August 18, 2023

VIA PERSONAL DELIVERY

John McIntyre, Board Chair
McLean County
c/o Office of the McLean County Clerk
115 E Washington Street, Bloomington, Illinois, 61701

Dear County Clerk, Board Chair John McIntyre and the County Board:

Lakeshore Recycling Systems, LLC, with this letter of transfer, files an Application for Site Location for the Henson Recycling Campus Transfer Station (Application) located at 2020 Bunn Street in unincorporated McLean County. The Application is a request for local siting approval of a new regional pollution control facility (Facility). The type of Facility being proposed for approval is a transfer station (as defined in Section 3.500 of the Environmental Protection Act).

The applicant is:
Lakeshore Recycling Systems, LLC (LRS)
5500 Pearl Street
Rosemont, Illinois 60018
847-779-7500

FILED
McLEAN COUNTY, ILLINOIS
AUG 18 2023
Kathy Michael
COUNTY CLERK

LRS is a limited liability corporation. The officers of LRS are:

Matt Spencer - Chief Executive Officer
Luke Chenery- Chief Financial Officer
John Larsen - Chief Operating Officer
Corey Grauer - Chief Legal Counsel

The sole manager and member of LRS is LRS Holdings, LLC whose address is also 5500 Pearl Street, Rosemont, Illinois 60018. The current major investor of LRS and LRS Holdings, LLC is the Macquarie Infrastructure Partners. John Larsen is the person designated by LRS to be its agent for service of notices, and he has the same address and phone number as listed above for LRS.

The Application is being filed in accordance with Section 39.2 of the Illinois Environmental Protection Act, which establishes procedures for pollution control facility siting, and Chapter 289 of the McLean County Code (Code), which provides procedures for pollution control facility siting within McLean County's jurisdiction. In accordance with the Code, thirty-five hard copies of the Application are being submitted. As discussed with Mr. Michael Brown, Director of the Ecology Action Center, ten sets of full size drawings and one electronic copy are also being submitted.

With this Application, we also enclose a cashier's check payable to the McLean County in the amount of $125,000 in payment of the required filing fee for this Application in accordance with Section 205-38 of the Code. We look forward to working with McLean County as we proceed to hearing and decision in this matter.

Very truly yours,

LAKESHORE RECYCLING SYSTEMS, LLC

John Larsen
Chief Operating Officer

FILED
McLEAN COUNTY, ILLINOIS
AUG 18 2023
Kathy Michael
COUNTY CLERK

TABLE OF CONTENTS

EXECUTIVE SUMMARY

Criterion 1. THE FACILITY IS NECESSARY TO ACCOMMODATE THE WASTE NEEDS OF THE AREA IT IS INTENDED TO SERVE

1.0 INTRODUCTION....1-1
1.1 HENSON RECYCLING CAMPUS TRANSFER STATION....1-2
1.2 HRC TRANSFER STATION SERVICE AREA....1-4
1.3 HRC TRANSFER STATION SERVICE AREA WASTE GENERATION AND DISPOSAL VOLUMES....1-5
1.3.1 PER CAPITA WASTE GENERATION RATE....1-5
1.3.2 POPULATION PROJECTIONS....1-7
1.3.3 RECYCLING RATE....1-8
1.3.4 WASTE DISPOSAL VOLUME....1-8
1.4 WASTE DISPOSAL SYSTEM....1-9
1.4.1 TRANSFER STATION IN SERVICE AREA....1-9
1.4.2 TRANSFER STATIONS AND LANDFILLS PROXIMATE TO THE SERVICE AREA....1-10
1.4.3 WASTE COLLECTION COMPANIES IN SERVICE AREA....1-12
1.4.4 OBSERVATIONS REGARDING COMPANIES AND FACILITIES IN OR PROXIMATE TO THE SERVICE AREA....1-15
1.5 TRENDS IN THE WASTE DISPOSAL SYSTEM....1-18
1.5.1 DECREASING NUMBER OF AVAILABLE LANDFILLS....1-18
1.5.2 ONGOING WASTE INDUSTRY CONSOLIDATION....1-18
1.5.3 IMPORTANCE OF VERTICAL INTEGRATION....1-20
1.5.4 RECYCLING CHALLENGES....1-21
1.6 HRC TRANSFER STATION BENEFITS....1-23
1.6.1 INCREASE COMPETITION AND TRANSFER CAPACITY IN THE SERVICE AREA....1-23
1.6.2 FACILITATE RECYCLING IN THE SERVICE AREA....1-28
1.6.3 PROVIDE DIRECT BENEFITS TO MCLEAN COUNTY....1-29
1.6.4 PROVIDE DIRECT BENEFITS TO THE CITY OF BLOOMINGTON....1-29
1.7 SUMMARY AND CONCLUSION....1-30
1.8 CERTIFICATION....1-31

FIGURES

FIGURE 1-1: SITE LOCATION MAP
FIGURE 1-2: HENSON RECYCLING CAMPUS SITE LAYOUT
FIGURE 1-3: TRANSFER STATION SERVICE AREA
FIGURE 1-4: SURROUNDING LANDFILL AND TRANSFER STATION LOCATIONS

ATTACHMENTS

ATTACHEMENT 1-A: TRUCK COUNT AND IDENTIFICATION
ATTACHEMENT 1-B: LETTERS OF SUPPORT

ATTACHEMENT 1-C: HENSON DISPOSAL HOST AGREEMENT MCLEAN COUNTY
ATTACHEMENT 1-D: HENSON DISPOSAL UTILITY AGREEMENT WITH BLOOMINGTON

Criterion 2. THE PROPOSED FACILITY IS SO DESIGNED, LOCATED AND PROPOSED TO BE OPERATED THAT THE PUBLIC HEALTH, SAFETY AND WELFARE ARE PROTECTED

2.1 INTRODUCTION....2-1
2.2 SITE LEGAL AND GENERAL DESCRIPTION....2-1
2.2.1 ASSESSMENT PLAT....2-2
2.2.2 AERIAL PHOTOGRAPHS OF THE SITE....2-2
2.2.3 IDENTIFICATION OF PROPERTY OWNERS....2-2
2.3 EXISTING CONDITIONS OF SITE AND ADJACENT PROPERTIES....2-2
2.3.1 HISTORICAL PROPERTY USES....2-2
2.3.2 HENSON RECYCLING CAMPUS....2-2
2.4 LOCATION STANDARDS....2-3
2.4.1 RESIDENTIAL PROPERTIES....2-3
2.4.2 FLOODPLAIN LIMITS....2-3
2.4.3 ARCHAEOLOGICAL STUDY....2-3
2.4.4 AIRPORT STUDY....2-4
2.4.5 ENDANGERED SPECIES STUDY....2-4
2.4.6 WILD AND SCENIC RIVERS....2-4
2.4.7 IDENTIFICATION OF WETLANDS ON PROPERTY....2-5
2.5 SITE DESIGN....2-5
2.5.1 ENTRANCE....2-5
2.5.2 ACCESS ROADS AND INTERIOR TRAFFIC CIRCULATION....2-5
2.5.3 SECURITY MEASURES....2-6
2.5.4 WEIGHT STATION LOCATION AND DESIGN....2-6
2.5.5 PARKING ON-SITE....2-6
2.5.6 VEHICLE STACKING....2-7
2.5.7 SITE UTILITIES....2-7
2.5.8 OFFICE STRUCTURES....2-7
2.5.9 TRANSFER STATION FACILITY STRUCTURES....2-7
2.5.10 WATER SUPPLY AND REQUIREMENTS....2-8
2.5.11 STORMWATER MANAGEMENT MEASURES....2-8
2.6 OPERATIONS....2-9
2.6.1 HOURS OF OPERATIONS....2-9
2.6.2 QUANTITY OF WASTE ACCEPTED....2-9
2.6.3 ANTICIPATED QUANTITIES OF WASTE BY WASTE TYPE....2-9
2.6.4 IDENTIFICATION OF ACCEPTABLE WASTE TYPES....2-10
2.6.5 NOTICE TO GENERATORS AND TRANSPORTERS....2-10
2.6.6 WASTE TRANSFER OPERATIONAL PLAN....2-11
2.6.7 OVERNIGHT STORAGE OF WASTE ONSITE....2-14
2.6.8 IDENTIFICATION OF DISPOSAL SITES....2-14
2.6.9 IDENTIFICATION OF PROPOSED RAILROAD ACTIVITIES....2-14
2.6.10 EQUIPMENT REQUIREMENTS....2-14
2.6.11 FACILITY CLEANING PROCEDURES....2-15
2.6.12 LOAD CHECKING PROGRAM....2-15
2.6.13 TRAFFIC PATTERN (ON SITE)....2-17
2.6.14 FACILITY FOR EMPLOYEES....2-18

2.6.15 FUELING PROCEDURES 2-18
2.6.16 LITTER CONTROL 2-19
2.6.17 VECTOR CONTROL PROCEDURES 2-20
2.6.18 WILDLIFE HAZARD MITIGATION 2-20
2.6.19 INDOOR AIR QUALITY 2-21
2.6.20 OUTDOOR AIR QUALITY 2-21
2.6.21 ODOR CONTROL PROCEDURES 2-22
2.6.22 NOISE CONTROL PROCEDURES 2-23
2.6.23 TRAINING PERSONNEL 2-23
2.6.24 FIRE CONTROL PROTECTION 2-24
2.6.25 LOCKOUT/TAGOUT PROCEDURES 2-24
2.6.26 INSURANCE COVERAGE 2-24
2.6.27 RECORD KEEPING PROCEDURES 2-25
2.6.28 OPERATIONAL CONTINGENCY PLANS 2-27
2.6.29 PROPOSED LIFE OF FACILITY 2-29
2.6.30 FINAL CLOSURE 2-29
2.7 OPERATOR INFORMATION AND EXPERIENCE 2-30
2.8 CERTIFICATION 2-32

SHEETS

SHEET 1: COVER SHEET
SHEET 2: FACILITY LOCATION MAP
SHEET 3: DISTANCE TO NEAREST RESIDENTIAL ZONED PROPERTY
SHEET 4: DISTANCE TO NEAREST AIRPORT
SHEET 5: ASSESSMENT PLAT
SHEET 6: CONCEPTUAL FACILITY LAYOUT
SHEET 7: GRADING AND DRAINAGE PLAN
SHEET 8: COLLECTION VEHICLE TRAFFIC FLOW PATTERN
SHEET 9: TRANSFER TRUCK TRAFFIC FLOW PATTERN
SHEET 10: COLLECTION VEHICLE AND TRANSFER TRUCK TRAFFIC FLOW PATTERN
SHEET 11: BUNN STREET ONTO HDI COURT TRANSFER TRUCK TURNS
SHEET 12: HDI COURT ONTO BUNN STREET TRANSFER TRUCK TURNS
SHEET 13: BUILDING FLOOR PLAN AND DETAILS
SHEET 14: PROPOSED BUILDING ELEVATIONS
SHEET 15: CABLING PLAN

APPENDICES

APPENDIX 2-A: HOST COMMUNITY AGREEMENT
APPENDIX 2-B: WATER AND SEWER AGREEMENT
APPENDIX 2-C: PRELIMINARY PLAN FOR HDI SUBDIVISION APPROVAL AND ASSESSMENT PLAT
APPENDIX 2-D: SITE LEGAL
APPENDIX 2-E: LEASE AGREEMENT
APPENDIX 2-F: ARCHAEOLOGICAL STUDY
APPENDIX 2-G: ENDANGERED SPECIES STUDY
APPENDIX 2-H: WILD AND SCENIC RIVERS
APPENDIX 2-I: WETLANDS REPORT
APPENDIX 2-J: THROUGHPUT ANALYSIS

APPENDIX 2-K: LOAD INSPECTION RECORD FORM
APPENDIX 2-L: STORMWATER DRAINAGE COMPUTATIONS
APPENDIX 2-M: LRS TARPING POLICY
APPENDIX 2-N: CIRA CORRESPONDENCE
APPENDIX 2-O: OPERATING RECORD

Criterion 3. LAND USE COMPATIBILITY AND REAL ESTATE IMPACT STUDY
3.1 INTRODUCTION....3-1
3.2 EXISTING CONDITIONS AND PROPOSED DEVELOPMENT....3-3
3.3 HISTORIC AERIAL PHOTOS....3-18
3.4 DEVELOPMENT IN THE STUDY AREA....3-32
3.5 PHOTOGRAPHS – SUBJECT LOCATION AND SURROUNDING USES....3-37
3.6 HIGHEST AND BEST USE....3-41
3.7 ANALYSIS OF COMPETITIVE SITES AND ADJACENT PROPERTIES....3-48
3.8 CONCLUSIONS....3-53
3.9 CERTIFICATION....3-55
3.10 UNDERLYING ASSUMPTIONS AND LIMITING CONDITIONS....3-56
3.11 STATEMENT OF PROFESSIONAL QUALIFICATIONS....3-61
3.12 PARTIAL LIST OF CLIENTS....3-66

ADDENDA

PROPERTY VALUE IMPACT STUDY OF PROPERTY LOCATED AT 2020 BUNN STREET, BLOOMINGTON, ILLINOIS 61704 (PSA FILE NO. 20-0006)

Criterion 4. THE FACILITY IS LOCATED OUTSIDE THE BOUNDARY OF THE 100-YEAR FLOODPLAIN OR THE SITE IS FLOODPROOFED
4.1 INTRODUCTION....4-1
4.2 LOCATION OF 100-YEAR FLOODPLAIN....4-1
4.3 CONCLUSION....4-1
4.4 CERTIFICATION....4-2

APPENDIX

APPENDIX 4-A: FLOOD INSURANCE RATE MAP AND REPORT

Criterion 5. PLAN OF OPERATIONS
5.1 INTRODUCTION....5-1
5.2 FIRE PREVENTION AND CONTROL MEASURES....5-1
5.3 SPILL PREVENTION MEASURES....5-2
5.4 ACCIDENT PREVENTION/RISK MANAGEMENT....5-2
5.5 OPERATIONAL CONTINGENCY PLAN....5-3
5.6 CONCLUSION....5-4
5.7 CERTIFICATION....5-5

APPENDIX

APPENDIX 5-A: ACCIDENT, FIRE PREVENTION AND CONTINGENCY PLAN

Criterion 6. TRAFFIC IMPACT STUDY HENSON RECYCLING CAMPUS TRANSFER STATION

6.1 INTRODUCTION 6-1
6.2 EXISTING CONDITIONS 6-5
SITE LOCATION 6-5
EXISTING ROADWAY SYSTEM CHARACTERISTICS 6-5
ROADWAY IMPROVEMENTS 6-8
EXISTING TRAFFIC VOLUMES 6-8
CRASH ANALYSIS 6-10
6.3 TRAFFIC CHARACTERISTICS OF THE MSW TRANSFER STATION 6-11
EXISTING HRC SITE 6-11
PROPOSED MSW TRANSFER STATION 6-11
PROPOSED MODIFICATIONS TO HRC CIRCULATION SYSTEM 6-12
DIRECTIONAL DISTRIBUTION 6-12
TRIP GENERATION ESTIMATES 6-14
6.4 PROJECTED TRAFFIC CONDITIONS 6-15
MSW TRANSFER STATION TRAFFIC ASSIGNMENT 6-15
YEAR 2041 BACKGROUND (NO-BUILD) TRAFFIC 6-15
TOTAL PROJECTED TRAFFIC VOLUMES 6-15
6.5 TRAFFIC ANALYSIS AND RECOMMENDATIONS 6-19
TRAFFIC ANALYSES 6-19
DISCUSSION AND RECOMMENDATIONS 6-24
6.6 CONCLUSION 6-27

APPENDICES

TRAFFIC COUNT SUMMARY SHEETS
HRC SITE PLAN
BUNN STREET AND NEW PUBLIC ROAD INTERSECTION
HAMILTON ROAD/BUNN STREET IDS – PREPARED BY CONSULTANT FOR THE CITY OF BLOOMINGTON
LEVEL OF SERVICE CRITERIA
CAPACITY ANALYSIS SUMMARY SHEETS
LEFT-TURN LANE AND RIGHT-TURN LANE EVALUATION

7. IF THE FACILITY WILL BE TREATING, STORING OR DISPOSING OF HAZARDOUS WASTE, AN EMERGENCY RESPONSE PLAN EXISTS FOR THE FACILITY WHICH INCLUDES NOTIFICATION, CONTAINMENT AND EVACUATION PROCEDURES TO BE USED IN CASE OF ACCIDENTAL RELEASE

7.1 INTRODUCTION 7-1
7.2 EXCLUSION OF HAZARDOUS WASTE 7-1
7.3 CONCLUSION 7-1
7.4 CERTIFICATION 7-2

8. IF THE FACILITY IS TO BE LOCATED IN A COUNTY WHERE THE COUNTY BOARD HAS ADOPTED A SOLID WASTE MANAGEMENT PLAN CONSISTENT WITH THE PLANNING REQUIREMENTS OF THE LOCAL SOLID WASTE DISPOSAL ACT OR THE SOLID WASTE PLANNING AND RECYCING ACT, THE FACILITY IS CONSISTENT WITH THE PLAN

8.0 INTRODUCTION 8-1
8.1 HENSON RECYCLING CAMPUS TRANSFER STATION 8-2
8.2 COUNTY SOLID WASTE PLANNING REQUIREMENTS 8-4
8.3 MCLEAN COUNTY SOLID WASTE MANAGEMENT PLAN 8-6
8.3.1 2017 TWENTY-YEAR PLAN 8-6
8.4 SUMMARY 8-9
8.5 CONCLUSION 8-11

APPENDICES

APPENDIX A: 2017 TWENTY-YEAR MATERIALS RECOVERY AND RESOURCE MANAGEMENT PLAN FOR MCLEAN COUNTY, BLOOMINGTON, AND NORMAL, ILLINOIS
APPENDIX B: 2004 ADS MCLEAN COUNTY HOST AGREEMENT
APPENDIX C: 2017 CAPACITY REPORT, MCLEAN COUNTY LANDFILL
APPENDIX D: 2014 WASTE DISPOSAL AGREEMENT BETWEEN REPUBLIC SERVICES, THE CITY OF BLOOMINGTON, AND THE TOWN OF NORMAL
APPENDIX E: 2016 WASTE PROGRAM REPORT – ECOLOGY ACTION CENTER
APPENDIX F: 2016 MCLEAN COUNTY WASTE GENERATION AND RECYCLING RATE
APPENDIX G: PLAN REVIEW PROCESS
APPENDIX H: PUBLIC HEARING NOTICE
APPENDIX I: PUBLIC HEARING TESTIMONIES
APPENDIX J: SUBMITTED PUBLIC COMMENTS

9. IF THE FACILITY WILL BE LOCATED WITHIN A REGULATED RECHARGE AREA, ANY APPLICABLE REQUIREMENTS SPECIFIED BY THE (ILLINOIS POLLUTION CONTROL) BOARD FOR SUCH AREAS HAVE BEEN MET

9.1 INTRODUCTION 9-1
9.2 LOCATION OF REGULATED RECHARGE 9-1
9.3 CONCLUSION 9-1
9.4 CERTIFICATION 9-2

APPENDIX

APPENDIX 9-A: LOCATION OF REGULATED RECHARGE AREA AND PROPOSED FACILITY

SUPPLEMENTAL INFORMATION

MAILING AFFIDAVIT, NOTICE AND MAILING LIST
REGISTERED MAIL SENDER RECEIPTS
THE PANTAGRAPH PROOF OF PUBLICATION
MCLEAN COUNTY, IL, POLLUTION CONTROL FACILITIES CODE

EXECUTIVE SUMMARY

This Application for Local Siting Approval (Application) for the Lakeshore Recycling Systems, LLC (LRS) Henson Recycling Campus (HRC) Transfer Station has been filed in accordance with the provisions of Section 39.2 of the Illinois Environmental Protection Act (Act). The information presented in this Application will be the subject of testimony at public hearing before the McLean County Board.

The Applicant

LRS is the applicant and the entity who would be performing day-to-day operations of the HRC Transfer Station.

For over twenty years, LRS has provided recycling and 100% waste diversion programs, affordable roll-off container service, on-site storage, portable restrooms, street sweepers, and comprehensive waste removal to businesses and homeowners. The following is additional information regarding LRS:

- LRS is the leading independent provider of recycling, diversion and non-hazardous, solid waste management services, as well as temporary services (sweeping and portable restrooms) across the Chicagoland area.

- LRS differentiates itself through aggressive and innovative diversion and recycling programs, technology advances, exceptional customer service and strong awareness for the environment with the goal of diverting as much waste as possible.

- LRS operates approximately twenty-two strategically located MSW transfer stations and/or C&D recycling and transfer facilities in Illinois, Indiana, Wisconsin, Michigan and Wisconsin.

- LRS operates a non-hazardous solid waste landfill in Atkinson, Illinois.

- LRS operates single-stream sorting facilities with state-of-the-art technology in Forest View and Chicago.

Henson Recycling Campus Transfer Station

The proposed HRC Transfer Station shall be a state-of-the-practice facility where loads of municipal solid waste (MSW) from collection vehicles will be consolidated into larger loads for transport to a permitted landfill. In addition to MSW, the transfer station is designed to accept single-stream recyclables (SSR) from collection vehicles for consolidation into larger loads for transport to a material recovery facility.

The HRC Transfer Station is designed to accommodate a daily throughput of 400 tons per day to account for seasonal fluctuations. If siting and permitting are achieved, the HRC Transfer Station is expected to be operational in 2025 and have an operational life of a minimum of twenty years. Only wastes allowed by the Illinois Environmental Protection Agency (IEPA) will be accepted. No disposal of waste will occur at the site.

The proposed approximately 3.09-acre HRC Transfer Station will be located within and complement the existing operations at the approximately 42-acre HRC. The HRC includes:

- The area's only general construction or demolition debris (C&D) recycling facility;
- A woody waste mulching and recycling operation;
- A concrete recycling operation; and
- A concrete batch plant operated by Roanoke Concrete Products.

The HRC reduces the amount of C&D and other materials sent to landfills and helps McLean County meet its recycling goals.

Regulatory Approval for Illinois MSW Transfer Stations: A Two-Step Process

The Act provides a two-step approval process for the development of MSW transfer stations in Illinois. This Application initiates the first step, local siting approval, which is discussed in more detail below.

The second step is the regulatory approval process of permitting with the Illinois EPA. The Illinois EPA will only issue a permit to develop and operate the transfer station if all provisions of the Act and all regulatory requirements are satisfied. Once a permit application is filed with the Illinois EPA, a technical review occurs by qualified engineers to ensure protection of the environment and compliance with the regulatory requirements discussed above.

The Local Siting Process

In promulgating the provisions of Section 39.2 of the Act, commonly known as the "Senate Bill 172" process (after the Senate Bill which created it), the legislature declared it appropriate that pollution control facility siting, including MSW transfer stations, be controlled locally, but on the basis of application of this state law; thus, the Act's siting process replaces zoning authority of local government with a specifically prescribed state process. In that process, the local siting authority, here the County Board, is required to hold a fair public hearing designed to determine whether the HRC Transfer Station meets the nine criteria set forth in Section 39.2 of the Act.

The Application

This Application presents the information necessary for the Board to evaluate the nine statutory criteria, as those criteria relate to the HRC Transfer Station. At hearing, the applicants will present

this information through testimony of environmental experts and other professionals who will be prepared to answer questions posed by the County Board or the public. The applicants have presented the information contained in this Application in a way that is responsive to the McLean County Illinois Pollution Control Facilities Code, which establishes procedures for pollution control facility siting, and the Act.

The Application addresses all criteria required for local consideration under the Act. A criteria- by-criteria synopsis follows. (As the HRC Transfer Station is not a hazardous waste facility, Criterion 7 is not applicable.)

Criterion 1: HRC Transfer Station is necessary to accommodate the waste needs of the area it is intended to serve.

The Act requires that the Board evaluate whether HRC Transfer Station is necessary to accommodate the waste needs of the Service Area, as defined by the applicants. The applicants have identified a Service Area which includes McLean County.

Information is provided by Civil & Environmental Consultants, Inc. (CEC) that demonstrates:

- The HRC Transfer Station will increase competition and available transfer capacity in the service area, which has been clearly recognized to help control price increases and maintain a high quality of service in both the residential and commercial sectors.

- The HRC Transfer Station will facilitate recycling in the service area.

- HRC Transfer Station will provide direct economic benefits to McLean County and the City of Bloomington.

For the reasons cited above, HRC Transfer Station meets the requirements of Criterion 1 as it is "necessary to accommodate the waste needs of the area it is intended to serve."

Criterion 2: HRC Transfer Station will be so designed, located and proposed to be operated that the public health, safety and welfare will be protected.

The Act requires that the County Board evaluate whether HRC Transfer Station is designed, located and proposed to be operated so that the public health, safety and welfare will be protected. The design of the HRC Transfer Station incorporates an approximately 12,000 square foot metal building with a concrete floor in which all waste handling operations will occur. Information is provided which demonstrates the HRC Transfer Station meets all required location standards, and is designed and will be operated to meet all Illinois EPA requirements.

Criterion 3: HRC Transfer Station is located so as to minimize incompatibility with the character of the surrounding area and to minimize the effect on the value of the surrounding property.

The Act requires that the Board evaluate whether HRC Transfer Station will be located so as to minimize incompatibility with the character of the surrounding area and so as to minimize the effect on the value of surrounding properties. To demonstrate compliance with this criterion, Associated Property Counselors, LTD. (APC) completed a study of the proposed HRC Transfer Station. APC is an experienced firm qualified to evaluate these land use and property-related issues.

APC determined that the HRC Transfer Station is located in an area of historic and current recycling and industrial uses, and is well buffered from surrounding areas through manmade boundaries. These manmade boundaries effectively minimize any influences the HRC Transfer Station have on properties located outside of the area. These factors clearly demonstrate that the HRC Transfer Station minimizes incompatibility with the character of the surrounding area.

APC also determined that the HRC Transfer Station is the highest and best use of the subject property, as improved. APC concludes that, because the proposed use is very consistent with the current and planned uses in the subject area and meets the criteria for highest and best use, the impact the HRC Transfer Station will have on adjacent and nearby property values is minimized.

Criterion 4: HRC Transfer Station is located outside the boundary of the 100-year floodplain or is flood-proofed.

The Act requires that MSW transfer stations, like HRC Transfer Station, be located outside the boundary of the 100-year floodplain or be flood-proofed. The 100-year floodplain can be determined from the Federal Emergency Management Agency Flood Insurance Rate Map. HRC Transfer Station is not located within the 100-year floodplain.

Criterion 5: The plan of operation for HRC Transfer Station is designed to minimize the danger to the surrounding area from fire, spills or other operational accidents.

The Act requires that the Board evaluate whether HRC Transfer Station will operate pursuant to an operational plan which is designed to minimize the dangers related to potential fires, spills or other operational accidents. HRC Transfer Station will operate pursuant to an Accident, Fire Prevention and Contingency Plan that covers all of those elements and more.

Criterion 6: The traffic patterns to or from HRC Transfer Station are designed to minimize the impact on existing traffic flows.

The Act requires that the Board evaluate whether traffic patterns to and from HRC Transfer Station have been designed so as to minimize any impact on existing traffic flows. To demonstrate compliance with this criterion, Kenig, Lindgren, O'Hara, Aboona, Inc. (KLOA) determined the

traffic generated by the proposed transfer station is distributed throughout the day and the peak traffic periods do not coincide with the critical morning and evening commuter peak hours. KLOA also determined that the surrounding roadways and intersections have more than adequate capacity to accommodate the traffic generated by the HRC Transfer Station. Hence, traffic patterns to and from the HRC Transfer Station have been designed to minimize any impact on existing traffic flow.

Criterion 7: HRC Transfer Station will not be treating, storing or disposing of hazardous waste.

The Act requires an emergency response plan for facilities that treat, store or dispose of hazardous waste. HRC Transfer Station will not be treating, storing or disposing of hazardous waste.

Criterion 8: HRC Transfer Station is consistent with the McLean County Solid Waste Management Plan.

The Act requires that, where a county solid waste plan (a County Plan) is in effect in a county (as it is in McLean County), any proposed MSW transfer station must be consistent with the County Plan. To demonstrate compliance with this criterion, a report is provided by CEC that summarizes the relevant information in the most recent McLean County Solid Waste Management Plan and concludes that HRC Transfer Station is consistent with the County Plan.

Criterion 9: If HRC Transfer Station will be located within a regulated recharge area, any applicable Illinois Pollution Control Board requirements will be followed.

HRC Transfer Station is not located within a regulated recharge area, as defined by the Act.

Closing

LRS is confident that this Application, and the testimony provided at the siting hearing, will demonstrate to the McLean County Board that the HRC Transfer Station meets the statutory criteria and that siting approval should be granted.

CRITERION 1:
THE FACILITY IS NECESSARY TO ACCOMMODATE THE WASTE NEEDS OF THE SERVICE AREA

The Illinois Environmental Protection Act, at 415 ILCS 5/39.2 (a)(i), requires that an applicant for a transfer station siting demonstrate that the proposed facility is necessary to accommodate the waste needs of the area it is intended to serve. This report demonstrates that the proposed Henson Recycling Campus Transfer Station is necessary to accommodate the waste needs of the area it is intended to serve.

Prepared for:

LAKESHORE RECYCLING SYSTEMS, LLC
HENSON RECYCLING CAMPUS TRANSFER STATION
BLOOMINGTON, ILLINOIS
MCLEAN COUNTY

Prepared by:

CIVIL & ENVIRONMENTAL CONSULTANTS, INC.
NAPERVILLE, ILLINOIS

CEC Project 318-216

AUGUST 2023

Civil & Environmental Consultants, Inc.
1230 East Diehl Road, Suite 200 | Naperville, IL 60563 | p: 630-963-6026 f: 630-963-6027 | www.cecinc.com

1.0 INTRODUCTION

The Illinois Environmental Protection Act requires that a pollution control facility (in this case a transfer station) be necessary to accommodate the waste needs of the area it is intended to serve. This report defines the area that the proposed Lakeshore Recycling Systems, LLC (LRS) Henson Recycling Campus Transfer Station (HRC Transfer Station) is intended to serve and demonstrates that the proposed HRC Transfer Station is necessary to accommodate the waste needs of its service area.

1.1 HENSON RECYCLING CAMPUS TRANSFER STATION

LRS is applying to the McLean County Board for local siting approval of a municipal solid waste (MSW) transfer station, which is located in an unincorporated area of McLean County, Illinois in close proximity to the City of Bloomington. The proposed facility, the HRC Transfer Station, shall be located east of Interstate I-55, southwest of the Norfolk Southern Railroad, north of Rhodes Street, and east of Bunn Street, near the south-central part of the City of Bloomington. Access into the property shall occur from Bunn Street along the proposed HDI Court. The facility location is shown in Figure 1-1.

LRS owns Henson Disposal, LLC (Henson Disposal), which is the developer of the approximately 42-acre recycling campus (Henson Recycling Campus or HRC). As shown on Figure 1-2, the HRC includes a scale, scale house, offices, various access roads, and the following:

- The area's only general construction or demolition debris (C&D) recycling facility - The C&D recycling facility includes a sorting system that separates recyclable materials from non-recyclable materials. The following materials are able to be recycled or beneficially re-used: metal, cardboard, wood, concrete, aggregates and soils.
- A woody waste mulching and recycling operation - Woody waste, such as branches and stumps, are ground into wood chips and then ground again into a saleable mulch. The mulch may also be colored based on customer demand. The mulch is primarily used for landscaping by local residents and businesses, but, depending on demand, may be sold to customers in the Chicagoland area.
- A concrete recycling operation - Source separated concrete is crushed and recycled into saleable products for various roadway, construction, and related uses. The operation produces multiple gradations of products based on customer demands.
- A concrete batch plant operated by Roanoke Concrete Products (Roanoke) - Roanoke produces and provides ready-mix concrete to local residents and businesses. Unused ready-mix concrete is returned the facility and recycled by incorporating back into the batch process or by creating a saleable aggregate material.

The HRC reduces the amount of C&D and other materials sent to landfills and helps McLean County meet its recycling goals.

The proposed HRC Transfer Station shall be a state-of-the-practice facility where loads of MSW from collection vehicles will be consolidated into larger loads for transport to a permitted landfill. In addition to MSW, the transfer station is designed to accept single-stream recyclables (SSR) from collection vehicles for consolidation into larger loads for transport to a material recovery facility. The proposed HRC Transfer Station will complement the existing operations at the HRC.

The proposed transfer facility will assist cities and towns in McLean County, by providing efficient transport services to disposal locations outside the county. The communities in McLean County currently rely on the transfer of MSW to out-of-county landfills. The proposed facility will benefit the community by:

- Increasing competition, which is anticipated to reduce the cost of waste disposal and improved services;
- Increasing recycling; and
- Providing a host fee to be paid for every ton of refuse that is transferred at the facility to both McLean County and the City of Bloomington, which can be used to help fund McLean County's Ecology Action Center (EAC) activities.

The HRC Transfer Station is designed to accommodate a daily throughput of 400 tons per day to account for seasonal fluctuations. The facility will transfer waste and recyclable materials collected by LRS, as well as from third-party haulers.

1.2 HRC TRANSFER STATION SERVICE AREA

The intended service area for the HRC Transfer Station (Service Area) is shown in Figure 1-3 and consists of all of McLean County. The Service Area represents the locations where most of LRS's collection services are provided. The Service Area also represents the area where LRS anticipates being able to provide more cost-effective service for existing and new customers.

1.3 HRC TRANSFER STATION SERVICE AREA WASTE GENERATION AND DISPOSAL VOLUMES

The Illinois Solid Waste Planning and Recycling Act was approved on August 23, 1988 and required that each county in the state adopt a twenty-year plan for managing MSW generated within its boundaries [415 ILCS 15/1 et seq.]. Each county waste management plan is required to be updated and reviewed every five years. The EAC, as the designated solid waste agency for McLean County, the City of Bloomington (Bloomington), and the Town of Normal (Normal), coordinated the process to create a new solid waste plan and is responsible for its implementation. The new plan dated December 27, 2017 was approved separately by Normal, Bloomington, and McLean County in early 2018 and is entitled "Twenty-Year Materials Recovery and Resource Management Plan for McLean County, Bloomington, and Normal, Illinois" (2017 Twenty-Year Plan).

The 2017 Twenty-Year Plan and related information from the EAC provides information and insights regarding waste generation and disposal trends in the Service Area. The methodology employed to evaluate waste generation and disposal trends in the Service Area are based on information from the 2017 Twenty-Year Plan, information from independent studies, and population data.

1.3.1 PER CAPITA WASTE GENERATION RATE

The amount of waste generated and recycled from the service area was calculated using information from two sources. The first is a study completed specifically for Illinois by the Illinois Department of Commerce and Economic Opportunity (DCEO). The report lists waste generation in pounds per person per day, which allows projections of waste amounts when the population of a community and/or county is known.

The second source of waste generation and recycling data was prepared by the EAC. The EAC annually collects waste and recycling data to calculate the amount of MSW generated and recycled for all of McLean County as a lagging indicator of the impact of local recycling and outreach programs. Among other services, the EAC acts as the solid waste agency for Bloomington, Normal, and McLean County and provides technical assistance, recycling promotion, household hazardous waste coordination, education, and outreach.

Illinois Department of Commerce and Economic Opportunity Study

The DCEO commissioned a waste characterization study to be performed across Illinois. One of the purposes of the study was to develop the quantity of MSW generated within the state by pounds per capita per day, differentiating urban and rural values. Intensive waste sampling was performed at nineteen solid waste facilities located throughout Illinois, consisting of seventeen landfills and

two transfer stations. The results of the study are contained in a report entitled "Illinois Commodity/Waste Generation Study" dated 2009 (Illinois DCEO Report). The Illinois DCEO Report estimated that McLean County generates 8.09 pounds per capita per day of MSW.

The generation estimates were calculated by applying factors based on Illinois-specific economic indicators to the 2007 national per capita generation rates derived in the United States Environmental Protection Agency report entitled "Municipal Solid Waste in the United States: 2007 Facts and Figures". The study was limited to the Illinois statutory definition of MSW defined as "garbage, general household, institutional and commercial waste, landscape waste and construction or demolition debris". The MSW generation rate was defined as "the quantity of products considered municipal waste entering the waste management system from residential, commercial, industrial, institutional and construction and demolition debris sources before material recovery or disposal takes place".

The DCEO commissioned the Illinois Recycling Association to develop an update to the Illinois DCEO Report. The results are contained in "Illinois Commodity/Waste Generation and Characterization Study Update" dated March 30, 2015 (Illinois DCEO Update). The tasks and objectives of the Illinois DCEO Update included developing the composition and quantification of the MSW originating and disposed within the state, and developing the quantity of MSW generated within the state. Overall, twenty-eight sampling events were conducted at twenty-seven solid waste facilities located throughout Illinois, consisting of fifteen landfills and twelve transfer stations, over thirty-one days between September 10, 2014 and December 2, 2014. The Illinois DCEO Update estimated that the McLean County generated 7.84 pounds per capita per day of MSW [Appendix C of Illinois DCEO Update].

McClean County Ecology Action Center Report

As indicated above, the EAC annually collects waste and recycling data to calculate the amount of MSW generated and recycled for all of McLean County. The data from individual respondents is kept confidential and aggregated for release to the public. The results for 2018 through 2022 are shown in Table 1-1.

Table 1-1: EAC - MSW Generation and Recycling Amounts

	2018	2019	2020	2021	2022
Total MSW Recycled (tons)	94,804	88,330	76,487	82,182	97,643
Total MSW Landfilled (tons)	109,467	104,772	104,919	105,442	112,264
Total MSW Generated (tons)	207,271	193,102	181,406	187,624	209,907
Recycling Rate	**46.4%**	**45.7%**	**42.2%**	**43.8%**	**46.5%**

The EAC's evaluation of the most recent data included the following:

- The waste generated in McLean County grew in 2022.
- McLean County's recycle rate continues to steadily increase and was 46.5% in 2022. The county is making progress towards its recycling rate goal of 50% set in the 2017 Twenty-Year Plan.
- Contributors to the county's recycling rate include successful recycling and waste diversion goals by large corporations and residential recycling accessibility. Some materials seeing significant increases can be attributed to growth of certain newer businesses in the area.
- The amount of SSR collected in McLean County in 2022 rose by 14.7%.
- Some areas that saw a decrease in recycling were organics, such as brush collected by the town and city, and tube fluorescent light bulbs. The large ice storm of 2021 caused a huge fluctuation in the amount of brush recycled due to downed trees and limbs during that year so as a result, the number has significantly decreased in 2022. The recycling of fluorescent bulbs decreased 34% in 2022 compared to 2021. This is likely due to the increased conversion to light emitting diode (LED) bulbs or failing to recycle.

Rivian is believed to be one of the "newer businesses in the area" that are "contributors the county's recycling rate" referenced above. Rivian added over 2,000 jobs in 2022 as it ramps up production at its electric vehicle manufacturing facility in Normal, and is now the second largest employer in McLean County [https://www.wglt.org/local-news/2023-03-16/rivian-growth-boosts-bloomington-normal-jobs-numbers]. Rivian is a large customer of C&D recycling facility at the HRC. Specifically, clean wood is delivered to the C&D recycling facility from Rivian and recycled.

The most recent MSW generation for McLean County estimated by the EAC is 209,907 tons per year.

1.3.2 POPULATION PROJECTIONS

The population of the Service Area is approximately 193,351 residents as of 2022. The population of the Service Area includes 171,141 permanent residents within its municipal communities [https://www.illinois-demographics.com/mclean-county-demographics], 20,683 itinerant residents from Illinois State University [https://news.illinoisstate.edu/2022/09/illinois-state-welcomes-largest-freshman-class-in-35-years/] and 1,527 itinerant residents from Illinois Wesleyan University [https://www.iwu.edu/about/facts.html]. The combined populations of the Bloomington and Normal (not including the iterant residents) represent approximately 66% of the Service Area.

McLean County boasts a relatively high median household income of $70,339 compared to other counties in Central Illinois [https://www.illinois-demographics.com/mclean-county-demographics]. As discussed in the Illinois DCEO Update, higher income often correlates to greater waste generation.

1.3.3 RECYCLING RATE

McLean County has several established recycling programs that divert and recycle generated waste before it is disposed in a landfill. As discussed above, the percentage is typically reported annually by the EAC (see Table 1-1). The 2022 recycling percentage for McLean County estimated by the EAC is 46.5%.

The Illinois DCEO Update estimated that the overall Illinois diversion rate is 37.3% by weight, assuming the difference between the generation quantities (estimated to be 19.3 million tons), and disposal quantities (estimated to be 12.1 million tons) is the quantity of materials recovered (approximately 7.2 million tons).

1.3.4 WASTE DISPOSAL VOLUME

To estimate the waste disposal volume for the Service Area using the data from the DCEO Update, the per capita generation rate is multiplied by the population to obtain the generation amount [193,351 persons x 7.84 pounds/person-day x 1 ton/2,000 pounds x 365 days/year = 276,647 tons per year]. The estimated recycling amount is then subtracted [276,647 tons per year - (0.373 recycling x 276,647 tons/year) = 173,457 tons per year].

The data from the EAC suggests that approximately 209,907 tons of MSW is generated, approximately 46.5% is recycled, and approximately 112,264 tons required disposal in 2022 [209,907 tons per year - (0.465 recycling rate x 209,907 tons per year) = 112,264 tons per year].

MSW waste disposal amounts are summarized in Tables 1-2 using information from both the EAC and the Illinois DCEO study. The tables indicate that the average of the data which estimates 2022 volume of MSW requiring disposal in the Service Area is approximately 500 tons per day.

Table 1-2: Summary of Waste Disposal Volume

Data Source	Estimated Volume (tons per year)	Estimated Volume (tons per day)
EAC	112,264	393
DCEO Update	173,457	607
Average	142,860	500

1.4 WASTE DISPOSAL SYSTEM

The Service Area currently has no operational landfills and one operational MSW transfer station. The transfer station is operated by Republic Services, Inc. (Republic Services). Figure 1-4 shows the location of the existing MSW transfer station in the Service Area.

Transfer stations and landfills also exist proximate to the Service Area, which may receive MSW from the Service Area. Figure 1-4 shows the locations of the existing MSW transfer stations and landfills within an approximately 15-mile distance from the Service Area. In addition, the Service Area has numerous hauling companies, including LRS, which pick up and deliver waste to the transfer stations and/or landfills located within and proximate to the Service Area. The MSW transfer stations within the Service Area, the MSW transfer stations and landfills proximate to the Service Area, and hauling companies in the Service Area are discussed below.

1.4.1 TRANSFER STATION IN SERVICE AREA

Only one MSW transfer station is located in the Service Area. The Republic Services Bloomington Transfer Station is located on an approximately 7-acre property in Bloomington, McLean County (2112 West Washington Street). The Republic Services Bloomington Transfer Station began operation in 1978 and is owned/operated by American Disposal Services, Inc. (ADS), a subsidiary of Republic Services. The annual solid waste capacity reports indicate that the site accepts municipal waste, recyclables, and medical waste. A maximum acceptable amount is not listed. Waste receipt data for the facility is not available from the Illinois Environmental Protection Agency annual solid waste capacity reports. The Republic Services Bloomington Transfer Station does not have a host agreement with McLean County or Bloomington.

Bloomington and Normal have contracted with the Republic Services to dispose of MSW from their communities. Information from the bid documents [Bid #2021-20- Solid Waste Disposal Services] indicates that Bloomington and Normal deposit approximately 100 tons per day at the Republic Services Bloomington Transfer Station. LRS indicated that they typically deposit approximately 25 tons per day at the Republic Services Bloomington Transfer Station resulting from the non-recyclable portion of their C&D recycling activities.

Civil & Environmental Consultants, Inc. (CEC) performed observations and truck counts at the Republic Services Bloomington Transfer Station on an operating day during March 2023 to characterize the other haulers that utilize this facility and estimate the typical daily waste amounts. CEC observed the following number of vehicles from the various haulers using on March 30, 2023:

- Ten trucks from the City of Bloomington;
- Five trucks from LRS;
- Thirty-four trucks from Republic Services; and
- Nine trucks from other entities (e.g., Hometown Disposal, Dumpster Dan).

Republic Services was by far the largest hauler observed to use the facility. The observed trucks/ volumes from Bloomington and Normal are consistent with the information from the bid documents.

CEC also observed thirteen loaded transfer trailers departing the facility on March 30, 2023. Assuming that (1) all MSW that was accepted that day was removed, and (2) each transfer trailer contained approximately 23 tons of MSW, the amount of MSW accepted on March 30, 2023 was approximately 300 tons. A spreadsheet of CEC's observations from March 30, 2023 is provided in Attachment 1-A.

1.4.2 TRANSFER STATIONS AND LANDFILLS PROXIMATE TO THE SERVICE AREA

McLean County previously had one operating landfill (the ADS/McLean County Landfill), which was located very close to the Republic Bloomington Transfer Station (see Figure 1-4). Due to contract specifications, we understand that, even when the ADS/McLean County Landfill was operational, the Bloomington and Normal collection vehicles deposited their waste at the transfer station (and not direct hauling to the landfill). The waste was then loaded into larger vehicles at the transfer station and hauled the short distance to the ADS/McLean County Landfill for disposal. The ADS/McLean County Landfill closed in 2018, so all waste must now be transferred and disposed out of county. Currently there are three permitted landfills and one transfer station proximate to the Service Area. These are illustrated on Figure 1-4 and are listed below:

- Indian Creek Landfill #2, Hopedale - GFL Environmental, Inc. (GFL)
- Clinton Landfill #3, De Witt County - GFL
- Livingston Landfill, Pontiac - Republic Services
- Tazwell Transfer Station, East Peoria - Waste Management, Inc. (WM)

<u>Indian Creek Landfill #2</u>

The Indian Creek Landfill #2, located in Hopedale, Tazewell County (24501 McMullen Road, Hopedale), began receiving waste in 2004 and is permitted to accept MSW and nonhazardous special waste. The Indian Creek Landfill #2 is owned and operated by a subsidiary of GFL.

The annual solid waste capacity reports indicate that the Indian Creek Landfill #2 accepted approximately 1,223,080 gate cubic yards in 2021 (1,295 tons per day). The landfill has a remaining capacity of approximately 12,074,000 in-place cubic yards (as of January 1, 2022), which would provide approximately twenty-nine years of life at its 2021 waste acceptance rate.

Clinton Landfill #3

The Clinton Landfill #3 is located in unincorporated DeWitt County, near Clinton, Illinois (9950 Heritage Road, Clinton), and is a permitted non-hazardous solid waste landfill that is allowed to accept MSW and nonhazardous special waste. Clinton Landfill #3 generally consists of the closed Clinton Municipal Landfill, closed Clinton Landfill #1, closed Clinton Landfill #2, and Clinton Landfill #3. The Clinton Landfill #3 began accepting waste in approximately 2009. The Clinton Landfill is owned and operated by the Clinton Landfill, Inc., which is a subsidiary of GFL.

The annual solid waste capacity reports indicate that the Clinton Landfill #3 accepted approximately 1,325,788 gate cubic yards in 2021 (1,400 tons per day). The landfill has a remaining capacity of approximately 25,091,000 gate cubic yards (as of January 1, 2022), which would provide approximately forty-four years of life at its 2021 waste acceptance rate.

Livingston Landfill

The Livingston Landfill, located in Pontiac, Livingston County (14206 E 2100 Road N, Pontiac), began receiving waste in 2004 and is permitted to accept MSW and nonhazardous special waste. The Livingston Landfill is owned and operated by a subsidiary of Republic Services.

The annual solid waste capacity reports indicate that the Livingston Landfill accepted approximately 2,544,189 gate cubic yards in 2021 (1,280 tons per day). The landfill has a remaining capacity of approximately 27,377,000 in-place cubic yards (as of January 1, 2022), which would provide approximately twenty-six years of life at its 2021 waste acceptance rate.

The bid documents for the Blooming-Normal disposal services indicated that the waste accepted at the Republic Bloomington Transfer Station is being disposed at the Livingston Landfill, which is also owned/operated by Republic Services. The landfill is a distance of approximately 44 miles from the Republic Bloomington Transfer Station. The Indian Creek Landfill #2 is located approximately 26 miles from the Republic Bloomington Transfer Station, and Clinton Landfill #3 is located approximately 29 miles from the Republic Bloomington Transfer Station. Republic is believed to be using their own landfill even though it is 30 to 36 miles farther roundtrip than other landfills due to the advantages of vertical integration (see Section 1.5.3).

Tazewell Transfer Station

One transfer station is located within approximately 15 miles of the Service Area, which is the Tazewell Transfer Station. The location of the Tazewell Transfer Station is shown on Figure 1-4.

The Tazewell Transfer Station is located on an approximately 10.6-acre property in East Peoria, Tazewell County (3550 East Washington Street). The Tazewell Transfer Station began operation in 2008 and is owned/operated by a subsidiary of WM. The annual solid waste capacity reports indicate that the site accepts commercial, light industrial, C&D debris, recyclables, and landscape waste. A maximum acceptable amount is not listed. The Tazewell Transfer Station accepted approximately 75,705 tons in 2009 (265 tons per day); and 82,402 tons in 2008 (288 tons per day). Waste receipt data for the facility after 2009 is not available from the annual solid waste capacity reports. Due to the advantages of vertical integration, the Tazewell Transfer Station is believed to be hauling its waste to the Peoria City/County Landfill #2 (see Figure 1-4).

1.4.3 WASTE COLLECTION COMPANIES IN SERVICE AREA

Waste from customers is picked up in a variety of types of trucks by waste collection companies. The services provided vary by the type of customer (residential, commercial, and industrial).

Commercial and industrial hauling services are generally bid on a client or company basis. This is demonstrated by the variety of company names easily observed on waste containers outside commercial and industrial businesses. Rates are negotiated based on client specific needs such as the size of requested container and the pick-up frequency. Henson Disposal/LRS picks up waste from a wide variety of commercial customers over the Service Area as discussed in Section 1.3 of this report.

Contracts for residential service in the Service Area are generally performed by or bid out by the municipality. The following is a summary of which hauling companies provide services to various municipalities in McLean County (based on various county and municipality websites as of approximately February 2023):

- Bloomington public works provides the collection services for residences in its municipality [https://www.bloomingtonil.gov/government/departments/public-works/resident-community/solid-waste].
- Normal public works provides the collection services for residences in its municipality [https://www.normalil.gov/1694/Garbage-Recycling] and [https://www.normalil.gov/501/Utility-Rates].
- Republic Services provides MSW and/or recyclables collection services for rural municipalities such as Hudson, Arrowsmith, Colfax, and Lexington, which are all east and/or north of Bloomington.
- GFL provides MSW and/or recyclables collection services for rural municipalities such as Heyworth, McLean, Downs, and LeRoy, which are all south of Bloomington.
- Multiple communities do not contract the collections services to a particular company. In those communities, Republic Services, GFL, WM, Henson Disposal/LRS, and/or other companies likely provide services.

As indicated above, Bloomington and Normal provide collection services and contract the disposal services. The most recent contract specifications for disposal services [Bid #2021-20 - Solid Waste Disposal Services] indicates the following:

- The transfer station (or landfill) must:
  - Be operating with all the required permits and meeting the applicable regulations;
  - Be located within a ten-mile radius of the intersection of Main and Division Streets; and
  - Have a hard surface (concrete or asphalt) for drop off.
- The maximum waiting time for any deliverer must not exceed thirty minutes.
- The agreement shall be for an initial period of two years, commencing on March 1, 2021, and will be automatically renewed for up to five additional periods of one year each unless either party gives ninety days written notice to the other prior to the expiration date of the original term or any renewal period.

The pre-bid meeting for the most recent contract was held on January 7, 2021, and only two companies attended: Peoria Disposal Company and affiliates (PDC)/Area Disposal and Republic Services. PDC/Area Disposal declined to bid because of the requirement that the bidder must have a facility within McLean County. Henson Disposal (now LRS) also formally submitted a "no bid" for the same reasons. As discussed above, only Republic Services has a disposal facility within McLean County, and Republic Services was awarded the contract (consistent with previous contract(s)). This situation effectively creates a monopoly by Republic Services. The pricing was $56.29 per ton (for initial two-year period) and then increasing from $57.98 (for first additional

one-year period) to $65.26 (for fifth additional one year period), which equates to an approximately 3% increase each year/period.

The following alternative information was submitted:

- Republic Services offered an alternative bid for a ten-year contract with pricing ranging from $53.65 per ton (in year 1) to $70.01 per ton (in year ten), which equates to a 3% increase per year. As an incentive, Republic offered a $2/ton fee for each ton of Bloomington and Normal waste delivered to the transfer station.
- PDC/Area Disposal (now GFL) indicated that, if Bloomington and Normal would consider hauling trash to their landfill in Clinton, they would offer a very competitive rate and make the trip to the Clinton Landfill worth the effort.

1.4.4 OBSERVATIONS REGARDING COMPANIES AND FACILITIES IN OR PROXIMATE TO THE SERVICE AREA

Shortfall of Waste Disposal Capacity in the Service Area

The following are observations regarding the transfer station in the Service Area:

- The information provided in Section 1.3 indicates that the volume of waste requiring disposal in the Service Area is approximately 500 tons per day.
- A comparison with the disposal amounts from Section 1.3 indicates that the MSW amount being managed by the single transfer station in the Service Area (the Republic Services Bloomington Transfer Station) is approximately 200 tons per day less than the MSW amount needing to be disposed from the Service Area (see Table 1-3 below). This reflects an approximately 200-ton-per-day shortfall/need for transfer stations in the Service Area, which can be met by the proposed facility.
- The capacity of the single transfer station in the Service Area (the Republic Services Bloomington Transfer Station) may not be equally or fully available to all haulers in the Service Area. The capacity of a transfer station typically considers the anticipated market conditions (e.g., the amount of waste reasonably anticipated to be received) and can vary based on a variety of factors including pricing, available manpower, equipment, and operating hours.

Table 1-3 Summary of Shortfall/Need in Service Area

MSW Estimate for Service Area	2021 Volumes (tons per day)
Volume (Ave.) Requiring Disposal	500
Volume Accepted at Transfer Station in Service Area	300
Shortfall/Need	200

Monopoly by Republic Services

Bloomington and Normal contain approximately 66% of the population in the Service Area and generate a similar proportionate share of the MSW in the Service Area. The contract specifications to receive the MSW from Bloomington and Normal require the transfer station (or landfill) to be located within a 10-mile radius of the intersection of Main and Division Streets (see Section 5.3). Republic Services has the only disposal facility that meet this location requirement. For all these obvious reasons, no other companies were able to bid on this contract and Republic Services was awarded the contract (consistent with previous contract(s)). This situation effectively creates a monopoly by Republic Services.

Tendency/Incentives to Vertically Integrate

The municipalities generally do not direct the hauler where to dispose of the waste. Thus, the hauler has the discretion to dispose of the waste at a transfer station or directly to a landfill. Economics (e.g., driving distance, tipping fee) are the main criteria that dictate the disposal location and a variety of other factors are considered and potentially impact the economics (contract terms, payment terms, "turnaround time" at the facility, operating hours, ability to "stage" loads, location where collection vehicles are parked, location of vertically integrated landfill relative to locations of transfer station options).

Vertical integration is the ability for a company to control its costs through the entire life cycle from collection to final disposal in a landfill. Hauling companies that are part of a company that owns and/or operates transfer stations and/or landfills have financial incentives to "vertically integrate" their services and bring waste that they pick up to their own transfer or disposal facility (see discussion in Section 1.5.3). The incentives to vertically integrate are believed to result in:

- Republic Services hauling waste from the Republic Services Bloomington Transfer Station to its own landfill even though other landfills are closer.
- GFL/PDC/Area Disposal winning hauling contracts in portions of the Service Area in the general direction of their landfills proximate to the Service Area and not using the Republic Services Bloomington Transfer Station.

Only Republic Services is Fully Vertically Integrated in the Service Area

Only Republic Services is fully integrated in the Service Area (i.e., have hauling operations, own/operate a transfer station in the Service Area, and own/operate a landfill proximate to the Service Area). All of the other waste services companies in the Service Area lack full vertical integration, which puts them at a significant competitive disadvantage compared to Republic Services for the reasons discussed above and further explained in Section 1.5.3. As such, even if Bloomington and Normal modified their bid specifications to eliminate the location requirement, other companies would be at a significant disadvantage to compete for this work.

The monopolistic conditions were on full display during CEC's observations of the haulers that use the Republic Services Bloomington Transfer Station. Republic Services was by far the largest hauler using the transfer station because of the advantages discussed above. Conversely, GFL, who hauls MSW from multiple communities, did not use the transfer station at all. The obvious inference is that GFL is hauling the waste they collect to the landfills and/or transfer station they own due to the advantages of vertical integration discussed above.

Republic Services monopolistic advantage is evidenced by the hauling of rural communities as well. For example, Republic Services hauls the communities of Hudson, Arrowsmith, Colfax, and Lexington, which are all located north and/or east of Bloomington. These communities are substantially closer to the Republic Services Bloomington Transfer Station than any of GFL's facilities. As such, if GFL or another company bid on the hauling of these communities, they would be subject to pricing from Republic Services (which is their competitor) or be forced to haul the MSW a significantly farther distance than Republic Services. Conversely, Heyworth, McLean, LeRoy, and Downs are all located south of the Bloomington, and their landfill in Clinton is directly south of Bloomington in DeWitt County. For these communities, GFL has the option to direct haul the MSW from these communities to their own landfill and control their own costs. As such, the monopolistic advantages of Republic Services also exist in most of rural areas of McLean County.

1.5 TRENDS IN THE WASTE DISPOSAL SYSTEM

1.5.1 DECREASING NUMBER OF AVAILABLE LANDFILLS

The number of operational landfills in Illinois has been decreasing for many years. Table 1-4 summarizes the number of operational landfills in Illinois over time. As shown, the number of operational landfills in Illinois has decreased from fifty-eight to thirty-six from 1995 through 2021.

Table 1-4: Illinois Active Landfills

Year	Active Landfills in Illinois
1995	58
2000	53
2005	51
2010	43
2015	38
2021	36

Note: Data taken from Illinois Environmental Protection Agency Solid Waste Capacity Reports.

The Streator Landfill and the ADS/McLean County Landfill were two of the landfills that closed between 1995 and 2021. The Streator Landfill closed in approximately 2008 and the ADS/McLean County Landfill closed in 2018. Since the ADS/McLean County Landfill was the only active landfill in McLean County, McLean no longer has any active landfills.

1.5.2 ONGOING WASTE INDUSTRY CONSOLIDATION

The waste industry has been consolidating for many years. Consolidation proximate to the Service Area are discussed below.

Acquisition of American Disposal Services, Inc.

American Disposal Services of Illinois, Inc., which included the Republic Services Bloomington Transfer Station and the Livingston Landfill, was acquired by Allied Waste Industries, Inc. in 1998. Republic Services and Allied Waste Industries, Inc. merged in December 2008 to create one of the nation's leading waste and environmental services providers. The combined company, which is based in Phoenix, is named Republic Services, Inc. [https://investor.republicservices.com/news-releases/news-release-details/republic-services-and-allied-waste-complete-merger-form-leading]. The Republic Services Bloomington Transfer Station and Livingston Landfill have remained a wholly owned subsidiary of Republic since that time.

Republic Services is the second largest waste company in the United States with approximately $11.3 billion in annual revenues in 2021.

WM Acquisition of Advanced Disposal Services, Inc.

In April 2019, Waste Management, Inc. (the largest residential garbage and recycling company in North America) announced it entered an agreement to acquire Advanced Disposal Services, Inc. (Advanced Disposal) for $4.9 billion. Advanced Disposal is the fourth largest garbage and recycling company in North America. The Wall Street Journal described the deal as WM's largest acquisition ever. [https://resource-recycling.com/recycling/2019/04/16/waste-management-unveils-majormerger/].

The acquisition of Advanced Disposal Services, Inc. was completed on October 30, 2020.

Divestiture of WM/Advanced Disposal Assets to GFL

In June 2020, GFL announced that it signed an agreement to purchase $835 million worth of waste collection assets from WM and Advanced Disposal. The acquisition was subject to closing of the WM and Advanced Disposal transaction and approval by the United States Department of Justice. The Wisconsin asset package represents the majority of the acquired assets. The remaining assets are located in Michigan, Illinois, Indiana, Georgia, Alabama, Maryland, Minnesota, Pennsylvania, and Florida [GFL Environmental, Investor Update, June 25, 2020].

Immediately following the completion of the Advanced Disposal acquisition on October 30, 2020, Waste Management and Advanced Disposal completed the sale to GFL of all of the assets required by the United States Department of Justice to be divested in connection with the Advanced Disposal acquisition [https://investors.wm.com/news-releases]. The Illinois facilities sold to GFL included Advanced Disposal's Zion Landfill [Proposed Final Judgment, filed October 23, 2020].

GFL Acquisition of PDC

GFL acquired the solid waste management and recycling business of PDC on October 1, 2021. PDC has operated a regional platform for over ninety years under the ownership of the Coulter family. PDC owned a vertically integrated network of assets in Central Illinois and Eastern Missouri, providing residential, commercial, and industrial solid waste hauling and recycling services. The operations include three active landfills, two strategically located transfer stations, one material recovery facility, and a wastewater treatment plant. The acquisition also includes Peoria City/County Landfill Number 3, which is expected to begin operations in early 2024. The PDC assets are supported by a fleet of over 350 vehicles and more than 400 employees. [https://www.prnewswire.com/news-releases/gfl-environmental-announces-the-acquisition-of-peoria-disposal-company-and-provides-update-on-year-to-date-ma-activity-301389629.html]

PDC had acquired Area Disposal Services, Inc. in 1989. As such, both are now part of GFL. Headquartered in Vaughan, Ontario, GFL is the fourth largest environmental services company in North America with facilities throughout Canada and twenty-seven states. [https://www.whig.com/business/area-disposal-sold-to-canadian-firm/article_85e76212-256a-11ec-88c6-c7cf8031d9fc.html]

1.5.3 IMPORTANCE OF VERTICAL INTEGRATION

The above-discussed consolidation has resulted in the vertical integration of the waste management operations (i.e., hauling, transfer, and disposal) of the national waste companies. Vertical integration has a number of advantages in the waste industry, including control of disposal pricing. Hauling contracts predominantly include disposal in the pricing so, if a company is unable to establish their own disposal pricing, they are at a significant competitive disadvantage. Each of the national waste companies acknowledge the critical importance of vertical integration in their annual reports and Form 10-K reports.

Only Republic Services is fully integrated in the Service Area (i.e., have hauling operations, own/operate a transfer station in the Service Area, and own/operate a landfill proximate to the Service Area). All of the other waste services companies in the Service Area lack full vertical integration, which puts them at a significant competitive disadvantage compared to Republic Services for the reasons discussed above and including the following:

- Other companies must pay fees to Republic Services, which reduces their margins and improves Republic Service's margins.
- Other companies do not have control of long-term pricing, which creates a significant unknown cost factor when bidding on municipal hauling contracts (which are typically five years).
- The lack of known long-term pricing creates hurdles for other companies to make capital investments.
- The use of a competitor's facility causes operational inefficiencies for the other companies (e.g., trucks must drive from the transfer station back to their facility at the end of the day versus parking at the same location, or must travel extra miles to deliver loads within the transfer station operating hours).

The above reasons are why it is believed that, even if Bloomington and Normal modified their bid specifications to eliminate the location requirement, other companies would still be at a significant disadvantage to Republic Services to compete for this work.

1.5.4 RECYCLING CHALLENGES

McLean County, along with many local government and private sector partners, has successfully completed various recycling goals over the years although challenges remain. The McLean County 2017 Twenty-Year Plan discusses the status of various initiatives and challenges. The following are relevant excerpts:

- McLean County raised the recycling rate goal from 25% to 40% as part of the 2002 five-year update to the Integrated Solid Waste Management Plan after reaching the initial 25% target. Since 2002, the annual community-wide recycling rates gradually increased overall but did not meet the 40% goal until 2016 [Appendix 8-A, Section 4.B, page 11].
- In April 2016, both Bloomington and Normal begin sending "bulky" curbside waste, meaning furniture, remodeling materials, shingles, and similar larger trash items, to the C&D recycling facility at the Henson Recycling Campus instead of the landfill. With even less than a full year of implementation, this new strategy had a significant impact on the overall recycling rate, pushing it beyond 40% for the first time ever [Appendix 8-A, Section 4.B, page 12].
- The significant impact of this single strategy greatly emphasizes that, while recycling options and services in McLean County and Bloomington-Normal are extensive and often better that what is found in many other Illinois communities, to make meaningful progress toward reaching and exceeding the current and future recycling rates goals, a much more strategic and holistic approach is necessary [Appendix 8-A, Section 4.B, page 11].
- Six key strategies are the primary focus based on the identified challenges and system deficiencies. The six key strategies involve multi-family housing recycling, commercial recycling, C&D materials recycling, organics, household hazardous waste, and increased outreach and technical assistance. The existing C&D recycling facility at the Henson Recycling Campus is identified as potentially facilitating additional C&D recycling [Appendix 8-A, Section 5.B, Table 7, page 20–21].
- The potential for multiple types of future waste processing, disposal, recycling, and/or composting sites are identified [Appendix 8-A, Section 5.B, page 24 and Table 7].
- An estimated 21% of C&D waste is currently recycled in our community. Construction and demolition waste reuse and recycling has proven to be economically feasible with the County. Because of the cost savings and economic benefit provided to Bloomington-Normal, including lower tipping fees, C&D recycling should be increased by all means possible including an ordinance in Bloomington and Normal [Section 5.B, page 22].

- In order to help drive continued improvement, the following recycling rate goals were set that increase automatically every five years, independent of the success of reaching the earlier goal.
    - 2002 Recycling Rate Goal: 40% — Goal met in 2016 thru 2022
    - 2022 Recycling Rate Goal: 50%
    - 2027 Recycling Rate Goal: 60%
    - 2032 Recycling Rate Goal: 70%
    - 2037 Recycling Rate Goal: 80%

  [Appendix 8-A, Section 5.C, page 25].

1.6 HRC TRANSFER STATION BENEFITS

Waste recycling and transfer stations play an important role in a community's total waste management system, serving as a link between a community's solid waste collection program and a final waste disposal facility. The HRC Transfer Station will provide the following benefits.

1.6.1 INCREASE COMPETITION AND TRANSFER CAPACITY IN THE SERVICE AREA

The information in Section 1.4 suggests that amount of waste being accepted at the one transfer stations in McLean County is approximately 300 tons per day. A comparison with the generation amounts from Section 1.3 indicates that the MSW amount being managed by the transfer stations in the Service Area is approximately 200 tons per day less than the MSW amount being generated in the Service Area. This reflects an approximately 200-ton-per-day shortfall/need for transfer stations in the Service Area, which can be partially met by the HRC Transfer Station.

The Service Area is predominantly served by Republic Services Bloomington Transfer Station as available landfills are generally too distant for MSW to be direct hauled from the populous portion of the Service Area. The transfer station in the Service Area is owned by Republic Service, and the landfill receiving the waste from the Service Area is also owned/operated by Republic Services. This vertical integration provides significant financial and related advantages over collection companies without a similar waste management network of facilities.

Hauling companies which operate in an area without their own disposal location (transfer station and/or landfill) are at a competitive disadvantage because the owner and/or operator of the disposal location is also a hauling competitor. The owner and/or operator of the disposal location can readily "drive up" the disposal cost of their competition and give their own hauling company a cost advantage. The overall likely impact is higher pricing and a reduction in services. The economic factor which tends to prevent this from occurring is competition; specifically, multiple potential transfer/disposal locations that are incentivized to want and bid on the hauling volume. The HRC Transfer Station would provide another option to haulers in the area.

The benefits of competition are well established. The Federal Trade Commission Bureau of Competition advances United States government policies that protect consumers and promote competition. Their website states the following:

- Competition in America is about price, selection, and service. It benefits consumers by keeping prices low and the quality and choice of goods and services high.
- Competition also encourages businesses to offer new and better products.
- Competition makes our economy work [https://www.ftc.gov/about-ftc/bureaus-offices/bureau-competition/about-bureau-competition].

McLean County relies on a single transfer station to transport non-recyclable waste and MSW to out-of-county landfills, resulting in an effective monopoly. The HRC Transfer Station would enhance the capability and capacity of McLean County to manage waste. The HRC Transfer Station would also provide competition to the single other transfer station in the county, which has been proven to control costs and improve services. This benefit was recognized in the 2017 Twenty-Year Plan which indicates that the establishment of additional waste transfer stations could have multiple economic benefits including increased competition resulting in more beneficial waste disposal rates (see Attachment 8-A, Section 5.B).

Examples of Proximate Transfer Stations

Prior to 2020, the WM Joliet Transfer Station was the only permitted MSW transfer station in Will County and had a similar "monopoly" as the Republic Services Bloomington Transfer Station. Environmental Recycling and Disposal Services began operating a new transfer station (the Moen Transfer Station) in late 2020, which is located approximately 1.25 miles from the WM Joliet Transfer Station. WM vehemently opposed the local siting of the Moen Transfer Station. The local siting application for the Moen Transfer Station (which was unanimously approved by the Village of Rockdale) demonstrated that the Moen Transfer Station service area had only one transfer station (the WM Joliet Transfer Station) that accepts and transfers MSW, and it is owned by the same company (WM) that operates the landfill (the Prairie View RDF). The local siting application similarly recognized that:

- This situation may discourage other haulers from using the waste disposal system in Will County.
- The owner and/or operator of the disposal location can potentially "drive up" the disposal cost of their competition and give their own hauling company a price advantage.
- The economic factor which tends to prevent this from occurring is competition; specifically, multiple potential transfer/disposal locations that are incentivized to want and bid on the hauling volume.
- While the Moen Transfer Station and WM Joliet Transfer Station are in relatively close proximity to each other, competition for disposal services in the service area will be promoted by the addition of the Moen Transfer Station.

The approval of the local siting application for the Moen Transfer Station was upheld by both the Illinois Pollution Control Board and the Appellate Court on appeal. The Moen Transfer Station was subsequently constructed and began operation in late 2020.
The Moen Transfer Station was originally only permitted to receive a maximum 350 tons per day. Due to demand from outside haulers, the capacity of the transfer station has been increased to 1,080 tons per day, and observations by CEC indicate that the Moen Transfer Station regularly accepts 600 to 800 tons per day. This is a prime example of the results of competition in a previously monopolized market.

Another example of proximate transfer stations is the City of West Chicago (West Chicago). West Chicago currently hosts one MSW transfer station (the DuKane Transfer Station), which is owned/ operated by Waste Connections, Inc. (Waste Connections). In February 2023, West Chicago approved the local siting of a second transfer station in their community (the West DuPage Recycling and Transfer Station or West DuPage RTS), which is operated by LRS and is located approximately 0.5 miles from the DuKane Transfer Station. The local siting application demonstrated that the West DuPage RTS will increase competition and available transfer capacity in the service area, which has been clearly recognized to help control price increases and maintain a high quality of service in both the residential and commercial sectors.

West Chicago has been a beneficiary of just the initial efforts to develop the West DuPage RTS. Waste Connections held the contract with West Chicago from July 1, 2012 to December 31, 2019 to haul the contract for curbside and/or alley collection of refuse, yard waste, and recyclable materials. The City of West Chicago provided a request for proposal to LRS and Waste Connections, dated June 24, 2019, for a new hauling contract. Bids were submitted in July 2019 (which was after the host community benefit agreement for the West DuPage RTS had been executed in May 2019). Based on just the potential development of the West DuPage RTS, LRS submitted a proposal for the residential waste service program. Waste Connections offered significant improvements to the rate structure and overall program relative to the current contract. Waste Connections was awarded the new waste hauling contract for the City of West Chicago. Tangible benefits to West Chicago and its residents of the new waste hauling contract include:

- Cost Savings - Five-year savings of approximately $1,700,000 compared to the previous contract (or approximately $300 for each of the approximately 5,700 single-family units within the City of West Chicago);
- Organics Services - The city was offered a modified organics program which allowed organic food waste to be disposed with grass clippings on a subscription basis;
- Electronics Waste - The city requested, and received an offer to provide a monthly curbside collection of e-waste from West Chicago residents (up to six items for a fee of $30);
- Organics/Pumpkin Seasonal Service - The city requested, and received an offer to provide a roll-off box at a central location in the fall for the free collection and composting of pumpkins from West Chicago residents; and
- Gratis Holiday Light Collection - The city requested, and received an offer to providing a roll-off box at a central location after the holidays for the free recycling of holiday lights from West Chicago residents [see https://westchicago.org/transfer-station/].

Letters of Support

Attachment 1-B contains letters from the following thirty-three business owners, municipal government representatives, and prominent members of the community which support the proposed HRC Transfer Station for the reasons discussed above.

- Jason Heitz, President of Contractor's Disposal Inc.;
- Dan Thompson, President of Dumpster Dan's Roll-Off;
- Larry Apfelbaum, local attorney and past president of Wishbone Canine Rescue;
- Craig Alexander, farmer and past president of McLean County Museum of History;
- Jason Barickman, Illinois State Senator, 53rd District;
- Scott Black, retired Bloomington alderman and retired McLean County board member;
- Joe Bierbaum, owner of Bierbaum Landscaping and Excavating;
- Luke Boward, owner of Boward Brothers Farm and Excavating;
- David Brown, President of Lewis, Yockey & Brown;
- Chris Buettner, CPA with Clifton, Larsen & Allen;
- Lisa Cornejo, Branch Manager for Peoples Link Staffing Solutions;
- Shannon Fulton, Vice President of Development for Straight Up Solar;
- Jerry Gilbert, owner of Sunrise Shutters and Blinds;
- Tim Gleason, City Manager for City of Bloomington;
- Ian Goldsmith, Security Analyst for State Farm Insurance;
- Pat Henson, owner of Henson Services;
- Kyle Hoedel, owner of Roanoke Concrete;
- Robert Johnson, Account Representative for National Federation of Independent Businesses;
- Steven Johnson, Ph. D., retired business owner;
- Chris Koos, Mayor for Town of Normal;
- Dan Leisher, Major for Salvation Army;
- Jennifer McCarron, President of Business Builders Market;
- David McDaniel, owner of Bradford Supply Company;
- Christopher Miller, Instructor at Heartland Community College;
- Charles Moore, President and CFO of McLean County Chamber of Commerce;
- Mark Peterson, former City Manager, Town of Normal;
- Tari Renner, former Mayor, City of Bloomington;
- Douglas Roesch, Senior Vice President, Bloomington-Normal Community Bank;
- Karen Schmidt, former Pro tempore Mayor of City of Bloomington;
- Barb Smith, owner of Find My Team, LLC;
- Brian Soule, Account Executive for Snyder & Snyder Agency, Inc.;
- Steve Timmerman, Vice President for Bank of Pontiac; and
- John Wollrab, owner of Twin City Wood Recycling.

1.6.2 FACILITATE RECYCLING IN THE SERVICE AREA

McLean County has historically taken a proactive leadership role in recycling. The McLean County 2017 Twenty-Year Update discusses the current challenges with recycling and continuing to increase the diversion rate from landfills, including the specific desire to increase the amount of C&D recycling in the community.

The HRC Transfer Station is designed to accept SSR for transfer to a material recovery facility, which can help control costs and improve services. The ability to accept SSR will allow Henson to better serve commercial and rural residential customers, including their SSR or source separated recyclables (e.g., cardboard, plastic). The SSR from the site will be transported to a material recovery facility where it will be sorted/separated into its components (plastic, metal, paper, cardboard, etc.). The component material is then baled and sent to various facilities for further processing and/or recycling. The ability to transfer the SSR through its own site will allows the opportunity for LRS to better manage and improve the efficiencies of this operation.

The HRC Transfer Station will also provide efficiencies and synergies at the HRC that will increase the capacity and/or efficiency of C&D recycling. The acceptance and processing of non-recyclable materials is a significant challenge at the C&D recycling facility. The non-recyclable material potentially cross contaminates recyclable material and causes recyclable material to become non-recyclable. Managing non-recyclable material also uses up a disproportionate amount of manpower and equipment capacity that could otherwise be used for managing recyclable material. With the operation of the HRC Transfer Station, loads of C&D waste that contain a large percentage of non-recyclable material can be diverted to the HRC Transfer Station to prevent potential cross contamination and free up valuable resources at the C&D recycling facility. In addition, the revenue generated by the HRC Transfer Station is anticipated to facilitate additional investments in recycling infrastructure at the HRC.

The C&D recycling facilities in Illinois, including the existing operations at the HRC, are facing increasing challenges to meet the Illinois operational requirements. These challenges include:

- More limited options to beneficially re-use screening fines due to odor issues at landfills (caused by the conversion of the calcium sulfate in drywall to hydrogen sulfide); and
- More limited options to beneficially re-use asphalt shingles in roadways due to potential performance issues (relative to roadways with no recycled asphalt component).

In summary, the proposed HRC Transfer Station will allow for more efficient recycling operations including increasing the capacity and/or efficiency of recycling of C&D materials..

1.6.3 PROVIDE DIRECT BENEFITS TO THE MCLEAN COUNTY

The 2017 Twenty-Year Plan recognizes the need for additional funding due to the anticipated closure of the ADS/McLean County Landfill, and that new waste transfer stations provide the possibility of a new revenue source through host fees (see Attachment 1-C, Section 5.B). As previously discussed, the landfill has closed so McLean County no longer received host fees from the landfill. The Republic Services Bloomington Transfer Station does not have a host agreement with McLean County, Bloomington or Normal.

In planning for the proposed transfer station, Henson Disposal/LRS has executed a host community agreement with McLean County, dated November 10, 2022 (Host Agreement). The Host Agreement contains provisions for economic benefits to be provided to McLean County (if the siting request meets the statutory requirements as set forth in 415 ILCS 5/39.2 and the facility is built and operated). These benefits include Henson Disposal/LRS providing a host benefit fee of $1 for each ton of waste transferred to a landfill or other disposal facility. Section 5.b of the Host Agreement indicates that 50% of the host benefit fee will be "used by the County to support organizations identified by the County that are involved in recycling or recycling education, including but not limited to the Ecology Action Campus". The host community agreement between McLean County and Henson Disposal is provided in Attachment 1-C.

If the HRC Transfer Station transfers an average of 250 tons per day of waste to a landfill disposal facility, this will result in over $70,000 per year of revenues to McLean County. One-half of this amount would be used for recycling education and promotion.

1.6.4 PROVIDE DIRECT BENEFITS TO THE CITY OF BLOOMINGTON

In planning for the proposed transfer station, the property owner of the HRC Transfer Station (TKNTK, LLC) executed a utility agreement with the City of Bloomington (Utility Agreement) in January 2023. The Utility Agreement contains provisions for the construction of utilities to serve the HRC Transfer Station. The Utility Agreement also contains provisions for economic benefits to be provided to Bloomington (if the siting request meets the statutory requirements as set forth in 415 ILCS 5/39.2 and the facility is built and operated). These benefits include a host benefit fee of $1.00 being provided to Bloomington for each ton of waste transferred to a landfill. The Utility Agreement is provided in Attachment 1-D.

If the HRC Transfer Station transfers an average of 250 tons per day of waste to a landfill disposal facility, this will result in over $70,000 per year of revenues to Bloomington.

1.7 SUMMARY AND CONCLUSION

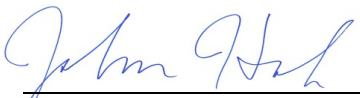
This report demonstrates that the HRC Transfer Station is necessary to accommodate the waste needs of the area it is intended to serve. The following conclusions support this opinion:

- The HRC Transfer Station will increase competition and available transfer capacity in the service area, which has been clearly recognized to help control price increases and maintain a high quality of service in both the residential and commercial sectors.
- The HRC Transfer Station will facilitate recycling in the service area by expanding the HRC service offerings, providing efficiencies and synergies at the HRC will increase the capacity and/or efficiency of C&D recycling.
- The HRC Transfer Station will provide direct benefits to McLean County as detailed in the Host Agreement with McLean County.
- The HRC Transfer Station will provide direct benefits to the City of Bloomington as detailed in the Utility Agreement with the City of Bloomington.

For the reasons cited above, the HRC Transfer Station meets the requirements of Criterion 1 as it is "necessary to accommodate the waste needs of the area it is intended to serve".

1.8 CERTIFICATION

I hereby certify that all information contained in this Application for Local Siting Approval for Criterion 1 was prepared by me or under my direct supervision, and is true and correct to the best of my knowledge and belief.



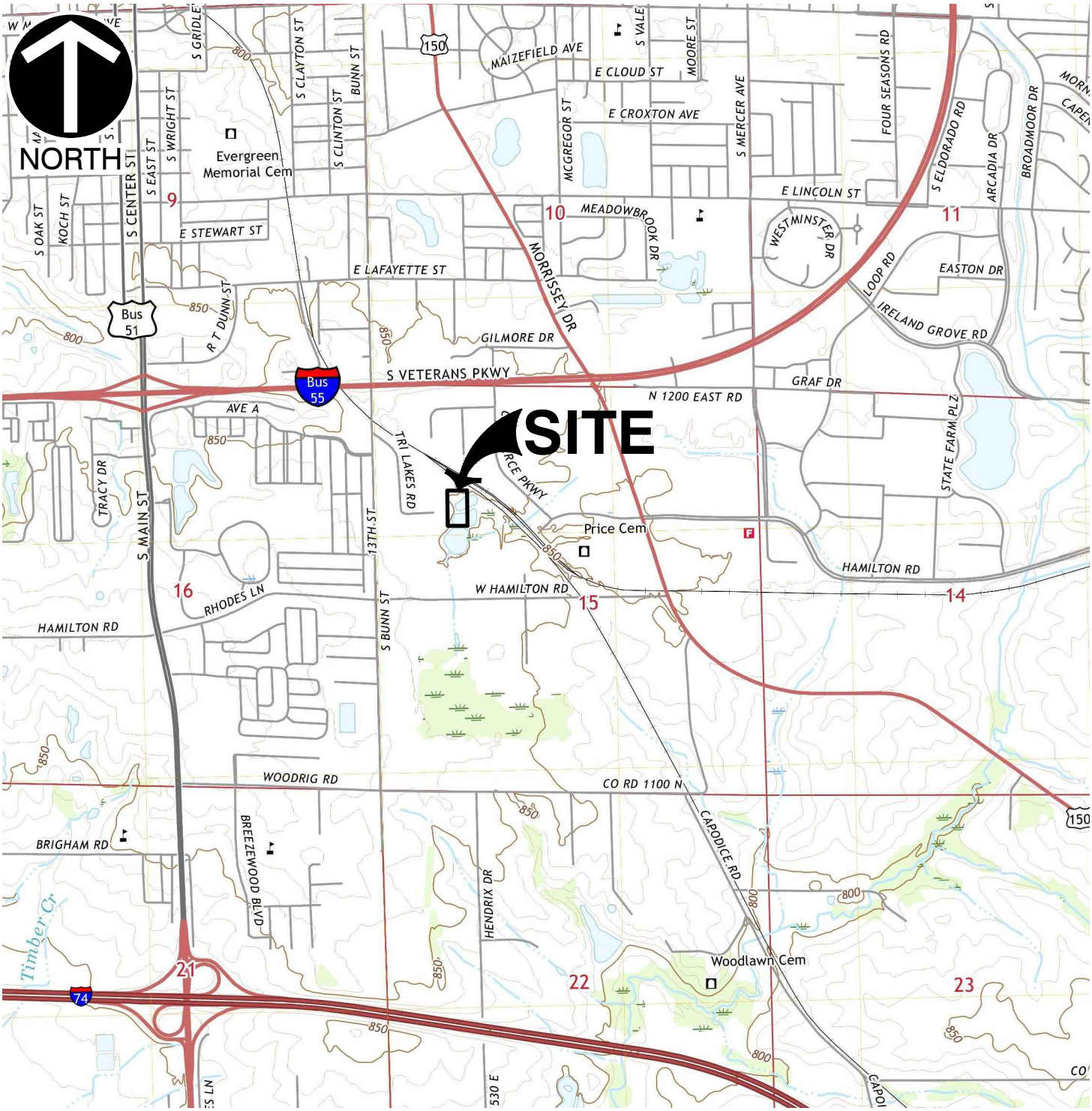
John Hock, P.E.

August 16, 2023
Date

062-047623 - IL
Professional Engineer Registration Number and State

CRITERION 1

FIGURES



REFERENCE

1. U.S.G.S. 7.5' TOPOGRAPHIC MAP, BLOOMINGTON EAST QUADRANGLE, ILLINOIS DATED: 2021

*HAND SIGNATURE ON FILE

SCALE IN FEET

0 2000 4000

Civil & Environmental Consultants, Inc.

1230 East Diehl Road, Suite 200 - Naperville, IL 60563

630-963-6026 · 877-963-6026

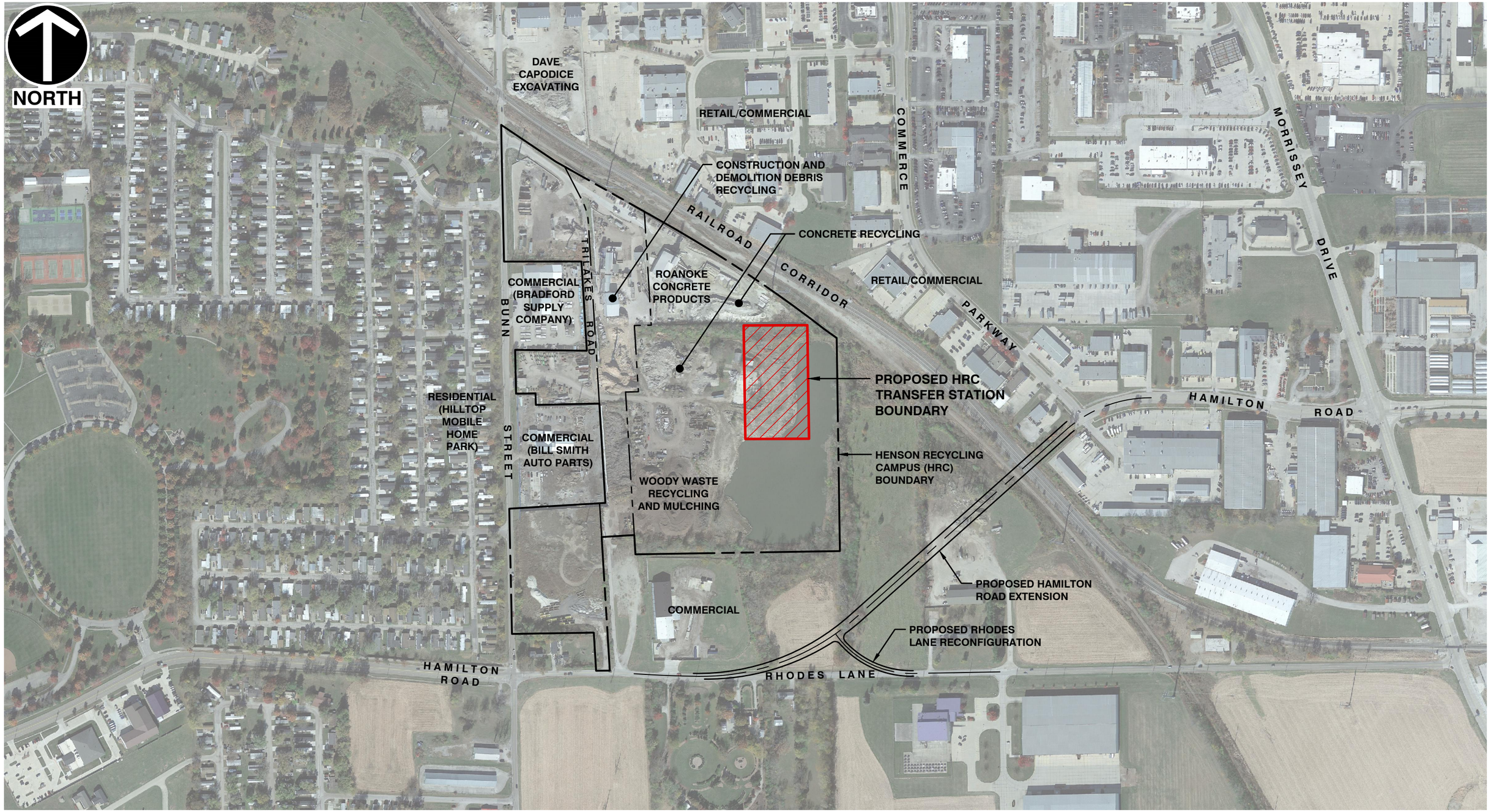
www.cecinc.com

HENSON RECYCLING CAMPUS TRANSFER STATION BLOOMINGTON, ILLINOIS

SITE LOCATION MAP

DRAWN BY:	MSK	CHECKED BY:	JEH	APPROVED BY:	JEH*	FIGURE NO.:	1-1
DATE:	08/15/2023	DWG SCALE:	1"=2000'	PROJECT NO:	318-216.0001		

P:\310-000\318-216\-CADD\Dwg\SW01-Local Siting Application\318216-SW01-S101-Site Location Map.dwg\{FIG 1-1} LS:(8/4/2023 - mkarpf) - LP: 8/15/2023 6:10 AM



LEGEND

- BOUNDARY OF HENSON RECYCLING CAMPUS (HRC)
- BOUNDARY OF PROPOSED HRC TRANSFER STATION
- BOUNDARY OF HENSON C&D AND WOODY LANDSCAPE WASTE RECYCLING FACILITY

REFERENCE

1. IMAGE PROVIDED BY GOOGLE EARTH. DATE OF IMAGE: OCTOBER 27, 2022.

*HAND SIGNATURE ON FILE

SCALE IN FEET

0 400 800

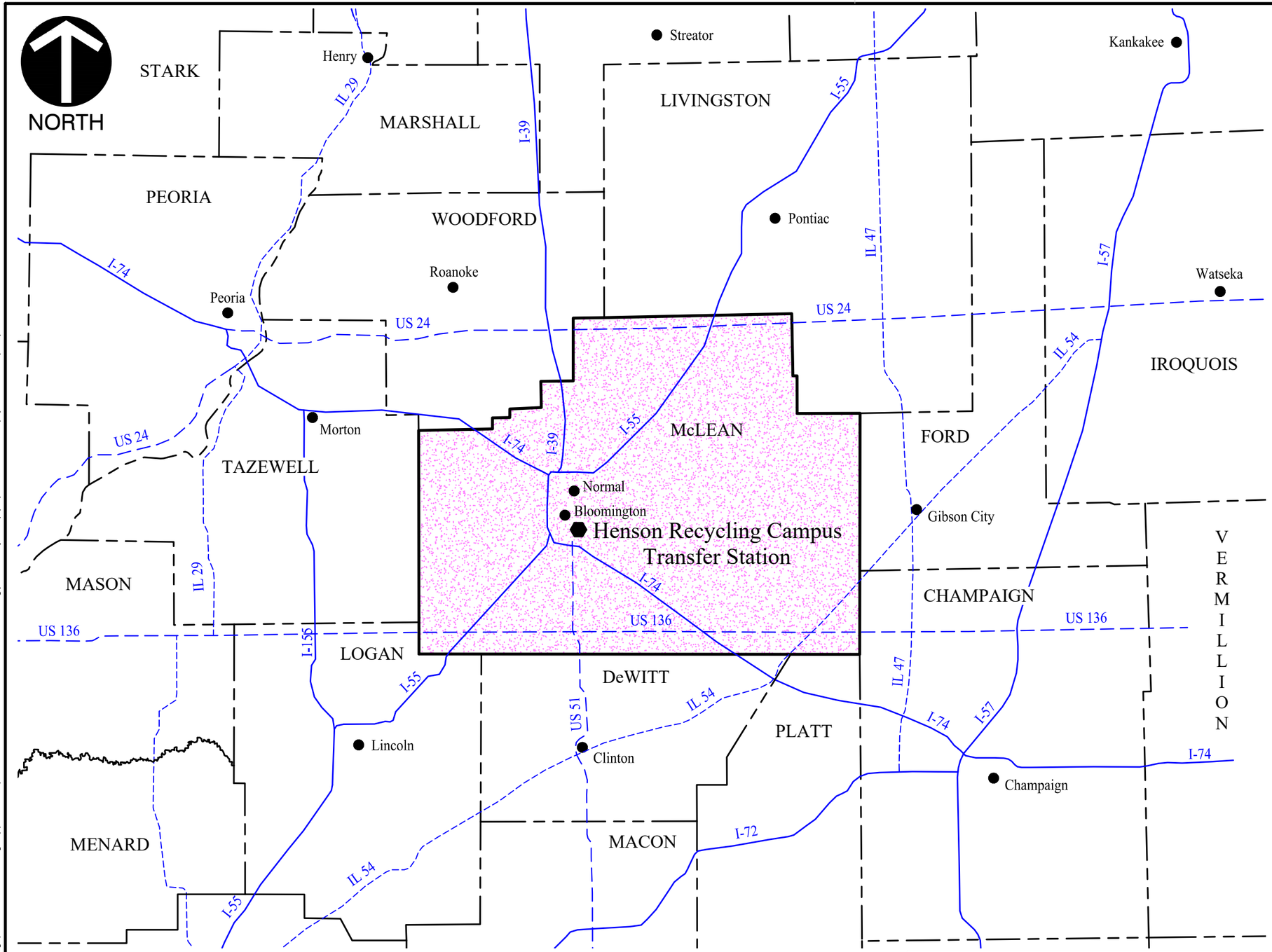
Civil & Environmental Consultants, Inc.
1230 East Diehl Road, Suite 200 - Naperville, IL 60563
630-963-6026 · 877-963-6026
www.cecinc.com

HENSON RECYCLING CAMPUS
TRANSFER STATION
BLOOMINGTON, ILLINOIS

HENSON RECYCLING CAMPUS SITE LAYOUT

DRAWN BY:	MSK	CHECKED BY:	JEH	APPROVED BY:	JEH*	FIGURE NO.:	1-2
DATE:	08/15/2023	DWG SCALE:	1"=400'	PROJECT NO:	318-216.0001		

P:\310-000\318-216\-CADD\Dwg\SW01-Local Siting Application\318216-SW01-S102-Site Layout.dwg[FIG 1-2] LS:(8/10/2023 - mkarpf) - LP: 8/15/2023 6:17 AM



LEGEND

- SURROUNDING MUNICIPALITY
- HENSON RECYCLING CAMPUS TRANSFER STATION SERVICE AREA
- McLEAN COUNTY BOUNDARY LINE
- SURROUNDING COUNTY BOUNDARY LINE
- INTERSTATE HIGHWAY
- U.S. HIGHWAY
- STATE HIGHWAY

*HAND SIGNATURE ON FILE

SCALE IN MILES

0 10.0 20.0

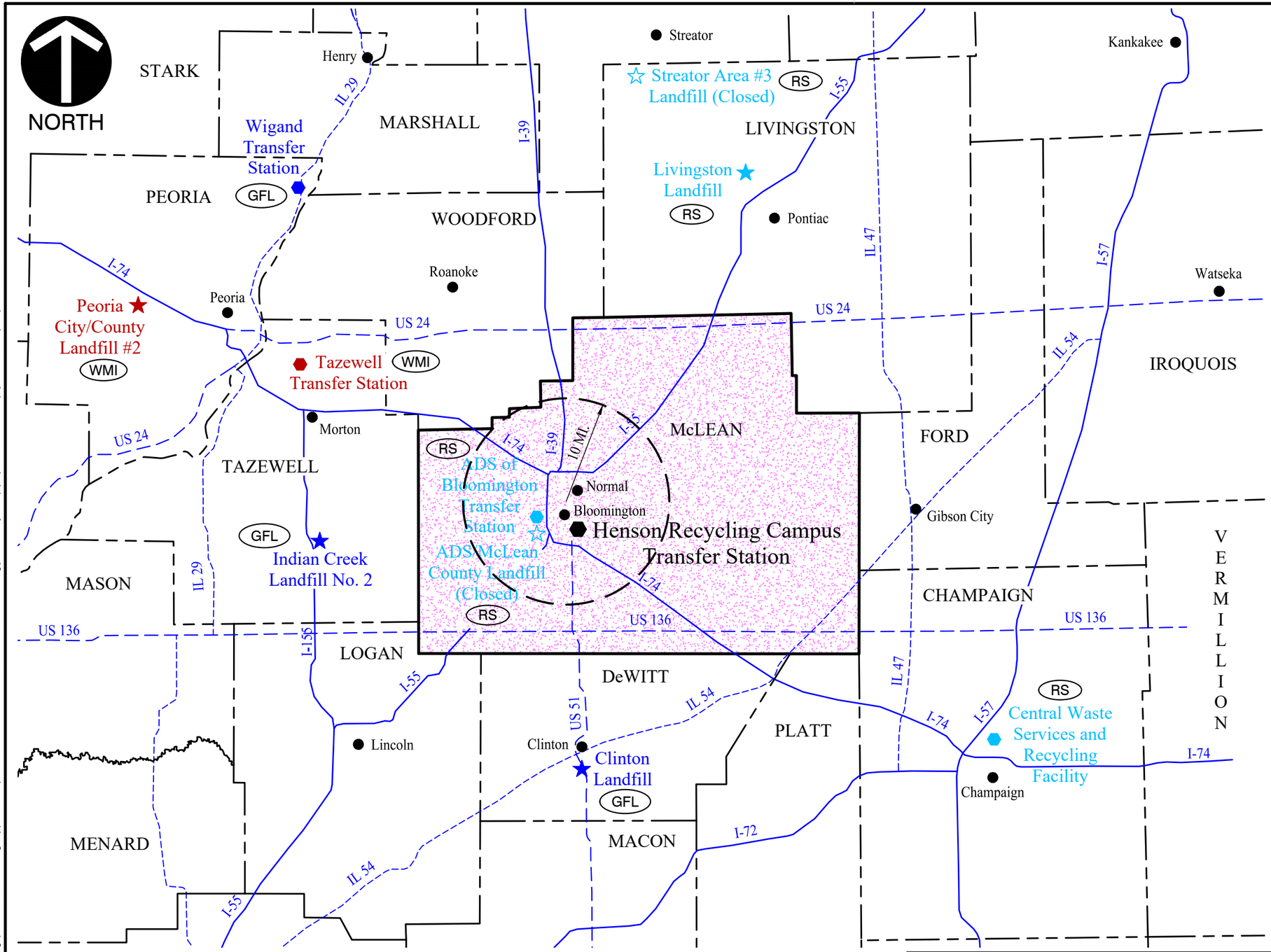
Civil & Environmental Consultants, Inc.
1230 East Diehl Road, Suite 200 - Naperville, IL 60563
630-963-6026 · 877-963-6026
www.cecinc.com

HENSON RECYCLING CAMPUS
TRANSFER STATION
BLOOMINGTON, ILLINOIS

TRANSFER STATION SERVICE AREA

DRAWN BY:	MSK	CHECKED BY:	JEH	APPROVED BY:	JEH*	FIGURE NO.:	1-3
DATE:	08/15/2023	DWG SCALE:	1"=10 MILES	PROJECT NO:	318-216.0001		

P:\310-000\318-216\-CADD\Dwg\SW01-Local Siting Application\318216-SW01-S103-Service Area.dwg[FIG 1-3] LS:(8/4/2023 - mkarpt) - LP: 8/15/2023 6:21 AM



REFERENCE

1. LOCATION OF LANDFILLS AND TRANSFER STATIONS BASED ON ADDRESSES FROM 2009 ILLINOIS SOLID WASTE CAPACITY REPORTS OR OTHER PUBLICLY AVAILABLE INFORMATION.
2. OWNER OPERATORS OF TRANSFER STATIONS TAKEN FROM COMPANY WEBSITES AND OTHER PUBLICLY AVAILABLE INFORMATION.

*HAND SIGNATURE ON FILE

SCALE IN MILES

0 10.0 20.0

Civil & Environmental Consultants, Inc.
1230 East Diehl Road, Suite 200 - Naperville, IL 60563
630-963-6026 · 877-963-6026
www.cecinc.com

HENSON RECYCLING CAMPUS
TRANSFER STATION
BLOOMINGTON, ILLINOIS

SURROUNDING LANDFILL AND TRANSFER STATION LOCATIONS

DRAWN BY:	MSK	CHECKED BY:	JEH	APPROVED BY:	JEH*	FIGURE NO.:	1-4
DATE:	08/15/2023	DWG SCALE:	1"=10 MILES	PROJECT NO:	318-216.0001		

P:\310-000\318-216\-CADD\Dwg\SW01-Local Siting Application\318216-SW01-S104-Landfill Locations.dwg[FIG 1-4] LS:(8/4/2023 - mkarpl) - LP: 8/15/2023 6:22 AM

ATTACHMENT 1-A

TRUCK COUNT AND IDENTIFICATION

Republic Services Bloomington Transfer Station
Disposal Vehicle Observations - March 30, 2023

#	Company	Truck Type	Truck Number	Time In	Time Out	Notes
1	RSI	Front Loader	-	7:02 AM	7:12 AM	
2	RSI	Front Loader	-	7:10 AM	7:17 AM	
3	RSI	Front Loader	-	7:14 AM	7:23 AM	
4	Convention Services	Transfer Trailer	-	N/A	7:22 AM	Assumed to be parked overnight prior to departure
5	RSI	Roll Off	-	7:30 AM	7:34 AM	Truck left with no roll-off box
6	RSI	Roll Off	-	7:30 AM	7:48 AM	18' Roll Off
7	Convention Services	Transfer Trailer	-	7:30 AM	7:57 AM	
8	Convention Services	Transfer Trailer	-	N/A	7:39 AM	Assumed to be parked overnight prior to departure
9	-	Roll Off	-	N/A	7:56 AM	12' Roll Off
10	Henson	Rear Loader	-	8:02 AM	8:10 AM	
11	RSI	Roll Off	2165373	8:05 AM	8:17 AM	18' Roll Off
12	Joe's Towing and Recovery	Roll Off	713946	7:55 AM	8:04 AM	
13	Henson	Rear Loader	-	7:55 AM	8:10 AM	
14	RSI	Rear Loader	-	8:15 AM	8:32 AM	
15	RSI	Roll Off	-	8:30 AM	8:42 AM	18' Roll Off
16	Convention Services	Tanker	106	8:30 AM	N/A	Parked on site
17	RSI	Roll Off	-	8:50 AM	9:06 AM	12' Roll Off
18	RSI	Front Loader	-	8:52 AM	9:05 AM	
19	RSI	Roll Off	-	8:55 AM	9:09 AM	12' Roll Off
20	RSI	Roll Off	-	9:04 AM	9:15 AM	12' Roll Off
21	Convention Services	Transfer Trailer	-	9:07 AM	10:00 AM	
22	Dumpster Dan	Dump Truck	-	9:07 AM	9:11 AM	Low Box
23	Convention Services	Transfer Trailer	-	9:30 AM	9:50 AM	
24	-	Pickup Truck	-	9:30 AM	9:45 AM	
25	RSI	Front Loader	-	9:45 AM	9:57 AM	
26	RSI	Front Loader	-	9:58 AM	10:10 AM	
27	Convention Services	Transfer Trailer	-	10:15 AM	10:35 AM	
28	Henson	Rear Loader	-	10:16 AM	10:24 AM	
29	RSI	Roll Off	-	10:15 AM	10:24 AM	18' Roll Off
30	Dumpster Dan	Dump Truck	-	10:17 AM	10:25 AM	
31	Hometown Disposal	Rear Loader	-	10:19 AM	10:31 AM	
32	Convention Services	Transfer Trailer	-	10:16 AM	10:35 AM	
33	RSI	Dump Truck	DD53	10:27 AM	10:35 AM	
34	RSI	Dump Truck	-	10:30 AM	10:40 AM	
35	RSI	Front Loader	1223	10:42 AM	10:52 AM	
36	Dumpster Dan	Dump Truck	-	10:50 AM	11:02 AM	
37	RSI	Front Loader	1221	11:00 AM	11:15 AM	
38	RSI	Dump Truck	-	11:12 AM	12:07 PM	

Republic Services Bloomington Transfer Station
Disposal Vehicle Observations - March 30, 2023

#	Company	Truck Type	Truck Number	Time In	Time Out	Notes
39	City of Bloomington/ Town of Normal	Rear Loader	-	11:22 AM	11:35 AM	
40	RSI	Rear Loader	2521	11:24 AM	11:55 AM	
41	City of Bloomington/ Town of Normal	Rear Loader	R15	11:25 AM	12:02 PM	
42	City of Bloomington/ Town of Normal	Rear Loader	R19	11:26 AM	11:55 AM	
43	RSI	Rear Loader	-	11:28 AM	11:50 AM	
44	Convention Services	Transfer Trailer	-	11:45 AM	12:05 PM	
45	RSI	Front Loader	1220	11:45 AM	11:55 AM	
46	Henson	Rear Loader	748	11:55 AM	12:00 PM	
47	City of Bloomington/ Town of Normal	Rear Loader	R60	11:45 AM	12:00 PM	
48	Henson	Rear Loader	747	11:55 AM	12:02 PM	
49	Convention Services	Transfer Trailer	-	12:00 PM	12:26 PM	
50	Convention Services	Transfer Trailer	-	11:45 AM	12:03 PM	
51	-	Dump Truck	-	11:45 AM	12:09 PM	
52	RSI	Roll Off	-	12:06 PM	12:20 PM	18' Roll Off
53	City of Bloomington/ Town of Normal	Rear Loader	A15	12:08 PM	12:14 PM	
54	City of Bloomington/ Town of Normal	Rear Loader	R48	12:08 PM	12:20 PM	
55	RSI	Dump Truck	-	12:22 PM	12:45 PM	
56	Convention Services	Transfer Trailer	-	12:25 PM	12:45 PM	
57	City of Bloomington/ Town of Normal	Rear Loader	A13	12:32 PM	12:38 PM	
58	RSI	Front Loader	1224	12:37 PM	1:00 PM	
59	RSI	Rear Loader	2409	12:55 PM	1:20 PM	
60	RSI	Dump Truck	-	1:12 PM	1:25 PM	
61	City of Bloomington/ Town of Normal	Rear Loader	A11	1:22 PM	1:30 PM	
62	RSI	Front Loader	2415	1:24 PM	1:50 PM	
63	RSI	Rear Loader	-	1:26 PM	1:58 PM	
64	Convention Services	Transfer Trailer	-	1:32 PM	2:05 PM	
65	RSI	Front Loader	1223	1:45 PM	2:09 PM	
66	RSI	Rear Loader	2409	1:54 PM	2:09 PM	
67	Convention Services	Transfer Trailer	-	1:58 PM	2:15 PM	
68	City of Bloomington	Rear Loader	-	1:58 PM	2:10 AM	
69	Dumpster Dan	Dump Truck	-	2:05 PM	2:15 AM	
70	RSI	Front Loader	1220	2:16 PM	2:40 PM	
71	RSI	Front Loader	-	2:25 PM	2:40 PM	
72	Convention Services	Transfer Trailer	-	2:25 PM	N/A	Not observed to depart
73	City of Bloomington	Rear Loader	-	2:15 PM	2:39 PM	
74	Convention Services	Transfer Trailer	-	2:42 PM	N/A	Not observed to depart

ATTACHMENT 1-B

LETTERS OF SUPPORT

CONTRACTOR'S DISPOSAL INC.
"Your first class roll-off dumpster company"
241 N. White Oak Road, Normal, Illinois 61761
(309) 451-3867

Apr 5, 2023

Dear Mr. McIntyre,

As a fellow small business owner in McLean County, I have been doing business with Tom Kirk at Henson Disposal for the past several years. It is good to see another small business doing its best to achieve growth and diversification in its business in order to compete with the larger national companies in its market.

A second transfer station in McLean county, which is the largest county in the state is preferable to having only one Transfer station as is now the case. The McLean County Solid Waste Management Plan calls for multiple transfer stations in McLean County, and this is what Henson Disposal is trying to provide.

The addition of a second transfer station in McLean County will include a host for fee every ton of waste processed, which will add significant fee income for McLean County. A second transfer station will also lead to shorter travel distances, wait time, and fuel consumption for the haulers.

Therefore, I fully support the Henson Disposal application for a second Transfer Station, and I encourage the McLean County Board to approve the application.

Please do not hesitate to contact me at: (309)451-3867, should you have any additional questions or concerns.

Sincerely,

Jason J. Heitz, President
Contractor's Disposal Inc.

Mr. John McIntyre, Chairman

McLean County Board

March 27, 2023

Dear Mr. McIntyre:

As a fellow small business owner in McLean County, I have been doing business with Henson Disposal for the past several years. It is good to see another small local company doing its best to achieve growth in its business to compete with the national companies in its market.

The McLean County Solid Waste Management Plan calls for multiple Transfer Stations in McLean County, and that is what Henson Disposal is trying to provide. The addition of a second Transfer Station in McLean County will include a host for fee every ton of waste processed, which will add significant fee income for McLean County.

Therefore, I fully support the Henson Disposal application for a second Transfer Station, and I encourage the McLean County Board to approve the application.

Sincerely,

PRESIDENT
DUMPSTER DANS ROLL OFF
THOMPSON EQUIPMENT

Gmail **Rob Fazzini <robert.fazzini@gmail.com>**

Waste Transfer Station

1 message

zander@speednet.com <zander@speednet.com> Mon, Sep 5, 2022 at 11:51 AM
To: jdmacin@aol.com
Cc: robert.fazzini@gmail.com

Solid Waste Transfer Station

September 5, 2022

John McIntyre, McLean County Board Chairman

Chairman McIntyre,

Having visited the Henson Disposal facility on several occasions, I have been impressed by their continuing efforts to improve the recycling environment for McLean County. Their longstanding dedication to local labor and area events is notable and should be recognized when considering advancements in the increasing need for waste disposal efficiencies.

I believe supporting the Henson application for a Solid Waste Transfer Station will result in increased revenue for the county, while creating a more competitive financial environment for the transportation system. An additional Transfer Station will also provide greater capacity for an ever increasing load on our waste system.

Thank you for your consideration.

Respectfully submitted,

Craig Alexander
7218 N 400 East Road
McLean, Il 61754
Email – zander@speednet.com

To: John McIntyre, McLean County Board Chairman

Re: Henson Disposal Solid Waste Transfer Station Letter of Support

Dear Mr. McIntyre and McLean County Board Members,

I would like to express my support of Henson Disposal's application for a Solid Waste Transfer Station. Having a new transfer station in the County will promote healthy competition among transfer stations in the area, benefitting all the businesses that frequent them, while also generating additional revenue for the County through host fees. Being centrally located in Bloomington, Henson Disposal's transfer station would help provide waste haulers with shorter travel times and reduced fuel emissions.

Henson Disposal is a locally owned company that will continue to invest in its community and create jobs for years to come. I hope you will vote to approve their Solid Waste Transfer Station Application.

Best Regards,

/s/ Larry Apfelbaum

Larry Apfelbaum
14077 Lara Trace
Bloomington, Illinois 61705
309-824-0253

Jason A. Barickman
State Senator

3004 G.E. Road, Suite 1B
Bloomington, IL 61704
309/661-2788

309L State Capitol
Springfield, IL 62706
217/782-6597

E-mail: jason@jasonbarickman.org
Website: www.jasonbarickman.org

September 6, 2022

John McIntyre
Chairman
McLean County Board
115 E Washington St
Bloomington, IL 61701

Dear Chairman McIntyre:

As the Illinois State Senator for the 53rd District, I have had the opportunity to tour the Henson Disposal recycle facility. To observe the actual recycling of waste material that gets to be reused rather than sent to a landfill was engaging and instructive.

I support the Henson Disposal, Inc. Site Application for a Solid Waste Transfer Station for a variety of reasons. First, increased competition will lead to more beneficial waste disposal fees for the haulers disposing of waste materials. Additionally, a second Transfer Station would require a Host Agreement that would provide additional host fee income to McLean County.

This Transfer Station will help boost local business and provide additional resources to McLean County. I urge you to support the application.

Sincerely,

Jason A. Barickman
State Senator

SOYBEAN INKS

To: John McIntyre, McLean County Board Chairman

From: Joe Bierbaum, Bierbaum Landscaping

Re: Henson Disposal Solid Waste Transfer Station Letter of Support

Dear Mr. McIntyre,

I would like to express my support of Henson Disposal's application for a Solid Waste Transfer Station.

I own property bordering the proposed transfer station and am also a fellow small business owner in the community. Henson Disposal has always been a considerate neighbor that is open and easy to communicate with. The proposed transfer station would benefit the County as well as support the growth of a local business.

It is my hope the County will vote in favor of approving Henson Disposal's application for a Solid Waste Transfer Station.

Sincerely,

(Owner Joe Bierbaum) 9-26-22

Joe Bierbaum

Gmail **Rob Fazzini <robert.fazzini@gmail.com>**

Fwd: Henson Disposal Solid Waste Transfer Station Letter of Support

1 message

Scott Black <scottblack428@gmail.com> Fri, Sep 2, 2022 at 1:48 PM
To: Robert Fazzini <robert.fazzini@gmail.com>

Sent!

---------- Forwarded message ---------
From: **Scott Black** <scottblack428@gmail.com>
Date: Fri, Sep 2, 2022 at 1:48 PM
Subject: Henson Disposal Solid Waste Transfer Station Letter of Support
To: <john.mcintyre@mcleancountyil.gov>

To: John McIntyre, McLean County Board Chairman

Re: Henson Disposal Solid Waste Transfer Station Letter of Support

Dear Mr. McIntyre and McLean County Board Members,

I am supporting Henson Disposal's application for a Solid Waste Transfer Station. I have visited Henson Disposal and saw their operations firsthand. Henson Disposal is a local company that will continue to invest in our community and create jobs for years to come.

Being centrally located in Bloomington, the transformation transfer station would help provide waste haulers with shorter travel times and reduced fuel emissions. Additionally, a new transfer station in the County encourages free market competition among transfer stations in the area – not to mention the additional revenue for the County through host fees.

I hope the Board will vote to approve their Solid Waste Transfer Station Application.

Best Regards,
Scott Black

Gmail **Rob Fazzini <robert.fazzini@gmail.com>**

Henson Disposal Transfer Station Application.

1 message

Luke Boward <straightsix340@gmail.com> Tue, Sep 6, 2022 at 8:06 AM
To: jdmcin@aol.com
Cc: Rob Fazzini <robert.fazzini@gmail.com>

Mr. John McIntyre, Chairman
McLean County Board

My brother, Levi, and I support the Henson Disposal Transfer Station application as local small business owners. We appreciate that a local small business needs to be innovative in its efforts to grow and diversify in the face of competition from larger companies.

The Henson Disposal Transfer Station application, in addition to adding competition to the sole current Transfer Station in McLean County, would add a new source of significant income in the form of a Host Fee for McLean County.

Our company, Boward Brothers Farm & Excavating, currently does business with Henson Disposal, and we are impressed with the amount of waste material that is recycled instead of going directly to the landfill.

Sincerely,

Luke Boward
Co Owner
Boward Brothers Farm &
Excavating, LLC

Lewis, Yockey & Brown, Inc.
Consulting Engineers & Land Surveyors

October 20, 2022

McLean County Law & Justice Center
104 W. Front Street
Bloomington, IL 61701

ATTN: John McIntyre, McLean County Board Chairman

Re: Henson Disposal Solid Waste
Transfer Station Letter of Support

Dear Mr. McIntyre and McLean County Board Members:

Lewis, Yockey & Brown, Inc. expresses its support of Henson Disposal's application for a Solid Waste Transfer Station. A new transfer station in the County will promote healthy competition among transfer stations in the area, benefitting all the users that frequent them, while also generating additional revenue for the County through host fees. Being centrally located in Bloomington, Henson Disposal's transfer station would also aid in providing waste haulers with shorter travel times and therefore reduced fossil fuel consumption and fuel emissions.

Henson Disposal is a locally owned company that will continue to invest in its community and create jobs for years to come. Your vote and the vote of the McLean County Board to approve their Solid Waste Transfer Station Application supports the McLean County Solid Waste Management Plan and benefits our local economy.

Very Truly Yours,
Lewis, Yockey & Brown, Inc.

David P. Brown
President

DPB:kk

505 North Main Street *Bloomington, Illinois 61701* *Phone: (309) 829-2552*
www.lybinc.com

To: John McIntyre, McLean County Board Chairman 9-6-22

Re: Henson Disposal Solid Waste Transfer Station Letter of Support

Dear Mr. McIntyre and McLean County Board Members,

I would like to express my support of Henson Disposal's application for a Solid Waste Transfer Station. Having a new transfer station in the County will promote healthy competition among transfer stations in the area, benefitting all the businesses that frequent them, while also generating additional revenue for the County through host fees. Being centrally located in Bloomington, Henson Disposal's transfer station would help provide waste haulers with shorter travel times and reduced fuel emissions.

Henson Disposal is a locally owned company that will continue to invest in its community and create jobs for years to come. I hope you will vote to approve their Solid Waste Transfer Station Application.

Best Regards,

Chris Buettner, CPA

PEOPLELINK
STAFFING SOLUTIONS
A PEOPLELINK GROUP COMPANY

September 2, 2022

To: John McIntyre, McLean County Board Chairman

Re: Henson Disposal Solid Waste Transfer Station Letter of Support

Dear Mr. McIntyre and McLean County Board Members,

I would like to express my support of Henson Disposal's application for a Solid Waste Transfer Station. Having a new transfer station in the County will promote healthy competition among transfer stations in the area, benefitting all the businesses that frequent them, while also generating additional revenue for the County through host fees. Being centrally located in Bloomington, Henson Disposal's transfer station would help provide waste haulers with shorter travel times and reduced fuel emissions.

Henson Disposal is a locally owned company that will continue to invest in its community and create jobs for years to come. I hope you will vote to approve their Solid Waste Transfer Station Application.

Best Regards,

Lisa Cornejo

Lisa Cornejo
Branch Manager | Bloomington/Peoria
o: 309.820.0127 | f: 309.829.2918 | c: 309.660.8963
lcornejo@peoplelinkstaffing.com | www.peoplelinkstaffing.com

StraightUp SOLAR

September 7, 2022

McLean County Law & Justice Center
104 W. Front Street
Bloomington, IL 61701

ATTN: John McIntyre, McLean County Board Chairman

Re: Henson Disposal Solid Waste
Transfer Station Letter of Support

Dear Mr. McIntyre and McLean County Board Members:

StraightUp Solar is supportive of Henson Disposal's application for a Solid Waste Transfer Station. As a business that supports more renewable energy and a healthier environment for all, StraightUp Solar supports the recycling volume provided by Henson Disposal and which will be increased with the new transfer station in the County. Being centrally located in Bloomington, Henson Disposal's transfer station would also aid in providing waste haulers with shorter travel times and therefore reduced fossil fuel consumption and fuel emissions.

Henson Disposal is a locally owned company that will continue to invest in its community and create jobs for years to come. Your vote and the vote of the McLean County Board to approve their Solid Waste Transfer Station Application benefits our local economy and environment.

Sincerely,

Shannon Fulton
VP of Development
StraightUp Solar
505 N. Main Street, Suite A
Bloomington, IL 61701
309-830-5039

Jerry

Sent from Mail for Windows

Subject: Henson Disposal

Good afternoon, John

My name is Jerry Gilbert. I have lived at 122 Hawthorne Lake Dr. for the past 9 years. I am a life long resident of Bloomington – Normal except for my time in the military.

My neighbor and good friend, Rob Fazzini asked if I would write a letter to you in support of Henson Disposal being a transfer station for waste products. I have actually had a tour to witness how much waste that comes in to this facility. If you have not been there, you should go. It is very impressive. The wait time for truckers was minimal and the system they have is place seems to work great. I am also amazed at the amount of "stuff' that is actually recycled.

I am pretty sure that we only have one facility to dump waste at present and it is on the far West side of Bloomington. With another facility being centrally located on the South-central side of town, this should make it much more efficient for haulers, which in turn, saves costs and saves considerable fuel over time. This is a local company with local ties. Let's keep our money in the community.

If you vote in favor of this idea, you can count my vote as a yes.

Thanks for listening!

Jerry Gilbert

SUNRISE SHUTTERS AND BLINDS

122 Hawthorne Lake Dr.

Bloomington, IL. 61704

309-663-5126

sunriseshuttersandblinds@gmail.com

---

custombrandsgroup/customerservice/gmail.com <sunriseshuttersandblinds@gmail.com>
To: Rob Fazzini <robert.fazzini@gmail.com>

Wed, Sep 7, 2022 at 4:04 PM

Sent from Mail for Windows

[Quoted text hidden]

CITY OF Bloomington ILLINOIS

Office of the City Manager
Tim Gleason
City Manager

12/13/2022

To Whom It May Concern,

I am writing this letter on behalf of the Henson Disposal Transfer Station application. I share a perspective that is unique and aligns with the employment efforts of Henson Disposal.

Prior to my ten years serving as a city manager in three communities, I was the CEO of Illinois Correctional Industries for two and a half years. This is a division within the Illinois Department of Corrections that employs inmates to expand work experience and create a work ethic with the goal of reducing recidivism. Securing employment is a major challenge that exists for inmates upon release, and Henson Disposal provides opportunities to assist in this area. Any growth to Henson Disposal expands these opportunities, which is a good thing.

Respectfully Shared,

Tim Gleason
City Manager

115 E Washington
PO Box 3157
Bloomington, Illinois 61701-3157
tgleason@cityblm.org

Phone: (309) 434-2210
TTY (309) 829-5115

Mr. John McIntyre, Chairman

October 17, 2022

McLean County Board

Dear Mr. McIntyre:

As a fellow small business owner in McLean County, I have been doing business with Henson Disposal for the past ten years or so. My business, Henson Services, actually rents space on the Henson Disposal property to perform some of its services.

Based on the Henson Disposal efforts to diversify the services it provides to the local community and aid in its growth goals, it is applying for a Transfer Station license. I fully support its application for a Transfer Station and encourage the McLean County Board to approve the application.

The addition of a second Transfer Station in McLean County will include a host fee for every ton of waste processed, which will add significant fee income for McLean County. A second Transfer Station will lead to shorter travel distances, wait times and fuel consumption for haulers saving them and their customers money.

Sincerely,

Pat Henson, Owner

Henson Services

Gmail **Rob Fazzini <robert.fazzini@gmail.com>**

Support Henson Disposal for Solid Waste Transfer Station

1 message

Ian Goldsmith <iangoldsmith1729@gmail.com> Sun, Sep 11, 2022 at 12:31 PM
To: jdmcin@aol.com
Cc: robert.fazzini@gmail.com

Mr. McIntyre,

I am writing in support of Henson Disposal's site application for a Solid Waste Transfer Station. Henson is a locally-owned and responsibly-managed company that supports our community. I have toured Henson's disposal recycling facility, and I am impressed with its ability to sort and recycle the waste material to keep it out of landfills.

Designating Henson Disposal as a solid waste transfer station will bring host fee revenue to the county. A Henson Disposal Solid Waste Transfer Station could also result in lower waste disposal fees for haulers, since there would be more competition in the local waste disposal market. The haulers would have more choices and less wait time than currently, further lowering their costs.

-Ian Goldsmith
804 Old Farm Road
Bloomington, IL 61704
309-661-3409
langoldsmith1729@gmail.com

To: John McIntyre, McLean County Board Chairman

From: Roanoke Concrete Products

Re: Henson Disposal Solid Waste Transfer Station Letter of Support

Mr. McIntyre and McLean County Board Members,

My company, Roanoke Concrete Products, has leased property on Tri Lakes Road for our Bloomington concrete plant from 2009 to the present. During that time, we have had a positive working relationship with Henson Disposal.

I am pleased to provide a letter of support in favor of Henson's application for a proposed Solid Waste Transfer Station. The proposed transfer station would benefit local waste haulers and businesses by providing shorter travel times and reduced fuel emissions for some companies.

I hope the McLean County Board will support the growth of local business by approving the Henson Disposal application for a Solid Waste Transfer Station.

Best Regards,

Roanoke Concrete

9-23-22

Gmail **Rob Fazzini <robert.fazzini@gmail.com>**

Henson Disposal

1 message

Robert Johnson <buzzjohnson13@gmail.com> Wed, Sep 7, 2022 at 4:06 PM
To: jdmacin@aol.com
Cc: Rob Fazzini <robert.fazzini@gmail.com>

Chairman,

I want to voice my support for a 2nd transfer station.

Their business is locally owned and operated, which in my opinion is critical. We need these local businesses to be given the same opportunity as large corporations.

Obviously, the recycling process is very important to our community and the future.

Please respectfully consider a 2nd transfer station for our community.

Thank you,

Robert Johnson

Sent from my iPad

Gmail

Rob Fazzini <robert.fazzini@gmail.com>

Henson Disposal, Inc Site Application for Solid Waste Transfer Station

1 message

Steven Johnson <extexinc@me.com> Fri, Oct 14, 2022 at 4:58 PM
To: jdmacin@aol.com
Cc: Robert Fazzini <robert.fazzini@gmail.com>, TOM KIRK <tomkirk13@yahoo.com>

October 14, 2022

> John McIntyre
> McLean County Board Chairman
>
> Dear Mr. McIntyre,
>
> I retired from chemical engineering research after more than 25 years as a primary researcher in the fields of energy and biotechnology. Over the past few years, I have consulted on projects for various small companies, including Henson Disposal, Inc. I am familiar with the Henson Disposal recycle facility and the increases in capacity and efficiency instituted by the Henson management.
>
> I strongly support the Henson Disposal, Inc. Site Application for Solid Waste Transfer Station for a number of reasons. The transfer station would be an economic benefit to McLean County through the host fees collected and to area businesses in lower costs to users due to increased competition. There will be shorter travel distances, wait times, and fuel consumption for haulers saving them and their customers money. Reduced fuel use will result in less emissions as an added benefit of the additional solid waste transfer station.
>
> Clearly, the presence on only one facility does not serve the local area well since users have no good alternative, even in an emergency. The Henson Disposal transfer station will provide that alternative. I believe Henson Disposal has demonstrated a commitment to serving Bloomington-Normal and McLean County through the establishment of and continued improvements to the recycle facility. Henson Disposal, Inc. is exactly the type of local business that should be encouraged in McLean County.
>
> Steven Johnson, PhD
>
> 104 Eisenhower Dr #7
> Bloomington, I'll. 61701
> (309) 663-5217
> extexinc@me.com
>
> Sent from my iPad

Town of
Normal

Office of the Mayor

September 2, 2022

John McIntyre, McLean County Board Chairman
115 East Washington Street
Bloomington, IL 61701

Dear Chairman McIntyre:

On behalf of the Town of Normal, please accept this letter as expression of support for Henson Disposal's application for a solid waste transfer station.

As Mayor, I had the opportunity to tour the Henson Disposal recycle facility. To observe the recycling process of waste material to be reused rather than sent to a landfill was informative.

If an additional transfer station is permitted, a host agreement could provide additional host fee income, so I ask McLean County to give this application thorough and favorable consideration.

Thank you for your attention.

Sincerely,

Chris Koos

Mayor

BRIAN PEDDLE
General

COMMISSIONER F. BRADFORD BAILEY
Territorial Commander

LT COLONEL LONNEAL RICHARDSON
Divisional Commander

The Salvation Army
Founded in 1865 by William & Catherine Booth
Majors F. Daniel & Laura Leisher – Corps Officers
Lieutenant Katherine Reid – Assistant Corps Officer
611 W. Washington Street – Bloomington IL 61701
Phone (309) 829-9476 / Fax (309) 827-8997
www.sabloomington.org

11-4-22

Dear Mr. McIntyre and McLean County Board Members,

The Henson Disposal recycling facility along with the efforts of its employee's sort and capture and incredible amount of recyclable waste material that would otherwise be sent to the landfill.

Henson Disposal is a locally owned company that continues to invest in its community and create jobs in this area. We know firsthand that this locally owned company invests in community. Henson Disposal has purchased, prepared, and served dinner meals at The Salvation Army Safe Harbor Homeless Shelter every month for many, many years. We could not maintain all our services to the community without volunteers like Henson Disposal.

It is good to see a small local company doing its best to achieve growth and diversification in its business to compete with larger companies within the waste management field.

Sincerely,

Major Dan Leisher

BUSINESS BUILDERS MARKETING®

September 12, 2022

RE: Site Application for Solid Waste Transfer Station

Dear Mr. McIntyre,

As a local business owner, I have had the opportunity to tour Henson Disposal and see valuable impact of their work. I support the Henson Disposal, Inc. Site Application for a Solid Waste Transfer Station.

A second transfer station would require a Host Agreement that would provide additional host fee income to Mclean County. This would seem wise, give current economic challenges faced within the community. Should you have any questions, please feel free to contact me.

Respectfully Submitted,

Jennifer McCarron

Jennifer McCarron, President
Business Builders Marketing

309·827·7977
201 N Prospect Rd, Suite 3
Bloomington, IL 61704

BusinessBuildersMarketing.com

BRADFORD
SUPPLY COMPANY

POST OFFICE BOX 246 ROBINSON, ILLINOIS 62454
TELEPHONE: (618) 544-3171
FAX: (618) 546-0181
www.bradfordsupplycompany.com

McLean County Board Chairman
John McIntyre
jdmcin@aol.com

Re: Henson Disposal, Inc.
Site Application for Solid Waste Transfer Station

Bradford Supply Company is a business neighbor to the Henson Disposal Recycle facility. Henson has been a good business neighbor to work with. They have been very cooperative and conscientious about the effect on surrounding neighbors. Bradford Supply Company is in support of the Solid Waste Transfer Station for Henson as they continue to grow in their business development and promote opportunities for employment and the county.

Sincerely,

David McDaniel

David McDaniel
Exec. Vice President
Bradford Supply Company

Gmail

Rob Fazzini <robert.fazzini@gmail.com>

Transfer Station Henson Disposal

1 message

Christopher Miller <millerchris75@gmail.com> Fri, Dec 9, 2022 at 11:33 AM
To: jdmcin@aol.com
Cc: robert.fazzini@gmail.com

Attention John McIntyre and McLean County Board,
I would like to state my support for a second transfer station at Henson Disposal. Having Henson Disposal as a second transfer station makes a lot of sense for all of us in the community. First, it will allow for greater recapturing of resources out of our waste stream. Second, the addition of the transfer station at Henson is called for in the comprehensive McLean County Solid Waste Transfer Management Plan. We should follow the guidance that the plan calls for. Third, it will allow for competition that should help lower costs for the residents of McLean County. Fourth, Henson Disposal's agreement calls for additional revenue to Mclean County. I believe that all of these factors will be a net positive for us, residents of McLean County. Thank you. Chris Miller

Chris MIller
129 Fincham Way, Towanda, IL 61776

--
Christopher Miller
N9RKD
Heartland Community College
Instructor

McLEAN COUNTY
CHAMBER of COMMERCE

September 12, 2022

Mr. John McIntyre, Chairman
McLean County Board
115 E. Washington Street
Bloomington, IL 61701

Dear Chairman McIntyre,

On behalf of the McLean County Chamber of Commerce, it is with pleasure that I provide this letter of support on behalf of Henson Disposal, Inc.

I have recently had the opportunity to tour the Henson Disposal recycle facility. From my time on-site and visiting with Mr. Tom Kirk, I understand the positive impact their business provides by recycling materials that would otherwise go to the landfill. I also understand that the proposed host agreement submitted by for the transfer station would provide a new source of revenue to McLean County in the form of the host fee.

It is always our pleasure to support our members and the growth and success of local small business. In this case, we're pleased to support Henson Disposal and their efforts to continue to grow and diversify their services and their application for a new transfer station.

Very best regards,

Charles M. Moore
President & CEO

2203 E. EMPIRE STREET
BLOOMINGTON, IL 61704
309.829.6344 • FAX 309.827.3940

WWW.MCLEANCOCHAMBER.ORG

September 10, 2022

Mark R. Peterson
15130 E 2500 North Road
Hudson, IL 61748
Mrpeterson58@gmail.com
(309) 825-5091

The Honorable John McIntyre
Chairman
McLean County Board
115 E. Washington Street
Bloomington, IL 61701

RE: Henson Disposal Solid Waste Transfer Station Site Application

Dear Chairman McIntyre:

I am writing this letter in support of the site application submitted by Henson Disposal for a Solid Waste Transfer Station planned for McLean County, Illinois. I urge you and your follow Board Members to approve the application. An additional solid waste transfer facility will benefit all McLean County residents by enhancing competition among solid waste management companies which will likely resulting in lower solid waste disposal costs for many of our County's residents and businesses.

As a former City Manager of the Town of Normal, and a former member of the McLean County Solid Waste Policy Committee, I am acutely aware of the solid waste disposal challenges that face the residents and businesses of McLean County. Creating additional options for solid waste disposal is clearly in the public interest.

Thank you for your careful consideration of this very important solid waste transfer station siting application.

Respectfully submitted,

Mark R. Peterson

Mark R. Peterson

September 7, 2022

Honorable John McIntyre
McLean County Board Chairman
115 E. Washington Street
Bloomington, IL 61701

Dear Chairman McIntyre and Board:

As a former Bloomington Mayor, I have had the opportunity to tour the Henson Disposal recycle facility on many occasions. Observing the recycling of waste material into usable form, rather than going to a landfill, was very informative.

I strongly support the Henson Disposal, Inc. site application for the Solid Waste Transfer Station because a second location would result in a shorter time for the haulers at transfer stations since there would be shared volume. The Henson Transfer station would also provide haulers an emergency or temporary source in an emergency situation. Another positive outcome is that a second transfer station would require a Host Agreement resulting in additional host fee income to McLean County.

Thank you for your consideration of this important project.

Sincerely,

Tari Renner
Former Mayor
City of Bloomington

Gmail **Rob Fazzini <robert.fazzini@gmail.com>**

Henson Disposal

1 message

Douglas Roesch <Douglas.Roesch@mortonbank.com> Tue, Sep 6, 2022 at 12:21 PM
To: "john.mcintyre@mcleancountyil.gov" <john.mcintyre@mcleancountyil.gov>
Cc: Rob Fazzini <robert.fazzini@gmail.com>

Good Morning John

Just a quick note regarding the Henson Disposal Transfer Station. I feel this is a great opportunity for Henson Disposal and the surrounding area. This appears to be a win – win!! Henson Disposal creates profitable growth and diversification while creating new sources of revenue for the city and county. I believe this would be the only Transfer Station in the county and would create alternatives for area haulers. OTHER

Have a good week !!

Thank you

Doug

Douglas Roesch
Senior Vice President
Senior Commercial Banker

Bloomington-Normal Community Bank
A Division of Morton Community Bank
2807 East Empire Street
Bloomington, IL 61704
Office: (309) 681-3860
Cell: (309) 824-5739

6 September 2022

The Honorable John McIntyre
Chairman, McLean County Board

Dear Chairman McIntyre,

I write in support of the Henson site application for the solid waste transfer station in our county. A few years ago, in my role as alderman for the City of Bloomington, I had the opportunity to visit the Henson recycling facility, and I observed first-hand the recycling work this company manages. I was impressed then by the efficiency of the operation and since that time have learned more about their positive role in our solid waste plan.

Henson has both the capacity and knowledge to fulfill all the responsibilities and expectations detailed in the application. They are well-equipped to meet the requirements of McLean County's Solid Waste Management Plan, and willing to think creatively about approaches to solid waste management in the future. This will be a strong addition to our long-range environmental strategy, decreasing travel time for hauling and increasing competition, while continuing to remove recyclables from our landfill.

Thank you for your consideration.

Sincerely,

Karen Schmidt

Karen Schmidt
409 E. Grove St.
Bloomington, IL 61701
309-824-2257
karen61701@gmail.com

Letter of Support
Henson Disposal, Inc.
Site Application for Solid Waste Transfer Station

9-5-22

To: John McIntyre, McLean County Board Chairman

Dear Mr. McIntyre:
As a local business owner, I have had the opportunity to tour the Henson Disposal recycle facility. To actually observe the recycling of waste material that is reused as opposed to being sent to a landfill was amazing to me. I have a whole new appreciation for recycling.

I fully support the Henson Disposal, Inc. Site Application for a Solid Waste Transfer Station for many reasons. First, a second Transfer Station would require a Host Agreement that would provide additional host fee income to McLean County. Second, increased competition would lead to more beneficial waste disposal fees for the haulers disposing of waste materials. Third, the Henson Transfer Station would provide haulers an emergency or temporary source in an emergency situation. Last, having witnessed the amount of recycle that passes through Henson's, it is clear to me that a Solid Waste Transfer Station would benefit the entire area.

Respectfully submitted,

Barb Smith
Find My Team, LLC
1900 E. College Ave, #102
Normal, IL 60761
612-351-0052
barb@findmyteam.com

SNYDER INSURANCE | ASCEND BENEFITS

Snyder & Snyder Agency, Inc.
#1 Brickyard Dr.
Bloomington, IL 61701
309-664-1800
www.insurewithsnyder.com

To: John Mcintyre, Mclean County Board Chairman
Re: Henson Disposal Solid Waste Transfer Station Letter of Support

September 6, 2022

Dear Mr. Mcintyre and Mclean County Board Members,

The Mclean County Solid waste Management Plan states that "the establishment of additional waste transfer stations could have economic benefits including increased competition therefore more beneficial waste disposal rates or the possibility of new host agreements providing host fees as a new revenue source."

Therefore, we support the Henson Disposal, Inc. site application for a solid waste transfer station for the reasons enumerated in the Mclean County solid waste management plan plus the following reasons:

1. Shorter wait times at the transfer stations as there will be shared volume.
2. Shorter travel time and reduced fuel emissions for some waste haulers located near downtown Bloomington.
3. Local alternatives to waste haulers during any emergency or temporary closure of the currently only transfer station in Mclean County.

It should be noted that local competition is preferable in the face of the national trend of the exceptionally large waste companies to consolidate ownership of landfills, garbage hauling and transfer stations leading to monopoly situations that do not benefit local economies.

Respectfully submitted,

Brian Soule
Account Executive
Snyder Insurance Agency
1 Brickyard Drive, Bloomington, IL 61701
brian.soule@insurewithsnyder.com
309-275-9987

Gmail **Rob Fazzini <robert.fazzini@gmail.com>**

Henson Disposal Inc. Solid Waste Transfer Station application

1 message

Steve Timmermann <stimmermann@bankofpontiac.com>
To: "jdmacin@aol.com" <jdmacin@aol.com>

Fri, Sep 2, 2022 at 10:17 AM

Dear Chairman McIntyre,

I have seen Henson Disposal grow from a single truck operation (I was a very early customer) to a major recycling and waste hauler in Central Illinois. I have also had the privilege of seeing their growth and commitment to our community over the years. The investment they have made in our county for recycling is incredible, there is nothing else like it in Central Illinois. I have been to the recycling center many times to see improvements they continue to make. We are very fortunate to have this in our community.

The benefits of adding a Solid Waste Transfer Station are many, but eliminating a monopoly has to be one of the top reasons. The competition a second transfer station adds, truly benefits nearly everyone in our county. Given Henson's track record and commitment to recycling, this makes for good policy in our county.

I think we are very fortunate to have a local company willing to make this investment in our community. John, as you know, waste hauling is not a headline issue until one of two things happen-waste isn't picked up or costs sky rocket and then it appears on everyone's radar. I see this as an opportunity to improve our community and keep a vital service functioning properly from a cost and environmental prospective. Thank you for your consideration and service to the people of McLean County.

Steve Timmermann

Vice President

MLO Identifier # 498696

309.663.6200 voice

309.663.2880 fax

www.bankofpontiac.com

Bank of Pontiac

Together We're Better!

4001 G.E. Road

Bloomington, IL 61704

Gmail

Rob Fazzini <robert.fazzini@gmail.com>

Support for Henson Disposal Transfer Station Application

1 message

Yahoo <mulchin_man@yahoo.com> Tue, Oct 4, 2022 at 8:11 AM
To: "john.mcintyre@mcleancountyil.gov" <john.mcintyre@mcleancountyil.gov>
Cc: Rob Fazzini <robert.fazzini@gmail.com>

Dear Chairman McIntyre,

As a local small business owner and owner of Twin City Wood Recycling, I am familiar with the Henson Disposal recycling operation and have been for many years. The reputation of Henson Disposal is enhanced by its honor of being named the Green Excellency Award winner from the McLean County Chamber of Commerce.

I strongly recommend that the McLean County Board approve the Henson Disposal application for a second Transfer Station, which should lead to more beneficial fees for haulers disposing of waste materials as well as shorter wait times at the Transfer Station.

Please feel free to contact me with questions at 309.275.2854

Sincerely,

John Wollrab
Owner, Twin City Wood Recycling
1606 W. Oakland Ave.
Bloomington, IL 61701

ATTACHMENT 1-C

HENSON DISPOSAL HOST AGREEMENT MCCLEAN COUNTY

HOST COMMUNITY AGREEMENT

This Host Community Agreement is made this 10th day of November, 2022 by and between Henson Disposal, LLC., an Illinois Limited Liability Company (the "Company"), and McLean County, Illinois, McLean County.

WITNESSETH:

WHEREAS, the Company desires to file with McLean County, Illinois ("County") its request for siting approval to construct and operate a transfer facility (the "Transfer Facility") on some or all of the property that is legally described in Exhibit A (the "Subject Property"), which is attached hereto and made a part hereof; and

WHEREAS, the Company desires to provide certain benefits to County with respect to the Transfer Facility if the Transfer Facility obtains all required approvals and satisfies all conditions precedent set forth herein; and

WHEREAS, if County grants siting approval for the Transfer Facility, the Illinois Environmental Protection Agency issues appropriate and necessary permits for the development and operation of the Transfer Facility on the Subject Property, and the Transfer Facility is constructed, commences operations, and receives waste, then the Company is willing to afford certain benefits as set forth herein to County; and

WHEREAS, County generally favors (in concept), as indicated in the current McLean County Solid Waste Management Plan, properly designed and operated Transfer Facilities, which can be of great benefit and can facilitate and enhance the clean, efficient, lawful, convenient and economical movement of municipal waste and recyclables from homes, businesses and industries; and

WHEREAS, all words used in this Agreement, which are not defined herein, but are defined in the Act and its corresponding regulations, shall have the same definitions and meanings as found in the Act and its corresponding regulations in effect on the date of this Agreement.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, County and the Company agree as follows:

1. INCORPORATION OF RECITALS

That the foregoing recitals are material to this Agreement and are hereby incorporated and made a part of this Agreement as if they were fully set forth herein.

2. DEFINITIONS

"Act" means the Illinois Environmental Protection Act, 415 ILCS 5/1 *et seq.*

"Agreement" means this Host Community Agreement.

"Anniversary Date" means the date that Municipal Waste or Recyclables are first received at the Transfer Facility.

"Application" means the Company's Application for siting approval for the Transfer Facility *pursuant* to Section 5/39.2 of the Act.

"Authorized Waste" means Municipal Waste, Landscape Waste and Recyclables as defined by Section 2 of this Agreement.

"Company" means Henson Disposal, LLC. an Illinois Limited Liability Company authorized to do business in Illinois.

"Host Benefit Fee" or "Host Fee" means the per ton fee payable to McLean County, commencing on the Anniversary Date, as more fully set forth in Section 5 herein.

"Host Benefit Fee Adjustment" means the upward adjustment of the Host Benefit Fee, as set forth in Section 5(e).

"Landscape Waste" means landscape waste as defined in Section 5/3.270 of the Act.

"Municipal Waste" means garbage, general household and commercial waste, industrial lunchroom or office waste, landscape waste, construction or demolition debris, in accordance with Section 5/3.290 of the Act. Further, the term municipal waste does not include any: 1) hazardous substance, as defined by Section 5/3.215 of the Act, 2) hazardous waste, as defined by Section 5/3.220 of the Act, 3) industrial process waste, as defined by Section 5/3.235 of the Act, 4) pollution control waste, as defined by Section 5/3.335 of the Act, 5) sludge, as defined by Section 5/3.465 of the Act, and 6) special waste, as defined by Section 5/3.475 of the Act. Municipal Waste includes non-hazardous industrial wastes.

"Operating Year" means the year commencing on the Anniversary Date.

"Parties" means McLean County ("County") and Company.

"Recyclables" means any material, which would otherwise be disposed or discarded, which is separated from Municipal Waste at the source of generation or at the Transfer Facility, so as to render it useable in a process, or alone, such that it can be returned to the economic mainstream in the form of raw materials or products.

"Subject Property" means the site described and shown in Exhibit A and B. "

County" shall mean McLean County, Illinois, a unit of local government.

"Transfer Facility" means "transfer station" as defined by Section 5/3.500 of the Act, including the property on which the transfer station is located, which may include some or all of the property as described and shown in Exhibit A and B.

"Waste Subject to the Host Fee" means Municipal Waste, as defined herein, and any other material that is received by the Transfer Facility to the exclusion of only Landscape Waste and source-separated Recyclables collected curbside. Landscape Waste and source-separated Recyclables collected curbside shall be included within Waste Subject to the Host Fee if they are transported to a landfill or other disposal facility.

3. TERM OF AGREEMENT

This Agreement commences on the date of execution and shall remain in force and effect until the Transfer Facility ceases to operate. The Company agrees to exercise all commercially reasonable efforts to operate the Transfer Facility for a minimum of twenty (20) years. In addition, this Agreement will terminate if: (1) the Company elects (in writing) to cease its efforts to site a transfer station on the Subject Property, (2) the Company ceases to use all reasonable and timely efforts to site a transfer station on the Subject Property, or (3) the Company ceases to use all reasonable and timely efforts to commence operation of the transfer facility after (if ever) it receives final, non-appealable siting approval for the transfer facility.

4. AUTHORIZED WASTE

The Transfer Facility shall receive only waste that is acceptable pursuant to permit issued by the Illinois Environmental Protection Agency, which is anticipated to include Municipal Waste, Landscape Waste, and Recyclables ("Authorized Waste"). The Transfer Facility shall not knowingly receive any hazardous substance or hazardous waste, as those terms are defined in the Act. If any waste, other than Authorized Waste, is received at the Transfer Facility, it shall be promptly removed from the waste stream and transferred to an appropriate facility to be legally recycled or disposed of within an appropriate timeframe or placed back on the vehicle that transported said waste to the Transfer Facility. "Authorized Waste" as defined herein shall include Recyclables.

5. HOST BENEFIT FEE

a. Host Benefit Fee. The Company shall pay County a Host Benefit Fee ("Host Fee") based on each ton of Waste Subject to the Host Fee received by the Transfer Facility as defined herein. The Host Fee shall be calculated in accordance herewith. Such Host Fee shall be paid in lieu of any other solid waste surcharge or assessment otherwise allowed by county, state or federal law (including, but not limited to Section 22.15(j) of the Act) to be assessed against the Company or the Transfer Facility, but shall not preclude County from assessing and collecting (or attempting to assess and collect) any such fees or surcharges from the operator of a landfill in County to which such Waste is sent for disposal. County agrees that it will neither levy nor collect, or attempt to levy or collect any additional fees or taxes, or increase the amount of fees or taxes impacting the Company, the Company's property or any of the operations conducted thereon, provided, however, that the foregoing restriction on the levy and collection of any additional fees or taxes by County shall not apply to: (i) any fee or tax which is uniformly assessed upon all members of a class of taxpayers of which the Company is a member (other than a class of taxpayers based solely on ownership or operation of a waste transfer station or solid waste management facility), (ii) real estate taxes, (iii) ad valorem taxes similarly assessed on other property or operations, (iv) utility taxes (v) telecommunication taxes, (vi) any other fee or tax which the Company is obligated to pay pursuant to county, state, or federal law, or pursuant to the laws or regulations of any governmental entity with jurisdiction. If, despite the aforesaid, County levies, collects or attempts to levy or collect a fee or tax prohibited by this Agreement, the Company,

may (subject to McLean County's right to challenge the propriety of any such deduction/offset), elect to pay any such fee or tax, with written notice to County and deduct the amount thereof from any Host Benefit Fee payable to County pursuant to the terms and conditions of this Agreement.

b. Calculation. The Company shall pay directly to County a Host Fee of $1.00 on each ton of Waste except that on each ton of Construction and Demolition Debris (C&DD) the Company shall pay fifty cents ($.50) on each ton. Fifty percent (50%) of the Host Fee will be used by County to support organizations identified by the County that are involved in recycling or recycling education , including but not limited to the Ecology Action Center. The remainder of the Host Fee may be used by the County for purposes of its own as determined solely by County. The Host Fee shall be calculated and recorded daily. The Host Fee shall be calculated based on each ton of Waste Subject to the Host Fee received by the Transfer Facility. The Host Fee shall be paid to County quarterly for all Waste received during the quarter of each Operating Year. Each such quarter shall coincide with McLean County's fiscal year, which runs from January 1st of each year to January 1st of the following year.

c.

d. The Host Benefit Fee shall not apply to any Recyclables or Landscape Waste transferred through the Transfer Facility that do not fall within the meaning of Waste Subject to the Host Benefit Fee, or to any waste accepted from County at no charge to County pursuant hereto, where such material would otherwise fall within the definition of Waste Subject to the Host Benefit Fee. Any Host Benefit Fee paid to another community for Authorized Waste collected in that community shall be deducted from the Host Benefit fee due to County for that Authorized Waste.

e. The total Host Benefit Fee payable to the County shall reduce to $0.50 on each ton of Waste if and when the Subject Property is annexed into the City of Bloomington, these payments to commence when the Company is required to pay host fees to the City of Bloomington.

f. Host Benefit Fee Adjustment. The Host Benefit Fee shall be adjusted on an annual basis after the first three (3) years from the Anniversary Date of the Agreement by the percentage change during the previous calendar year in the Revised Consumer Price Index for All Items (Chicago-Gary-Kenosha) published by the United States Department of Labor Statistics, which shall not exceed three percent (3%) in any given calendar year. The Annual Host Benefit Fee adjustment shall be capped at three percent (3%) through the tenth (10^{th}) year from the Anniversary Date of this Agreement. Thereafter the Annual Host Benefit Fee adjustment shall be capped at five (5%) percent. However, if the percentage change and the CPI is negative, it shall be treated as being unchanged. Should, at any time, such calculation of the adjustment to the Host Benefit Fee become impossible, the parties shall negotiate in good faith to agree on an alternative method as close as reasonably possible in terms of results to that provided in this Agreement. County shall have the right to inspect, audit and contest any determination made by the Company that the Host Benefit Fee was not payable on any material transported from the Transfer Facility for disposal or other use at a landfill or other permanent disposal facility. County may dispute any payment statement submitted by the Company within five (5) years of receipt of such statement. In any such dispute, the Parties agree that if the Company has failed to maintain the records required under this Agreement, the Company shall carry the burden of proving that the Host Benefit Fee was not payable on said material. During the pendency of any dispute, the Company shall under any circumstances and in all events pay the undisputed portion of any such Host Benefit Fee.

g. Payment. The Host Benefit Fee shall be payable to County on a quarterly basis. Such quarterly payments shall be paid to County by the 30th day following the end of each quarter. Each

payment shall be accompanied by a report documenting the data and methodology used to determine the payment amount.

6. WEIGHING OF TRANSFER STATION RECEIPTS

For the purpose of calculating the Host Benefit Fee, the Company shall maintain and operate a certified scale, which shall be inspected and certified by the State of Illinois at the expense of the Company, at least once each calendar year.

7. RECORDS change to 5 years?

a. The Company shall maintain daily records of the amounts and types of Authorized Waste received at the Transfer Facility. Such records shall be maintained for a period of at least five (5) years. Such records shall include disposal tickets or logs, showing the amount in tons of Authorized Waste brought into the Transfer Facility, recycled material and/or other materials recovered from such Authorized Waste, and Waste Subject to the Host Fee for each truck transferring material from the Transfer Facility. In addition, records shall be kept and shall be provided to County upon written request regarding: (i) the hours of operation of the Transfer Facility, and (ii) the amount of the Host Benefit Fee payable on each ton of Waste Subject to the Host Fee in each calendar quarter, (iii) the total Host Benefit Fee payable during each calendar quarter, and (iv) the amount (weight) and type of Authorized Waste received.

b. County shall have the right to audit the records of the Company upon five (5) business days' notice. At McLean County's discretion, the audit may be performed by an accountant or other consultant selected by McLean County. The Company covenants and agrees to fully cooperate with County and its designee during any audit and/or inspection, to respond timely and fully to any questions or request, and to make pertinent Company employees available for interviews.

c. Where such audit determines that the Company has underpaid the Host Benefit Fee, the Company shall pay the reasonable cost of the audit if the Company has underpaid by 5% or more.

d. Upon reasonable notice, McLean County, its authorized agents and representatives shall be permitted to inspect such records maintained by the Company. County shall also be permitted to inspect any and all records maintained by the Company concerning the Waste Subject to the Host Fee, compliance with this Agreement, and/or compliance with any and all applicable federal, state and local laws, statutes, regulations, rules and/or ordinances relating to the operation of the Transfer Facility. The Company shall provide digital or hard copies of any records at its cost if requested by McLean County.

e. The County acknowledges that the books and records of the Transfer Facility contain information which constitutes trade secrets within the meaning of the Illinois Trade Secrets Act. The County shall treat all information obtained from inspection and copying of books and records of the Transfer Facility as confidential and shall not disclose or permit disclosure of such information to persons other than the County, its employees or agents only as required by law or in a legal action subject to a protective order. The Transfer Facility Operator may redact trade secrets or other confidential information from books and records of the Transfer Facility prior to inspection or copying by the County or its agents, provided such redactions do not include numerical or other information required to determine the amount of

Host Benefit Fees payable to the County. Notwithstanding anything to the contrary herein, upon the request of the County, the Transfer Facility Operator shall provide a customer list and the amount of Landfill Waste each customer brought to the Transfer Station in the period of time requested by the County.

8. ENVIRONMENTAL BENEFITS

The Transfer Facility will reduce the amount of emissions otherwise generated by packer trucks by reducing the number of miles packer trucks need to travel within and around County transporting waste for ultimate disposal. Reduced packer truck miles will also result in less wear and tear on County roads, and also reduce the overall traffic impact and environmental impact of packer trucks within McLean County.

9. MCLEAN COUNTY SOLID WASTE MANAGEMENT PLAN

The 2017 Solid Waste Management Plan Update for McLean County, Illinois sets forth recommendations related to the development of transfer stations. For purposes of the Application for the Transfer Facility, the questions identified in Recommendation. County finds that the proposed Transfer Facility is consistent the McLean County Solid Waste Management Plan.

10. COMPLIANCE WITH LAWS

The Company shall strictly comply with all applicable laws, regulations and ordinances, as well as all final and non-appealable conditions of site location approval pursuant to Section 5/39.2 of the Act (should it be approved by the County), as well as the terms, conditions, and requirements of any permit that is issued for the development and operation of the Transfer Facility and the terms and provisions of this Agreement.

11. TRANSFER FACILITY CONTROL MEASURES

a. Noise Control. All equipment utilized for operations shall be equipped with mufflers or other sound suppressing devices required for compliance with applicable State statutes and regulations. Transfer Station Building doors will remain closed each day from the hours of 4:00 am to 8:00 pm and shall only be opened during this time period to allow for the arrival and/or departure of vehicles to and from the Transfer Station Building.

b. Rodent/Vector Control. The Company shall retain a pest control service on an on-going basis to address the potential for infestation by rodents and other vectors, whereby such service shall inspect the Transfer Facility on an as needed, but no less than monthly, basis.

c. Fire Control and Prevention. The Transfer Facility shall be equipped with a sprinkler system that is designed in accordance with the requirements of the International Building Code (2021 or later).

d. Storage. No waste or other material shall be left on the floor inside the transfer building or outside the transfer building on the Subject Property overnight. Waste may be kept temporarily in transfer trailers for no more than 24 hours (except on weekends and holidays), provided that such trailers are stored indoors and suitably covered. Empty transfer trailers may be stored outdoors for no more than 24 hours (except on weekends and holidays). No outside storage of empty roll-offs, other waste containers, and/or packer trucks shall be allowed other than necessary to meet the ongoing operational needs and requirements of the Subject Property.

e. Traffic. The Company shall ensure that the Subject Property contains adequate queuing space for vehicles waiting to access the Transfer Station Building. In addition, the Company shall (at its own expense) install such de-acceleration turning lanes as are necessary to minimize the impact on existing traffic flows.

f. Minimum Measures. The various control measures contained herein represent minimum control measures which in no way limit the ability of the siting authority to impose further conditions upon siting approval, and/or limit the application of or ability of the primary host community to take any action regarding a nuisance and/or enforce any applicable law, ordinance or regulation.

g. Source of water. The Company proposes to acquire water from the City of Bloomington.

h. Employees. There will be one scale house operator and three machine operators/laborers employed on the facility.

i. The Company shall conduct all operations in a manner that does not cause a nuisance and is protective of the public health, safety, welfare, and the environment.

12. INDEMNIFICATION

To the fullest extent permitted by law, the Company hereby agrees to defend, indemnify and hold harmless the County, its officials, agents and employees, against all injury in any way related to the Transfer Facility or the operation thereof, including, but not limited to all harm, deaths, loss, damages (personal or property), claims, suits, proceedings (administrative, judicial or otherwise), liabilities, judgments, costs of defense, expenses and fees including, but not limited to, attorney and expert fees, (all hereinafter collectively referred to as "injuries") which may in anyway accrue against McLean County, its officials, agents and employees, regardless of whether those injuries result in whole or in part as a consequence of any action or approval by County or the acts or conduct of the Company, or its successors or assigns, its employees, agents, or subcontractors.

13. INSURANCE

The Company shall purchase and maintain or cause to be purchased and maintained in full force and effect at all times on and after the construction of the Transfer Facility and continuing at all times that waste is received at the Transfer Facility for the term of this Agreement the following insurance coverages:

a. Commercial General Liability insurance in an amount not less than $1,000,000 per occurrence and a combined limit of $2,000,000.

b. Excess liability insurance covering claims in excess of the underlying insurance described in Section 15 (a) above and Section 15(e) below, with an additional $5,000,000 minimum limit.

c. Workers Compensation Insurance as required by Illinois law and regulations.

d. Employer's Liability Insurance in the amount of $2,000,000 per accident

e. Environmental Impairment and Liability Insurance (both onsite and offsite) in an amount not less than $2,000,000 per occurrence and a combined limit of $5,000,000 in the aggregate.

14. NOTICES

Any notices to be given hereunder by either party to the other shall be in writing and be sent by personal delivery, by overnight delivery service or by registered or certified mail, postage prepaid, return receipt requested. Such notice shall be deemed communicated when delivered or two (2) business days from the date of mailing whichever is earlier. Notices shall be addressed as set forth below, but each party may change its address by written notice to the other in accordance with this Section.

TO MCLEAN COUNTY AT:
McLean County Administration
115 E. Washington Street, Room 401
Bloomington, IL 61701

TO THE COMPANY AT:
Henson Disposal, Inc.
2148 Tri Lakes Rd.
Bloomington, IL 61704

15. ASSURANCE OF PERFORMANCE AND GUARANTEE

The Company shall take in timely fashion all steps that are necessary to insure the prompt and complete performance and satisfaction of all liabilities, obligations, payments and duties of any type, kind or sort which may arise by operation of federal, state and local statute, law, rule, directive, ordinance or mandate, as well as the terms and conditions of this Agreement.

16. COVENANTS RUN WITH THE LAND

The Parties agree that the covenants, agreements and understandings contained in this Agreement, including without limitation the obligation to pay the Host Benefit Fee, (and the Additional Host Benefit Fee if applicable) touch and concern the Subject Property, and that such covenants, agreements, and understanding shall run with the Subject Property and any nonpayment hereunder shall constitute a lien on the Subject Property. The Company agrees that County may prepare, and the Company shall promptly execute duplicate originals of an instrument, in recordable form, which will constitute a memorandum of Host Community Agreement, attaching an executed copy of this Agreement as an exhibit, and record such Memorandum in the Office of the McLean County Clerk.

17. PRIORITY GIVEN TO MCLEAN COUNTY WASTE

Commencing with the first day of operation and receipt of waste at the Transfer Facility and continuing thereafter until the Transfer Facility ceases to operate and accept waste, the Company shall give priority to waste received from McLean County.

18. COMMENCEMENT OF OPERATIONS

Unless otherwise agreed to in writing, the parties agree that operation of the Transfer Facility and initial receipt of waste at the Transfer Facility shall not commence/start earlier than January 1, 2024.

19. SEVERABILITY

If a court of competent jurisdiction holds or adjudges any provision of this Agreement invalid, said judgment shall not affect, impair or invalidate the remainder of this Agreement, but shall be confined in its operation to the provision, clause, sentence, paragraph, section, or part thereof directly involved in the controversy in which such judgment shall have been rendered. It is hereby declared to be the intent of this Agreement that this Agreement would have been approved had such invalid provision, clause, sentence, paragraph, section, or part thereof not been included. No amendment, modification or changes to this Agreement shall be effective unless the same shall be in writing and duly executed by County and the Company.

20. GOVERNING LAW AND VENUE

The laws of the State of Illinois shall govern this Agreement. Venue for the purposes of any dispute which may arise between County and the Company, shall be deemed to be the Eleventh Judicial Court in and for McLean County, Illinois.

21. FORCE MAJEURE

Neither County nor the Company shall be liable for its failure to perform under this Agreement to the extent such failure is due to contingencies beyond its reasonable control, including, without limitation, strikes, riots, war, fire, acts of God, compliance with any law, regulation or order, whether valid or invalid, of the United States of America or any other governmental body or any instrumentality thereof, whether now existing or hereafter created.

22. DEFAULT

a. If Transfer Facility Operator or the County commits a material breach of this Agreement in regard to payment, the breaching party shall have a period of thirty (30) calendar days from and after receipt of written notice from the other of such breach in which to cure the breach. If the breaching party fails to cure the breach during such period, the breaching party shall be in default;

b. If Transfer Facility Operator or the County commits a material breach of this Agreement other than in regard to payment, the breaching party shall have a period of thirty of (30) calendar days from and after receipt of written notice from the other of such breach in which to cure the breach, or a longer period if the breaching party has diligently attempted to cure the breach during such period but has been unable to do so. If the breaching party fails to cure the breach during such period, as extended, the breaching party shall be in default;

c. The County recognizes that the cure of breach may require regulatory approval from the IEPA or some other regulatory agency and that the time of preparation of a request for such approval as well as the time it takes for the regulatory agency to review such a request shall be part of the cure period;

d. In the event that either party is in default under this Agreement, the party not in default shall have the right to enforce all rights and remedies under this Agreement, as well as to pursue any other remedy now or hereafter available under applicable law; and

e. Except as set forth in Section 22.c. of this Agreement, nothing in this Agreement to the contrary shall delay or hinder the immediate enforcement of this Agreement, ordinance or law which may, in any manner, negatively impact the public health, safety or welfare.

23. AUTHORITY TO ENTER INTO AGREEMENT

County and the Company hereby represent and warrant to each other that the individuals executing this Agreement in their official capacities have been duly authorized and empowered to sign this Agreement. County shall provide the Company with a certified copy of the ordinance of its Board authorizing the execution of this Agreement by the undersigned representatives of McLean County. The Company shall provide County with a copy of the corporate resolution authorizing the execution of this Agreement by the undersigned representatives of the Company.

[REMAINDER OF PAGE INTENTIONALLY LEFT BLANK; SIGNATURE PAGE TO FOLLOW]

MCLEAN COUNTY

BY: _____
John D. McIntyre

Its: County Board Chairman

HENSON DISPOSAL, LLC

BY: Tom Kirk

Its: President Tom Kirk

EXHIBIT A
SUBJECT PROPERTY DESCRIPTION

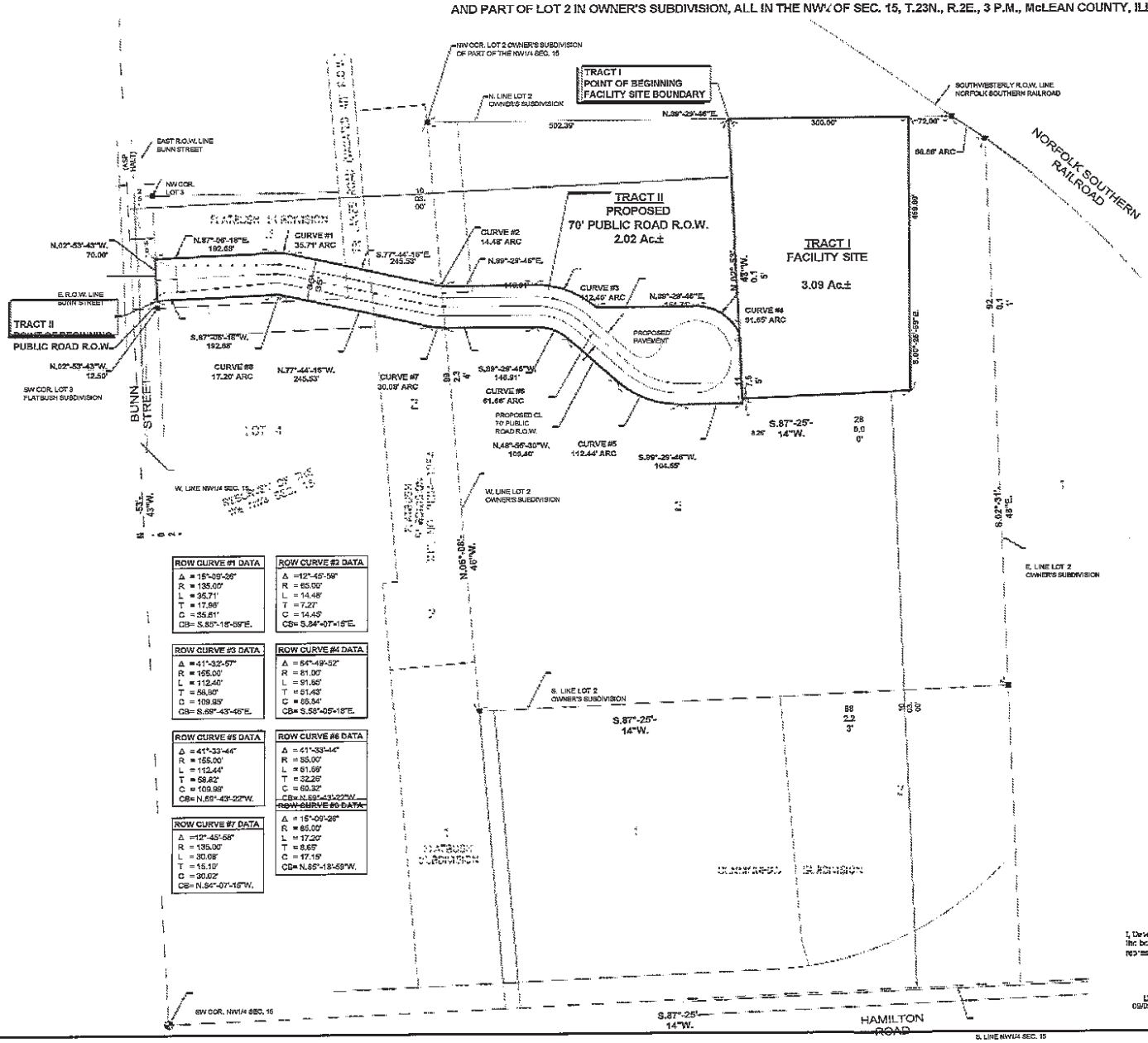
EXHIBIT A
SUBJECT PROPERTY DESCRIPTION

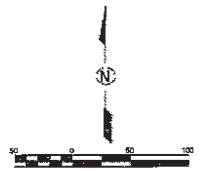
A part of Lot 2 in Owner's Subdivision of part of the NW¼ of Section 15, Township 23 North, Range 2 East of the Third Principal Meridian, McLean County, Illinois, more particularly described as follows: Commencing at the northwest corner of Lot 2 in Owner's Subdivision of part of the NW¼ of Section 15 according to the Plat thereof recorded in Plat Book 9 on Page 82; thence N.89°-29'-46"E. 502.39 feet on the north line of said Lot 2 to the Point of Beginning; thence continuing N.89°-29'-46"E. 300.00 feet on the north line of said Lot 2; thence S.00°-25'-59"E. 459.60 feet to a point 1003.00 feet north of the south line of the NW¼ of said Section 15; thence S.87°-25'-14"W. 280.00 feet parallel with the south line of the NW¼ of said Section 15 to a point 1003.00 feet east of the west line of the NW¼ of said Section 15; thence N.02°-53'-43"W. 470.15 feet parallel with the west line of the NW¼ of said Section 15 to the Point of Beginning containing 3.09 acres, more or less, with assumed bearings given for description purposes only.

EXHIBIT B
PLAT OF SURVEY

PLAT OF SURVEY

PART OF LOTS 2 AND 3 IN FLATBUSH SUBDIVISION, PART OF LOT 4 IN RE-SURVEY OF THE W½ NW¼, PART OF VACATED TRI-LAKES ROAD AND PART OF LOT 2 IN OWNER'S SUBDIVISION, ALL IN THE NW¼ OF SEC. 15, T.23N., R.2E., 3 P.M., McLEAN COUNTY, ILLINOIS





Tract I

Legal Description Facility-Site

A part of Lot 2 in Owner's Subdivision of part of the NW¼ of Section 15, Township 23 North, Range 2 East of the Third Principal Meridian, McLean County, Illinois, more particularly described as follows: Commencing at the northwest corner of Lot 2 in Owner's Subdivision of part of the NW¼ of Section 15 according to the Plat thereof recorded in Plat Book 9 on Page 82; thence N.89°-29'-46"E. 502.39 feet on the north line of said Lot 2 to the Point of Beginning; thence continuing N.89°-29'-46"E. 300.00 feet on the north line of said Lot 2; thence S.00°-26'-59"E. 459.66 feet to a point 1003.09 feet north of the south line of the NW¼ of said Section 15; thence S.87°-25'-14"W. 260.00 feet parallel with the south line of the NW¼ of said Section 15 to a point 1003.09 feet east of the west line of the NW¼ of said Section 15; thence N.02°-53'-43"W. 470.15 feet parallel with the west line of the NW¼ of said Section 15 to the Point of Beginning containing 3.09 acres, more or less, with assumed bearings given for description purposes only.

Tract II

Proposed Public Street Access Legal Description

A part of Lots 2 and 3 in Flatbush Subdivision, a part of Lot 4 in Re-Survey of the W½ of the NW¼, a part of vacated Tri-Lakes Road and a part of Lot 2 in Owner's Subdivision, all in the NW¼ of Section 15, Township 23 North, Range 2 East of the Third Principal Meridian, McLean County, Illinois, more particularly described as follows: Commencing at the southwest corner of Lot 3 in Flatbush Subdivision on the east right of way line of Bunn Street; thence N.02°-53'-43"W. 12.50 feet on the said east right of way line of Bunn Street and west line of said Lot 3 to the Point of Beginning; thence continuing N.02°-53'-43"W. 70.00 feet on the west line of said Lot 3 and east right of way line of Bunn Street; thence N.87°-08'-18"E. 192.68 feet; thence southeasterly 35.71 feet on a tangential curve concave to the southwest having a radius of 135.00 feet, central angle of 15°-09'-26" and a chord of 35.61 feet bearing S.85°-18'-59"E. from the last described course; thence S.77°-44'-16"E. 245.53 feet; thence easterly 14.46 feet on a tangential curve concave to the north having a radius of 65.00 feet, central angle of 12°-45'-58" and a chord of 14.45 feet bearing S.84°-07'-15"E. from the last described course; thence N.89°-29'-46"E. 146.91 feet; thence southeasterly 112.40 feet on a tangential curve concave to the southwest having a radius of 155.00 feet, central angle of 41°-32'-57" and a chord of 109.95 feet bearing S.69°-43'-46"E. from the last described course; thence N.89°-29'-46"E. 164.71 feet; thence southeasterly 91.65 feet on a tangential curve concave to the southwest having a radius of 81.00 feet, central angle of 64°-49'-52" and a chord of 86.84 feet bearing S.58°-05'-18"E. from the last described course; thence N.89°-29'-46"E. 148.91 feet; thence southwesterly 112.44 feet on a tangential curve concave to the southwest having a radius of 155.00 feet, central angle of 41°-33'-44" and a chord of 109.99 feet bearing N.69°-43'-22"W. from the last described course; thence N.48°-56'-30"W. 109.40 feet; thence westerly 61.66 feet on a tangential curve concave to the southwest having a radius of 85.00 feet, central angle of 41°-33'-44" and a chord of 60.32 feet bearing N.69°-43'-22"W. from the last described course; thence S.89°-29'-46"W. 146.91 feet; thence northwesterly 30.05 feet on a tangential curve concave to the northeast having a radius of 135.00 feet, central angle of 12°-45'-58" and a chord of 30.02 feet bearing N.84°-07'-15"W. from the last described course; thence N.77°-44'-16"W. 245.53 feet; thence northwesterly 17.20 feet on a tangential curve concave to the southwest having a radius of 65.00 feet, central angle of 15°-09'-26" and a chord of 17.15 feet bearing N.85°-18'-59"W. from the last described course; thence S.87°-08'-18"W. 192.68 feet to the Point of Beginning containing 2.02 acres, more or less, with assumed bearings given for description purposes only.

Surveyor's Certificate

I, David P. Brown, Illinois Professional Land Surveyor #3725, do hereby certify that to the best of my knowledge and belief the above survey is an accurate representation of a survey made by me or under my direction on January 7, 20__.

Date 09/09/2022

David P. Brown
Illinois Professional Land Surveyor No. 3725
Lewis, Yockey & Brown, Inc.

LYB
www.lybinc.com
Lewis, Yockey & Brown, Inc.
Consulting Engineers & Land Surveyors
PROFESSIONAL DESIGN FIRM REGISTRATION #184.003966
604 NORTH MAIN BLOOMINGTON, ILLINOIS 61701
PH. (309) 828-2662

REVISED	
-	-
-	-
-	-
-	-
-	-

BL	929
DRN.	MB/JSE/LE
DSN.	DPB
APP.	DPB

HENSON DISPOSAL
MUNICIPAL SOLID WASTE TRANSFER STATION
FACILITY SITE SURVEY &
PUBLIC ROAD R.O.W. SURVEY
McLEAN COUNTY, ILLINOIS

SHEET 1 OF 1

JOB # 4920.05

APPENDIX 2-C

SITE LEGAL

EXHIBIT A

Legal Description Facility Site

A part of Lot 2 in Owner's Subdivision of part of the NW¼ of Section 15, Township 23 North, Range 2 East of the Third Principal Meridian, McLean County, Illinois, more particularly described as follows: Commencing at the northwest corner of Lot 2 in Owner's Subdivision of part of the NW¼ of Section 15 according to the Plat thereof recorded in Plat Book 9 on Page 82; thence N.89°-29'-46"E. 502.39 feet on the north line of said Lot 2 to the Point of Beginning; thence continuing N.89°-29'-46"E. 300.00 feet on the north line of said Lot 2; thence S.00°-25'-59"E. 459.60 feet to a point 1003.00 feet north of the south line of the NW¼ of said Section 15; thence S.87°-25'-14"W. 280.00 feet parallel with the south line of the NW¼ of said Section 15 to a point 1003.00 feet east of the west line of the NW¼ of said Section 15; thence N.02°-53'-43"W. 470.15 feet parallel with the west line of the NW¼ of said Section 15 to the Point of Beginning containing 3.09 acres, more or less, with assumed bearings given for description purposes only.

ATTACHMENT 1-D

HENSON DISPOSAL UTILITY AGREEMENT WITH BLOOMINGTON

DocuSign Envelope ID: 2719A052-ACCD-41D8-8CAD-58332E23257A

AGREEMENT FOR THE EXTENSION OF SEWER AND WATER MAINS AND FOR THE PROVISION OF SEWER AND WATER SERVICES

THIS AGREEMENT made and entered into this 27th day of January, 2023, by and between the City of Bloomington, a Municipal Corporation, hereinafter called "CITY" and TKnTK, LLC, including any of their subsidiaries, assigns, agents, tenants and/or future owners or occupants of the Subject Property (hereinafter collectively referred to as "CUSTOMER") owner of record of the real property, hereinafter described ("SUBJECT PROPERTY"):

WITNESSETH:

WHEREAS, the SUBJECT PROPERTY is located in unincorporated McLean County but is adjacent and contiguous to the CITY; and

WHEREAS, CUSTOMER has (or will) apply to McLean County to site and operate a municipal waste transfer station (i.e., a pollution control facility) (hereafter the "FACILITY") on the SUBJECT PROPERTY, all in accordance with the requirements of the Illinois Environmental Protection Act; and

WHEREAS, in connection with said application, CUSTOMER desires to obtain municipal sanitary sewer and municipal water supply services from the CITY for the FACILITY; and

WHEREAS, the CITY acknowledges and recognizes that if approved, the FACILITY will generate "leachate" and CUSTOMER affirms that it will coordinate and obtain approval

DocuSign Envelope ID: 2719A052-ACCD-41D8-8CAD-58332E23257A

from the Bloomington-Normal Water Reclamation District ("BNWRD") for the receipt and treatment of such leachate from the FACILITY; and

WHEREAS, storm water is not allowed in the sanitary sewer and accordingly CUSTOMER will not use the municipal sanitary sewer service for storm water management and instead will design and operate the FACILITY to divert storm water in accordance with applicable legal requirements; and

WHEREAS, CUSTOMER acknowledges that CITY is under no obligation to provide sanitary sewer services or water supply services to the SUBJECT PROPERTY and therefore CUSTOMER freely agrees to the terms and conditions set forth herein as consideration for the CITY's provision of such sanitary sewer and water supply services; and

WHEREAS, the CITY desires and the CUSTOMER agrees to provide certain environmental protection and compensation to the City with respect to the FACILITY if the FACILITY obtains all required approvals for the FACILITY and commences operation; and

WHEREAS, the CITY has not consented to, concurred in, or objected to the proposed plans of the CUSTOMER to develop the FACILITY and nothing in this Agreement shall be deemed by the CUSTOMER, the CITY, or other public agencies, or the public to indicate that the CITY has heretofore adopted any position on the potential development of the FACILITY; and

WHEREAS, if McLean County grants site location approval of the FACILITY, and if thereafter the Illinois Environmental Protection Agency issues permits for the development and operation of the FACILITY, the CUSTOMER is willing to conform the design and operation of the FACILITY to the requirements of this Agreement, including the payment of secondary community benefits as set forth herein as a form of general revenue to the CITY for use by the CITY for those purposes determined by the CITY to be in its best interests.

DocuSign Envelope ID: 2719A052-ACCD-41D8-8CAD-58332E23257A

NOW THEREFORE in consideration of the mutual covenants and undertakings herein made, CITY and CUSTOMER herein covenant and agree as follows:

1. The recitals set forth above are incorporated herein and made a part hereof.

PROVISIONS CONCERNING SEWER AND WATER SERVICES

2. CITY agrees to allow CUSTOMER, in accordance with all CITY standards, rules and applicable laws, to design, plan, and construct under a permit, at the CUSTOMER'S sole cost and expense, sanitary sewer main as generally sized and depicted on the approved preliminary plan or plat of said area attached hereto and made a part hereof, and in accordance with specifications approved by the CITY, for the benefit of the FACILITY and the SUBJECT PROPERTY. Upon inspection and approval by the CITY, the CUSTOMER shall issue a bill of sale transferring ownership of the mains to the City. The CUSTOMER shall provide the bonds (performance, payment and maintenance) as required by the CITY's Ordinances and policies. This work is subject to the Illinois Prevailing Wage Act.

3. CITY agrees to allow CUSTOMER, in accordance with all CITY standards, rules and applicable laws, to design, plan, and construct, under a permit, at the CUSTOMER'S sole cost and expense, water main as generally sized and depicted on the approved preliminary plan or plat of said area attached hereto and made a part hereof, and in accordance with specifications approved by the CITY, for the benefit of the FACILITY and the SUBJECT PROPERTY. Upon inspection and approval by the CITY, the CUSTOMER shall issue a bill of sale transferring ownership of the mains to the City. The CUSTOMER shall provide the bonds (performance, payment and maintenance) as required by the CITY's Ordinances and policies. This work is subject to the Illinois Prevailing Wage Act.

DocuSign Envelope ID: 2719A052-ACCD-41D8-8CAD-58332E23257A

4. CUSTOMER shall reimburse the CITY for those expenses incurred in professional services related to permitting, inspecting and reviewing the CUSTOMER's work and, within 90 days of filing its application with McLean County for the approval of the FACILITY, shall deposit $50,000.00 with the City for these purposes. The CITY shall account for the use of the deposit and the CUSTOMER shall replenish the amount on deposit in such reasonable amounts as directed by the CITY. The "professional services" set forth in this section also includes any reasonable attorney fees from legal counsel outside the City incurred by the City associated with the review and negotiation of this Agreement.

5. CUSTOMER agrees that said extended mains shall become the property of and subject to the control of the CITY as a part of its sewer and water systems and that CUSTOMER and all successors to the property shall become subject to and shall be obligated to conform to all terms of this Agreement and for the payment of charges for water and sewer services as provided herein and amended from time to time.

6. CUSTOMER shall comply with the City's Ordinances concerning the provision of sewer and water services. CUSTOMER shall pay for the sewer and water services provided by the CITY at the rates set forth in the CITY's Ordinances in existence -- and as amended from time to time -- for those properties and customers located outside the CITY's corporate limits, multiplied by a factor of 2.

CUSTOMER, in accordance with all standards, rules, and guidelines, and at the CUSTOMER'S sole cost and expense, shall plan, purchase from the CITY, and install, under a permit a water meter for the Facility. The CITY will maintain the water meter at the CUSTOMER'S sole cost and expense.

DocuSign Envelope ID: 2719A052-ACCD-41D8-8CAD-58332E23257A

CUSTOMER, in accordance with all standards, rules, and guidelines, and at the CUSTOMER'S sole cost and expense, shall plan, and construct, under a permit a sanitary sewer system that will allow for the CITY'S installation of a sanitary sewer meter for the Facility. The CITY will install and maintain the sanitary sewer meter at the CUSTOMER'S sole cost and expense.

PROVISIONS CONCERNING THE DESIGN AND OPERATION OF THE FACILITY

7. Definitions. As used in this agreement, the following words and phrases shall have the definitions as set forth in this Section:

"Act" as used in these definitions and this Agreement, shall mean the Illinois Environmental Protection Act, as amended from time to time (415 ILCS 5/1, et seq.).

"Construction or Demolition Debris" whether or not capitalized, means "clean construction or demolition debris" as defined by Section 5/3.160(b) of the Act (415 ILCS 5/3.160(b)), or "general construction or demolition debris," as defined by Section 5/3.160(a) of the Act (415 ILCS 5/3.160(a)).

"Food Scrap" whether or not capitalized and used in any of its grammatical forms, means "food scrap" as defined in Section 5/3.197 of the Act (415 ILCS 5/3.197).

"Hydro Excavation Wastes" is a solid/liquid waste such as hydro/vacuum excavation muds, underground excavation material, and other similar materials.

"IAC" as used in these definitions and this Agreement, shall mean the Illinois Administrative Code.

"IEPA" means the Illinois Environmental Protection Agency.

"IPCB" means the Illinois Pollution Control Board.

"Landscape Waste" whether or not capitalized and in any of its grammatical forms, means "landscape waste" as defined by Section 5/3.270 of the Act.

"Municipal Waste" whether or not capitalized and used in any of its grammatical forms, means "municipal solid waste", as defined by Section 5/3.290 of the Act (415 ILCS 5/3.290), except that such waste does not include Construction or Demolition Debris, Recyclables, Unacceptable Waste, or Landscape Waste.

DocuSign Envelope ID: 2719A052-ACCD-41D8-8CAD-58332E23257A

"Recyclables" whether or not capitalized and used in any of its grammatical forms, means any material, which would otherwise be disposed of or discarded, which is separated from Municipal Waste or Construction or Demolition Debris at the source of generation so as to render it useable in a process, or alone, such that it can be returned to the economic mainstream in the form of raw materials or products. Examples of recyclables are newspaper, glass bottles, high density, polyethylene containers, aluminum food and beverage containers, chipboard, and corrugated containers. Recyclables do not include any materials removed or separated from, or containing Unacceptable Wastes.

"Regular Business Hours" of the Transfer Facility shall mean 4:00 a.m. to 8:00 p.m. on weekdays and 4:00 a.m. to 4:00 p.m. on Saturdays, with no operation on Sundays or the Christmas holiday, provided that on the Saturday following any Federal holiday Regular Business Hours may be extended by the CUSTOMER to 8:00 p.m. The Regular Business Hours for accepting Municipal and Hydro Excavation Waste may be extended but only upon the prior approval of the CITY, such approval being in writing. CUSTOMER agrees to meet with CITY after the FACILITY has been operational for six (6) months to ensure operations from the FACILITY are not negatively impacting neighboring residential properties on Saturday afternoons. If, based on written complaints from residential neighbors specifically relating to noise on Saturday afternoons, the CITY determines that the operations on Saturday should end at 12:00 p.m., the City Council may adopt an ordinance enacting such a limitation which CUSTOMER agrees to follow and make part of this Agreement.

"Solid Waste" whether or not capitalized, means Municipal Waste, Landscape Waste, Food Scrap,, and Construction or Demolition Debris, including those materials in these classifications that have received a Beneficial Use Determination (BUD) designation by the IEPA, as those terms are defined in this Section.

"Subject Property" whether or not capitalized and in any of its grammatical forms, means the 6 lots and Outlot A as shown in the Preliminary Plan attached hereto as Exhibit A and also shown as the Project Location.

"Transfer Facility" or "Facility" whether or not capitalized, means the FACILITY—i.e., a "Transfer Station" as defined by 5/3.500 of the Act (415 ILCS 5/3.83) -- including the lot within the SUBJECT PROPERTY on which the Transfer Station is located, and specifically references the Transfer Facility the CUSTOMER desires to construct and operate located on a Lot 3 as shown on Exhibit B. The parties may agree to a different location of the Facility in writing.

"Unacceptable Waste" whether or not capitalized and used in any of its grammatical forms, means:

(a) "hazardous waste" as defined by Section 5/3.15 of the Act (415 ILCS 5/3.15) or by 35 IAC 721.03;

(b) "industrial process waste" as defined by Section 5/3.235 of the Act (415 ILCS 5/3.235), except allowable special waste and such industrial process waste which poses no present or potential threat to human health or the environment and which

DocuSign Envelope ID: 2719A052-ACCD-41D8-8CAD-58332E23257A

> has no inherent properties which makes its disposal in a landfill difficult to manage by normal means, and which has been specifically approved by the IEPA; (c) "pollution control waste" as defined by Section 5/3.335 of the Act (415 ILCS 5/3.335); (d) "sludge" as defined by Section 5/3.465 of the Act (415 ILCS 5/3.465); (e) "potentially infectious medical waste" as defined by Section 5/3.360 of the Act; (f) "special waste" as defined by Section 5/3.475 of the Act; (g) "polychlorinated byphenyls" as defined in the Toxic Substances Control Act, 15 U.S.C. Section 2601-2692, or regulations promulgated thereunder; (h) source, special or byproduct nuclear materials, radioactive waste, high-level or low-level radioactive waste, or transuranic waste as defined in the Atomic Energy Act, 42 U.S.C. Sections 2014, et seq., or regulations promulgated thereunder; or (i) "asbestos" as defined in 40 CFR 763.83, except that Unacceptable Waste does not include Hydro Excavation Waste.

8. Term. This Agreement commences on the date executed and continues in force and effect until the Transfer Facility ceases to operate and is no longer permitted by the IEPA to accept Municipal Waste and/or Hydro Excavation Waste. In addition, the City may terminate this Agreement if the CUSTOMER is in default of any provision of this Agreement The CUSTOMER, in turn, may, at its sole discretion, terminate this Agreement if it determines that it is no longer economically desirable to operate the Transfer Facility and it rescinds its IEPA permit to operate. If terminated, at the sole option of the CITY, the CITY may continue to provide service, at the rates set forth in Section 6, to the other lots that do not contain the FACILITY.

9. Compliance with Laws. The CUSTOMER shall comply at all times, in connection with the development and operation of the Transfer Facility, with: all laws, conditions and requirements of any permit that is issued for development or operation of the Transfer Facility; modified or amended rules and regulations and ordinances of any Federal or State agency or authority relating to the development, operation, monitoring, remediation, or closure of the Transfer Facility. With respect to the closing of the Transfer Facility, the CUSTOMER agrees to comply with any government ordinance, rule, law or directive as to post-closure requirements and pay the entire costs associated therewith.

DocuSign Envelope ID: 2719A052-ACCD-41D8-8CAD-58332E23257A

10. Waste Acceptability. The CUSTOMER shall only allow Solid Waste to be intentionally accepted at, transported to, stored at, or otherwise present at the Transfer Facility. All Municipal Waste, except when being transported to or from the Transfer Facility, must be kept inside (i.e., within a fully enclosed area of) the Transfer Facility. Unacceptable Waste accepted at, transported to, stored at, or otherwise present at, on, or in the Transfer Facility shall be properly removed within 24 hours.

11. Traffic, General Conditions, and Operations.

a. All transfer trailer truck traffic entering and existing this site must utilize the routes approved by the County as a result of the siting process. Moreover, CUSTOMER shall not allow any trucks coming to or exiting from the FACILITY to queue on City streets or right-of-way.

b. The CUSTOMER shall require and take reasonable steps to enforce the requirement that all trucks carrying Solid Waste to or from the FACILITY prevent any waste, litter or debris from being discarded onto public traveled roads and shall abide by a litter control plan as approved by the County as a result of the siting process.

c. All tipping of Municipal Waste at the Transfer Facility shall be on the tipping floor inside the transfer building, and, except as provided below, the CUSTOMER shall have the tipping floor free of waste and cleaned with a mechanical street sweeper by the end of each operating day.

d. The CUSTOMER shall conduct all operations in a manner that is protective of the public health, safety, welfare, groundwater resources and the environment. The CUSTOMER shall comply with all applicable laws, ordinances, rules and regulations, including but not limited to IPCB regulations. In addition, the CUSTOMER shall provide a fifteen (15) foot setback from the SUBJECT PROPERTY. The area within the setback shall be completely screened by an opaque masonry wall (stone, stucco, or brick) or a commercial grade solid wood screen fence at least eight (8) feet in height, not exceeding height limitations unless otherwise permitted, with only such openings as are necessary for ingress and egress. Plant materials shall be installed along that portion of a fence or wall that is highly visible from right-of-way to provide a year-round softening effect. The SUBJECT PROPERTY shall use only outdoor lighting, which shall not exceed one foot-candle at the property line, that is shielded and directed so as to protect adjacent lot or lots across the street from direct or reflected glare.

e. At a minimum, the CUSTOMER shall provide a street sweeper or other means and methods to remove mud, dirt and dust tracked on to hard surfaces inside and

DocuSign Envelope ID: 2719A052-ACCD-41D8-8CAD-58332E23257A

outside the Transfer Facility property, including but not limited to mud, dirt and dust tracked onto any City streets right-of-way for a distance of no less than three-fourths (3/4) mile from the entrance of the Transfer Facility on an as needed basis, but not less frequently than daily, except during severe weather conditions (e.g., heavy rains, winter conditions when salt has been applied to the roadway). All access drives, parking areas, storage areas and vehicle maneuvering areas of the Transfer Facility shall have driveways paved with an approved concrete or asphalt/concrete surface and at least 25 feet wide. All interior roads, driveways, parking lots and loading and unloading areas not required to be paved shall be constructed of an all-weather surface and be kept in as dust-free condition as possible, using application of dust-inhibitors if necessary to limit the nuisance caused by wind-borne dust. The property shall be swept with a street sweeper as needed, but not less frequently than daily.

f. The Transfer Facility and any area used for the outdoor storage of any material or equipment shall be paved, fenced and visually screened from viewing from off of the Transfer Facility property, and also to contain loose debris and any storage items. If storage materials exceed the fence height established in Section d, then a combination of berming, fencing and landscaping shall be used to accomplish appropriate screening.

g. The CUSTOMER agrees to keep the truck doors to the Transfer Facility closed, except for emergencies and to allow trucks to enter and exit the facility, during Regular Business Hours.

12. Host Fees. In consideration of the additional costs and burdens to be borne by the CITY from the FACILITY's proximity to the CITY and from the provision of the sewer services and/or the water services, the CUSTOMER agrees to pay the CITY the following fees should McLean County approve the Transfer Facility site location and should the CUSTOMER build the Transfer Facility and begin accepting Municipal Waste. The CUSTOMER agrees to pay the CITY the following fees:

a. The CUSTOMER shall pay to the CITY a base fee as provided below for each ton of Municipal Waste, except landscape waste and recyclables, received at the Transfer Facility (whether received in the same or separate vehicles) from the first date the FACILITY receives Municipal Waste through the termination of this Agreement. In the event the Transfer Facility accepts Food Scraps either in dedicated truckloads or commingled with Landscape Waste, the CUSTOMER agrees to pay the per ton fee provided for in this section on the Food Scraps accepted at the Transfer Facility. The CUSTOMER shall pay the CITY a base fee equal to $1.00 per ton of Municipal Waste received at the Transfer Facility. Per-ton fees

DocuSign Envelope ID: 2719A052-ACCD-41D8-8CAD-58332E23257A

shall be payable only if, as and when waste is received and accepted at the Transfer Facility.

b. Beginning the 1st day of January after the FACILITY begins accepting waste, and as of each January 1 thereafter, the per-ton fees described in (a) above will be adjusted from the per-ton fees of the previous year by the percentage change during the previous year in the Revised Consumer Price Index for All Urban Consumers (CPI-U) published by the United States Department of Labor — Statistics for the <<<<<Midwest Region>>>>> area, provided, however, that at no time shall the increase be less than 0% or greater than 4%. If the Consumer Price Index for All Urban Consumers shall cease to be published in the time frame described above, the CITY and CUSTOMER shall designate a comparable time frame or index, which shall then be used for determining the annual rate of adjustment.

c. CUSTOMER shall weigh all receipts of Solid Waste on a certified scale, which is inspected at least once each calendar year by the CUSTOMER, and a copy of said inspection shall be provided to the CITY upon request. Further, the CUSTOMER shall keep records of outgoing Solid Waste such that the CITY can determine by its review of these records the number of outbound vehicles, the type of vehicle, the destination of each vehicle, and the type of waste contained on each vehicle leaving the Transfer Facility each calendar day. In addition, should the CITY request records concerning the load weight and total weight of each outbound vehicle, the CUSTOMER agrees to provide that information, from weights measured at the Transfer Facility or at the destination of the vehicles leaving the Transfer Facility, from the time the CUSTOMER receives the CITY's request on moving forward basis for any time period(s) designated by the City.

d. CUSTOMER shall keep complete and accurate books and records relating to the determination of the fees required herein. No more than once per year, the CUSTOMER shall permit the CITY and its designated representatives access to such books and records (paper and electronic version) for inspection and copying. In the event that such inspection reveals any underpayment(s) of the fees, the CUSTOMER shall promptly pay the CITY the amount(s) of such underpayment(s). In the event that such inspection reveals any overpayment(s) of the subject fees, the CUSTOMER may credit the amount of such overpayment(s) against the payments of the subject fees in subsequent quarters.

e. The fees described in this Article shall be paid on a quarterly basis. The quarterly payments shall be calculated on a calendar-year basis; that is, they shall be calculated for the three-month periods ending on the last day of March, June, September and December of each year during the term of this Agreement and any extension thereof. The payment shall be made not later than forty-five (45) days after the last day of the preceding quarter and shall be limited to the Solid Waste transferred during the quarter to which it applies. Past due payments of the fees shall be subject to a late charge of one-and-one-half percent ($1\frac{1}{2}$ %) per month or fraction of a

DocuSign Envelope ID: 2719A052-ACCD-41D8-8CAD-58332E23257A

month for which the payment is late. Payment of such interest shall not otherwise excuse or cure any default by the CUSTOMER under this Agreement.

13. Default. The occurrence of any one or more of the following constitutes a "default" by the CUSTOMER under this Agreement. Should the CUSTOMER be in default of this Agreement, the CITY may, at its sole discretion, terminate this Agreement and cease to provide sewer or water services : (a) The failure by the CUSTOMER to pay any fee due and payable under this Agreement; if the CUSTOMER does not cure such failures within thirty (30) days after notice thereof from the CITY to the CUSTOMER; (b) the CUSTOMER admits in writing its inability to pay its debts as they mature and makes an assignment for the benefit of creditors or applies for or consents to the appointment of a trustee or receiver for the CUSTOMER or a major part of its property; (c) a trustee or receiver is appointed for the CUSTOMER or for a major part of its property, and it is not discharged within ninety (90) days after such appointment; or (d) bankruptcy, reorganization arrangement, insolvency or liquidation proceedings or other proceedings for relief under any bankruptcy law, or similar law, for the relief of debtors are instituted by or against the CUSTOMER and, if instituted against the CUSTOMER, are allowed against it or are not dismissed within 180 days after such institution. In the alternative to cancellation of the Agreement in its entirety, upon one of the defaults listed above, the CITY may elect to continue to provide service to one or more of the lots covered by this Agreement at the rates set forth in Section 6 and cease only the provision of water and sewer service to the lot containing the FACILITY.

14. Notice. Any notice to be given hereunder by either party to the other shall be in writing and be sent by personal delivery, by overnight delivery service or by registered or certified mail, postage prepaid, return receipt requested, and shall be deemed communicated when delivered or three (3) business days from the date of mailing, whichever is earlier. Notices shall be addressed as

DocuSign Envelope ID: 2719A052-ACCD-41D8-8CAD-58332E23257A

set forth below, but each party may change its address by written notice to the other in accordance with this Section:

TO THE CITY:
Attention: City Manager
115 E. Washington Street, Suite 402
Bloomington, IL 61701

TO THE CUSTOMER:
Attention: Tom Kirk
TKnTK, LLC
2148 Tri Lakes Road
Bloomington, IL 61704

15. Defense and Indemnification. CUSTOMER covenants and agrees at CUSTOMER's sole cost and expense to defend, indemnify and hold harmless the CITY, individual members of the CITY COUNCIL, and any and all employees, agents, officers, or representatives of the CITY (collectively "CITY Affiliates"), from and against all claims, suits, actions, administrative enforcement proceedings, losses, damages of all kinds, costs, expenses, fines and penalties, attorneys' fees and expenses of litigation, of any nature whatsoever, relating in any way directly or indirectly to the Transfer Facility where the same are caused by the CUSTOMER's negligence, willful misconduct or breach of this Agreement. This includes, but is not limited to, any condition or occurrence, or any release, discharge or emission at, onto, above, under, through or from the Transfer Facility; or the CUSTOMER's execution, performance, or non-performance of this Agreement or of any conditions placed on siting (should the facility be approved or the operations of the CUSTOMER conducted at the Transfer Facility). This includes, but is not limited to, any claims of injury to any person (including, but not limited to death) or property for violation of or non-compliance with any law, ordinance, rule or regulation (including without limitation any environmental, health, antitrust, civil rights, employment or trade law, or statutory or common law obliga-

DocuSign Envelope ID: 2719A052-ACCD-41D8-8CAD-58332E23257A

tion or liability). The CUSTOMER shall assume the defense of all suits, administrative proceedings and disputes of any description with all persons, entities, political subdivisions or government agencies arising out of the matters to be indemnified under this Agreement. CUSTOMER shall pay, promptly upon entry, any nonappealable order, judgment or other final resolution of any claim or dispute arising out of the matters to be indemnified under this Agreement and shall pay promptly when due any fines, penalties or agreed settlements arising out of the matters to be indemnified under this Agreement. In the event of a claim or suit against CUSTOMER arising out of the sole negligence, willful misconduct or breach of this Agreement by the CITY or any CITY Affiliate, CITY shall be obligated to defend and indemnify CUSTOMER only to the extent permitted by law. In addition, nothing in this Agreement shall be construed as a waiver of any common law or statutory immunity the CITY may have to such liability. This Section survives termination of this Agreement. Nothing in this Section shall be construed as a waiver of any rights either party may have with regard to contesting its alleged obligation for defense and indemnification by way of Declaratory Judgment or otherwise.

16. Transfers. In the event that CUSTOMER leases or transfers any interest in any of the Subject Property to Henson Disposal, LLC, or another individual or entity, or allows Henson Disposal, LLC, or any other entity or individual to operate on the Subject Property, the terms, limitations, and obligations of this Agreement shall apply and shall also be incorporated into such lease, transfer or operation agreement and said individual or entity shall be bound by all said terms. This specifically includes but is not limited the obligation to pay the rates and host fees set forth above, as well as comply with all other conditions and obligations of this Agreement. A default of any such entity or individual to the terms of this Agreement shall be considered a default by CUSTOMER.

DocuSign Envelope ID: 2719A052-ACCD-41D8-8CAD-58332E23257A

17. Miscellaneous. The following miscellaneous terms and conditions shall also apply to this Agreement:

a. The provisions of this Agreement shall be deemed to be severable, and the invalidity or unenforceability of any provision shall not affect the validity and enforceability of the other provisions hereof.

b. This Agreement shall inure to the benefit of and be binding upon the respective parties hereto, their successors and assigns.

c. Neither party hereto shall be deemed to be in default or to have breached any provision of this Agreement as a result of any delay, failure in performance or interruption of services resulting directly or indirectly from acts of God, acts of civil or military authority, civil disturbance, or war or labor strikes or interruptions, which are beyond the control of such non-performing party.

d. Nothing in this Agreement, whether expressed or implied, is intended to confer any rights or remedies under or by reason of this Agreement on any person other than the parties and their respective successors and assigns, nor shall any provision give any third persons any right or rights of action against any party to this Agreement.

e. The CUSTOMER shall allow any agent duly authorized by the CITY to enter the Transfer Facility at reasonable times.

g. The parties agree that the covenants, agreements and understandings contained in this Agreement, which expressly survive its termination touch and concern the Subject Property, and that such covenants, agreements and understandings shall run with the Subject Property.

h. CUSTOMER covenants and agrees that he/she will not permit or allow any other person, firm or corporation to connect or annex to said mains or use such services or in any other way benefit from the services provided to CUSTOMER under the terms of this AGREEMENT, except where express written permission has been procured therefore from CITY.

i. CUSTOMER and CITY agree that covenants herein contained are the essence of this Agreement.

j. This Agreement and all rights and obligations hereunder may not be assigned without the written consent of the other party, which shall not be unreasonably withheld.

DocuSign Envelope ID: 2719A052-ACCD-41D8-8CAD-58332E23257A

IN WITNESSETH WHEREOF the parties have hereunto set their hands and seals the day and year above written.

TKnTK, LLC

Tom Kirk, Member

STATE OF ILLINOIS)
) ss.
COUNTY OF MCLEAN)

I, the undersigned, a Notary Public in and for said County and State aforesaid, DO HEREBY CERTIFY that TOM KIRK, of TKnTK, LLC, an Illinois limited liability company, personally known to me to be a member of said company, whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that as such a member, signed, sealed and delivered the foregoing instrument at his free and voluntary act, and as the free and voluntary act and deed of said company, for the uses and purpose set forth herein.

Given under my hand and notarial seal this 26th day of January, 2023, A.D.

LYCHAN M SIMS
OFFICIAL SEAL
Notary Public, State of Illinois
My Commission Expires
February 28, 2026

(Notary Public)
My Commission Expires: 2/28/2026

ATTEST:

City Clerk

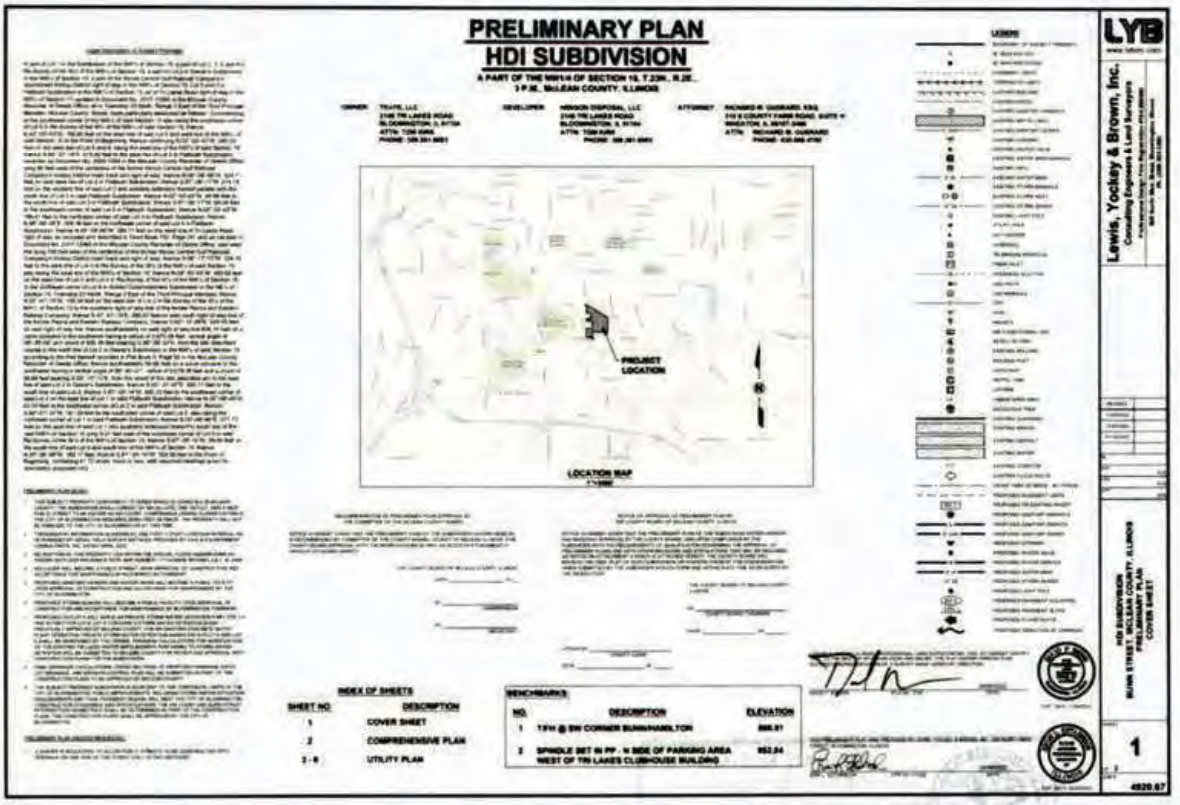
CITY OF BLOOMINGTON

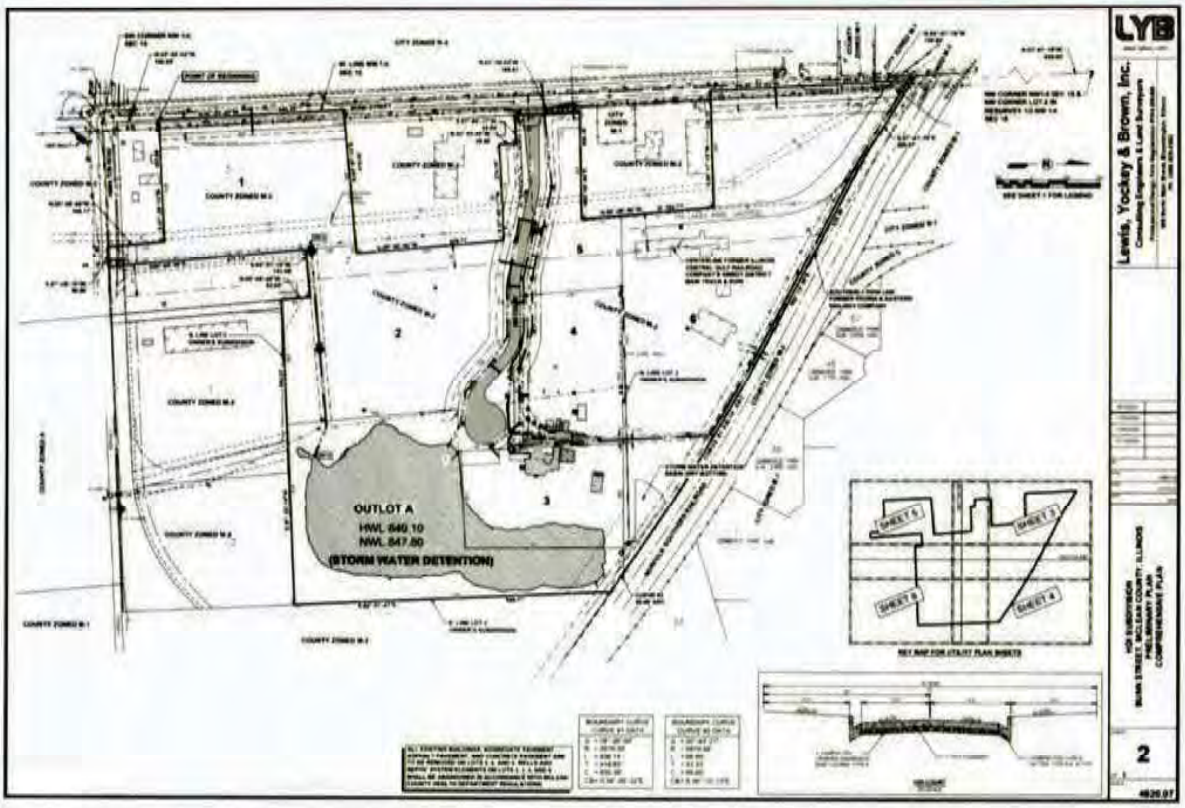
Mayor

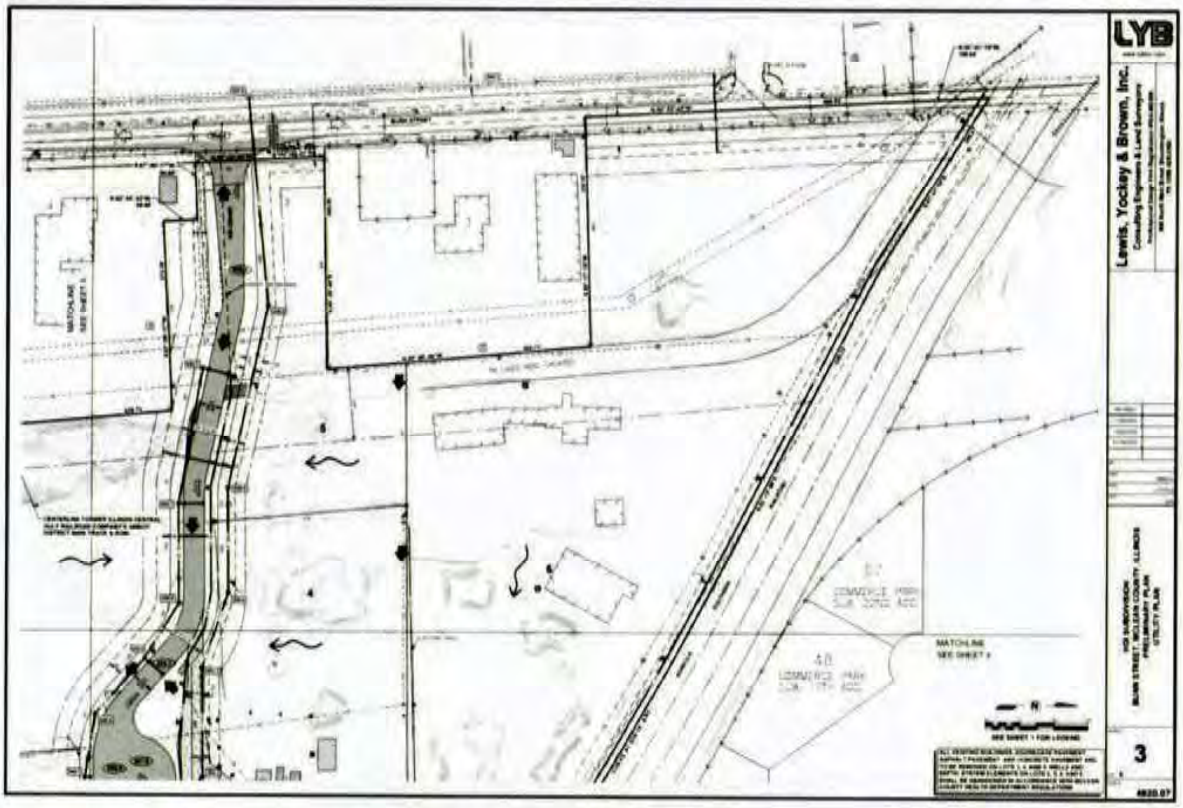
PLEASE RETURN TO:
City Clerk
City of Bloomington
115 E. Washington Street
Bloomington, IL 61701

DocuSign Envelope ID: 2719A052-ACCD-41D8-8CAD-58332E23257A

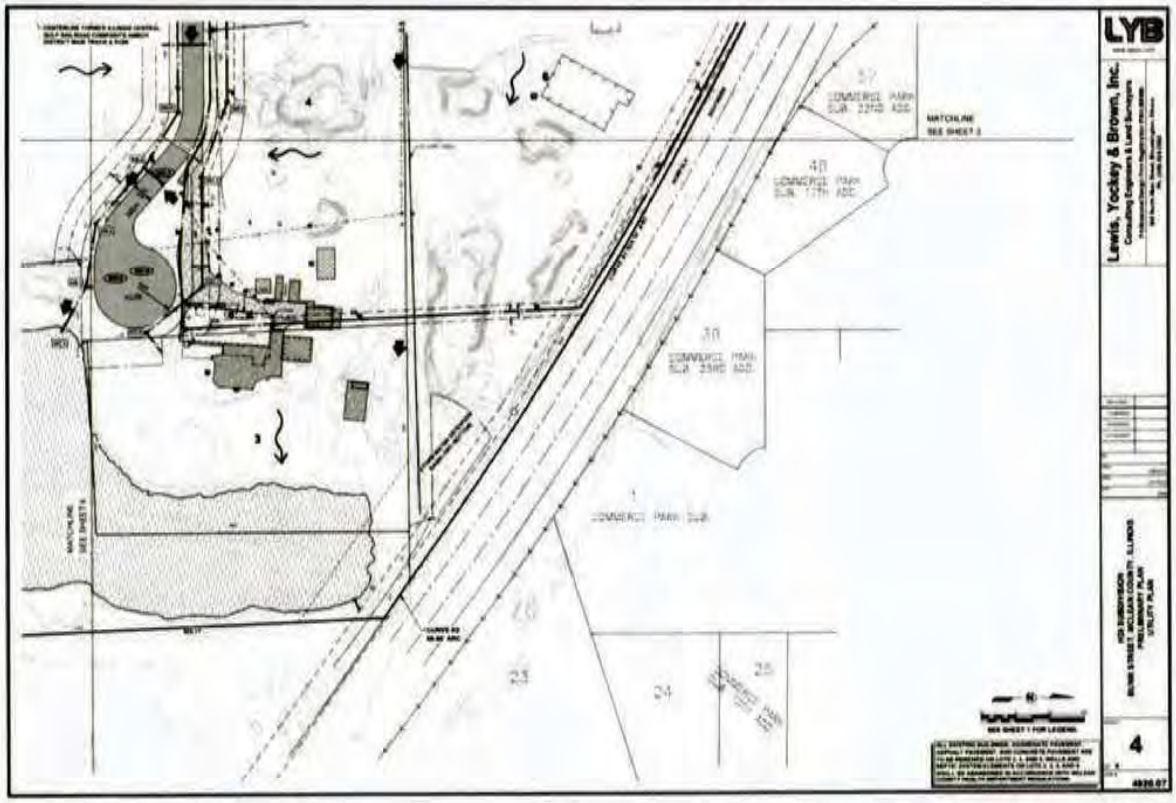
EXHIBIT A
PRELIMINARY PLAN

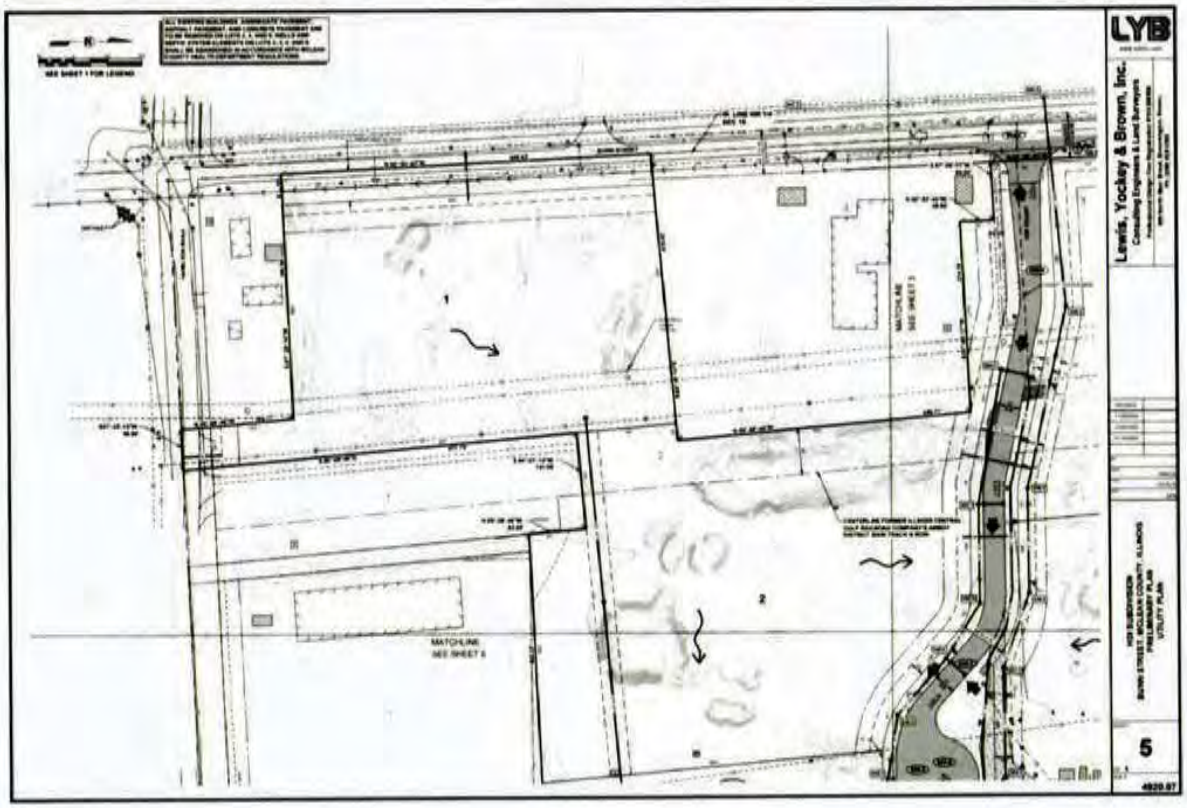




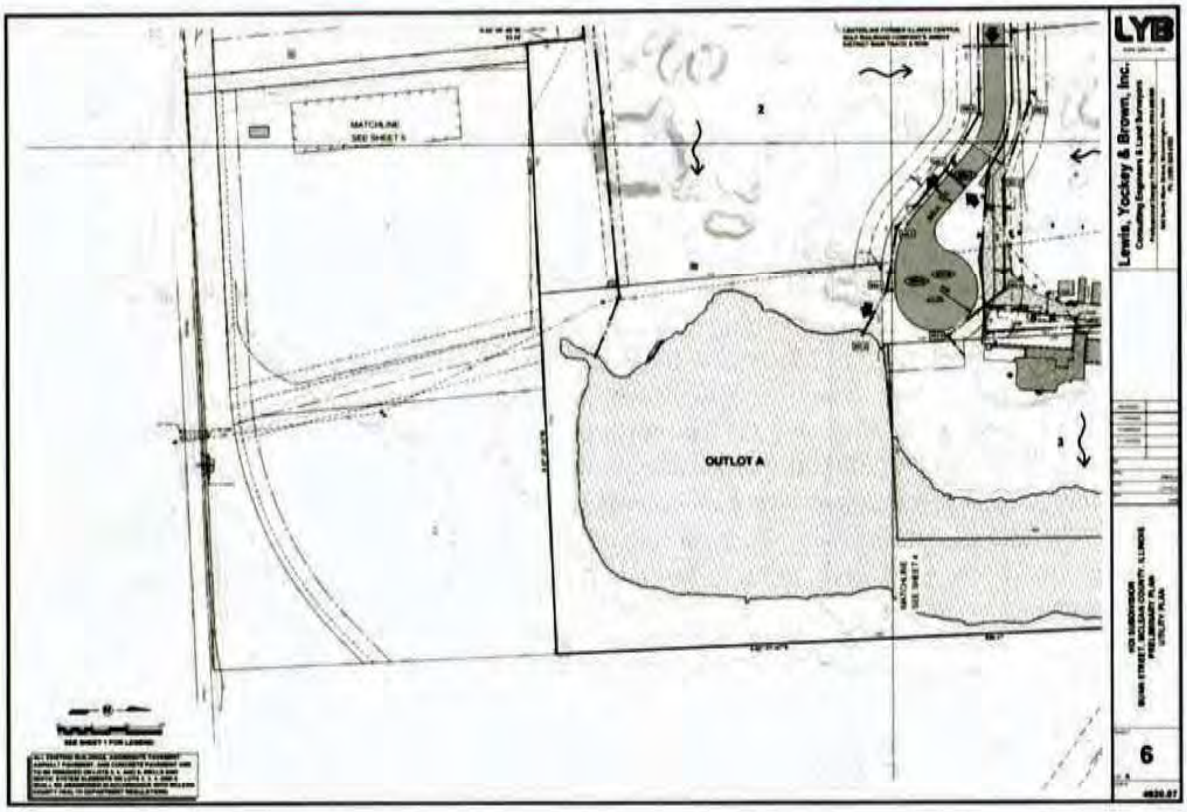


DocuSign Envelope ID: 2719A052-ACCD-41D8-8CAD-58332E23257A





DocuSign Envelope ID: 2719A052-ACCD-41D8-8CAD-58332E23257A



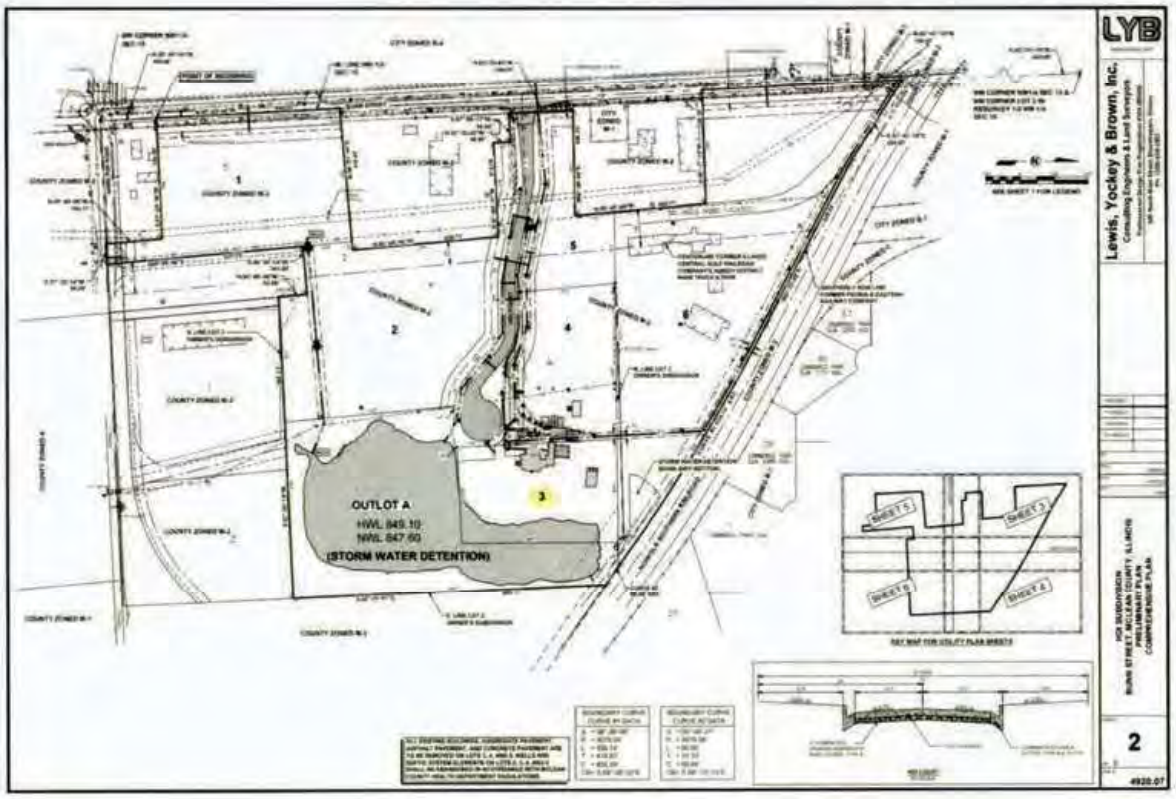
DocuSign Envelope ID: 2719A052-ACCD-41D8-8CAD-58332E23257A

DocuSign Envelope ID: 2719A052-ACCD-41D8-8CAD-58332E23257A

EXHIBIT B
PROPERTY DESCRIPTION: LOT 3

Legal Description Facility Site

A part of Lot 2 in Owner's Subdivision of part of the NW¼ of Section 15, Township 23 North, Range 2 East of the Third Principal Meridian, McLean County, Illinois, more particularly described as follows: Commencing at the northwest corner of Lot 2 in Owner's Subdivision of part of the NW¼ of Section 15 according to the Plat thereof recorded in Plat Book 9 on Page 82; thence N.89°-29'-46"E. 502.39 feet on the north line of said Lot 2 to the Point of Beginning; thence continuing N.89°-29'-46"E. 300.00 feet on the north line of said Lot 2; thence S.00°-25'-59"E. 459.60 feet to a point 1003.00 feet north of the south line of the NW¼ of said Section 15; thence S.87°-25'-14"W. 280.00 feet parallel with the south line of the NW¼ of said Section 15 to a point 1003.00 feet east of the west line of the NW¼ of said Section 15; thence N.02°-53'-43"W. 470.15 feet parallel with the west line of the NW¼ of said Section 15 to the Point of Beginning containing 3.09 acres, more or less, with assumed bearings given for description purposes only.



2. THE PROPOSED FACILITY IS SO DESIGNED, LOCATED AND PROPOSED TO BE OPERATED THAT THE PUBLIC HEALTH, SAFETY AND WELFARE ARE PROTECTED

2.1 INTRODUCTION

The proposed Lakeshore Recycling Systems, LLC (LRS) Henson Recycling Campus (HRC) Transfer Station is located in Section 15, Township 23 North, Range 2 East of the Third Principal Meridian. The proposed facility will be on a part of Lot 2 in Owner's Subdivision, Bloomington, McLean County, Illinois.

This section will detail that the HRC Transfer Station will comply with Criterion 2 of the Illinois Environmental Protection Act and is designed, located and proposed to be operated such that the public health, safety, and welfare will be protected.

This section will also address the Host Community Agreement (Appendix 2-A) with McLean County, the Water and Sewer Agreement (Appendix 2-B) with the City of Bloomington and the Preliminary Plan for HDI Subdivision Approval and Assessment Plat (Appendix 2-C) with McLean County.

2.2 SITE LEGAL AND GENERAL DESCRIPTION

A copy of the legal description for the property as described below is included in Appendix 2-D.

The proposed facility encompasses approximately 3.09 acres and is legally described as follows:

> A part of Lot 2 in Owner's Subdivision of part of the NW1⁄4 of Section 15, Township 23 North, Range 2 East of the Third Principal Meridian, McLean County, Illinois, more particularly described as follows: Commencing at the northwest corner of Lot 2 in Owner's Subdivision of part of the NW1⁄4 of Section 15 according to the Plat thereof recorded in Plat Book 9 on Page 82; thence N.89°-29'-46"E. 502.39 feet on the north line of said Lot 2 to the Point of Beginning; thence continuing N.89°-29'-46"E. 300.00 feet on the north line of said Lot 2; thence S.00°-25'-59"E. 459.60 feet to a point 1003.00 feet north of the south line of the NW1⁄4 of said Section 15; thence S.87°-25'- 14"W. 280.00 feet parallel with the south line of the NW1⁄4 of said Section 15 to a point 1003.00 feet east of the west line of the NW1⁄4 of said Section 15; thence N.02°-53'- 43"W. 470.15 feet parallel with the west line of the NW1⁄4 of said Section 15 to the Point of Beginning containing 3.09 acres, more or less.
>
> The proposed facility will be part of the HDI Subdivision, the preliminary Plan for which was approved by the McLean County Board on Feb. 16, 2023. In said Plan the proposed facility is legally described as:
>
> Lot 3 in HDI Subdivision being a part of the NW¼ of Section 15, Township 23 North, Range 2 East of the Third Principal Meridian, McLean County, Illinois.

2.2.1 Assessment Plat

The assessment plat is included as Sheet 5. This is the parcel for which siting approval is requested.

2.2.2 Aerial Photographs of the Site

An aerial photograph of the subject property is included as Sheet 2.

2.2.3 Identification of Property Owners

A limited liability corporation, TKnTK, LLC owns the property upon which the proposed transfer station will be located. Lease agreement is located in Appendix 2-E.

2.3 EXISTING CONDITIONS OF SITE AND ADJACENT PROPERTIES

The approximately 3.09 acre Henson Recycling Campus (HRC) Transfer Station is proposed to be located on the east side of the HRC directly south of the Roanoke Concrete Products facility.

2.3.1 Historical Property Uses

The proposed property has been used for industrial purposes for over 70 years with former Illinois Central Railroad and spurs running north-south through the area between Bunn Street and the proposed site.

2.3.2 Henson Recycling Campus

LRS owns Henson Disposal, LLC (Henson Disposal), which is the developer of the approximately 42-acre recycling campus (Henson Recycling Campus or HRC). As shown on Sheet 2, the HRC includes a scale, scale house, offices, various access roads, and the following:

- The area's only general construction or demolition debris (C&D) recycling facility – The C&D recycling facility includes a sorting system that separates recyclable materials from non-recyclable materials. The following materials are able to be recycled or beneficially re-used: metal, cardboard, wood, concrete, aggregates and soils.

- A woody waste mulching and recycling operation - Woody waste, such as branches and stumps, are ground into wood chips and then ground again into a saleable mulch. The mulch may also be colored based on customer demand. The mulch is primarily used for landscaping by local residents and businesses, but, depending on demand, may be sold to customers in the Chicagoland area.

- A concrete recycling operation - Source separated concrete is crushed and recycled into saleable products for various roadway, construction, and related uses. The operation produces multiple gradations of products based on customer demands.

- A concrete batch plant operated by Roanoke Concrete Products (Roanoke) – Roanoke produces and provides ready-mix concrete to local residents and businesses. Unused readymix concrete is returned the facility and recycled by incorporating back into the batch process or by creating a saleable aggregate material.

The HRC reduces the amount of C&D and other materials sent to landfills and helps McLean County meet its recycling goals.

2.4 LOCATION STANDARDS

2.4.1 Residential Properties

Section 22.14 of the Illinois Environmental Protection Act ("Act") states that a garbage transfer station may not be established less than 1000 feet from nearest property zoned primarily for residential uses or within 1000 feet of any dwelling.

The proposed transfer station is within an unincorporated area of McLean County zoned as M-2, General Manufacturing District. The nearest property zoned residential is over 1,050 feet to the west of the proposed facility. The nearest residence is 1030 feet to the southeast of the proposed facility in an area not zoned residential. The location of residential properties is shown on Sheet 3.

2.4.2 Floodplain Limits

The Federal Emergency Management Agency issues Flood Insurance Rate Maps to determine the 100-year floodplain. In reviewing these maps for the subject property, it was determined that the proposed transfer station is located outside of the 100-year floodplain. Section 4 of this report provides greater detail on this subject, including drawings depicting the facility relative to the floodplain.

2.4.3 Archaeological Study

The Illinois Historic Preservation Agency (IHPA) has determined that no significant historic, architectural, or archaeological resources are located within the vicinity of the proposed transfer station. Correspondence with the IHPA can be found in Appendix 2-F.

2.4.4 Airport Study

The proposed transfer station is approximately 2.75 miles southwest of the Central Illinois Regional Airport at Bloomington-Normal. A drawing showing the location of the nearest airport can be found on Sheet 4.

Transfer stations are not prohibited from being located nearby to airports. Federal Aviation Administration (FAA) Advisory Circular 15/5200-33C (Advisory Circular) provides guidance on certain land uses that have the potential to attract hazardous wildlife on or near public-use airports. The Advisory Circular indicates the following regarding MSW transfer stations:

- Enclosed waste-handling facilities that receive MSW behind closed doors; process it via compaction, incineration, or similar manner; and remove all residue by enclosed vehicles generally are compatible with safe airport operations, provided they are not located on airport property or within the runway protection zone.
- These facilities should not handle or store putrescible waste outside or in a partially enclosed structure accessible to hazardous wildlife.
- MSW transfer facilities that are open on one or more sides; that store uncovered quantities of municipal solid waste outside, even if only for a short time; that use semi-trailers that leak or have trash clinging to the outside; or that do not control odors by ventilation and filtration systems (odor masking is not acceptable) do not meet the FAA's definition of fully enclosed trash transfer stations.

The proposed transfer station is not located in a runway protection zone. As discussed in the operating plan, the proposed transfer station meets all of the above criteria so will be compatible with safe airport operations. Correspondence from the Central Illinois Regional Airport at Bloomington-Normal is located in Appendix 2-N.

2.4.5 Endangered Species Study

The Illinois Ecological Compliance Assessment Tool (EcoCAT) was utilized to determine if there are any threatened or endangered species in the project area. The review of natural resources by EcoCAT identified no record of State-listed or endangered species, Illinois Natural Area Inventory sites, dedicated Illinois Nature Preserves, or registered Land and Water Reserves in the vicinity of the proposed project location. This information was reviewed by the Illinois Department of Natural Resources (IDNR). Therefore, consultation under 17 ILL. Adm. Code Part 1075 is terminated. Correspondence from EcoCAT and IDNR is provided in Appendix 2-G.

2.4.6 Wild and Scenic Rivers

Illinois only has one registered Wild and Scenic River and it is the Middle Fork of the Vermilion River. This river is over 60 miles from the proposed transfer station. Documentation on this river is included in Appendix 2-H.

2.4.7 Identification of Wetlands on Property

An Approved Jurisdictional Determination (AJD) was completed by the Operations Division of the United States Army Corps of Engineers (USACE). In a letter dated December 19, 2018, the USACE determined that the 2.8 acres of forested wetland and five acres of deep water habitat present in the vicinity of the project area were “non-jurisdictional acres”. No wetlands are located on the subject property. A copy of the USACE letter is included in Appendix 2-I.

2.5 SITE DESIGN

The proposed site plan for the HRC Transfer Station is depicted on Sheet 6. The Host Community Agreement (Appendix 2-A) includes information which affects the HRC Transfer Station site plan. The specifics of the critical site design elements are addressed in the following sections of this document.

2.5.1 Entrance

The entrance to the HRC Transfer Station will be located off of HDI Court. The entrance geometry is designed based upon the proposed HDI Court alignment (Sheet 5).

Sheets 8, 9, 10, 11, and 12 depict the various truck turning templates for the facility, verifying that the entrance fully accommodates the development. All turning motions are accommodated with limited lane encroachment with other vehicles executing simultaneous turns. Additional final approval of all entrance design by McLean County will occur prior to construction of the entrance as well.

2.5.2 Access Roads and Interior Traffic Circulation

2.5.2.1 Access Roads

The access road for the facility will be at the end of HDI Court which will be a public street. The preliminary engineering plan prepared by Lewis, Yockey & Brown, Inc. includes the preliminary design of Bunn Road and HDI Court alignment. The preliminary engineering plan is included on Sheet 5.

2.5.2.2 Interior Traffic Circulation

Interior traffic circulation has been accounted for in the geometry of the proposed facility. This includes allowance for simultaneous turning motions by WB-50 design vehicles, which are representative of the waste transfer tractor-trailer vehicles to be utilized. These vehicles control the site geometry as they are the largest vehicles utilizing the facility. Sheets 8, 9 and 10 depicts traffic circulation patterns for the facility. Critical design criteria for the interior traffic circulation include the following:

- Only inbound waste collection trucks will scale on the interior road.
- Waste transfer vehicles will scale in the transfer station building on scales installed on the floor of the load-out bay.
- On-site staging of waste collection and transfer vehicles is accounted for, thus eliminating the possibility of backup of those vehicles off of the site.
- By-pass lanes for the scale allow for unimpeded traffic for non-scaling vehicles.
- Allowance for inbound waste collector truck stacking is accounted for (See Section 2.5.6)
- Facility staff will utilize radios and spotters with traffic flags to direct traffic as required during peak operational hours.

2.5.3 Security Measures

Security measures for the HRC Transfer Station will be implemented which will minimize unauthorized access and activity at the facility. Those measures are proposed to include, but not be limited to:

- An eight (8) foot screening fence with lockable gates at the facility entrance to prevent unauthorized vehicle access to the facility during non-operating hours.
- Incorporation of secured doors for all access points to the transfer station building and the office/scale house.

2.5.4 Weight Station Location and Design

The HRC Transfer Station will utilize electronic scales to accurately weigh and record the weights of the collector trucks and transfer trailers which utilize the facility. Inbound loaded collector trucks will be scaled on the inbound access road scale depicted in the site plan. Loaded waste transfer trucks will be scaled in the load-out bay on scales installed within the load-out bay itself. Establishment of empty (tare) weights for vehicles will occur on at least an annual basis, or as required to provide accurate records for the facility. These vehicles will be weighed empty on their way out of the facility on the outbound scale.

2.5.5 Parking On-site

Parking on-site for employees and other visitors utilizing passenger vehicles or light duty pick-up trucks is provided as depicted on the site plan. A total of eight regular parking spaces are provided for these passenger type vehicles.

Parking for empty transfer trailers at the facility is provided to the northeast of the transfer station building on the concrete pad to the east of the grassed area.

2.5.6 Vehicle Stacking

The critical consideration for vehicle stacking at the facility is an analysis for the inbound loaded collector vehicles which must be scaled upon entry to the site. The facility design allows room for at a minimum of six collector trucks to queue or stack behind the scale. A throughput analysis (Appendix 2-J) utilizing peak hour rates indicates that no collector trucks would be stacked at the inbound scale. As such, at the peak hour, collector trucks will not queue onto HDI Court. Allowance for queuing of inbound collector trucks and transfer trailers is accounted for in the site design.

2.5.7 Site Utilities

The two considerations for site utilities for the HRC Transfer Station are public water supply and sanitary sewer. Each is discussed below. The preliminary engineering plan depicts the sanitary sewer and water main site utilities for the HRC Transfer Station.

2.5.7.1 Public Water Supply

The aforementioned conceptual facility layout (Sheet 6) depicts construction of an 8" watermain along the north right-of-way of HDI Court and then north through an easement along the west boundary of the HRC Transfer Station site. The conceptual facility layout (Sheet 6) depicts the location of the water service line for the facility.

2.5.7.2 Sanitary Sewer

The aforementioned conceptual facility layout (Sheet 6) depicts an 8" sanitary sewer in the north right-of-way of HDI Court with connection to the HRC Transfer Station.

2.5.8 Office Structures

The office for the HRC Transfer Station will be located in the scale house building. This structure will serve to house both the office staff for the overall facility as well as the scale operator.

2.5.9 Transfer Station Facility Structures

The transfer station facility location on the site is depicted on the conceptual facility layout (Sheet 6). The transfer station facility structures are depicted on the building floor plan and proposed building elevations on Sheets 13 and 14. The transfer station facility will include a push wall along the entire west wall of the tipping floor and the western half of the southern wall of the tipping floor. A mechanical room with supporting equipment including fire suppression will be located along the southwestern corner of the transfer station. The air handling system will be roof mounted with filtration and ozone generators for odor control.

2.5.10 Water Supply and Requirements

As noted in Section 2.5.7.1 the preliminary design of the public water supply for the HRC Transfer Station includes a water service line connection.

The final building plans, which will be prepared as a part of the final site design, will include detailed mechanical, electrical, and plumbing design computations. Submission of the final design to McLean County, the Illinois Environmental Protection Agency for permitting, and the Bloomington Township Fire Protection District will assure the preliminary water service line and fire protection design is adequate.

2.5.11 Stormwater Management Measures

2.5.11.1 Transfer Station Site Stormwater Management

Stormwater run-off from the facility is directed to two underground detention systems on the northeast and south-central sides of the property through storm inlets along the eastern and southern sides of the facility and a drop inlet in the northwestern portion of the facility. The underground detention systems will accumulate the stormwater and slowly release the stormwater to the subdivision's detention basin to the east and south. Stormwater drainage inlet locations and both the underground detention systems can be seen on the Grading and Drainage Plan provided as Sheet 7. Stormwater computations have been prepared based upon the Storm Water Requirements of the McLean County Subdivision Ordinance and are included in Appendix 2-L.

The facility will complete a quarterly visual inspection of stormwater discharge. This inspection report will include the results of the stormwater inspection and shall also include documentation of any event involving a spill or facility operation failure associated with the potential pollution of stormwater. The annual inspection report will be completed on the standard Illinois EPA form and signed by an authorized facility employee who conducted the inspection.

Records of spills, leaks and other discharges will be documented and filed at the facility. Records of past spills or inspections associated with stormwater and stormwater pollutants will be filed in the quarterly report along with the measures taken to maintain the spill. Typical items that will be recorded at the facility will include the results of routine inspections and reported spills, leaks, or other discharges.

A Stormwater Pollution Prevention Plan (SWPPP) will be developed for submittal to the Illinois EPA Bureau of Water for management of stormwater run-off at the facility.

2.5.11.2 Site Location

The location of the site is depicted on Sheet 2.

2.6 OPERATIONS

Proper operation of the HRC Transfer Station involves strict adherence to a considerable variety of plans, controls, and procedures in order to ensure that the facility will satisfy its obligation to protect public health, safety, and welfare. This document contains relevant operational information including, but not limited to, the following items: waste disposal unit type, waste type, hours of operation, transfer station personnel, waste handling procedures, load checking program, wastewater management, transportation, maintenance, and reporting.

The HRC Transfer Station will be developed as a waste transfer facility with the intent to properly receive and transfer permitted waste materials from local, county, municipal and private customers to a landfill.

HRC Transfer Station shall comply with all requirements, stipulations and definitions not specifically noted within this Operations Plan as described within the Host Community Agreement executed on November 10, 2022 between McLean County, Illinois and Henson Disposal, LLC (owned by LRS).

The Host Community Agreement is included as Appendix 2-A.

2.6.1 Hours of Operations

During typical operations, the HRC Transfer Station will be open on the following schedule:

Monday through Friday	6:00 a.m. to 6:00 p.m.
Saturday	6:00 a.m. to 12:00 p.m.

2.6.2 Quantity of Waste Accepted

It is anticipated that the transfer facility will have a maximum daily average of 400 tons per day. The maximum average Saturday throughput is expected to be 200 tons per day. Estimated quantities of various types of waste materials are provided in Table 1.

2.6.3 Anticipated Quantities of Waste by Waste Type

A waste quantity estimate by type or source is provided in Table 1.

TABLE 1 MAXIMUM DAILY AVERAGE WASTE MATERIAL THROUGHPUT BY TYPE		
Material Type	**Average % of Total Throughput**	**Maximum Daily Average Tons**
Residential Waste	84%	336
Commercial Waste	12%	48
Single Stream Recyclables	4%	16
Industrial Waste	0%	0
C & D Debris	0%	0
Landscape Waste*	0%	0
TOTAL	100%	400

The specific source and composition of the waste materials will be dependent on the haulers and generators who elect to utilize the facility and will be subject to market related fluctuations; therefore, Table 1 is strictly to be interpreted as a best estimate.

2.6.4 Identification of Acceptable Waste Types

The HRC Transfer Station will accept delivery of residential and commercial waste, and single stream recyclables. Accepted waste will be collected primarily, but not exclusively, from residences, businesses and institutions in the City of Bloomington and greater McLean County region. The facility will not accept hazardous waste, potentially infectious medical waste, asbestos waste, all types of special waste, nor liquid waste. No commercial landscape waste service collections will be accepted at the facility.

Lead-acid batteries as defined in Section 22.23(h) of the Illinois Environmental Protection Act (Act) will not be accepted for disposal. No hazardous wastes, as defined in Section 3.15 of the Act and requiring Resource Conservation and Recovery Act (RCRA) Subpart C permitting, will be accepted at the HRC Transfer Station.

2.6.5 Notice to Generators and Transporters

A prominent sign at the entrance of the HRC Transfer Station will state that disposal of hazardous waste, special waste, and landscape waste is prohibited.

2.6.5.1 Procedures for Excluding Regulated Hazardous Wastes

The operator has implemented a load-checking program for detecting and discouraging attempts to dispose of regulated hazardous wastes as well as other excluded waste streams at the HRC Transfer Station (see Section 2.6.12).

2.6.6 Waste Transfer Operational Plan

LRS will provide continuous onsite management of the transfer facility during operating hours. The level of employment at the facility will be dictated by the basic business volume, but will be sufficient to comply with the requirements of this Operating and Reporting Plan and with the provisions of the permit and the State regulations.

The transfer operation will employ a basic, proven tipping-floor/manual-sort type system. Incoming collection vehicles will deposit waste onto the tipping floor within the transfer building. The waste will then be screened to remove prohibited materials. Manual sorting will be implemented, as necessary, to remove or separate prohibited materials for further processing. The waste will be loaded into open-top transfer trailers for transport to a landfill or other permitted disposal facility. No loading, unloading of solid waste will take place outside of the transfer building.

All vehicles will enter and leave the facility site through a gate at the end of HDI Court. Loaded inbound waste collection trucks including packers, roll-offs and dump trucks will proceed east then northeast to the inbound scale to be weighed and/or checked-in. Only pre-authorized trucks will be admitted. Incoming vehicles will be directed by a spotter or office personnel to control traffic flow between collection vehicles and transfer trailers during peak volumes or as needed.

The loaded inbound trucks will then be directed around the south side of the building to the east side (front) of the transfer building. Inbound trucks will then back into the building through one (1) of the three (3) 20-foot wide overhead entry doors. They will discharge their loads onto the tipping floor and will then exit the building and proceed back onto HDI Court. Under normal operating conditions (e.g. no equipment malfunction or other unforeseen hindrance), a typical packer should be able to enter the transfer station building, discharge the load, remove remaining debris and exit the transfer station building within an average of 5 - 7 minutes.

Overhead doors to the tipping floor will be automated, powered doors, which will be opened and then closed one at a time. Only one overhead door may be open at any given time to produce a negative airflow preventing uncontrolled emissions from the building.

At the north end of the building, there will be a loadout with a single entry/exit overhead door, with access from the east, where open-top transfer trailers can be spotted below tipping floor level.

The trailers will be backed from the east (front) entrance and loaded with waste by a front-end loader operating on the tipping floor. When a trailer is fully loaded, prior to exiting from the east entry/exit overhead door, it will be tarped with the automated tarper and weighed in the loadout pit by permanently-installed scales to ensure the gross weight does not exceed maximum legal loads weight limit.

The overhead door to the loadout will be opened only to allow entry and exit to transfer trailers. During loading operations, the overhead door will be closed. Every effort will be made to operate the facility with the overhead doors closed when inbound and outbound traffic does not require the opening of the overhead doors.

Under normal operating conditions (e.g. no equipment malfunction or other unforeseen hindrance), a transfer trailer should be able to enter the facility, be loaded to a legal weight, tarped, and exit the facility within an average of 15-20 minutes. Exiting vehicles transporting municipal solid waste will exit the HRC Transfer Station onto HDI Court en route to their final permitted disposal destination.

Tare weights of incoming vehicles will need to be established initially and on a recurring annual basis or as necessary. These weights will be stored electronically and utilized for future loads. Incoming vehicles will be weighed empty prior to exiting the facility at the scale house. Tare weights for incoming transfer trailers will be established at the same frequency via the permanently-installed scales within the loadout pit.

Minimal salvaging operations will be allowed at the HRC Transfer Station to pull recyclables and C&D materials.

It is estimated that the transfer facility will have 5 employees (see Table 2). During peak periods, additional employees may be hired on an as-needed permanent or temporary basis.

TABLE 2 PERSONNEL ESTIMATE	
Staff Position	**Number of Employees(1)**
Scale House Attendant	1
Laborers	1
Equipment Operators	2
Supervisor & Assistant	1
TOTAL	5

(1) On-site personnel could vary with operating volume.

The following subsections describe the personnel for supervision and operation of the HRC Transfer Station.

2.6.6.1 Transfer Station Manager

The Transfer Station Manager shall be the County's point of contact for matters relating to the HRC Transfer Station and/or the Host Community Agreement. This person is responsible for overall site management, day-to-day operations, overall compliance with the IEPA permits and Illinois rules and regulations that govern waste transfer facilities, and for all general matters of the site. This person administers the HRC Transfer Station's site development plan, will serve as the emergency coordinator, and is responsible for assuring that the site operations are conducted in accordance with goals in the interest of HRC Transfer Station and McLean County. The Transfer Station Manager reports directly to LRS for all budgetary, operational, and compliance matters.

The Transfer Station Manager shall have an office on the HRC Transfer Station property.

2.6.6.2 Equipment Operators

At least two (2) equipment operators will be dedicated for operation and maintenance of heavy equipment, loading and unloading of waste materials and general facility maintenance. One of the equipment operators will be designated as the Foreman and, in the absence of the Transfer Station Manager, will be in responsible charge. As need dictates, additional equipment operators will be utilized.

2.6.6.3 Laborers

Laborers will be employed, part or full time, to provide labor for miscellaneous tasks during normal operations, including but not limited to, general site maintenance, mowing and trimming, litter pickup and construction activities.

2.6.6.4 Gate/Scale House Attendant

The Gate/Scale House Attendant will be responsible for acceptance of all material into the transfer facility and completion of all records associated with such waste receipt; these records include the daily record of waste receipts and associated manifests, if required. At least one (1) additional site employee will be trained in the Gate/Scale House Attendant duties to ensure that the proper waste acceptance records will be maintained in the event that the Gate/Scale House Attendant is absent from the site during operating hours.

Additional site personnel or laborers may be employed from time to time in categories such as maintenance, construction, litter abatement and general site cleanup.

2.6.7 Overnight Storage of Waste Onsite

The tipping floor shall be free of waste and cleaned by the end of each operating day. No waste shall be left on the tipping floor inside the transfer building on the Property overnight, except in no more than three (3) partially to fully-filled transfer trailers, provided that such trailers are stored inside the transfer station building and tarped.

2.6.8 Identification of Disposal Sites

Market forces and availability of airspace at local permitted disposal facilities will dictate the destination facilities utilized for waste which will be transferred to a landfill from the HRC Transfer Station. Section 1.4.2 of the Facility Needs Assessment Report, located in Section 1 of this application, lists disposal sites anticipated to be utilized. Multiple disposal facilities under the operation of different entities are available within a reasonable distance from the proposed location of the HRC Transfer Station.

2.6.9 Identification of Proposed Railroad Activities

LRS does not have any current or future plans to implement rail activities to or from the proposed facility.

2.6.10 Equipment Requirements

The exact list of equipment required for proper site operation will likely vary from time to time depending on equipment availability, season and volume of waste acceptance. Initial and routine operation will be accomplished with the following equipment, which is expected to remain consistent as a minimum through the duration of the operational life:

Two (2) rubber-tire front-end loaders
One (1) mechanical street sweeper

The availability of equipment to perform the assigned tasks is heavily dependent on the quality of the equipment maintenance. The equipment operators and/or additional site staff will be responsible for proper maintenance of all mechanical equipment employed at the site. Manufacturer's specification for routine preventative maintenance and repair will be strictly followed. The recommended routine maintenance schedules should be followed to ensure that sufficient equipment will remain in top working order, allowing proper operation of the transfer facility. If breakdowns or equipment downtime occur that would prevent efficient operation, back-up equipment will be brought to the site. Equipment operators or additional staff will immediately notify the Transfer Station Manager such that preliminary arrangements can be made for back-up equipment to ensure that unnecessary delays do not occur.

All safety, communications and mechanical equipment at the transfer facility shall be inspected and maintained in accordance with the manufacturer's recommendations. A schedule shall be established and followed for conducting recommended routine preventative maintenance such as changing filters, changing and/or adding lubricants, introducing antifreeze, etc. Standby equipment shall be cleaned, recharged, etc., as appropriate, as soon as practical after each use to maintain its ready standby capability. Necessary equipment and associated appurtenances shall be repaired or replaced as soon as practical after found to be faulty or worn out.

2.6.11 Facility Cleaning Procedures

The Transfer Station Operator will provide a street sweeper to remove mud and dust tracked on to hard surfaces inside the property on an as needed basis, but not less frequently than daily. All access drives, parking areas, storage areas and vehicle maneuvering areas on the property shall be paved and swept with a street sweeper as needed, but not less frequently than daily. If required, power washing of the facility will be performed as needed.

2.6.12 Load Checking Program

The operator will implement a load-checking program for detecting and discouraging attempts to dispose of regulated hazardous wastes at the HRC Transfer Station. It also incorporates similar procedures to detect and discourage attempted disposal of unauthorized non-hazardous wastes as well as wastes that may be legal but not authorized.

Regulated hazardous wastes are those wastes defined as such by the Federal Resource Conservation and Recovery Act (RCRA) and delineated by 35 Ill. Adm. Code Part 721. Because the list of unauthorized wastes for Illinois landfills will change from time to time, it is important that the management and gate personnel remain aware of these criteria.

A sign shall be placed at the check-in point indicating which wastes the HRC Transfer Station will not accept. Additionally, the following statement will be posted:

THIS FACILITY EMPLOYS A FORMAL LOAD-CHECKING PROGRAM. ALL WASTE DELIVERIES ARE SUBJECT TO INSPECTION AND VIDEO OR PHOTO DOCUMENTATION.

The formal load-checking program will consist of, at a minimum, the following components:

2.6.12.1 Random Inspections

Informal load checking will be the responsibility of all employees, particularly those that work at the entrance and active transfer areas. Each employee should always be alert for unauthorized waste and will notify management personnel if any suspicious receipts are noted. A formal load inspection should take place anytime there is suspicion of attempted improper disposal.

A formal load-checking program will be conducted by an inspector, designated by the Transfer Station Manager, who will examine at least three (3) random loads of solid waste delivered to the transfer facility on a random day each week. The Transfer Station Manager will be responsible for selecting the random schedule and ensuring that the schedule is undisclosed until time of implementation. The drivers randomly selected by the inspector will be directed to discharge their loads at a location away from the active transfer area within the HRC Transfer Station building. Utilizing appropriate safety clothing, the inspector will conduct a detailed inspection of the discharged material for any regulated hazardous or other unacceptable wastes that may be present. Assuming no improper waste materials are found during the inspection, the hauler will be allowed to leave and the inspected material will be promptly transferred and placed with other daily receipts. Cameras or other devices may be used to record the visible contents of solid waste shipments. Where such devices are employed, their use is designated on a sign posted near the entrance to the HRC Transfer Station. If regulated hazardous wastes or other unacceptable wastes are suspected, site personnel will communicate with the generator, hauler and/or gate personnel to determine the origin of the waste. A copy of the Load Inspection Record Form is included in Appendix 2-K.

2.6.12.2 Procedure for Handling Regulated Hazardous Waste

If any regulated hazardous wastes are identified by random load checking or are otherwise discovered to be improperly deposited at the HRC Transfer Station, site personnel will promptly notify the Illinois EPA and McLean County, the person responsible for shipping the wastes to the transfer facility and the generator of the wastes, if known. Waste loads identified through the random load checking with unacceptable waste will not be accepted. The area where the regulated hazardous wastes are deposited will immediately be cordoned off from public access. The HRC Transfer Station will assure the cleanup, transportation and disposal of the waste to a permitted hazardous waste management site. The party responsible for transporting the waste to the HRC Transfer Station will be responsible for the costs of such proper cleanup, transportation, and disposal.

Subsequent shipments by persons or sources found or suspected to be previously responsible for shipping regulated hazardous waste will be subject to special precautionary measures prior to further waste acceptance by the HRC Transfer Station. These precautionary measures may include questioning the driver concerning the waste contents prior to discharge and visual inspection during the discharge of the load.

2.6.13 Traffic Pattern (On Site)

The transportation plan for the proposed HRC Transfer Station will rely upon the existing and proposed offsite roadways to the site, which initially includes HDI Court via Bunn Road. Sheets 8, 9, 10, 11 and 12 depict traffic patterns for various operational scenarios.

A proposed site access from HDI Court will be the only access to the facility. A screening fence with a lockable gate will restrict unauthorized access to the site. The office, transfer building and scales are located inside the gate.

As vehicles enter the site, pavement markings and/or signs will direct the vehicle which lane to use. A spotter will be stationed at the entrance to assist/direct vehicles as needed (see Sheets 8 through 10).

HRC Transfer Station will be implementing an electronic ticketing system at the site to minimize time on the scales and the ticketing/receipt process. This system is used at other facilities in the state. The process includes the following:

- For the inbound trucks, the scale clerk simply records the company name, license plate, driver, material, weight, and related information. The process is very quick, and the truck generally only needs to stop for about ten seconds on the in-bound scale.
- HRC collects and stores tare weights (empty weights) of each of the packer trucks for its own vehicles and regular customers (recalibrated monthly). The stored tare weight is then used for each transaction, which allows those vehicles to predominantly bypass the outbound scale. For these customers, the scale clerk routinely sends a batch ticket to the designated customer via email.
- For those that do need to proceed over the outbound scale, a large monitor/screen (approximately 50 inches) and corresponding camera system will be present which will display the truck, license plate, driver, tare- weight and related information. The driver can take a picture of the monitor/screen with their phone, opt for an emailed ticket, or request a printed ticket/receipt.

- For those that request a printed ticket/receipt or need to provide payment, the vehicle will pull off the scale and park in the designated area along the north side of the exit drive. A scale assistant will then obtain payment and/or print the ticket/receipt from a handheld device. This eliminates the driver exiting the truck or entering the office, and dramatically decreases the per truck scale time.

A spotter will also be present at the queuing areas for the transfer station building (see Sheets 8 through 10). The spotters will communicate to the waiting vehicles when a loading area is available and which to use. They will assist outbound vehicles as needed regarding the outbound route.

2.6.14 Facility for Employees

Complete employee facilities will be provided to aid in the efficient and proper operation of the transfer facility. The scale house will be maintained in the approximate location shown on the site drawings. Facilities will contain employee amenities including lighting, heat, potable water and toilet provisions. All buildings will be equipped with a first aid station, emergency plans and telephone numbers, health and safety plans, and Material Safety Data Sheets available to all employees and visitors.

Electric service will be available on site and will be utilized for lighting, heating/cooling and other items as necessary. Telephone service will be available at the site and will be utilized for routine and emergency communications. Two-way radios and/or cell phones will be used for communication among employees and for emergency purposes.

2.6.15 Fueling Procedures

HRC Transfer Station shall comply with those requirements for the safe use of flammable and combustible liquids are listed in OSHA's general industry standards (29 CFR 1910.106). HRC Transfer Station intends to designate a safe location for refueling activities. Refueling of equipment shall not take place in hazardous areas or around heat sources.

Additional criteria for refueling procedures are as follows:

i. Equipment engines shall be terminated during refueling.
ii. The entire facility shall be designated as No Smoking.
iii. Unless otherwise required, refueling shall take place at the end of each day – outside of normal operational hours.

2.6.16 Litter Control

At a minimum, designated employees of HRC Transfer Station shall patrol and remove litter from the HRC Transfer Station and all public streets within three-quarters (3/4) mile from the gate of the HRC Transfer Station.

To provide litter control, the following practices will also be employed in conjunction with the operations of this facility:

1) The operator shall patrol the facility daily to check for litter accumulation. All litter shall be collected and placed in the transfer building or in a secure, covered container for later disposal.
2) The facility shall not accept solid waste from vehicles that do not utilize devices such as covers or tarps to control litter. Additional information is provided below.
3) Fences and natural barriers will surround the facility to further prevent offsite migration of fugitive materials. Additional information is provided below.
4) No solid waste shall be loaded, unloaded, or otherwise placed either temporarily or permanently outside the transfer building.

Unloading, transferring and loading of all waste will be performed within the transfer station building to minimize the potential for wind-blown distribution of litter. Tarps on all loaded incoming and outgoing open-top trucks will contain the waste to prevent its escape onto the grounds or the public roadways. Loaded transfer trailers will be tarped using auto tarpers prior to exiting the loading pit. The loading pit will be constructed such that the tractor will be on level ground while tarping. HRC Transfer Station will use the ratchet side roll for open top trailers manufactured by Mountain Tarp or equivalent. Any waste transfer brokers which are used will be required to use a similar auto tarper. HRC Transfer Station shall use its best efforts to assure that vehicles hauling waste to and from HRC Transfer Station shall be suitably covered so as to prevent waste from leaving the vehicles. LRS Tarping Policy is located in Appendix 2-M.

Screening fence surrounds the HRC Transfer Station property, and assists in keeping any windblown litter from leaving the site. In order to ensure the effectiveness of these litter prevention measures, HRC Transfer Station will patrol the site during hours of operation to collect any litter. Any litter collected will be added to the waste being managed on the tipping floor.

Manual labor will be used to police all litter that is not caught by the control devices and escapes the active transfer area. Collected litter will be placed in the transfer facility.

2.6.17 Vector Control Procedures

Potential disease-carrying vectors, such as rodents, flies, and birds, are normally not a problem at a well-operated transfer facility. All incoming waste materials will be processed on a first-in, first-out basis to minimize infiltration time for vectors. All incoming waste materials will be removed prior to the end of the working day to mitigate possible food sources. The operation of heavy equipment and the truck traffic will discourage infestation of rodents and birds.

The building will remain secure and closed outside of operating hours to limit access from outside vectors to the building interior with overhead doors operated to minimize the time the building is open to the outside environment. Only one overhead door may be open at any one time and will be a fast operating door to minimize the time that the overhead door is open. The transfer station building will also have an air handling system that maintains a negative pressure within the building and controls odors originating from within the building. The air handling system is filtered before emitting to the exterior of the building.

Pest control services will be employed and will include as a minimum one site visit per quarter. More frequent site visits will be conducted if required to assure vector control is maintained.

2.6.18 Wildlife Hazard Mitigation

The site proposes to perform the following to mitigate potential wildlife hazards:

- Train Staff: The site will create their own wildlife hazard management plan, which will state how trained staff will monitor and deter certain wildlife species. The wildlife hazard management plan will assign titles and responsibilities to individuals whom will be responsible for wildlife control activities. Management will train assigned facility employees on the role they will play to reduce wildlife hazards (e.g. use of pyrotechnic harassments). If any questions about the formation, implementation, or general questions about the contents of the management plan ever occur, a qualified airport wildlife biologist will be consulted.
- Install Anti-Perching Devices: Anti-perching devices will be installed on building edges of the transfer station building.
- Perform Routine Wildlife Surveys: The site will perform quarterly wildlife surveys to ensure that the wildlife mitigation techniques are working as intended. The inspections will include the transfer station building, and any observed small gaps that may allow birds to enter the building will be sealed.

- Use of Deterrents in Misters: Misters will be installed in the transfer station building. A deterrent (e.g., methyl anthranilate, which is a grape-flavored food grade additive that acts as an irritant to birds when applied to the air) can be used in the misters, as needed, to prevent birds from nesting and/or entering the building.
- Install Netting Along Roof Structures: Netting will be installed along the bottom of roof structures, as needed, to prevent birds from accessing flat areas (where birds like to roost and nest).
- Focus Ventilation: Duct work will be installed, as needed, to provide focused ventilation where odors are anticipated to be more prevalent (e.g., MSW staging areas).
- Riprap around the basin: Add riprap to the basin to preventing birds, such as waterfowl, from walking into or out of the pond. This feature will be extended further into the grass, widening the buffer between the water and grass.
- Monitor Wildlife With Game Cameras: Wildlife at the basin will be monitored with game cameras, which will capture wildlife utilizing the ponds when employees are not present. Checking the cameras periodically will provide information regarding the time and type of wildlife using the basin. Trained staff can then mitigate the hazards as needed.
- Vary Harassment: To keep the birds from becoming accustomed to harassment tactics, the site will designate an employee or employees to periodically patrol the basin and harass any birds observed.
- Maintain Grass Height: The grass around the basin, if any beyond the riprap area, will be maintained at a height (approximately twelve inches) that allows easy inspection of the basin so that any wildlife may be harassed to leave the area.
- Install Cabling System: A cabling system will be installed on the basin to keep most waterfowl and wading birds from utilizing the basin. The cabling system involves running cables from one side to another in one direction (north to south) as shown on Sheet 15.

2.6.19 Indoor Air Quality

The HRC Transfer Station will include an air handling system consisting of filtered exhaust air and outside air intake wall louvers for purposes of providing air changes in the building for worker safety. The air handling filtered exhaust fans will be operated by CO and NOx sensors to measure the gas levels in the building resulting from equipment and/or vehicle operation within the building. The system will be designed to provide adequate air changes per hour.

2.6.20 Outdoor Air Quality

The HRC Transfer Station shall make efforts to control dust and odor by reasonable methods. Overhead doors will be fast opening and fast closing to help maintain a negative air flow into the transfer station building.

Periodic cleaning of the main entrance driveway will also be performed.

2.6.21 Odor Control Procedures

Odors will be controlled at the facility through several effective design and operating features. Waste will be delivered primarily in enclosed vehicles, and tarps will be required on all non-enclosed loads. Unloading, transferring, and loading operations will be performed within the building. Waste will be removed from the tipping floor with a frequency adequate to greatly minimize the generation of odors. The cleaning procedures discussed in Section 2.6.11 will also help control odors.

The HRC Transfer Station will perform the following to control odors:

- Conduct all MSW handling and transfer operations completely indoors.
- MSW will be delivered primarily in enclosed vehicles, and tarps will be required on all non-enclosed loads.
- Unloading, transferring, and loading operations for MSW will be performed within the building.
- MSW will be removed from the tipping floor with a frequency adequate to greatly minimize the generation of odors.
- The MSW tipping floor areas will be cleaned with a pressure washer as needed.
- If malodors are detected off-site, the source of odor generation will be removed from the site, and the off-site condition will be monitored by site personnel to insure against reoccurrence. If a continuous source of odorous materials is identified, the generator will be contacted and advised that the materials must be effectively treated for odor control or the service will be discontinued and the materials no longer brought to the site.

Due to the site's proximity to the Central Illinois Regional Airport at Bloomington-Normal, the HRC Transfer Station building will be equipped with a ventilation and filtration system. The ventilation system will remove air from the building and be designed to work in conjunction with the building design and operations to provide a negative air pressure condition within the building. The filtration system will be designed to effectively eliminate any odors from the exhaust. The ventilation and filtration system will include the following:

- Ventilation fans mounted in the roof or outside walls of the transfer station building;
- A duct system at the inlet of each ventilation fan;
- Ozone generating equipment and dispersion device installed within each duct system which will destroy any odorous compounds or bacteria; and
- A particulate filter system at the inlet of each ventilation unit.

The transfer station building will be equipped with fast opening/closing doors at all vehicle ingress/egress locations including openings for transfer trailers and waste collection vehicles.

The doors will open and close automatically based on sensors or employees serving as spotters will open and close the doors as vehicles enter and exit the transfer station building. The doors are sized and will be operated to minimize the area open to the outside at any one time (which will maximize the effectiveness of the ventilation system).

2.6.22 Noise Control Procedures

Noise generated from the site as a result of the transfer facility will primarily occur from equipment operation during operational activities. In accordance with 35 Ill. Adm. Code 901.107(d), 35 Ill. Adm. Code 901.102 through 901.106 inclusive does not apply to sound emitted from equipment used for construction.

Noise generation during operational activities will be controlled by the following mitigating measures:

1) All equipment shall be equipped with mufflers or other sound dissipative devices, as necessary, for compliance with 35 Ill. Adm. Code 901.102, 901.103, 902.101 and 902.121, as appropriate.
2) To the greatest extent possible, operation of site equipment will be limited to within the confines of the HRC Transfer Station.

Based upon the above described factors, this HRC Transfer Station is not expected to cause or contribute to a violation of 35 Ill. Adm. Code 900 through 905 or of Section 24 of the Illinois Environmental Protection Act.

2.6.23 Training Personnel

The Transfer Station Manager will ensure that the employees of the HRC Transfer Station (i.e., Scale Operators, Load Inspectors, Equipment Operators, etc.) are trained and knowledgeable of the contents of this plan. In-house training will address the following topics:

- Customer notification and load inspection procedures
- Identification of hazardous wastes, PCB wastes, and other prohibited wastes
- Waste handling procedures (acceptable and prohibited wastes)
- Health and safety
- Fire safety
- Recordkeeping

The HRC Transfer Station will train managers, designated inspectors, equipment operators and all other appropriate site personnel in the identification of potential sources of regulated hazardous wastes.

Each of these employees will be provided with literature in this regard and will be required to remain familiar with any updated lists of unauthorized wastes. The training program will emphasize familiarity with containers typically used for regulated wastes and with labels for regulated hazardous wastes under RCRA, and for hazardous materials under the Hazardous Materials Transportation Act (49 USC 1801 et seq.). Periodic personnel meetings will be held to ensure that all staff members remain cognizant of waste acceptance criteria.

Documentation of training will be placed in the site operating record. Selected Load Inspectors, Equipment Operators, and other personnel may receive additional training at approved training courses, as deemed appropriate by the Transfer Station Manager.

2.6.24 Fire Control Protection

The transfer station will have a dry pipe fire suppression system, a Fire Rover, a fire hydrant within 20 feet of the transfer station building and fire extinguishers on all equipment. Additional details about the fire control protection is included in Criterion 5 – Plan of Operations.

2.6.25 Lockout/Tagout Procedures

HRC Transfer Station train each worker pursuant to the OSHA standard for The Control of Hazardous Energy (Lockout/Tagout) (29 CFR 1910.147) for general industry to ensure that they know, understand, and are able to follow the applicable provisions of the hazardous energy control procedures. Facility employees shall be trained in the purpose and function of the energy control program and have the knowledge and skills required for the safe application, usage and removal of the energy control devices.

Facility employees who work in the area where the energy control procedure(s) are utilized shall be instructed in the purpose and use of the energy control procedure(s) and about the prohibition against attempting to restart or reenergize machines or equipment that is locked or tagged out.

All employees who are authorized to lockout machines or equipment and perform the service and maintenance operations shall be trained in recognition of applicable hazardous energy sources in the workplace, the type and magnitude of energy found in the workplace, and the means and methods of isolating and/or controlling the energy.

2.6.26 Insurance Coverage

LRS shall ensure and maintain insurance coverages pursuant to Section 13 of the Host Community Agreement.

2.6.27 Record Keeping Procedures

LRS will maintain an Operating Record that includes copies of all applications submitted, monitoring data submitted or received, and all information demonstrating compliance with the permit and all appropriate regulations. Pursuant to Section 7.a. of the Host Community Agreement, HRC Transfer Station will maintain daily records of the amounts and types of authorized waste received at the transfer station, including disposal tickets or logs showing the amount in tons of authorized waste brought into the transfer station, recycled material and/or other materials recovered from such authorized waste, and waste subject to the host fee for each truck transferring material from the transfer station. HRC Transfer Station shall keep records of the hours of operation of the transfer station, the amount of the host benefit fee payable on each ton of waste subject to the host fee in each calendar quarter, and the total host benefit fee payable during each calendar quarter. The Operating Record will contain all the information previously submitted to prove compliance and will be available for inspection at all reasonable times. The Operating Records for the HRC Transfer Station will be located on site or other designated location. Permission will be obtained from the Illinois EPA before alternative schedules for recordkeeping and notification is utilized.

As it becomes available, additional information regarding the following subjects will be recorded and retained in the Operating Record:

1. Inspection records, training procedures and notification procedures required by the Load Checking Program
2. Cost Estimates and Financial Assurance documentation for Closure and Post-Closure Care
3. Any location restriction documents

2.6.27.1 Daily Tonnage Receipts by Waste Type

Pursuant to Section 7 of the Host Community Agreement, LRS shall maintain complete and accurate books and records of waste, recovered materials and recyclables accepted at the transfer station sufficient to determine the amount Host Benefit Fees payable to the County, including without limitation, weight tickets for each vehicle delivering waste, recovered waste and recyclables to the transfer station. LRS shall make such books and records available for audit by the County or its agent upon reasonable notice of not less than five business days at the transfer station during regular business hours.

2.6.27.2 In County Daily Tonnage Receipts

Pursuant to Section 7 of the Host Community Agreement, LRS shall maintain complete and accurate books and records of waste and recyclables accepted at the transfer station sufficient to determine the amount Host Benefit Fees payable to the County, including without limitation weight tickets for each vehicle delivering waste, recovered waste and recyclables to the transfer station. LRS shall make such books and records available for inspection and copying by the County or its agent upon reasonable notice of not less than five (5) business days at the transfer station during regular business hours.

2.6.27.3 All Regulatory Correspondence

All regulatory correspondence related to the facility will be maintained at the scale house.

2.6.27.4 All Environmental and Regulatory Inspection

Records of all environmental and regulatory inspections related to the facility will be maintained at the scale house.

2.6.27.5 Load Inspection and Load Discrepancy Reports

Pursuant to Section 7 of the Host Community Agreement, all records required (either by federal, state, county or city approvals, permits or regulations or transfer station operator commitments) to be maintained by LRS.

Information and observations derived from each random inspection will be recorded in writing and retained at the HRC Transfer Station for at least five (5) years. The recorded information will include, at a minimum:

1) The date and time of the inspection;
2) The names of the hauling firm and the driver of the vehicle;
3) The vehicle license plate number;
4) The source of the waste, as stated by the driver; and
5) Observations made by the inspector during the detailed inspection, including photo-documentation. The written record will be signed by both the inspector and the driver.

A video CCTV surveillance system shall be installed within the HRC Transfer Station that will record active operations. Video archives will be stored via hard disk for an approximate rolling 30-day period.

2.6.27.6 Accident Records

Under the OSHA Recordkeeping regulation (29 CFR 1904), LRS shall be required to prepare and maintain records of serious occupational injuries and illnesses, using the OSHA 300 Log.

2.6.27.7 Wastewater Generation and Handling

The following section details aspects related to disposal, monitoring, and system inspection and maintenance of the wastewater control systems. These same aspects of the wastewater collection system for the scale house are described in the Section "2.5.7.2 – Sanitary Sewer" of this application.

The final development of the HRC Transfer Station includes construction of sanitary sewer to the city of Bloomington sewer system. Upon completion of sewer construction, the scale house sewer will be connected to the city of Bloomington sewer system.

The transfer station will have a separate holding tank for wastewater that will be pumped and hauled to a publicly owned treatment works. Wastewater levels will be monitored via in-tank sensors with an audible and visual alarm.

2.6.28 Operational Contingency Plans

The Plan of Operations located in Section 5 of this application is designed to minimize hazards to human health or the environment which may result from a fire, explosion or any unplanned release of non-hazardous waste or raw materials to the air, soil or surface waters from the operations at the HRC Transfer Station. The provisions of this plan will be carried out immediately whenever there is a fire, explosion, or unplanned release of non-hazardous waste, which could threaten human health or the environment. The plan also includes a weekly transfer station inspection form. Weekly inspections will be completed to minimize operational deficiencies and initiate any corrective action required for safe facility operation. The HRC Transfer Station Plan of Operations is included in Section 5 and includes an appendix which details an Accident, Fire Prevention and Contingency Plan.

Internal communications at the facility are provided by runners as well as two-way radios and/or cell phones. Warning signs are posted to prevent injury to unauthorized personnel in active areas. Telephones are located at the scale house. These phones may be used to summon emergency assistance from the local police and fire departments.

2.6.28.1 Equipment Failure

Equipment failure at the facility will be managed based upon the nature of the equipment and its relative importance to the ongoing daily operations.

Non-essential equipment, such as pumps, air compressors and other small mechanical implements not directly related to the facility's immediate ability to appropriately handle incoming waste at the transfer facility will be repaired or replaced on an as-required/as-needed basis.

Essential equipment, such as front end loaders, will be immediately repaired or replaced by rental equipment to ensure incoming waste will be properly handled. In the event that timely repair and/or replacement may not be accomplished, waste haulers utilizing the facility will be directed to alternatively haul their loads to another permitted transfer facility or landfill.

The availability of equipment to perform the assigned tasks is heavily dependent on the quality of the equipment maintenance. The equipment operators and/or additional site staff will be responsible for proper maintenance of all mechanical equipment employed at the site. Manufacturer's specification for routine preventative maintenance and repair will be strictly followed. The recommended routine maintenance schedules should be followed to ensure that sufficient equipment will remain in top working order, allowing proper operation of the transfer facility. If breakdowns or equipment downtime occur that would prevent efficient operation, back-up equipment will be brought to the site. Equipment operators or additional staff will immediately notify the Transfer Station Manager such that preliminary arrangements can be made for back-up equipment to ensure that unnecessary delays do not occur.

All safety, communications and mechanical equipment at the transfer facility shall be inspected and maintained in accordance with the manufacturer's recommendations. A schedule shall be established and followed for conducting recommended routine preventative maintenance such as changing filters, changing and/or adding lubricants, introducing antifreeze, etc. Standby equipment shall be cleaned, recharged, etc., as appropriate, as soon as practical after each use to maintain its ready standby capability. Necessary equipment and associated appurtenances shall be repaired or replaced as soon as practical after found to be faulty or worn out.

2.6.28.2 Interruption of Utility Service

In the event of an interruption to utility service(s), the Transfer Station Manager shall immediately contact the appropriate utility provider. The following means of addressing the utility disruption(s) will be implemented to until such time as the utility disruption(s) are corrected:

- Electricity Loss – temporary generators shall be installed to provide appropriate power to essential operations.
- Water Service Loss – a third-party drinking water service will be provided and temporary portable toilets will be utilized.
- Sewer Service Loss – temporary portable toilets and local pumping contractors shall be utilized.

2.6.28.3 Inclement Weather

In the event of a serve weather episode such as a thunderstorm, tornado, blizzard, etc., it will be the responsibility of the Transfer Station Manager to determine the measures necessary to protect human health at the facility.

However, it should be noted that weather of such severity to hamper operation of the transfer station will likely and commensurately hinder collection and transportation activities, as well. The transfer station staff and equipment will perform in a manner consistent with the hauling and collection companies which utilize the HRC Transfer Station in an effort to maintain the ability to appropriately process the incoming waste. This may entail longer “emergency” shifts, utilization of additional staff and equipment.

2.6.29 Proposed Life of Facility

The proposed facility does not anticipate a limited life of operations. With periodic and continued maintenance, updates and repairs to the facility, it is the intent of HRC Transfer Station to operate the transfer facility as long as the business model remains profitable.

2.6.30 Final Closure

In the unlikely event that the HRC Transfer Station would close, sell or convert to another owner, thereby relinquishing all operating permits and siting authorization, the following activities would occur.

2.6.30.1 Waste Removal

All waste on the facility will be transferred to a licensed landfill for disposal. This includes all waste generated by general site activities, equipment removal and cleaning.

2.6.30.2 Equipment Removal

All equipment will be thoroughly cleaned of waste product and residue prior to removal from the premises. The waste will be disposed of as noted above in Section 2.6.30.1.

2.6.30.3 Cost Estimate

In the event the facility experiences a worst case pre-mature closure, the estimated cost as detailed in Table 4 below is $23,500. In the event routine closure occurs, the estimated cost is $8,300 as detailed in Table 5 below.

TABLE 4 Pre-Mature Closure Cost Estimate			
Waste Disposal	400 tons	$40/ton	$16,000
Equipment Cleaning	1	LS	$1,000
Transfer Station Cleaning	1	LS	$2,500
IEPA Certifications	1	LS	$4,000
ESTIMATED TOTAL PRE-MATURE CLOSURE COST			**$23,500**

TABLE 5 Routine Closure Cost Estimate			
Waste Disposal	20 tons	$40/ton	$800
Equipment Cleaning	1	LS	$1,000
Transfer Station Cleaning	1	LS	$2,500
IEPA Certifications	1	LS	$4,000
ESTIMATED TOTAL PRE-MATURE CLOSURE COST			**$8,300**

2.6.30.4 Scheduling

It is estimated that closure of the facility as detailed above would last approximately one (1) week.

2.7 OPERATOR INFORMATION AND EXPERIENCE

Lakeshore Recycling Systems, LLC, (LRS) is the applicant and the entity who would be performing day to day operations of the HRC Transfer Station. Appendix 2-O contains a certificate of good standing for LRS. Appendix 2-O also contains a summary of the waste management facilities currently being operated by LRS or its related entities, including the facility location, the facility type and any alleged violations.

The approximately 3.09 acre property on which the HRC Transfer Station will be located (Property) is currently owned by TKnTK, LLC (TKnTK). The First Amendment to Industrial Lease (Lease) between TKnTK and Henson Parent, LLC is provided in Appendix 2-E. Henson Parent, LLC (Henson Parent) is a wholly owned subsidiary of LRS, and Henson Parent owns 100% of Henson Disposal, LLC. The Lease indicates that Henson Parent (i.e., LRS) has the obligation under certain terms to purchase the Property on January 2, 2026, or has the option to purchase

the Property at an earlier date. The Lease also indicates that Henson Parent (i.e., LRS) has the exclusive right to purchase the Property during the Lease term.

This facility provides assurance that the staff of LRS possess the required operational experience to fulfill their role as management of the day to day operations of the HRC Transfer Station.

For over twenty years, LRS has provided recycling and 100% waste diversion programs, affordable roll-off container service, on-site storage, portable restrooms, street sweepers, and comprehensive waste removal to businesses and homeowners. The following is additional information regarding LRS:

- LRS is the leading independent provider of recycling, diversion and non-hazardous, solid waste management services, as well as temporary services (sweeping and portable restrooms) across the Chicagoland area.
- LRS differentiates itself through aggressive and innovative diversion and recycling programs, technology advances, exceptional customer service and strong awareness for the environment with the goal of diverting as much waste as possible.
- LRS operates approximately twenty-two strategically located MSW transfer stations and/or C&D recycling and transfer facilities in Illinois, Indiana, Wisconsin, Michigan and Wisconsin.
- LRS operates a non-hazardous solid waste landfill in Atkinson, Illinois.
- LRS operates a single-stream sorting facility with state-of-the-art technology in Forest View and Chicago.

2.8 CERTIFICATION

The HRC Transfer Station application for local siting complies with Criterion 2 of Section 39.2 of the Illinois Environmental Protection Act which states that "The proposed facility is so designed, located and proposed to be operated that the public health, safety and welfare are protected".

I hereby certify that all information contained in this Application for Local Siting Approval for Criterion 2 was prepared by me or under my direct supervision, and is true and correct to the best of my knowledge and belief.

Karl W. Finke, P.E.

8/16/23
Date

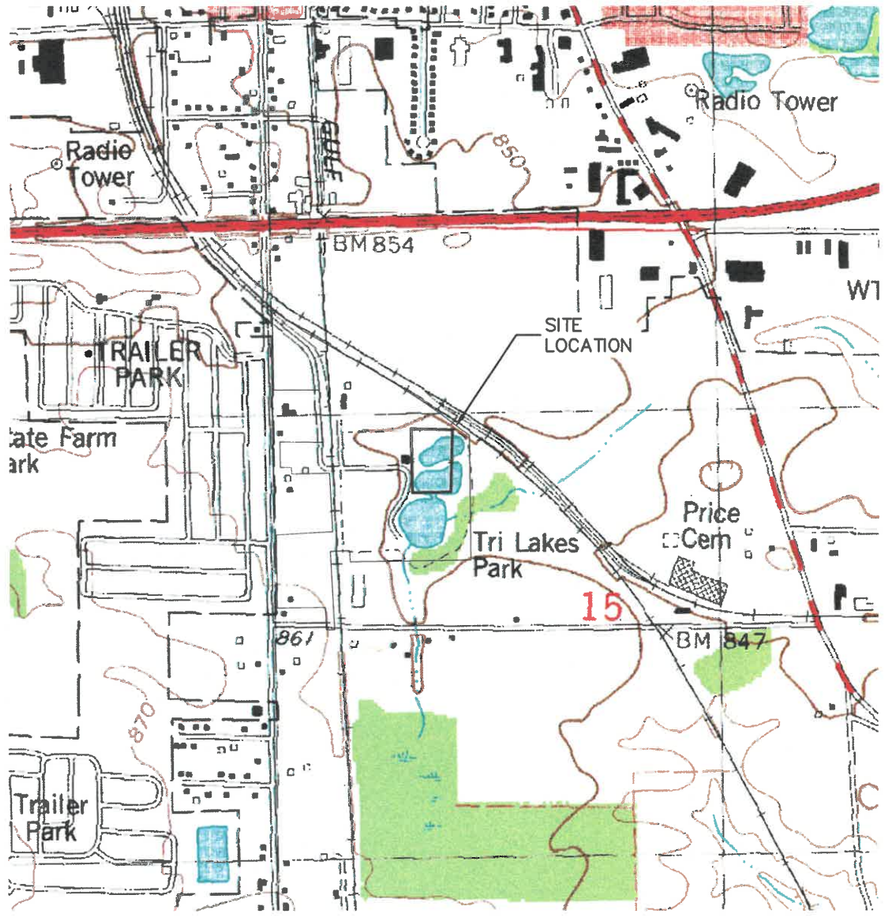
062.068571-IL
Professional Engineering Registration Number and State

SHEETS:

LRS HENSON RECYCLING CAMPUS TRANSFER STATION

BLOOMINGTON, MCLEAN COUNTY, ILLINOIS

AUGUST 2023



DRAWING INDEX

DRAWING NO.		DRAWING TITLE
1	-	COVER SHEET
2	-	FACILITY LOCATION MAP
3	-	DISTANCE TO NEAREST RESIDENTIAL ZONED PROPERTY
4	-	DISTANCE TO NEAREST AIRPORT
5	-	ASSESSMENT PLAT
6	-	CONCEPTUAL FACILITY LAYOUT
7	-	GRADING & DRAINAGE PLAN
8	-	COLLECTION VEHICLE TRAFFIC FLOW PATTERN
9	-	TRANSFER TRUCK TRAFFIC FLOW PATTERN
10	-	COLLECTION VEHICLE AND TRANSFER TRUCK TRAFFIC FLOW PATTERNS
11	-	BUNN STREET ONTO HDI COURT TRANSFER TRUCK TURNS
12	-	HDI COURT ONTO BUNN STREET TRANSFER TRUCK TURNS
13	-	BUILDING FLOOR PLAN AND DETAILS
14	-	PROPOSED BUILDING ELEVATIONS
15	-	CABLING PLAN

PREPARED FOR:

LAKESHORE RECYCLING SYSTEMS, LLC
5500 PEARL STREET
ROSEMONT, IL 60018

PREPARED BY:

ANDREWS ENGINEERING
3300 GINGER CREEK DRIVE
SPRINGFIELD, ILLINOIS 62711-7233
PH (217) 787-2334 WWW.ANDREWS-ENG.COM
PONTIAC, IL • LOMBARD, IL • INDIANAPOLIS, IN • WARRENTON, MO

I HEREBY AFFIRM THAT ALL INFORMATION CONTAINED ON THESE DRAWINGS ARE TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Karl W. Finke 8/16/23

KARL W. FINKE DATE
ILLINOIS LICENSE NO. 062-068571

SEAL:

LICENSED PROFESSIONAL ENGINEER
KARL W. FINKE
062.068571
STATE OF ILLINOIS

EXPIRATION DATE: 11/30/2023

DATE: AUGUST 2023
PROJECT ID: 230156/0013
SHEET NUMBER: 1

© 2023 Andrews Engineering, Inc.

Tab: FIGURE 1 Last Saved: August 16, 2023 by Mike Nguyen Plotted: Wednesday, August 16, 2023 9:19:20 AM
C:\Civil 3D Projects\Henson Disposal\DWG\Bloomington TS\2023\Site Layout\Cover.dwg

LEGEND

BOUNDARY OF HENSON RECYCLING CAMPUS (HRC)

BOUNDARY OF PROPOSED HRC TRANSFER STATION

NOTE

BACKGROUND PHOTOGRAPH DERIVED FROM GOOGLE EARTH; OCTOBER 27, 2022.

N

0 100 200 400

SCALE: IN FEET

NO.	DATE	REVISION DESCRIPTION	BY

ANDREWS ENGINEERING
3300 GINGER CREEK DRIVE
SPRINGFIELD, ILLINOIS 62711-7233
PH (217) 787-2334 WWW.ANDREWS-ENG.COM
PONTIAC, IL • LOMBARD, IL • INDIANAPOLIS, IN • WARRENTON, MO

APPROVED BY: KWF | DESIGNED BY: KWF | DRAWN BY: MPN

FACILITY LOCATION MAP

PREPARED FOR
LRS HENSON RECYCLING CAMPUS
TRANSFER STATION
BLOOMINGTON, MCLEAN COUNTY, ILLINOIS

DATE: AUGUST 2023

PROJECT ID: 230156/0013

SHEET NUMBER: 2

© 2023 Andrews Engineering, Inc.

Tab: FIGURE 2 Last Saved: August 11, 2023 by Mike Nguyen Plotted: Wednesday, August 16, 2023 9:14:53 AM
C:\Civil 3D Projects\Henson Disposal\DWG\Bloomington TS\2023\Site Layout\Aerial Photograph.dwg

0 150 300

SCALE: IN FEET

NOTE:

BACKGROUND PHOTOGRAPH DERIVED FROM GOOGLE EARTH; OCTOBER 27, 2022.

NO.	DATE	REVISION DESCRIPTION	BY

ANDREWS ENGINEERING
3300 GINGER CREEK DRIVE
SPRINGFIELD, ILLINOIS 62711-7233
PH (217) 787-2334 WWW.ANDREWS-ENG.COM
PONTIAC, IL • LOMBARD, IL • INDIANAPOLIS, IN • WARRENTON, MO

DESIGNED BY: KWF | DRAWN BY: MPN | APPROVED BY: KWF

FACILITY LOCATION MAP

PREPARED FOR
HENSON DISPOSAL
BLOOMINGTON, MCLEAN COUNTY, ILLINOIS

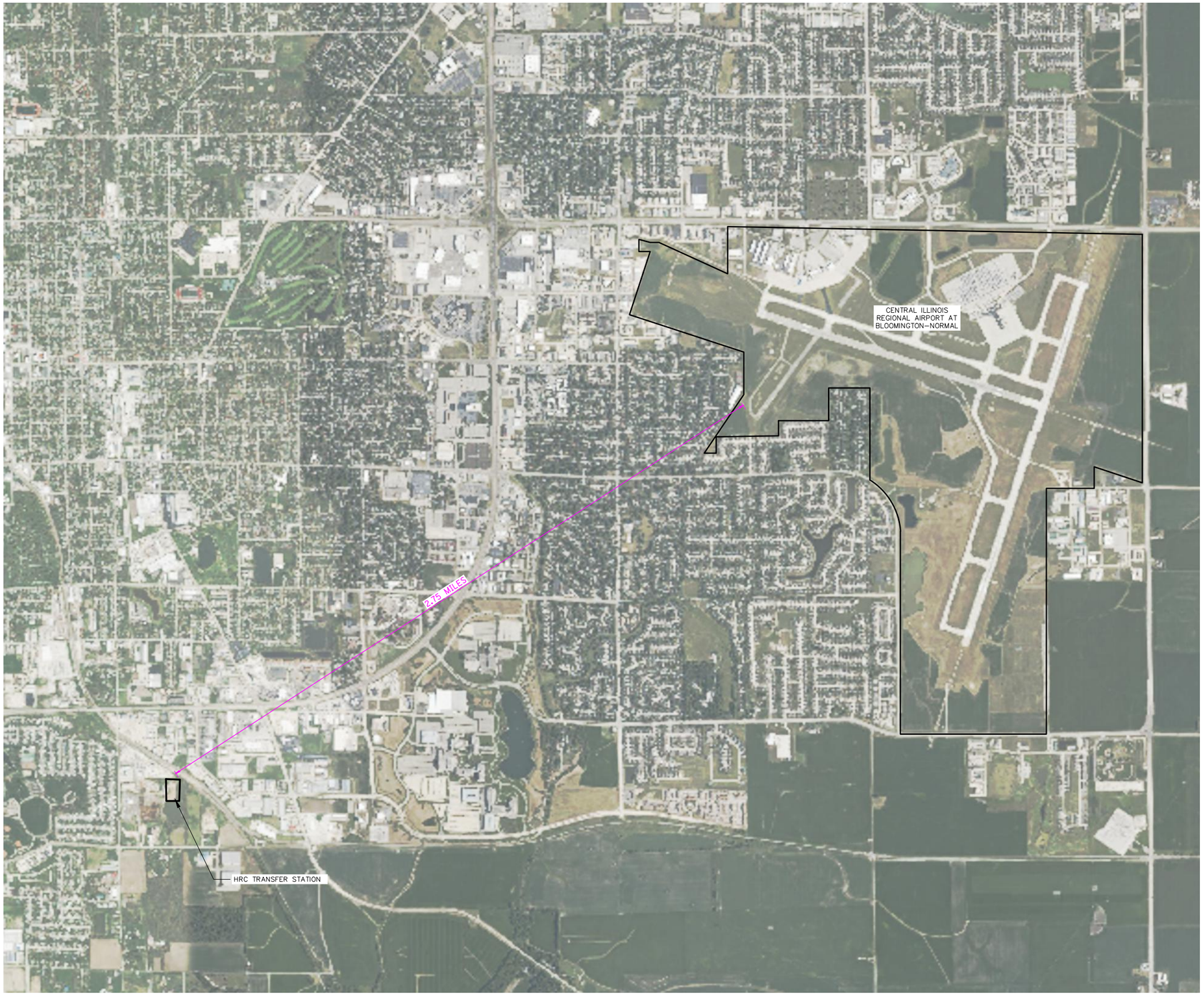
DATE:
MARCH 2023

PROJECT ID:
230156/0013

SHEET NUMBER:
3

© 2023 Andrews Engineering, Inc.

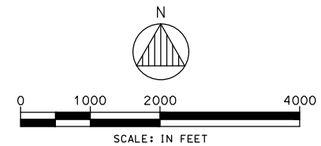
Tab: FIGURE 3 Last Saved: March 11, 2023, by Mike Nguyen Plotted: Wednesday, August 16, 2023 9:12:07 AM
C:\Civil 3D Projects\Henson Disposal\DWG\Bloomington TS\2023\Site Layout\Facility Location & Zoning Map.dwg



PROJECT LOCATION

NOTE

BACKGROUND IMAGE DERIVED FROM BING MAPS.



NO.	DATE	REVISION DESCRIPTION	BY

ANDREWS ENGINEERING
3300 GINGER CREEK DRIVE
SPRINGFIELD, ILLINOIS 62711-7233
PH (217) 787-2334 WWW.ANDREWS-ENG.COM
PONTIAC, IL • LOMBARD, IL • INDIANAPOLIS, IN • WARRENTON, MO

DESIGNED BY: KWF | DRAWN BY: MPN | APPROVED BY: KWF

DISTANCE TO NEAREST AIRPORT

PREPARED FOR
LRS HENSON RECYCLING CAMPUS
TRANSFER STATION
BLOOMINGTON, MCLEAN COUNTY, ILLINOIS

DATE: AUGUST 2023

PROJECT ID: 230156/0013

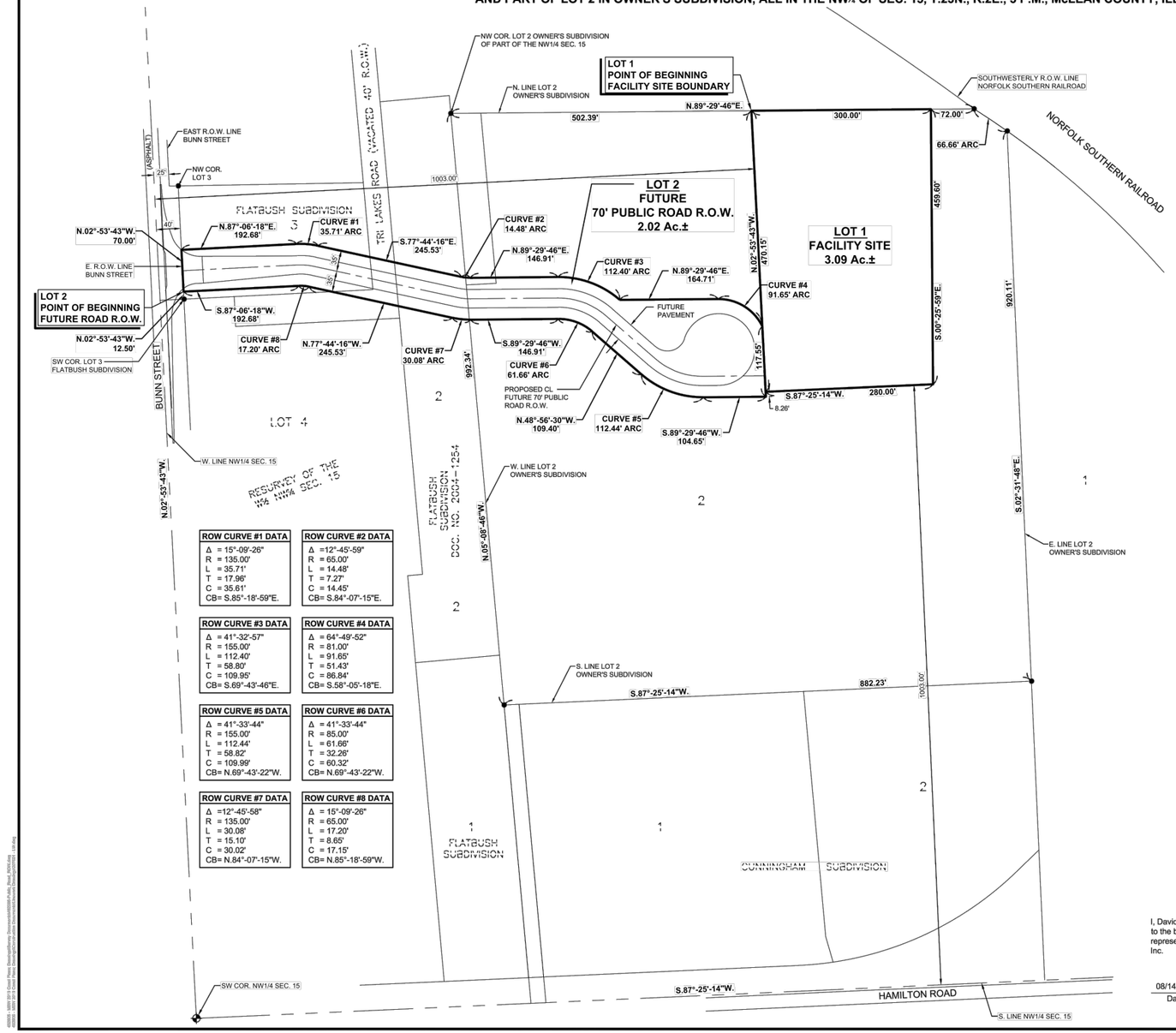
SHEET NUMBER: 4

© 2023 Andrews Engineering, Inc.

Tab: Layout1 Last Saved: August 10, 2023 by Mike Nguyen Plotted: Wednesday, August 16, 2023 9:09:07 AM
C:\Civil 3D Projects\Henson Disposal\DWG\Bloomington TS\2023\Site Layout\Airport Vicinity Map.dwg

ASSESSMENT PLAT

PART OF LOTS 2 AND 3 IN FLATBUSH SUBDIVISION, PART OF LOT 4 IN RE-SURVEY OF THE W½ NW¼, PART OF VACATED TRI-LAKES ROAD AND PART OF LOT 2 IN OWNER'S SUBDIVISION, ALL IN THE NW¼ OF SEC. 15, T.23N., R.2E., 3 P.M., McLEAN COUNTY, ILLINOIS

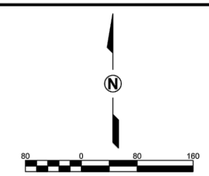


ROW CURVE #1 DATA	ROW CURVE #2 DATA
Δ = 15°-09'-26"	Δ =12°-45'-59"
R = 135.00'	R = 65.00'
L = 35.71'	L = 14.48'
T = 17.96'	T = 7.27'
C = 35.61'	C = 14.45'
CB= S.85°-18'-59"E.	CB= S.84°-07'-15"E.

ROW CURVE #3 DATA	ROW CURVE #4 DATA
Δ = 41°-32'-57"	Δ = 64°-49'-52"
R = 155.00'	R = 81.00'
L = 112.40'	L = 91.65'
T = 58.80'	T = 51.43'
C = 109.95'	C = 86.84'
CB= S.69°-43'-46"E.	CB= S.58°-05'-18"E.

ROW CURVE #5 DATA	ROW CURVE #6 DATA
Δ = 41°-33'-44"	Δ = 41°-33'-44"
R = 155.00'	R = 85.00'
L = 112.44'	L = 61.66'
T = 58.82'	T = 32.26'
C = 109.99'	C = 60.32'
CB= N.69°-43'-22"W.	CB= N.69°-43'-22"W.

ROW CURVE #7 DATA	ROW CURVE #8 DATA
Δ =12°-45'-58"	Δ = 15°-09'-26"
R = 135.00'	R = 65.00'
L = 30.08'	L = 17.20'
T = 15.10'	T = 8.65'
C = 30.02'	C = 17.15'
CB= N.84°-07'-15"W.	CB= N.85°-18'-59"W.



LEGEND
- SUBJECT PREMISES BOUNDARY
- RIGHT OF WAY CENTERLINE
- 5/8" IRON ROD FOUND (UNLESS OTHERWISE NOTED)

Lot1

Legal Description Facility Site

A part of Lot 2 in Owner's Subdivision of part of the NW¼ of Section 15, Township 23 North, Range 2 East of the Third Principal Meridian, McLean County, Illinois, more particularly described as follows: Commencing at the northwest corner of Lot 2 in Owner's Subdivision of part of the NW¼ of Section 15 according to the Plat thereof recorded in Plat Book 9 on Page 82; thence N.89°-29'-46"E. 502.39 feet on the north line of said Lot 2 to the Point of Beginning; thence continuing N.89°-29'-46"E. 300.00 feet on the north line of said Lot 2; thence S.00°-25'-59"E. 459.60 feet to a point 1003.00 feet north of the south line of the NW¼ of said Section 15; thence S.87°-25'-14"W. 280.00 feet parallel with the south line of the NW¼ of said Section 15 to a point 1003.00 feet east of the west line of the NW¼ of said Section 15; thence N.02°-53'-43"W. 470.15 feet parallel with the west line of the NW¼ of said Section 15 to the Point of Beginning containing 3.09 acres, more or less, with assumed bearings given for description purposes only.

Part of Tax Parcel ID #21-15-152-010

Lot 2

Future Public Street ROW Legal Description

A part of Lots 2 and 3 in Flatbush Subdivision, a part of Lot 4 in Re-Survey of the W½ of the NW¼, a part of vacated Tri-Lakes Road and a part of Lot 2 in Owner's Subdivision, all in the NW¼ of Section 15, Township 23 North, Range 2 East of the Third Principal Meridian, McLean County, Illinois, more particularly described as follows: Commencing at the southwest corner of Lot 3 in Flatbush Subdivision on the east right of way line of Bunn Street; thence N.02°-53'-43"W. 12.50 feet on the said east right of way line of Bunn Street and west line of said Lot 3 to the Point of Beginning; thence continuing N.02°-53'-43"W. 70.00 feet on the west line of said Lot 3 and east right of way line of Bunn Street; thence N.87°-06'-18"E. 192.68 feet; thence southeasterly 35.71 feet on a tangential curve concave to the southwest having a radius of 135.00 feet, central angle of 15°-09'-26" and a chord of 35.61 feet bearing S.85°-18'-59"E. from the last described course; thence S.77°-44'-16"E. 245.53 feet; thence easterly 14.48 feet on a tangential curve concave to the north having a radius of 65.00 feet, central angle of 12°-45'-59" and a chord of 14.45 feet bearing S.84°-07'-15"E. from the last described course; thence N.89°-29'-46"E. 146.91 feet; thence southeasterly 112.40 feet on a tangential curve concave to the southwest having a radius of 155.00 feet, central angle of 41°-32'-57" and a chord of 109.95 feet bearing S.69°-43'-46"E. from the last described course; thence N.89°-29'-46"E. 164.71 feet; thence southeasterly 91.65 feet on a tangential curve concave to the southwest having a radius of 81.00 feet, central angle of 64°-49'-52" and a chord of 86.84 feet bearing S.58°-05'-18"E. from the last described course, to a point 1003.00 feet east of the west line of the NW¼ of said Section 15; thence S.02°-53'-43"E. 117.55 feet parallel to the said west line of the NW¼ of Section 15; thence S.89°-29'-46"W. 104.65 feet; thence northwesterly 112.44 feet on a tangential curve concave to the northeast having a radius of 155.00 feet, central angle of 41°-33'-44" and a chord of 109.99 feet bearing N.69°-43'-22"W. from the last described course; thence N.48°-56'-30"W. 109.40 feet; thence westerly 61.66 feet on a tangential curve concave to the southwest having a radius of 85.00 feet, central angle of 41°-33'-44" and a chord of 60.32 feet bearing N.69°-43'-22"W. from the last described course; thence S.89°-29'-46"W. 146.91 feet; thence northwesterly 30.08 feet on a tangential curve concave to the northeast having a radius of 135.00 feet, central angle of 12°-45'-58" and a chord of 30.02 feet bearing N.84°-07'-15"W. from the last described course; thence N.77°-44'-16"W. 245.53 feet; thence northwesterly 17.20 feet on a tangential curve concave to the southwest having a radius of 65.00 feet, central angle of 15°-09'-26" and a chord of 17.15 feet bearing N.85°-18'-59"W. from the last described course; thence S.87°-06'-18"W. 192.68 feet to the Point of Beginning containing 2.02 acres, more or less, with assumed bearings given for description purposes only.

Part of Tax Parcel ID #21-15-151-018 & Part of Tax Parcel ID #21-15-152-010

Surveyor's Certificate

I, David P. Brown, Illinois Professional Land Surveyor No. 2725, do hereby certify that to the best of my knowledge and belief the plat shown hereon is an accurate representation of an assessment plat made under my direction for Henson Disposal, Inc.

08/14/2023
Date

David P. Brown
Illinois Professional Land Surveyor No. 2725
License Expires 11/30/2024

DAVID P. BROWN
2725
PROFESSIONAL LAND SURVEYOR
STATE OF ILLINOIS
BLOOMINGTON, ILLINOIS

LYB
www.lybinc.com

Lewis, Yockey & Brown, Inc.
Consulting Engineers & Land Surveyors
Professional Design Firm Registration #184.000806
505 North Main Street, Bloomington, Illinois
Ph. (309) 828-2552

REVISED	-
-	-
-	-
-	-
-	-
BK.	929
DRN.	MB/JSB/ELE
DSN.	DPB
APP.	DPB

HENSON DISPOSAL
MUNICIPAL SOLID WASTE TRANSFER STATION
FACILITY SITE & FUTURE
PUBLIC ROAD R.O.W. ASSESSMENT PLAT
MCLEAN COUNTY, ILLINOIS

SHEET **1**
OF: **1**
JOB #: **4920.05**

NO.	DATE	REVISION DESCRIPTION	BY

ANDREWS ENGINEERING
3300 GINGER CREEK DRIVE
SPRINGFIELD, ILLINOIS 62711-7233
PH (217) 787-2334 WWW.ANDREWS-ENG.COM
PONTIAC, IL • LOMBARD, IL • INDIANAPOLIS, IN • WARRENTON, MO

DESIGNED BY: KWF | DRAWN BY: MPN | APPROVED BY: KWF

ASSESSMENT PLAT

PREPARED FOR
LRS HENSON RECYCLING CAMPUS
TRANSFER STATION
BLOOMINGTON, MCLEAN COUNTY, ILLINOIS

DATE: AUGUST 2023

PROJECT ID: 230156/0013

SHEET NUMBER: **5**

© 2023 Andrews Engineering, Inc.

Tab: Layout1 Last Saved: August 15, 2023, by Mike Nguyen Plotted: Wednesday, August 16, 2023 9:07:03 AM
C:\Civil 3D Projects\Henson Disposal\DWG\Bloomington TS\2023\Site Layout\Plat of Survey.dwg

HDI COURT
(PUBLIC STREET)

SITE ACCESS
W/CANTILEVER GATE

24" SS

8" SAN

8" W

40'

N.02°-53'-43"W. 470.15'

PUBLIC STORM SEWER
BY OTHERS

18" SS

8' CONC. WALL

15' PUBLIC STORM
SEWER EASEMENT

12'

17'

40'

50'

120'

125'

SCALE

MECHANICAL
ROOM
FFE 859.00

SORTING BUILDING
FFE 859.00

LOAD-OUT PIT
(FFE 853.00)

60'

100'

213.51'

SIDEWALK

UNDERGROUND
DETENTION SYSTEM
(ADS SC-310 OR EQUAL)

PCC CURB & GUTTER
TYPE B-6.18 (TYPICAL)

BOLLARD

PROPOSED
HYDRANT

RAMP GRADE 5.4%

3

19'

S.87°-25'-14"W. 280.00'

175.11'

24" SS

N.89°-29'-46"E. 300.00'

SCALE 854.60

FFE 854.50

SCALE 854.10

SCALE
HOUSE

30'

S.00°-25'-59"E. 459.60'

2.18'

OE

20 0 20 40

LEGEND

- BOUNDARY OF FACILITY
- EASEMENT LIMITS
- BUILDING SETBACK LINE
- EXISTING SANITARY MANHOLE
- 8" SAN — EXISTING SANITARY SEWER
- EXISTING HYDRANT
- EXISTING WATER VALVE
- 8" W — EXISTING WATER MAIN
- EXISTING STORM MANHOLE
- 24" SS — EXISTING STORM SEWER
- 851 — EXISTING CONTOUR
- OE — EXISTING OVERHEAD ELECTRIC LINE
- PROPOSED RIP-RAP
- PROPOSED BUILDING
- PROPOSED SANITARY MANHOLE
- SAN — PROPOSED SANITARY SERVICE
- PROPOSED WATER VALVE
- WS — PROPOSED WATER SERVICE
- PROPOSED STORM MANHOLE
- PROPOSED STORM INLET
- 18" SS — PROPOSED STORM SEWER
- PROPOSED LIGHT POLE
- (8) NUMBER OF PARKING SPACES
- (1H) NUMBER OF HANDICAP PARKING SPACES
- x x x — PROPOSED 8'-HIGH SECURITY FENCE
- PROPOSED LANDSCAPED OR TURF AREAS
- PROPOSED HYDRANT
- PROPOSED STORMWATER DETENTION AREA

NO.	DATE	REVISION DESCRIPTION	BY

ANDREWS ENGINEERING
3300 GINGER CREEK DRIVE
SPRINGFIELD, ILLINOIS 62711-7233
PH (217) 787-2334 WWW.ANDREWS-ENG.COM
PONTIAC, IL • LOMBARD, IL • INDIANAPOLIS, IN • WARRENTON, MO

DESIGNED BY: KWF | DRAWN BY: MPN | APPROVED BY: KWF

CONCEPTUAL FACILITY LAYOUT

PREPARED FOR
LRS HENSON RECYCLING CAMPUS
TRANSFER STATION
BLOOMINGTON, MCLEAN COUNTY, ILLINOIS

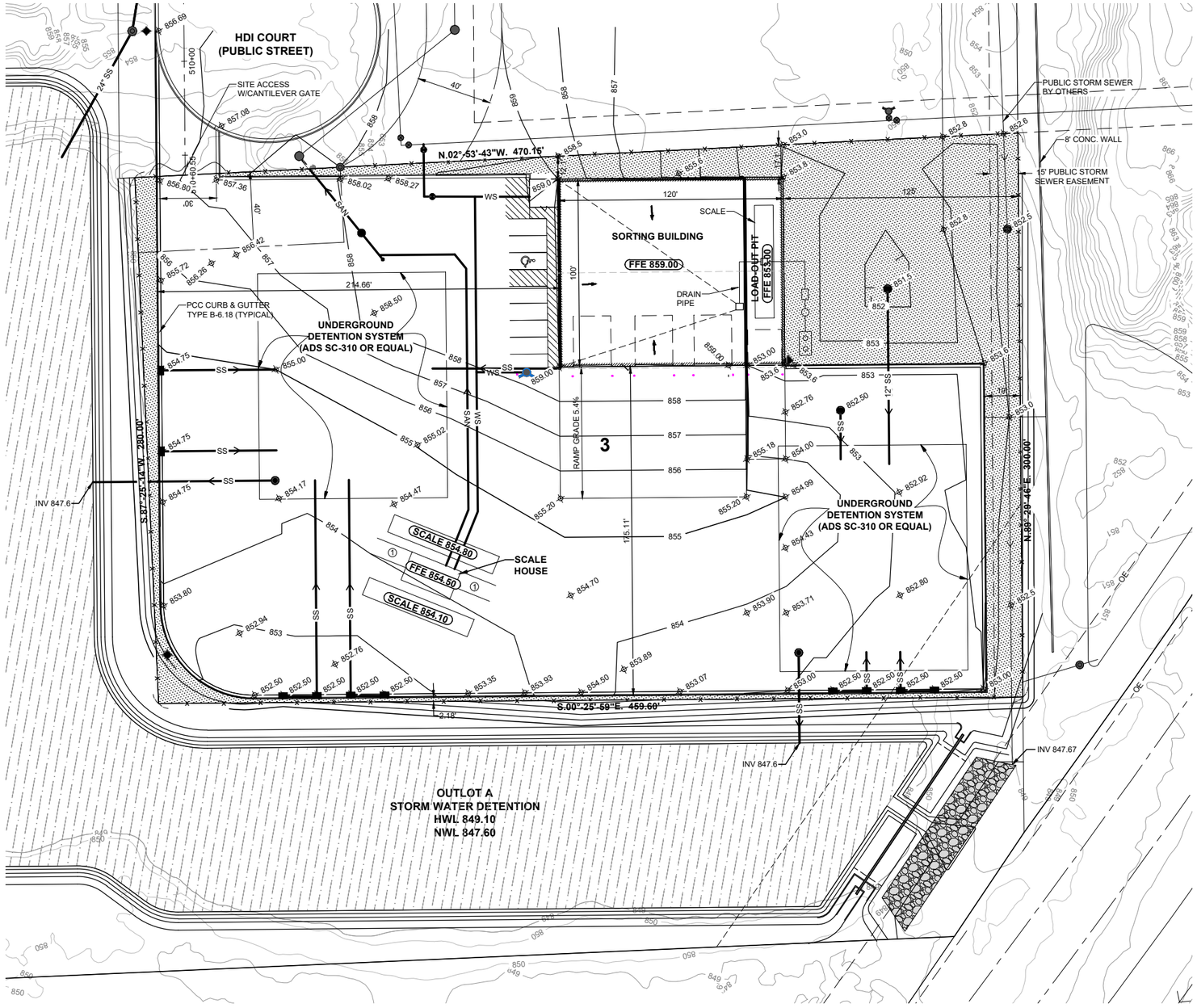
DATE: AUGUST 2023

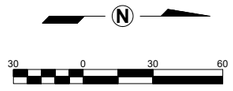
PROJECT ID: 230156/0013

SHEET NUMBER: 6

© 2023 Andrews Engineering, Inc.

Tab: Siting Exhibit Last Saved: August 11, 2023, by Mike Nguyen Plotted: Wednesday, August 16, 2023 9:04:50 AM
C:\Civil 3D Projects\Henson Disposal\DWG\Bloomington TS\2023\Site Layout\Conceptual Facility Layout.dwg





SITING EXHIBIT NOTES:

1. PROPOSED PAVEMENT SHALL CONSIST OF 7 INCH THICKNESS PORTLAND CEMENT CONCRETE (PCC) ON 4 INCH THICKNESS COMPACTED CRUSHED AGGREGATE BASE COURSE, TYPE B.
2. ON-SITE DETENTION SHALL BE PROVIDED. THE SITE GRADING SHALL BE DESIGNED TO DIVIDE THE SITE INTO TWO DRAINAGE AREAS AND INTO TWO INDEPENDENT UNDERGROUND DETENTION SYSTEM INSTALLATIONS WITH THE FOLLOWING REQUIREMENTS:
   a. THE STORAGE REQUIRED FOR EACH UNDERGROUND DETENTION SYSTEM INSTALLATION SHALL BE 10,695 SF IN ACCORDANCE WITH MCLEAN COUNTY DETENTION REQUIREMENTS.
   b. MAXIMUM RELEASE RATE SHALL FROM EACH UNDERGROUND DETENTION SYSTEM INSTALLATION BE 0.99 CFS IN ACCORDANCE WITH MCLEAN COUNTY DETENTION REQUIREMENTS.
   c. SEE STORM WATER DETENTION SUMMARY FOR DETAILS ON SYSTEM REQUIREMENT CALCULATIONS.
   d. EACH UNDERGROUND DETENTION SYSTEM SHALL BE AN ADS STORMTECH SC-310 OR EQUAL.

STORM WATER DETENTION SUMMARY:

1. TOTAL SITE AREA: 3.09 AC
2. ASSUME THAT THE SITE WILL BE DIVIDED INTO TWO (2) EQUAL AREAS FOR BASIN SIZING: 3.09 AC/2 = 1.55 AC EACH.
3. FOR AREAS LESS THAN 5 ACRES IN SIZE, THE MANUALS OF PRACTICE FOR BOTH CITY OF BLOOMINGTON AND MCLEAN COUNTY BASE STORM WATER DETENTION AND DISCHARGE REQUIREMENTS ON THE SIZE OF THE DEVELOPMENT:
   a. FOR DEVELOPMENTS UP TO 4 ACRES IN SIZE:
      i. STORAGE: 6,900 CF PER ACRE
      ii. MAXIMUM RELEASE RATE ALLOWED: 0.64 CFS PER ACRE
   b. AS NOTED IN THE SITING EXHIBIT NOTES:
      i. THE STORAGE REQUIRED FOR 1.55 ACRES IS 10,695 CF.
      ii. THE MAXIMUM RELEASE RATE ALLOWED FOR 1.55 ACRES IS 0.99 CFS.

LEGEND

- BOUNDARY OF FACILITY
- EASEMENT LIMITS
- BUILDING SETBACK LINE
- EXISTING SANITARY MANHOLE
- 8" SAN — EXISTING SANITARY SEWER
- EXISTING HYDRANT
- EXISTING WATER VALVE
- 8" W — EXISTING WATER MAIN
- EXISTING STORM MANHOLE
- 24" SS — EXISTING STORM SEWER
- 851 — EXISTING CONTOUR
- OE — EXISTING OVERHEAD ELECTRIC LINE
- PROPOSED RIP-RAP
- PROPOSED BUILDING
- PROPOSED SANITARY MANHOLE
- SAN — PROPOSED SANITARY SERVICE
- PROPOSED WATER VALVE
- WS — PROPOSED WATER SERVICE
- PROPOSED STORM MANHOLE
- PROPOSED STORM INLET
- 18" SS — PROPOSED STORM SEWER
- PROPOSED LIGHT POLE
- FFE 861.00 — PROPOSED FINISHED FLOOR ELEVATION
- 854.70 — PROPOSED FINISHED GRADE
- (8) — NUMBER OF PARKING SPACES
- (1H) — NUMBER OF HANDICAP PARKING SPACES
- PROPOSED 8'-HIGH SECURITY FENCE
- PROPOSED LANDSCAPED OR TURF AREAS
- 851 — PROPOSED CONTOUR
- PROPOSED HYDRANT
- PROPOSED BOLLARD
- PROPOSED STORMWATER DETENTION AREA

NO.	DATE	REVISION DESCRIPTION	BY

ANDREWS ENGINEERING
3300 GINGER CREEK DRIVE
SPRINGFIELD, ILLINOIS 62711-7233
PH (217) 787-2334 WWW.ANDREWS-ENG.COM
PONTIAC, IL • LOMBARD, IL • INDIANAPOLIS, IN • WARRENTON, MO

DESIGNED BY: KWF | DRAWN BY: MPN | APPROVED BY: KWF

GRADING AND DRAINAGE PLAN

PREPARED FOR
LRS HENSON RECYCLING CAMPUS
TRANSFER STATION
BLOOMINGTON, MCLEAN COUNTY, ILLINOIS

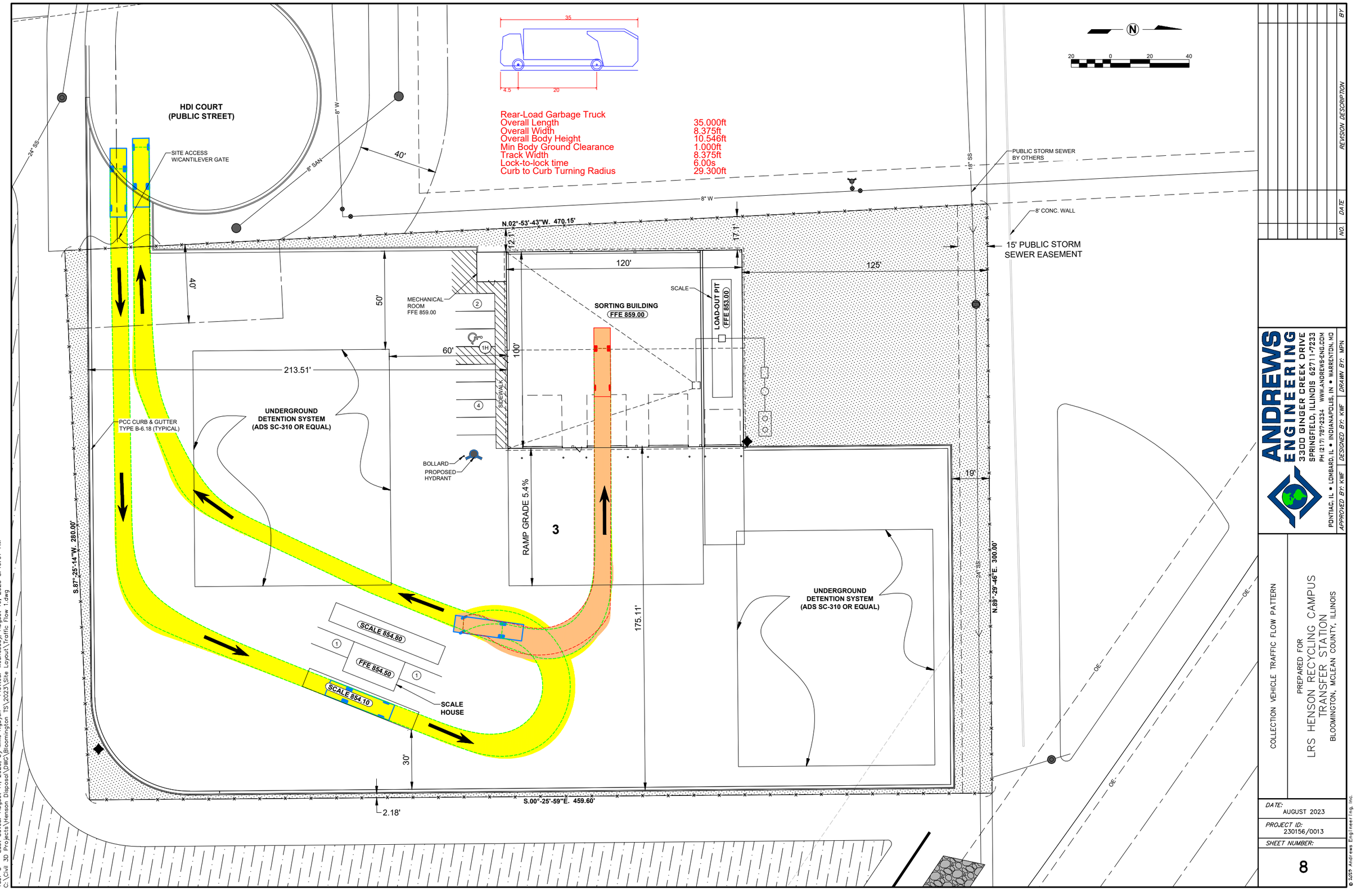
DATE: AUGUST 2023

PROJECT ID: 230156/0013

SHEET NUMBER: 7

© 2023 Andrews Engineering, Inc.

Tab: Siting Exhibit Last Saved: August 11, 2023, by Mike Nguyen Plotted: Wednesday, August 16, 2023 9:02:19 AM
C:\Civil 3D Projects\Henson Disposal\DWG\Bloomington TS\2023\Site Layout\2023-01-16_492005_MSW22_Siting Exh.dwg



NO.	DATE	REVISION DESCRIPTION	BY

ANDREWS ENGINEERING
3300 GINGER CREEK DRIVE
SPRINGFIELD, ILLINOIS 62711-7233
PH (217) 787-2334 WWW.ANDREWS-ENG.COM
PONTIAC, IL • LOMBARD, IL • INDIANAPOLIS, IN • WARRENTON, MO

APPROVED BY: KWF | DESIGNED BY: KWF | DRAWN BY: MPN

COLLECTION VEHICLE TRAFFIC FLOW PATTERN

PREPARED FOR
LRS HENSON RECYCLING CAMPUS
TRANSFER STATION
BLOOMINGTON, MCLEAN COUNTY, ILLINOIS

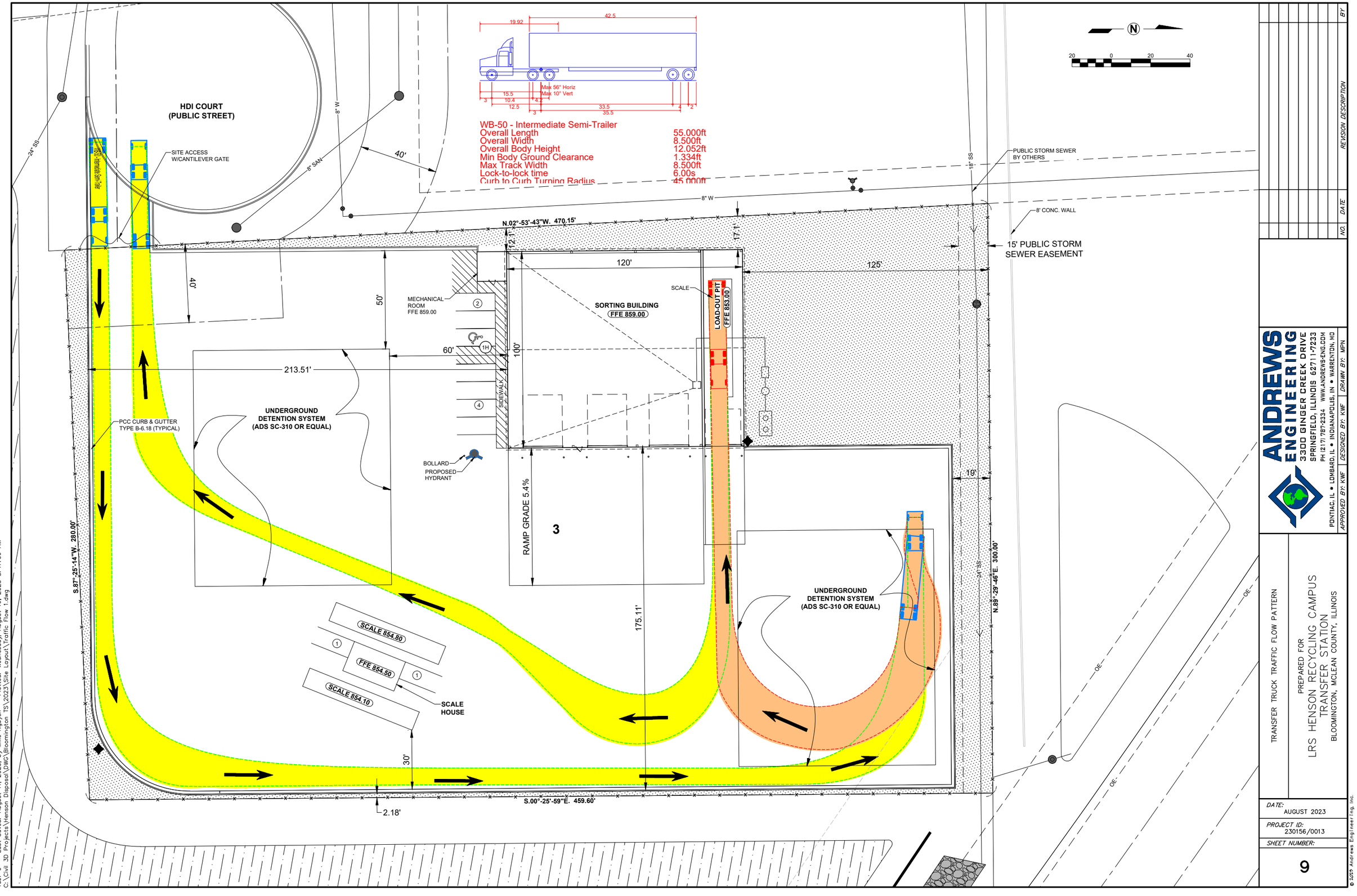
DATE: AUGUST 2023

PROJECT ID: 230156/0013

SHEET NUMBER: 8

© 2023 Andrews Engineering, Inc.

Tab: 8 Last Saved: August 11, 2023, by Mike Nguyen Plotted: Wednesday, August 16, 2023 8:46:07 AM
C:\Civil 3D Projects\Henson Disposal\DWG\Bloomington TS\2023\Site Layout\Traffic Flow 1.dwg



Tab: 9 Last Saved: August 11, 2023, by Mike Nguyen Plotted: Wednesday, August 16, 2023 8:47:06 AM
C:\Civil 3D Projects\Henson Disposal\DWG\Bloomington TS\2023\Site Layout\Traffic Flow 1.dwg

NO.	DATE	REVISION DESCRIPTION	BY

ANDREWS ENGINEERING
3300 GINGER CREEK DRIVE
SPRINGFIELD, ILLINOIS 62711-7233
PH (217) 787-2334 WWW.ANDREWS-ENG.COM
PONTIAC, IL • LOMBARD, IL • INDIANAPOLIS, IN • WARRENTON, MO

DESIGNED BY: KWF | DRAWN BY: MPN | APPROVED BY: KWF

TRANSFER TRUCK TRAFFIC FLOW PATTERN

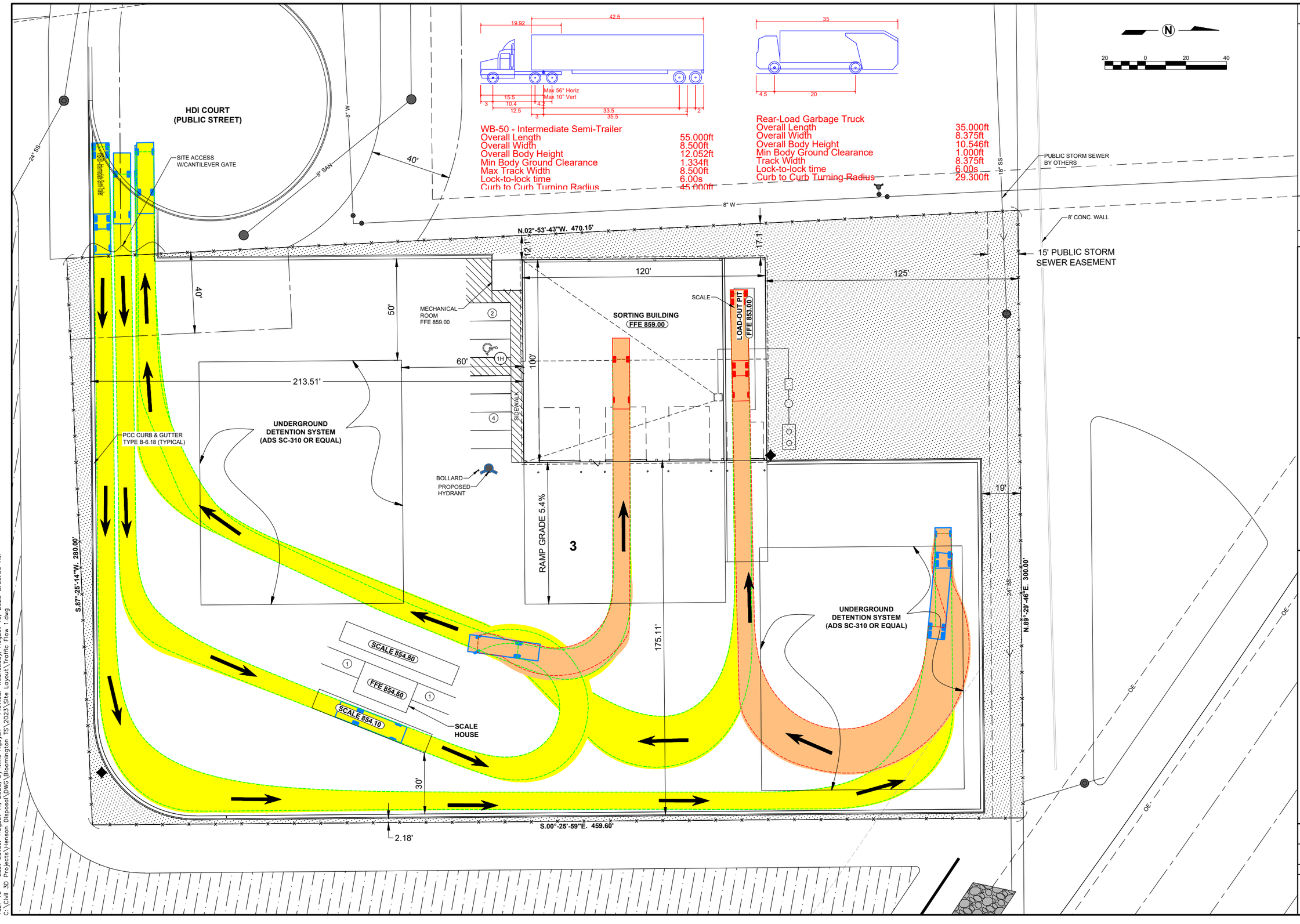
PREPARED FOR
LRS HENSON RECYCLING CAMPUS
TRANSFER STATION
BLOOMINGTON, MCLEAN COUNTY, ILLINOIS

DATE: AUGUST 2023

PROJECT ID: 230156/0013

SHEET NUMBER: 9

© 2023 Andrews Engineering, Inc.



NO.	DATE	REVISION DESCRIPTION	BY

ANDREWS ENGINEERING
3300 GINGER CREEK DRIVE
SPRINGFIELD, ILLINOIS 62711-7233
PH (217) 787-2334 WWW.ANDREWS-ENG.COM
PONTIAC, IL • LOMBARD, IL • INDIANAPOLIS, IN • WARRENTON, MO

DESIGNED BY: KWF | DRAWN BY: MPN | APPROVED BY: KWF

COLLECTION VEHICLE AND TRANSFER TRUCK TRAFFIC FLOW PATTERNS

PREPARED FOR
LRS HENSON RECYCLING CAMPUS
TRANSFER STATION
BLOOMINGTON, MCLEAN COUNTY, ILLINOIS

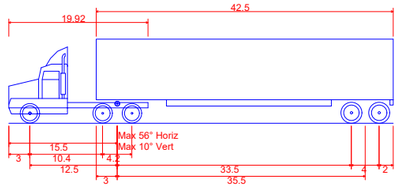
DATE: AUGUST 2023

PROJECT ID: 230156/0013

SHEET NUMBER: 10

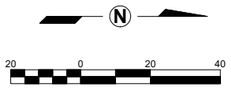
© 2023 Andrews Engineering, Inc.

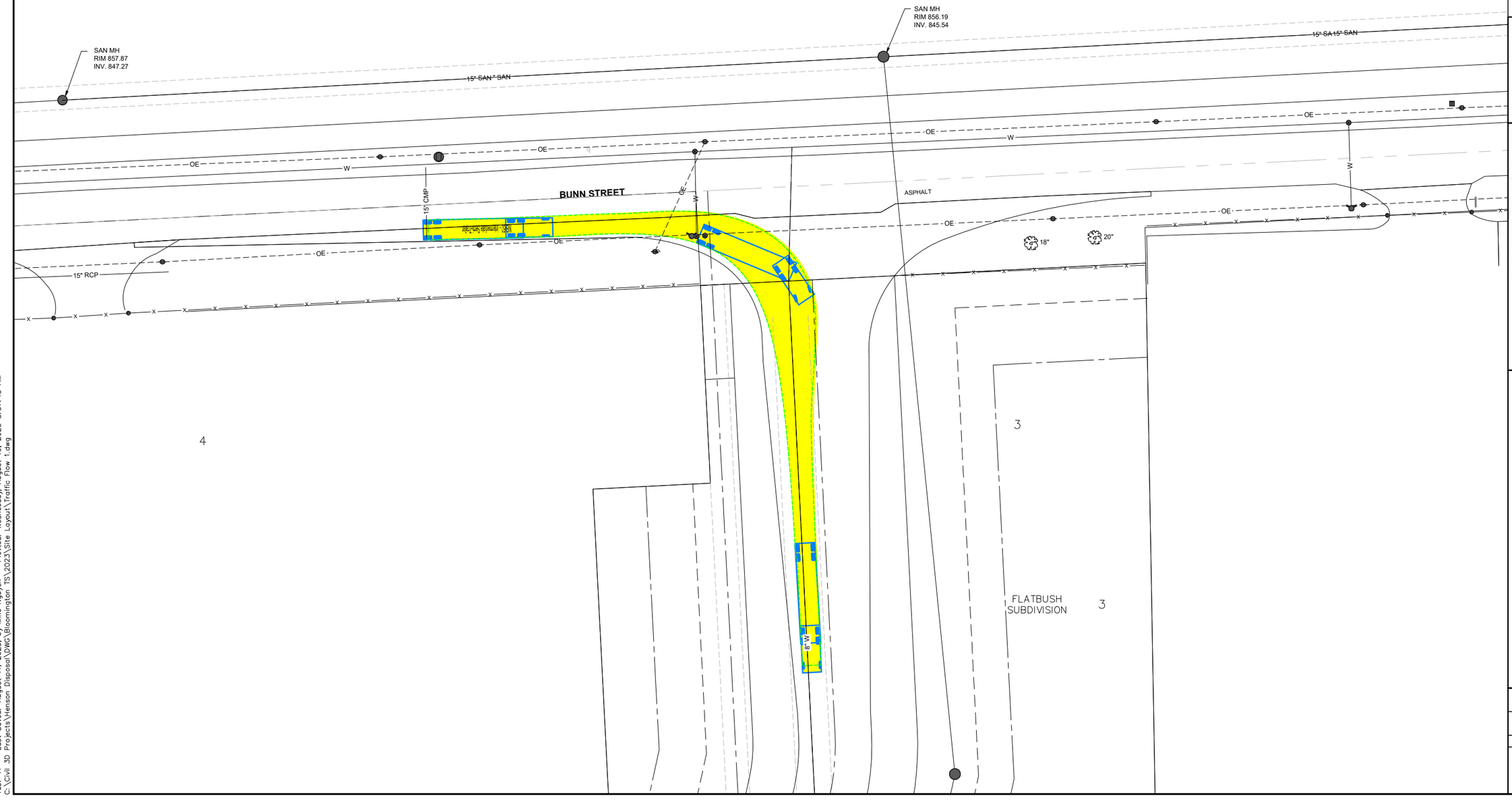
Tab: 10 Last Saved: August 11, 2023, by Mike Nguyen Plotted: Wednesday, August 16, 2023 8:55:59 AM
C:\Civil 3D Projects\Henson Disposal\DWG\Bloomington TS\2023\Site Layout\Traffic Flow 1.dwg



WB-50 - Intermediate Semi-Trailer

Overall Length	55.000ft
Overall Width	8.500ft
Overall Body Height	12.052ft
Min Body Ground Clearance	1.334ft
Max Track Width	8.500ft
Lock-to-lock time	6.00s
Curb to Curb Turning Radius	45.000ft





NO.	DATE	REVISION DESCRIPTION	BY

ANDREWS ENGINEERING
3300 GINGER CREEK DRIVE
SPRINGFIELD, ILLINOIS 62711-7233
PH (217) 787-2334 WWW.ANDREWS-ENG.COM
PONTIAC, IL • LOMBARD, IL • INDIANAPOLIS, IN • WARRENTON, MO

APPROVED BY: KWF | DESIGNED BY: KWF | DRAWN BY: MPN

BUNN STREET ONTO HDI COURT TRANSFER TRUCK TURNS

PREPARED FOR
LRS HENSON RECYCLING CAMPUS
TRANSFER STATION
BLOOMINGTON, MCLEAN COUNTY, ILLINOIS

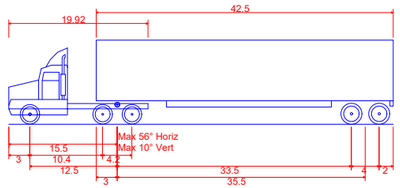
DATE: AUGUST 2023

PROJECT ID: 230156/0013

SHEET NUMBER: 11

© 2023 Andrews Engineering, Inc.

Tab: 11 Last Saved: August 11, 2023 by Mike Nguyen Plotted: Wednesday, August 16, 2023 8:57:45 AM
C:\Civil 3D Projects\Henson Disposal\DWG\Bloomington TS\2023\Site Layout\Traffic Flow 1.dwg



WB-50 - Intermediate Semi-Trailer

Overall Length	55.000ft
Overall Width	8.500ft
Overall Body Height	12.052ft
Min Body Ground Clearance	1.334ft
Max Track Width	8.500ft
Lock-to-lock time	6.00s
Curb to Curb Turning Radius	45.000ft

N

20 0 20 40

SAN MH
RIM 857.87
INV. 847.27

SAN MH
RIM 856.19
INV. 845.54

15" SAN
15" SAN
15" SAN
15" SAN

OE
W
15" CMP
BUNN STREET
ASPHALT
15" RCP
18"
20"
8" W
FLATBUSH
SUBDIVISION
4
3
3

HDI COURT ONTO BUNN STREET TRANSFER TRUCK TURNS

PREPARED FOR
LRS HENSON RECYCLING CAMPUS
TRANSFER STATION
BLOOMINGTON, MCLEAN COUNTY, ILLINOIS

ANDREWS ENGINEERING
3300 GINGER CREEK DRIVE
SPRINGFIELD, ILLINOIS 62711-7233
PH (217) 787-2334 WWW.ANDREWS-ENG.COM
PONTIAC, IL • LOMBARD, IL • INDIANAPOLIS, IN • WARRENTON, MO

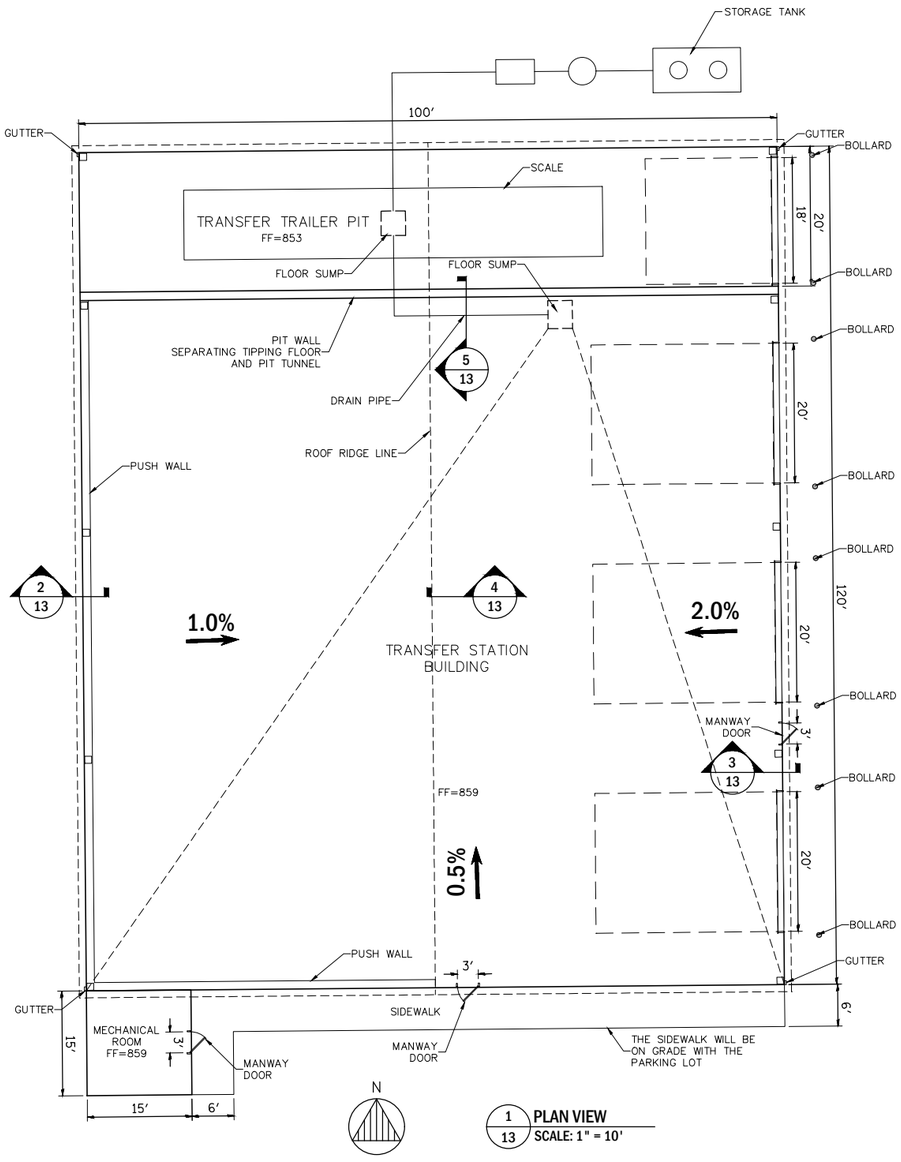
NO.	DATE	REVISION DESCRIPTION	BY

DESIGNED BY: KWF | DRAWN BY: MPN
APPROVED BY: KWF

DATE: AUGUST 2023
PROJECT ID: 230156/0013
SHEET NUMBER: 12

© 2023 Andrews Engineering, Inc.

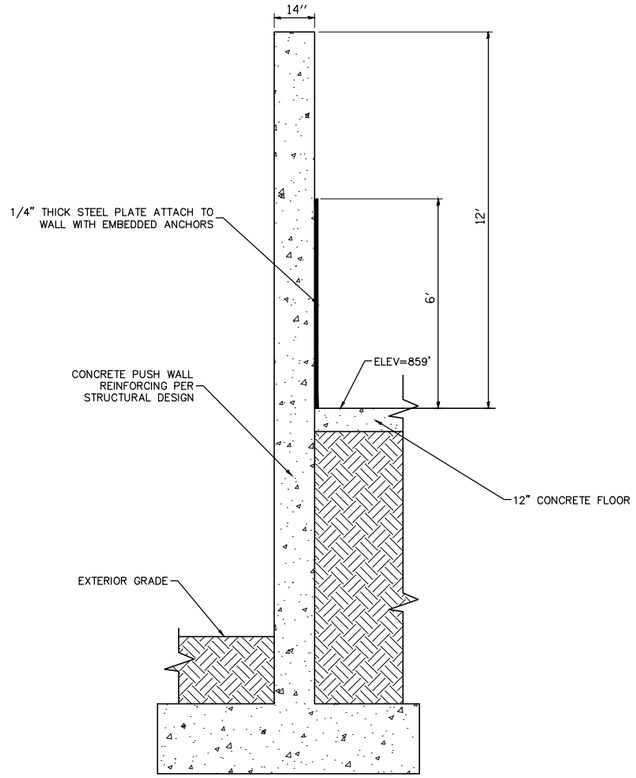
Tab: 12 Last Saved: August 11, 2023 by Mike Nguyen Plotted: Wednesday, August 16, 2023 8:59:01 AM
C:\Civil 3D Projects\Henson Disposal\DWG\Bloomington TS\2023\Site Layout\Traffic Flow 1.dwg



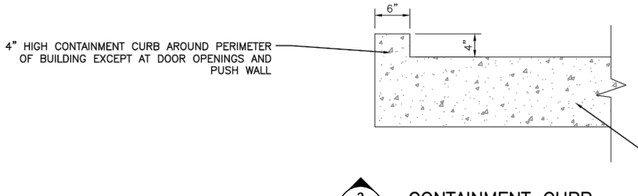
1 / 13 **PLAN VIEW**
SCALE: 1" = 10'

NOTE:

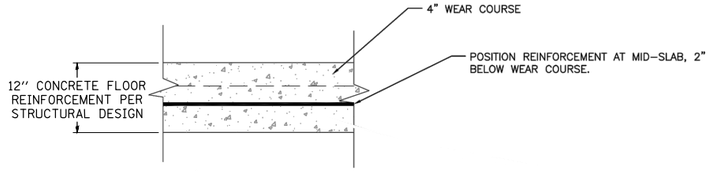
COLUMN LOCATIONS ARE APPROXIMATELY SHOWN. FINAL LOCATIONS TO BE DETERMINED BY THE STRUCTURAL ENGINEER.



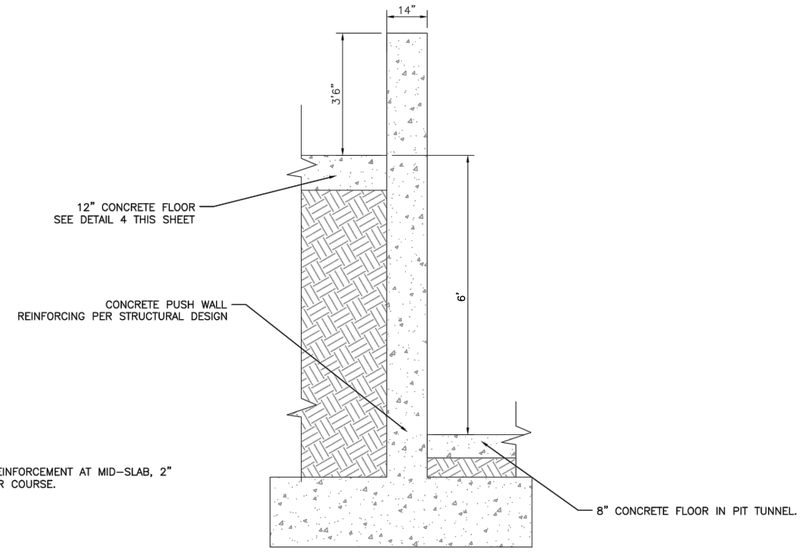
2 / 13 **PUSH WALL**
N.T.S.



3 / 13 **CONTAINMENT CURB**
N.T.S.



4 / 13 **FOUNDATION**
N.T.S.



5 / 13 **PIT WALL**
N.T.S.

NO.	DATE	REVISION DESCRIPTION	BY

ANDREWS ENGINEERING
3300 GINGER CREEK DRIVE
SPRINGFIELD, ILLINOIS 62711-7233
PH (217) 787-2334 WWW.ANDREWSENG.COM
• LOMBARD, IL • INDIANAPOLIS, IN • WARRENTON, MO
PONTIAC, IL •

DESIGNED BY: KWF | DRAWN BY: MPN | APPROVED BY: KWF

BUILDING FLOOR PLAN AND DETAILS

PREPARED FOR
HENSON RECYCLING CAMPUS
TRANSFER STATION
BLOOMINGTON, MCLEAN COUNTY, ILLINOIS

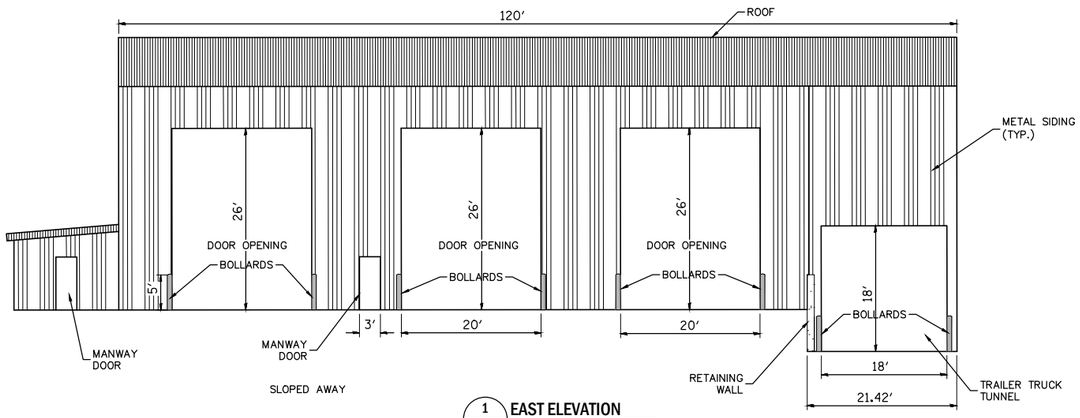
DATE: AUGUST 2023

PROJECT ID: 230156/0013

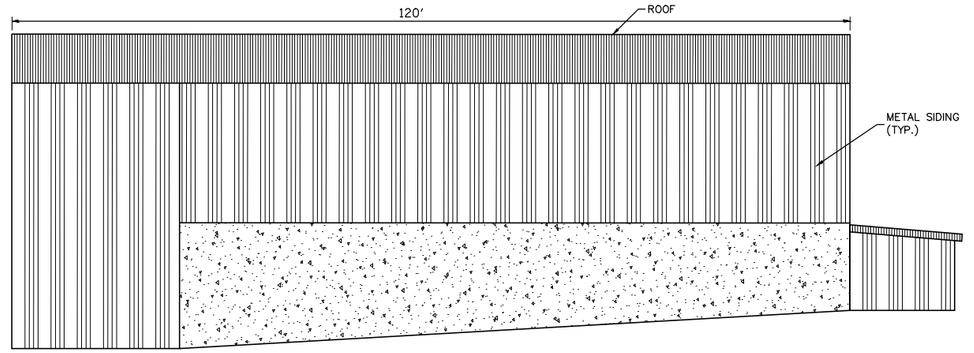
SHEET NUMBER: 13

© 2023 Andrews Engineering, Inc.

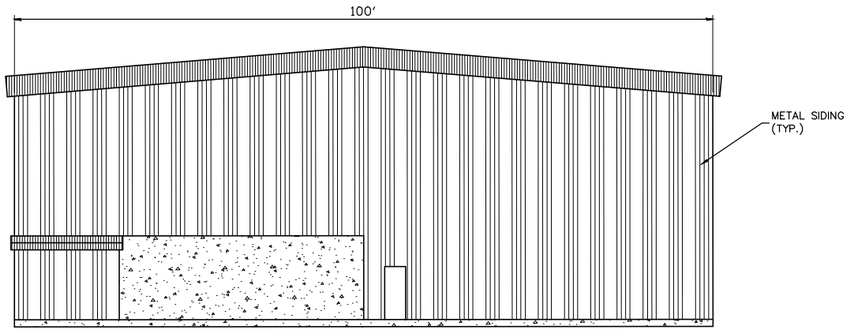
Tab: 13 Last Saved: August 10, 2023 by Mike Nguyen Plotted: Wednesday, August 16, 2023 8:43:35 AM
C:\Civil 3D Projects\Henson Disposal\DWG\Bloomington TS\2023\Building Layout\Building Layout.dwg Tab: 13



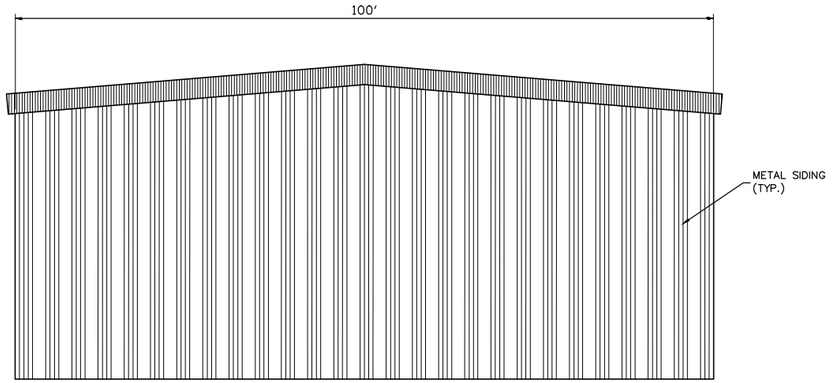
1/14 **EAST ELEVATION**
SCALE: 1" = 10'



2/14 **WEST ELEVATION**
SCALE: 1" = 10'



3/14 **SOUTH ELEVATION**
SCALE: 1" = 10'



4/14 **NORTH ELEVATION**
SCALE: 1" = 10'

NO.	DATE	REVISION DESCRIPTION	BY

ANDREWS ENGINEERING
3300 GINGER CREEK DRIVE
SPRINGFIELD, ILLINOIS 62711-7233
PH (217) 787-2334 WWW.ANDREWSENG.COM
PONTIAC, IL • LOMBARD, IL • INDIANAPOLIS, IN • WARRENTON, MO
APPROVED BY: KWF | DESIGNED BY: KWF | DRAWN BY: MPN

PROPOSED BUILDING ELEVATIONS

PREPARED FOR
HENSON RECYCLING CAMPUS
TRANSFER STATION
BLOOMINGTON, MCLEAN COUNTY, ILLINOIS

DATE:
AUGUST 2023

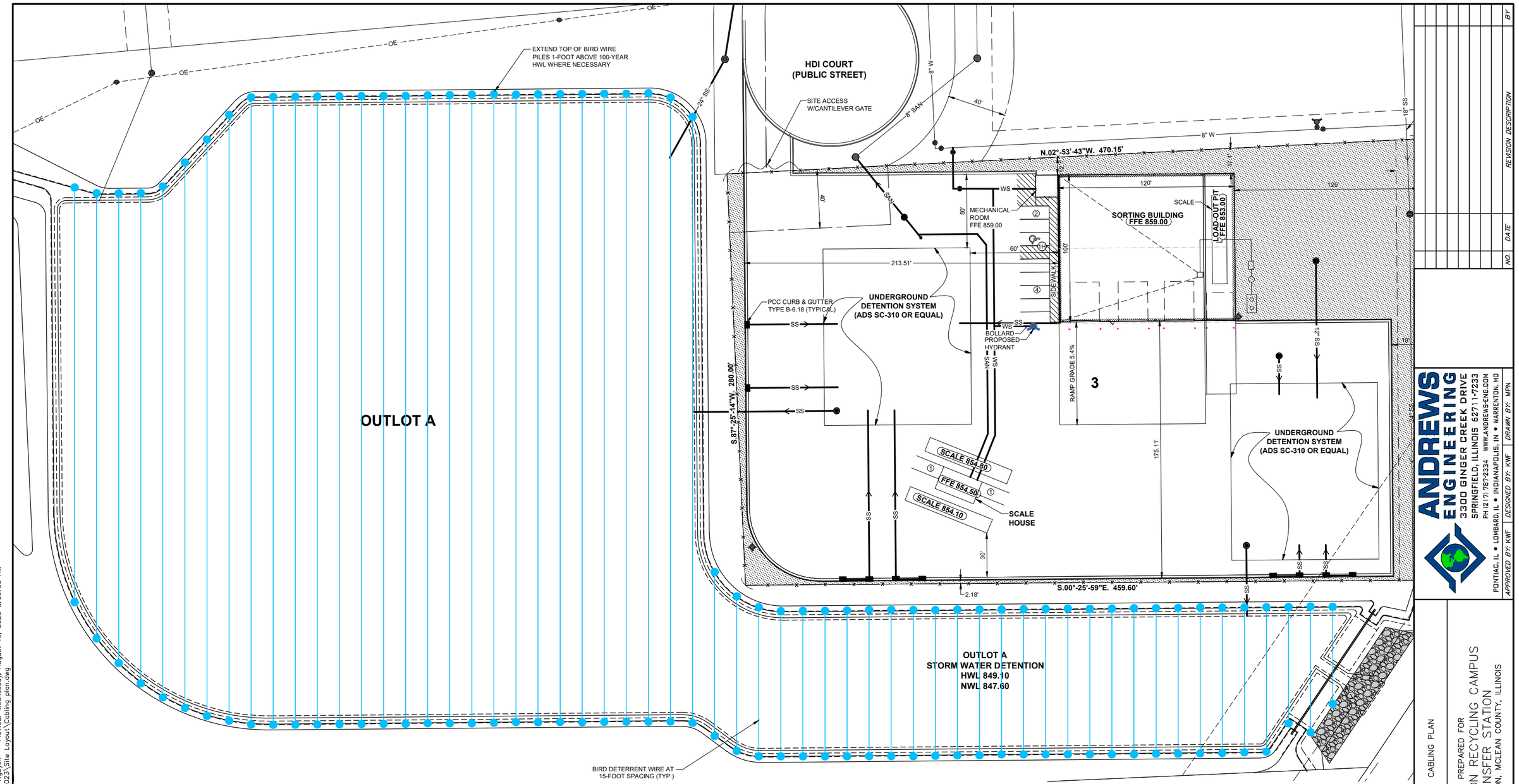
PROJECT ID:
230156/0013

SHEET NUMBER:

14

© 2023 Andrews Engineering, Inc.

Tab: 14 Last Saved: August 10, 2023, by Mike Nguyen Plotted: Wednesday, August 16, 2023 8:42:30 AM
C:\Civil 3D Projects\Henson Disposal\DWG\Bloomington TS\2023\Building Layout\Building Layout.dwg Tab: 14



N

30 0 30 60

LEGEND

- BOUNDARY OF FACILITY
- EASEMENT LIMITS
- BUILDING SETBACK LINE
- EXISTING SANITARY MANHOLE
- 8" SAN — EXISTING SANITARY SEWER
- EXISTING HYDRANT
- EXISTING WATER VALVE
- 8" W — EXISTING WATER MAIN
- EXISTING STORM MANHOLE
- 24" SS — EXISTING STORM SEWER
- 851 — EXISTING CONTOUR
- OE — EXISTING OVERHEAD ELECTRIC LINE
- PROPOSED RIP-RAP
- PROPOSED HYDRANT
- PROPOSED BOLLARD
- PROPOSED BUILDING
- PROPOSED SANITARY MANHOLE
- SAN — PROPOSED SANITARY SERVICE
- PROPOSED WATER VALVE
- WS — PROPOSED WATER SERVICE
- PROPOSED STORM MANHOLE
- PROPOSED STORM INLET
- 18" SS — PROPOSED STORM SEWER
- PROPOSED LIGHT POLE
- (8) NUMBER OF PARKING SPACES
- (1H) NUMBER OF HANDICAP PARKING SPACES
- x x x — PROPOSED 8'-HIGH SECURITY FENCE
- PROPOSED LANDSCAPED OR TURF AREAS
- PROPOSED DETERRENT WIRE

NO.	DATE	REVISION DESCRIPTION	BY

ANDREWS ENGINEERING
3300 GINGER CREEK DRIVE
SPRINGFIELD, ILLINOIS 62711-7233
PH (217) 787-2334 WWW.ANDREWS-ENG.COM
LOMBARD, IL • INDIANAPOLIS, IN • WARRENTON, MO
PONTIAC, IL • DESIGNED BY: KWF | DRAWN BY: MPN
APPROVED BY: KWF

CABLING PLAN

PREPARED FOR
LRS HENSON RECYCLING CAMPUS
TRANSFER STATION
BLOOMINGTON, MCLEAN COUNTY, ILLINOIS

DATE: AUGUST 2023

PROJECT ID: 230156/0013

SHEET NUMBER: 15

© 2023 Andrews Engineering, Inc.

Tab: Siting Exhibit Last Saved: August 11, 2023, by Mike Nguyen Plotted: Wednesday, August 16, 2023 8:39:56 AM
C:\Civil 3D Projects\Henson Disposal\DWG\Bloomington TS\2023\Site Layout\Cabling plan.dwg

APPENDICES:

APPENDIX 2-A:

HOST COMMUNITY AGREEMENT

HOST COMMUNITY AGREEMENT

This Host Community Agreement is made this 10th day of November, 2022 by and between Henson Disposal, LLC., an Illinois Limited Liability Company (the "Company"), and McLean County, Illinois, McLean County.

WITNESSETH:

WHEREAS, the Company desires to file with McLean County, Illinois ("County") its request for siting approval to construct and operate a transfer facility (the "Transfer Facility") on some or all of the property that is legally described in Exhibit A (the "Subject Property"), which is attached hereto and made a part hereof; and

WHEREAS, the Company desires to provide certain benefits to County with respect to the Transfer Facility if the Transfer Facility obtains all required approvals and satisfies all conditions precedent set forth herein; and

WHEREAS, if County grants siting approval for the Transfer Facility, the Illinois Environmental Protection Agency issues appropriate and necessary permits for the development and operation of the Transfer Facility on the Subject Property, and the Transfer Facility is constructed, commences operations, and receives waste, then the Company is willing to afford certain benefits as set forth herein to County; and

WHEREAS, County generally favors (in concept), as indicated in the current McLean County Solid Waste Management Plan, properly designed and operated Transfer Facilities, which can be of great benefit and can facilitate and enhance the clean, efficient, lawful, convenient and economical movement of municipal waste and recyclables from homes, businesses and industries; and

WHEREAS, all words used in this Agreement, which are not defined herein, but are defined in the Act and its corresponding regulations, shall have the same definitions and meanings as found in the Act and its corresponding regulations in effect on the date of this Agreement.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, County and the Company agree as follows:

1. INCORPORATION OF RECITALS

That the foregoing recitals are material to this Agreement and are hereby incorporated and made a part of this Agreement as if they were fully set forth herein.

2. DEFINITIONS

"Act" means the Illinois Environmental Protection Act, 415 ILCS 5/1 *et seq.*

"Agreement" means this Host Community Agreement.

"Anniversary Date" means the date that Municipal Waste or Recyclables are first received at the Transfer Facility.

"Application" means the Company's Application for siting approval for the Transfer Facility *pursuant* to Section 5/39.2 of the Act.

"Authorized Waste" means Municipal Waste, Landscape Waste and Recyclables as defined by Section 2 of this Agreement.

"Company" means Henson Disposal, LLC. an Illinois Limited Liability Company authorized to do business in Illinois.

"Host Benefit Fee" or "Host Fee" means the per ton fee payable to McLean County, commencing on the Anniversary Date, as more fully set forth in Section 5 herein.

"Host Benefit Fee Adjustment" means the upward adjustment of the Host Benefit Fee, as set forth in Section 5(e).

"Landscape Waste" means landscape waste as defined in Section 5/3.270 of the Act.

"Municipal Waste" means garbage, general household and commercial waste, industrial lunchroom or office waste, landscape waste, construction or demolition debris, in accordance with Section 5/3.290 of the Act. Further, the term municipal waste does not include any: 1) hazardous substance, as defined by Section 5/3.215 of the Act, 2) hazardous waste, as defined by Section 5/3.220 of the Act, 3) industrial process waste, as defined by Section 5/3.235 of the Act, 4) pollution control waste, as defined by Section 5/3.335 of the Act, 5) sludge, as defined by Section 5/3.465 of the Act, and 6) special waste, as defined by Section 5/3.475 of the Act. Municipal Waste includes non-hazardous industrial wastes.

"Operating Year" means the year commencing on the Anniversary Date.

"Parties" means McLean County ("County") and Company.

"Recyclables" means any material, which would otherwise be disposed or discarded, which is separated from Municipal Waste at the source of generation or at the Transfer Facility, so as to render it useable in a process, or alone, such that it can be returned to the economic mainstream in the form of raw materials or products.

"Subject Property" means the site described and shown in Exhibit A and B. "

County" shall mean McLean County, Illinois, a unit of local government.

"Transfer Facility" means "transfer station" as defined by Section 5/3.500 of the Act, including the property on which the transfer station is located, which may include some or all of the property as described and shown in Exhibit A and B.

"Waste Subject to the Host Fee" means Municipal Waste, as defined herein, and any other material that is received by the Transfer Facility to the exclusion of only Landscape Waste and source-separated Recyclables collected curbside. Landscape Waste and source-separated Recyclables collected curbside shall be included within Waste Subject to the Host Fee if they are transported to a landfill or other disposal facility.

3. TERM OF AGREEMENT

This Agreement commences on the date of execution and shall remain in force and effect until the Transfer Facility ceases to operate. The Company agrees to exercise all commercially reasonable efforts to operate the Transfer Facility for a minimum of twenty (20) years. In addition, this Agreement will terminate if: (1) the Company elects (in writing) to cease its efforts to site a transfer station on the Subject Property, (2) the Company ceases to use all reasonable and timely efforts to site a transfer station on the Subject Property, or (3) the Company ceases to use all reasonable and timely efforts to commence operation of the transfer facility after (if ever) it receives final, non-appealable siting approval for the transfer facility.

4. AUTHORIZED WASTE

The Transfer Facility shall receive only waste that is acceptable pursuant to permit issued by the Illinois Environmental Protection Agency, which is anticipated to include Municipal Waste, Landscape Waste, and Recyclables ("Authorized Waste"). The Transfer Facility shall not knowingly receive any hazardous substance or hazardous waste, as those terms are defined in the Act. If any waste, other than Authorized Waste, is received at the Transfer Facility, it shall be promptly removed from the waste stream and transferred to an appropriate facility to be legally recycled or disposed of within an appropriate timeframe or placed back on the vehicle that transported said waste to the Transfer Facility. "Authorized Waste" as defined herein shall include Recyclables.

5. HOST BENEFIT FEE

a. Host Benefit Fee. The Company shall pay County a Host Benefit Fee ("Host Fee") based on each ton of Waste Subject to the Host Fee received by the Transfer Facility as defined herein. The Host Fee shall be calculated in accordance herewith. Such Host Fee shall be paid in lieu of any other solid waste surcharge or assessment otherwise allowed by county, state or federal law (including, but not limited to Section 22.15(j) of the Act) to be assessed against the Company or the Transfer Facility, but shall not preclude County from assessing and collecting (or attempting to assess and collect) any such fees or surcharges from the operator of a landfill in County to which such Waste is sent for disposal. County agrees that it will neither levy nor collect, or attempt to levy or collect any additional fees or taxes, or increase the amount of fees or taxes impacting the Company, the Company's property or any of the operations conducted thereon, provided, however, that the foregoing restriction on the levy and collection of any additional fees or taxes by County shall not apply to: (i) any fee or tax which is uniformly assessed upon all members of a class of taxpayers of which the Company is a member (other than a class of taxpayers based solely on ownership or operation of a waste transfer station or solid waste management facility), (ii) real estate taxes, (iii) ad valorem taxes similarly assessed on other property or operations, (iv) utility taxes (v) telecommunication taxes, (vi) any other fee or tax which the Company is obligated to pay pursuant to county, state, or federal law, or pursuant to the laws or regulations of any governmental entity with jurisdiction. If, despite the aforesaid, County levies, collects or attempts to levy or collect a fee or tax prohibited by this Agreement, the Company,

may (subject to McLean County's right to challenge the propriety of any such deduction/offset), elect to pay any such fee or tax, with written notice to County and deduct the amount thereof from any Host Benefit Fee payable to County pursuant to the terms and conditions of this Agreement.

b. Calculation. The Company shall pay directly to County a Host Fee of $1.00 on each ton of Waste except that on each ton of Construction and Demolition Debris (C&DD) the Company shall pay fifty cents ($.50) on each ton. Fifty percent (50%) of the Host Fee will be used by County to support organizations identified by the County that are involved in recycling or recycling education, including but not limited to the Ecology Action Center. The remainder of the Host Fee may be used by the County for purposes of its own as determined solely by County. The Host Fee shall be calculated and recorded daily. The Host Fee shall be calculated based on each ton of Waste Subject to the Host Fee received by the Transfer Facility. The Host Fee shall be paid to County quarterly for all Waste received during the quarter of each Operating Year. Each such quarter shall coincide with McLean County's fiscal year, which runs from January 1st of each year to January 1st of the following year.

c.

d. The Host Benefit Fee shall not apply to any Recyclables or Landscape Waste transferred through the Transfer Facility that do not fall within the meaning of Waste Subject to the Host Benefit Fee, or to any waste accepted from County at no charge to County pursuant hereto, where such material would otherwise fall within the definition of Waste Subject to the Host Benefit Fee. Any Host Benefit Fee paid to another community for Authorized Waste collected in that community shall be deducted from the Host Benefit fee due to County for that Authorized Waste.

e. The total Host Benefit Fee payable to the County shall reduce to $0.50 on each ton of Waste if and when the Subject Property is annexed into the City of Bloomington, these payments to commence when the Company is required to pay host fees to the City of Bloomington.

f. Host Benefit Fee Adjustment. The Host Benefit Fee shall be adjusted on an annual basis after the first three (3) years from the Anniversary Date of the Agreement by the percentage change during the previous calendar year in the Revised Consumer Price Index for All Items (Chicago-Gary-Kenosha) published by the United States Department of Labor Statistics, which shall not exceed three percent (3%) in any given calendar year. The Annual Host Benefit Fee adjustment shall be capped at three percent (3%) through the tenth (10^{th}) year from the Anniversary Date of this Agreement. Thereafter the Annual Host Benefit Fee adjustment shall be capped at five (5%) percent. However, if the percentage change and the CPI is negative, it shall be treated as being unchanged. Should, at any time, such calculation of the adjustment to the Host Benefit Fee become impossible, the parties shall negotiate in good faith to agree on an alternative method as close as reasonably possible in terms of results to that provided in this Agreement. County shall have the right to inspect, audit and contest any determination made by the Company that the Host Benefit Fee was not payable on any material transported from the Transfer Facility for disposal or other use at a landfill or other permanent disposal facility. County may dispute any payment statement submitted by the Company within five (5) years of receipt of such statement. In any such dispute, the Parties agree that if the Company has failed to maintain the records required under this Agreement, the Company shall carry the burden of proving that the Host Benefit Fee was not payable on said material. During the pendency of any dispute, the Company shall under any circumstances and in all events pay the undisputed portion of any such Host Benefit Fee.

g. Payment. The Host Benefit Fee shall be payable to County on a quarterly basis. Such quarterly payments shall be paid to County by the 30th day following the end of each quarter. Each

payment shall be accompanied by a report documenting the data and methodology used to determine the payment amount.

6. WEIGHING OF TRANSFER STATION RECEIPTS

For the purpose of calculating the Host Benefit Fee, the Company shall maintain and operate a certified scale, which shall be inspected and certified by the State of Illinois at the expense of the Company, at least once each calendar year.

7. RECORDS change to 5 years?

a. The Company shall maintain daily records of the amounts and types of Authorized Waste received at the Transfer Facility. Such records shall be maintained for a period of at least five (5) years. Such records shall include disposal tickets or logs, showing the amount in tons of Authorized Waste brought into the Transfer Facility, recycled material and/or other materials recovered from such Authorized Waste, and Waste Subject to the Host Fee for each truck transferring material from the Transfer Facility. In addition, records shall be kept and shall be provided to County upon written request regarding: (i) the hours of operation of the Transfer Facility, and (ii) the amount of the Host Benefit Fee payable on each ton of Waste Subject to the Host Fee in each calendar quarter, (iii) the total Host Benefit Fee payable during each calendar quarter, and (iv) the amount (weight) and type of Authorized Waste received.

b. County shall have the right to audit the records of the Company upon five (5) business days' notice. At McLean County's discretion, the audit may be performed by an accountant or other consultant selected by McLean County. The Company covenants and agrees to fully cooperate with County and its designee during any audit and/or inspection, to respond timely and fully to any questions or request, and to make pertinent Company employees available for interviews.

c. Where such audit determines that the Company has underpaid the Host Benefit Fee, the Company shall pay the reasonable cost of the audit if the Company has underpaid by 5% or more.

d. Upon reasonable notice, McLean County, its authorized agents and representatives shall be permitted to inspect such records maintained by the Company. County shall also be permitted to inspect any and all records maintained by the Company concerning the Waste Subject to the Host Fee, compliance with this Agreement, and/or compliance with any and all applicable federal, state and local laws, statutes, regulations, rules and/or ordinances relating to the operation of the Transfer Facility. The Company shall provide digital or hard copies of any records at its cost if requested by McLean County.

e. The County acknowledges that the books and records of the Transfer Facility contain information which constitutes trade secrets within the meaning of the Illinois Trade Secrets Act. The County shall treat all information obtained from inspection and copying of books and records of the Transfer Facility as confidential and shall not disclose or permit disclosure of such information to persons other than the County, its employees or agents only as required by law or in a legal action subject to a protective order. The Transfer Facility Operator may redact trade secrets or other confidential information from books and records of the Transfer Facility prior to inspection or copying by the County or its agents, provided such redactions do not include numerical or other information required to determine the amount of

Host Benefit Fees payable to the County. Notwithstanding anything to the contrary herein, upon the request of the County, the Transfer Facility Operator shall provide a customer list and the amount of Landfill Waste each customer brought to the Transfer Station in the period of time requested by the County.

8. ENVIRONMENTAL BENEFITS

The Transfer Facility will reduce the amount of emissions otherwise generated by packer trucks by reducing the number of miles packer trucks need to travel within and around County transporting waste for ultimate disposal. Reduced packer truck miles will also result in less wear and tear on County roads, and also reduce the overall traffic impact and environmental impact of packer trucks within McLean County.

9. MCLEAN COUNTY SOLID WASTE MANAGEMENT PLAN

The 2017 Solid Waste Management Plan Update for McLean County, Illinois sets forth recommendations related to the development of transfer stations. For purposes of the Application for the Transfer Facility, the questions identified in Recommendation. County finds that the proposed Transfer Facility is consistent the McLean County Solid Waste Management Plan.

10. COMPLIANCE WITH LAWS

The Company shall strictly comply with all applicable laws, regulations and ordinances, as well as all final and non-appealable conditions of site location approval pursuant to Section 5/39.2 of the Act (should it be approved by the County), as well as the terms, conditions, and requirements of any permit that is issued for the development and operation of the Transfer Facility and the terms and provisions of this Agreement.

11. TRANSFER FACILITY CONTROL MEASURES

a. Noise Control. All equipment utilized for operations shall be equipped with mufflers or other sound suppressing devices required for compliance with applicable State statutes and regulations. Transfer Station Building doors will remain closed each day from the hours of 4:00 am to 8:00 pm and shall only be opened during this time period to allow for the arrival and/or departure of vehicles to and from the Transfer Station Building.

b. Rodent/Vector Control. The Company shall retain a pest control service on an on-going basis to address the potential for infestation by rodents and other vectors, whereby such service shall inspect the Transfer Facility on an as needed, but no less than monthly, basis.

c. Fire Control and Prevention. The Transfer Facility shall be equipped with a sprinkler system that is designed in accordance with the requirements of the International Building Code (2021 or later).

d. Storage. No waste or other material shall be left on the floor inside the transfer building or outside the transfer building on the Subject Property overnight. Waste may be kept temporarily in transfer trailers for no more than 24 hours (except on weekends and holidays), provided that such trailers are stored indoors and suitably covered. Empty transfer trailers may be stored outdoors for no more than 24 hours (except on weekends and holidays). No outside storage of empty roll-offs, other waste containers, and/or packer trucks shall be allowed other than necessary to meet the ongoing operational needs and requirements of the Subject Property.

e. Traffic. The Company shall ensure that the Subject Property contains adequate queuing space for vehicles waiting to access the Transfer Station Building. In addition, the Company shall (at its own expense) install such de-acceleration turning lanes as are necessary to minimize the impact on existing traffic flows.

f. Minimum Measures. The various control measures contained herein represent minimum control measures which in no way limit the ability of the siting authority to impose further conditions upon siting approval, and/or limit the application of or ability of the primary host community to take any action regarding a nuisance and/or enforce any applicable law, ordinance or regulation.

g. Source of water. The Company proposes to acquire water from the City of Bloomington.

h. Employees. There will be one scale house operator and three machine operators/laborers employed on the facility.

i. The Company shall conduct all operations in a manner that does not cause a nuisance and is protective of the public health, safety, welfare, and the environment.

12. INDEMNIFICATION

To the fullest extent permitted by law, the Company hereby agrees to defend, indemnify and hold harmless the County, its officials, agents and employees, against all injury in any way related to the Transfer Facility or the operation thereof, including, but not limited to all harm, deaths, loss, damages (personal or property), claims, suits, proceedings (administrative, judicial or otherwise), liabilities, judgments, costs of defense, expenses and fees including, but not limited to, attorney and expert fees, (all hereinafter collectively referred to as "injuries") which may in anyway accrue against McLean County, its officials, agents and employees, regardless of whether those injuries result in whole or in part as a consequence of any action or approval by County or the acts or conduct of the Company, or its successors or assigns, its employees, agents, or subcontractors.

13. INSURANCE

The Company shall purchase and maintain or cause to be purchased and maintained in full force and effect at all times on and after the construction of the Transfer Facility and continuing at all times that waste is received at the Transfer Facility for the term of this Agreement the following insurance coverages:

a. Commercial General Liability insurance in an amount not less than $1,000,000 per occurrence and a combined limit of $2,000,000.

b. Excess liability insurance covering claims in excess of the underlying insurance described in Section 15 (a) above and Section 15(e) below, with an additional $5,000,000 minimum limit.

c. Workers Compensation Insurance as required by Illinois law and regulations.

d. Employer's Liability Insurance in the amount of $2,000,000 per accident

e. Environmental Impairment and Liability Insurance (both onsite and offsite) in an amount not less than $2,000,000 per occurrence and a combined limit of $5,000,000 in the aggregate.

14. NOTICES

Any notices to be given hereunder by either party to the other shall be in writing and be sent by personal delivery, by overnight delivery service or by registered or certified mail, postage prepaid, return receipt requested. Such notice shall be deemed communicated when delivered or two (2) business days from the date of mailing whichever is earlier. Notices shall be addressed as set forth below, but each party may change its address by written notice to the other in accordance with this Section.

TO MCLEAN COUNTY AT:
McLean County Administration
115 E. Washington Street, Room 401
Bloomington, IL 61701

TO THE COMPANY AT:
Henson Disposal, Inc.
2148 Tri Lakes Rd.
Bloomington, IL 61704

15. ASSURANCE OF PERFORMANCE AND GUARANTEE

The Company shall take in timely fashion all steps that are necessary to insure the prompt and complete performance and satisfaction of all liabilities, obligations, payments and duties of any type, kind or sort which may arise by operation of federal, state and local statute, law, rule, directive, ordinance or mandate, as well as the terms and conditions of this Agreement.

16. COVENANTS RUN WITH THE LAND

The Parties agree that the covenants, agreements and understandings contained in this Agreement, including without limitation the obligation to pay the Host Benefit Fee, (and the Additional Host Benefit Fee if applicable) touch and concern the Subject Property, and that such covenants, agreements, and understanding shall run with the Subject Property and any nonpayment hereunder shall constitute a lien on the Subject Property. The Company agrees that County may prepare, and the Company shall promptly execute duplicate originals of an instrument, in recordable form, which will constitute a memorandum of Host Community Agreement, attaching an executed copy of this Agreement as an exhibit, and record such Memorandum in the Office of the McLean County Clerk.

17. PRIORITY GIVEN TO MCLEAN COUNTY WASTE

Commencing with the first day of operation and receipt of waste at the Transfer Facility and continuing thereafter until the Transfer Facility ceases to operate and accept waste, the Company shall give priority to waste received from McLean County.

18. COMMENCEMENT OF OPERATIONS

Unless otherwise agreed to in writing, the parties agree that operation of the Transfer Facility and initial receipt of waste at the Transfer Facility shall not commence/start earlier than January 1, 2024.

19. SEVERABILITY

If a court of competent jurisdiction holds or adjudges any provision of this Agreement invalid, said judgment shall not affect, impair or invalidate the remainder of this Agreement, but shall be confined in its operation to the provision, clause, sentence, paragraph, section, or part thereof directly involved in the controversy in which such judgment shall have been rendered. It is hereby declared to be the intent of this Agreement that this Agreement would have been approved had such invalid provision, clause, sentence, paragraph, section, or part thereof not been included. No amendment, modification or changes to this Agreement shall be effective unless the same shall be in writing and duly executed by County and the Company.

20. GOVERNING LAW AND VENUE

The laws of the State of Illinois shall govern this Agreement. Venue for the purposes of any dispute which may arise between County and the Company, shall be deemed to be the Eleventh Judicial Court in and for McLean County, Illinois.

21. FORCE MAJEURE

Neither County nor the Company shall be liable for its failure to perform under this Agreement to the extent such failure is due to contingencies beyond its reasonable control, including, without limitation, strikes, riots, war, fire, acts of God, compliance with any law, regulation or order, whether valid or invalid, of the United States of America or any other governmental body or any instrumentality thereof, whether now existing or hereafter created.

22. DEFAULT

a. If Transfer Facility Operator or the County commits a material breach of this Agreement in regard to payment, the breaching party shall have a period of thirty (30) calendar days from and after receipt of written notice from the other of such breach in which to cure the breach. If the breaching party fails to cure the breach during such period, the breaching party shall be in default;

b. If Transfer Facility Operator or the County commits a material breach of this Agreement other than in regard to payment, the breaching party shall have a period of thirty of (30) calendar days from and after receipt of written notice from the other of such breach in which to cure the breach, or a longer period if the breaching party has diligently attempted to cure the breach during such period but has been unable to do so. If the breaching party fails to cure the breach during such period, as extended, the breaching party shall be in default;

c. The County recognizes that the cure of breach may require regulatory approval from the IEPA or some other regulatory agency and that the time of preparation of a request for such approval as well as the time it takes for the regulatory agency to review such a request shall be part of the cure period;

d. In the event that either party is in default under this Agreement, the party not in default shall have the right to enforce all rights and remedies under this Agreement, as well as to pursue any other remedy now or hereafter available under applicable law; and

e. Except as set forth in Section 22.c. of this Agreement, nothing in this Agreement to the contrary shall delay or hinder the immediate enforcement of this Agreement, ordinance or law which may, in any manner, negatively impact the public health, safety or welfare.

23. AUTHORITY TO ENTER INTO AGREEMENT

County and the Company hereby represent and warrant to each other that the individuals executing this Agreement in their official capacities have been duly authorized and empowered to sign this Agreement. County shall provide the Company with a certified copy of the ordinance of its Board authorizing the execution of this Agreement by the undersigned representatives of McLean County. The Company shall provide County with a copy of the corporate resolution authorizing the execution of this Agreement by the undersigned representatives of the Company.

[REMAINDER OF PAGE INTENTIONALLY LEFT BLANK; SIGNATURE PAGE TO FOLLOW]

MCLEAN COUNTY

BY: _____
John D. McIntyre

Its: County Board Chairman

HENSON DISPOSAL, LLC

BY: Tom Kirk

Its: President Tom Kirk

EXHIBIT A
SUBJECT PROPERTY DESCRIPTION

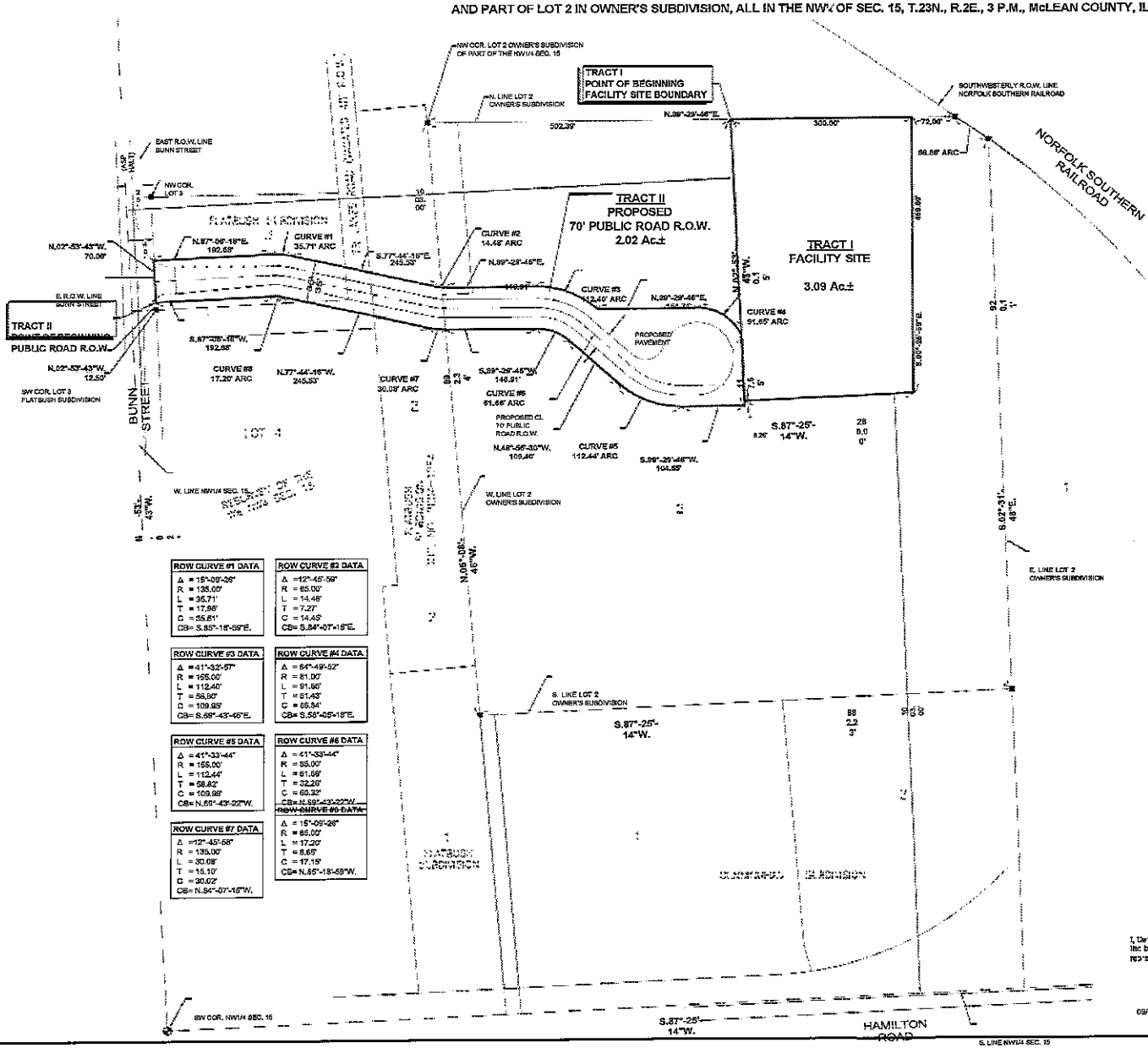
EXHIBIT A
SUBJECT PROPERTY DESCRIPTION

A part of Lot 2 in Owner's Subdivision of part of the NW¼ of Section 15, Township 23 North, Range 2 East of the Third Principal Meridian, McLean County, Illinois, more particularly described as follows: Commencing at the northwest corner of Lot 2 in Owner's Subdivision of part of the NW¼ of Section 15 according to the Plat thereof recorded in Plat Book 9 on Page 82; thence N.89°-29'-46"E. 502.39 feet on the north line of said Lot 2 to the Point of Beginning; thence continuing N.89°-29'-46"E. 300.00 feet on the north line of said Lot 2; thence S.00°-25'-59"E. 459.60 feet to a point 1003.00 feet north of the south line of the NW¼ of said Section 15; thence S.87°-25'-14"W. 280.00 feet parallel with the south line of the NW¼ of said Section 15 to a point 1003.00 feet east of the west line of the NW¼ of said Section 15; thence N.02°-53'-43"W. 470.15 feet parallel with the west line of the NW¼ of said Section 15 to the Point of Beginning containing 3.09 acres, more or less, with assumed bearings given for description purposes only.

EXHIBIT B
PLAT OF SURVEY

PLAT OF SURVEY

PART OF LOTS 2 AND 3 IN FLATBUSH SUBDIVISION, PART OF LOT 4 IN RE-SURVEY OF THE W½ NW¼, PART OF VACATED TRI-LAKES ROAD AND PART OF LOT 2 IN OWNER'S SUBDIVISION, ALL IN THE NW¼ OF SEC. 15, T.23N., R.2E., 3 P.M., McLEAN COUNTY, ILLINOIS



ROW CURVE #1 DATA	ROW CURVE #2 DATA
Δ = 15°-09'-26"	Δ =12°-45'-59"
R = 135.00'	R = 65.00'
L = 35.71'	L = 14.46'
T = 17.95'	T = 7.27'
C = 35.61'	C = 14.45'
CB= S.85°-18'-59"E.	CB= S.84°-07'-16"E.

ROW CURVE #3 DATA	ROW CURVE #4 DATA
Δ = 41°-32'-57"	Δ = 64°-49'-52"
R = 155.00'	R = 81.00'
L = 112.40'	L = 91.65'
T = 58.80'	T = 51.45'
C = 109.99'	C = 86.84'
CB= S.69°-43'-46"E.	CB= S.58°-05'-18"E.

ROW CURVE #5 DATA	ROW CURVE #6 DATA
Δ = 41°-33'-44"	Δ = 41°-33'-44"
R = 155.00'	R = 85.00'
L = 112.44'	L = 61.69'
T = 58.82'	T = 32.26'
C = 109.98'	C = 60.32'
CB= N.69°-43'-22"W.	CB= N.69°-43'-22"W.
	ROW CURVE #6 DATA

ROW CURVE #7 DATA	
Δ =12°-45'-58"	Δ = 15°-09'-26"
R = 135.00'	R = 65.00'
L = 30.08'	L = 17.20'
T = 15.10'	T = 8.65'
C = 30.02'	C = 17.15'
CB= N.84°-07'-16"W.	CB= N.85°-18'-59"W.

N

50 0 50 100

LEGEND

- SUBJECT PREMISES BOUNDARY
- RIGHT OF WAY CENTERLINE
- ⊗ 5/8" IRON ROD FOUND (UNLESS OTHERWISE NOTED)

Tract I

Legal Description Facility Site

A part of Lot 2 in Owner's Subdivision of part of the NW¼ of Section 15, Township 23 North, Range 2 East of the Third Principal Meridian, McLean County, Illinois, more particularly described as follows: Commencing at the northwest corner of Lot 2 in Owner's Subdivision of part of the NW¼ of Section 15 according to the Plat thereof recorded in Plat Book 9 on Page 32; thence N.89°-29'-46"E. 502.39 feet on the north line of said Lot 2 to the Point of Beginning; thence continuing N.89°-29'-46"E. 300.00 feet on the north line of said Lot 2; thence S.00°-26'-59"E. 459.60 feet to a point 1003.00 feet north of the south line of the NW¼ of said Section 15; thence S.87°-25'-14"W. 280.00 feet parallel with the south line of the NW¼ of said Section 15 to a point 1003.00 feet east of the west line of the NW¼ of said Section 15; thence N.02°-53'-43"W. 470.15 feet parallel with the west line of the NW¼ of said Section 15 to the Point of Beginning containing 3.09 acres, more or less, with assumed bearings given for description purposes only.

Tract II

Proposed Public Street Access Legal Description

A part of Lots 2 and 3 in Flatbush Subdivision, a part of Lot 4 in Re-Survey of the W½ of the NW¼, a part of vacated Tri-Lakes Road and a part of Lot 2 in Owner's Subdivision, all in the NW¼ of Section 15, Township 23 North, Range 2 East of the Third Principal Meridian, McLean County, Illinois, more particularly described as follows: Commencing at the southwest corner of Lot 3 in Flatbush Subdivision on the east right of way line of Bunn Street; thence N.02°-53'-43"W. 12.50 feet on the said east right of way line of Bunn Street and west line of said Lot 3 to the Point of Beginning; thence continuing N.02°-53'-43"W. 70.00 feet on the west line of said Lot 3 and east right of way line of Bunn Street; thence N.87°-06'-16"E. 192.68 feet; thence southeasterly 35.71 feet on a tangential curve concave to the southwest having a radius of 135.00 feet, central angle of 15°-09'-26" and a chord of 35.61 feet bearing S.85°-18'-59"E. from the last described course; thence S.77°-44'-16"E. 245.53 feet; thence easterly 14.46 feet on a tangential curve concave to the north having a radius of 65.00 feet, central angle of 12°-45'-58" and a chord of 14.43 feet bearing S.84°-07'-15"E. from the last described course; thence N.89°-29'-46"E. 146.91 feet; thence southeasterly 112.40 feet on a tangential curve concave to the southwest having a radius of 155.00 feet, central angle of 41°-32'-57" and a chord of 109.95 feet bearing S.69°-43'-46"E. from the last described course; thence N.89°-29'-46"E. 104.55 feet; thence southeasterly 91.65 feet on a tangential curve concave to the southwest having a radius of 81.00 feet, central angle of 64°-49'-52" and a chord of 86.84 feet bearing S.58°-05'-18"E. from the last described course, to a point 1003.00 feet east of the west line of the NW¼ of said Section 15; thence S.02°-53'-43"E. 117.55 feet parallel to the said west line of the NW¼ of Section 15; thence S.89°-29'-46"W. 104.55 feet; thence northwesterly 112.44 feet on a tangential curve concave to the northeast having a radius of 155.00 feet, central angle of 41°-33'-44" and a chord of 109.98 feet bearing N.69°-43'-22"W. from the last described course; thence N.48°-56'-30"W. 109.46 feet; thence westerly 61.65 feet on a tangential curve concave to the southwest having a radius of 85.00 feet, central angle of 41°-33'-44" and a chord of 60.32 feet bearing N.69°-43'-22"W. from the last described course; thence S.89°-29'-46"W. 146.91 feet; thence northwesterly 30.08 feet on a tangential curve concave to the northeast having a radius of 135.00 feet, central angle of 12°-45'-58" and a chord of 30.02 feet bearing N.84°-07'-15"W. from the last described course; thence N.77°-44'-16"W. 245.53 feet; thence northwesterly 17.20 feet on a tangential curve concave to the southwest having a radius of 65.00 feet, central angle of 15°-09'-26" and a chord of 17.15 feet bearing N.85°-18'-59"W. from the last described course; thence S.87°-06'-16"W. 192.68 feet to the Point of Beginning containing 2.02 acres, more or less, with assumed bearings given for description purposes only.

I, David P. Brown, Illinois Professional Land Surveyor No. 2725, do hereby certify that to the best of my knowledge and belief the above plat is an accurate representation of the survey made under my direction between ____, ____.

Date 08/09/2022

David P. Brown
Illinois Professional Land Surveyor No. 2725
Lewis, Yockey & Brown, Inc.

DAVID P. BROWN 2725 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS

LYB
www.lybinc.com

Lewis, Yockey & Brown, Inc.
Consulting Engineers & Land Surveyors
DESIGN FIRM LICENSE NO. 184.005898
604 NORTH MAIN SHANNON BOOKWALTER MACKEY, DOLORES
PH. (309) 828-2562

REVISED	
-	-
-	-
-	-
-	-
-	-
-	-

DR.	929
DRN.	MD/JEB/EJE
DSN.	DPB
APP.	DPB

HENSON DISPOSAL
MUNICIPAL SOLID WASTE TRANSFER STATION
FACILITY SITE SURVEY &
PUBLIC ROAD R.O.W. SURVEY
McLEAN COUNTY, ILLINOIS

SHEET 1 OF 1

JOB # 4920.05

APPENDIX 2-B:

WATER AND SEWER AGREEMENT

DocuSign Envelope ID: 2719A052-ACCD-41D8-8CAD-58332E23257A

AGREEMENT FOR THE EXTENSION OF SEWER AND WATER MAINS AND FOR THE PROVISION OF SEWER AND WATER SERVICES

THIS AGREEMENT made and entered into this 27th day of January, 2023, by and between the City of Bloomington, a Municipal Corporation, hereinafter called "CITY" and TKnTK, LLC, including any of their subsidiaries, assigns, agents, tenants and/or future owners or occupants of the Subject Property (hereinafter collectively referred to as "CUSTOMER") owner of record of the real property, hereinafter described ("SUBJECT PROPERTY"):

WITNESSETH:

WHEREAS, the SUBJECT PROPERTY is located in unincorporated McLean County but is adjacent and contiguous to the CITY; and

WHEREAS, CUSTOMER has (or will) apply to McLean County to site and operate a municipal waste transfer station (i.e., a pollution control facility) (hereafter the "FACILITY") on the SUBJECT PROPERTY, all in accordance with the requirements of the Illinois Environmental Protection Act; and

WHEREAS, in connection with said application, CUSTOMER desires to obtain municipal sanitary sewer and municipal water supply services from the CITY for the FACILITY; and

WHEREAS, the CITY acknowledges and recognizes that if approved, the FACILITY will generate "leachate" and CUSTOMER affirms that it will coordinate and obtain approval

DocuSign Envelope ID: 2719A052-ACCD-41D8-8CAD-58332E23257A

from the Bloomington-Normal Water Reclamation District ("BNWRD") for the receipt and treatment of such leachate from the FACILITY; and

WHEREAS, storm water is not allowed in the sanitary sewer and accordingly CUSTOMER will not use the municipal sanitary sewer service for storm water management and instead will design and operate the FACILITY to divert storm water in accordance with applicable legal requirements; and

WHEREAS, CUSTOMER acknowledges that CITY is under no obligation to provide sanitary sewer services or water supply services to the SUBJECT PROPERTY and therefore CUSTOMER freely agrees to the terms and conditions set forth herein as consideration for the CITY's provision of such sanitary sewer and water supply services; and

WHEREAS, the CITY desires and the CUSTOMER agrees to provide certain environmental protection and compensation to the City with respect to the FACILITY if the FACILITY obtains all required approvals for the FACILITY and commences operation; and

WHEREAS, the CITY has not consented to, concurred in, or objected to the proposed plans of the CUSTOMER to develop the FACILITY and nothing in this Agreement shall be deemed by the CUSTOMER, the CITY, or other public agencies, or the public to indicate that the CITY has heretofore adopted any position on the potential development of the FACILITY; and

WHEREAS, if McLean County grants site location approval of the FACILITY, and if thereafter the Illinois Environmental Protection Agency issues permits for the development and operation of the FACILITY, the CUSTOMER is willing to conform the design and operation of the FACILITY to the requirements of this Agreement, including the payment of secondary community benefits as set forth herein as a form of general revenue to the CITY for use by the CITY for those purposes determined by the CITY to be in its best interests.

DocuSign Envelope ID: 2719A052-ACCD-41D8-8CAD-58332E23257A

NOW THEREFORE in consideration of the mutual covenants and undertakings herein made, CITY and CUSTOMER herein covenant and agree as follows:

1. The recitals set forth above are incorporated herein and made a part hereof.

PROVISIONS CONCERNING SEWER AND WATER SERVICES

2. CITY agrees to allow CUSTOMER, in accordance with all CITY standards, rules and applicable laws, to design, plan, and construct under a permit, at the CUSTOMER'S sole cost and expense, sanitary sewer main as generally sized and depicted on the approved preliminary plan or plat of said area attached hereto and made a part hereof, and in accordance with specifications approved by the CITY, for the benefit of the FACILITY and the SUBJECT PROPERTY. Upon inspection and approval by the CITY, the CUSTOMER shall issue a bill of sale transferring ownership of the mains to the City. The CUSTOMER shall provide the bonds (performance, payment and maintenance) as required by the CITY's Ordinances and policies. This work is subject to the Illinois Prevailing Wage Act.

3. CITY agrees to allow CUSTOMER, in accordance with all CITY standards, rules and applicable laws, to design, plan, and construct, under a permit, at the CUSTOMER'S sole cost and expense, water main as generally sized and depicted on the approved preliminary plan or plat of said area attached hereto and made a part hereof, and in accordance with specifications approved by the CITY, for the benefit of the FACILITY and the SUBJECT PROPERTY. Upon inspection and approval by the CITY, the CUSTOMER shall issue a bill of sale transferring ownership of the mains to the City. The CUSTOMER shall provide the bonds (performance, payment and maintenance) as required by the CITY's Ordinances and policies. This work is subject to the Illinois Prevailing Wage Act.

DocuSign Envelope ID: 2719A052-ACCD-41D8-8CAD-58332E23257A

4. CUSTOMER shall reimburse the CITY for those expenses incurred in professional services related to permitting, inspecting and reviewing the CUSTOMER's work and, within 90 days of filing its application with McLean County for the approval of the FACILITY, shall deposit $50,000.00 with the City for these purposes. The CITY shall account for the use of the deposit and the CUSTOMER shall replenish the amount on deposit in such reasonable amounts as directed by the CITY. The "professional services" set forth in this section also includes any reasonable attorney fees from legal counsel outside the City incurred by the City associated with the review and negotiation of this Agreement.

5. CUSTOMER agrees that said extended mains shall become the property of and subject to the control of the CITY as a part of its sewer and water systems and that CUSTOMER and all successors to the property shall become subject to and shall be obligated to conform to all terms of this Agreement and for the payment of charges for water and sewer services as provided herein and amended from time to time.

6. CUSTOMER shall comply with the City's Ordinances concerning the provision of sewer and water services. CUSTOMER shall pay for the sewer and water services provided by the CITY at the rates set forth in the CITY's Ordinances in existence -- and as amended from time to time -- for those properties and customers located outside the CITY's corporate limits, multiplied by a factor of 2.

CUSTOMER, in accordance with all standards, rules, and guidelines, and at the CUSTOMER'S sole cost and expense, shall plan, purchase from the CITY, and install, under a permit a water meter for the Facility. The CITY will maintain the water meter at the CUSTOMER'S sole cost and expense.

DocuSign Envelope ID: 2719A052-ACCD-41D8-8CAD-58332E23257A

CUSTOMER, in accordance with all standards, rules, and guidelines, and at the CUSTOMER'S sole cost and expense, shall plan, and construct, under a permit a sanitary sewer system that will allow for the CITY'S installation of a sanitary sewer meter for the Facility. The CITY will install and maintain the sanitary sewer meter at the CUSTOMER'S sole cost and expense.

PROVISIONS CONCERNING THE DESIGN AND OPERATION OF THE FACILITY

7. Definitions. As used in this agreement, the following words and phrases shall have the definitions as set forth in this Section:

"Act" as used in these definitions and this Agreement, shall mean the Illinois Environmental Protection Act, as amended from time to time (415 ILCS 5/1, et seq.).

"Construction or Demolition Debris" whether or not capitalized, means "clean construction or demolition debris" as defined by Section 5/3.160(b) of the Act (415 ILCS 5/3.160(b)), or "general construction or demolition debris," as defined by Section 5/3.160(a) of the Act (415 ILCS 5/3.160(a)).

"Food Scrap" whether or not capitalized and used in any of its grammatical forms, means "food scrap" as defined in Section 5/3.197 of the Act (415 ILCS 5/3.197).

"Hydro Excavation Wastes" is a solid/liquid waste such as hydro/vacuum excavation muds, underground excavation material, and other similar materials.

"IAC" as used in these definitions and this Agreement, shall mean the Illinois Administrative Code.

"IEPA" means the Illinois Environmental Protection Agency.

"IPCB" means the Illinois Pollution Control Board.

"Landscape Waste" whether or not capitalized and in any of its grammatical forms, means "landscape waste" as defined by Section 5/3.270 of the Act.

"Municipal Waste" whether or not capitalized and used in any of its grammatical forms, means "municipal solid waste", as defined by Section 5/3.290 of the Act (415 ILCS 5/3.290), except that such waste does not include Construction or Demolition Debris, Recyclables, Unacceptable Waste, or Landscape Waste.

DocuSign Envelope ID: 2719A052-ACCD-41D8-8CAD-58332E23257A

"Recyclables" whether or not capitalized and used in any of its grammatical forms, means any material, which would otherwise be disposed of or discarded, which is separated from Municipal Waste or Construction or Demolition Debris at the source of generation so as to render it useable in a process, or alone, such that it can be returned to the economic mainstream in the form of raw materials or products. Examples of recyclables are newspaper, glass bottles, high density, polyethylene containers, aluminum food and beverage containers, chipboard, and corrugated containers. Recyclables do not include any materials removed or separated from, or containing Unacceptable Wastes.

"Regular Business Hours" of the Transfer Facility shall mean 4:00 a.m. to 8:00 p.m. on weekdays and 4:00 a.m. to 4:00 p.m. on Saturdays, with no operation on Sundays or the Christmas holiday, provided that on the Saturday following any Federal holiday Regular Business Hours may be extended by the CUSTOMER to 8:00 p.m. The Regular Business Hours for accepting Municipal and Hydro Excavation Waste may be extended but only upon the prior approval of the CITY, such approval being in writing. CUSTOMER agrees to meet with CITY after the FACILITY has been operational for six (6) months to ensure operations from the FACILITY are not negatively impacting neighboring residential properties on Saturday afternoons. If, based on written complaints from residential neighbors specifically relating to noise on Saturday afternoons, the CITY determines that the operations on Saturday should end at 12:00 p.m., the City Council may adopt an ordinance enacting such a limitation which CUSTOMER agrees to follow and make part of this Agreement.

"Solid Waste" whether or not capitalized, means Municipal Waste, Landscape Waste, Food Scrap,, and Construction or Demolition Debris, including those materials in these classifications that have received a Beneficial Use Determination (BUD) designation by the IEPA, as those terms are defined in this Section.

"Subject Property" whether or not capitalized and in any of its grammatical forms, means the 6 lots and Outlot A as shown in the Preliminary Plan attached hereto as Exhibit A and also shown as the Project Location.

"Transfer Facility" or "Facility" whether or not capitalized, means the FACILITY—i.e., a "Transfer Station" as defined by 5/3.500 of the Act (415 ILCS 5/3.83) -- including the lot within the SUBJECT PROPERTY on which the Transfer Station is located, and specifically references the Transfer Facility the CUSTOMER desires to construct and operate located on a Lot 3 as shown on Exhibit B. The parties may agree to a different location of the Facility in writing.

"Unacceptable Waste" whether or not capitalized and used in any of its grammatical forms, means:

(a) "hazardous waste" as defined by Section 5/3.15 of the Act (415 ILCS 5/3.15) or by 35 IAC 721.03;

(b) "industrial process waste" as defined by Section 5/3.235 of the Act (415 ILCS 5/3.235), except allowable special waste and such industrial process waste which poses no present or potential threat to human health or the environment and which

DocuSign Envelope ID: 2719A052-ACCD-41D8-8CAD-58332E23257A

has no inherent properties which makes its disposal in a landfill difficult to manage by normal means, and which has been specifically approved by the IEPA; (c) "pollution control waste" as defined by Section 5/3.335 of the Act (415 ILCS 5/3.335); (d) "sludge" as defined by Section 5/3.465 of the Act (415 ILCS 5/3.465); (e) "potentially infectious medical waste" as defined by Section 5/3.360 of the Act; (f) "special waste" as defined by Section 5/3.475 of the Act; (g) "polychlorinated byphenyls" as defined in the Toxic Substances Control Act, 15 U.S.C. Section 2601-2692, or regulations promulgated thereunder; (h) source, special or byproduct nuclear materials, radioactive waste, high-level or low-level radioactive waste, or transuranic waste as defined in the Atomic Energy Act, 42 U.S.C. Sections 2014, et seq., or regulations promulgated thereunder; or (i) "asbestos" as defined in 40 CFR 763.83, except that Unacceptable Waste does not include Hydro Excavation Waste.

8. Term. This Agreement commences on the date executed and continues in force and effect until the Transfer Facility ceases to operate and is no longer permitted by the IEPA to accept Municipal Waste and/or Hydro Excavation Waste. In addition, the City may terminate this Agreement if the CUSTOMER is in default of any provision of this Agreement The CUSTOMER, in turn, may, at its sole discretion, terminate this Agreement if it determines that it is no longer economically desirable to operate the Transfer Facility and it rescinds its IEPA permit to operate. If terminated, at the sole option of the CITY, the CITY may continue to provide service, at the rates set forth in Section 6, to the other lots that do not contain the FACILITY.

9. Compliance with Laws. The CUSTOMER shall comply at all times, in connection with the development and operation of the Transfer Facility, with: all laws, conditions and requirements of any permit that is issued for development or operation of the Transfer Facility; modified or amended rules and regulations and ordinances of any Federal or State agency or authority relating to the development, operation, monitoring, remediation, or closure of the Transfer Facility. With respect to the closing of the Transfer Facility, the CUSTOMER agrees to comply with any government ordinance, rule, law or directive as to post-closure requirements and pay the entire costs associated therewith.

DocuSign Envelope ID: 2719A052-ACCD-41D8-8CAD-58332E23257A

10. Waste Acceptability. The CUSTOMER shall only allow Solid Waste to be intentionally accepted at, transported to, stored at, or otherwise present at the Transfer Facility. All Municipal Waste, except when being transported to or from the Transfer Facility, must be kept inside (i.e., within a fully enclosed area of) the Transfer Facility. Unacceptable Waste accepted at, transported to, stored at, or otherwise present at, on, or in the Transfer Facility shall be properly removed within 24 hours.

11. Traffic, General Conditions, and Operations.

a. All transfer trailer truck traffic entering and existing this site must utilize the routes approved by the County as a result of the siting process. Moreover, CUSTOMER shall not allow any trucks coming to or exiting from the FACILITY to queue on City streets or right-of-way.

b. The CUSTOMER shall require and take reasonable steps to enforce the requirement that all trucks carrying Solid Waste to or from the FACILITY prevent any waste, litter or debris from being discarded onto public traveled roads and shall abide by a litter control plan as approved by the County as a result of the siting process.

c. All tipping of Municipal Waste at the Transfer Facility shall be on the tipping floor inside the transfer building, and, except as provided below, the CUSTOMER shall have the tipping floor free of waste and cleaned with a mechanical street sweeper by the end of each operating day.

d. The CUSTOMER shall conduct all operations in a manner that is protective of the public health, safety, welfare, groundwater resources and the environment. The CUSTOMER shall comply with all applicable laws, ordinances, rules and regulations, including but not limited to IPCB regulations. In addition, the CUSTOMER shall provide a fifteen (15) foot setback from the SUBJECT PROPERTY. The area within the setback shall be completely screened by an opaque masonry wall (stone, stucco, or brick) or a commercial grade solid wood screen fence at least eight (8) feet in height, not exceeding height limitations unless otherwise permitted, with only such openings as are necessary for ingress and egress. Plant materials shall be installed along that portion of a fence or wall that is highly visible from right-of-way to provide a year-round softening effect. The SUBJECT PROPERTY shall use only outdoor lighting, which shall not exceed one foot-candle at the property line, that is shielded and directed so as to protect adjacent lot or lots across the street from direct or reflected glare.

e. At a minimum, the CUSTOMER shall provide a street sweeper or other means and methods to remove mud, dirt and dust tracked on to hard surfaces inside and

DocuSign Envelope ID: 2719A052-ACCD-41D8-8CAD-58332E23257A

outside the Transfer Facility property, including but not limited to mud, dirt and dust tracked onto any City streets right-of-way for a distance of no less than three-fourths (3/4) mile from the entrance of the Transfer Facility on an as needed basis, but not less frequently than daily, except during severe weather conditions (e.g., heavy rains, winter conditions when salt has been applied to the roadway). All access drives, parking areas, storage areas and vehicle maneuvering areas of the Transfer Facility shall have driveways paved with an approved concrete or asphalt/concrete surface and at least 25 feet wide. All interior roads, driveways, parking lots and loading and unloading areas not required to be paved shall be constructed of an all-weather surface and be kept in as dust-free condition as possible, using application of dust-inhibitors if necessary to limit the nuisance caused by wind-borne dust. The property shall be swept with a street sweeper as needed, but not less frequently than daily.

f. The Transfer Facility and any area used for the outdoor storage of any material or equipment shall be paved, fenced and visually screened from viewing from off of the Transfer Facility property, and also to contain loose debris and any storage items. If storage materials exceed the fence height established in Section d, then a combination of berming, fencing and landscaping shall be used to accomplish appropriate screening.

g. The CUSTOMER agrees to keep the truck doors to the Transfer Facility closed, except for emergencies and to allow trucks to enter and exit the facility, during Regular Business Hours.

12. Host Fees. In consideration of the additional costs and burdens to be borne by the CITY from the FACILITY's proximity to the CITY and from the provision of the sewer services and/or the water services, the CUSTOMER agrees to pay the CITY the following fees should McLean County approve the Transfer Facility site location and should the CUSTOMER build the Transfer Facility and begin accepting Municipal Waste. The CUSTOMER agrees to pay the CITY the following fees:

a. The CUSTOMER shall pay to the CITY a base fee as provided below for each ton of Municipal Waste, except landscape waste and recyclables, received at the Transfer Facility (whether received in the same or separate vehicles) from the first date the FACILITY receives Municipal Waste through the termination of this Agreement. In the event the Transfer Facility accepts Food Scraps either in dedicated truckloads or commingled with Landscape Waste, the CUSTOMER agrees to pay the per ton fee provided for in this section on the Food Scraps accepted at the Transfer Facility. The CUSTOMER shall pay the CITY a base fee equal to $1.00 per ton of Municipal Waste received at the Transfer Facility. Per-ton fees

DocuSign Envelope ID: 2719A052-ACCD-41D8-8CAD-58332E23257A

shall be payable only if, as and when waste is received and accepted at the Transfer Facility.

b. Beginning the 1st day of January after the FACILITY begins accepting waste, and as of each January 1 thereafter, the per-ton fees described in (a) above will be adjusted from the per-ton fees of the previous year by the percentage change during the previous year in the Revised Consumer Price Index for All Urban Consumers (CPI-U) published by the United States Department of Labor — Statistics for the <<<<<Midwest Region>>>>> area, provided, however, that at no time shall the increase be less than 0% or greater than 4%. If the Consumer Price Index for All Urban Consumers shall cease to be published in the time frame described above, the CITY and CUSTOMER shall designate a comparable time frame or index, which shall then be used for determining the annual rate of adjustment.

c. CUSTOMER shall weigh all receipts of Solid Waste on a certified scale, which is inspected at least once each calendar year by the CUSTOMER, and a copy of said inspection shall be provided to the CITY upon request. Further, the CUSTOMER shall keep records of outgoing Solid Waste such that the CITY can determine by its review of these records the number of outbound vehicles, the type of vehicle, the destination of each vehicle, and the type of waste contained on each vehicle leaving the Transfer Facility each calendar day. In addition, should the CITY request records concerning the load weight and total weight of each outbound vehicle, the CUSTOMER agrees to provide that information, from weights measured at the Transfer Facility or at the destination of the vehicles leaving the Transfer Facility, from the time the CUSTOMER receives the CITY's request on moving forward basis for any time period(s) designated by the City.

d. CUSTOMER shall keep complete and accurate books and records relating to the determination of the fees required herein. No more than once per year, the CUSTOMER shall permit the CITY and its designated representatives access to such books and records (paper and electronic version) for inspection and copying. In the event that such inspection reveals any underpayment(s) of the fees, the CUSTOMER shall promptly pay the CITY the amount(s) of such underpayment(s). In the event that such inspection reveals any overpayment(s) of the subject fees, the CUSTOMER may credit the amount of such overpayment(s) against the payments of the subject fees in subsequent quarters.

e. The fees described in this Article shall be paid on a quarterly basis. The quarterly payments shall be calculated on a calendar-year basis; that is, they shall be calculated for the three-month periods ending on the last day of March, June, September and December of each year during the term of this Agreement and any extension thereof. The payment shall be made not later than forty-five (45) days after the last day of the preceding quarter and shall be limited to the Solid Waste transferred during the quarter to which it applies. Past due payments of the fees shall be subject to a late charge of one-and-one-half percent ($1\frac{1}{2}$ %) per month or fraction of a

DocuSign Envelope ID: 2719A052-ACCD-41D8-8CAD-58332E23257A

month for which the payment is late. Payment of such interest shall not otherwise excuse or cure any default by the CUSTOMER under this Agreement.

13. Default. The occurrence of any one or more of the following constitutes a "default" by the CUSTOMER under this Agreement. Should the CUSTOMER be in default of this Agreement, the CITY may, at its sole discretion, terminate this Agreement and cease to provide sewer or water services : (a) The failure by the CUSTOMER to pay any fee due and payable under this Agreement; if the CUSTOMER does not cure such failures within thirty (30) days after notice thereof from the CITY to the CUSTOMER; (b) the CUSTOMER admits in writing its inability to pay its debts as they mature and makes an assignment for the benefit of creditors or applies for or consents to the appointment of a trustee or receiver for the CUSTOMER or a major part of its property; (c) a trustee or receiver is appointed for the CUSTOMER or for a major part of its property, and it is not discharged within ninety (90) days after such appointment; or (d) bankruptcy, reorganization arrangement, insolvency or liquidation proceedings or other proceedings for relief under any bankruptcy law, or similar law, for the relief of debtors are instituted by or against the CUSTOMER and, if instituted against the CUSTOMER, are allowed against it or are not dismissed within 180 days after such institution. In the alternative to cancellation of the Agreement in its entirety, upon one of the defaults listed above, the CITY may elect to continue to provide service to one or more of the lots covered by this Agreement at the rates set forth in Section 6 and cease only the provision of water and sewer service to the lot containing the FACILITY.

14. Notice. Any notice to be given hereunder by either party to the other shall be in writing and be sent by personal delivery, by overnight delivery service or by registered or certified mail, postage prepaid, return receipt requested, and shall be deemed communicated when delivered or three (3) business days from the date of mailing, whichever is earlier. Notices shall be addressed as

DocuSign Envelope ID: 2719A052-ACCD-41D8-8CAD-58332E23257A

set forth below, but each party may change its address by written notice to the other in accordance with this Section:

TO THE CITY:
Attention: City Manager
115 E. Washington Street, Suite 402
Bloomington, IL 61701

TO THE CUSTOMER:
Attention: Tom Kirk
TKnTK, LLC
2148 Tri Lakes Road
Bloomington, IL 61704

15. Defense and Indemnification. CUSTOMER covenants and agrees at CUSTOMER's sole cost and expense to defend, indemnify and hold harmless the CITY, individual members of the CITY COUNCIL, and any and all employees, agents, officers, or representatives of the CITY (collectively "CITY Affiliates"), from and against all claims, suits, actions, administrative enforcement proceedings, losses, damages of all kinds, costs, expenses, fines and penalties, attorneys' fees and expenses of litigation, of any nature whatsoever, relating in any way directly or indirectly to the Transfer Facility where the same are caused by the CUSTOMER's negligence, willful misconduct or breach of this Agreement. This includes, but is not limited to, any condition or occurrence, or any release, discharge or emission at, onto, above, under, through or from the Transfer Facility; or the CUSTOMER's execution, performance, or non-performance of this Agreement or of any conditions placed on siting (should the facility be approved or the operations of the CUSTOMER conducted at the Transfer Facility). This includes, but is not limited to, any claims of injury to any person (including, but not limited to death) or property for violation of or non-compliance with any law, ordinance, rule or regulation (including without limitation any environmental, health, antitrust, civil rights, employment or trade law, or statutory or common law obliga-

DocuSign Envelope ID: 2719A052-ACCD-41D8-8CAD-58332E23257A

tion or liability). The CUSTOMER shall assume the defense of all suits, administrative proceedings and disputes of any description with all persons, entities, political subdivisions or government agencies arising out of the matters to be indemnified under this Agreement. CUSTOMER shall pay, promptly upon entry, any nonappealable order, judgment or other final resolution of any claim or dispute arising out of the matters to be indemnified under this Agreement and shall pay promptly when due any fines, penalties or agreed settlements arising out of the matters to be indemnified under this Agreement. In the event of a claim or suit against CUSTOMER arising out of the sole negligence, willful misconduct or breach of this Agreement by the CITY or any CITY Affiliate, CITY shall be obligated to defend and indemnify CUSTOMER only to the extent permitted by law. In addition, nothing in this Agreement shall be construed as a waiver of any common law or statutory immunity the CITY may have to such liability. This Section survives termination of this Agreement. Nothing in this Section shall be construed as a waiver of any rights either party may have with regard to contesting its alleged obligation for defense and indemnification by way of Declaratory Judgment or otherwise.

16. Transfers. In the event that CUSTOMER leases or transfers any interest in any of the Subject Property to Henson Disposal, LLC, or another individual or entity, or allows Henson Disposal, LLC, or any other entity or individual to operate on the Subject Property, the terms, limitations, and obligations of this Agreement shall apply and shall also be incorporated into such lease, transfer or operation agreement and said individual or entity shall be bound by all said terms. This specifically includes but is not limited the obligation to pay the rates and host fees set forth above, as well as comply with all other conditions and obligations of this Agreement. A default of any such entity or individual to the terms of this Agreement shall be considered a default by CUSTOMER.

DocuSign Envelope ID: 2719A052-ACCD-41D8-8CAD-58332E23257A

17. Miscellaneous. The following miscellaneous terms and conditions shall also apply to

this Agreement:

a. The provisions of this Agreement shall be deemed to be severable, and the invalidity or unenforceability of any provision shall not affect the validity and enforceability of the other provisions hereof.

b. This Agreement shall inure to the benefit of and be binding upon the respective parties hereto, their successors and assigns.

c. Neither party hereto shall be deemed to be in default or to have breached any provision of this Agreement as a result of any delay, failure in performance or interruption of services resulting directly or indirectly from acts of God, acts of civil or military authority, civil disturbance, or war or labor strikes or interruptions, which are beyond the control of such non-performing party.

d. Nothing in this Agreement, whether expressed or implied, is intended to confer any rights or remedies under or by reason of this Agreement on any person other than the parties and their respective successors and assigns, nor shall any provision give any third persons any right or rights of action against any party to this Agreement.

e. The CUSTOMER shall allow any agent duly authorized by the CITY to enter the Transfer Facility at reasonable times.

g. The parties agree that the covenants, agreements and understandings contained in this Agreement, which expressly survive its termination touch and concern the Subject Property, and that such covenants, agreements and understandings shall run with the Subject Property.

h. CUSTOMER covenants and agrees that he/she will not permit or allow any other person, firm or corporation to connect or annex to said mains or use such services or in any other way benefit from the services provided to CUSTOMER under the terms of this AGREEMENT, except where express written permission has been procured therefore from CITY.

i. CUSTOMER and CITY agree that covenants herein contained are the essence of this Agreement.

j. This Agreement and all rights and obligations hereunder may not be assigned without the written consent of the other party, which shall not be unreasonably withheld.

DocuSign Envelope ID: 2719A052-ACCD-41D8-8CAD-58332E23257A

IN WITNESSETH WHEREOF the parties have hereunto set their hands and seals the day and year above written.

TKnTK, LLC

Tom Kirk, Member

STATE OF ILLINOIS)
) ss.
COUNTY OF MCLEAN)

I, the undersigned, a Notary Public in and for said County and State aforesaid, DO HEREBY CERTIFY that TOM KIRK, of TKnTK, LLC, an Illinois limited liability company, personally known to me to be a member of said company, whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that as such a member, signed, sealed and delivered the foregoing instrument at his free and voluntary act, and as the free and voluntary act and deed of said company, for the uses and purpose set forth herein.

Given under my hand and notarial seal this 26th day of January, 2023, A.D.

LYCHAN M SIMS
OFFICIAL SEAL
Notary Public, State of Illinois
My Commission Expires
February 28, 2026

(Notary Public)
My Commission Expires: 2/28/2026

ATTEST:

City Clerk

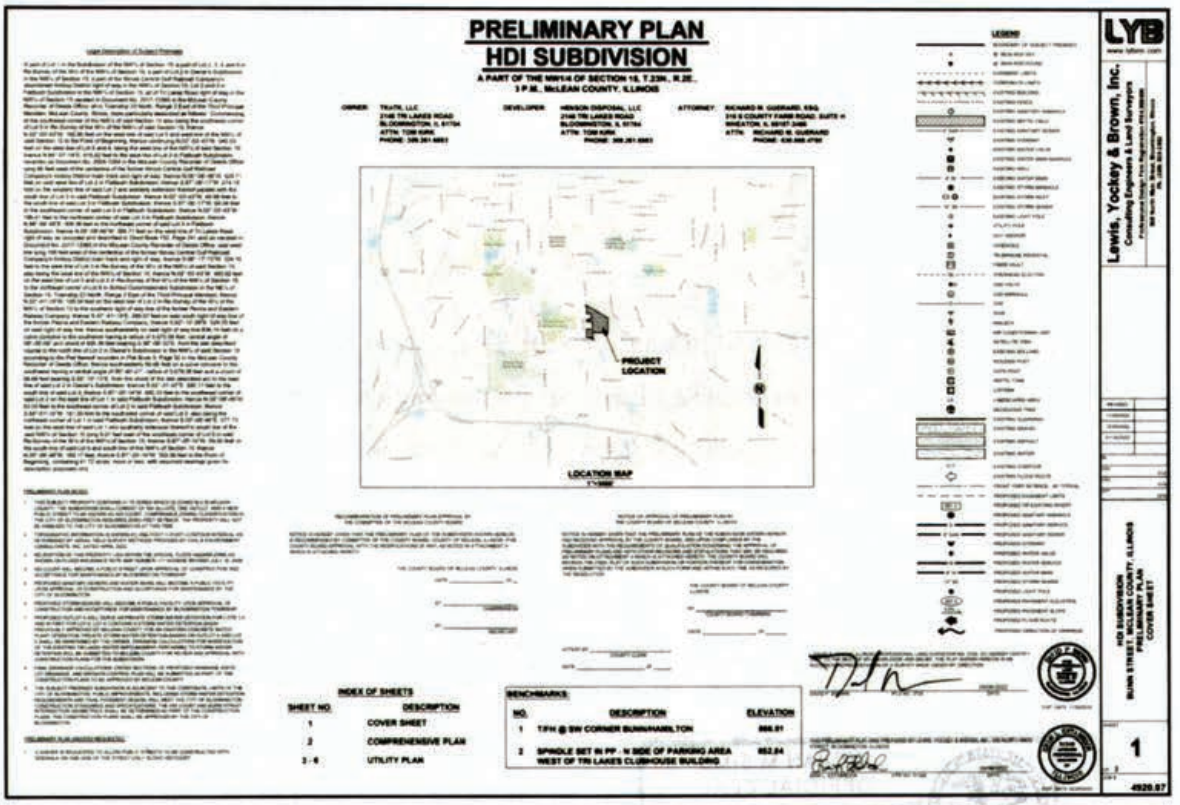
CITY OF BLOOMINGTON

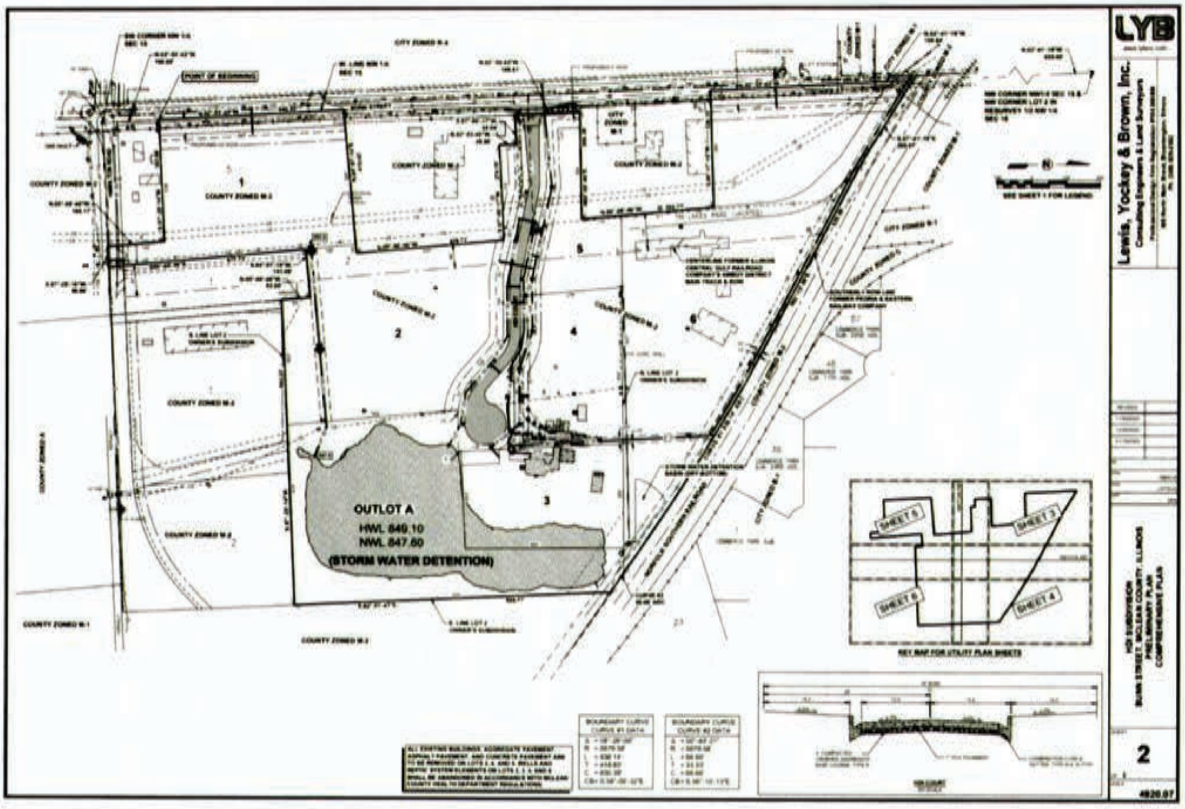
Mayor

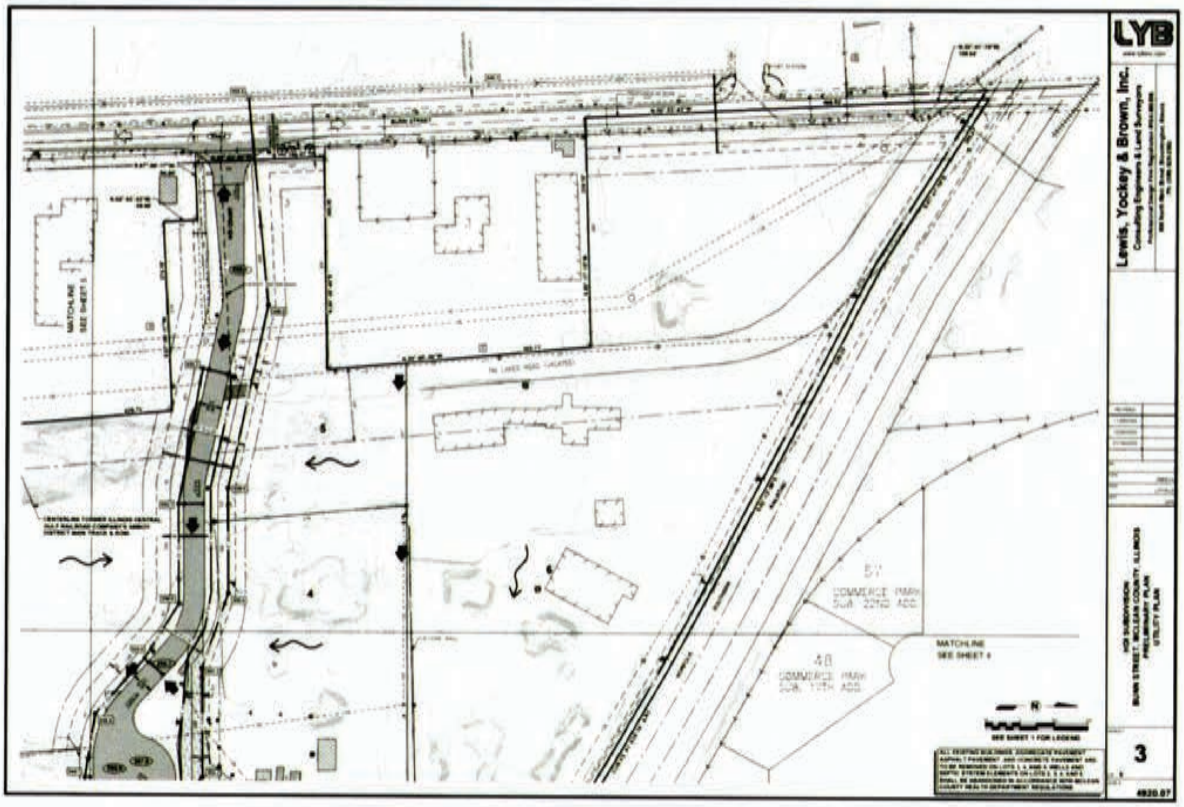
PLEASE RETURN TO:
City Clerk
City of Bloomington
115 E. Washington Street
Bloomington, IL 61701

DocuSign Envelope ID: 2719A052-ACCD-41D8-8CAD-58332E23257A

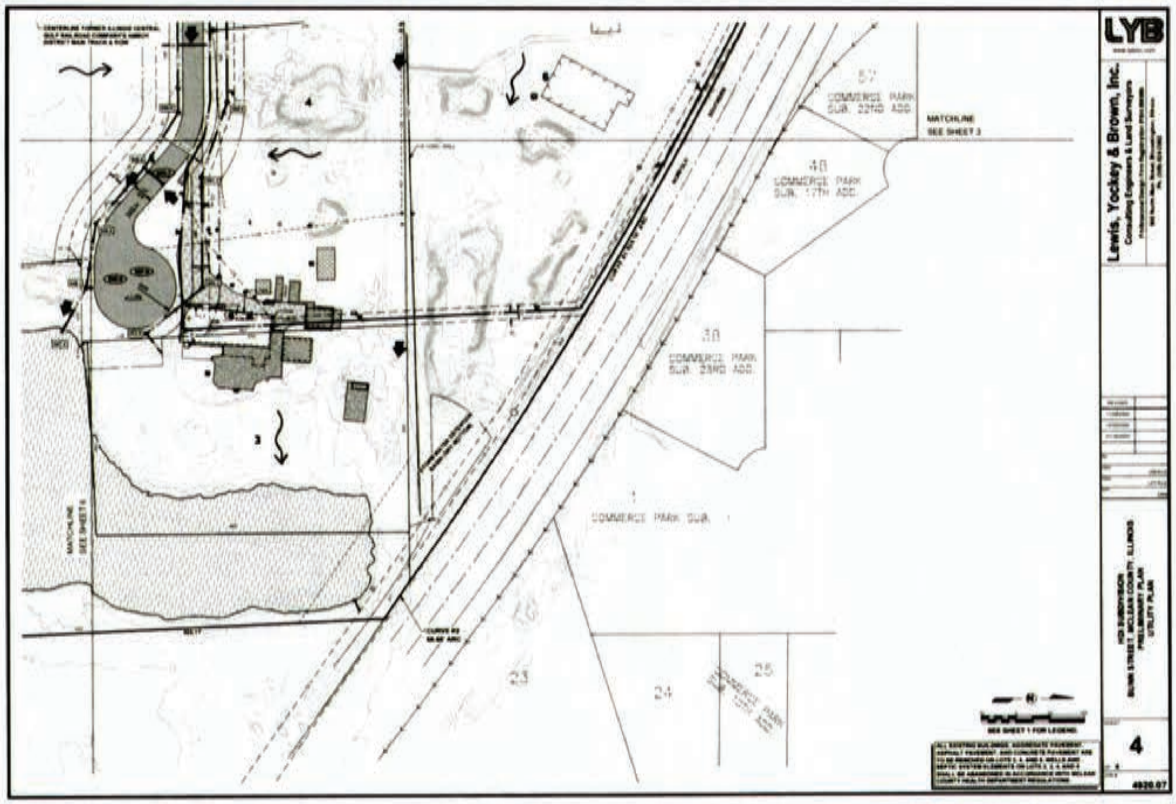
EXHIBIT A
PRELIMINARY PLAN

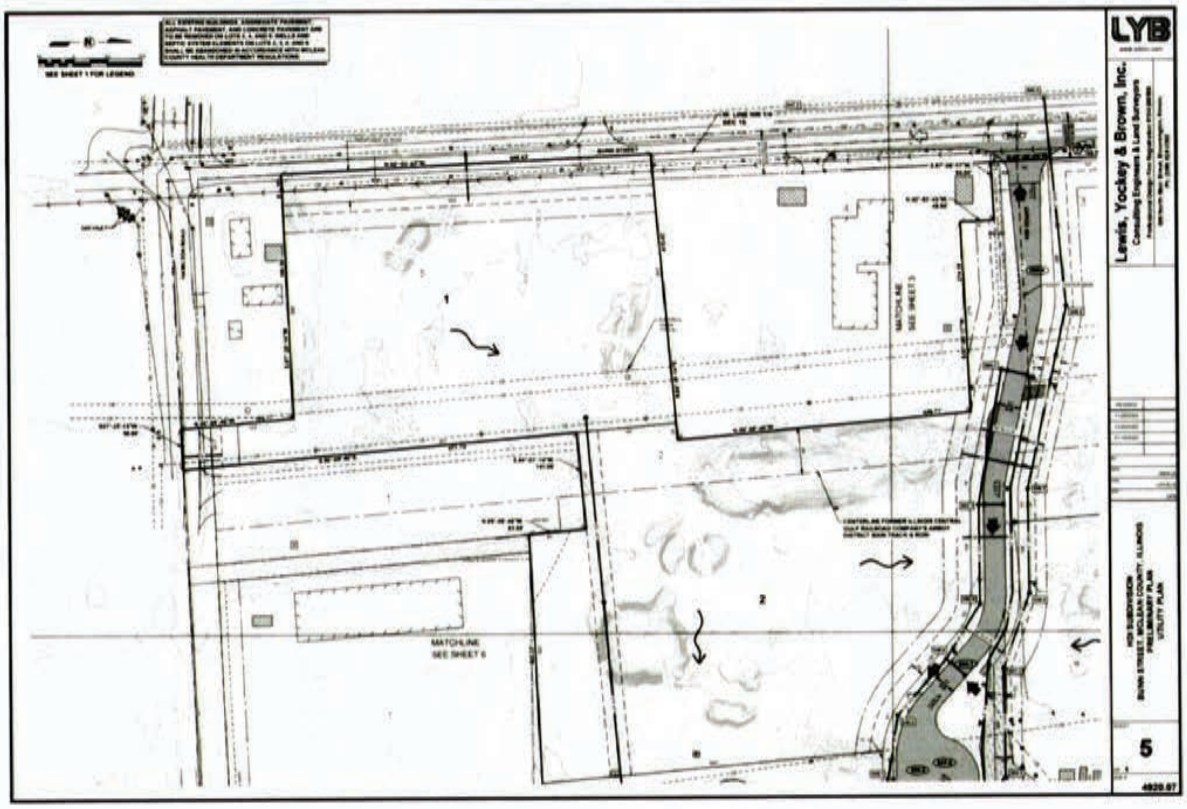




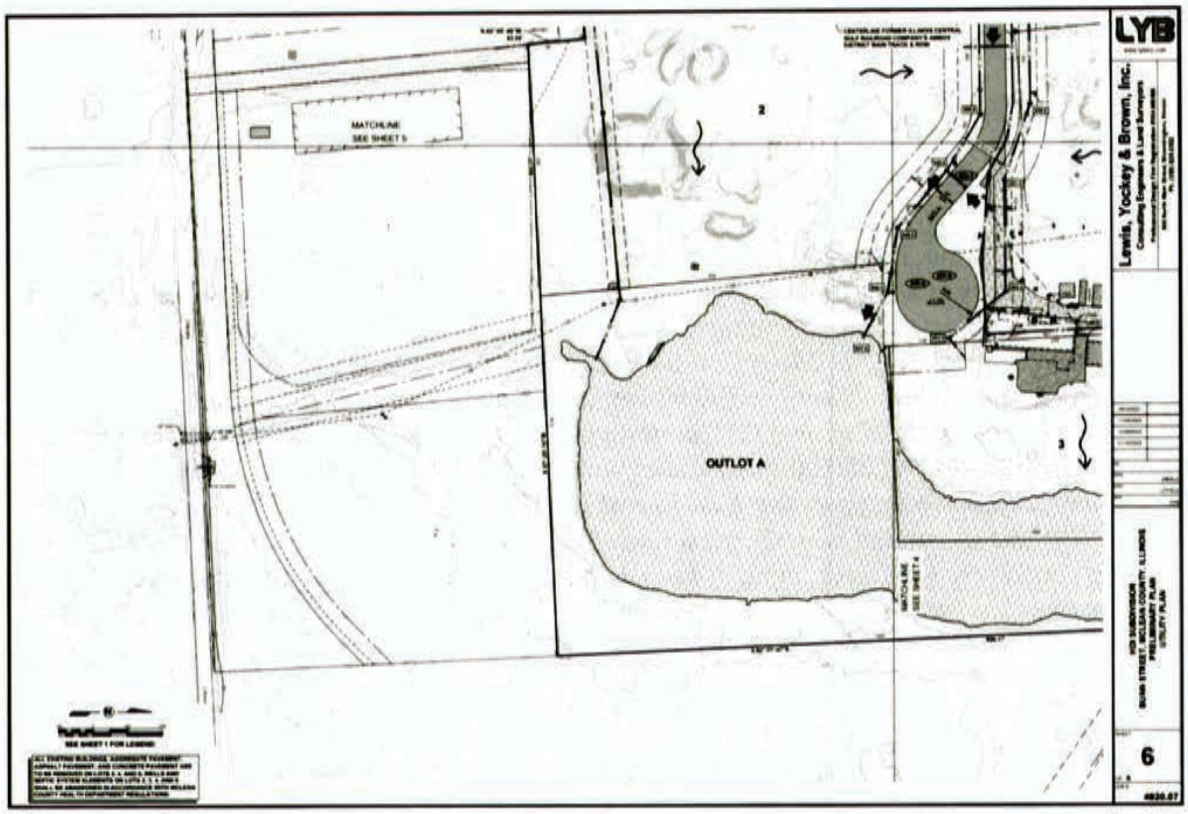


DocuSign Envelope ID: 2719A052-ACCD-41D8-8CAD-58332E23257A





DocuSign Envelope ID: 2719A052-ACCD-41D8-8CAD-58332E23257A



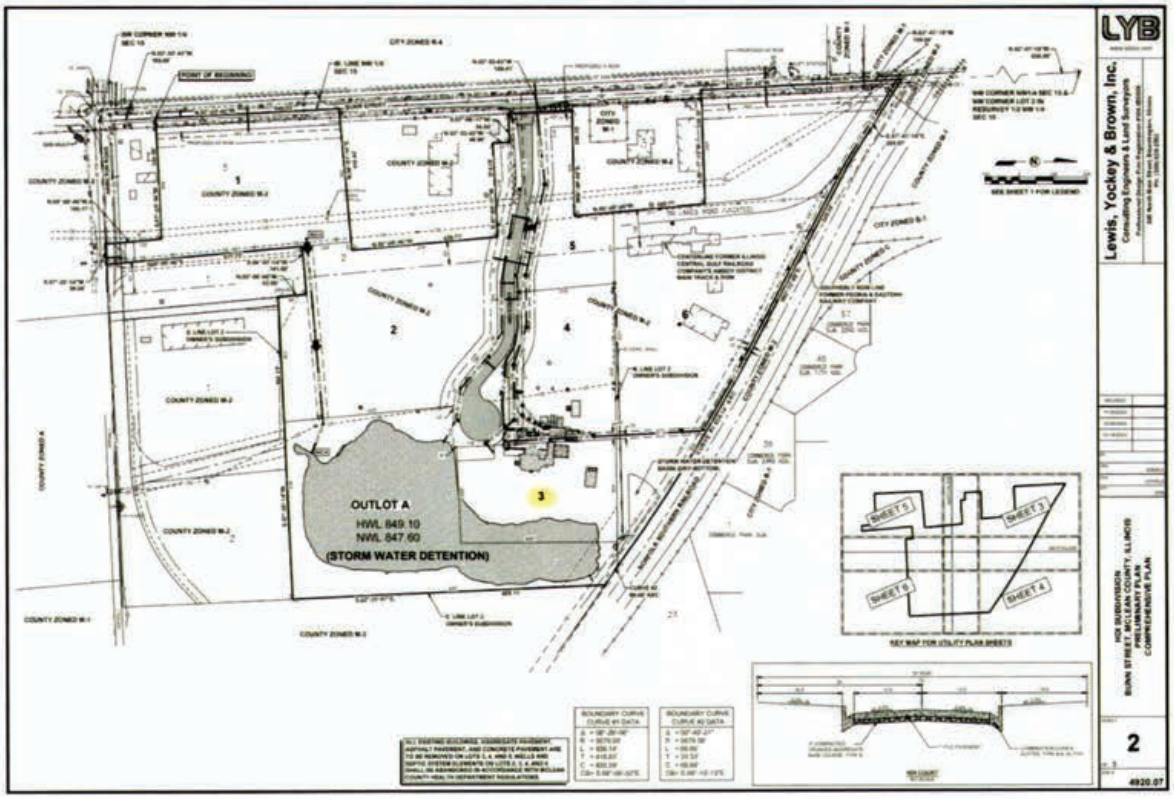
DocuSign Envelope ID: 2719A052-ACCD-41D8-8CAD-58332E23257A

DocuSign Envelope ID: 2719A052-ACCD-41D8-8CAD-58332E23257A

EXHIBIT B
PROPERTY DESCRIPTION: LOT 3

Legal Description Facility Site

A part of Lot 2 in Owner's Subdivision of part of the NW¼ of Section 15, Township 23 North, Range 2 East of the Third Principal Meridian, McLean County, Illinois, more particularly described as follows: Commencing at the northwest corner of Lot 2 in Owner's Subdivision of part of the NW¼ of Section 15 according to the Plat thereof recorded in Plat Book 9 on Page 82; thence N.89°-29'-46"E. 502.39 feet on the north line of said Lot 2 to the Point of Beginning; thence continuing N.89°-29'-46"E. 300.00 feet on the north line of said Lot 2; thence S.00°-25'-59"E. 459.60 feet to a point 1003.00 feet north of the south line of the NW¼ of said Section 15; thence S.87°-25'-14"W. 280.00 feet parallel with the south line of the NW¼ of said Section 15 to a point 1003.00 feet east of the west line of the NW¼ of said Section 15; thence N.02°-53'-43"W. 470.15 feet parallel with the west line of the NW¼ of said Section 15 to the Point of Beginning containing 3.09 acres, more or less, with assumed bearings given for description purposes only.



DocuSign Envelope ID: D35D5B95-32EA-483A-9542-075B8EFE747D

CITY OF BLOOMINGTON

2023 - 002

AN ORDINANCE APPROVING AN AGREEMENT FOR THE EXTENSION OF SEWER AND WATER MAINS AND FOR THE PROVISION OF SEWER AND WATER SERVICES BETWEEN THE CITY AND TKnTK, LLC

Adopted by the City Council
of the City of Bloomington
on January 23, 2023

Published in pamphlet form by authority of the City Council of the City of Bloomington, McLean County, Illinois, on January 24, 2023.

DocuSign Envelope ID: D35D5B95-32EA-483A-9542-075B8EFE747D

STATE OF ILLINOIS)
) ss.
COUNTY OF MCLEAN)

CERTIFICATE

I, Leslie Smith-Yocum, certify that I am the duly appointed and qualified municipal clerk of the City of Bloomington, County of McLean, Illinois.

I further certify that on the Corporate Authorities of the above municipality passed and approved Ordinance No. 2023 - 2, entitled, an Ordinance Approving an Agreement for the Extension of Sewer and Water Mains and for the Provision of Sewer and Water Services Between the City and TKnTK, LLC, which provided by its terms that it should be published in pamphlet form.

The pamphlet form of this Ordinance, including the Ordinance and cover sheet thereof, was prepared, and a copy of the Ordinance was posted in the municipal building, commencing on January 24, 2023, and continuing for at least ten days thereafter. Copies of the Ordinance were also available for public inspection upon request in the office of the municipal clerk.

Dated at Bloomington, Illinois, on 01/24/2023

Leslie Smith-Yocum
City Clerk

DocuSign Envelope ID: D35D5B95-32EA-483A-9542-075B8EFE747D

ORDINANCE NO. 2023 - 002

AN ORDINANCE APPROVING AN AGREEMENT FOR THE EXTENSION OF SEWER AND WATER MAINS AND FOR THE PROVISION OF SEWER AND WATER SERVICES BETWEEN THE CITY AND TKnTK, LLC

WHEREAS, the City of Bloomington ("City") is a home rule unit of local government with authority to legislate in matters concerning its local government and affairs; and

WHEREAS, TKnTK, LLC ("Customer") has requested connection to the City sewers and water mains and for the provision of said services in relation to a new development; and

WHEREAS, the City Council finds it in the best interest of the City to enter into and approve the proposed Utility Agreement with TKnTK, LLC.

NOW THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF BLOOMINGTON, MCLEAN COUNTY, ILLINOIS:

SECTION 1. The above recitals are incorporated herein by this reference as if specifically stated in full.

SECTION 2. The Utility Agreement is approved, and the Mayor is authorized to execute said agreement.

SECTION 3. In the event that any section, clause, provision, or part of this Ordinance shall be found and determined to be invalid by a court of competent jurisdiction, all valid parts that are severable from the invalid parts shall remain in full force and effect.

SECTION 4. The City Clerk is hereby authorized to publish this Ordinance in pamphlet form as provided by law.

SECTION 5. This Ordinance is enacted pursuant to the authority granted to the City as a home rule unit by Article VII, Section 6 of the 1970 Illinois Constitution.

SECTION 6. This Ordinance shall be effective immediately after its approval and publication as required by law.

PASSED this 23rd day of January 2023.

APPROVED this 24th day of January 2023.

CITY OF BLOOMINGTON

Mboka Mwilambwe

Mboka Mwilambwe, Mayor

ATTEST

Leslie Smith-Yocum

Leslie Smith-Yocum, City Clerk

APPENDIX 2-C:

PRELIMINARY PLAN FOR HDI SUBDIVISION APPROVAL AND ASSESSMENT PLAT

PRELIMINARY PLAN
HDI SUBDIVISION

A PART OF THE NW1/4 OF SECTION 15, T.23N., R.2E., 3 P.M., McLEAN COUNTY, ILLINOIS

OWNER: TKnTK, LLC
2148 TRI LAKES ROAD
BLOOMINGTON, IL 61704
ATTN: TOM KIRK
PHONE: 309.261.6893

DEVELOPER: HENSON DISPOSAL, LLC
2148 TRI LAKES ROAD
BLOOMINGTON, IL 61704
ATTN: TOM KIRK
PHONE: 309.261.6893

ATTORNEY: RICHARD M. GUERARD, ESQ.
310 S COUNTY FARM ROAD, SUITE H
WHEATON, IL 60187-2406
ATTN: RICHARD M. GUERARD
PHONE: 630.698.4700

Legal Description of Subject Premises

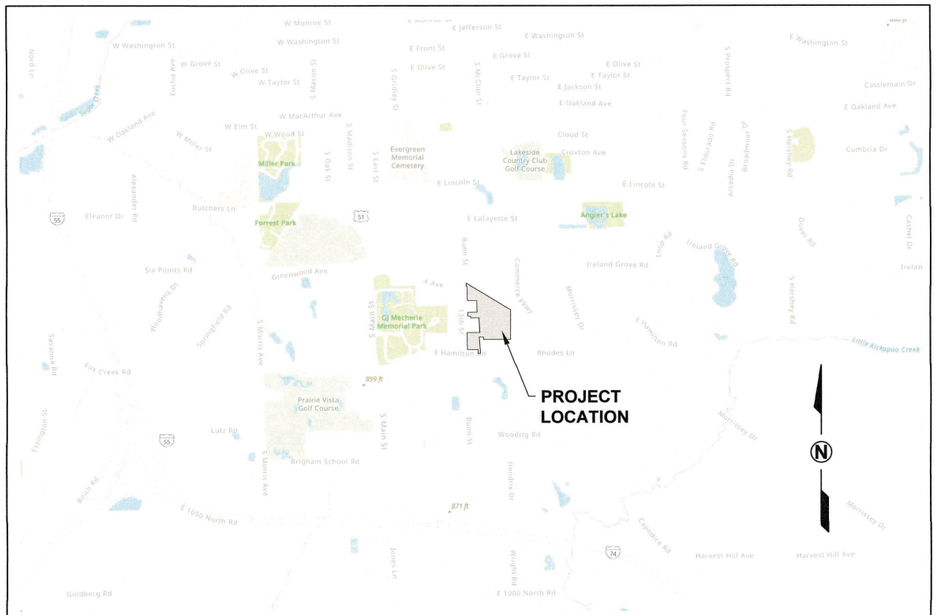
A part of Lot 1 in the Subdivision of the NW¼ of Section 15; a part of Lot 2, 3, 4 and 5 in Re-Survey of the W½ of the NW¼ of Section 15; a part of Lot 2 in Owner's Subdivision in the NW¼ of Section 15; a part of the Illinois Central Gulf Railroad Company's abandoned Amboy District right of way in the NW¼ of Section 15; Lot 2 and 3 in Flatbush Subdivision in the NW¼ of Section 15; all of Tri Lakes Road right of way in the NW¼ of Section 15 vacated in Document No. 2017-13365 in the McLean County Recorder of Deeds Office; all in Township 23 North, Range 2 East of the Third Principal Meridian, McLean County, Illinois, more particularly described as follows: Commencing at the southwest corner of the NW¼ of said Section 15 also being the southwest corner of Lot 5 in Re-Survey of the W½ of the NW¼ of said Section 15; thence N.02°-53'-43"W. 165.00 feet on the west line of said Lot 5 and west line of the NW¼ of said Section 15 to the Point of Beginning; thence continuing N.02°-53'-43"W. 540.53 feet on the west line of Lot 5 and 4, being the west line of the NW¼ of said Section 15; thence N.84°-51'-14"E. 415.42 feet to the west line of Lot 2 in Flatbush Subdivision, recorded as Document No. 2004-1254 in the McLean County Recorder of Deeds Office, lying 66 feet west of the centerline of the former Illinois Central Gulf Railroad Company's Amboy District main track and right of way; thence N.05°-08'-46"W. 429.71 feet on said west line of Lot 2 in Flatbush Subdivision; thence S.87°-06'-17"W. 274.18 feet on the westerly line of said Lot 2 and westerly extension thereof parallel with the south line of Lot 3 in said Flatbush Subdivision; thence N.02°-53'-43"W. 49.98 feet to the south line of said Lot 3 in Flatbush Subdivision; thence S.87°-06'-17"W. 84.04 feet to the southwest corner of said Lot 3 in Flatbush Subdivision; thence N.02°-53'-43"W. 189.41 feet to the northwest corner of said Lot 3 in Flatbush Subdivision; thence N.88°-59'-48"E. 309.36 feet to the northeast corner of said Lot 3 in Flatbush Subdivision; thence N.05°-08'-46"W. 385.71 feet on the west line of Tri Lakes Road right of way as occupied and described in Deed Book 732, Page 241 and as vacated in Document No. 2017-13365 in the McLean County Recorder of Deeds Office, said west line lying 106 feet west of the centerline of the former Illinois Central Gulf Railroad Company's Amboy District main track and right of way; thence S.88°-17'-15"W. 334.10 feet to the west line of Lot 3 in Re-Survey of the W½ of the NW¼ of said Section 15, also being the west line of the NW¼ of Section 15; thence N.02°-53'-43"W. 480.92 feet on the west line of Lot 3 and Lot 2 in Re-Survey of the W½ of the NW¼ of Section 15, to the northeast corner of Lot 8 in School Commissioners Subdivision in the NE¼ of Section 16, Township 23 North, Range 2 East of the Third Principal Meridian; thence N.02°-41'-19"W. 109.54 feet on the west line of Lot 2 in Re-Survey of the W½ of the NW¼ of Section 15 to the southerly right of way line of the former Peoria and Eastern Railway Company; thence S.57°-41'-19"E. 285.07 feet on said south right of way line of the former Peoria and Eastern Railway Company; thence S.62°-12'-59"E. 529.35 feet on said right of way line; thence southeasterly on said right of way line 836.14 feet on a curve concave to the southwest having a radius of 5,679.58 feet, central angle of 08°-26'-06" and chord of 835.39 feet bearing S.58°-06'-32"E. from the last described course to the north line of Lot 2 in Owner's Subdivision in the NW¼ of said Section 15 according to the Plat thereof recorded in Plat Book 9, Page 82 in the McLean County Recorder of Deeds Office; thence southeasterly 66.66 feet on a curve concave to the southwest having a central angle of 00°-40'-21", radius of 5,679.58 feet and a chord of 66.66 feet bearing S.56°-10'-13"E. from the chord of the last described arc to the east line of said Lot 2 in Owner's Subdivision; thence S.02°-31'-47"E. 920.11 feet to the south line of said Lot 2; thence S.87°-25'-14"W. 882.23 feet to the southwest corner of said Lot 2 on the east line of Lot 1 in said Flatbush Subdivision; thence N.05°-08'-46"W. 83.55 feet to the southeast corner of Lot 2 in said Flatbush Subdivision; thence S.84°-51'-14"W. 141.00 feet to the southwest corner of said Lot 2, also being the northeast corner of Lot 1 in said Flatbush Subdivision; thence S.05°-08'-46"E. 577.73 feet on the west line of said Lot 1 and southerly extension thereof to south line of the said NW¼ of Section 15 lying 9.01 feet east of the southeast corner of Lot 5 in said Re-Survey of the W½ of the NW¼ of Section 15; thence S.87°-25'-14"W. 59.00 feet on the south line of said Lot 5 and south line of the NW¼ of Section 15; thence N.05°-08'-46"W. 165.17 feet; thence S.87°-25'-14"W. 353.06 feet to the Point of Beginning, containing 41.72 acres, more or less, with assumed bearings given for description purposes only.

PRELIMINARY PLAN NOTES:

1. THIS SUBJECT PROPERTY CONTAINS 41.72 ACRES WHICH IS ZONED M-2 IN MCLEAN COUNTY. THE SUBDIVISION SHALL CONSIST OF SIX (6) LOTS, ONE OUTLOT, AND A NEW PUBLIC STREET TO BE KNOWN AS HDI COURT. COMPARABLE ZONING CLASSIFICATION IN THE CITY OF BLOOMINGTON REQUIRES ZERO-FEET SETBACK. THE PROPERTY WILL NOT BE ANNEXED TO THE CITY OF BLOOMINGTON AT THIS TIME.
2. TOPOGRAPHIC INFORMATION IS SHOWN AT ONE-FOOT (1-FOOT) CONTOUR INTERVAL AS DETERMINED BY AERIAL FIELD SURVEY METHODS PROVIDED BY CIVIL & ENVIRONMENT CONSULTANTS, INC. DATED APRIL 2022.
3. NO PORTION OF THIS PROPERTY LIES WITHIN THE SPECIAL FLOOD HAZARD ZONE AS SHOWN ON FLOOD INSURANCE RATE MAP NUMBER 17113C0503E REVISED JULY 16, 2008.
4. HDI COURT WILL BECOME A PUBLIC STREET UPON APPROVAL OF CONSTRUCTION AND ACCEPTANCE FOR MAINTENANCE BY BLOOMINGTON TOWNSHIP AND THE MCLEAN COUNTY ENGINEER.
5. PROPOSED SANITARY SEWERS AND WATER MAINS WILL BECOME A PUBLIC FACILITY UPON APPROVAL OF CONSTRUCTION AND ACCEPTANCE FOR MAINTENANCE BY THE CITY OF BLOOMINGTON.
6. PROPOSED STORM SEWERS WILL BECOME A PUBLIC FACILITY UPON APPROVAL OF CONSTRUCTION AND ACCEPTANCE FOR MAINTENANCE BY BLOOMINGTON TOWNSHIP AND THE MCLEAN COUNTY ENGINEER. THE PROPOSED STORM SEWER THAT RUNS FROM LOT 1 EAST ACROSS LOT 2 SHALL BE MAINTAINED BY THE OWNER.
7. PROPOSED OUTLOT A WILL SERVE AS PRIVATE STORM WATER DETENTION FOR LOTS 1-5 AND IN PART FOR LOT 6. LOT 6 CONTAINS A STORM WATER DETENTION BASIN PREVIOUSLY APPROVED BY MCLEAN COUNTY FOR AN ONGOING CONCRETE BATCH PLANT OPERATION. PRIVATE STORM WATER DETENTION BASINS ON OUTLOT A AND LOT 6 SHALL BE MAINTAINED BY THE OWNER. DRAINAGE CALCULATIONS FOR MODIFICATION OF THE EXISTING TRI LAKES WATER IMPOUNDMENT PERTAINING TO STORM WATER DETENTION WILL BE SUBMITTED TO MCLEAN COUNTY FOR REVIEW AND APPROVAL WITH CONSTRUCTION PLANS FOR THE SUBDIVISION.
8. FINAL DRAINAGE CALCULATIONS, CROSS SECTIONS OF PROPOSED DRAINAGE WAYS, LOT DRAINAGE, AND EROSION CONTROL PLAN WILL BE SUBMITTED AS PART OF THE CONSTRUCTION PLANS TO BE APPROVED BY MCLEAN COUNTY.
9. THE SUBJECT PREMISES SUBDIVISION IS ADJACENT TO THE CORPORATE LIMITS OF THE CITY OF BLOOMINGTON. PUBLIC IMPROVEMENTS, INCLUDING STORM WATER DETENTION REQUIREMENTS AND FINAL PAVEMENT DESIGN, WILL MEET THE CITY OF BLOOMINGTON CONSTRUCTION STANDARDS AND SPECIFICATIONS. THE HDI COURT AND BUNN STREET INTERSECTION GEOMETRICS SHALL BE DETERMINED AS PART OF THE CONSTRUCTION PLANS. THE CONSTRUCTION PLANS SHALL BE APPROVED BY THE CITY OF BLOOMINGTON.

PRELIMINARY PLAN WAIVERS REQUESTED:

1. A WAIVER IS REQUESTED TO ALLOW PUBLIC STREETS TO BE CONSTRUCTED WITH SIDEWALK ON ONE SIDE OF THE STREET ONLY ALONG HDI COURT. THE SIDEWALK WILL BE CONSTRUCTED ON THE NORTH SIDE OF HDI COURT.



LOCATION MAP
1"=3000'

RECOMMENDATION OF PRELIMINARY PLAN APPROVAL BY THE COMMITTEE OF THE MCLEAN COUNTY BOARD

NOTICE IS HEREBY GIVEN THAT THE PRELIMINARY PLAN OF THE SUBDIVISION SHOWN HEREON IS RECOMMENDED BY COMMITTEE OF THE COUNTY BOARD, COUNTY OF MCLEAN, ILLINOIS, FOR COUNTY BOARD APPROVAL WITH THE MODIFICATIONS (IF ANY) AS NOTED IN ATTACHMENT A WHICH IS ATTACHED HERETO.

THE COUNTY BOARD OF MCLEAN COUNTY, ILLINOIS

DATE February 7th, 20 23

BY _____ CHAIRPERSON

BY _____ SECRETARY

RECEIVED
FEB 01 2023
ZONING

NOTICE OF APPROVAL OF PRELIMINARY PLAN BY THE COUNTY BOARD OF MCLEAN COUNTY, ILLINOIS

NOTICE IS HEREBY GIVEN THAT THE PRELIMINARY PLAN OF THE SUBDIVISION SHOWN HEREON HAS RECEIVED APPROVAL BY THE COUNTY BOARD, AND UPON COMPLIANCE BY THE SUBDIVIDER WITH THE REQUIREMENTS OF QUALIFICATION GOVERNING THE APPROVAL OF PRELIMINARY PLANS AND WITH OTHER REVISIONS AND STIPULATIONS THAT MAY BE REQUIRED, AS NOTED ON ATTACHMENT A WHICH IS ATTACHED HERETO, THE COUNTY BOARD WILL RECEIVE THE FINAL PLAT OF SUCH SUBDIVISION OR PORTION THEREOF FOR CONSIDERATION WHEN SUBMITTED BY THE SUBDIVIDER IN SUCH FORM AND WITHIN SUCH TIME AS REQUIRED BY THE RESOLUTION.

THE COUNTY BOARD OF MCLEAN COUNTY, ILLINOIS

BY _____ COUNTY BOARD CHAIRMAN

DATE February 16, 20 23

ATTEST BY Kathy Michael COUNTY CLERK

DATE Feb 16, 20 23

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	COMPREHENSIVE PLAN
3 - 6	UTILITY PLAN

BENCHMARKS:

NO.	DESCRIPTION	ELEVATION
1	T/FH @ SW CORNER BUNN/HAMILTON	866.01
2	SPINDLE SET IN PP - N SIDE OF PARKING AREA WEST OF TRI LAKES CLUBHOUSE BUILDING	852.84

LEGEND

	BOUNDARY OF SUBJECT PREMISES
○	⅝" IRON ROD SET
●	⅝" IRON ROD FOUND
	EASEMENT LIMITS
	CORPORATE LIMITS
	EXISTING BUILDING
x x x	EXISTING FENCE
○	EXISTING SANITARY MANHOLE
	EXISTING SEPTIC FIELD
8" SAN	EXISTING SANITARY SEWER
	EXISTING HYDRANT
⊗	EXISTING WATER VALVE
W	EXISTING WATER MAIN MANHOLE
W	EXISTING WELL
8" W	EXISTING WATER MAIN
◎	EXISTING STORM MANHOLE
	EXISTING STORM INLET
18" SS	EXISTING STORM SEWER
	EXISTING LIGHT POLE
	UTILITY POLE
	GUY ANCHOR
H	HANDHOLE
T	TELEPHONE PEDESTAL
FO	FIBER VAULT
OE	OVERHEAD ELECTRIC
⊗G	GAS VALVE
G	GAS MANHOLE
G	GAS
	SIGN
	MAILBOX
AC	AIR CONDITIONING UNIT
	SATELLITE DISH
B	EXISTING BOLLARD
W	WOODEN POST
P	GATE POST
S	SEPTIC TANK
C	CISTERN
LA	LANDSCAPED AREA
	DECIDUOUS TREE
	EXISTING GUARDRAIL
	EXISTING GRAVEL
	EXISTING ASPHALT
	EXISTING WATER
858	EXISTING CONTOUR
	EXISTING FLOOD ROUTE
	FRONT YARD SETBACK - 40' TYPICAL
	PROPOSED EASEMENT LIMITS
851.2	PROPOSED OR EXISTING INVERT
●	PROPOSED SANITARY MANHOLE
S	PROPOSED SANITARY SERVICE
8" SAN	PROPOSED SANITARY SEWER
	PROPOSED HYDRANT
	PROPOSED WATER VALVE
W	PROPOSED WATER SERVICE
8" W	PROPOSED WATER MAIN
15" SS	PROPOSED STORM SEWER
	PROPOSED LIGHT POLE
857.0	PROPOSED PAVEMENT ELEVATION
0.5%	PROPOSED PAVEMENT SLOPE
	PROPOSED FLOOD ROUTE
	PROPOSED DIRECTION OF DRAINAGE

I, DAVID P. BROWN, ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 2725, DO HEREBY CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE PLAT SHOWN HEREON IS AN ACCURATE REPRESENTATION OF A SURVEY MADE UNDER MY DIRECTION.

DAVID P. BROWN IPLS NO. 2725 09/06/2022 DATE

DAVID P. BROWN 2725 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS BLOOMINGTON, ILLINOIS

EXP. DATE 11/30/2022

THIS PRELIMINARY PLAT WAS PREPARED BY LEWIS, YOCKEY & BROWN, INC., 505 NORTH MAIN STREET, BLOOMINGTON, ILLINOIS.

ERIN L. ESTABROOK ILPE NO. 51348 09/06/2022 DATE

ERIN L. ESTABROOK 51348 LICENSED PROFESSIONAL ENGINEER OF ILLINOIS

EXP. DATE 02/28/2023

LYB
www.lybinc.com

Lewis, Yockey & Brown, Inc.
Consulting Engineers & Land Surveyors
Professional Design Firm Registration #184.000806
505 North Main Street, Bloomington, Illinois
Ph. (309) 829-2552

REVISED	-
11/29/2022	-
12/20/2022	-
01/16/2023	-
01/26/2023	-
BK.	-
DRN.	ELE
DSN.	ELE
APP.	DPB

HDI SUBDIVISION
BUNN STREET, MCLEAN COUNTY, ILLINOIS
PRELIMINARY PLAN
COVER SHEET

SHEET 1 OF: 3

JOB #: 4920.07

SW CORNER NW 1/4
SEC 15

N.02°-53'-43"W.
165.00'

POINT OF BEGINNING

W. LINE NW 1/4
SEC 15

CITY ZONED R-4

N.02°-53-43"W.
189.41'

PROPOSED 5' ROW

PROPOSED 45' ROW

LIFT STATION

COUNTY ZONED M-1

CITY ZONED M-1

N.02°-41'-19"W.
109.54'

N.02°-41'-19"W.
620.00'

NW CORNER NW1/4 SEC 15 &
NW CORNER LOT 2 IN
RESURVEY 1/2 NW 1/4
SEC 15

N.02°-53'-43"W.
480.92'

S.57°-41'-19"E.
285.07'

COUNTY ZONED M-1

CITY ZONED M-2

COUNTY ZONED M-2

BUNN STREET

N.02°-53'-43"W.
540.53'

S.87°-06'-17"W.
84.04'

N.02°-53-43"W.
49.98'

CITY ZONED M-1

COUNTY ZONED M-2

COUNTY ZONED M-2

GAS VAULT

HAMILTON ROAD

COUNTY ZONED M-2

1

COUNTY ZONED M-2

N.84°-51'-14"E.
415.42'

S.87°-25'-14"W.
353.06'

ELECTRICAL
TOWER
(TYPICAL)

N.05°-08'-46"W.
165.17'

S.87°-25'-14"W.
59.00'

S05°-08'-46"E.
577.73'

S.84°-51'-14"W.
141.00'

N.05°-08'-46"W.
83.55'

GRAVEL

853.0

N.05°-08'-46"W.
429.71'

S.87°-06'-17"W.
274.18'

N88°-59'-48"E.
309.36'

S.88°-17'-15"W.
334.10'

N.05°-08'-46"W.
385.71'

TRI LAKES ROAD (VACATED)

CENTERLINE FORMER ILLINOIS
CENTRAL GULF RAILROAD
COMPANY'S AMBOY DISTRICT
MAIN TRACK & ROW

CITY ZONED B-1

COUNTY ZONED C

SOUTHERLY ROW LINE
FORMER PEORIA & EASTERN
RAILWAY COMPANY

S62°-12'-59"E.
529.35'

S. LINE LOT 2
OWNER'S SUBDIVISION

COUNTY ZONED M-2

2

COUNTY ZONED M-2

HDI COURT

5

4

6

COUNTY ZONED M-2

8" CONC. WALL

N. LINE LOT 2
OWNER'S SUBDIVISION

57
COMMERCE PARK
SUB. 22ND ADD.

48
COMMERCE PARK
SUB. 17TH ADD.

882.23'

S.87°-25'-14"W.
519'

COUNTY ZONED M-1

COUNTY ZONED M-2

COUNTY ZONED A

1

COUNTY ZONED M-2

42" CMP

GRAVEL

15" PLASTIC

OUTLOT A
HWL 849.10
NWL 847.60
(STORM WATER DETENTION)

3

847.6

S.02°-31'-47"E.
920.11'

E. LINE LOT 2
OWNER'S SUBDIVISION

CURVE #2
66.66' ARC

CURVE #1 836.14' ARC

STORM WATER DETENTION
BASIN (DRY-BOTTOM)

NORFOLK SOUTHERN RAILROAD

CITY ZONED B-1

38
COMMERCE PARK
SUB. 23RD ADD.

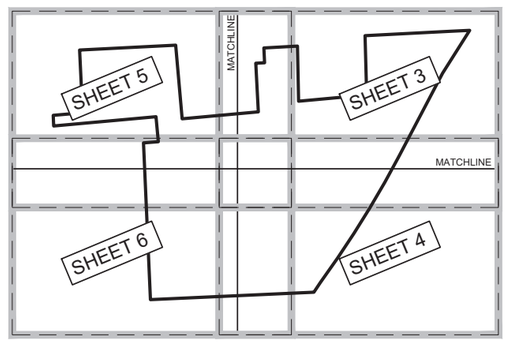
1
COMMERCE PARK SUB.

23

COUNTY ZONED M-2

COUNTY ZONED M-1

SEE SHEET 1 FOR LEGEND.

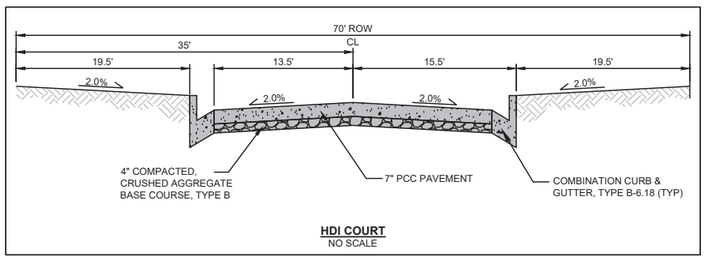


KEY MAP FOR UTILITY PLAN SHEETS

ALL EXISTING BUILDINGS, AGGREGATE PAVEMENT, ASPHALT PAVEMENT, AND CONCRETE PAVEMENT ARE TO BE REMOVED ON LOTS 3, 4, AND 5. WELLS AND SEPTIC SYSTEM ELEMENTS ON LOTS 2, 3, 4, AND 6 SHALL BE ABANDONED IN ACCORDANCE WITH MCLEAN COUNTY HEALTH DEPARTMENT REGULATIONS.

BOUNDARY CURVE CURVE #1 DATA	
Δ	= 08°-26'-06"
R	= 5679.58'
L	= 836.14'
T	= 418.83'
C	= 835.39'
CB	= S.58°-06'-32"E.

BOUNDARY CURVE CURVE #2 DATA	
Δ	= 00°-40'-21"
R	= 5679.58'
L	= 66.66'
T	= 33.33'
C	= 66.66'
CB	= S.56°-10'-13"E.



HDI COURT
NO SCALE

LYB
www.lybinc.com

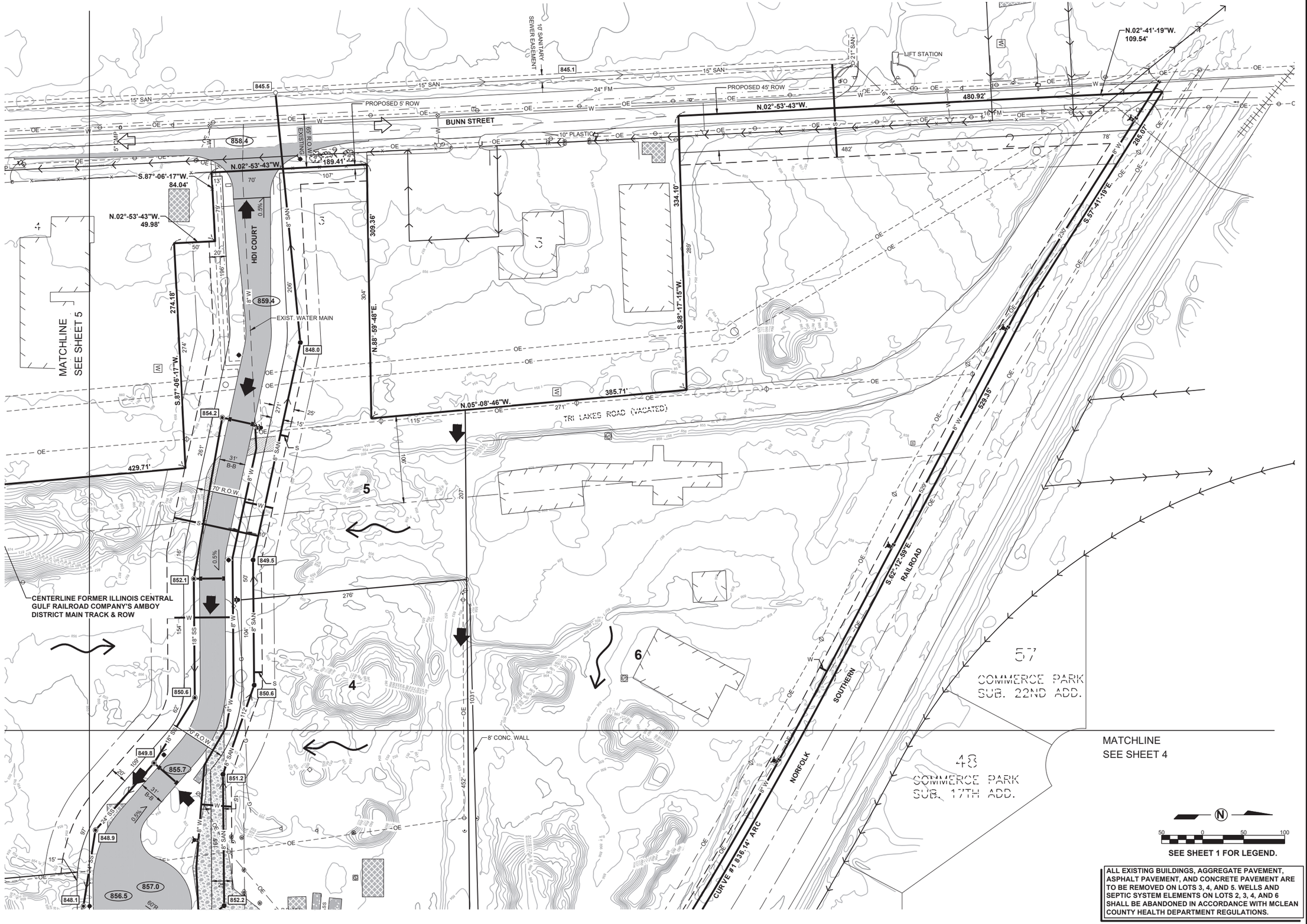
Lewis, Yockey & Brown, Inc.
Consulting Engineers & Land Surveyors
Professional Design Firm Registration #184.000806
505 North Main Street, Bloomington, Illinois
Ph. (309) 829-2552

REVISED	-
11/29/2022	-
12/20/2022	-
01/16/2023	-
-	-

BK. -
DRN. JSB/ELE
DSN. LDY/ELE
APP. DPB

HDI SUBDIVISION
BUNN STREET, MCLEAN COUNTY, ILLINOIS
PRELIMINARY PLAN
COMPREHENSIVE PLAN

SHEET 2
OF: 3
JOB #: 4920.07



ALL EXISTING BUILDINGS, AGGREGATE PAVEMENT, ASPHALT PAVEMENT, AND CONCRETE PAVEMENT ARE TO BE REMOVED ON LOTS 3, 4, AND 5. WELLS AND SEPTIC SYSTEM ELEMENTS ON LOTS 2, 3, 4, AND 6 SHALL BE ABANDONED IN ACCORDANCE WITH MCLEAN COUNTY HEALTH DEPARTMENT REGULATIONS.

LYB
www.lybinc.com

Lewis, Yockey & Brown, Inc.
Consulting Engineers & Land Surveyors
Professional Design Firm Registration #184.000806
505 North Main Street, Bloomington, Illinois
Ph. (309) 829-2552

REVISED	-
11/29/2022	-
12/20/2022	-
01/16/2023	-
-	-

BK. -
DRN. JSB/ELE
DSN. LDY/ELE
APP. DPB

HDI SUBDIVISION
BUNN STREET, MCLEAN COUNTY, ILLINOIS
PRELIMINARY PLAN
UTILITY PLAN

SHEET **3**
OF: 6
JOB #: **4920.07**

CENTERLINE FORMER ILLINOIS CENTRAL GULF RAILROAD COMPANY'S AMBOY DISTRICT MAIN TRACK & ROW

MATCHLINE SEE SHEET 3

MATCHLINE SEE SHEET 6

8' CONC. WALL

CURVE #1 836.14' ARC

CURVE #2 66.66' ARC

STORM WATER DETENTION BASIN (DRY-BOTTOM)

SOUTHERN

NORFOLK

57 COMMERCE PARK SUB. 22ND ADD.

43 COMMERCE PARK SUB. 17TH ADD.

38 COMMERCE PARK SUB. 23RD ADD.

1 COMMERCE PARK SUB.

24

25 COMMERCE PARK SUB. 10TH ADD.

SEE SHEET 1 FOR LEGEND.

ALL EXISTING BUILDINGS, AGGREGATE PAVEMENT, ASPHALT PAVEMENT, AND CONCRETE PAVEMENT ARE TO BE REMOVED ON LOTS 3, 4, AND 5. WELLS AND SEPTIC SYSTEM ELEMENTS ON LOTS 2, 3, 4, AND 6 SHALL BE ABANDONED IN ACCORDANCE WITH MCLEAN COUNTY HEALTH DEPARTMENT REGULATIONS.

LYB
www.lybinc.com

Lewis, Yockey & Brown, Inc.
Consulting Engineers & Land Surveyors
Professional Design Firm Registration #184.000806
505 North Main Street, Bloomington, Illinois
Ph. (309) 829-2552

REVISED	
11/29/2022	-
12/20/2022	-
01/16/2023	-
-	-

BK. -
DRN. JSB/ELE
DSN. LDY/ELE
APP. DPB

HDI SUBDIVISION
BUNN STREET, MCLEAN COUNTY, ILLINOIS
PRELIMINARY PLAN
UTILITY PLAN

SHEET 4
OF: 6
JOB #: 4920.07

ALL EXISTING BUILDINGS, AGGREGATE PAVEMENT, ASPHALT PAVEMENT, AND CONCRETE PAVEMENT ARE TO BE REMOVED ON LOTS 3, 4, AND 5. WELLS AND SEPTIC SYSTEM ELEMENTS ON LOTS 2, 3, 4, AND 6 SHALL BE ABANDONED IN ACCORDANCE WITH MCLEAN COUNTY HEALTH DEPARTMENT REGULATIONS.

N

50 0 50 100

SEE SHEET 1 FOR LEGEND.

PROPOSED 45' ROW

BUNN STREET

W. LINE NW 1/4 SEC 15

N.02°-53'-43"W. 540.53'

542'

165' R.O.W. EXISTING

5' CMP

65' R.O.W. EXISTING

S.87°-06'-17"W. 84.04'

N.02°-53'-43"W. 49.98'

HDI COURT

0.5%

70' R.O.W.

EXIST. WATER MAIN

MATCHLINE SEE SHEET 3

274.18'

S.87°-06'-17"W.

429.71'

N.05°-08'-46"W.

430'

99'

HAMILTON ROAD

GAS VAULT

353.06'

S.87°-25'-14"W.

308'

415.42'

N.84°-51-14"E.

345'

ELECTRICAL TOWER (TYPICAL)

N.05°-08'-46"W. 165.17'

122'

S87°-25'-15"W. 59.00'

S.05°-08'-46"E. 577.73'

681'

S.84°-51'-14"W. 141.00'

141'

146'

N.05°-08'-46"W. 83.55'

GRAVEL

84'

882.23'

363'

MATCHLINE SEE SHEET 6

CENTERLINE FORMER ILLINOIS CENTRAL GULF RAILROAD COMPANY'S AMBOY DISTRICT MAIN TRACK & ROW

500'

857.0

856.5

848.1

852.2

849.8

855.7

851.2

848.9

852.1

849.5

850.6

850.6

858.4

859.4

854.2

848.0

845.5

847.3

189.4

1

2

LYB

www.lybinc.com

Lewis, Yockey & Brown, Inc.
Consulting Engineers & Land Surveyors
Professional Design Firm Registration #184.000806
505 North Main Street, Bloomington, Illinois
Ph. (309) 829-2552

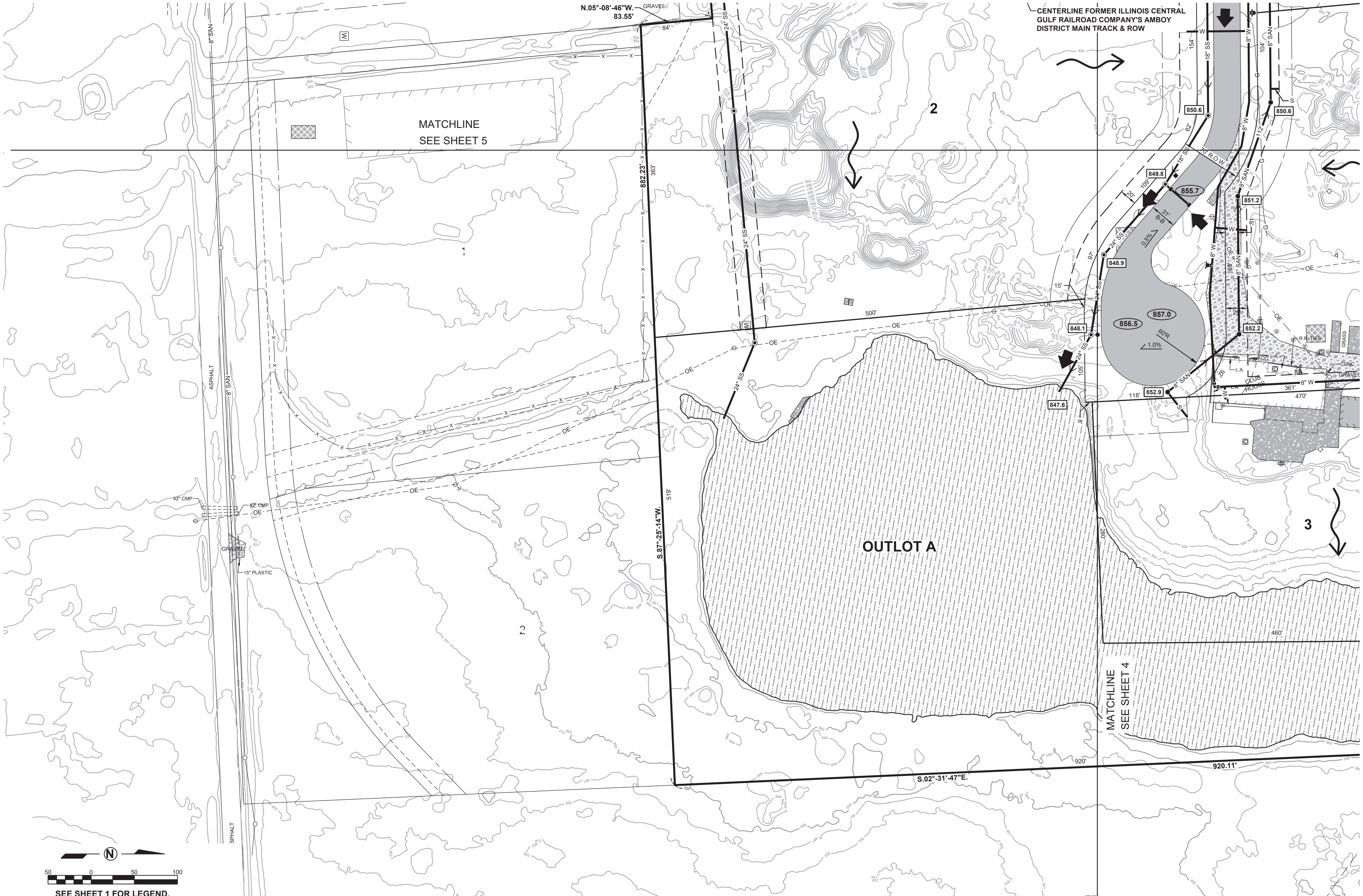
REVISED	-
11/29/2022	-
12/20/2022	-
01/16/2023	-
-	-
BK.	-
DRN.	JSB/ELE
DSN.	LDY/ELE
APP.	DPB

HDI SUBDIVISION
BUNN STREET, MCLEAN COUNTY, ILLINOIS
PRELIMINARY PLAN
UTILITY PLAN

SHEET 5

OF: 6

JOB #: 4920.07



SEE SHEET 1 FOR LEGEND.

ALL EXISTING BUILDINGS, AGGREGATE PAVEMENT, ASPHALT PAVEMENT, AND CONCRETE PAVEMENT ARE TO BE REMOVED ON LOTS 3, 4, AND 5. WELLS AND SEPTIC SYSTEM ELEMENTS ON LOTS 2, 3, 4, AND 6 SHALL BE ABANDONED IN ACCORDANCE WITH MCLEAN COUNTY HEALTH DEPARTMENT REGULATIONS.

LYB
www.lybinc.com
Lewis, Yockey & Brown, Inc.
Consulting Engineers & Land Surveyors
Professional Design Firm Registration #184.000806
505 North Main Street, Bloomington, Illinois
Ph. (309) 829-2552

REVISED	-
11/29/2022	-
12/20/2022	-
01/16/2023	-
-	-

BK. -
DRN. JSB/ELE
DSN. LDY/ELE
APP. DPB

HDI SUBDIVISION
BUNN STREET, MCLEAN COUNTY, ILLINOIS
PRELIMINARY PLAN
UTILITY PLAN

SHEET **6**
OF: **6**
JOB #: **4920.07**

DocuSign Envelope ID: D35D5B95-32EA-483A-9542-075B8EFE747D

CITY OF BLOOMINGTON

2023 - 003

AN ORDINANCE APPROVING THE PRELIMINARY PLAN FOR HDI SUBDIVISION FOR PROPERTY GENERALLY LOCATED NEAR THE INTERSECTION OF E. HAMILTON ROAD AND BUNN STREET, CONSISTING OF 40.92 ACRES MORE OR LESS, PIN(S): 21-15-152-010, 21-15-151-018, 21-15-102-005, 21-15-102-006 AND 21-15-151-020

Adopted by the City Council
of the City of Bloomington
on January 23, 2023

Published in pamphlet form by authority of the City Council of the City of Bloomington, McLean County, Illinois, on January 24, 2023.

DocuSign Envelope ID: D35D5B95-32EA-483A-9542-075B8EFE747D

STATE OF ILLINOIS)
) ss.
COUNTY OF MCLEAN)

CERTIFICATE

I, Leslie Smith-Yocum, certify that I am the duly appointed and qualified municipal clerk of the City of Bloomington, County of McLean, Illinois.

I further certify that on the Corporate Authorities of the above municipality passed and approved Ordinance No. 2023 - 003, entitled, an Ordinance Approving the Preliminary Plan for HDI Subdivision for Property Generally located near the Intersection of E. Hamilton Road and Bunn Street, consisting of 40.92 Acres More or Less, PIN(S): 21-15-152-010, 21-15-151-018, 21-15-102-005, 21-15-102-006 and 21-15-151-020, which provided by its terms that it should be published in pamphlet form.

The pamphlet form of this Ordinance, including the Ordinance and cover sheet thereof, was prepared, and a copy of the Ordinance was posted in the municipal building, commencing on January 24 , 2023, and continuing for at least ten days thereafter. Copies of the Ordinance were also available for public inspection upon request in the office of the municipal clerk.

Dated at Bloomington, Illinois, on 01/ 24/2023

Leslie Smith-Yocum
City Clerk

DocuSign Envelope ID: D35D5B95-32EA-483A-9542-075B8EFE747D

ORDINANCE NO. 2022 – 003

AN ORDINANCE APPROVING THE PRELIMINARY PLAN FOR HDI SUBDIVISION FOR PROPERTY GENERALLY LOCATED NEAR THE INTERSECTION OF E. HAMILTON ROAD AND BUNN STREET, CONSISTING OF 40.92 ACRES MORE OR LESS, PIN(S): 21-15-152-010, 21-15-151-018, 21-15-102-005, 21-15-102-006 AND 21-15-151-020

WHEREAS, there was heretofore filed with the Economic & Community Development Department of the City of Bloomington, McLean County, Illinois, a Petition requesting approval of the Preliminary Plan for HDI Subdivision for the property located near the intersection of E. Hamilton Road and Bunn Street legally described in Exhibit "A" and hereinafter referred to as "Property", which is attached hereto and made part hereof by this reference; and

WHEREAS, said Petition included a Preliminary Plan, illustrated in Exhibit "B", and hereinafter referred to as "Plan"; and

WHEREAS, the Bloomington Planning Commission, after proper notice was given, conducted a public hearing on said Petition; and

WHEREAS, the Bloomington Planning Commission, following said public hearing, made findings of fact that such Preliminary Plan conforms with the standards of the Subdivision Code of the City of Bloomington, of which the purpose is stated in § 24-203; and

WHEREAS, the Bloomington Planning Commission voted to recommend that the City Council pass this Ordinance; and

WHEREAS, the City Council of the City of Bloomington has the power to adopt this Ordinance and approve this Preliminary Plan.

NOW THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF BLOOMINGTON, MCLEAN COUNTY, ILLINOIS:

Section 1. The above recitals are incorporated herein by this reference as if specifically stated in full.

Section 2. The Council hereby adopts the findings of fact of the Planning Commission and the Preliminary Plan for HDI Subdivision, legally described in Exhibit "A" and depicted in Exhibit "B" is hereby approved.

Section 3. The City Clerk is hereby authorized to publish this Ordinance in pamphlet form as provided by law.

Section 4. This Ordinance is enacted pursuant to the home rule authority of the City of Bloomington granted by Article VII, Section 6 of the 1970 Illinois Constitution.

Section 5. This Ordinance shall take effect immediately after its approval and publication as required by law.

DocuSign Envelope ID: D35D5B95-32EA-483A-9542-075B8EFE747D

PASSED this 23rd day of January 2023.

APPROVED this 24th day of January 2023.

CITY OF BLOOMINGTON

Mboka Mwilambwe, Mayor

ATTEST

Leslie Smith-Yocum, City Clerk

DocuSign Envelope ID: D35D5B95-32EA-483A-9542-075B8EFE747D

EXHIBIT “A”

Legal Description

A part of Lot 1 in the Subdivision of the NW¼ of Section 15; a part of Lot 2, 3, 4 and 5 in Re-Survey of the W½ of the NW¼ of Section 15; a part of Lot 2 in Owner's Subdivision in the NW¼ of Section 15; a part of the Illinois Central Gulf Railroad Company's abandoned Amboy District right of way in the NW¼ of Section 15; Lot 2 and 3 in Flatbush Subdivision in the NW¼ of Section 15; all of Tri Lakes Road right of way in the NW¼ of Section 15 vacated in Document No. 2017-13365 in the McLean County Recorder of Deeds Office; all in Township 23 North, Range 2 East of the Third Principal Meridian, McLean County, Illinois, more particularly described as follows: Commencing at the southwest corner of the NW¼ of said Section 15 also being the southwest corner of Lot 5 in Re-Survey of the W½ of the NW¼ of said Section 15; thence N.02°-53'-43”W. 165.00 feet on the west line of said Lot 5 and west line of the NW¼ of said Section 15 to the Point of Beginning; thence continuing N.02°-53'-43”W. 540.53 feet on the west line of Lot 5 and 4, being the west line of the NW¼ of said Section 15; thence N.84°-51'-14”E. 415.42 feet to the west line of Lot 2 in Flatbush Subdivision, recorded as Document No. 2004-1254 in the McLean County Recorder of Deeds Office, lying 66 feet west of the centerline of the former Illinois Central Gulf Railroad Company's Amboy District main track and right of way; thence.05°-08'-46”W. 429.71 feet on said west line of Lot 2 in Flatbush Subdivision; thence S.87°-06'-17”W. 274.18 feet on the westerly line of said Lot 2 and westerly extension thereof parallel with the south line of Lot 3 in said Flatbush Subdivision; thence N.02°-53'-43”W. 49.98 feet to the south line of said Lot 3 in Flatbush Subdivision; thence S.87°-06'-17”W. 84.04 feet to the southwest corner of said Lot 3 in Flatbush Subdivision; thence N.02°-53'-43”W. 189.41 feet to the northwest corner of said Lot 3 in Flatbush Subdivision; thence N.88°-59'-48”E. 309.36 feet to the northeast corner of said Lot 3 in Flatbush Subdivision; thence N.05°-08'-46”W. 385.71 feet on the west line of Tri Lakes Road right of way as occupied and described in Deed Book 732, Page 241 and as vacated in Document No. 2017-13365 in the McLean County Recorder of Deeds Office, said west line lying 106 feet west of the centerline of the former Illinois Central Gulf Railroad Company's Amboy District main track and right of way; thence S.88°-17'-15”W. 334.10 feet to the west line of Lot 3 in Re-Survey of the W½ of the NW¼ of said Section 15, also being the west line of the NW¼ of Section 15; thence N.02°-53'-43”W. 480.92 feet on the west line of Lot 3 and Lot 2 in Re-Survey of the W½ of the NW¼ of Section 15, to the northeast corner of Lot 8 in School Commissioners Subdivision in the NE¼ of Section 16, Township 23 North, Range 2 East of the Third Principal Meridian; thence N.02°-41'-19”W. 109.54 feet on the west line of Lot 2 in Re-Survey of the W½ of the NW¼ of Section 15 to the southerly right of way line of the former Peoria and Eastern Railway Company; thence S.57°-41'-19”E. 285.07 feet on said south right of way line of the former Peoria and Eastern Railway Company; thence S.62°-12'-59”E. 529.35 feet on said right of way line; thence southeasterly on said right of way line 836.14 feet on a curve concave to the southwest having a radius of 5,679.58 feet, central angle of 08°-26'-06” and chord of 835.39 feet bearing S.58°-06'-32”E. from the last described course to the north line of Lot 2 in Owner's Subdivision in the NW¼ of said Section 15 according to the Plat thereof recorded in Plat Book 9, Page 82 in the McLean County Recorder of Deeds Office; thence southeasterly 66.66 feet on a curve concave to the southwest having a central angle of 00°-40'-21”, radius of 5,679.58 feet and a chord of 66.66 feet bearing S.56°-10'-13”E. from the chord of the last described arc to the east line of said Lot 2 in Owner's Subdivision; thence S.02°-31'-47”E. 920.11 feet to the south line of said Lot 2; thence S.87°-25'-14”W. 882.23 feet to the southwest corner of said Lot 2 on the east line of Lot 1 in said Flatbush Subdivision; thence N.05°-08'-46”W. 83.55 feet to the southeast corner of Lot 2 in said Flatbush Subdivision; thence S.84°-51'-14”W. 141.00 feet to the southwest corner of said Lot 2, also being the northeast

DocuSign Envelope ID: D35D5B95-32EA-483A-9542-075B8EFE747D

corner of Lot 1 in said Flatbush Subdivision; thence S.05°-08'-46"E. 577.73 feet on the west line of said Lot 1 and southerly extension thereof to south line of the said NW¼ of Section 15 lying 9.01 feet east of the southeast corner of Lot 5 in said Re-Survey of the W½ of the NW¼ of Section 15; thence S.87°-25'-14"W. 59.00 feet on the south line of said Lot 5 and south line of the NW¼ of Section 15; thence N.05°-08'-46"W. 165.17 feet; thence S.87°-25'-14"W. 353.06 feet to the Point of Beginning, containing 41.72 acres, more or less, with assumed bearings given for description purposes only.

PINs: 21-15-152-010, 21-15-151-018, 21-15-102-005, 21-15-102-006 and 21-15-151-020.

DocuSign Envelope ID: D35D5B95-32EA-483A-9542-075B8EFE747D

EXHIBIT "B"

Preliminary Plan for HDI Subdivision

PRELIMINARY PLAN
HDI SUBDIVISION

A PART OF THE NW1/4 OF SECTION 15, T.23N., R.2E., 3 P.M., McLEAN COUNTY, ILLINOIS

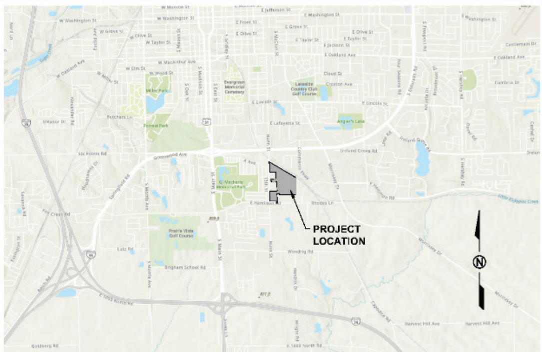
OWNER: TKnTK, LLC, 2148 TRI LAKES ROAD, BLOOMINGTON, IL 61704, ATTN: TOM KIRK, PHONE: 309.261.6893

DEVELOPER: HENSON DISPOSAL, LLC, 2148 TRI LAKES ROAD, BLOOMINGTON, IL 61704, ATTN: TOM KIRK, PHONE: 309.261.6893

ATTORNEY: RICHARD M. GUERARD, ESQ., 310 S COUNTY FARM ROAD, SUITE H, WHEATON, IL 60187-2406, ATTN: RICHARD M. GUERARD, PHONE: 630.698.4700

Legal Description of Subject Premises

A part of Lot 1 in the Subdivision of the NW¼ of Section 15, a part of Lot 2, 3, 4 and 5 in Re-Survey of the W½ of the NW¼ of Section 15; a part of Lot 2 in Owner's Subdivision in the NW¼ of Section 15; a part of the Illinois Central Gulf Railroad Company's abandoned Amboy District right of way in the NW¼ of Section 15; Lot 2 and 3 in Flatbush Subdivision in the NW¼ of Section 15; all of Tri Lakes Road right of way in the NW¼ of Section 15 vacated in Document No. 2017-13365 in the McLean County Recorder of Deeds Office; all in Township 23 North, Range 2 East of the Third Principal Meridian, McLean County, Illinois, more particularly described as follows: Commencing at the southwest corner of the NW¼ of said Section 15 also being the southwest corner of Lot 5 in Re-Survey of the W½ of the NW¼ of said Section 15; thence N.02°-53'-43"W. 165.00 feet on the west line of said Lot 5 and west line of the NW¼ of said Section 15 to the Point of Beginning; thence continuing N.02°-53'-43"W. 540.53 feet on the west line of Lot 5 and 4, being the west line of the NW¼ of said Section 15; thence N.84°-51'-14"E. 415.42 feet to the west line of Lot 2 in Flatbush Subdivision, recorded as Document No. 2004-1254 in the McLean County Recorder of Deeds Office, lying 65 feet west of the centerline of the former Illinois Central Gulf Railroad Company's Amboy District main track and right of way; thence N.05°-08'-46"W. 429.71 feet on said west line of Lot 2 in Flatbush Subdivision; thence S.87°-36'-17"W. 274.18 feet on the westerly line of said Lot 2 and westerly extension thereof parallel with the south line of Lot 3 in said Flatbush Subdivision, thence N.02°-53'-43"W. 49.98 feet to the south line of said Lot 3 in Flatbush Subdivision, thence S.87°-05'-17"W. 84.04 feet to the southwest corner of said Lot 3 in Flatbush Subdivision; thence N.02°-53'-43"W. 189.41 feet to the northwest corner of said Lot 3 in Flatbush Subdivision; thence N.89°-59'-48"E. 509.36 feet to the northeast corner of said Lot 3 in Flatbush Subdivision, thence N.05°-08'-46"W. 385.71 feet on the west line of Tri Lakes Road right of way as occupied and described in Deed Book 732, Page 241 and as vacated in Document No. 2017-13365 in the McLean County Recorder of Deeds Office, said west line lying 106 feet west of the centerline of the former Illinois Central Gulf Railroad Company's Amboy District main track and right of way; thence S.89°-17'-15"W. 534.10 feet to the west line of Lot 3 in Re-Survey of the W½ of the NW¼ of said Section 15, also being the west line of the NW¼ of Section 15; thence N.02°-53'-43"W. 480.92 feet on the west line of Lot 3 and Lot 2 in Re-Survey of the W½ of the NW¼ of Section 15, to the northeast corner of Lot 8 in School Commissioners Subdivision in the NE¼ of Section 16, Township 23 North, Range 2 East of the Third Principal Meridian; thence N.02°-41'-19"W. 109.54 feet on the west line of Lot 2 in Re-Survey of the W½ of the NW¼ of Section 15 to the southerly right of way line of the former Peoria and Eastern Railway Company; thence S.57°-41'-19"E. 285.07 feet on said south right of way line of the former Peoria and Eastern Railway Company, thence S.62°-12'-59"E. 529.35 feet on said right of way line; thence southeasterly on said right of way line 836.14 feet on a curve concave to the southwest having a radius of 5,679.58 feet, central angle of 08°-26'-06" and chord of 835.38 feet bearing S.58°-06'-32"E. from the last described course to the north line of Lot 2 in Owner's Subdivision in the NW¼ of said Section 15 according to the Plat thereof recorded in Plat Book 9, Page 82 in the McLean County Recorder of Deeds Office; thence southeasterly 66.66 feet on a curve concave to the southwest having a central angle of 00°-40'-21", radius of 5,679.58 feet and a chord of 66.66 feet bearing S.56°-10'-13"E. from the chord of the last described arc to the east line of said Lot 2 in Owner's Subdivision, thence S.02°-31'-47"E. 920.11 feet to the south line of said Lot 2, thence S.87°-25'-14"W. 882.23 feet to the southwest corner of said Lot 2 on the east line of Lot 1 in said Flatbush Subdivision; thence N.05°-08'-46"W. 83.55 feet to the southeast corner of Lot 2 in said Flatbush Subdivision; thence S.84°-51'-14"W. 141.00 feet to the southwest corner of said Lot 2, also being the northeast corner of Lot 1 in said Flatbush Subdivision, thence S.05°-08'-46"E. 577.73 feet on the west line of said Lot 1 and southerly extension thereof to south line of the said NW¼ of Section 15 lying 9.01 feet east of the southeast corner of Lot 5 in said Re-Survey of the W½ of the NW¼ of Section 15; thence S.87°-25'-14"W. 59.00 feet on the south line of said Lot 5 and south line of the NW¼ of Section 15; thence N.05°-08'-46"W. 165.17 feet, thence S.87°-25'-14"W. 353.05 feet to the Point of Beginning, containing 41.72 acres, more or less, with assumed bearings given for description purposes only.



LOCATION MAP
1"=3000'

PRELIMINARY PLAN NOTES:

1. THIS SUBJECT PROPERTY CONTAINS 41.72 ACRES WHICH IS ZONED M-2 IN MCLEAN COUNTY. THE SUBDIVISION SHALL CONSIST OF SIX (6) LOTS, ONE OUTLOT, AND A NEW PUBLIC STREET TO BE KNOWN AS HDI COURT. COMPARABLE ZONING CLASSIFICATION IN THE CITY OF BLOOMINGTON REQUIRES ZERO-FEET SETBACK. THE PROPERTY WILL NOT BE ANNEXED TO THE CITY OF BLOOMINGTON AT THIS TIME.
2. TOPOGRAPHIC INFORMATION IS SHOWN AT ONE-FOOT (1-FOOT) CONTOUR INTERVAL AS DETERMINED BY AERIAL FIELD SURVEY METHODS PROVIDED BY CIVIL & ENVIRONMENT CONSULTANTS, INC. DATED APRIL 2022.
3. NO PORTION OF THIS PROPERTY LIES WITHIN THE SPECIAL FLOOD HAZARD ZONE AS SHOWN ON FLOOD INSURANCE RATE MAP NUMBER 17113C0505E REVISED JULY 16, 2008.
4. HDI COURT WILL BECOME A PUBLIC STREET UPON APPROVAL OF CONSTRUCTION AND ACCEPTANCE FOR MAINTENANCE BY BLOOMINGTON TOWNSHIP.
5. PROPOSED SANITARY SEWERS AND WATER MAINS WILL BECOME A PUBLIC FACILITY UPON APPROVAL OF CONSTRUCTION AND ACCEPTANCE FOR MAINTENANCE BY THE CITY OF BLOOMINGTON.
6. PROPOSED STORM SEWERS WILL BECOME A PUBLIC FACILITY UPON APPROVAL OF CONSTRUCTION AND ACCEPTANCE FOR MAINTENANCE BY BLOOMINGTON TOWNSHIP.
7. PROPOSED OUTLOT A WILL SERVE AS PRIVATE STORM WATER DETENTION FOR LOTS 1-5 AND IN PART FOR LOT 6. LOT 6 CONTAINS A STORM WATER DETENTION BASIN PREVIOUSLY APPROVED BY MCLEAN COUNTY FOR AN ONGOING CONCRETE BATCH PLANT OPERATION. PRIVATE STORM WATER DETENTION BASINS ON OUTLOT A AND LOT 6 SHALL BE MAINTAINED BY THE OWNER. DRAINAGE CALCULATIONS FOR MODIFICATION OF THE EXISTING TRI LAKES WATER IMPOUNDMENT PERTAINING TO STORM WATER DETENTION WILL BE SUBMITTED TO MCLEAN COUNTY FOR REVIEW AND APPROVAL WITH CONSTRUCTION PLANS FOR THE SUBDIVISION.
8. FINAL DRAINAGE CALCULATIONS, CROSS SECTIONS OF PROPOSED DRAINAGE WAYS, LOT DRAINAGE, AND EROSION CONTROL PLAN WILL BE SUBMITTED AS PART OF THE CONSTRUCTION PLANS TO BE APPROVED BY MCLEAN COUNTY.
9. THE SUBJECT PREMISES SUBDIVISION IS ADJACENT TO THE CORPORATE LIMITS OF THE CITY OF BLOOMINGTON. PUBLIC IMPROVEMENTS, INCLUDING STORM WATER DETENTION REQUIREMENTS AND FINAL PAVEMENT DESIGN, WILL MEET THE CITY OF BLOOMINGTON CONSTRUCTION STANDARDS AND SPECIFICATIONS. THE HDI COURT AND BUNN STREET INTERSECTION GEOMETRICS SHALL BE DETERMINED AS PART OF THE CONSTRUCTION PLANS. THE CONSTRUCTION PLANS SHALL BE APPROVED BY THE CITY OF BLOOMINGTON.

PRELIMINARY PLAN WAIVERS REQUESTED:

1. A WAIVER IS REQUESTED TO ALLOW PUBLIC STREETS TO BE CONSTRUCTED WITH SIDEWALK ON ONE SIDE OF THE STREET ONLY ALONG HDI COURT.

RECOMMENDATION OF PRELIMINARY PLAN APPROVAL BY THE COMMITTEE OF THE MCLEAN COUNTY BOARD

NOTICE IS HEREBY GIVEN THAT THE PRELIMINARY PLAN OF THE SUBDIVISION SHOWN HEREON IS RECOMMENDED BY COMMITTEE OF THE COUNTY BOARD, COUNTY OF MCLEAN, ILLINOIS, FOR COUNTY BOARD APPROVAL WITH THE MODIFICATIONS (IF ANY) AS NOTED IN ATTACHMENT A WHICH IS ATTACHED HERETO.

THE COUNTY BOARD OF MCLEAN COUNTY, ILLINOIS

DATE ______________, 20__

BY ______________ CHAIRPERSON

BY ______________ SECRETARY

NOTICE OF APPROVAL OF PRELIMINARY PLAN BY THE COUNTY BOARD OF MCLEAN COUNTY, ILLINOIS

NOTICE IS HEREBY GIVEN THAT THE PRELIMINARY PLAN OF THE SUBDIVISION SHOWN HEREON HAS RECEIVED APPROVAL BY THE COUNTY BOARD, AND UPON COMPLIANCE BY THE SUBDIVIDER WITH THE REQUIREMENTS OF QUALIFICATION GOVERNING THE APPROVAL OF PRELIMINARY PLANS AND WITH OTHER REVISIONS AND STIPULATIONS THAT MAY BE REQUIRED, AS NOTED ON ATTACHMENT A WHICH IS ATTACHED HERETO, THE COUNTY BOARD WILL RECEIVE THE FINAL PLAT OF SUCH SUBDIVISION OR PORTION THEREOF FOR CONSIDERATION WHEN SUBMITTED BY THE SUBDIVIDER IN SUCH FORM AND WITHIN SUCH TIME AS REQUIRED BY THE RESOLUTION.

THE COUNTY BOARD OF MCLEAN COUNTY, ILLINOIS

BY ______________ COUNTY BOARD CHAIRMAN

DATE ______________, 20______

ATTEST BY ______________ COUNTY CLERK

DATE ______________, 20______

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	COMPREHENSIVE PLAN
3 - 6	UTILITY PLAN

BENCHMARKS:

NO.	DESCRIPTION	ELEVATION
1	T/FH @ SW CORNER BUNN/HAMILTON	866.01
2	SPINDLE SET IN PP - N SIDE OF PARKING AREA WEST OF TRI LAKES CLUBHOUSE BUILDING	852.84

LEGEND

- BOUNDARY OF SUBJECT PREMISES
- ⅝" IRON ROD SET
- ⅝" IRON ROD FOUND
- EASEMENT LIMITS
- CORPORATE LIMITS
- EXISTING BUILDING
- EXISTING FENCE
- EXISTING SANITARY MANHOLE
- EXISTING SEPTIC FIELD
- EXISTING SANITARY SEWER
- EXISTING HYDRANT
- EXISTING WATER VALVE
- EXISTING WATER MAIN MANHOLE
- EXISTING WELL
- EXISTING WATER MAIN
- EXISTING STORM MANHOLE
- EXISTING STORM INLET
- EXISTING STORM SEWER
- EXISTING LIGHT POLE
- UTILITY POLE
- GUY ANCHOR
- HANDHOLE
- TELEPHONE PEDESTAL
- FIBER VAULT
- OVERHEAD ELECTRIC
- GAS VALVE
- GAS MANHOLE
- GAS
- SIGN
- MAIL BOX
- AIR CONDITIONING UNIT
- SATELLITE DISH
- EXISTING BOLLARD
- WOODEN POST
- GATE POST
- SEPTIC TANK
- CISTERN
- LANDSCAPED AREA
- DECIDUOUS TREE
- EXISTING GUARDRAIL
- EXISTING GRAVEL
- EXISTING ASPHALT
- EXISTING WATER
- EXISTING CONTOUR
- EXISTING FLOOD ROUTE
- FRONT YARD SETBACK - 40' TYPICAL
- PROPOSED EASEMENT LIMITS
- PROPOSED OR EXISTING INVERT
- PROPOSED SANITARY MANHOLE
- PROPOSED SANITARY SERVICE
- PROPOSED SANITARY SEWER
- PROPOSED HYDRANT
- PROPOSED WATER VALVE
- PROPOSED WATER SERVICE
- PROPOSED WATER MAIN
- PROPOSED STORM SEWER
- PROPOSED LIGHT POLE
- PROPOSED PAVEMENT ELEVATION
- PROPOSED PAVEMENT SLOPE
- PROPOSED FLOOD ROUTE
- PROPOSED DIRECTION OF DRAINAGE

I, DAVID P. BROWN, ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 2726, DO HEREBY CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE PLAT SHOWN HEREON IS AN ACCURATE REPRESENTATION OF A SURVEY MADE UNDER MY DIRECTION.

DAVID P. BROWN — IPLS NO. 2726 — DATE 09/06/2022

DAVID P. BROWN, 2726, PROFESSIONAL LAND SURVEYOR, STATE OF ILLINOIS, BLOOMINGTON, ILLINOIS — EXP. DATE 11/30/2022

THIS PRELIMINARY PLAT WAS PREPARED BY LEWIS, YOCKEY & BROWN, INC., 505 NORTH MAIN STREET, BLOOMINGTON, ILLINOIS.

ERIN L. ESTABROOK — ILPE NO. 51348 — DATE 09/06/2022

ERIN L. ESTABROOK, 51348, LICENSED PROFESSIONAL ENGINEER OF ILLINOIS — EXP. DATE 02/28/2023

LYB www.lybinc.com

Lewis, Yockey & Brown, Inc.
Consulting Engineers & Land Surveyors
Professional Design Firm Registration #184.000806
505 North Main Street, Bloomington, Illinois
Ph. (309) 829-2552

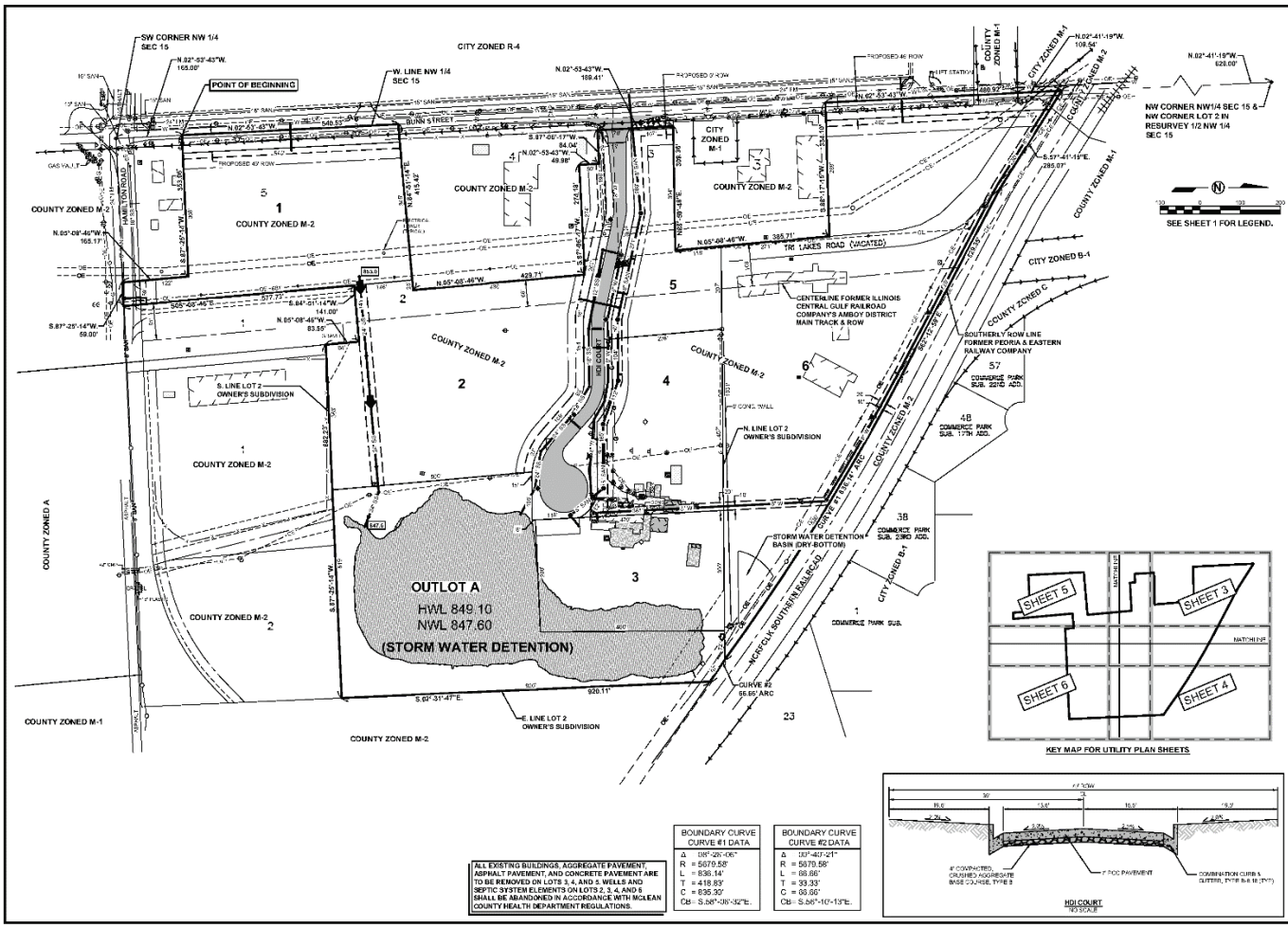
REVISED	-
11/29/2022	-
12/20/2022	-
01/18/2023	-

FK: -
DRN: ELE
DSN: ELE
APP: DPB

HDI SUBDIVISION
BUNN STREET, MCLEAN COUNTY, ILLINOIS
PRELIMINARY PLAN
COVER SHEET

SHEET **1**
OF: 3
JOB #: **4920.07**

DocuSign Envelope ID: D35D5B95-32EA-483A-9542-075B8EFE747D



ALL EXISTING BUILDINGS, AGGREGATE PAVEMENT, ASPHALT PAVEMENT, AND CONCRETE PAVEMENT ARE TO BE REMOVED ON LOTS 3, 4, AND 5. WELLS AND SEPTIC SYSTEM ELEMENTS ON LOTS 2, 3, 4, AND 5 SHALL BE ABANDONED IN ACCORDANCE WITH MCLEAN COUNTY HEALTH DEPARTMENT REGULATIONS.

BOUNDARY CURVE CURVE #1 DATA	
Δ	08°-26'-06"
R	= 5679.58'
L	= 836.14'
T	= 418.83'
C	= 835.30'
CB	= S.86°-09'-32"E.

BOUNDARY CURVE CURVE #2 DATA	
Δ	00°-07'-21"
R	= 5679.58'
L	= 56.66'
T	= 33.33'
C	= 56.66'
CB	= S.86°-10'-13"E.

HDI COURT
NO SCALE

Lewis, Yockey & Brown, Inc.
Consulting Engineers & Land Surveyors
Professional Design Firm Registration #184.000886
303 North Main Street, Bloomington, Illinois
Ph. (309) 828-2552

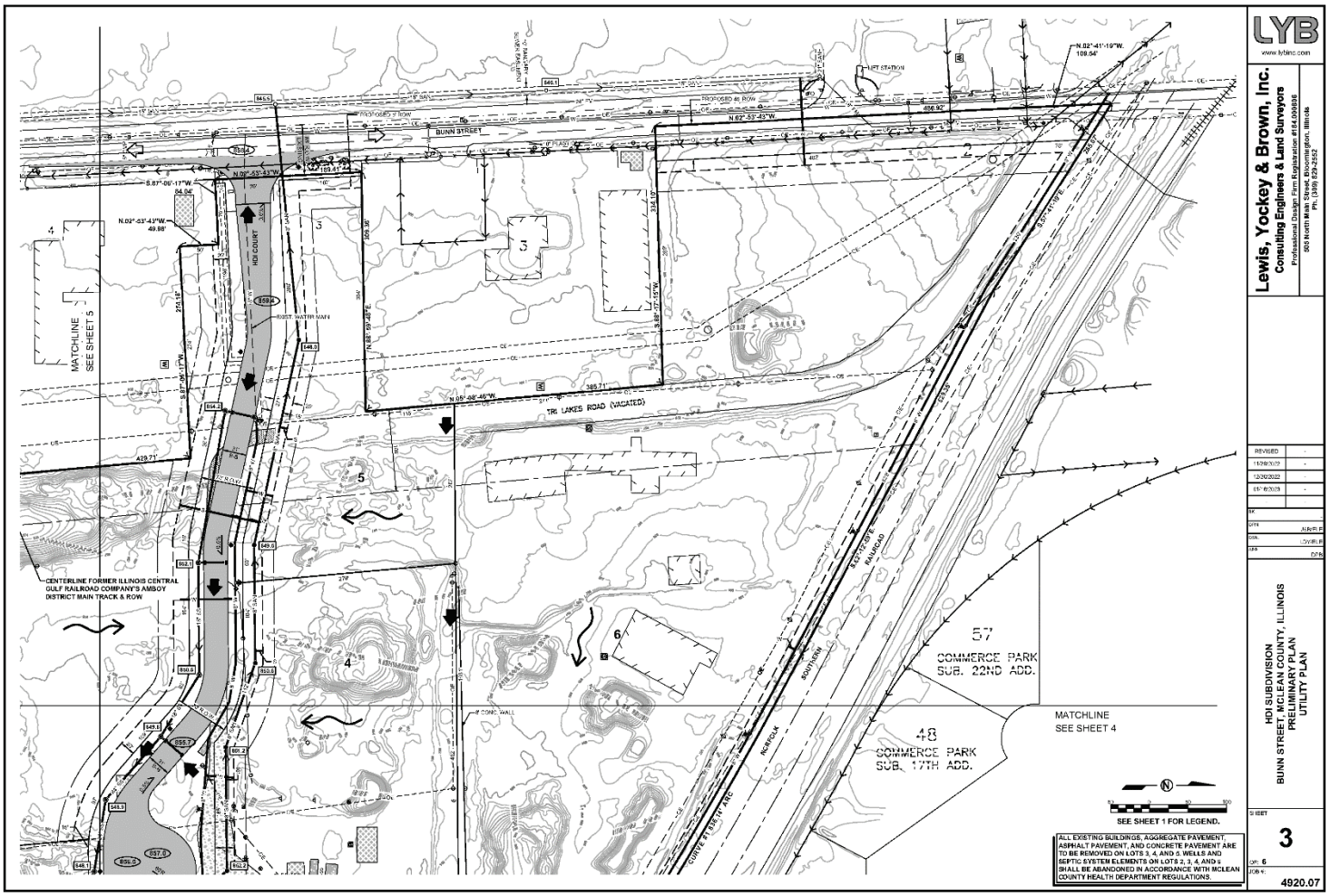
REVISED	
11/30/2021	-
10/29/2021	-
7/19/2021	-
-	-

BY: JSB/EJE
CHK: TDV/RLP
DES: DRN

HDI SUBDIVISION
BUNN STREET, MCLEAN COUNTY, ILLINOIS
PRELIMINARY PLAN
COMPREHENSIVE PLAN

SHEET 2
OF 3
JOB #: 4920.07

DocuSign Envelope ID: D35D5B95-32EA-483A-9542-075B8EFE747D



LYB
www.lybinc.com

Lewis, Yockey & Brown, Inc.
Consulting Engineers & Land Surveyors
Professional Design Firm Registration #184.000898
900 North Main Street, Bloomington, Illinois
Ph. (309) 829-2552

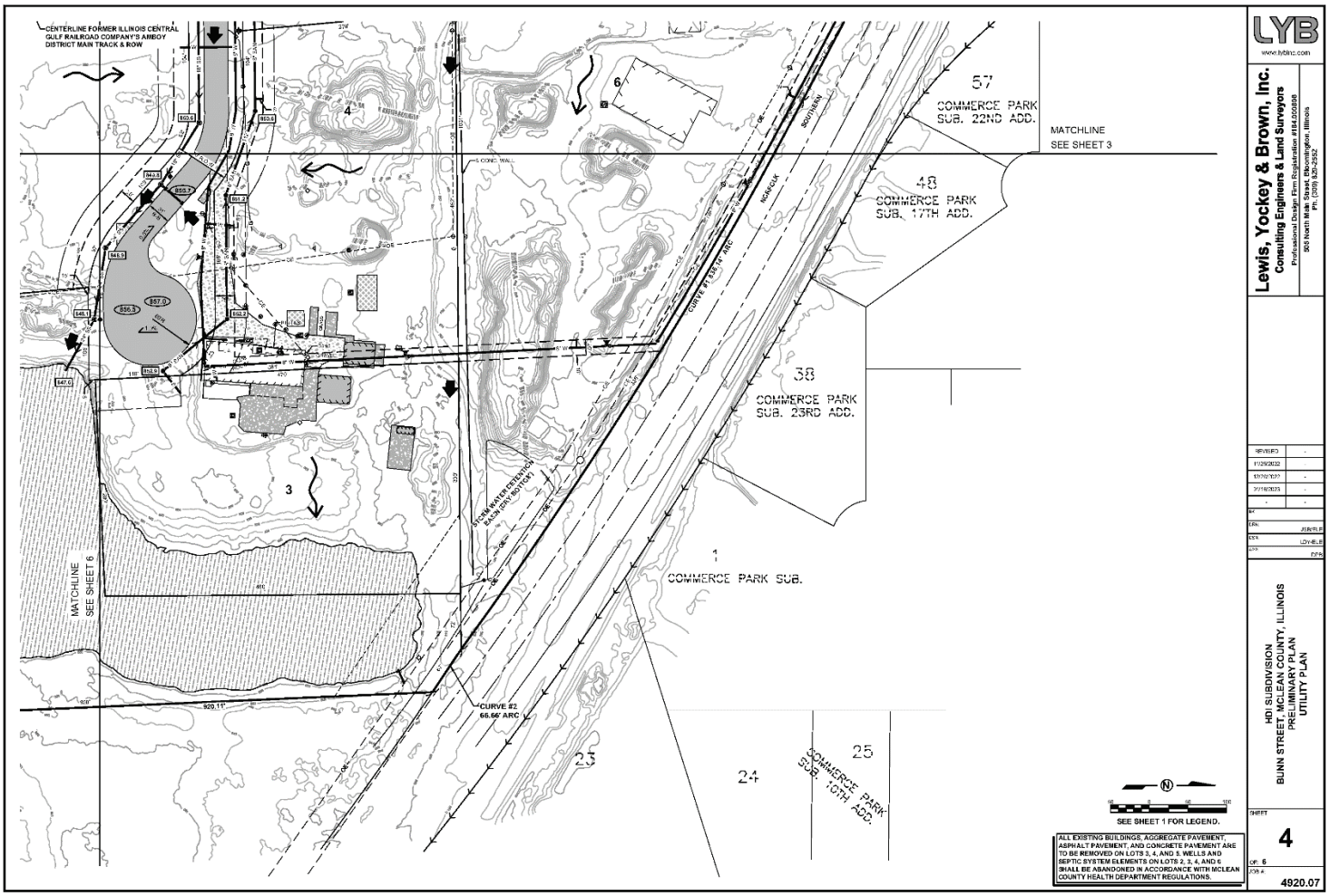
REVISED	
11/28/2022	-
12/20/2022	-
01/18/2023	-

BY:
DRN: JMHF
DES: DWHF
CHK: DWH

HDI SUBDIVISION
BUNN STREET, MCLEAN COUNTY, ILLINOIS
PRELIMINARY PLAN
UTILITY PLAN

SHEET
3
OF: 6
JOB #:
4920.07

DocuSign Envelope ID: D35D5B95-32EA-483A-9542-075B8EFE747D



LYB
www.lybinc.com

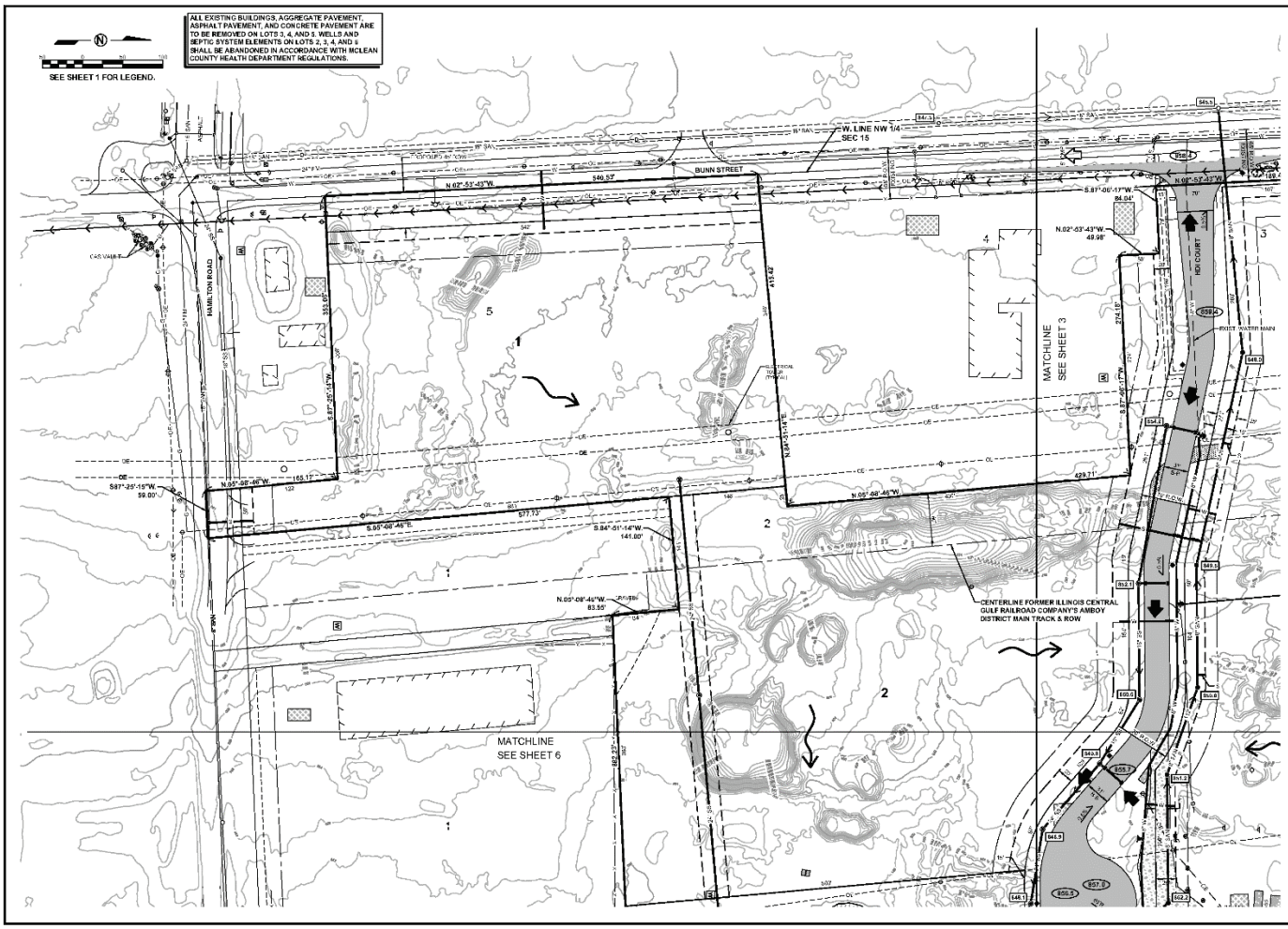
Lewis, Yockey & Brown, Inc.
Consulting Engineers & Land Surveyors
Professional Design Firm Registration #184.000898
900 North Main Street, Bloomington, Illinois
Ph. (309) 825-2552

REVISED	-
11/29/2022	
12/07/2022	-
2/16/2023	-
-	-
BY	
DRN	JSR/ELF
DES	LDY/ELF
CK	DPK

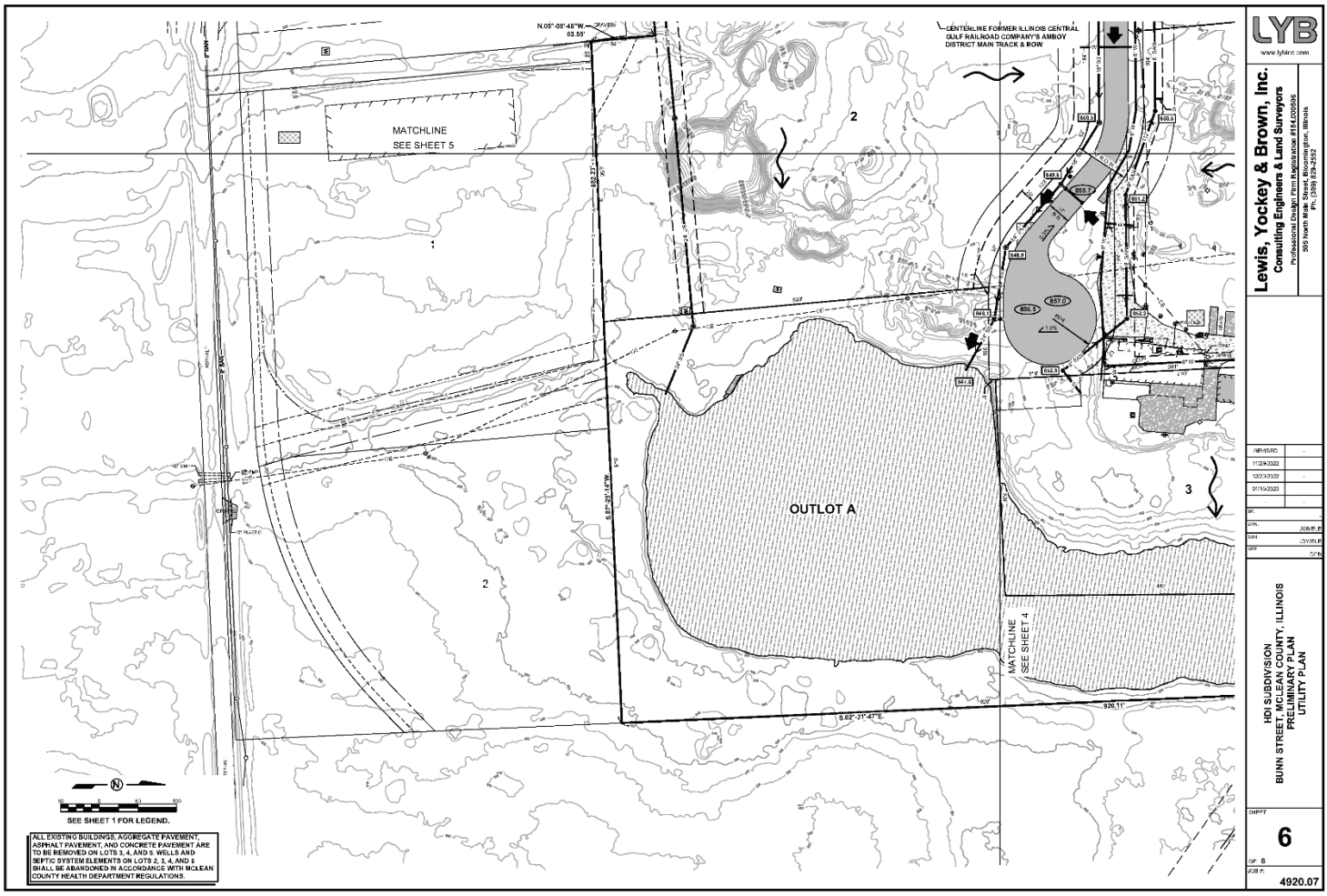
HDI SUBDIVISION
BUNN STREET, MCLEAN COUNTY, ILLINOIS
PRELIMINARY PLAN
UTILITY PLAN

SHEET 4
OF 6
JOB # 4920.07

DocuSign Envelope ID: D35D5B95-32EA-483A-9542-075B8EFE747D



DocuSign Envelope ID: D35D5B95-32EA-483A-9542-075B8EFE747D



LYB
www.lybinc.com

Lewis, Yockey & Brown, Inc.
Consulting Engineers & Land Surveyors
Professional Design Firm Registration #184.000696
309 North Main Street, Bloomington, Illinois
PH. (309) 829-2552

REVISED
11/29/2022
12/23/2022
01/19/2023

HDI SUBDIVISION
BUNN STREET, MCLEAN COUNTY, ILLINOIS
PRELIMINARY PLAT
UTILITY PLAN

SHEET
6
OF 8

JOB #:
4920.07

MCLEAN COUNTY RECORDER OF DEEDS

Type: OFFICIAL RECORDS
Recorded: 8/17/2023 9:50:50 AM
Fee Amt: $75.00 Page 1 of 2
IL Rental Housing Fund: $18.00
McLean County, IL
Kathy Michael County Clerk\Recording Div.

File# 2023-00010925

RECORDER'S STAMP

RECORDING COVERSHEET

Assessment Plat

SEE LEGAL DESCRIPTION ATTACHED HERETO AND MADE A PART HEREOF AS EXHIBIT "A"

P.I.N.:

21-15-152-010
21-15-151-018

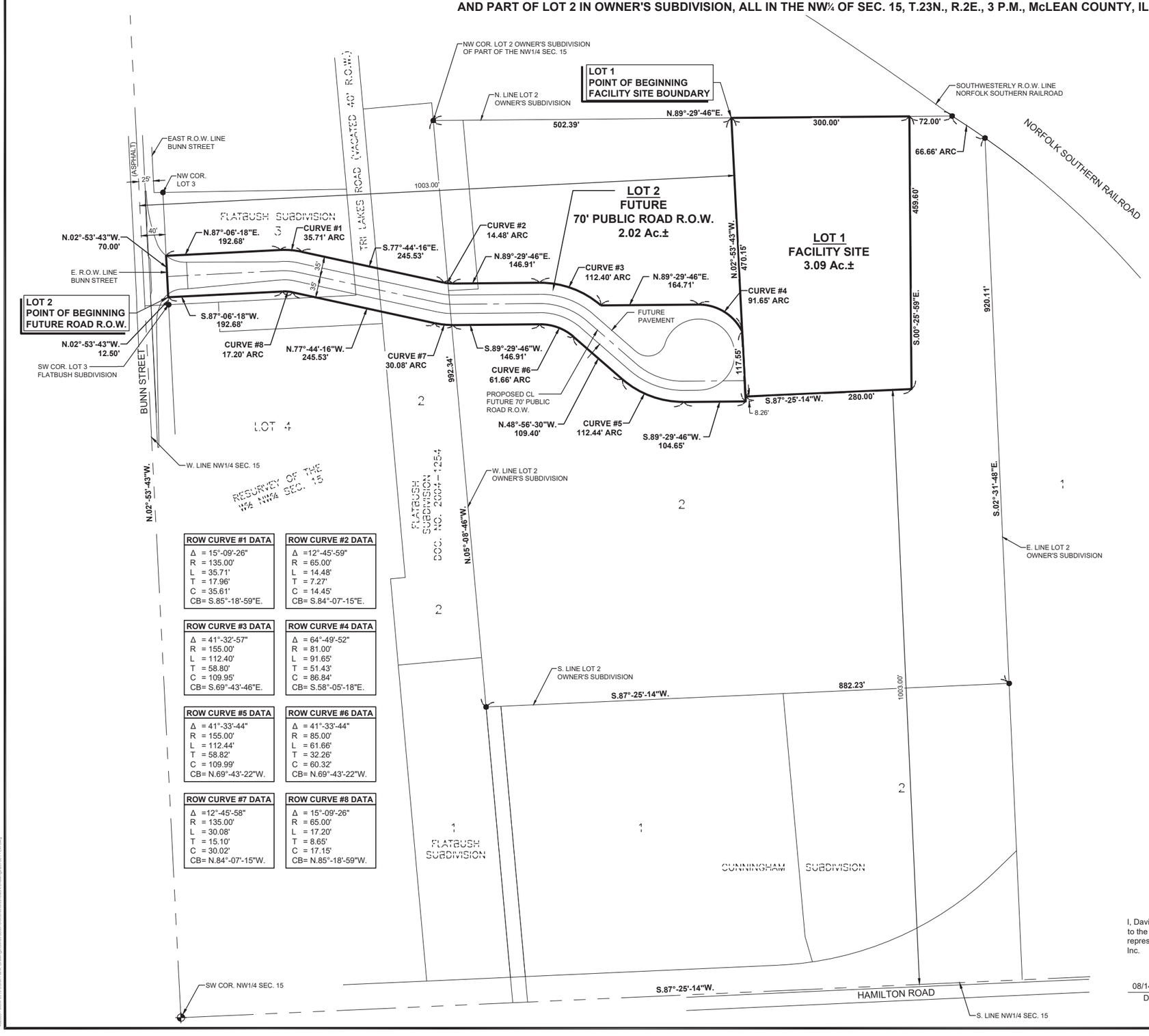
TK n TK, LLC

Prepared by and Mail Recorded Document to:

Richard M. Guerard
310 S. County Farm Road
Wheaton, IL 60187

ASSESSMENT PLAT

PART OF LOTS 2 AND 3 IN FLATBUSH SUBDIVISION, PART OF LOT 4 IN RE-SURVEY OF THE W½ NW¼, PART OF VACATED TRI-LAKES ROAD AND PART OF LOT 2 IN OWNER'S SUBDIVISION, ALL IN THE NW¼ OF SEC. 15, T.23N., R.2E., 3 P.M., McLEAN COUNTY, ILLINOIS

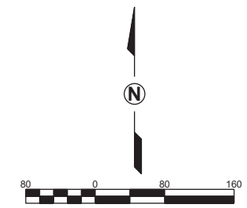


ROW CURVE #1 DATA	ROW CURVE #2 DATA
Δ = 15°-09'-26"	Δ =12°-45'-59"
R = 135.00'	R = 65.00'
L = 35.71'	L = 14.48'
T = 17.96'	T = 7.27'
C = 35.61'	C = 14.45'
CB= S.85°-18'-59"E.	CB= S.84°-07'-15"E.

ROW CURVE #3 DATA	ROW CURVE #4 DATA
Δ = 41°-32'-57"	Δ = 64°-49'-52"
R = 155.00'	R = 81.00'
L = 112.40'	L = 91.65'
T = 58.80'	T = 51.43'
C = 109.95'	C = 86.84'
CB= S.69°-43'-46"E.	CB= S.58°-05'-18"E.

ROW CURVE #5 DATA	ROW CURVE #6 DATA
Δ = 41°-33'-44"	Δ = 41°-33'-44"
R = 155.00'	R = 85.00'
L = 112.44'	L = 61.66'
T = 58.82'	T = 32.26'
C = 109.99'	C = 60.32'
CB= N.69°-43'-22"W.	CB= N.69°-43'-22"W.

ROW CURVE #7 DATA	ROW CURVE #8 DATA
Δ =12°-45'-58"	Δ = 15°-09'-26"
R = 135.00'	R = 65.00'
L = 30.08'	L = 17.20'
T = 15.10'	T = 8.65'
C = 30.02'	C = 17.15'
CB= N.84°-07'-15"W.	CB= N.85°-18'-59"W.



LEGEND

- SUBJECT PREMISES BOUNDARY
- RIGHT OF WAY CENTERLINE
- 5/8" IRON ROD FOUND (UNLESS OTHERWISE NOTED)

Lot1

Legal Description Facility Site

A part of Lot 2 in Owner's Subdivision of part of the NW¼ of Section 15, Township 23 North, Range 2 East of the Third Principal Meridian, McLean County, Illinois, more particularly described as follows: Commencing at the northwest corner of Lot 2 in Owner's Subdivision of part of the NW¼ of Section 15 according to the Plat thereof recorded in Plat Book 9 on Page 82; thence N.89°-29'-46"E. 502.39 feet on the north line of said Lot 2 to the Point of Beginning; thence continuing N.89°-29'-46"E. 300.00 feet on the north line of said Lot 2; thence S.00°-25'-59"E. 459.60 feet to a point 1003.00 feet north of the south line of the NW¼ of said Section 15; thence S.87°-25'-14"W. 280.00 feet parallel with the south line of the NW¼ of said Section 15 to a point 1003.00 feet east of the west line of the NW¼ of said Section 15; thence N.02°-53'-43"W. 470.15 feet parallel with the west line of the NW¼ of said Section 15 to the Point of Beginning containing 3.09 acres, more or less, with assumed bearings given for description purposes only.

Part of Tax Parcel ID #21-15-152-010

Lot 2

Future Public Street ROW Legal Description

A part of Lots 2 and 3 in Flatbush Subdivision, a part of Lot 4 in Re-Survey of the W½ of the NW¼, a part of vacated Tri-Lakes Road and a part of Lot 2 in Owner's Subdivision, all in the NW¼ of Section 15, Township 23 North, Range 2 East of the Third Principal Meridian, McLean County, Illinois, more particularly described as follows: Commencing at the southwest corner of Lot 3 in Flatbush Subdivision on the east right of way line of Bunn Street; thence N.02°-53'-43"W. 12.50 feet on the said east right of way line of Bunn Street and west line of said Lot 3 to the Point of Beginning; thence continuing N.02°-53'-43"W. 70.00 feet on the west line of said Lot 3 and east right of way line of Bunn Street; thence N.87°-06'-18"E. 192.68 feet; thence southeasterly 35.71 feet on a tangential curve concave to the southwest having a radius of 135.00 feet, central angle of 15°-09'-26" and a chord of 35.61 feet bearing S.85°-18'-59"E. from the last described course; thence S.77°-44'-16"E. 245.53 feet; thence easterly 14.48 feet on a tangential curve concave to the north having a radius of 65.00 feet, central angle of 12°-45'-59" and a chord of 14.45 feet bearing S.84°-07'-15"E. from the last described course; thence N.89°-29'-46"E. 146.91 feet; thence southeasterly 112.40 feet on a tangential curve concave to the southwest having a radius of 155.00 feet, central angle of 41°-32'-57" and a chord of 109.95 feet bearing S.69°-43'-46"E. from the last described course; thence N.89°-29'-46"E. 164.71 feet; thence southeasterly 91.65 feet on a tangential curve concave to the southwest having a radius of 81.00 feet, central angle of 64°-49'-52" and a chord of 86.84 feet bearing S.58°-05'-18"E. from the last described course, to a point 1003.00 feet east of the west line of the NW¼ of said Section 15; thence S.02°-53'-43"E. 117.55 feet parallel to the said west line of the NW¼ of Section 15; thence S.89°-29'-46"W. 104.65 feet; thence northwesterly 112.44 feet on a tangential curve concave to the northeast having a radius of 155.00 feet, central angle of 41°-33'-44" and a chord of 109.99 feet bearing N.69°-43'-22"W. from the last described course; thence N.48°-56'-30"W. 109.40 feet; thence westerly 61.66 feet on a tangential curve concave to the southwest having a radius of 85.00 feet, central angle of 41°-33'-44" and a chord of 60.32 feet bearing N.69°-43'-22"W. from the last described course; thence S.89°-29'-46"W. 146.91 feet; thence northwesterly 30.08 feet on a tangential curve concave to the northeast having a radius of 135.00 feet, central angle of 12°-45'-58" and a chord of 30.02 feet bearing N.84°-07'-15"W. from the last described course; thence N.77°-44'-16"W. 245.53 feet; thence northwesterly 17.20 feet on a tangential curve concave to the southwest having a radius of 65.00 feet, central angle of 15°-09'-26" and a chord of 17.15 feet bearing N.85°-18'-59"W. from the last described course; thence S.87°-06'-18"W. 192.68 feet to the Point of Beginning containing 2.02 acres, more or less, with assumed bearings given for description purposes only.

Part of Tax Parcel ID #21-15-151-018 & Part of Tax Parcel ID #21-15-152-010

Surveyor's Certificate

I, David P. Brown, Illinois Professional Land Surveyor No. 2725, do hereby certify that to the best of my knowledge and belief the plat shown hereon is an accurate representation of an assessment plat made under my direction for Henson Disposal, Inc.

08/14/2023
Date

David P. Brown
Illinois Professional Land Surveyor No. 2725
License Expires 11/30/2024

DAVID P. BROWN 2725 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS BLOOMINGTON, ILLINOIS

LYB
www.lybinc.com

Lewis, Yockey & Brown, Inc.
Consulting Engineers & Land Surveyors
Professional Design Firm Registration #184.000806
505 North Main Street, Bloomington, Illinois
Ph. (309) 829-2552

REVISED	-
-	-
-	-
-	-
-	-

BK. 929
DRN. MB/JSB/ELE
DSN. DPB
APP. DPB

HENSON DISPOSAL
MUNICIPAL SOLID WASTE TRANSFER STATION
FACILITY SITE & FUTURE
PUBLIC ROAD R.O.W. ASSESSMENT PLAT
MCLEAN COUNTY, ILLINOIS

SHEET 1 OF: 1

JOB #: 4920.05

I:\4920\4920.05\Civil Plans, Drawings\Survey Documents\4920.05 Assmt. Plat (ETSI).dwg
4920.05 - MSW 2019 Const Plans, Drawings\Construction Documents\Drawing Sheets.pdf (2019/01 - LW.dwg

APPENDIX 2-D:

SITE LEGAL

EXHIBIT A

Legal Description Facility Site

A part of Lot 2 in Owner's Subdivision of part of the NW¼ of Section 15, Township 23 North, Range 2 East of the Third Principal Meridian, McLean County, Illinois, more particularly described as follows: Commencing at the northwest corner of Lot 2 in Owner's Subdivision of part of the NW¼ of Section 15 according to the Plat thereof recorded in Plat Book 9 on Page 82; thence N.89°-29'-46"E. 502.39 feet on the north line of said Lot 2 to the Point of Beginning; thence continuing N.89°-29'-46"E. 300.00 feet on the north line of said Lot 2; thence S.00°-25'-59"E. 459.60 feet to a point 1003.00 feet north of the south line of the NW¼ of said Section 15; thence S.87°-25'-14"W. 280.00 feet parallel with the south line of the NW¼ of said Section 15 to a point 1003.00 feet east of the west line of the NW¼ of said Section 15; thence N.02°-53'-43"W. 470.15 feet parallel with the west line of the NW¼ of said Section 15 to the Point of Beginning containing 3.09 acres, more or less, with assumed bearings given for description purposes only.

APPENDIX 2-E:

LEASE AGREEMENT

FIRST AMENDMENT TO INDUSTRIAL LEASE

This First Amendment to Industrial Lease ("**First Amendment**") is executed as of August 14, 2023, but effective as of January 1, 2023, by and between TKNTK, LLC, an Illinois limited liability company ("**Landlord**") and HENSON PARENT, LLC, a Delaware limited liability company ("**Tenant**").

RECITALS

A. Landlord and Tenant are parties to that certain Industrial Lease dated as of December 31, 2021 ("**Original Lease**") with respect to the properties located at: (i) 2102 Bunn St.; (ii) 1902 Bunn Street; and (iii) 2148 Trilakes Road, all in Bloomington, Illinois (the "**Premises**");

B. The parties desire to amend the terms and provisions of the Original Lease in accordance with the terms and provisions set forth below. The Original Lease, as amended by this First Amendment shall constitute and be collectively referred to hereinafter as the "**Lease**".

NOW, THEREFORE, in consideration of the foregoing, and mutual promises and agreements set forth herein, and other good and valuable consideration, the legal sufficiency of which is hereby acknowledged, it is mutually agreed by and between Landlord and Tenant as follows:

AGREEMENTS & AMENDMENTS

1. **Full Force and Effect, No Defaults**. The parties acknowledge that as of the date hereof the Original Lease, as amended hereby, is in full force and effect and that neither Landlord nor Tenant to their respective knowledge is in default thereunder, nor has either of them to their respective knowledge has committed any act or failed to take any action which, but for the passage of time, would constitute a default under the Lease or a breach of the terms thereof.

2. **Term**. The Term of the Lease is extended by Three (3) years, such that the Lease Expiration Date shall be December 31, 2025.

3. **Rent**. Commencing on January 1, 2023, and continuing through the end of the Term, Rent shall continue at [redacted] per month.

4. **Purchase Obligation**. The Purchase Obligation under Article XXX of the Original Lease is in full force and effect, provided that Section 30.2(e) is amended to provide that the Closing shall occur on January 2, 2026.

5. **Purchase Right**. In addition to the Purchase Obligation, Tenant shall also have the option to close on the Purchase of the Premises, under the same terms as noted in Article XXX of the Lease (the "**Purchase Option**"). The Purchase Option may be exercised by Tenant at any time after Henson Disposal, LLC has obtained an unappealable municipal solid waste management permit granted by the Illinois Pollution Control Board to develop the Premises as a solid waste treatment and storage facility. Further, during the Term of this Lease, Landlord shall not be permitted to sell the Premises to any other party without the prior written approval of Tenant.

6. **Broker**. Each party represents and warrants to the other that no broker or other third party is due any commission, fee, remuneration or other consideration for or arising out of this transaction. Each party agrees to indemnify and hold harmless the other party from and against any and

all claims or demands, damages, liabilities and expenses of any type or nature whatsoever arising by reason of the incorrectness or breach of the aforesaid representation or warranty.

7. **No Other Changes**. Except as amended or set aside hereby, all of the terms and conditions of the Lease shall remain in full force and effect, and Landlord and Tenant shall remain fully obligated to perform each and all of their obligations thereunder. This First Amendment shall bind and inure to the benefit of the parties and their respective successors, legal representatives and permitted assigns.

8. **Entire Agreement**. This First Amendment and the Original Lease are the entire agreement of the parties and supersedes all prior agreements and understandings regarding the subject matter herein. No modification or waiver of the provisions herein this First Amendment or Original Lease, shall be valid or binding on either party unless agreed to in writing by both parties. In the event of a conflict between the Original Lease and the First Amendment, then, the terms and provisions of the First Amendment shall control.

9. **Governing Law**. This First Amendment shall be governed by and construed in accordance with the laws of the State of Illinois.

10. **Counterparts**. This First Amendment may be executed in any number of identical counterparts, any or all of which may contain the signatures of less than all of the parties, and all of which shall be construed together as a single instrument. Signatures to this First Amendment transmitted by electronic transmission shall be valid and effective to bind the parties so signing and transmitting.

[THE REMAINDER OF THIS PAGE IS BLANK;
SIGNATURE PAGE FOLLOWS]

IN WITNESS WHEREOF, the parties hereto have executed this First Amendment as of the day and year first above written.

LANDLORD

TKNTK, an Illinois limited liability company

By: Tom Kirk
Name: Tom Kirk
Title: Manager

TENANT

HENSON PARENT, LLC, a Delaware limited liability company

By: Lakeshore Recycling Systems, LLC,
a Delaware limited liability company
Its: Manager

By: GHM
Print Name: Corey H. Grauer
Its: Chief Legal Officer

APPENDIX 2-F:

ARCHAEOLOGICAL STUDY

ILLINOIS
DEPARTMENT OF NATURAL RESOURCES

Illinois Department of **Natural Resources**

One Natural Resources Way Springfield, Illinois 62702-1271
www.dnr.illinois.gov
Mailing Address: 1 Old State Capitol Plaza, Springfield, IL 62701

JB Pritzker, Governor
Colleen Callahan, Director

FAX (217) 524-7525

McLean County
Bloomington
Demolition and New Construction, Henson Disposal Tri-Lakes Shop
2148 Tri Lakes Road
LYB-4920.05
SHPO Log #019042219

June 12, 2019

Erin L. Estabrook
Lewis, Yockey & Brown, Inc.
155 S. Elm St.
El Paso, IL 61738

Dear Ms. Estabrook:

This letter is to inform you that we have reviewed the information provided concerning the referenced project.

Our review of the records indicates that no historic, architectural or archaeological sites exist within the project area.

Please retain this letter in your files as evidence of compliance with Section 4 of the Illinois State Agency Historic Resources Preservation Act (20 ILCS 3420/1 et. seq.). This clearance remains in effect for two years from date of issuance. It does not pertain to any discovery during construction, nor is it a clearance for purposes of the Illinois Human Skeletal Remains Protection Act (20 ILCS 3440).

If you have any further questions, please call 217/782-4836.

Sincerely,

Robert F. Appleman
Deputy State Historic
Preservation Officer

APPENDIX 2-G:

ENDANGERED SPECIES STUDY

EcoCAT
Ecological Compliance Assessment Tool

ILLINOIS DEPARTMENT OF NATURAL RESOURCES

Applicant: Henson Disposal, Inc.
Contact: Karl Finke
Address: 505 N Main St
Bloomington, IL 61701

Project: Henson Disposal Tri Lakes Shop
Address: 2148 Tri-Lakes Road, Bloomington

IDNR Project Number: 2305045
Date: 10/03/2022
Alternate Number: 1909823

Description: Demolition of existing buildings, construction of a new building, construction of new aggregate parking, reconfiguration of existing detention ponds

Natural Resource Review Results

Consultation for Endangered Species Protection and Natural Areas Preservation (Part 1075)

The Illinois Natural Heritage Database contains no record of State-listed threatened or endangered species, Illinois Natural Area Inventory sites, dedicated Illinois Nature Preserves, or registered Land and Water Reserves in the vicinity of the project location.

Consultation is terminated. This consultation is valid for two years unless new information becomes available that was not previously considered; the proposed action is modified; or additional species, essential habitat, or Natural Areas are identified in the vicinity. If the project has not been implemented within two years of the date of this letter, or any of the above listed conditions develop, a new consultation is necessary. Termination does not imply IDNR's authorization or endorsement.

Location

The applicant is responsible for the accuracy of the location submitted for the project.

County: McLean

Township, Range, Section:
23N, 2E, 15

IL Department of Natural Resources Contact
Adam Rawe
217-785-5500
Division of Ecosystems & Environment

Government Jurisdiction
IL Environmental Protection Agency
Karl Finke
3300 Ginger Creek Dr
Springfield, Illinois 62711 -7233

Disclaimer

The Illinois Natural Heritage Database cannot provide a conclusive statement on the presence, absence, or condition of natural resources in Illinois. This review reflects the information existing in the Database at the time of this inquiry, and should not be regarded as a final statement on the site being considered, nor should it be a substitute for detailed site surveys or field surveys required for environmental assessments. If additional protected resources are encountered during the project's implementation, compliance with applicable statutes and regulations is required.

Terms of Use

By using this website, you acknowledge that you have read and agree to these terms. These terms may be revised by IDNR as necessary. If you continue to use the EcoCAT application after we post changes to these terms, it will mean that you accept such changes. If at any time you do not accept the Terms of Use, you may not continue to use the website.

1. The IDNR EcoCAT website was developed so that units of local government, state agencies and the public could request information or begin natural resource consultations on-line for the Illinois Endangered Species Protection Act, Illinois Natural Areas Preservation Act, and Illinois Interagency Wetland Policy Act. EcoCAT uses databases, Geographic Information System mapping, and a set of programmed decision rules to determine if proposed actions are in the vicinity of protected natural resources. By indicating your agreement to the Terms of Use for this application, you warrant that you will not use this web site for any other purpose.

2. Unauthorized attempts to upload, download, or change information on this website are strictly prohibited and may be punishable under the Computer Fraud and Abuse Act of 1986 and/or the National Information Infrastructure Protection Act.

3. IDNR reserves the right to enhance, modify, alter, or suspend the website at any time without notice, or to terminate or restrict access.

Security

EcoCAT operates on a state of Illinois computer system. We may use software to monitor traffic and to identify unauthorized attempts to upload, download, or change information, to cause harm or otherwise to damage this site. Unauthorized attempts to upload, download, or change information on this server is strictly prohibited by law.

Unauthorized use, tampering with or modification of this system, including supporting hardware or software, may subject the violator to criminal and civil penalties. In the event of unauthorized intrusion, all relevant information regarding possible violation of law may be provided to law enforcement officials.

Privacy

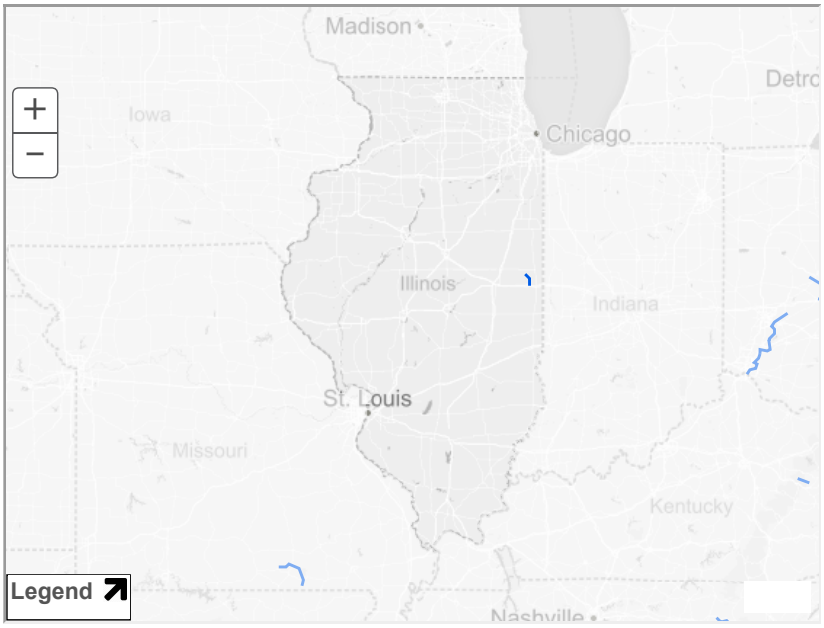
EcoCAT generates a public record subject to disclosure under the Freedom of Information Act. Otherwise, IDNR uses the information submitted to EcoCAT solely for internal tracking purposes.

APPENDIX 2-H:

WILD AND SCENIC RIVERS

ILLINOIS

Illinois has approximately 86,076 miles of river, of which 17.1 miles of one river are designated as wild & scenic—approximately 2/100ths of 1% of the state's river miles.



+ View larger map

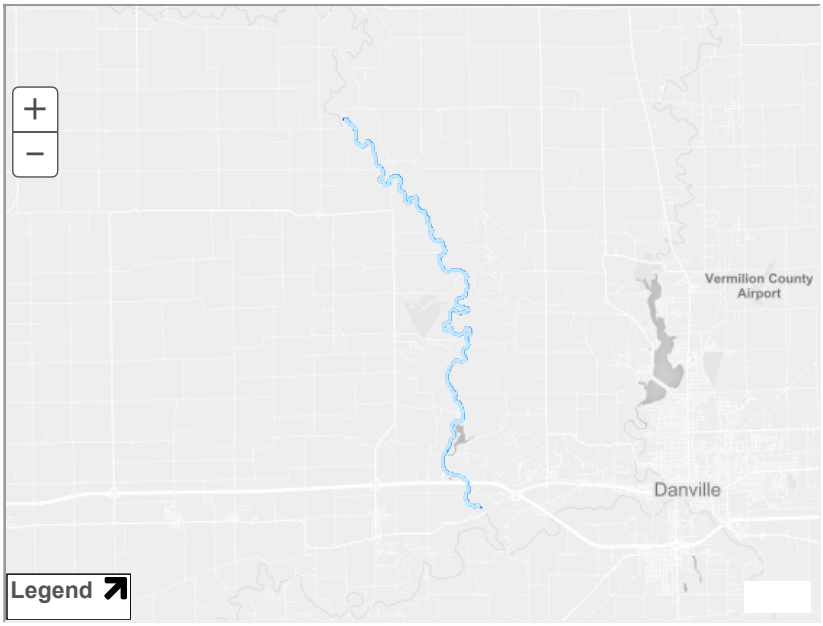
Choose A State ▾ Go

Choose A River ▾ Go

Nourished by the fertile soils of the region, rivers of the Midwest explode with life, from great avian migrations to ancient fishes.

Vermilion River

VERMILION RIVER (MIDDLE FORK), ILLINOIS



+ View larger map

Choose A State ▾ Go
Choose A River ▾ Go

Nourished by the fertile soils of the region, rivers of the Midwest explode with life, from great avian migrations to ancient fishes.

Managing Agency:

Illinois Department of Natural Resources

Designated Reach:

May 11, 1989. From river mile 46.9 near Collison downstream to river mile 29.8 at the Conrail Railroad crossing north of U.S. Highway 150.

Classification/Mileage:

Scenic — 17.1 miles; Total — 17.1 miles.

Photo Credit: Thomas O'Keefe

RELATED LINKS

Vermilion Scenic River (Illinois Department of Natural Resources)

Middle Fork Citizens' Organization

Vermilion River (Prairie Rivers Network)

Vermilion River (Middle Fork)

The river meanders deeply through Illinois' Grand Prairie glacial deposits, exposing scenic, steep, valley slopes with high bluffs of geological note. The valley's unique flora and fauna are highlighted in several adjacent natural areas and nature preserves, both forested and prairie, along with the river's recreational and historical characteristics. The majority of the designated river segment is publicly owned with a wide variety of access opportunities.

APPENDIX 2-I:

WETLANDS REPORT

Lewis, Yockey & Brown, Inc.
Consulting Engineers & Land Surveyors

155 South Elm Street
El Paso, Illinois 61738
Phone: (309) 527-2552
Fax: (309) 527-3230

505 North Main Street
Bloomington, Illinois 61701
Phone: (309) 829-2552
Fax: (309) 827-6861

222 East Center Street
LeRoy, Illinois 61752
Phone: (309) 962-8151
Fax: (309) 962-7503

October 23, 2018

U.S. Army Corps of Engineers
Clock Tower Building
P.O. Box 2004
Rock Island, IL 61204-2004

ATTN: Donna M. Jones, P.E.
Chief, Illinois/Missouri Section
Regulatory Branch

Re: Jurisdictional Determination
2020 Bunn Street
Bloomington, McLean County, IL

Dear Ms. Jones:

Please find enclosed executed U.S. Army Corps of Engineers (USACE) form Appendix I – Request for Corps Jurisdictional Determination (JD) for the above referenced subject location. I have also enclosed a recent screen print of the U.S. Fish and Wildlife Service (FWS) National Wetlands Inventory (11" x 17" dated 10/22/18) and a copy of our firm's Report of Wetlands Delineation dated September of 2015.

The delineation report for the subject project was not previously submitted nor a JD requested from USACE as the subject project did not materialize. The current landowner would like to modify the existing ponds in a manner as generally depicted in the attached schematic site plan exhibit dated 10/17/18. The pond(s) currently function as storm water management facilities, as a practicality of their unimproved status, and will continue to serve in that capacity as the property develops in the future. The location of the inflow and outflow points of the pond(s) will not be changed. The hatched area along and contiguous to the east and south boundary lines of the 20+/- acre parcel containing the pond(s) depicts the wetlands extents identified in our report.

Please review this information and contact me should you require further assistance in these regards.

Very Truly Yours,
Lewis, Yockey & Brown, Inc.

David P. Brown, PLS
President

Enclosure

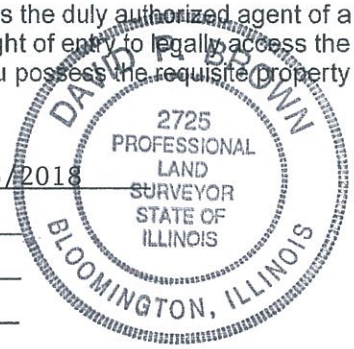
Cc: 4920.05

Appendix 1 - REQUEST FOR CORPS JURISDICTIONAL DETERMINATION (JD)

To: District Name Here Rock Island District

- I am requesting a JD on property located at: 2020 Bunn Street
  (Street Address)
  City/Township/Parish: Bloomington County: McLean State: IL
  Acreage of Parcel/Review Area for JD: 20 Ac. +/-
  Section: 15 Township: 23N. Range: 2E.
  Latitude (decimal degrees) 40°27'08" Longitude (decimal degrees): 88°58'38"
  (For linear projects, please include the center point of the proposed alignment.)
- Please attach a survey/plat map and vicinity map identifying location and review area for the JD.
- ___ I currently own this property. ___ I plan to purchase this property.
  _X_ I am an agent/consultant acting on behalf of the requestor.
  ___ Other (please explain): _____.
- Reason for request: (check as many as applicable)
  ___ I intend to construct/develop a project or perform activities on this parcel which would be designed to avoid all aquatic resources.
  ___ I intend to construct/develop a project or perform activities on this parcel which would be designed to avoid all jurisdictional aquatic resources under Corps authority.
  _X_ I intend to construct/develop a project or perform activities on this parcel which may require authorization from the Corps, and the JD would be used to avoid and minimize impacts to jurisdictional aquatic resources and as an initial step in a future permitting process.
  ___ I intend to construct/develop a project or perform activities on this parcel which may require authorization from the Corps; this request is accompanied by my permit application and the JD is to be used in the permitting process.
  ___ I intend to construct/develop a project or perform activities in a navigable water of the U.S. which is included on the district Section 10 list and/or is subject to the ebb and flow of the tide.
  _X_ A Corps JD is required in order to obtain my local/state authorization.
  _X_ I intend to contest jurisdiction over a particular aquatic resource and request the Corps confirm that jurisdiction does/does not exist over the aquatic resource on the parcel.
  ___ I believe that the site may be comprised entirely of dry land.
  ___ Other: _____
- Type of determination being requested:
  ___ I am requesting an approved JD.
  ___ I am requesting a preliminary JD.
  ___ I am requesting a "no permit required" letter as I believe my proposed activity is not regulated.
  _X_ I am unclear as to which JD I would like to request and require additional information to inform my decision.

By signing below, you are indicating that you have the authority, or are acting as the duly authorized agent of a person or entity with such authority, to and do hereby grant Corps personnel right of entry to legally access the site if needed to perform the JD. Your signature shall be an affirmation that you possess the requisite property rights to request a JD on the subject property.



*Signature: _____ Date: 10/23/2018

- Typed or printed name: David P. Brown, PLS
  Company name: Lewis, Yockey & Brown, Inc.
  Address: 505 N. Main Street
  Bloomington, IL 61701
  Daytime phone no.: (309) 829-2552
  Email address: Davidbrown@lybinc.com

*Authorities: Rivers and Harbors Act, Section 10, 33 USC 403; Clean Water Act, Section 404, 33 USC 1344; Marine Protection, Research, and Sanctuaries Act, Section 103, 33 USC 1413; Regulatory Program of the U.S. Army Corps of Engineers; Final Rule for 33 CFR Parts 320-332.
Principal Purpose: The information that you provide will be used in evaluating your request to determine whether there are any aquatic resources within the project area subject to federal jurisdiction under the regulatory authorities referenced above.
Routine Uses: This information may be shared with the Department of Justice and other federal, state, and local government agencies, and the public, and may be made available as part of a public notice as required by federal law. Your name and property location where federal jurisdiction is to be determined will be included in the approved jurisdictional determination (AJD), which will be made available to the public on the District's website and on the Headquarters USACE website.
Disclosure: Submission of requested information is voluntary; however, if information is not provided, the request for an AJD cannot be evaluated nor can an AJD be issued.

REPORT
OF
WETLANDS DELINEATION

PREPARED FOR:

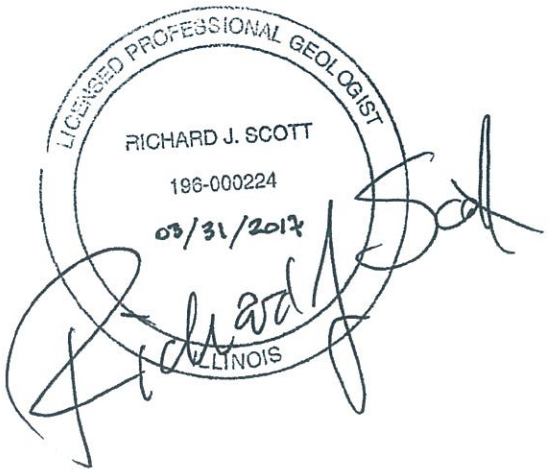
DESTIHL Brewery Development

Former Tri-Lakes and
Helmuth Storage Properties
Bloomington
McLean County, Illinois

September 16, 2015

PREPARED BY:

Lewis, Yockey & Brown, Inc.
Consulting Engineers & Land Surveyors
505 N. Main Street
Bloomington, IL 61701



Lewis, Yockey & Brown, Inc.
Consulting Engineers & Land Surveyors

155 South Elm Street
El Paso, Illinois 61738
Phone: (309) 527-2552
Fax: (309) 527-3230

505 North Main Street
Bloomington, Illinois 61701
Phone: (309) 829-2552
Fax: (309) 827-6861

222 East Center Street
LeRoy, Illinois 61752
Phone: (309) 962-8151
Fax: (309) 962-7503

September 16, 2015

Re: Wetlands Delineation
DESTIHL Site Development
Former Tri-Lakes and
Helmuth Storage Properties

A wetlands investigation has been conducted for the property referenced above. The total property is 23.25 acres in size, as defined by recently completed boundary surveys; however, the areas of concern are significantly smaller. The area where the access road and underground utilities are to cut across a National Wetlands Inventory (NWI) mapped wetlands area, attached hereto as Exhibit A, is less than two acres in size. The proposed work area extends along the Survey Baseline and roughly 50 feet on each side of the Baseline shown on DESTIHL Wetlands Map attached hereto as Exhibit G. This investigation also included the grassy area between the lakes and the wooded wetland area to the south and east of the lakes, also comprising less than two acres. Because the two areas investigated still total less than five acres combined, this investigation was conducted using the Routine Small Area method as prescribed by Army Corps of Engineers criteria. A Project Location map showing the area topography has been attached to this narrative report as Exhibit B.

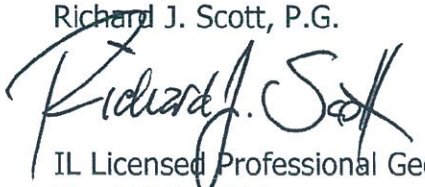
There are three distinct plant communities within the study area. The first is the wooded area south and east of the lakes. This entire community comprises approximately 2.8 acres and is located both on and off the subject property. The second plant community is the mowed lawn between the southern and eastern edges of the lakes and the wooded area beyond. The third plant community is the agricultural field currently planted in soybeans located on the southern end of the subject property.

This investigation was conducted in order to delineate the extent of the NWI mapped area designated as Palustrine Forested Broad-Leaved Deciduous Temporarily Flooded Wetlands (PFO1A) as shown on the U.S. Fish and Wildlife Service aerial map, attached hereto as Exhibit A and reiterated on the McLean County GIS designated wetlands aerial map attached as Exhibit C. The NWI mapped area designated as Palustrine Unconsolidated Bottom Intermittently Exposed (PUBG) was not investigated, as this is the designation for the three interconnected lakes. The investigation included a review of the soils found on the property, as shown on the Soil Map from the Web Soil Survey managed by the Natural Resources Conservation Service of the USDA (Exhibits D-1 through D-3, summarized in Exhibit D-4) and site sampling conducted within the three plant communities in order to confirm their status.

A total of six sampling locations were selected, as depicted on Exhibit G. Sampling location 1 was located within the row crop area. The soil and vegetation are both significantly disturbed in this area due to agricultural use so soil was defined using the Soil Map designation. Sampling locations 2, 3, and 4 are located within the mapped wetlands area and along and each side of the Survey Baseline alignment. Sampling location 5 is located in order to determine the southern extent of the wetlands area along the property line to the west of the proposed roadway and utilities alignment. Sampling location 6 is located in the lowest elevation of mowed grassy buffer between the lakes and the woods along the eastern property line. The soil and vegetation are both significantly disturbed in this area as well, as the soil is fill and the area is kept in maintained grass. Wetland Determination Data Forms for each of the sampling locations are attached hereto as Exhibits E-1 through E-12 and the vegetative data are detailed on Exhibits F-1 and F-2. The westward extent of the wetlands area was determined by visual observation of stream flow indicators only, and it does extend the wetlands area beyond the NWI mapped area.

In my professional opinion, portions of the site satisfy the criteria to be wetlands pursuant to the Army Corps of Engineers 1987 Wetlands Delineation Manual with subsequent clarification memoranda, the Army Corps of Engineers' 2010 Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Midwest Region (Version 2.0), and pursuant to confirmation by the Army Corps of Engineers. The wetland portions are cross-hatched in red on the DESTIHL Wetlands Map attached hereto as Exhibit G. The wetlands area on the subject property reflects but does not match the NWI mapped wetlands area at the subject site.

Sincerely,
Richard J. Scott, P.G.



IL Licensed Professional Geologist
No. 196.000224

enclosures

xc: LYB File 5033.01

U.S. Fish and Wildlife Service
National Wetlands Inventory

DESTIHL Brewery Development

Sep 8, 2015

Wetlands

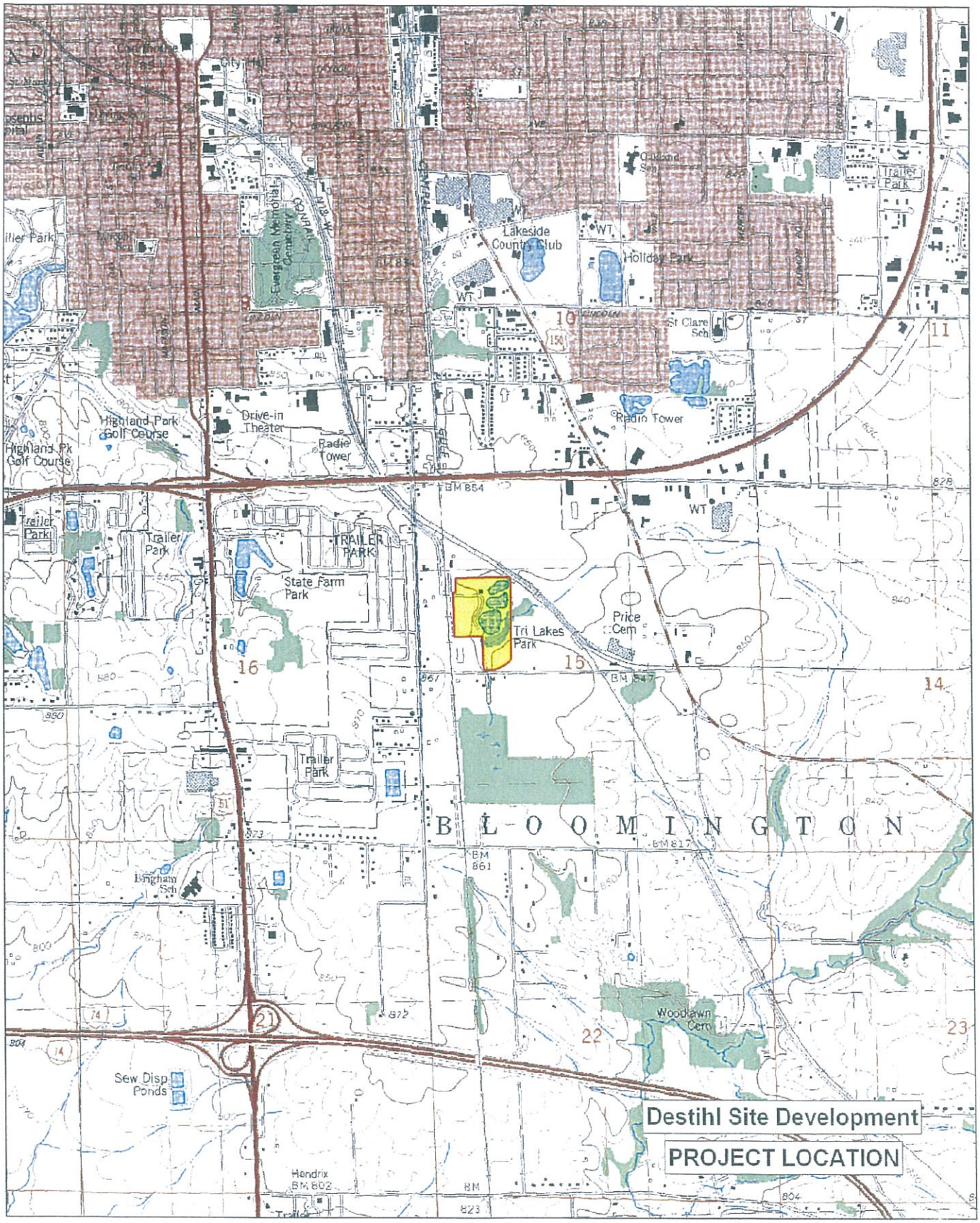
- Freshwater Emergent
- Freshwater Forested/Shrub
- Estuarine and Marine Deepwater
- Estuarine and Marine
- Freshwater Pond
- Lake
- Riverine
- Other

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

User Remarks:

Wetlands Mapper Designated NWI Areas

Exhibit A



Copyright © 2000 DeLorme. TopoTools Advanced Print Kit TE. Scale: 1 : 24,000 Zoom Level: 13-1 Datum: WGS84

2000 ft

Exhibit B

McLean County Regional GIS Consortium

0 0.05 0.1 Miles

1: 3,318

By using any McGIS products or services, you indicate your acceptance of the Licensing Agreement: http://www.McGIS.org/License

Printed: 9/1/2015 10:27:50 AM

Notes

Exhibit C

Soil Map—McLean County, Illinois
(Destihl Brewery Development)

Map Scale: 1:2,730 If printed on A portrait (8.5" x 11") sheet.

N

Meters: 0 40 80 160 240

Feet: 0 100 200 400 600

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 16N WGS84

USDA Natural Resources Conservation Service

Web Soil Survey
National Cooperative Soil Survey

Exhibit D-1

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:12,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL: http://websoilsurvey.nrcs.usda.gov
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: McLean County, Illinois
Survey Area Data: Version 10, Sep 13, 2014

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jun 16, 2011—Jul 9, 2011

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Exhibit D-2

Map Unit Legend

McLean County, Illinois (IL113)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
43A	Ipava silt loam, 0 to 2 percent slopes	9.2	32.8%
68A	Sable silty clay loam, 0 to 2 percent slopes	2.0	7.1%
171B	Catlin silt loam, 2 to 5 percent slopes	1.8	6.3%
171B2	Catlin silt loam, 2 to 5 percent slopes, eroded	1.2	4.1%
802B	Orthents, loamy, undulating	8.9	31.7%
W	Water	5.1	18.0%
Totals for Area of Interest		**28.1**	**100.0%**

Soils Mapped at the Site, per Soil Survey of McLean County

Subject to Periodic Inundation

Class. No.	Location on Site	Soil Name	Description	Hydric Classification	Wetland Plant Potential
68A	southern portion of site; within project area of concern	Sable silty clay loam	Mesic Typic Endoaquolls	hydric	good
802B	around lakes; within project area of concern	Orthents; modified soil	Mesic Aquic Udorthents	nonhydric; hydric in outwash plains	poor

Not Subject to Periodic Inundation

Class. No.	Location on Site	Soil Name	Description	Hydric Classification	Wetland Plant Potential
43A	western portion of site; outside area of concern	Ipava silt loam	Mesic Aquic Argiudolls	nonhydric; hydric in swales	fair
171B2	southwestern portion of site; outside area of concern	Catlin silt loam	Mesic Oxyaquic Argiudolls	nonhydric; hydric in swales	poor

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: PESTIHL SITE DEVELOPMENT City/County: BLOOMINGTON Sampling Date: 08/27/15

Applicant/Owner: _____ State: IL Sampling Point: 1

Investigator(s): RICHARD SCOTT Section, Township, Range: SECT 15 T23N R02E

Landform (hillslope, terrace, etc.): GROUND MORAINE Local relief (concave, convex, none): NONE

Slope (%): <2% Lat: 40°27'08" Long. 88°58'38" Datum. WGS1

Soil Map Unit Name: IPAVA SILT LOAM NWI classification: NONE

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks.)

Are Vegetation X, Soil X, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes _____ No X

Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes _____	No X	Is the Sampled Area within a Wetland? Yes _____ No X
Hydric Soil Present?	Yes _____	No X	
Wetland Hydrology Present?	Yes _____	No X	

Remarks:
SAMPLING LOCATION IS USED FOR ROW CROP PRODUCTION. NATURAL SOIL DEVELOPMENT AND VEGETATION ARE BOTH SIGNIFICANTLY DISTURBED. 70's°F FAIR

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status
1. NONE			
2.			
3.			
4.			
5.			
	_____ = Total Cover		
Sapling/Shrub Stratum (Plot size: _____)			
1. NONE			
2.			
3.			
4.			
5.			
	_____ = Total Cover		
Herb Stratum (Plot size: _____)			
1. SOYBEANS - GLYCINE MAX	100		
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
	_____ = Total Cover		
Woody Vine Stratum (Plot size: _____)			
1. NONE			
2.			
	_____ = Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: _____ (A)

Total Number of Dominant Species Across All Strata: _____ (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: _____ (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:	
OBL species	x 1 =	
FACW species	x 2 =	
FAC species	x 3 =	
FACU species	x 4 =	
UPL species	x 5 =	
Column Totals: (A)		(B)

Prevalence Index = B/A = _____

Hydrophytic Vegetation Indicators:

- ___ 1 - Rapid Test for Hydrophytic Vegetation
- ___ 2 - Dominance Test is >50%
- ___ 3 - Prevalence Index is ≤3.0[1]
- ___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- ___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes _____ No X

Remarks: (Include photo numbers here or on a separate sheet.)
VEGETATION DISTURBED BY AGRICULTURAL LAND USE.

SOIL

Sampling Point: 1

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ 2 cm Muck (A10)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ 5 cm Mucky Peat or Peat (S3)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ Coast Prairie Redox (A16)
- ___ Dark Surface (S7)
- ___ Iron-Manganese Masses (F12)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes _____ No X

Remarks:

SOIL DISTURBED BY PLOWING. SOIL SURVEY DESCRIBES THE SOIL UNIT AS NOT HYDRIC.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ True Aquatic Plants (B14)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Gauge or Well Data (D9)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes _____ No X Depth (inches): _____

Water Table Present? Yes _____ No X Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes _____ No X Depth (inches): _____

Wetland Hydrology Present? Yes _____ No X

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: DESTIHL SITE DEVELOPMENT City/County: BLOOMINGTON Sampling Date: 08/27/15

Applicant/Owner: State: IL Sampling Point: 2

Investigator(s): RICHARD SCOTT Section, Township, Range: SECT 15 T23N R02E

Landform (hillslope, terrace, etc.): BOTTOMS Local relief (concave, convex, none): CONCAVE

Slope (%): <2% Lat: 40°27'09" Long: 88°58'38" Datum: 849

Soil Map Unit Name: SABLE SILTY CLAY LOAM NWI classification: PFO1A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes X No _____

Are Vegetation _____, Soil X, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes X	No _____	Is the Sampled Area within a Wetland? Yes X No _____
Hydric Soil Present?	Yes X	No _____	
Wetland Hydrology Present?	Yes X	No _____	

Remarks:

70°F FAIR

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: r=30')	Absolute % Cover	Dominant Species?	Indicator Status
1. ACER SACCHARINUM	71	YES	FACW
2. FRAXINUS PENNSYLVANICA	27		FACW
3.			
4.			
5.			
	98	= Total Cover	

Sapling/Shrub Stratum (Plot size: r=30')			
1. FRAXINUS PENNSYLVANICA	1.5	YES	FACW
2. ACER SACCHARINUM	0.5	YES	FACW
3.			
4.			
5.			
	2	= Total Cover	

Herb Stratum (Plot size: r=5')			
1. ACER SACCHARINUM SEEDLINGS	<1	YES	FACW
2. CYPERUS STRIGOSIS	<1	YES	FACW
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
	<1	= Total Cover	

Woody Vine Stratum (Plot size: r=30')			
1. NONE			
2.			
		= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)

Total Number of Dominant Species Across All Strata: 3 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:	
OBL species	x 1 =	
FACW species 100	x 2 =	200
FAC species	x 3 =	
FACU species	x 4 =	
UPL species	x 5 =	
Column Totals: 100 (A)		200 (B)

Prevalence Index = B/A = 2

Hydrophytic Vegetation Indicators:

- ___ 1 - Rapid Test for Hydrophytic Vegetation
- X 2 - Dominance Test is >50%
- X 3 - Prevalence Index is ≤3.0[1]
- ___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- ___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes X No _____

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: 2

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-8	2.5/10G						LOAM	MANY ROOTLETS
8-16	2.5/10G						LOAM	FEW ROOTLETS

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- X Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ 2 cm Muck (A10)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ 5 cm Mucky Peat or Peat (S3)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- X Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ Coast Prairie Redox (A16)
- ___ Dark Surface (S7)
- ___ Iron-Manganese Masses (F12)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes X No ___

Remarks:

MOLLISOLS PROBLEM AREA.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- X Saturation (A3)
- X Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- X Inundation Visible on Aerial Imagery (B7)
- X Sparsely Vegetated Concave Surface (B8)
- X Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ True Aquatic Plants (B14)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Gauge or Well Data (D9)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- X Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ___ No X Depth (inches): ___

Water Table Present? Yes X No ___ Depth (inches): 14

Saturation Present? (includes capillary fringe) Yes X No ___ Depth (inches): 0

Wetland Hydrology Present? Yes X No ___

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: DESTINL SITE DEVELOPMENT City/County: BLOOMINGTON Sampling Date: 08/28/15
Applicant/Owner: State: IL Sampling Point: 3
Investigator(s): RICHARD SCOTT Section, Township, Range: SECT 15 T23N R02E
Landform (hillslope, terrace, etc.): BOTTOMS Local relief (concave, convex, none): CONCAVE
Slope (%): <2% Lat: 40°27'08" Long. 88°58'39" Datum: 849
Soil Map Unit Name: SABLE SILTY CLAY LOAM NWI classification: PFO1A
Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks.)
Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes X No _____
Are Vegetation _____, Soil X, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes X	No _____	Is the Sampled Area within a Wetland? Yes X No _____
Hydric Soil Present?	Yes X	No _____	
Wetland Hydrology Present?	Yes X	No _____	

Remarks:

80's °F SUNNY

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: r=30')	Absolute % Cover	Dominant Species?	Indicator Status
1. ACER SACCHARINUM	74	YES	FACW
2. FRAXINUS PENNSYLVANICA	21	YES	FACW
3. GLEDITSIA TRIACANTHOS	2		FACU
4.			
5.			
	97	= Total Cover	

Sapling/Shrub Stratum (Plot size: r=30')			
1. FRAXINUS PENNSYLVANICA	1.3	YES	FACW
2. ACER SACCHARINUM	0.7	YES	FACW
3.			
4.			
5.			
	2	= Total Cover	

Herb Stratum (Plot size: r=5')			
1. FRAXINUS PENNSYLVANICA	<1		FACW
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
	<1	= Total Cover	

Woody Vine Stratum (Plot size: r=30')			
1. NON			
2.			
	0	= Total Cover	

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)
Total Number of Dominant Species Across All Strata: 2 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:	
OBL species	x 1 =	
FACW species 98	x 2 =	196
FAC species	x 3 =	
FACU species 2	x 4 =	8
UPL species	x 5 =	
Column Totals: 100 (A)		204 (B)

Prevalence Index = B/A = 2.04

Hydrophytic Vegetation Indicators:
___ 1 - Rapid Test for Hydrophytic Vegetation
X 2 - Dominance Test is >50%
X 3 - Prevalence Index is ≤3.0[1]
___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes X No _____

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: 3

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-7	2.5/10G						LOAM	MANY ROOTLETS
8-18	2.5/10G						LOAM	FEW ROOTLETS

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- X Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ 2 cm Muck (A10)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ 5 cm Mucky Peat or Peat (S3)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- X Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ Coast Prairie Redox (A16)
- ___ Dark Surface (S7)
- ___ Iron-Manganese Masses (F12)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes X No _____

Remarks:

MOLLISOLS PROBLEM AREA.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required: check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- X Saturation (A3)
- X Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- X Inundation Visible on Aerial Imagery (B7)
- X Sparsely Vegetated Concave Surface (B8)
- X Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ True Aquatic Plants (B14)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Gauge or Well Data (D9)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- X Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes _____ No X Depth (inches): _____

Water Table Present? Yes _____ No X Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes X No _____ Depth (inches): 0

Wetland Hydrology Present? Yes X No _____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: DESTIHL SITE DEVELOPMENT City/County: BLOOMINGTON Sampling Date: 08/28/15

Applicant/Owner: State: IL Sampling Point: 4

Investigator(s): RICHARD SCOTT Section, Township, Range: SECT 15 T23N R02E

Landform (hillslope, terrace, etc.): BOTTOMS Local relief (concave, convex, none): CONCAVE

Slope (%): <2% Lat: 40°28'09" Long: 88°58'37" Datum: 849

Soil Map Unit Name: SABLE SILTY CLAY LOAM NWI classification: PFOIA

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes X No _____

Are Vegetation _____, Soil X, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes X	No _____	Is the Sampled Area within a Wetland? Yes X No _____
Hydric Soil Present?	Yes X	No _____	
Wetland Hydrology Present?	Yes X	No _____	

Remarks:

80's°F SUNNY

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: r=30')	Absolute % Cover	Dominant Species?	Indicator Status
1. ACER SACCHARINUM	56	YES	FACW
2. FRAXINUS PENNSYLVANICA	29	YES	FACW
3.			
4.			
5.			
	85 = Total Cover		
Sapling/Shrub Stratum (Plot size: r=30')			
1. FRAXINUS PENNSYLVANICA	10.6	YES	FACW
2. ACER SACCHARINUM	4.4	YES	FACW
3.			
4.			
5.			
	15 = Total Cover		
Herb Stratum (Plot size: r=5')			
1. NONE			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
	0 = Total Cover		
Woody Vine Stratum (Plot size: r=30')			
1. NONE			
2.			
	0 = Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:	
OBL species	x 1 =	
FACW species 100	x 2 =	200
FAC species	x 3 =	
FACU species	x 4 =	
UPL species	x 5 =	
Column Totals: 100 (A)		200 (B)

Prevalence Index = B/A = 2

Hydrophytic Vegetation Indicators:

- ___ 1 - Rapid Test for Hydrophytic Vegetation
- X 2 - Dominance Test is >50%
- X 3 - Prevalence Index is ≤3.0[1]
- ___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- ___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes X No _____

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: 4

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-6	2.5/10G						LOAM	MANY ROOTLETS
6-8	2.5/10G						LOAM	FEW ROOTLETS

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- X Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ 2 cm Muck (A10)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ 5 cm Mucky Peat or Peat (S3)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- X Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ Coast Prairie Redox (A16)
- ___ Dark Surface (S7)
- ___ Iron-Manganese Masses (F12)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes X No ___

Remarks:

MOLLISOLS PROBLEM AREA.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- X Saturation (A3)
- X Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- X Inundation Visible on Aerial Imagery (B7)
- X Sparsely Vegetated Concave Surface (B8)
- X Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ True Aquatic Plants (B14)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Gauge or Well Data (D9)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- X Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ___ No X Depth (inches): ___

Water Table Present? Yes X No ___ Depth (inches): 7

Saturation Present? (includes capillary fringe) Yes X No ___ Depth (inches): 0

Wetland Hydrology Present? Yes X No ___

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: DESTIHL SITE DEVELOPMENT City/County: BLOOMINGTON Sampling Date: 08/31/15

Applicant/Owner: State: IL Sampling Point: S

Investigator(s): RICHARD SCOTT Section, Township, Range: SECT 15 T23N R02E

Landform (hillslope, terrace, etc.): DRAINAGE DITCH Local relief (concave, convex, none): CONCAVE

Slope (%): < 2% Lat: 40°27'05" Long: 88°58'39" Datum: BSI

Soil Map Unit Name: SABLE SILTY CLAY LOAM NWI classification: NONE

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation ____, Soil X, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes X	No ____	Is the Sampled Area within a Wetland? Yes X No ____
Hydric Soil Present?	Yes X	No ____	
Wetland Hydrology Present?	Yes X	No ____	

Remarks:

80's°F PARTLY CLOUDY

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: r=30')	Absolute % Cover	Dominant Species?	Indicator Status
1. SALIX NIGRA	9.1	YES	OBL
2. FRAXINUS PENNSYLVANICA	3.0	YES	FACW
3. POPULUS DELTOIDES	1.8		FAC
4. ACER SACCHARINUM	1.1		FACW
5.			
	15	= Total Cover	

Sapling/Shrub Stratum (Plot size: r=30')			
1. SALIX NIGRA	2.1	YES	OBL
2. POPULUS DELTOIDES	1.5	YES	FAC
3. RUDBECKIA FULGIDA	0.6		OBL
4. ACER SACCHARINUM	0.5		FACW
5. FRAXINUS PENNSYLVANICA	0.2		FACW
	4.9	= Total Cover	

Herb Stratum (Plot size: r=5')			
1. CALAMAGROSTIS COARCTATA	76	YES	OBL
2. PHALARIS ARUNDINACEA	2.4		FACW
3. CORNUS SERICEA	1.6		FACW
4. TYPHA LATIFOLIA	<1		OBL
5.			
6.			
7.			
8.			
9.			
10.			
	80	= Total Cover	

Woody Vine Stratum (Plot size: r=30')			
1. TOXICODENDRON RADICANS	<1		FAC
2.			
	<1	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 4 (A)

Total Number of Dominant Species Across All Strata: 4 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	4	x 1 =	4
FACW species	4	x 2 =	8
FAC species	2	x 3 =	6
FACU species		x 4 =	
UPL species		x 5 =	
Column Totals:	10 (A)		18 (B)

Prevalence Index = B/A = 1.8

Hydrophytic Vegetation Indicators:

__ 1 - Rapid Test for Hydrophytic Vegetation

X 2 - Dominance Test is >50%

X 3 - Prevalence Index is ≤3.0[1]

__ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

__ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes X No ____

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: 5

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-12	2.5/10 G						MUCK	MANY ROOTLETS

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- X Black Histic (A3)
- X Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ 2 cm Muck (A10)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ 5 cm Mucky Peat or Peat (S3)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- X Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ Coast Prairie Redox (A16)
- ___ Dark Surface (S7)
- ___ Iron-Manganese Masses (F12)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes X No _____

Remarks:

MOLLISOLS PROBLEM AREA.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required, check all that apply)

- ___ Surface Water (A1)
- X High Water Table (A2)
- X Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- X Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ True Aquatic Plants (B14)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Gauge or Well Data (D9)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- X Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes _____ No X Depth (inches): _____

Water Table Present? Yes X No _____ Depth (inches): 4

Saturation Present? (includes capillary fringe) Yes X No _____ Depth (inches): 0

Wetland Hydrology Present? Yes X No _____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: DESTIHL SITE DEVELOPMENT City/County: BLOOMINGTON Sampling Date: 08/31/15
Applicant/Owner: State: IL Sampling Point: 6
Investigator(s): RICHARD SCOTT Section, Township, Range: SECT 15 T23N R02E
Landform (hillslope, terrace, etc.): TERRACE Local relief (concave, convex, none): NONE
Slope (%): <2% Lat: 40°27'13" Long: 88°58'36" Datum: 849
Soil Map Unit Name: ORTHENTS NWI classification: PFO1A
Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)
Are Vegetation ____, Soil X, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes X No ____
Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ____	No ____	
Hydric Soil Present?	Yes ____	No X	Is the Sampled Area within a Wetland? Yes ____ No X
Wetland Hydrology Present?	Yes ____	No X	

Remarks:

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: ____)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
	____ = Total Cover		
Sapling/Shrub Stratum (Plot size: ____)			
1.			
2.			
3.			
4.			
5.			
	____ = Total Cover		
Herb Stratum (Plot size: r=5')			
1. TRIFOLIUM REPENS	80	YES	FACU
2. PLANTAGO LANCEOLATA	7		FACU
3. POA PRETENSIS	3.3		FAC
4. LOLIUM PERENNE	3.3		FACU
5. FESTUCA RUBRA	3.3		FACU
6. GLECHOMA HEDERACEA	3.1		FACU
7.			
8.			
9.			
10.			
	100 = Total Cover		
Woody Vine Stratum (Plot size: ____)			
1.			
2.			
	____ = Total Cover		

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)
Total Number of Dominant Species Across All Strata: 1 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 0 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	____	x 1 =	____
FACW species	____	x 2 =	____
FAC species	1	x 3 =	3
FACU species	5	x 4 =	20
UPL species	____	x 5 =	____
Column Totals:	6 (A)		23 (B)

Prevalence Index = B/A = 3.8

Hydrophytic Vegetation Indicators:
___ 1 - Rapid Test for Hydrophytic Vegetation
___ 2 - Dominance Test is >50%
___ 3 - Prevalence Index is ≤3.0[1]
___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ____ No X

Remarks: (Include photo numbers here or on a separate sheet.)
VEGETATION CLASSIFICATION INCLUDED ONLY THE GRASSY STRIP BETWEEN THE LAKE AND THE WOODS. GRASS WAS MOWED – HAD TO ASSUME A BLUEGRASS/RYE/FESCUE BLEND.

SOIL

Sampling Point: 6

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ 2 cm Muck (A10)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ 5 cm Mucky Peat or Peat (S3)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ Coast Prairie Redox (A16)
- ___ Dark Surface (S7)
- ___ Iron-Manganese Masses (F12)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes _____ No X

Remarks:

SOIL IS FILL MATERIAL. LIGHT YELLOWISH BROWN SANDY/GRAVELLY SILT. NO HYDRIC SOIL INDICATORS.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ True Aquatic Plants (B14)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Gauge or Well Data (D9)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes _____ No X Depth (inches): _____

Water Table Present? Yes _____ No X Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes _____ No X Depth (inches): _____

Wetland Hydrology Present? Yes _____ No X

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

NO WATER, OR SATURATION OR MOIST SOIL TO DEPTH OF 14 INCHES.

SUMMARY OF VEGETATIVE COVER

SAMPLING LOCATION #2

Trees		count	avg. size	basal area (sq in)	percent cover	cumulative percent		
Silver Maple	*Acer saccharinum*	17	9.4	1179.76	83%	83%	dominant species	FACW
Green Ash	*Fraxinus pennsylvanica*	4	5.9	109.36	8%	90%		FACW
				1289.12				
Saplings/Shrubs								
Green Ash	*Fraxinus pennsylvanica*	14			6%	96%	dominant species	FACW
Silver Maple	*Acer saccharinum*	5			2%	98%	dominant species	FACW
		19						
Herbs (ground cover)								
Silver Maple	(seedlings)				1%	99%		FACW
Flat Sedge	*Cyperus strigosis*				1%	100%		FACW
Ground is mostly bare and covered with dead debris.								
Woody Vines								
none								

SAMPLING LOCATION #3

Trees		count	avg. size	basal area (sq in)	percent cover	cumulative percent		
Silver Maple	*Acer saccharinum*	39	7.9	1911.65	74%	74%	dominant species	FACW
Green Ash	*Fraxinus pennsylvanica*	10	8.4	554.18	21%	95%	dominant species	FACW
Honey Locust	*Gleditsia triacanthos*	1	8	50.27	2%	97%		FACU
				2516.09				
Saplings/Shrubs								
Green Ash	*Fraxinus pennsylvanica*	16			1%	98%	dominant species	FACW
Silver Maple	*Acer saccharinum*	9			1%	99%	dominant species	FACW
		25						
Herbs (ground cover)								
Green Ash	*Fraxinus pennsylvanica*				<1%	100%		FACW
Ground is mostly bare and covered with dead debris.								
Woody Vines								
none								

SAMPLING LOCATION #4

Trees		count	avg. size	basal area (sq in)	percent cover	cumulative percent		
Silver Maple	*Acer saccharinum*	15	11.2	1477.81	56%	56%	dominant species	FACW
Green Ash	*Fraxinus pennsylvanica*	8	11.1	774.15	29%	85%	dominant species	FACW
				2251.96				
Saplings/Shrubs								
Green Ash	*Fraxinus pennsylvanica*	5			11%	96%	dominant species	FACW
Silver Maple	*Acer saccharinum*	2			4%	100%	dominant species	FACW
		7						
Herbs (ground cover)								
none								
Woody Vines								
none								

SUMMARY OF VEGETATIVE COVER

SAMPLING LOCATION #5

Trees		count	avg. size	basal area (sq in)	percent cover	cumulative percent		
Black Willow	*Salix nigra*	5	13.4	705.13	9.1%	9%	dominant species	OBL
Eastern Cottonwood	*Populus deltoides*	3	4.3	43.57	1.8%	11%		FAC
Green Ash	*Fraxinus pennsylvanica*	1	22	380.13	3.0%	14%	dominant species	FACW
Silver Maple	*Acer saccharinum*	1	8	50.27	1.1%	15%		FACW
				1179.09	15.0%			
Saplings/Shrubs								
Black Willow	*Salix nigra*	13			2.1%	17%	dominant species	OBL
Eastern Cottonwood	*Populus deltoides*	9			1.5%	19%	dominant species	FAC
Orange Coneflower	*Rudbeckia fulgida*	4			0.6%	19%		OBL
Silver Maple	*Acer saccharinum*	3			0.5%	20%		FACW
Green Ash	*Fraxinus pennsylvanica*	2			0.2%	20%		FACW
		31			4.9%			
Herbs (ground cover)								
Nutall's Reed Grass	*Calamagrostis coarctata*			95.0%	76.0%	96%	dominant species	OBL
Reed Canary Grass	*Phalaris arundinacea*			3.0%	2.4%	98%		FACW
Red Osier Dogwood	*Cornus sericea*			2.0%	1.6%	100%		FACW
Common Cattail	*Typha latifolia*			<1%	<1%			OBL
					80%			
Woody Vines								
Poison Ivy	*Toxicodendron radicans*			<1%	<1%			FAC

SAMPLING LOCATION #6

Herbs (ground cover)[1]		percent cover	cumulative percent		
White Clover	*Trifoleum repens*	80.0%	80%	dominant species	FACU
English Plantain	*Plantago lanceolata*	7.0%	87%		FACU
Kentucky Blue Grass[2]	*Poa pratensis*	3.3%	90%		FAC
Perennial Rye Grass[2]	*Lolium perenne*	3.3%	94%		FACU
Red Fescue[2]	*Festuca rubra*	3.3%	97%		FACU
Creeping Charlie	*Glechoma hederacea*	3.1%	100%		FACU

[1] only the grassy strip located between the lakes and the wooded wetlands were considered in this classification.

[2] grass is kept mowed - assumed a typical blend of turf grass for identification.

SCALE: 1" = 50'

50 0 50 100

Lewis, Yockey & Brown, Inc.
Consulting Engineers & Land Surveyors
Professional Design Firm Registration #184.000800
505 North Main Street 222 East Center Street 155 South Elm Street
Bloomington, Illinois Lefley, Illinois El Paso, Illinois
Ph. (309) 829-2552 Ph. (309) 962-8151 Ph. (309) 527-2552

Rev.		Dr.	####
		Des.	####
		Chk.	####
		App.	####

WETLANDS MAP
DESTIHL EXHIBIT G

Sheet 1 of 1

5033.01

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS, ROCK ISLAND DISTRICT
PO BOX 2004 CLOCK TOWER BUILDING
ROCK ISLAND, ILLINOIS 61204-2004

REPLY TO
ATTENTION OF

December 19, 2018

Operations Division

SUBJECT: CEMVR-OD-P-2018-1330

RECEIVED
DEC 21 2018

Mr. David P. Brown, PLS
Lewis, Yockey & Brown, Inc.
Consulting Engineers & Land Surveyors
505 North Main Street
Bloomington, Illinois 61701

Dear Mr. Brown:

Our office reviewed all information provided to us concerning the request for a Jurisdictional Determination at the expansion site for the Henson Disposal and Recycling Center in Section 15, Township 23 North, Range 2 East, McLean County, Illinois.

Our office has completed an Approved Jurisdictional Determination (AJD) for your project area, and we determined there are 2.8 acres of forested wetland and 5 acres of deep water habitat present that are non-jurisdictional waters.

This letter contains an AJD for the subject property. If you object to this jurisdictional determination, you may request an administrative appeal under Corps regulations found at 33 CFR Part 331. Enclosed is a Notification of Appeal Process (NAP) fact sheet and Request for Appeal (RFA) form. If you request to appeal this approved jurisdictional determination, you must submit a completed RFA form to the Mississippi Valley Division Office at the following address:

Administrative Appeals Officer
U.S. Army Corps of Engineers
Mississippi Valley Division
ATTN: CEMVD-PD-KM
Post Office Box 80
Vicksburg, Mississippi 39181-0080

In order for an RFA to be accepted by the Corps, the Corps must determine that it is complete, that it meets the criteria for appeal under 33 CFR Part 331.5, and that it has been received by the Division Office within 60 days of the date of the NAP.

It is not necessary to submit an RFA form to the Division Office if you do not object to the approved jurisdictional determination contained in this letter.

You are advised that this determination for your project is valid for five years from the date of this letter. If the project is not completed within this five-year period or your project plans change, you should contact our office for another determination.

The Rock Island District Regulatory Branch is committed to providing quality and timely service to our customers. In an effort to improve customer service, please take a moment to complete the attached postcard and return it or go to our Customer Service Survey found on our web site at ***http://corpsmapu.usace.army.mil/cm_apex/f?p=regulatory_survey***. (Be sure to select "Rock Island District" under the area entitled: Which Corps office did you deal with?)

Finally, since we are unable to access the information on the thumb drive which was submitted to our office, we are returning it with this letter.

Should you have any questions, please contact our Regulatory Branch by letter, or call me at 309/794-5674.

Sincerely,

Gene W. Walsh

Gene W. Walsh
Project Manager
Illinois/Missouri Section
Regulatory Branch

Enclosures

Regulatory Program

INTERIM APPROVED JURISDICTIONAL DETERMINATION FORM
U.S. Army Corps of Engineers
This form should be completed by following the instructions provided
in the Interim Approved Jurisdictional Determination Form User Manual.

SECTION I: BACKGROUND INFORMATION

A. COMPLETION DATE FOR APPROVED JURISDICTIONAL DETERMINATION (AJD): 19-DEC 18

B. ORM NUMBER IN APPROPRIATE FORMAT (e.g., HQ-2015-00001-SMJ): CEMVR-OD-P-2018-1330

C. PROJECT LOCATION AND BACKGROUND INFORMATION:
State:IL County/parish/borough: McLean City: Bloomington
Center coordinates of site (lat/long in degree decimal format): Lat. 40.452222, Long. -88.977222.
Map(s)/diagram(s) of review area (including map identifying single point of entry (SPOE) watershed and/or potential jurisdictional areas where applicable) is/are: ☐ attached ☐ in report/map titled .
☐ Other sites (e.g., offsite mitigation sites, disposal sites, etc.) are associated with this action and are recorded on a different jurisdictional determination (JD) form. List JD form ID numbers (e.g., HQ-2015-00001-SMJ-1): .

D. REVIEW PERFORMED FOR SITE EVALUATION:
☐ Office (Desk) Determination Only. Date: .
☒ Office (Desk) and Field Determination. Office/Desk Dates: 18 DEC 18 Field Date(s): 07 NOV 18.

SECTION II: DATA SOURCES

Check all that were used to aid in the determination and attach data/maps to this AJD form and/or references/citations in the administrative record, as appropriate.
☒ Maps, plans, plots or plat submitted by or on behalf of the applicant/consultant. Title/Date: USGS Stream Stats, 11-27-2018, Site Plan, 10/17/2018.
☒ Data sheets prepared/submitted by or on behalf of the applicant/consultant.
☒ Data sheets/delineation report are sufficient for purposes of AJD form. Title/Date: Report of Wetland Delineation for Destihl Brewery Development, 09-16-2015.
☐ Data sheets/delineation report are not sufficient for purposes of AJD form. Summarize rationale and include information on revised data sheets/delineation report that this AJD form has relied upon: .
Revised Title/Date: .
☐ Data sheets prepared by the Corps. Title/Date: .
☐ Corps navigable waters study. Title/Date: .
☐ CorpsMap ORM map layers. Title/Date: .
☐ USGS Hydrologic Atlas. Title/Date: .
☐ USGS, NHD, or WBD data/maps. Title/Date: .
☐ USGS 8, 10 and/or 12 digit HUC maps. HUC number: .
☒ USGS maps. Scale & quad name and date: Bloomington East, IL 1981.
☒ USDA NRCS Soil Survey. Citation: Google Earth Overlay.
☒ USFWS National Wetlands Inventory maps. Citation: Bloomington East, IL 1987.
☐ State/Local wetland inventory maps. Citation: .
☒ FEMA/FIRM maps. Citation: ORM Overlay.
☐ Photographs: ☐ Aerial. Citation: . or ☐ Other. Citation: .
☐ LiDAR data/maps. Citation: .
☐ Previous JDs. File no. and date of JD letter: .
☐ Applicable/supporting case law: .
☐ Applicable/supporting scientific literature: .

☐ Other information (please specify):

SECTION III: SUMMARY OF FINDINGS

Complete ORM "Aquatic Resource Upload Sheet" or Export and Print the Aquatic Resource Screen from ORM for All Waters and Features, Regardless of Jurisdictional Status – Required

A. RIVERS AND HARBORS ACT (RHA) SECTION 10 DETERMINATION OF JURISDICTION:

☐ "*navigable waters of the U.S.*" within RHA jurisdiction (as defined by 33 CFR part 329) in the review area.

- **Complete Table 1 - Required**

NOTE: If the navigable water is not subject to the ebb and flow of the tide or included on the District's list of Section 10 navigable waters list, DO NOT USE THIS FORM TO MAKE THE DETERMINATION. The District must continue to follow the procedure outlined in 33 CFR part 329.14 to make a Section 10 RHA navigability determination.

B. CLEAN WATER ACT (CWA) SECTION 404 DETERMINATION OF JURISDICTION: "*waters of the U.S.*" within CWA jurisdiction (as defined by 33 CFR part 328.3) in the review area. **Check all that apply.**

☐ (a)(1): All waters which are currently used, were used in the past, or may be susceptible to use in interstate or foreign commerce, including all waters which are subject to the ebb and flow of the tide. (Traditional Navigable Waters (TNWs))

- **Complete Table 1 - Required**

☐ This AJD includes a case-specific (a)(1) TNW (Section 404 navigable-in-fact) determination on a water that has not previously been designated as such. Documentation required for this case-specific (a)(1) TNW determination is attached.

☐ (a)(2): All interstate waters, including interstate wetlands.

- **Complete Table 2 - Required**

☐ (a)(3): The territorial seas.

- **Complete Table 3 - Required**

☐ (a)(4): All impoundments of waters otherwise identified as waters of the U.S. under 33 CFR part 328.3.

- **Complete Table 4 - Required**

☐ (a)(5): All tributaries, as defined in 33 CFR part 328.3, of waters identified in paragraphs (a)(1)-(a)(3) of 33 CFR part 328.3.

- **Complete Table 5 - Required**

☐ (a)(6): All waters adjacent to a water identified in paragraphs (a)(1)-(a)(5) of 33 CFR part 328.3, including wetlands, ponds, lakes, oxbows, impoundments, and similar waters.

- **Complete Table 6 - Required**

☐ Bordering/Contiguous.

Neighboring:

☐ (c)(2)(i): All waters located within 100 feet of the ordinary high water mark (OHWM) of a water identified in paragraphs (a)(1)-(a)(5) of 33 CFR part 328.3.

☐ (c)(2)(ii): All waters located within the 100-year floodplain of a water identified in paragraphs (a)(1)-(a)(5) of 33 CFR part 328.3 and not more than 1,500 feet of the OHWM of such water.

☐ (c)(2)(iii): All waters located within 1,500 feet of the high tide line of a water identified in paragraphs (a)(1) or (a)(3) of 33 CFR part 328.3, and all waters within 1,500 feet of the OHWM of the Great Lakes.

☐ (a)(7): All waters identified in 33 CFR 328.3(a)(7)(i)-(v) where they are determined, on a case-specific basis, to have a significant nexus to a water identified in paragraphs (a)(1)-(a)(3) of 33 CFR part 328.3.

- **Complete Table 7 for the significant nexus determination. Attach a map delineating the SPOE watershed boundary with (a)(7) waters identified in the similarly situated analysis. - Required**

☐ Includes water(s) that are geographically and physically adjacent per (a)(6), but are being used for established, normal farming, silviculture, and ranching activities (33 USC Section 1344(f)(1)) and therefore are not adjacent and require a case-specific significant nexus determination.

☐ (a)(8): All waters located within the 100-year floodplain of a water identified in paragraphs (a)(1)-(a)(3) of 33 CFR part 328.3 not covered by (c)(2)(ii) above and all waters located within 4,000 feet of the high tide line or OHWM of a water identified in paragraphs (a)(1)-(a)(5) of 33 CFR part 328.3 where they are determined on a case-specific basis to have a significant nexus to a water identified in paragraphs (a)(1)-(a)(3) of 33 CFR part 328.3.

- **Complete Table 8 for the significant nexus determination. Attach a map delineating the SPOE watershed boundary with (a)(8) waters identified in the similarly situated analysis. - Required**

☐ Includes water(s) that are geographically and physically adjacent per (a)(6), but are being used for established, normal farming, silviculture, and ranching activities (33 USC Section 1344(f)(1)) and therefore are not adjacent and require a case-specific significant nexus determination.

C. NON-WATERS OF THE U.S. FINDINGS:

Check all that apply.

☐ The review area is comprised entirely of dry land.

☐ Potential-(a)(7) Waters: Waters that DO NOT have a significant nexus to a water identified in paragraphs (a)(1)-(a)(3) of 33 CFR part 328.3.

- **Complete Table 9 and attach a map delineating the SPOE watershed boundary with potential (a)(7) waters identified in the similarly situated analysis. - Required**

☐ Includes water(s) that are geographically and physically adjacent per (a)(6), but are being used for established, normal farming, silviculture, and ranching activities (33 USC Section 1344(f)(1)) and therefore are not adjacent and require a case-specific significant nexus determination.

☐ Potential-(a)(8) Waters: Waters that DO NOT have a significant nexus to a water identified in paragraphs (a)(1)-(a)(3) of 33 CFR part 328.3.

- **Complete Table 9 and attach a map delineating the SPOE watershed boundary with potential (a)(8) waters identified in the similarly situated analysis. - Required**

☐ Includes water(s) that are geographically and physically adjacent per (a)(6), but are being used for established, normal farming, silviculture, and ranching activities (33 USC Section 1344(f)(1)) and therefore are not adjacent and require a case-specific significant nexus determination.

☐ Excluded Waters (Non-Waters of U.S.), even where they otherwise meet the terms of paragraphs (a)(4)-(a)(8):

- **Complete Table 10 - Required**

☐ (b)(1): Waste treatment systems, including treatment ponds or lagoons designed to meet the requirements of the CWA.

☐ (b)(2): Prior converted cropland.

☐ (b)(3)(i): Ditches with ephemeral flow that are not a relocated tributary or excavated in a tributary.

☐ (b)(3)(ii): Ditches with intermittent flow that are not a relocated tributary, excavated in a tributary, or drain wetlands.

☐ (b)(3)(iii): Ditches that do not flow, either directly or through another water, into a water identified in paragraphs (a)(1)-(a)(3).

☐ (b)(4)(i): Artificially irrigated areas that would revert to dry land should application of water to that area cease.

☐ (b)(4)(ii): Artificial, constructed lakes and ponds created in dry land such as farm and stock watering ponds, irrigation ponds, settling basins, fields flooded for rice growing, log cleaning ponds, or cooling ponds.

☐ (b)(4)(iii): Artificial reflecting pools or swimming pools created in dry land.[1]

☐ (b)(4)(iv): Small ornamental waters created in dry land.[1]

☐ (b)(4)(v): Water-filled depressions created in dry land incidental to mining or construction activity, including pits excavated for obtaining fill, sand, or gravel that fill with water.

☐ (b)(4)(vi): Erosional features, including gullies, rills, and other ephemeral features that do not meet the definition of tributary, non-wetland swales, and lawfully constructed grassed waterways.[1]

☐ (b)(4)(vii): Puddles.[1]

☐ (b)(5): Groundwater, including groundwater drained through subsurface drainage systems.[1]

☐ (b)(6): Stormwater control features constructed to convey, treat, or store stormwater that are created in dry land.[1]

☐ (b)(7): Wastewater recycling structures created in dry land; detention and retention basins built for wastewater recycling; groundwater recharge basins; percolation ponds built for wastewater recycling; and water distributary structures built for wastewater recycling.

☒ Other non-jurisdictional waters/features within review area that do not meet the definitions in 33 CFR 328.3 of (a)(1)-(a)(8) waters and are not excluded waters identified in (b)(1)-(b)(7).

- **Complete Table 11 - Required.**

D. ADDITIONAL COMMENTS TO SUPPORT AJD: A recent field investigation documented an outlet pipe situated 2-3 feet above the elevation of the adjacent land on the northern end of the manmade lagoon system. Water only discharges from the pipe during high water events, and there is no continuous or perennial flow from the lagoons into the adjacent wetland. Water flows from the emergent/forested wetland complex into a culvert under the railroad tracks and then into an underground storm sewer system. There is no surface connection between the lagoons and

[1] In many cases these excluded features will not be specifically identified on the AJD form, unless specifically requested. Corps Districts may, in case-by-case instances, choose to identify some or all of these features within the review area.

the nearest downstream water of the U.S. (i.e., Little Kickapoo Creek) which is located almost 1.5 miles to the northeast of the project site. Water flows through the storm sewer system into a stormwater basin and then eventually into Little Kickapoo Creek.

Jurisdictional Waters of the U.S.

Default field entry is "N/A". Delete "N/A" and fill out all fields in the table where applicable for waters/features present in the review area.

Table 1. (a)(1) Traditional Navigable Waters

(a)(1) Waters Name	(a)(1) Criteria	Rationale to Support (a)(1) Designation Include High Tide Line or Ordinary High Water Mark indicators, when applicable.
N/A	Choose an item.	N/A

Table 2. (a)(2) Interstate Waters

(a)(2) Waters Name	Rationale to Support (a)(2) Designation
N/A	N/A

Table 3. (a)(3) Territorial Seas

(a)(3) Waters Name	Rationale to Support (a)(3) Designation
N/A	N/A

Table 4. (a)(4) Impoundments

(a)(4) Waters Name	Rationale to Support (a)(4) Designation
N/A	N/A
N/A	N/A

Table 5. (a)(5)Tributaries

(a)(5) Waters Name	Flow Regime	(a)(1)-(a)(3) Water Name to which this (a)(5) Tributary Flows	Tributary Breaks	Rationale for (a)(5) Designation and Additional Discussion. Identify flowpath to (a)(1)-(a)(3) water or attach map identifying the flowpath; explain any breaks or flow through excluded/non-jurisdictional features, etc.
N/A	Choose an item.	N/A	Choose an item.	N/A
N/A	Choose an item.	N/A	Choose an item.	N/A
N/A	Choose an item.	N/A	Choose an item.	N/A
N/A	Choose an item.	N/A	Choose an item.	N/A

Table 6. (a)(6) Adjacent Waters

(a)(6) Waters Name	(a)(1)-(a)(5) Water Name to which this Water is Adjacent	Rationale for (a)(6) Designation and Additional Discussion. Identify the type of water and how the limits of jurisdiction were established (e.g., wetland, 87 Manual/Regional Supplement); explain how the 100-year floodplain and/or the distance threshold was determined; whether this water extends beyond a threshold; explain if the water is part of a mosaic, etc.
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Table 7. (a)(7) Waters

SPOE Name	(a)(7) Waters Name	(a)(1)-(a)(3) Water Name to which this Water has a Significant Nexus	Significant Nexus Determination Identify SPOE watershed; discuss whether any similarly situated waters were present and aggregated for SND; discuss data, provide analysis, and summarize how the waters have more than speculative or insubstantial effect on the physical, chemical, or biological integrity of the (a)(1)-(a)(3) water, etc.
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Table 8. (a)(8) Waters

SPOE Name	(a)(8) Waters Name	(a)(1)-(a)(3) Water Name to which this Water has a Significant Nexus	Significant Nexus Determination Identify SPOE watershed; explain how 100-yr floodplain and/or the distance threshold was determined; discuss whether waters were determined to be similarly situated to subject water and aggregated for SND; discuss data, provide analysis, and then summarize how the waters have more than speculative or insubstantial effect the on the physical, chemical, or biological integrity of the (a)(1)-(a)(3) water, etc.
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Non-Jurisdictional Waters

Default field entry is "N/A". Delete "N/A" and fill out all fields in the table where applicable for waters/features present in the review area.

Table 9. Non-Waters/No Significant Nexus

SPOE Name	Non-(a)(7)/(a)(8) Waters Name	(a)(1)-(a)(3) Water Name to which this Water DOES NOT have a Significant Nexus	Basis for Determination that the Functions DO NOT Contribute Significantly to the Chemical, Physical, or Biological Integrity of the (a)(1)-(a)(3) Water. Identify SPOE watershed; explain how 100-yr floodplain and/or the distance threshold was determined; discuss whether waters were determined to be similarly situated to the subject water; discuss data, provide analysis, and summarize how the waters did not have more than a speculative or insubstantial effect on the physical, chemical, or biological integrity of the (a)(1)-(a)(3) water.
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Table 10. Non-Waters/Excluded Waters and Features

Paragraph (b) Excluded Feature/Water Name	Rationale for Paragraph (b) Excluded Feature/Water and Additional Discussion.
N/A	N/A
N/A	N/A

Table 11. Non-Waters/Other

Other Non-Waters of U.S. Feature/Water Name	Rationale for Non-Waters of U.S. Feature/Water and Additional Discussion.
2018-1330a (Deep Water Habitat), 2018-1330b (Forested Wetland)	The lagoon system comprised on three interconnected ponds (2018-1330a) and the adjacent forested wetland (2018-1330b) were determined to be non-jurisdictional under the 2015 Rule because they are located outside the 4000-foot threshold of other waters of the U.S., and they are located outside the 100-year floodplain of Little Kickapoo Creek. (See attached topo map and satellite image.)

Successfully Reopened.

DA Number: MVR-2018-01330-EWW (Destihl Brewery Development)
Applicant: No Applicant Found (Agent: David Brown (Lewis, Yockey & Brown, Inc.))

CWR Aquatic Resource ILLINOIS

1. Aquatic Resource Name*	2018-1330a
2. Cowardin System*	Lacustrine
2.1 Cowardin Class*	L1-LACUSTRINE, LIMNETIC
3. Aquatic Resource Type*	Other non-jurisdictional waters/features - Outside the distance threshold or 100 yr floodplain
4. HGM Class	- Please Select a Value -
5. Local Waterway Name	
6. Measurement Type*	Area
6.1 Area	5
6.2 Area Units	Acres
7. Geometry*	Complete
7.1 Create/Edit Geometry From*	Enter Coordinates
7.2 Spatial Reference Type	Lat/Lon
7.2.1 Coordinate System	Longitude / Latitude (NAD 83)
7.3 Site Coordinate (Y or Latitude)	40.4543703269227
7.4 Site Coordinate (X or Longitude)	-88.9768749004087

(Longitude Negative in Western Hemisphere)

Save & Refine w/CM2 Map

Degrees Minutes Seconds

Latitude: ° ' "
Longitude: ° ' "

Convert to DD

Commands

Save Finalize Return to List

Successfully Reopened.

DA Number: MVR-2018-01330-EWW (Destihl Brewery Development)
Applicant: No Applicant Found (Agent: David Brown (Lewis, Yockey & Brown, Inc.))

CWR Aquatic Resource ILLINOIS

1. Aquatic Resource Name*	2018-1330b
2. Cowardin System*	Palustrine
2.1 Cowardin Class*	PFO-PALUSTRINE, FORESTED
3. Aquatic Resource Type*	Other non-jurisdictional waters/features - Outside the distance threshold or 100 yr floodplain
4. HGM Class	- Please Select a Value -
5. Local Waterway Name	
6. Measurement Type*	Area
6.1 Area	2.8
6.2 Area Units	Acres
7. Geometry*	Complete
7.1 Create/Edit Geometry From*	Enter Coordinates
7.2 Spatial Reference Type	Lat/Lon
7.2.1 Coordinate System	Longitude / Latitude (NAD 83)
7.3 Site Coordinate (Y or Latitude)	40.4529562028443
7.4 Site Coordinate (X or Longitude)	-88.9768541724887
	(Longitude Negative in Western Hemisphere)

Save & Refine w/CM2 Map

Degrees Minutes Seconds

Latitude: ° ' "
Longitude: ° ' "

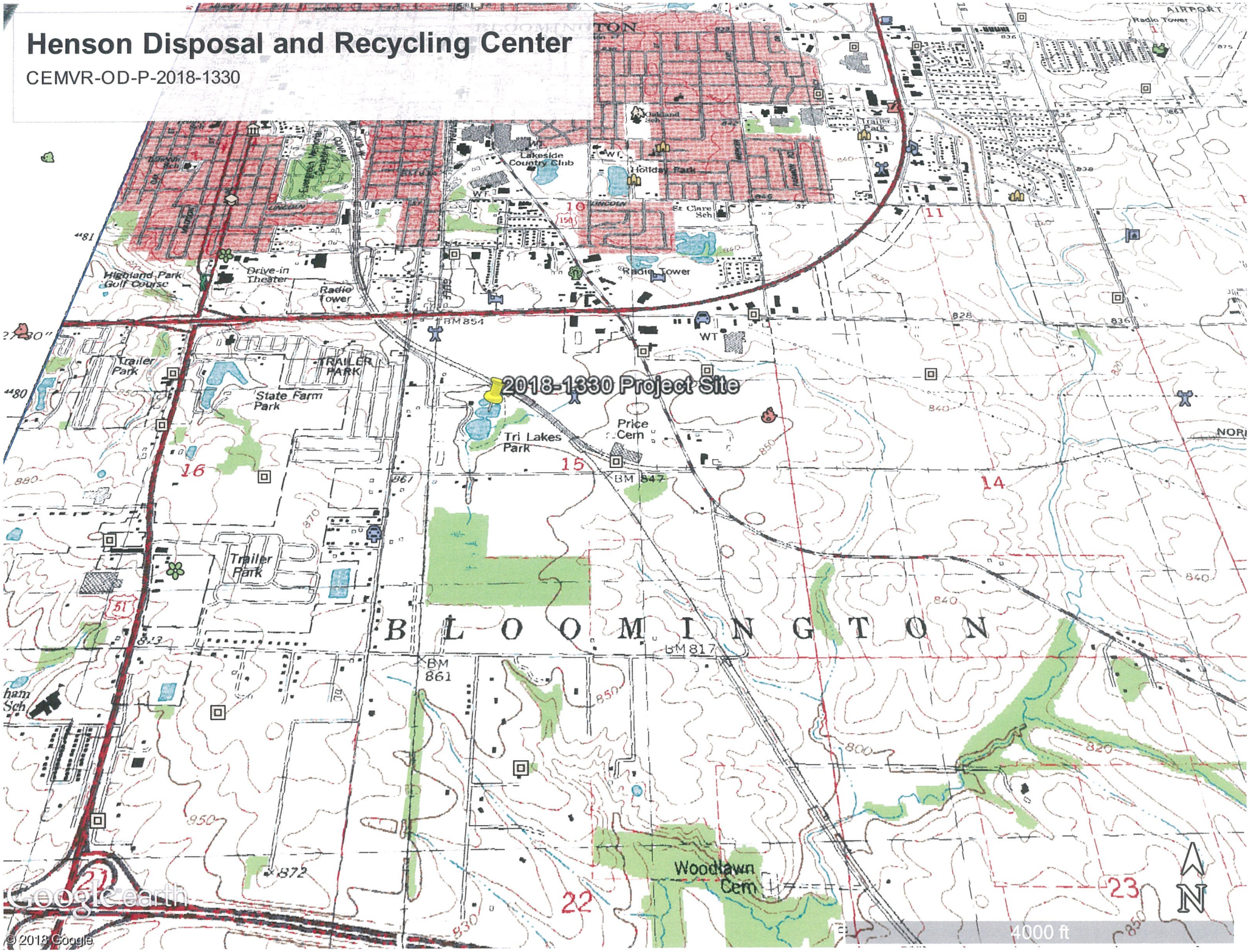
Convert to DD

Commands

Save Finalize Return to List

Henson Disposal and Recycling Center

CEMVR-OD-P-2018-1330



Henson Disposal and Recycling Center

CEMVR-OD-P-2018-1330

APPENDIX 2-J:

THOROUGHPUT ANALYSIS

Throughput Analysis

I. GENERAL

Lakeshore Recycling Systems, LLC is submitting an application for local siting approval for a proposed solid waste transfer station in unincorporated McLean County. The application is prepared in accordance with Section 39.2 of the Illinois Environmental Protection Act.

The purpose of this throughput analysis is to verify that the facility is designed to accommodate the traffic associated with the maximum daily average of 400 tons/day. This analysis will evaluate two areas. Vehicle staking/queuing at the inbound scale, and the throughput and queuing associated with the operation of the transfer station.

A. Vehicle Stacking/Queuing at the Scale

1. Purpose

The purpose of this portion of the analysis is to determine vehicle stacking on the site to verify the site design will accommodate the anticipated traffic. Key data for this evaluation includes:

a. The peak tonnage is maximum daily average of 400 tons/day.
b. The peak hour for incoming traffic is estimated to be from 10-11 a.m.
c. Only loaded inbound collector trucks will scale on the internal access road scale. All other vehicles will bypass the scales.
d. The peak 10-11 a.m. hour on a day when the facility receives 400 tons/day will have an estimated incoming collector truck volume of 8 collector trucks/hour.
e. Utilize a peak hourly volume of 8 collector trucks/hour. This results in one collector truck every 7.5 minutes on average.
f. Apply a peaking factor of 2 to the peak 15 minutes in the peak hour. This results in 1 truck every 3.75 minutes for the peak 15 minutes for a total of 4 collector trucks in 15 minutes as an extremely conservative estimate for the peak 15 minute inbound traffic.
g. Trucks complete the scaling process at a rate of 1 truck every 2 minutes across modern scales.
h. Collector trucks average 30' in length. With over 180' of access road, 6 collector trucks can stack behind the scale with no encroachment on HDI Court.

2. Computation of Maximum Vehicle Stacking

The computation of the maximum number of collector trucks which will stack behind the access road scale is straightforward. The computation will be made for both the peak 15 minutes of the peak hour and the peak hour. To be conservative, the maximum daily average of 400 tons per day will be utilized.

2.1 Peak 15 Minute Stacking

a. 4 collector trucks arrive. (See 1.g above)
b. At one truck/2minutes, all the trucks will scale in the peak 15 minute period.
c. 4 arrivals – 4 trucks across the scale yields:

0 trucks stacked for the peak 15 minutes of the peak hour

This is less than the capacity of 6 trucks.

2.2 Peak Hour Average Stacking

a. 8 collector trucks arrive in the peak hour.
b. Trucks can scale at 1 truck/2 minutes = capacity of 30 trucks/hour.
c. Since the average rate of arrival over the peak hour is 8 trucks/hour and the capacity to scale trucks is 30 trucks/hour, there will be no stacking for the peak hour on average.

3. Conclusion

The access road allows for a total of 6 collector trucks to stack behind the scale. An evaluation of both the peak hour and the peak 15 minute interval indicate sufficient room for vehicle stacking on the site access road with no encroachment onto HDI Court.

B. Facility Throughput

Section A of this analysis demonstrates that the ability to scale incoming collector vehicles exceeds the peak arrival frequency for the peak hour of the maximum daily average of 400 tons per day. An analysis of the facility throughput capacity will include an evaluation of:

- The capacity to load outbound transfer trailers
- The capacity to tip incoming collector vehicles in the facility
- The storage of waste on the tipping floor or in queue

Analysis of these three parameters follows.

1. Outbound Transfer Trailers

Since incoming empty transfer trailers will by-pass the scales, they will be unimpeded to enter the site and queue for preparation to enter the load-out bay of the transfer station building. Time to back into the load-out pit will typically be 1-2 minutes. The time to load a transfer trailer will typically be 12-15 minutes, with a conservative allowance of an additional 2-3 minutes for the driver to tarp his load utilizing auto tarpers and exit the facility. As such, the total time to back into the load-out pit, load and tarp a transfer trailer is estimated at a maximum of 20 minutes. Utilizing the high value of 20 minutes per transfer trailer is a conservative estimate. This yields a capacity of 3 transfer trailers/hour for the transfer station facility. As can be seen by examining Attachment 1, an assumption of a maximum of 2 transfer trailers per hour is utilized during the peak. This is a conservative assumption since the capacity is 3 transfer trailers per hour using the greatest time required per task with the transfer trailer cycling times with a factor of safety of 1.5. In addition, there is sufficient room to queue 3 empty transfer trailers onsite to assure timely loading of the outgoing transfer trailers.

2. Collector Vehicle Unloading

The unloading of collector vehicles onto the tipping floor will occur via access to one of three 26' tall overhead doors on the east side of the transfer station building. It is estimated that an average of approximately 5-7 minutes will be required for a queued vehicle to enter, discharge the load, and exit the building. This yields an estimated

capacity of 9 vehicles per hour per door, or a total capacity to unload collector vehicles of 27 vehicles per hour. To be conservative, this analysis will assume a 20% increase in the estimated time to unload a vehicle and utilize 8.4 minutes per collector vehicle. This yields an hourly capacity of 7 vehicles per door per hour for a total capacity of 21 collector vehicles per hour. At the anticipated maximum throughput of 400 tons per day, the maximum hourly collector vehicle arrival rate is 8 vehicles per hour. Given that the facility has a design which conservatively allows for unloading 21 collector vehicles per hour, there is excess capacity for the peak hour of the maximum daily average of 400 tons/day.

3. Tipping Floor Storage Capacity

An examination of Attachment 1 indicates that the maximum tipping floor storage required is 36 tons or 180 cubic yards for the estimated peak throughput of 400 tons per day. The tipping floor storage capacity is 400 cubic yards, which is 222% of the estimated maximum required storage capacity.

C. Summary of Throughput Analysis

The throughput capacity of the proposed facility has been evaluated for multiple parameters. The estimated facility maximum daily average of 400 tons per day has been evaluated. The table below summarize the previously presented analysis by parameter and confirm that the throughput capacity of the facility as designed is sufficient for the estimated tonnages.

Table 1. Summary Table – Throughput Analysis – 400 TPD

Parameter	Estimated Peak Requirement at 400 TPD Average	Design Capacity	Excess Capacity	Percentage of Required Capacity Provided
Peak Hour Collector Vehicle Stacking at Scale	0 trucks/hr	6 trucks/hr	6 trucks/hr	>1000%
Peak 15 Minute Collector Vehicle Stacking at Scale	0 collector trucks/peak 15 minutes	6 collector trucks	6 collector trucks	>1000%
Outbound Transfer Trailers	2 transfer trailers/hr	3 transfer trailers/hr	1 transfer trailers/hr	150%
Collector Vehicle Unloading	8 collector vehicles/hr	21 collector vehicles/hr	13 collector vehicles/hr	263%
Facility storage	180 cy	400 cy	220 cy	222%

Examination of the summary table indicates that the critical element for the throughput analysis is the ability to load outbound transfer trailers. The analysis confirms excess capacity for this critical element for the maximum estimated throughput day at the peak hour. There is sufficient queuing space onsite to allow for staging of 3 transfer trailers during the peak hour.

II. SUMMARY AND CONCLUSIONS

The throughput capability of the facility has been evaluated for the peak hour for the maximum daily average of 400 tons per day. The analysis utilized conservative assumptions for key parameters. The analysis confirms the designed throughput capacity of the facility exceeds the estimated peak hourly volumes to be received at the facility.

ATTACHMENT 1

HRC TRANSFER STATION
PROJECTED MATERIAL PROCESSING AND TRAFFIC VOLUMES

Time (Hour Beginning)	Collection Vehicle Distribution		Municipal Solid Waste Delivered									Municipal Solid Waste Transferred				Required Tip Floor Storage	
	Hour Incoming		Hour Incoming				Total Hourly Incoming			Cumulative Incoming		Hourly Transferred			Hourly Truck Volumes		
	Packer (trucks)	Roll-off (trucks)	Packer (trucks)	Packer (tons)	Roll-off (trucks)	Roll-off (tons)	Trucks	Tons	yd^3	Tons	yd^3	Trucks	Tons	yd^3	(trucks)	Tons	yd^3
12:00 AM	0.0%	0.0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1:00 AM	0.0%	0.0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2:00 AM	0.0%	0.0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:00 AM	0.0%	0.0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:00 AM	0.0%	0.0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 AM	0.0%	0.0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:00 AM	1.8%	0.0%	1	8	0	0	1	8	40	8	40	0	0	0	1	8	40
7:00 AM	3.6%	1.8%	2	16	1	4	3	20	100	28	140	1	24	120	4	4	20
8:00 AM	7.1%	3.6%	4	32	2	8	6	40	200	68	340	1	24	120	7	20	100
9:00 AM	8.9%	1.8%	5	40	1	4	6	44	220	112	560	2	48	240	8	16	80
10:00 AM	12.5%	1.8%	7	56	1	4	8	60	300	172	860	2	48	240	10	28	140
11:00 AM	12.5%	0.0%	7	56	0	0	7	56	280	228	1,140	2	48	240	9	36	180
12:00 PM	5.4%	1.8%	3	24	1	4	4	28	140	256	1,280	2	48	240	6	16	80
1:00 PM	7.1%	1.8%	4	32	1	4	5	36	180	292	1,460	2	48	240	7	4	20
2:00 PM	10.7%	1.8%	6	48	1	4	7	52	260	344	1,720	2	48	240	9	8	40
3:00 PM	7.1%	3.6%	4	32	2	8	6	40	200	384	1,920	2	48	240	8	0	0
4:00 PM	1.8%	3.6%	1	8	2	8	3	16	80	400	2,000	0	0	0	3	16	80
5:00 PM	0.0%	0.0%	0	0	0	0	0	0	0	400	2,000	1	24	120	1	0	0
6:00 PM	0.0%	0.0%	0	0	0	0	0	0	0	400	2,000	0	0	0	0	0	0
7:00 PM	0.0%	0.0%	0	0	0	0	0	0	0	400	2,000	0	0	0	0	0	0
8:00 PM	0.0%	0.0%	0	0	0	0	0	0	0	400	2,000	0	0	0	0	0	0
9:00 PM	0.0%	0.0%	0	0	0	0	0	0	0	400	2,000	0	0	0	0	0	0
10:00 PM	0.0%	0.0%	0	0	0	0	0	0	0	400	2,000	0	0	0	0	0	0
11:00 PM	0.0%	0.0%	0	0	0	0	0	0	0	400	2,000	0	0	0	0	0	0
DAILY TOTALS	**78.6%**	**21.4%**	**44**	**352**	**12**	**48**	**56**	**400**	**2,000**	**400**	**2,000**	**17**	**408**	**2,040**	**73**	**36**	**180**
																MAX Values	

Design Criteria:

56	Total Collection Vehicles per Day
400	Designed Daily Throughput of MSW
8 tons	Average MSW Packer Truck Capacity
4 tons	Average MSW Roll-Off Truck Capacity
24 tons	Average MSW Transfer Trailer Capacity
1 ton MSW = 5 Cubic Yards on Tipping Floor (or 400 Pounds/Cubic Yard)	

APPENDIX 2-K:

LOAD INSPECTION RECORD FORM

HRC Transfer Station

WASTE LOAD INSPECTION FORM

Date: _____ Employee/Inspector: _____

Time: _____

The following items are not accepted at this facility:

- Lead-acid batteries
- Hazardous wastes
- Universal wastes
- Landscape wastes
- Radioactive wastes
- Infectious wastes
- Domestic sewage

Scale Ticket #	Hauling Company (and generator, if known)	Name of Driver	Truck Type	Truck #	License #	Color

Inspector Observations: Photo Documentation: ☐ Yes ☐ No

Regulated Hazardous/Unauthorized Waste Identified: ☐ Yes ☐ No

REGULATED HAZARDOUS/ UNAUTHORIZED WASTE		
	☐ Lead-acid batteries	☐ Radioactive wastes
	☐ Hazardous wastes	☐ Infectious wastes
	☐ Universal wastes	☐ Domestic sewage
	☐ Landscape wastes	

ACTION TAKEN/ INSPECTOR'S COMMENTS	

Inspector's Signature _____ Driver's Signature _____

APPENDIX 2-L:

STORMWATER DRAINAGE COMPUTATIONS

ANDREWS ENGINEERING	TITLE:	Storm Sewer Design			Calc No. 1	Rev. No.
	Project:	HRC Transfer Station			Date:	08/10/23
	Job No.:	230156/0004			Sheet 1 of 2	
	Prepared By:	KWF	Checked:	DWM	Reviewed:	

OBJECTIVE:
Verify required storm sewer capacity at proposed HRC Transfer Station

DESIGN CRITERIA:
Storm Water Requirements of the McLean County Subdivision Ordinance
Rational Method

METHOD:

Drainage Areas:
Total site area = 3.09 acres with only 2.86 being developed.
Two drainage areas divided into a total of seven sub-drainage areas.
Northern drainage areas:

- Northwestern Grassed Area = 0.33 acres, drains to Drop Inlet 1
- Northwestern Concrete Pad = 0.14 acres, drains to Drop Inlet 2
- Central and Northeastern Concrete Pad = 0.63 acres, drains to Drop Inlets 3 & 4
- North Half of Transfer Station Roof = 0.28 acres, drains to Drop Inlet 5

Southern drainage areas:

- South Half of Transfer Station Roof = 0.14 acres, drains to Drop Inlet 6
- Concrete Parking Lot and Entrance = 0.53 acres, drains to Drop Inlet 7 & 8
- Eastern Concrete Pad = 0.81 acres, drains to Drop Inlets 9 & 10

Runoff Coefficient:
To be conservative, the runoff coefficient for the entire site was selected as the maximum runoff coefficient of 0.95 for all surfaces as is listed in Exhibit P 1.d Runoff Coefficients from the Storm Water Requirements of the McLean County Subdivision Ordinance.

Time of Concentration:
Time of concentration: say 6 minutes for each drainage area (minimum allowable due to paved areas)

Peak flowrates (100-yr, 6-min – Critical Storm):
The critical storm is typically used to design onsite feature, such as storm sewer, for shorter, more intense storms that generate a higher runoff rate, not necessarily a high volume as the detention storage. The critical storm duration was determined to be the 1-hr storm. Derived from Exhibit P 1.a Storm Frequency Intensities from the Storm Water Requirements of the McLean County Subdivision Ordinance.

Using the Rational Method, Critical Storm peak flowrates are as follows:

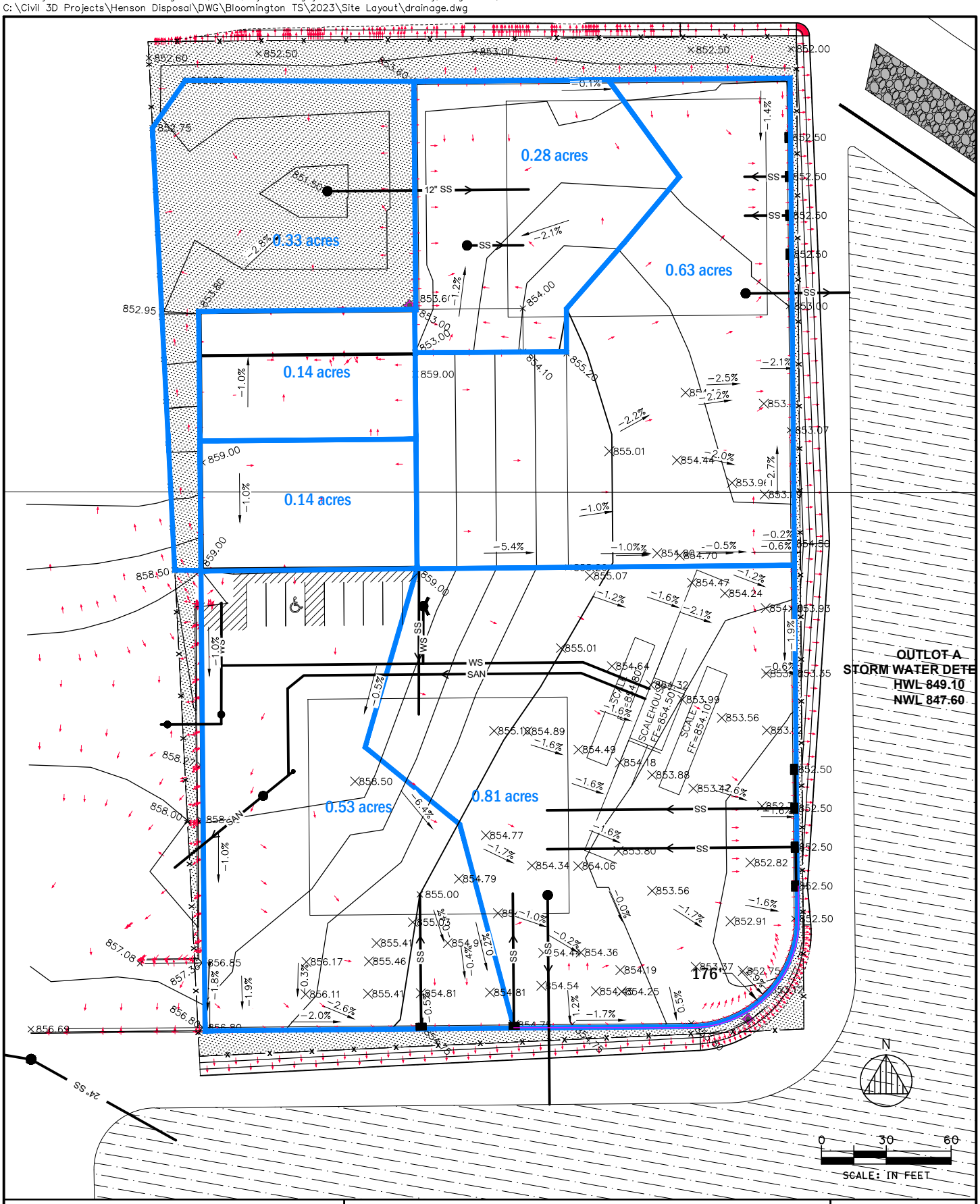
- Inlet 1 = 3.07 cfs
- Inlet 2 = 2.60 cfs
- Inlet 3 & 4 = 5.86 cfs
- Inlet 5 = 1.30 cfs

- Inlet 6 = 1.30 cfs
- Inlet 7 & 8 = 4.98 cfs
- Inlet 9 & 10 = 7.53 cfs

Required Storage Rate and Maximum Release Rate Allowed for Detention Facilities:

A table with the required storage rate and maximum release rate allowed is included in the Storm Water Requirements of the McLean County Subdivision Ordinance for areas up to 5 acres. The total HRC Transfer Station site is under 4 acres thus the minimum required storage rate of 6,900 cu. Ft./acre and the maximum release rate allowed of 0.64 cfs/acre were used to design the detention facilities.

The detention facilities were divided into a northern and a southern area. Each design is included in the Attachments to this design.



ANDREWS ENGINEERING
3300 GINGER CREEK DRIVE
SPRINGFIELD, ILLINOIS 62711-7233
PH (217) 787-2334 WWW.ANDREWS-ENG.COM
PONTIAC, IL • LOMBARD, IL • INDIANAPOLIS, IN • WARRENTON, MO

APPROVED BY: KWF	DESIGNED BY: KWF	DRAWN BY: MPN

DRAINAGE AREAS – HRC TRANSFER STATION

PREPARED FOR
HENSON RECYCLING CAMPUS
TRANSFER STATION
BLOOMINGTON, MCLEAN COUNTY, ILLINOIS

DATE: AUGUST 2023
PROJECT ID: 230156/0013
SHEET NUMBER: SW-1

© 2023 Andrews Engineering, Inc.

PROJECT INFORMATION	
ENGINEERED PRODUCT MANAGER	
ADS SALES REP	
PROJECT NO.	

Advanced Drainage Systems, Inc.

SiteAssist™
FOR STORMTECH
INSTALLATION INSTRUCTIONS
VISIT OUR APP

HENSON DISPOSAL CENTER

BLOOMINGTON, IL, USA

SC-310 STORMTECH CHAMBER SPECIFICATIONS

1. CHAMBERS SHALL BE STORMTECH SC-310.
2. CHAMBERS SHALL BE ARCH-SHAPED AND SHALL BE MANUFACTURED FROM VIRGIN, IMPACT-MODIFIED POLYPROPYLENE OR POLYETHYLENE COPOLYMERS.
3. CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2922 (POLETHYLENE) OR ASTM F2418 (POLYPROPYLENE), "STANDARD SPECIFICATION FOR CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
4. CHAMBER ROWS SHALL PROVIDE CONTINUOUS, UNOBSTRUCTED INTERNAL SPACE WITH NO INTERNAL SUPPORTS THAT WOULD IMPEDE FLOW OR LIMIT ACCESS FOR INSPECTION.
5. THE STRUCTURAL DESIGN OF THE CHAMBERS, THE STRUCTURAL BACKFILL, AND THE INSTALLATION REQUIREMENTS SHALL ENSURE THAT THE LOAD FACTORS SPECIFIED IN THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, SECTION 12.12, ARE MET FOR: 1) LONG-DURATION DEAD LOADS AND 2) SHORT-DURATION LIVE LOADS, BASED ON THE AASHTO DESIGN TRUCK WITH CONSIDERATION FOR IMPACT AND MULTIPLE VEHICLE PRESENCES.
6. CHAMBERS SHALL BE DESIGNED, TESTED AND ALLOWABLE LOAD CONFIGURATIONS DETERMINED IN ACCORDANCE WITH ASTM F2787, "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS". LOAD CONFIGURATIONS SHALL INCLUDE: 1) INSTANTANEOUS (<1 MIN) AASHTO DESIGN TRUCK LIVE LOAD ON MINIMUM COVER 2) MAXIMUM PERMANENT (75-YR) COVER LOAD AND 3) ALLOWABLE COVER WITH PARKED (1-WEEK) AASHTO DESIGN TRUCK.
7. REQUIREMENTS FOR HANDLING AND INSTALLATION:
   - TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LUGS.
   - TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 2".
   - TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, a) THE ARCH STIFFNESS CONSTANT SHALL BE GREATER THAN OR EQUAL TO 400 LBS/FT/%. THE ASC IS DEFINED IN SECTION 6.2.8 OF ASTM F2418. AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.
8. ONLY CHAMBERS THAT ARE APPROVED BY THE SITE DESIGN ENGINEER WILL BE ALLOWED. UPON REQUEST BY THE SITE DESIGN ENGINEER OR OWNER, THE CHAMBER MANUFACTURER SHALL SUBMIT A STRUCTURAL EVALUATION FOR APPROVAL BEFORE DELIVERING CHAMBERS TO THE PROJECT SITE AS FOLLOWS:
   - THE STRUCTURAL EVALUATION SHALL BE SEALED BY A REGISTERED PROFESSIONAL ENGINEER.
   - THE STRUCTURAL EVALUATION SHALL DEMONSTRATE THAT THE SAFETY FACTORS ARE GREATER THAN OR EQUAL TO 1.95 FOR DEAD LOAD AND 1.75 FOR LIVE LOAD, THE MINIMUM REQUIRED BY ASTM F2787 AND BY SECTIONS 3 AND 12.12 OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS FOR THERMOPLASTIC PIPE.
   - THE TEST DERIVED CREEP MODULUS AS SPECIFIED IN ASTM F2922 SHALL BE USED FOR PERMANENT DEAD LOAD DESIGN EXCEPT THAT IT SHALL BE THE 75-YEAR MODULUS USED FOR DESIGN.
9. CHAMBERS AND END CAPS SHALL BE PRODUCED AT AN ISO 9001 CERTIFIED MANUFACTURING FACILITY.

IMPORTANT - NOTES FOR THE BIDDING AND INSTALLATION OF THE SC-310 SYSTEM

1. STORMTECH SC-310 CHAMBERS SHALL NOT BE INSTALLED UNTIL THE MANUFACTURER'S REPRESENTATIVE HAS COMPLETED A PRE-CONSTRUCTION MEETING WITH THE INSTALLERS.
2. STORMTECH SC-310 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740/DC-780 CONSTRUCTION GUIDE".
3. CHAMBERS ARE NOT TO BE BACKFILLED WITH A DOZER OR AN EXCAVATOR SITUATED OVER THE CHAMBERS. STORMTECH RECOMMENDS 3 BACKFILL METHODS:
   - STONESHOOTER LOCATED OFF THE CHAMBER BED.
   - BACKFILL AS ROWS ARE BUILT USING AN EXCAVATOR ON THE FOUNDATION STONE OR SUBGRADE.
   - BACKFILL FROM OUTSIDE THE EXCAVATION USING A LONG BOOM HOE OR EXCAVATOR.
4. THE FOUNDATION STONE SHALL BE LEVELED AND COMPACTED PRIOR TO PLACING CHAMBERS.
5. JOINTS BETWEEN CHAMBERS SHALL BE PROPERLY SEATED PRIOR TO PLACING STONE.
6. MAINTAIN MINIMUM - 6" (150 mm) SPACING BETWEEN THE CHAMBER ROWS.
7. EMBEDMENT STONE SURROUNDING CHAMBERS MUST BE A CLEAN, CRUSHED, ANGULAR STONE 3/4-2" (20-50 mm).
8. THE CONTRACTOR MUST REPORT ANY DISCREPANCIES WITH CHAMBER FOUNDATION MATERIALS BEARING CAPACITIES TO THE SITE DESIGN ENGINEER.
9. ADS RECOMMENDS THE USE OF "FLEXSTORM CATCH IT" INSERTS DURING CONSTRUCTION FOR ALL INLETS TO PROTECT THE SUBSURFACE STORMWATER MANAGEMENT SYSTEM FROM CONSTRUCTION SITE RUNOFF.

NOTES FOR CONSTRUCTION EQUIPMENT

1. STORMTECH SC-310 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740/DC-780 CONSTRUCTION GUIDE".
2. THE USE OF CONSTRUCTION EQUIPMENT OVER SC-310 & SC-740 CHAMBERS IS LIMITED:
   - NO EQUIPMENT IS ALLOWED ON BARE CHAMBERS.
   - NO RUBBER TIRED LOADERS, DUMP TRUCKS, OR EXCAVATORS ARE ALLOWED UNTIL PROPER FILL DEPTHS ARE REACHED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740/DC-780 CONSTRUCTION GUIDE".
   - WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT CAN BE FOUND IN THE "STORMTECH SC-310/SC-740/DC-780 CONSTRUCTION GUIDE".
3. FULL 36" (900 mm) OF STABILIZED COVER MATERIALS OVER THE CHAMBERS IS REQUIRED FOR DUMP TRUCK TRAVEL OR DUMPING.

USE OF A DOZER TO PUSH EMBEDMENT STONE BETWEEN THE ROWS OF CHAMBERS MAY CAUSE DAMAGE TO THE CHAMBERS AND IS NOT AN ACCEPTABLE BACKFILL METHOD. ANY CHAMBERS DAMAGED BY THE "DUMP AND PUSH" METHOD ARE NOT COVERED UNDER THE STORMTECH STANDARD WARRANTY.

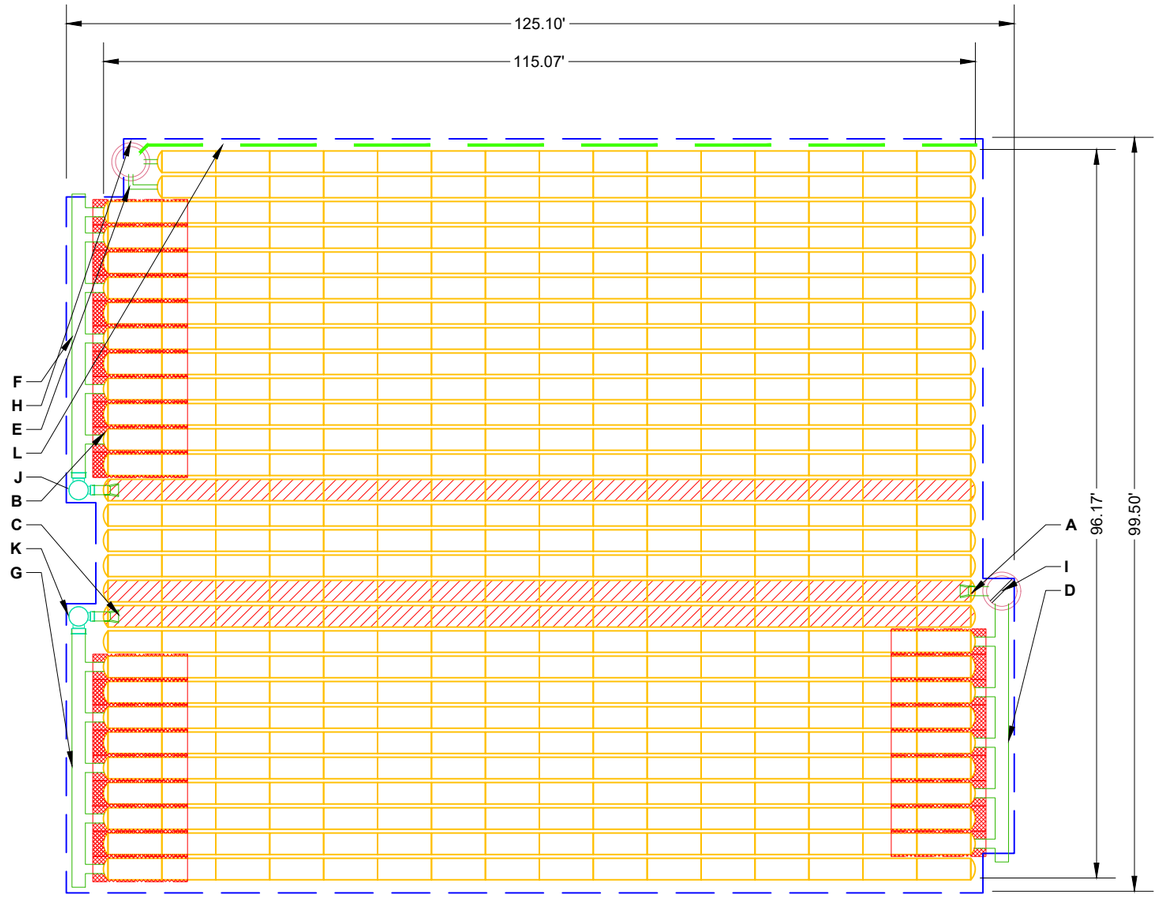
CONTACT STORMTECH AT 1-888-892-2694 WITH ANY QUESTIONS ON INSTALLATION REQUIREMENTS OR WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT.

©2023 ADS, INC.

PROPOSED LAYOUT: NORTH BED		PROPOSED ELEVATIONS: NORTH BED	
462	STORMTECH SC-310 CHAMBERS	MAXIMUM ALLOWABLE GRADE (TOP OF PAVEMENT/UNPAVED):	859.03
58	STORMTECH SC-310 END CAPS	MINIMUM ALLOWABLE GRADE (UNPAVED WITH TRAFFIC):	853.03
6	STONE ABOVE (in)	MINIMUM ALLOWABLE GRADE (UNPAVED NO TRAFFIC):	852.53
6	STONE BELOW (in)	MINIMUM ALLOWABLE GRADE (TOP OF RIGID CONCRETE PAVEMENT):	852.53
40	STONE VOID	MINIMUM ALLOWABLE GRADE (BASE OF FLEXIBLE PAVEMENT):	852.53
15363	INSTALLED SYSTEM VOLUME (CF) (PERIMETER STONE INCLUDED) (COVER STONE INCLUDED) (BASE STONE INCLUDED)	TOP OF STONE:	851.53
		TOP OF SC-310 CHAMBER:	851.03
		18" x 12" TOP MANIFOLD INVERT (12" PIPE):	849.78
		18" x 12" TOP MANIFOLD INVERT (12" PIPE):	849.78
12077	SYSTEM AREA (SF)	18" x 12" BOTTOM MANIFOLD INVERT (12" PIPE):	849.78
457.0	SYSTEM PERIMETER (ft)	12" ISOLATOR ROW PLUS INVERT:	849.78
		12" ISOLATOR ROW PLUS INVERT:	849.78
		12" ISOLATOR ROW PLUS INVERT:	849.78
		6" x 6" BOTTOM MANIFOLD INVERT:	849.74
		6" BOTTOM CONNECTION INVERT:	849.74
		BOTTOM OF SC-310 CHAMBER:	849.70
		18" x 12" TOP MANIFOLD INVERT (18" PIPE):	849.28
		18" x 12" TOP MANIFOLD INVERT (18" PIPE):	849.28
		18" x 12" BOTTOM MANIFOLD INVERT (18" PIPE):	849.28
		UNDERDRAIN INVERT:	849.20
		BOTTOM OF STONE:	849.20

*INVERT ABOVE BASE OF CHAMBER

PART TYPE	ITEM ON LAYOUT	DESCRIPTION	INVERT*	MAX FLOW
PREFABRICATED EZ END CAP	A	12" BOTTOM PREFABRICATED EZ END CAP, PART#: SC310ECEZ / TYP OF ALL 12" BOTTOM CONNECTIONS AND ISOLATOR PLUS ROWS	0.90"	
PREFABRICATED END CAP	B	12" TOP PREFABRICATED END CAP, PART#: SC310EPE12B / TYP OF ALL 12" TOP CONNECTIONS	0.90"	
FLAMP	C	INSTALL FLAMP ON 12" ACCESS PIPE / PART#: SC31012RAMP (TYP 3 PLACES)		
MANIFOLD	D	18" x 12" ADS N-12 (18" PIPE) 18" x 12" ADS N-12 (12" PIPE)	-5.02" 0.90"	
MANIFOLD	E	6" x 6" BOTTOM MANIFOLD, MOLDED FITTINGS	0.50"	
MANIFOLD	F	18" x 12" ADS N-12 (18" PIPE) 18" x 12" ADS N-12 (12" PIPE)	-5.02" 0.90"	
MANIFOLD	G	18" x 12" ADS N-12 (18" PIPE) 18" x 12" ADS N-12 (12" PIPE)	-5.02" 0.90"	
CONCRETE STRUCTURE	H	OCS (DESIGN BY ENGINEER / PROVIDED BY OTHERS)		0.8 CFS OUT
CONCRETE STRUCTURE W/WEIR	I	(DESIGN BY ENGINEER / PROVIDED BY OTHERS)		10.4 CFS IN
NYLOPLAST (INLET W/ ISO PLUS ROW)	J	30" DIAMETER (24.00" SUMP MIN)		12.4 CFS IN
NYLOPLAST (INLET W/ ISO PLUS ROW)	K	30" DIAMETER (24.00" SUMP MIN)		10.4 CFS IN
UNDERDRAIN	L	4" ADS N-12 DUAL WALL PERFORATED HDPE UNDERDRAIN		



ISOLATOR ROW PLUS
(SEE DETAIL/TYP 3 PLACES)

PLACE MINIMUM 12.50' OF ADSPLUS125 WOVEN GEOTEXTILE OVER BEDDING STONE AND UNDERNEATH CHAMBER FEET FOR SCOUR PROTECTION AT ALL CHAMBER INLET ROWS

BED LIMITS

NOTES

- MANIFOLD SIZE TO BE DETERMINED BY SITE DESIGN ENGINEER. SEE TECH NOTE #6.32 FOR MANIFOLD SIZING GUIDANCE.
- DUE TO THE ADAPTATION OF THIS CHAMBER SYSTEM TO SPECIFIC SITE AND DESIGN CONSTRAINTS, IT MAY BE NECESSARY TO CUT AND COUPLE ADDITIONAL PIPE TO STANDARD MANIFOLD COMPONENTS IN THE FIELD.
- THE SITE DESIGN ENGINEER MUST REVIEW ELEVATIONS AND IF NECESSARY ADJUST GRADING TO ENSURE THE CHAMBER COVER REQUIREMENTS ARE MET.
- THIS CHAMBER SYSTEM WAS DESIGNED WITHOUT SITE-SPECIFIC INFORMATION ON SOIL CONDITIONS OR BEARING CAPACITY. THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR DETERMINING THE SUITABILITY OF THE SOIL AND PROVIDING THE BEARING CAPACITY OF THE INSITU SOILS. THE BASE STONE DEPTH MAY BE INCREASED OR DECREASED ONCE THIS INFORMATION IS PROVIDED.
- **NOT FOR CONSTRUCTION:** THIS LAYOUT IS FOR DIMENSIONAL PURPOSES ONLY TO PROVE CONCEPT & THE REQUIRED STORAGE VOLUME CAN BE ACHIEVED ON SITE.

HENSON DISPOSAL CENTER
BLOOMINGTON, IL, USA
DATE:
DRAWN: KF
CHECKED: N/A
PROJECT #:

DESCRIPTION	CHK	DRW	DATE

THIS DRAWING HAS BEEN PREPARED BASED ON INFORMATION PROVIDED TO ADS UNDER THE DIRECTION OF THE SITE DESIGN ENGINEER OR OTHER PROJECT REPRESENTATIVE. THE SITE DESIGN ENGINEER SHALL REVIEW THIS DRAWING PRIOR TO CONSTRUCTION. IT IS THE ULTIMATE RESPONSIBILITY OF THE SITE DESIGN ENGINEER TO ENSURE THAT THE PRODUCT(S) DEPICTED AND ALL ASSOCIATED DETAILS MEET ALL APPLICABLE LAWS, REGULATIONS, AND PROJECT REQUIREMENTS.

StormTech®
Chamber System
888-892-2694 | WWW.STORMTECH.COM

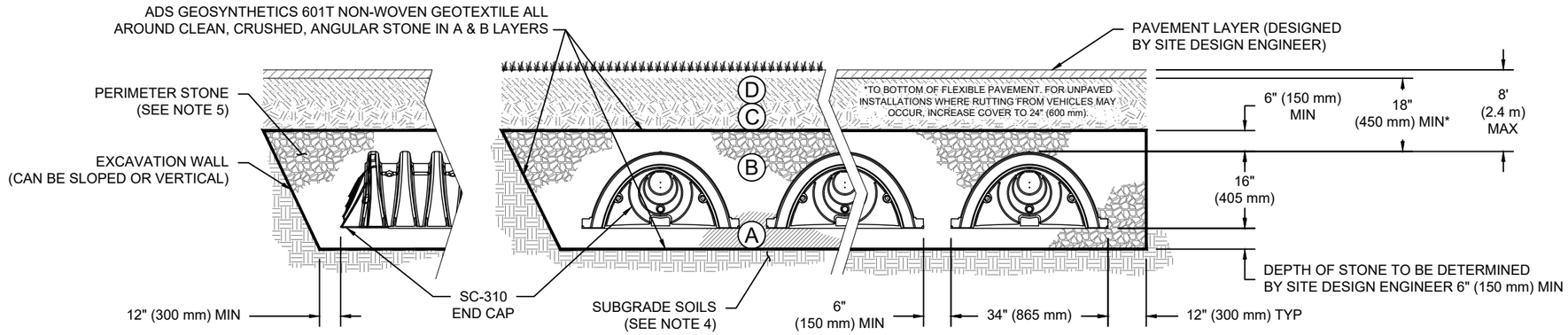
4640 TRUEMAN BLVD
HILLIARD, OH 43026
1-800-733-7473

0 20 40

ACCEPTABLE FILL MATERIALS: STORMTECH SC-310 CHAMBER SYSTEMS

MATERIAL LOCATION		DESCRIPTION	AASHTO MATERIAL CLASSIFICATIONS	COMPACTION / DENSITY REQUIREMENT
D	**FINAL FILL:** FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISHED GRADE ABOVE. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE 'D' LAYER.	ANY SOIL/ROCK MATERIALS, NATIVE SOILS, OR PER ENGINEER'S PLANS. CHECK PLANS FOR PAVEMENT SUBGRADE REQUIREMENTS.	N/A	PREPARE PER SITE DESIGN ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS.
C	**INITIAL FILL:** FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE ('B' LAYER) TO 18" (450 mm) ABOVE THE TOP OF THE CHAMBER. NOTE THAT PAVEMENT SUBBASE MAY BE A PART OF THE 'C' LAYER.	GRANULAR WELL-GRADED SOIL/AGGREGATE MIXTURES, <35% FINES OR PROCESSED AGGREGATE. MOST PAVEMENT SUBBASE MATERIALS CAN BE USED IN LIEU OF THIS LAYER.	AASHTO M145[1] A-1, A-2-4, A-3 OR AASHTO M43[1] 3, 357, 4, 467, 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10	BEGIN COMPACTIONS AFTER 12" (300 mm) OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 6" (150 mm) MAX LIFTS TO A MIN. 95% PROCTOR DENSITY FOR WELL GRADED MATERIAL AND 95% RELATIVE DENSITY FOR PROCESSED AGGREGATE MATERIALS. ROLLER GROSS VEHICLE WEIGHT NOT TO EXCEED 12,000 lbs (53 kN). DYNAMIC FORCE NOT TO EXCEED 20,000 lbs (89 kN).
B	**EMBEDMENT STONE:** FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE ('A' LAYER) TO THE 'C' LAYER ABOVE.	CLEAN, CRUSHED, ANGULAR STONE	AASHTO M43[1] 3, 357, 4, 467, 5, 56, 57	NO COMPACTION REQUIRED.
A	**FOUNDATION STONE:** FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER.	CLEAN, CRUSHED, ANGULAR STONE	AASHTO M43[1] 3, 357, 4, 467, 5, 56, 57	PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE.[2,3]

PLEASE NOTE:
1. THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE: "CLEAN, CRUSHED, ANGULAR NO. 4 (AASHTO M43) STONE".
2. STORMTECH COMPACTION REQUIREMENTS ARE MET FOR 'A' LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 6" (150 mm) (MAX) LIFTS USING TWO FULL COVERAGES WITH A VIBRATORY COMPACTOR.
3. WHERE INFILTRATION SURFACES MAY BE COMPROMISED BY COMPACTION, FOR STANDARD DESIGN LOAD CONDITIONS, A FLAT SURFACE MAY BE ACHIEVED BY RAKING OR DRAGGING WITHOUT COMPACTION EQUIPMENT. FOR SPECIAL LOAD DESIGNS, CONTACT STORMTECH FOR COMPACTION REQUIREMENTS.
4. ONCE LAYER 'C' IS PLACED, ANY SOIL/MATERIAL CAN BE PLACED IN LAYER 'D' UP TO THE FINISHED GRADE. MOST PAVEMENT SUBBASE SOILS CAN BE USED TO REPLACE THE MATERIAL REQUIREMENTS OF LAYER 'C' OR 'D' AT THE SITE DESIGN ENGINEER'S DISCRETION.



NOTES:

1. CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2922 (POLETHYLENE) OR ASTM F2418 (POLYPROPYLENE), "STANDARD SPECIFICATION FOR CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
2. SC-310 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
3. THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR ASSESSING THE BEARING RESISTANCE (ALLOWABLE BEARING CAPACITY) OF THE SUBGRADE SOILS AND THE DEPTH OF FOUNDATION STONE WITH CONSIDERATION FOR THE RANGE OF EXPECTED SOIL MOISTURE CONDITIONS.
4. PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
5. REQUIREMENTS FOR HANDLING AND INSTALLATION:
   - TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LUGS.
   - TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 2".
   - TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, a) THE ARCH STIFFNESS CONSTANT SHALL BE GREATER THAN OR EQUAL TO 400 LBS/FT/%. THE ASC IS DEFINED IN SECTION 6.2.8 OF ASTM F2418. AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.

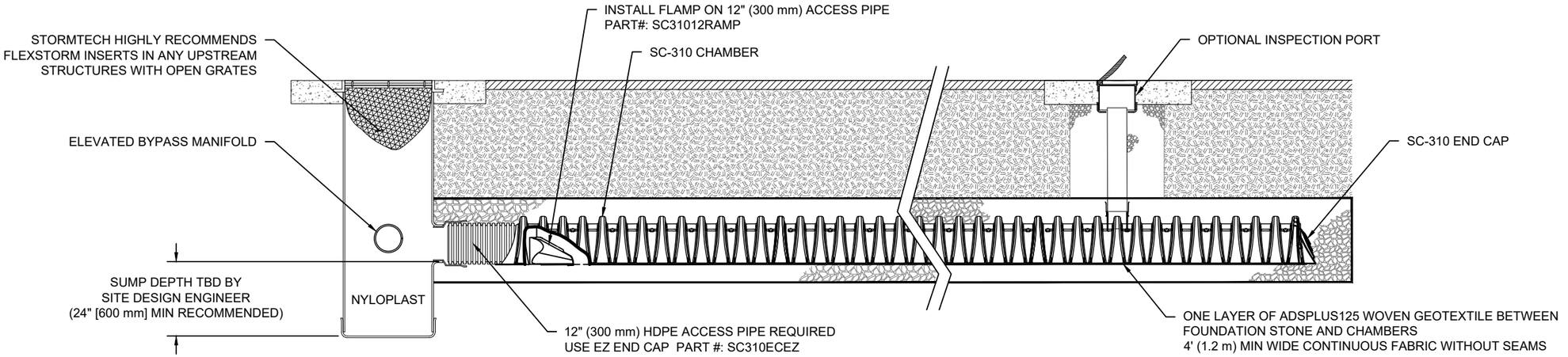
HENSON DISPOSAL CENTER
BLOOMINGTON, IL, USA
DATE: DRAWN: KF CHECKED: N/A
PROJECT #:

DATE	DRW	CHK	DESCRIPTION

THIS DRAWING HAS BEEN PREPARED BASED ON INFORMATION PROVIDED TO ADS UNDER THE DIRECTION OF THE SITE DESIGN ENGINEER OR OTHER PROJECT REPRESENTATIVE. THE SITE DESIGN ENGINEER SHALL REVIEW THIS DRAWING PRIOR TO CONSTRUCTION. IT IS THE ULTIMATE RESPONSIBILITY OF THE SITE DESIGN ENGINEER TO ENSURE THAT THE PRODUCT(S) DEPICTED AND ALL ASSOCIATED DETAILS MEET ALL APPLICABLE LAWS, REGULATIONS, AND PROJECT REQUIREMENTS.

StormTech® Chamber System
888-892-2694 | WWW.STORMTECH.COM

4640 TRUEMAN BLVD
HILLIARD, OH 43026
1-800-733-7473



SC-310 ISOLATOR ROW PLUS DETAIL

NTS

INSPECTION & MAINTENANCE

STEP 1) INSPECT ISOLATOR ROW PLUS FOR SEDIMENT
- A. INSPECTION PORTS (IF PRESENT)
  - A.1. REMOVE/OPEN LID ON NYLOPLAST INLINE DRAIN
  - A.2. REMOVE AND CLEAN FLEXSTORM FILTER IF INSTALLED
  - A.3. USING A FLASHLIGHT AND STADIA ROD, MEASURE DEPTH OF SEDIMENT AND RECORD ON MAINTENANCE LOG
  - A.4. LOWER A CAMERA INTO ISOLATOR ROW PLUS FOR VISUAL INSPECTION OF SEDIMENT LEVELS (OPTIONAL)
  - A.5. IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.
- B. ALL ISOLATOR PLUS ROWS
  - B.1. REMOVE COVER FROM STRUCTURE AT UPSTREAM END OF ISOLATOR ROW PLUS
  - B.2. USING A FLASHLIGHT, INSPECT DOWN THE ISOLATOR ROW PLUS THROUGH OUTLET PIPE
    - i) MIRRORS ON POLES OR CAMERAS MAY BE USED TO AVOID A CONFINED SPACE ENTRY
    - ii) FOLLOW OSHA REGULATIONS FOR CONFINED SPACE ENTRY IF ENTERING MANHOLE
  - B.3. IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.

STEP 2) CLEAN OUT ISOLATOR ROW PLUS USING THE JETVAC PROCESS
- A. A FIXED CULVERT CLEANING NOZZLE WITH REAR FACING SPREAD OF 45" (1.1 m) OR MORE IS PREFERRED
- B. APPLY MULTIPLE PASSES OF JETVAC UNTIL BACKFLUSH WATER IS CLEAN
- C. VACUUM STRUCTURE SUMP AS REQUIRED

STEP 3) REPLACE ALL COVERS, GRATES, FILTERS, AND LIDS; RECORD OBSERVATIONS AND ACTIONS.

STEP 4) INSPECT AND CLEAN BASINS AND MANHOLES UPSTREAM OF THE STORMTECH SYSTEM.

NOTES

1. INSPECT EVERY 6 MONTHS DURING THE FIRST YEAR OF OPERATION. ADJUST THE INSPECTION INTERVAL BASED ON PREVIOUS OBSERVATIONS OF SEDIMENT ACCUMULATION AND HIGH WATER ELEVATIONS.

2. CONDUCT JETTING AND VACTORING ANNUALLY OR WHEN INSPECTION SHOWS THAT MAINTENANCE IS NECESSARY.

HENSON DISPOSAL CENTER
BLOOMINGTON, IL, USA
DATE:
DRAWN: KF
PROJECT #:
CHECKED: N/A

DATE	DRW	CHK	DESCRIPTION

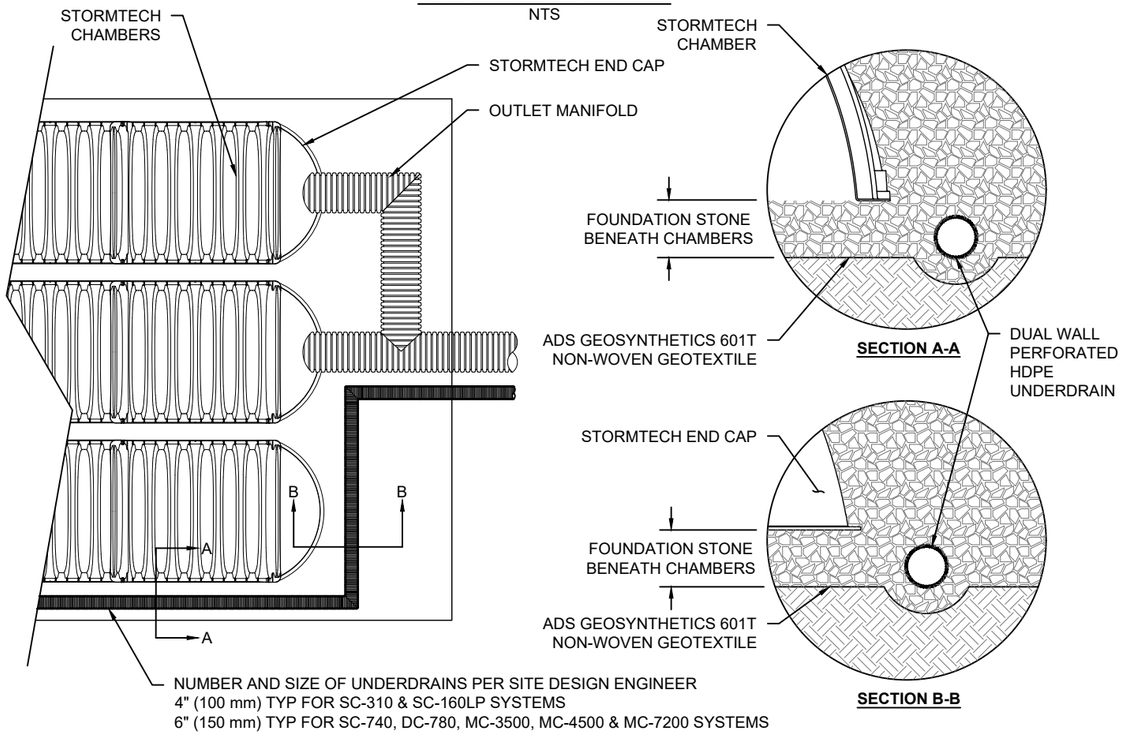
THIS DRAWING HAS BEEN PREPARED BASED ON INFORMATION PROVIDED TO ADS UNDER THE DIRECTION OF THE SITE DESIGN ENGINEER OR OTHER PROJECT REPRESENTATIVE. THE SITE DESIGN ENGINEER SHALL REVIEW THIS DRAWING PRIOR TO CONSTRUCTION. IT IS THE ULTIMATE RESPONSIBILITY OF THE SITE DESIGN ENGINEER TO ENSURE THAT THE PRODUCT(S) DEPICTED AND ALL ASSOCIATED DETAILS MEET ALL APPLICABLE LAWS, REGULATIONS, AND PROJECT REQUIREMENTS.

StormTech®
Chamber System
888-892-2694 | WWW.STORMTECH.COM

4640 TRUEMAN BLVD
HILLIARD, OH 43026
1-800-733-7473

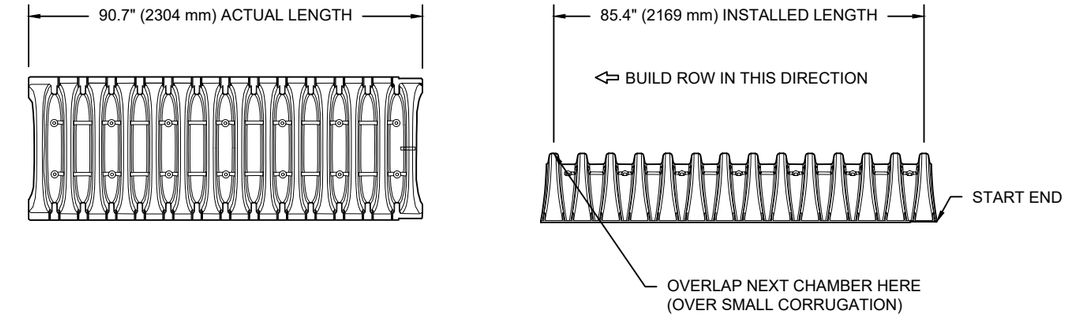
UNDERDRAIN DETAIL

NTS



SC-310 TECHNICAL SPECIFICATION

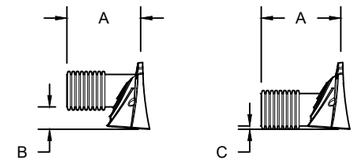
NTS



NOMINAL CHAMBER SPECIFICATIONS

SIZE (W X H X INSTALLED LENGTH)	34.0" X 16.0" X 85.4"	(864 mm X 406 mm X 2169 mm)
CHAMBER STORAGE	14.7 CUBIC FEET	(0.42 m³)
MINIMUM INSTALLED STORAGE*	31.0 CUBIC FEET	(0.88 m³)
WEIGHT	35.0 lbs.	(16.8 kg)

*ASSUMES 6" (152 mm) ABOVE, BELOW, AND BETWEEN CHAMBERS



PRE-FAB STUB AT BOTTOM OF END CAP WITH FLAMP END WITH "BR"
PRE-FAB STUBS AT BOTTOM OF END CAP FOR PART NUMBERS ENDING WITH "B"
PRE-FAB STUBS AT TOP OF END CAP FOR PART NUMBERS ENDING WITH "T"
PRE CORED END CAPS END WITH "PC"

PART #	STUB	A	B	C
SC310EPE06T / SC310EPE06TPC	6" (150 mm)	9.6" (244 mm)	5.8" (147 mm)	---
SC310EPE06B / SC310EPE06BPC			---	0.5" (13 mm)
SC310EPE08T / SC310EPE08TPC	8" (200 mm)	11.9" (302 mm)	3.5" (89 mm)	---
SC310EPE08B / SC310EPE08BPC			---	0.6" (15 mm)
SC310EPE10T / SC310EPE10TPC	10" (250 mm)	12.7" (323 mm)	1.4" (36 mm)	---
SC310EPE10B / SC310EPE10BPC			---	0.7" (18 mm)
SC310ECEZ*	12" (300 mm)	13.5" (343 mm)	---	0.9" (23 mm)

ALL STUBS, EXCEPT FOR THE SC310ECEZ ARE PLACED AT BOTTOM OF END CAP SUCH THAT THE OUTSIDE DIAMETER OF THE STUB IS FLUSH WITH THE BOTTOM OF THE END CAP. FOR ADDITIONAL INFORMATION CONTACT STORMTECH AT 1-888-892-2694.

* FOR THE SC310ECEZ THE 12" (300 mm) STUB LIES BELOW THE BOTTOM OF THE END CAP APPROXIMATELY 0.25" (6 mm). BACKFILL MATERIAL SHOULD BE REMOVED FROM BELOW THE N-12 STUB SO THAT THE FITTING SITS LEVEL.

NOTE: ALL DIMENSIONS ARE NOMINAL

HENSON DISPOSAL CENTER
BLOOMINGTON, IL, USA
DATE:
DRAWN: KF
PROJECT #:
CHECKED: N/A

DATE	DRW	CHK	DESCRIPTION

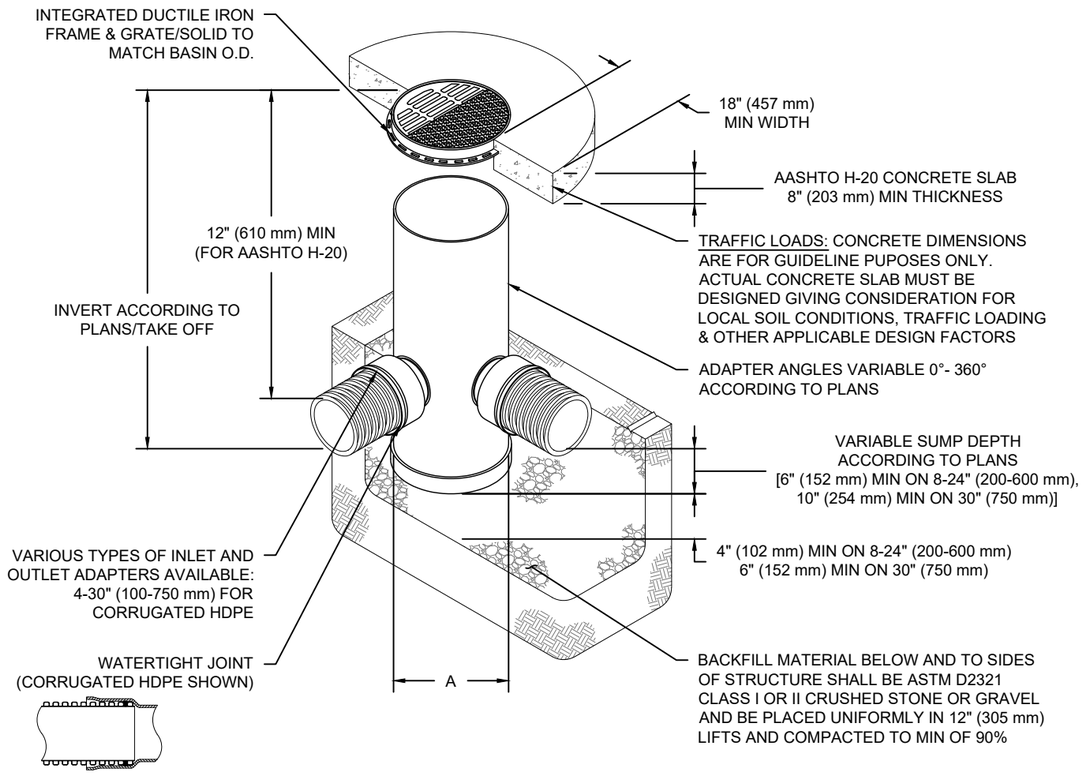
StormTech® Chamber System
888-892-2694 | WWW.STORMTECH.COM

ADS
4640 TRUEMAN BLVD
HILLIARD, OH 43026
1-800-733-7473

THIS DRAWING HAS BEEN PREPARED BASED ON INFORMATION PROVIDED TO ADS UNDER THE DIRECTION OF THE SITE DESIGN ENGINEER OF RESPONSIBILITY OF THE SITE DESIGN ENGINEER TO ENSURE THAT THE PRODUCT(S) DEPICTED AND ALL ASSOCIATED DETAILS MEET ALL APP
NGINEER OR OTHER PROJECT REPRESENTATIVE. THE SITE DESIGN ENGINEER SHALL REVIEW THIS DRAWING PRIOR TO CONSTRUCTION. IT IS THE ULTIMATE
EET ALL APPLICABLE LAWS, REGULATIONS, AND PROJECT REQUIREMENTS.

NYLOPLAST DRAIN BASIN

NTS



NOTES

1. 8-30" (200-750 mm) GRATES/SOLID COVERS SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05
2. 12-30" (300-750 mm) FRAMES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05
3. DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS
4. DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS & HANCOR DUAL WALL) & SDR 35 PVC
5. FOR COMPLETE DESIGN AND PRODUCT INFORMATION: **WWW.NYLOPLAST-US.COM**
6. TO ORDER CALL: **800-821-6710**

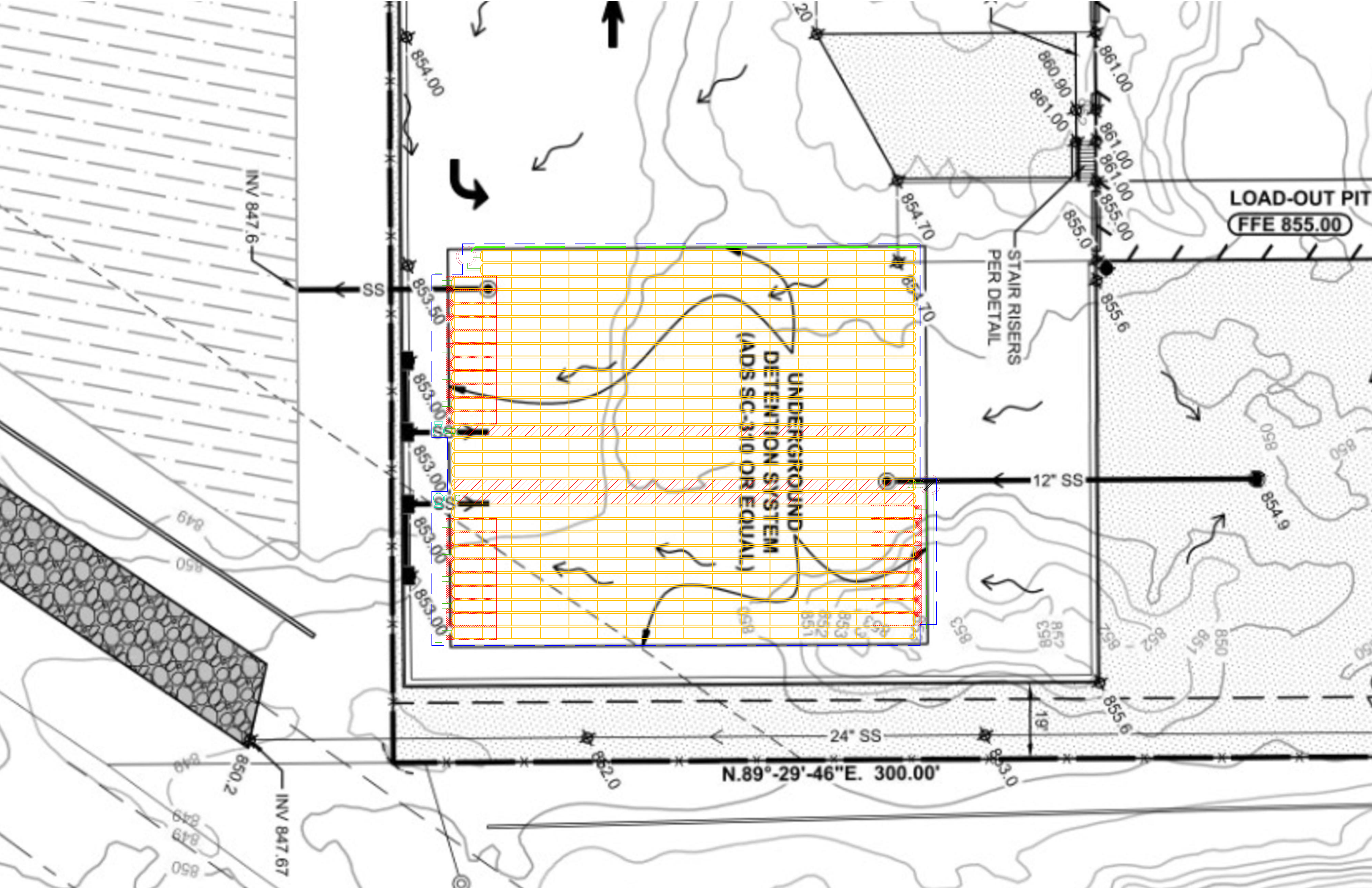
A	PART #	GRATE/SOLID COVER OPTIONS		
8" (200 mm)	2808AG	PEDESTRIAN LIGHT DUTY	STANDARD LIGHT DUTY	SOLID LIGHT DUTY
10" (250 mm)	2810AG	PEDESTRIAN LIGHT DUTY	STANDARD LIGHT DUTY	SOLID LIGHT DUTY
12" (300 mm)	2812AG	PEDESTRIAN AASHTO H-10	STANDARD AASHTO H-20	SOLID AASHTO H-20
15" (375 mm)	2815AG	PEDESTRIAN AASHTO H-10	STANDARD AASHTO H-20	SOLID AASHTO H-20
18" (450 mm)	2818AG	PEDESTRIAN AASHTO H-10	STANDARD AASHTO H-20	SOLID AASHTO H-20
24" (600 mm)	2824AG	PEDESTRIAN AASHTO H-10	STANDARD AASHTO H-20	SOLID AASHTO H-20
30" (750 mm)	2830AG	PEDESTRIAN AASHTO H-20	STANDARD AASHTO H-20	SOLID AASHTO H-20

HENSON DISPOSAL CENTER
BLOOMINGTON, IL, USA
DATE:
DRAWN: KF
PROJECT #:
CHECKED: N/A

DATE	DRW	CHK	DESCRIPTION

THIS DRAWING HAS BEEN PREPARED BASED ON INFORMATION PROVIDED TO ADS UNDER THE DIRECTION OF THE SITE DESIGN ENGINEER OF RESPONSIBILITY OF THE SITE DESIGN ENGINEER TO ENSURE THAT THE PRODUCT(S) DEPICTED AND ALL ASSOCIATED DETAILS MEET ALL APPLICABLE LAWS, REGULATIONS, AND PROJECT REQUIREMENTS.

Nyloplast®
770-932-2443 | WWW.NYLOPLAST-US.COM
4640 TRUEMAN BLVD
HILLIARD, OH 43026
1-800-733-7473


INV 847.6
SS
854.00
853.50
853.00
853.00
853.00
853.00
854.70
861.00
860.90
861.00
861.00
861.00
855.00
855.0
855.6
LOAD-OUT PIT
FFE 855.00
STAIR RISERS PER DETAIL
UNDERGROUND DETENTION SYSTEM (ADS SC-310 OR EQUAL)
12" SS
854.9
24" SS
19'
N.89°-29'-46"E. 300.00'
852.0
853.0
855.6
850.2
INV 847.67
849
850
851
852
853

PROJECT INFORMATION	
ENGINEERED PRODUCT MANAGER	
ADS SALES REP	
PROJECT NO.	

Advanced Drainage Systems, Inc.

SiteAssist™
FOR STORMTECH
INSTALLATION INSTRUCTIONS
VISIT OUR APP

HENSON DISPOSAL CENTER

BLOOMINGTON, IL, USA

SC-310 STORMTECH CHAMBER SPECIFICATIONS

1. CHAMBERS SHALL BE STORMTECH SC-310.
2. CHAMBERS SHALL BE ARCH-SHAPED AND SHALL BE MANUFACTURED FROM VIRGIN, IMPACT-MODIFIED POLYPROPYLENE OR POLYETHYLENE COPOLYMERS.
3. CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2922 (POLETHYLENE) OR ASTM F2418 (POLYPROPYLENE), "STANDARD SPECIFICATION FOR CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
4. CHAMBER ROWS SHALL PROVIDE CONTINUOUS, UNOBSTRUCTED INTERNAL SPACE WITH NO INTERNAL SUPPORTS THAT WOULD IMPEDE FLOW OR LIMIT ACCESS FOR INSPECTION.
5. THE STRUCTURAL DESIGN OF THE CHAMBERS, THE STRUCTURAL BACKFILL, AND THE INSTALLATION REQUIREMENTS SHALL ENSURE THAT THE LOAD FACTORS SPECIFIED IN THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, SECTION 12.12, ARE MET FOR: 1) LONG-DURATION DEAD LOADS AND 2) SHORT-DURATION LIVE LOADS, BASED ON THE AASHTO DESIGN TRUCK WITH CONSIDERATION FOR IMPACT AND MULTIPLE VEHICLE PRESENCES.
6. CHAMBERS SHALL BE DESIGNED, TESTED AND ALLOWABLE LOAD CONFIGURATIONS DETERMINED IN ACCORDANCE WITH ASTM F2787, "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS". LOAD CONFIGURATIONS SHALL INCLUDE: 1) INSTANTANEOUS (<1 MIN) AASHTO DESIGN TRUCK LIVE LOAD ON MINIMUM COVER 2) MAXIMUM PERMANENT (75-YR) COVER LOAD AND 3) ALLOWABLE COVER WITH PARKED (1-WEEK) AASHTO DESIGN TRUCK.
7. REQUIREMENTS FOR HANDLING AND INSTALLATION:
   - TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LUGS.
   - TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 2".
   - TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, a) THE ARCH STIFFNESS CONSTANT SHALL BE GREATER THAN OR EQUAL TO 400 LBS/FT/%. THE ASC IS DEFINED IN SECTION 6.2.8 OF ASTM F2418. AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.
8. ONLY CHAMBERS THAT ARE APPROVED BY THE SITE DESIGN ENGINEER WILL BE ALLOWED. UPON REQUEST BY THE SITE DESIGN ENGINEER OR OWNER, THE CHAMBER MANUFACTURER SHALL SUBMIT A STRUCTURAL EVALUATION FOR APPROVAL BEFORE DELIVERING CHAMBERS TO THE PROJECT SITE AS FOLLOWS:
   - THE STRUCTURAL EVALUATION SHALL BE SEALED BY A REGISTERED PROFESSIONAL ENGINEER.
   - THE STRUCTURAL EVALUATION SHALL DEMONSTRATE THAT THE SAFETY FACTORS ARE GREATER THAN OR EQUAL TO 1.95 FOR DEAD LOAD AND 1.75 FOR LIVE LOAD, THE MINIMUM REQUIRED BY ASTM F2787 AND BY SECTIONS 3 AND 12.12 OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS FOR THERMOPLASTIC PIPE.
   - THE TEST DERIVED CREEP MODULUS AS SPECIFIED IN ASTM F2922 SHALL BE USED FOR PERMANENT DEAD LOAD DESIGN EXCEPT THAT IT SHALL BE THE 75-YEAR MODULUS USED FOR DESIGN.
9. CHAMBERS AND END CAPS SHALL BE PRODUCED AT AN ISO 9001 CERTIFIED MANUFACTURING FACILITY.

IMPORTANT - NOTES FOR THE BIDDING AND INSTALLATION OF THE SC-310 SYSTEM

1. STORMTECH SC-310 CHAMBERS SHALL NOT BE INSTALLED UNTIL THE MANUFACTURER'S REPRESENTATIVE HAS COMPLETED A PRE-CONSTRUCTION MEETING WITH THE INSTALLERS.
2. STORMTECH SC-310 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740/DC-780 CONSTRUCTION GUIDE".
3. CHAMBERS ARE NOT TO BE BACKFILLED WITH A DOZER OR AN EXCAVATOR SITUATED OVER THE CHAMBERS. STORMTECH RECOMMENDS 3 BACKFILL METHODS:
   - STONESHOOTER LOCATED OFF THE CHAMBER BED.
   - BACKFILL AS ROWS ARE BUILT USING AN EXCAVATOR ON THE FOUNDATION STONE OR SUBGRADE.
   - BACKFILL FROM OUTSIDE THE EXCAVATION USING A LONG BOOM HOE OR EXCAVATOR.
4. THE FOUNDATION STONE SHALL BE LEVELED AND COMPACTED PRIOR TO PLACING CHAMBERS.
5. JOINTS BETWEEN CHAMBERS SHALL BE PROPERLY SEATED PRIOR TO PLACING STONE.
6. MAINTAIN MINIMUM - 6" (150 mm) SPACING BETWEEN THE CHAMBER ROWS.
7. EMBEDMENT STONE SURROUNDING CHAMBERS MUST BE A CLEAN, CRUSHED, ANGULAR STONE 3/4-2" (20-50 mm).
8. THE CONTRACTOR MUST REPORT ANY DISCREPANCIES WITH CHAMBER FOUNDATION MATERIALS BEARING CAPACITIES TO THE SITE DESIGN ENGINEER.
9. ADS RECOMMENDS THE USE OF "FLEXSTORM CATCH IT" INSERTS DURING CONSTRUCTION FOR ALL INLETS TO PROTECT THE SUBSURFACE STORMWATER MANAGEMENT SYSTEM FROM CONSTRUCTION SITE RUNOFF.

NOTES FOR CONSTRUCTION EQUIPMENT

1. STORMTECH SC-310 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740/DC-780 CONSTRUCTION GUIDE".
2. THE USE OF CONSTRUCTION EQUIPMENT OVER SC-310 & SC-740 CHAMBERS IS LIMITED:
   - NO EQUIPMENT IS ALLOWED ON BARE CHAMBERS.
   - NO RUBBER TIRED LOADERS, DUMP TRUCKS, OR EXCAVATORS ARE ALLOWED UNTIL PROPER FILL DEPTHS ARE REACHED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740/DC-780 CONSTRUCTION GUIDE".
   - WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT CAN BE FOUND IN THE "STORMTECH SC-310/SC-740/DC-780 CONSTRUCTION GUIDE".
3. FULL 36" (900 mm) OF STABILIZED COVER MATERIALS OVER THE CHAMBERS IS REQUIRED FOR DUMP TRUCK TRAVEL OR DUMPING.

USE OF A DOZER TO PUSH EMBEDMENT STONE BETWEEN THE ROWS OF CHAMBERS MAY CAUSE DAMAGE TO THE CHAMBERS AND IS NOT AN ACCEPTABLE BACKFILL METHOD. ANY CHAMBERS DAMAGED BY THE "DUMP AND PUSH" METHOD ARE NOT COVERED UNDER THE STORMTECH STANDARD WARRANTY.

CONTACT STORMTECH AT 1-888-892-2694 WITH ANY QUESTIONS ON INSTALLATION REQUIREMENTS OR WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT.

©2023 ADS, INC.

PROPOSED LAYOUT: SOUTH BED		PROPOSED ELEVATIONS: SOUTH BED	
463	STORMTECH SC-310 CHAMBERS	MAXIMUM ALLOWABLE GRADE (TOP OF PAVEMENT/UNPAVED):	859.03
58	STORMTECH SC-310 END CAPS	MINIMUM ALLOWABLE GRADE (UNPAVED WITH TRAFFIC):	853.03
6	STONE ABOVE (in)	MINIMUM ALLOWABLE GRADE (UNPAVED NO TRAFFIC):	852.53
6	STONE BELOW (in)	MINIMUM ALLOWABLE GRADE (TOP OF RIGID CONCRETE PAVEMENT):	852.53
40	STONE VOID	MINIMUM ALLOWABLE GRADE (BASE OF FLEXIBLE PAVEMENT):	852.53
15238	INSTALLED SYSTEM VOLUME (CF) (PERIMETER STONE INCLUDED) (COVER STONE INCLUDED) (BASE STONE INCLUDED)	TOP OF STONE:	851.53
		TOP OF SC-310 CHAMBER:	851.03
		18" x 12" TOP MANIFOLD INVERT (12" PIPE):	849.78
		18" x 12" TOP MANIFOLD INVERT (12" PIPE):	849.78
11934	SYSTEM AREA (SF)	12" ISOLATOR ROW PLUS INVERT:	849.78
455.6	SYSTEM PERIMETER (ft)	12" ISOLATOR ROW PLUS INVERT:	849.78
		6" x 6" BOTTOM MANIFOLD INVERT:	849.74
		6" BOTTOM CONNECTION INVERT:	849.74
		BOTTOM OF SC-310 CHAMBER:	849.70
		18" x 12" TOP MANIFOLD INVERT (18" PIPE):	849.28
		18" x 12" TOP MANIFOLD INVERT (18" PIPE):	849.28
		UNDERDRAIN INVERT:	849.20
		BOTTOM OF STONE:	849.20

*INVERT ABOVE BASE OF CHAMBER

PART TYPE	ITEM ON LAYOUT	DESCRIPTION	INVERT*	MAX FLOW
PREFABRICATED END CAP	A	12" TOP PREFABRICATED END CAP, PART#: SC310EPE12B / TYP OF ALL 12" TOP CONNECTIONS	0.90"	
PREFABRICATED EZ END CAP	B	12" BOTTOM PREFABRICATED EZ END CAP, PART#: SC310ECEZ / TYP OF ALL 12" BOTTOM CONNECTIONS AND ISOLATOR PLUS ROWS	0.90"	
FLAMP	C	INSTALL FLAMP ON 12" ACCESS PIPE / PART#: SC31012RAMP (TYP 2 PLACES)		
MANIFOLD	D	6" x 6" BOTTOM MANIFOLD, MOLDED FITTINGS	0.50"	
MANIFOLD	E	18" x 12" ADS N-12 (18" PIPE) 18" x 12" ADS N-12 (12" PIPE)	-5.02" 0.90"	
MANIFOLD	F	18" x 12" ADS N-12 (18" PIPE) 18" x 12" ADS N-12 (12" PIPE)	-5.02" 0.90"	
CONCRETE STRUCTURE	G	OCS (DESIGN BY ENGINEER / PROVIDED BY OTHERS)		0.8 CFS OUT
NYLOPLAST (INLET W/ ISO PLUS ROW)	H	30" DIAMETER (24.00" SUMP MIN)		10.4 CFS IN
NYLOPLAST (INLET W/ ISO PLUS ROW)	I	30" DIAMETER (24.00" SUMP MIN)		10.4 CFS IN
UNDERDRAIN	J	4" ADS N-12 DUAL WALL PERFORATED HDPE UNDERDRAIN		

ISOLATOR ROW PLUS
(SEE DETAIL/TYP 2 PLACES)

PLACE MINIMUM 12.50' OF ADSPLUS125 WOVEN GEOTEXTILE OVER BEDDING STONE AND UNDERNEATH CHAMBER FEET FOR SCOUR PROTECTION AT ALL CHAMBER INLET ROWS

BED LIMITS

NOTES

- MANIFOLD SIZE TO BE DETERMINED BY SITE DESIGN ENGINEER. SEE TECH NOTE #6.32 FOR MANIFOLD SIZING GUIDANCE.
- DUE TO THE ADAPTATION OF THIS CHAMBER SYSTEM TO SPECIFIC SITE AND DESIGN CONSTRAINTS, IT MAY BE NECESSARY TO CUT AND COUPLE ADDITIONAL PIPE TO STANDARD MANIFOLD COMPONENTS IN THE FIELD.
- THE SITE DESIGN ENGINEER MUST REVIEW ELEVATIONS AND IF NECESSARY ADJUST GRADING TO ENSURE THE CHAMBER COVER REQUIREMENTS ARE MET.
- THIS CHAMBER SYSTEM WAS DESIGNED WITHOUT SITE-SPECIFIC INFORMATION ON SOIL CONDITIONS OR BEARING CAPACITY. THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR DETERMINING THE SUITABILITY OF THE SOIL AND PROVIDING THE BEARING CAPACITY OF THE INSITU SOILS. THE BASE STONE DEPTH MAY BE INCREASED OR DECREASED ONCE THIS INFORMATION IS PROVIDED.
- **NOT FOR CONSTRUCTION:** THIS LAYOUT IS FOR DIMENSIONAL PURPOSES ONLY TO PROVE CONCEPT & THE REQUIRED STORAGE VOLUME CAN BE ACHIEVED ON SITE.

HENSON DISPOSAL CENTER
BLOOMINGTON, IL, USA
DRAWN: KF
CHECKED: N/A
DATE:
PROJECT #:

DESCRIPTION	CHK	DRW	DATE

THIS DRAWING HAS BEEN PREPARED BASED ON INFORMATION PROVIDED TO ADS UNDER THE DIRECTION OF THE SITE DESIGN ENGINEER. THE SITE DESIGN ENGINEER SHALL REVIEW THIS DRAWING PRIOR TO CONSTRUCTION. IT IS THE ULTIMATE RESPONSIBILITY OF THE SITE DESIGN ENGINEER TO ENSURE THAT THE PRODUCT(S) DEPICTED AND ALL ASSOCIATED DETAILS MEET ALL APPLICABLE LAWS, REGULATIONS, AND PROJECT REQUIREMENTS.

StormTech®
Chamber System
888-892-2694 | WWW.STORMTECH.COM

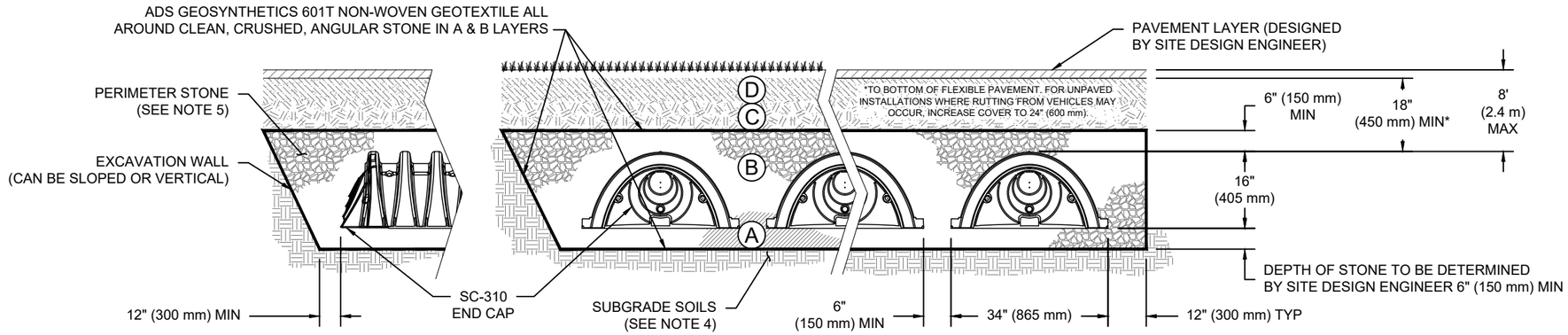
4640 TRUEMAN BLVD
HILLIARD, OH 43026
1-800-733-7473

0 20 40

ACCEPTABLE FILL MATERIALS: STORMTECH SC-310 CHAMBER SYSTEMS

MATERIAL LOCATION		DESCRIPTION	AASHTO MATERIAL CLASSIFICATIONS	COMPACTION / DENSITY REQUIREMENT
D	**FINAL FILL:** FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISHED GRADE ABOVE. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE 'D' LAYER.	ANY SOIL/ROCK MATERIALS, NATIVE SOILS, OR PER ENGINEER'S PLANS. CHECK PLANS FOR PAVEMENT SUBGRADE REQUIREMENTS.	N/A	PREPARE PER SITE DESIGN ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS.
C	**INITIAL FILL:** FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE ('B' LAYER) TO 18" (450 mm) ABOVE THE TOP OF THE CHAMBER. NOTE THAT PAVEMENT SUBBASE MAY BE A PART OF THE 'C' LAYER.	GRANULAR WELL-GRADED SOIL/AGGREGATE MIXTURES, <35% FINES OR PROCESSED AGGREGATE. MOST PAVEMENT SUBBASE MATERIALS CAN BE USED IN LIEU OF THIS LAYER.	AASHTO M145[1] A-1, A-2-4, A-3 OR AASHTO M43[1] 3, 357, 4, 467, 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10	BEGIN COMPACTIONS AFTER 12" (300 mm) OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 6" (150 mm) MAX LIFTS TO A MIN. 95% PROCTOR DENSITY FOR WELL GRADED MATERIAL AND 95% RELATIVE DENSITY FOR PROCESSED AGGREGATE MATERIALS. ROLLER GROSS VEHICLE WEIGHT NOT TO EXCEED 12,000 lbs (53 kN). DYNAMIC FORCE NOT TO EXCEED 20,000 lbs (89 kN).
B	**EMBEDMENT STONE:** FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE ('A' LAYER) TO THE 'C' LAYER ABOVE.	CLEAN, CRUSHED, ANGULAR STONE	AASHTO M43[1] 3, 357, 4, 467, 5, 56, 57	NO COMPACTION REQUIRED.
A	**FOUNDATION STONE:** FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER.	CLEAN, CRUSHED, ANGULAR STONE	AASHTO M43[1] 3, 357, 4, 467, 5, 56, 57	PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE.[2,3]

PLEASE NOTE:
1. THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE: "CLEAN, CRUSHED, ANGULAR NO. 4 (AASHTO M43) STONE".
2. STORMTECH COMPACTION REQUIREMENTS ARE MET FOR 'A' LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 6" (150 mm) (MAX) LIFTS USING TWO FULL COVERAGES WITH A VIBRATORY COMPACTOR.
3. WHERE INFILTRATION SURFACES MAY BE COMPROMISED BY COMPACTION, FOR STANDARD DESIGN LOAD CONDITIONS, A FLAT SURFACE MAY BE ACHIEVED BY RAKING OR DRAGGING WITHOUT COMPACTION EQUIPMENT. FOR SPECIAL LOAD DESIGNS, CONTACT STORMTECH FOR COMPACTION REQUIREMENTS.
4. ONCE LAYER 'C' IS PLACED, ANY SOIL/MATERIAL CAN BE PLACED IN LAYER 'D' UP TO THE FINISHED GRADE. MOST PAVEMENT SUBBASE SOILS CAN BE USED TO REPLACE THE MATERIAL REQUIREMENTS OF LAYER 'C' OR 'D' AT THE SITE DESIGN ENGINEER'S DISCRETION.



NOTES:

1. CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2922 (POLETHYLENE) OR ASTM F2418 (POLYPROPYLENE), "STANDARD SPECIFICATION FOR CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
2. SC-310 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
3. THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR ASSESSING THE BEARING RESISTANCE (ALLOWABLE BEARING CAPACITY) OF THE SUBGRADE SOILS AND THE DEPTH OF FOUNDATION STONE WITH CONSIDERATION FOR THE RANGE OF EXPECTED SOIL MOISTURE CONDITIONS.
4. PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
5. REQUIREMENTS FOR HANDLING AND INSTALLATION:
   - TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LUGS.
   - TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 2".
   - TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, a) THE ARCH STIFFNESS CONSTANT SHALL BE GREATER THAN OR EQUAL TO 400 LBS/FT/%. THE ASC IS DEFINED IN SECTION 6.2.8 OF ASTM F2418. AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.

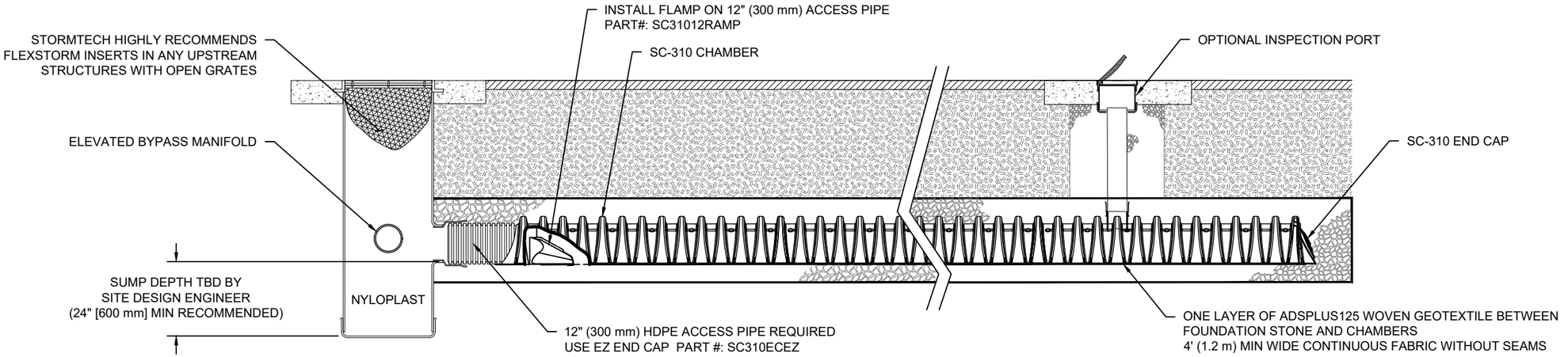
HENSON DISPOSAL CENTER
BLOOMINGTON, IL, USA
DATE: DRAWN: KF CHECKED: N/A
PROJECT #:

DATE	DRW	CHK	DESCRIPTION

THIS DRAWING HAS BEEN PREPARED BASED ON INFORMATION PROVIDED TO ADS UNDER THE DIRECTION OF THE SITE DESIGN ENGINEER OR OTHER PROJECT REPRESENTATIVE. THE SITE DESIGN ENGINEER SHALL REVIEW THIS DRAWING PRIOR TO CONSTRUCTION. IT IS THE ULTIMATE RESPONSIBILITY OF THE SITE DESIGN ENGINEER TO ENSURE THAT THE PRODUCT(S) DEPICTED AND ALL ASSOCIATED DETAILS MEET ALL APPLICABLE LAWS, REGULATIONS, AND PROJECT REQUIREMENTS.

StormTech® Chamber System
888-892-2694 | WWW.STORMTECH.COM

4640 TRUEMAN BLVD
HILLIARD, OH 43026
1-800-733-7473



SC-310 ISOLATOR ROW PLUS DETAIL

NTS

INSPECTION & MAINTENANCE

STEP 1) INSPECT ISOLATOR ROW PLUS FOR SEDIMENT
- A. INSPECTION PORTS (IF PRESENT)
  - A.1. REMOVE/OPEN LID ON NYLOPLAST INLINE DRAIN
  - A.2. REMOVE AND CLEAN FLEXSTORM FILTER IF INSTALLED
  - A.3. USING A FLASHLIGHT AND STADIA ROD, MEASURE DEPTH OF SEDIMENT AND RECORD ON MAINTENANCE LOG
  - A.4. LOWER A CAMERA INTO ISOLATOR ROW PLUS FOR VISUAL INSPECTION OF SEDIMENT LEVELS (OPTIONAL)
  - A.5. IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.
- B. ALL ISOLATOR PLUS ROWS
  - B.1. REMOVE COVER FROM STRUCTURE AT UPSTREAM END OF ISOLATOR ROW PLUS
  - B.2. USING A FLASHLIGHT, INSPECT DOWN THE ISOLATOR ROW PLUS THROUGH OUTLET PIPE
    - i) MIRRORS ON POLES OR CAMERAS MAY BE USED TO AVOID A CONFINED SPACE ENTRY
    - ii) FOLLOW OSHA REGULATIONS FOR CONFINED SPACE ENTRY IF ENTERING MANHOLE
  - B.3. IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.

STEP 2) CLEAN OUT ISOLATOR ROW PLUS USING THE JETVAC PROCESS
- A. A FIXED CULVERT CLEANING NOZZLE WITH REAR FACING SPREAD OF 45" (1.1 m) OR MORE IS PREFERRED
- B. APPLY MULTIPLE PASSES OF JETVAC UNTIL BACKFLUSH WATER IS CLEAN
- C. VACUUM STRUCTURE SUMP AS REQUIRED

STEP 3) REPLACE ALL COVERS, GRATES, FILTERS, AND LIDS; RECORD OBSERVATIONS AND ACTIONS.

STEP 4) INSPECT AND CLEAN BASINS AND MANHOLES UPSTREAM OF THE STORMTECH SYSTEM.

NOTES

1. INSPECT EVERY 6 MONTHS DURING THE FIRST YEAR OF OPERATION. ADJUST THE INSPECTION INTERVAL BASED ON PREVIOUS OBSERVATIONS OF SEDIMENT ACCUMULATION AND HIGH WATER ELEVATIONS.

2. CONDUCT JETTING AND VACTORING ANNUALLY OR WHEN INSPECTION SHOWS THAT MAINTENANCE IS NECESSARY.

HENSON DISPOSAL CENTER
BLOOMINGTON, IL, USA
DATE:
DRAWN: KF
PROJECT #:
CHECKED: N/A

DATE	DRW	CHK	DESCRIPTION

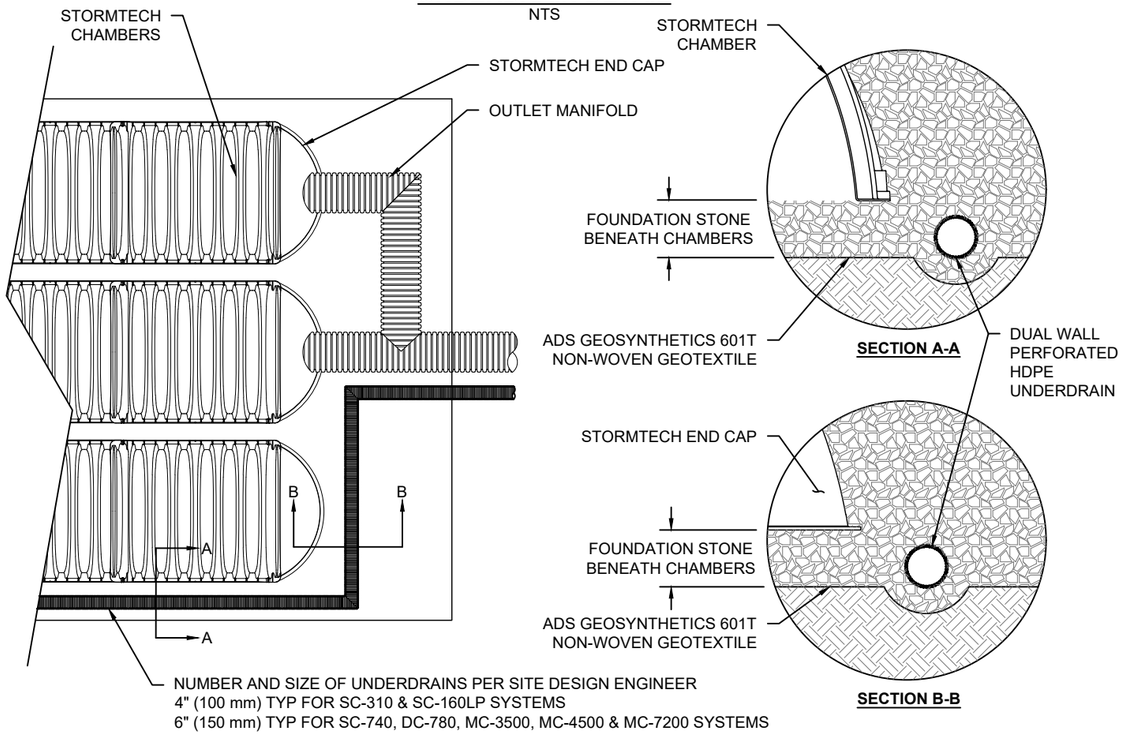
THIS DRAWING HAS BEEN PREPARED BASED ON INFORMATION PROVIDED TO ADS UNDER THE DIRECTION OF THE SITE DESIGN ENGINEER OR OTHER PROJECT REPRESENTATIVE. THE SITE DESIGN ENGINEER SHALL REVIEW THIS DRAWING PRIOR TO CONSTRUCTION. IT IS THE ULTIMATE RESPONSIBILITY OF THE SITE DESIGN ENGINEER TO ENSURE THAT THE PRODUCT(S) DEPICTED AND ALL ASSOCIATED DETAILS MEET ALL APPLICABLE LAWS, REGULATIONS, AND PROJECT REQUIREMENTS.

StormTech®
Chamber System
888-892-2694 | WWW.STORMTECH.COM

4640 TRUEMAN BLVD
HILLIARD, OH 43026
1-800-733-7473

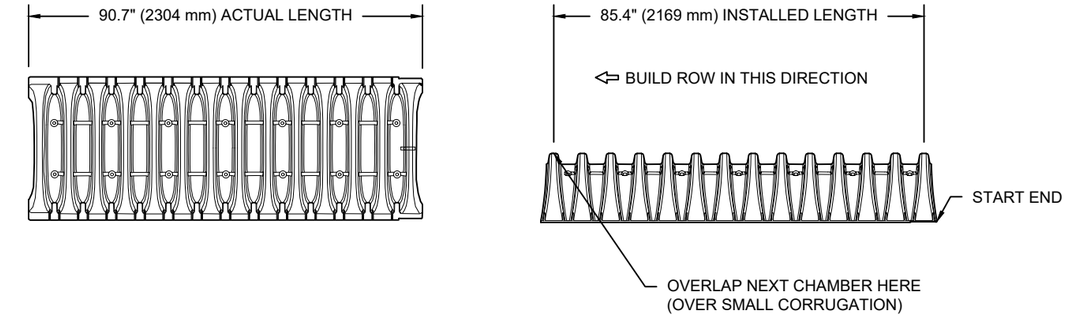
UNDERDRAIN DETAIL

NTS



SC-310 TECHNICAL SPECIFICATION

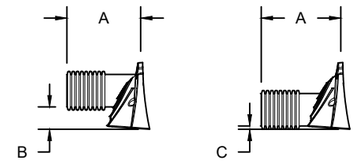
NTS



NOMINAL CHAMBER SPECIFICATIONS

SIZE (W X H X INSTALLED LENGTH)	34.0" X 16.0" X 85.4"	(864 mm X 406 mm X 2169 mm)
CHAMBER STORAGE	14.7 CUBIC FEET	(0.42 m³)
MINIMUM INSTALLED STORAGE*	31.0 CUBIC FEET	(0.88 m³)
WEIGHT	35.0 lbs.	(16.8 kg)

*ASSUMES 6" (152 mm) ABOVE, BELOW, AND BETWEEN CHAMBERS



PRE-FAB STUB AT BOTTOM OF END CAP WITH FLAMP END WITH "BR"
PRE-FAB STUBS AT BOTTOM OF END CAP FOR PART NUMBERS ENDING WITH "B"
PRE-FAB STUBS AT TOP OF END CAP FOR PART NUMBERS ENDING WITH "T"
PRE CORED END CAPS END WITH "PC"

PART #	STUB	A	B	C
SC310EPE06T / SC310EPE06TPC	6" (150 mm)	9.6" (244 mm)	5.8" (147 mm)	---
SC310EPE06B / SC310EPE06BPC			---	0.5" (13 mm)
SC310EPE08T / SC310EPE08TPC	8" (200 mm)	11.9" (302 mm)	3.5" (89 mm)	---
SC310EPE08B / SC310EPE08BPC			---	0.6" (15 mm)
SC310EPE10T / SC310EPE10TPC	10" (250 mm)	12.7" (323 mm)	1.4" (36 mm)	---
SC310EPE10B / SC310EPE10BPC			---	0.7" (18 mm)
SC310ECEZ*	12" (300 mm)	13.5" (343 mm)	---	0.9" (23 mm)

ALL STUBS, EXCEPT FOR THE SC310ECEZ ARE PLACED AT BOTTOM OF END CAP SUCH THAT THE OUTSIDE DIAMETER OF THE STUB IS FLUSH WITH THE BOTTOM OF THE END CAP. FOR ADDITIONAL INFORMATION CONTACT STORMTECH AT 1-888-892-2694.

* FOR THE SC310ECEZ THE 12" (300 mm) STUB LIES BELOW THE BOTTOM OF THE END CAP APPROXIMATELY 0.25" (6 mm). BACKFILL MATERIAL SHOULD BE REMOVED FROM BELOW THE N-12 STUB SO THAT THE FITTING SITS LEVEL.

NOTE: ALL DIMENSIONS ARE NOMINAL

HENSON DISPOSAL CENTER
BLOOMINGTON, IL, USA
DATE:
DRAWN: KF
PROJECT #:
CHECKED: N/A

DATE	DRW	CHK	DESCRIPTION

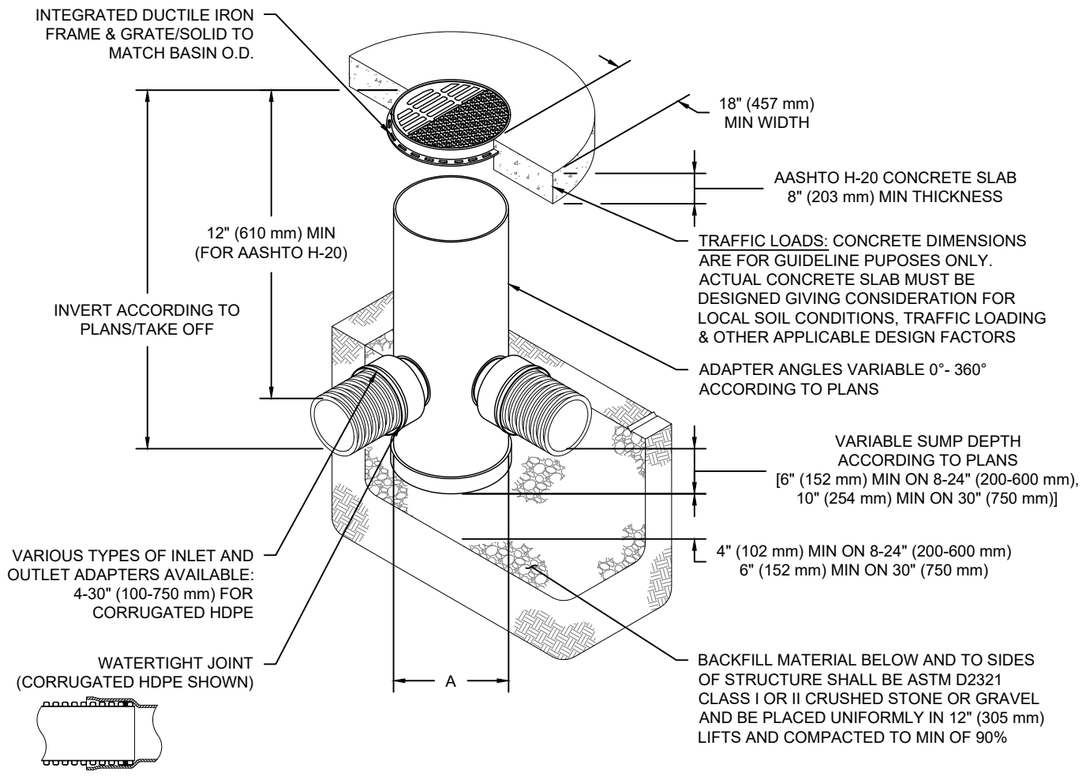
StormTech® Chamber System
888-892-2694 | WWW.STORMTECH.COM

ADS
4640 TRUEMAN BLVD
HILLIARD, OH 43026
1-800-733-7473

THIS DRAWING HAS BEEN PREPARED BASED ON INFORMATION PROVIDED TO ADS UNDER THE DIRECTION OF THE SITE DESIGN ENGINEER OF RESPONSIBILITY OF THE SITE DESIGN ENGINEER TO ENSURE THAT THE PRODUCT(S) DEPICTED AND ALL ASSOCIATED DETAILS MEET ALL APP
NGINEER OR OTHER PROJECT REPRESENTATIVE. THE SITE DESIGN ENGINEER SHALL REVIEW THIS DRAWING PRIOR TO CONSTRUCTION. IT IS THE ULTIMATE
EET ALL APPLICABLE LAWS, REGULATIONS, AND PROJECT REQUIREMENTS.

NYLOPLAST DRAIN BASIN

NTS



NOTES

1. 8-30" (200-750 mm) GRATES/SOLID COVERS SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05
2. 12-30" (300-750 mm) FRAMES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05
3. DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS
4. DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS & HANCOR DUAL WALL) & SDR 35 PVC
5. FOR COMPLETE DESIGN AND PRODUCT INFORMATION: **WWW.NYLOPLAST-US.COM**
6. TO ORDER CALL: **800-821-6710**

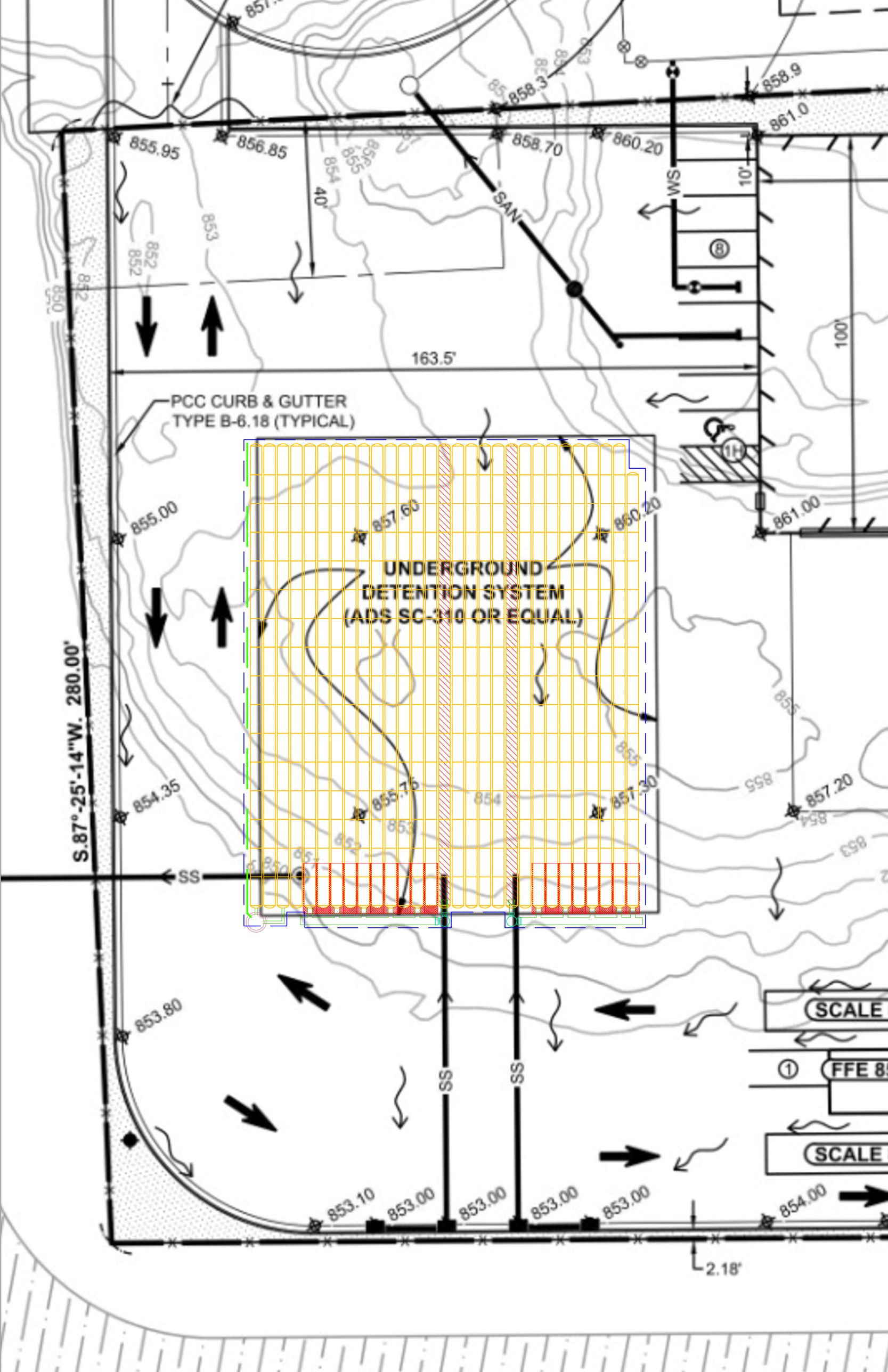
A	PART #	GRATE/SOLID COVER OPTIONS		
8" (200 mm)	2808AG	PEDESTRIAN LIGHT DUTY	STANDARD LIGHT DUTY	SOLID LIGHT DUTY
10" (250 mm)	2810AG	PEDESTRIAN LIGHT DUTY	STANDARD LIGHT DUTY	SOLID LIGHT DUTY
12" (300 mm)	2812AG	PEDESTRIAN AASHTO H-10	STANDARD AASHTO H-20	SOLID AASHTO H-20
15" (375 mm)	2815AG	PEDESTRIAN AASHTO H-10	STANDARD AASHTO H-20	SOLID AASHTO H-20
18" (450 mm)	2818AG	PEDESTRIAN AASHTO H-10	STANDARD AASHTO H-20	SOLID AASHTO H-20
24" (600 mm)	2824AG	PEDESTRIAN AASHTO H-10	STANDARD AASHTO H-20	SOLID AASHTO H-20
30" (750 mm)	2830AG	PEDESTRIAN AASHTO H-20	STANDARD AASHTO H-20	SOLID AASHTO H-20

HENSON DISPOSAL CENTER
BLOOMINGTON, IL, USA
DATE:
DRAWN: KF
PROJECT #:
CHECKED: N/A

DATE	DRW	CHK	DESCRIPTION

THIS DRAWING HAS BEEN PREPARED BASED ON INFORMATION PROVIDED TO ADS UNDER THE DIRECTION OF THE SITE DESIGN ENGINEER OF RESPONSIBILITY OF THE SITE DESIGN ENGINEER TO ENSURE THAT THE PRODUCT(S) DEPICTED AND ALL ASSOCIATED DETAILS MEET ALL APPLICABLE LAWS, REGULATIONS, AND PROJECT REQUIREMENTS.

Nyloplast®
770-932-2443 | WWW.NYLOPLAST-US.COM
4640 TRUEMAN BLVD
HILLIARD, OH 43026
1-800-733-7473


858.3
858.9
861.0
855.95
856.85
858.70
860.20
WS
10'
SAN
40'
853
852
850
163.5'
100'
PCC CURB & GUTTER
TYPE B-6.18 (TYPICAL)
1H
855.00
857.60
860.20
861.00
UNDERGROUND
DETENTION SYSTEM
(ADS SC-310 OR EQUAL)
S.87°-25'-14"W. 280.00'
854.35
855.75
857.30
857.20
SS
SS
SS
853.80
SCALE
FFE 85
SCALE
853.10
853.00
853.00
853.00
853.00
854.00
2.18'

APPENDIX 2-M:

LRS TARPING POLICY

HRC TRANSFER STATION
TARPING POLICY

The Lakeshore Recycling System's (LRS) HRC Transfer Station is committed to being a good neighbor in the community, including maintaining the cleanliness of the facility and minimizing blowing litter. We recognize that the collection vehicles and transfer trailers which use the HRC Transfer Station may contribute to these issues if they do not properly contain the waste in the vehicles.

The Illinois Department of Transportation requires that "No person shall operate or cause to be operated, on a highway, any second division vehicle loaded with dirt, aggregate, garbage, refuse or other similar material, when any portion of the load is falling, sifting, blowing dropping or in any way escaping from the vehicle." LRS will enforce a similar tarping policy for vehicles which use the HRC Transfer Station.

Policy

All incoming and outgoing vehicles that are hauling waste will be fully enclosed or properly tarped to prevent the release of waste or material from the vehicle onto the grounds or the public roadways. Vehicles with tarps will untarp in the staging area only (after the scale and prior to unloading in the transfer building). After unloading, any remaining loose waste will be removed or contained in the vehicle prior to exiting the site.

Outgoing transfer trailers will be properly tarped in the designated area after loading. Loaded transfer trailers will be tarped using auto tarpers prior to exiting the loading pit. No waste shall be hanging over the sides or remain outside the trailer, and the tarp must fully cover the trailer. Waste should not stick up above the height of the trailer. The tarp must be properly secured so that litter will not blow or spill during transport.

Drivers which are employed by LRS will be trained in the above procedures.

Enforcement

Employees at the HRC Transfer Station will be trained to understand this tarping policy and recognize non-compliant actions. If a driver is observed to be non-compliant by an employee, the employee will immediately notify the driver and remind the driver of the tarping policy. The employee will also notify the HRC Transfer Station operations manager, who will document the incident and notify the company representative who owns the vehicle. Multiple incidents of non-compliance may result in banning the driver and/or company from using the site in the future.

APPENDIX 2-N:

CIRA CORRESPONDENCE

Central Illinois Regional Airport
at Bloomington-Normal

July 25, 2023

Ms. Azra Hussain, P.E.
Program Manager, CHI-605
Federal Aviation Administration
Chicago Airports District Office
2300 East Devon Avenue
Des Plaines, Illinois 60018

Mr. Kenneth Taira
Safety Management Systems/Airport Certification
Federal Aviation Administration
FAA Office of Airports, Great Lakes Region
2300 East Devon Avenue
Des Plaines, Illinois 60018

Re: Notice of Proposed Land Use Modification/New Off Airport Facility

Dear Ms. Hussain/Mr. Taira,

In accordance with the direction provided by the FAA through Advisory Circular 150/5200-33C, Hazardous Wildlife Attractants on or near Airports, at Section 4.3.1, please accept this letter as formal notification of a proposed land use modification/new off airport facility under consideration within 5 miles of the Central Illinois Regional Airport (BMI). This proposed new structure would house an enclosed solid waste transfer station that, according to the plans presented by the project developer, would be designed and operated to be compatible with safe airport operations according to the standards in Section 2.2.4 of A.C. 150-5200-33C.

A review of the proposed project reveals the new facility will be located approximately 2.75 miles away from BMI and outside of the airport's approach and departure airspace (a 15-minute quadrangle map of the area has been attached). Additionally, a review of the proposed construction drawings shows the new facility to be fully enclosed on all sides and only served by trucks with covered loads, leaving no external or clinging waste materials on the trucks or outside of the facility while entering/exiting the facility via rapid close overhead doors. The facility will also collect and properly transport all putrescible wastewater/liquids off site after being collected into two (2) enclosed/underground containment facilities. Lastly, the proposed facility will incorporate odor control measures via a positive pressure ventilation/filtration system.

Further, to ensure proper notification and compliance, Airport Staff will be assisting the project developer with completing/submitting project specific 7460-1 materials relative to the specific site/construction activities. Additionally, Airport Staff will be conducting outreach/engagement with the project operator to assist, inform, and support proper wildlife hazard management training and mitigation efforts. Included in this, BMI will lend the operator the support of a U.S.D.A. Wildlife Biologist along with including the operator in the airport's ongoing Community Wildlife Hazard Mgmt. Working Group.

Alan Sender, Chairman Carl G. Olson, Executive Director J.Jay Allen John Hanson Jay Groves Nicholas Moran Tom Swearingen Millicent Roth

3201 CIRA Drive · Suite 200 · Bloomington, IL 61704 · 309-663-7384 · Fax 309-663-2430 · www.cira.com

Finally, it is important to note that in the event Airport Staff detects/identifies any lapse or noncompliance possibly resulting in an increased likelihood of wildlife hazards, we will immediately notify the project operator to mitigate these conditions in addition to formally advising the FAA and local permitting authority.

Going forward please do not hesitate to follow up with our office if you have any questions or would like additional information.

Thank you for your consideration.

Sincerely,

Carl G. Olson
Executive Director

cc: Henson Disposal & Recycling Company

APPENDIX 2-O:

OPERATING RECORD

File Number 0408708-9

STATE OF ILLINOIS

OFFICE OF THE SECRETARY OF STATE

To all to whom these Presents Shall Come, Greeting:

I, **Alexi Giannoulias***, Secretary of State of the State of Illinois, do hereby certify that I am the keeper of the records of the Department of Business Services. I certify that*

LAKESHORE RECYCLING SYSTEMS, LLC, A DELAWARE LIMITED LIABILITY COMPANY HAVING OBTAINED ADMISSION TO TRANSACT BUSINESS IN ILLINOIS ON NOVEMBER 05, 2012, APPEARS TO HAVE COMPLIED WITH ALL PROVISIONS OF THE LIMITED LIABILITY COMPANY ACT OF THIS STATE, AND AS OF THIS DATE IS IN GOOD STANDING AS A FOREIGN LIMITED LIABILITY COMPANY ADMITTED TO TRANSACT BUSINESS IN THE STATE OF ILLINOIS.

In Testimony Whereof, *I hereto set my hand and cause to be affixed the Great Seal of the State of Illinois, this* 14TH *day of* AUGUST *A.D.* 2023 .

Authentication #: 2322604758 verifiable until 08/14/2024

Authenticate at: https://www.ilsos.gov

SECRETARY OF STATE

Lakeshore Recycling Systems, LLC and Related Entities
Solid Waste Management Operating Experience

Property	Facility Type	Alleged Violations
Heartland Recycling, 6201 West Canal Bank Road, Forest View, Illinois 60402	MSW Transfer Station; C&D Recycling and Transfer Facility; and single stream sorting facility	On July 18, 2023, a violation notice was issued by Cook County to Heartland Recycling alleging the acceptance of a small number of containers of liquid hazardous waste for solidifcation and off-site disposal. The containers were inadvertently accepted due to a mis-identification mistake by a hauler. The containers were subsequently identified and hauled to a permitted disposal facility. The issue is in the process of being resolved.
Packers Recycling and Transfer, 1300 South Exchange Avenue, Chicago, Illinois 60609	MSW Transfer Station; C&D Recycling and Transfer Facility; and single stream sorting facility	None.
West DuPage Recycling and Transfer, 1655 Powis Road, West Chicago, Illinois 60185	C&D Recycling and Transfer Facility	None.
41st Street Recycling Facility, 4055 South Packers Avenue, Chicago, Illinois 60609	Class V Recycling Facility (non-operational)	None.
Eco Hill, 137 Commercial Drive, Atkinson, Illinois 61235	MSW Landfill	1) Ecology Solutions LLC is party to a consent order that requires various activities to be completed at Eco Hill in Atkinson, Illinois. The consent order was the result of alleged violations from the previous owner/operator. Ecology Solutions LLC agreed to the stipulations of the consent order as part of its acquisition of the landfill. All activities required by the consent order were certified in February 2023 to be completed. 2) In June 2023, the Bureau of Air issued a violation notice (A-2023-00058) alleging that a gas collection and control system and flare were constructed and being operated without the appropriate permits. This issue is in process of being resolved with the IEPA.
Royal Recycling Service, 4197 Reardon Road De Forest, Dane County, Wisconsin 53532	C&D Recycling and Transfer Facility	On August 16, 2019, a notice of non-compliance was received from the Wisconsin DNR indicating that construction and demolition (C&D) fines have been disposed of in the Norway Grove Park quarry pit, and that the disposal at that location should cease [NR 502.08(6)(n), Wis. Admin. Code]. The previous owner/operator had been using this dipsosal location. Royal Recycling Service responded that the C&D fines are no longer disposed at the Norway Grove Park quarry pit. As of June 26, 2019, the C&D fines are now being taken to the Orchard Hills Landfill in Davis Junction, Illinois. No fines were issued.
Lakeshore Reycling Systems, 3152 South California Avenue, Chicago 60623	MSW Transfer Station; C&D Recycling and Transfer Facility	None.
Mayflower Landfill, 43 White City Road, Mayflower, Arkansas 72106	C&D Landfill	None.
DC Recycling, 1N138 Linlar Drive, Elburn, Illinois 60119	MSW Transfer Station	None.
Maywood, 1301 Greenwood Avenue, Maywood, Illinois 60153	MSW Transfer Station	None.
Monmouth Transfer Station, 836 186th Avenue, Monmouth, Illinois 61462	MSW Transfer Station	On August 2, 2023, Monmouth Transfer Station received a violation notice from the Illinois EPA indicating residential paint and electronic waste were stored outside the transfer station building. The notice also mentioned that the facility had one extra 30-yard containers for the storage of over-sized items and one extra eight-yard container for recycables that were not included in the permit. All items have been addressed and the facility will be meeting with the Illinois EPA to discuss the contents listed in this notice in September 2023.
Northbrook Transfer Station, 2750 Shermer Road, Northbrook, Illinois 60062	MSW Transfer Station	None.
Rolling Meadows Transfer Station, 3851 Berdnick Street, Rolling Meadows, Illinois 60008	MSW Transfer Station	None.
Broadway Resource Recovery, 111 22nd Avenue N, Minneapolis, Minnesota 55411	C&D Recycling and Transfer Facility	None.
Rolling Hills Landfill, 175 County Road 37 NE, Buffalo, Minnesota 55313	Closed MSW Landfill and open Industrial Landfill with limited capacity	None.
Rochester Recycling Facility, 4245 Highway 14 East, Rochester, Minnesota 55904	Recyclables Materials Transfer Facility	None.
Dane County Transfer Station, 7102 US Highway 12 and 18, Madison, Wisconsin 53718	MSW Transfer Station	None.
Milwaukee Transfer Station, 2431 North 30th Street, Milwaukee, Wisconsin 53210	MSW Transfer Station	None.
Junoll Transfer Station, 1020 Webster Street, South Bend, Indiana 46619	MSW Transfer Station	None.
Sunshine Transfer Station, 943 2nd Avenue Southwest, Stewartville, Minnesota 55976	MSW Transfer Station	None.

Lakeshore Recycling Systems, LLC and Related Entities
Solid Waste Management Operating Experience

Property	Facility Type	Alleged Violations
Michiana Recycling and Disposal Company, 2275 Reum Road, Cass County, Michigan	MSW Transfer Station	None.
Hillsdale Transfer Station, 425 West Carleton Road, Hillsdale, Michigan	MSW Transfer Station	None.
Modern Waste Systems, 7245 Brooklyn Road, Jackson, Michigan	MSW Transfer Station	None.
Henson Bloomington Recycling Center, 2148 Tri Lakes Road, Bloomington, Illinois	C&D Recycling and Transfer Facility	On March 13, 2023, a violation notice was issued by the IEPA to Henson Disposal, Inc. alleging violations of various operating and permitting requirements. The issues are in the process of being resolved with the IEPA.
Henson Urbana Recycling Center, 910 Saline Court, Urbana, Illinois	C&D Recycling and Transfer Facility	On April 6, 2023, a violation notice was issued by the IEPA to Henson Disposal, Inc. alleging violations of various operating requirements. The issues are in the process of being resolved with the IEPA.
Moen Transfer Station, 2277 Moen Avenue, Rockdale, Illinois	MSW Transfer Station	None.

LAND USE COMPATIBILITY
AND
REAL ESTATE IMPACT STUDY

The Proposed Henson Recycling Campus Transfer Station

LOCATION

HDI Court
McLean County, Bloomington Illinois 61704

PREPARED FOR

Lakeshore Recycling Systems, LLC
c/o Mr. John Larsen
Chief Operating Officer
5500 Pearl Street
Rosemont, Illinois 60018

PREPARED BY

Dale J. Kleszynski, MAI, SRA
Patrick A. Kleszynski, MAI
15028 South Cicero Avenue
Suite L
Oak Forest, Illinois 60053

AS OF

July 10, 2023

ASSOCIATED PROPERTY COUNSELORS, LTD.

Real Estate Appraisers and Consultants

ASSOCIATED PROPERTY COUNSELORS, LTD.
Real Estate Appraisers and Consultants

15028 South Cicero Avenue, Suite L
Oak Forest, Illinois, 60452
Phone: 708-535-6900
Fax : 708-535-6969
www.apclimited.com

Dale J. Kleszynski, MAI, SRA, President
dale@apclimited.com
Patrick A. Kleszynski, MAI, Vice President
pat@apclimited.com

August 14, 2023

Lakeshore Recycling Systems, LLC
c/o Mr. John Larsen
Chief Operating Officer
5500 Pearl Street
Rosemont, Illinois 60018

Re: Land Use Compatibility
and Real Estate Impact Study
The Proposed Henson Recycling Campus Transfer Station
McLean County, Bloomington Illinois

Dear Mr. Larsen:

At the request of Lakeshore Recycling Systems, LLC (LRS), Associated Property Counselors, Ltd. (APC) completed a study of the Proposed Henson Recycling Campus Transfer Station to determine if the development satisfies Illinois Environmental Protection Act, 415 ILCS 5/39.2 (a) (iii), commonly referred to as "Criterion 3". Criterion 3 requires that "the facility is located so as to minimize incompatibility with the character of the surrounding area and to minimize the effect on the value of the surrounding property".

The attached report describes the applied methodology and contains pertinent data gathered while completing this study. The study and report are intended to meet the applicable Law in the State of Illinois, the Uniform Standards of Professional Appraisal Practice and the Code of Ethics of the Appraisal Institute.

Based on my analysis, APC concludes that the Proposed Henson Recycling Campus Transfer Station is located "so as to minimize incompatibility with the character of the surrounding area and to minimize the effect on the value of the surrounding property" and meets the standards of "Criterion 3".

If you have any questions, please contact me.

Respectfully submitted,

Dale J. Kleszynski, MAI, SRA
President
Illinois License Number 553.000213
Expires 9/30/2023

Patrick A. Kleszynski, MAI
Vice President
Associated Property Counselors, Ltd.
Certified General Real Estate Appraiser (IL License Number 553.002510)
Expires 9/30/2023

3.1 INTRODUCTION

The Illinois Environmental Protection Act, at 415 ILCS 5/39.2 (a)(iii), requires that an applicant for a transfer station siting demonstrate that the proposed facility is located so as to minimize incompatibility with the character of the surrounding area and to minimize the effect on the value of the surrounding property. Associated Property Counselors, Ltd. (APC) completed a study of the Proposed Henson Recycling Campus Transfer Station to determine whether the proposed development satisfies this requirement.

This section of the report contains items that are required to meet the Uniform Standards of Professional Appraisal Practice and the Code of Ethics of the Appraisal Institute. Subsequent sections of the report describe the applied methodology and contain pertinent data gathered while completing this study.

INTENDED USER OF THE REPORT

In this matter, the client is identified as Lakeshore Recycling Systems, LLC. Mr. John Larsen represents the client. The client is the intended user of the study and report. Additional intended users will be named later, if necessary. No other user is intended or implied.

INTENDED USE OF THE REPORT

This study and report are to be used by the client as part of the siting application for the Proposed Henson Recycling Campus Transfer Station. The improvements are to be developed and located at the Proposed Henson Recycling Campus Transfer Station, McLean County, Bloomington, Illinois. No other use is intended or implied.

IDENTIFICATION OF THE REAL ESTATE

The subject property is located east of Bunn Street, south and west of the Norfolk and Southern Railroad Right of Way and north of East Hamilton Road/Rhodes Lane. The proposed location of the transfer station is an interior section of an existing recycling/industrial campus. The proposed transfer station site has no frontage on Bunn Street. Access will be from HDI Court (a proposed public street). The property is further identified as a portion of Permanent Real Estate Tax Index Number(s) 21-15-152-010. The location and layout of the subject property can best be understood by viewing the various illustrations that are located elsewhere in this report.

PROPERTY RIGHTS AND MARKET VALUE

Neither the subject property nor any adjacent properties have been evaluated as part of this study. Where applied, the term “Market Value” refers to the fee simple estate. The Dictionary of Real Estate Appraisal, Seventh Edition, defines fee simple estate as the “absolute ownership unencumbered by any other interest or estate, subject only to the limitations imposed by the governmental powers of taxation, eminent domain, police power, and escheat.”

Where applied, the definition of Market Value is taken from the Appraisal of Real Estate, Fifteenth Edition.

PURPOSE OF THE STUDY

The purpose of this study is to determine if the proposed transfer station complies with the applicable standards of the State of Illinois as set forth in the Illinois Environmental Protection Act, 415 ILCS 5/39.2 (a) (iii), commonly referred to as “Criterion 3”. Criterion 3 requires that “the facility is located so as to minimize incompatibility with the character of the surrounding area and to minimize the effect on the value of the surrounding property”.

EFFECTIVE DATE OF THE STUDY

The effective date of the study is July 10, 2023.

EFFECTIVE DATE OF THE REPORT

The effective date of the report is August 14, 2023.

COMPLIANCE WITH USPAP

This study and report are completed in compliance with the applicable law in the State of Illinois, the Uniform Standards of Professional Appraisal Practice and the Code of Ethics of the Appraisal Institute. Additional data is retained in my file and/or office.

DISCLOSURE OF PAST WORK, EXTRAORDINARY ASSUMPTIONS, HYPOTHETICAL CONDITIONS AND/OR SPECIAL LIMITING CONDITIONS

Neither Associated Property Counselors, Ltd., Dale J. Kleszynski, MAI, SRA nor Patrick A. Kleszynski, MAI has completed professional services associated with this property during the past three years.

The description of the proposed improvements is based on information provided by Andrews Engineering, Inc. (AEI) and Civil & Environmental Consultants, Inc. (CEC). The provided information includes, but is not limited to, multiple drawings, proposed building elevations, the Local Siting Application, The EDR Aerial Photo Decade Package, and Section 2.2 of the AEI Criterion 2 report. APC reserves the right to amend this study and report if additional information becomes available or the subject transfer station is not developed in accordance with the provided plans and specifications.

There are no other extraordinary assumptions, hypothetical conditions, and/or special limiting conditions that impact the study and/or report.

3.2 EXISTING CONDITIONS AND PROPOSED DEVELOPMENT

The subject property is located off of HDI Court in Bloomington, Illinois.

A Regional Map showing the approximate location of the site is provided below. Information describing the City of Bloomington, taken from various sources, is also presented.

The drawings provided by CEC and AEI indicate that the subject property is located within the 42.00 acre Henson Recycling Center (HRC) that is generally bounded by Bunn Street on the west, the Norfolk and Southern Railroad Right of Way on the north and east, and East Hamilton Road/Rhodes Lane on the south. The subject property site of the Proposed Henson Recycling Campus Transfer Station is located approximately 1,000 feet east of Bunn Street with irregular frontage on a proposed interior roadway identified as HDI Court. The site on which the Proposed Henson Recycling Campus Transfer Station will be developed is irregular in shape and has approximately 3.09 acres or 134,600 square feet. Photographs and illustrations of the subject property showing the existing conditions are provided below.

Uses located within the Henson Recycling Campus (HRC), having approximately 42.00 acres (Identified on Figure 2), include a scale, scale house, offices, various internal roadways and a general construction/demolition debris recycling facility (C&D Recycling Facility). It is noteworthy that the C&D Recycling Facility includes a sorting system that is used to separate recyclable from non-recyclable materials. Material that is processed at this facility includes, but is not limited to, metal, cardboard, wood, concrete, aggregates and soils.

The HRC also includes a wood waste mulching and recycling operation. Within this portion of the HRC, wood waste (branches and stumps) are ground into saleable chips and mulch. Users of the end products produced include local and/or regional residents and businesses.

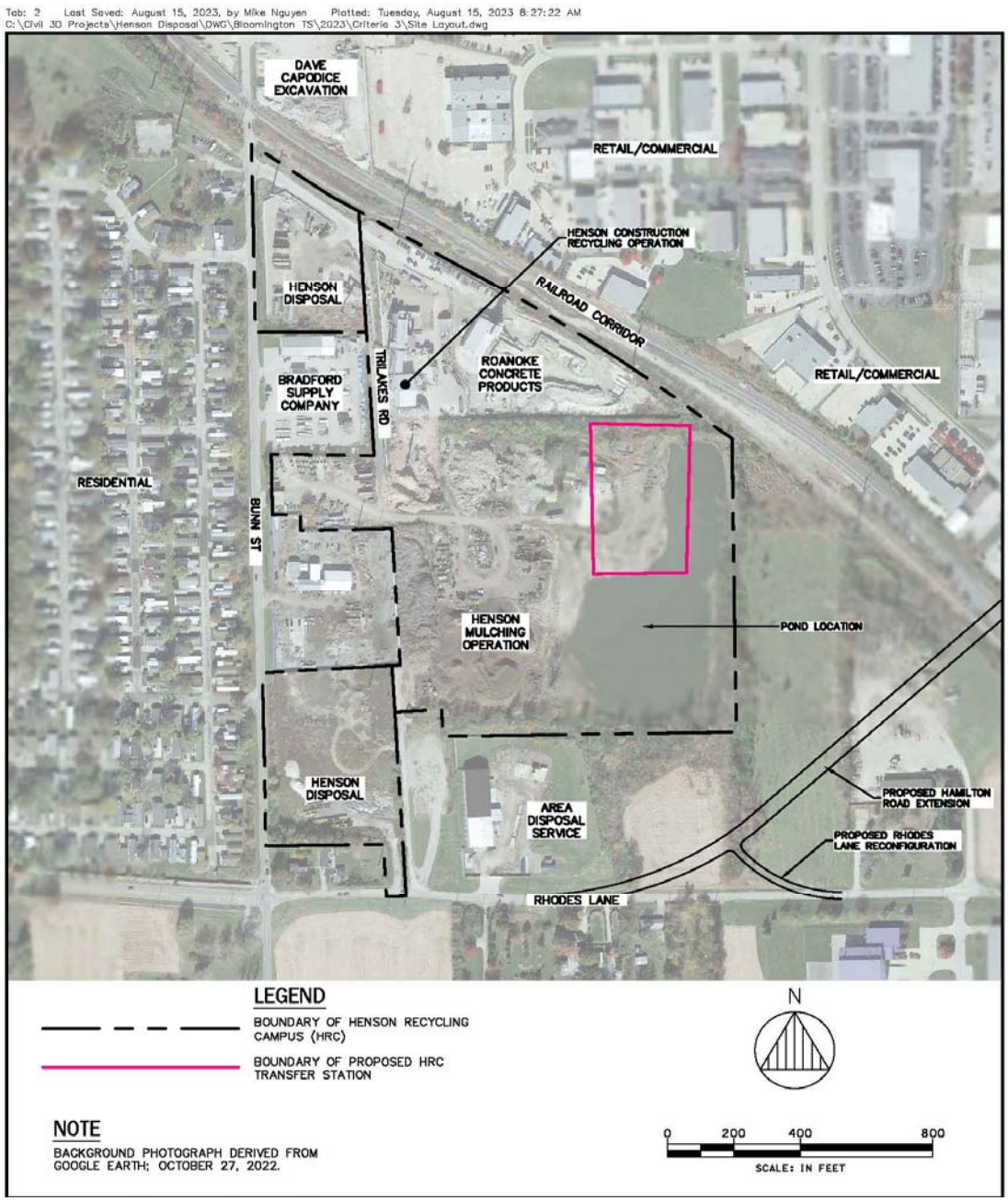
Within the portion of the HRC that is allocated to the concrete recycling operation, source separated concrete is crushed and recycled into saleable products that are used in roadway, construction and various construction projects.

Lastly, a portion of the HRC is operated by Roanoke Concrete Products. This facility produces ready-mix concrete for individuals and businesses. Unused ready-mix concrete is returned to the site and recycled.

Upon completion of construction, the subject facility will have approximately 12,000 square feet of building area and supporting improvements needed to operate the proposed transfer station. The property will be used to transfer municipal solid wastes and “single-stream” recyclables. The development will include a tipping floor, barrier walls, a loading pit, two scales, and bay doors. Additional improvements include enhanced stormwater management features in the form of two underground detention areas. Additional concrete pavement and improved access along Bunn Street will be completed as part of the project.

The transfer station will have access from Bunn Street and HDI Court. The topography of the property is generally level and at the grade of surrounding properties. This is typical of the area. All utilities are reported to be available in the area and to the subject property.

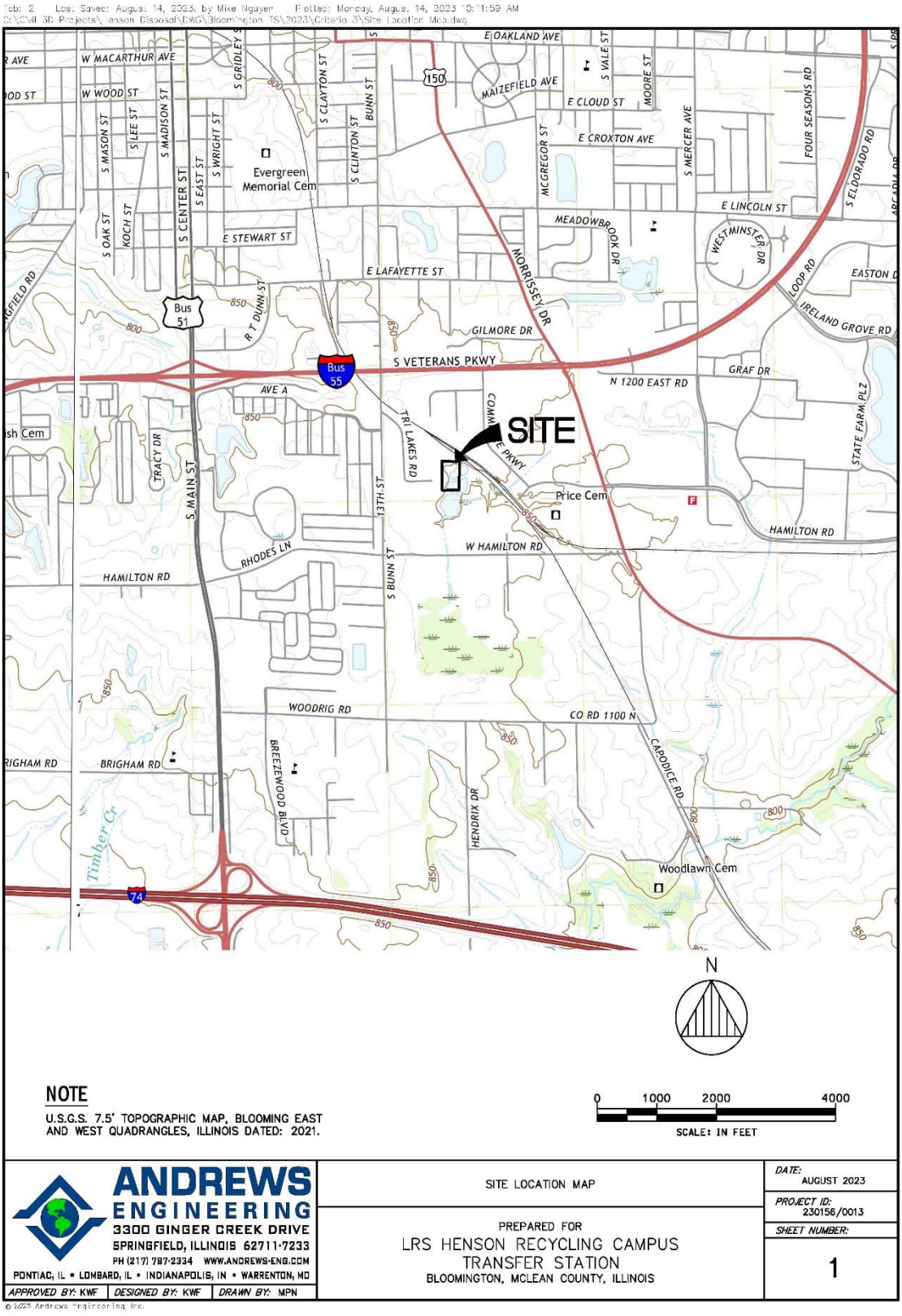
The primary transportation link to the subject property is Bunn Street. Bunn Street provides access to East Hamilton Road/Rhodes Lane to the south. East Hamilton Road/Rhodes Lane provide access to Main Street (Illinois Route 518) to the west and Morrissey Drive (Illinois Route 150) to the east. These primary roadways provide access to Interstates 74, 55 and Veterans Parkway. It is noteworthy that the Hamilton Road East/West project is scheduled to begin shortly. This proposed roadway improvement will enhance area access and further buffer the subject from adjacent applications. A Site Layout Map showing the noted roadways and site features is provided below.



AREA DATA

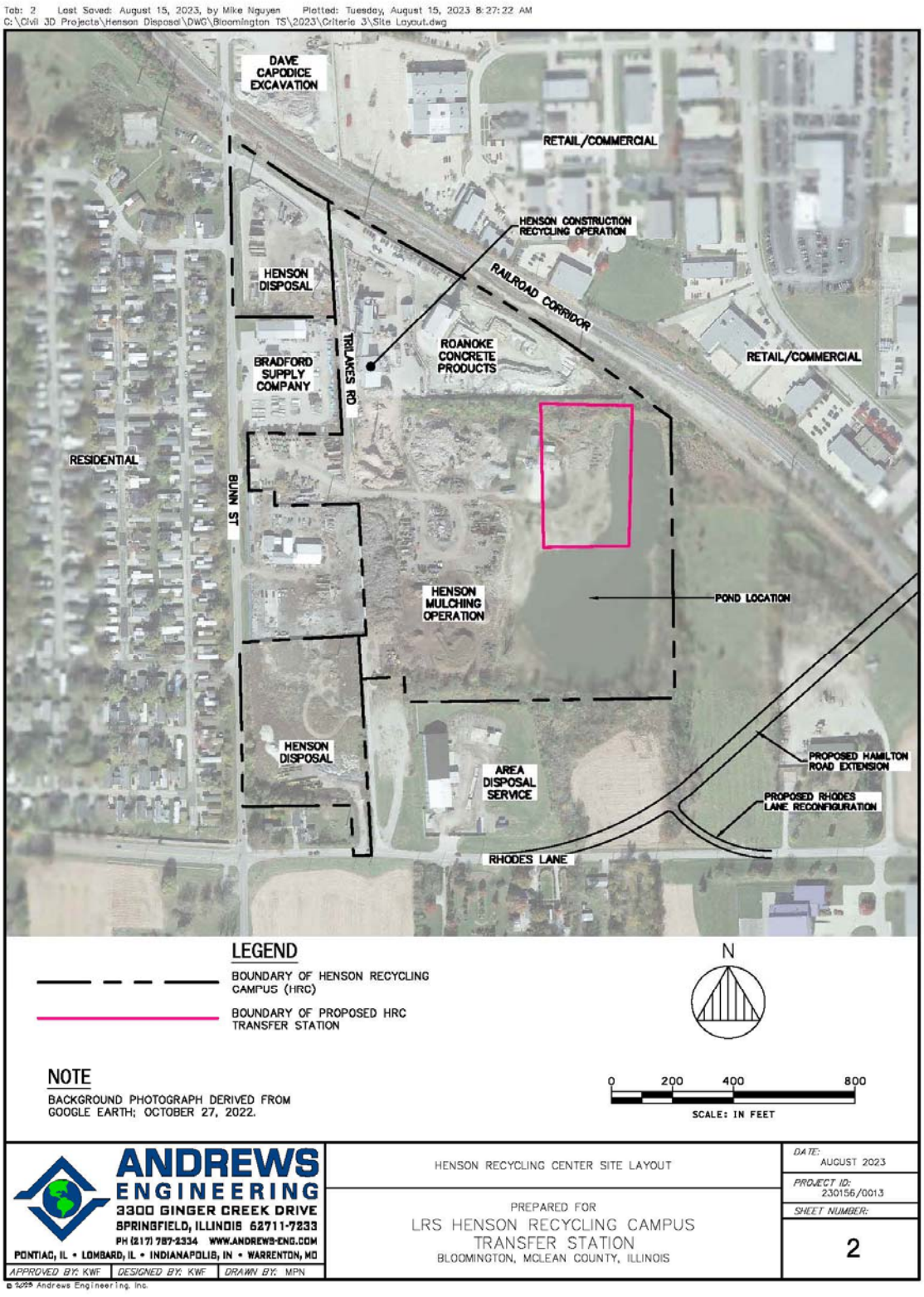
Location:	City of Bloomington McLean County, Illinois
Distance to Major Cities:	Chicago, Illinois 132 miles Indianapolis, Indiana 175 miles Detroit, Michigan 387 miles
Housing:	Bloomington is an established community with diverse home styles ranging from historic to new construction. According to the Multiple Listing Service, the average sale price of a home in Bloomington was $223,142 in 2022.
Health Care:	There is a wide availability of medical services in the Bloomington-Normal community. Health care needs are served by OSF Saint Joseph Medical Center and Bromenn Medical.
Education:	McLean County Unified School District 5 serves the City of Bloomington and surrounding areas. There are seventeen (17) public elementary schools serving grades kindergarten through 5, four (4) junior high schools serving grades 6 through 8 and two (2) high schools serving grades 9 through 12. In addition, there are a number of private and parochial schools that serve the area. Higher education needs are served by Heartland Community College, Illinois State University and Illinois Wesleyan University.
Recreational Facilities:	Recreational needs are well served by the Bloomington Parks and Recreation Department and McLean County. The city and county service numerous parks, three (3) public golf courses and two (2) public swimming pools as well as convenient water access for boating and fishing.
Labor Market:	Bloomington-Normal and McLean County have a large labor pool of both skilled and unskilled labor. The convenient location has attracted major industries to the area.
Employment:	Employment is provided by a number of area companies including State Farm, GROWMARK, Afni, Country Financing, Illinois Wesleyan University and the various health care systems.
Utilities:	Electricity and gas are provided by ComEd, Ameren, NiCor and other local suppliers. Municipal water, sewer and sanitation in the area are provided by Bloomington.
Transportation:	Bloomington and McLean County are located at the confluence of Interstates 55 and 74. This expressway system allows convenient access to all portions of the state. Public transportation is provided by Connect Transit. Regional air transportation is facilitated by Central Illinois Regional Airport.

REGIONAL AND LOCATION MAP



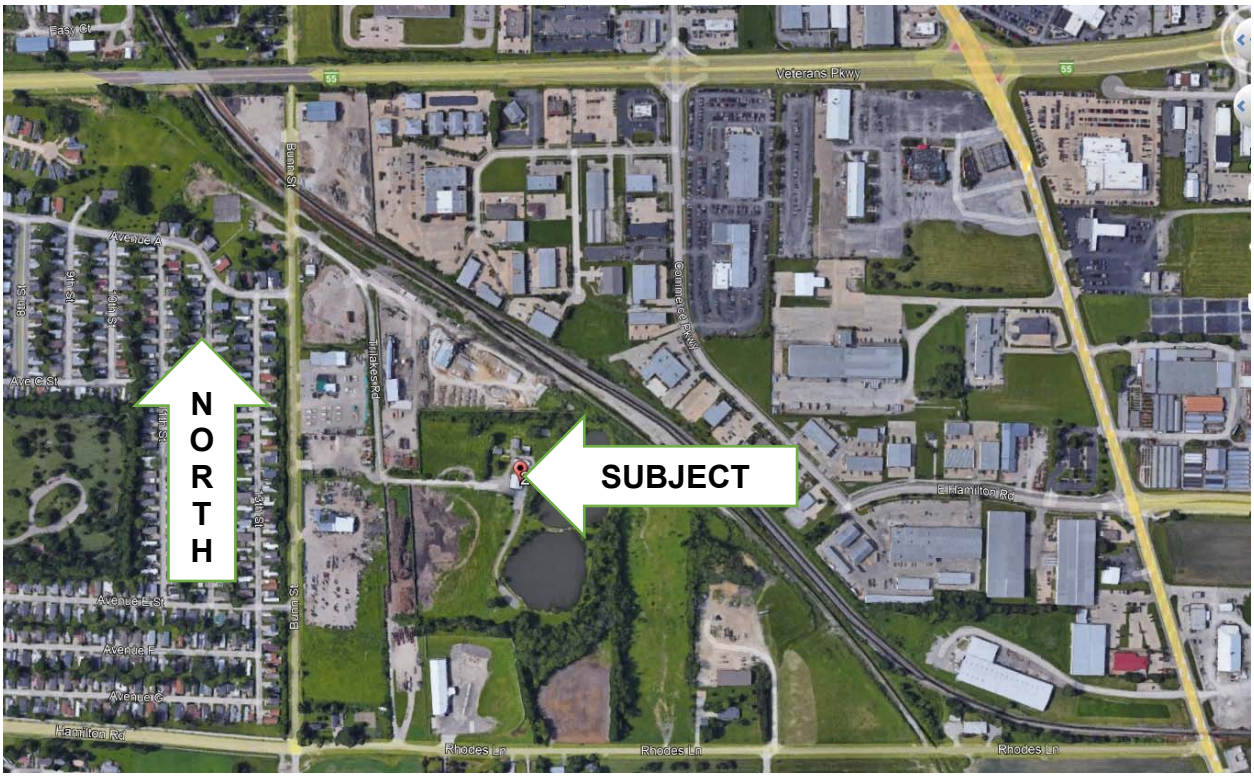
PHOTOGRAPHS OF THE SUBJECT PROPERTY

The following identifies the site features of the subject property and the HRC.



SUBJECT PROPERTY – AERIAL PHOTOGRAPH – HDC CAMPUS

PHOTOGRAPHS OF THE SUBJECT PROPERTY



SUBJECT PROPERTY - AERIAL

PHOTOGRAPHS OF THE SUBJECT PROPERTY
PROPOSED TRANSFER STATION SITE

LOOKING NORTHEAST
ABOVE GRADE FILL AREA

LOOKING NORTHEAST
ABOVE GRADE FILL AREA
AND ADJACENT POND

LOOKING NORTHEAST
ABOVE GRADE FILL AREA

LOOKING EAST ACROSS POND WITH
RAILROAD CORRIDOR BEYOND
TREES

PHOTOGRAPHS OF THE SUBJECT PROPERTY
PROPOSED TRANSFER STATION SITE

LOOKING NORTH WITH BUILDINGS FROM FORMER WISH BONE RESCUE FACILITY IN BACKROUND

LOOKING NORTH OF ABOVE GRADE FILL AREA WITH RECYCLING AGGREGATE LEFT AND BUILDINGS FROM FORMER WISH BONE RESCUE FACILITY IN DISTANT

PHOTOGRAPHS OF THE HENSON RECYCLING CAMPUS

LOOKING SOUTHEAST FROM BUNN STREET AT HRC EXTRANCE SIGN

LOOKING SOUTHEAST AT ENTRANCE ROAD

LOOKING NORTHEAST FROM BUNN STREET – TRUCK PARKING 1902 BUNN STREET

LOOKING SOUTHWEST AT PARKING LOCATED AT 1902 BUNN STREET

PHOTOGRAPHS OF THE HENSON RECYCLING CAMPUS

LOOKING SOUTHEAST AT C&D RECYCLING FACILITY EQUIPMENT AND BUILDING

LOOKING NORTHWEST AT OFFICE AND SCALE HOUSE

LOOKING NORTH OF C&D RECYCLING FACILITY EQUIPMENT AND BUILDING

LOOKING WEST OF TIPPING FLOOR AND BUILDING FOR C&D RECYCLING FACILITY

PHOTOGRAPHS OF THE HENSON RECYCLING CAMPUS

VIEW OF SORTING LINE IN C&D RECYCLING BUILDING

LOOKING WEST AT CLEAN WOOD MATERIAL TO BE RECYCLED

VIEW OF CONCRETE STOCKPILE TO BE RECYCLED

VIEW OF RECYCLING AGGREGATE FROM CONCRETE RECYCLING OPERATION

PHOTOGRAPHS OF THE HENSON RECYCLING CAMPUS

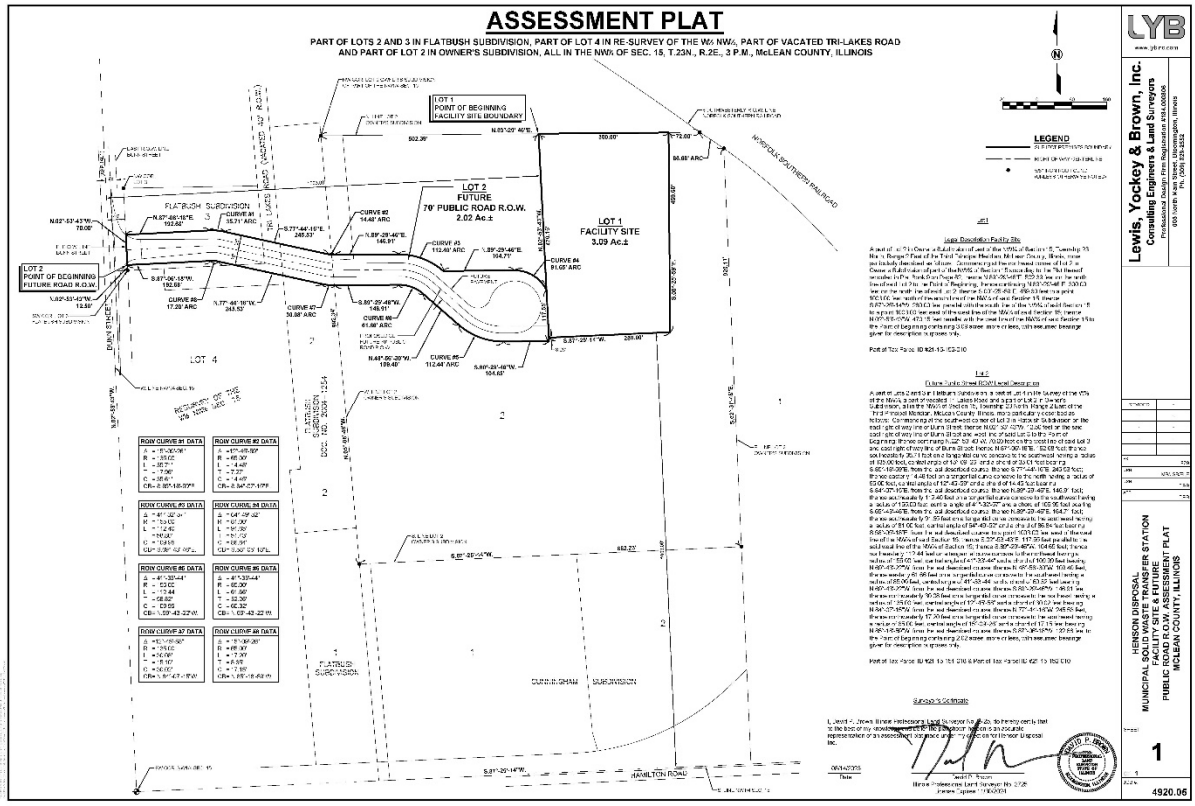
LOOKING NORTH OF ROANOKE CONCRETE PRODUCTS FACILITY

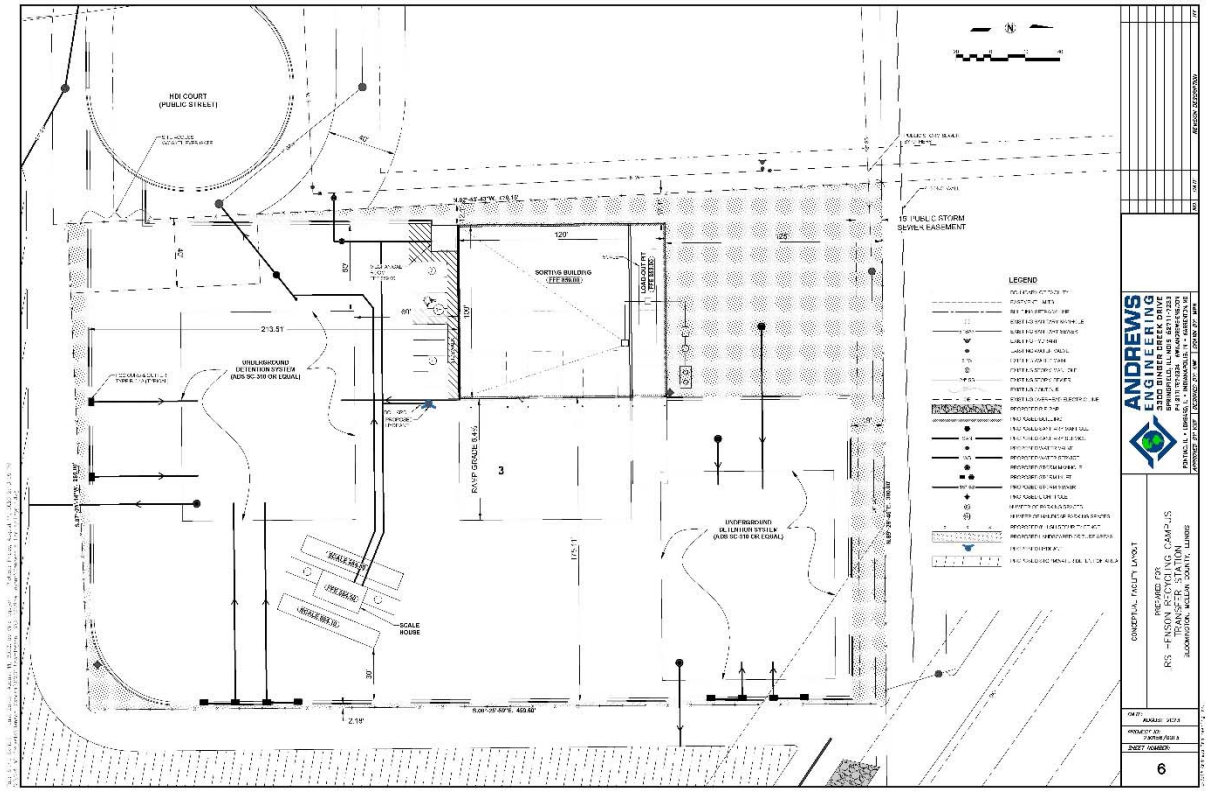
LOOKING SOUTH OF ROANOKE CONCRETE PRODUCTS FACILITY

VIEW OF WOODY WASTE

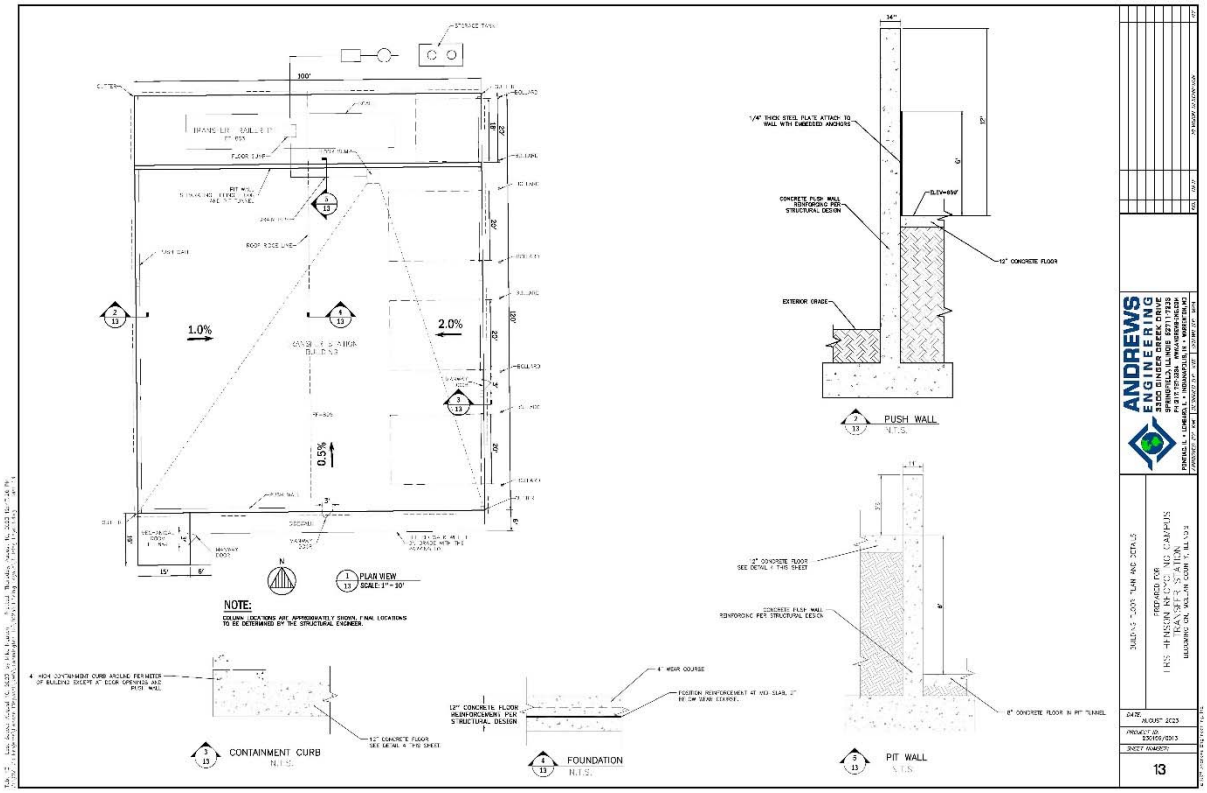
VIEW OF MULCH FROM RECYCLED WOODY WASTE

SUBJECT PROPERTY – PROPOSED CONDITIONS

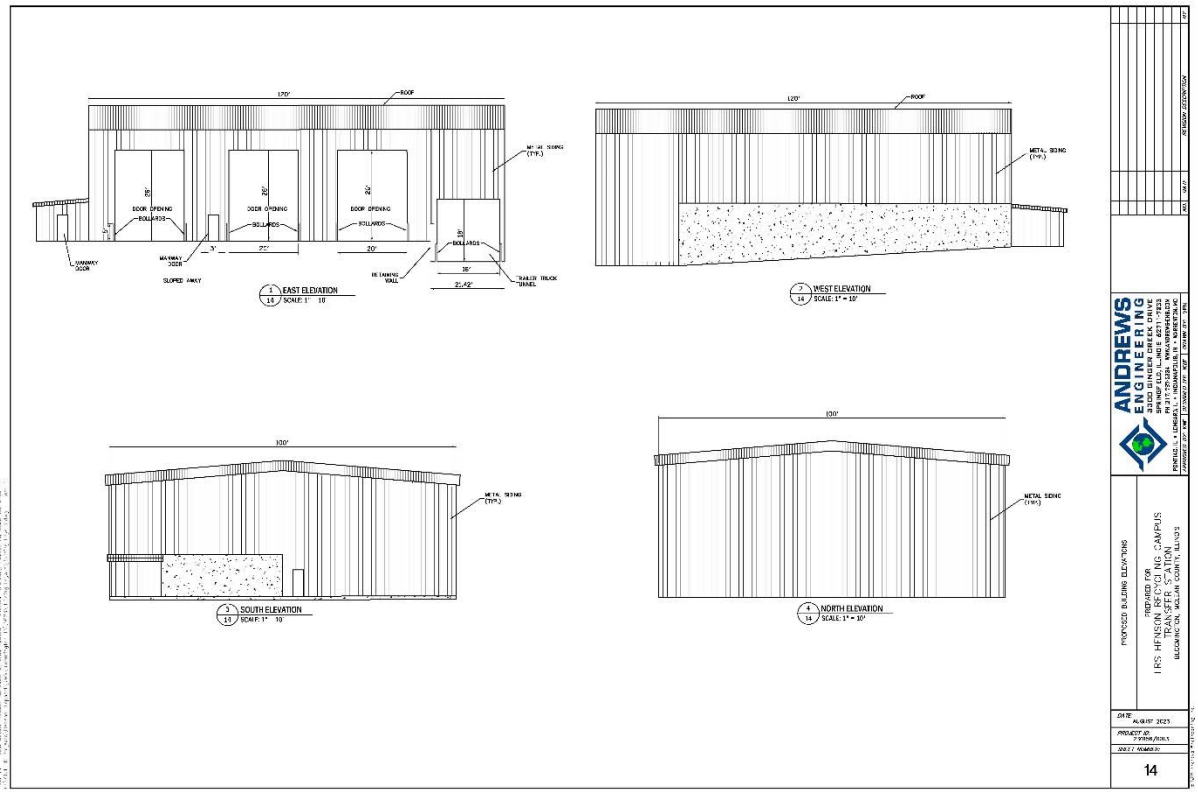




SUBJECT PROPERTY – PROPOSED CONDITIONS



SUBJECT PROPERTY – PROPOSED CONDITIONS



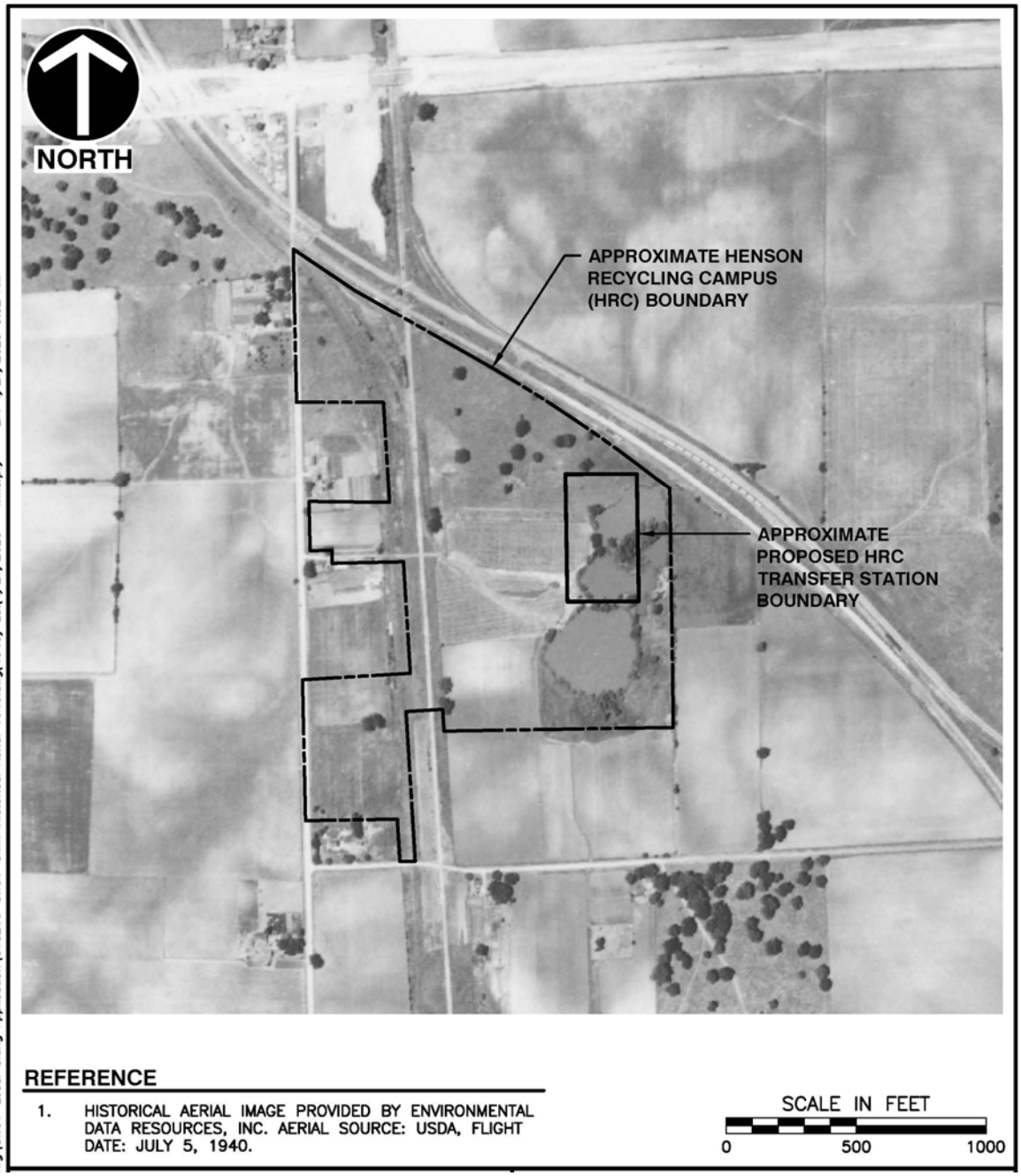
3.3 HISTORIC AERIAL PHOTOS

The following aerial photographs demonstrate the development trends near the subject site from 1940 through 2017. The subject property is within the larger Henson Recycling Campus (HRC) that is generally bounded by Bunn Street on the west, the Norfolk and Southern Railroad Right of Way on the north and east, and East Hamilton Road/Rhodes Lane to the south. Uses surrounding the property include, but are not limited to, the Bradford Supply Company (east side of Bunn Street), an automobile parts salvage yard (east side of Bunn Street), the Norfolk and Southern Railroad Right of Way (east border of HRC), the Hilltop Mobile Home Park (west side of Bunn Street), general industrial applications (within the southwest quadrant of Veterans Parkway and Illinois Route 150), general industrial and agricultural land (south of Hamilton Road, between Bunn Street and Woodrig Road).

The aerial photos show the dominance of recycling and industrial uses as well as industrial development in the area, indicating that nearby uses have remained generally consistent over an extended period of time. It is noteworthy that the residential property known as the Hilltop Mobile Home Park has coexisted with the recycling/industrial uses east of Bunn Street for approximately 50 years with no adverse impact caused by the nearby use. My search of public records and the Multiple Listing Service material indicates that the occupancy of the mobile home park (Hilltop Mobile Home Park) has been stable and the operating manager reports that there is often a waiting list for pads within the complex. The aerial photography indicates that the mobile home units located along Bunn Street have been consistently occupied over the years. See additional material located elsewhere in this report.

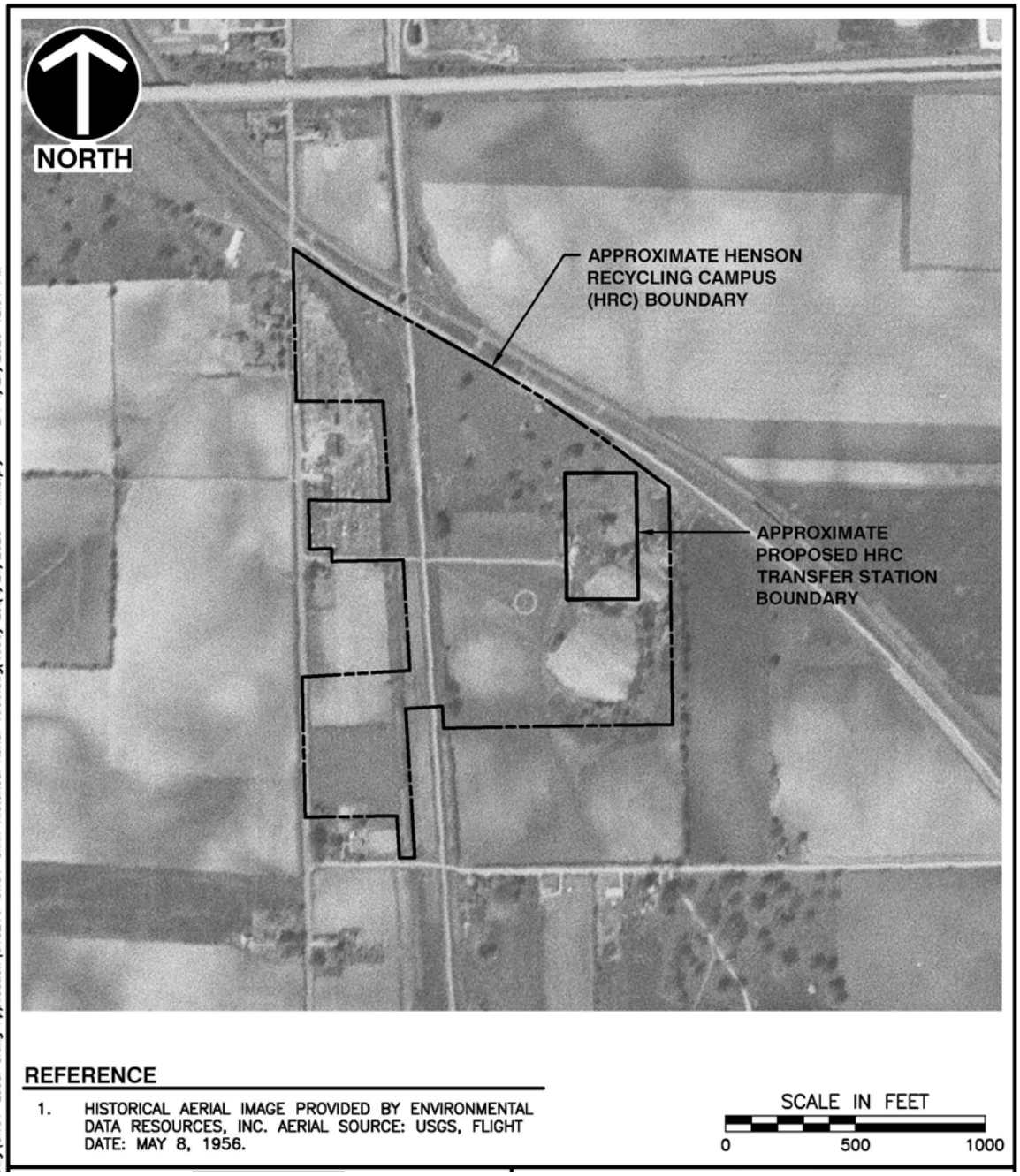
Although uses in the area are consistent, the photographs that follow demonstrate that the larger HRC has been modified on a regular and consistent basis to accommodate the current use, meet growing needs of the industry and increase the efficiency of the site plan and circulation patterns. The modification and construction of certain improvements demonstrate a commitment to the current use and area.

1940

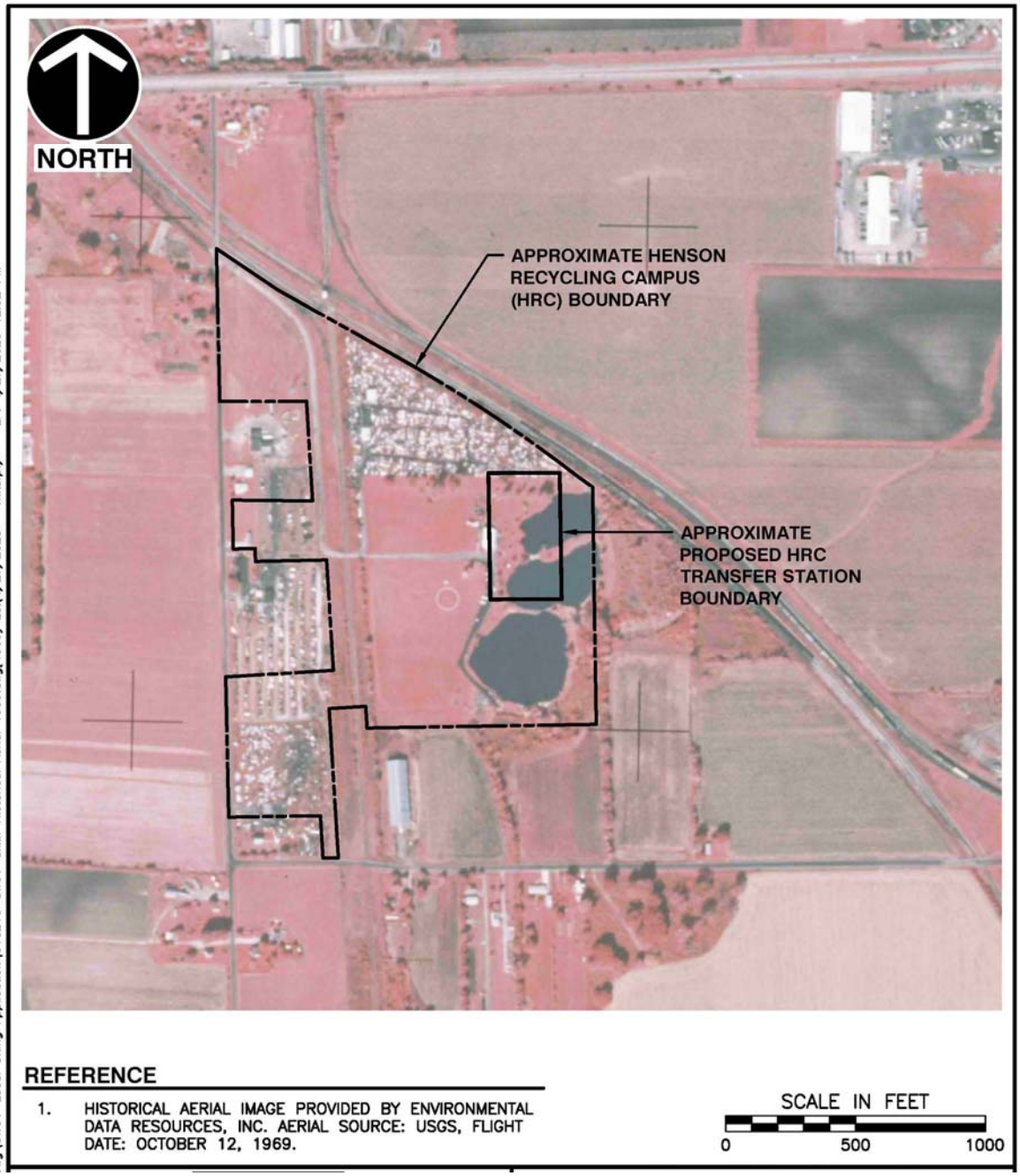


...Dwg\SW01-Local Siting Application\318216-SW01-Sxxx-Historical Aerial 1940.dwg(1940) LS:(4/27/2023 - mkarpf) - LP: 4/27/2023 9:52 AM

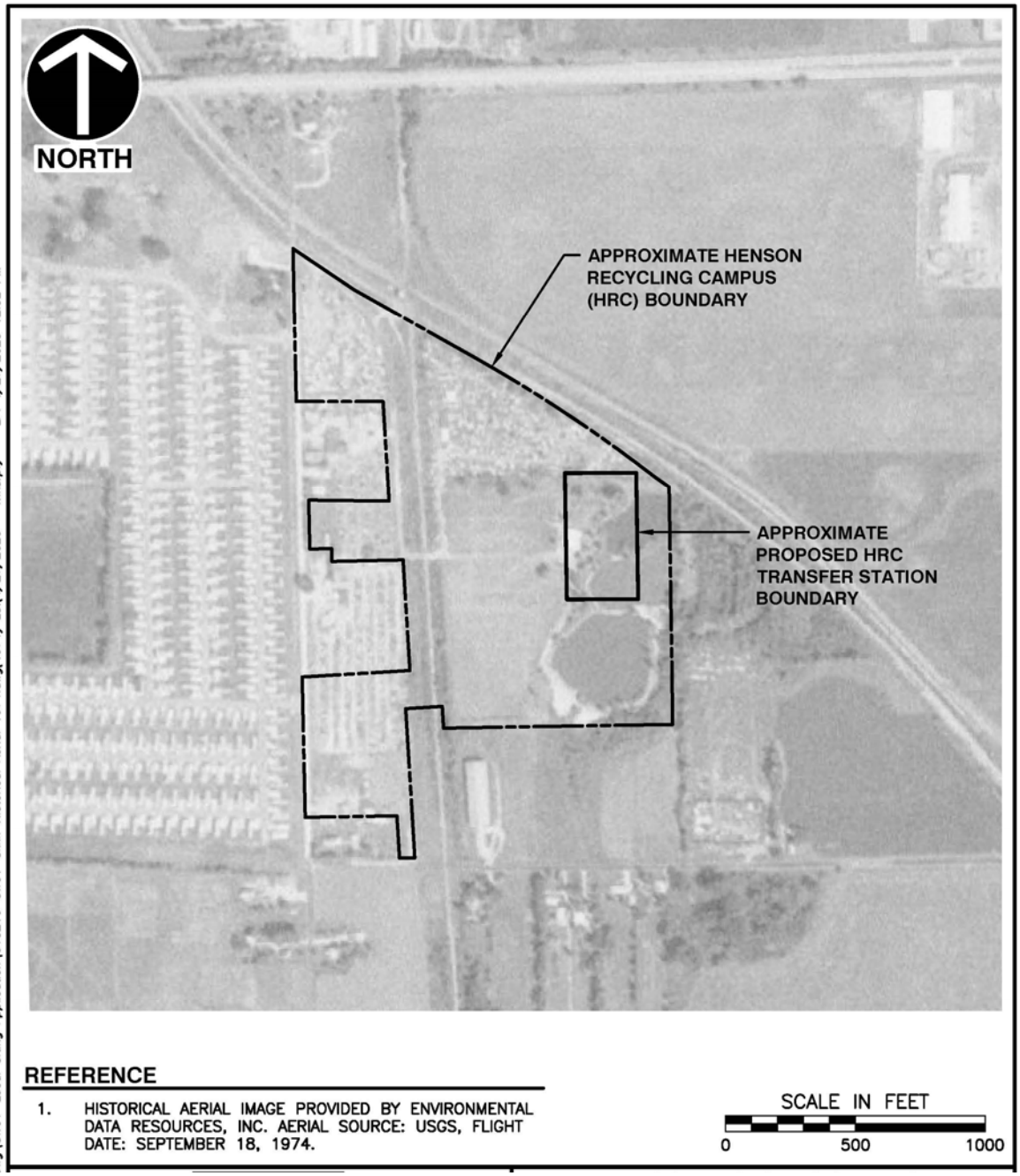
1956


NORTH
APPROXIMATE HENSON RECYCLING CAMPUS (HRC) BOUNDARY
APPROXIMATE PROPOSED HRC TRANSFER STATION BOUNDARY
REFERENCE
1. HISTORICAL AERIAL IMAGE PROVIDED BY ENVIRONMENTAL DATA RESOURCES, INC. AERIAL SOURCE: USGS, FLIGHT DATE: MAY 8, 1956.
SCALE IN FEET
0
500
1000
Dwg\SW01-Local Siting Application\318216-SW01-Sxxx-Historical Aerial 1956.dwg[1956] LS:(4/27/2023 - mkarpf) - LP: 4/27/2023 12:51 PM

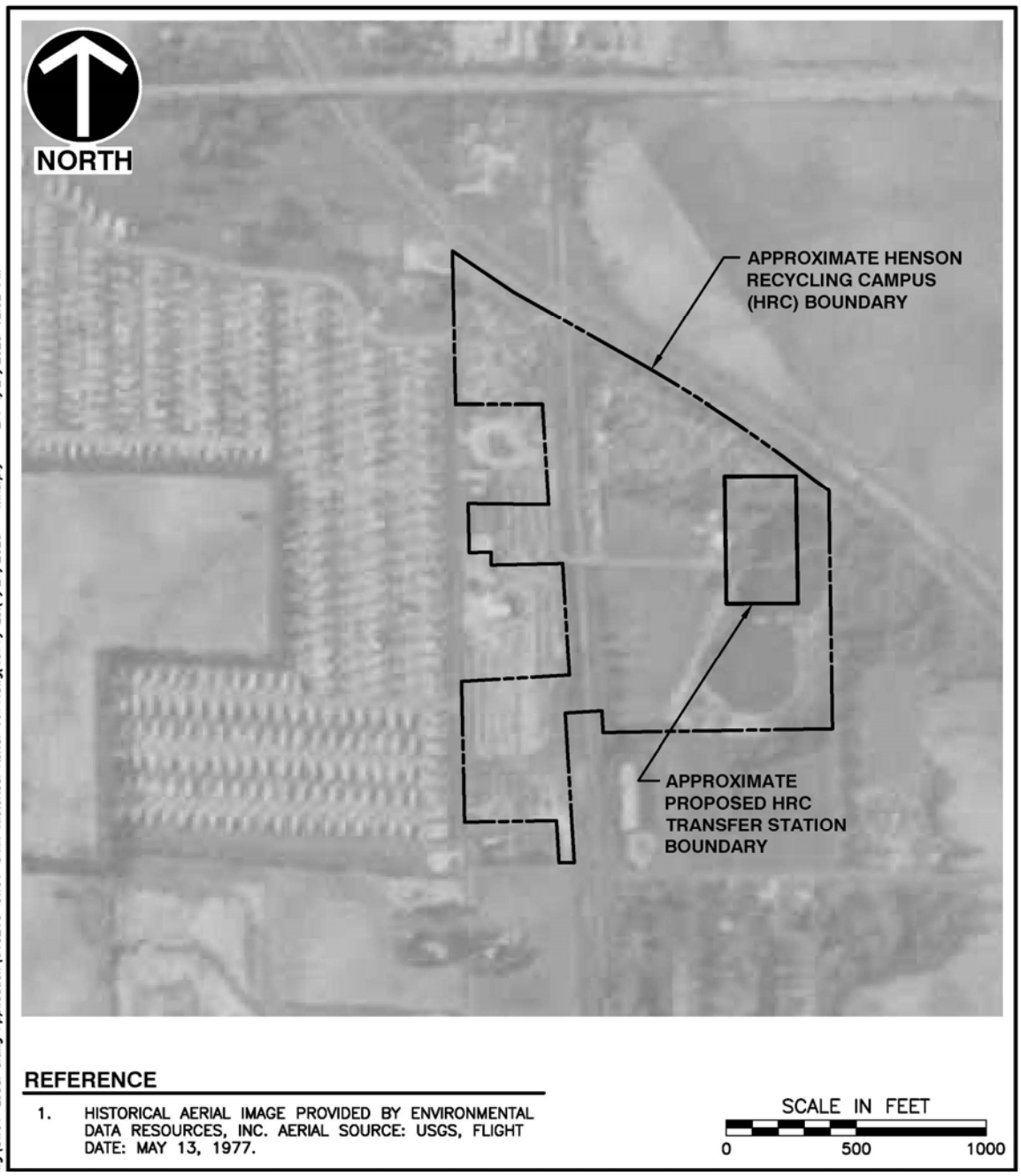
1969


NORTH
APPROXIMATE HENSON RECYCLING CAMPUS (HRC) BOUNDARY
APPROXIMATE PROPOSED HRC TRANSFER STATION BOUNDARY
REFERENCE
1. HISTORICAL AERIAL IMAGE PROVIDED BY ENVIRONMENTAL DATA RESOURCES, INC. AERIAL SOURCE: USGS, FLIGHT DATE: OCTOBER 12, 1969.
SCALE IN FEET
0
500
1000
Dwg\SW01-Local Siting Application\318216-SW01-Sxxx-Historical Aerial 1969.dwg[1969] LS:(4/27/2023 - mkarpf) - LP: 4/27/2023 12:52 PM

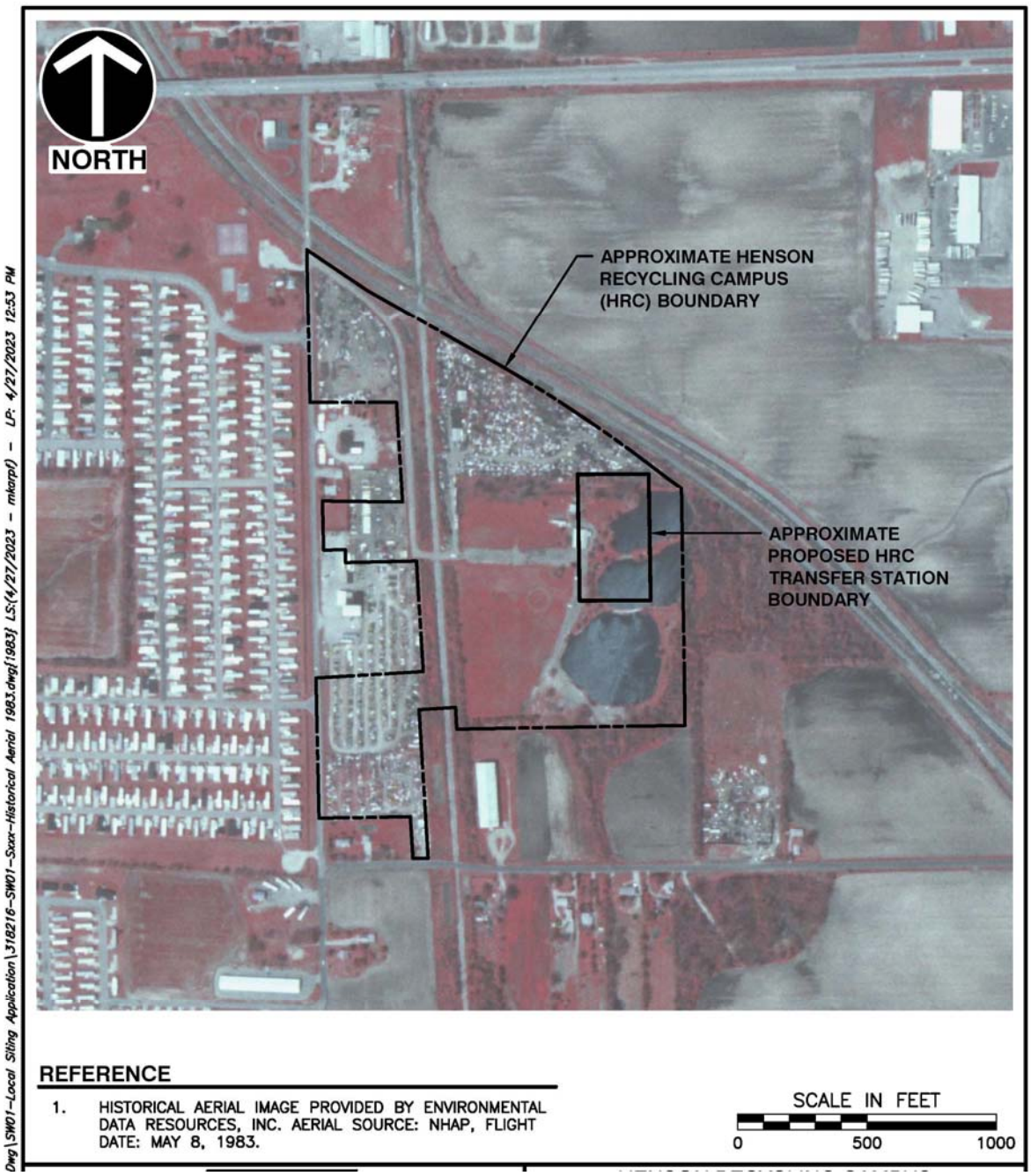
1974


NORTH
APPROXIMATE HENSON RECYCLING CAMPUS (HRC) BOUNDARY
APPROXIMATE PROPOSED HRC TRANSFER STATION BOUNDARY
REFERENCE
1. HISTORICAL AERIAL IMAGE PROVIDED BY ENVIRONMENTAL DATA RESOURCES, INC. AERIAL SOURCE: USGS, FLIGHT DATE: SEPTEMBER 18, 1974.
SCALE IN FEET
0
500
1000
Dwg\SW01-Local Siting Application\318216-SW01-Sxxx-Historical Aerial 1974.dwg[1974] LS:(4/27/2023 - mkarpf) - LP: 4/27/2023 12:52 PM

1977


NORTH
APPROXIMATE HENSON RECYCLING CAMPUS (HRC) BOUNDARY
APPROXIMATE PROPOSED HRC TRANSFER STATION BOUNDARY
REFERENCE
1. HISTORICAL AERIAL IMAGE PROVIDED BY ENVIRONMENTAL DATA RESOURCES, INC. AERIAL SOURCE: USGS, FLIGHT DATE: MAY 13, 1977.
SCALE IN FEET
0
500
1000
dwg\SW01-Local Siting Application\318216-SW01-Sxxx-Historical Aerial 1977.dwg[1977] LS:(4/27/2023 - mkarpf) - LP: 4/27/2023 12:52 PM

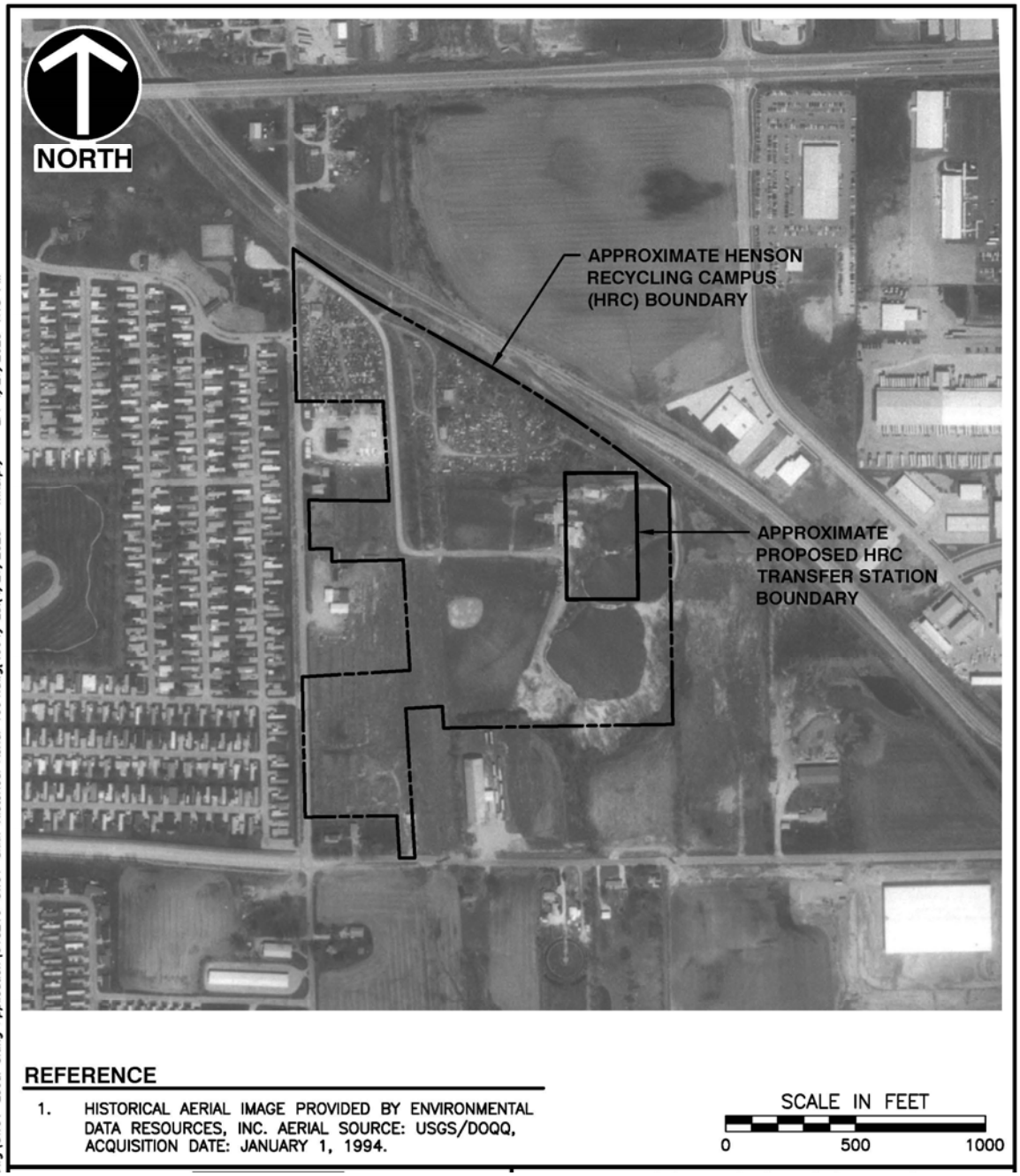
1983


NORTH
APPROXIMATE HENSON RECYCLING CAMPUS (HRC) BOUNDARY
APPROXIMATE PROPOSED HRC TRANSFER STATION BOUNDARY
REFERENCE
1. HISTORICAL AERIAL IMAGE PROVIDED BY ENVIRONMENTAL DATA RESOURCES, INC. AERIAL SOURCE: NHAP, FLIGHT DATE: MAY 8, 1983.
SCALE IN FEET
0
500
1000
Dwg\SW01-Local Siting Application\318216-SW01-Sxax-Historical Aerial 1983.dwg[1983] LS:(4/27/2023 - mkarpf) - LP: 4/27/2023 12:53 PM

1988

NORTH
APPROXIMATE HENSON RECYCLING CAMPUS (HRC) BOUNDARY
APPROXIMATE PROPOSED HRC TRANSFER STATION BOUNDARY
REFERENCE
1. HISTORICAL AERIAL IMAGE PROVIDED BY ENVIRONMENTAL DATA RESOURCES, INC. AERIAL SOURCE: USGS, FLIGHT DATE: APRIL 16, 1988.
SCALE IN FEET
0
500
1000

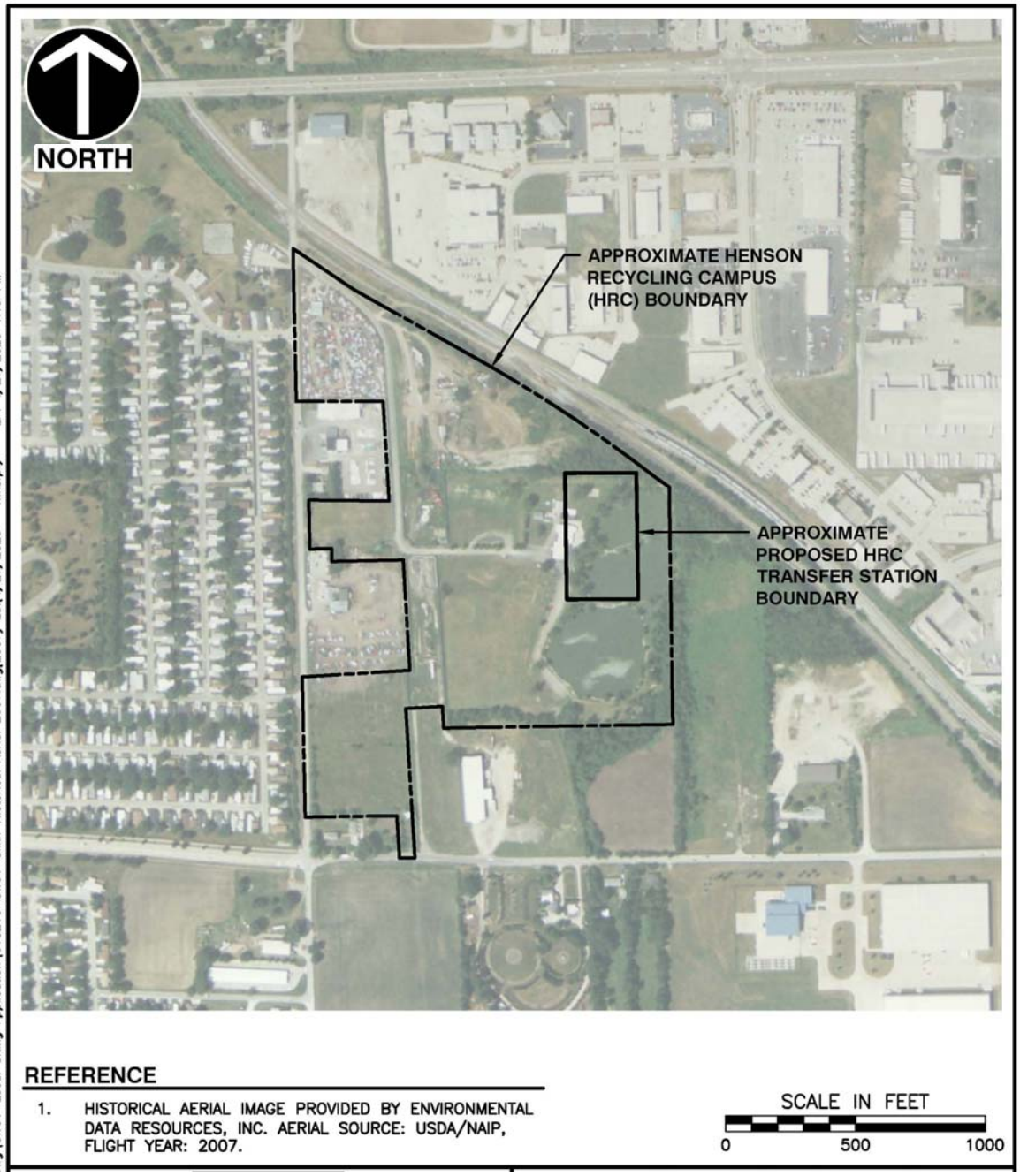
1994


NORTH
APPROXIMATE HENSON RECYCLING CAMPUS (HRC) BOUNDARY
APPROXIMATE PROPOSED HRC TRANSFER STATION BOUNDARY
REFERENCE
1. HISTORICAL AERIAL IMAGE PROVIDED BY ENVIRONMENTAL DATA RESOURCES, INC. AERIAL SOURCE: USGS/DOQQ, ACQUISITION DATE: JANUARY 1, 1994.
SCALE IN FEET
0
500
1000
Dwg\SW01-Local Siting Application\318216-SW01-Sxxx-Historical Aerial 1994.dwg[1994] LS:(4/27/2023 - mkarpf) - LP: 4/27/2023 1:18 PM

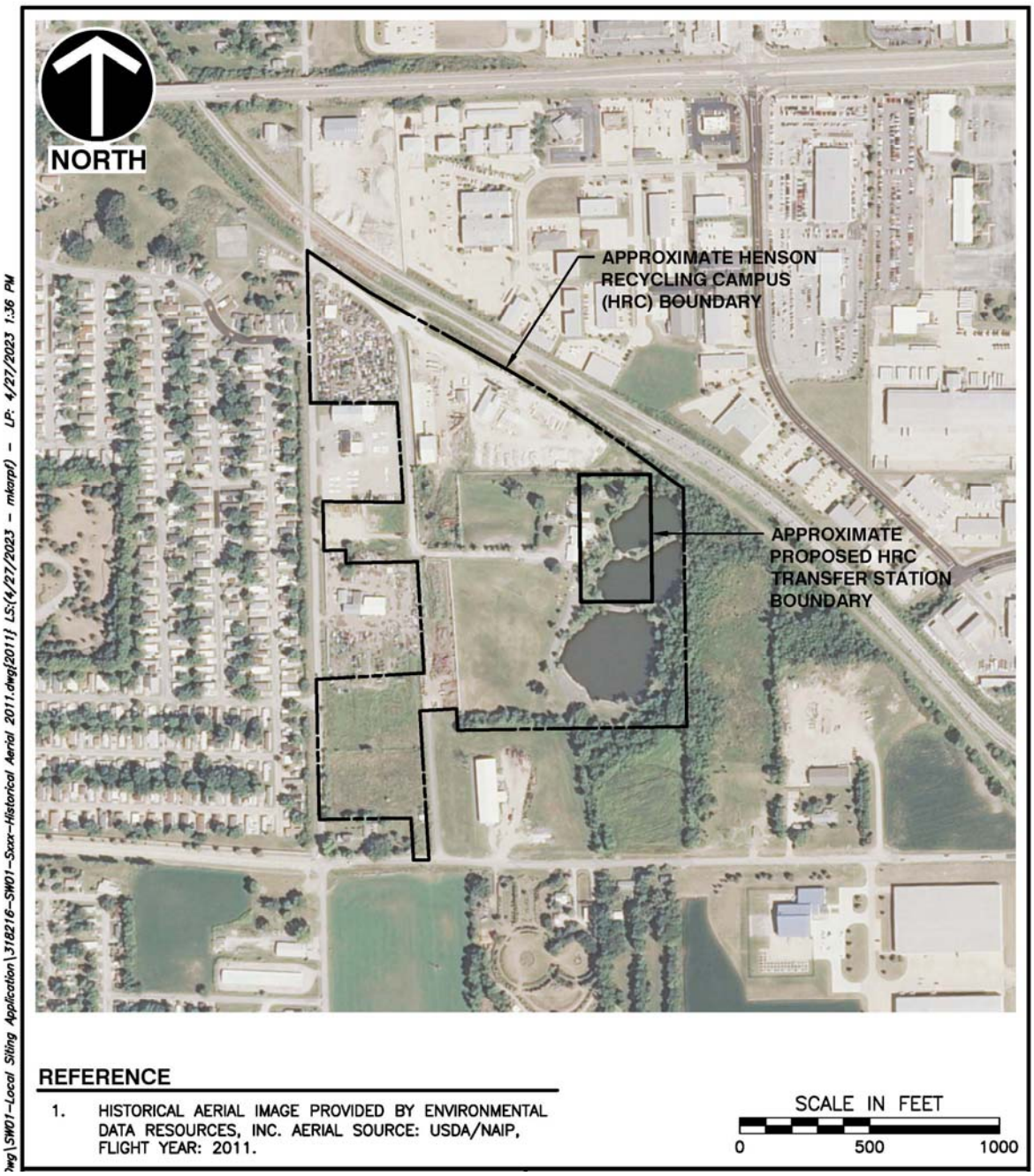
1999

...Dwg\SW01-Local Siting Application\318216-SW01-Sxxx-Historical Aerial 1998.dwg[1999] LS:(4/27/2023 - mkarpf) - LP: 4/27/2023 2:14 PM

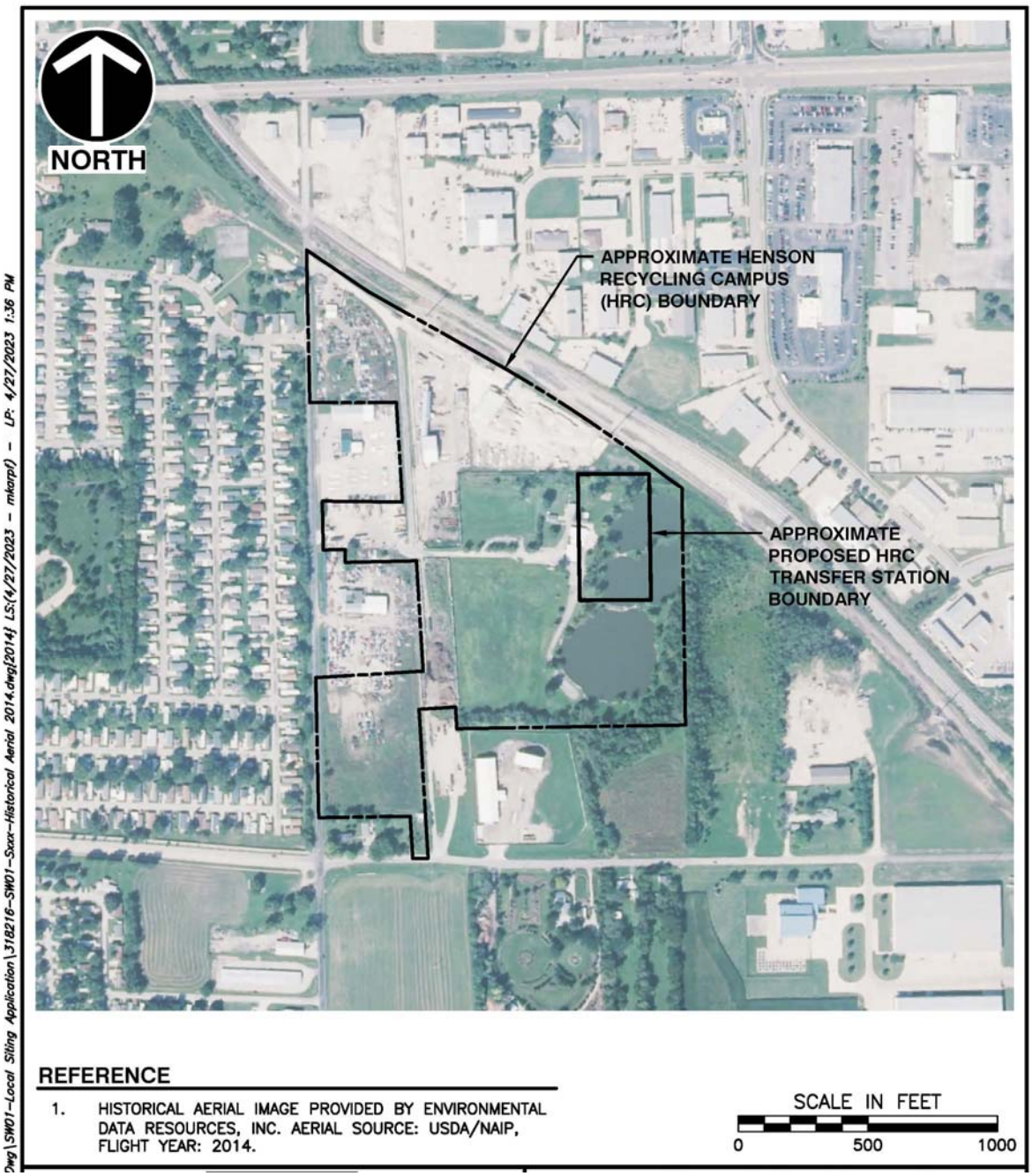
2007


NORTH
APPROXIMATE HENSON RECYCLING CAMPUS (HRC) BOUNDARY
APPROXIMATE PROPOSED HRC TRANSFER STATION BOUNDARY
REFERENCE
1. HISTORICAL AERIAL IMAGE PROVIDED BY ENVIRONMENTAL DATA RESOURCES, INC. AERIAL SOURCE: USDA/NAIP, FLIGHT YEAR: 2007.
SCALE IN FEET
0
500
1000
Dwg\SW01-Local Siting Application\318216-SW01-Sxxx-Historical Aerial 2007.dwg[2007] LS:(4/27/2023 - mkarpf) - LP: 4/27/2023 1:19 PM

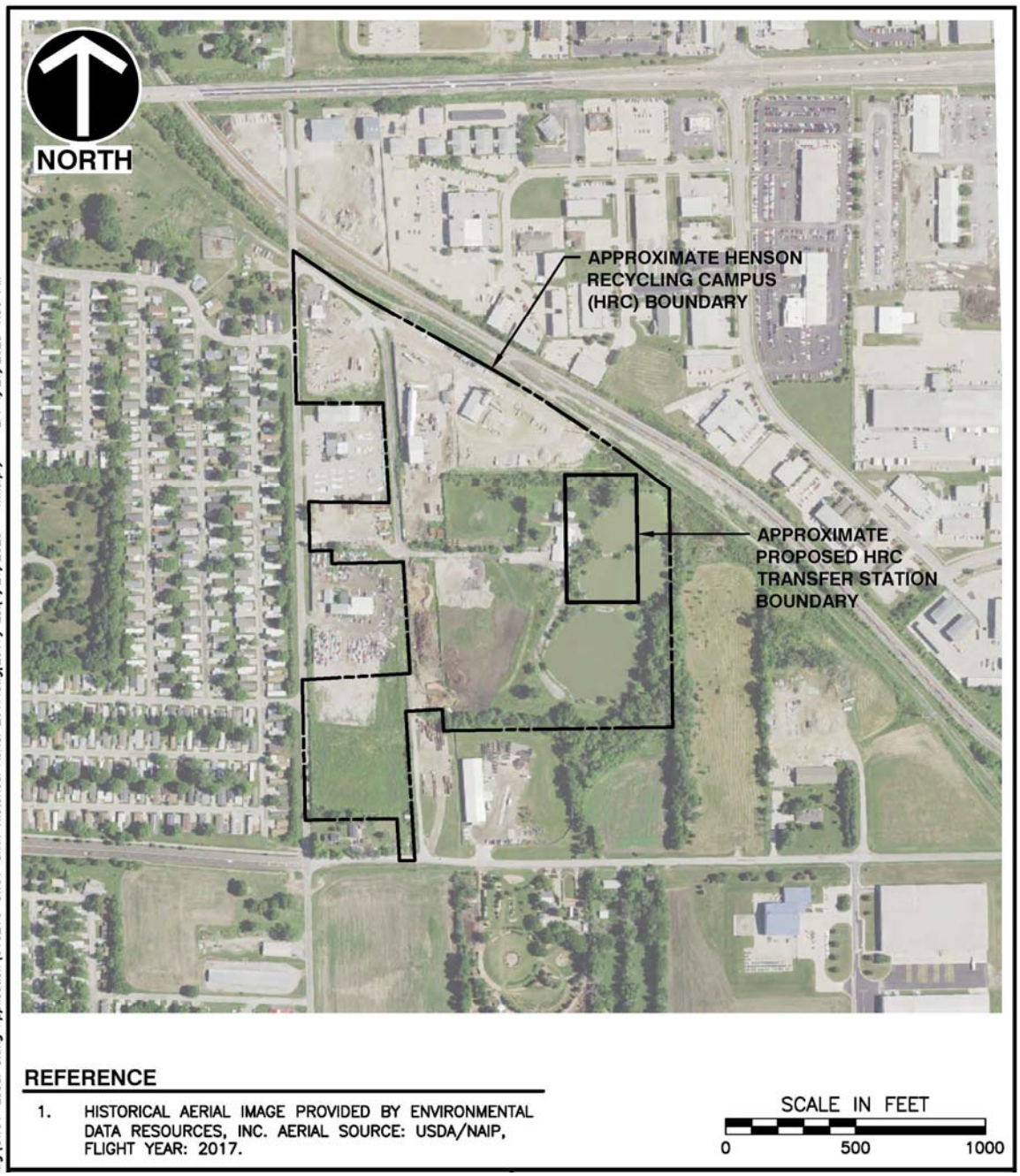
2011


NORTH
APPROXIMATE HENSON RECYCLING CAMPUS (HRC) BOUNDARY
APPROXIMATE PROPOSED HRC TRANSFER STATION BOUNDARY
REFERENCE
1. HISTORICAL AERIAL IMAGE PROVIDED BY ENVIRONMENTAL DATA RESOURCES, INC. AERIAL SOURCE: USDA/NAIP, FLIGHT YEAR: 2011.
SCALE IN FEET
0
500
1000

2014


NORTH
APPROXIMATE HENSON RECYCLING CAMPUS (HRC) BOUNDARY
APPROXIMATE PROPOSED HRC TRANSFER STATION BOUNDARY
REFERENCE
1. HISTORICAL AERIAL IMAGE PROVIDED BY ENVIRONMENTAL DATA RESOURCES, INC. AERIAL SOURCE: USDA/NAIP, FLIGHT YEAR: 2014.
SCALE IN FEET
0
500
1000
Dwg\SW01-Local Siting Application\318216-SW01-Sxxx-Historical Aerial 2014.dwg[2014] LS:(4/27/2023 - mkarpf) - LP: 4/27/2023 1:36 PM

2017



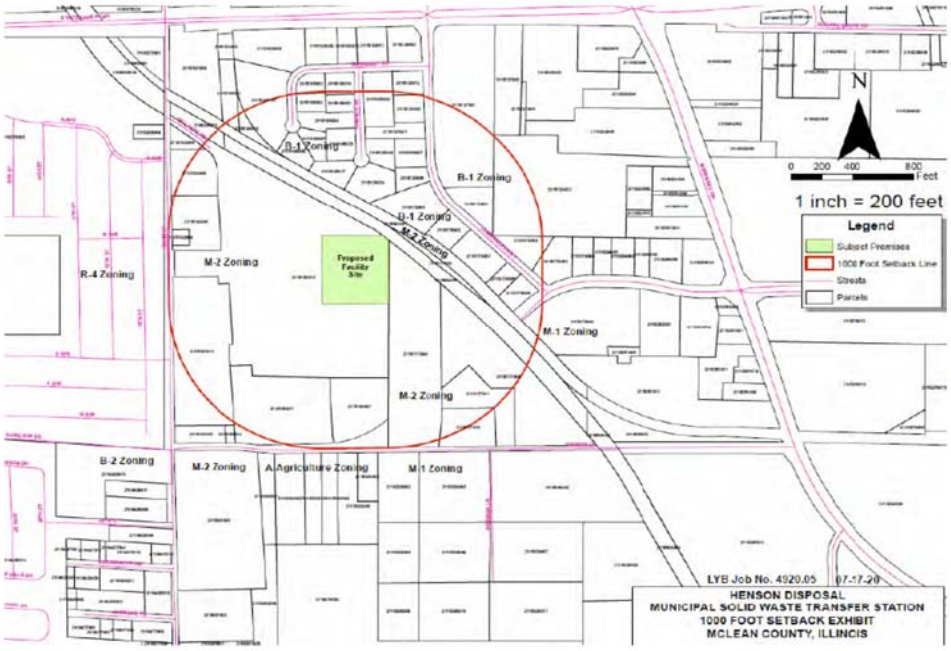
...Dwg\SW01-Local Siting Application\318216-SW01-Sxxx-Historical Aerial 2017.dwg[2017] LS:(4/27/2023 - mkarpf) - LP: 4/27/2023 1:36 PM

3.4 DEVELOPMENT IN THE STUDY AREA

The Project Area Map that follows this discussion identifies the location of the subject and shows the uses that exist near the subject property. The site can only be accessed from HDI Court via Bunn Stree with the primary cross street being to the south at Hamilton Road/Rhodes Lane. The site cannot be accessed from the east or north due to the presence of the Norfolk and Southern Railroad Right of Way. It is noteworthy that all the businesses along Bunn Street are similar to the subject with respect to access and primary roadways. It is further noteworthy that the Proposed Henson Recycling Campus Transfer Station is located in the center of the HRC and will be accessed by via the proposed HDI Court that is to be constructed to service this site. This is a logical extension of the services currently preformed at the site and in the immediate area.

Manmade boundaries for the study area (Outlined in Yellow elsewhere) are Bunn Street to the west, Hamilton Road/Rhodes Lane and the Hamilton Road East/West Connection Project to the south and the Norfolk and Southern Railroad Right of Way to the east. Within the overall study area, the Proposed Henson Recycling Campus Transfer Station is shielded from surrounding uses by the operation of the HRC property, Bunn Street, Hamilton Road/Rhodes Lane, the proposed Hamilton Road East/West Connection Project and the Norfolk and Southern Railroad Right of Way (Outlined in Yellow elsewhere – Page 3-33).

The area within these boundaries encompasses approximately 77.00 acres. The man-made boundaries, applications within these boundaries and primary streets that define this area effectively isolate and buffer this 77.00 acre area from all adjacent applications. The impact of these locational features is to isolate and minimize any influence the uses within this 77.00 acre area have on properties outside the defined area. This includes the development of the Proposed Henson Recycling Campus Transfer Station. See illustration below.

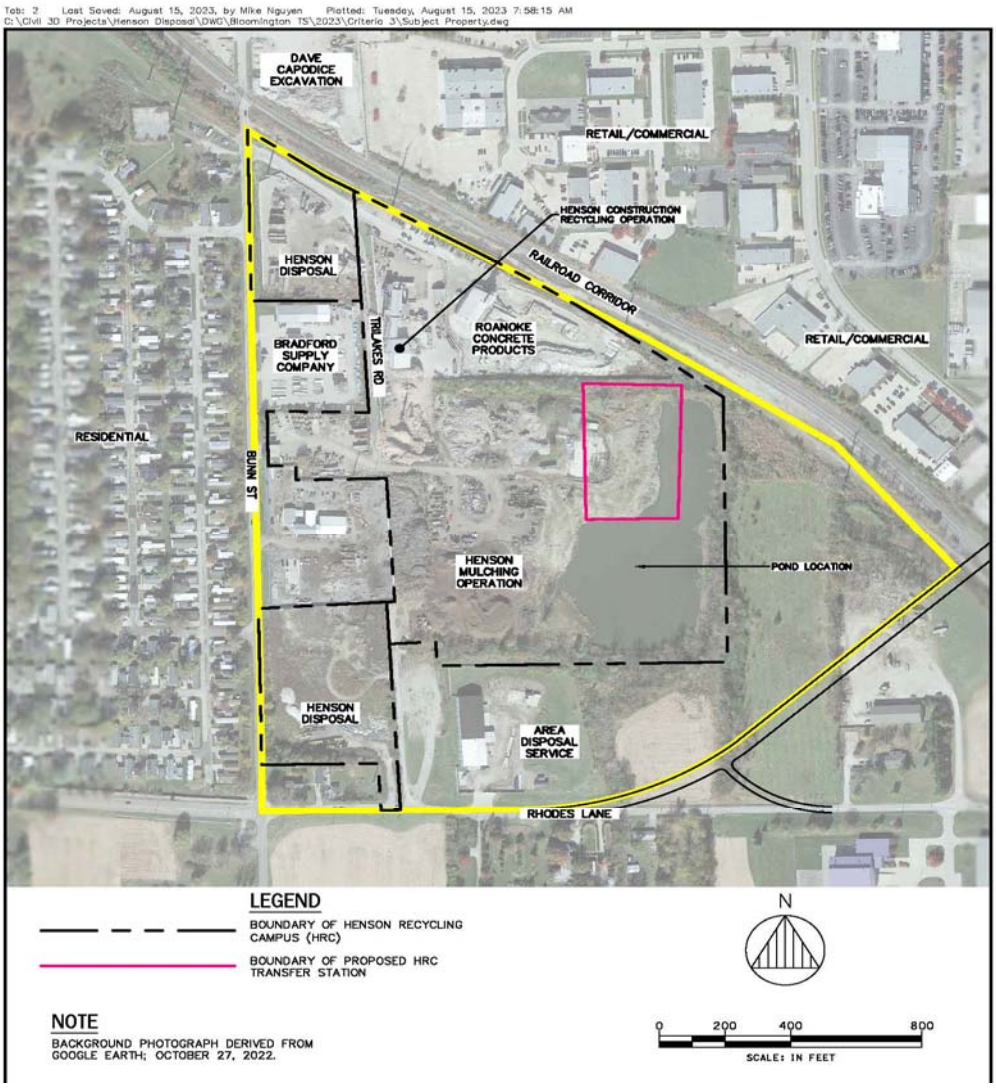


Within the defined manmade boundaries of the subject location (Outlined in Yellow below) the uses are consistent and compatible with the Proposed Henson Recycling Campus Transfer Station. These uses include the Roanoke Concrete Products Facility, the C&D recycling facility, Bradford Supply and an auto parts salvage yard.

The Proposed Henson Recycling Campus Transfer Station is consistent with nearby uses while being isolated by the railroad right of way, The proposed Hamilton Road East/West Connection Project, the location approximately 1,000 feet east of Bunn Street, operations of the Henson Recycling Campus (HRC) and other industrial property. Uses or development within the study area that include the above-mentioned range of industrial applications are identified on the Zoning Map that is located on the following page and the aerial photographs presented elsewhere.

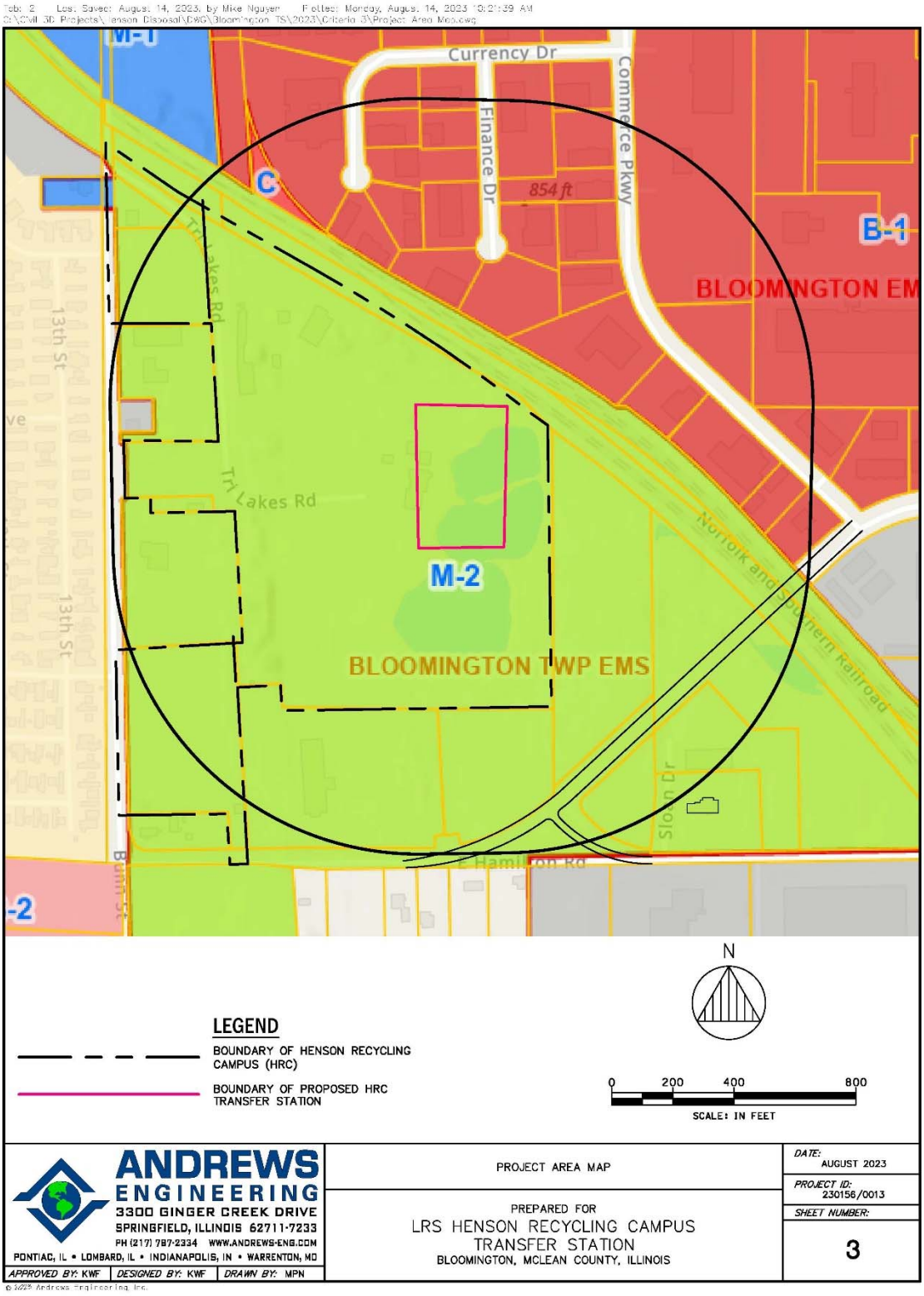
The residential development, known as the Hilltop Mobile Home Park, is located on the west side of Bunn Street, over 1,000 feet west of the proposed development and has been since approximately 1970 with no observable negative impact on occupancy or use.

The following illustration identifies the uses that are within the study area for the Proposed Henson Municipal Solid Waste Transfer Station.



ZONING MAP

The zoning map for the subject property and surrounding area follows.



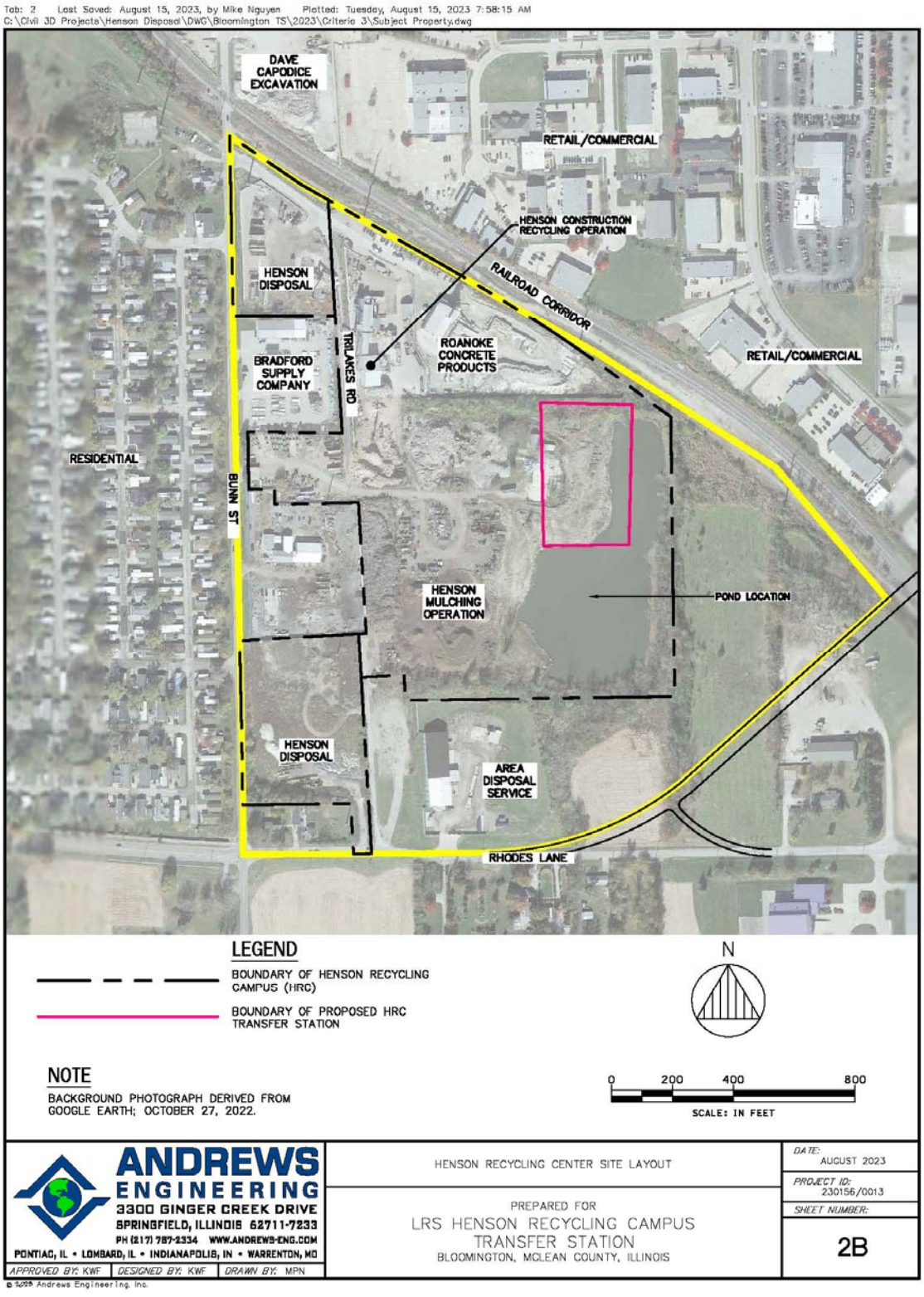
The above zoning map indicates that zoning classifications within the Study Area and adjacent areas include M-1, M-2 (Manufacturing Districts), B-1 (Commercial Districts), and R-4 (Manufacturing Home Park District).

In summary, uses within the study area discussed above include the following:

- Recycling facilities within the Henson Recycling Campus (HRC)
- Railroad right of way – Norfolk and Southern RR
- Bradford Supply Company
- The Hilltop Mobile Home Park
- An automobile parts salvage yard
- Various General Industrial Buildings
- Various Commercial/Retail Buildings

From an appraisal perspective it is significant to note that the value of any property is maximized, and the impact uses have on adjacent properties is minimized when individual development is the Highest and Best Use of the property, area developments comply with existing zoning requirements and development patterns adhere to the principle of conformity in a balanced market. Adherence to reasonable conformity and balance are supported by the above referenced inventory of nearby applications.

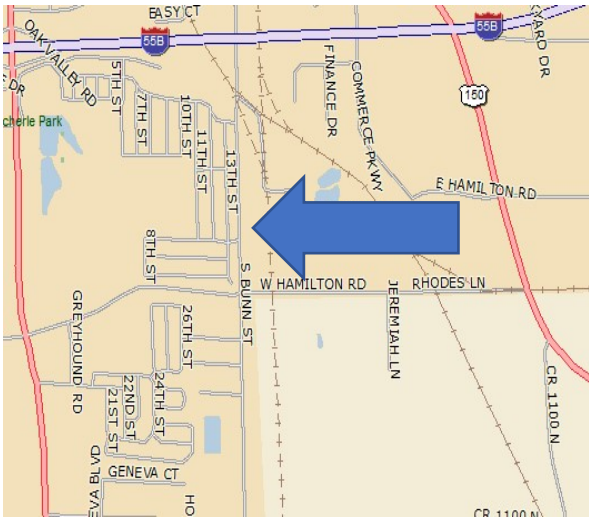
AREA STUDY USAGE MAP

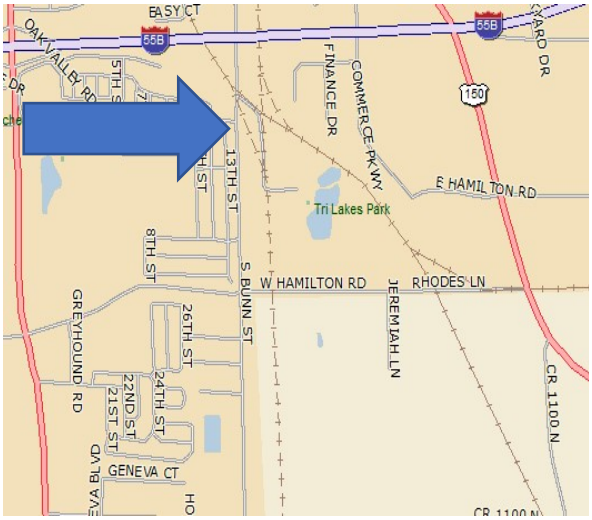


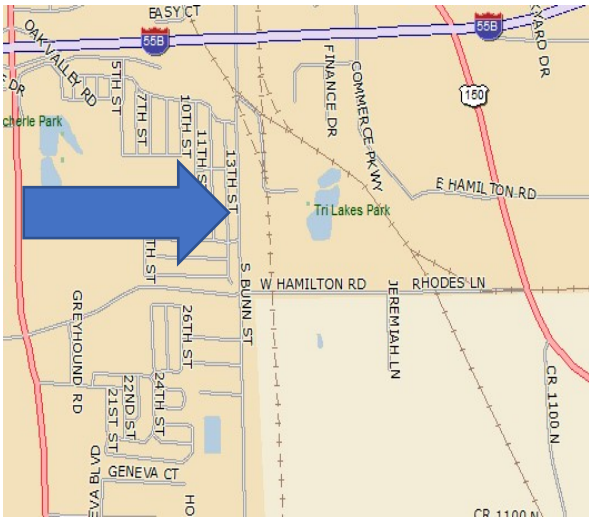
3.5 PHOTOGRAPHS – SUBJECT LOCATION AND SURROUNDING USES

Photographs of representative applications located within the study area and adjacent areas are presented below. The photographs that follow are supportive evidence that the principles of conformity and balance have been met in the defined area. The Photographs that identify the properties in the study begin along Bunn Street to the west, Hamilton Road/Rhodes Lane to the south and the Norfolk and Southern Railroad Right of Way to the east. These photographs also include the properties located within the previously presented **Area Study Usage Map** on (**page 3-36**) and the **Zoning Map Illustration** (**page 3-34**).

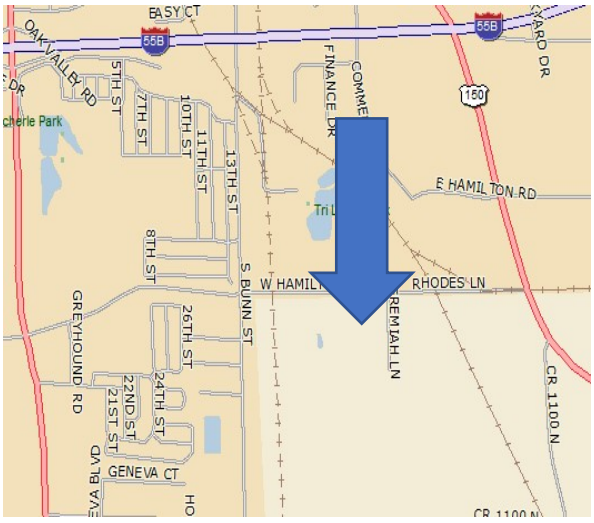
PHOTOGRAPHS –SURROUNDING LOCATION

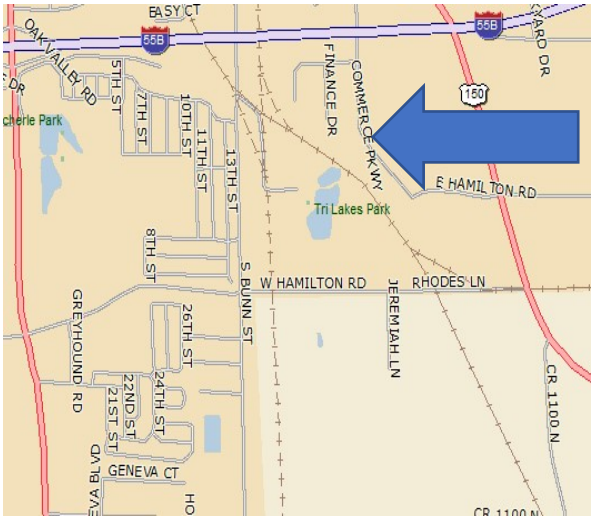


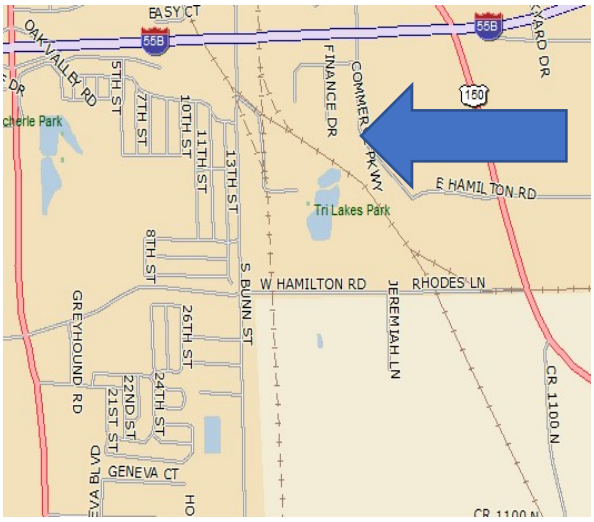




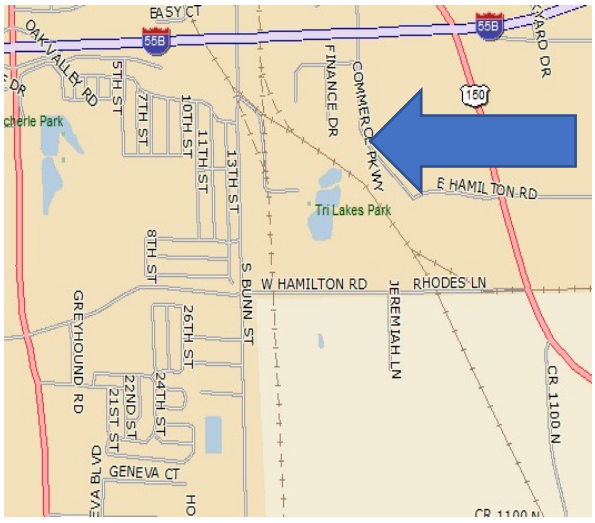
PHOTOGRAPHS –SURROUNDING LOCATION

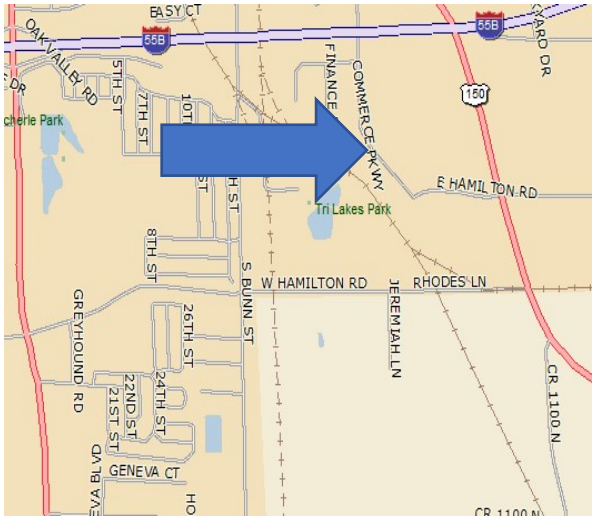


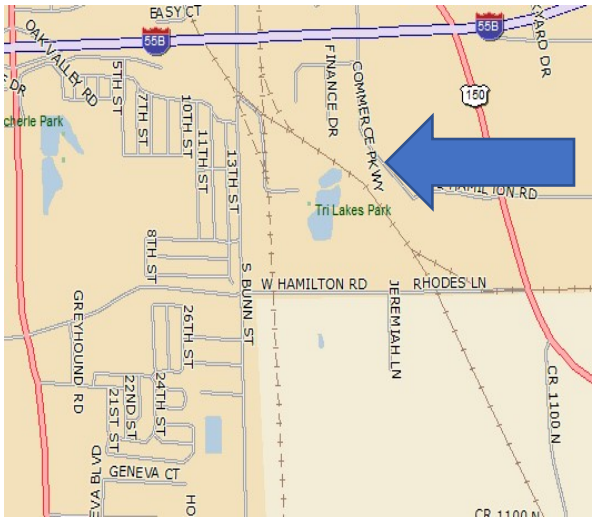




PHOTOGRAPHS –SURROUNDING LOCATION







3.6 HIGHEST AND BEST USE

A Highest and Best Use Analysis was completed in this matter.

The following definition of Highest and Best Use is applied in this study.

> "The reasonably probable and legal use of vacant land or an improved property, which is physically possible, appropriately supported, financially feasible, and that results in the highest value. The four criteria the highest and best use must meet are legal permissibility, physical possibility, financial feasibility, and maximum productivity."

The following criteria must be met in determining Highest and Best Use:

1. Legal Permissibility. A property use that is either currently allowed or most probably allowable under zoning codes, building codes, environmental regulations, and other applicable laws and regulations that govern land use restrictions.
2. Physical Possibility. The land must be able to accommodate the size and shape of the ideal improvement.
3. Financial Feasibility. The ability of a property to generate sufficient income to support the use for which it was designed.
4. Maximum Productivity. The selected land use must yield the highest value of the possible uses.

General Comments

The analysis of Highest and Best Use is not a standalone analysis. The analysis of Highest and Best Use is applied in conjunction with all other analytical techniques to examine if "the facility is located so as to minimize incompatibility with the character of the surrounding area and to minimize the effect on the value of the surrounding property". 415 ILCS 5/39.2(a)(iii)

When found to be the Highest and Best Use, the real estate being analyzed is found to be the optimum use of the site and it is further concluded that the application will yield the greatest net return to the land for the longest period of time (the examined use will contribute the greatest value). As the optimum use of the property, it meets the tests of being legally permissible (consistent with zoning and area applications), physically possible, financially feasible and maximally productive. When a property meets these tests, it has great contributory value to the property itself while contributing value to the overall location or adjacent/nearby properties. When found to be the Highest and Best Use, the examined application is typically not be a source of locational obsolescence thereby supporting that it will not have a negative impact on the surrounding properties or the area, in general. This test contributes to meeting the purpose and intent of Criterion 3.

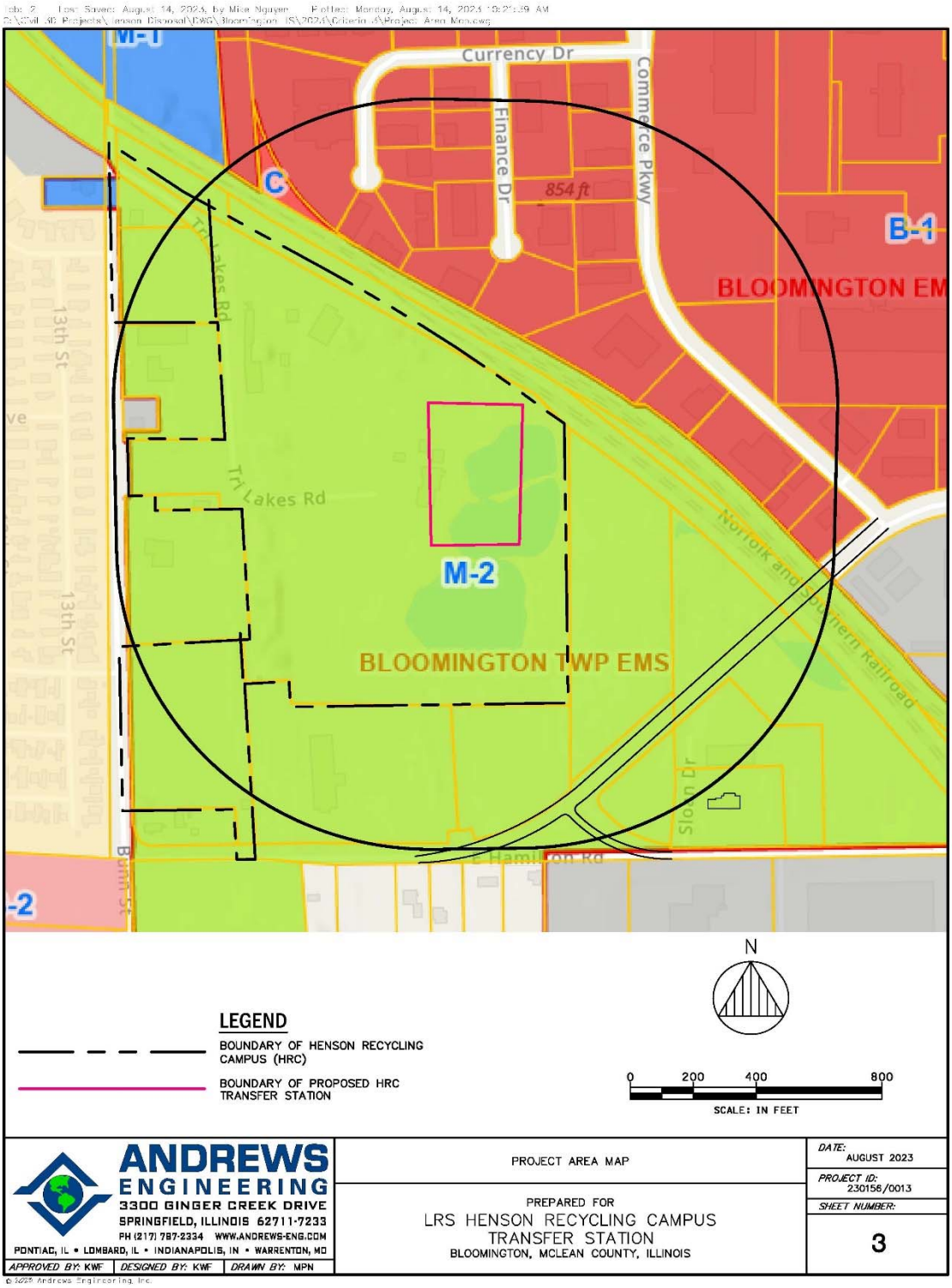
COMMENTS ON PLANNING IN MCLEAN COUNTY AND THE CITY OF BLOOMINGTON

Within McLean County and the City of Bloomington, planning and zoning issues are evaluated on an individual basis with consideration given to the merits of each application. My review of the various zoning ordinances, comprehensive plans and literature suggests that McLean County and the City of Bloomington have areas and communities that are unique in character. These areas, communities and districts are designed with consideration given to manmade boundaries, natural boundaries, available infrastructure and growth patterns. Both McLean County and the City of Bloomington encourage development to occur in consistent and defined areas so development can take place in an efficient manner based on available public services, and development patterns. This is demonstrated by the pattern of development in the study area (Outlined in Yellow elsewhere) and the area surrounding the study area. Development is designed to respect existing land uses and avoid environmental conflicts.

Based on my inspection of the study area, in which the Proposed Henson Recycling Campus Transfer Station is to be located, we conclude that appropriate planning and zoning exists to maximize the value of subject and area property and to minimize negative impacts on surrounding uses.

DISCUSSION OF LEGAL PERMISSIBILITY

According to the McLean County Zoning Department, the subject site is zoned M-2, "General Manufacturing District" and the current use of the property in the Henson Recycling Campus is reported to be legal within this zoning classification. See zoning map below.



Permitted Uses include manufacturing, wholesaling, trucking and warehousing uses, with limited retail and service uses. Specific permitted uses within this zoning classification include asphalt or concrete plants, basic industry, contractor office/shops, fertilizer distribution plants/seed sales, gas and fuel sales/storage, laundry plants, manufacturing and assembly, oil or gas drilling/refining, printing and publishing, salvage yard, solid waste transfer station, transit facility, trucking facility, utility (minor), warehouse and wholesale, and welding or machine shops.

Special Uses (specific) include freight terminals, hazardous operations, integrated center, landfill, landscape waste composting and mulching, mining or quarrying, solid waste collection/processing, stockyard, and utility (major).

For additional information see the McLean County, Illinois Zoning Ordinance along with the Zoning Map that is located elsewhere.

Based on my review of the current zoning ordinance and the comprehensive plans for McLean County, the City of Bloomington and Town of Normal, Illinois, I conclude that the Proposed Henson Recycling Campus Transfer Station is a consistent use in this location that meets the standard of being reasonably probable and/or legally permissible.

DISCUSSION OF PHYSICAL POSSIBILITY

My review of the AEI Drawings and the Location Standards of the Criterion 2 report prepared by AEI indicate that no physical conditions exist that prohibit the development of the Proposed Henson Recycling Campus Transfer Station in accordance with the provided specifications. My review of the above information, my physical inspection of the property, the presence of the current infrastructure allows me to conclude that there are no obvious issues that would cause us to believe that the property cannot be developed in accordance with the proposed plan.

DISCUSSION OF FINANCIAL FEASIBILITY

The test of financial feasibility examines if the intended development of the property will yield the greatest net return to the land for the longest period of time.

My analysis of available market data allows me to conclude that properties in the study area are primarily owner-occupied with some being leased in third-party transactions.

Database material indicates that the inventory of total industrial space in the overall Bloomington market has remained generally consistent at approximately 12,850,000 square feet over the past five years. Within the available industrial market, approximately 6.2 million square feet are identified as being within the “Specialized Industrial” classification. There has been limited construction in this market and approximately twenty-three (23) sales involving industrial property are reported to have occurred in the overall study area. The current market vacancy rate is reported to be approximately 3.4 percent and an extended analysis of industrial vacancy in the general industrial market ranges from 3 to over 15 percent. The vacancy rate in the study area (Outlined in Yellow) has been nearly zero over an extended period of time.

Current database information indicates that rental rates have increased over the past five year from under $4.00 to approximately $6.25 per square foot. During this same period, the rate at which space has been absorbed has increased and marketing times are now less than one year when a vacancy occurs. Overall, the market condition for general and specialized industrial space is considered strong in the study area and market, in general.

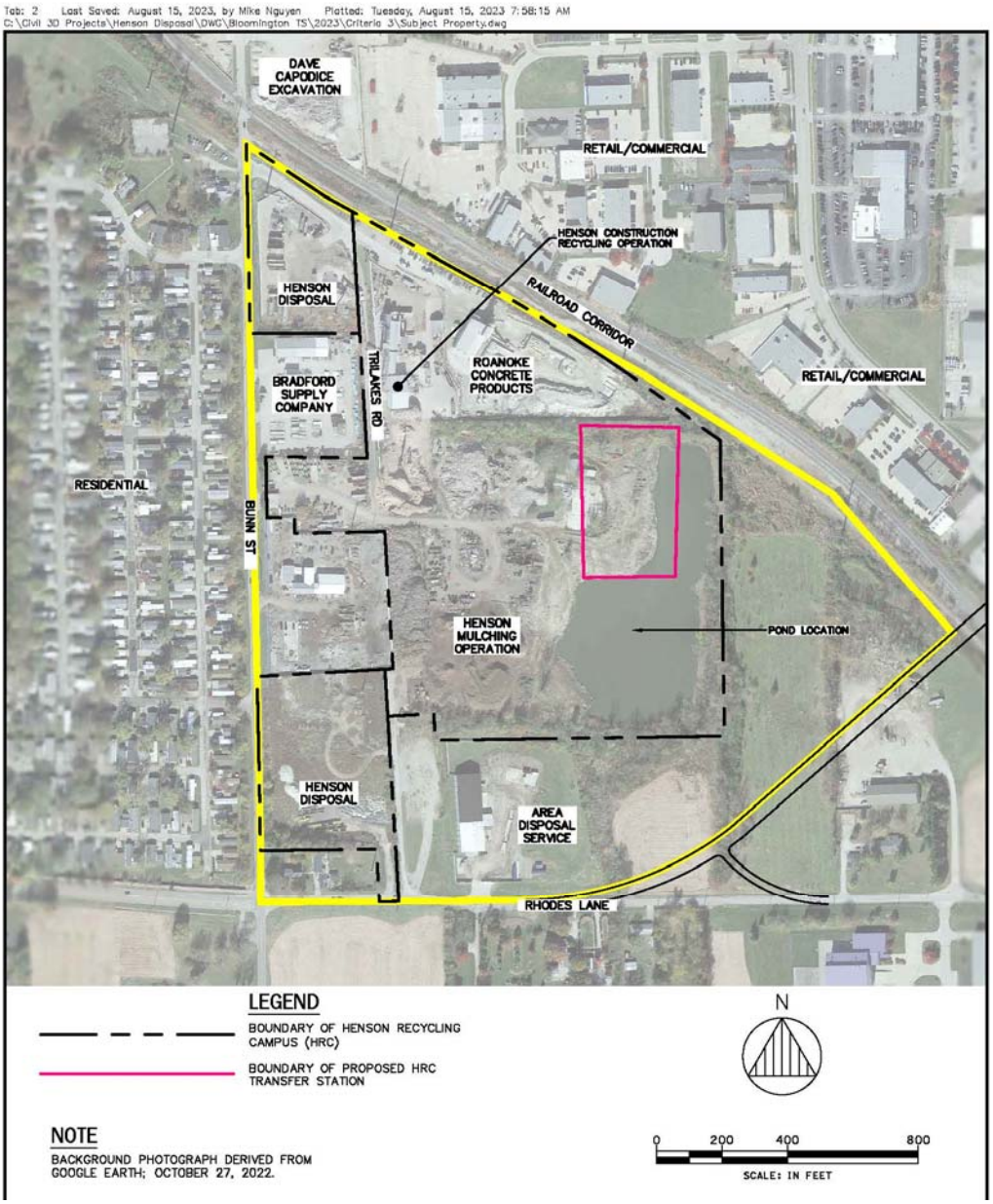
It is noteworthy that special purpose properties (property that is unique in style, design, use or zoning) tend to be owner-occupied in the study area and these facilities are used by the owner for an extended period of time. For this property type, the Highest and Best Use, greatest net return to the land and minimization of obsolescence are derived from the ongoing operation of the facility and business located therein.

The intended use of the subject property as the Proposed Henson Recycling Campus Transfer Station is an industrial application that is unique in use because this development requires specific local approvals, intensive approvals from governmental agencies and constant monitoring/regulation for development and continued operation. The state and local permitting process is extensive, and the siting application carries with it an extensive examination of physical and operational issues. Few Transfer Stations are sold or leased and when a sale occurs the transaction typically includes the real estate, permits, and may include the ongoing business assets.

DISCUSSION OF MAXIUM PRODUCTIVITY

Maximum productivity is the examination of the legally permissible, physically possible and financially feasible use that will yield the greatest net return to the land for the longest period of time. The examination of this test of Highest and Best Use requires a comparison of land values and the sale of similar improved properties.

It is noteworthy that the M-2, "General Manufacturing District" zoning classification does not specifically mention municipal waste transfer stations as a permitted use. Transfer Stations are not subject to zoning, but where they are present, they tend to be located in the most intensive industrial district of the community where that are located. In McLean County, the M-2, "General Manufacturing District" is the most intensive industrial area where a transfer station can be developed. This is consistent with existing uses in the study area that is outlined in yellow below.



Our examination of sales in the study area allows us to conclude that improved properties, with general industrial applications, sell at prices above that paid for vacant land. The data further indicates that special use properties that require a substantial effort for permitting or are sensitive to zoning considerations generally transfer between buyers and sellers who are in the same or related industries. These transfers typically reflect the "value in use" for the buyer.

My search of data allowed me to conclude that the highest price paid for properties like the subject is achieved when the "special use" real estate (property that is unique in style, design, use or zoning) is compatible with the surrounding applications, is located with good access to transportation amenities and involves parties that are in similar industries. The current uses in the study area and the Proposed Henson Recycling Campus Transfer Station meet the above referenced criterion. The intended use of the subject property for the development of the Proposed Henson Recycling Campus Transfer Station, therefore, is considered to be the maximally productive use of the subject property.

SUMMARY OF CONCLUSIONS

Based on the examination of the above referenced tests and the factors presented, the Highest and Best Use of the subject site is for the development of the Proposed Henson Recycling Campus Transfer Station in accordance with the AEI Drawings. This development, as the Highest and Best Use of the property, will have the most positive impact on the value of the subject and will contribute to the overall value of surrounding properties. The design and layout of the property will be functional for the intended use and will not be the cause of locational obsolescence (a detrimental condition) for nearby real estate.

Based on this analysis, I conclude that the development of the Proposed Henson Recycling Campus Transfer Station will not have a negative impact on the value of real estate in the subject area.

3.7 ANALYSIS OF COMPETITIVE SITES AND ADJACENT PROPERTIES

Valuation Concept

To assist in determining if the test of Criterion 3 - “the facility is located so as to minimize incompatibility with the character of the surrounding area and to minimize the effect on the value of the surrounding property” per 415 ILCS 5/39.2(a)(iii) is met we completed an examination of the sale activity and value trends located in areas where similar development has occurred.

It is noteworthy that the intended development of the Proposed Henson Recycling Campus Transfer Station is not the introduction of a new use or recycling/transfer station application in the area. The intended development will be located in an area that has developed historically with various recycling, outside storage, bulk plant manufacturing and automotive parts salvage uses. For this reason, the intended development of the Proposed Henson Recycling Campus Transfer Station is the logical extension of is consistent with the existing uses in the area.

To assist in formulating an opinion of the impact the development of the Proposed Henson Recycling Campus Transfer Station, I reviewed the impact report prepared by Park-Stoutamoyer & Associates, Inc. that is dated March 12, 2020 **(accepted and attached)**. The supplied report examines the value patterns surrounding two (2) existing transfer stations over an extended period of time to determine the impact, if any, that the transfer station use had on surrounding properties. A summary of the conclusions presented is as follows.

Transfer Station – 3000 East Ash Street, Springfield, Illinois

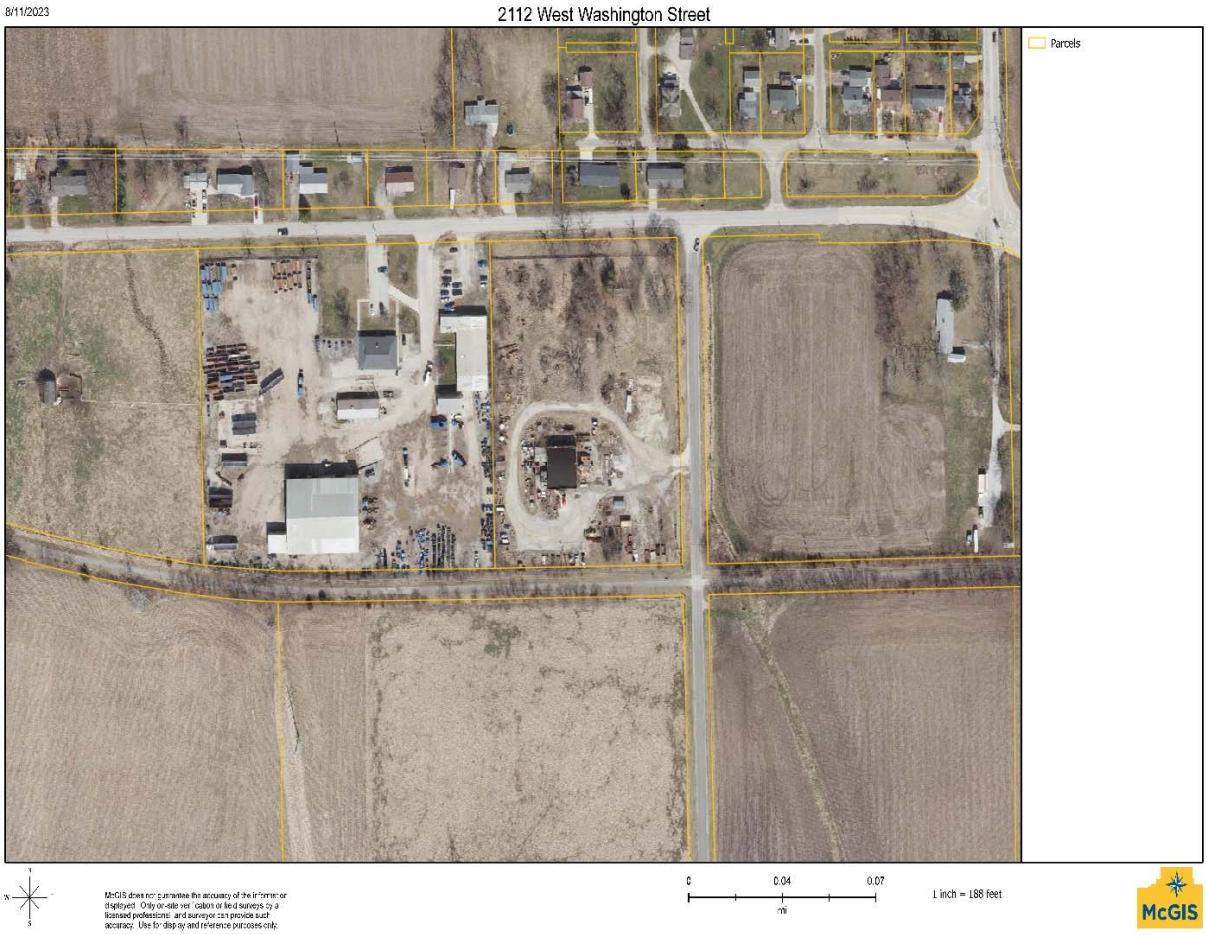
The supplied report indicates that this property has operated as a Solid Waste Transfer Station for 20 years or longer. My review of the report and current database information indicates that the area surrounding this transfer station consists of commercial, office and single-family residential properties. The report examines seven properties located in close proximity to the referenced transfer station location. In addition, an analysis of each property type is presented to determine if the value pattern is consistent with market activity.

I reviewed the location and data presented in the supplied report and confirmed that it is accurately presented. I further completed a search for additional sales over a five-year period within 1-mile of 3000 East Ash Street, Springfield, Illinois. The data presented in the report prepared by Park-Stoutamoyer & Associates, Inc. that is dated March 12, 2020 and the additional sales that occurred between 2020 and the present are consistent and support the conclusion that the transfer station did not have an adverse impact on surrounding real estate uses and value.

Transfer Station – 2112 West Washington Street, Bloomington, Illinois

The supplied report indicated that the above referenced property has operated as a Municipal Solid Waste Transfer station for 30 years or more. My review of the report and current database information indicates that the area surrounding this transfer station consists of agricultural, commercial, and residential properties. The report examines three improved properties located in close proximity to the above referenced transfer station location. In addition, an analysis of each property type is presented to determine if the value pattern is consistent with market activity.

I reviewed the location and data presented in the supplied report and confirmed that it is accurately presented. I further completed a search for additional sales over a five-year period within 3,000 feet of 2112 West Washington Street, Bloomington, Illinois. The data presented in the report prepared by Park-Stoutamoyer & Associates, Inc. that is dated March 12, 2020 and the additional sales that occurred between 2020 and the present are consistent and support the conclusion that the transfer station did not have an adverse impact on surrounding real estate uses and value. See illustration below.



Transfer Stations – 2850 Mound Road, Joliet, Illinois

To the best of my knowledge, the property located at the above address has operated as Solid Waste Transfer Stations for 20 years or more. My review of database information indicates that the area surrounding these transfer stations consists of industrial, commercial and vacant properties.

I completed a search of sales in the area bounded by Interstate 80 (North), Hollywood Road (West), Larkin Avenue (East) and Illinois Route 6 (South). The search yielded seventy transactions that occurred since 2008 with several transactions being the sale and resale of the same property. A comparison of these transactions indicate that the properties located nearest the transfer stations and recycling facilities on Mound Road and Moen Avenue increased in price at a rate similar to properties located away from the transfer station and recycling facilities on Mound Road and Moen Avenue. The sales indicate that the existence of the transfer stations and recycling facilities did not have an adverse impact on surrounding real estate uses and value.

Hilltop Mobile Home Park

To the best of my knowledge, the properties located within the above referenced mobile home park have been present since approximately 1970. As depicted in the aerial history of the area, presented below, this facility has co-existed adjacent to the continued development of the subject study area (outlined in yellow elsewhere) for over fifty (50) years. A search of database material for transactions in the Hilltop Mobile Home Park indicates that the price of units has been consistent over an extended period of time. Additionally, a review of the aerial history of the area indicates that the location of units nearest Bunn Street exhibit no excessive vacancy or resistance to the adjacent recycling/industrial applications. The sales and aerial history of the area indicate that the existing recycling uses on the east side of Bunn Street did not have an adverse impact on surrounding real estate uses and value.

Photographs below reflect the time between 1995 and 2023.

1995

2005

2010

2023

Study of Sales Bounded By Veterans Parkway, Morrissey Drive, Rhodes Lane and the Norfolk and Southern Railroad Right of Way

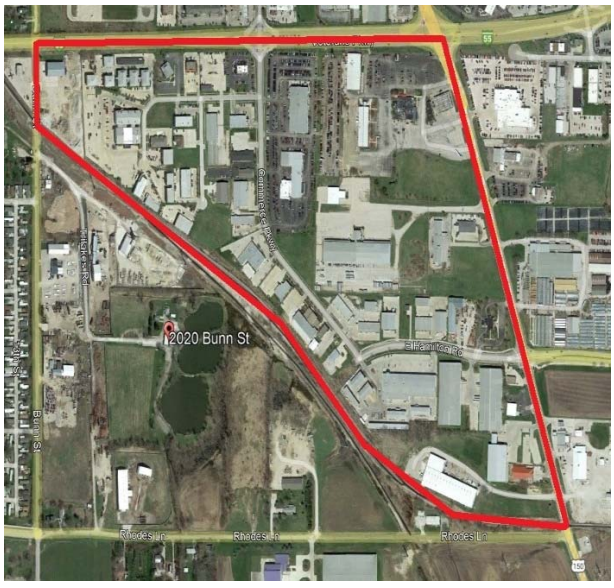
As part of this analysis, I completed a search for sales data located east of the study area (east of the Norfolk and Southern Railroad Right of Way and outlined in red below). The search of property transfers since 2008 indicates that twenty-eight (28) sales occurred in this area with several of the properties having sold and re-sold. The data indicates that properties nearest the proposed transfer station and the existing recycling/industrial applications operated in a manner that is similar to those located away from these uses. As depicted in the aerial history of the area, located below, the area adjacent to and east of the proposed development has increased in capacity and or remained consistent over an extended period of time.

The sales and aerial history of the area indicate that the existence of the existing recycling uses did not have an adverse impact on surrounding real estate uses and value.

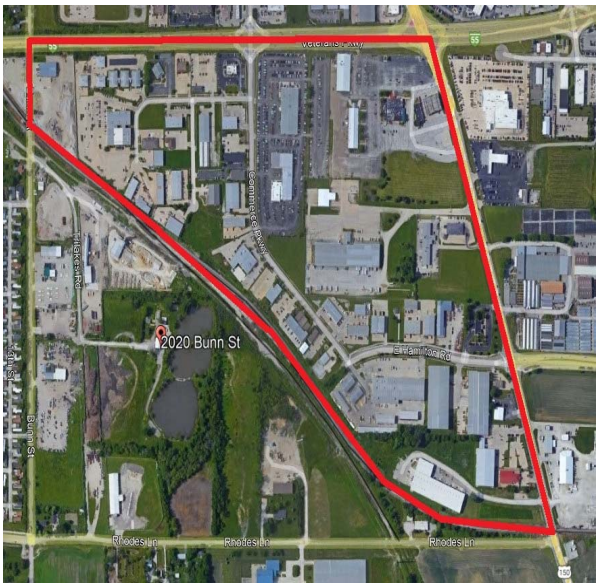
1994

1999

2015



2023



3.8 CONCLUSIONS

Based on the above information, APC concludes that the development of the subject site, with the Proposed Henson Recycling Campus Transfer Station, meets the criteria set forth in the Illinois Environmental Protection Act, 415 ILCS 5/39.2 (a) (iii), commonly referred to as "Criterion 3" and that the facility is "located so as to minimize incompatibility with the character of the surrounding area and to minimize the effect on the value of the surrounding property". This conclusion is supported by the following.

- The subject property is located in an area of historic and current recycling and industrial use and development.
- The industrial area within which the subject site is located has man-made boundaries that isolate and buffer the area. This effectively minimizes any influences the uses in this industrial area (including the development of the Proposed Henson Recycling Campus Transfer Station) have on properties located outside of the area.
- The location of the subject property has sufficient access to primary roadways of Bunn Street, Hamilton Road/Rhodes Lane, Main Street, Morrissey Drive, Veterans Parkway, Interstate 74 and Interstate 55 to accommodate the development of the Proposed Henson Recycling Campus Transfer Station.
- Historical and current industrial development activity in the area includes a large percentage of waste management and material handling uses that are similar to the intended use of the subject property. The proposed use is very consistent with the existing uses in the area.
- Both McLean County and the City of Bloomington encourage development to occur in consistent and defined areas and the proposed use is consistent with zoning classifications in the area.
- Because the proposed use is consistent with and conforms to the current and planned uses in the subject area, the impact the proposed use will have on adjacent and nearby property values is minimized.
- The physical characteristics of the subject property, in the existing configuration and condition, are an underutilization of the property because the improvements require upgrading or redevelopment to extend their useful life. The intended development, with the Proposed Henson Recycling Campus Transfer Station, will include significant infrastructure and improvements that will be an enhancement to the property.
- The infrastructure improvements to the subject site will result in secondary improvements (e.g., improved storm water management and Bunn Street improvements) and will improve the subject area.
- Market data demonstrates that users in the study area tend to be long term occupants of properties. The proposed use will ensure a long-term stable use of this property.

3.8 CONCLUSIONS (CONT'D)

- Development with the Proposed Henson Recycling Campus Transfer Station is the Highest and Best Use of the subject property, as improved and will not be a source of locational obsolescence (Detrimental Condition) in the area.
- Development of property in accordance with its Highest and Best Use has a positive impact on surrounding property values and assists to minimize the effect on the value of surrounding property.
- A review of the study prepared by Park-Stoutamoyer & Associates, Inc. that is dated March 12, 2020 **(Accepted and Attached)** as well as the examination of the impact of a transfer station and recycling facilities in Rockdale and Joliet, Illinois allows me to conclude that the Proposed Henson Recycling Campus Transfer Station, as improved, will not be a source of locational obsolescence in the subject location.

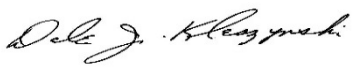
3.9 CERTIFICATION

I certify that, to the best of my knowledge and belief:

- The statements of fact contained in this report are true and correct.
- The reported analyses, opinions, and conclusions are limited only by the reported assumptions and limiting conditions and are my personal, impartial, and unbiased professional analyses, opinions and conclusions.
- I have no present or prospective interest in the property that is the subject of this report and I have no personal interest with respect to the parties involved.
- I have no bias with respect to the property that is the subject of this report or to the parties involved with this assignment.
- My engagement in this assignment was not contingent upon developing or reporting predetermined results.
- My compensation for completing this assignment is not contingent upon the development or reporting of a predetermined value or direction in value that favors the cause of the client, the amount of the value opinion, the attainment of a stipulated result, or the occurrence of a subsequent event directly related to the intended use of this appraisal.
- My analyses, opinions, and conclusions were developed, and this report has been prepared, in conformity with the requirements of the Code of Professional Ethics & Standards of Professional Appraisal Practice of the Appraisal Institute.
- The use of this report is subject to the requirements of the Appraisal Institute relating to review by its duly authorized representatives.
- I, Dale J. Kleszynski, MAI, SRA, have made a personal inspection of the property that is the subject of this report.
- I, Patrick A. Kleszynski, MAI, provided significant appraisal assistance. Dale J. Kleszynski, MAI, SRA formulated the conclusions presented.
- No one provided significant real property appraisal assistance to the person signing this certification.
- As of the date of this report, I (Dale J. Kleszynski, MAI, SRA) have completed the continuing education program for Designated Members of the Appraisal Institute.
- As of the date of this report, I (Patrick A. Kleszynski, MAI) have completed the continuing education program for Designated Members of the Appraisal Institute.
- Other than ongoing work associated with this assignment, we have not completed an appraisal or analysis of the subject property during the past three years.

Respectfully submitted,

Patrick A. Kleszynski, MAI
Vice President
Associated Property Counselors, Ltd.
Certified General Real Estate Appraiser (IL License Number 553.002510)
Expires 9/30/2023



Dale J. Kleszynski, MAI, SRA
President
Associated Property Counselors, Ltd.
Certified General Real Estate Appraiser (IL License Number 553.000213)
Expires 9/30/2023

3.10 UNDERLYING ASSUMPTIONS AND LIMITING CONDITIONS

1. By this notice, all persons and firms reviewing, using or relying on this report in any manner bind themselves to accept these assumptions and limiting conditions. **Do not use this report if you do not accept these assumptions and limiting conditions**. These conditions are a preface to any certification, definition, fact or analysis, and are intended to establish as a matter of record that the consultant's function is to provide an opinion based on the appraiser's/consultant's observations of the subject property and real estate market as of a certain date. As the property and conclusions may be impacted by the passage of time due to various factors including, by way of description and not limitation: physical changes, economic changes and/or market activity, the opinions are considered to be reliable as of the date of the assignment. Subsequent to that date, the appraiser(s)/consultant(s) reserve the right to amend the analysis and/or conclusion in light of such changed conditions. This appraisal/consulting assignment and report are not an engineering, construction, legal or architectural study or survey and expertise in these areas is not implied.

2. The liability of Associated Property Counselors, Ltd., its officers, employees, contractors, and associate appraisers/consultants (hereinafter referred to collectively as "APC") is limited to the identified client. There is no accountability, obligation, or liability to any third party except if otherwise specifically stated within the report. APC's maximum liability relating to services rendered under this assignment (regardless of form of action, whether in contract, negligence or otherwise) shall be limited to the charges paid to APC for the portion of its services or work products giving rise to liability. In no event shall APC be liable for any consequential, special, incidental or punitive loss, damage or expense (including without limitation, lost profits, opportunity costs, etc.) even if advised of their possible existence. If this report is placed in the hands of anyone other than the client, the client shall make such party aware of all limiting conditions and assumptions of the assignment and related discussions. The appraisers/consultants are in no way responsible for any costs incurred to discover or correct any deficiency in the property. In the case of limited partnerships or syndication offerings or stock offerings in real estate, the client agrees that in case of lawsuit (brought by lender, partner, or part owner in any form of ownership, tenant, or any other party), the client will defend and hold Associated Property Counselors, Ltd., its officers, employees and associate appraisers/consultants completely harmless. Acceptance of and/or use of this report by the client or any third party is prima facie evidence that the user understands and agrees to these conditions.

3. The user/client agrees that any dispute arising from the completion of this assignment shall be settled through mediation and/or arbitration.

4. The report is intended to comply with the reporting requirements set forth in the Uniform Standards of Professional Appraisal Practice and it may or may not include discussions of the data, reasoning, and analysis used in the process of developing the appraiser's/consultant's opinion. The extent of the discussion and analysis applicable is based on the scope of work and report option outlined in the letter of transmittal and report. In some instances supporting documentation data, reasoning, and analyses is retained in the appraiser's file and/or office. The information contained in the report is specific to the needs of the client and for the intended use stated in the report. The appraiser/consultant is not responsible for unauthorized use of the report.

5. Unless otherwise specifically stated in the report, the assignment is based on the following assumptions: (a) that there is full compliance with all applicable federal, state and local environmental regulations and laws; (b) that all zoning, building, use regulations and restrictions of all types have been complied with; and (c) that all licenses, consents, permits, or other documentation required by any relevant legislative or administrative authority, local, state, federal and/or private entity or organization for any use considered in the value estimate have been or can be obtained or renewed.

6. As far as possible, the appraisers/consultants have inspected the property by personal observation. It is not, however, possible to observe conditions beneath the soil or hidden structural components. In this assignment it is assumed that the existing soil has the proper load bearing qualities to support the existing or proposed improvements where they exist or where they are proposed to exist. In this assignment no investigation of the potential for seismic hazard in the subject area was made. In this assignment mechanical components within the improvements were not critically inspected and no representations are made as to these matters unless specifically stated and considered in this report. In this assignment it is assumed that there are no conditions of the property site, subsoil, or structures, whether latent, patent or concealed, which would render it less valuable.

7. Unless otherwise stated within the report, no title evidence pertaining to easements, leases, reservations or other parties-in-interest was furnished.

8. In valuation assignments the property is appraised in fee simple estate unless otherwise noted.

9. In valuation assignments, the appraisal/consulting agreement assumes responsible ownership and competent management.

10. In this assignment it is assumed that the title of the property is good and merchantable. No responsibility is assumed for matters that are legal in nature, nor is any opinion of the state of the title to the property rendered herewith. A survey was not provided to the appraiser/consultant unless specifically stated in this report.

11. All data provided by the client or researched from public records is deemed reliable. If any errors are found that could have a material impact on the conclusion, APC reserves the right to recall this report and amend the analysis and/or conclusions. No guarantee is made for the accuracy of estimates or opinions furnished by others and contained in this report.

12. No liability is assumed for matters of legal character affecting the property, including by way of description and not limitation: title defects, encroachments, liens, overlapping lines.

13. Any liens or encumbrances that may now exist have been disregarded. In valuation assignments property is appraised as though free of indebtedness and as though no delinquency in payment of general taxes and special assessments exist.

14. In valuation or consulting assignments, any value assigned to improvements is in proportion to the contribution said improvements make to the value of the property as a whole.

15. Compensation for appraisal/consulting services is dependent only upon the delivery of the report.

16. In valuation or consulting assignments, the value found by the appraiser/consultant is in no way contingent upon the compensation to be paid or the appraisal services.

17. The assignment is completed in compliance with the Uniform Standards of Professional Appraisal Practice (USPAP) and the Code of Ethics of the Appraisal Institute.

18. In the event that the subject property enters into condemnation proceedings, it is assumed the appraiser/consultant will be given additional time for court preparation.

19. No portion of this report may be published or reproduced without the prior written consent of the appraiser/consultant and APC.

20. Unless specifically stated otherwise within the report, no earthquake compliance report, engineering report, flood zone analysis, hazardous waste or asbestos analysis was made, provided or ordered in conjunction with this assignment. The client is strongly urged to retain experts in these fields, if so desired.

21. In valuation assignments involving apartments, attempts were made to inspect a representative sample of the total number of units. In these assignments it is assumed that the condition and finish of all units is similar to the condition and finish of the inspected units. If it is determined that units not inspected differ from those inspected units in either condition or finish, the appraiser/consultant reserves the right to recall the appraisal to amend the analysis and/or conclusion.

22. Appraisal or consulting assignments involving less than the whole fee simple estate are subject to the following additional limitation: “The value reported for such estates relates to a fractional interest only in the real estate involved and the value of the fractional interest plus the value of all other fractional interests may or may not equal the value of the entire fee simple estate considered as a whole.”

23. Appraisal or consulting assignments that relate to geographical portions of a large parcel or tract of real estate are subject to the following additional limitation: “The value reported for such geographical portion relates to such portion only and should not be construed as applying with equal validity to other portions of the larger parcel or tract. The value reported for such geographical portion plus the value of all other geographical portions may or may not equal the value of the entire parcel or tract considered as an entity.”

24. The appraiser/consultant assumes that a any purchaser of the property that is the subject of this report is aware that (1) an appraisal of the subject property does not serve as a warranty of the condition of the property, (2) it is the responsibility of the purchaser to examine the property carefully and to take all necessary precautions before signing a purchase contract, and (3) any estimate for repairs is a non-warranted opinion of the appraiser/consultant unless otherwise stated.

25. Assignments prepared based upon provided plans and specifications are based on the assumption that the project is completed in a workmanlike manner in compliance with the plans and specifications. In prospective value assignments, it is understood and agreed that the appraiser/consultant cannot be held responsible for unforeseen events that impact the value or any conclusion presented. The user of the report and client agree that unforeseeable events may alter market conditions prior to completion of the project. The user and client agree the appraiser has the right to amend the report and conclusions in light of the identified changes.

26. In assignments where a Discounted Cash Flow Analysis is used as an analytical tool the user and client understand that the analysis has been prepared on the basis of information and assumptions identified in this report. The user/client understand that the achievement of any financial projections will be affected by fluctuating economic conditions and the conclusion is dependent upon the occurrence of other future events that cannot be assured Therefore, the actual results achieved may vary from the projections made and such variation may be material. The client agrees to allow the appraiser to revise the conclusion and report in light of these changes.

27. Prior to entering into an agreement to perform any assignment, an appraiser/consultant must carefully consider the knowledge and experience that will be required to complete the assignment competently; disclose any lack of specific knowledge or experience to the client; and take all steps necessary or appropriate to complete the assignment competently. The appraisers/consultants have both the knowledge and experience required to complete this assignment competently.

28. The appraisers/consultants have inspected the subject property with the due diligence expected of a professional real estate appraiser. The appraisers/consultants are not qualified to detect hazardous waste and/or toxic materials. Any comment by the appraisers/consultants that might suggest the possibility of the presence of hazardous waste and/or toxic materials are subject to review by a qualified expert in the field. The user/client agree that the appraiser/consultant has the right to amend the assignment, report and conclusion after an investigation by a qualified expert in the field of environmental assessment is completed.

29. The user/client understands that the presence of substances such as asbestos, urea formaldehyde foam insulation, or other hazardous substances or environmental conditions, may affect the property and the conclusions presented. The appraiser's/consultant's opinion and conclusions are predicated on the assumption that there is no such condition on, in or near the property that could cause a loss in value or an extension of the marketing time. The user/client agree to allow the appraiser/consultant to review and amend the analysis, report and conclusions if the referenced substances or others exist on the property.

30. No responsibility is assumed for any environmental conditions, or for any expertise or engineering knowledge required to discover them. The appraiser's/consultant's descriptions and resulting comments are the result of routine observations made during the appraisal process. The client is urged to retain an expert in this field, if so desired.

31. The Americans with Disabilities Act (ADA) became effective January 26, 1992. No specific compliance survey and analysis of this property have been made to determine whether or not it is in conformity with the various detailed requirements of the ADA. It is possible that a compliance survey of the property, together with a detailed analysis of the requirements of the ADA could reveal that the property is not in compliance with one or more requirements of the Act. The user/client understands that, this fact could have an effect on the property and conclusions presented. In this assignment the possibility of non-compliance with the requirements of ADA was not considered. The user/client agree that the appraiser/consultant has the right to amend the assignment, report and conclusion after an investigation by a qualified expert in the field is completed.

3.11 STATEMENT OF PROFESSIONAL QUALIFICATIONS

DALE J. KLESZYNSKI, MAI, SRA

Dale J. Kleszynski, MAI, SRA, is president and principal shareholder of Associated Property Counselors, Ltd. He has served as an expert witness in various areas of litigation and arbitration practice including zoning issues and disputes, legal malpractice, appraisal malpractice, dispute management, mediation, appraisal methodology, damages and eminent domain matters. As part of his service, he has prepared use impact studies, highest and best use studies, feasibility studies, cost estimates, estimates of just compensation, leasehold interests and leased fee interests. In addition to the above services, he has provided documented appraisals for financial institutions, corporations, developers, municipalities, governmental agencies, law firms, school districts and private individuals. Appraisal, arbitration and consulting assignments have been completed on a regional and nationwide basis.

Mr. Kleszynski has taught numerous appraisal and USPAP courses for professional organizations and specialized groups and he served as part of the development team that authored courses for the Appraisal Institute. He serves as a qualified instructor for the Appraisal Institute and is a certified USPAP instructor for the Appraisal Foundation. During the past 25 years, he has served on numerous national and local committees for the State of Illinois and the Appraisal Institute. Mr. Kleszynski is licensed and certified to complete appraisal and consulting assignments in the states of Illinois, Indiana, and Michigan.

Educational Background

Loyola University of Chicago, Bachelor of Arts, 1971

Completed all educational, admissions, demonstration report and comprehensive examination requirements to be awarded the MAI and SRA designations by the Appraisal Institute

Currently certified under the Appraisal Institute Continuing Education Program

Currently certified under the Continuing Education Requirements of the State of Illinois

Currently certified under the Continuing Education Requirements of the State of Indiana

Currently certified under the Continuing Education Requirements of the State of Michigan

STATEMENT OF PROFESSIONAL QUALIFICATIONS

DALE J. KLESZYNSKI, MAI, SRA

Professional Designations and Certification

Member of the Appraisal Institute - MAI No. 6747
Senior Residential Appraiser - SRA

Illinois State Certified Real Estate Appraiser- License No. 553.000213
Indiana Certified General Appraiser - License No. CG49300022
Michigan State Certified Appraiser - License No. 12-01-004591

Appraisal and Consultation Experience

Since 1979, various types of real estate, including:

- Office and commercial buildings
- Assisted living facilities
- Apartment structures and complexes
  - Including Low Income Housing Tax Credit complexes
- Industrial and warehouse properties
- Single-family and condominium residential properties
- Vacant land
  - Residential, multi-family, commercial, and industrial
- Special purpose properties
  - Including bulk petroleum storage facilities, steel fabricating plants, hotels, soccer arenas, golf courses, motels, chemical processing facilities, restaurants, bank facilities and ice arenas
- Eminent domain projects
  - McCormick Place expansion
  - Extension of Interstate 355 in Cook and Will Counties
  - City of Hammond v. Great Lakes Marina
  - Palwaukee Airport expansion
  - Lansing Municipal Airport expansion
  - Little Calumet River and Levee and Flood Abatement Project
  - O'Hare International Airport expansion
  - Various road and municipal projects
- Various zoning and municipal projects
  - Adult use impact study - County of Cook
  - Impact study for group home zoning
  - Impact studies for cell tower development
  - School site selection
  - Commercial development impact studies
  - Real estate tax impact studies
- Arbitration
  - Sole arbitrator to determine just compensation for a fiber optic easement

STATEMENT OF PROFESSIONAL QUALIFICATIONS

DALE J. KLESZYNSKI, MAI, SRA

Service Offices

President - Chicago Chapter of the Appraisal Institute
Regional Representative - Appraisal Institute
Division of Faculty - Appraisal Institute
Regional Chairman - Ethics Administration
Assistant Regional Representative - Review and Counseling
National Board of Directors - Appraisal Institute
Vice Chairman - General Appraisal Board
Chairman - General Appraisal Board
Executive Committee - Appraisal Institute
National Nominating Committee - Appraisal Institute
General Appraisal Council

Professional Experience

President and Chief Appraiser, Associated Property Counselors, Ltd.
Staff Appraiser, Abacus Realty Appraisers, Inc., Chicago
Staff Appraiser, Property Assessment Advisors, Chicago
Staff Appraiser, Central Appraisal Company, Chicago
Mortgage Loan Officer, First Calumet City Savings and Loan, Calumet City, Illinois

Course and Seminar Development

Course 700 - Introduction to Litigation - Development Team
Course 710 - Eminent Domain - Part A - Development Team
Course 720 - Eminent Domain - Part B - Development Team
Individual seminars for the Cook County State's Attorney

STATEMENT OF PROFESSIONAL QUALIFICATIONS

DALE J. KLESZYNSKI, MAI, SRA

Qualified Instructor for the Appraisal Institute

Courses:

Basic Income Capitalization
General Applications
7-Hour National USPAP Update Course
General Appraiser Sales Comparison Approach
15-Hour National USPAP Course
Business Practices and Ethics
Advanced Income Capitalization
Advanced Applications
The Appraiser as an Expert Witness: Preparation & Testimony
Litigation Appraising: Specialized Topics and Applications
Condemnation Appraising: Basic Principles and Applications
Condemnation Appraising: Advanced Topics and Applications

Seminars:

Litigation Skills for the Appraiser
Partial Interest Valuation – Undivided
Case Studies in Commercial Highest and Best Use
Understanding and Testing DCF Valuation Models
Appraisal Review – General
Supporting Capitalization Rates
Scope of Work: Expanding Your Range of Services
The Road Less Traveled: Special Purpose Properties
Real Estate Finance, Value, and Investment Performance
Introduction to Income Capitalization

STATEMENT OF PROFESSIONAL QUALIFICATIONS

PATRICK A. KLESZYNSKI, MAI

Patrick A. Kleszynski, MAI joined Associated Property Counselors, Ltd. in 2008. After completing both qualifying and continuing education coursework, professional experience requirements and examinations, he obtained his Certified General Real Estate Appraiser licensure with the state of Illinois in 2015 and the state of Indiana in 2016. In April 2016, Mr. Kleszynski received his MAI designation from the Appraisal Institute. Over the course of his career, he has provided real estate appraisal and consulting services involving a variety of residential, commercial, industrial and special purpose properties for mortgage financing, real estate tax appeal, estate planning and litigation assignments. Mr. Patrick A. Kleszynski, MAI is currently the vice president of Associated Property Counselors, Ltd. and is the firm's senior commercial staff appraiser.

EDUCATION

Illinois Wesleyan University, Bachelor of Arts, 2006

APPRAISAL COURSES

Real estate appraisal classes successfully completed through the Appraisal Institute:

- Basic Appraisal Principles
- Basic Appraisal Procedures
- 15-Hour National USPAP
- Business Practices and Ethics
- General Appraiser Income Approach (Part 1)
- General Appraiser Income Approach (Part 2)
- General Appraiser Site Valuation & Cost Approach
- General Appraiser Sales Comparison Approach
- General Appraiser Market Analysis & Highest and Best Use
- Real Estate Finance, Statistics and Valuation Modeling
- General Appraiser Report Writing and Case Studies
- Advanced Income Capitalization
- Advanced Market Analysis and Highest & Best Use
- Advanced Concepts and Case Studies

LICENSURE

Illinois State Certified General Real Estate Appraiser – License No. 553.002510
Indiana State Certified General Appraiser – License No. CG41600007
Currently certified under the Continuing Education Requirements of the State of Illinois and State of Indiana

AFFILIATIONS

MAI Designated member of the Appraisal Institute

PROFESSIONAL EXPERIENCE

Associated Property Counselors – July 2008 to Present

Responsibilities include appraising various types of real estate, both existing and proposed, including single-family homes, multi-family structures and complexes, industrial manufacturing and warehouse properties, commercial office and retail buildings, and vacant land (residential, commercial and industrial).

3.12 PARTIAL LIST OF CLIENTS

Financial Institutions

American Chartered Bank
Associated Bank
Bank of Choice
Baytree Bank
Centrue Bank
Cole Taylor Bank
Delaware Place Bank
Fifth Third Bank
First Choice Bank
First Financial Bank
First Midwest Bank
First Trust
George Washington Savings Bank
Harris Bank
Heritage Community Bank
LaSalle Bank
MB Financial
Mercantile Bank
Midwest Bank
National City Bank
Peoples Bank
S & T Bank
Standard Bank
State Bank of Countryside
The Private Bank

Government Services Administration

City of Chicago
City of Kankakee
City of Palos Heights
City of Park Ridge
Cook County State's Attorney
Department of Justice
DuPage County State's Attorney
DuPage County Assessor's Office
Federal Aviation Administration
Frankfort Square Park District
Homewood-Flossmoor Park District
Kankakee County State's Attorney
Lake County Parks Department
Lan Oak Park District
Lansing Municipal Airport
Little Calumet River Basin Development
Manteno Township Assessor's Office
McHenry County Conservation District
Office of Banks and Real Estate
Town of Hobart
Town of Munster
University of Illinois
Various School Districts in Cook, DuPage, Lake, and Will Counties
Village of Bradley
Village of Burr Ridge
Village of Crestwood
Village of Glen Ellyn
Village of Lansing
Village of Lombard
Village of Maywood
Village of Oak Lawn
Village of Orland Park
Village of Riverdale
Village of Rosemont
Village of Western Springs
Village of Wheeling
Waubonsee Community College
Will County State's Attorney
Wisconsin Department of Revenue

Corporations

The Archdiocese of Chicago
AT&T
Attorney's Title Insurance Fund, Inc.
BP International
BP Products – North America
Broadacre Management
Casey's General Store
Commonwealth Edison
FP International
Gallagher Asphalt
Gallagher & Henry
Garvey Marine
Lucent Technologies
McDonald's Corporation
Moser Enterprises
Pasquinelli Development
Peoples Energy
Prairie Material Sales, Inc.
The Pritzker Foundation
Robinson Engineering
RR Donnelley Company
Sherwin-Williams Company
T-Mobile USA, Inc.
Taco Bell
Travelers Insurance
U. S. Steel Corporation
Wiseman-Hughes Enterprises

PARTIAL LIST OF CLIENTS

Professional Law Firms

Antonopoulos & Virtel, P.C.
Arnstein & Lehr, LLP
Azulay Seiden Law Group
Baker & McKenzie
Bell, Boyd & Lloyd, LLP
Blachly, Tabor, Bozik & Hartman
Burke, Burns and Pinelli, Ltd.
Burke, Warren, McKay & Serritella, P.C.
Campion, Curran, Dunlop & Lamb
Casale, Woodward & Buls, LLP
Clifford Law Offices
Defrees & Fisk, LLC
DLA Piper
Dunn Martin Miller & Heathcock, Ltd.
Eiden & O'Donnell, Ltd.
Figliulo & Silverman, P.C.
Fioretti, Lower & Carbona, LLP
Foley & Lardner, LLP
Foran, O'Toole & Burke, LLC
Franczek Radelet P. C.
Goldstine, Skrodzki, Russian, Nemec & Hoff, Ltd.
Goodman, Katz and Scheele
Gordon & Pikarski
Green, Schoenfeld & Kyle, LLP
Harrison & Held
Helm and Wagner
Hinshaw & Culbertson, LLP
Holland and Knight, LLC
Huck Bouma
Jenner & Block, LLP
Joyce, Edward T. & Associates, P.C.
Klein, Thorpe & Jenkins, Ltd.
Koransky, Bouwer & Poracky, PC
Law Office of Eugene M. Feingold
Law Office of Matthew J. Carmody
Law Office of John K. Kallman
Law Office of Bryan P. Lynch
Law Office of Ronald N. Primack, LLC
Law Office of Randall A. Wolff
Liston & Tsantilis, P.C.
Masters, Charles J., Ltd.
McGuire Woods, LLP
Neal & Leroy, LLC
Newby, Lewis, Kaminski & Jones, LLP
Noonan & Lieberman, Ltd.
Peacock & McFarland, P.C.
Petersen and Houpt
Polsinelli Shughart PC
Pretzel & Stouffer, Chartered
Rathbun, Cservenyak & Kozol, LLC
Righeimer Martin and Cinquino
Robbins Schwartz
Ryan and Ryan
Sandrick Law Firm
Savaiano & Spear
Schain, Burney, Ross & Citron, Ltd.
Schopf & Weiss, LLP
Seyfarth Shaw
Shaw Fishman Glantz & Towbin
Sonnenschein Nath & Rosenthal, LLC
Sosin & Arnold, Ltd.
Sullivan, Hincks & Conway
Sullivan, John P., DDS, JD
Tressler, LLP
Whitt Law

Personal and case references available upon request

ADDENDA

Property Value Impact Study
Of
Property Located At

2020 Bunn Street
Bloomington, Illinois 61704
(PSA File No. 20-0006)

For

Mr. Rich Guerard
Guerard, Kalina & Butkus
310 S. County Farm Road, Suite H
Wheaton, Illinois 60187-2409

By

David A. Park, SRA
IL Certified Residential Real Estate Appraiser
IL Certification No. 556.001222

W. Bradley Park, MAI
IL Certified General Real Estate Appraiser
IL Certification No. 553.000407

March 12, 2020

Mr. Rich Guerard
Guerard, Kalina & Butkus
310 S. County Farm Road, Suite H
Wheaton, Illinois 60187-2409

Re: 2020 Bunn Street
Bloomington, Illinois 61704
(PSA File No. 20-0006)

Dear Mr. Guerard:

In response to your authorization, we have conducted the required investigation, gathered the necessary data, and made certain analyses that have enabled us to form an opinion of the property value impact of the proposed Henson Municipal Solid Waste Transfer Facility.

The analyses, opinions and conclusions were developed based on, and this report has been prepared in conformance with our interpretation of the guidelines and recommendations set forth in the Uniform Standards and Professional Appraisal Practice (USPAP) and the requirements of the Code of Professional Ethics and Standards of Professional Appraisal Practice of the Appraisal Institute. The study has been completed at a level described in the Scope of Work section that can be found on pages 4-5. This study is subject to the assumptions, limiting conditions as well as extraordinary assumptions and hypothetical conditions as stated in this report.

The purpose of the assignment is to determine whether the proximity of the proposed Municipal Solid Waste Transfer Facility will result in any significant measurable impact on surrounding property values, giving the existing uses and zoning of nearby properties at the time of development. The intended use of our opinions and conclusions is to assist the client in addressing local concerns regarding a Municipal Solid Waste Transfer Facility's potential impact on surrounding property values, in addition to addressing the required criteria for obtaining approval for this use, such as minimizing the impact on adjacent property values. We have not been asked to value any specific property, and we have not done so. The client for this assignment is Mr. Rich Guerard. The report may be used only for the aforementioned purpose and may not be distributed without the written consent of Park-Stoutamoyer and Associates, Inc.

We have also reviewed published methodology for measuring impact on property values as well as published studies. We have also interviewed market participants, including property owners, realtors, tenants, etc., to give us insight as to how the market evaluates nearby properties. These studies found little to no measurable difference in value between the sales near the facilities and the sales in further proximity to a Municipal Solid Waste Transfer Facility, and are generally considered a compatible use. Considering all of this information, we can conclude that since the property sales of the existing Municipal Solid Waste Transfer Facility analyzed were not significantly affected by their proximity that properties surrounding other Municipal Solid Waste Transfer Facilities operating in compliance with regulatory standards will similarly not be adversely affected, in either the short or long term periods and the Facility is located so as to minimize the effect on the surrounding property value. It is our professional opinion the Transfer Facility is located so as to minimize incompatibility with the character of the surrounding area and to minimize the effect on the value of the surrounding property.

The following report of 94 pages presents a review of the study and our analysis of the data, along with other materials on which the study was predicated.

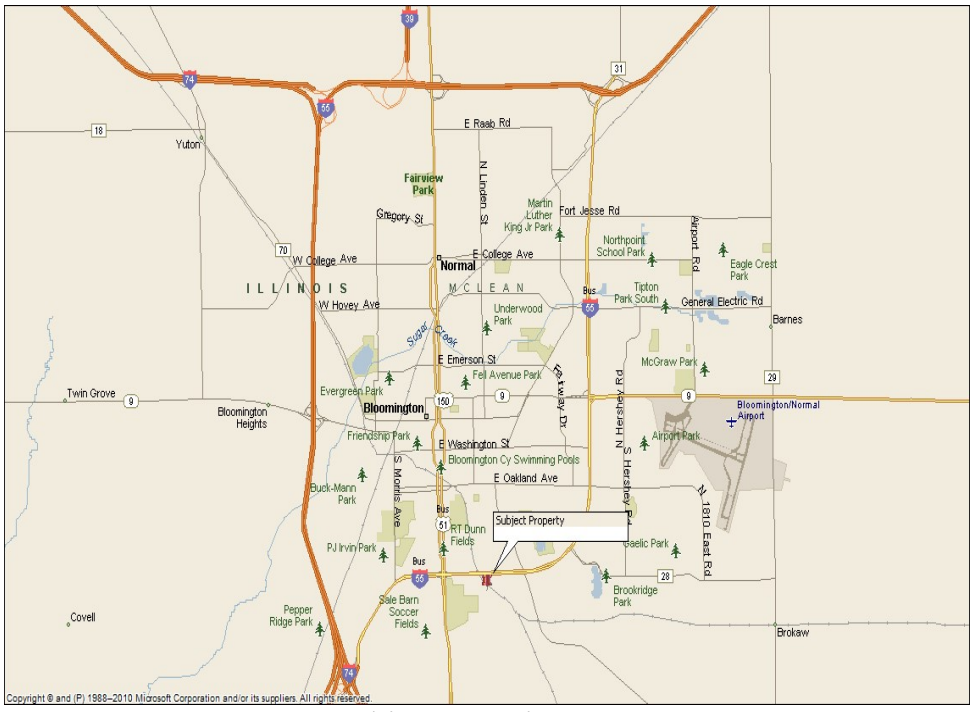
Respectfully submitted,

David A. Park, SRA
IL Certified Residential Real Estate Appraiser
IL Certification No. 556.001222

W. Bradley Park, MAI
IL Certified General Real Estate Appraiser
IL Certification No. 553.000407

PHOTOS TAKEN BY
DAVID A. PARK, SRA

Subject Property



Subject Location Map

AERIAL AREA VIEW

PROPOSED TRANSFER FACILITY

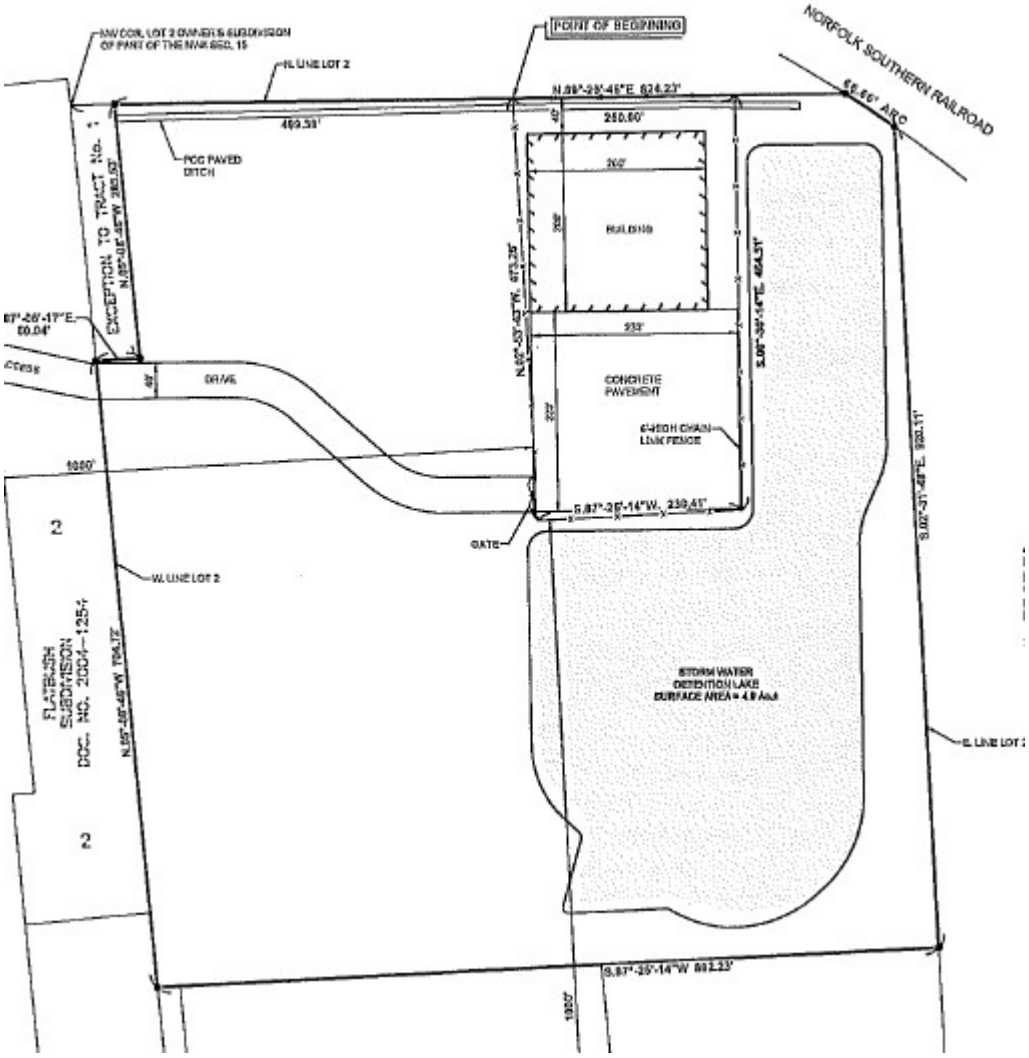


TABLE OF CONTENTS

INTRODUCTION

TABLE OF CONTENTS	i
ASSUMPTIONS AND LIMITING CONDITIONS	ii-iv
EXTRAORDINARY & HYPOTHETICAL ASSUMPTIONS	iv

DESCRIPTION ANALYSIS AND CONCLUSIONS

IDENTIFICATION OF THE PROPERTY & LEGAL DESCRIPTION	1
PURPOSE OF THE STUDY	2
DEFINITION OF MARKET VALUE	2
USE OF THE STUDY	3
SALES & LISTING HISTORY	3
DATE OF THE STUDY	3
SCOPE OF WORK	4-5
COMPETENCY PROVISION	5
AREA ANALYSIS	6-12
NEIGHBORHOOD ANALYSIS	13-27
SITE ANALYSIS	28-30
ZONING DATA	31
ASSESSMENT AND TAXES	32
CENSUS TRACT DATA	33
FLOOD HAZARD DATA	34
TRAFFIC COUNT	35
PERSONAL PROPERTY DATA	36
DESCRIPTION OF THE IMPROVEMENTS	36
METHODOLOGY	37
PROPERTY ANALYSIS	38-91
SUMMARY AND CONCLUSIONS	92-93
THE CERTIFICATION	**94**
RESTRICTIONS ON DISCLOSURE AND USE	**95**
QUALIFICATIONS OF THE APPRAISER	**96-101**

THIS STUDY IS SUBJECT TO THE FOLLOWING ASSUMPTIONS AND LIMITING CONDITIONS

1. This study covers the property as described in this report and the areas and dimensions as shown herein are assumed to be correct.

2. The appraisers assume no responsibility for matters of a legal nature affecting the property that is the subject of this study or the title thereto, nor do the appraisers render any opinion as to the title, which is assumed to be good and marketable. The property is studied as though under responsible ownership and competent management

3. The appraisers have made no survey of the property and assume no responsibility in connection with such matters. Any sketch or identified survey of the property included in this report is only for the purpose of assisting the reader to visualize the property.

4. The appraisers are not required to give testimony or attendance in court by reason of this study unless arrangements have been previously made.

5. The appraisers assume that there are no hidden or unapparent conditions of the property, subsoil, or structures, which would render it more or less valuable. The appraisers assume no responsibility for such conditions, or for engineering, which might be required to discover such factors.

6. The mechanical equipment is assumed to be in working condition. The appraisers have conducted no test of the mechanical equipment and hence make no warranty of said equipment.

7. The property is assumed to have a potable water supply.

8. It is assumed that the property is in full compliance with all applicable federal, state and local environmental regulations and laws unless the lack of compliance is stated, described, and considered in the report.

9. It is assumed that the property conforms to all applicable zoning and use regulations and restrictions unless nonconformity has been identified, described and considered in the report.

10. It is assumed that all required licenses, certificates or occupancy, consents, and other legislative or administrative authority from any local, state, or

national government or private entity or organization have been or can be obtained or renewed for any use on which the value estimate contained in this report is based.

11. It is assumed that the property complies with the Americans with Disabilities Act (ADA) of 1990, which guarantees individuals with disabilities equal opportunity in public accommodations, employment, transportation, government services, and telecommunications.

12. It is assumed that the use of the land and improvements is confined within the boundaries or property lines of the property described and that there is no encroachments or trespass unless noted in the report.

13. Information, estimates, and opinions furnished to the appraisers and contained in the report were obtained from sources considered reliable and believed to be true and correct. However, no responsibility for the accuracy of such items furnished the appraisers can be assumed by the appraisers.

14. The allocation of total value to land or buildings, as shown in this report is invalidated if used separately in conjunction with any other study.

15. Disclosure of the contents of this report is governed by the Bylaws and Regulations of the professional organizations with which the appraisers are affiliated.

16. Neither all, nor any part of the content of the study, or copy thereof (including conclusions as to the property value, the identity of the appraisers, professional appraisal organizations, or the firm with which the appraisers are connected), shall be used for the purpose by anyone but the client specified in the report, the mortgage or its successors and assigns, mortgage insurers, consultants, professional appraisal institution, any department, agency or instrumentality of the United States or any state or the District of Columbia, without the previous written consent of the appraisers; nor shall it be conveyed by anyone to the public through advertising, public relations, news, sales, or other media, without the written consent an approval of the appraisers.

17. On all studies, subject to satisfactory completions, repairs, or alterations, the report and value conclusion are contingent upon completion of the improvements in a workmanlike manner.

18. Unless otherwise stated in this report, the existence of hazardous material, which may or may not be present on the property, was not observed by the appraisers. The appraisers have no knowledge of the existence of such materials on or in the property. The appraisers, however, are not qualified to detect such substances.

The presence of substances such as asbestos, radon gas, urea-formaldehyde foam insulation, or other potentially hazardous materials may affect the value of the property. The value estimate is predicated on the assumption that there is no such material on or in the property that would cause a loss in value. No responsibility is assumed for any such conditions, or for any expertise or engineering knowledge required to discover them.

EXTRAORDINARY ASSUMPTIONS

An assignment-specific assumption as of the effective date regarding uncertain information used in an analysis which, if found to be false, could alter the appraisers' opinions or conclusions. [1]

1. We assume the subject is not encumbered by encroachments, easements or liens that would negatively impact the value of the property.

2. No environmental survey or Phase One audit was provided prior to the completion of this report. We assume there are no environmental issues or conditions that would negatively impact the value or utility of the subject.

3. This study is based on the completion of separating the 2.58 acre site from the existing larger parcel (32.89 acres) and constructing a 40,000 square foot Municipal Solid Waste Transfer Facility using acceptable labor/materials and in accordance with all applicable building/zoning codes. Improvements on the proposed site will be razed and removed.

HYPOTHETICAL CONDITIONS

A condition, directly related to a specific assignment, which is contrary to what is known by the appraisers to exist on the effective date of the assignment results, but is used for the purpose of analysis.[2] This study is subject to the following hypothetical conditions:

None

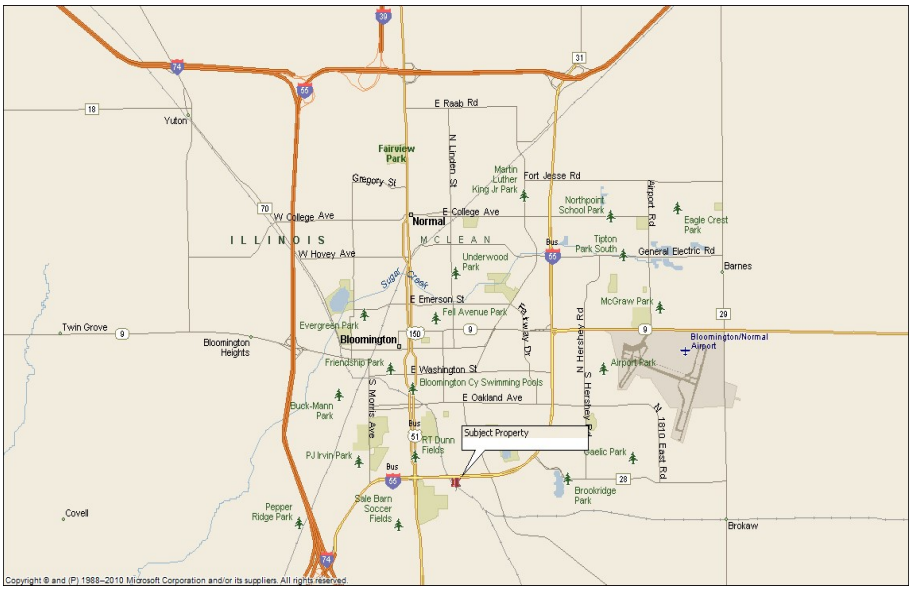
[1] Uniform Standards of Professional Appraisal Practice, 2020-2021 Edition, The Appraisal Foundation
[2] Uniform Standards of Professional Appraisal Practice, 2020-2021 Edition, The Appraisal Foundation

IDENTIFICATION OF THE PROPERTY

AND LEGAL DESCRIPTION

The property is legally described as follows:

A part of Lot 2 in Owner's Subdivision of part of the Northwest ¼ of Section 15, Township 23 North, Range 2 East of the Third Principal Meridian, McLean County, Illinois, more particularly described as follows: Commencing at the Northwest corner of Lot 2 in Owner's Subdivision of art of the Northwest ¼ of Section 15 according to the Plat thereof recorded in Plat Book 9 on Page 82; thence N.89º-29'-46"E. 499.39 feet on the North line of said Lot 2 to the Point of Beginning; thence continuing N.89º-29'-46"E. 250.00 feet on the North line of said Lot 2; thence S.00º-30'-14"E. 464.51 feet; thence S.87º-25'-14"W. 230.41 feet parallel with the South line of the Northwest ¼ of said Section 15; thence N.02º-53'-43"W. 473.26 feet parallel with the West line of the Northwest ¼ of said Section 15 to the Point of Beginning containing 2.58 acres, more or less, with assumed bearings given for description purposes only.



PURPOSE OF THE STUDY

The purpose of this property impact study is to determine if the proposed Municipal Solid Waste (MSW) Transfer Facility is located so as to minimize incompatibility with the character of the surrounding area and to analyze the effect on the value of the surrounding properties.

DEFINITION OF MARKET VALUE

Market Value is defined as: The most probable price, as of a specified date, in cash, or in terms equivalent to cash, or in other precisely revealed terms, for which the specified property rights should sell after reasonable exposure in a competitive market under all conditions requisite to a fair sale, the buyer and seller each acting prudently and knowledgeably, and for self-interest, and assuming that neither is under undue duress. Implicit in this definition is the consummation of a sale as of a specified date and the passing of title from seller to buyer under conditions whereby:

1. buyer and seller are typically motivated;
2. both parties are well informed or well advised, and each acting in what he or she considers his or her own best interest;
3. a reasonable time is allowed for exposure in the open market;
4. payment is made in terms of cash in U.S. dollars or in terms of financial arrangements comparable thereto; and
5. the price represents the normal consideration for the property sold unaffected by special or creative financing or sales concessions granted by anyone associated with the sale.[3]

[3] The Appraisal of Real Estate, 14th Edition, by The Appraisal Institute, 2013

INTENDED USE AND USER OF THIS STUDY

This study is intended to serve as a guide for the client, Mr. Rich Guerard of Guerard, Kalina & Butkus, 310 S. County Farm Road, Suite H, Wheaton, Illinois, for the purpose of analyzing if the proposed MSW Transfer Facility will have any impact on the value of surrounding properties. This study is not intended to be relied upon for any other use or by any other user.

SALES & LISTING HISTORY

There have been no recorded sales transactions and no known listings of the subject in the last three years.

DATE OF THE REPORT

The date of the value estimate of the subject property is February 11, 2020. The date of the appraisal report is March 12, 2020.

SCOPE OF WORK

Scope of Work refers to the type and extent of research and analyses in a property value impact study.

- The extent to which the property is identified;
- The extent to which tangible property is inspected;
- The type and extent of data researched; and
- The type and extent of analyses applied to arrive at opinions or conclusions.[4]

In developing the study, the appraisers made an inspection of the property on January 15, 2020, January 28, 2020 and February 11, 2020. This study is being completed for Mr. Rich Guerard of Guerard, Kalina & Butkus, 310 S. County Farm Road, Suite H, Wheaton, Illinois, for the purpose of analyzing if the proposed MSW Transfer Facility will have any impact on the value of surrounding properties. This study is not intended for any other use or user. For this study we have not been asked to value any specific property and we have not done so.

The analyses, opinions and conclusions were developed based on, and this report has been prepared in conformance with, my interpretation of the guidelines and recommendations set forth in the Uniform Standards and Professional Appraisal Practice (USPAP) and the requirements of the Code of Professional Ethics and Standards of Professional Appraisal Practice of the Appraisal Institute. The entire study process was reviewed and applied to this assignment.

This report is a recapitulation of the appraiser's analysis and conclusions.

Information was gathered regarding the subject property from the subject inspections. Additional inspections were made on the Waste Management MSW Transfer Facility in Springfield (February 7, 2020) and the Republic Services MSW Transfer Facility in Bloomington (February 4, 2020, February 14, 2020 and February 18, 2020). Other

[4] Uniform Standards of Professional Appraisal Practice, 2020-2021 Edition, The Appraisal Foundation

information on the subject property and comparable sales that were utilized in this study were obtained from the appraisers' files, the McLean and Sangamon County Treasurer's Offices, the McLean and Sangamon County Supervisor of Assessment, the McLean and Sangamon County Recorder of Deeds, the Bloomington, Capital and Woodside Township Assessor's Offices, the City of Bloomington, McLean County, City of Springfield and Sangamon County Zoning Offices, Multiple Listing Service, the Sidwell Company, McLean and Sangamon County GIS, land use and traffic studies, Google Earth, real estate brokers, other appraisers and other market participants. After all this information was gathered, confirmed and analyzed the Sales Comparison Approach was used in part to analyze the effect of the proposed Henson MSW Transfer Facility's impact on the value of the surrounding properties. This report is intended to comply with standard rule 2-2a.[5]

COMPETENCY PROVISION

David A. Park has more than 34 years of appraisal experience in the appraisal of residential, commercial, multiple family, agricultural land and industrial properties in central Illinois. I have met the educational requirements required for the Illinois State Certified Residential Appraisal License and the SRA designation of the Appraisal Institute. Additionally, I have completed or exceeded the required hours of continuing education for the Illinois Certified Residential Appraisal License and the SRA designation of the Appraisal Institute. This assignment is within the realm of my experience.

W. Bradley Park has more than 41 years of appraisal experience, involving the appraisal of residential, commercial, multiple-family, and industrial properties in Illinois. I have met the educational requirements required for the Illinois State Certified General Appraisal License and the MAI designation of the Appraisal Institute. Additionally, I have completed or exceeded the required hours of continuing education for the Illinois Certified General Appraisal License and the MAI designation of the Appraisal Institute. This assignment is within the realm of my experience.

[5] Uniform Standards of Professional Appraisal Practice, 2020-2021 Edition, The Appraisal Foundation

AREA ANALYSIS

Geographic Location: The City of Bloomington is located in Central Illinois, between Chicago, Illinois and St. Louis, Missouri, on a north-south axis and between Peoria, Illinois and Champaign, Illinois, on and east-west axis. Chicago is 129 miles to the northeast and St. Louis is 150 miles to the southwest. Peoria is 40 miles to the west and Champaign is 50 miles to the east.

The Town of Normal, Illinois is located directly north of Bloomington, with the towns being divided by Division Street which extends east and west form the corporate limits on the west to Clinton Boulevard, and then a line is extended eastward, dividing the two municipalities.

Population: The following population figures are broken down between Bloomington and Normal. The numbers used are provided by the Bloomington City Hall and Normal City Hall and the U.S. Census Bureau.

BLOOMINGTON Population		NORMAL Population	
1997	58,946	**1997**	44,275
1998	59,702	**1998**	44,919
1999	60,872	**1999**	44,919
2000	64,808	**2000**	45,386
2001	66,132	**2001**	46,053
2002	67,417	**2002**	47,078
2003	68,507	**2003**	48,649
2004	64,800	**2004**	45,368
2005	69,749	**2005**	50,485
2006	74,975	**2006**	50,519
2007	72,416	**2007**	51,716
2008	73,026	**2008**	52,056
2009	74,184	**2009**	52,799
2010	76,610	**2010**	52,497
2011	77,071	**2011**	52,772
2012	77,733	**2012**	53,837
2013	78,902	**2013**	54,664
2014	77,733	**2014**	53,837
2015	78,730	**2015**	54,594
2016	78,005	**2016**	54,264
2017	77,934	**2017**	54,284

The total population in 2015 for McLean County was 172,290 people with a total population of Bloomington-Normal being 132,218, indicating that the Bloomington-Normal area comprises approximately 76.7% of the total county population. Illinois State University reported enrollment of 18,330 students in 2017, which is part of the population of Normal, and Illinois Wesleyan University reports enrollment of 1,649 students, which is included in the population figures for Bloomington. Heartland Community College is located in Normal and Lincoln Community College is located in Normal.

Economic:

Employment: The following is a current list of employers and an approximate count of employees (Source: Individual Companies)

1.	State Farm Insurance Companies	14,731
2.	Illinois State University	3,281
3.	COUNTRY Financial	1,972
4.	Unit 5 Schools	1,761
5.	Advocate BroMenn Medical Center	1,305
6.	OSF-St. Joseph Medical Center	860
7.	McLean County	835
8.	Afni, Inc.	830
9.	District 87 Schools	680
10.	City of Bloomington	679
11.	Illinois Wesleyan University	508
12.	Heartland Community College	488
13.	Heritage Enterprises	482
14.	Bridgestone/Firestone Off-Road Tire Co.	393
15.	Town of Normal	373
16.	GROWMARK, Inc.	362
17.	Illinois Farm Bureau	350
18.	The Snyder Companies	312
19.	Nestle USA	290
20.	Heartland Bank & Trust	160

State Farm Insurance Company had numerous non-employee contractors, which have left the community.

Mitsubishi Motor Manufacturing closed its plant at the end of November 2015. The plant was purchased by Rivian Automotive. The company plans to build electric trucks and SUVs and employ approximately 1,000 workers. Additional investments have been made by Ford Motor Company, T. Rowe Price Associates Inc. and Amazon. The plant is currently gearing up for production and will also manufacture vehicles for Ford Motor Company.

The following is a breakdown by employment categories for Bloomington-Normal indicating the employees estimated as of 2012 (Source: Bloomington-Normal Demographic Profile.)

	2014	2015	2016	2017
Total Nonfarm	94,600	95,200	94,700	94,500
Mining Logging & Construction	2,700	2,800	2,900	3,100
Manufacturing	4,900	4,600	3,800	3,200
Transportation & Utilities	3,200	3,100	3,100	3,200
Retail Trade	9,400	9,400	9,300	9,300
Wholesale Trade	2,600	2,600	2,300	2,200
Information	700	800	800	800
Financial Activities	12,300	12,900	16,700	20,100
Professional/Business Services	17,300	15,800	13,400	9,800
Educational/Health Services	10,700	10,700	11,200	11,600
Leisure & Hospitality	11,100	10,600	11,000	11,300
Other Services	3,800	3,700	3,700	3,700
Government	16,000	16,100	16,200	16,200

One economic indicator is the Multiple Listing Service sales record form the Bloomington-Normal Association of Realtors. Following is data showing the number of home sales in Bloomington-Normal along with the average sale price.

MULTIPLE LISTING SERVICE SALES		
Year	**Number of Sales**	**Average Sales Price**
2018	2,898	$175,915
2017	2,869	$175,030
2016	2,940	$171,047
2015	2,827	$170,463
2014	2,632	$169,318
2013	2,812	$173,539
2012	2,459	$171,991
2011	2,048	$169,714
2010	2,052	$176,909
2009	2,272	$166,533
2008	2,253	$177,194
2007	2,663	$171,859

Transportation: The principal highways that serve the communities are Interstate Route 55 (north-south), Interstate Route 74 (east-west), Illinois Route 9 (east-west), Interstate Route 39 (north-south) and Route 150 (east-west). Business Loop 55, also known as Veterans parkway, encircles the two towns on the east side and connects with Interstate 55 and 74 on the northeast section, and again with the same routes at the southwest section, with the Interstate Route bypassing the town on the west and the Business Loop 55/Veterans Parkway encircling the town on the east.

The result is that Bloomington-Normal is completely encircled with four-lane and six-lane highways. This provides access to all arterial and secondary arterial streets in the two municipalities. It also provides access to the Illinois State Routes and U.S. routes along with the county and township roads that intersect either the interstate routes or Veterans Parkway with easy access to any part of the city without going through the congested parts of the downtown and other business areas.

The Bloomington-Normal Airport is located along Illinois Route 9 also known as an extension of Empire Street, east of the city. It is adjacent to the corporate limits on the east. A terminal building provides service for air traffic in and out of the local area. There are several hangars that provide accommodations for both private and commercially owned aircraft and corporations in the community. Passenger service is provided on a regular basis seven days a week.

Passenger rail service is provided by Amtrak to and from Chicago and St. Louis. The passenger depot is located Normal. Freight service is provided by Union Pacific and Norfolk Southern.

On a local basis, the Bloomington-Normal Transit Authority provides bus service to both Bloomington and Normal inside the corporate limits on an hourly basis with service offered more often during higher traffic hours, covering the entire area of Bloomington and Normal on all major streets.

Education: There are two separate school systems in Bloomington/Normal. District #87 serves students living in most of the city of Bloomington. Unit #5 serves students living within the Town of Normal as well as students in rural areas immediately surrounding Bloomington/Normal. Unit #5 has increased its student population because much of the adjacent agricultural land has been annexed and developed, so in many cases Bloomington residents also attend Unit #5 schools.

There are also two universities and two Junior Colleges located Bloomington/Normal. Illinois State University is located in Normal, while Illinois Wesleyan University is located in Bloomington. Heartland Community College is located in Normal and Lincoln Community College is located in Normal.

Private Transportation: The area has privately owned taxicab service operating on a 24 hour per day, 7-day per week basis. In addition, there are intrastate truck firms and interstate trucking firms all located within the corporate limits or a 10-mile radius of Bloomington-Normal.

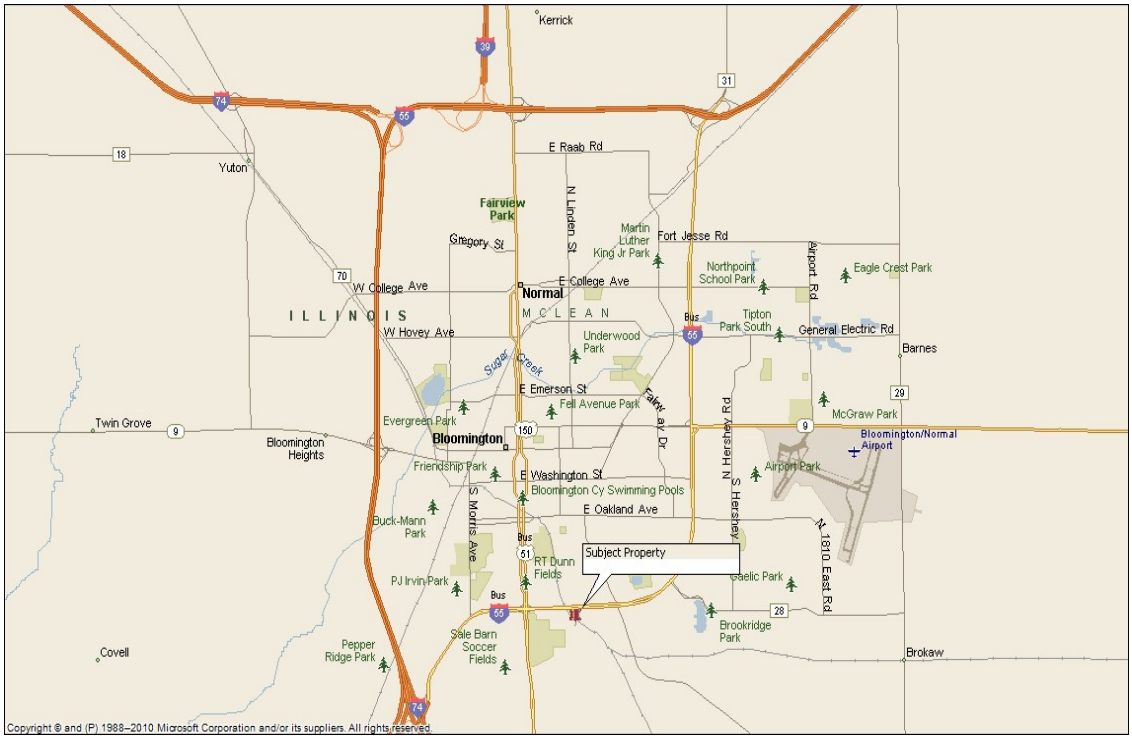
Recreation: The Bloomington-Normal area offers many parks and recreational facilities. According to the Bloomington Parks and Recreation Department there are a total of 39 parks in the City of Bloomington. The largest of these parks is Miller Park, which includes a zoo and lake. The Town of Normal Parks and Recreation Department reports a total of 13 parks, the largest of which is Fairview Family Aquatic Center, which includes baseball fields, tennis courts, a public pool and water slide. In addition

to parks, Bloomington-Normal boasts numerous entertainment venues including US Cellular Coliseum, Braden Auditorium and Redbird Arena at ISU, the Bloomington Cultural District and the Bloomington Center for the Performing Arts. The linear park running throughout both communities is Constitution Trail, which is used for non-motorized (i.e. walking, cycling, etc.) recreation. There are also a number of public and private golf courses throughout both communities. McLean County operates 2 regional parks; one located at Lake Bloomington and the second is Comlara Park at Evergreen Lake. Both lakes offer boating, fishing and other water-oriented activities, along with homes sites at Lake Bloomington. Moraine View State park is also located within McLean County. Many smaller communities within the county also offer their own town parks or recreational areas.

Government and Amenities: The business for the City of Bloomington is administered by a Mayor-Council form of government with a professional City Manager as the administrator. Bloomington has a Ward system of government. The Town of Normal has a Council/Manager form of government. The Council is made up of seven members including the mayor and six council members. The Mayor and Council are elected at large in nonpartisan elections. Normal employs a professional City Manager who implements the decisions of the Council.

Demographic Profile: In the recent years the area has experienced over one billion dollars of commercial and industrial investment with many areas still available for growth. The Bloomington-Normal/McLean County Enterprise Zone offers available sites and a wide range of incentives. The twin-cities and surrounding area also offer an outstanding selection of locations for new business growth.

Conclusion: In conclusion, there is easy access to the downtown business district along with access to all major shopping centers and employment centers in the community. The forces that have influence on the economic base appear to have a positive influence on the subject area.



NEIGHBORHOOD ANALYSIS

A neighborhood is a group of complementary land uses. A residential neighborhood, for example, may contain single-family homes and commercial properties that provide services for local residents. A clear distinction can be drawn between a neighborhood and a district. *A district has one predominant land use.* Districts are commonly composed of apartments, commercial, industrial, or agricultural properties.[6]

The subject property is located in the southeast quadrant of Bloomington and the neighborhood is bounded on the south by Woodrig Road, on the north by Lafayette Street, on the west by Main Street, and on the east by U.S. 150. The general area has several property uses and several areas (including subject) that are located in county jurisdictions, while most areas are located within the City of Bloomington. It should be noted that any land use changes would fall under the rule that would require both County and City approval. Two large mobile home parks make up a majority of the western portion of the neighborhood along with the State Farm Employee Park. These are all located east of Bunn Street. There are several commercial uses along Bunn Street including an auto parts business, a plumbing supply company, warehousing, and scattered residential uses. A construction materials recycle facility, concrete batch plant, and pet rescue kennel are the subject uses.

The neighborhood has experienced minimal change since the economic downturn. Hamilton Road was extended from Main Street to Bunn Street with improvements including concrete curb/gutter, sidewalks, etc. Hamilton Road, east of Bunn Street, has not been improved to date. To the east is Commerce Park Business Development and has been improved with a new concrete street, curb/gutter, etc.

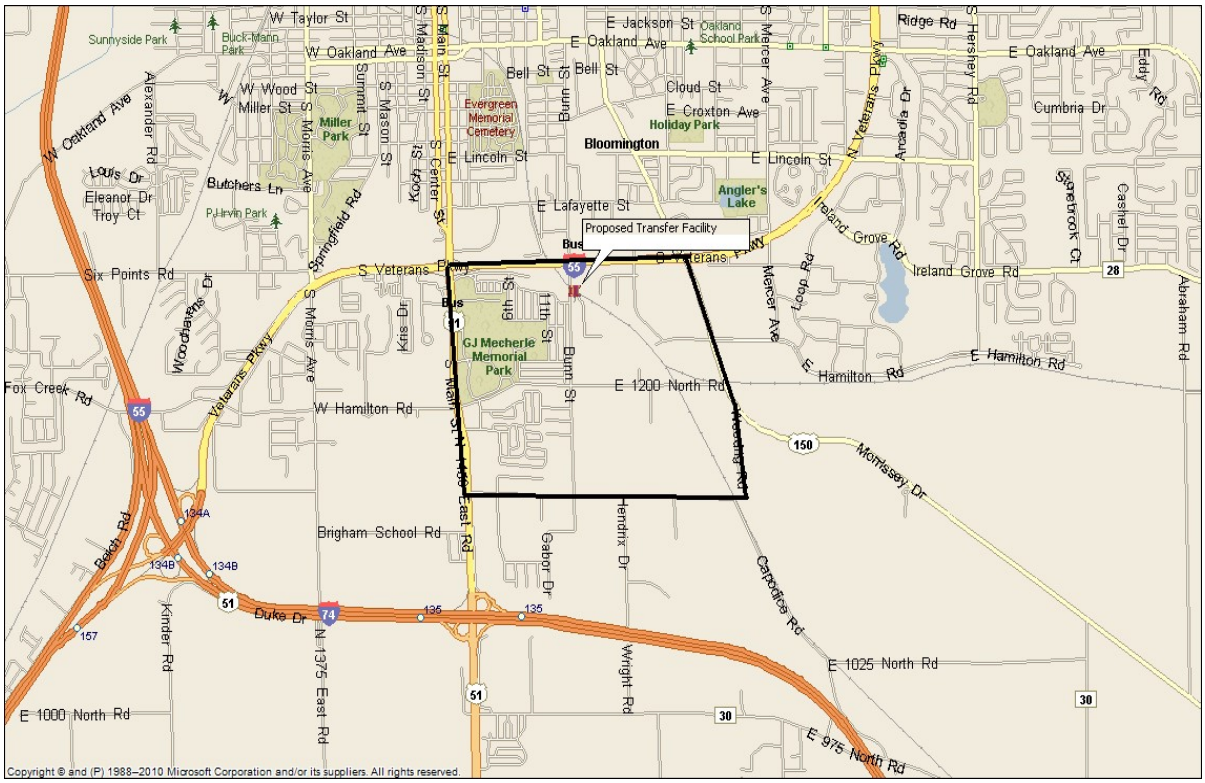
[6] The Appraisal of Real Estate, 14th Edition, by The Appraisal Institute, 2013

This road extends across Route 150 through the State Farm South Campus. The delay in improving Hamilton Road between Bunn Street and Commerce Park is due to approval of crossing the railroad tracks near the subject property. According to the City of Bloomington, this approval is shortcoming, but has indicated this is for many years. At that time, the improved Hamilton Road will connect and extend from Main Street to Hershey Road in east Bloomington. A new intersection at Veteran's Parkway near Fox Creek Road and street extensions along the new Hamilton Road are complete. When the railroad crossing is complete there will be roadways from the east to west city limits, greatly enhancing accessibility in south Bloomington.

Property uses to the east (Commerce Park Subdivision) has a number of commercial uses, including an auto dealership, restaurants, retail, service, office, and warehousing uses. Other property uses to the east include the State Farm South Campus, which has been a major traffic generator to this area. Property uses further to the south are typically agricultural in nature. Property uses to the west of the neighborhood are typically agricultural or residential in nature, however, there are several recreational properties including Prairie Vista Golf Course.

The life of a neighborhood usually involves the following stages varying in intensity and duration; development and growth, stability, transition and decline. This pattern may be followed by renewal or rehabilitation at which point the cycle is repeated. It is my judgment that the neighborhood is in a stable life stage.

NEIGHBORHOOD MAP



PHOTOS TAKEN BY
DAVID A. PARK, SRA

Street Scene, Bunn Street, Camera Facing South

Street Scene, Bunn Street, Camera Facing North

PHOTOS TAKEN BY
DAVID A. PARK, SRA

Entrance to Proposed Facility

Concrete Plant Located on Existing Larger Parcel

PHOTOS TAKEN BY
DAVID A. PARK, SRA

Construction & Demolition Recycling Facility on Existing Larger Parcel

Hilltop Mobile Home Park from Proposed Entrance

PHOTOS TAKEN BY
DAVID A. PARK, SRA

Hilltop Mobile Home Park Eastern Most Street

Street Scene, Bunn Street, Camera Facing North

PHOTOS TAKEN BY
DAVID A. PARK, SRA

Street Scene, Hamilton Road, Camera Facing East

Street Scene, Hamilton Road, Camera Facing West

PHOTOS TAKEN BY
DAVID A. PARK, SRA

Commercial Property along Commerce Parkway

Commercial Property along Commerce Parkway

PHOTOS TAKEN BY
DAVID A. PARK, SRA

Commercial Property along Commerce Parkway

Commercial Property along Commerce Parkway

PHOTOS TAKEN BY
DAVID A. PARK, SRA

Commercial Property along Commerce Parkway

Commercial Property along Commerce Parkway

PHOTOS TAKEN BY
DAVID A. PARK, SRA

Commercial Property along Commerce Parkway

Commercial Property along Currency Drive

Commercial Property along Currency Drive

Commercial Property along Currency Drive

Commercial Property along Currency Drive

Apartments along Currency Drive

HENSON AREA MAP

This map illustrates the area around the proposed MSW Transfer Facility.

AREA AROUND PROPOSED MSW TRANSFER FACILITY

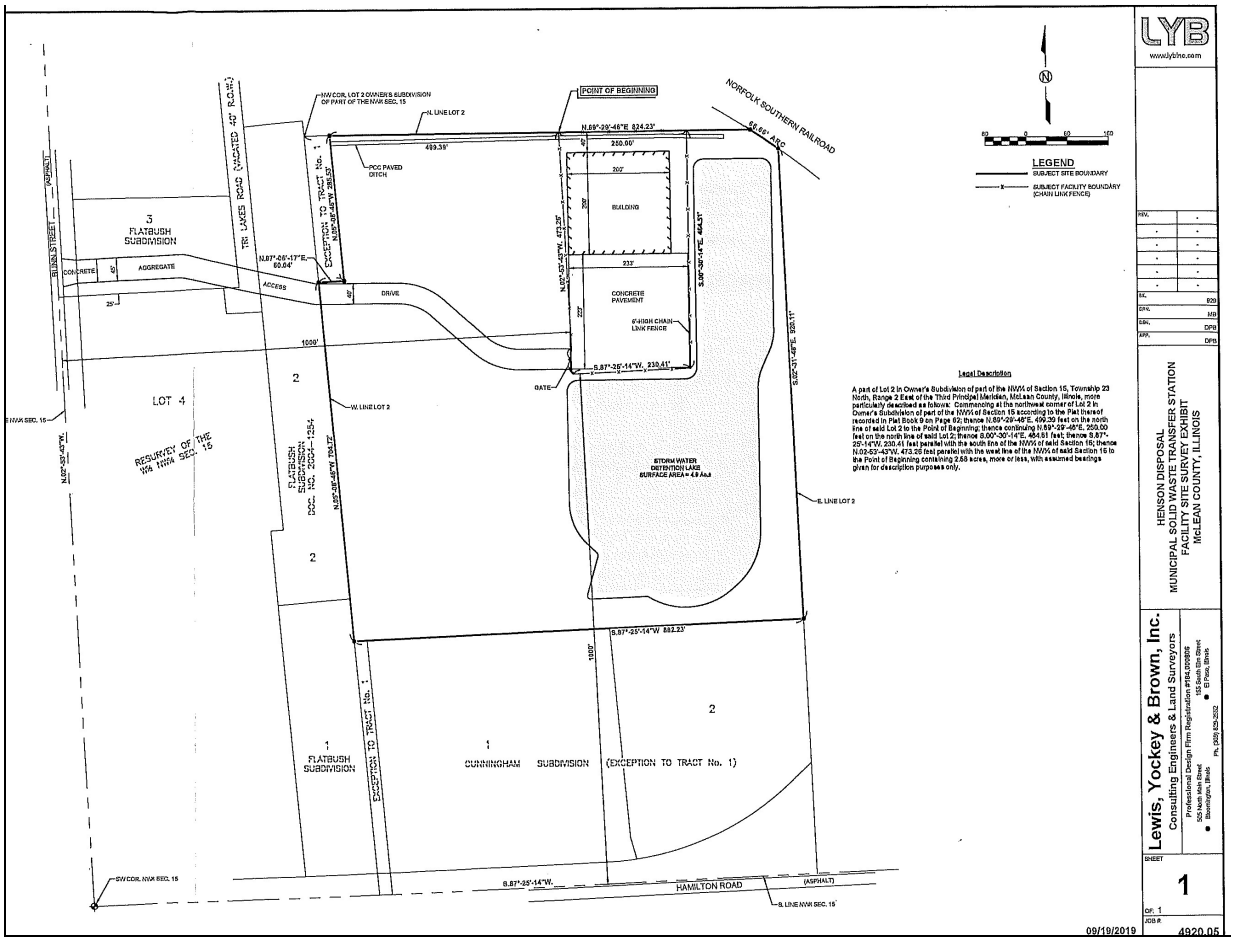
The land use east of Bunn Street, south and west of the Railroad Right of Way and north of Hamilton Road is primarily industrial in nature. There are a few residential properties along Hamilton Road.

North and east of the Railroad Right of Way is Commerce Park Subdivision, which contains a variety of commercial uses. Properties in closest proximity consist of offices, flex spaces, warehouses, service uses, stand alone and multiple tenant retail.

SITE ANALYSIS:

Location:	2020 Bunn Street, Bloomington
Site Dimensions:	See Plat
Site Area:	2.58 Acres
Street Paving:	Asphalt
Curb/Gutter:	None
Sidewalks:	None
Water:	City*
Sewer:	Private
Natural Gas:	LP
Electricity:	Ameren
Street Lights:	None
Topography:	Generally Level
Shape:	Irregular
Land to Building Ratio:	2.81:1
Access:	From Bunn Street by Easement
Drainage:	Appears Adequate
Easements/Encroachments:	There is an electrical highline easement that crosses over the road entrance to the site. The access road to the site is an ingress/egress easement for the benefit of the proposed Henson MSW Transfer Facility. No other adverse easements, encroachments or conditions were noted.
Site Improvements:	Proposed site improvements include a 223' x 233' concrete pad and 6' chain link fence around the entire site.
Comments:	The proposed site and facility are located in the northeast part of the existing larger parcel. *Public Water is available to be extended to the site.

PLAT


POINT OF BEGINNING
NORFOLK SOUTHERN RAILROAD
56.65' ARC
N.89°-29'-46"E. 824.23'
499.39'
250.00'
POC PAVED DITCH
BUILDING
CONCRETE PAVEMENT
6'-HIGH CHAIN-LINK FENCE
GATE
DRIVE
ACCESS
AGGREGATE
CONCRETE
ASPHALT
3 FLATBUSH SUBDIVISION
TRI LAKES ROAD (VACATED 45' R.O.W.)
ELLIS STREET
EXCEPTION TO TRACT No. 1
LOT 4
RESURVEY OF THE W½ NW¼ SEC. 15
FLATBUSH SUBDIVISION DOC. NO. 2004-1254
CUNNINGHAM SUBDIVISION (EXCEPTION TO TRACT No. 1)
STORM WATER DETENTION LAKE SURFACE AREA = 4.9 Aa.
W. LINE LOT 2
E. LINE LOT 2
S. LINE NW¼ SEC. 15
HAMILTON ROAD
(ASPHALT)
S.87°-25'-14"W. 882.23'
S.87°-25'-14"W. 230.41'
LEGEND
SUBJECT SITE BOUNDARY
SUBJECT FACILITY BOUNDARY (CHAIN LINK FENCE)
Legal Description
A part of Lot 2 in Owner's Subdivision of part of the NW¼ of Section 15, Township 23 North, Range 2 East of the Third Principal Meridian, McLean County, Illinois, more particularly described as follows: Commencing at the northwest corner of Lot 2 in Owner's Subdivision of part of the NW¼ of Section 15 according to the Plat there of recorded in Plat Book 9 on Page 82; thence N.89°-29'-46"E. 499.39 feet on the north line of said Lot 2 to the Point of Beginning; thence continuing N.89°-29'-46"E. 250.00 feet on the north line of said Lot 2; thence S.00°-30'-14"E. 464.61 feet; thence S.87°-25'-14"W. 230.41 feet parallel with the south line of the NW¼ of said Section 15; thence N.02-53'-43"W. 473.26 feet parallel with the west line of the NW¼ of said Section 15 to the Point of Beginning containing 2.58 acres, more or less, with assumed bearings given for description purposes only.
LYB
www.lybinc.com
HENSON DISPOSAL
MUNICIPAL SOLID WASTE TRANSFER STATION
FACILITY SITE SURVEY EXHIBIT
McLEAN COUNTY, ILLINOIS
Lewis, Yockey & Brown, Inc.
Consulting Engineers & Land Surveyors
Professional Design Firm Registration #184.005808
526 North Main Street • Bloomington, Illinois
155 South Elm Street • El Paso, Illinois
Ph. (309) 829-2032
SHEET 1 OF 1
JOB #: 4920.05
09/19/2019

AERIAL VIEW

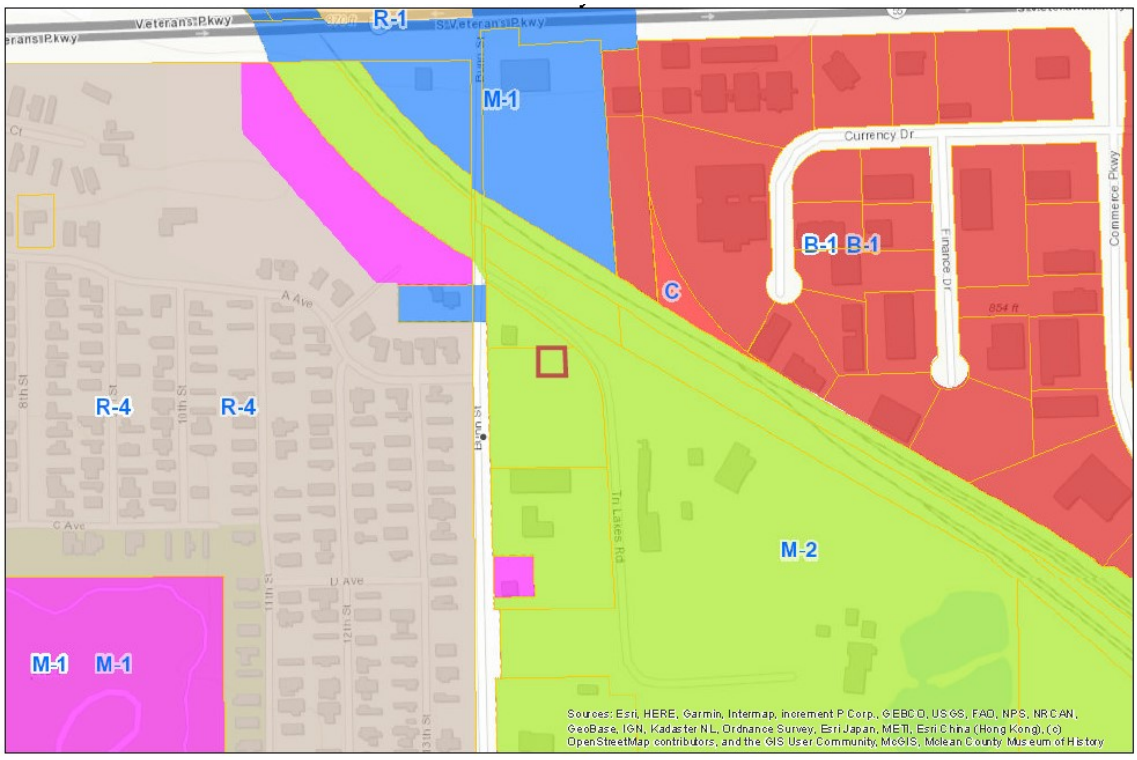
E Hamilton
E 1200 North Rd
E 1200 North
Trilkes Rd
11th St
12th St
13th St
Avenue G
28th St
HENSON DISPOSAL
MSW TRANSFER FACILITY
McLEAN COUNTY, ILLINOIS
LAND USE COMPATIBILITY EXHIBIT
Lewis, Yockey & Brown, Inc.
Consulting Engineers & Land Surveyors
1
4920.05

ZONING DATA

Zoning is defined as: The public regulation of the use of private land through application of police power; accomplished by establishing districts or area with uniform requirements relating to lot coverage, setbacks, type of improvement, permitted activities, signage, structure height, minimum lot area, density, landscaping, and other aspects of land use and development. Zoning regulations are established by enactment of a local (city, town, or county) zoning ordinance.[7] According to the latest McLean County GIS zoning map, the entire parcel is zoned M-2, General Manufacturing District in the McLean County jurisdiction. The present use of the subject conforms to the zoning classification.

M-2 General Manufacturing District

Intent: The General manufacturing District is intended for the purpose of allowing basic or primary industries which are generally not compatible with residential and/or commercial activity. Certain extremely obnoxious or hazardous uses will require special permission to locate in this district.



[7] The Dictionary of Real Estate Appraisal, 6th Edition, Copyright by the Appraisal Institute 2015

ASSESSMENT AND TAXES

The subject property is on the Bloomington Township tax rolls and is identified as part of Permanent Parcel No. 21-15-152-010. The Illinois state statute requires all parcels be assessed at 1/3 market value after equalization by the county board or at township level. Each township assessor is responsible for assessing the parcels in their township. In order to stabilize assessment at 1/3 market value throughout the county, each township received a township multiplier. The multiplier is determined by the board of review and is multiplied times the assessed value to arrive at an equalized assessed value.

The subject property is currently part of a larger parcel; therefore there is no assessment for the subject parcel. The 2018 assessed value for the larger parcel that includes the subject property is as follows:

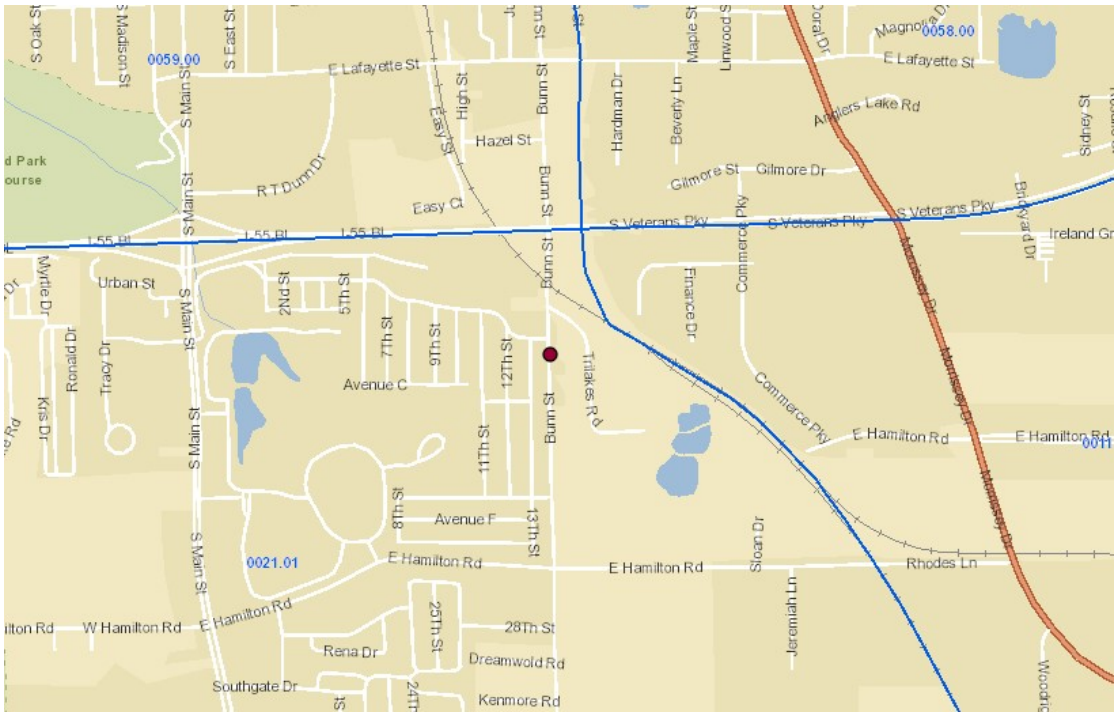
Land	$165,518
Improvements	$168,416
Total	$333,934

The tax rate for the district in which the subject is located is 7.983580 per $100 of assessed valuation. This indicates a total tax bill of $26,659.90 for the entire larger parcel. The subject parcel does not currently have a separate tax bill.

CENSUS TRACT DATA

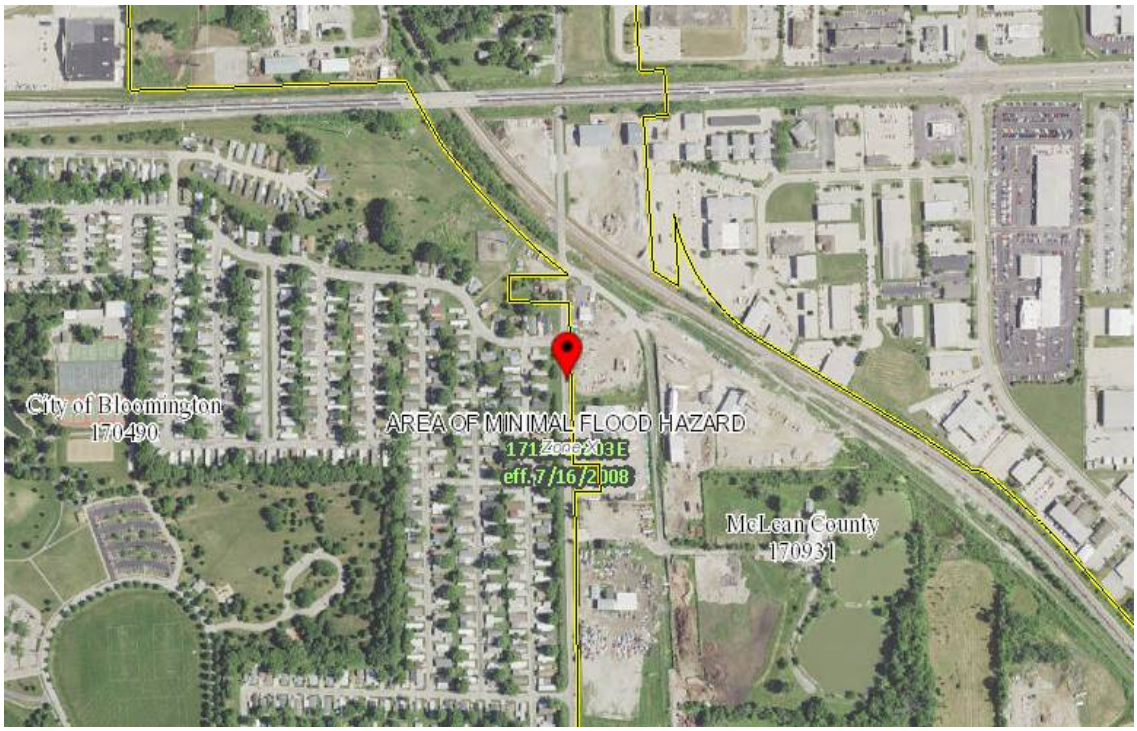
According to Census Tract data on file for the Bloomington/Normal MSA 14060, the subject is a part of Census Tract 21.01.

MSA CODE	STATE CODE	COUNTY CODE	TRACT #
14060	17	113	21.01



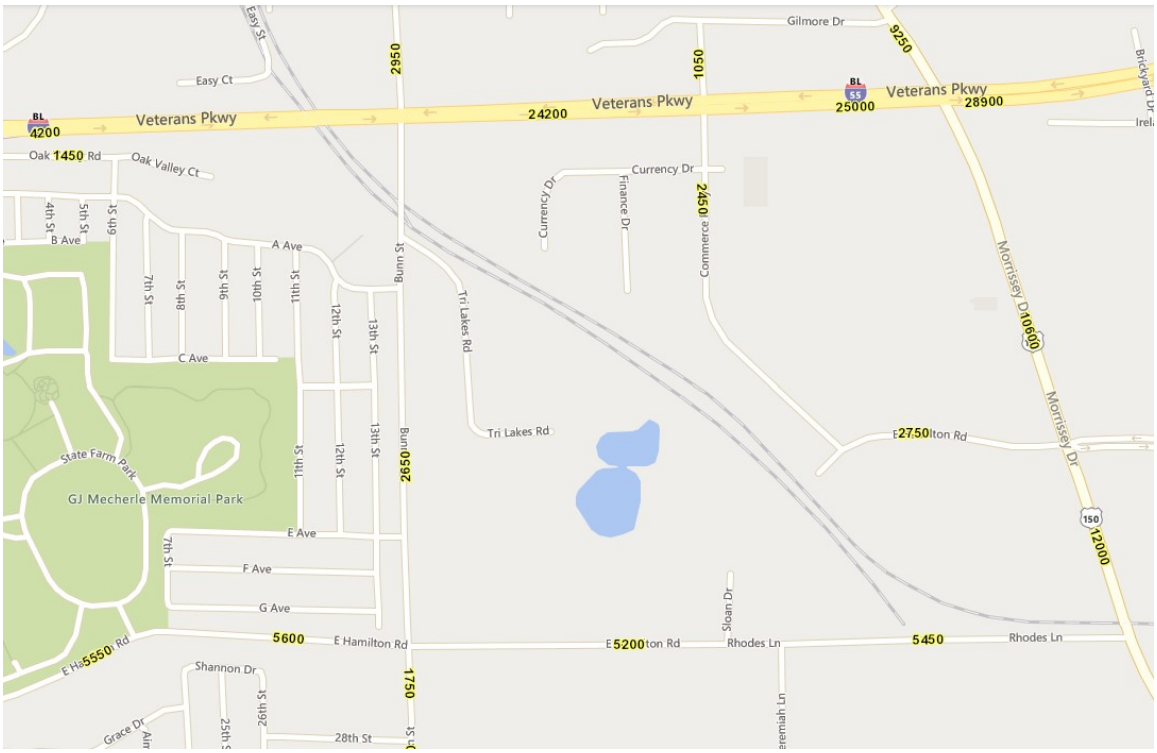
FLOOD HAZARD DATA

According to the Flood Insurance Rate Map, published by the National Flood Insurance Program of the Federal Emergency Management Agency (FEMA), for McLean County, Illinois, Community Map Panel No. 17113C0503E, effective date July 16, 2008, the subject property is in Zone "X", areas determined to be outside the 0.2% annual chance floodplain.



TRAFFIC COUNT

According to the most recent traffic volume map prepared by the Illinois Department of Transportation, the traffic count near the subject property on Bunn Street was 2,650 vehicles per day in 2015. The traffic count north of the subject property on Veterans Parkway was 24,200 vehicles per day in 2017. The traffic count south of the subject property on Hamilton Road was 5,200 vehicles per day in 2015 and east of the subject property on Morrissey Drive the traffic count was 12,000 vehicles per day in 2017.



PERSONAL PROPERTY DATA

Personal Property is defined as "any tangible or intangible article that is subject to ownership and not classified as real property, including identifiable tangible objects that are considered by the general public as being "personal" such as furnishings, artwork, antiques, gems and jewelry, collectibles, machinery and equipment; and intangible property that is created and stored electronically such as plans for installation art, choreography, emails, or designs for digital tokens."[8] There are no items of personal property included in this study.

DESCRIPTION OF THE IMPROVEMENTS

The proposed facility is a 40,000 square foot MSW Transfer Facility. The steel clear span building is 200' x 200' and has site improvements which include a large (±52,000 square foot) concrete staging area and enclosed with a 6' chain link fence.

An existing structure(s) will be removed for the proposed improvements. This study was based on the completion of the MSW Transfer Facility using acceptable labor/materials and in accordance with all applicable building/zoning codes.

[8] Uniform Standards of Professional Appraisal Practice, 2020-2021 Edition, The Appraisal Foundation

METHODOLOGY

The first step was to identify MSW Transfer Facilities. Six downstate/central Illinois facilities were identified. With each facility, similar traits were sought out; this included community traits as well as immediate neighborhood make-up and areas which have market data available.

The MSW Transfer Facilities identified were:

1. Republic Services Bloomington Facility; 2117 W. Washington St, Bloomington
2. Wigland Transfer Station (Area); Rt 29, Chillicothe, Illinois
3. Waste Management Waste Transfer Station; 3000 E. Ash St, Springfield, Illinois
4. Area Disposal; 2263 State Highway 104, Jacksonville, Illinois
5. Tazewell Transfer Station (Waste Management); 3550 E. Washington St, East Peoria, Illinois
6. Central Waste Services & Recycling Facility (Republic Services); 915 W Saline, Urbana, Illinois

It was determined that the Waste Management Springfield facility has a significant number of nearby commercial properties and that the Republic Services Bloomington facility has nearby residential use. Both of these facilities were selected for a more detailed analysis in this report.

A qualitative method was used on transactions to estimate any (if any) effect on the value impact of surrounding properties. Additional information was obtained with interviews with property owners, tenants, neighbors and other market participants.

Waste Management Springfield Municipal Solid Waste Transfer Facility

The Waste Management Springfield Municipal Solid Waste Transfer Facility is located at 3000 E. Ash Street, Springfield, Illinois. The 9.30 acre site is situated in Woodside Township and is adjacent to the City of Springfield corporate limits. The property is in the south and eastern edge of Springfield. The area in general is bordered by Interstate 55 to the east, Stanford Avenue to the south, Taylor Avenue to the west and Ash Street and the extension of to the north. The Waste Management Springfield Municipal Solid Waste Transfer Facility is located in the northeast part of the described area.

Waste Management Springfield Municipal Solid Waste Transfer Facility

The age of the Waste Management building is unknown. The property tax record card did not have a year built. The Google Earth images for the area go back to April 1994 at which time the Waste Transfer building was on the site. The property consists of five tax parcels. Waste Management purchased three of the parcels in 1995. The 1.27 and 2.31 acre parcels are still listed as owned by Bearcat, Inc. A letter dated June 8, 1999 directs the Sangamon County Assessor's

Office to send tax bills for all the parcels to the Waste Management office in Chicago, Illinois. This indicates the property has operated as a Waste Management Municipal Solid Waste Transfer Facility for approximately the last 20 years; however, it appears the facility has operated as a Transfer Station for considerably longer. Google Earth images indicate that a newer building on the 4.60 acre tract was added sometime between 1999 and 2005. The site is zoned I-2, General Industrial within the Sangamon County jurisdiction.

The facility's access is from E. Ash Street which has good access to Dirksen Parkway and then to Interstate 55 and Interstate 72. Properties in the area were analyzed to determine if the Waste Management Springfield Municipal Solid Waste Transfer Facility has an impact on the surroundings properties.

Neighborhood Map

The land use in the surrounding area of the Transfer Facility includes a variety of commercial uses and single family residential properties. Commercial uses include offices, auto service, contractor office/shops, retail and other service uses. These are primarily to the east of the facility. There are a few single family residence properties to the west. To the south of the facility is undeveloped land.

Outlined Tax Parcel

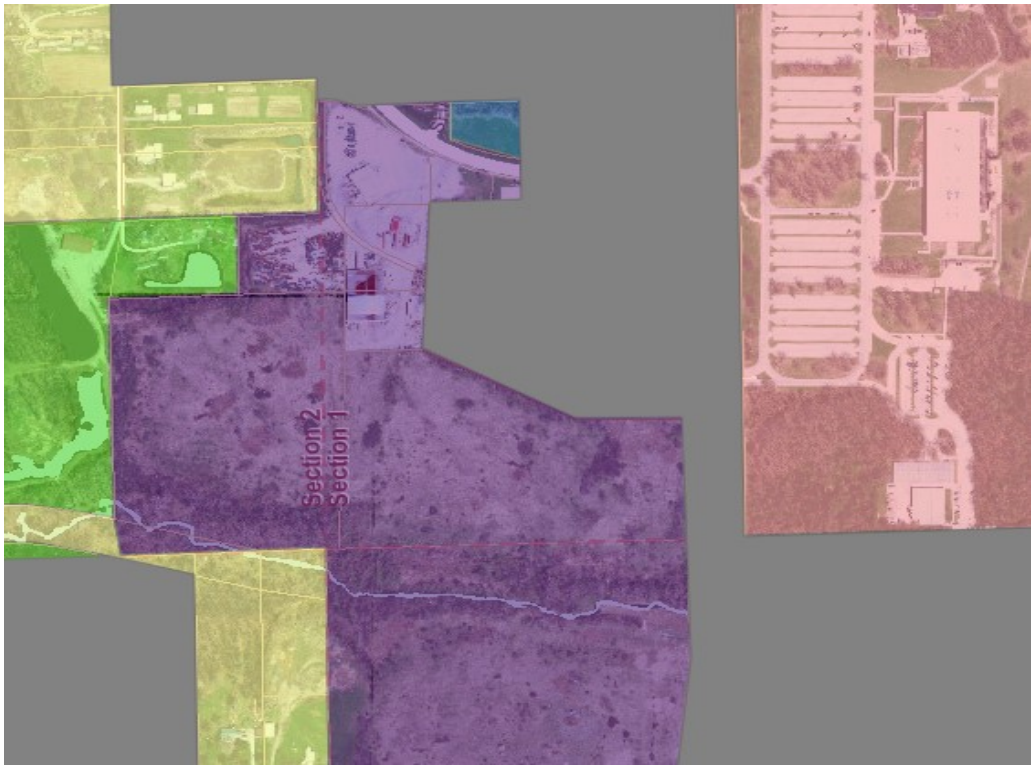
Google Earth Image 1995

Google Earth Image 2005

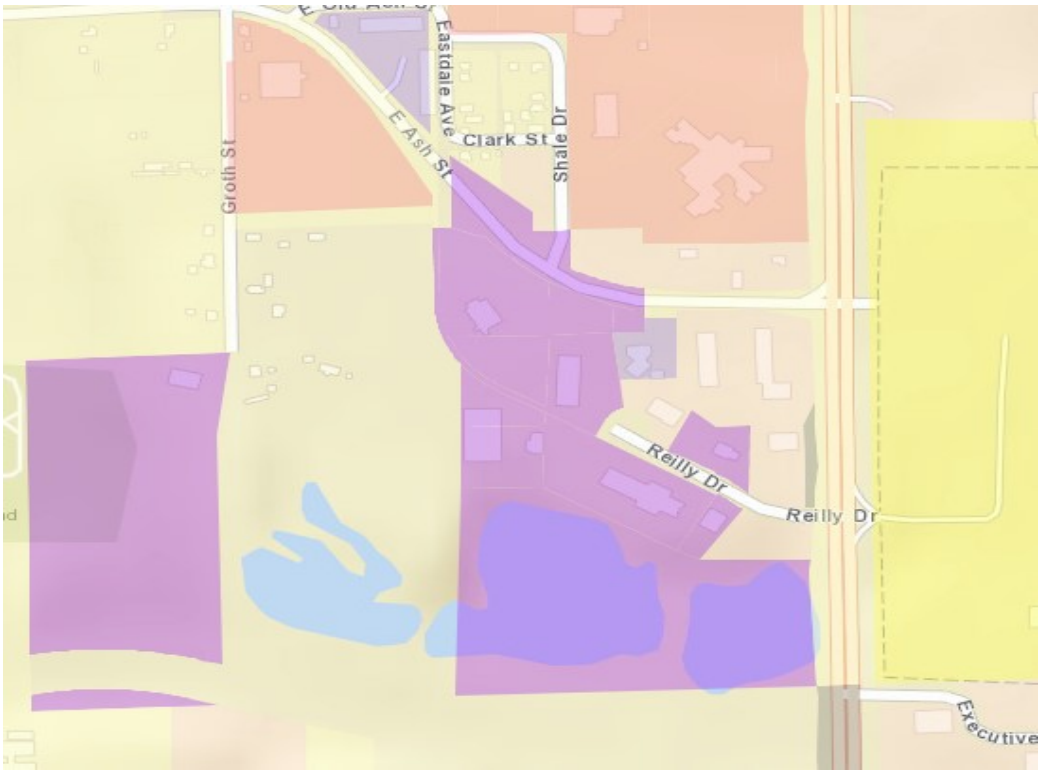
Google Earth Image 2009

Google Earth Image 2020

To the northeast is the Sangamon County Juvenile Detention Center which was constructed in 2000. North of the detention center is a developing industrial business park. To the east of Dirksen Parkway is the Illinois Department of Transportation (IDOT) building. Further south at the I-55/I-72 and Stevenson Interchange are restaurants, hotels, etc.



Sangamon County Zoning Map



City of Springfield Zoning Map

The properties to the west, which lie along the west side of Dirksen Parkway and between E. Ash Street and Reilly Drive were redeveloped between 2008-2014. All of these properties are in close proximity of the Waste Management Municipal Solid Waste Transfer Facility.

The following properties were included in this analysis:

Analysis of 3001 Reilly Drive, Springfield

This property is an office building with finished warehouse/shop space. The property is on a 1.77 acre or 77,101 square foot site that is zoned I-2, Heavy Industrial District within the City of Springfield. The original building was built in 1993 and was 11,624 square feet and sold in January 2013 for $600,000 or $51.62 per square foot (Document No. 2013R02133). The current owner made considerable improvements after the purchase including a 2,016 square foot addition.

The property backs and is adjacent to the Waste Management Springfield Transfer Facility. Five sales were analyzed to indicate if the 2013 sale of the property was in range of the market.

Comp No.	Location	Sale Date	Sale Price	Size (Sq Ft)	Sale Price/ Sq Ft
1	3117 S Douglas Ave, Springfield	02/11	$495,000	10,800	$45.83
2	2963 Stanton St, Springfield	03/13	$400,000	9,800	$40.82
3	4765 Industrial Dr, Springfield	10/13	$255,000	11,144	$22.88
4	3171 Greenhead Dr, Springfield	03/14	$625,000	9,250	$67.57
5	1608 South 5th St, Springfield	10/16	$525,000	7,820	$67.14

All of the sales are a considerable distance from the Municipal Solid Waste Transfer Facility. Comparable Sale No 1 is located in southwest Springfield and has a larger percentage of warehouse. Comparable Sale No 2 is located nearby to the southwest. The slightly older building also has office, storage and warehouse. Comparable Sale No 3 is located to the south and has considerably less finished office area. The older building is of lower quality. Comparable Sale No 4 is located in an office park to the west. There is a small warehouse area. Comparable Sale No 5 is an office/shop located south of downtown. This building contains a large office and print shop.

Comparable Sales ranged from $22.88 to $67.57 per square foot. After considering the differences between the sales and the property at 3001 Reilly Drive, the $51.62 per square foot sales price from 2013 sale appears to be in line with properties located away from the transfer facility.

After the sale, the new owner added a 2,016 square foot addition, expanded the concrete lot and added security fencing in addition to their $600,000 investment. Matthew Hartenstine of Taylor Law Offices was interviewed as he represents the owners on real estate matters. He said that the Municipal Solid Waste Transfer Facility was not influential in the decision to purchase the property. He also indicated that the adjacent property was recently purchased by his client to expand their business.

3001 Reilly Drive, Springfield

GIS View

Google Earth View

Analysis of 3031 Reilly Drive, Springfield

This property is a warehouse discount store building with minimal finish. The property is on a 0.80 acre or 34,804 square foot site that is zoned B-1, Highway Business Service District within the City of Springfield. The building was built in 1988 and has 6,300 square feet and sold in April 2019 for $225,800 or $35.84 per square foot (Document No. 2019R08030). The property was purchased by the adjacent property owner to expand their business.

The property is east of the Waste Management Springfield Transfer Facility. The Municipal Solid Waste Transfer Facility is approximately 230 feet from the property. Three sales were analyzed to indicate if the 2019 sale of the property was in range of the market.

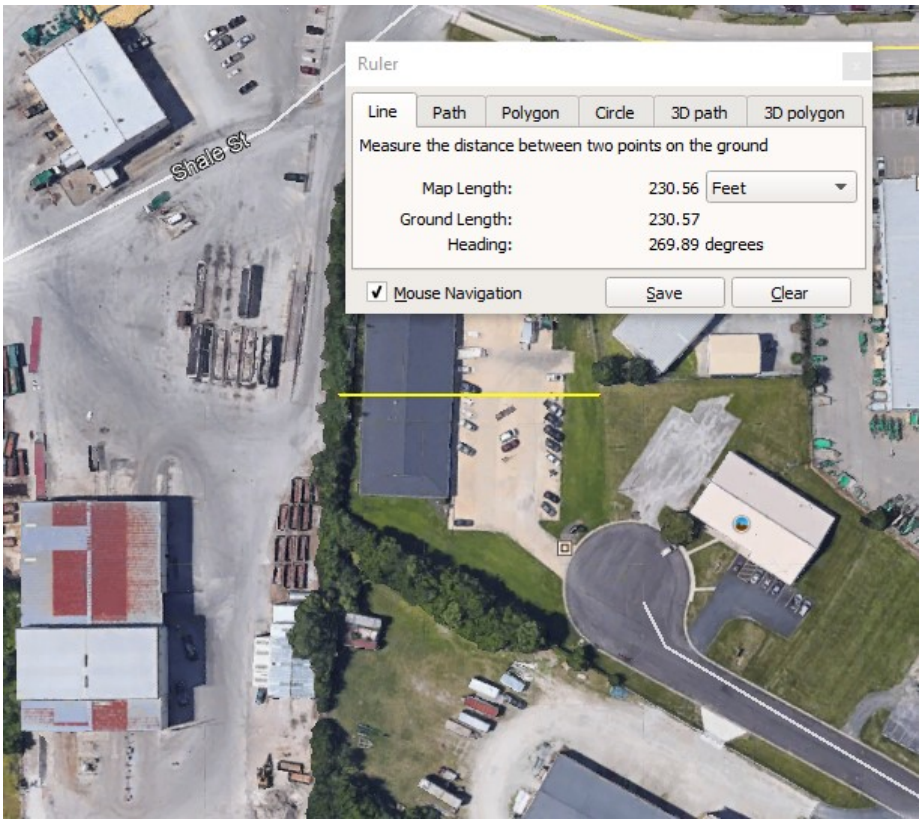
Comp No.	Location	Sale Date	Sale Price	Size (Sq Ft)	Sale Price/ Sq Ft
1	1600 N Dirksen Pkwy, Springfield	02/16	$167,500	4,224	$39.65
2	2905 N Dirksen Pkwy, Springfield	07/16	$400,000	7,490	$48.06
3	1101 W Madison, Springfield	10/17	$360,000	11,928	$33.53

All of the sales are a considerable distance from the Municipal Solid Waste Transfer Facility. Comparable Sale No 1 is an older shop building to the north in a higher traffic location. Comparable Sale No 2 is also an older retail/storage building to the north. Comparable Sale No 3 is a flex space in southwest Springfield that has some finish.

Comparable Sales ranged from $33.53 to $48.06 per square foot. After considering the differences between the sales and the property at 3031 Reilly Drive, the $35.84 per square foot sales price from 2019 sale appears to be in line with properties located away from the transfer facility.

3031 Reilly Drive, Springfield

GIS View



Google Earth View

Analysis of 3051 Reilly Drive, Springfield

This property is an auto service center with office area. This property is on a 1.04 acre or 45,128 square foot site that is zoned I-2, Heavy Industrial within the City of Springfield. The building was constructed in 1984 and contains 3,100 square feet. The property sold in October 2019 for $215,000 or $69.35 per square foot (Document No. 2019R24271).

The property is approximately 390 feet east of the Waste Management Springfield Transfer Facility. Four sales were analyzed to indicate if this recent transaction was in the range of the market.

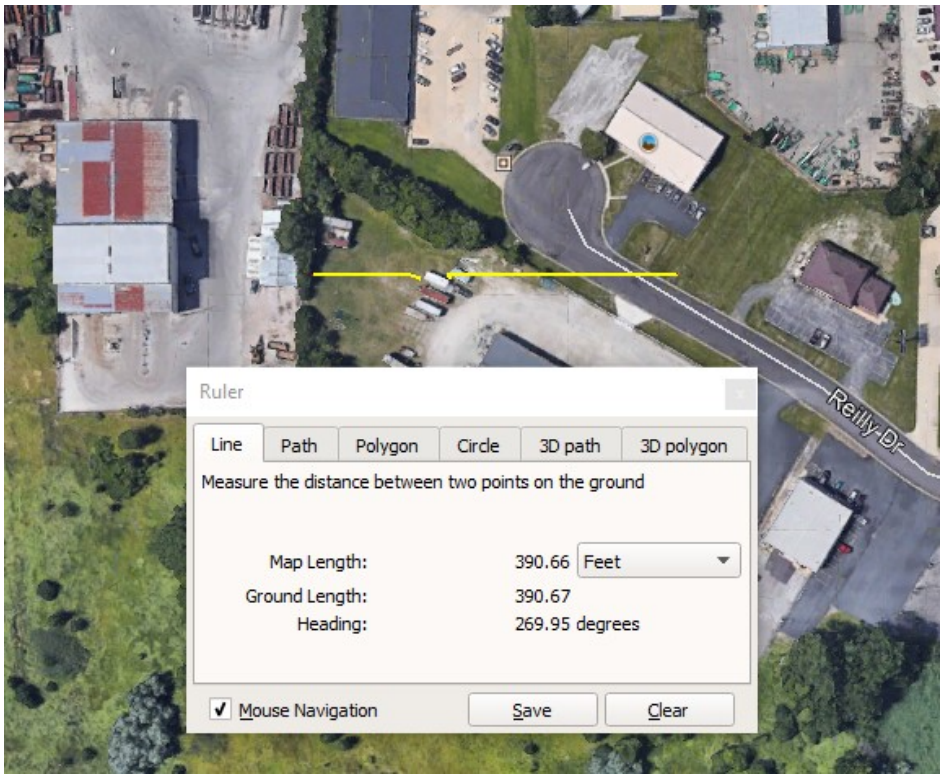
Comp No.	Location	Sale Date	Sale Price	Size (Sq Ft)	Sale Price/ Sq Ft
1	1600 N Dirksen Pkwy, Springfield	03/16	$167,500	4,224	$39.65
2	1101 W Madison St, Springfield	10/17	$360,000	7,490	$48.06
3	2600 S Dirksen Pkwy, Springfield	01/18	$275,000	2,370	$116.03
4	3410 Remington St, Springfield	03/18	$402,000	15,300	$26.27

All of the sales are a considerable distance from the Municipal Solid Waste Transfer Facility. Comparable Sale No 1 is an older shop building to the north with high traffic exposure. Comparable Sale No 2 is a flex space building in southwest Springfield. This property has some finish and one overhead door. Comparable Sale No 3 is located in a commercial area to the south. This property has a considerable amount of road frontage in a high traffic location. Comparable Sale No 4 is a truck repair center to the north.

The comparable sales ranged from $26.27 to $116.03. After considering the differences between the sales and the property at 3051 Reilly Drive, Springfield, the $69.35 per square foot appears to be in line with the properties located away from the transfer facility. The buyer (Rico Faine) and operator (Jake Guffey) were both interviewed. Both said that the Municipal Solid Waste Transfer Facility did not have an effect on the decision to buy or lease the property. Mr. Guffey said occasionally you can hear some noise and there was no odor issue. He indicated the facility did not affect his business.

3051 Reilly Drive, Springfield

GIS View



Google Earth View

Analysis of 2351 S. Dirksen Parkway, Springfield

This property is an office building located along Dirksen Parkway with access from Reilly Drive. The property is on a 0.72 acre or 31,363 square foot site that is zoned B-1, Highway Business Service District within The City of Springfield. The property is currently improved with a 5,520 square foot office building. The property was last purchased in March 2012 for $139,000 or $4.43 per square foot (does not include demolition) of land area (Document No. 2012R10367). At the time of sale the site was improved with a greyhound bus terminal which was subsequently razed for the construction of the existing structure.

The improvements are located approximately 650 feet east of the Waste Management Springfield Transfer Facility. Five sales of commercial land were analyzed to indicate if the 2012 sale of the property was in the range of the market.

Comp No.	Location	Sale Date	Sale Price	Size (Sq Ft)	Sale Price/ Sq Ft
1	2945 Clear Lake Ave, Springfield	04/10	$290,000	51,090	$5.68
2	3031 W Healey Rd, Springfield	08/10	$224,425	44,867	$5.00
3	1300 Toronto Rd, Springfield	09/10	$400,000	77,972	$5.13
4	3851 S 6th St, Springfield	05/11	$450,000	98,881	$4.55
5	3220 Executive Dr, Springfield	03/12	$56,000	23,704	$2.38

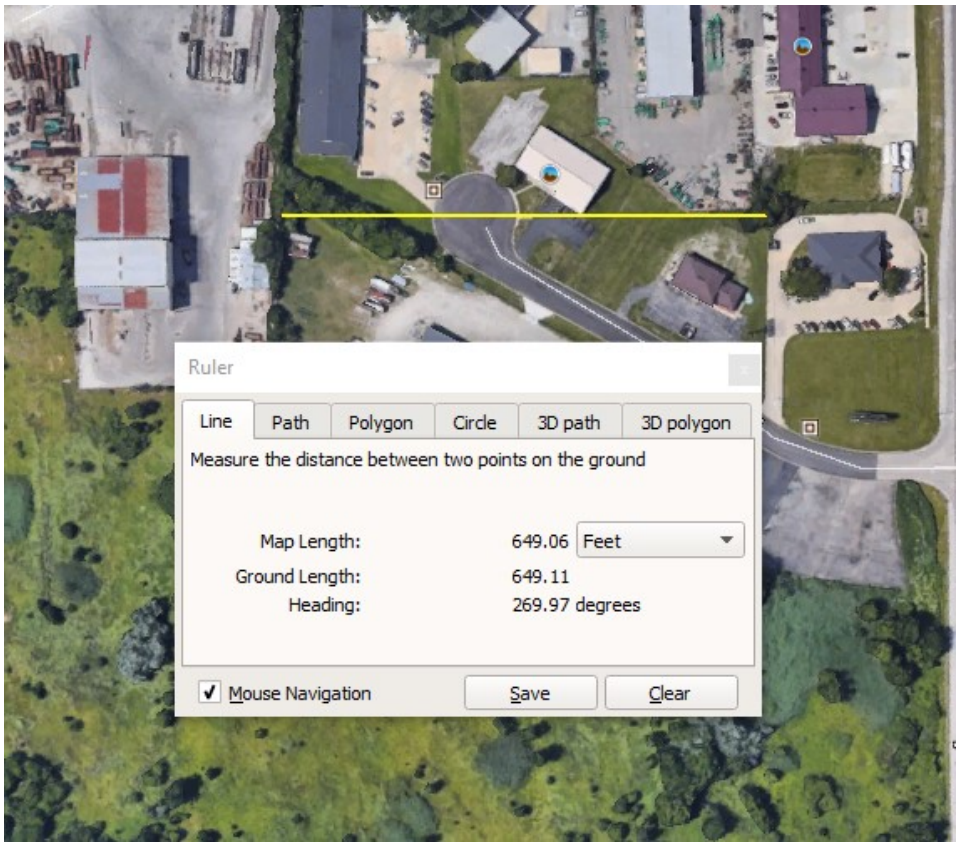
All of the land sales are a considerable distance from the Municipal Solid Waste Transfer Facility. Comparable Sale No 1 is located to the north and was later improved with a warehouse/showroom. Comparable Sale No 2 is located to the west and was later improved with a strip retail center. Comparable Sale No 3 is located to the south. There was a car wash on the site which was razed and currently the site is used for parking. Comparable Sale No 4 is located to the southeast and there are plans for an autobody shop. Comparable Sale No 5 is

located nearby to the southeast. The site is on a low traffic street at the end of a cul-de-sac. An office building has been constructed on this property.

Comparable Sales ranged from $2.38 to $5.68 per square foot. After considering the differences between the sales and the property at 2351 S. Dirksen Parkway, the $4.43 per square foot (plus demolition costs) from the 2012 sale appears to be in line with properties located away from the transfer facility.

2351 S. Dirksen Parkway, Springfield

GIS View



Google Earth View

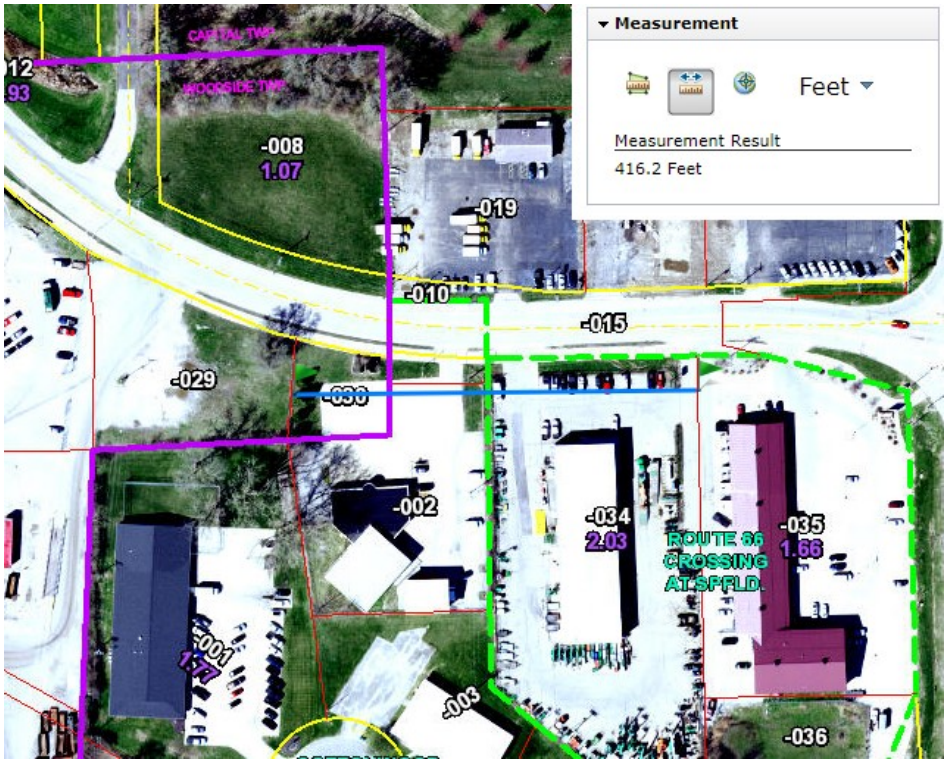
Analysis of 3064 E. Ash Street, Springfield

This property is a retail strip center. The property is on a 1.66 acre or 72,310 square foot site that is zoned B-1, Highway Business Service District within the City of Springfield. The building was constructed in 2013-2014 and contains a 16,000 square foot multiple tenant building that currently has a 1,180 square foot vacant unit or 90% occupied.

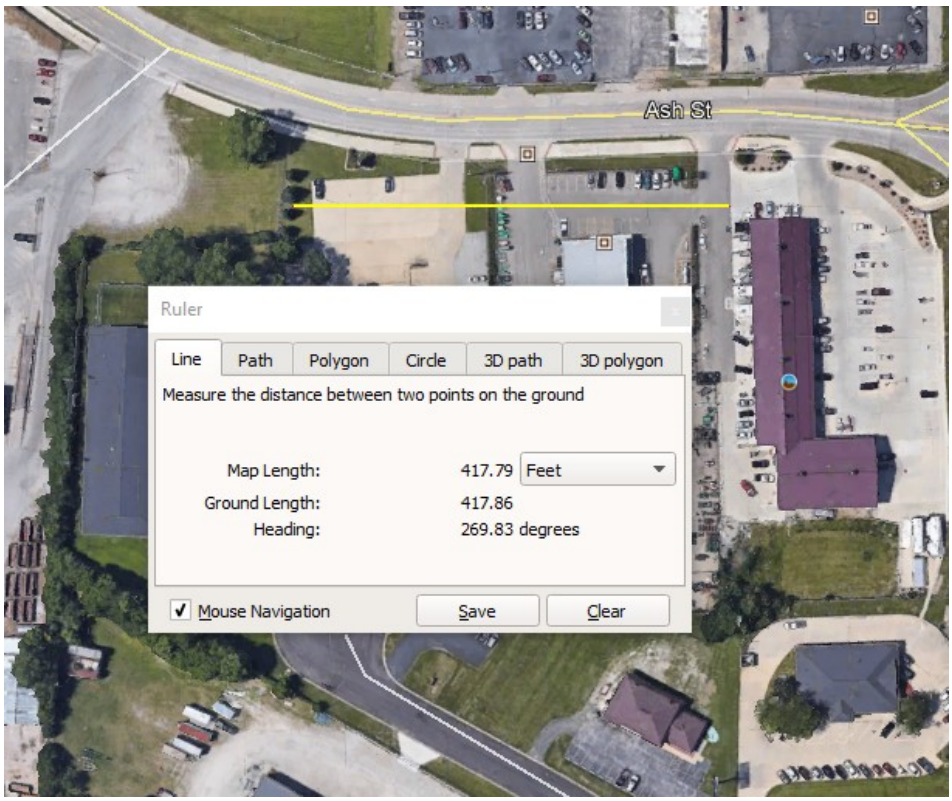
This property is approximately 415 feet from the Waste Management Springfield Transfer Facility.

There are no transfers on this property since its construction was complete in 2014. This analysis on this property was included to demonstrate investors' willingness to construct a new building in the immediate area. The property is assessed for $366,957 or $1,100,871 of actual value.

3064 E. Ash Street, Springfield



GIS View



Google Earth View

Analysis of 3040 E. Ash Street, Springfield

This property is retail/service building. The property is on a 2.03 acre of 88,427 square foot site that is zoned B-1, Highway Business Service District within the City of Springfield. The original building was built in 2008 and is 12,120 square feet and sold in January 2018 for $2,212,500 or $182.55 per square foot (Document No. 2018R00443). This is a leasehold sale.

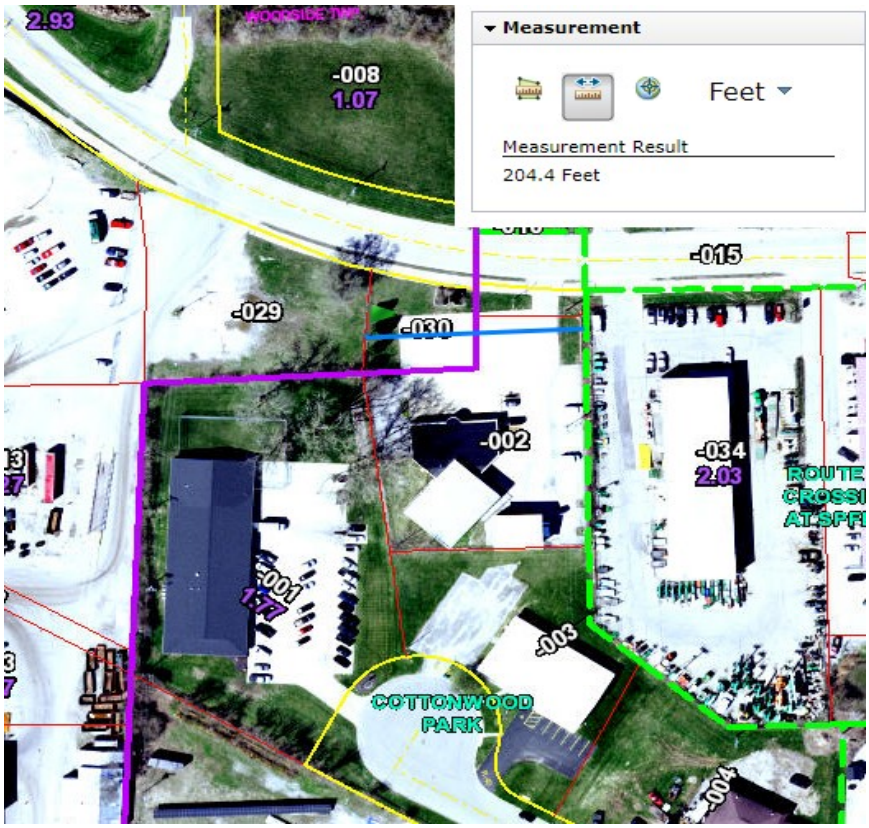
This property is located east of the Waste Management Springfield Transfer Facility. The Municipal Solid Waste Transfer Facility is approximately 205 feet from the property. Three sales of leased properties were analyzed to indicate if the 2018 sale of the property was in the range of the market.

Comp No.	Location	Sale Date	Sale Price	Size (Sq Ft)	Sale Price/ Sq Ft
1	1440 Wabash Ave, Springfield	10/17	$2,318,182	15,285	$151.66
2	701-711 Dirksen Pkwy, Springfield	01/18	$3,560,000	43,841	$81.20
3	1508 S MacArthur Blvd, Springfield	06/18	$1,595,000	9,100	$175.27

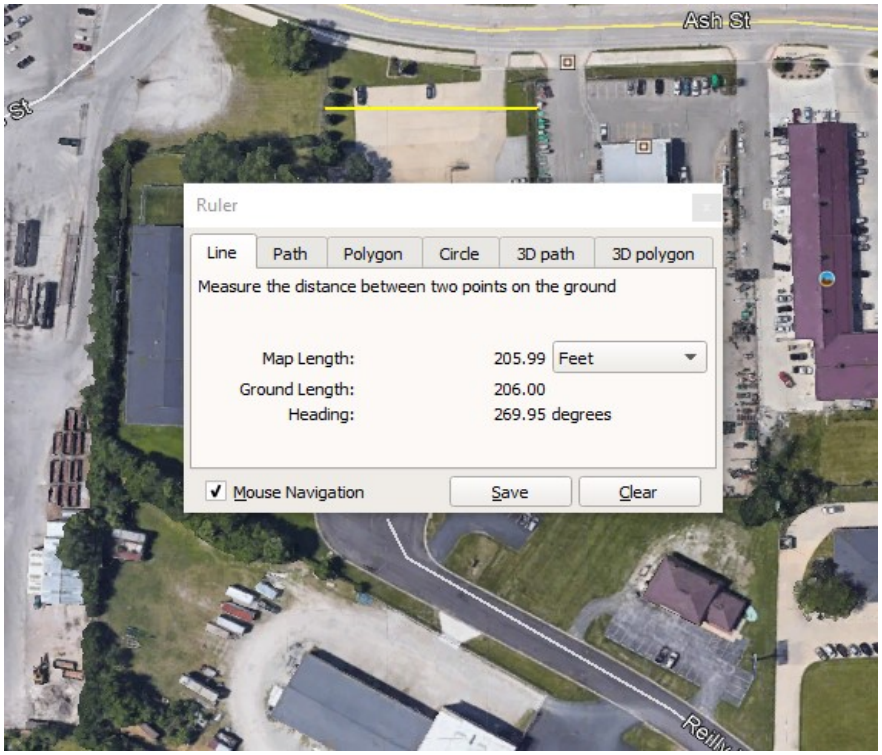
All of the sales are a considerable distance from the Municipal Solid Waste Transfer Station and were sold as leased properties. Comparable Sale No 1 is located in southwest Springfield. This older building has a showroom, office and warehouse. Comparable Sale No 2 is located to the north of the subject. There are two older buildings which are considerably larger in size. Comparable Sale No 3 is located to the west. This is a newer retail building. This property had a prior sale in 2016 for $182.85 per square foot.

Comparable Sales ranged from $81.20 to $175.27 per square foot. After considering the differences between the sales and the property at 3040 E. Ash Street, the $182.55 per square foot sale price in 2018 appears to be in line with the market.

3040 E. Ash Street, Springfield



GIS View



Google Earth View

Analysis of 3010 E. Ash Street, Springfield

This property is an office building with warehouse/shop space. The building was previously used as an auto showroom and service center. The property is on a 0.92 acre or 40,075 square foot site that is zoned I-1, Light Industrial District within the City of Springfield. The original building was built in 1993, has 8,645 square feet and sold in August 2015 for $322,000 or $37.25 per square foot (Document No. 2015R23787). The building size includes a 1,200 square foot storage building added in 2005.

This property is east of the Waste Management Springfield Transfer Facility. The Municipal Solid Waste Transfer Facility is adjacent to the property. Three sales were analyzed to indicate if the 2015 sale of the property was in range of the market.

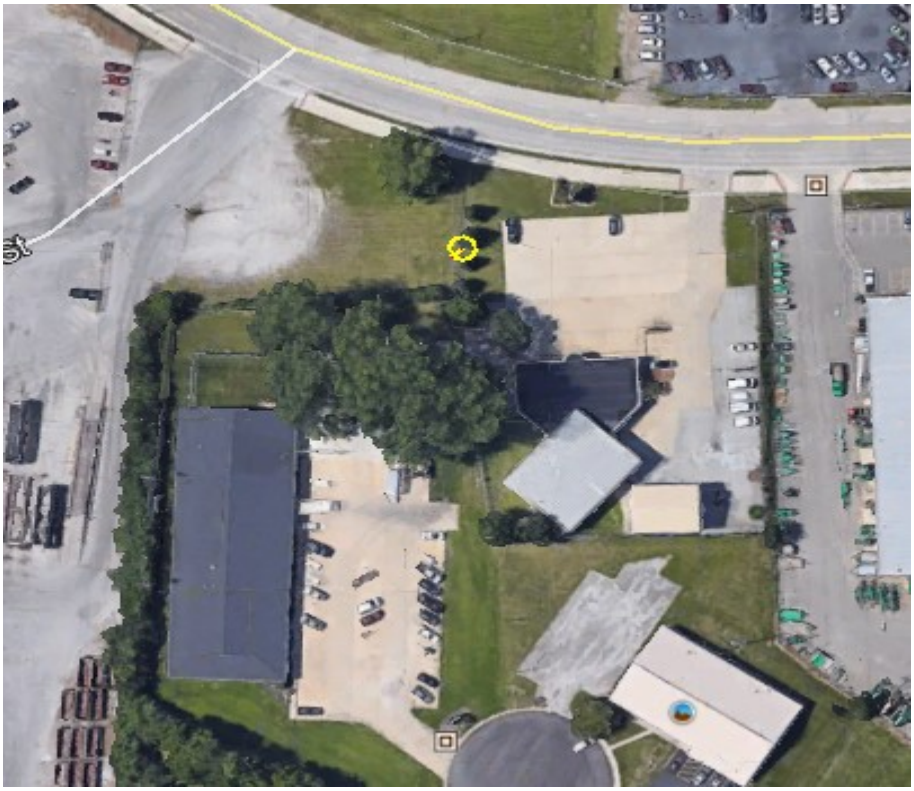
Comp No.	Location	Sale Date	Sale Price	Size (Sq Ft)	Sale Price/ Sq Ft
1	2937 Old Rochester Rd, Springfield	05/13	$400,000	9,800	$40.82
2	829 South 11th St, Springfield	10/16	$290,000	7,961	$36.43
3	1520 Pope Ave, Springfield	08/17	$160,000	6,364	$25.14

All of the sales are a considerable distance from the Municipal Solid Waste Transfer Facility. Comparable Sale No 1 is located to the northeast. This is an autobody shop located on a low traffic street. Comparable Sale No 2 is a shop building located just east of downtown. Comparable Sale No 3 is located to the northwest. This is a shop building with office.

Comparable Sales ranged from $25.14 to $40.82 per square foot. After considering the differences between the sales and the property at 3010 E. Ash Street, the $37.25 per square foot sales price from 2015 sale appears to be in line with properties located away from the transfer facility.

3010 E. Ash Street, Springfield

GIS View


Google Earth View

Additional Information

Sam Nichols, Managing broker with True Commercial Real Estate Services, was interviewed by phone. Mr. Nichols is working with the owner, Don Curtis, a builder/developer/broker, and has a sign facing E. Ash Street offering 2219 Shale Street for sale. This property is zoned B-1, Highway Business Service District within the City of Springfield and is located immediately north of the Waste Management Facility's entrance. The property is on the market for $90,000 or $2.37 per square foot. Access to the property is from Shale Street. Mr. Nichols said he did not have any concerns about the Municipal Solid Waste Transfer Facility located nearby. He indicated he had marketed several properties in the area and that it was not an issue. He indicated he sold 3010 E. Ash Street at least twice and said the Municipal Solid Waste Transfer Facility was not a factor with buyers.

A listing for the property on LoopNet offers the description "This convenient location is an excellent location for most service type businesses including automotive engine repair/placement. The surrounding developed real estate properties promote stability of value".

Summary of Waste Management Springfield Facility

Seven properties were analyzed. All of the properties are in close proximity of the Municipal Solid Waste Transfer Facility. Property to property distances ranged from 0 feet to approximately 650 feet from the facility. Two properties are adjacent.

The first three and the last property analyzed were existing buildings which sold at prices which are in the range of the market. All of the sales occurred when the Municipal Solid Waste Transfer Facility was operating; however, it is unknown if the properties were built before or after the Municipal Solid Waste Transfer Facility was operating. Market participants were interviewed, all of which indicated the Municipal Solid Waste Transfer Facility did not have a negative impact on their business decisions.

The remaining three properties were all developed and constructed when the Municipal Solid Waste Transfer Facility was in operation. This indicates willingness for investors to redevelop and build within a reasonably close distance to the facility.

Other properties were added onto and invested within approximately 1,000 feet as well as beyond. To the northeast of the MSW Transfer Facility there have been three Sangamon County buildings constructed, including the 55,500 square foot Juvenile Detention Center (2000), a 20,000 square foot IDOT warehouse (2016) and a 17,000 square foot warehouse discount store (1997). The City of Springfield made substantial improvements to a nearby public park along Taylor Avenue.

The Waste Management Municipal Solid Waste Transfer Facility does not appear to have had any significant negative effects on the surrounding area.

Waste Management Springfield Municipal Solid Waste Transfer Facility

Waste Management Springfield Municipal Solid Waste Transfer Facility

Republic Services Bloomington Municipal Solid Waste Transfer Facility

The Republic Services Bloomington Municipal Solid Waste Transfer Facility is located at 2112 W. Washington Street, Bloomington, Illinois. The 6.96 acre site is situated in Bloomington Township and is south and west of the City of Bloomington corporate limits. The area in general is bordered by Interstate 55/74 to the east, Charolais Lane (and extension of) to the south, Carri Drive (and extension of) to the west and Market Street (IL Route 9 and the extension of) to the north. The Republic Services Bloomington Municipal Solid Waste Transfer Facility is located in the east central part of the described area.

Republic Services Bloomington Municipal Solid Waste Transfer Facility

The Republic Services Waste Transfer building was built in 1989. This indicates the property has operated as a Municipal Solid Waste Transfer Facility for approximately the last 30 years. The site is zoned M-1, Restricted Manufacturing District within the McLean County jurisdiction.

The facility's access is from W. Washington Street which has Interstate access from the IL Route 9 Interchange to the northeast to Interstate 55 and Interstate 74. Properties in the area were analyzed to determine if the Bloomington Municipal Solid Waste Transfer Facility has an impact on the surroundings properties.

Neighborhood Map

The land use in the surrounding area of the Transfer Facility includes a variety of uses. Land use within this area consists of agricultural, residential and a commercial property. The majority of the residential use is to the north of the facility. Bloomington Heights Subdivision is to the Northeast. This development has a wide variety of home ages and styles. Home sizes range from 410 square feet to 2,775 square feet. Homes range in age from 5 years to over 100 years. There is a commercial building immediately east of the facility. To the south of the facility is undeveloped land. A recreation trail (Constitution Trail) borders the south edge of the facility.

Outlined Tax Parcel

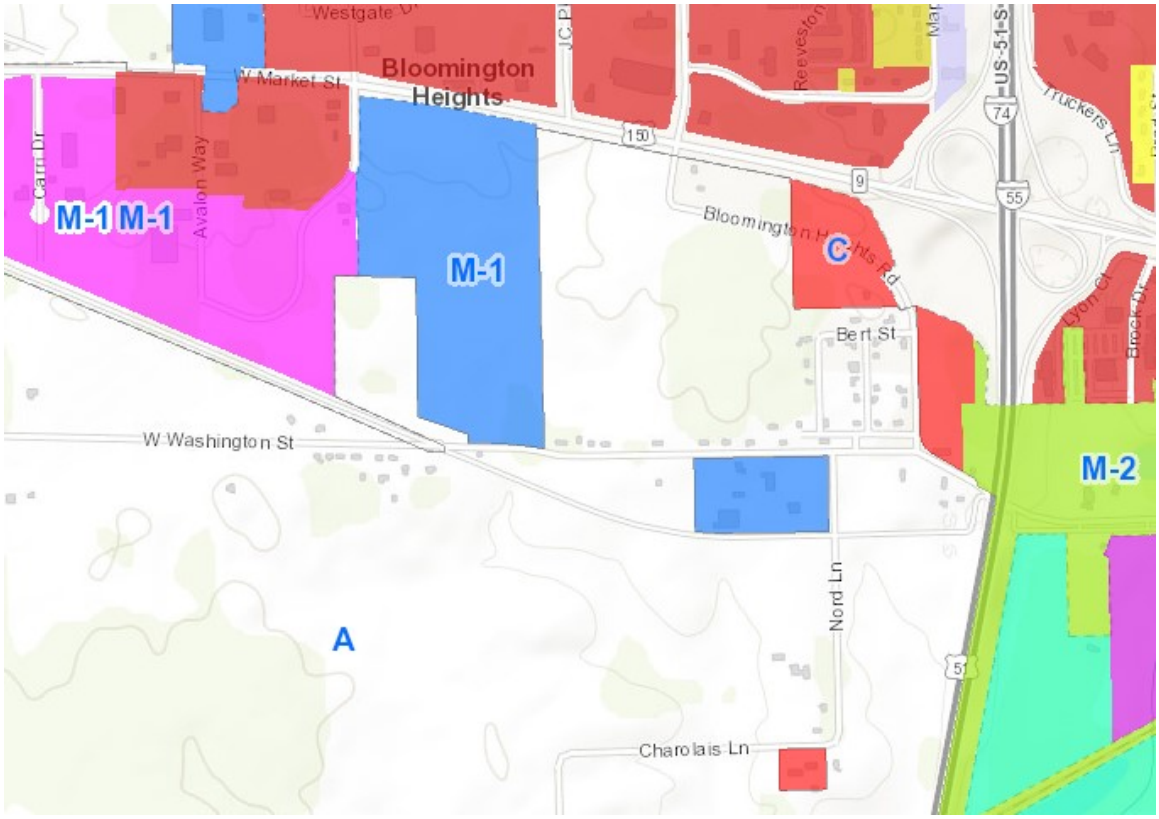
Google Earth Image 1994

Google Earth Image 2005

Google Earth Image 2014

Google Earth Image 2020

Other properties in the area are more residential use, commercial retail and service uses along IL Route 9 to the north. To the south is a landfill which is at the end of its economic life.



McLean County Zoning Map

The following properties were included in this analysis:

Analysis of 106 Constantine Street, Bloomington

This property is a single family residential use. The house is on a 0.20 acre or ±8,712 square foot site that is zoned A, Agricultural District in McLean County. The house was built in 1998, has 960 square feet and sold in April 2017 for $125,000 or $130.21 per square foot (Document No. 2017-00007781, recorded May 2017).

This property is northeast of the Republic Services Transfer Facility. The Municipal Solid Waste Transfer Facility building is approximately 570 feet from the property. Three sales were analyzed to indicate if the 2017 sale of the property was in range of the market.

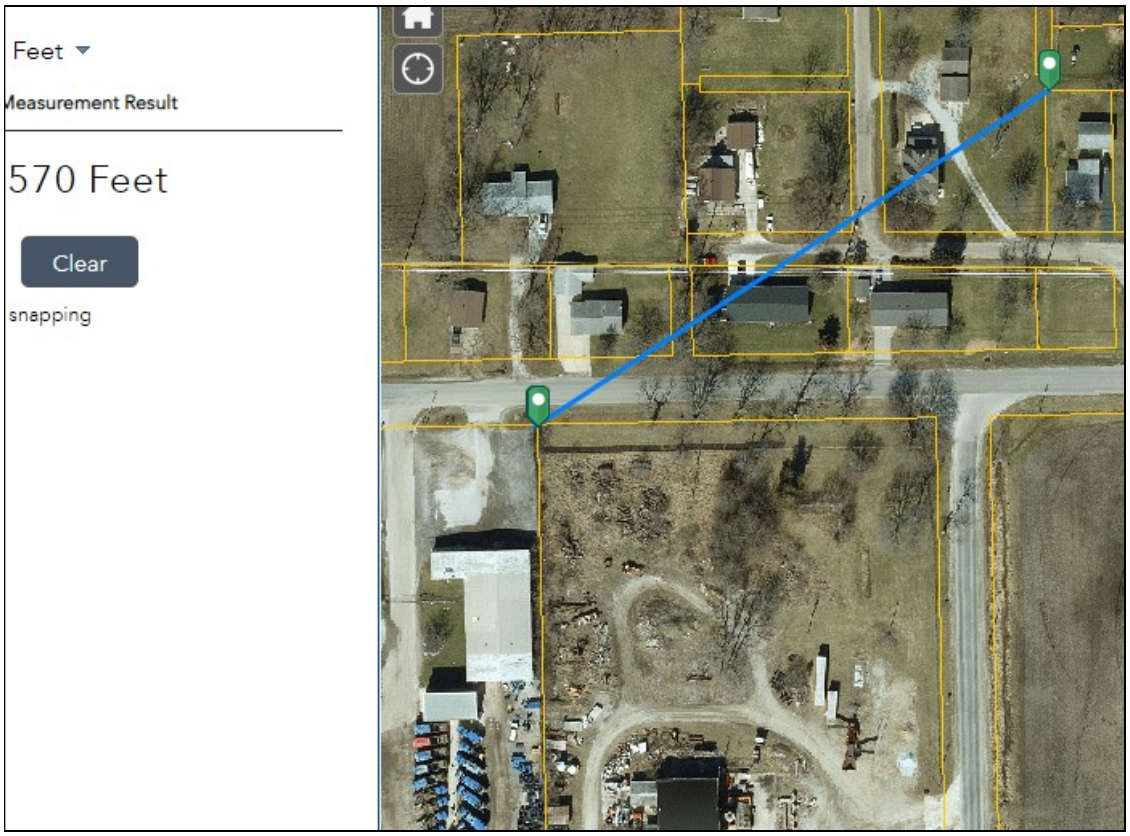
Comp No.	Location	Sale Date	Sale Price	Size (Sq Ft)	Sale Price/ Sq Ft
1	1503 S Mason, BL	02/17	$124,000	1,088	$113.97
2	10 Rutherford Ct, BL	01/17	$143,000	1,052	$135.93
3	1104½ N Hinshaw, BL	05/17	110,000	1,132	$97.17

All of the sales are a considerable distance from the Municipal Solid Waste Transfer Facility. Comparable Sale No 1 is located in south Bloomington. This is a single family residential house siting on a site with sanitary sewer. Comparable Sale No 2 is a single family residential house in southwest Bloomington sitting on a site with sanitary sewer. Comparable Sale No 3 is located in southwest Bloomington. This is a single family residential house on a site with sanitary sewer. At the time of the sale the property was listed with Coldwell Banker Real Estate. The listing agent (Bev Virgil) was interviewed by phone. The agent stated no noise or odor was noticeable and did not think the nearby Municipal Solid Waste Transfer Facility had any impact on marketing the property. To her knowledge, no potential buyer complained about the Municipal Solid Waste Transfer Facility. The house was exposed to the market 193 days. The agent indicated that the long marketing time

was due to originally being overpriced and then once the owner moved out the property did not show as well. At that time period average marketing time was 127 days on market.

Comparable Sales ranged from $97.17 to $135.93 per square foot. After considering the differences between the sales and the property at 106 Constantine Street, the $130.21 per square foot sales price from 2012 sale appears to be in line with properties located away from the transfer facility.

106 Constantine Street, Bloomington


Feet
easurement Result
570 Feet
Clear
snapping

Analysis of 2025 Interurban Road, Bloomington

This property is a single family residential use. The house is on a 0.45 acre or ±19,560 square foot site that is zoned A, Agricultural District in McLean County. The house was built in 1934, has 1,171 square feet and sold in February 2012 for $80,000 or $68.32 per square foot (Document No. 2012-00003153).

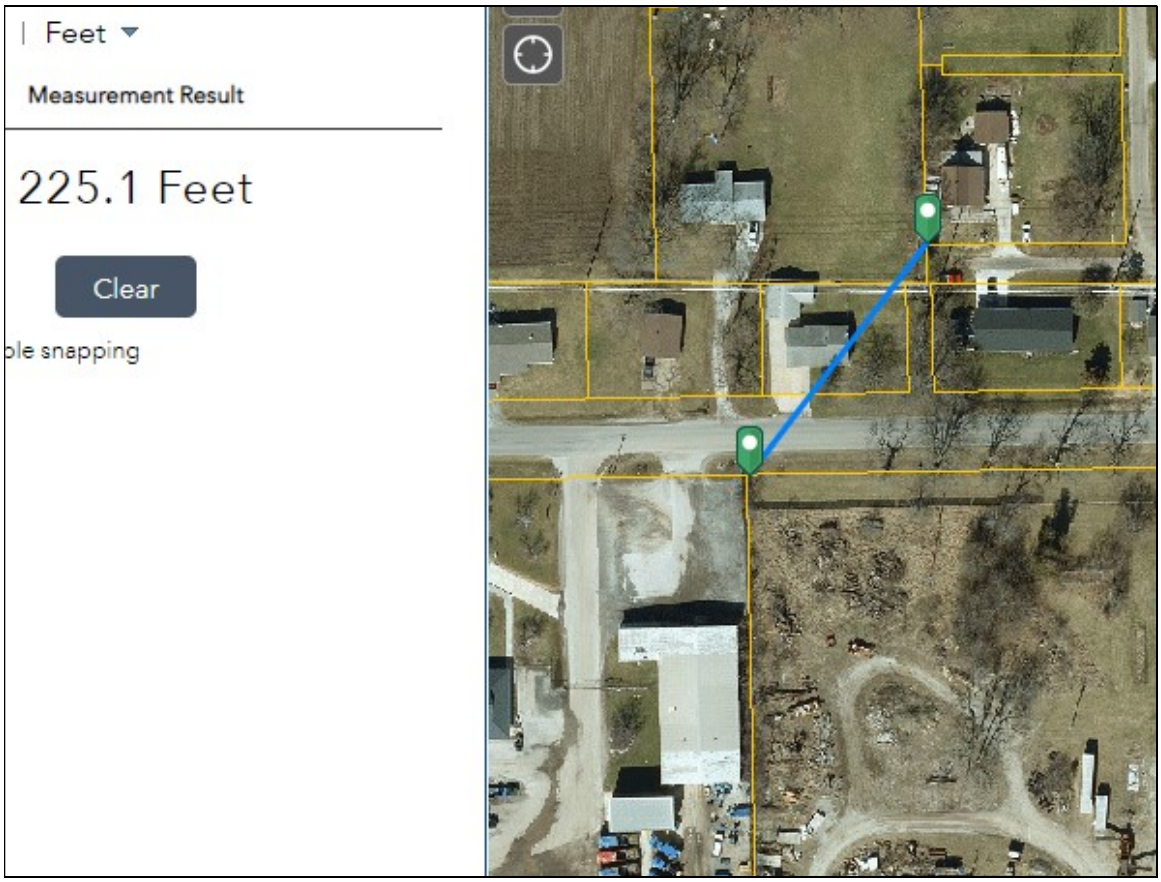
This property is northeast of the Republic Services Transfer Facility. The Municipal Solid Waste Transfer Facility building is approximately 225 feet from the property. Three sales were analyzed to indicate if the 2012 sale of the property was in range of the market.

Comp No.	Location	Sale Date	Sale Price	Size (Sq Ft)	Sale Price/ Sq Ft
1	304 S Western, BL	03/11	$72,000	1,117	$63.56
2	301 Gray, BL	04/11	$83,000	1,138	$72.93
3	819 W Jackson, BL	05/12	$86,000	1,235	$69.64

All of the sales are a considerable distance from the Municipal Solid Waste Transfer Facility. Comparable Sale No 1 is located to the east. This is a similar size single family residential house on a smaller site with sanitary sewer. Comparable Sale No 2 is a single family residential house in south Bloomington sitting on a smaller site with sanitary sewer. Comparable Sale No 3 is located to the east. This is a single family residential house on a smaller size site with a sanitary sewer and a finished basement. At the time of the sale the property was listed with Berkshire Hathaway. Both the listing agent (David Musick) and the selling agent (Sam Hazelton) were interviewed by phone. Both agents stated they did not notice any noise or odor and did not think the nearby Municipal Solid Waste Transfer Facility had any impact on marketing the property. The house was exposed to the market 138 days. At that time period average marketing time was 127 days on market.

Comparable Sales ranged from $63.56 to $72.93 per square foot. After considering the differences between the sales and the property at 2025 Interurban Road, the $68.32 per square foot sales price from 2012 sale appears to be in line with properties located away from the transfer facility.

2025 Interurban Road, Bloomington


Feet
Measurement Result
225.1 Feet
Clear
ble snapping

Analysis of 109 Constantine Street, Bloomington

This property is a single family residential use. The house is on a 0.35 acre or ±15,246 square foot site that is zoned A, Agricultural District in McLean County. The original house was built in 1924 with an addition built in 2000, has 1,662 square feet and is currently on the market for $109,600. The listing is currently pending after 114 days on the market.

This property is northeast of the Republic Services Transfer Facility. The Municipal Solid Waste Transfer Facility building is approximately 750 feet from the property. Four sales were analyzed to indicate if the current pending sale of the property was in range of the market.

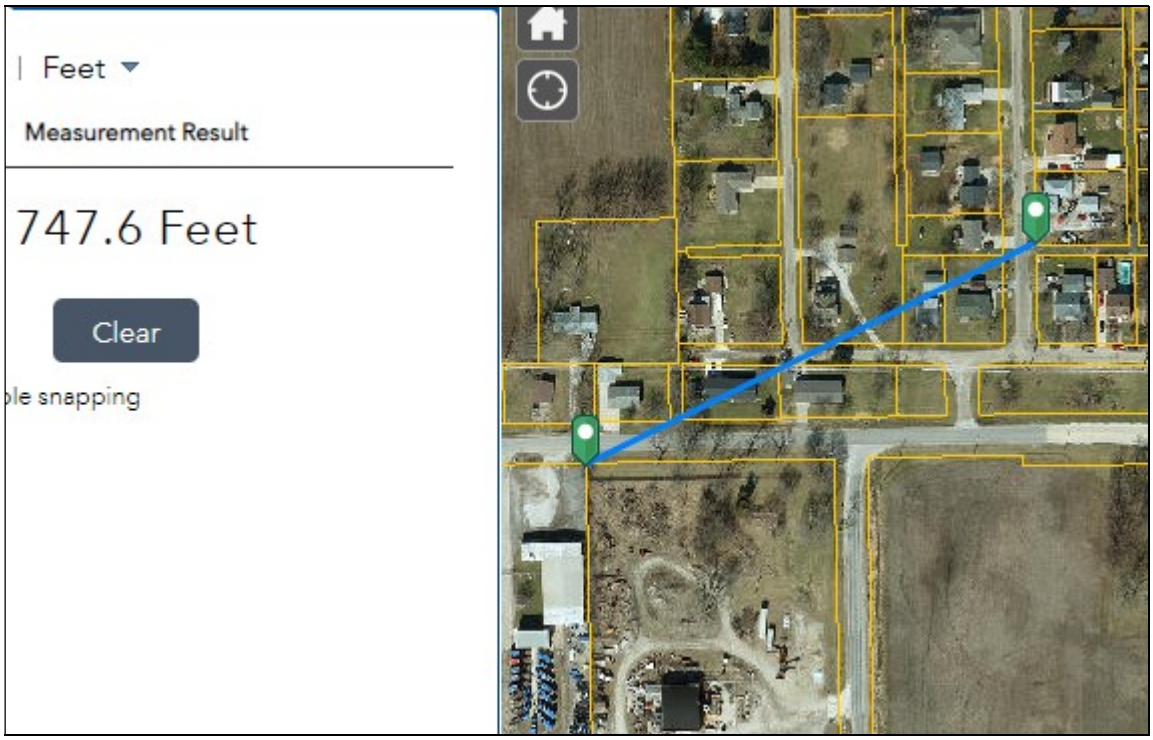
Comp No.	Location	Sale Date	Sale Price	Size (Sq Ft)	Sale Price/ Sq Ft
1	1107 W Jackson St, BL	07/19	$105,000	1,568	$66.96
2	910 W MacArthur, BL	09/19	$105,000	1,391	$75.49
3	345 E Lincoln St, BL	09/19	$107,500	1,604	$67.02
4	8458 N Shirline Rd, Shirley	12/19	$117,500	1,400	$83.93

All of the sales are a considerable distance from the Municipal Solid Waste Transfer Facility. Comparable Sale No 1 is a two story single family residential house in west Bloomington. The similar size house is on a smaller lot with public sewer. Comparable Sale No 2 is located in west Bloomington. This is a smaller single family residential house on a smaller site with sanitary sewer. Comparable Sale No 3 is a single family residential house in south Bloomington sitting on a smaller site with a sanitary sewer. Comparable Sale No 4 is located in Shirley. This is a single family residential house on a similar size site with no public water or sewer. The current listing is ReMax Choice. The listing agent (Gregory Lee) was interviewed by phone. The agent stated there was no noticeable noise or odor and did not think the nearby Municipal Solid Waste Transfer Facility had any

impact on marketing the property. He said the nearby highway traffic (I-55/74) was noticeable as well as periodic odor from the Cargill Plant was occasionally noticeable. The house was exposed to the market for 114 days. The current average marketing time is 79 days on market.

Comparable Sales ranged from $66.96 to $83.93 per square foot. After considering the differences between the sales and the property at 109 Constantine Street, the current listing appears to be in line with properties located away from the transfer facility.

109 Constantine Street, Bloomington


Feet
Measurement Result
747.6 Feet
Clear
ble snapping

Analysis of 2022 Interurban Road, Bloomington

This property is a single family residential use. The house is on a 0.27 acre or ±11,761 square foot site that is zoned A, Agricultural District in McLean County. The house was built in 2015, has 1,500 square feet and was constructed on a lot that was purchased in February 2013 for $15,000 or $1.28 per square foot of land area (Document No. 2013-00005238).

This property is northeast of the Republic Services Transfer Facility. The Municipal Solid Waste Transfer Facility building is approximately 160 feet from the property. Three sales were analyzed to indicate if the 2004 land sale of the property was in range of the market.

Comp No.	Location	Sale Date	Sale Price	Size (Sq Ft)	Sale Price/ Sq Ft
1	1102 W Front St, BL	05/11	$11,000	15,360	$0.73
2	1530 W Locust St, BL	05/13	$14,000	7,437	$1.88
3	903 S Wright, BL	03/15	$15,000	7,498	$2.00

All of the land sales are a considerable distance from the Municipal Solid Waste Transfer Facility. Comparable Sale No 1 is located in west Bloomington. This is a larger site that has public sewer. Comparable Sale No 2 is a lot in west Bloomington sitting on a smaller site with sanitary sewer. This lot has commercial zoning; however, was marketed as residential use. Comparable Sale No 3 is located in south Bloomington. This is a single family lot on a smaller size site with sanitary sewer.

Comparable Sales ranged from $0.73 to $2.00 per square foot. After considering the differences between the sales and the property at 2022 Interurban Road, the $1.28 per square foot sales price from 2013 sale appears to be in line with properties located away from the transfer facility.

2022 Interurban Road, Bloomington

Analysis of 110 Washburn Street, Bloomington

This property is a single family residential use. The house is on a 0.46 acre or ±20,038 square foot site that is zoned A, Agricultural District in McLean County. The house was built in 2007, has 1,620 square feet and was constructed on a lot that was purchased in July 2004 for $25,000 or $1.25 per square foot of land area (Document No. 2004-00025729).

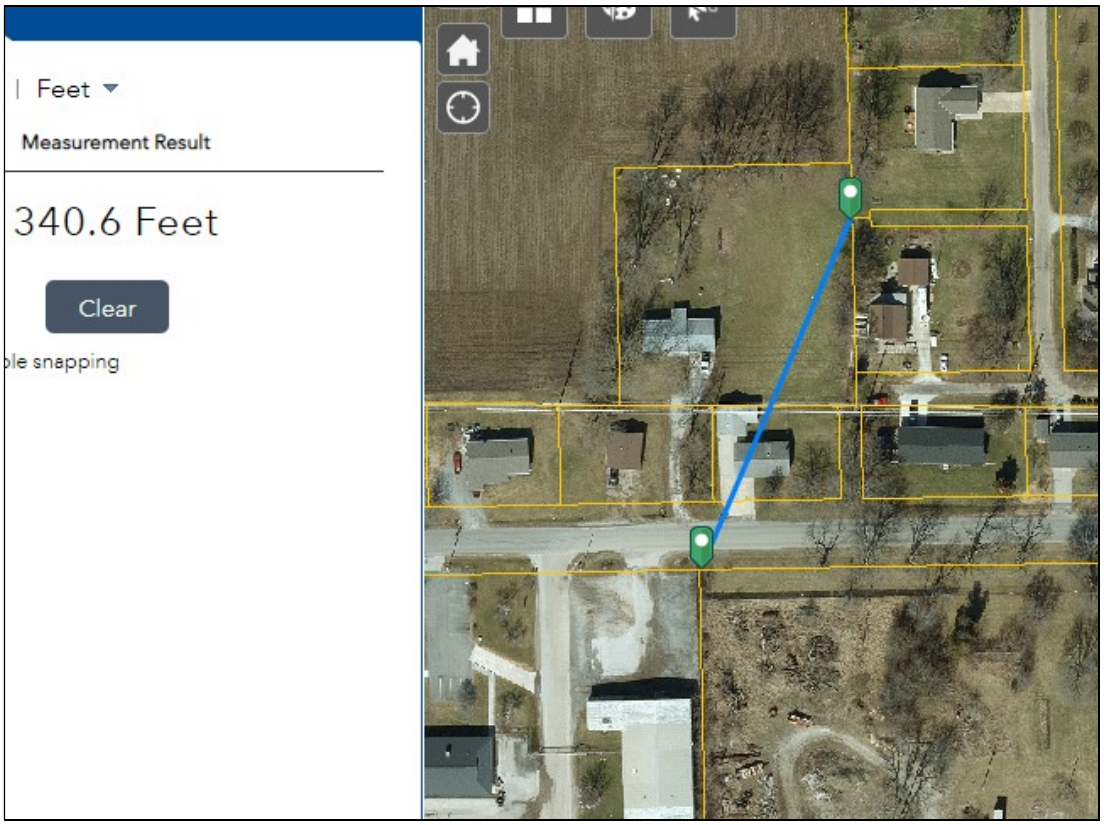
This property is northeast of the Republic Services Transfer Facility. The Municipal Solid Waste Transfer Facility building is approximately 340 feet from the property. Four sales were analyzed to indicate if the 2004 land sale of the property was in range of the market.

Comp No.	Location	Sale Date	Sale Price	Size (Sq Ft)	Sale Price/ Sq Ft
1	Lot 1 Shirlane, Shirley	03/03	$13,000	10,000	$1.30
2	511 S Lumbar, BL	05/04	$18,000	10,231	$1.76
3	703 E Miller St, BL	07/04	$15,000	6,327	$2.37
4	1022 E Lafayette, BL	11/05	$30,000	30,000	$1.00

All of the land sales are a considerable distance from the Municipal Solid Waste Transfer Facility. Comparable Sale No 1 is located to the south in Shirley. This is a smaller site that was assembled to build a single family residence. There is no public water or sewer. Comparable Sale No 2 is a residential lot in west Bloomington sitting on a smaller site with sanitary sewer. This lot was assembled with an adjacent property. Comparable Sale No 3 is located in southeast Bloomington. This is a single family lot on a smaller size site with a sanitary sewer. A single family residence was later constructed on the site. Comparable Sale No 4 is a larger site with sanitary sewer in south Bloomington in a mixed use area. There was a single family residence constructed on the site after the sale.

Comparable Sales ranged from $1.00 to $2.37 per square foot. After considering the differences between the sales and the property at 110 Washburn Street, the $1.25 per square foot sales price from 2004 sale appears to be in line with properties located away from the transfer facility.

110 Washburn Street, Bloomington


Feet
Measurement Result
340.6 Feet
Clear
ple snapping

Analysis of 108 Constantine Street, Bloomington

This property is a single family residential use. The house is on a 0.38 acre or ±16,620 square foot site that is zoned A, Agricultural District in McLean County. The house is currently under construction. The lot was purchased in July 2018 for $17,000 or $1.02 per square foot of land area (Document No. 2018-00012055).

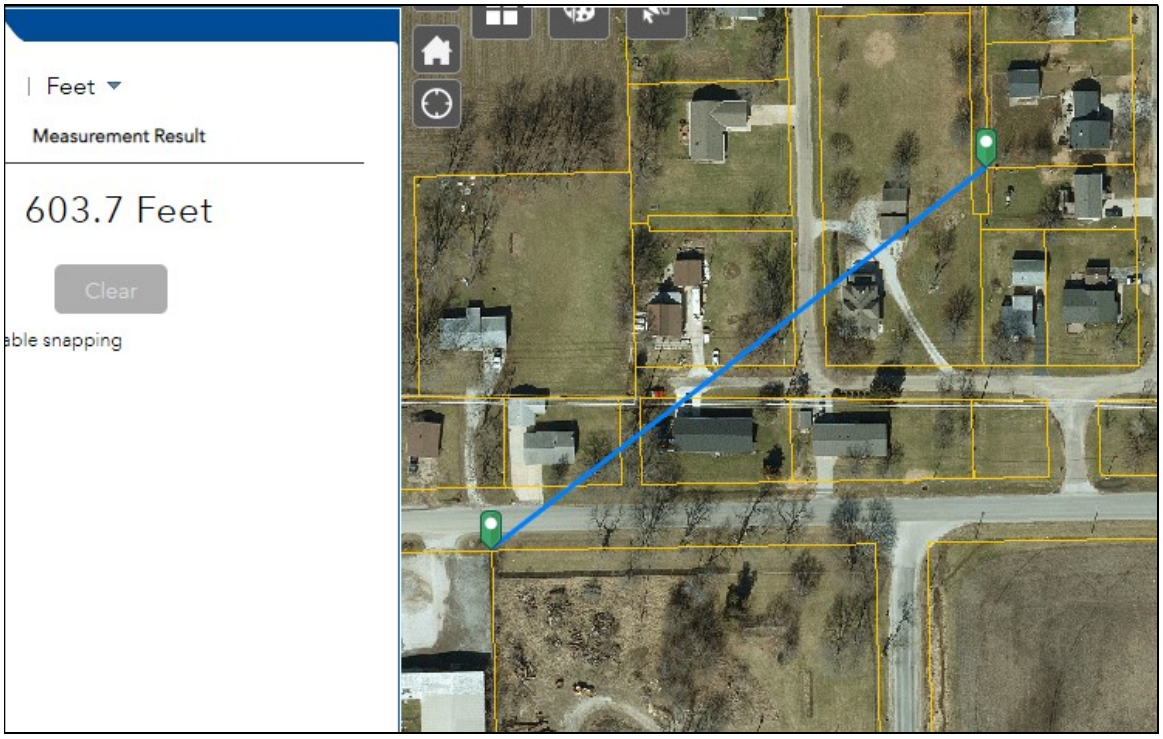
This property is northeast of the Republic Services Transfer Facility. The Municipal Solid Waste Transfer Facility building is approximately 605 feet from the property. Three sales were analyzed to indicate if the 2018 land sale of the property was in range of the market.

Comp No.	Location	Sale Date	Sale Price	Size (Sq Ft)	Sale Price/ Sq Ft
1	1107 N Linden, BL	05/17	$35,000	26,080	$1.34
2	1606 N Roosevelt, BL	07/18	$6,000	4,950	$1.21
3	Lot 3 Windrush Acres, BL	07/19	$15,000	31,363	$0.48

All of the land sales are a considerable distance from the Municipal Solid Waste Transfer Facility. Comparable Sale No 1 is located in north Bloomington in a mixed use area. This is a larger site that has public sewer. Comparable Sale No 2 is a residential lot in southwest Bloomington sitting on a smaller site with sanitary sewer. Comparable Sale No 3 is located southeast of Bloomington. This is a single family lot on a larger size site with no public sewer.

Comparable Sales ranged from $0.48 to $1.34 per square foot. After considering the differences between the sales and the property at 108 Constantine Street, the $1.02 per square foot sales price from the recent sale appears to be in line with properties located away from the transfer facility.

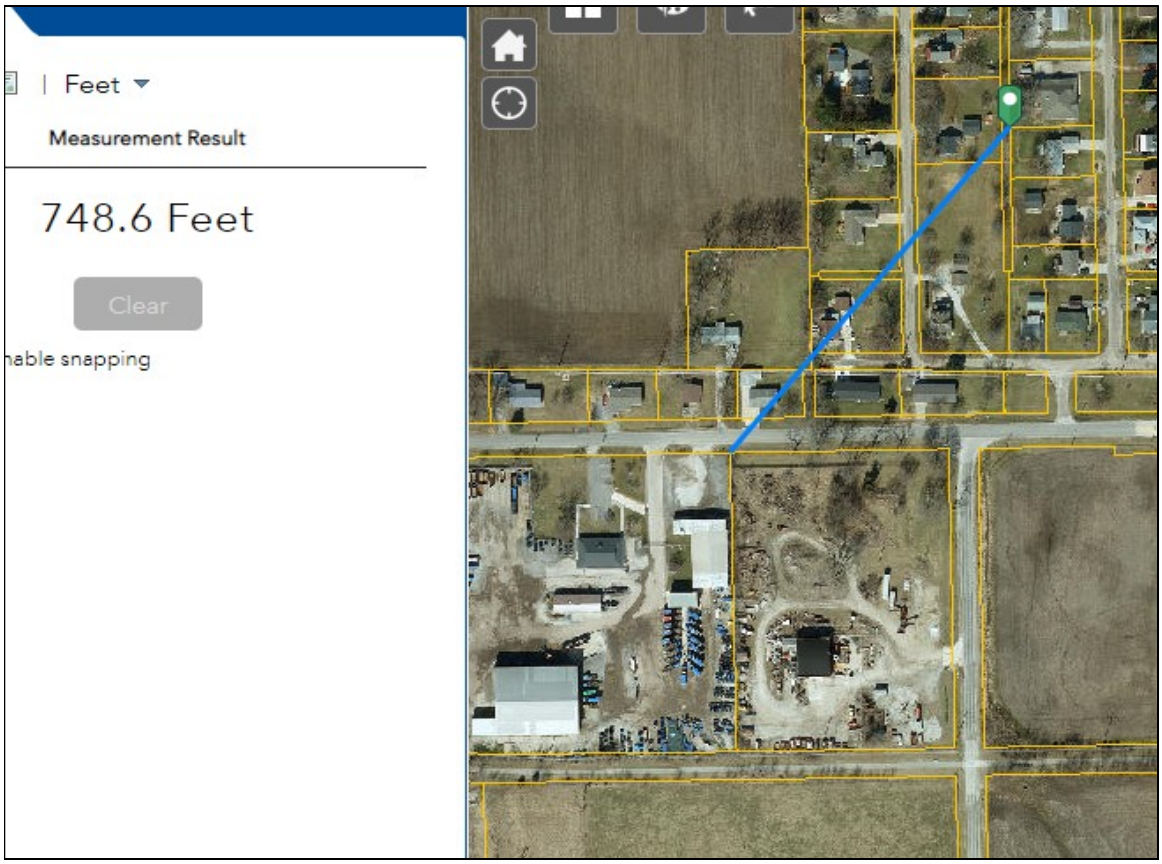
108 Constantine Street, Bloomington



Additional Information

The lot at 114 Constantine Street was purchased in 2007 for $20,000. The site was previously excess land to 118 Constantine Street. A 2,778 square foot one story house was constructed in 2009. The lot, containing 16,560 square feet, sold for $1.21 per square foot, which is consistent with other land sales in the area. This property is approximately 750 feet from the Transfer Facility. This is included to show willingness to make a substantial investment in close proximity to the facility.

114 Constantine Street


Feet
Measurement Result
748.6 Feet
Clear
nable snapping

Summary of Republic Services Bloomington Facility

The first three sales analyzed are properties that were existing homes involved in transactions. Sales that occurred at the time of sale were analyzed to determine if they were in the range of the market. Al properties analyzed are between 160 feet to 750 feet of the property. All sales appear to be in the range of the market at the time of their sales.

The next three properties are lot sales which were subsequently built on; all are well within 1,000 feet of the Transfer Facility. This indicates willingness for a market participant to build within a reasonably close distance to the facility. Additionally, the land sales appear to be in the range of the market at the time of their sales.

The Republic Services Solid Waste Transfer Facility does not appear to have had any significant negative effects on the residential properties in the surrounding area.

SUMMARY AND CONCLUSIONS

The Waste Management MSW Transfer Facility in Springfield was analyzed to measure the effect on the surrounding properties. The Springfield facility has numerous commercial properties of various types in the immediate area. There have been several transactions that were analyzed to measure if the sales were in the range of the market at the time of sale. Four transactions of improved commercial properties were analyzed. Additionally, the land along Dirksen Parkway was redeveloped and thence new commercial buildings were added during the time that the MSW Transfer Facility was in operation. The properties range in distance from 0 feet (adjacent to property) to 650 feet from property to property.

The Republic Services MSW Transfer Facility in Bloomington was also analyzed to measure the effect on the surrounding properties. The Bloomington facility has numerous residential properties in the surrounding area. Several transactions were analyzed to measure if the sales were in the range of the market. Three transactions of improved residential properties were analyzed. Additionally, three land sales occurred at the time the MSW Transfer Facility was in operation. All of the three sites were improved with new residential structures after the land sales. Proximity of the properties analyzed ranged from approximately 160 feet to 750 feet from the Republic Services Facility.

In both Springfield and Bloomington there was no evidence that indicates there was a negative impact to the surrounding properties. New construction (commercial and residential) in close proximity to the respective facilities further indicates that market participants were willing to invest in these areas.

Interviews conducted with market participants in both Springfield and Bloomington supported the conclusion of the sales analysis.

Considering all of this information, we can conclude that since the property sales of the existing Municipal Solid Waste Transfer Facility analyzed were not significantly affected by their proximity that properties surrounding other Municipal Solid Waste Transfer Facilities operating in compliance with regulatory standards will similarly not be adversely affected, in either the short or long term periods and the Facility is located so as to minimize the effect on the surrounding property value. It is our professional opinion the Transfer Facility is located so as to minimize incompatibility with the character of the surrounding area and to minimize the effect on the value of the surrounding property.

CERTIFICATION

We certify that, to the best of our knowledge and belief:

1. The statements of fact contained in this report are true and correct.

2. The reported analysis, opinions, and conclusions are limited only by the reported assumptions and limiting conditions, and is our personal, unbiased professional analysis, opinions, and conclusions.

3. We have no present or prospective interest in the property that is the subject of this report and we have no personal interest or bias with respect to the parties involved.

4. Our compensation is not contingent upon the reporting of a predetermined value or direction in value that favors the cause of the client, the amount of the value estimate, the attainment of a stipulated result, or the occurrence of a subsequent event.

5. This study was not based on a requested minimum valuation, a specific valuation, or the approval of a loan.

6. Our analysis, opinions, and conclusions were developed, and this report has been prepared, in conformity with the Uniform Standards of Professional Appraisal Practice.

7. We have made a personal inspection of the subject property.

8. No one provided significant professional assistance to the persons signing this report.

9. The reported analyses, opinions and conclusions were developed based on, and this report has been prepared in conformance with, our interpretation of the guidelines and recommendations set forth in the Uniform Standards and Professional Appraisal Practice (USPAP), and the requirements of the Code of Professional Ethics and Standards of Professional Appraisal Practice of the Appraisal Institute.

10. The use of this report is subject to the requirements of the Appraisal Institute relating to review by its duly authorized representatives.

11. As of the date of this report, we have completed the requirements of the continuing education program of the Appraisal Institute.

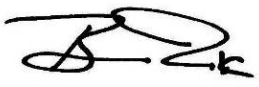
12. We have completed a real estate appraisal of the property that is in the subject of this report within the three-year period immediately preceding acceptance of this assignment.

RESTRICTIONS ON DISCLOSURE AND USE

Disclosure of the contents of this report is governed by the Bylaws and regulations of the Appraisal Institute. Neither all nor any part of the contents of this report (especially any conclusions as to value, the identity of the appraisers or the firm with which they are connected, or any reference to the Appraisal Institute), shall be disseminated to the public through advertising media, public relations media, news media, sales media or any other public means of communication without the prior written consent and approval of the undersigned.

Based upon the information contained in this report and upon our judgment, knowledge and experience as real estate appraisers, it is our judgment that as of February 11, 2020 we can conclude that since the property sales of the existing Municipal Solid Waste Transfer Facility analyzed were not significantly affected by their proximity that properties surrounding other Municipal Solid Waste Transfer Facilities operating in compliance with regulatory standards will similarly not be adversely affected, in either the short or long term periods and the Facility is located so as to minimize the effect on the surrounding property value. It is our professional opinion the Transfer Facility is located so as to minimize incompatibility with the character of the surrounding area and to minimize the effect on the value of the surrounding property.

David A. Park, SRA
IL Certified Residential Real Estate Appraiser
IL Certification No. 556.001222



W. Bradley Park, MAI
IL Certified General Real Estate Appraiser
Certification No. 553.000407

Qualifications of David A. Park, SRA

Business

Partner
Park-Stoutamoyer & Associates, Inc.
317 N Main Street
Bloomington, Illinois 61701
Phone: (309) 829-3331
Fax: (309) 828-1656
Email: dpark@park-st.com

License

Illinois Certified Residential Real Estate Appraiser
License No. 556.001222

Education

Illinois State University, Normal, Illinois
Bachelor of Science – 1982
Parkland College, Champaign, Illinois
Associates in Applied Science – 1979

Professional Classes

- Real Estate Appraisal Principals, American Institute of Real Estate Appraisers, Columbus, Ohio
- Residential Valuation, American Institute of Real Estate Appraisers, Boulder, Colorado
- Standards of Professional Practice, Chapter 6, Illinois American Institute of Real Estate Appraisers, Chicago, Illinois
- Valuation Procedures, Appraisal Institute, Houston, Texas
- Income Valuation of Small Mixed Use Properties, Appraisal Institute, Normal, Illinois
- Condemnation Appraising – Basic Principles & Application, Appraisal Institute, Normal, Illinois
- Real Estate Right of Way Acquisition Negotiations, International Right of Way Association, Springfield, Illinois
- Regularly Attend Real Estate Seminars

Professional Memberships

- Appraisal Institute – SRA Member
- Illinois Coalition of Appraisal Professionals (ICAP)
- Bloomington-Normal Association of Realtors
- Illinois Association of Realtors
- National Association of Realtors
- International Right of Way Association

Education Certification

As of the date of this report, I, David A. Park, have completed the requirements under the continuing education program of the Appraisal Institute.

Professional Experience

- Admissions and Designations Qualification Committee (ADQC)
  - (2005-2009) Member of national committee which establishes criteria, policy, and procedures for the designations of the Appraisal Institute.
- Residential Council Member
  - Previously represented Region III on the National Committee which established criteria, policy, and procedures of the SRA designation of the Appraisal Institute prior to the formation of ADQC
- Heart of Illinois Chapter of the Appraisal Institute
  - Served 2 terms as President (1995, 2000), Vice President, Secretary/Treasurer, numerous years on the Board of Directors, Regional Representative, Chairman of Finance, Education, Government Relations and Bylaws Committees
- A.I. Reports Project Team
  - Currently a member of Appraisal Institute Project Team to develop a series of A.I. branded residential appraisal reports
- Illinois Coalition of Appraisal Professionals (ICAP)
  - Previously a member of the Board of Directors of ICAP, which monitors laws, organizes lobbying activity, and disseminates information to its members
- Illinois Department of Transportation (IDOT)
  - Approved Appraiser and Review Appraiser

Partial List of Clientele

Associated Bank
BroMenn Healthcare
Busey Bank
Central Illinois Bank
Central Illinois Regional Airport
Chase
Cincinnati Insurance Company
Citizens Bank of Chatsworth
City of Bloomington
City of Streator
CEFCU
Commerce Bank
Countrywide Home Loans
Executive Relocation
Fannie Mae
First Bank
First Farmers State Bank
First Financial Bank
First State Bank of Bloomington
First State Bank of Heyworth
Flanagan State Bank
Freddie Mac
Hanson Engineering
Heartland Bank & Trust Co.
Illini Bank
Illinois Department of Transportation
Illinois State University Credit Union
Illinois Wesleyan University
LaSalle County Highway Department
McLean County Highway Department
Mortgage Services
Morton Community Bank
NEI Relocation
National Equity
PNC Bank
PNC Mortgage
Prairie State Bank
Prairieland Federal Credit Union
Regions Bank
Residential Mortgage Banc
Sidley Austin LLP
Specia & Ayers
Springfield Mortgage
State Farm Bank
Town of Normal
Terra Engineering
United City of Yorkville
Village of Oswego
Wells Fargo Bank
WHR Group

Partial List of Projects

- Village of Oswego
  - Douglas Road Project from US Route 30 to US Route 34
- Streator, Illinois
  - Broadway Street Viaduct Project
- Illinois Department of Transportation
  - IL Route 47, Yorkville, Kendall County, IL
  - IL Route 47 Expansion Saunemin to Forrest, Livingston County, IL
  - IL route 117 and US Route 150, Goodfield, IL
  - Fox Creek Road/Interstate 74 Bridge Project, Bloomington, IL
  - IL Route 9 Bridge Project, McLean County, IL
  - Interstate 55 at Pipeline Road, Normal, IL
  - Veterans Parkway Expansion, Bloomington-Normal, IL
- McLean County Highway Department
  - Towanda-Barnes Road Project (US Route 150 to IL Route 9)
  - Towanda-Barnes Road Project Phase II (IL Route 9 to Ft Jesse Rd)
  - County Road 2550 North Project
  - Various Small Projects
- LaSalle County Highway Department
  - Bridge Projects
- City of Pontiac
  - Airport Runway Expansion
  - Contaminated Sites at the Vermilion River and Water Street
- Central Illinois Regional Airport
  - Various Projects
- City of Bloomington
  - Various Projects
- Town of Normal
  - Various Projects
- City of Fairbury/Department of Natural Resources
  - Various Park Projects
- Terra Engineering
  - IL Route 8, East Peoria, Tazewell County, IL
  - IL Route 178, Utica, LaSalle County, IL
  - IL Route 23, DeKalb, DeKalb County, IL
  - IL Route 47, Yorkville, Kendall County, IL
  - Farmington Road Project, West Peoria, IL
  - Various Small Projects
- Hanson Engineering
  - I-74/I-155, Morton, Tazewell County, IL
  - IL Route 10, Logan County, IL
  - Various Small Projects
- Sidley Austin LLP/Specia & Ayers
  - Enbridge Pipeline Projects

Expert Witness

- McLean County Circuit Clerk
  - Property Settlement
  - Eminent Domain
  - Environmental Contamination
  - Partition Cases
- Tazewell County Circuit Clerk
  - Eminent Domain
- DeKalb County
  - Eminent Domain

Qualifications of W. Bradley Park, MAI

Business

President
Park-Stoutamoyer & Associates, Inc.
317 N Main Street
Bloomington, Illinois 61701
Phone: (309) 829-3331
Fax: (309) 828-1656
Email: bpark@park-st.com

License

Illinois Certified General Real Estate Appraiser
License No. 553.000407

Education

Eastern Illinois University, Charleston, Illinois
Bachelor of Science: Business Management

Professional Classes

- Basic Real Estate Transaction, Lakeland College, Mattoon, Illinois
- Real Estate Contracts and Conveyancing, Illinois State University, Normal, Illinois
- Single Family Residential Appraisal, American Institute of Real Estate Appraisers, A.I.R.E.A. Educational Center, Chicago, Illinois (Course VIII)
- Appraisal Principles, Methods and Techniques, American Institute of Real Estate Appraisers, Memphis State University, Memphis, Tennessee (Course 1A)
- Capitalization Theory and Techniques, Part A, American Institute of Real Estate Appraisers, Indiana University (1B-A), Bloomington, Indiana
- Capitalization Theory and Techniques, Part B, American Institute of Real Estate Appraisers (1B-B), Chicago, Illinois
- Advanced Applications, The Appraisal Institute, Chicago, Illinois (550)
- Narrative Report Writing, Society of Real Estate Appraisers, Oakbrook, Illinois (R2)
- Standards of Professional Appraisal Practice, A.I.R.E.A. Educational Center, Chicago, Illinois
- Real Estate Right of Way Acquisition Negotiations, International Right of Way Association, Springfield, Illinois
- Regularly Attend Real Estate Appraisal Seminars

Professional Memberships

- Appraisal Institute – SRA Member, MAI Member
- Illinois Coalition of Appraisal Professionals (ICAP)
- Bloomington-Normal Association of Realtors
- Illinois Association of Realtors
- National Association of Realtors
- International Right of Way Association

Education Certification

As of the date of this report, I, W. Bradley Park, have completed the requirements under the continuing education program of the Appraisal Institute.

Professional Experience

- Past Member of the Board of Directors, Illinois Coalition of Appraisal Professionals
- Past Member of the Board of Directors, Heart of Illinois Chapter, Appraisal Institute
- Past President, Peoria Chapter, Appraisal Institute
- Past Regional Representative, Peoria Chapter, Appraisal Institute
- Past Member of the Professional Practice Committee, Peoria Chapter #28, Society of Real Estate Appraisers
- Past Member of the Regional Panel of Ethics and Counseling Committee, Region 3, Appraisal Institute

Partial List of Clientele

Associated Bank
BroMenn Healthcare
Busey Bank
CEFCU
Central Illinois Bank
Central Illinois Regional Airport
Chase
Citizens Bank of Chatsworth
Citicorp
City of Bloomington
City of Streator
Commerce Bank
Community Bank
DuPage County Bank
First Bank
First Farmers State Bank
First Farmers State Bank of Minier
First Financial Bank
First State Bank of Bloomington
First State Bank of Heyworth
Flanagan State Bank
Freddie Mac
Hanson Engineering
Heartland Bank & Trust Co.
Illini Bank
Illinois Department of Transportation
Illinois State University
Illinois Wesleyan University
McLean County Highway Department
Mortgage Services
Morton Community Bank
PNC Bank
PNC Mortgage
Prairie State Bank
Regions Bank
Revere Mortgage
Sidley Austin LLP
Specia & Ayers
Soy Capital Bank & Trust
Terra Engineering
The John Warner Bank
Town of Normal
Union Bank
US Bank

Partial List of Projects

- Village of Oswego
  - Douglas Road Project from US Route 30 to US Route 34
- Streator, Illinois
  - Broadway Street Viaduct Project
- Illinois Department of Transportation
  - IL Route 47, Yorkville, Kendall County, IL
  - IL Route 47 Expansion Saunemin to Forrest, Livingston County, IL
  - IL route 117 and US Route 150, Goodfield, IL
  - Fox Creek Road/Interstate 74 Bridge Project, Bloomington, IL
  - IL Route 9 Bridge Project, McLean County, IL
  - Interstate 55 at Pipeline Road, Normal, IL
  - Veterans Parkway Expansion, Bloomington-Normal, IL
- McLean County Highway Department
  - Towanda-Barnes Road Project (US Route 150 to IL Route 9)
  - Towanda-Barnes Road Project Phase II (IL Route 9 to Ft Jesse Rd)
  - County Road 2550 North Project
  - Various Small Projects
- LaSalle County Highway Department
  - Bridge Projects
- City of Pontiac
  - Airport Runway Expansion
  - Contaminated Sites at the Vermilion River and Water Street
- Central Illinois Regional Airport
  - Various Projects
- City of Bloomington
  - Various Projects
- Town of Normal
  - Various Projects
- City of Fairbury/Department of Natural Resources
  - Various Park Projects
- Terra Engineering
  - IL Route 8, East Peoria, Tazewell County, IL
  - IL Route 178, Utica, LaSalle County, IL
  - IL Route 23, DeKalb, DeKalb County, IL
  - IL Route 47, Yorkville, Kendall County, IL
  - Farmington Road Project, West Peoria, IL
  - Various Small Projects
- Hanson Engineering
  - I-74/I-155, Morton, Tazewell County, IL
  - IL Route 10, Logan County, IL
  - Various Small Projects
- Sidley Austin LLP/Specia & Ayers
  - Enbridge Pipeline Projects
  - Research for Litigation Support

Expert Witness

- McLean County Circuit Clerk
  - Property Settlement
  - Eminent Domain
  - Partition Cases
- Tazewell County
  - Eminent Domain
- DeKalb County
  - Eminent Domain

4.1 INTRODUCTION---------- 4-1
4.2 LOCATION OF 100-YEAR FLOODPLAIN ---------- 4-1
4.3 CONCLUSION ---------- 4-1
4.4 CERTIFICATION ---------- 4-2

APPENDICES

Appendix 4-A: Flood Insurance Rate Map

4. THE FACILITY IS LOCATED OUTSIDE THE BOUNDARY OF THE 100-YEAR FLOODPLAIN OR THE SITE IS FLOODPROOFED

4.1 INTRODUCTION

Compliance with Criterion 4 of Section 39.2 of the Illinois Environmental Protection Act is a requirement for local siting approval for the Henson Recycling Campus Transfer Station siting application.

The Federal Emergency Management Agency (FEMA) publishes Flood Insurance Rate Maps (FIRMs) which have been utilized to confirm the location of the proposed Henson Recycling Campus Transfer Station relative to the 100-year floodplain.

4.2 LOCATION OF 100-YEAR FLOODPLAIN

The most recent Flood Insurance Rate Map (FIRM) for McLean County, Illinois is dated July 16, 2008, panel 17113C0503E. A copy of the FIRM map with the proposed HRC Transfer Station boundary is included in Appendix 4-A.

4.3 CONCLUSION

The proposed Henson Recycling Campus Transfer Station is located outside the 100-year floodplain and thus complies with Criterion 4.

4.4 CERTIFICATION

I hereby certify that all information contained in this Application for Local Siting Approval for Criterion 4 was prepared by me or under my direct supervision, and is true and correct to the best of my knowledge and belief.

Karl W. Finke, P.E.

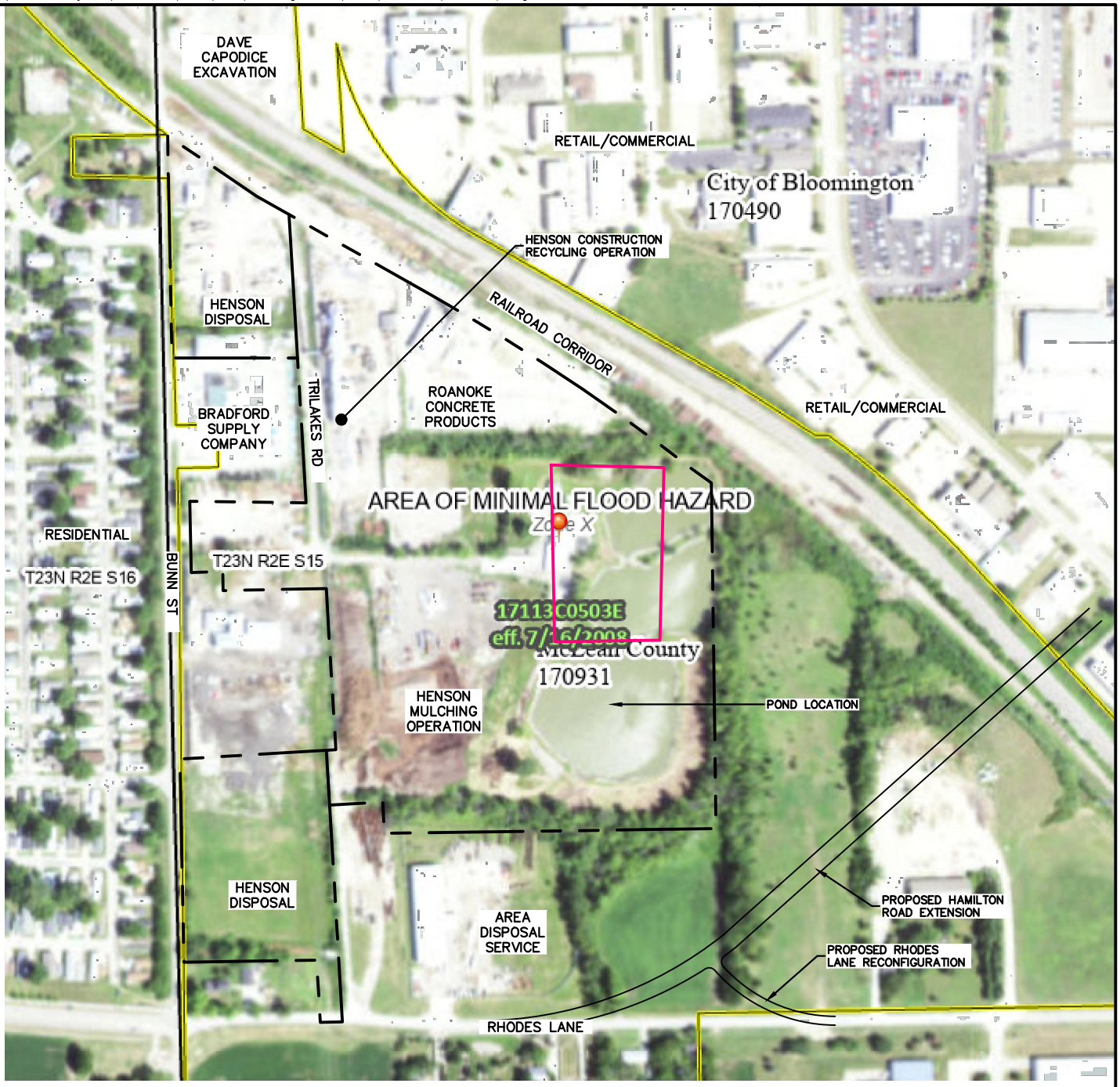
8/16/23
Date

062.068571-IL
Professional Engineering Registration Number and State

APPENDIX 4-A:

FLOOD INSURANCE RATE MAP AND REPORT

Tab: Layout1 Last Saved: August 15, 2023, by Mike Nguyen Plotted: Tuesday, August 15, 2023 11:37:31 AM
C:\Civil 3D Projects\Henson Disposal\DWG\Bloomington TS\2023\Criteria 3\Flood map.dwg



LEGEND

BOUNDARY OF HENSON RECYCLING CAMPUS (HRC)

BOUNDARY OF PROPOSED HRC TRANSFER STATION

N

0 200 400 800

SCALE: IN FEET

ANDREWS ENGINEERING
3300 GINGER CREEK DRIVE
SPRINGFIELD, ILLINOIS 62711-7233
PH (217) 787-2334 WWW.ANDREWS-ENG.COM
PONTIAC, IL • LOMBARD, IL • INDIANAPOLIS, IN • WARRENTON, MO

APPROVED BY: KWF | DESIGNED BY: KWF | DRAWN BY: MPN

FLOOD INSURANCE RATE MAP

PREPARED FOR
LRS HENSON RECYCLING CAMPUS
TRANSFER STATION
BLOOMINGTON, MCLEAN COUNTY, ILLINOIS

DATE: AUGUST 2023

PROJECT ID: 230156/0013

SHEET NUMBER: 1

© 2023 Andrews Engineering, Inc.

5. THE PLAN OF OPERATIONS FOR THE FACILITY IS DESIGNED TO MINIMIZE THE DANGER TO THE SURROUNDING AREA FROM FIRE, SPILLS, OR OTHER OPERATIONAL ACCIDENTS

5.1 INTRODUCTION

This section will detail that the Henson Recycling Campus (HRC) Transfer Station will comply with Criterion 5 of Section 39.2 of the Illinois Environmental Protection Act and is designed to minimize the danger to the surrounding area from fire, spills or other operational accidents.

The HRC Transfer Station "Accident, Fire Protection and Contingency Plan" demonstrates compliance with Criterion 5. The facility is designed to minimize hazards to human health or the environment which may result from a fire, explosion or any unplanned release of non-hazardous waste or raw materials to the air, soil or surface waters from the operations at the facility. The provisions of this plan will be carried out immediately whenever there is a fire, explosion or unplanned release of non-hazardous waste, which could threaten human health or the environment. The Facility "Accident, Fire Protection and Contingency Plan" is included as Appendix 5-A.

The HRC Transfer Station shall be covered by a Fire Rover, a dry pipe fire suppression sprinkler system and fire hydrant located immediately to the southeast of the transfer station building. The facility and each piece of equipment will be equipped with fire extinguishers. All flammable liquids will be stored in a fire-resistant cabinet. A box approved by the Fire Department will hold a key to the buildings that can be opened by the Fire Department.

5.2 FIRE PREVENTION AND CONTROL MEASURES

Facility and load inspections shall regularly take place throughout the working day as an important aspect of preventing fires. The following measures shall be implemented to enhance fire prevention within the HRC Transfer Station:

- Incoming loads shall be visually inspected prior to and during discharge from the customer vehicle.
- Smoking loads shall always be immediately reported to the fire department.
- Facility personnel shall be instructed to remain alert for typical signs of fire such as smoke, blistering paint and hot spots on incoming and outgoing vehicles.

A Fire Rover combines twenty-four hours per day, seven days per week remote thermal monitoring, and an automated fire-fighting foam system that can be released quickly if a spike in temperature in the building is detected [https://firerover.com/demo/]. The Fire Rover is used at other facilities throughout Illinois. A dry pipe fire suppression sprinkler system will be installed within the transfer station to help contain and suppress fires that the Fire Rover doesn't extinguish quickly.

In the event of a fire in a load:

- If possible, the vehicle shall not park near other vehicles, persons, buildings or grassy areas. If necessary, the vehicle shall be immediately abandoned.
- Call 911 as soon as possible.
- Direct all vehicle and foot traffic away from the truck.
- If determined safe to do so, without endangering the crew or equipment operator, the load may be discharged and extinguished.
- Attempt to put out the fire with a fire extinguisher. This should only occur if the fire is in the beginning stages.

Facility personnel shall receive training on the proper use of site safety equipment (e.g. fire extinguishers) on an annual basis, at a minimum. Training with the local fire department shall be conducted so that the local firefighters are familiar with the facility. Such training shall be documented and maintained at the scale house.

5.3 SPILL PREVENTION MEASURES

HRC Transfer Station personnel, training and spill/discharge prevention procedures shall include:

i. At a minimum, train facility personnel in the operation and maintenance of equipment to prevent spill or discharges; discharge procedure protocols; applicable pollution control laws, rules, and regulations; general facility operations; and, the contents of the facility Stormwater Pollution Prevention Plan ("SWPPP").
ii. The Transfer Station Manager shall designate an Emergency Coordinator who shall be accountable for spill and discharge prevention and who reports to the Transfer Station Manager.
iii. Schedule and conduct spill and discharge prevention briefings for facility personnel at least once a year to assure adequate understanding of the SWPPP for the HRC Transfer Station.
iv. A spill kit will be stored for quick access in the mechanical room attached to the HRC Transfer Station Building.

5.4 ACCIDENT PREVENTION/RISK MANAGEMENT

The HRC Transfer Station must comply with the Federal Safety and Health Act. As part of this compliance, all employees shall be continually trained and monitored to comply with the following basic safety rules:

1. All accidents and injuries, no matter how minor, must be immediately reported to the Transfer Station Manager.

2. Horseplay, practical jokes, drinking of alcoholic beverages or taking drugs on the job or prior to arrival are grounds for dismissal.
3. No loose clothing or dangling jewelry shall be worn.
4. Personal Protective Equipment (i.e. safety glasses, hard hats, high visibility safety vests and safety shoes/boots) must be worn when working or operating equipment at the facility.
5. Hearing protectors must be used within the transfer station areas of operations and when working around high noise levels.
6. Respirators are only to be used when directed by the Transfer Station Manager and when proper training & pulmonary testing have been accomplished.
7. Wear gloves when handling rough edges, abrasive materials or where hands are subject to cuts, punctures or burns.
8. Do not use defective ladders. Adjust the ladder to the proper angle and height before using. Secure the ladder at the top to prevent falls.
9. Cylinders containing oxygen, acetylene or other gases must be secured in the upright position. Attach caps or gauges.
10. Keep sources of ignition away from flammables. Fire extinguishers are provided for emergency use. Do not tamper with or move extinguishers without authorization.
11. Make certain that safety devices are operative and guards are in place before using power tools, machines or equipment.
12. Use proper lifting technique.
13. Good housekeeping is essential. Employees shall maintain a clean working area.
14. All electric tools, including extension cords, must be properly grounded and color-coded in accordance with the Assured Grounding Program.
15. Observe good personal hygiene habits while working and before eating.
16. Electrical contractors shall remove fuses and lock open or tag boxes or switches before working on any motor or circuit.
17. All equipment must be locked out and tagged before maintenance is performed.
18. Employees shall report all unsafe conditions and/or work practices to the Transfer Station Manager.
19. Employees shall be instructed on the location of and proper operations fire extinguishers.

5.5 OPERATIONAL CONTINGENCY PLAN

The Facility "Accident, Fire Protection and Contingency Plan" (Appendix 5-A) describes the actions facility personnel must take to minimize hazards to human health and the environment in the event of a fire, run-off resulting from a spill, explosion or any unplanned sudden release of non-hazardous waste. The plan is designed to familiarize local emergency response personnel with the type of materials handled and the internal emergency response procedures.

The facility will maintain a variety of emergency response equipment. This equipment will include hand held multipurpose fire extinguishers, spill control equipment, personal protective equipment, heavy equipment capable of spreading clean materials for firefighting and first aid equipment.

A copy of this "Accident, Fire Protection and Contingency Plan" and its revisions will be maintained at the scale house. Copies will be submitted to the local fire and police departments, the Illinois Environmental Protection Agency, and all state and local emergency response teams that may provide emergency services. If the plan fails in an emergency or the emergency coordinators change the plan, the plan will be reviewed and updated within 30 days.

The Facility "Accident, Fire Protection and Contingency Plan" is included as Appendix 5-A.

5.6 CONCLUSION

The HRC Transfer Station application for local siting complies with Criterion 5 of Section 39.2 of the Illinois Environmental Protection Act and is designed to minimize the danger to the surrounding area from fire, spills or other operational accidents.

5.7 CERTIFICATION

I hereby certify that all information contained in this Application for Local Siting Approval for Criterion 5 was prepared by me or under my direct supervision, and is true and correct to the best of my knowledge and belief.

Karl W. Finke, P.E.

8/16/23
Date

062.068571-IL
Professional Engineering Registration Number and State

APPENDIX 5-A:

ACCIDENT, FIRE PREVENTION AND CONTINGENCY PLAN

TABLE OF CONTENTS

1. INTRODUCTION 1

2. GENERAL FACILITY DESCRIPTION 1

3. EMERGENCY COORDINATOR 1

4. EVACUATION PLAN 1

5. EMERGENCY PROCEDURES 2

5.1 Fire 2

5.1.1 Small Fire 2

5.1.2 Large Fire 3

5.2 Run-Off 3

5.3 Explosion 3

5.4 Spills 3

5.5 Medical Emergencies 4

5.6 Severe Weather Episodes 5

6. RESUMPTION OF OPERATIONS 5

7. PREPAREDNESS AND PREVENTION 5

7.1 Communications 5

7.2 Emergency Equipment 5

ATTACHMENTS

Attachment 1: List of Emergency Coordinators
Attachment 2: Evacuation Routes
Attachment 3: Emergency Numbers

1. INTRODUCTION

This Contingency Plan is designed to minimize hazards to human health or the environment which may result from a fire, run-off contaminants resulting from fires, explosion or any unplanned release of non-hazardous waste or raw materials to the air, soil or surface waters from the operations at this HRC Transfer Station ("facility"). The provisions of this plan will be carried out immediately whenever there is a fire, run-off resulting from a fire, explosion, or unplanned release of non-hazardous waste which could threaten human health or the environment.

In addition, the plan describes the actions facility personnel must take to minimize hazards to human health and the environment in the event of a fire, run-off resulting from a spill, explosion or any unplanned sudden release of non-hazardous waste. The plan is also designed to familiarize local emergency response personnel with the type of materials handled and the internal emergency response procedures.

A copy of this Contingency Plan and its revisions will be maintained at the facility office. Copies will be submitted to the local fire and police departments, the IEPA, and all state and local emergency response teams that may provide emergency services. If the plan fails in an emergency or the emergency coordinators change the plan, the plan will be reviewed and updated within 30 days.

2. GENERAL FACILITY DESCRIPTION

The facility will be located at the end of the proposed HDI Court in unincorporated McLean County, Illinois. The facility will be a transfer station engaged in the acceptance and transfer of non-hazardous residential and commercial solid waste. The facility does not accept hazardous waste.

3. EMERGENCY COORDINATOR

At all times, there will be at least one employee on call (i.e. available to respond to an emergency by reaching the facility within a short period of time), with the responsibility for coordinating all emergency response measures. This person shall be known as the "Emergency Coordinator" and shall be thoroughly familiar with all aspects of the facility's Contingency Plan, all operations and activities at the facility, and the facility layout. In addition, this person will have the authority to commit the resources necessary to carry out the Contingency Plan.

4. EVACUATION PLAN

Dependent upon the type of emergency and the characteristics of the material involved, the Emergency Coordinator will determine if the evacuation of the facility is necessary. In the event that evacuation is required, facility personnel and visitors will be notified by means of a two-way radio, phone or by runners.

In the event of an emergency, which requires evacuation, each employee is responsible for shutting down his or her operations, provided that this can be done in a safe manner. Personnel and visitors will proceed to the designated rally point, where they will be accounted for and provided with further instructions. The Emergency Coordinator is responsible for accounting for all personnel and visitors to ensure that no one remains inside the facility. A facility layout, which indicates primary evacuation routes, is provided as Attachment 2 to this plan.

The Emergency Coordinator will obtain rescue services for injured personnel, if required. If the situation requires it, the Emergency Coordinator will inform police and fire officials that their assistance is needed. Decisions to evacuate the area surrounding the facility remain with the governmental agencies. A list of emergency phone numbers is provided in Attachment 3 to this plan. This list will be posted near all telephones at the facility.

5. EMERGENCY PROCEDURES

In the event of an imminent or actual emergency situation, the Emergency Coordinator (or designate) will immediately notify all facility personnel and visitors via two-way radios, phone or by runners.

5.1 Fire

Fire prevention at this facility includes: storage of all flammable materials in a fire resistant cabinet; all tires are stored no less than 250 feet from potential ignition sources, including cutting and welding equipment devices, and open fires; fire extinguishers are installed and (tested annually or as needed) on all pieces of equipment; all wastes are screened to ensure that flammable materials are not accepted; and all employees are trained on fire safety.

Depending on the magnitude of the fire incident and the amount and characteristics of the material involved, the following procedures will be implemented:

5.1.1 Small Fire

In the event of a small fire in a contained area which can be readily controlled, facility personnel will attempt to extinguish the fire utilizing fire extinguishers, water from a hydrant, or the automated Fire Rover if inside the building. Care will be given to ensure that a route of egress is always available during such response activities. In addition, all personnel who are not essential to the response activity will evacuate the immediate area.

In the event that personnel are unable to immediately extinguish the fire, they will leave the area and follow the procedures detailed below for a large fire. If personnel are able to extinguish the fire, they will then eliminate and continue to restrict all sources of ignition so that the fire will not re-ignite.

5.1.2 Large Fire

In the event of a large fire, personnel will ensure that employees and visitors are notified to evacuate the affected area. Office personnel will contact the Bloomington Township Fire Protection District. In the event that the office must be evacuated, this notification will be made from a cell phone or business located near the facility. If the large fire is within the transfer station building, the automated Fire Rover and dry pipe fire suppression sprinkler system will be activated.

Upon arrival of the fire department, primary responsibility shall be designated to them. The Emergency Coordinator and facility personnel will stand by to offer assistance as deemed necessary.

5.2 Run-Off

In the event of run-off from a fire, the Emergency Coordinator will be advised of the situation. The Emergency Coordinator will assess possible hazards to human health and the environment by considering both direct and indirect effects of the run-off and will summon assistance from the Transfer Station Manager. All applicable federal, state, and local regulations will be followed. In the event that outside contractors are necessary to serve as backup for emergency response, it will be the responsibility of the Emergency Coordinator to make these arrangements.

Based upon the characteristics and extent of the run-off, the Emergency Coordinator will designate the proper personal protective equipment to be utilized in the response. Designated personnel will don the appropriate personal protective equipment and will attempt to stop the run-off where possible.

All boots, gloves, and other non-disposable personal protective equipment and response equipment shall be cleaned and restored to the pre-use condition and returned to their original location. Any containers of waste generated in the cleanup effort will be labeled in accordance with applicable regulations. Response personnel will be careful to observe proper hygiene procedures during personal protective equipment decontamination.

5.3 Explosion

In the event of an explosion at the facility, all personnel and visitors will immediately evacuate the facility and proceed to the rally point. In the event of an explosion that involves a fire, the procedures outlined above for a large fire will be followed.

5.4 Spills

The most common spill that will occur is a petroleum product spill. For small spills, 15 gallons or less, facility personnel will clean up the spill using absorbent materials and dispose of the material properly.

Small spills will not require the implementation of the Contingency Plan provided they are contained on the site and do not affect surface waters, drainage ditches or groundwater. A spill kit will be kept in the mechanical room which is attached to the south side of the HRC Transfer Station building for quick access. Fire extinguishers and clean cover material will be positioned in the immediate area of the cleanup. Personnel will eliminate and continue to restrict all sources of ignition from the spill area.

In the event of a large spill (generally greater than 15 gallons), or any spill, which results in the contamination of surface waters, or drainage ditches, the Emergency Coordinator will be advised of the situation. The Emergency Coordinator will assess possible hazards to human health and the environment by considering both direct and indirect effects of the release materials and will summon assistance from the Transfer Station Manager. All applicable federal, local, and state regulations will be followed. In the event that outside contractors are necessary to serve as backup for emergency response, it will be the responsibility of the Emergency Coordinator to make these arrangements.

Based upon the characteristics of the material spilled and the extent of the spill, the Emergency Coordinator will designate the proper personal protective equipment to be utilized in the spill response. Designated personnel will don the appropriate personal protective equipment and will attempt to stop the source of the spill where possible.

All boots, gloves, and other non-disposable personal protective equipment and spill response equipment shall be cleaned and restored to the pre-use condition and returned to their original location. Any containers of waste generated in the cleanup effort will be labeled in accordance with applicable regulations. Response personnel will be careful to observe proper hygiene procedures during personal protective equipment decontamination.

5.5 Medical Emergencies

Various medical emergency and first aid equipment will be maintained on site. General response to injuries is as follows:

- the injured person shall not be moved unless there is an immediate danger;
- call for emergency medical care if necessary;
- in the case of chemical exposure, rinse the effected skin or eyes with running water for at least 15 minutes;
- remove and isolate contaminated clothing or shoes;
- administer first aid as appropriate; and
- keep the victim warm and await arrival of the emergency response unit.

5.6 Severe Weather Episodes

In the event of a serve weather episode such as a thunderstorm, tornado, blizzard, etc., it will be the responsibility of the Emergency Coordinator to determine the measures necessary to protect human health at the facility.

6. RESUMPTION OF OPERATIONS

Prior to resuming normal operations, the Emergency Coordinator will ensure that all emergency equipment is cleaned and returned to the proper operating condition.

7. PREPAREDNESS AND PREVENTION

The facility is designed, constructed and operated to minimize the possibility of fire, explosion, or unplanned release of non-hazardous waste or raw material to the air, soil or water.

7.1 Communications

Internal communications are provided by two-way radios, phones or by runners. Warning signs are posted to prevent injury to unauthorized personnel in active areas. Telephones are located at the scale house. These phones may be used to summon emergency assistance from the local police and fire departments.

7.2 Emergency Equipment

The facility maintains a variety of emergency response equipment. This equipment includes hand held multipurpose fire extinguishers, spill control equipment, personal protective equipment and first aid equipment.

ATTACHMENT 1:

LIST OF EMERGENCY COORDINATORS

List of Emergency Coordinators – HRC Transfer Station

Primary Emergency Coordinator		On-Site Back-up Coordinator (Work Hours Only)	
Name:	**Tom Kirk**	**Name:**	**Blake Hadfield**
Title:	**Primary Emergency Coordinator**	**Title:**	**Back-up Coordinator**
Office:	**(309) 261-6893**	**Office:**	**(309) 212-7211**
Cell:	**(309) 261-6893**	**Cell:**	**(309) 212-7211**
Site:	**(309) 829-5022**	**Site:**	**(309) 829-5022**

Corporate Office Emergency Coordinator

Name: **Matthew Marquis**

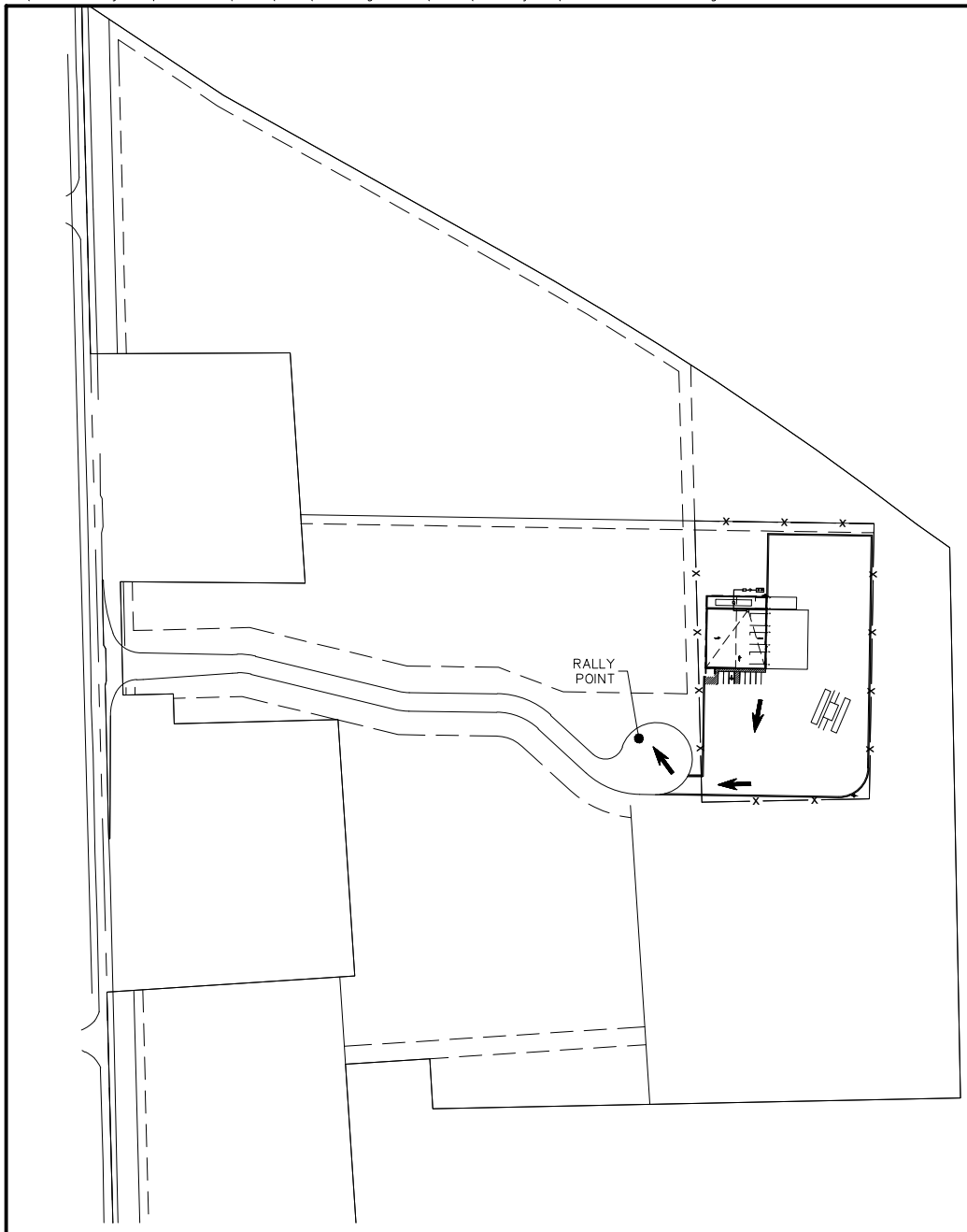
Title: **Vice President of Operations**

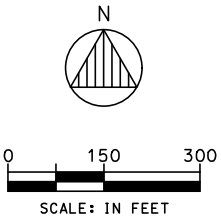
Office: **(844) 633-3577**

ATTACHMENT 2:

EVACUATION ROUTES

Tab: Layout1 Last Saved: August 17, 2023, by Mike Nguyen Plotted: Thursday, August 17, 2023 11:27:29 AM
C:\Civil 3D Projects\Henson Disposal\DWG\Bloomington TS\2023\Site Layout\Evacuation Routes.dwg





PROJECT LOCATION

ANDREWS ENGINEERING
3300 GINGER CREEK DRIVE
SPRINGFIELD, ILLINOIS 62711-7233
PH (217) 787-2334 WWW.ANDREWS-ENG.COM
PONTIAC, IL • LOMBARD, IL • INDIANAPOLIS, IN • WARRENTON, MO

APPROVED BY: KWF	DESIGNED BY: KWF	DRAWN BY: MPN

EVACUTION ROUTES

PREPARED FOR

HENSON DISPOSAL

BLOOMINGTON, MCLEAN COUNTY, ILLINOIS

DATE: AUGUST 2023
PROJECT ID: 230156/0013
SHEET NUMBER: 1

© 2023 Andrews Engineering, Inc.

ATTACHMENT 3:

EMERGENCY NUMBERS

Emergency Numbers – HRC Transfer Station

Bloomington Township Fire Protection:	**911** **(309) 828-4641**
Bloomington Police Department:	**911** **(309) 820-8888**
McLean County Sheriff:	**(309) 888-5030**
OSF St. Joseph Medical Center **2200 E Washington St** **Bloomington, IL 61701-4323**	**(309) 662-3311**

Directions: Head west on HDI Court. Turn right onto Bunn Street. Turn right onto E Oakland Avenue. Turn left onto S Mercer Avenue. Turn right onto E Washington St. OSF St. Joseph Medical Center on left.

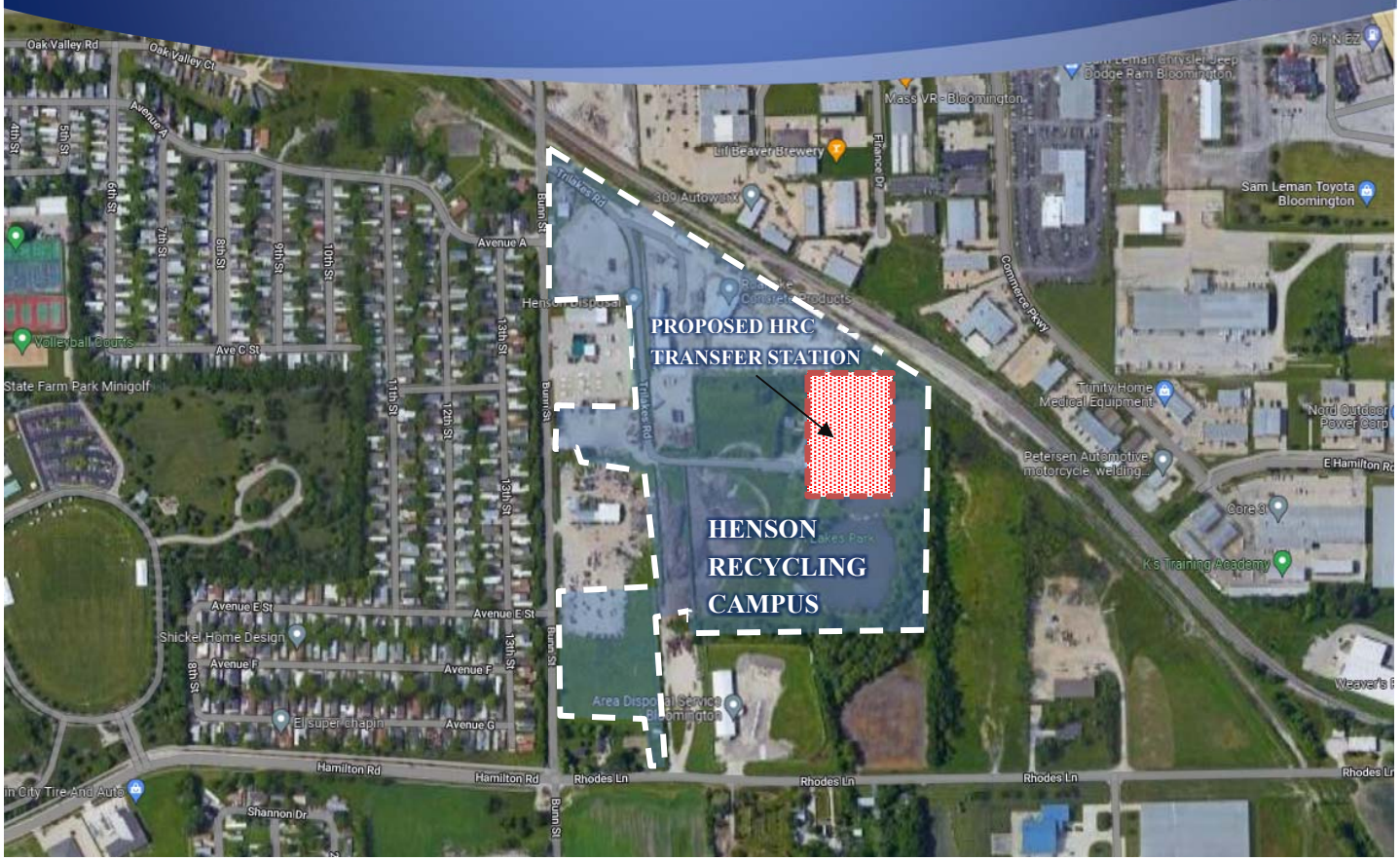
Illinois State Emergency Services and Disaster Agency:	**(217) 782-7860**
Illinois Environmental Protection Agency Emergency Response Center:	**(217) 782-3637**
Bloomington Public Works Underground Dept.:	**(309) 434-2225***
US EPA National Emergency Response Center:	**(800) 424-8802**
OSHA	**(800) 321-OSHA****

***After regular hours for emergency issues, contact Bloomington Police Department.**

****Employers must verbally report to OSHA within eight (8) hours any occupational fatality, or within twenty-four (24) hours after the in-patient hospitalization of one (1) or more employees or an employee's amputation or loss of an eye as a result of a work-related incident.**

Traffic Impact Study
Henson Recycling Campus
Transfer Station

Unincorporated McLean County, Illinois



Prepared For:

LRS LAKESHORE Recycling Systems

KLOA
Kenig, Lindgren, O'Hara, Aboona, Inc.

August 15, 2023

1. Introduction

This report summarizes the methodologies, results, and findings of a traffic impact study conducted by Kenig, Lindgren, O'Hara, Aboona, Inc. (KLOA, Inc.) for a proposed municipal solid waste (MSW) transfer station to be located in unincorporated McLean County, Illinois. The proposed MSW transfer station is to be located at the existing approximately 42-acre Henson Recycling Campus (HRC) that is generally located on the east side of Bunn Street bounded by the Norfolk Southern Railway Company railroad tracks on the north and Rhodes Lane on the south. Currently, the HRC contains the following facilities and operations:

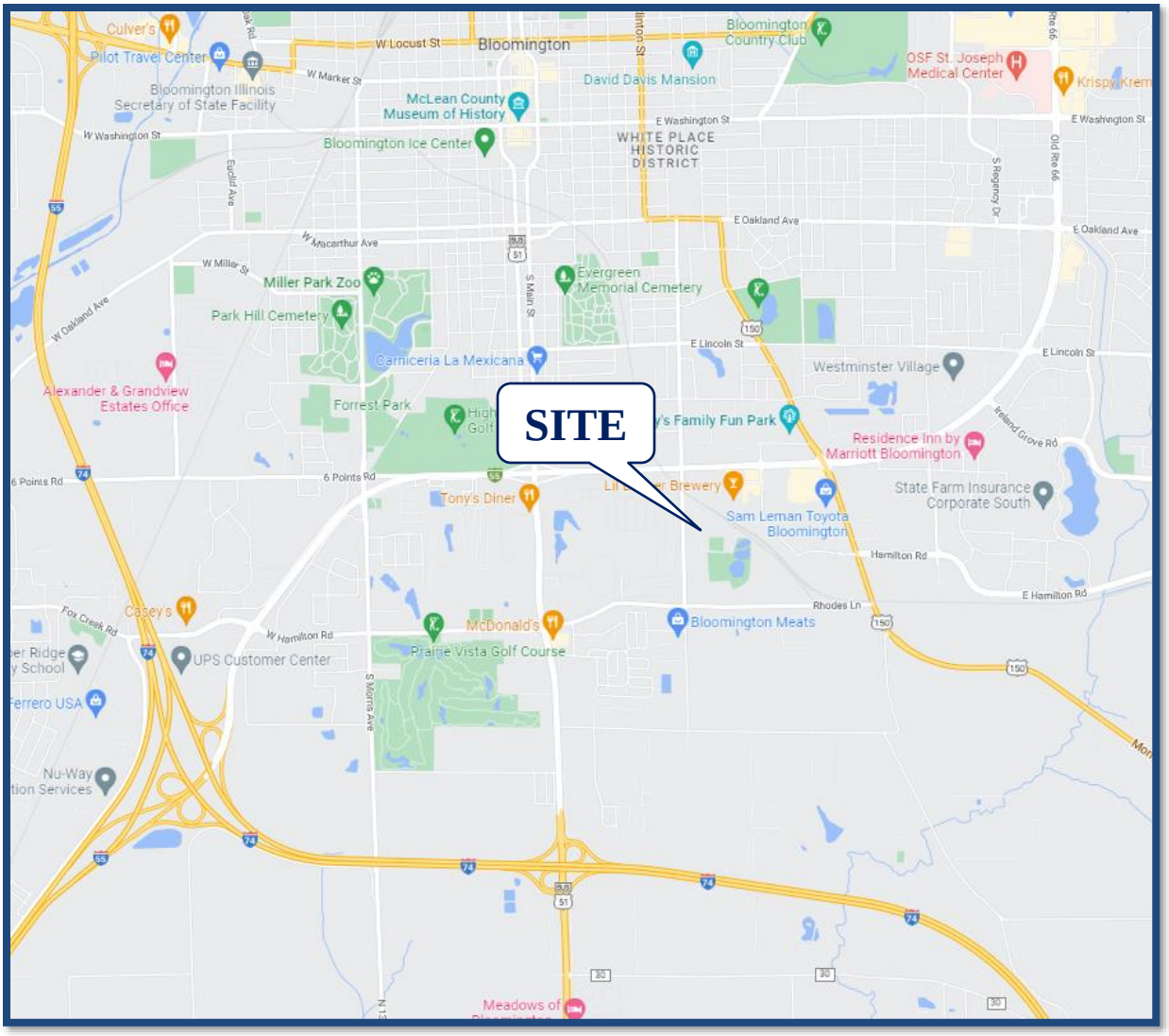
- A general construction or demolition (C & D) recycling facility and concrete recycling operation that processes on average approximately 300 to 400 tons of materials per day.
- A woody waste recycling and mulching operation that generates on average approximately 30 daily single unit truck trips that transport the woody waste to the recycling operation and three daily transfer trailer trips that transport the mulch from the recycling operation.
- A Roanoke Concrete Products facility that produces on average approximately 750 tons of product per day.
- The maintenance and storage of containers and roll-off containers.

Access to the HRC is provided via one private access road (Trilakes Road) and one access drive on Bunn Street and one access drive on Rhodes Lane. **Figure 1** shows the location of the site in relation to the area roadway system. **Figure 2** shows an aerial view of the site.

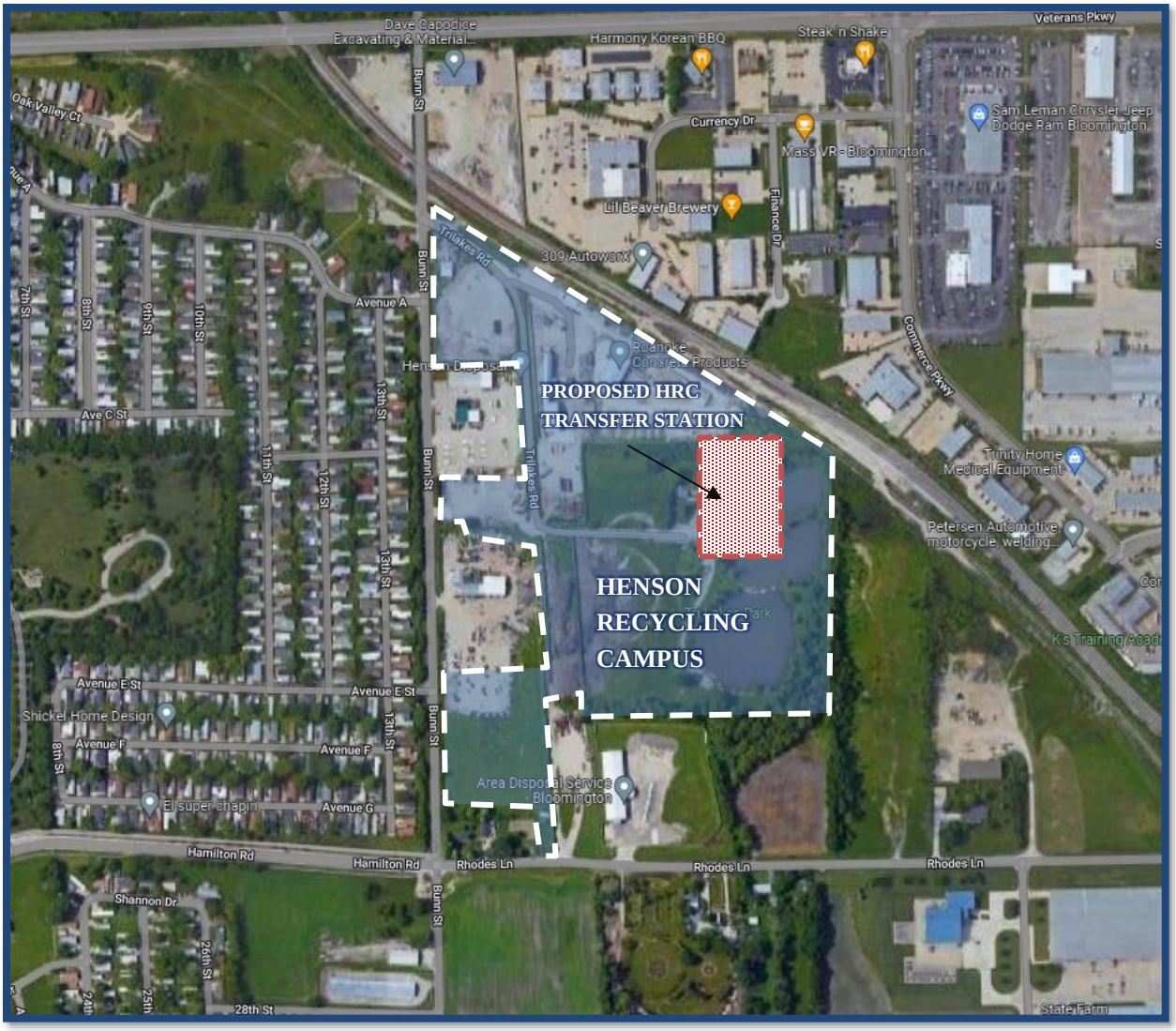
The approximately 3.09 acre Henson Recycling Campus (HRC) Transfer Station is proposed to be located on the east side of the HRC directly south of the Roanoke Concrete Products facility. As proposed, the HRC Transfer Station (or MSW transfer station) is designed to process a maximum of 400 tons of MSW per day and will have a total of five employees. The proposed MSW transfer station is anticipated to receive and transfer waste from 6:00 A.M. to 6:00 P.M. Monday through Friday and 6:00 A.M. to 12:00 P.M. on Saturday. As part of the proposed MSW transfer station, the following modifications are proposed to the HRC internal circulation system:

- The east-west section and the southern portion of the north-south section of Trilakes Road, which is a private road, are proposed to be discontinued. As a result, Trilakes Road is proposed to extend from Bunn Street through the C & D recycling facility to the Roanoke Concrete Products site.
- A new public road is proposed to extend through the HRC in generally an east-west direction from Bunn Street, at the location of the existing southern access drive, to the western boundary of the MSW transfer station site, where it will terminate as a cul-de-sac. As part of the new private road, larger radii will be provided at the intersection to accommodate the turning truck traffic.

Access to the proposed MSW transfer station will be provided via the east-west public road and its intersection with Bunn Street.



Site Location **Figure 1**



Aerial View of Site **Figure 2**

All the MSW will be transported to the proposed MSW transfer station via collection trucks and transported from the proposed MSW transfer station to a distant disposal facility via transfer trailers. Transfer stations provide the means to safely and efficiently transfer MSW from the local collection trucks to transfer trailers, eliminating the need for collection trucks to travel to/from the landfills. It is important to note that transfer trailers transport three to six times the volume of MSW transported by collection trucks.

As is the case with any development, waste transfer stations do result in an increase in traffic in the immediate vicinity of the site. However, the volume of traffic generated in any one time period is limited as the traffic generated by a waste transfer station is distributed throughout the day. Furthermore, the peak traffic periods of waste transfer stations generally occur during the late morning and early afternoon, which do not coincide with the critical morning commuter peak hour of traffic on the existing roadway system. Therefore, waste transfer stations typically generate a low volume of traffic during the critical morning commuter peak period, when traffic on the roadway system is at its highest levels.

KLOA, Inc. was asked to conduct this study to address the sixth siting criterion provided in Section 39.2 of the Illinois Environmental Protection Act. That criterion reads as follows: "The traffic patterns to or from the facility are so designed as to minimize the impact on existing traffic flows." Based on our review of the information described below, KLOA, Inc. has determined that the proposed MSW transfer station will comply with that siting criterion.

The sections of this report present the following:

- Existing roadway conditions
- A description of the proposed MSW transfer station and its operation
- Directional distribution of the traffic generated by the proposed MSW transfer station
- Vehicle trip generation for the proposed MSW transfer station
- Future traffic conditions including access to the proposed MSW transfer station
- Traffic analyses for the weekday morning and evening peak hours
- Recommendations with respect to adequacy of the site access and adjacent roadway system

Traffic capacity analyses were conducted for the weekday morning and evening peak hours for the following conditions:

1. Year 2022 Existing Conditions - Analyzes the capacity of the existing roadway system using existing peak hour traffic volumes in the surrounding area.

2. Year 2041 No-Build Conditions – Analyzes the capacity of the roadway system using projected traffic volumes that include the existing traffic volumes, ambient traffic growth, and the redistribution of traffic to account for the Hamilton Road East-West Connection.

3. Year 2041 Total Conditions – Analyzes the capacity of the roadway system using projected traffic volumes that include the existing traffic volumes, ambient traffic growth, the redistribution of traffic to account for the Hamilton Road East-West Connection, and the traffic estimated to be generated by the proposed MSW transfer station.

2. Existing Conditions

Existing traffic and roadway conditions were documented based on field visits and traffic counts conducted by KLOA, Inc. The following provides a description of the geographical location of the site and a detailed description of the physical characteristics of the roadways including geometry and traffic control, adjacent land uses, and peak hour traffic flows along area roadways.

Site Location

The proposed MSW transfer station is to be located at the existing HRC that is generally located on the east side of Bunn Street bounded by the Norfolk Southern Railway Company railroad tracks on the north and Rhodes Lane on the south. Currently, the HRC contains the following facilities and operations:

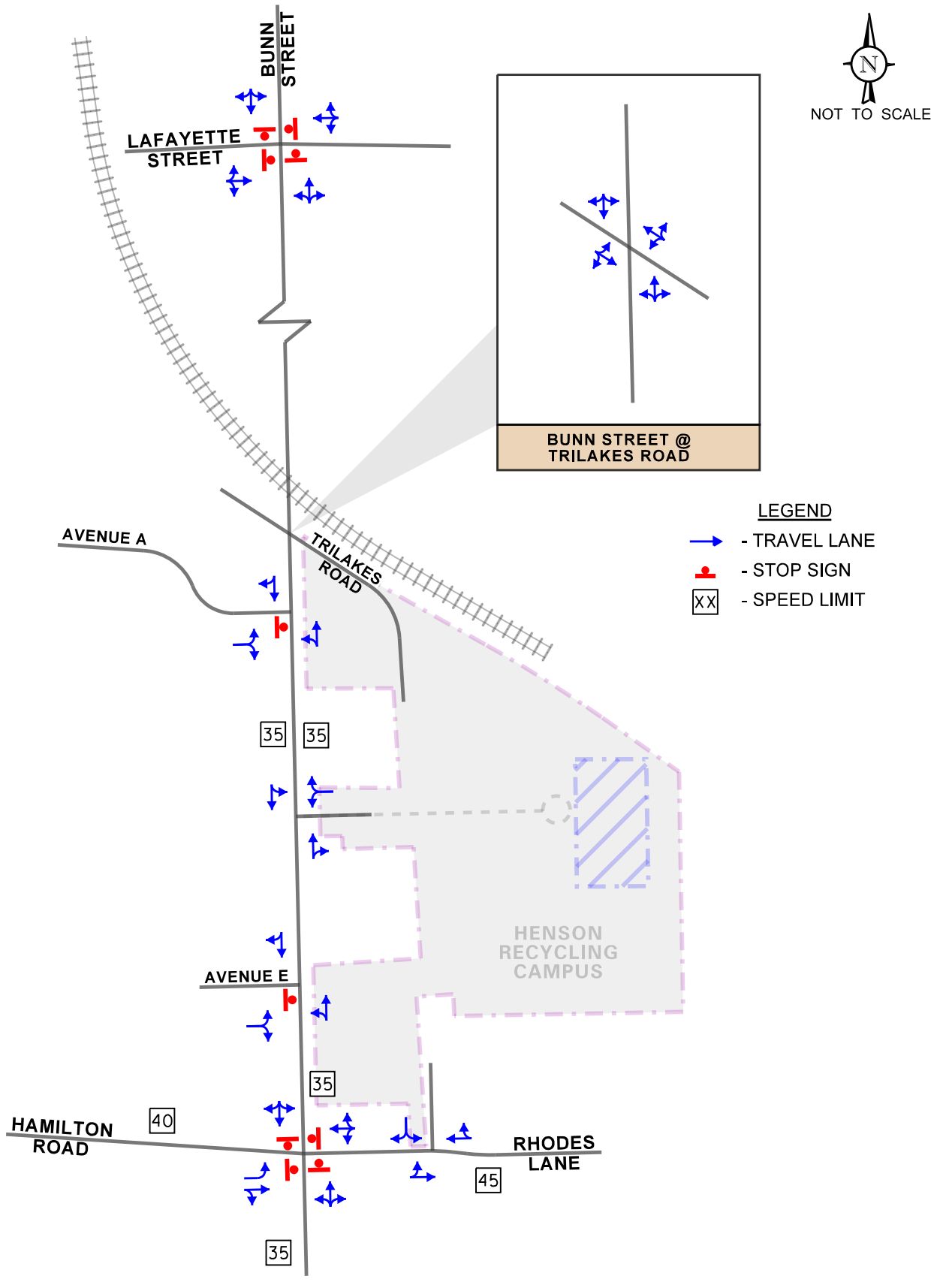
- A general construction or demolition (C & D) recycling facility and concrete recycling operation that processes on average approximately 300 to 400 tons of materials per day.
- A woody waste recycling and mulching operation that generates on average approximately 30 daily single unit truck trips that transport the woody waste to the recycling operation and three daily transfer trailer trips that transport the mulch from the recycling operation.
- A Roanoke Concrete Products facility that produces on average approximately 750 tons of product per day.
- The maintenance and storage of containers and roll-off containers.

Land uses in the area include industrial, warehouse, and construction uses to the north and east, vacant undeveloped land to the east and south, and the Hilltop Mobile Homes development to the west.

Existing Roadway System Characteristics

The characteristics of the existing roadways that serve the HRC site are illustrated in **Figure 3** and described below.

Bunn Street is a north-south, major collector road north of Hamilton Road/Rhodes Lane and a minor collector road south of Hamilton Road/Rhodes Lane. It has one lane in each direction and a grade separated intersection (underpass) with Veterans Parkway and an at-grade railroad crossing with the Norfolk Southern Railway Company railroad tracks. The at-grade railroad crossing is designed with flashing warning lights, crossbuck signs, and stop bars. The intersections of Bunn Street/Hamilton Road/Rhodes Lane and Bunn Street/Lafayette Street are under all-way stop sign control. Within the vicinity of the site Bunn Street, is under the jurisdiction of the City of Bloomington, has a posted speed limit of 35 mph, and has an Average Annual Daily Traffic (AADT) volume between 2,650 and 2.800 vehicles (IDOT 2021) north of Hamilton Road/Rhodes Lane and 1,400 vehicles (IDOT 2021) south of Hamilton Road/Rhodes Lane.



Henson Recycling Campus
Transfer Station
McLean County, Illinois

Existing Roadway Characteristics

KLOA
Kenig,Lindgren,O'Hara,Aboona,Inc.

Job No: 22-092 Figure: 3

Hamilton Road is generally an east-west, minor arterial roadway that terminates at its intersection with Bunn Street where it is aligned opposite Rhodes Lane. Within the vicinity of the site, Hamilton Road has two lanes in each direction. At its all-way stop sign controlled intersection with Bunn Street and Rhodes Lane, the eastbound approach of Hamilton Road has a separate left-turn lane and a shared through/right-turn lane. Hamilton Road is under the jurisdiction of the City of Bloomington, has a posted speed limit of 40 mph, and has an AADT of 4,350 vehicles (IDOT 2021).

Rhodes Lane is an east-west, minor arterial roadway that terminates at its intersection with Bunn Street where it is aligned opposite Hamilton Road. Within the vicinity of the site, Rhodes Lane has one lane in each direction. At its all-way stop sign controlled intersection with Bunn Street and Hamilton Road, the westbound approach of Rhodes Lane has a separate left-turn lane and a shared through/right-turn lane. Rhodes Lane is under the jurisdiction of the City of Bloomington and Bloomington City Township, has a posted speed limit of 45 mph, and has an AADT of 3,700 vehicles (IDOT 2021).

Lafayette Street is an east-west, major collector road east of Bunn Street and a minor collector road west of Bunn Street. It has one lane in each direction with its intersection with Bunn Street under all-way stop sign control. Lafayette Street is under the jurisdiction of the City of Bloomington and has an AADT of 1,550 vehicles (IDOT 2021) west of Bunn Street and 1,750 vehicles east of Bunn Street (IDOT 2021).

Trilakes Road is a private road that extends through the HRC and has one lane in each direction. At its intersection with Bunn Street, Trilakes Road has a single-lane approach.

Avenue A is generally an east-west, private road that serves the Hilltop Mobile Homes development. It has one lane in each direction with a single-lane approach that is under stop sign control at its intersection with Bunn Street.

Avenue E is generally an east-west, private road that serves the Hilltop Mobile Homes development. It has one lane in each direction with a single-lane approach that is under stop sign control at its intersection with Bunn Street.

Roadway Improvements

The *Hamilton Road East-West Connection* roadway improvement project will link the two existing sections of Hamilton Road. As currently programmed, Hamilton Road is to be extended in generally a northeast-to-southwest direction between the Hamilton Road/Bunn Street intersection and the Hamilton Road/Commerce Parkway intersection. The extension will link the two sections of Hamilton Road and will provide a five-lane cross section with two lanes in each direction and a striped median. In addition, the intersection of Hamilton Road with Bunn Street is proposed to be improved as follows:

- The east and west legs of Hamilton Road will provide a separate left-turn lane, a through lane, and a shared through/right-turn lane.
- The north and south legs of Bunn Street will provide a separate left-turn lane and a shared through/right-turn lane.
- The intersection will be under traffic signal control.

It should be noted that the western portion of Rhodes Lane will be vacated and the road will be realigned to intersect Hamilton Road along the proposed new section. According to the City of Bloomington, the Hamilton Road East-West Connection project is to begin in the spring of 2023 and be substantially completed by the end of 2024.

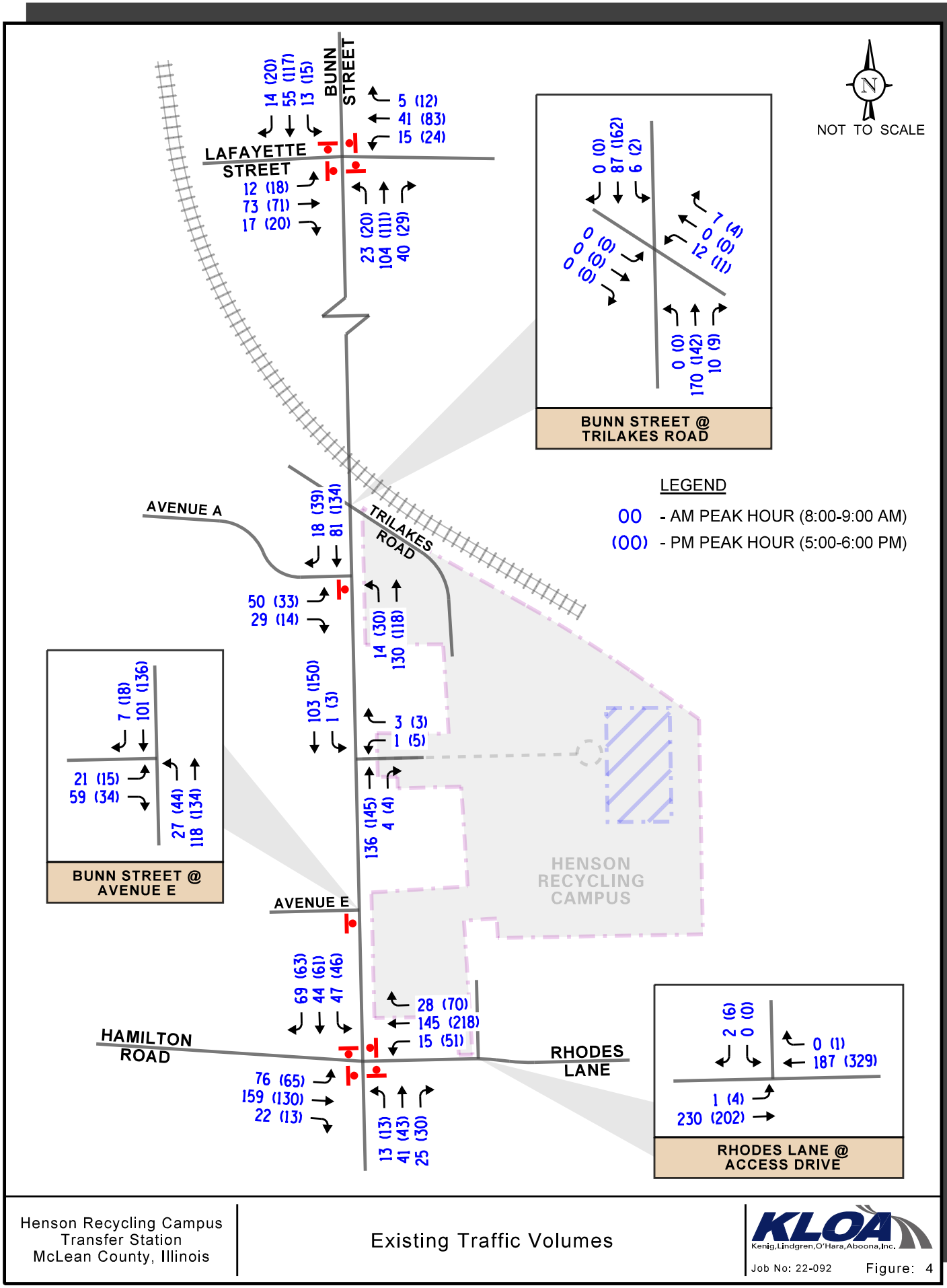
In addition, a multi-use path is proposed to be located along the west side of Bunn Street. As proposed, the multi-use path is to extend from Hamilton Street north to the Norfolk Southern Railway Company railroad tracks where the path will extend along the railroad right-of-way.

Existing Traffic Volumes

In order to determine current traffic conditions in the vicinity of the HRC site, KLOA, Inc. conducted peak period traffic counts at the following intersections:

- Bunn Street with Hamilton Road/Rhodes Lane (Tuesday, April 12, 2022)
- Bunn Street with Avenue E (Tuesday, April 12, 2022)
- Bunn Street with the HRC access drive (Tuesday, April 12, 2022)
- Bunn Street with Avenue A (Tuesday, April 12, 2022)
- Bunn Street with Trilakes Road (Tuesday, April 12, 2022)
- Bunn Street with Lafayette Street (Wednesday, June 22, 2022)
- Rhodes Lane with the HRC access drive (Tuesday, April 12, 2022)

The counts were conducted during the weekday morning (6:00 to 9:00 A.M.) and weekday evening (3:00 to 6:00 P.M.) peak periods. The results of the traffic counts showed that the weekday morning peak hour of traffic occurred from 7:00 to 8:00 A.M. and the evening peak hour of traffic occurred from 4:00 to 5:00 P.M. **Figure 4** illustrates the Year 2022 existing peak hour traffic volumes. Copies of the traffic count summary sheets are included in the Appendix.



Henson Recycling Campus
Transfer Station
McLean County, Illinois

Existing Traffic Volumes

KLOA
Kenig,Lindgren,O'Hara,Aboona,Inc.

Job No: 22-092 Figure: 4

Crash Analysis

KLOA, Inc. obtained crash data for the most recent available past five years (2017 to 2021) for the intersections within the study area, A review of the crash data revealed there were no fatalities reported at any of the intersections during the reviewed period. The following summarizes the number of crashes at each intersection:

- The intersection of Bunn Street with Hamilton Road/Rhodes Lane had a total of five crashes over the five-year period with one crash each in 2017, 2018, and 2020 and two crashes in 2021.
- The intersection of Bunn Street with Avenue E had no crashes over the five-year period.
- The intersection of Bunn Street with Avenue A had a total of one crash (2019) over the five-year period.
- The intersection of Bunn Street with Trilakes Road had a total of one crash (2020) over the five-year period.
- The intersection of Bunn Street with Lafayette Street had a total of five crashes over the five-year period with two crashes in 2017 and one crash each in 2018, 2019, and 2020.

3. Traffic Characteristics of the MSW Transfer Station

To evaluate the impact the proposed MSW transfer station will have on the area roadway system, it was necessary to quantify the number of vehicle trips the proposed MSW transfer station will generate during the weekday morning and evening peak hours and then determine the directions from which this traffic will approach and depart the HRC Transfer Station site.

Existing HRC site

Lakeshore Recycling Systems, LLC (LRS) proposes to develop a MSW transfer station at their existing HRC, which currently contains the following facilities and operations:

- A general construction or demolition (C & D) recycling facility and concrete recycling operation that processes on average approximately 300 to 400 tons of materials per day and has a total of approximately 25 employees. Inbound and outbound access to the C & D recycling facility is generally provided via Trilakes Road and its intersection with Bunn Street.

- A woody waste recycling and mulching operation that generates on average approximately 30 daily single unit truck trips that transport the woody waste to the recycling operation and three daily transfer trailer trips that transport the mulch from the recycling operation. Inbound access to the recycling and mulching operations is provided via the Rhodes Lane access drive and outbound access is provided via the Bunn Street southern access drive.

- A Roanoke Concrete Products facility that produces on average approximately 750 tons of product per day and has a total of approximately 30 employees. Inbound and outbound access to the Roanoke Concrete Products facility is provided via Trilakes Road and its intersection with Bunn Street.

- The maintenance and storage of containers and roll-off containers with inbound and outbound access provided via the Rhodes Lane access drive.

All the current facilities are proposed to continue to operate in generally the same manner with the proposed MSW transfer station.

Proposed MSW Transfer Station

The MSW transfer station is proposed to be located on the east side of the HRC directly south of the Roanoke Concrete Products facility. As proposed, the MSW transfer station is designed to process a maximum of 400 tons of MSW per day and will have a total of five employees. The proposed MSW transfer station is anticipated to receive and transfer waste from 6:00 A.M. to 6:00 P.M. Monday through Friday and 6:00 A.M. to 12:00 P.M. on Saturday.

Proposed Modifications to HRC Circulation System

The following modifications are proposed to the HRC internal circulation system as part of the proposed MSW transfer station:

- The east-west section and the southern portion of the north-south section of Trilakes Road, which is a private road, are proposed to be discontinued. As a result, Trilakes Road is proposed to extend from Bunn Street through the C & D recycling facility to the Roanoke Concrete Products site.

- A new public road is proposed to extend through the HRC in generally an east-west direction from Bunn Street, at the location of the existing southern access drive, to the western boundary of the proposed MSW transfer station site, where it will terminate as a cul-de-sac. As part of the new public road, larger radii will be provided at the private access road intersection with Bunn Street to accommodate the turning truck traffic.

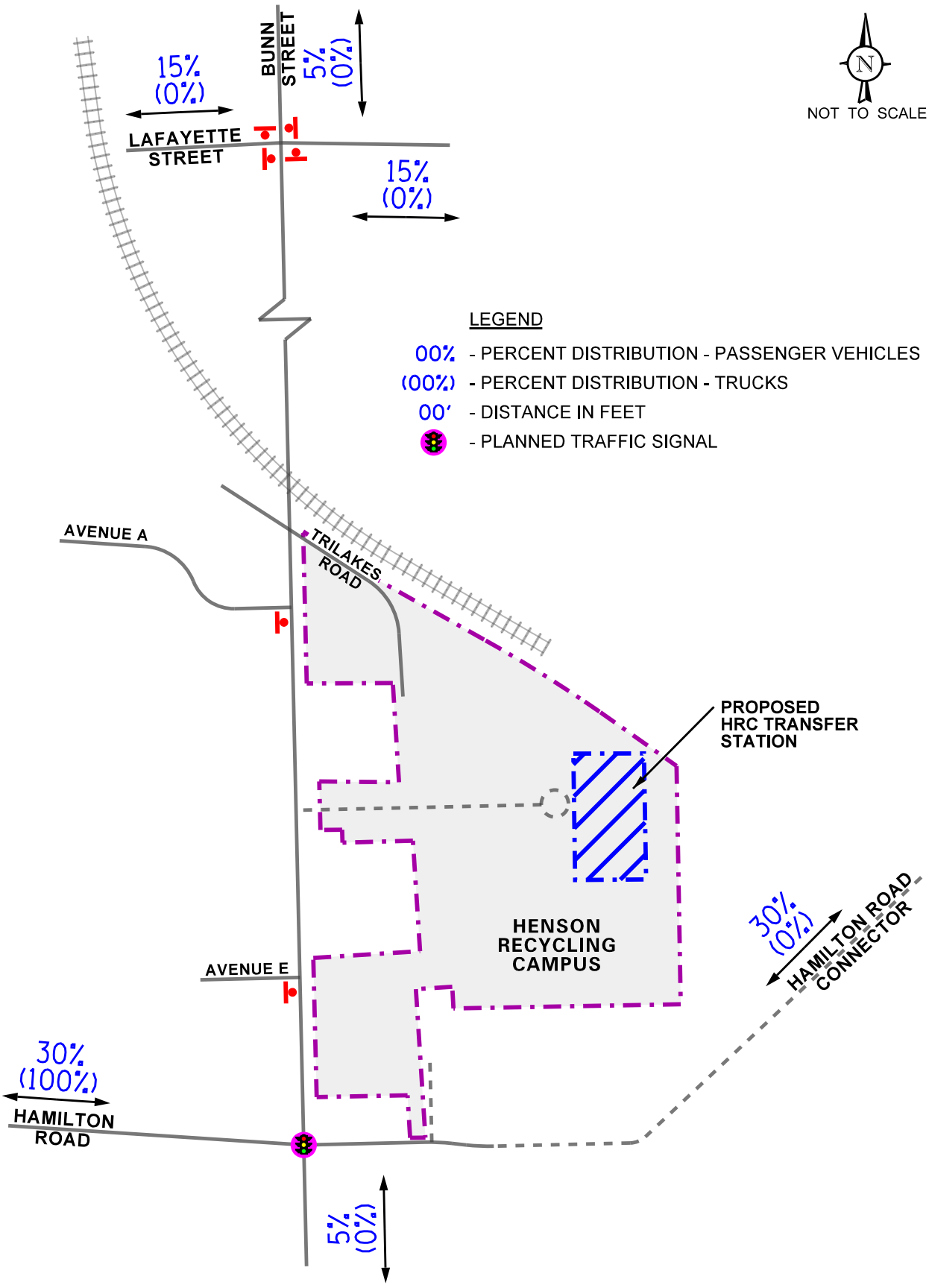
A copy of the HRC Transfer Station proposed site plan and the proposed intersection improvements is located in the Appendix.

Access to the proposed MSW transfer station will be provided via the east-west public road and its intersection with Bunn Street. Trilakes Road will continue to provide inbound and outbound access to the C & D recycling facility, the concrete recycling operation, and Roanoke Concrete Products facility. In addition to serving the proposed MSW transfer station, the new public road will also serve inbound and outbound access to the woody waste recycling and mulching operation. Finally, inbound and outbound access to the site of the maintenance and storage of containers will continue to be provided via the Rhodes Lane access drive.

Directional Distribution

The routes the collection trucks (inbound MSW) will use to travel to and from the proposed MSW transfer station was estimated based on the intended service area of the proposed MSW transfer station and the existing travel patterns, as determined from the traffic counts. LRS officials have indicated that the proposed MSW transfer station will primarily serve the City of Bloomington and adjacent areas, and generally serve all of McLean County.

All the outbound MSW will be transported from the proposed MSW transfer station to a distant disposal facility. **Figure 5** illustrates the estimated directional distribution for the proposed MSW transfer station.



Henson Recycling Campus
Transfer Station
McLean County, Illinois

Directional Distribution

KLOA
Kenig,Lindgren,O'Hara,Aboona,Inc.

Job No: 22-092 Figure: 5

Trip Generation Estimates

The estimated traffic that will be generated by the proposed MSW transfer station was based on the magnitude and character of the proposed facility and its intended service area. As proposed, the facility will accept and transfer a maximum of 400 tons of MSW per day. Further, the facility will have a total of five employees.

Most of the direct haul inbound waste will be transported to the proposed MSW transfer station via four-ton (typical payload) roll-off trucks and eight-ton (typical payload) packer trucks. All the waste will be transported from the proposed MSW transfer station via 24-ton (typical payload) transfer trailers. The estimate of the traffic to be generated by the proposed MSW transfer station was based on the expected daily waste that will be processed and the make-up of the type of traffic that will be transporting the waste.

It is anticipated that with the proposed MSW transfer station will have a total of five employees. Beyond employee and truck traffic, the proposed MSW transfer station will generate several trips per day due to the maintenance/service of the proposed MSW transfer station. It is anticipated that very few, if any, of these vehicles will arrive at or depart from the proposed MSW transfer station during the weekday morning or evening commuter peak hours. To provide a worst-case analysis, it was assumed that all the employees arrive and depart during the peak hours. **Table 1** shows the traffic projected to be generated by the proposed MSW transfer station assuming it accepts 400 tons of MSW per day.

Table 1
PROPOSED MSW TRANSFER STATION PEAK HOUR TRAFFIC VOLUMES

	Morning Peak Hour		Evening Peak Hour	
	Inbound	**Outbound**	**Inbound**	**Outbound**
Direct Haul (Single-Unit Truck)	7	7	4	4
Transfer Trailers (Semi-Trailers)	2	2	1	1
Employees (Passenger Vehicles)	5	0	0	5
Total	**14**	**9**	**5**	10

4. Projected Traffic Conditions

The total projected traffic volumes include the existing traffic volumes, increase in background traffic due to growth, and the traffic estimated to be generated by the proposed subject development.

MSW Transfer Station Traffic Assignment

The estimated weekday morning and evening peak hour traffic volumes that will be generated by the proposed MSW transfer station assuming it processes 400 tons of MSW per day were assigned to the roadway system in accordance with the previously described directional distribution (Figure 5). **Figure 6** illustrates the traffic to be generated by the proposed MSW transfer station.

Year 2041 Background (No-Build) Traffic

To account for an increase in existing traffic related to regional growth in the area (i.e., not attributable to any particular planned development), the redistribution of traffic due to the Hamilton Road East-West Connection project, and the additional traffic generated by the HRC on peak days, Year 2041 background (no-build) traffic volumes were estimated for the study area intersections based on the following:

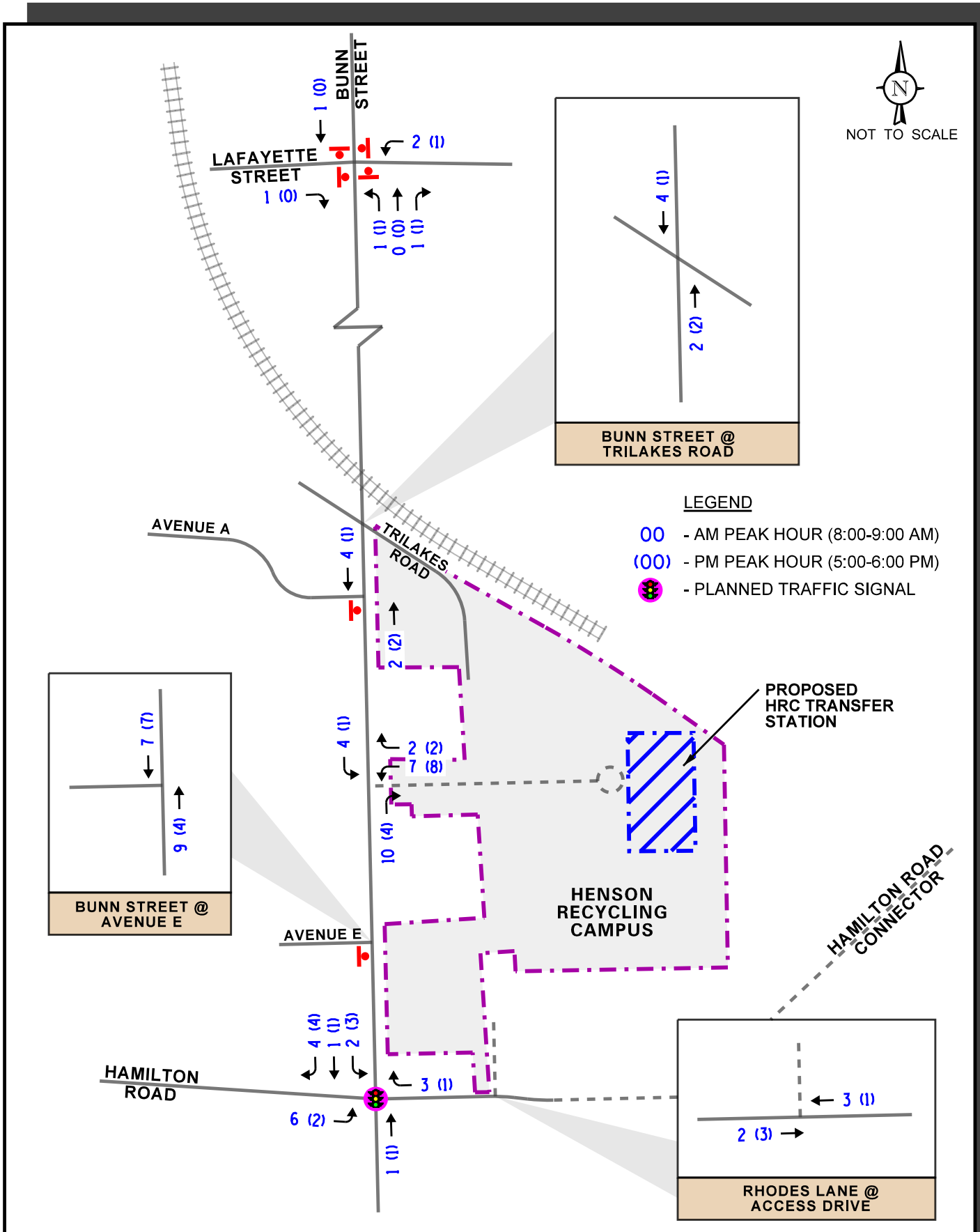
- The Year 2041 projected traffic volumes developed as part of the Hamilton Road East-West Connection engineering plans and presented in the Intersection Design Study (IDS) for the Bunn Street/Hamilton Road intersection. A copy of the Hamilton Road/Bunn Street IDS is included in the Appendix and was prepared by the outside consultant retained by the City of Bloomington for the Hamilton Road East-West Connection project.

- To represent a peak day at the HRC, the existing traffic volumes entering and exiting the HRC were increased by 100 percent.

Figure 7 illustrates the Year 2041 no-build traffic volumes.

Total Projected Traffic Volumes

The additional traffic to be generated by the proposed MSW transfer station assuming it processes 400 tons of MSW per day was added to the Year 2041 no-build traffic volumes to determine the Year 2041 total projected traffic volumes, as shown in **Figure 8**.

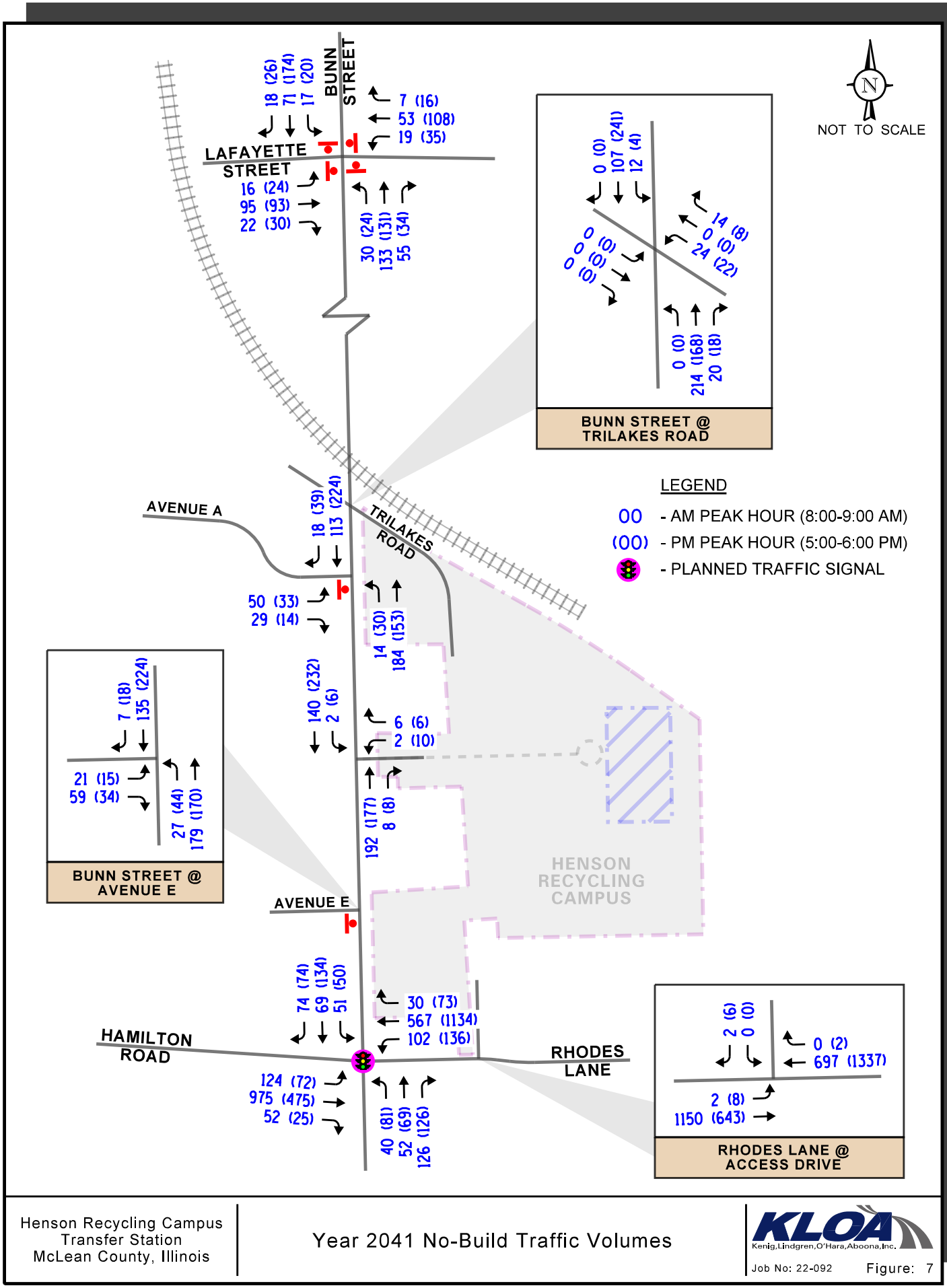


Henson Recycling Campus
Transfer Station
McLean County, Illinois

Site-Generated Traffic Volumes

KLOA
Kenig,Lindgren,O'Hara,Aboona,Inc.

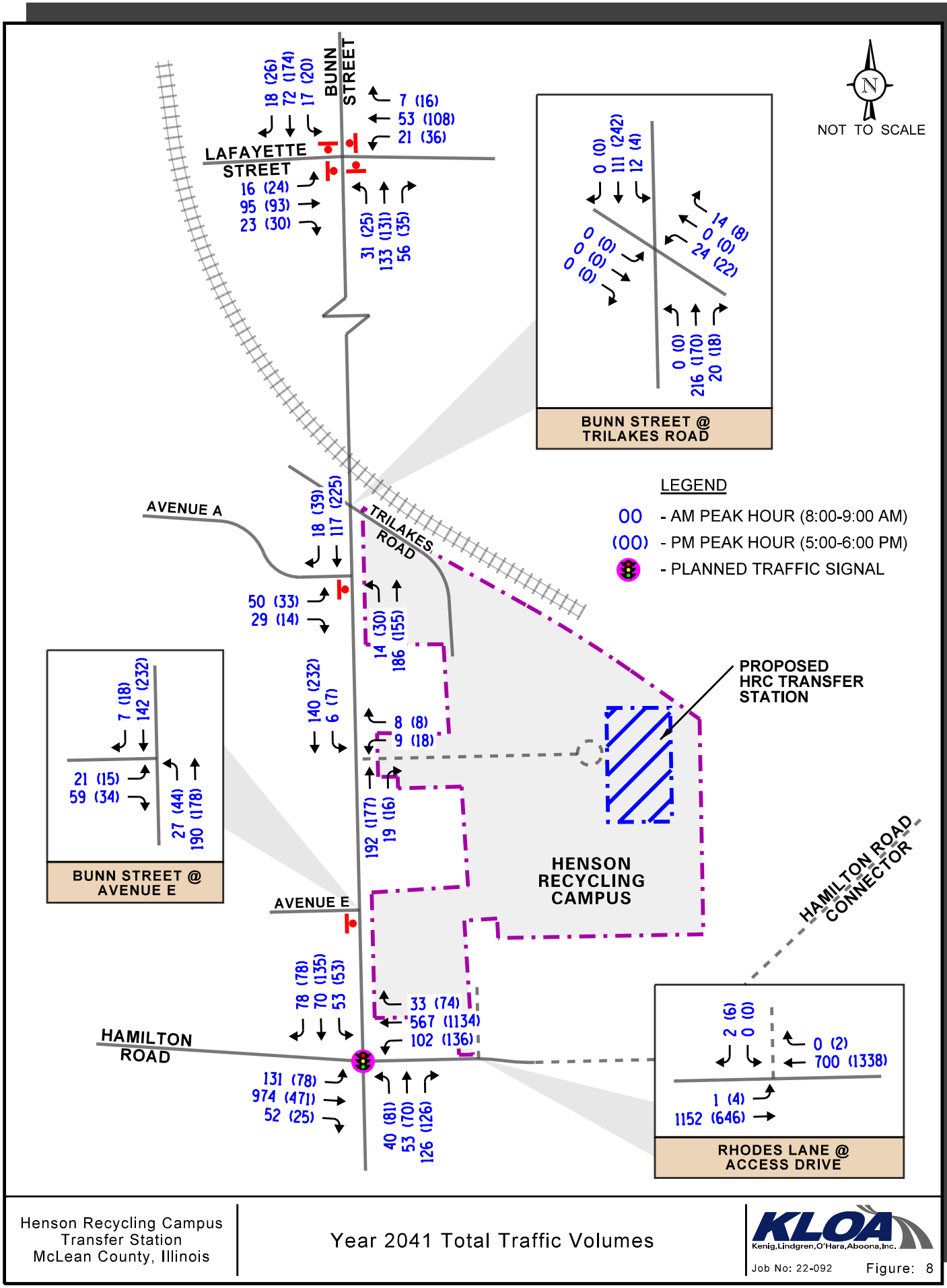
Job No: 22-092 Figure: 6



Henson Recycling Campus
Transfer Station
McLean County, Illinois

Year 2041 No-Build Traffic Volumes

KLOA
Kenig,Lindgren,O'Hara,Aboona,Inc.
Job No: 22-092 Figure: 7



Henson Recycling Campus
Transfer Station
McLean County, Illinois

Year 2041 Total Traffic Volumes

KLOA
Kenig,Lindgren,O'Hara,Aboona,Inc.

Job No: 22-092 Figure: 8

5. Traffic Analysis and Recommendations

The following provides an evaluation conducted for the weekday morning and weekday evening peak hours. The analysis includes conducting capacity analyses to determine how the roadway system and access drives are projected to operate and whether any roadway improvements or modifications are required.

Traffic Analyses

Roadway and adjacent or nearby intersection analyses were performed for the weekday morning and evening peak hours for the existing Year 2022, Year 2041 no-build, and Year 2041 total conditions.

The traffic analyses were performed using the methodologies outlined in the Transportation Research Board's *Highway Capacity Manual (HCM)*, 6th Edition and analyzed using Synchro/SimTraffic 11 software. The analyses for the traffic-signal controlled intersections were accomplished using field measured cycle lengths and phasings to determine the average overall vehicle delay and levels of service.

The analyses for the unsignalized intersections determine the average control delay to vehicles at an intersection. Control delay is the elapsed time from a vehicle joining the queue at a stop sign (includes the time required to decelerate to a stop) until its departure from the stop sign and resumption of free flow speed. The methodology analyzes each intersection approach controlled by a stop sign and considers traffic volumes on all approaches and lane characteristics.

The ability of an intersection to accommodate traffic flow is expressed in terms of level of service, which is assigned a letter from A to F based on the average control delay experienced by vehicles passing through the intersection. The *Highway Capacity Manual* definitions for levels of service and the corresponding control delay for signalized intersections and unsignalized intersections are included in the Appendix of this report.

Summaries of the traffic analysis results showing the level of service and overall intersection delay (measured in seconds) for the existing Year 2022 conditions, Year 2041 no-build conditions, and Year 2041 total conditions are presented in **Tables 2** through **5.** A discussion of the intersections follows. Summary sheets for the capacity analyses are included in the Appendix.

Table 2
CAPACITY ANALYSIS RESULTS – UNSIGNALIZED INTERSECTIONS
YEAR 2022 EXISTING CONDITIONS

Intersection	Weekday Morning Peak Hour		Weekday Evening Peak Hour	
	LOS	Delay	LOS	Delay
Bunn Street with Hamilton Road/Rhodes Lane				
• Intersection	B	10.6	B	11.1
• Northbound Approach	A	9.8	A	9.6
• Eastbound Left Turn	B	10.6	B	10.1
• Eastbound Through/Right Turn	B	10.8	B	10.3
• Westbound Left Turn	A	9.1	A	9.6
• Westbound Through/Right Turn	B	10.9	B	12.9
• Southbound Approach	B	10.7	B	10.6
Bunn Street with Avenue E				
• Eastbound Approach	B	10.2	B	10.1
• Northbound Left Turn	A	7.8	A	7.7
Bunn Street with HRC Southern Access Drive				
• Westbound Approach	B	10.8	B	11.5
• Southbound Left Turn	A	8.7	A	8.6
Bunn Street with Avenue A				
• Eastbound Approach	B	10.2	B	10.8
• Northbound Left Turn	A	7.5	A	7.7
Bunn Street with Trilakes Road				
• Westbound Approach	B	11.9	B	12.3
• Southbound Left Turn	A	8.8	A	8.7
Bunn Street with Lafayette Street				
• Intersection	A	9.3	A	9.3
• Northbound Approach	A	9.6	A	9.4
• Eastbound Approach	A	9.2	A	9.2
• Westbound Approach	A	9.1	A	9.3
• Southbound Approach	A	8.8	A	9.4
Rhodes Lane (Hamilton Road) with HRC Access Drive				
• Southbound Approach	A	9.5	B	12.2
• Eastbound Left Turn	A	9.0	A	9.5

LOS = Level of Service, Delay is measured in seconds

Table 3
CAPACITY ANALYSIS RESULTS – HAMILTON ROAD WITH BUNN STREET – SIGNALIZED

	Peak Hour	Eastbound		Westbound		Northbound		Southbound		Overall
		L	T/R	L	T/R	L	T/R	L	T/R	
Year 2041 No-Build Conditions	Weekday Morning Peak Hour	C 11.9	C 23.7	B 13.1	B 19.5	C 33.2	C 29.1	D 36.9	D 42.9	C 23.6
		C – 22.4		B – 18.6		C – 29.8		D – 41.3		
	Weekday Evening Peak Hour	B 16.2	B 19.4	B 12.2	C 27.1	C 34.1	C 30.1	C 29.7	D 49.7	C 26.8
		B – 19.0		C – 25.6		C – 31.2		D – 45.9		
Year 2041 Projected Conditions	Weekday Morning Peak Hour	B 12.7	C 24.3	B 13.7	C 20.6	C 32.5	C 28.8	D 36.8	D 43.7	C 24.2
		C – 23.0		B – 19.6		C – 29.5		D – 41.9		
	Weekday Evening Peak Hour	B 17.7	B 19.6	B 12.5	C 27.7	C 33.5	C 30.0	C 30.1	D 49.8	C 27.3
		B – 19.3		C – 26.2		C – 31.1		D – 45.9		

Table 4
CAPACITY ANALYSIS RESULTS – UNSIGNALIZED INTERSECTIONS
YEAR 2041 NO-BUILD CONDITIONS

Intersection	Weekday Morning Peak Hour		Weekday Evening Peak Hour	
	LOS	Delay	LOS	Delay
Bunn Street with Avenue E				
• Eastbound Approach	B	10.8	B	10.9
• Northbound Left Turn	A	7.9	A	7.9
Bunn Street with HRC Southern Access Drive				
• Westbound Approach	B	11.6	B	12.7
• Southbound Left Turn	A	9.0	A	8.8
Bunn Street with Avenue A				
• Eastbound Approach	B	10.9	B	12.0
• Northbound Left Turn	A	7.6	A	7.9
Bunn Street with Trilakes Road				
• Westbound Approach	B	13.3	B	14.2
• Southbound Left Turn	A	9.1	A	8.8
Bunn Street with Lafayette Street				
• Intersection	B	10.2	B	11.1
• Northbound Approach	B	10.9	B	11.0
• Eastbound Approach	B	10.1	B	10.7
• Westbound Approach	A	9.7	B	11.0
• Southbound Approach	A	9.5	B	11.6
Rhodes Lane (Hamilton Road) with HRC Access Drive				
• Southbound Approach	B	11.3	C	23.2
• Eastbound Left Turn	B	14.8	D	27.8

LOS = Level of Service
Delay is measured in seconds

Table 5
CAPACITY ANALYSIS RESULTS – UNSIGNALIZED INTERSECTIONS
YEAR 2041 TOTAL CONDITIONS

Intersection	Weekday Morning Peak Hour		Weekday Evening Peak Hour	
	LOS	Delay	LOS	Delay
Bunn Street with Avenue E				
• Eastbound Approach	B	10.9	B	11.1
• Northbound Left Turn	A	7.9	A	7.9
Bunn Street with HRC Southern Access Drive				
• Westbound Approach	B	12.6	B	13.2
• Southbound Left Turn	A	9.0	A	8.8
Bunn Street with Avenue A				
• Eastbound Approach	B	10.9	B	12.1
• Northbound Left Turn	A	7.6	A	7.9
Bunn Street with Trilakes Road				
• Westbound Approach	B	13.4	B	14.2
• Southbound Left Turn	A	9.1	A	8.8
Bunn Street with Lafayette Street				
• Intersection	B	10.4	B	11.2
• Northbound Approach	B	11.2	B	11.2
• Eastbound Approach	B	10.2	B	10.8
• Westbound Approach	A	9.9	B	11.1
• Southbound Approach	A	9.6	B	11.7
Rhodes Lane (Hamilton Road) with HRC Access Drive				
• Southbound Approach	B	11.3	C	23.2
• Eastbound Left Turn	B	14.8	D	27.1

LOS = Level of Service
Delay is measured in seconds

Discussion and Recommendations

The following summarizes how the intersections currently and are projected to operate and identifies any roadway and/or traffic control improvements necessary to accommodate the development traffic.

Bunn Street with Hamilton Road/Rhodes Lane

The results of the capacity analysis indicate that this all-way stop sign controlled intersection currently operates at an overall Level of Service (LOS) B during the weekday morning and weekday evening peak hours. In addition, all the approaches and movements operate at LOS B or better during both peak hours.

As part of the Hamilton Road East-West Connection project, this intersection is proposed to be improved as follows:

- The east and west legs of Hamilton Road will provide a separate left-turn lane, a through lane, and a shared through/right-turn lane.
- The north and south legs of Bunn Street will provide a separate left-turn lane and a shared through/right-turn lane.
- The intersection will be under traffic signal control.

Assuming the projected Year 2041 no-build traffic volumes and the Year 2041 total traffic volumes and the proposed improvements, this signalized intersection is projected to operate at LOS C during the weekday morning and weekday evening peak hours. Further, all movements are projected to operate at LOS D or better during both peak hours. As such, the intersection has sufficient reserve capacity to accommodate the traffic to be generated by the proposed MSW transfer station and no additional geometric improvements and/or traffic control modifications are required.

Bunn Street with Lafayette Street

The results of the capacity analysis indicate that this all-way stop sign controlled intersection currently operates at an overall LOS A during the weekday morning and weekday evening peak hours. In addition, all the approaches operate at LOS A during both peak hours. Assuming the projected Year 2041 no-build conditions and the Year 2041 total conditions, this intersection is projected to operate at LOS B during the weekday morning and weekday evening peak hours. Further, all the approaches are projected to operate at LOS B or better during both peak hours. As such, the intersection has sufficient reserve capacity to accommodate the traffic to be generated by the proposed MSW transfer station and no geometric improvements and/or traffic control modifications are required.

Bunn Street with Avenue A

The results of the capacity analysis indicate that all the critical movements at this unsignalized intersection currently operate at LOS B or better during the weekday morning and weekday evening peak hours. Assuming the projected Year 2041 no-build conditions and the Year 2041 total conditions, all the critical movements at this intersection are projected to continue to operate at LOS B or better during both peak hours. As such, the intersection has sufficient reserve capacity to accommodate the traffic to be generated by the proposed MSW transfer station and no geometric improvements and/or traffic control modifications are required.

Bunn Street with Avenue E

The results of the capacity analysis indicate that all the critical movements at this unsignalized intersection currently operate at LOS B or better during the weekday morning and weekday evening peak hours. Assuming the projected Year 2041 no-build conditions and the Year 2041 total conditions, all the critical movements at this intersection are projected to continue to operate at LOS B or better during both peak hours. As such, the intersection has sufficient reserve capacity to accommodate the traffic to be generated by the proposed MSW transfer station and no geometric improvements and/or traffic control modifications are required.

Bunn Street with Trilakes Road

The results of the capacity analysis indicate that all the critical movements at this unsignalized intersection currently operate at LOS B or better during the weekday morning and weekday evening peak hours. Assuming the projected Year 2041 no-build conditions and the Year 2041 total conditions, all the critical movements at this intersection are projected to continue to operate at LOS B or better during both peak hours. As such, the intersection has sufficient reserve capacity to accommodate the traffic to be generated by the proposed MSW transfer station and no geometric improvements and/or traffic control modifications are required.

Bunn Street with HRC Southern Access Drive/Private Road

The results of the capacity analysis indicate that all the critical movements at this unsignalized intersection currently operate at LOS B or better during the weekday morning and weekday evening peak hours. Assuming the projected Year 2041 no-build conditions, all the critical movements at this intersection are projected to continue to operate at LOS B or better during both peak hours.

With the development of the proposed MSW transfer station, a new public road is proposed to extend through the HRC in generally an east-west direction from Bunn Street, at the location of the existing southern access drive, to the western boundary of the proposed MSW transfer station site, where it will terminate as a cul-de-sac. As part of the new private road, larger radii will be provided at the public road's intersection with Bunn Street to accommodate the turning truck traffic. The projected traffic volumes at the Bunn Street/public road intersection were evaluated based on the left-turn lane and right-turn lane warrants provided in the Illinois Department of Transportation (IDOT) *Bureau Deign and Environment* (BDE) Manual. The results of the evaluation showed that a separate left-turn lane or a separate right-turn lane are **not** warranted on Bunn Street serving the access drive (see Appendix). The public road will serve the proposed MSW transfer station and the woody waste recycling and mulching operation.

Assuming the projected Year 2041 total conditions, all the critical movements at this intersection are projected to continue to operate at LOS B or better during both peak hours. As such, with the proposed improvements, the intersection will have sufficient reserve capacity to accommodate the traffic to be generated by the proposed MSW transfer station and no additional geometric improvements and/or traffic control modifications are required.

Rhodes Lane (Hamilton Road) with HRC Access Drive

The results of the capacity analysis indicate that all the critical movements at the unsignalized Rhodes Lane/HRC access drive intersection currently operate at LOS B or better during the weekday morning and weekday evening peak hours.

As part of the Hamilton Road East-West Connection project, the Hamilton Road/HRC access drive intersection is proposed to be improved to provide two lanes in each direction divided by a two-way, left-turn lane. Inbound left-turn movements to the HRC access drive will be accommodated via the two-way, left-turn lane.

Assuming the projected Year 2041 no-build conditions and the Year 2041 total conditions and the proposed improvements, all the critical movements at the unsignalized Hamilton Road/HRC access drive intersection are projected to operate at LOS D or better during both peak hours. As such, the Hamilton Road/HRC access drive intersection has sufficient reserve capacity to accommodate the traffic to be generated by the proposed MSW transfer station and no geometric improvements and/or traffic control modifications are required.

6. Conclusion

Based on the preceding analyses and recommendations, the following conclusions have been made:

- LRS proposes to develop an MSW transfer station at the HRC. The campus currently contains a C & D recycling facility, a concrete recycling operation, a woody waste recycling and mulching operation, the Roanoke Concrete Products facility, and a maintenance and storage yards for containers and roll-off containers. Access to HRC is currently provided via Trilakes Road, an access drive on Bunn Street, and an access drive on Rhodes Lane. All the current facilities are proposed to continue to operate at the HRC with the proposed MSW transfer station.

- The MSW transfer station is proposed to be located on the east side of the HRC directly south of the Roanoke Concrete Products facility. As proposed, the MSW transfer station is designed to process a maximum of 400 tons of MSW per day and will have a total of five employees. The proposed MSW transfer station is anticipated to receive and transfer waste from 6:00 A.M. to 6:00 P.M. Monday through Friday and 6:00 A.M. to 12:00 P.M. on Saturday.

- The following modifications are proposed to the HRC internal circulation system as part of the proposed MSW transfer station:

    - The east-west section and the southern portion of the north-south section of Trilakes Road, which is a private road, are proposed to be discontinued. As a result, Trilakes Road is proposed to extend from Bunn Street through the C & D recycling facility to the Roanoke Concrete Products site.

    - A new public road that is proposed to extend through the HRC in generally an east-west direction from Bunn Street, at the location of the existing southern access drive, to the western boundary of the proposed MSW transfer station site, where it will terminate as a cul-de-sac. As part of the new public road, larger radii will be provided at the public road's intersection with Bunn Street to accommodate the turning truck traffic. A review of the projected traffic volumes and the left-turn lane and right-turn lane warrants provided in the IDOT BDE Manual showed that a separate left-turn lane or a separate right-turn lane are **not** warranted on Bunn Street serving the access drive.

- Access to the proposed MSW transfer station will be provided via the east-west public road and its intersection with Bunn Street. Trilakes Road will continue to provide inbound and outbound access to the C & D recycling facility, concrete recycling operation, and Roanoke Concrete Products facility. In addition to serving the proposed MSW transfer station, the new public road will also serve inbound and outbound access to the woody waste recycling and mulching operation. Finally, inbound and outbound access to the site of the maintenance and storage of containers will continue to be provided via the Rhodes Lane access drive.

- The intersection capacity analyses have shown that the roadway system has sufficient reserve capacity to accommodate the additional traffic to be generated by the proposed MSW transfer station.

- Based on KLOA, Inc.'s analyses described in this study, it is our finding that the proposed MSW transfer station has been designed to minimize the impact on existing traffic flow and, therefore, complies with the sixth siting criterion.

Appendix

Traffic Count Summary Sheets
HRC Site Plan
Bunn Street and New Public Road Intersection
Hamilton Road/Bunn Street IDS – Prepared by Consultant for the City of Bloomington
Level of Service Criteria
Capacity Analysis Summary Sheets
Left-Turn Lane and Right-Turn Lane Evaluation

Traffic Count Summary Sheets

Kenig Lindgren O'Hara Aboona, Inc.
9575 W. Higgins Rd., Suite 400

Rosemont, Illinois, United States 60018
(847)518-9990 bmay@kloainc.com

Count Name: E. Hamilton Road with Burns Street - Full
Site Code:
Start Date: 04/12/2022

Turning Movement Data

Start Time	Hamilton Rd Eastbound						Hamilton Rd Westbound						Burns St Northbound						Burns St Southbound						Int. Total
	U-Turn	Left	Thru	Right	Peds	App. Total	U-Turn	Left	Thru	Right	Peds	App. Total	U-Turn	Left	Thru	Right	Peds	App. Total	U-Turn	Left	Thru	Right	Peds	App. Total	
7:00 AM	0	13	26	2	0	41	0	2	29	8	0	39	0	1	4	3	0	8	0	10	8	22	0	40	128
7:15 AM	0	19	28	5	0	52	0	4	33	7	0	44	0	3	7	5	0	15	0	15	8	14	0	37	148
7:30 AM	0	26	47	6	0	79	0	4	36	4	0	44	0	5	14	9	0	28	0	9	21	20	0	50	201
7:45 AM	0	17	42	7	0	66	0	2	48	11	0	61	0	4	12	6	0	22	0	8	6	19	0	33	182
Hourly Total	0	75	143	20	0	238	0	12	146	30	0	188	0	13	37	23	0	73	0	42	43	75	0	160	659
8:00 AM	0	14	42	4	0	60	0	5	28	6	0	39	0	1	8	5	0	14	0	11	5	9	0	25	138
8:15 AM	0	17	50	2	0	69	0	1	21	5	0	27	0	2	5	3	0	10	0	8	2	14	0	24	130
8:30 AM	0	8	34	3	0	45	0	6	42	4	0	52	0	2	2	3	0	7	0	15	3	11	0	29	133
8:45 AM	0	9	25	2	0	36	0	3	21	6	0	30	0	2	6	4	0	12	0	10	5	7	0	22	100
Hourly Total	0	48	151	11	0	210	0	15	112	21	0	148	0	7	21	15	0	43	0	44	15	41	0	100	501
*** BREAK ***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3:00 PM	0	13	37	0	0	50	0	4	49	13	0	66	0	4	8	5	0	17	0	5	10	14	0	29	162
3:15 PM	0	15	56	6	0	77	0	5	29	5	0	39	0	4	11	10	0	25	0	11	9	13	0	33	174
3:30 PM	0	14	37	5	0	56	0	11	47	12	0	70	0	4	8	3	0	15	0	12	13	9	0	34	175
3:45 PM	0	12	35	6	0	53	0	9	65	11	0	85	0	2	7	9	0	18	0	9	7	13	0	29	185
Hourly Total	0	54	165	17	0	236	0	29	190	41	0	260	0	14	34	27	0	75	0	37	39	49	0	125	696
4:00 PM	0	15	28	5	0	48	0	9	58	23	0	90	0	5	4	3	0	12	0	8	12	12	0	32	182
4:15 PM	0	15	37	5	1	57	0	14	45	14	0	73	0	1	7	7	0	15	0	12	21	15	0	48	193
4:30 PM	0	11	25	1	0	37	0	18	72	14	0	104	0	4	11	11	0	26	0	14	10	22	0	46	213
4:45 PM	0	16	40	2	0	58	0	10	43	12	0	65	0	3	17	9	0	29	0	11	18	14	0	43	195
Hourly Total	0	57	130	13	1	200	0	51	218	63	0	332	0	13	39	30	0	82	0	45	61	63	0	169	783
5:00 PM	0	12	34	5	0	51	0	6	49	11	0	66	0	9	9	11	0	29	0	6	8	19	0	33	179
5:15 PM	0	16	39	2	0	57	0	7	42	10	0	59	0	0	6	8	0	14	0	9	4	17	0	30	160
5:30 PM	0	12	27	3	0	42	0	6	44	6	0	56	0	4	4	2	0	10	0	12	8	10	0	30	138
5:45 PM	0	12	24	3	0	39	0	5	31	5	0	41	0	2	8	6	0	16	0	5	11	14	0	30	126
Hourly Total	0	52	124	13	0	189	0	24	166	32	0	222	0	15	27	27	0	69	0	32	31	60	0	123	603
Grand Total	0	286	713	74	1	1073	0	131	832	187	0	1150	0	62	158	122	0	342	0	200	189	288	0	677	3242
Approach %	0.0	26.7	66.4	6.9	-	-	0.0	11.4	72.3	16.3	-	-	0.0	18.1	46.2	35.7	-	-	0.0	29.5	27.9	42.5	-	-	-
Total %	0.0	8.8	22.0	2.3	-	33.1	0.0	4.0	25.7	5.8	-	35.5	0.0	1.9	4.9	3.8	-	10.5	0.0	6.2	5.8	8.9	-	20.9	-
Lights	0	248	692	70	-	1010	0	124	793	168	-	1085	0	57	151	115	-	323	0	182	181	251	-	614	3032
% Lights	-	86.7	97.1	94.6	-	94.1	-	94.7	95.3	89.8	-	94.3	-	91.9	95.6	94.3	-	94.4	-	91.0	95.8	87.2	-	90.7	93.5
Buses	0	7	5	1	-	13	0	2	11	3	-	16	0	1	0	2	-	3	0	2	2	8	-	12	44
% Buses	-	2.4	0.7	1.4	-	1.2	-	1.5	1.3	1.6	-	1.4	-	1.6	0.0	1.6	-	0.9	-	1.0	1.1	2.8	-	1.8	1.4
Single-Unit Trucks	0	17	14	3	-	34	0	1	20	14	-	35	0	0	5	1	-	6	0	15	3	21	-	39	114
% Single-Unit Trucks	-	5.9	2.0	4.1	-	3.2	-	0.8	2.4	7.5	-	3.0	-	0.0	3.2	0.8	-	1.8	-	7.5	1.6	7.3	-	5.8	3.5

Articulated Trucks	0	14	2	0	-	16	0	3	8	2	-	13	0	2	0	4	-	6	0	1	0	7	-	8	43
% Articulated Trucks	-	4.9	0.3	0.0	-	1.5	-	2.3	1.0	1.1	-	1.1	-	3.2	0.0	3.3	-	1.8	-	0.5	0.0	2.4	-	1.2	1.3
Bicycles on Road	0	0	0	0	-	0	0	1	0	0	-	1	0	2	2	0	-	4	0	0	3	1	-	4	9
% Bicycles on Road	-	0.0	0.0	0.0	-	0.0	-	0.8	0.0	0.0	-	0.1	-	3.2	1.3	0.0	-	1.2	-	0.0	1.6	0.3	-	0.6	0.3
Pedestrians	-	-	-	-	1	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-
% Pedestrians	-	-	-	-	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Kenig Lindgren O'Hara Aboona, Inc.
9575 W. Higgins Rd., Suite 400

Rosemont, Illinois, United States 60018
(847)518-9990 bmay@kloainc.com

Count Name: E. Hamilton Road with Burns Street - Full
Site Code:
Start Date: 04/12/2022

Turning Movement Peak Hour Data (7:15 AM)

Start Time	Hamilton Rd Eastbound						Hamilton Rd Westbound						Burns St Northbound						Burns St Southbound						
	U-Turn	Left	Thru	Right	Peds	App. Total	U-Turn	Left	Thru	Right	Peds	App. Total	U-Turn	Left	Thru	Right	Peds	App. Total	U-Turn	Left	Thru	Right	Peds	App. Total	Int. Total
7:15 AM	0	19	28	5	0	52	0	4	33	7	0	44	0	3	7	5	0	15	0	15	8	14	0	37	148
7:30 AM	0	26	47	6	0	79	0	4	36	4	0	44	0	5	14	9	0	28	0	9	21	20	0	50	201
7:45 AM	0	17	42	7	0	66	0	2	48	11	0	61	0	4	12	6	0	22	0	8	6	19	0	33	182
8:00 AM	0	14	42	4	0	60	0	5	28	6	0	39	0	1	8	5	0	14	0	11	5	9	0	25	138
Total	0	76	159	22	0	257	0	15	145	28	0	188	0	13	41	25	0	79	0	43	40	62	0	145	669
Approach %	0.0	29.6	61.9	8.6	-	-	0.0	8.0	77.1	14.9	-	-	0.0	16.5	51.9	31.6	-	-	0.0	29.7	27.6	42.8	-	-	-
Total %	0.0	11.4	23.8	3.3	-	38.4	0.0	2.2	21.7	4.2	-	28.1	0.0	1.9	6.1	3.7	-	11.8	0.0	6.4	6.0	9.3	-	21.7	-
PHF	0.000	0.731	0.846	0.786	-	0.813	0.000	0.750	0.755	0.636	-	0.770	0.000	0.650	0.732	0.694	-	0.705	0.000	0.717	0.476	0.775	-	0.725	0.832
Lights	0	62	155	20	-	237	0	14	137	24	-	175	0	11	38	24	-	73	0	37	38	50	-	125	610
% Lights	-	81.6	97.5	90.9	-	92.2	-	93.3	94.5	85.7	-	93.1	-	84.6	92.7	96.0	-	92.4	-	86.0	95.0	80.6	-	86.2	91.2
Buses	0	3	0	0	-	3	0	1	1	0	-	2	0	1	0	1	-	2	0	1	0	3	-	4	11
% Buses	-	3.9	0.0	0.0	-	1.2	-	6.7	0.7	0.0	-	1.1	-	7.7	0.0	4.0	-	2.5	-	2.3	0.0	4.8	-	2.8	1.6
Single-Unit Trucks	0	5	3	2	-	10	0	0	7	4	-	11	0	0	2	0	-	2	0	5	1	7	-	13	36
% Single-Unit Trucks	-	6.6	1.9	9.1	-	3.9	-	0.0	4.8	14.3	-	5.9	-	0.0	4.9	0.0	-	2.5	-	11.6	2.5	11.3	-	9.0	5.4
Articulated Trucks	0	6	1	0	-	7	0	0	0	0	-	0	0	1	0	0	-	1	0	0	0	2	-	2	10
% Articulated Trucks	-	7.9	0.6	0.0	-	2.7	-	0.0	0.0	0.0	-	0.0	-	7.7	0.0	0.0	-	1.3	-	0.0	0.0	3.2	-	1.4	1.5
Bicycles on Road	0	0	0	0	-	0	0	0	0	0	-	0	0	0	1	0	-	1	0	0	1	0	-	1	2
% Bicycles on Road	-	0.0	0.0	0.0	-	0.0	-	0.0	0.0	0.0	-	0.0	-	0.0	2.4	0.0	-	1.3	-	0.0	2.5	0.0	-	0.7	0.3
Pedestrians	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Kenig Lindgren O'Hara Aboona, Inc.
9575 W. Higgins Rd., Suite 400

Rosemont, Illinois, United States 60018
(847)518-9990 bmay@kloainc.com

Count Name: E. Hamilton Road with Burns Street - Full
Site Code:
Start Date: 04/12/2022

Turning Movement Peak Hour Data (4:00 PM)

Start Time	Hamilton Rd Eastbound						Hamilton Rd Westbound						Burns St Northbound						Burns St Southbound						Int. Total
	U-Turn	Left	Thru	Right	Peds	App. Total	U-Turn	Left	Thru	Right	Peds	App. Total	U-Turn	Left	Thru	Right	Peds	App. Total	U-Turn	Left	Thru	Right	Peds	App. Total	
4:00 PM	0	15	28	5	0	48	0	9	58	23	0	90	0	5	4	3	0	12	0	8	12	12	0	32	182
4:15 PM	0	15	37	5	1	57	0	14	45	14	0	73	0	1	7	7	0	15	0	12	21	15	0	48	193
4:30 PM	0	11	25	1	0	37	0	18	72	14	0	104	0	4	11	11	0	26	0	14	10	22	0	46	213
4:45 PM	0	16	40	2	0	58	0	10	43	12	0	65	0	3	17	9	0	29	0	11	18	14	0	43	195
Total	0	57	130	13	1	200	0	51	218	63	0	332	0	13	39	30	0	82	0	45	61	63	0	169	783
Approach %	0.0	28.5	65.0	6.5	-	-	0.0	15.4	65.7	19.0	-	-	0.0	15.9	47.6	36.6	-	-	0.0	26.6	36.1	37.3	-	-	-
Total %	0.0	7.3	16.6	1.7	-	25.5	0.0	6.5	27.8	8.0	-	42.4	0.0	1.7	5.0	3.8	-	10.5	0.0	5.7	7.8	8.0	-	21.6	-
PHF	0.000	0.891	0.813	0.650	-	0.862	0.000	0.708	0.757	0.685	-	0.798	0.000	0.650	0.574	0.682	-	0.707	0.000	0.804	0.726	0.716	-	0.880	0.919
Lights	0	46	127	13	-	186	0	48	213	58	-	319	0	12	39	27	-	78	0	42	60	55	-	157	740
% Lights	-	80.7	97.7	100.0	-	93.0	-	94.1	97.7	92.1	-	96.1	-	92.3	100.0	90.0	-	95.1	-	93.3	98.4	87.3	-	92.9	94.5
Buses	0	2	0	0	-	2	0	0	0	0	-	0	0	0	0	0	-	0	0	0	0	2	-	2	4
% Buses	-	3.5	0.0	0.0	-	1.0	-	0.0	0.0	0.0	-	0.0	-	0.0	0.0	0.0	-	0.0	-	0.0	0.0	3.2	-	1.2	0.5
Single-Unit Trucks	0	5	3	0	-	8	0	0	3	3	-	6	0	0	0	0	-	0	0	3	0	4	-	7	21
% Single-Unit Trucks	-	8.8	2.3	0.0	-	4.0	-	0.0	1.4	4.8	-	1.8	-	0.0	0.0	0.0	-	0.0	-	6.7	0.0	6.3	-	4.1	2.7
Articulated Trucks	0	4	0	0	-	4	0	2	2	2	-	6	0	0	0	3	-	3	0	0	0	2	-	2	15
% Articulated Trucks	-	7.0	0.0	0.0	-	2.0	-	3.9	0.9	3.2	-	1.8	-	0.0	0.0	10.0	-	3.7	-	0.0	0.0	3.2	-	1.2	1.9
Bicycles on Road	0	0	0	0	-	0	0	1	0	0	-	1	0	1	0	0	-	1	0	0	1	0	-	1	3
% Bicycles on Road	-	0.0	0.0	0.0	-	0.0	-	2.0	0.0	0.0	-	0.3	-	7.7	0.0	0.0	-	1.2	-	0.0	1.6	0.0	-	0.6	0.4
Pedestrians	-	-	-	-	1	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-
% Pedestrians	-	-	-	-	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Kenig Lindgren O'Hara Aboona, Inc.
9575 W. Higgins Rd., Suite 400

Rosemont, Illinois, United States 60018
(847)518-9990 bmay@kloainc.com

Count Name: Burns Street with Avenue E St. - Full
Site Code:
Start Date: 04/12/2022

Turning Movement Data

Start Time	Avenue E St Eastbound					Avenue E Westbound					Burns St Northbound						Burns St Southbound						Int. Total
	U-Turn	Left	Right	Peds	App. Total	U-Turn	Left	Right	Peds	App. Total	U-Turn	Left	Thru	Right	Peds	App. Total	U-Turn	Left	Thru	Right	Peds	App. Total	
7:00 AM	0	2	14	0	16	0	0	0	0	0	0	5	19	0	0	24	0	0	25	1	0	26	66
7:15 AM	0	5	12	0	17	0	0	0	0	0	0	5	25	0	0	30	0	0	25	2	0	27	74
7:30 AM	0	8	22	0	30	0	0	0	0	0	0	8	40	0	0	48	0	0	28	0	0	28	106
7:45 AM	0	6	11	0	17	0	0	0	0	0	0	9	32	0	0	41	0	0	23	4	0	27	85
Hourly Total	0	21	59	0	80	0	0	0	0	0	0	27	116	0	0	143	0	0	101	7	0	108	331
8:00 AM	0	4	9	0	13	0	0	0	0	0	0	4	23	0	0	27	0	0	15	5	0	20	60
8:15 AM	0	3	10	0	13	0	0	0	0	0	0	9	17	0	0	26	0	0	14	2	0	16	55
8:30 AM	0	3	6	0	9	0	0	0	0	0	0	2	12	0	0	14	0	0	21	2	0	23	46
8:45 AM	0	2	6	0	8	0	0	0	0	0	0	3	14	0	0	17	0	0	16	1	0	17	42
Hourly Total	0	12	31	0	43	0	0	0	0	0	0	18	66	0	0	84	0	0	66	10	0	76	203
*** BREAK ***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3:00 PM	0	0	0	0	0	0	8	4	0	12	0	0	26	8	0	34	0	3	21	0	0	24	70
3:15 PM	0	0	0	0	0	0	7	4	0	11	0	0	24	8	0	32	0	2	26	0	0	28	71
3:30 PM	0	0	0	0	0	0	4	3	0	7	0	0	20	12	0	32	0	4	27	0	0	31	70
3:45 PM	0	0	0	0	0	0	11	3	0	14	0	0	26	3	0	29	0	6	20	0	0	26	69
Hourly Total	0	0	0	0	0	0	30	14	0	44	0	0	96	31	0	127	0	15	94	0	0	109	280
4:00 PM	0	4	6	0	10	0	0	0	0	0	0	10	33	0	0	43	0	0	27	4	0	31	84
4:15 PM	0	3	12	0	15	0	0	0	0	0	0	11	22	0	0	33	0	0	35	4	0	39	87
4:30 PM	0	2	9	0	11	0	0	0	0	0	0	12	23	0	0	35	0	0	40	7	0	47	93
4:45 PM	0	6	7	0	13	0	0	0	0	0	0	11	34	0	0	45	0	0	34	3	0	37	95
Hourly Total	0	15	34	0	49	0	0	0	0	0	0	44	112	0	0	156	0	0	136	18	0	154	359
5:00 PM	0	1	7	0	8	0	0	0	0	0	0	9	20	0	0	29	0	0	28	5	0	33	70
5:15 PM	0	4	11	0	15	0	0	0	0	0	0	14	19	0	0	33	0	0	19	3	0	22	70
5:30 PM	0	4	8	0	12	0	0	0	0	0	0	11	13	0	0	24	0	0	22	7	0	29	65
5:45 PM	0	2	5	0	7	0	0	0	0	0	0	6	17	0	0	23	0	0	26	3	0	29	59
Hourly Total	0	11	31	0	42	0	0	0	0	0	0	40	69	0	0	109	0	0	95	18	0	113	264
Grand Total	0	59	155	0	214	0	30	14	0	44	0	129	459	31	0	619	0	15	492	53	0	560	1437
Approach %	0.0	27.6	72.4	-	-	0.0	68.2	31.8	-	-	0.0	20.8	74.2	5.0	-	-	0.0	2.7	87.9	9.5	-	-	-
Total %	0.0	4.1	10.8	-	14.9	0.0	2.1	1.0	-	3.1	0.0	9.0	31.9	2.2	-	43.1	0.0	1.0	34.2	3.7	-	39.0	-
Lights	0	56	145	-	201	0	29	13	-	42	0	119	411	30	-	560	0	14	441	51	-	506	1309
% Lights	-	94.9	93.5	-	93.9	-	96.7	92.9	-	95.5	-	92.2	89.5	96.8	-	90.5	-	93.3	89.6	96.2	-	90.4	91.1
Buses	0	3	7	-	10	0	1	0	-	1	0	7	2	1	-	10	0	0	4	0	-	4	25
% Buses	-	5.1	4.5	-	4.7	-	3.3	0.0	-	2.3	-	5.4	0.4	3.2	-	1.6	-	0.0	0.8	0.0	-	0.7	1.7
Single-Unit Trucks	0	0	3	-	3	0	0	1	-	1	0	3	30	0	-	33	0	1	28	1	-	30	67
% Single-Unit Trucks	-	0.0	1.9	-	1.4	-	0.0	7.1	-	2.3	-	2.3	6.5	0.0	-	5.3	-	6.7	5.7	1.9	-	5.4	4.7

Articulated Trucks	0	0	0	-	0	0	0	0	-	0	0	0	14	0	-	14	0	0	13	0	-	13	27
% Articulated Trucks	-	0.0	0.0	-	0.0	-	0.0	0.0	-	0.0	-	0.0	3.1	0.0	-	2.3	-	0.0	2.6	0.0	-	2.3	1.9
Bicycles on Road	0	0	0	-	0	0	0	0	-	0	0	0	2	0	-	2	0	0	6	1	-	7	9
% Bicycles on Road	-	0.0	0.0	-	0.0	-	0.0	0.0	-	0.0	-	0.0	0.4	0.0	-	0.3	-	0.0	1.2	1.9	-	1.3	0.6
Pedestrians	-	-	-	0	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Kenig Lindgren O'Hara Aboona, Inc.
9575 W. Higgins Rd., Suite 400

Rosemont, Illinois, United States 60018
(847)518-9990 bmay@kloainc.com

Count Name: Burns Street with Avenue E St. - Full
Site Code:
Start Date: 04/12/2022

Turning Movement Peak Hour Data (7:00 AM)

Start Time	Avenue E St Eastbound					Avenue E Westbound					Burns St Northbound						Burns St Southbound						
	U-Turn	Left	Right	Peds	App. Total	U-Turn	Left	Right	Peds	App. Total	U-Turn	Left	Thru	Right	Peds	App. Total	U-Turn	Left	Thru	Right	Peds	App. Total	Int. Total
7:00 AM	0	2	14	0	16	0	0	0	0	0	0	5	19	0	0	24	0	0	25	1	0	26	66
7:15 AM	0	5	12	0	17	0	0	0	0	0	0	5	25	0	0	30	0	0	25	2	0	27	74
7:30 AM	0	8	22	0	30	0	0	0	0	0	0	8	40	0	0	48	0	0	28	0	0	28	106
7:45 AM	0	6	11	0	17	0	0	0	0	0	0	9	32	0	0	41	0	0	23	4	0	27	85
Total	0	21	59	0	80	0	0	0	0	0	0	27	116	0	0	143	0	0	101	7	0	108	331
Approach %	0.0	26.3	73.8	-	-	0.0	0.0	0.0	-	-	0.0	18.9	81.1	0.0	-	-	0.0	0.0	93.5	6.5	-	-	-
Total %	0.0	6.3	17.8	-	24.2	0.0	0.0	0.0	-	0.0	0.0	8.2	35.0	0.0	-	43.2	0.0	0.0	30.5	2.1	-	32.6	-
PHF	0.000	0.656	0.670	-	0.667	0.000	0.000	0.000	-	0.000	0.000	0.750	0.725	0.000	-	0.745	0.000	0.000	0.902	0.438	-	0.964	0.781
Lights	0	19	54	-	73	0	0	0	-	0	0	21	104	0	-	125	0	0	84	7	-	91	289
% Lights	-	90.5	91.5	-	91.3	-	-	-	-	-	-	77.8	89.7	-	-	87.4	-	-	83.2	100.0	-	84.3	87.3
Buses	0	2	4	-	6	0	0	0	-	0	0	4	1	0	-	5	0	0	1	0	-	1	12
% Buses	-	9.5	6.8	-	7.5	-	-	-	-	-	-	14.8	0.9	-	-	3.5	-	-	1.0	0.0	-	0.9	3.6
Single-Unit Trucks	0	0	1	-	1	0	0	0	-	0	0	2	6	0	-	8	0	0	12	0	-	12	21
% Single-Unit Trucks	-	0.0	1.7	-	1.3	-	-	-	-	-	-	7.4	5.2	-	-	5.6	-	-	11.9	0.0	-	11.1	6.3
Articulated Trucks	0	0	0	-	0	0	0	0	-	0	0	0	4	0	-	4	0	0	4	0	-	4	8
% Articulated Trucks	-	0.0	0.0	-	0.0	-	-	-	-	-	-	0.0	3.4	-	-	2.8	-	-	4.0	0.0	-	3.7	2.4
Bicycles on Road	0	0	0	-	0	0	0	0	-	0	0	0	1	0	-	1	0	0	0	0	-	0	1
% Bicycles on Road	-	0.0	0.0	-	0.0	-	-	-	-	-	-	0.0	0.9	-	-	0.7	-	-	0.0	0.0	-	0.0	0.3
Pedestrians	-	-	-	0	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Kenig Lindgren O'Hara Aboona, Inc.
9575 W. Higgins Rd., Suite 400

Rosemont, Illinois, United States 60018
(847)518-9990 bmay@kloainc.com

Count Name: Burns Street with Avenue E St. - Full
Site Code:
Start Date: 04/12/2022

Turning Movement Peak Hour Data (4:00 PM)

Start Time	Avenue E St Eastbound					Avenue E Westbound					Burns St Northbound						Burns St Southbound						
	U-Turn	Left	Right	Peds	App. Total	U-Turn	Left	Right	Peds	App. Total	U-Turn	Left	Thru	Right	Peds	App. Total	U-Turn	Left	Thru	Right	Peds	App. Total	Int. Total
4:00 PM	0	4	6	0	10	0	0	0	0	0	0	10	33	0	0	43	0	0	27	4	0	31	84
4:15 PM	0	3	12	0	15	0	0	0	0	0	0	11	22	0	0	33	0	0	35	4	0	39	87
4:30 PM	0	2	9	0	11	0	0	0	0	0	0	12	23	0	0	35	0	0	40	7	0	47	93
4:45 PM	0	6	7	0	13	0	0	0	0	0	0	11	34	0	0	45	0	0	34	3	0	37	95
Total	0	15	34	0	49	0	0	0	0	0	0	44	112	0	0	156	0	0	136	18	0	154	359
Approach %	0.0	30.6	69.4	-	-	0.0	0.0	0.0	-	-	0.0	28.2	71.8	0.0	-	-	0.0	0.0	88.3	11.7	-	-	-
Total %	0.0	4.2	9.5	-	13.6	0.0	0.0	0.0	-	0.0	0.0	12.3	31.2	0.0	-	43.5	0.0	0.0	37.9	5.0	-	42.9	-
PHF	0.000	0.625	0.708	-	0.817	0.000	0.000	0.000	-	0.000	0.000	0.917	0.824	0.000	-	0.867	0.000	0.000	0.850	0.643	-	0.819	0.945
Lights	0	14	32	-	46	0	0	0	-	0	0	41	99	0	-	140	0	0	125	17	-	142	328
% Lights	-	93.3	94.1	-	93.9	-	-	-	-	-	-	93.2	88.4	-	-	89.7	-	-	91.9	94.4	-	92.2	91.4
Buses	0	1	1	-	2	0	0	0	-	0	0	2	1	0	-	3	0	0	1	0	-	1	6
% Buses	-	6.7	2.9	-	4.1	-	-	-	-	-	-	4.5	0.9	-	-	1.9	-	-	0.7	0.0	-	0.6	1.7
Single-Unit Trucks	0	0	1	-	1	0	0	0	-	0	0	1	8	0	-	9	0	0	4	1	-	5	15
% Single-Unit Trucks	-	0.0	2.9	-	2.0	-	-	-	-	-	-	2.3	7.1	-	-	5.8	-	-	2.9	5.6	-	3.2	4.2
Articulated Trucks	0	0	0	-	0	0	0	0	-	0	0	0	4	0	-	4	0	0	3	0	-	3	7
% Articulated Trucks	-	0.0	0.0	-	0.0	-	-	-	-	-	-	0.0	3.6	-	-	2.6	-	-	2.2	0.0	-	1.9	1.9
Bicycles on Road	0	0	0	-	0	0	0	0	-	0	0	0	0	0	-	0	0	0	3	0	-	3	3
% Bicycles on Road	-	0.0	0.0	-	0.0	-	-	-	-	-	-	0.0	0.0	-	-	0.0	-	-	2.2	0.0	-	1.9	0.8
Pedestrians	-	-	-	0	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Kenig Lindgren O'Hara Aboona, Inc.
9575 W. Higgins Rd., Suite 400

Rosemont, Illinois, United States 60018
(847)518-9990 kpachowicz@kloainc.com

Count Name: E Hamilton Rd with Access Dr
TMC
Site Code:
Start Date: 04/12/2022

Turning Movement Data

Start Time	E Hamilton Rd Eastbound					E Hamilton Rd Westbound					Access Dr Southbound					
	Left	Thru	U-Turn	Peds	App. Total	Thru	Right	U-Turn	Peds	App. Total	Left	Right	U-Turn	Peds	App. Total	Int. Total
6:00 AM	0	13	0	0	13	12	0	0	0	12	0	0	0	0	0	25
6:15 AM	0	23	0	0	23	20	0	0	0	20	0	0	0	0	0	43
6:30 AM	0	30	0	0	30	22	0	0	0	22	0	0	0	0	0	52
6:45 AM	0	41	0	0	41	39	0	0	0	39	0	0	0	0	0	80
Hourly Total	0	107	0	0	107	93	0	0	0	93	0	0	0	0	0	200
7:00 AM	0	35	0	0	35	41	0	0	0	41	0	0	0	0	0	76
7:15 AM	0	47	0	0	47	41	0	0	0	41	0	1	0	0	1	89
7:30 AM	0	59	0	0	59	40	0	0	0	40	0	0	0	0	0	99
7:45 AM	0	62	0	0	62	58	0	0	0	58	0	0	0	0	0	120
Hourly Total	0	203	0	0	203	180	0	0	0	180	0	1	0	0	1	384
8:00 AM	0	58	0	0	58	45	0	0	0	45	0	0	0	0	0	103
8:15 AM	0	56	0	0	56	29	0	0	0	29	0	0	0	0	0	85
8:30 AM	1	54	0	0	55	49	0	0	0	49	0	1	0	0	1	105
8:45 AM	1	40	0	0	41	31	0	0	0	31	0	0	0	0	0	72
Hourly Total	2	208	0	0	210	154	0	0	0	154	0	1	0	0	1	365
*** BREAK ***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3:00 PM	1	40	0	0	41	66	5	0	0	71	0	0	0	0	0	112
3:15 PM	0	78	0	0	78	42	1	0	0	43	1	2	0	0	3	124
3:30 PM	4	54	0	0	58	59	2	0	0	61	1	2	0	0	3	122
3:45 PM	1	50	0	0	51	81	0	0	0	81	0	5	0	0	5	137
Hourly Total	6	222	0	0	228	248	8	0	0	256	2	9	0	0	11	495
4:00 PM	0	42	0	0	42	96	0	0	0	96	0	0	0	0	0	138
4:15 PM	0	47	0	0	47	70	1	0	0	71	0	1	0	0	1	119
4:30 PM	3	53	0	0	56	93	0	0	0	93	0	2	0	0	2	151
4:45 PM	1	61	0	0	62	77	0	0	0	77	0	0	0	0	0	139
Hourly Total	4	203	0	0	207	336	1	0	0	337	0	3	0	0	3	547
5:00 PM	0	53	0	0	53	60	0	0	0	60	0	1	0	0	1	114
5:15 PM	0	55	0	0	55	62	0	0	0	62	0	0	0	0	0	117
5:30 PM	1	38	0	0	39	54	0	0	0	54	0	1	0	0	1	94
5:45 PM	0	44	0	0	44	42	0	0	0	42	0	0	0	0	0	86
Hourly Total	1	190	0	0	191	218	0	0	0	218	0	2	0	0	2	411
Grand Total	13	1133	0	0	1146	1229	9	0	0	1238	2	16	0	0	18	2402
Approach %	1.1	98.9	0.0	-	-	99.3	0.7	0.0	-	-	11.1	88.9	0.0	-	-	-
Total %	0.5	47.2	0.0	-	47.7	51.2	0.4	0.0	-	51.5	0.1	0.7	0.0	-	0.7	-
Lights	9	1091	0	-	1100	1170	7	0	-	1177	2	10	0	-	12	2289
% Lights	69.2	96.3	-	-	96.0	95.2	77.8	-	-	95.1	100.0	62.5	-	-	66.7	95.3

Buses	0	9	0	-	9	16	0	0	-	16	0	0	0	-	0	25
% Buses	0.0	0.8	-	-	0.8	1.3	0.0	-	-	1.3	0.0	0.0	-	-	0.0	1.0
Single-Unit Trucks	4	26	0	-	30	30	2	0	-	32	0	6	0	-	6	68
% Single-Unit Trucks	30.8	2.3	-	-	2.6	2.4	22.2	-	-	2.6	0.0	37.5	-	-	33.3	2.8
Articulated Trucks	0	7	0	-	7	12	0	0	-	12	0	0	0	-	0	19
% Articulated Trucks	0.0	0.6	-	-	0.6	1.0	0.0	-	-	1.0	0.0	0.0	-	-	0.0	0.8
Bicycles on Road	0	0	0	-	0	1	0	0	-	1	0	0	0	-	0	1
% Bicycles on Road	0.0	0.0	-	-	0.0	0.1	0.0	-	-	0.1	0.0	0.0	-	-	0.0	0.0
Pedestrians	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Kenig Lindgren O'Hara Aboona, Inc.
9575 W. Higgins Rd., Suite 400

Rosemont, Illinois, United States 60018
(847)518-9990 kpachowicz@kloainc.com

Count Name: E Hamilton Rd with Access Dr
TMC
Site Code:
Start Date: 04/12/2022

Turning Movement Peak Hour Data (7:00 AM)

Start Time	E Hamilton Rd Eastbound					E Hamilton Rd Westbound					Access Dr Southbound					
	Left	Thru	U-Turn	Peds	App. Total	Thru	Right	U-Turn	Peds	App. Total	Left	Right	U-Turn	Peds	App. Total	Int. Total
7:00 AM	0	35	0	0	35	41	0	0	0	41	0	0	0	0	0	76
7:15 AM	0	47	0	0	47	41	0	0	0	41	0	1	0	0	1	89
7:30 AM	0	59	0	0	59	40	0	0	0	40	0	0	0	0	0	99
7:45 AM	0	62	0	0	62	58	0	0	0	58	0	0	0	0	0	120
Total	0	203	0	0	203	180	0	0	0	180	0	1	0	0	1	384
Approach %	0.0	100.0	0.0	-	-	100.0	0.0	0.0	-	-	0.0	100.0	0.0	-	-	-
Total %	0.0	52.9	0.0	-	52.9	46.9	0.0	0.0	-	46.9	0.0	0.3	0.0	-	0.3	-
PHF	0.000	0.819	0.000	-	0.819	0.776	0.000	0.000	-	0.776	0.000	0.250	0.000	-	0.250	0.800
Lights	0	194	0	-	194	170	0	0	-	170	0	1	0	-	1	365
% Lights	-	95.6	-	-	95.6	94.4	-	-	-	94.4	-	100.0	-	-	100.0	95.1
Buses	0	1	0	-	1	3	0	0	-	3	0	0	0	-	0	4
% Buses	-	0.5	-	-	0.5	1.7	-	-	-	1.7	-	0.0	-	-	0.0	1.0
Single-Unit Trucks	0	7	0	-	7	7	0	0	-	7	0	0	0	-	0	14
% Single-Unit Trucks	-	3.4	-	-	3.4	3.9	-	-	-	3.9	-	0.0	-	-	0.0	3.6
Articulated Trucks	0	1	0	-	1	0	0	0	-	0	0	0	0	-	0	1
% Articulated Trucks	-	0.5	-	-	0.5	0.0	-	-	-	0.0	-	0.0	-	-	0.0	0.3
Bicycles on Road	0	0	0	-	0	0	0	0	-	0	0	0	0	-	0	0
% Bicycles on Road	-	0.0	-	-	0.0	0.0	-	-	-	0.0	-	0.0	-	-	0.0	0.0
Pedestrians	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Kenig Lindgren O'Hara Aboona, Inc.
9575 W. Higgins Rd., Suite 400

Rosemont, Illinois, United States 60018
(847)518-9990 kpachowicz@kloainc.com

Count Name: E Hamilton Rd with Access Dr
TMC
Site Code:
Start Date: 04/12/2022

Turning Movement Peak Hour Data (4:00 PM)

Start Time	E Hamilton Rd Eastbound					E Hamilton Rd Westbound					Access Dr Southbound					
	Left	Thru	U-Turn	Peds	App. Total	Thru	Right	U-Turn	Peds	App. Total	Left	Right	U-Turn	Peds	App. Total	Int. Total
4:00 PM	0	42	0	0	42	96	0	0	0	96	0	0	0	0	0	138
4:15 PM	0	47	0	0	47	70	1	0	0	71	0	1	0	0	1	119
4:30 PM	3	53	0	0	56	93	0	0	0	93	0	2	0	0	2	151
4:45 PM	1	61	0	0	62	77	0	0	0	77	0	0	0	0	0	139
Total	4	203	0	0	207	336	1	0	0	337	0	3	0	0	3	547
Approach %	1.9	98.1	0.0	-	-	99.7	0.3	0.0	-	-	0.0	100.0	0.0	-	-	-
Total %	0.7	37.1	0.0	-	37.8	61.4	0.2	0.0	-	61.6	0.0	0.5	0.0	-	0.5	-
PHF	0.333	0.832	0.000	-	0.835	0.875	0.250	0.000	-	0.878	0.000	0.375	0.000	-	0.375	0.906
Lights	3	196	0	-	199	325	1	0	-	326	0	2	0	-	2	527
% Lights	75.0	96.6	-	-	96.1	96.7	100.0	-	-	96.7	-	66.7	-	-	66.7	96.3
Buses	0	0	0	-	0	3	0	0	-	3	0	0	0	-	0	3
% Buses	0.0	0.0	-	-	0.0	0.9	0.0	-	-	0.9	-	0.0	-	-	0.0	0.5
Single-Unit Trucks	1	4	0	-	5	4	0	0	-	4	0	1	0	-	1	10
% Single-Unit Trucks	25.0	2.0	-	-	2.4	1.2	0.0	-	-	1.2	-	33.3	-	-	33.3	1.8
Articulated Trucks	0	3	0	-	3	3	0	0	-	3	0	0	0	-	0	6
% Articulated Trucks	0.0	1.5	-	-	1.4	0.9	0.0	-	-	0.9	-	0.0	-	-	0.0	1.1
Bicycles on Road	0	0	0	-	0	1	0	0	-	1	0	0	0	-	0	1
% Bicycles on Road	0.0	0.0	-	-	0.0	0.3	0.0	-	-	0.3	-	0.0	-	-	0.0	0.2
Pedestrians	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Kenig Lindgren O'Hara Aboona, Inc.
9575 W. Higgins Rd., Suite 400

Rosemont, Illinois, United States 60018
(847)518-9990 kpachowicz@kloainc.com

Count Name: Burns St with Tri Lakes Rd TMC
Site Code:
Start Date: 04/12/2022

Turning Movement Data

Start Time	Tri Lakes Rd Westbound					Burns St Northbound					Burns St Southbound					
	Left	Right	U-Turn	Peds	App. Total	Thru	Right	U-Turn	Peds	App. Total	Left	Thru	U-Turn	Peds	App. Total	Int. Total
6:00 AM	2	0	0	0	2	9	0	0	0	9	2	6	0	0	8	19
6:15 AM	0	0	0	0	0	13	3	0	2	16	0	12	0	0	12	28
6:30 AM	1	0	0	0	1	22	1	0	0	23	1	19	0	0	20	44
6:45 AM	0	0	0	0	0	34	5	0	0	39	4	14	0	0	18	57
Hourly Total	3	0	0	0	3	78	9	0	2	87	7	51	0	0	58	148
7:00 AM	2	3	0	0	5	24	1	0	0	25	2	22	0	0	24	54
7:15 AM	5	1	0	0	6	43	7	0	0	50	2	18	0	0	20	76
7:30 AM	2	2	0	0	4	51	2	0	0	53	0	20	0	0	20	77
7:45 AM	3	1	0	0	4	41	0	0	0	41	2	27	0	0	29	74
Hourly Total	12	7	0	0	19	159	10	0	0	169	6	87	0	0	93	281
8:00 AM	0	1	0	0	1	31	4	0	0	35	3	15	0	0	18	54
8:15 AM	5	2	0	0	7	23	0	0	0	23	1	11	0	0	12	42
8:30 AM	1	0	0	0	1	23	1	0	0	24	2	14	0	0	16	41
8:45 AM	2	1	0	0	3	23	0	0	0	23	0	14	0	0	14	40
Hourly Total	8	4	0	0	12	100	5	0	0	105	6	54	0	0	60	177
*** BREAK ***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3:00 PM	3	2	0	0	5	33	2	0	0	35	1	29	0	0	30	70
3:15 PM	3	0	0	0	3	24	0	0	0	24	1	33	0	0	34	61
3:30 PM	1	0	0	0	1	22	1	0	0	23	0	42	0	0	42	66
3:45 PM	1	0	0	0	1	30	3	0	0	33	0	33	0	0	33	67
Hourly Total	8	2	0	0	10	109	6	0	0	115	2	137	0	0	139	264
4:00 PM	4	0	0	0	4	26	2	0	0	28	1	36	0	0	37	69
4:15 PM	3	3	0	0	6	27	3	0	0	30	1	41	0	0	42	78
4:30 PM	3	0	0	1	3	29	2	0	1	31	0	42	0	0	42	76
4:45 PM	1	1	0	0	2	38	2	0	0	40	0	43	0	0	43	85
Hourly Total	11	4	0	1	15	120	9	0	1	129	2	162	0	0	164	308
5:00 PM	2	1	0	0	3	26	1	0	0	27	0	39	0	0	39	69
5:15 PM	1	0	0	0	1	31	0	0	0	31	0	33	0	0	33	65
5:30 PM	0	1	0	0	1	21	0	0	0	21	0	32	0	0	32	54
5:45 PM	2	0	0	0	2	23	0	0	0	23	0	27	0	0	27	52
Hourly Total	5	2	0	0	7	101	1	0	0	102	0	131	0	0	131	240
Grand Total	47	19	0	1	66	667	40	0	3	707	23	622	0	0	645	1418
Approach %	71.2	28.8	0.0	-	-	94.3	5.7	0.0	-	-	3.6	96.4	0.0	-	-	-
Total %	3.3	1.3	0.0	-	4.7	47.0	2.8	0.0	-	49.9	1.6	43.9	0.0	-	45.5	-
Lights	14	7	0	-	21	631	15	0	-	646	7	588	0	-	595	1262
% Lights	29.8	36.8	-	-	31.8	94.6	37.5	-	-	91.4	30.4	94.5	-	-	92.2	89.0

Buses	0	0	0	-	0	5	0	0	-	5	0	3	0	-	3	8
% Buses	0.0	0.0	-	-	0.0	0.7	0.0	-	-	0.7	0.0	0.5	-	-	0.5	0.6
Single-Unit Trucks	23	11	0	-	34	23	15	0	-	38	14	23	0	-	37	109
% Single-Unit Trucks	48.9	57.9	-	-	51.5	3.4	37.5	-	-	5.4	60.9	3.7	-	-	5.7	7.7
Articulated Trucks	9	0	0	-	9	4	9	0	-	13	0	1	0	-	1	23
% Articulated Trucks	19.1	0.0	-	-	13.6	0.6	22.5	-	-	1.8	0.0	0.2	-	-	0.2	1.6
Bicycles on Road	1	1	0	-	2	4	1	0	-	5	2	7	0	-	9	16
% Bicycles on Road	2.1	5.3	-	-	3.0	0.6	2.5	-	-	0.7	8.7	1.1	-	-	1.4	1.1
Pedestrians	-	-	-	1	-	-	-	-	3	-	-	-	-	0	-	-
% Pedestrians	-	-	-	100.0	-	-	-	-	100.0	-	-	-	-	-	-	-

Kenig Lindgren O'Hara Aboona, Inc.
9575 W. Higgins Rd., Suite 400

Rosemont, Illinois, United States 60018
(847)518-9990 kpachowicz@kloainc.com

Count Name: Burns St with Tri Lakes Rd TMC
Site Code:
Start Date: 04/12/2022

Turning Movement Peak Hour Data (7:00 AM)

Start Time	Tri Lakes Rd Westbound					Burns St Northbound					Burns St Southbound					
	Left	Right	U-Turn	Peds	App. Total	Thru	Right	U-Turn	Peds	App. Total	Left	Thru	U-Turn	Peds	App. Total	Int. Total
7:00 AM	2	3	0	0	5	24	1	0	0	25	2	22	0	0	24	54
7:15 AM	5	1	0	0	6	43	7	0	0	50	2	18	0	0	20	76
7:30 AM	2	2	0	0	4	51	2	0	0	53	0	20	0	0	20	77
7:45 AM	3	1	0	0	4	41	0	0	0	41	2	27	0	0	29	74
Total	12	7	0	0	19	159	10	0	0	169	6	87	0	0	93	281
Approach %	63.2	36.8	0.0	-	-	94.1	5.9	0.0	-	-	6.5	93.5	0.0	-	-	-
Total %	4.3	2.5	0.0	-	6.8	56.6	3.6	0.0	-	60.1	2.1	31.0	0.0	-	33.1	-
PHF	0.600	0.583	0.000	-	0.792	0.779	0.357	0.000	-	0.797	0.750	0.806	0.000	-	0.802	0.912
Lights	0	1	0	-	1	150	4	0	-	154	1	80	0	-	81	236
% Lights	0.0	14.3	-	-	5.3	94.3	40.0	-	-	91.1	16.7	92.0	-	-	87.1	84.0
Buses	0	0	0	-	0	2	0	0	-	2	0	2	0	-	2	4
% Buses	0.0	0.0	-	-	0.0	1.3	0.0	-	-	1.2	0.0	2.3	-	-	2.2	1.4
Single-Unit Trucks	9	6	0	-	15	5	2	0	-	7	5	4	0	-	9	31
% Single-Unit Trucks	75.0	85.7	-	-	78.9	3.1	20.0	-	-	4.1	83.3	4.6	-	-	9.7	11.0
Articulated Trucks	3	0	0	-	3	1	4	0	-	5	0	0	0	-	0	8
% Articulated Trucks	25.0	0.0	-	-	15.8	0.6	40.0	-	-	3.0	0.0	0.0	-	-	0.0	2.8
Bicycles on Road	0	0	0	-	0	1	0	0	-	1	0	1	0	-	1	2
% Bicycles on Road	0.0	0.0	-	-	0.0	0.6	0.0	-	-	0.6	0.0	1.1	-	-	1.1	0.7
Pedestrians	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Kenig Lindgren O'Hara Aboona, Inc.
9575 W. Higgins Rd., Suite 400

Rosemont, Illinois, United States 60018
(847)518-9990 kpachowicz@kloainc.com

Count Name: Burns St with Tri Lakes Rd TMC
Site Code:
Start Date: 04/12/2022

Turning Movement Peak Hour Data (4:00 PM)

Start Time	Tri Lakes Rd Westbound					Burns St Northbound					Burns St Southbound					
	Left	Right	U-Turn	Peds	App. Total	Thru	Right	U-Turn	Peds	App. Total	Left	Thru	U-Turn	Peds	App. Total	Int. Total
4:00 PM	4	0	0	0	4	26	2	0	0	28	1	36	0	0	37	69
4:15 PM	3	3	0	0	6	27	3	0	0	30	1	41	0	0	42	78
4:30 PM	3	0	0	1	3	29	2	0	1	31	0	42	0	0	42	76
4:45 PM	1	1	0	0	2	38	2	0	0	40	0	43	0	0	43	85
Total	11	4	0	1	15	120	9	0	1	129	2	162	0	0	164	308
Approach %	73.3	26.7	0.0	-	-	93.0	7.0	0.0	-	-	1.2	98.8	0.0	-	-	-
Total %	3.6	1.3	0.0	-	4.9	39.0	2.9	0.0	-	41.9	0.6	52.6	0.0	-	53.2	-
PHF	0.688	0.333	0.000	-	0.625	0.789	0.750	0.000	-	0.806	0.500	0.942	0.000	-	0.953	0.906
Lights	7	3	0	-	10	117	1	0	-	118	2	155	0	-	157	285
% Lights	63.6	75.0	-	-	66.7	97.5	11.1	-	-	91.5	100.0	95.7	-	-	95.7	92.5
Buses	0	0	0	-	0	2	0	0	-	2	0	0	0	-	0	2
% Buses	0.0	0.0	-	-	0.0	1.7	0.0	-	-	1.6	0.0	0.0	-	-	0.0	0.6
Single-Unit Trucks	2	0	0	-	2	0	6	0	-	6	0	3	0	-	3	11
% Single-Unit Trucks	18.2	0.0	-	-	13.3	0.0	66.7	-	-	4.7	0.0	1.9	-	-	1.8	3.6
Articulated Trucks	2	0	0	-	2	1	2	0	-	3	0	0	0	-	0	5
% Articulated Trucks	18.2	0.0	-	-	13.3	0.8	22.2	-	-	2.3	0.0	0.0	-	-	0.0	1.6
Bicycles on Road	0	1	0	-	1	0	0	0	-	0	0	4	0	-	4	5
% Bicycles on Road	0.0	25.0	-	-	6.7	0.0	0.0	-	-	0.0	0.0	2.5	-	-	2.4	1.6
Pedestrians	-	-	-	1	-	-	-	-	1	-	-	-	-	0	-	-
% Pedestrians	-	-	-	100.0	-	-	-	-	100.0	-	-	-	-	-	-	-

Kenig Lindgren O'Hara Aboona, Inc.
9575 W. Higgins Rd., Suite 400

Rosemont, Illinois, United States 60018
(847)518-9990 kpachowicz@kloainc.com

Count Name: Burns St with S Access Dr TMC
Site Code:
Start Date: 04/12/2022

Turning Movement Data

Start Time	Access Dr Westbound					Burns St Northbound					Burns Sr Southbound					
	Left	Right	U-Turn	Peds	App. Total	Thru	Right	U-Turn	Peds	App. Total	Left	Thru	U-Turn	Peds	App. Total	Int. Total
6:00 AM	0	0	0	0	0	5	1	0	0	6	0	9	0	0	9	15
6:15 AM	0	1	0	0	1	12	0	0	0	12	0	10	0	0	10	23
6:30 AM	1	0	0	1	1	15	1	0	0	16	2	19	0	0	21	38
6:45 AM	2	0	0	0	2	36	0	0	0	36	0	16	0	0	16	54
Hourly Total	3	1	0	1	4	68	2	0	0	70	2	54	0	0	56	130
7:00 AM	0	0	0	0	0	25	0	0	0	25	0	28	0	0	28	53
7:15 AM	0	0	0	0	0	31	1	0	0	32	0	23	0	0	23	55
7:30 AM	1	3	0	0	4	41	3	0	0	44	1	28	0	0	29	77
7:45 AM	0	0	0	0	0	39	0	0	0	39	0	24	0	0	24	63
Hourly Total	1	3	0	0	4	136	4	0	0	140	1	103	0	0	104	248
8:00 AM	0	0	0	0	0	27	0	0	0	27	1	23	0	0	24	51
8:15 AM	0	0	0	0	0	22	0	0	0	22	2	16	0	0	18	40
8:30 AM	2	2	0	0	4	18	0	0	0	18	0	21	0	0	21	43
8:45 AM	0	0	0	0	0	21	0	0	0	21	1	15	0	0	16	37
Hourly Total	2	2	0	0	4	88	0	0	0	88	4	75	0	0	79	171
*** BREAK ***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3:00 PM	0	1	0	0	1	26	1	0	0	27	1	25	0	0	26	54
3:15 PM	1	2	0	0	3	26	0	0	0	26	1	26	0	0	27	56
3:30 PM	1	2	0	0	3	24	0	0	0	24	2	34	0	0	36	63
3:45 PM	0	0	0	0	0	27	0	0	0	27	1	24	0	0	25	52
Hourly Total	2	5	0	0	7	103	1	0	0	104	5	109	0	0	114	225
4:00 PM	0	1	0	0	1	38	1	0	0	39	1	31	0	0	32	72
4:15 PM	0	3	0	0	3	25	1	0	0	26	1	39	0	0	40	69
4:30 PM	1	0	0	0	1	24	1	0	0	25	0	42	0	0	42	68
4:45 PM	2	1	0	0	3	33	1	0	0	34	1	38	0	0	39	76
Hourly Total	3	5	0	0	8	120	4	0	0	124	3	150	0	0	153	285
5:00 PM	1	0	0	0	1	29	0	0	0	29	0	33	0	0	33	63
5:15 PM	0	0	0	0	0	21	0	0	0	21	0	23	0	0	23	44
5:30 PM	0	0	0	0	0	19	0	0	0	19	1	28	0	0	29	48
5:45 PM	1	1	0	0	2	16	0	0	0	16	0	26	0	0	26	44
Hourly Total	2	1	0	0	3	85	0	0	0	85	1	110	0	0	111	199
Grand Total	13	17	0	1	30	600	11	0	0	611	16	601	0	0	617	1258
Approach %	43.3	56.7	0.0	-	-	98.2	1.8	0.0	-	-	2.6	97.4	0.0	-	-	-
Total %	1.0	1.4	0.0	-	2.4	47.7	0.9	0.0	-	48.6	1.3	47.8	0.0	-	49.0	-
Lights	6	10	0	-	16	546	5	0	-	551	8	544	0	-	552	1119
% Lights	46.2	58.8	-	-	53.3	91.0	45.5	-	-	90.2	50.0	90.5	-	-	89.5	89.0

Buses	0	0	0	-	0	5	0	0	-	5	0	4	0	-	4	9
% Buses	0.0	0.0	-	-	0.0	0.8	0.0	-	-	0.8	0.0	0.7	-	-	0.6	0.7
Single-Unit Trucks	3	7	0	-	10	35	2	0	-	37	8	35	0	-	43	90
% Single-Unit Trucks	23.1	41.2	-	-	33.3	5.8	18.2	-	-	6.1	50.0	5.8	-	-	7.0	7.2
Articulated Trucks	4	0	0	-	4	11	4	0	-	15	0	11	0	-	11	30
% Articulated Trucks	30.8	0.0	-	-	13.3	1.8	36.4	-	-	2.5	0.0	1.8	-	-	1.8	2.4
Bicycles on Road	0	0	0	-	0	3	0	0	-	3	0	7	0	-	7	10
% Bicycles on Road	0.0	0.0	-	-	0.0	0.5	0.0	-	-	0.5	0.0	1.2	-	-	1.1	0.8
Pedestrians	-	-	-	1	-	-	-	-	0	-	-	-	-	0	-	-
% Pedestrians	-	-	-	100.0	-	-	-	-	-	-	-	-	-	-	-	-

Kenig Lindgren O'Hara Aboona, Inc.
9575 W. Higgins Rd., Suite 400

Rosemont, Illinois, United States 60018
(847)518-9990 kpachowicz@kloainc.com

Count Name: Burns St with S Access Dr TMC
Site Code:
Start Date: 04/12/2022

Turning Movement Peak Hour Data (7:00 AM)

Start Time	Access Dr Westbound					Burns St Northbound					Burns Sr Southbound					
	Left	Right	U-Turn	Peds	App. Total	Thru	Right	U-Turn	Peds	App. Total	Left	Thru	U-Turn	Peds	App. Total	Int. Total
7:00 AM	0	0	0	0	0	25	0	0	0	25	0	28	0	0	28	53
7:15 AM	0	0	0	0	0	31	1	0	0	32	0	23	0	0	23	55
7:30 AM	1	3	0	0	4	41	3	0	0	44	1	28	0	0	29	77
7:45 AM	0	0	0	0	0	39	0	0	0	39	0	24	0	0	24	63
Total	1	3	0	0	4	136	4	0	0	140	1	103	0	0	104	248
Approach %	25.0	75.0	0.0	-	-	97.1	2.9	0.0	-	-	1.0	99.0	0.0	-	-	-
Total %	0.4	1.2	0.0	-	1.6	54.8	1.6	0.0	-	56.5	0.4	41.5	0.0	-	41.9	-
PHF	0.250	0.250	0.000	-	0.250	0.829	0.333	0.000	-	0.795	0.250	0.920	0.000	-	0.897	0.805
Lights	0	0	0	-	0	124	1	0	-	125	0	89	0	-	89	214
% Lights	0.0	0.0	-	-	0.0	91.2	25.0	-	-	89.3	0.0	86.4	-	-	85.6	86.3
Buses	0	0	0	-	0	3	0	0	-	3	0	1	0	-	1	4
% Buses	0.0	0.0	-	-	0.0	2.2	0.0	-	-	2.1	0.0	1.0	-	-	1.0	1.6
Single-Unit Trucks	1	3	0	-	4	5	2	0	-	7	1	11	0	-	12	23
% Single-Unit Trucks	100.0	100.0	-	-	100.0	3.7	50.0	-	-	5.0	100.0	10.7	-	-	11.5	9.3
Articulated Trucks	0	0	0	-	0	3	1	0	-	4	0	2	0	-	2	6
% Articulated Trucks	0.0	0.0	-	-	0.0	2.2	25.0	-	-	2.9	0.0	1.9	-	-	1.9	2.4
Bicycles on Road	0	0	0	-	0	1	0	0	-	1	0	0	0	-	0	1
% Bicycles on Road	0.0	0.0	-	-	0.0	0.7	0.0	-	-	0.7	0.0	0.0	-	-	0.0	0.4
Pedestrians	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Kenig Lindgren O'Hara Aboona, Inc.
9575 W. Higgins Rd., Suite 400

Rosemont, Illinois, United States 60018
(847)518-9990 kpachowicz@kloainc.com

Count Name: Burns St with S Access Dr TMC
Site Code:
Start Date: 04/12/2022

Turning Movement Peak Hour Data (4:00 PM)

Start Time	Access Dr Westbound					Burns St Northbound					Burns Sr Southbound					
	Left	Right	U-Turn	Peds	App. Total	Thru	Right	U-Turn	Peds	App. Total	Left	Thru	U-Turn	Peds	App. Total	Int. Total
4:00 PM	0	1	0	0	1	38	1	0	0	39	1	31	0	0	32	72
4:15 PM	0	3	0	0	3	25	1	0	0	26	1	39	0	0	40	69
4:30 PM	1	0	0	0	1	24	1	0	0	25	0	42	0	0	42	68
4:45 PM	2	1	0	0	3	33	1	0	0	34	1	38	0	0	39	76
Total	3	5	0	0	8	120	4	0	0	124	3	150	0	0	153	285
Approach %	37.5	62.5	0.0	-	-	96.8	3.2	0.0	-	-	2.0	98.0	0.0	-	-	-
Total %	1.1	1.8	0.0	-	2.8	42.1	1.4	0.0	-	43.5	1.1	52.6	0.0	-	53.7	-
PHF	0.375	0.417	0.000	-	0.667	0.789	1.000	0.000	-	0.795	0.750	0.893	0.000	-	0.911	0.938
Lights	2	5	0	-	7	107	2	0	-	109	2	140	0	-	142	258
% Lights	66.7	100.0	-	-	87.5	89.2	50.0	-	-	87.9	66.7	93.3	-	-	92.8	90.5
Buses	0	0	0	-	0	2	0	0	-	2	0	1	0	-	1	3
% Buses	0.0	0.0	-	-	0.0	1.7	0.0	-	-	1.6	0.0	0.7	-	-	0.7	1.1
Single-Unit Trucks	0	0	0	-	0	7	0	0	-	7	1	4	0	-	5	12
% Single-Unit Trucks	0.0	0.0	-	-	0.0	5.8	0.0	-	-	5.6	33.3	2.7	-	-	3.3	4.2
Articulated Trucks	1	0	0	-	1	4	2	0	-	6	0	2	0	-	2	9
% Articulated Trucks	33.3	0.0	-	-	12.5	3.3	50.0	-	-	4.8	0.0	1.3	-	-	1.3	3.2
Bicycles on Road	0	0	0	-	0	0	0	0	-	0	0	3	0	-	3	3
% Bicycles on Road	0.0	0.0	-	-	0.0	0.0	0.0	-	-	0.0	0.0	2.0	-	-	2.0	1.1
Pedestrians	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Kenig Lindgren O'Hara Aboona, Inc.
9575 W. Higgins Rd., Suite 400

Rosemont, Illinois, United States 60018
(847)518-9990 kpachowicz@kloainc.com

Count Name: Burns St with Avenue A TMC
Site Code:
Start Date: 04/12/2022

Turning Movement Data

Start Time	Avenue A Eastbound					Burns St Northbound					Burns St Southbound					
	Left	Right	U-Turn	Peds	App. Total	Left	Thru	U-Turn	Peds	App. Total	Thru	Right	U-Turn	Peds	App. Total	Int. Total
6:00 AM	4	1	0	0	5	1	5	0	0	6	7	1	0	0	8	19
6:15 AM	4	4	0	0	8	1	12	0	0	13	8	3	0	0	11	32
6:30 AM	8	4	0	0	12	3	18	0	0	21	16	4	0	0	20	53
6:45 AM	6	5	0	0	11	0	33	0	0	33	14	2	0	0	16	60
Hourly Total	22	14	0	0	36	5	68	0	0	73	45	10	0	0	55	164
7:00 AM	4	3	0	0	7	0	21	0	0	21	22	1	0	0	23	51
7:15 AM	20	8	0	0	28	0	33	0	0	33	20	7	0	0	27	88
7:30 AM	11	11	0	0	22	7	39	0	0	46	12	5	0	0	17	85
7:45 AM	11	6	0	0	17	3	33	0	0	36	27	5	0	0	32	85
Hourly Total	46	28	0	0	74	10	126	0	0	136	81	18	0	0	99	309
8:00 AM	8	4	0	0	12	4	25	0	0	29	15	1	0	0	16	57
8:15 AM	5	6	0	0	11	4	17	0	0	21	13	2	0	0	15	47
8:30 AM	8	6	0	0	14	2	16	0	0	18	10	3	0	0	13	45
8:45 AM	4	1	0	0	5	1	19	0	0	20	17	1	0	0	18	43
Hourly Total	25	17	0	0	42	11	77	0	0	88	55	7	0	0	62	192
*** BREAK ***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3:00 PM	8	3	0	0	11	3	24	0	0	27	26	6	0	0	32	70
3:15 PM	1	3	0	0	4	3	24	0	0	27	27	9	0	0	36	67
3:30 PM	3	2	0	0	5	4	22	0	0	26	30	10	0	0	40	71
3:45 PM	8	4	0	0	12	4	23	0	0	27	24	15	0	0	39	78
Hourly Total	20	12	0	0	32	14	93	0	0	107	107	40	0	0	147	286
4:00 PM	4	1	0	0	5	14	23	0	0	37	27	10	0	0	37	79
4:15 PM	9	3	0	0	12	6	23	0	0	29	37	11	0	0	48	89
4:30 PM	10	6	0	0	16	3	21	0	0	24	35	8	0	0	43	83
4:45 PM	10	4	0	1	14	7	31	0	0	38	33	10	0	0	43	95
Hourly Total	33	14	0	1	47	30	98	0	0	128	132	39	0	0	171	346
5:00 PM	7	2	0	0	9	4	20	0	0	24	27	14	0	0	41	74
5:15 PM	10	3	0	0	13	3	20	0	0	23	21	16	0	0	37	73
5:30 PM	6	7	0	0	13	3	15	0	0	18	21	7	0	0	28	59
5:45 PM	8	3	0	0	11	3	14	0	0	17	23	6	0	0	29	57
Hourly Total	31	15	0	0	46	13	69	0	0	82	92	43	0	0	135	263
Grand Total	177	100	0	1	277	83	531	0	0	614	512	157	0	0	669	1560
Approach %	63.9	36.1	0.0	-	-	13.5	86.5	0.0	-	-	76.5	23.5	0.0	-	-	-
Total %	11.3	6.4	0.0	-	17.8	5.3	34.0	0.0	-	39.4	32.8	10.1	0.0	-	42.9	-
Lights	172	96	0	-	268	81	474	0	-	555	450	152	0	-	602	1425
% Lights	97.2	96.0	-	-	96.8	97.6	89.3	-	-	90.4	87.9	96.8	-	-	90.0	91.3

Buses	1	4	0	-	5	2	3	0	-	5	0	3	0	-	3	13
% Buses	0.6	4.0	-	-	1.8	2.4	0.6	-	-	0.8	0.0	1.9	-	-	0.4	0.8
Single-Unit Trucks	2	0	0	-	2	0	40	0	-	40	44	1	0	-	45	87
% Single-Unit Trucks	1.1	0.0	-	-	0.7	0.0	7.5	-	-	6.5	8.6	0.6	-	-	6.7	5.6
Articulated Trucks	0	0	0	-	0	0	11	0	-	11	11	0	0	-	11	22
% Articulated Trucks	0.0	0.0	-	-	0.0	0.0	2.1	-	-	1.8	2.1	0.0	-	-	1.6	1.4
Bicycles on Road	2	0	0	-	2	0	3	0	-	3	7	1	0	-	8	13
% Bicycles on Road	1.1	0.0	-	-	0.7	0.0	0.6	-	-	0.5	1.4	0.6	-	-	1.2	0.8
Pedestrians	-	-	-	1	-	-	-	-	0	-	-	-	-	0	-	-
% Pedestrians	-	-	-	100.0	-	-	-	-	-	-	-	-	-	-	-	-

Kenig Lindgren O'Hara Aboona, Inc.
9575 W. Higgins Rd., Suite 400

Rosemont, Illinois, United States 60018
(847)518-9990 kpachowicz@kloainc.com

Count Name: Burns St with Avenue A TMC
Site Code:
Start Date: 04/12/2022

Turning Movement Peak Hour Data (7:00 AM)

Start Time	Avenue A Eastbound					Burns St Northbound					Burns St Southbound					
	Left	Right	U-Turn	Peds	App. Total	Left	Thru	U-Turn	Peds	App. Total	Thru	Right	U-Turn	Peds	App. Total	Int. Total
7:00 AM	4	3	0	0	7	0	21	0	0	21	22	1	0	0	23	51
7:15 AM	20	8	0	0	28	0	33	0	0	33	20	7	0	0	27	88
7:30 AM	11	11	0	0	22	7	39	0	0	46	12	5	0	0	17	85
7:45 AM	11	6	0	0	17	3	33	0	0	36	27	5	0	0	32	85
Total	46	28	0	0	74	10	126	0	0	136	81	18	0	0	99	309
Approach %	62.2	37.8	0.0	-	-	7.4	92.6	0.0	-	-	81.8	18.2	0.0	-	-	-
Total %	14.9	9.1	0.0	-	23.9	3.2	40.8	0.0	-	44.0	26.2	5.8	0.0	-	32.0	-
PHF	0.575	0.636	0.000	-	0.661	0.357	0.808	0.000	-	0.739	0.750	0.643	0.000	-	0.773	0.878
Lights	45	27	0	-	72	9	113	0	-	122	64	16	0	-	80	274
% Lights	97.8	96.4	-	-	97.3	90.0	89.7	-	-	89.7	79.0	88.9	-	-	80.8	88.7
Buses	0	1	0	-	1	1	2	0	-	3	0	2	0	-	2	6
% Buses	0.0	3.6	-	-	1.4	10.0	1.6	-	-	2.2	0.0	11.1	-	-	2.0	1.9
Single-Unit Trucks	1	0	0	-	1	0	7	0	-	7	11	0	0	-	11	19
% Single-Unit Trucks	2.2	0.0	-	-	1.4	0.0	5.6	-	-	5.1	13.6	0.0	-	-	11.1	6.1
Articulated Trucks	0	0	0	-	0	0	3	0	-	3	5	0	0	-	5	8
% Articulated Trucks	0.0	0.0	-	-	0.0	0.0	2.4	-	-	2.2	6.2	0.0	-	-	5.1	2.6
Bicycles on Road	0	0	0	-	0	0	1	0	-	1	1	0	0	-	1	2
% Bicycles on Road	0.0	0.0	-	-	0.0	0.0	0.8	-	-	0.7	1.2	0.0	-	-	1.0	0.6
Pedestrians	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-
% Pedestrians	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Kenig Lindgren O'Hara Aboona, Inc.
9575 W. Higgins Rd., Suite 400

Rosemont, Illinois, United States 60018
(847)518-9990 kpachowicz@kloainc.com

Count Name: Burns St with Avenue A TMC
Site Code:
Start Date: 04/12/2022

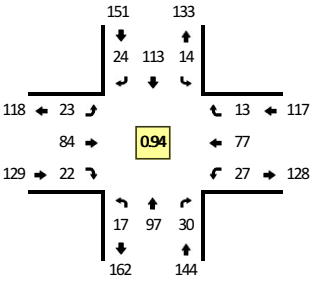
Turning Movement Peak Hour Data (4:00 PM)

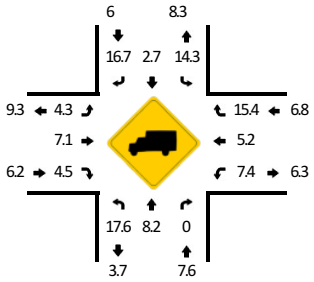
Start Time	Avenue A Eastbound					Burns St Northbound					Burns St Southbound					
	Left	Right	U-Turn	Peds	App. Total	Left	Thru	U-Turn	Peds	App. Total	Thru	Right	U-Turn	Peds	App. Total	Int. Total
4:00 PM	4	1	0	0	5	14	23	0	0	37	27	10	0	0	37	79
4:15 PM	9	3	0	0	12	6	23	0	0	29	37	11	0	0	48	89
4:30 PM	10	6	0	0	16	3	21	0	0	24	35	8	0	0	43	83
4:45 PM	10	4	0	1	14	7	31	0	0	38	33	10	0	0	43	95
Total	33	14	0	1	47	30	98	0	0	128	132	39	0	0	171	346
Approach %	70.2	29.8	0.0	-	-	23.4	76.6	0.0	-	-	77.2	22.8	0.0	-	-	-
Total %	9.5	4.0	0.0	-	13.6	8.7	28.3	0.0	-	37.0	38.2	11.3	0.0	-	49.4	-
PHF	0.825	0.583	0.000	-	0.734	0.536	0.790	0.000	-	0.842	0.892	0.886	0.000	-	0.891	0.911
Lights	31	13	0	-	44	29	88	0	-	117	120	39	0	-	159	320
% Lights	93.9	92.9	-	-	93.6	96.7	89.8	-	-	91.4	90.9	100.0	-	-	93.0	92.5
Buses	1	1	0	-	2	1	1	0	-	2	0	0	0	-	0	4
% Buses	3.0	7.1	-	-	4.3	3.3	1.0	-	-	1.6	0.0	0.0	-	-	0.0	1.2
Single-Unit Trucks	0	0	0	-	0	0	6	0	-	6	6	0	0	-	6	12
% Single-Unit Trucks	0.0	0.0	-	-	0.0	0.0	6.1	-	-	4.7	4.5	0.0	-	-	3.5	3.5
Articulated Trucks	0	0	0	-	0	0	3	0	-	3	2	0	0	-	2	5
% Articulated Trucks	0.0	0.0	-	-	0.0	0.0	3.1	-	-	2.3	1.5	0.0	-	-	1.2	1.4
Bicycles on Road	1	0	0	-	1	0	0	0	-	0	4	0	0	-	4	5
% Bicycles on Road	3.0	0.0	-	-	2.1	0.0	0.0	-	-	0.0	3.0	0.0	-	-	2.3	1.4
Pedestrians	-	-	-	1	-	-	-	-	0	-	-	-	-	0	-	-
% Pedestrians	-	-	-	100.0	-	-	-	-	-	-	-	-	-	-	-	-

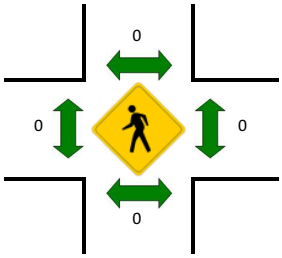
Type of peak hour being reported: Intersection Peak | Method for determining peak hour: Total Entering Volume

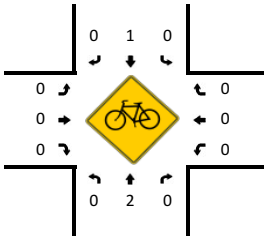
LOCATION: Bunn St -- E Lafayette St | **QC JOB #:** 15863103
CITY/STATE: Bloomington, IL | **DATE:** Wed, Jun 22 2022

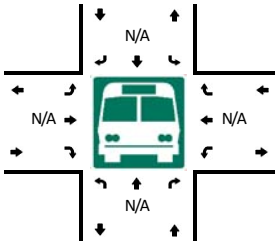
Peak-Hour: 3:30 PM -- 4:30 PM
Peak 15-Min: 4:00 PM -- 4:15 PM

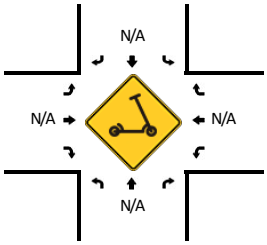












15-Min Count Period Beginning At	Bunn St (Northbound)				Bunn St (Southbound)				E Lafayette St (Eastbound)				E Lafayette St (Westbound)				Total	Hourly Totals
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
3:00 PM	3	22	10	0	6	14	8	0	13	22	4	0	8	13	2	0	125	
3:15 PM	1	27	9	0	3	21	5	0	7	23	1	0	7	17	8	0	129	
3:30 PM	2	21	6	0	4	22	7	0	12	24	5	0	8	18	6	0	135	
3:45 PM	6	19	8	0	4	26	6	0	3	20	3	0	7	19	2	0	123	512
4:00 PM	7	25	7	0	2	36	4	0	3	19	10	0	4	24	3	0	144	531
4:15 PM	2	32	9	0	4	29	7	0	5	21	4	0	8	16	2	0	139	541
4:30 PM	5	35	5	0	5	26	3	0	7	11	4	0	5	24	5	0	135	541
4:45 PM	1	13	6	0	1	20	8	0	11	20	5	0	6	19	6	0	116	534
5:00 PM	1	28	1	0	3	27	9	0	8	19	9	0	6	20	3	0	134	524
5:15 PM	1	24	5	0	1	20	10	0	2	20	6	1	6	18	1	0	115	500
5:30 PM	3	22	2	0	0	26	8	0	4	7	4	0	3	21	3	0	103	468
5:45 PM	3	15	9	0	0	16	9	0	8	12	5	0	7	7	2	0	93	445

Peak 15-Min Flowrates	Northbound				Southbound				Eastbound				Westbound				Total
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	
All Vehicles	28	100	28	0	8	144	16	0	12	76	40	0	16	96	12	0	576
Heavy Trucks	0	8	0		4	4	0		0	4	4		0	4	0		28
Buses																	
Pedestrians		0				0				0				0			0
Bicycles	0	4	0		0	0	0		0	0	0		0	0	0		4
Scooters																	

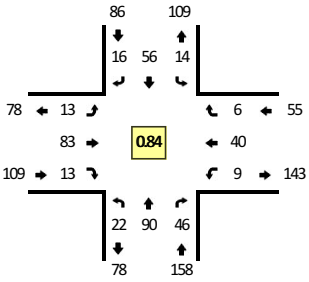
Comments:

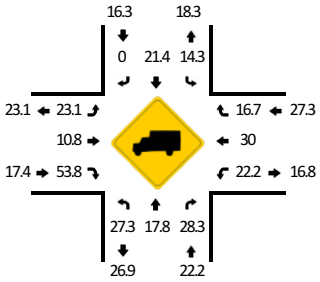
Report generated on 8/23/2022 8:11 AM | SOURCE: Quality Counts, LLC (http://www.qualitycounts.net) 1-877-580-2212

Type of peak hour being reported: Intersection Peak | Method for determining peak hour: Total Entering Volume

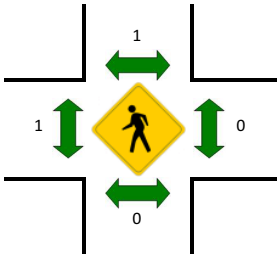
LOCATION: Bunn St -- E Lafayette St | **QC JOB #:** 15863102
CITY/STATE: Bloomington, IL | **DATE:** Wed, Jun 22 2022

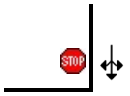
Peak-Hour: 7:00 AM -- 8:00 AM
Peak 15-Min: 7:45 AM -- 8:00 AM

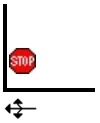


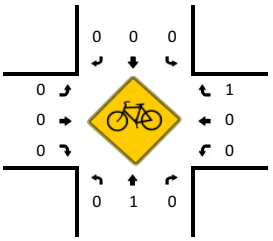


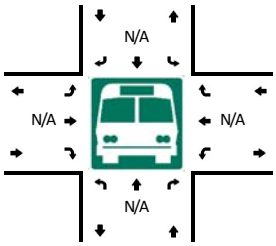
Quality Counts
DATA THAT DRIVES COMMUNITIES

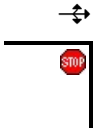


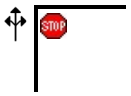


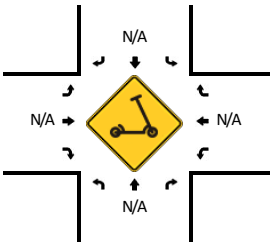












15-Min Count Period Beginning At	Bunn St (Northbound)				Bunn St (Southbound)				E Lafayette St (Eastbound)				E Lafayette St (Westbound)				Total	Hourly Totals
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
6:00 AM	4	4	1	0	0	6	5	0	2	8	1	0	2	4	2	0	39	
6:15 AM	4	7	3	0	2	4	4	0	0	11	1	0	1	4	0	0	41	
6:30 AM	8	19	4	0	4	7	3	0	3	18	2	0	3	12	0	0	83	
6:45 AM	7	16	8	0	3	16	5	0	2	17	6	0	6	16	1	0	103	266
7:00 AM	6	30	4	0	2	19	3	0	5	21	4	0	2	8	1	0	105	332
7:15 AM	5	19	10	0	2	11	2	0	2	12	3	0	5	7	2	0	80	371
7:30 AM	5	17	18	0	6	9	4	0	3	23	4	0	2	10	1	0	102	390
7:45 AM	6	24	14	0	4	17	7	0	3	27	2	0	0	15	2	0	121	408
8:00 AM	4	11	5	0	3	8	4	0	5	19	1	0	1	6	1	0	68	371
8:15 AM	6	16	5	0	1	11	6	0	0	11	4	0	5	5	0	0	70	361
8:30 AM	3	19	5	0	3	20	4	0	6	17	2	0	5	10	0	0	94	353
8:45 AM	4	17	4	0	2	15	2	0	7	11	1	0	4	14	2	0	83	315

Peak 15-Min Flowrates	Northbound				Southbound				Eastbound				Westbound				Total
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	
All Vehicles	24	96	56	0	16	68	28	0	12	108	8	0	0	60	8	0	484
Heavy Trucks	4	12	8		0	8	0		4	20	8		0	24	4		92
Buses																	
Pedestrians		0				0				0				0			0
Bicycles	0	0	0		0	0	0		0	0	0		0	0	0		0
Scooters																	

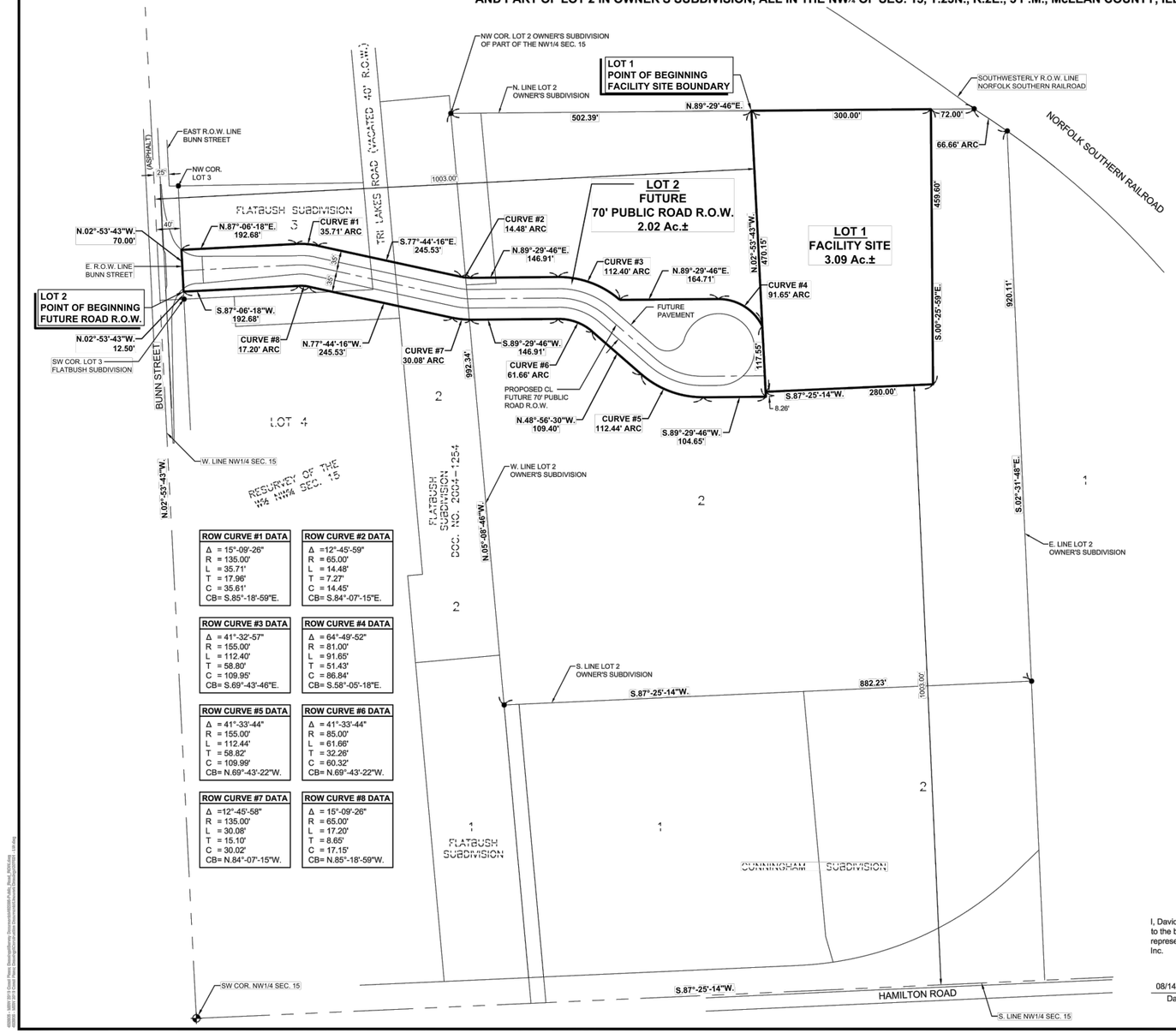
Comments:

Report generated on 8/23/2022 8:11 AM | SOURCE: Quality Counts, LLC (http://www.qualitycounts.net) 1-877-580-2212

HRC Site Plan

ASSESSMENT PLAT

PART OF LOTS 2 AND 3 IN FLATBUSH SUBDIVISION, PART OF LOT 4 IN RE-SURVEY OF THE W½ NW¼, PART OF VACATED TRI-LAKES ROAD AND PART OF LOT 2 IN OWNER'S SUBDIVISION, ALL IN THE NW¼ OF SEC. 15, T.23N., R.2E., 3 P.M., McLEAN COUNTY, ILLINOIS

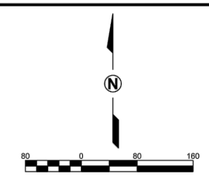


ROW CURVE #1 DATA	ROW CURVE #2 DATA
Δ = 15°-09'-26"	Δ =12°-45'-59"
R = 135.00'	R = 65.00'
L = 35.71'	L = 14.48'
T = 17.96'	T = 7.27'
C = 35.61'	C = 14.45'
CB= S.85°-18'-59"E.	CB= S.84°-07'-15"E.

ROW CURVE #3 DATA	ROW CURVE #4 DATA
Δ = 41°-32'-57"	Δ = 64°-49'-52"
R = 155.00'	R = 81.00'
L = 112.40'	L = 91.65'
T = 58.80'	T = 51.43'
C = 109.95'	C = 86.84'
CB= S.69°-43'-46"E.	CB= S.58°-05'-18"E.

ROW CURVE #5 DATA	ROW CURVE #6 DATA
Δ = 41°-33'-44"	Δ = 41°-33'-44"
R = 155.00'	R = 85.00'
L = 112.44'	L = 61.66'
T = 58.82'	T = 32.26'
C = 109.99'	C = 60.32'
CB= N.69°-43'-22"W.	CB= N.69°-43'-22"W.

ROW CURVE #7 DATA	ROW CURVE #8 DATA
Δ =12°-45'-58"	Δ = 15°-09'-26"
R = 135.00'	R = 65.00'
L = 30.08'	L = 17.20'
T = 15.10'	T = 8.65'
C = 30.02'	C = 17.15'
CB= N.84°-07'-15"W.	CB= N.85°-18'-59"W.



LEGEND
- SUBJECT PREMISES BOUNDARY
- RIGHT OF WAY CENTERLINE
- 5/8" IRON ROD FOUND (UNLESS OTHERWISE NOTED)

Lot1

Legal Description Facility Site

A part of Lot 2 in Owner's Subdivision of part of the NW¼ of Section 15, Township 23 North, Range 2 East of the Third Principal Meridian, McLean County, Illinois, more particularly described as follows: Commencing at the northwest corner of Lot 2 in Owner's Subdivision of part of the NW¼ of Section 15 according to the Plat thereof recorded in Plat Book 9 on Page 82; thence N.89°-29'-46"E. 502.39 feet on the north line of said Lot 2 to the Point of Beginning; thence continuing N.89°-29'-46"E. 300.00 feet on the north line of said Lot 2; thence S.00°-25'-59"E. 459.60 feet to a point 1003.00 feet north of the south line of the NW¼ of said Section 15; thence S.87°-25'-14"W. 280.00 feet parallel with the south line of the NW¼ of said Section 15 to a point 1003.00 feet east of the west line of the NW¼ of said Section 15; thence N.02°-53'-43"W. 470.15 feet parallel with the west line of the NW¼ of said Section 15 to the Point of Beginning containing 3.09 acres, more or less, with assumed bearings given for description purposes only.

Part of Tax Parcel ID #21-15-152-010

Lot 2

Future Public Street ROW Legal Description

A part of Lots 2 and 3 in Flatbush Subdivision, a part of Lot 4 in Re-Survey of the W½ of the NW¼, a part of vacated Tri-Lakes Road and a part of Lot 2 in Owner's Subdivision, all in the NW¼ of Section 15, Township 23 North, Range 2 East of the Third Principal Meridian, McLean County, Illinois, more particularly described as follows: Commencing at the southwest corner of Lot 3 in Flatbush Subdivision on the east right of way line of Bunn Street; thence N.02°-53'-43"W. 12.50 feet on the said east right of way line of Bunn Street and west line of said Lot 3 to the Point of Beginning; thence continuing N.02°-53'-43"W. 70.00 feet on the west line of said Lot 3 and east right of way line of Bunn Street; thence N.87°-06'-18"E. 192.68 feet; thence southeasterly 35.71 feet on a tangential curve concave to the southwest having a radius of 135.00 feet, central angle of 15°-09'-26" and a chord of 35.61 feet bearing S.85°-18'-59"E. from the last described course; thence S.77°-44'-16"E. 245.53 feet; thence easterly 14.48 feet on a tangential curve concave to the north having a radius of 65.00 feet, central angle of 12°-45'-59" and a chord of 14.45 feet bearing S.84°-07'-15"E. from the last described course; thence N.89°-29'-46"E. 146.91 feet; thence southeasterly 112.40 feet on a tangential curve concave to the southwest having a radius of 155.00 feet, central angle of 41°-32'-57" and a chord of 109.95 feet bearing S.69°-43'-46"E. from the last described course; thence N.89°-29'-46"E. 164.71 feet; thence southeasterly 91.65 feet on a tangential curve concave to the southwest having a radius of 81.00 feet, central angle of 64°-49'-52" and a chord of 86.84 feet bearing S.58°-05'-18"E. from the last described course, to a point 1003.00 feet east of the west line of the NW¼ of said Section 15; thence S.02°-53'-43"E. 117.55 feet parallel to the said west line of the NW¼ of Section 15; thence S.89°-29'-46"W. 104.65 feet; thence northwesterly 112.44 feet on a tangential curve concave to the northeast having a radius of 155.00 feet, central angle of 41°-33'-44" and a chord of 109.99 feet bearing N.69°-43'-22"W. from the last described course; thence N.48°-56'-30"W. 109.40 feet; thence westerly 61.66 feet on a tangential curve concave to the southwest having a radius of 85.00 feet, central angle of 41°-33'-44" and a chord of 60.32 feet bearing N.69°-43'-22"W. from the last described course; thence S.89°-29'-46"W. 146.91 feet; thence northwesterly 30.08 feet on a tangential curve concave to the northeast having a radius of 135.00 feet, central angle of 12°-45'-58" and a chord of 30.02 feet bearing N.84°-07'-15"W. from the last described course; thence N.77°-44'-16"W. 245.53 feet; thence northwesterly 17.20 feet on a tangential curve concave to the southwest having a radius of 65.00 feet, central angle of 15°-09'-26" and a chord of 17.15 feet bearing N.85°-18'-59"W. from the last described course; thence S.87°-06'-18"W. 192.68 feet to the Point of Beginning containing 2.02 acres, more or less, with assumed bearings given for description purposes only.

Part of Tax Parcel ID #21-15-151-018 & Part of Tax Parcel ID #21-15-152-010

Surveyor's Certificate

I, David P. Brown, Illinois Professional Land Surveyor No. 2725, do hereby certify that to the best of my knowledge and belief the plat shown hereon is an accurate representation of an assessment plat made under my direction for Henson Disposal, Inc.

08/14/2023
Date

David P. Brown
Illinois Professional Land Surveyor No. 2725
License Expires 11/30/2024

DAVID P. BROWN
2725
PROFESSIONAL LAND SURVEYOR
STATE OF ILLINOIS
BLOOMINGTON, ILLINOIS

LYB
www.lybinc.com

Lewis, Yockey & Brown, Inc.
Consulting Engineers & Land Surveyors
Professional Design Firm Registration #184.000806
505 North Main Street, Bloomington, Illinois
Ph. (309) 828-2552

REVISED	-
-	-
-	-
-	-
-	-
BK.	929
DRN.	MB/JSB/ELE
DSN.	DPB
APP.	DPB

HENSON DISPOSAL
MUNICIPAL SOLID WASTE TRANSFER STATION
FACILITY SITE & FUTURE
PUBLIC ROAD R.O.W. ASSESSMENT PLAT
MCLEAN COUNTY, ILLINOIS

SHEET **1**
OF: **1**
JOB #: **4920.05**

NO.	DATE	REVISION DESCRIPTION	BY

ANDREWS ENGINEERING
3300 GINGER CREEK DRIVE
SPRINGFIELD, ILLINOIS 62711-7233
PH (217) 787-2334 WWW.ANDREWS-ENG.COM
PONTIAC, IL • LOMBARD, IL • INDIANAPOLIS, IN • WARRENTON, MO

DESIGNED BY: KWF | DRAWN BY: MPN | APPROVED BY: KWF

ASSESSMENT PLAT

PREPARED FOR
LRS HENSON RECYCLING CAMPUS
TRANSFER STATION
BLOOMINGTON, MCLEAN COUNTY, ILLINOIS

DATE: AUGUST 2023

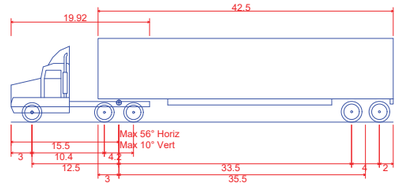
PROJECT ID: 230156/0013

SHEET NUMBER: **5**

© 2023 Andrews Engineering, Inc.

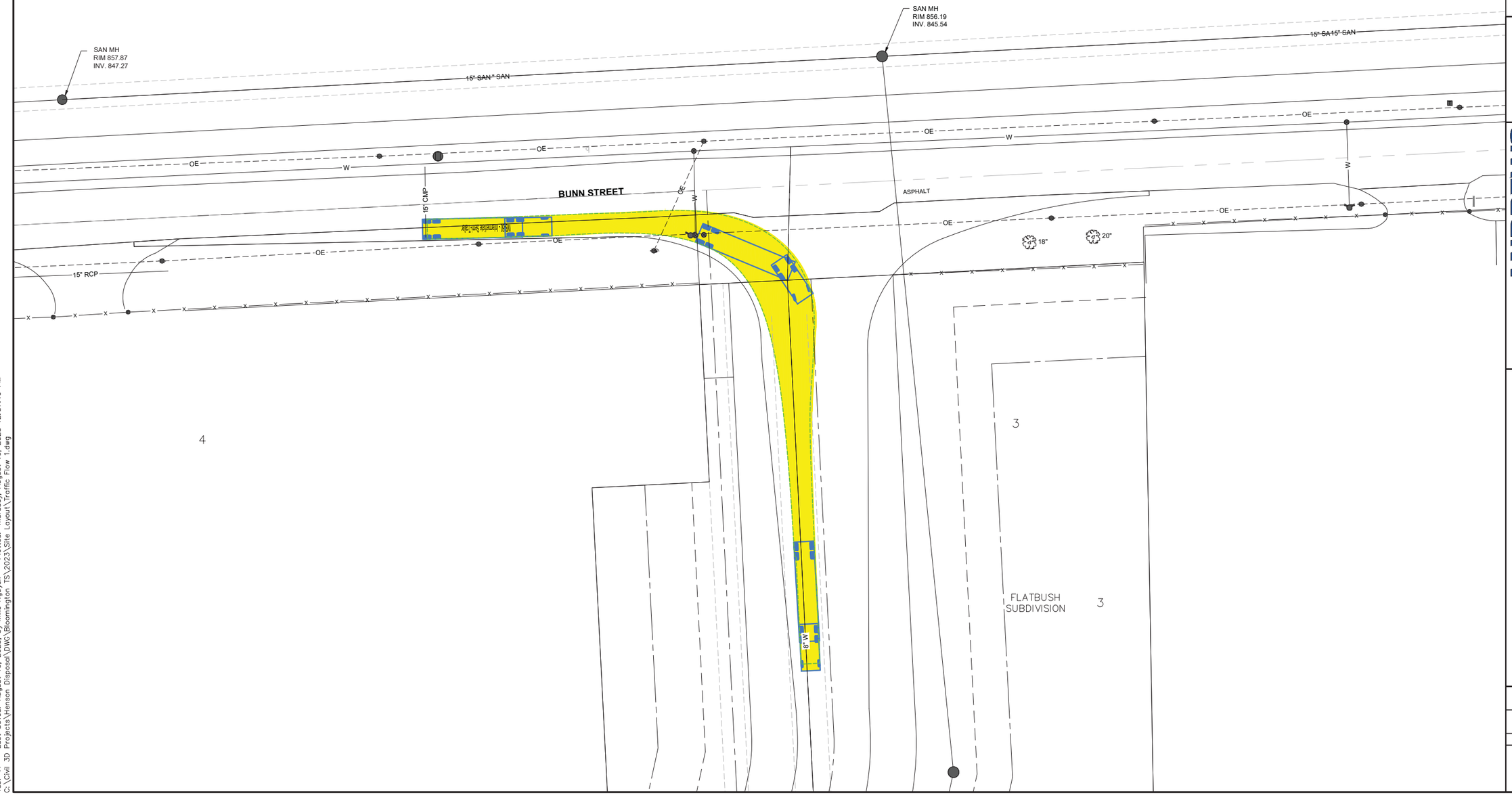
Tab: Layout1 Last Saved: August 15, 2023, by Mike Nguyen Plotted: Wednesday, August 16, 2023 9:07:03 AM
C:\Civil 3D Projects\Henson Disposal\DWG\Bloomington TS\2023\Site Layout\Plat of Survey.dwg

Bunn Street and New Public Road Intersection



WB-50 - Intermediate Semi-Trailer

Overall Length	55.000ft
Overall Width	8.500ft
Overall Body Height	12.052ft
Min Body Ground Clearance	1.334ft
Max Track Width	8.500ft
Lock-to-lock time	6.00s
Curb to Curb Turning Radius	45.000ft



NO.	DATE	REVISION DESCRIPTION	BY

ANDREWS ENGINEERING
3300 GINGER CREEK DRIVE
SPRINGFIELD, ILLINOIS 62711-7233
PH (217) 787-2334 WWW.ANDREWSENG.COM
PONTIAC, IL • LOMBARD, IL • INDIANAPOLIS, IN • WARRENTON, MO

DESIGNED BY: KWF | DRAWN BY: MPN | APPROVED BY: KWF

BUNN STREET ONTO HDI COURT TRANSFER TRUCK TURNS

PREPARED FOR
LRS HENSON RECYCLING CAMPUS
TRANSFER STATION
BLOOMINGTON, MCLEAN COUNTY, ILLINOIS

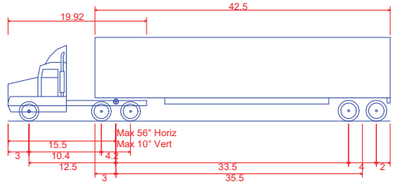
DATE: AUGUST 2023

PROJECT ID: 230156/0013

SHEET NUMBER: 11

© 2023 Andrews Engineering, Inc.

Tab: 11 Last Saved: August 10, 2023, by Mike Nguyen Plotted: Thursday, August 10, 2023 12:37:19 PM
C:\Civil 3D Projects\Henson Disposal\DWG\Bloomington TS\2023\Site Layout\Traffic Flow 1.dwg



WB-50 - Intermediate Semi-Trailer

Overall Length	55.000ft
Overall Width	8.500ft
Overall Body Height	12.052ft
Min Body Ground Clearance	1.334ft
Max Track Width	8.500ft
Lock-to-lock time	6.00s
Curb to Curb Turning Radius	45.000ft

N

20 0 20 40

SAN MH
RIM 857.87
INV. 847.27

SAN MH
RIM 856.19
INV. 845.54

15" SAN
15" SAN
15" SAN
15" SAN

OE
W
15" CMP
BUNN STREET
ASPHALT
15" RCP
18"
20"
8" W
4
3
FLATBUSH
SUBDIVISION
3

NO.	DATE	REVISION DESCRIPTION	BY

ANDREWS ENGINEERING
3300 GINGER CREEK DRIVE
SPRINGFIELD, ILLINOIS 62711-7233
PH (217) 787-2334 WWW.ANDREWSENG.COM
PONTIAC, IL • LOMBARD, IL • INDIANAPOLIS, IN • WARRENTON, MO

DESIGNED BY: KWF | DRAWN BY: MPN | APPROVED BY: KWF

HDI COURT ONTO BUNN STREET TRANSFER TRUCK TURNS

PREPARED FOR
LRS HENSON RECYCLING CAMPUS
TRANSFER STATION
BLOOMINGTON, MCLEAN COUNTY, ILLINOIS

DATE: AUGUST 2023

PROJECT ID: 230156/0013

SHEET NUMBER: 12

© 2023 Andrews Engineering, Inc.

Tab: 12 Last Saved: August 10, 2023, by Mike Nguyen Plotted: Thursday, August 10, 2023 12:36:59 PM
C:\Civil 3D Projects\Henson Disposal\DWG\Bloomington TS\2023\Site Layout\Traffic Flow 1.dwg

Hamilton Road/Bunn Street IDS - Prepared by the Consultant Retained by the City of Bloomington for the Hamilton Road East-West Connection Project

TRAFFIC DATA

MOVEMENT	YEAR 2015 30TH MAXIMUM HOUR TRAFFIC (EXISTING)		PERCENT TRUCK TRAFFIC		ESTIMATED PERCENT INCREASE BY 2021		YEAR 2021 30TH MAXIMUM HOUR TRAFFIC (FORECASTED)		ESTIMATED PERCENT INCREASE BY 2041		YEAR 2041 30TH MAXIMUM HOUR TRAFFIC (FORECASTED)	
	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
AD (L)	27	27	22%	4%	-63%	-63%	10	10	-37%	-37%	17	17
AB (T)	19	59	5%	3%	104%	31%	39	78	241%	120%	65	130
AC (R)	70	86	12%	2%	-71%	-52%	20	41	-51%	-21%	34	68
BC (L)	9	12	0%	0%	94%	190%	17	35	349%	574%	40	81
BA (T)	30	38	7%	0%	-29%	-25%	21	28	65%	73%	49	66
BD (R)	11	22	0%	0%	392%	146%	54	54	1041%	470%	126	126
CA (L)	0	69	10%	12%	-20%	-55%	63	31	45%	-19%	115	56
CD (T)	204	109	4%	4%	165%	141%	540	263	378%	336%	975	475
CB (R)	11	16	14%	0%	160%	-13%	29	14	369%	57%	52	25
DB (L)	18	29	6%	7%	191%	141%	52	70	468%	370%	102	136
DC (T)	174	396	3%	1%	67%	47%	291	581	226%	186%	567	1134
DA (R)	26	42	19%	5%	-63%	-45%	10	23	-13%	8%	23	45
TOTAL A	251	321					164	211			302	382
TOTAL B	98	176					213	279			434	563
TOTAL C	547	688					960	965			1783	1840
TOTAL D	460	625					957	1001			1809	1933

T = THROUGH, L = LEFT, R = RIGHT

SIGNALIZED CAPACITY DESIGN ANALYSIS

PROGRAM USED: HCS 7 , VERSION: 7.5 SIGNAL TYPE: ACTUATED AREA TYPE: NON-CBD
NUMBER OF PHASES: (A.M.) 4 (P.M.) 4 CYCLE LENGTH: (A.M.) 110 SEC (P.M.) 110 SEC. PHF: (A.M.) 0.94 (P.M.) 0.94
INTERSECTION DELAY/LEVEL-OF-SERVICE (A.M.) 30.0 SEC. LOS C (P.M.) 29.9 SEC LOS C

APPROACH		Hamilton Road (C)			Hamilton Road (D)			Bunn Street (B)			Bunn Street (A)		
LANE GROUP		L	T	TR	L	T	TR	L	TR		L	TR	
NUMBER OF LANES		1	1	1	1	1	1	1	1		1	1	
2041 30TH MAX. HOUR	AM	115	487	540	102	283	307	40	175		17	99	
TRAFFIC (VEH/H)	PM	56	237	263	136	567	612	81	192		17	198	
BASE SATURATION FLOW RATE (VEH/H)		1900	1900	1900	1900	1900	1900	1900	1900		1900	1900	
LANE WIDTH (FT)		11	11	11	11	11	11	11	11		11	11	
VOLUME OF RIGHT TURN ON RED (VEH/HR)		AM 0	PM 0		AM 0	PM 0		AM 0	PM 0		AM 0	PM 0	
PEDESTRIANS/HOUR (PED/H) COUNT		AM 50	PM 50		AM 50	PM 50		AM 50	PM 50		AM 50	PM 50	
ARRIVAL TYPE		4			4			3			3		
LANE UTILIZATION ADJUSTEMENT FACTOR		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		1.00	1.00	
GREEN TIME	AM	47.0	41.0	41.0	47.0	41.0	41.0	39.0	32.0		39.0	32.0	
(SECONDS)	PM	50.0	44.0	44.0	50.0	44.0	44.0	36.0	30.0		36.0	30.0	
GREEN Ratio	AM	0.43	0.37	0.37	0.43	0.37	0.37	0.35	0.29		0.35	0.29	
(g/C)	PM	0.45	0.40	0.40	0.45	0.40	0.40	0.33	0.27		0.33	0.27	
CAPACTIY	AM	338	686	668	210	692	678	479	444		337	492	
(c)	PM	195	736	718	407	754	739	345	445		336	466	
v/c	AM	0.36	0.81	0.81	0.52	0.46	0.46	0.09	0.42		0.05	0.21	
RATIO (X)	PM	0.31	0.37	0.37	0.36	0.84	0.84	0.25	0.46		0.05	0.45	
STORAGE QUEUE	AM	110	489	541	94	282	304	49	200		17	115	
FEET	PM	52	225	241	122	524	588	86	221		17	221	
LANE GROUP DELAY	AM	23.2	34.2	34.4	32.7	22.6	22.7	24.1	34.4		24.3	30.4	
(SECONDS/VEHICLE)	PM	26.4	19.0	19.0	20.7	33.5	33.8	28.7	36.6		26.3	36.3	
LANE GROUP	AM	C	C	C	C	C	C	C	C		C	C	
LEVEL-OF-SERVICE	PM	C	B	B	C	C	C	C	D		C	D	
APPROACH DELAY	AM	33.2			24.1			32.5			29.5		
(SECONDS/VEHICLE)	PM	19.7			32.3			34.3			35.5		
APPROACH	AM	C			C			C			C		
LEVEL-OF-SERVICE	PM	B			C			C			D		

ELEMENTS CONTROLLING DESIGN

PREFERRED ROUTE:

FAU ROUTE NUMBER: 6371
STREET NAME: HAMILTON ROAD
SRA ROUTE: NO
FUNCTIONAL CLASSIFICATION: MINOR ARTERIAL
OSOW DESIGN: NO
WEST APPROACH:
EXISTING ADT: 5600 (2015) DESIGN YEAR ADT: 11,700 (2041)
EAST APPROACH
EXISTING ADT: 5200 (2015) DESIGN YEAR ADT: 12,000 (2041)
PROPOSED DESIGN SPEED: 35 MPH PROPOSED POSTED SPEED: 35 MPH

SECONDARY ROUTE:

FAU ROUTE NUMBER: 6403
STREET NAME: BUNN STREET
SRA ROUTE: NO
FUNCTIONAL CLASSIFICATION: MAJOR COLLECTOR TO NORTH
MINOR COLLECTOR TO SOUTH
OSOW DESIGN: NO
NORTH APPROACH
EXISTING ADT: 2650 (2015) DESIGN YEAR ADT: 5050 (2041)
SOUTH APPROACH
EXISTING ADT: 1750 (2015) DESIGN YEAR ADT: 5000 (2041)
PROPOSED DESIGN SPEED: 35 MPH PROPOSED POSTED SPEED: 35 MPH

IMPROVEMENT TYPE: RECONSTRUCTION OF HAMILTON ROAD (EAST LEG)
ANTICIPATED YEAR OF CONSTRUCTION: 2021
EXISTING METHOD OF TRAFFIC CONTROL: AWSC
PROPOSED METHOD OF TRAFFIC CONTROL: TRAFFIC SIGNAL
SIGNAL WARRANT: 1B (2041) AND 6 (2021)
DESIGN VEHICLE: WB-55
DESIGN YEAR: 2041 (20 YEAR DESIGN)
TRUCK ROUTE DESIGNATION:
PREFERRED ROADWAY: NOT A TRUCK ROUTE
SECONDARY ROADWAY: NOT A TRUCK ROUTE
DESIGN CRITERIA: HAMILTON ROAD (EAST LEG) - RECONSTRUCTION (BLRS)
ALL OTHER LEGS - 3R (BLRS)

GENERAL NOTES

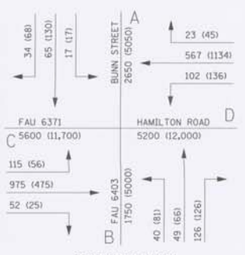
ARE PROFILES PROVIDED: YES.
TYPE B-6.18 CURB AND GUTTER TO BE USED ON THE OUTER EDGES OF PAVEMENT.
ALL DIMENSIONS ARE E-E UNLESS OTHERWISE NOTED.
THE RIGHT-OF-WAY LIMITS ARE PRELIMINARY
ENTRANCES FLARES SHALL CONFORM TO THE CITY OF BLOOMINGTON STANDARDS, AND ENTRANCE GRADE AND WIDTH SHALL CONFORM TO BLR STANDARDS
PAVEMENT MARKINGS TO BE MODIFIED UREATHANE.
PAVEMENT MARKINGS SHALL CONFORM TO THE LATEST MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, IDOT STANDARD DETAILS, AND ALL CITY OF BLOOMINGTON STANDARD DETAILS. LANE DESIGNATION ARROWS WILL BE DETERMINED THROUGH COORDINATION WITH BUREAU OF OPERATIONS POLICIES.
INTERSECTION IS NOT A HIGH CRASH LOCATION.
SCOPE OF WORK: RECONSTRUCTION OF HAMILTON ROAD (EAST LEG)
DESIGN EXCEPTION: -THROUGH QUEUES BLOCK LEFT TURN LANE ON ALL LEGS - STORAGE IS PROVIDED FOR LEFT TURN QUEUE AND IT IS A COMMON URBAN CONDITION
-STOP BARS ARE GREATER THAN 30' FROM OPPOSING THROUGH EDGE OF PAVEMENT - ACCOMMODATES DESIGN VEHICLE.
-NORTHBOUND AND SOUTHBOUND LEFT TURN LANES ARE HALF-SHELTERED TO REDUCE CONSTRUCTION LIMITS - COMMON URBAN CONDITION
AUTOTURN VERSION 9.1 USED TO DESIGN PROPOSED RADII.
CURBS TO BE DEPRESSED AT SIDEWALKS TO MEET CURRENT ADA/PROWAG STANDARDS.
INTERSECTION MEETS IDOT INTERSECTION SIGHT DISTANCE POLICY.
ADDITIONAL NOTES:
- ACCESS CONTROL STRIPS WILL BE PURCHASED IN EACH INTERSECTION QUADRANT
- STORAGE DISTANCES WERE DESIGNED USING THE ACTUATED, UNCOORDINATION 95TH PERCENTILE QUEUE FROM HCS
- EXISTING ROW ON SOUTH LEG OF BUNN STREET IS PRESCRIPTIVE. PROPOSED ROW WILL BE PURCHASED TO DELINEATED ROW.

PROJECT BEGINS STA. 9+86.57
PC Sta 9+20.70
PI Sta 10+67.63
PRC Sta 12+14.54
HAMILTON ROAD
PROP. CURVE HAM PAL 3
PROP. CURVE HAM PAL 4
PROJECT ENDS STA. 211+41.93
PROP. CURVE HAM_PAL_3
PI STA. = 10+67.63
Δ = 1° 51' 19" (RT)
D = 0° 37' 53"
R = 9,075.00'
T = 146.93'
L = 293.84'
E = 1.19'
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA. = 9+20.70
P.T. STA. = 12+14.54
STA. 16+69.11 HAMILTON ROAD = STA. 207+02.56 BUNN STREET
PCC Sta 15+89.34
PT Sta 17+63.32
90°11'25"
FAU 6371 (HAMILTON ROAD)
PROP. CURVE HAM_PAL_4
PI STA. = 14+01.96
Δ = 2° 21' 59" (LT)
D = 0° 37' 53"
R = 9,075.00'
T = 187.43'
L = 374.80'
E = 1.94'
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA. = 12+14.54
P.T. STA. = 15+89.34
PROP. CURVE HAM PAL 5
PROP. CURVE HAM_PAL_5
PI STA. = 16+76.37
Δ = 3° 59' 15" (LT)
D = 2° 17' 31"
R = 2,500.00'
T = 87.03'
L = 173.99'
E = 1.51'
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA. = 15+89.34
P.T. STA. = 17+63.32
FAU 6403 (BUNN STREET)
PROJECT BEGINS STA. 202+34.29

PROPOSED PHASING

PHASE		1	YELLOW	RED	2	YELLOW	RED	3	YELLOW	RED	4	YELLOW	RED	CYCLE LENGTH
GREEN TIME IN SECONDS	AM	6.0	4.0	2.0	41.0	4.0	2.0	7.0	4.0	2.0	32.0	4.0	2.0	110 SEC.
	PM	6.0	4.0	2.0	44.0	4.0	2.0	6.0	4.0	2.0	30.0	4.0	2.0	110 SEC.

GRAPHIC SCALE 50 0 50



INTERSECTION DESIGN STUDY

FAU ROUTE 6371 (HAMILTON ROAD)
WITH
FAU ROUTE 6403 (BUNN STREET)

SEC. NO. 16-00360-00-PV PROJ. NO.
SCALE 1"=50' COUNTY McLEAN
SJN : REV. NO.
DESIGNED BY HANSON KURT BIALOBRESKI DATE 2-12-19
APPROVED CITY ENGINEER DATE 7/16/19
CADD FILE NAME : ( ) I.D.S. SHEET 1 OF 5

BDE-9908

PLOT DATE = 7/10/2019
FILE NAME = i:\15Jobs\15L0098\CAD\Road\Sheet\Traffic\IDS-1.dgn
PLOT SCALE = 50.0000 '/ in.
USER NAME = Anderr00846

TRAFFIC DATA

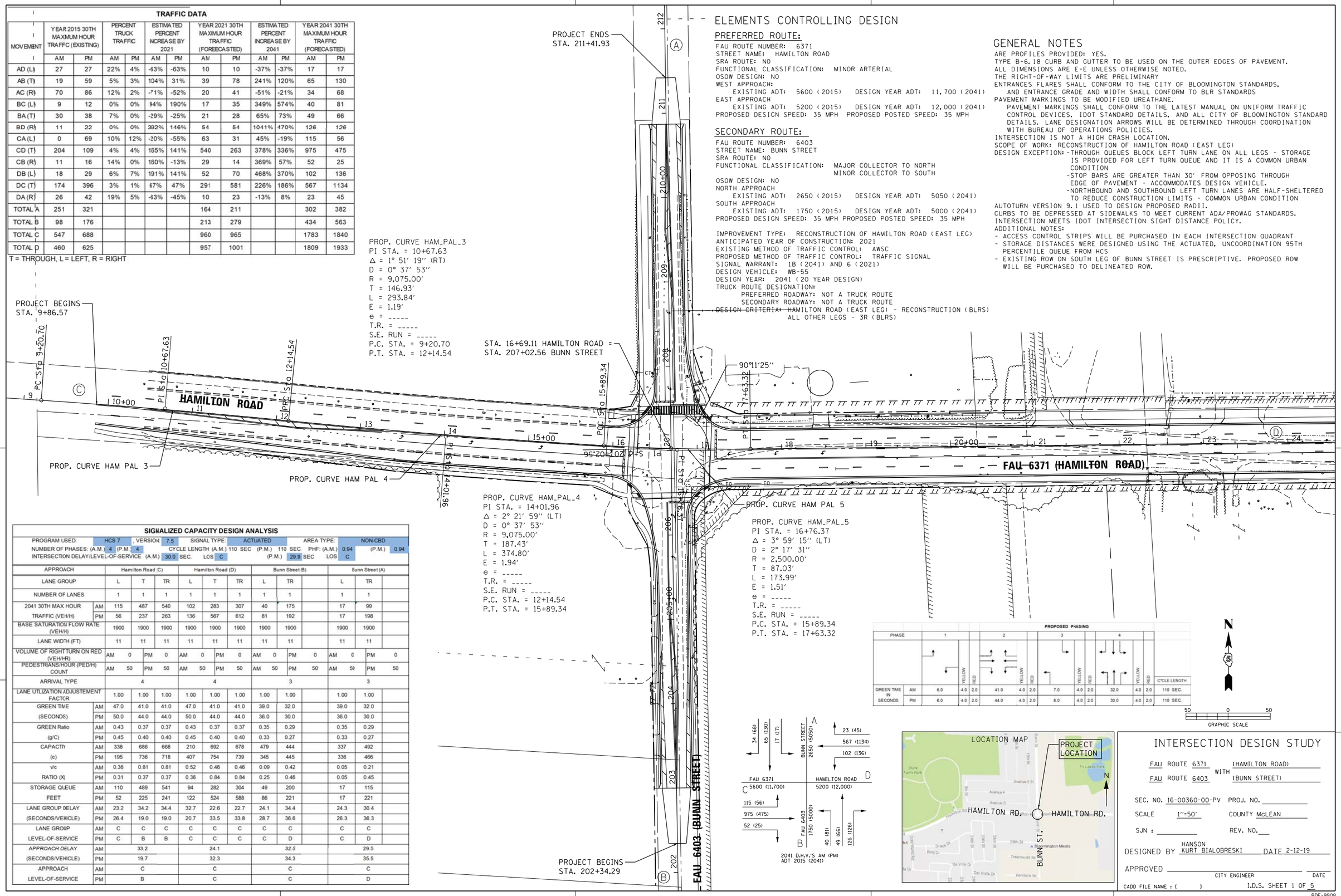
MOVEMENT	YEAR 2015 30TH MAXIMUM HOUR TRAFFC (EXISTING)		PERCENT TRUCK TRAFFIC		ESTIMATED PERCENT INCREASE BY 2021		YEAR 2021 30TH MAXIMUM HOUR TRAFFIC (FOREECASTED)		ESTIMATED PERCENT INCREASE BY 2041		YEAR 2041 30TH MAXIMUM HOUR TRAFFIC (FORECASTED)	
	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
AD (L)	27	27	22%	4%	-63%	-63%	10	10	-37%	-37%	17	17
AB (T)	19	59	5%	3%	104%	31%	39	78	241%	120%	65	130
AC (R)	70	86	12%	2%	-71%	-52%	20	41	-51%	-21%	34	68
BC (L)	9	12	0%	0%	94%	190%	17	35	349%	574%	40	81
BA (T)	30	38	7%	0%	-29%	-25%	21	28	65%	73%	49	66
BD (R)	11	22	0%	0%	392%	146%	54	54	1041%	470%	126	126
CA (L)	0	69	10%	12%	-20%	-55%	63	31	45%	-19%	115	56
CD (T)	204	109	4%	4%	165%	141%	540	263	378%	336%	975	475
CB (R)	11	16	14%	0%	160%	-13%	29	14	369%	57%	52	25
DB (L)	18	29	6%	7%	191%	141%	52	70	468%	370%	102	136
DC (T)	174	396	3%	1%	67%	47%	291	581	226%	186%	567	1134
DA (R)	26	42	19%	5%	-63%	-45%	10	23	-13%	8%	23	45
TOTAL A	251	321					164	211			302	382
TOTAL B	98	176					213	279			434	563
TOTAL C	547	688					960	965			1783	1840
TOTAL D	460	625					957	1001			1809	1933

T = THROUGH, L = LEFT, R = RIGHT

SIGNALIZED CAPACITY DESIGN ANALYSIS

PROGRAM USED: HCS 7 , VERSION: 7.5 SIGNAL TYPE: ACTUATED AREA TYPE: NON-CBD
NUMBER OF PHASES: (A.M.) 4 (P.M.) 4 CYCLE LENGTH (A.M.) 110 SEC (P.M.) 110 SEC PHF: (A.M.) 0.94 (P.M.) 0.94
INTERSECTION DELAY/LEVEL-OF-SERVICE (A.M.) 30.0 SEC. LOS C (P.M.) 29.9 SEC LOS C

APPROACH		Hamilton Road (C)			Hamilton Road (D)			Bunn Street (B)			Bunn Street (A)		
LANE GROUP		L	T	TR	L	T	TR	L	TR		L	TR	
NUMBER OF LANES		1	1	1	1	1	1	1	1		1	1	
2041 30TH MAX HOUR	AM	115	487	540	102	283	307	40	175		17	99	
TRAFFIC (VEH/H)	PM	56	237	263	136	567	612	81	192		17	198	
BASE SATURATION FLOW RATE (VEH/H)		1900	1900	1900	1900	1900	1900	1900	1900		1900	1900	
LANE WIDTH (FT)		11	11	11	11	11	11	11	11		11	11	
VOLUME OF RIGHT TURN ON RED (VEH/HR)	AM	0	PM	0	AM 0	PM	0	AM 0	PM	0	AM 0	PM	0
PEDESTRIANS/HOUR (PED/H) COUNT	AM	50	PM	50	AM 50	PM	50	AM 50	PM	50	AM 50	PM	50
ARRIVAL TYPE		4			4			3			3		
LANE UTILIZATION ADJUSTEMENT FACTOR		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		1.00	1.00	
GREEN TIME	AM	47.0	41.0	41.0	47.0	41.0	41.0	39.0	32.0		39.0	32.0	
(SECONDS)	PM	50.0	44.0	44.0	50.0	44.0	44.0	36.0	30.0		36.0	30.0	
GREEN Ratio	AM	0.43	0.37	0.37	0.43	0.37	0.37	0.35	0.29		0.35	0.29	
(g/C)	PM	0.45	0.40	0.40	0.45	0.40	0.40	0.33	0.27		0.33	0.27	
CAPACITY	AM	338	686	668	210	692	678	479	444		337	492	
(c)	PM	195	736	718	407	754	739	345	445		336	466	
v/c	AM	0.36	0.81	0.81	0.52	0.46	0.46	0.09	0.42		0.05	0.21	
RATIO (X)	PM	0.31	0.37	0.37	0.36	0.84	0.84	0.25	0.46		0.05	0.45	
STORAGE QUEUE	AM	110	489	541	94	282	304	49	200		17	115	
FEET	PM	52	225	241	122	524	588	86	221		17	221	
LANE GROUP DELAY	AM	23.2	34.2	34.4	32.7	22.6	22.7	24.1	34.4		24.3	30.4	
(SECONDS/VEHICLE)	PM	26.4	19.0	19.0	20.7	33.5	33.8	28.7	36.6		26.3	36.3	
LANE GROUP	AM	C	C	C	C	C	C	C	C		C	C	
LEVEL-OF-SERVICE	PM	C	B	B	C	C	C	C	D		C	D	
APPROACH DELAY	AM		33.2			24.1			32.5			29.5	
(SECONDS/VEHICLE)	PM		19.7			32.3			34.3			35.5	
APPROACH	AM		C			C			C			C	
LEVEL-OF-SERVICE	PM		B			C			C			D	



ELEMENTS CONTROLLING DESIGN

PREFERRED ROUTE:

FAU ROUTE NUMBER: 6371
STREET NAME: HAMILTON ROAD
SRA ROUTE: NO
FUNCTIONAL CLASSIFICATION: MINOR ARTERIAL
OSOW DESIGN: NO
WEST APPROACH:
EXISTING ADT: 5600 (2015) DESIGN YEAR ADT: 11,700 (2041)
EAST APPROACH
EXISTING ADT: 5200 (2015) DESIGN YEAR ADT: 12,000 (2041)
PROPOSED DESIGN SPEED: 35 MPH PROPOSED POSTED SPEED: 35 MPH

SECONDARY ROUTE:

FAU ROUTE NUMBER: 6403
STREET NAME: BUNN STREET
SRA ROUTE: NO
FUNCTIONAL CLASSIFICATION: MAJOR COLLECTOR TO NORTH
MINOR COLLECTOR TO SOUTH
OSOW DESIGN: NO
NORTH APPROACH
EXISTING ADT: 2650 (2015) DESIGN YEAR ADT: 5050 (2041)
SOUTH APPROACH
EXISTING ADT: 1750 (2015) DESIGN YEAR ADT: 5000 (2041)
PROPOSED DESIGN SPEED: 35 MPH PROPOSED POSTED SPEED: 35 MPH

IMPROVEMENT TYPE: RECONSTRUCTION OF HAMILTON ROAD (EAST LEG)
ANTICIPATED YEAR OF CONSTRUCTION: 2021
EXISTING METHOD OF TRAFFIC CONTROL: AWSC
PROPOSED METHOD OF TRAFFIC CONTROL: TRAFFIC SIGNAL
SIGNAL WARRANT: 1B (2041) AND 6 (2021)
DESIGN VEHICLE: WB-55
DESIGN YEAR: 2041 (20 YEAR DESIGN)
TRUCK ROUTE DESIGNATION:
PREFERRED ROADWAY: NOT A TRUCK ROUTE
SECONDARY ROADWAY: NOT A TRUCK ROUTE
DESIGN CRITERIA: HAMILTON ROAD (EAST LEG) - RECONSTRUCTION (BLRS)
ALL OTHER LEGS - 3R (BLRS)

GENERAL NOTES

ARE PROFILES PROVIDED: YES.
TYPE B-6.18 CURB AND GUTTER TO BE USED ON THE OUTER EDGES OF PAVEMENT.
ALL DIMENSIONS ARE E-E UNLESS OTHERWISE NOTED.
THE RIGHT-OF-WAY LIMITS ARE PRELIMINARY
ENTRANCES FLARES SHALL CONFORM TO THE CITY OF BLOOMINGTON STANDARDS, AND ENTRANCE GRADE AND WIDTH SHALL CONFORM TO BLR STANDARDS
PAVEMENT MARKINGS TO BE MODIFIED UREATHANE.
PAVEMENT MARKINGS SHALL CONFORM TO THE LATEST MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, IDOT STANDARD DETAILS, AND ALL CITY OF BLOOMINGTON STANDARD DETAILS. LANE DESIGNATION ARROWS WILL BE DETERMINED THROUGH COORDINATION WITH BUREAU OF OPERATIONS POLICIES.
INTERSECTION IS NOT A HIGH CRASH LOCATION.
SCOPE OF WORK: RECONSTRUCTION OF HAMILTON ROAD (EAST LEG)
DESIGN EXCEPTION: -THROUGH QUEUES BLOCK LEFT TURN LANE ON ALL LEGS - STORAGE IS PROVIDED FOR LEFT TURN QUEUE AND IT IS A COMMON URBAN CONDITION
-STOP BARS ARE GREATER THAN 30' FROM OPPOSING THROUGH EDGE OF PAVEMENT - ACCOMMODATES DESIGN VEHICLE.
-NORTHBOUND AND SOUTHBOUND LEFT TURN LANES ARE HALF-SHELTERED TO REDUCE CONSTRUCTION LIMITS - COMMON URBAN CONDITION
AUTOTURN VERSION 9.1 USED TO DESIGN PROPOSED RADII.
CURBS TO BE DEPRESSED AT SIDEWALKS TO MEET CURRENT ADA/PROWAG STANDARDS.
INTERSECTION MEETS IDOT INTERSECTION SIGHT DISTANCE POLICY.
ADDITIONAL NOTES:
- ACCESS CONTROL STRIPS WILL BE PURCHASED IN EACH INTERSECTION QUADRANT
- STORAGE DISTANCES WERE DESIGNED USING THE ACTUATED, UNCOORDINATION 95TH PERCENTILE QUEUE FROM HCS
- EXISTING ROW ON SOUTH LEG OF BUNN STREET IS PRESCRIPTIVE. PROPOSED ROW WILL BE PURCHASED TO DELINEATED ROW.

PROPOSED PHASING

PHASE		1	YELLOW	RED	2	YELLOW	RED	3	YELLOW	RED	4	YELLOW	RED	CYCLE LENGTH
GREEN TIME IN SECONDS	AM	6.0	4.0	2.0	41.0	4.0	2.0	7.0	4.0	2.0	32.0	4.0	2.0	110 SEC.
	PM	6.0	4.0	2.0	44.0	4.0	2.0	6.0	4.0	2.0	30.0	4.0	2.0	110 SEC.

N
50 0 50
GRAPHIC SCALE

INTERSECTION DESIGN STUDY

FAU ROUTE 6371 (HAMILTON ROAD)
WITH
FAU ROUTE 6403 (BUNN STREET)

SEC. NO. 16-00360-00-PV PROJ. NO. _____
SCALE 1"=50' COUNTY McLEAN
SJN : _____ REV. NO. ___
DESIGNED BY HANSON KURT BIALOBRESKI DATE 2-12-19
APPROVED _____ CITY ENGINEER DATE
CADD FILE NAME : [ ] I.D.S. SHEET 1 OF 5

BDE-9908

PLOT DATE = 7/10/2019
FILE NAME = i:\15Jobs\15L0098\CAD\Road\Sheet\Traffic\IDS-1.dgn
PLOT SCALE = 20.0000 ' / in.
USER NAME = Anderr00846

MATCHLINE STA. 209+00.00

COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18

+66.93

+62.89

+48.00, RPC

5.00'

1.00'

COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18

+17.84

EXISTING R.O.W.

115' STORAGE

11.00'

11.00'

208

300' R

R_1=45'
R_2=300'
OFFSET=13.0'

+72.80

STA. 16+69.11 HAMILTON ROAD =
STA. 207+02.56 BUNN STREET

SEE DETAIL C

TEMPORARY EASEMENT

10' MULTIUSE PATH

PROPOSED R.O.W.

EXISTING R.O.W.

18.00'

3.00'

3.00'

COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18

PROPOSED R.O.W.

EXISTING R.O.W.

TEMPORARY EASEMENT

+47.00 P.T.

+71.68 RPC

5.00'

+57.77

EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18

SEE DETAIL B

+93.32

PROPOSED R.O.W.

50' R

10.00'

45' R

MATCHLINE STA. 15+00.00

HAMILTON ROAD

+98.98

+99.49 RPC

+13.99

+16.20

15+00

11.00'

1.00'

16

17

18

19

20+00

21

275' STORAGE

11.00'

6.00'

207

+43.39 RPC

11.00'

11.00'

+52.00

+12.00

60' GAP

130' STORAGE

11.00'

+37.00

+92.50

+48.00

HAMILTON ROAD

43.25'

11.00'

5.00'

6.00'

+95.99 RPC

+21.90

15' R

+45.10 RPC

1.00'

11.00'

44.00'

4.75'

PROPOSED R.O.W.

50' R

+56.26 PCC

40' R

EXISTING R.O.W.

PROPOSED R.O.W.

TEMPORARY EASEMENT

EXISTING R.O.W.

PROPOSED R.O.W.

TEMPORARY EASEMENT

11.00'

COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18

PROPOSED PCC SIDEWALK

PROPOSED PCC SIDEWALK

COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18

SEE DETAIL A

+39.00

+37.63 PCC

R_1=40
R_2=75'
OFFSET=15.0'

SEE DETAIL D

R_1=50'
R_2=325'
OFFSET=12.0'

+24.00

325' R

+00.73 RPC

+00.45 C.E.

BUNN STREET

206

+74.40

115' STORAGE

1.00'

5.00'

+42.58 RPC

11.00'

11.00'

11.00'

+24.79

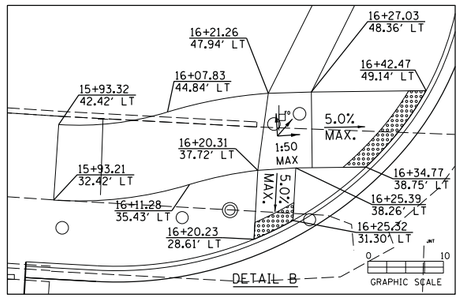
+20.79

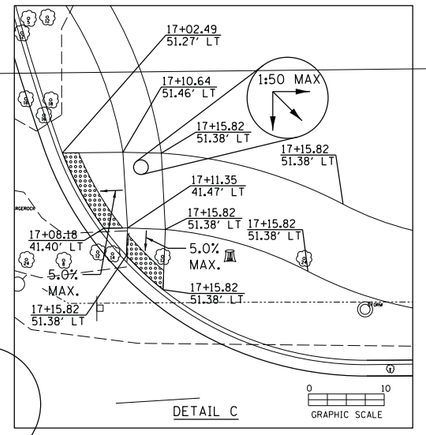
205+00

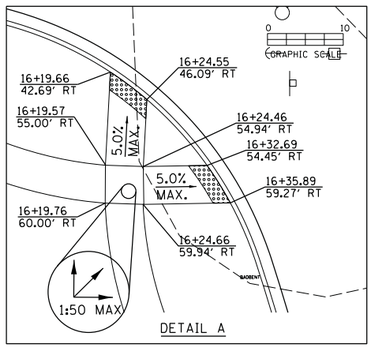
COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18

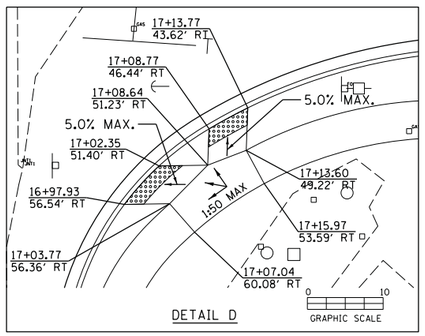
COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18

MATCHLINE STA. 205+00.00









NOTE: EXISTING ROW ON SOUTH LEG OF BUNN STREET IS PRESCRIPTIVE. PROPOSED ROW WILL BE PURCHASED TO DELINEATED ROW.

N

20 0 20
GRAPHIC SCALE

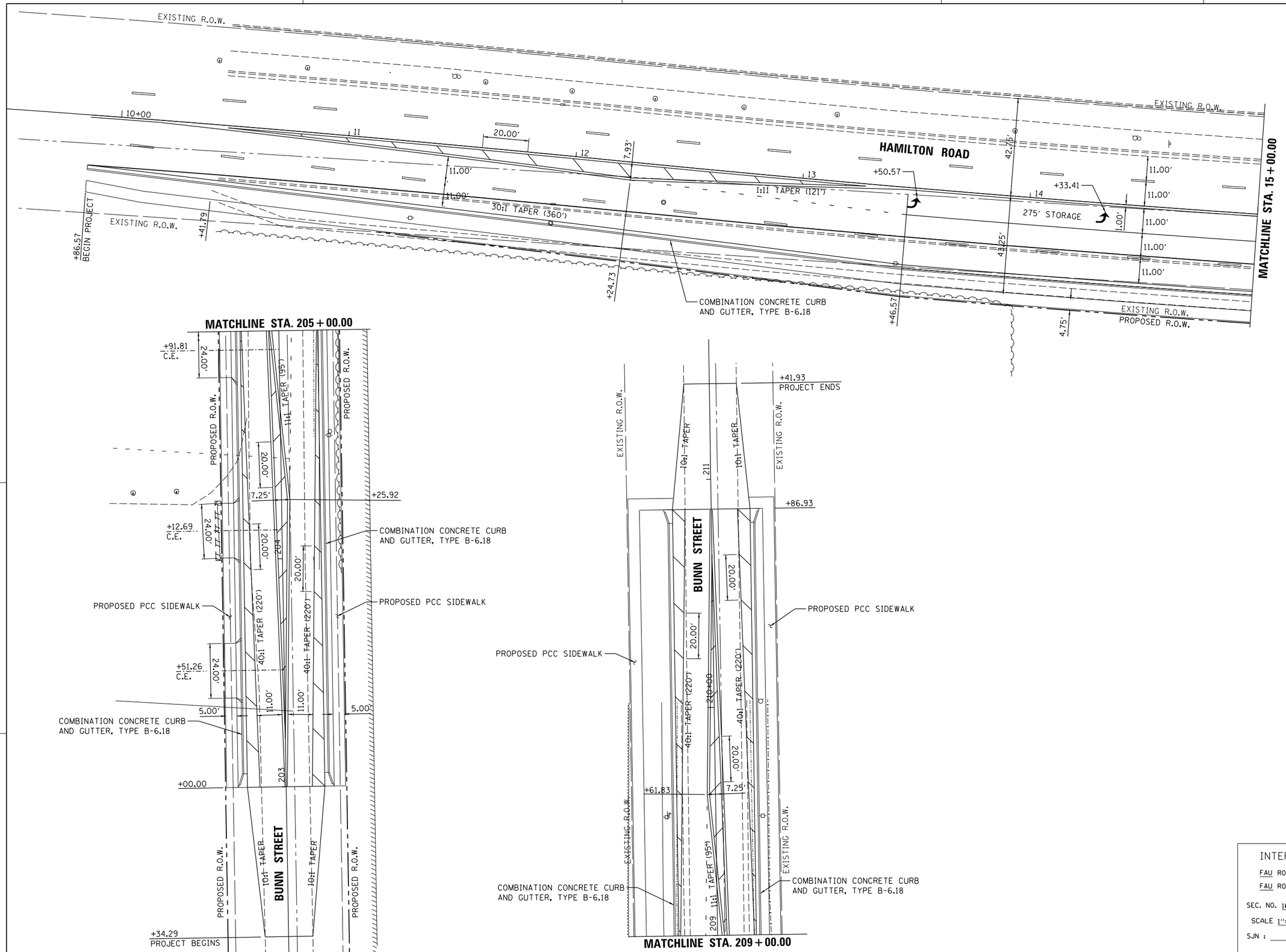
INTERSECTION DESIGN STUDY

FAU ROUTE 6371 (HAMILTON ROAD)
FAU ROUTE 6403 WITH (BUNN STREET)

SEC. NO. 16-00360-00-PV

SCALE 1"=20' COUNTY McLEAN

SJN : _____ PROJ. NO. _____



PLOT DATE = 7/10/2019
FILE NAME = i:\15Jobs\15L0098\CAD\Road\Sheet\Traffic\IDS-1.dgn
PLOT SCALE = 20.0000 ' / in.
USER NAME = Anderr00846

INTERSECTION DESIGN STUDY

FAU ROUTE 6371 (HAMILTON ROAD)
FAU ROUTE 6403 WITH (BUNN STREET)

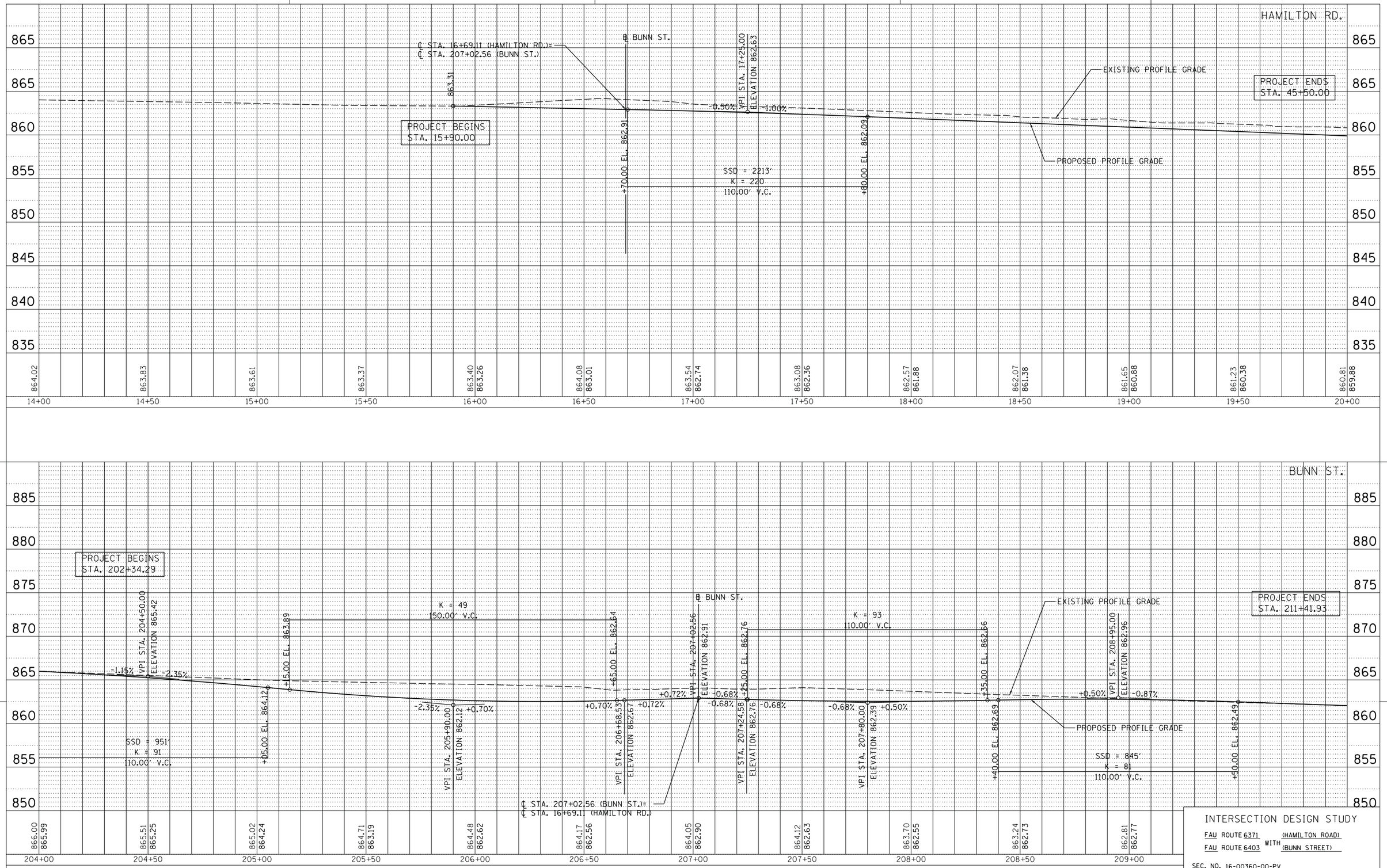
SEC. NO. 16-00360-00-PV

SCALE 1"=20' COUNTY McLEAN

SJN : _____ PROJ. NO. _____

I.D.S. SHEET 3 OF 5

PLOT DATE = 7/10/2019
FILE NAME = i:\15Jobs\15L0098\CADD\Road\Sheet\Traffic\IDS-1.dgn
PLOT SCALE = 20.0000 ' / in.



864.02		863.83		863.61		863.37		863.40 863.26		864.08 863.01		863.54 862.74		863.08 862.36		862.57 861.88		862.07 861.38		861.65 860.88		861.23 860.38		860.81 859.88	
866.00 865.99		865.51 865.25		865.02 864.24		864.71 863.19		864.48 862.62		864.17 862.56		864.05 862.90		864.12 862.63		863.70 862.55		863.24 862.73		862.81 862.77					

INTERSECTION DESIGN STUDY

FAU ROUTE 6371 (HAMILTON ROAD)
FAU ROUTE 6403 WITH (BUNN STREET)

SEC. NO. 16-00360-00-PV

SCALE 1"=20' HORZ
1"=5' VERT

COUNTY McLEAN

SJN : _____

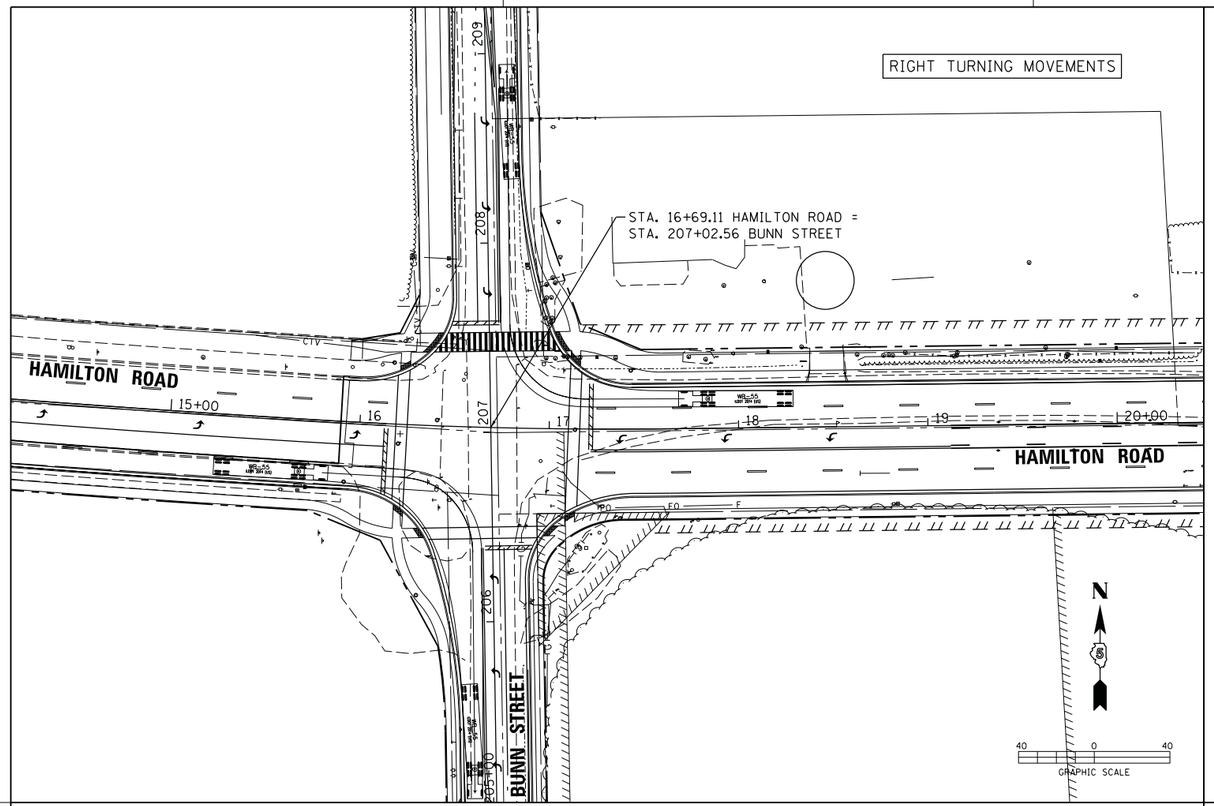
PROJ. NO. _____

I.D.S. SHEET 4 OF 5

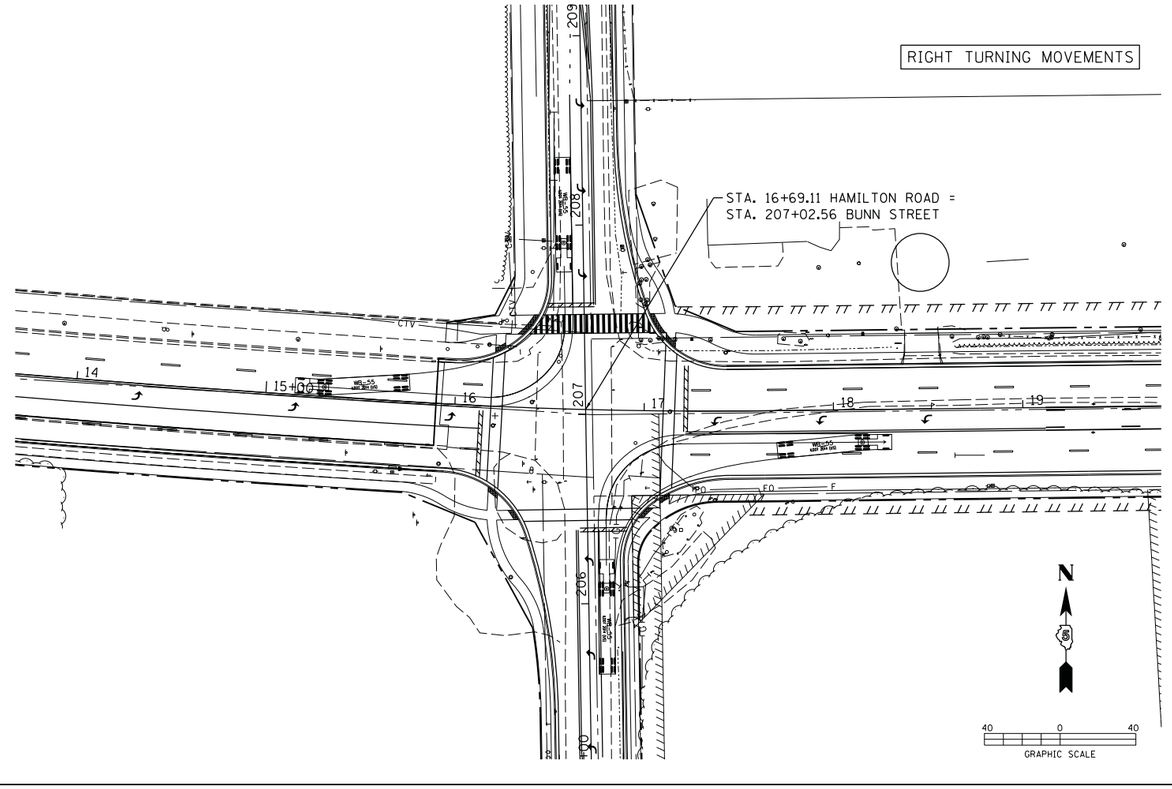
BDE-9908

PLOT DATE = 7/10/2019
FILE NAME = i:\15\jobs\15L0098\CAD\Road\Sheet\Traffic\IDS-1.dgn
PLOT SCALE = 40.0000 ' / in.
USER NAME = Anderr00846

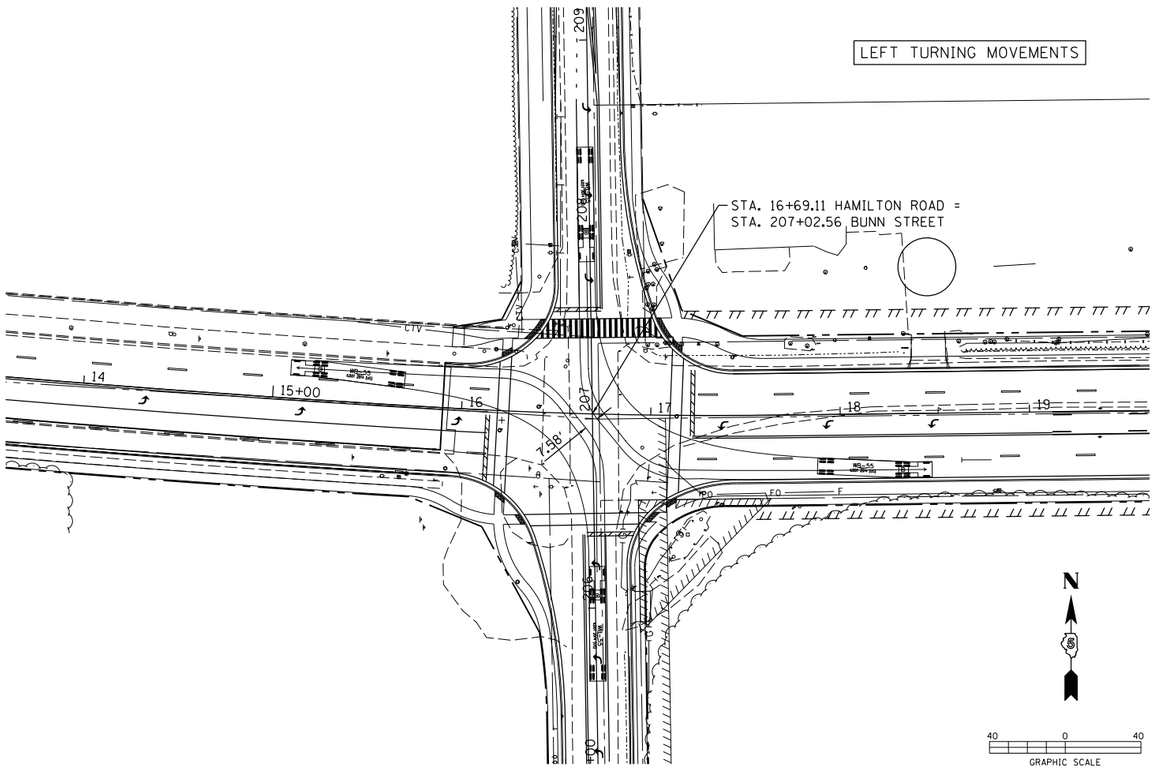
RIGHT TURNING MOVEMENTS



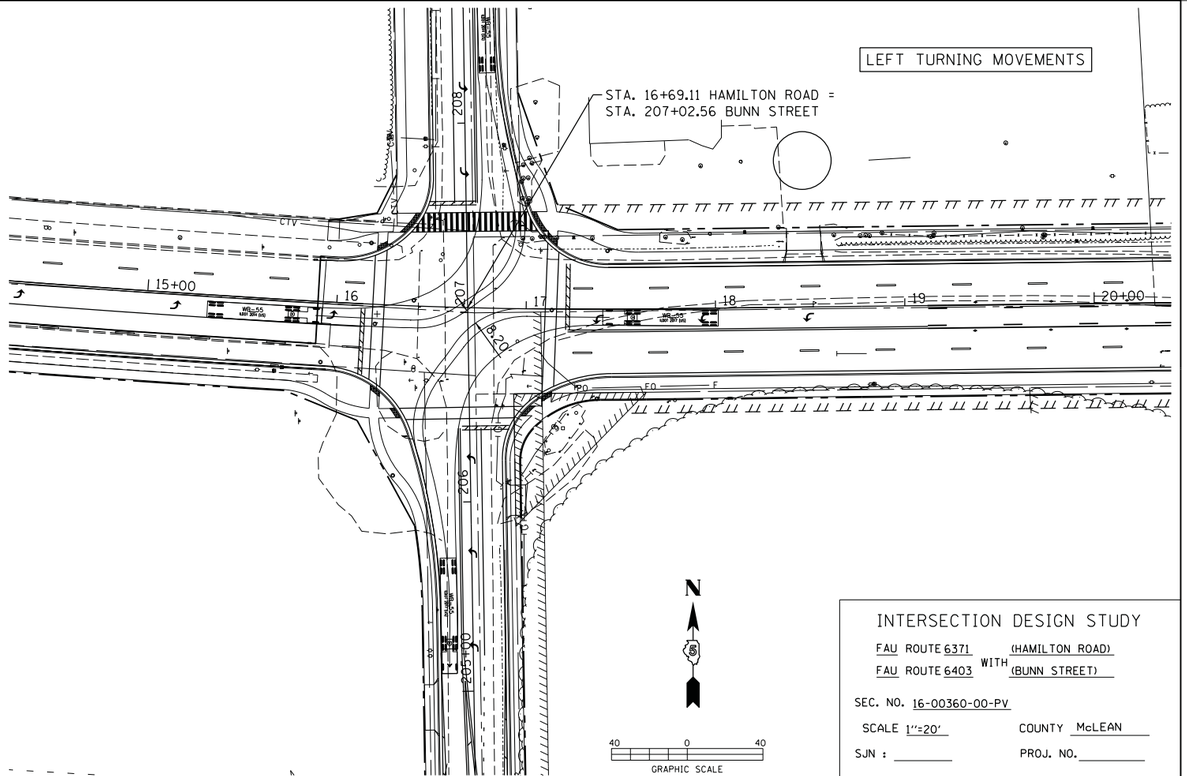
RIGHT TURNING MOVEMENTS



LEFT TURNING MOVEMENTS



LEFT TURNING MOVEMENTS



INTERSECTION DESIGN STUDY

FAU ROUTE 6371 (HAMILTON ROAD)
FAU ROUTE 6403 WITH (BUNN STREET)

SEC. NO. 16-00360-00-PV

SCALE 1"=20' COUNTY McLEAN

SJN : _____ PROJ. NO. _____

I.D.S. SHEET 5 OF 5

Level of Service Criteria

LEVEL OF SERVICE CRITERIA

Signalized Intersections		
Level of Service	**Interpretation**	**Average Control Delay (seconds per vehicle)**
A	Favorable progression. Most vehicles arrive during the green indication and travel through the intersection without stopping.	≤10
B	Good progression, with more vehicles stopping than for Level of Service A.	> 10 - 20
C	Individual cycle failures (i.e., one or more queued vehicles are not able to depart as a result of insufficient capacity during the cycle) may begin to appear. Number of vehicles stopping is significant, although many vehicles still pass through the intersection without stopping.	> 20 - 35
D	The volume-to-capacity ratio is high and either progression is ineffective or the cycle length is too long. Many vehicles stop and individual cycle failures are noticeable.	> 35 - 55
E	Progression is unfavorable. The volume-to-capacity ratio is high and the cycle length is long. Individual cycle failures are frequent.	> 55 - 80
F	The volume-to-capacity ratio is very high, progression is very poor, and the cycle length is long. Most cycles fail to clear the queue.	> 80

Unsignalized Intersections	
Level of Service	**Average Total Delay (sec/veh)**
A	0 - 10
B	> 10 - 15
C	> 15 - 25
D	> 25 - 35
E	> 35 - 50
F	> 50

Source: *Highway Capacity Manual*, 2010.

Capacity Analysis Summary Sheets

Weekday Morning Peak Hour – Existing Conditions

Intersection	
Int Delay, s/veh	1

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Traffic Vol, veh/h	0	0	0	12	0	7	0	170	10	6	87	0
Future Vol, veh/h	0	0	0	12	0	7	0	170	10	6	87	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	91	91	91	91	91	91	91	91	91	91	91	91
Heavy Vehicles, %	0	0	0	100	0	100	0	6	100	100	8	0
Mvmt Flow	0	0	0	13	0	8	0	187	11	7	96	0

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	307	308	96	303	303	193	96	0	0	198	0	0
Stage 1	110	110	-	193	193	-	-	-	-	-	-	-
Stage 2	197	198	-	110	110	-	-	-	-	-	-	-
Critical Hdwy	7.1	6.5	6.2	8.1	6.5	7.2	4.1	-	-	5.1	-	-
Critical Hdwy Stg 1	6.1	5.5	-	7.1	5.5	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.1	5.5	-	7.1	5.5	-	-	-	-	-	-	-
Follow-up Hdwy	3.5	4	3.3	4.4	4	4.2	2.2	-	-	3.1	-	-
Pot Cap-1 Maneuver	649	609	966	495	613	651	1510	-	-	954	-	-
Stage 1	900	808	-	628	745	-	-	-	-	-	-	-
Stage 2	809	741	-	704	808	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	637	604	966	492	608	651	1510	-	-	954	-	-
Mov Cap-2 Maneuver	637	604	-	492	608	-	-	-	-	-	-	-
Stage 1	900	802	-	628	745	-	-	-	-	-	-	-
Stage 2	799	741	-	698	802	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0	11.9	0	0.6
HCM LOS	A	B		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	1510	-	-	-	541	954	-	-
HCM Lane V/C Ratio	-	-	-	-	0.039	0.007	-	-
HCM Control Delay (s)	0	-	-	0	11.9	8.8	0	-
HCM Lane LOS	A	-	-	A	B	A	A	-
HCM 95th %tile Q(veh)	0	-	-	-	0.1	0	-	-

Intersection	
Int Delay, s/veh	2.8

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	50	29	14	130	81	18
Future Vol, veh/h	50	29	14	130	81	18
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	89	89	89	89	89	89
Heavy Vehicles, %	2	3	7	13	19	6
Mvmt Flow	56	33	16	146	91	20

Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	279	101	111	0	-	0
Stage 1	101	-	-	-	-	-
Stage 2	178	-	-	-	-	-
Critical Hdwy	6.42	6.23	4.17	-	-	-
Critical Hdwy Stg 1	5.42	-	-	-	-	-
Critical Hdwy Stg 2	5.42	-	-	-	-	-
Follow-up Hdwy	3.518	3.327	2.263	-	-	-
Pot Cap-1 Maneuver	711	952	1448	-	-	-
Stage 1	923	-	-	-	-	-
Stage 2	853	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	702	952	1448	-	-	-
Mov Cap-2 Maneuver	702	-	-	-	-	-
Stage 1	912	-	-	-	-	-
Stage 2	853	-	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s	10.2	0.7	0
HCM LOS	B		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR
Capacity (veh/h)	1448	-	777	-	-
HCM Lane V/C Ratio	0.011	-	0.114	-	-
HCM Control Delay (s)	7.5	0	10.2	-	-
HCM Lane LOS	A	A	B	-	-
HCM 95th %tile Q(veh)	0	-	0.4	-	-

Intersection	
Int Delay, s/veh	0.2

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	1	3	136	4	1	103
Future Vol, veh/h	1	3	136	4	1	103
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	81	81	81	81	81	81
Heavy Vehicles, %	100	100	11	100	100	15
Mvmt Flow	1	4	168	5	1	127

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	300	171	0	0	173	0
Stage 1	171	-	-	-	-	-
Stage 2	129	-	-	-	-	-
Critical Hdwy	7.4	7.2	-	-	5.1	-
Critical Hdwy Stg 1	6.4	-	-	-	-	-
Critical Hdwy Stg 2	6.4	-	-	-	-	-
Follow-up Hdwy	4.4	4.2	-	-	3.1	-
Pot Cap-1 Maneuver	528	672	-	-	978	-
Stage 1	669	-	-	-	-	-
Stage 2	703	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	527	672	-	-	978	-
Mov Cap-2 Maneuver	527	-	-	-	-	-
Stage 1	669	-	-	-	-	-
Stage 2	702	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	10.8	0	0.1
HCM LOS	B		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	SBL	SBT
Capacity (veh/h)	-	-	629	978	-
HCM Lane V/C Ratio	-	-	0.008	0.001	-
HCM Control Delay (s)	-	-	10.8	8.7	0
HCM Lane LOS	-	-	B	A	A
HCM 95th %tile Q(veh)	-	-	0	0	-

Intersection	
Int Delay, s/veh	3.1

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	21	59	27	118	101	7
Future Vol, veh/h	21	59	27	118	101	7
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	78	78	78	78	78	78
Heavy Vehicles, %	9	8	22	10	17	0
Mvmt Flow	27	76	35	151	129	9

Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	355	134	138	0	-	0
Stage 1	134	-	-	-	-	-
Stage 2	221	-	-	-	-	-
Critical Hdwy	6.49	6.28	4.32	-	-	-
Critical Hdwy Stg 1	5.49	-	-	-	-	-
Critical Hdwy Stg 2	5.49	-	-	-	-	-
Follow-up Hdwy	3.581	3.372	2.398	-	-	-
Pot Cap-1 Maneuver	629	899	1332	-	-	-
Stage 1	875	-	-	-	-	-
Stage 2	799	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	611	899	1332	-	-	-
Mov Cap-2 Maneuver	611	-	-	-	-	-
Stage 1	850	-	-	-	-	-
Stage 2	799	-	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s	10.2	1.4	0
HCM LOS	B		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR
Capacity (veh/h)	1332	-	800	-	-
HCM Lane V/C Ratio	0.026	-	0.128	-	-
HCM Control Delay (s)	7.8	0	10.2	-	-
HCM Lane LOS	A	A	B	-	-
HCM 95th %tile Q(veh)	0.1	-	0.4	-	-

Intersection	
Int Delay, s/veh	0

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	1	230	187	0	0	2
Future Vol, veh/h	1	230	187	0	0	2
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	80	80	80	80	80	80
Heavy Vehicles, %	100	5	8	0	0	0
Mvmt Flow	1	288	234	0	0	3

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	234	0	-	0	524	234
Stage 1	-	-	-	-	234	-
Stage 2	-	-	-	-	290	-
Critical Hdwy	5.1	-	-	-	6.4	6.2
Critical Hdwy Stg 1	-	-	-	-	5.4	-
Critical Hdwy Stg 2	-	-	-	-	5.4	-
Follow-up Hdwy	3.1	-	-	-	3.5	3.3
Pot Cap-1 Maneuver	920	-	-	-	517	810
Stage 1	-	-	-	-	810	-
Stage 2	-	-	-	-	764	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	920	-	-	-	516	810
Mov Cap-2 Maneuver	-	-	-	-	516	-
Stage 1	-	-	-	-	809	-
Stage 2	-	-	-	-	764	-

Approach	EB	WB	SB
HCM Control Delay, s	0	0	9.5
HCM LOS			A

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	920	-	-	-	810
HCM Lane V/C Ratio	0.001	-	-	-	0.003
HCM Control Delay (s)	8.9	0	-	-	9.5
HCM Lane LOS	A	A	-	-	A
HCM 95th %tile Q(veh)	0	-	-	-	0

Intersection	
Intersection Delay, s/veh	10.6
Intersection LOS	B

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	76	159	22	15	145	28	13	41	25	47	44	69
Future Vol, veh/h	76	159	22	15	145	28	13	41	25	47	44	69
Peak Hour Factor	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
Heavy Vehicles, %	30	2	0	0	4	40	20	0	0	19	0	20
Mvmt Flow	86	181	25	17	165	32	15	47	28	53	50	78
Number of Lanes	1	1	0	1	1	0	0	1	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	2	2	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	2	2
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	2	2
HCM Control Delay	10.7	10.8	9.8	10.7
HCM LOS	B	B	A	B

Lane	NBLn1	EBLn1	EBLn2	WBLn1	WBLn2	SBLn1
Vol Left, %	16%	100%	0%	100%	0%	29%
Vol Thru, %	52%	0%	88%	0%	84%	27%
Vol Right, %	32%	0%	12%	0%	16%	43%
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	79	76	181	15	173	160
LT Vol	13	76	0	15	0	47
Through Vol	41	0	159	0	145	44
RT Vol	25	0	22	0	28	69
Lane Flow Rate	90	86	206	17	197	182
Geometry Grp	2	7	7	7	7	2
Degree of Util (X)	0.144	0.158	0.316	0.029	0.308	0.28
Departure Headway (Hd)	5.774	6.597	5.524	6.195	5.643	5.54
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes	Yes
Cap	621	545	652	579	639	649
Service Time	3.806	4.322	3.248	3.921	3.369	3.566
HCM Lane V/C Ratio	0.145	0.158	0.316	0.029	0.308	0.28
HCM Control Delay	9.8	10.6	10.8	9.1	10.9	10.7
HCM Lane LOS	A	B	B	A	B	B
HCM 95th-tile Q	0.5	0.6	1.4	0.1	1.3	1.1

Intersection	
Intersection Delay, s/veh	9.3
Intersection LOS	A

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	12	73	17	15	41	5	23	104	40	13	55	14
Future Vol, veh/h	12	73	17	15	41	5	23	104	40	13	55	14
Peak Hour Factor	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84
Heavy Vehicles, %	25	14	29	33	2	0	22	10	0	23	16	7
Mvmt Flow	14	87	20	18	49	6	27	124	48	15	65	17
Number of Lanes	0	1	0	0	1	0	0	1	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	1	1	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	1	1
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	1	1
HCM Control Delay	9.2	9.1	9.6	8.8
HCM LOS	A	A	A	A

Lane	NBLn1	EBLn1	WBLn1	SBLn1
Vol Left, %	14%	12%	25%	16%
Vol Thru, %	62%	72%	67%	67%
Vol Right, %	24%	17%	8%	17%
Sign Control	Stop	Stop	Stop	Stop
Traffic Vol by Lane	167	102	61	82
LT Vol	23	12	15	13
Through Vol	104	73	41	55
RT Vol	40	17	5	14
Lane Flow Rate	199	121	73	98
Geometry Grp	1	1	1	1
Degree of Util (X)	0.265	0.171	0.108	0.135
Departure Headway (Hd)	4.791	5.081	5.358	4.974
Convergence, Y/N	Yes	Yes	Yes	Yes
Cap	750	704	667	719
Service Time	2.825	3.123	3.403	3.014
HCM Lane V/C Ratio	0.265	0.172	0.109	0.136
HCM Control Delay	9.6	9.2	9.1	8.8
HCM Lane LOS	A	A	A	A
HCM 95th-tile Q	1.1	0.6	0.4	0.5

Capacity Analysis Summary Sheets

Weekday Evening Peak Hour – Existing Conditions

Intersection	
Int Delay, s/veh	0.6

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Traffic Vol, veh/h	0	0	0	11	0	4	0	142	9	2	162	0
Future Vol, veh/h	0	0	0	11	0	4	0	142	9	2	162	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	0	0	0	100	0	100	0	2	100	100	4	0
Mvmt Flow	0	0	0	12	0	4	0	154	10	2	176	0

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	341	344	176	339	339	159	176	0	0	164	0	0
Stage 1	180	180	-	159	159	-	-	-	-	-	-	-
Stage 2	161	164	-	180	180	-	-	-	-	-	-	-
Critical Hdwy	7.1	6.5	6.2	8.1	6.5	7.2	4.1	-	-	5.1	-	-
Critical Hdwy Stg 1	6.1	5.5	-	7.1	5.5	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.1	5.5	-	7.1	5.5	-	-	-	-	-	-	-
Follow-up Hdwy	3.5	4	3.3	4.4	4	4.2	2.2	-	-	3.1	-	-
Pot Cap-1 Maneuver	617	582	872	466	586	683	1412	-	-	987	-	-
Stage 1	826	754	-	658	770	-	-	-	-	-	-	-
Stage 2	846	766	-	639	754	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	612	581	872	465	585	683	1412	-	-	987	-	-
Mov Cap-2 Maneuver	612	581	-	465	585	-	-	-	-	-	-	-
Stage 1	826	752	-	658	770	-	-	-	-	-	-	-
Stage 2	841	766	-	638	752	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0	12.3	0	0.1
HCM LOS	A	B		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	1412	-	-	-	508	987	-	-
HCM Lane V/C Ratio	-	-	-	-	0.032	0.002	-	-
HCM Control Delay (s)	0	-	-	0	12.3	8.7	0	-
HCM Lane LOS	A	-	-	A	B	A	A	-
HCM 95th %tile Q(veh)	0	-	-	-	0.1	0	-	-

Intersection	
Int Delay, s/veh	2

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	33	14	30	118	134	39
Future Vol, veh/h	33	14	30	118	134	39
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	91	91	91	91	91	91
Heavy Vehicles, %	6	7	3	10	9	0
Mvmt Flow	36	15	33	130	147	43

Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	365	169	190	0	-	0
Stage 1	169	-	-	-	-	-
Stage 2	196	-	-	-	-	-
Critical Hdwy	6.46	6.27	4.13	-	-	-
Critical Hdwy Stg 1	5.46	-	-	-	-	-
Critical Hdwy Stg 2	5.46	-	-	-	-	-
Follow-up Hdwy	3.554	3.363	2.227	-	-	-
Pot Cap-1 Maneuver	627	862	1378	-	-	-
Stage 1	851	-	-	-	-	-
Stage 2	828	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	611	862	1378	-	-	-
Mov Cap-2 Maneuver	611	-	-	-	-	-
Stage 1	829	-	-	-	-	-
Stage 2	828	-	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s	10.8	1.6	0
HCM LOS	B		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR
Capacity (veh/h)	1378	-	669	-	-
HCM Lane V/C Ratio	0.024	-	0.077	-	-
HCM Control Delay (s)	7.7	0	10.8	-	-
HCM Lane LOS	A	A	B	-	-
HCM 95th %tile Q(veh)	0.1	-	0.2	-	-

Intersection	
Int Delay, s/veh	0.4

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	5	3	145	4	3	150
Future Vol, veh/h	5	3	145	4	3	150
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	94	94	94	94	94	94
Heavy Vehicles, %	100	100	7	100	100	6
Mvmt Flow	5	3	154	4	3	160

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	322	156	0	0	158	0
Stage 1	156	-	-	-	-	-
Stage 2	166	-	-	-	-	-
Critical Hdwy	7.4	7.2	-	-	5.1	-
Critical Hdwy Stg 1	6.4	-	-	-	-	-
Critical Hdwy Stg 2	6.4	-	-	-	-	-
Follow-up Hdwy	4.4	4.2	-	-	3.1	-
Pot Cap-1 Maneuver	511	686	-	-	993	-
Stage 1	681	-	-	-	-	-
Stage 2	673	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	509	686	-	-	993	-
Mov Cap-2 Maneuver	509	-	-	-	-	-
Stage 1	681	-	-	-	-	-
Stage 2	671	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	11.5	0	0.2
HCM LOS	B		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	SBL	SBT
Capacity (veh/h)	-	-	564	993	-
HCM Lane V/C Ratio	-	-	0.015	0.003	-
HCM Control Delay (s)	-	-	11.5	8.6	0
HCM Lane LOS	-	-	B	A	A
HCM 95th %tile Q(veh)	-	-	0	0	-

Intersection	
Int Delay, s/veh	2.2

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	15	34	44	134	136	18
Future Vol, veh/h	15	34	44	134	136	18
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	94	94	94	94	94	94
Heavy Vehicles, %	7	6	7	12	8	6
Mvmt Flow	16	36	47	143	145	19

Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	392	155	164	0	-	0
Stage 1	155	-	-	-	-	-
Stage 2	237	-	-	-	-	-
Critical Hdwy	6.47	6.26	4.17	-	-	-
Critical Hdwy Stg 1	5.47	-	-	-	-	-
Critical Hdwy Stg 2	5.47	-	-	-	-	-
Follow-up Hdwy	3.563	3.354	2.263	-	-	-
Pot Cap-1 Maneuver	603	880	1385	-	-	-
Stage 1	861	-	-	-	-	-
Stage 2	791	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	581	880	1385	-	-	-
Mov Cap-2 Maneuver	581	-	-	-	-	-
Stage 1	829	-	-	-	-	-
Stage 2	791	-	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s	10.1	1.9	0
HCM LOS	B		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR
Capacity (veh/h)	1385	-	760	-	-
HCM Lane V/C Ratio	0.034	-	0.069	-	-
HCM Control Delay (s)	7.7	0	10.1	-	-
HCM Lane LOS	A	A	B	-	-
HCM 95th %tile Q(veh)	0.1	-	0.2	-	-

Intersection	
Int Delay, s/veh	0.2

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	4	202	329	1	0	6
Future Vol, veh/h	4	202	329	1	0	6
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	91	91	91	91	91	91
Heavy Vehicles, %	100	1	4	100	100	100
Mvmt Flow	4	222	362	1	0	7

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	363	0	-	0	593	363
Stage 1	-	-	-	-	363	-
Stage 2	-	-	-	-	230	-
Critical Hdwy	5.1	-	-	-	7.4	7.2
Critical Hdwy Stg 1	-	-	-	-	6.4	-
Critical Hdwy Stg 2	-	-	-	-	6.4	-
Follow-up Hdwy	3.1	-	-	-	4.4	4.2
Pot Cap-1 Maneuver	809	-	-	-	340	509
Stage 1	-	-	-	-	531	-
Stage 2	-	-	-	-	624	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	809	-	-	-	338	509
Mov Cap-2 Maneuver	-	-	-	-	338	-
Stage 1	-	-	-	-	528	-
Stage 2	-	-	-	-	624	-

Approach	EB	WB	SB
HCM Control Delay, s	0.2	0	12.2
HCM LOS			B

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	809	-	-	-	509
HCM Lane V/C Ratio	0.005	-	-	-	0.013
HCM Control Delay (s)	9.5	0	-	-	12.2
HCM Lane LOS	A	A	-	-	B
HCM 95th %tile Q(veh)	0	-	-	-	0

Intersection	
Intersection Delay, s/veh	11.1
Intersection LOS	B

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	65	130	13	51	218	70	13	43	30	46	61	63
Future Vol, veh/h	65	130	13	51	218	70	13	43	30	46	61	63
Peak Hour Factor	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Heavy Vehicles, %	10	2	0	7	4	10	0	3	0	5	3	10
Mvmt Flow	69	138	14	54	232	74	14	46	32	49	65	67
Number of Lanes	1	1	0	1	1	0	0	1	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	2	2	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	2	2
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	2	2
HCM Control Delay	10.2	12.4	9.6	10.6
HCM LOS	B	B	A	B

Lane	NBLn1	EBLn1	EBLn2	WBLn1	WBLn2	SBLn1
Vol Left, %	15%	100%	0%	100%	0%	27%
Vol Thru, %	50%	0%	91%	0%	76%	36%
Vol Right, %	35%	0%	9%	0%	24%	37%
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	86	65	143	51	288	170
LT Vol	13	65	0	51	0	46
Through Vol	43	0	130	0	218	61
RT Vol	30	0	13	0	70	63
Lane Flow Rate	91	69	152	54	306	181
Geometry Grp	2	7	7	7	7	2
Degree of Util (X)	0.142	0.123	0.242	0.094	0.466	0.276
Departure Headway (Hd)	5.587	6.424	5.716	6.211	5.481	5.501
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes	Yes
Cap	641	559	628	578	659	653
Service Time	3.624	4.154	3.445	3.936	3.207	3.535
HCM Lane V/C Ratio	0.142	0.123	0.242	0.093	0.464	0.277
HCM Control Delay	9.6	10.1	10.3	9.6	12.9	10.6
HCM Lane LOS	A	B	B	A	B	B
HCM 95th-tile Q	0.5	0.4	0.9	0.3	2.5	1.1

Intersection	
Intersection Delay, s/veh	9.3
Intersection LOS	A

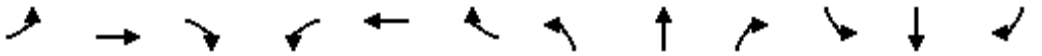
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	18	71	20	24	83	12	20	111	29	15	117	20
Future Vol, veh/h	18	71	20	24	83	12	20	111	29	15	117	20
Peak Hour Factor	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83
Heavy Vehicles, %	6	14	5	4	1	0	0	5	0	0	5	0
Mvmt Flow	22	86	24	29	100	14	24	134	35	18	141	24
Number of Lanes	0	1	0	0	1	0	0	1	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	1	1	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	1	1
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	1	1
HCM Control Delay	9.2	9.3	9.4	9.4
HCM LOS	A	A	A	A

Lane	NBLn1	EBLn1	WBLn1	SBLn1
Vol Left, %	12%	17%	20%	10%
Vol Thru, %	69%	65%	70%	77%
Vol Right, %	18%	18%	10%	13%
Sign Control	Stop	Stop	Stop	Stop
Traffic Vol by Lane	160	109	119	152
LT Vol	20	18	24	15
Through Vol	111	71	83	117
RT Vol	29	20	12	20
Lane Flow Rate	193	131	143	183
Geometry Grp	1	1	1	1
Degree of Util (X)	0.253	0.183	0.199	0.242
Departure Headway (Hd)	4.727	5.003	5.008	4.763
Convergence, Y/N	Yes	Yes	Yes	Yes
Cap	754	712	711	749
Service Time	2.789	3.073	3.079	2.825
HCM Lane V/C Ratio	0.256	0.184	0.201	0.244
HCM Control Delay	9.4	9.2	9.3	9.4
HCM Lane LOS	A	A	A	A
HCM 95th-tile Q	1	0.7	0.7	0.9

Capacity Analysis Summary Sheets

Weekday Morning Peak Hour – No-Build Conditions

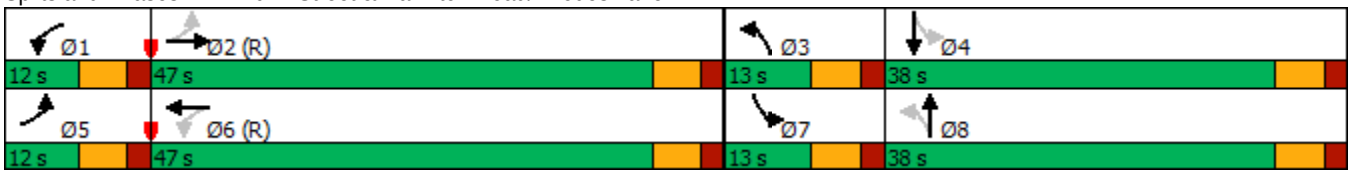


Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	124	975	52	102	567	30	40	52	126	51	69	74
Future Volume (vph)	124	975	52	102	567	30	40	52	126	51	69	74
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	11	11	11	11	11	11	11	11	11	11	11	11
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	275		0	130		0	115		0	115		0
Storage Lanes	1		0	1		0	1		0	1		0
Taper Length (ft)	121			60			95			95		
Lane Util. Factor	1.00	0.95	0.95	1.00	0.95	0.95	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor												
Frt		0.992			0.992			0.894			0.922	
Flt Protected	0.950			0.950			0.950			0.950		
Satd. Flow (prot)	1342	3397	0	1745	3272	0	1454	1642	0	1466	1534	0
Flt Permitted	0.335			0.152			0.500			0.369		
Satd. Flow (perm)	473	3397	0	279	3272	0	765	1642	0	570	1534	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)		6			5			112			50	
Link Speed (mph)		40			45			35			35	
Link Distance (ft)		1256			445			2735			622	
Travel Time (s)		21.4			6.7			53.3			12.1	
Confl. Peds. (#/hr)												
Confl. Bikes (#/hr)												
Peak Hour Factor	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	30%	2%	0%	0%	4%	40%	20%	0%	0%	19%	0%	20%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Shared Lane Traffic (%)												
Lane Group Flow (vph)	141	1167	0	116	678	0	45	202	0	58	162	0
Turn Type	pm+pt	NA		pm+pt	NA		pm+pt	NA		pm+pt	NA	
Protected Phases	5	2		1	6		3	8		7	4	
Permitted Phases	2			6			8			4		
Detector Phase	5	2		1	6		3	8		7	4	
Switch Phase												
Minimum Initial (s)	3.0	15.0		3.0	15.0		3.0	8.0		3.0	8.0	
Minimum Split (s)	9.0	21.0		9.0	21.0		9.0	14.0		9.0	14.0	
Total Split (s)	12.0	47.0		12.0	47.0		13.0	38.0		13.0	38.0	
Total Split (%)	10.9%	42.7%		10.9%	42.7%		11.8%	34.5%		11.8%	34.5%	
Yellow Time (s)	4.0	4.0		4.0	4.0		4.0	4.0		4.0	4.0	
All-Red Time (s)	2.0	2.0		2.0	2.0		2.0	2.0		2.0	2.0	
Lost Time Adjust (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Total Lost Time (s)	6.0	6.0		6.0	6.0		6.0	6.0		6.0	6.0	
Lead/Lag	Lead	Lag		Lead	Lag		Lead	Lag		Lead	Lag	
Lead-Lag Optimize?												
Recall Mode	None	C-Min		None	C-Min		None	None		None	None	
Act Effct Green (s)	68.0	57.6		65.9	56.5		20.2	14.6		20.2	14.6	
Actuated g/C Ratio	0.62	0.52		0.60	0.51		0.18	0.13		0.18	0.13	

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
v/c Ratio	0.38	0.66		0.40	0.40		0.25	0.64		0.36	0.66	
Control Delay	11.9	23.7		13.1	19.5		33.2	29.1		36.9	42.9	
Queue Delay	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Total Delay	11.9	23.7		13.1	19.5		33.2	29.1		36.9	42.9	
LOS	B	C		B	B		C	C		D	D	
Approach Delay		22.4			18.6			29.8			41.3	
Approach LOS		C			B			C			D	
Queue Length 50th (ft)	37	313		29	154		25	59		32	75	
Queue Length 95th (ft)	75	461		60	240		49	123		60	133	
Internal Link Dist (ft)		1176			365			2655			542	
Turn Bay Length (ft)	275			130			115			115		
Base Capacity (vph)	374	1780		292	1683		184	557		161	481	
Starvation Cap Reductn	0	0		0	0		0	0		0	0	
Spillback Cap Reductn	0	0		0	0		0	0		0	0	
Storage Cap Reductn	0	0		0	0		0	0		0	0	
Reduced v/c Ratio	0.38	0.66		0.40	0.40		0.24	0.36		0.36	0.34	

Intersection Summary			
Area Type:	Other		
Cycle Length: 110			
Actuated Cycle Length: 110			
Offset: 0 (0%), Referenced to phase 2:EBTL and 6:WBTL, Start of Green			
Natural Cycle: 60			
Control Type: Actuated-Coordinated			
Maximum v/c Ratio: 0.66			
Intersection Signal Delay: 23.6		Intersection LOS: C	
Intersection Capacity Utilization 68.1%		ICU Level of Service C	
Analysis Period (min) 15			

Splits and Phases: 1: Bunn Street & Hamilton Road/Rhodes Lane



Intersection	
Intersection Delay, s/veh	10.2
Intersection LOS	B

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	16	95	22	19	53	7	30	133	55	17	71	18
Future Vol, veh/h	16	95	22	19	53	7	30	133	55	17	71	18
Peak Hour Factor	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84
Heavy Vehicles, %	25	14	29	33	2	0	22	10	0	23	16	7
Mvmt Flow	19	113	26	23	63	8	36	158	65	20	85	21
Number of Lanes	0	1	0	0	1	0	0	1	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	1	1	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	1	1
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	1	1
HCM Control Delay	10.1	9.7	10.9	9.5
HCM LOS	B	A	B	A

Lane	NBLn1	EBLn1	WBLn1	SBLn1
Vol Left, %	14%	12%	24%	16%
Vol Thru, %	61%	71%	67%	67%
Vol Right, %	25%	17%	9%	17%
Sign Control	Stop	Stop	Stop	Stop
Traffic Vol by Lane	218	133	79	106
LT Vol	30	16	19	17
Through Vol	133	95	53	71
RT Vol	55	22	7	18
Lane Flow Rate	260	158	94	126
Geometry Grp	1	1	1	1
Degree of Util (X)	0.361	0.236	0.148	0.184
Departure Headway (Hd)	5.005	5.363	5.664	5.247
Convergence, Y/N	Yes	Yes	Yes	Yes
Cap	714	663	627	678
Service Time	3.071	3.444	3.753	3.326
HCM Lane V/C Ratio	0.364	0.238	0.15	0.186
HCM Control Delay	10.9	10.1	9.7	9.5
HCM Lane LOS	B	B	A	A
HCM 95th-tile Q	1.6	0.9	0.5	0.7

Intersection	
Int Delay, s/veh	1.6

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Traffic Vol, veh/h	0	0	0	24	0	14	0	214	20	12	107	0
Future Vol, veh/h	0	0	0	24	0	14	0	214	20	12	107	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	91	91	91	91	91	91	91	91	91	91	91	91
Heavy Vehicles, %	0	0	0	100	0	100	0	6	100	100	8	0
Mvmt Flow	0	0	0	26	0	15	0	235	22	13	118	0

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	398	401	118	390	390	246	118	0	0	257	0	0
Stage 1	144	144	-	246	246	-	-	-	-	-	-	-
Stage 2	254	257	-	144	144	-	-	-	-	-	-	-
Critical Hdwy	7.1	6.5	6.2	8.1	6.5	7.2	4.1	-	-	5.1	-	-
Critical Hdwy Stg 1	6.1	5.5	-	7.1	5.5	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.1	5.5	-	7.1	5.5	-	-	-	-	-	-	-
Follow-up Hdwy	3.5	4	3.3	4.4	4	4.2	2.2	-	-	3.1	-	-
Pot Cap-1 Maneuver	566	541	939	428	548	603	1483	-	-	899	-	-
Stage 1	864	782	-	583	706	-	-	-	-	-	-	-
Stage 2	755	699	-	672	782	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	545	533	939	423	540	603	1483	-	-	899	-	-
Mov Cap-2 Maneuver	545	533	-	423	540	-	-	-	-	-	-	-
Stage 1	864	770	-	583	706	-	-	-	-	-	-	-
Stage 2	736	699	-	662	770	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0	13.3	0	0.9
HCM LOS	A	B		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	1483	-	-	-	475	899	-	-
HCM Lane V/C Ratio	-	-	-	-	0.088	0.015	-	-
HCM Control Delay (s)	0	-	-	0	13.3	9.1	0	-
HCM Lane LOS	A	-	-	A	B	A	A	-
HCM 95th %tile Q(veh)	0	-	-	-	0.3	0	-	-

Intersection	
Int Delay, s/veh	2.4

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	50	29	14	184	113	18
Future Vol, veh/h	50	29	14	184	113	18
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	89	89	89	89	89	89
Heavy Vehicles, %	2	3	7	13	19	6
Mvmt Flow	56	33	16	207	127	20

Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	376	137	147	0	-	0
Stage 1	137	-	-	-	-	-
Stage 2	239	-	-	-	-	-
Critical Hdwy	6.42	6.23	4.17	-	-	-
Critical Hdwy Stg 1	5.42	-	-	-	-	-
Critical Hdwy Stg 2	5.42	-	-	-	-	-
Follow-up Hdwy	3.518	3.327	2.263	-	-	-
Pot Cap-1 Maneuver	625	909	1405	-	-	-
Stage 1	890	-	-	-	-	-
Stage 2	801	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	617	909	1405	-	-	-
Mov Cap-2 Maneuver	617	-	-	-	-	-
Stage 1	878	-	-	-	-	-
Stage 2	801	-	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s	10.9	0.5	0
HCM LOS	B		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR
Capacity (veh/h)	1405	-	699	-	-
HCM Lane V/C Ratio	0.011	-	0.127	-	-
HCM Control Delay (s)	7.6	0	10.9	-	-
HCM Lane LOS	A	A	B	-	-
HCM 95th %tile Q(veh)	0	-	0.4	-	-

Intersection	
Int Delay, s/veh	0.3

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	2	6	192	8	2	140
Future Vol, veh/h	2	6	192	8	2	140
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	81	81	81	81	81	81
Heavy Vehicles, %	100	100	11	100	100	15
Mvmt Flow	2	7	237	10	2	173

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	419	242	0	0	247	0
Stage 1	242	-	-	-	-	-
Stage 2	177	-	-	-	-	-
Critical Hdwy	7.4	7.2	-	-	5.1	-
Critical Hdwy Stg 1	6.4	-	-	-	-	-
Critical Hdwy Stg 2	6.4	-	-	-	-	-
Follow-up Hdwy	4.4	4.2	-	-	3.1	-
Pot Cap-1 Maneuver	442	606	-	-	909	-
Stage 1	615	-	-	-	-	-
Stage 2	664	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	441	606	-	-	909	-
Mov Cap-2 Maneuver	441	-	-	-	-	-
Stage 1	615	-	-	-	-	-
Stage 2	663	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	11.6	0	0.1
HCM LOS	B		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	SBL	SBT
Capacity (veh/h)	-	-	554	909	-
HCM Lane V/C Ratio	-	-	0.018	0.003	-
HCM Control Delay (s)	-	-	11.6	9	0
HCM Lane LOS	-	-	B	A	A
HCM 95th %tile Q(veh)	-	-	0.1	0	-

Intersection	
Int Delay, s/veh	2.5

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	21	59	27	179	135	7
Future Vol, veh/h	21	59	27	179	135	7
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	78	78	78	78	78	78
Heavy Vehicles, %	9	8	22	10	17	0
Mvmt Flow	27	76	35	229	173	9

Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	477	178	182	0	-	0
Stage 1	178	-	-	-	-	-
Stage 2	299	-	-	-	-	-
Critical Hdwy	6.49	6.28	4.32	-	-	-
Critical Hdwy Stg 1	5.49	-	-	-	-	-
Critical Hdwy Stg 2	5.49	-	-	-	-	-
Follow-up Hdwy	3.581	3.372	2.398	-	-	-
Pot Cap-1 Maneuver	534	850	1281	-	-	-
Stage 1	836	-	-	-	-	-
Stage 2	737	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	517	850	1281	-	-	-
Mov Cap-2 Maneuver	517	-	-	-	-	-
Stage 1	810	-	-	-	-	-
Stage 2	737	-	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s	10.8	1	0
HCM LOS	B		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR
Capacity (veh/h)	1281	-	727	-	-
HCM Lane V/C Ratio	0.027	-	0.141	-	-
HCM Control Delay (s)	7.9	0	10.8	-	-
HCM Lane LOS	A	A	B	-	-
HCM 95th %tile Q(veh)	0.1	-	0.5	-	-

Intersection	
Int Delay, s/veh	0

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	2	1150	697	0	0	2
Future Vol, veh/h	2	1150	697	0	0	2
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	25	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	80	80	80	80	80	80
Heavy Vehicles, %	100	5	8	0	0	0
Mvmt Flow	3	1438	871	0	0	3

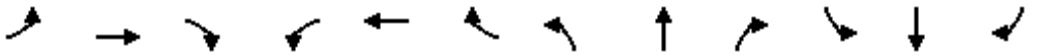
Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	871	0	-	0	1596	436
Stage 1	-	-	-	-	871	-
Stage 2	-	-	-	-	725	-
Critical Hdwy	6.1	-	-	-	6.8	6.9
Critical Hdwy Stg 1	-	-	-	-	5.8	-
Critical Hdwy Stg 2	-	-	-	-	5.8	-
Follow-up Hdwy	3.2	-	-	-	3.5	3.3
Pot Cap-1 Maneuver	369	-	-	-	99	574
Stage 1	-	-	-	-	375	-
Stage 2	-	-	-	-	446	-
Platoon blocked, %			-	-	-	
Mov Cap-1 Maneuver	369	-	-	-	98	574
Mov Cap-2 Maneuver	-	-	-	-	229	-
Stage 1	-	-	-	-	372	-
Stage 2	-	-	-	-	446	-

Approach	EB	WB	SB
HCM Control Delay, s	0	0	11.3
HCM LOS			B

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	369	-	-	-	574
HCM Lane V/C Ratio	0.007	-	-	-	0.004
HCM Control Delay (s)	14.8	-	-	-	11.3
HCM Lane LOS	B	-	-	-	B
HCM 95th %tile Q(veh)	0	-	-	-	0

Capacity Analysis Summary Sheets

Weekday Evening Peak Hour – No-Build Conditions



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	72	475	25	136	1134	73	81	69	126	50	134	74
Future Volume (vph)	72	475	25	136	1134	73	81	69	126	50	134	74
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	11	11	11	11	11	11	11	11	11	11	11	11
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	275		0	130		0	115		0	115		0
Storage Lanes	1		0	1		0	1		0	1		0
Taper Length (ft)	121			60			95			95		
Lane Util. Factor	1.00	0.95	0.95	1.00	0.95	0.95	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor												
Frt		0.992			0.991			0.903			0.947	
Flt Protected	0.950			0.950			0.950			0.950		
Satd. Flow (prot)	1586	3397	0	1631	3314	0	1745	1641	0	1662	1649	0
Flt Permitted	0.116			0.396			0.406			0.443		
Satd. Flow (perm)	194	3397	0	680	3314	0	746	1641	0	775	1649	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)		6			7			83			25	
Link Speed (mph)		40			45			35			35	
Link Distance (ft)		1256			445			2735			622	
Travel Time (s)		21.4			6.7			53.3			12.1	
Confl. Peds. (#/hr)												
Confl. Bikes (#/hr)												
Peak Hour Factor	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	10%	2%	0%	7%	4%	10%	0%	3%	0%	5%	3%	10%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Shared Lane Traffic (%)												
Lane Group Flow (vph)	77	532	0	145	1284	0	86	207	0	53	222	0
Turn Type	pm+pt	NA		pm+pt	NA		pm+pt	NA		pm+pt	NA	
Protected Phases	5	2		1	6		3	8		7	4	
Permitted Phases	2			6			8			4		
Detector Phase	5	2		1	6		3	8		7	4	
Switch Phase												
Minimum Initial (s)	3.0	15.0		3.0	15.0		3.0	8.0		3.0	8.0	
Minimum Split (s)	9.0	21.0		9.0	21.0		9.0	14.0		9.0	14.0	
Total Split (s)	12.0	50.0		12.0	50.0		12.0	36.0		12.0	36.0	
Total Split (%)	10.9%	45.5%		10.9%	45.5%		10.9%	32.7%		10.9%	32.7%	
Yellow Time (s)	4.0	4.0		4.0	4.0		4.0	4.0		4.0	4.0	
All-Red Time (s)	2.0	2.0		2.0	2.0		2.0	2.0		2.0	2.0	
Lost Time Adjust (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Total Lost Time (s)	6.0	6.0		6.0	6.0		6.0	6.0		6.0	6.0	
Lead/Lag	Lead	Lag		Lead	Lag		Lead	Lag		Lead	Lag	
Lead-Lag Optimize?												
Recall Mode	None	C-Min		None	C-Min		None	None		None	None	
Act Effct Green (s)	61.6	53.9		65.4	57.6		24.3	19.5		24.3	19.5	
Actuated g/C Ratio	0.56	0.49		0.59	0.52		0.22	0.18		0.22	0.18	

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
v/c Ratio	0.38	0.32		0.30	0.74		0.39	0.58		0.24	0.71	
Control Delay	16.2	19.4		12.2	27.1		34.1	30.1		29.7	49.7	
Queue Delay	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Total Delay	16.2	19.4		12.2	27.1		34.1	30.1		29.7	49.7	
LOS	B	B		B	C		C	C		C	D	
Approach Delay		19.0			25.6			31.2			45.9	
Approach LOS		B			C			C			D	
Queue Length 50th (ft)	21	121		42	390		46	79		28	132	
Queue Length 95th (ft)	49	182		84	#615		78	145		54	200	
Internal Link Dist (ft)		1176			365			2655			542	
Turn Bay Length (ft)	275			130			115			115		
Base Capacity (vph)	206	1667		482	1738		219	507		219	467	
Starvation Cap Reductn	0	0		0	0		0	0		0	0	
Spillback Cap Reductn	0	0		0	0		0	0		0	0	
Storage Cap Reductn	0	0		0	0		0	0		0	0	
Reduced v/c Ratio	0.37	0.32		0.30	0.74		0.39	0.41		0.24	0.48	

Intersection Summary

Area Type: Other
Cycle Length: 110
Actuated Cycle Length: 110
Offset: 0 (0%), Referenced to phase 2:EBTL and 6:WBTL, Start of Green
Natural Cycle: 70
Control Type: Actuated-Coordinated
Maximum v/c Ratio: 0.74
Intersection Signal Delay: 26.8 Intersection LOS: C
Intersection Capacity Utilization 73.7% ICU Level of Service D
Analysis Period (min) 15
95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.

Splits and Phases: 1: Bunn Street & Hamilton Road/Rhodes Lane

Intersection	
Int Delay, s/veh	1

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		⇕			⇕			⇕			⇕	
Traffic Vol, veh/h	0	0	0	22	0	8	0	168	18	4	241	0
Future Vol, veh/h	0	0	0	22	0	8	0	168	18	4	241	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	0	0	0	100	0	100	0	2	100	100	4	0
Mvmt Flow	0	0	0	24	0	9	0	183	20	4	262	0

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	468	473	262	463	463	193	262	0	0	203	0	0
Stage 1	270	270	-	193	193	-	-	-	-	-	-	-
Stage 2	198	203	-	270	270	-	-	-	-	-	-	-
Critical Hdwy	7.1	6.5	6.2	8.1	6.5	7.2	4.1	-	-	5.1	-	-
Critical Hdwy Stg 1	6.1	5.5	-	7.1	5.5	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.1	5.5	-	7.1	5.5	-	-	-	-	-	-	-
Follow-up Hdwy	3.5	4	3.3	4.4	4	4.2	2.2	-	-	3.1	-	-
Pot Cap-1 Maneuver	509	493	782	378	499	651	1314	-	-	949	-	-
Stage 1	740	690	-	628	745	-	-	-	-	-	-	-
Stage 2	808	737	-	564	690	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	500	491	782	376	497	651	1314	-	-	949	-	-
Mov Cap-2 Maneuver	500	491	-	376	497	-	-	-	-	-	-	-
Stage 1	740	687	-	628	745	-	-	-	-	-	-	-
Stage 2	797	737	-	561	687	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0	14.2	0	0.1
HCM LOS	A	B		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	1314	-	-	-	424	949	-	-
HCM Lane V/C Ratio	-	-	-	-	0.077	0.005	-	-
HCM Control Delay (s)	0	-	-	0	14.2	8.8	0	-
HCM Lane LOS	A	-	-	A	B	A	A	-
HCM 95th %tile Q(veh)	0	-	-	-	0.2	0	-	-

Intersection	
Int Delay, s/veh	1.6

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	33	14	30	153	224	39
Future Vol, veh/h	33	14	30	153	224	39
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	91	91	91	91	91	91
Heavy Vehicles, %	6	7	3	10	9	0
Mvmt Flow	36	15	33	168	246	43

Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	502	268	289	0	-	0
Stage 1	268	-	-	-	-	-
Stage 2	234	-	-	-	-	-
Critical Hdwy	6.46	6.27	4.13	-	-	-
Critical Hdwy Stg 1	5.46	-	-	-	-	-
Critical Hdwy Stg 2	5.46	-	-	-	-	-
Follow-up Hdwy	3.554	3.363	2.227	-	-	-
Pot Cap-1 Maneuver	522	759	1267	-	-	-
Stage 1	768	-	-	-	-	-
Stage 2	796	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	507	759	1267	-	-	-
Mov Cap-2 Maneuver	507	-	-	-	-	-
Stage 1	746	-	-	-	-	-
Stage 2	796	-	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s	12	1.3	0
HCM LOS	B		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR
Capacity (veh/h)	1267	-	563	-	-
HCM Lane V/C Ratio	0.026	-	0.092	-	-
HCM Control Delay (s)	7.9	0	12	-	-
HCM Lane LOS	A	A	B	-	-
HCM 95th %tile Q(veh)	0.1	-	0.3	-	-

Intersection	
Int Delay, s/veh	0.6

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	10	6	177	8	6	232
Future Vol, veh/h	10	6	177	8	6	232
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	94	94	94	94	94	94
Heavy Vehicles, %	100	100	7	100	100	6
Mvmt Flow	11	6	188	9	6	247

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	452	193	0	0	197	0
Stage 1	193	-	-	-	-	-
Stage 2	259	-	-	-	-	-
Critical Hdwy	7.4	7.2	-	-	5.1	-
Critical Hdwy Stg 1	6.4	-	-	-	-	-
Critical Hdwy Stg 2	6.4	-	-	-	-	-
Follow-up Hdwy	4.4	4.2	-	-	3.1	-
Pot Cap-1 Maneuver	421	651	-	-	955	-
Stage 1	652	-	-	-	-	-
Stage 2	602	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	418	651	-	-	955	-
Mov Cap-2 Maneuver	418	-	-	-	-	-
Stage 1	652	-	-	-	-	-
Stage 2	598	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	12.7	0	0.2
HCM LOS	B		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	SBL	SBT
Capacity (veh/h)	-	-	483	955	-
HCM Lane V/C Ratio	-	-	0.035	0.007	-
HCM Control Delay (s)	-	-	12.7	8.8	0
HCM Lane LOS	-	-	B	A	A
HCM 95th %tile Q(veh)	-	-	0.1	0	-

Intersection	
Int Delay, s/veh	1.7

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	15	34	44	170	224	18
Future Vol, veh/h	15	34	44	170	224	18
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	94	94	94	94	94	94
Heavy Vehicles, %	7	6	7	12	8	6
Mvmt Flow	16	36	47	181	238	19

Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	523	248	257	0	-	0
Stage 1	248	-	-	-	-	-
Stage 2	275	-	-	-	-	-
Critical Hdwy	6.47	6.26	4.17	-	-	-
Critical Hdwy Stg 1	5.47	-	-	-	-	-
Critical Hdwy Stg 2	5.47	-	-	-	-	-
Follow-up Hdwy	3.563	3.354	2.263	-	-	-
Pot Cap-1 Maneuver	506	781	1279	-	-	-
Stage 1	782	-	-	-	-	-
Stage 2	760	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	485	781	1279	-	-	-
Mov Cap-2 Maneuver	485	-	-	-	-	-
Stage 1	750	-	-	-	-	-
Stage 2	760	-	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s	10.9	1.6	0
HCM LOS	B		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR
Capacity (veh/h)	1279	-	658	-	-
HCM Lane V/C Ratio	0.037	-	0.079	-	-
HCM Control Delay (s)	7.9	0	10.9	-	-
HCM Lane LOS	A	A	B	-	-
HCM 95th %tile Q(veh)	0.1	-	0.3	-	-

Intersection	
Int Delay, s/veh	0.2

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	8	643	1337	2	0	6
Future Vol, veh/h	8	643	1337	2	0	6
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	25	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	91	91	91	91	91	91
Heavy Vehicles, %	100	1	4	100	100	100
Mvmt Flow	9	707	1469	2	0	7

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	1471	0	-	0	1842	736
Stage 1	-	-	-	-	1470	-
Stage 2	-	-	-	-	372	-
Critical Hdwy	6.1	-	-	-	8.8	8.9
Critical Hdwy Stg 1	-	-	-	-	7.8	-
Critical Hdwy Stg 2	-	-	-	-	7.8	-
Follow-up Hdwy	3.2	-	-	-	4.5	4.3
Pot Cap-1 Maneuver	167	-	-	-	23	204
Stage 1	-	-	-	-	72	-
Stage 2	-	-	-	-	447	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	167	-	-	-	22	204
Mov Cap-2 Maneuver	-	-	-	-	58	-
Stage 1	-	-	-	-	68	-
Stage 2	-	-	-	-	447	-

Approach	EB	WB	SB
HCM Control Delay, s	0.3	0	23.2
HCM LOS			C

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	167	-	-	-	204
HCM Lane V/C Ratio	0.053	-	-	-	0.032
HCM Control Delay (s)	27.8	-	-	-	23.2
HCM Lane LOS	D	-	-	-	C
HCM 95th %tile Q(veh)	0.2	-	-	-	0.1

Intersection	
Intersection Delay, s/veh	11.1
Intersection LOS	B

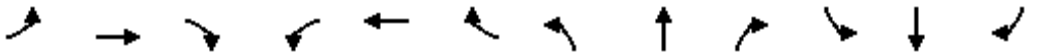
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	24	93	30	35	108	16	24	131	34	20	174	26
Future Vol, veh/h	24	93	30	35	108	16	24	131	34	20	174	26
Peak Hour Factor	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83
Heavy Vehicles, %	6	14	5	4	1	0	0	5	0	0	5	0
Mvmt Flow	29	112	36	42	130	19	29	158	41	24	210	31
Number of Lanes	0	1	0	0	1	0	0	1	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	1	1	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	1	1
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	1	1
HCM Control Delay	10.7	11	11	11.6
HCM LOS	B	B	B	B

Lane	NBLn1	EBLn1	WBLn1	SBLn1
Vol Left, %	13%	16%	22%	9%
Vol Thru, %	69%	63%	68%	79%
Vol Right, %	18%	20%	10%	12%
Sign Control	Stop	Stop	Stop	Stop
Traffic Vol by Lane	189	147	159	220
LT Vol	24	24	35	20
Through Vol	131	93	108	174
RT Vol	34	30	16	26
Lane Flow Rate	228	177	192	265
Geometry Grp	1	1	1	1
Degree of Util (X)	0.334	0.274	0.297	0.387
Departure Headway (Hd)	5.284	5.569	5.58	5.256
Convergence, Y/N	Yes	Yes	Yes	Yes
Cap	679	645	644	684
Service Time	3.328	3.614	3.625	3.297
HCM Lane V/C Ratio	0.336	0.274	0.298	0.387
HCM Control Delay	11	10.7	11	11.6
HCM Lane LOS	B	B	B	B
HCM 95th-tile Q	1.5	1.1	1.2	1.8

Capacity Analysis Summary Sheets

Weekday Morning Peak Hour – Projected Conditions

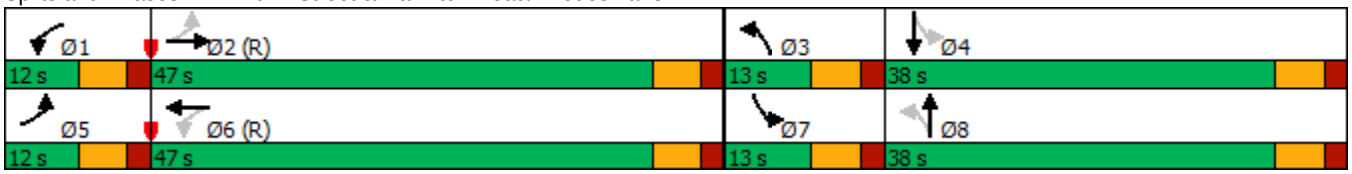


Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	131	974	52	102	567	33	40	53	126	53	70	78
Future Volume (vph)	131	974	52	102	567	33	40	53	126	53	70	78
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	11	11	11	11	11	11	11	11	11	11	11	11
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	275		0	130		0	115		0	115		0
Storage Lanes	1		0	1		0	1		0	1		0
Taper Length (ft)	121			60			95			95		
Lane Util. Factor	1.00	0.95	0.95	1.00	0.95	0.95	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor												
Frt		0.992			0.992			0.894			0.921	
Flt Protected	0.950			0.950			0.950			0.950		
Satd. Flow (prot)	1332	3397	0	1745	3257	0	1454	1632	0	1419	1495	0
Flt Permitted	0.324			0.151			0.488			0.382		
Satd. Flow (perm)	454	3397	0	277	3257	0	747	1632	0	570	1495	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)		6			6			110			51	
Link Speed (mph)		40			45			35			35	
Link Distance (ft)		1256			445			2735			622	
Travel Time (s)		21.4			6.7			53.3			12.1	
Confl. Peds. (#/hr)												
Confl. Bikes (#/hr)												
Peak Hour Factor	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	31%	2%	0%	0%	4%	45%	20%	2%	0%	23%	1%	24%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Shared Lane Traffic (%)												
Lane Group Flow (vph)	149	1166	0	116	682	0	45	203	0	60	169	0
Turn Type	pm+pt	NA		pm+pt	NA		pm+pt	NA		pm+pt	NA	
Protected Phases	5	2		1	6		3	8		7	4	
Permitted Phases	2			6			8			4		
Detector Phase	5	2		1	6		3	8		7	4	
Switch Phase												
Minimum Initial (s)	3.0	15.0		3.0	15.0		3.0	8.0		3.0	8.0	
Minimum Split (s)	9.0	21.0		9.0	21.0		9.0	14.0		9.0	14.0	
Total Split (s)	12.0	47.0		12.0	47.0		13.0	38.0		13.0	38.0	
Total Split (%)	10.9%	42.7%		10.9%	42.7%		11.8%	34.5%		11.8%	34.5%	
Yellow Time (s)	4.0	4.0		4.0	4.0		4.0	4.0		4.0	4.0	
All-Red Time (s)	2.0	2.0		2.0	2.0		2.0	2.0		2.0	2.0	
Lost Time Adjust (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Total Lost Time (s)	6.0	6.0		6.0	6.0		6.0	6.0		6.0	6.0	
Lead/Lag	Lead	Lag		Lead	Lag		Lead	Lag		Lead	Lag	
Lead-Lag Optimize?												
Recall Mode	None	C-Min		None	C-Min		None	None		None	None	
Act Effct Green (s)	68.0	56.9		64.7	55.2		20.9	15.3		20.9	15.3	
Actuated g/C Ratio	0.62	0.52		0.59	0.50		0.19	0.14		0.19	0.14	

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
v/c Ratio	0.40	0.66		0.40	0.42		0.24	0.63		0.38	0.67	
Control Delay	12.7	24.3		13.7	20.6		32.5	28.8		36.8	43.7	
Queue Delay	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Total Delay	12.7	24.3		13.7	20.6		32.5	28.8		36.8	43.7	
LOS	B	C		B	C		C	C		D	D	
Approach Delay		23.0			19.6			29.5			41.9	
Approach LOS		C			B			C			D	
Queue Length 50th (ft)	40	317		30	160		24	61		33	80	
Queue Length 95th (ft)	81	468		62	248		48	124		61	138	
Internal Link Dist (ft)		1176			365			2655			542	
Turn Bay Length (ft)	275			130			115			115		
Base Capacity (vph)	369	1760		288	1638		186	552		162	471	
Starvation Cap Reductn	0	0		0	0		0	0		0	0	
Spillback Cap Reductn	0	0		0	0		0	0		0	0	
Storage Cap Reductn	0	0		0	0		0	0		0	0	
Reduced v/c Ratio	0.40	0.66		0.40	0.42		0.24	0.37		0.37	0.36	

Intersection Summary			
Area Type:	Other		
Cycle Length: 110			
Actuated Cycle Length: 110			
Offset: 0 (0%), Referenced to phase 2:EBTL and 6:WBTL, Start of Green			
Natural Cycle: 60			
Control Type: Actuated-Coordinated			
Maximum v/c Ratio: 0.67			
Intersection Signal Delay: 24.2		Intersection LOS: C	
Intersection Capacity Utilization 68.1%		ICU Level of Service C	
Analysis Period (min) 15			

Splits and Phases: 1: Bunn Street & Hamilton Road/Rhodes Lane



Intersection	
Int Delay, s/veh	1.6

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Traffic Vol, veh/h	0	0	0	24	0	14	0	216	20	12	111	0
Future Vol, veh/h	0	0	0	24	0	14	0	216	20	12	111	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	91	91	91	91	91	91	91	91	91	91	91	91
Heavy Vehicles, %	0	0	0	100	0	100	0	6	100	100	8	0
Mvmt Flow	0	0	0	26	0	15	0	237	22	13	122	0

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	404	407	122	396	396	248	122	0	0	259	0	0
Stage 1	148	148	-	248	248	-	-	-	-	-	-	-
Stage 2	256	259	-	148	148	-	-	-	-	-	-	-
Critical Hdwy	7.1	6.5	6.2	8.1	6.5	7.2	4.1	-	-	5.1	-	-
Critical Hdwy Stg 1	6.1	5.5	-	7.1	5.5	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.1	5.5	-	7.1	5.5	-	-	-	-	-	-	-
Follow-up Hdwy	3.5	4	3.3	4.4	4	4.2	2.2	-	-	3.1	-	-
Pot Cap-1 Maneuver	561	537	935	423	544	601	1478	-	-	898	-	-
Stage 1	859	779	-	582	705	-	-	-	-	-	-	-
Stage 2	753	697	-	668	779	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	540	528	935	418	535	601	1478	-	-	898	-	-
Mov Cap-2 Maneuver	540	528	-	418	535	-	-	-	-	-	-	-
Stage 1	859	767	-	582	705	-	-	-	-	-	-	-
Stage 2	734	697	-	657	767	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0	13.4	0	0.9
HCM LOS	A	B		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	1478	-	-	-	471	898	-	-
HCM Lane V/C Ratio	-	-	-	-	0.089	0.015	-	-
HCM Control Delay (s)	0	-	-	0	13.4	9.1	0	-
HCM Lane LOS	A	-	-	A	B	A	A	-
HCM 95th %tile Q(veh)	0	-	-	-	0.3	0	-	-

Intersection	
Int Delay, s/veh	2.3

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	50	29	14	186	117	18
Future Vol, veh/h	50	29	14	186	117	18
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	89	89	89	89	89	89
Heavy Vehicles, %	2	3	7	13	19	6
Mvmt Flow	56	33	16	209	131	20

Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	382	141	151	0	-	0
Stage 1	141	-	-	-	-	-
Stage 2	241	-	-	-	-	-
Critical Hdwy	6.42	6.23	4.17	-	-	-
Critical Hdwy Stg 1	5.42	-	-	-	-	-
Critical Hdwy Stg 2	5.42	-	-	-	-	-
Follow-up Hdwy	3.518	3.327	2.263	-	-	-
Pot Cap-1 Maneuver	620	904	1400	-	-	-
Stage 1	886	-	-	-	-	-
Stage 2	799	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	612	904	1400	-	-	-
Mov Cap-2 Maneuver	612	-	-	-	-	-
Stage 1	874	-	-	-	-	-
Stage 2	799	-	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s	10.9	0.5	0
HCM LOS	B		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR
Capacity (veh/h)	1400	-	694	-	-
HCM Lane V/C Ratio	0.011	-	0.128	-	-
HCM Control Delay (s)	7.6	0	10.9	-	-
HCM Lane LOS	A	A	B	-	-
HCM 95th %tile Q(veh)	0	-	0.4	-	-

Intersection	
Int Delay, s/veh	0.7

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	9	8	192	19	6	140
Future Vol, veh/h	9	8	192	19	6	140
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	81	81	81	81	81	81
Heavy Vehicles, %	100	100	11	100	100	15
Mvmt Flow	11	10	237	23	7	173

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	436	249	0	0	260	0
Stage 1	249	-	-	-	-	-
Stage 2	187	-	-	-	-	-
Critical Hdwy	7.4	7.2	-	-	5.1	-
Critical Hdwy Stg 1	6.4	-	-	-	-	-
Critical Hdwy Stg 2	6.4	-	-	-	-	-
Follow-up Hdwy	4.4	4.2	-	-	3.1	-
Pot Cap-1 Maneuver	431	600	-	-	897	-
Stage 1	610	-	-	-	-	-
Stage 2	656	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	427	600	-	-	897	-
Mov Cap-2 Maneuver	427	-	-	-	-	-
Stage 1	610	-	-	-	-	-
Stage 2	650	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	12.6	0	0.4
HCM LOS	B		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	SBL	SBT
Capacity (veh/h)	-	-	494	897	-
HCM Lane V/C Ratio	-	-	0.042	0.008	-
HCM Control Delay (s)	-	-	12.6	9	0
HCM Lane LOS	-	-	B	A	A
HCM 95th %tile Q(veh)	-	-	0.1	0	-

Intersection	
Int Delay, s/veh	2.4

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	21	59	27	190	142	7
Future Vol, veh/h	21	59	27	190	142	7
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	78	78	78	78	78	78
Heavy Vehicles, %	9	8	22	10	17	0
Mvmt Flow	27	76	35	244	182	9

Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	501	187	191	0	-	0
Stage 1	187	-	-	-	-	-
Stage 2	314	-	-	-	-	-
Critical Hdwy	6.49	6.28	4.32	-	-	-
Critical Hdwy Stg 1	5.49	-	-	-	-	-
Critical Hdwy Stg 2	5.49	-	-	-	-	-
Follow-up Hdwy	3.581	3.372	2.398	-	-	-
Pot Cap-1 Maneuver	517	840	1271	-	-	-
Stage 1	828	-	-	-	-	-
Stage 2	725	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	500	840	1271	-	-	-
Mov Cap-2 Maneuver	500	-	-	-	-	-
Stage 1	802	-	-	-	-	-
Stage 2	725	-	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s	10.9	1	0
HCM LOS	B		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR
Capacity (veh/h)	1271	-	713	-	-
HCM Lane V/C Ratio	0.027	-	0.144	-	-
HCM Control Delay (s)	7.9	0	10.9	-	-
HCM Lane LOS	A	A	B	-	-
HCM 95th %tile Q(veh)	0.1	-	0.5	-	-

Intersection	
Int Delay, s/veh	0

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	1	1152	700	0	0	2
Future Vol, veh/h	1	1152	700	0	0	2
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	25	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	80	80	80	80	80	80
Heavy Vehicles, %	100	5	8	0	0	0
Mvmt Flow	1	1440	875	0	0	3

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	875	0	-	0	1597	438
Stage 1	-	-	-	-	875	-
Stage 2	-	-	-	-	722	-
Critical Hdwy	6.1	-	-	-	6.8	6.9
Critical Hdwy Stg 1	-	-	-	-	5.8	-
Critical Hdwy Stg 2	-	-	-	-	5.8	-
Follow-up Hdwy	3.2	-	-	-	3.5	3.3
Pot Cap-1 Maneuver	367	-	-	-	99	572
Stage 1	-	-	-	-	373	-
Stage 2	-	-	-	-	447	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	367	-	-	-	99	572
Mov Cap-2 Maneuver	-	-	-	-	230	-
Stage 1	-	-	-	-	372	-
Stage 2	-	-	-	-	447	-

Approach	EB	WB	SB
HCM Control Delay, s	0	0	11.3
HCM LOS			B

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	367	-	-	-	572
HCM Lane V/C Ratio	0.003	-	-	-	0.004
HCM Control Delay (s)	14.8	-	-	-	11.3
HCM Lane LOS	B	-	-	-	B
HCM 95th %tile Q(veh)	0	-	-	-	0

Intersection	
Intersection Delay, s/veh	10.4
Intersection LOS	B

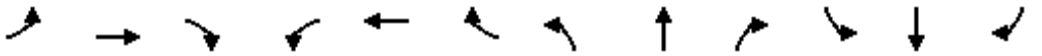
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	16	95	23	21	53	7	31	133	56	17	72	18
Future Vol, veh/h	16	95	23	21	53	7	31	133	56	17	72	18
Peak Hour Factor	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84
Heavy Vehicles, %	25	14	30	38	2	0	26	10	2	23	17	7
Mvmt Flow	19	113	27	25	63	8	37	158	67	20	86	21
Number of Lanes	0	1	0	0	1	0	0	1	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	1	1	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	1	1
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	1	1
HCM Control Delay	10.2	9.9	11.2	9.6
HCM LOS	B	A	B	A

Lane	NBLn1	EBLn1	WBLn1	SBLn1
Vol Left, %	14%	12%	26%	16%
Vol Thru, %	60%	71%	65%	67%
Vol Right, %	25%	17%	9%	17%
Sign Control	Stop	Stop	Stop	Stop
Traffic Vol by Lane	220	134	81	107
LT Vol	31	16	21	17
Through Vol	133	95	53	72
RT Vol	56	23	7	18
Lane Flow Rate	262	160	96	127
Geometry Grp	1	1	1	1
Degree of Util (X)	0.37	0.239	0.155	0.187
Departure Headway (Hd)	5.088	5.387	5.778	5.271
Convergence, Y/N	Yes	Yes	Yes	Yes
Cap	702	660	614	674
Service Time	3.161	3.471	3.871	3.357
HCM Lane V/C Ratio	0.373	0.242	0.156	0.188
HCM Control Delay	11.2	10.2	9.9	9.6
HCM Lane LOS	B	B	A	A
HCM 95th-tile Q	1.7	0.9	0.5	0.7

Capacity Analysis Summary Sheets

Weekday Evening Peak Hour – Projected Conditions



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	78	471	25	136	1134	74	81	70	126	53	135	78
Future Volume (vph)	78	471	25	136	1134	74	81	70	126	53	135	78
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	11	11	11	11	11	11	11	11	11	11	11	11
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	275		0	130		0	115		0	115		0
Storage Lanes	1		0	1		0	1		0	1		0
Taper Length (ft)	121			60			95			95		
Lane Util. Factor	1.00	0.95	0.95	1.00	0.95	0.95	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor												
Frt		0.992			0.991			0.903			0.945	
Flt Protected	0.950			0.950			0.950			0.950		
Satd. Flow (prot)	1558	3397	0	1631	3312	0	1745	1635	0	1544	1618	0
Flt Permitted	0.112			0.399			0.401			0.447		
Satd. Flow (perm)	184	3397	0	685	3312	0	737	1635	0	727	1618	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)		6			7			81			26	
Link Speed (mph)		40			45			35			35	
Link Distance (ft)		1256			445			2735			622	
Travel Time (s)		21.4			6.7			53.3			12.1	
Confl. Peds. (#/hr)												
Confl. Bikes (#/hr)												
Peak Hour Factor	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	12%	2%	0%	7%	4%	11%	0%	4%	0%	13%	4%	13%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Shared Lane Traffic (%)												
Lane Group Flow (vph)	83	528	0	145	1285	0	86	208	0	56	227	0
Turn Type	pm+pt	NA		pm+pt	NA		pm+pt	NA		pm+pt	NA	
Protected Phases	5	2		1	6		3	8		7	4	
Permitted Phases	2			6			8			4		
Detector Phase	5	2		1	6		3	8		7	4	
Switch Phase												
Minimum Initial (s)	3.0	15.0		3.0	15.0		3.0	8.0		3.0	8.0	
Minimum Split (s)	9.0	21.0		9.0	21.0		9.0	14.0		9.0	14.0	
Total Split (s)	12.0	50.0		12.0	50.0		12.0	36.0		12.0	36.0	
Total Split (%)	10.9%	45.5%		10.9%	45.5%		10.9%	32.7%		10.9%	32.7%	
Yellow Time (s)	4.0	4.0		4.0	4.0		4.0	4.0		4.0	4.0	
All-Red Time (s)	2.0	2.0		2.0	2.0		2.0	2.0		2.0	2.0	
Lost Time Adjust (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Total Lost Time (s)	6.0	6.0		6.0	6.0		6.0	6.0		6.0	6.0	
Lead/Lag	Lead	Lag		Lead	Lag		Lead	Lag		Lead	Lag	
Lead-Lag Optimize?												
Recall Mode	None	C-Min		None	C-Min		None	None		None	None	
Act Effct Green (s)	61.3	53.5		64.6	57.0		24.8	20.0		24.8	20.0	
Actuated g/C Ratio	0.56	0.49		0.59	0.52		0.23	0.18		0.23	0.18	

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
v/c Ratio	0.42	0.32		0.30	0.75		0.39	0.57		0.27	0.72	
Control Delay	17.7	19.6		12.5	27.7		33.5	30.0		30.1	49.8	
Queue Delay	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Total Delay	17.7	19.6		12.5	27.7		33.5	30.0		30.1	49.8	
LOS	B	B		B	C		C	C		C	D	
Approach Delay		19.3			26.2			31.1			45.9	
Approach LOS		B			C			C			D	
Queue Length 50th (ft)	23	121		42	396		45	81		29	135	
Queue Length 95th (ft)	53	181		85	#616		77	146		55	204	
Internal Link Dist (ft)		1176			365			2655			542	
Turn Bay Length (ft)	275			130			115			115		
Base Capacity (vph)	199	1655		478	1720		221	504		208	460	
Starvation Cap Reductn	0	0		0	0		0	0		0	0	
Spillback Cap Reductn	0	0		0	0		0	0		0	0	
Storage Cap Reductn	0	0		0	0		0	0		0	0	
Reduced v/c Ratio	0.42	0.32		0.30	0.75		0.39	0.41		0.27	0.49	

Intersection Summary

Area Type: Other
Cycle Length: 110
Actuated Cycle Length: 110
Offset: 0 (0%), Referenced to phase 2:EBTL and 6:WBTL, Start of Green
Natural Cycle: 70
Control Type: Actuated-Coordinated
Maximum v/c Ratio: 0.75
Intersection Signal Delay: 27.3 Intersection LOS: C
Intersection Capacity Utilization 74.4% ICU Level of Service D
Analysis Period (min) 15
95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.

Splits and Phases: 1: Bunn Street & Hamilton Road/Rhodes Lane

Intersection	
Int Delay, s/veh	1

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Traffic Vol, veh/h	0	0	0	22	0	8	0	170	18	4	242	0
Future Vol, veh/h	0	0	0	22	0	8	0	170	18	4	242	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	0	0	0	100	0	100	0	2	100	100	4	0
Mvmt Flow	0	0	0	24	0	9	0	185	20	4	263	0

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	471	476	263	466	466	195	263	0	0	205	0	0
Stage 1	271	271	-	195	195	-	-	-	-	-	-	-
Stage 2	200	205	-	271	271	-	-	-	-	-	-	-
Critical Hdwy	7.1	6.5	6.2	8.1	6.5	7.2	4.1	-	-	5.1	-	-
Critical Hdwy Stg 1	6.1	5.5	-	7.1	5.5	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.1	5.5	-	7.1	5.5	-	-	-	-	-	-	-
Follow-up Hdwy	3.5	4	3.3	4.4	4	4.2	2.2	-	-	3.1	-	-
Pot Cap-1 Maneuver	506	491	781	376	497	649	1313	-	-	948	-	-
Stage 1	739	689	-	626	743	-	-	-	-	-	-	-
Stage 2	806	736	-	563	689	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	497	489	781	374	495	649	1313	-	-	948	-	-
Mov Cap-2 Maneuver	497	489	-	374	495	-	-	-	-	-	-	-
Stage 1	739	686	-	626	743	-	-	-	-	-	-	-
Stage 2	795	736	-	560	686	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0	14.2	0	0.1
HCM LOS	A	B		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	1313	-	-	-	422	948	-	-
HCM Lane V/C Ratio	-	-	-	-	0.077	0.005	-	-
HCM Control Delay (s)	0	-	-	0	14.2	8.8	0	-
HCM Lane LOS	A	-	-	A	B	A	A	-
HCM 95th %tile Q(veh)	0	-	-	-	0.2	0	-	-

Intersection	
Int Delay, s/veh	1.6

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	33	14	30	155	225	39
Future Vol, veh/h	33	14	30	155	225	39
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	91	91	91	91	91	91
Heavy Vehicles, %	6	7	3	10	9	0
Mvmt Flow	36	15	33	170	247	43

Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	505	269	290	0	-	0
Stage 1	269	-	-	-	-	-
Stage 2	236	-	-	-	-	-
Critical Hdwy	6.46	6.27	4.13	-	-	-
Critical Hdwy Stg 1	5.46	-	-	-	-	-
Critical Hdwy Stg 2	5.46	-	-	-	-	-
Follow-up Hdwy	3.554	3.363	2.227	-	-	-
Pot Cap-1 Maneuver	520	758	1266	-	-	-
Stage 1	767	-	-	-	-	-
Stage 2	794	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	505	758	1266	-	-	-
Mov Cap-2 Maneuver	505	-	-	-	-	-
Stage 1	745	-	-	-	-	-
Stage 2	794	-	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s	12.1	1.3	0
HCM LOS	B		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR
Capacity (veh/h)	1266	-	561	-	-
HCM Lane V/C Ratio	0.026	-	0.092	-	-
HCM Control Delay (s)	7.9	0	12.1	-	-
HCM Lane LOS	A	A	B	-	-
HCM 95th %tile Q(veh)	0.1	-	0.3	-	-

Intersection	
Int Delay, s/veh	0.9

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	18	8	177	16	7	232
Future Vol, veh/h	18	8	177	16	7	232
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	94	94	94	94	94	94
Heavy Vehicles, %	100	100	7	100	100	6
Mvmt Flow	19	9	188	17	7	247

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	458	197	0	0	205	0
Stage 1	197	-	-	-	-	-
Stage 2	261	-	-	-	-	-
Critical Hdwy	7.4	7.2	-	-	5.1	-
Critical Hdwy Stg 1	6.4	-	-	-	-	-
Critical Hdwy Stg 2	6.4	-	-	-	-	-
Follow-up Hdwy	4.4	4.2	-	-	3.1	-
Pot Cap-1 Maneuver	417	647	-	-	948	-
Stage 1	649	-	-	-	-	-
Stage 2	601	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	413	647	-	-	948	-
Mov Cap-2 Maneuver	413	-	-	-	-	-
Stage 1	649	-	-	-	-	-
Stage 2	596	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	13.2	0	0.3
HCM LOS	B		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	SBL	SBT
Capacity (veh/h)	-	-	465	948	-
HCM Lane V/C Ratio	-	-	0.059	0.008	-
HCM Control Delay (s)	-	-	13.2	8.8	0
HCM Lane LOS	-	-	B	A	A
HCM 95th %tile Q(veh)	-	-	0.2	0	-

Intersection	
Int Delay, s/veh	1.7

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	15	34	44	178	232	18
Future Vol, veh/h	15	34	44	178	232	18
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	94	94	94	94	94	94
Heavy Vehicles, %	7	6	7	12	8	6
Mvmt Flow	16	36	47	189	247	19

Major/Minor	Minor2		Major1		Major2	
Conflicting Flow All	540	257	266	0	-	0
Stage 1	257	-	-	-	-	-
Stage 2	283	-	-	-	-	-
Critical Hdwy	6.47	6.26	4.17	-	-	-
Critical Hdwy Stg 1	5.47	-	-	-	-	-
Critical Hdwy Stg 2	5.47	-	-	-	-	-
Follow-up Hdwy	3.563	3.354	2.263	-	-	-
Pot Cap-1 Maneuver	494	772	1269	-	-	-
Stage 1	774	-	-	-	-	-
Stage 2	754	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	474	772	1269	-	-	-
Mov Cap-2 Maneuver	474	-	-	-	-	-
Stage 1	742	-	-	-	-	-
Stage 2	754	-	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s	11.1	1.6	0
HCM LOS	B		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR
Capacity (veh/h)	1269	-	647	-	-
HCM Lane V/C Ratio	0.037	-	0.081	-	-
HCM Control Delay (s)	7.9	0	11.1	-	-
HCM Lane LOS	A	A	B	-	-
HCM 95th %tile Q(veh)	0.1	-	0.3	-	-

Intersection	
Int Delay, s/veh	0.1

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	4	646	1338	2	0	6
Future Vol, veh/h	4	646	1338	2	0	6
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	25	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	91	91	91	91	91	91
Heavy Vehicles, %	100	1	4	100	100	100
Mvmt Flow	4	710	1470	2	0	7

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	1472	0	-	0	1834	736
Stage 1	-	-	-	-	1471	-
Stage 2	-	-	-	-	363	-
Critical Hdwy	6.1	-	-	-	8.8	8.9
Critical Hdwy Stg 1	-	-	-	-	7.8	-
Critical Hdwy Stg 2	-	-	-	-	7.8	-
Follow-up Hdwy	3.2	-	-	-	4.5	4.3
Pot Cap-1 Maneuver	167	-	-	-	23	204
Stage 1	-	-	-	-	72	-
Stage 2	-	-	-	-	453	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	167	-	-	-	22	204
Mov Cap-2 Maneuver	-	-	-	-	60	-
Stage 1	-	-	-	-	70	-
Stage 2	-	-	-	-	453	-

Approach	EB	WB	SB
HCM Control Delay, s	0.2	0	23.2
HCM LOS			C

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	167	-	-	-	204
HCM Lane V/C Ratio	0.026	-	-	-	0.032
HCM Control Delay (s)	27.1	-	-	-	23.2
HCM Lane LOS	D	-	-	-	C
HCM 95th %tile Q(veh)	0.1	-	-	-	0.1

Intersection	
Intersection Delay, s/veh	11.2
Intersection LOS	B

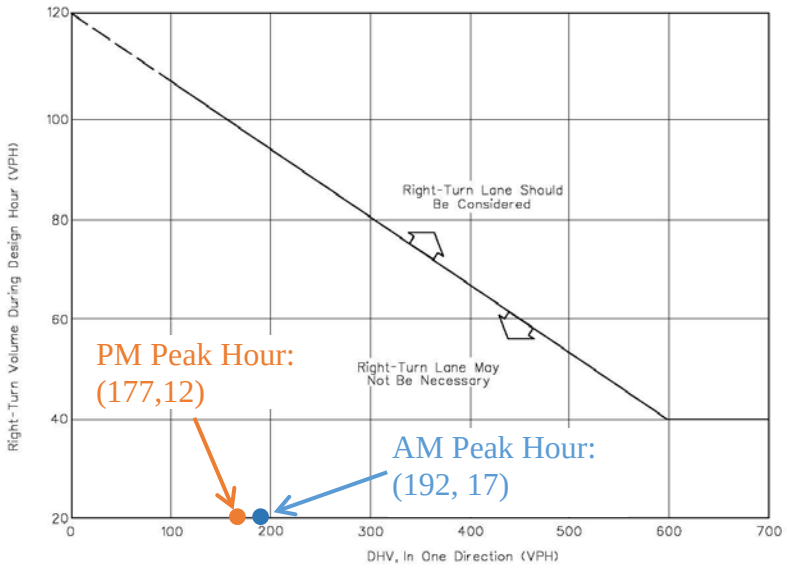
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	24	93	30	36	108	16	25	131	35	20	174	26
Future Vol, veh/h	24	93	30	36	108	16	25	131	35	20	174	26
Peak Hour Factor	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83
Heavy Vehicles, %	6	14	5	6	1	0	4	5	3	0	5	0
Mvmt Flow	29	112	36	43	130	19	30	158	42	24	210	31
Number of Lanes	0	1	0	0	1	0	0	1	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	1	1	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	1	1
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	1	1
HCM Control Delay	10.8	11.1	11.2	11.7
HCM LOS	B	B	B	B

Lane	NBLn1	EBLn1	WBLn1	SBLn1
Vol Left, %	13%	16%	23%	9%
Vol Thru, %	69%	63%	68%	79%
Vol Right, %	18%	20%	10%	12%
Sign Control	Stop	Stop	Stop	Stop
Traffic Vol by Lane	191	147	160	220
LT Vol	25	24	36	20
Through Vol	131	93	108	174
RT Vol	35	30	16	26
Lane Flow Rate	230	177	193	265
Geometry Grp	1	1	1	1
Degree of Util (X)	0.343	0.275	0.302	0.388
Departure Headway (Hd)	5.363	5.591	5.634	5.275
Convergence, Y/N	Yes	Yes	Yes	Yes
Cap	670	641	636	681
Service Time	3.409	3.64	3.681	3.319
HCM Lane V/C Ratio	0.343	0.276	0.303	0.389
HCM Control Delay	11.2	10.8	11.1	11.7
HCM Lane LOS	B	B	B	B
HCM 95th-tile Q	1.5	1.1	1.3	1.8

Left-Turn Lane and Right-Turn Lane Evaluation

Right Turn Lane Guidelines (IDOT)
Bunn Street with the New Public Road



Note: For highways with a design speed below 50 mph (80 km/hr), with a DHV in one direction of less than 300, and where right turns are greater than 40, an adjustment should be used. To read the vertical axis of the chart, subtract 20 from the actual number of right turns.

Example

Given:	Design Speed	=	35 mph (60 km/hr)
	DHV (in one direction)	=	250 vph
	Right Turns	=	100 vph

Problem: Determine if a right-turn lane is warranted.

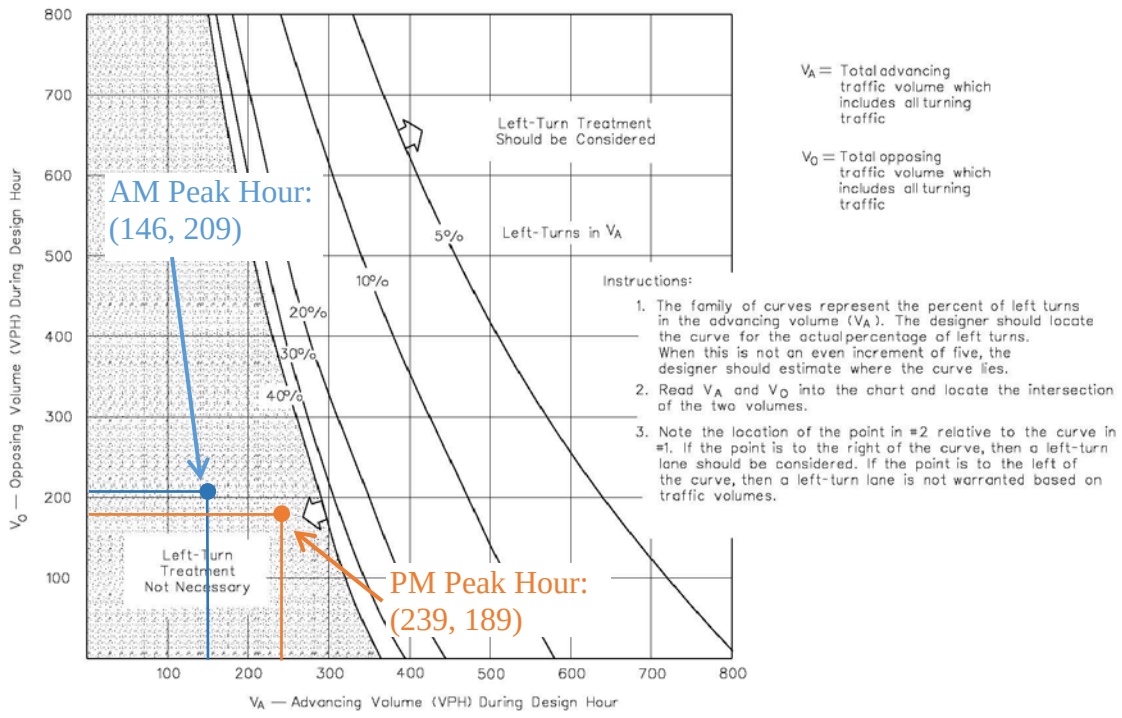
Solution: To read the vertical axis, use 100 - 20 = 80 vph. The figure indicates that right-turn lane is not necessary, unless other factors (e.g., high crash rate) indicate a lane is needed.

GUIDELINES FOR RIGHT-TURN LANES AT UNSIGNALIZED INTERSECTIONS ON TWO-LANE HIGHWAYS

Figure 36-3.A

HARD COPIES UNCONTROLLED

Left Turn Lane Guidelines (IDOT)
Bunn Street with the New Public Road



VOLUME GUIDELINES FOR LEFT-TURN LANES AT UNSIGNALIZED INTERSECTIONS ON TWO-LANE HIGHWAYS (40 mph Design Speed)

Figure 36-3.G

7.1 INTRODUCTION 7-1
7.2 EXCLUSION OF HAZARDOUS WASTE 7-1
7.3 CONCLUSION 7-1
7.4 CERTIFICATION 7-2

7. IF THE FACILITY WILL BE TREATING, STORING OR DISPOSING OF HAZARDOUS WASTE, AN EMERGENCY RESPONSE PLAN EXISTS FOR THE FACILITY WHICH INCLUDES NOTIFICATION, CONTAINMENT AND EVACUATION PROCEDURES TO BE USED IN CASE OF AN ACCIDENTAL RELEASE

7.1 INTRODUCTION

Compliance with Criterion 7 of Section 39.2 of the Illinois Environmental Protection Act is a requirement for local siting approval for the Henson Recycling Campus Transfer Station siting application.

7.2 EXCLUSION OF HAZARDOUS WASTE

The proposed Henson Recycling Campus Transfer Station will not be treating, storing, or disposing of hazardous waste.

7.3 CONCLUSION

The Henson Recycling Campus Transfer Station application for local siting complies with Criterion 7.

7.4 CERTIFICATION

I hereby certify that all information contained in this Application for Local Siting Approval for Criterion 7 was prepared by me or under my direct supervision, and is true and correct to the best of my knowledge and belief.

Karl W. Finke, P.E.

8/16/23
Date

062.068571-IL
Professional Engineering Registration Number and State

CRITERION 8:
SOLID WASTE MANAGEMENT PLAN CONSISTENCY ANALYSIS

The Illinois Environmental Protection Act, at 415 ILCS 5/39.2 (a)(viii), requires that an applicant for a transfer station siting demonstrate that the proposed transfer station is consistent with a solid management waste plan adopted pursuant to the planning requirements of the Local Solid Waste Disposal Act or the Solid Waste Planning and Recycling Act. This report demonstrates that the proposed Henson Recycling Campus Transfer Station is consistent with the McLean County Solid Waste Management Plan in effect at the time this Application for Local Siting Approval was submitted.

Prepared for:

LAKESHORE RECYCLING SYSTEMS, LLC
HENSON RECYCLING CAMPUS TRANSFER STATION
BLOOMINGTON, ILLINOIS
MCLEAN COUNTY

Prepared by:

CIVIL & ENVIRONMENTAL CONSULTANTS, INC.
NAPERVILLE, ILLINOIS

CEC Project 318-216

AUGUST 2023

Civil & Environmental Consultants, Inc.
1230 East Diehl Road, Suite 200 | Naperville, IL 60563 | p: 630-963-6026 f: 630-963-6027 | www.cecinc.com

8.0 INTRODUCTION

The Illinois Environmental Protection Act requires that if a pollution control facility, such as the transfer station that is the subject of this Application for Local Siting Approval (Application), is to be located in a county where the county board has adopted a solid waste management plan pursuant to the Local Solid Waste Disposal Act or the Solid Waste Planning and Recycling Act, the transfer station must be consistent with the county plan. This demonstration must be consistent with the plan in effect when an application for siting approval is submitted for local approval. This report demonstrates that the Henson Recycling Campus Transfer Station (HRC Transfer Station) is consistent with the McLean County Solid Waste Management Plan (SWMP) now in effect.

8.1 HENSON RECYCLING CAMPUS TRANSFER STATION

Lakeshore Recycling Systems, LLC (LRS) is applying to the McLean County Board for local siting approval of a municipal solid waste (MSW) transfer station, which will be located in an unincorporated area of McLean County, Illinois in close proximity to the City of Bloomington. The proposed facility (the HRC Transfer Station) is located east of Interstate 55, southwest of the Norfolk Southern Railroad, north of Rhodes Street, and east of Bunn Street near the south-central part of the City of Bloomington.

LRS owns Henson Disposal, LLC (Henson Disposal), which is the developer of the approximately 42-acre recycling campus (Henson Recycling Campus or HRC) that includes:

- The area's only general construction or demolition debris (C&D) recycling facility;
- A landscape waste transfer facility;
- A mulching operation; and
- A concrete batch plant that recycles certain byproducts.

The HRC reduces the amount of C&D and other materials sent to landfills and helps McLean County meet its recycling goals.

The proposed HRC Transfer Station shall be a state-of-the-practice facility where loads of MSW from collection vehicles will be consolidated into larger loads for transport to a permitted landfill. In addition to MSW, the transfer station is designed to accept single stream recyclables from collection vehicles for consolidation into larger loads for transport to a material recovery facility. The proposed HRC Transfer Station will complement the existing operations at the Henson Recycling Campus.

The proposed transfer facility will assist cities and towns in McLean County, by providing efficient transport services to disposal locations outside the county. The communities in McLean County currently rely on transfer of MSW to out-of-county landfills. The proposed facility will benefit the community by:

- Increasing competition, which is anticipated to reduce the cost of waste disposal and improved services;
- Increasing recycling; and
- Providing a host fee to be paid for every ton of refuse that is transferred at the facility to both McLean County and the City of Bloomington, which can be used to help fund McLean County's Ecology Action Center activities.

The Henson Recycling Campus Transfer Station is designed to accommodate a daily throughput of 400 tons per day to account for seasonal fluctuations. The facility will transfer waste and recyclable materials collected by Henson, as well as from third-party haulers.

8.2 COUNTY SOLID WASTE PLANNING REQUIREMENTS

The Illinois Solid Waste Planning and Recycling Act (Waste Planning Act), initially promulgated in 1988, required that each county in the state adopt a twenty-year plan for managing the MSW generated within its boundaries [415 ILCS 15/1 et seq.]. Each county waste management plan is required to be updated and reviewed every five years.

Each SWMP is required to contain, at a minimum, the following provisions:

- A description of the origin, content, and weight or volume of municipal waste currently generated within the county's boundaries, and the origin, content, and weight or volume of municipal waste that will be generated within the county's boundaries during the next twenty years, including an assessment of the primary variables affecting this estimate and the extent to which they can reasonably be expected to occur.
- A description of the facilities where municipal waste is currently being processed or disposed of and the remaining available permitted capacity of such facilities.
- A description of the facilities and programs that are proposed for the management of municipal waste generated within the county's boundaries during the next twenty years, including, but not limited to, their size, expected cost, and financing method.
- An evaluation of the environmental, energy, life cycle cost, and economic advantages and disadvantages of the proposed waste management facilities and programs.
- A description of the time schedule for the development and operation of each proposed facility or program.
- The identity of potential sites within the county where each proposed waste processing, disposal, and recycling program will be located or an explanation of how the sites will be chosen. For any facility outside the county that the county proposes to utilize, the plan shall explain the reasons for selecting such facility.
- The identity of the governmental entity that will be responsible for implementing the plan on behalf of the county and explanation of the legal basis for the entity's authority to do so.

The Waste Planning Act also requires that each county SWMP shall also include a recycling program. Such recycling programs:

- Shall be designed to recycle, by the end of the third and fifth years of the program, respectively 15% and 25% of the municipal waste generated in the county, subject to the existence of a viable market for the recycled material, based on measurements of recycling and waste generated in terms of weight.

- May provide for the construction and operation of one or more recycling centers by a unit of local government, or for contracting with other public or private entities for the operation of recycling centers.
- Shall include public education and notification programs to foster understanding of and encourage compliance with the recycling program.
- Shall include provisions for compliance, including incentives and penalties.
- Shall include provisions for (i) recycling the collected materials, (ii) identifying potential markets for at least three recyclable materials, and (iii) promoting the use of products made from recovered or recycled materials among businesses, newspapers, and local governments in the county.

8.3 MCLEAN COUNTY SOLID WASTE MANAGEMENT PLAN

The original McLean County Integrated Solid Waste Management Plan was approved in 1992, with five-year updates approved in 1997, 2002, 2007, and 2012 (Integrated Solid Waste Management Plan). The next five-year update was due in 2017, but significant changes in the waste management landscape since 1992 led the McLean County Solid Waste Technical Committee to unanimously support the creation of a new 20-year solid waste plan. A new plan, in contrast to another five-year update, provides a fresh start and considers improvements in recycling strategies and systems, fluctuations in commodity markets, contemporary perspectives and behaviors by residents on waste issues, and new and emerging technologies for more efficient waste management.

The Ecology Action Center, as the designated solid waste agency for McLean County, the City of Bloomington (Bloomington), and the Town of Normal (Normal), coordinated the process to create a new solid waste plan and is responsible for its implementation. The new plan, dated December 27, 2017, was approved separately by Normal, Bloomington, and McLean County in early 2018 and is entitled "Twenty-Year Materials Recovery and Resource Management Plan for McLean County, Bloomington, and Normal, Illinois" (2017 Twenty-Year Plan). The 2017 Twenty-Year Plan supersedes the Integrated Solid Waste Management Plan and is provided in Attachment 8-A.

8.3.1 2017 TWENTY-YEAR PLAN

The 2017 Twenty-Year Plan was developed as a 20-year progressive plan for waste reduction, recycling, composting, and disposal to manage MSW in a responsible and cost-effective manner. The following are relevant excerpts:

- The McLean County Solid Waste Technical Committee developed and approved the following goals for the 2017 Twenty-Year Plan at its meeting on November 3, 2015.
    - Goal 1: Significantly reduce the amount of solid waste requiring disposal through increasing source reduction, reusing, recycling, and composting;
    - Goal 2: Manage the remaining solid waste disposal in an efficient, equitable, and environmentally protective manner, consistent with the solid waste hierarchy; and
    - Goal 3: Adopt secure, long-term funding mechanisms that provide sufficient revenue for all local waste program needs while providing incentives for increased waste reduction and diversion [Section 3, page 9].
- Most McLean County waste that is not diverted is landfilled at the Republic Service's McLean County Landfill #2 (McLean County Landfill) with the vast majority of the landfilled waste generated in the urban area of Bloomington and Normal. [Section 4.A, page 10].

- Bloomington and Normal have a joint contract with Republic Services for disposal of municipal solid waste collected by Bloomington and Normal waste trucks respectively. [Section 4.A, page 10].
- The McLean County Landfill is expected to begin closure procedures around March of 2018. The declining capacity has been monitored for several years and is one of the original factors driving the decision to create a new twenty-year solid waste plan. [Section 4.A, page 10].
- The waste contract itself is not dependent upon the McLean County Landfill; as it stands currently, local waste may be deposited at the McLean County Landfill or it might sometimes be transported the Livingston Landfill, in Livingston County, also owned and operated by Republic Services. If the current waste contract extends beyond the life of the McLean County Landfill, Republic Services will simply begin to transport all of the Bloomington and Normal waste from the American Disposal Services of Illinois (ADS) of Bloomington Transfer Station to the Livingston Landfill. [Section 4.A, page 11].
- The 2004 Host County Agreement between Republic Services and McLean County provides for a Host Benefit Fee which "…shall be $15,000.00 per month or $2.54 per ton of Nonhazardous Solid Waste disposed of at the Landfill or Expanded Landfill per month, whichever is greater". [Section 4.A, page 11].
- McLean County raised the recycling rate goal from 25% to 40% as part of the 2002 five-year update to the Integrated Solid Waste Management Plan after reaching the initial 25% target. Since 2002, the annual community-wide recycling rates gradually increased overall but did not meet the 40% goal until 2016. [Section 4.B, page 11].
- In April 2016, both Bloomington and Normal begin sending "bulky" curbside waste, meaning furniture, remodeling materials, shingles, and similar larger trash items, to the Henson C&D recycling facility instead of the landfill. With even less than a full year of implementation, this new strategy had a significant impact on the overall recycling rate, pushing it beyond 40% for the first time ever. [Section 4.B, page 12].
- The significant impact of this single strategy greatly emphasizes that while recycling options and services in McLean County and Bloomington-Normal are extensive and often better that what is found in many other Illinois communities, to make meaningful progress toward reaching and exceeding the current and future recycling rates goals, a much more strategic and holistic approach is necessary. [Section 4.B, page 11].
- Over the next twenty years, total waste generation rates are projected to gradually decrease at a rate of approximately 0.34% per year. [Section 5.A, page 19].
- The McLean County MSW composition is not expected to significantly change over the course of the twenty-year period of this solid waste plan. [Section 5.A, page 19].

- Six key strategies are the primary focus based on the identified challenges and system deficiencies. These strategies each have strong potential for significant impact on waste recovery. [Section 5.B, page 20].
- The six key strategies involve multi-family housing recycling, commercial recycling, C&D materials recycling, organics, household hazardous waste, and increased outreach and technical assistance. The existing Henson C&D recycling facility is identified as potentially facilitating additional C&D recycling. [Table 7, page 21].
- Given the anticipated loss of host fees with the impending closure of the McLean County Landfill, exploring alternate revenue sources to help support waste recovery programs would be beneficial to the long term sustainability of new services. [Section 5.B, page 20].
- The establishment of additional waste transfer stations could have multiple economic benefits including increased competition therefore more beneficial waste disposal rates or the possibility of new host agreements providing host fees as a new revenue source. [Section 5.B, page 24].
- The potential for multiple types of future waste processing, disposal, recycling, and/or composting sites are identified. [Section 5.B, page 24, and Table 7].
- An estimated 21% of C&D waste is currently recycled in our community. Construction and demolition waste reuse and recycling has proven to be economically feasible with the County. Because of the cost savings and economic benefit provided to Bloomington-Normal, including lower tipping fees, C&D recycling should be increased by all means possible including an ordinance in Bloomington and Normal. [Section 5.B, page 22].
- In order to help drive continued improvement, the following recycling rate goals were set that increase automatically every five years, independent of the success of reaching the earlier goal.
    - 2002 Recycling Rate Goal: 40% — Goal met in 2016
    - 2022 Recycling Rate Goal: 50%
    - 2027 Recycling Rate Goal: 60%
    - 2032 Recycling Rate Goal: 70%
    - 2037 Recycling Rate Goal: 80% [Section 5.C, page 25]

8.4 SUMMARY

As projected, the McLean County Landfill closed in 2018. MSW that is collected by Bloomington and Normal collection vehicles is currently brought to Republic Service's ADS of Bloomington Transfer Station, where it is consolidated into larger loads and then transported to the Livingston Landfill for disposal. McLean County does not receive host fees for MSW brought to the ADS of Bloomington Transfer Station or the Livingston Landfill. As such, McLean County no longer receives host fees from the MSW collected from Bloomington and Normal.

The 2017 Twenty-Year Plan recognizes the need for additional funding due to the anticipated closure of the McLean County Landfill, and that new waste transfer stations provide the possibility of a new revenue source through host fees. The HRC Transfer Station will provide additional funding to both McLean County and Bloomington through host fees from agreements with each entity (see Sections 1.6.3 and 1.6.4 of the Criterion 1 report).

The 2017 Twenty-Year Plan recognizes the benefits of increasing the amount of C&D waste that is recycled in the community. The HRC Transfer Station will provide efficiencies and synergies at the Henson Recycling Campus that will increase the capacity and/or efficiency of C&D recycling. In addition, the HRC Transfer Station is designed to accept SSR, which can help control costs and improve services (see Section 1.6.2 of the Criterion 1 report).

The 2017 Twenty-Year Plan recognizes that the establishment of additional waste transfer stations could have multiple economic benefits including increased competition resulting in more beneficial waste disposal rates. McLean County now relies on a single transfer station to transport non-recyclable waste and MSW to out-of-county landfills, resulting in an effective monopoly. The HRC Transfer Station would enhance the capability and capacity of McLean County to manage waste. The HRC Transfer Station would also provide competition to the single other transfer station in the county, which has been proven to control costs and improve services (see Sections 1.4.4 and 1.6.1 of the Criterion 1 report).

Henson executed a host agreement with McLean County, which is provided in Attachment 1-C (Host Agreement) that provides certain benefits to McLean County upon the operation of the HRC Transfer Station. The Host Agreement generally reiterates the recommendations in the 2017 Twenty-Year Plan regarding additional transfer stations. Specifically, the Host Agreement indicates that McLean County "generally favors (in concept), as indicated in the current McLean County Solid Waste Management Plan, properly designed and operated transfer facilities, which can be of great benefit and can facilitate and enhance the clean, efficient, lawful, convenient and economical movement of municipal waste and recyclables from home, businesses and industries". The Host Agreement also indicates that the development of an additional transfer facility (if

approved by the county and developed and operated in accordance with all applicable requirements) would be consistent with recommendations in the 2017 Twenty-Year Plan.

8.5 CONCLUSION

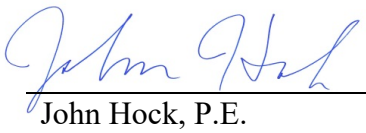
Consistency requires that HRC Transfer Station be in accordance with the SWMP. This report has demonstrated that HRC Transfer Station is consistent with the SWMP and all provisions in effect at the time of the submittal of this Application. The following factors support this conclusion:

- The 2017 Twenty-Year Plan recognizes the need for additional funding, and that new waste transfer stations provide the possibility of a new revenue source though host fees. The HRC Transfer Station will provide additional funding to both McLean County and Bloomington through host fees from agreements with each entity.
- The 2017 Twenty-Year Plan recognizes the benefits of increasing the amount of C&D waste that is recycled in the community. The HRC Transfer Station will provide efficiencies and synergies at the Henson Recycling Campus that will increase the capacity and/or efficiency of C&D recycling.
- The 2017 Twenty-Year Plan recognizes that the establishment of additional waste transfer stations could have multiple economic benefits including increased competition resulting in more beneficial waste disposal rates. The HRC Transfer Station would provide competition to the single other transfer station in the county, which has been proven to control costs and improve services.
- The Host Agreement between Henson and McLean County reiterates that the development of an additional transfer facility (if approved by the county and developed and operated in accordance with all applicable requirements) would be consistent with recommendations in the 2017 Twenty-Year Plan. The HRC Transfer Station would be an additional transfer station, and is proposed to be designed, constructed and operated in accordance with all applicable requirements.

For the reasons cited above, the Henson Recycling Campus Transfer Station meets the requirements of Criterion 8, as it is consistent with the McLean County SWMP now in effect.

8.6 CERTIFICATION

I hereby certify that all information contained in this Application for Local Siting Approval for Criterion 8 was prepared by me or under my direct supervision, and is true and correct to the best of my knowledge and belief.



John Hock, P.E.

August 17, 2023
Date

062-047623 - IL
Professional Engineer Registration Number and State

ATTACHMENT 8-A

2017 TWENTY-YEAR PLAN

December 27, 2017

Michael Brown, Executive Director
Larissa Armstrong, Program Coordinator
Lacey Monterastelli, Program Coordinator
Dr. Tom Bierma, Technical Advisor
Becky Fiedler, Solid Waste Intern
Seth Rients, Solid Waste Technician

ECOLOGY ACTION CENTER

Local approval:
McLean County Board: January 16, 2018
Normal Town Council: February 5, 2018
Bloomington City Council: February 26, 2018

i. Acknowledgments

I would like to thank the dozens of individuals representing numerous institutions, recyclers, waste haulers, nonprofit organizations, government agencies, and businesses that assisted with this plan (see Appendix A., on page 26 for a full list of focus group and stakeholder group members). I knew initiating the project to reboot our waste management efforts was an ambitious undertaking. Now, nearly two years later, I feel we have all benefited from the process of exploring all of the existing problems and barriers, and brainstorming some creative solutions for the future. I am excited to see the support for this truly bold new plan to better address our local waste management needs.

Special thanks go to the City of Bloomington, Town of Normal, and McLean County staff, for their encouragement and patience as we opted to start from scratch to create an entirely new 20-year waste plan rather than merely meet the statutory requirements for a five-year update to the existing McLean County Integrated Solid Waste Management Plan. The significant change in circumstances from 1992, effectively mandates a meaningful change in our waste management approach in McLean County and I am grateful that our partners in this effort recognize the need and take this challenge seriously.

I am grateful to the EAC staff who have contributed to this process and those who have assisted in covering other roles as increasingly more staff time was redirected to develop this plan.

My biggest thanks go to our three-person advisory committee who were a key part of the entire process and helped guide us through different challenges and progressing stages of the project. I need to thank the recently retired Dr. Tom Bierma of Illinois State University's Environmental Health program in particular. Dr. Bierma was invaluable to the process. He loaned his expertise and insight gained over the course of his career and dedicated a significant amount of time conducting research and interviews to benefit the development of this new plan.

Michael Brown
McLean County Solid Waste Coordinator

ii. Table of Contents

i. Acknowledgements 1
ii. Table of contents 3
iii. Executive summary 5
iv. Action plan 6
Section 1. Introduction 8
Section 2. Mission statement 8
Section 3. Resource management plan goals 9
Section 4. Current waste management situation 10
A. Landfill capacity 10
B. Stagnating recycling rates 11
C. Numerous and diverse recycling and waste services 12
D. Recycling and waste education and outreach 15
E. Current Waste composition and disposition 16
F. Identified service gaps and problem areas 17
Section 5. The next twenty years 19
A. Waste Composition Outlook 19
B. Proposed new waste strategies 20
C. Automatic recycling rate goal increases 25
Section 6. Appendices 26
Appendix A: Focus Group Members 26
Appendix B: 2004 ADS McLean County Host Agreement 28
Appendix C: 2017 Capacity Report, McLean County Landfill 69
Appendix D: 2014 Waste Disposal Agreement between Republic Services, the City of Bloomington, and the Town of Normal 79
Appendix E: 2016 Solid Waste Program Report – Ecology Action Center 89
Appendix F: 2016 McLean County Waste Generation and Recycling Rate 97
Appendix G: Plan Review Process 99
Appendix H: Public Hearing Notice 102
Appendix I: Public Hearing Testimony 103
Appendix J: Submitted Public Comments 110
Appendix K: Petition Signatures 158
Appendix L: McLean County Board Approval 391
Appendix M: Town of Normal Approval 399
Appendix N: City of Bloomington Approval 401

iii. Executive Summary

The McLean County Integrated Solid Waste Management Plan was adopted in 1992; it was updated four times over the twenty years that followed, consistent with the requirements of the Illinois Solid Waste Planning and Recycling Act. As the time approached to begin work on the 2017 5-year update, it became apparent that a short-term update would insufficiently meet the contemporary needs of the Bloomington-Normal and McLean County area.

The impending closure of the McLean County Landfill, significant changes in recycling and waste technologies, and a stagnating community-wide recycling rate are all variables contributing to the need for an entirely new 20-year solid waste plan instead of a short-term update.

The Ecology Action Center, as the designated solid waste agency for McLean County, Bloomington, and Normal, coordinated the two-year process to create a new solid waste plan and will be responsible for it's implementation. EAC staff created focus groups representing waste haulers, recyclers, institutions, local governments, businesses, and other entities to explore the known challenges facing solid waste management currently, anticipate future challenges, and brainstorm solutions.

Top Six New Waste Management Priorities:

1. Commercial recycling
2. Construction and Demolition recycling
3. Multifamily recycling
4. Food waste recycling
5. Permanent Household Hazardous Waste Facility
6. Increased outreach and technical assistance

The result is an assertive plan with a strong emphasis on addressing existing gaps in recycling and waste services in McLean County and prioritizing six core strategies that will have the greatest impact on reducing waste and increasing recycling. Implementation should be managed to achieve the maximum net positive economic impact. This may mean the most cost-effective option, or in the best-case scenario, the option that creates revenue and funding opportunities, either to support waste programs or encourage development of local or regional recycling industry.

FIGURE 1: THE SOLID WASTE MANAGEMENT HIERARCHY

A strong adherence to the solid waste hierarchy, prioritizing the highest value use of materials over lowest value use is inherent in this new plan. The hierarchy starts with waste prevention, the most beneficial, followed by waste reduction, reuse, recycling (including composting as a process for recycling of organic materials), energy recovery processes (which includes the spectrum of waste-to-energy processes ranging from anaerobic digesters through incineration), and finally ends with disposal in a landfill, which has no specific environmental or economic growth benefit.

iv. Action Plan

QUARTER 1: 2017-2022

- Increase McLean County Recycling Rate Goal to 50%.
- Implement C & D Recycling Ordinance.
- In addition to existing solid waste staff at EAC, provide funding for a full-time solid waste technician for business waste consultations, negotiations of non-exclusive franchise waste/recycling agreements, to identify barriers and solutions to recycling in older neighborhoods/areas with limited space, and to conduct additional research and outreach.
- Determine if a voluntary program (e.g. geographic based non-exclusive franchise agreement for waste and recycling) for multi-family housing recycling is feasible in lieu of an ordinance. If so, implement a pilot program to verify feasibility. If not, propose an ordinance to achieve the recycling goal.
- Determine if a voluntary program (e.g. geographic based non-exclusive franchise agreement for waste and recycling) for commercial recycling is feasible in lieu of an ordinance. If so, implement a pilot program to verify feasibility. If not, propose an ordinance to achieve the recycling goal.
- Work with community partners to transition to a new food waste processing facility and/or help attract a new service provider to develop a new local facility.
- Institute regular meetings of an informal solid waste coalition of service providers and other relevant parties.
- Initiate feasibility study for permanent Household Hazardous Waste facility for McLean County.
- Work with the McLean County Wellness Coalition and other partners to expand food rescue in the community.

QUARTER 2: 2022-2027

- Increase McLean County Recycling Rate Goal to 60%.
- Assuming successful commercial recycling pilot program, develop voluntary program and expand to 25% of businesses in the community.
- Assuming successful apartment recycling pilot program, develop voluntary program and expand to 50% of multi-family housing in the community.

- Initiate process to establish permanent Household Hazardous Waste Collection Facility in McLean County or if suitable downstate HHW facility is already established nearby, utilize facility at disposal site for frequent and regular one-day McLean County collection events.
- Determine if a voluntary program for commercial food waste recycling is feasible in lieu of an ordinance. If so, implement a pilot program to verify feasibility. If not, propose an ordinance with phased-in implementation; set initial goal at 25% of the commercial food waste volume.

QUARTER 3: 2027-2032

- Increase McLean County Recycling Rate Goal to 70%
- Increase coverage of voluntary commercial recycling program to 50% of businesses OR increase coverage of commercial recycling ordinance to include 75% of businesses.
- Increase voluntary apartment recycling program to 75% in Bloomington-Normal OR increase mandatory multi-family housing recycling to include all units not otherwise covered by existing municipal services.
- Expand coverage of commercial food waste composting program to include 50% of commercial food waste volume.
- Offer public drop-off facility for residential food waste composting.
- Initiate feasibility study into anaerobic digester technology (or other equivalent low-temperature waste to energy technology) as additional option for food waste composting program for more beneficial by-products from food waste.

QUARTER 4: 2032-2037

- Increase McLean County Recycling Rate Goal to 80%
- Increase coverage of voluntary commercial recycling program to 75% of businesses OR increase coverage of commercial recycling ordinance to include 100% of businesses.
- Increase voluntary apartment recycling program to include 100% of multi-family housing in Bloomington-normal.
- Expand coverage of commercial food waste composting program to include 75% of commercial food waste volume.
- Contingent upon positive study results, add anaerobic digester technology to food waste recycling program.

Section 1. Introduction

McLean County's only remaining landfill will close in 2018. A reliable source of revenue that has long funded solid waste planning and outreach efforts will disappear with that closure. Coupled with issues such as stagnating recycling rates, fluctuating commodity prices, and problematic waste management issues such as e-waste and household hazardous waste, municipal solid waste disposal faces numerous challenges in the Bloomington-Normal and McLean County area in the coming years. However, over four decades of successful local waste programs with strong participation rates indicate a positive environment for further improvement in the short and long term.

McLean County currently landfills over 150,000 tons of materials per year. Most of this material is recoverable, and has significant potential environmental and economic benefits. The imminent closure of the County's only remaining landfill offers an opportunity to make dramatic improvements in waste materials management programs, creating new jobs and other economic opportunities while avoiding transporting and disposing of these materials outside the County.

The original McLean County Integrated Solid Waste Management Plan was approved in 1992, with five-year updates approved in 1997, 2002, 2007, and 2012. The next five-year update was due in 2017, but significant changes in the waste management landscape since 1992 led the McLean County Solid Waste Technical Committee to unanimously support the creation of a new 20-year solid waste plan. A new plan, in contrast to another five-year update, allows for a fresh start, taking the improvements in recycling strategies and systems, fluctuations in commodity markets, contemporary perspectives and behaviors by residents on waste issues, and new and emerging technologies for more efficient waste management into consideration.

Upon review, approval, and adoption consistent with the Illinois Solid Waste Planning and Recycling Act, this document replaces the 1992 McLean County Integrated Solid Waste Management Plan as the guiding document for solid waste management in McLean County, the City of Bloomington, and Town of Normal.

Section 2. Mission Statement

The County of McLean, City of Bloomington, Town of Normal, McLean County Regional Planning Commission, and the Ecology Action Center, in order to manage municipal solid waste in a responsible and cost-effective manner seek to develop a 20-year progressive plan for waste reduction, recycling, composting, and disposal.

Section 3. Resource Management Plan Goals

The McLean County Solid Waste Technical Committee developed and approved the following goals for the 2017 McLean County Recovery and Resource Management Plan at its meeting on November 3, 2015.

Goal 1: Significantly reduce the amount of solid waste requiring disposal through increasing source reduction, reusing, recycling, and composting
Goal 2: Manage the remaining solid waste disposal in an efficient, equitable, and environmentally protective manner, consistent with the solid waste hierarchy
Goal 3: Adopt secure, long-term funding mechanisms that provide sufficient revenue for all local waste program needs while providing incentives for increased waste reduction and diversion

Section 4. Current Waste Management Situation

A. Landfill Capacity

ADS/McLean County Landfill #2, located on the west side of Bloomington just outside city limits, is privately owned by American Disposal Services of Illinois, Inc., a subsidiary of Republic Services.[1] It was opened in 1990 and in 2008 was permitted for a lateral expansion. The total permitted landfill area is 55 acres with a design capacity of 3,994,000 cubic yards.

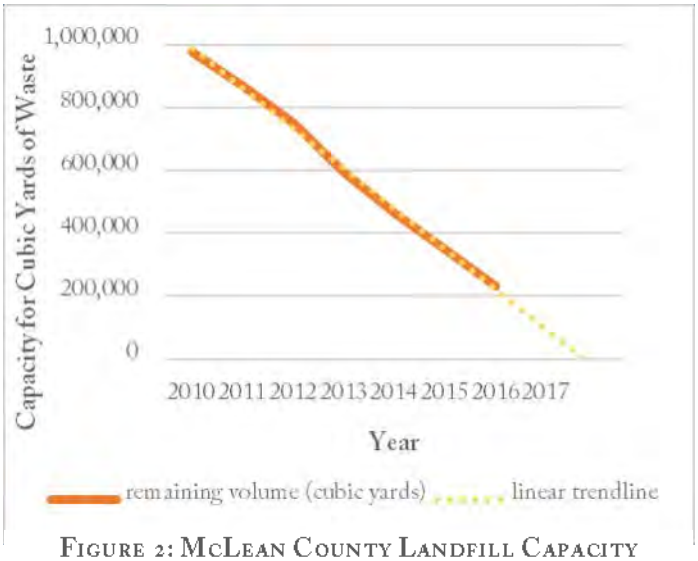


FIGURE 2: MCLEAN COUNTY LANDFILL CAPACITY

According to the January 1, 2017 assessment[2], only 174,992 cubic yards of capacity remain. The McLean County Landfill is expected to begin closure procedures around March of 2018. The declining capacity has been monitored for several years and is one of the original factors driving the decision to create a new twenty-year solid waste plan.

Most McLean County waste that is not diverted is landfilled at the ADS/McLean County Landfill #2. Per data collected for the Ecology Action Center's calculation of the 2016 waste generation rate and recycling rate for McLean County[3], 185,487 tons or 96.4% was landfilled at the McLean County Landfill, while 7,009 tons or 3.6% was disposed of at the Area Disposal Company Clinton Landfill.

The vast majority of waste that is ultimately landfilled in McLean County is generated in the urban area—the twin cities of Bloomington and Normal. Of the 192,496 tons of waste landfilled in 2016, an estimated 44% or 84,685 tons was generated in Bloomington, 31% or 59,299 tons in Normal, with only 25% or 48,512 tons generated in the rest of McLean County.

Bloomington and Normal have a joint contract with Republic Services/Allied Waste for disposal of municipal solid waste collected, by City of Bloomington and Town of Normal waste trucks respectively. While the McLean County Landfill is anticipated to reach capacity in less than a year, the current waste contract between Republic/Allied and the two municipalities automatically renews each year through March 1, 2020 (unless one of the parties opts out with

1. While Republic Services is the name most commonly used, we use the names ADS, American Disposal Services, Republic Services, and Allied Waste interchangeably to refer to Republic Services. Use of the alternate names is usually relative to a reference to primary source documents where an alternate name/subsidiary name might be in use.
2. See Appendix C.
3. See Appendix F.
4. See Appendix D.

90 days notice) with expiration on February 28, 2021.[4] In fact, the waste contract itself is not dependent upon the McLean County Landfill; as it stands currently, local waste may be deposited at the McLean County Landfill or it might sometimes be transported the Pontiac Landfill, in Livingston County, also owned and operated by Republic Services/Allied Waste. If the current waste contract extends beyond the life of the McLean County Landfill, Republic Services will simply begin to transport all of the Bloomington and Normal waste from the transfer station at the McLean County Landfill to Livingston County.

McLean County also has an agreement with the landfill; the 2004 Host County Agreement between American Disposal Services of Illinois (ADS)[5] and the County of McLean, Illinois provides for a Host Benefit Fee which "…shall be $15,000.00 per month or $2.54 per ton of Nonhazardous Solid Waste disposed of at the Landfill or Expanded Landfill per month, whichever is greater. Such payments shall conclude on such date that ADS or its successor/ assignee permanently ceases the acceptance of Nonhazardous Solid Waste at the Landfill or Expanded Landfill, whichever date is later."

This agreement also requires ground water monitoring by ADS semi-annually as long as the landfill remains in operation and until thirty years after the Illinois EPA certifies the closure of the landfill. Groundwater samples indicating possible contamination will require repeat testing; evidence of a contaminated well will require that ADS provides an alternate potable water supply to that property owner which could include a new well. The agreement also requires that ADS maintain an environmental pollution liability insurance policy. The host agreement expires thirty years after the closing of the landfill.

B. Stagnating Recycling Rates

The EAC annually calculates the amount of total waste generated and what percentage of that waste was recycled to measure progress towards a general waste reduction and increased recycling goal. McLean County raised the recycling rate goal from 25% to 40% as part of the 2002 five-year update to the 1992 McLean County integrated Solid Waste Management Plan after reaching the initial 25% target.

Since 2002, the annual community-wide recycling rates gradually increased overall but did not meet the 40% until 2016. Ten years of stagnating recycling rates despite ongoing improvements in local recycling programs was finally changed by the introduction of a more significant initiative. In April 2016, both the City of Bloomington and the Town of Normal begin sending "bulky" curbside waste, meaning furniture, remodeling materials, shingles, and similar larger trash items, to the local construction and demolition recycling facility instead of the landfill. With even less than a full year of implementation, this new strategy had a significant impact on the overall recycling rate, pushing it beyond 40% for the first time ever.

5. See Appendix B.

year	total MSW recycled	total MSW landfilled	total MSW generated	change from previous	total recycling rate
2005	68,182	153,884	222,066	*-5.6%*	30.7%
2006	75,959	159,396	235,355	*6.0%*	32.3%
2007	93,065	164,101	257,166	*9.3%*	36.2%
2008	98,220	163,202	261,422	*1.7%*	37.6%
2009	80,202	148,089	228,291	*-12.7%*	35.1%
2010	80,515	134,325	214,840	*-5.9%*	37.5%
2011	71,099	136,927	208,026	*-3.2%*	34.2%
2012	66,737	116,342	183,079	*-12.0%*	36.5%
2013	73,833	121,991	195,824	*7.0%*	37.7%
2014	85,196	141,068	226,264	*15.5%*	37.7%
2015	92,585	159,083	251,668	*11.2%*	36.8%
2016	73,760	103,459	177,219	-29.6%	41.6%

TABLE 1: MCLEAN COUNTY WASTE GENERATION AND RECYCLING RATES
2005-2016

The significant impact of this single strategy greatly emphasizes that while recycling options and services in McLean County and Bloomington-Normal are extensive and often better that what is found in many other Illinois communities, to make meaningful progress toward reaching and exceeding the current and future recycling rates goals, a much more strategic and holistic approach is necessary.

C. Numerous and Diverse Recycling and Waste Services

Bloomington-Normal and McLean County boast a wide variety of recycling and waste options for residents and businesses with services offered by public sector and private sector entities in addition to multiple successful public-private partnerships.

The charts that follow outline services available.

TABLE 2: CURRENT RECYCLING PROGRAMS AND FACILITIES

Program	Waste Stream	Public or private	Location/comments
Residential curbside single stream recycling collection	Mixed materials - paper, cardboard, cans, bottles, most plastic containers, etc.	Public	Town of Normal *65% participation rate as of April 2017; many Normal residents use drop-off program instead*
Residential curbside single stream recycling collection	Mixed materials - paper, cardboard, cans, bottles, most plastic	Public	City of Bloomington *80% participation rate as of June 2017*
Residential recycling drop-off program	Mixed materials - paper, cardboard, cans, bottles, most plastic	Public	Six locations in the Town of Normal
E-waste recycling	All CEDs, EEDs, including CRTs	Public	Town of Normal Public Works 2016: 419 tons recycled
E-waste recycling	Most CEDs and EEDs, excluding CRTs	Private	Home Sweet Home Ministries Mission Mart
E-waste recycling	Most CEDs and EEDs, excluding CRTs	Private	Habitat For Humanity ReStore
E-waste recycling	Most CEDs and EEDs, excluding CRTs	Private	BestBuy
E-waste recycling	Most CEDs and EEDs, excluding CRTs	Private	Goodwill Industries
E-waste recycling	Most CEDs and EEDs, excluding CRTs	Private	Henson Disposal
Textile recycling	Clothing, sheets, towels, etc.	Private	Home Sweet Home Ministries Mission Mart
Food scrap composting program	Commercial and institutional food waste	Private-public	Midwest Fiber hauls to Better Earth Compost in Bartonville
Pharmaceutical disposal	Prescription and non-prescription drugs	Private-public	OSF Eastland Pharmacy, Advocate-BroMenn Atrium Pharmacy, Chenoa
Pharmaceutical disposal including controlled substances	Prescription and non-prescription drugs including controlled substances	Public	Town of Normal Police Department, City of Bloomington Police Department, McLean County Sheriff's Department, ISU
Mattress recycling	Mattresses and box springs	Private	Kern Mattress Outlet
Plastic bag/film Recycling	Plastic grocery bags, newspaper sleeves, dry cleaning bags, electronic wrap, plastic cereal box liners, Tyvek shipping envelopes, bubble wrap, product wrap from paper towels or toilet paper	Private	Most grocery stores
TerraCycle recycling	Nontraditional items	Private	Various locations
Eyeglass recycling	Used eyeglasses	Private	Lion's Club
Hearing aid recycling	Used hearing aids	Private	Lion's Club
Household Hazardous Waste collection	Thousands of residentially generated household hazardous waste items	Public-private	Ecology Action Center
Construction and demolition recycling	Shingles, wood, drywall and plaster, metals, cardboard & paper, aggregate materials, glass, vinyl siding, bulk and clear plastic	Private	Henson Disposal C & D Recycling Facility
Scrap metal	Iron, aluminum, all other metals	Private	Behr Metals
Appliances	White goods	Public or	Municipalities or private haulers
Brush and/or yard waste	Wood yard waste or vegetation	Public	Municipalities
Mercury thermostats	Mercury containing thermostats	Public	Normal Public Works
Fluorescent bulbs	CFL or tube fluorescent	Private	Box hardware stores, Batteries Plus Bulbs
Non rechargeable batteries	Watch batteries through AAA, C, D, 9V, etc.	Private	Interstate Batteries and Batteries Plus Bulbs[6]

TABLE 3: RURAL MCLEAN COUNTY MUNICIPAL RECYCLING PROGRAMS

Village/Town	Recycling Program Type	Materials Accepted	Special Recycling
City of Chenoa	Curbside	Single stream	Electronics collection bin
City of LeRoy	Curbside	Single stream	
City of Lexington	Curbside	Single stream	
Village of Arrowsmith	Curbside		
Village of Bellflower	Drop-off	Metals, paper	
Village of Carlock	Curbside	Single stream	
Village of Colfax	Curbside	Single stream	
Village of Cooksville	Curbside	Single stream	
Village of Danvers	Drop-off		
Village of Downs	Curbside	Single stream	
Village of Ellsworth	Curbside	Single stream	
Village of Gridley	Curbside	Single stream	
Village of Heyworth	Curbside	Plastics, cardboard, newsprint	Electronics drop-off twice a month
Village of Hudson	Curbside	Single stream	
Village of McLean	Curbside	Single stream	
Village of Towanda	Drop-off with some curbside areas	Single stream	

D. Recycling and Waste Education and Outreach

As the solid waste agency for Bloomington, Normal, and McLean County, the EAC provides a number of services intended to increase participation in local recycling and waste reduction. Table 4 briefly lists some of the core education and outreach efforts under the "McLean County Solid Waste Program". For a more detailed listing, please consult Appendix E, the *2016 Solid Waste Program Report*.

TABLE 4: RECYCLING EDUCATION AND OUTREACH

Program	Target Audience	Location	Comments
Youth classroom waste and recycling education	Fourth grade	McLean County	Nearly universal reach, visits to virtually every fourth grade classroom
Youth waste and recycling education	Young library visitors	McLean County	
Public recycling and waste presentations and information booths at public events/health fairs	Community groups, service organizations scouts, college classes	McLean County	
Social media outreach	Adults of all ages	McLean County	Nearly 75,000 interactions in 2016, well over twice the EAC's goal
Traditional media outreach and newsletters	Adults	McLean County	Paid promotions or feature stories; both help raise awareness of issues
Recycling information center	All sectors	McLean County	Community-wide information center on recycling and waste issues, answering phone, in-person, or email inquiries
Online recycling and waste directory	All sectors	McLean County	Extensive and heavily used online recycling listings for all public programs and many private or nonprofit programs. Over 35,027 visits to these pages in 2016.
Composting workshops	Homeowners	McLean County	Hands-on build-your-own composter workshops with in-depth instruction on composting.
Recycle Coach	Residential	McLean County, with heavy Bloomington-Normal urban focus	User-friendly, browser based and smart phone application, geographic-based comprehensive information, Spanish language enabled

E. Current Waste Composition and Disposition

In 2015, the Illinois Department of Commerce and Economic Opportunity published a report detailing the composition of municipal solid waste for each county in the state. We combined the *Illinois Commodity/Waste Generation and Characterization Study Update* data for McLean County with data collected locally by the Ecology Action Center through annual residential waste audits and the annual calculation of waste generation and recycling rates. Through this analysis, we have a very thorough understanding of the precise composition of waste generated in McLean County and what portion of that waste is landfilled versus recycled.

The following charts illustrate this breakdown and directly point to the waste streams where there remains the most significant room for improvement in waste recovery.

FIGURE 3: 2014 MCLEAN COUNTY WASTE DISPOSITION

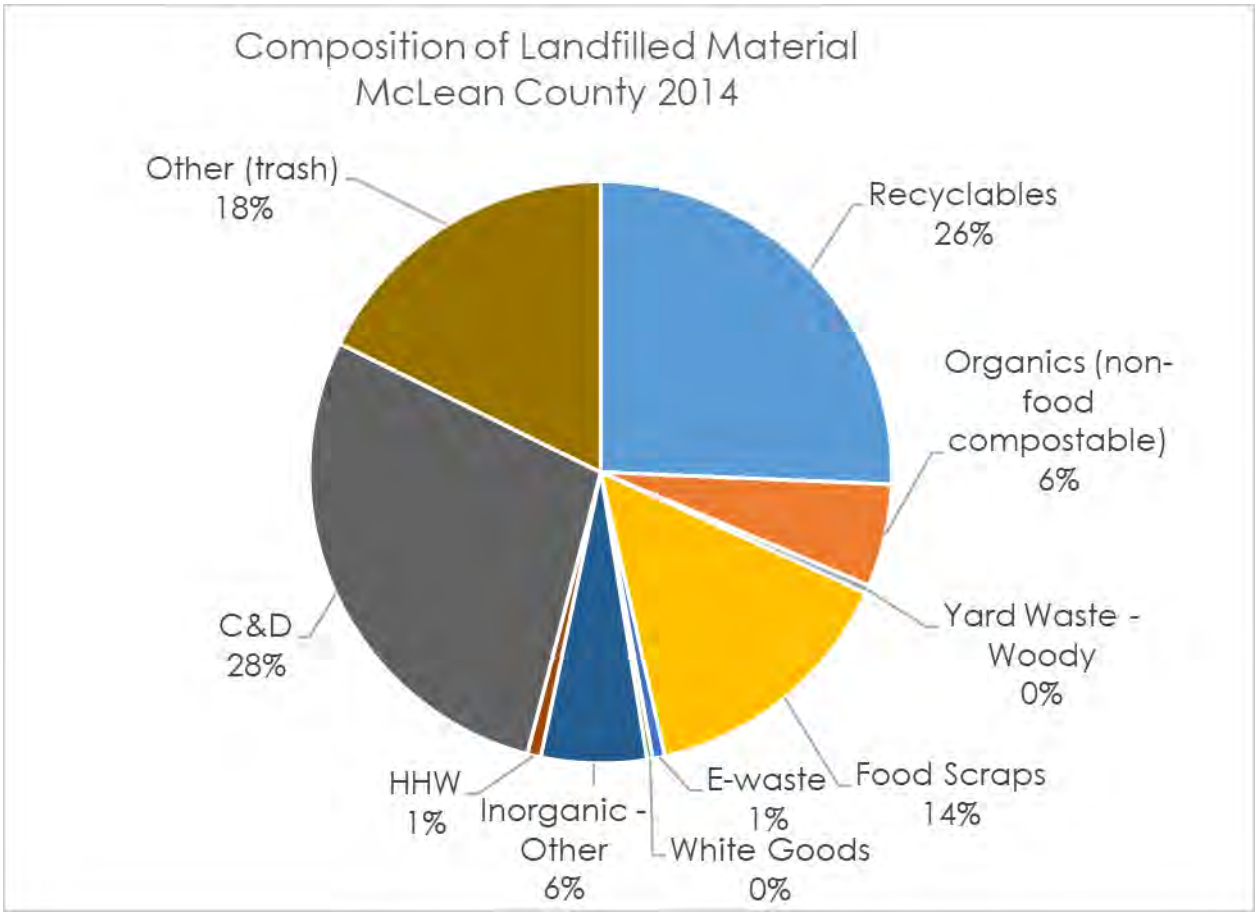


TABLE 5: 2014 MCLEAN COUNTY WASTE DISPOSITION

Material	Generation	Recovery	Recovery (%)	Disposal/Landfilled
Recyclables	82,830	36,323	43.9%	46,507
Organics (non-food	16,550	6,215	37.6%	10,335
Yard Waste - Woody	2,020	1,202	59.5%	818
Food Scraps	29,410	2,875	9.8%	26,535
E-waste	2,600	1,369	52.7%	1,231
White Goods	2,910	2,342	80.5%	568
Inorganic -	18,700	8,094	43.3%	10,606
HHW	4,310	2,946	68.4%	1,364
C&D	53,500	2,345	4.4%[7]	51,155
Other (trash)	35,970	3,888	10.8%	32,082
TOTAL	248,800	67,599	27.2%	181,201

(Source: Illinois DCEO Waste Characterization Study with additions from Ecology Action Center's 2014 Waste Generation and Recycling Rate Study)

F. Identified Service Gaps and Problem Areas

As shown in Table 5, McLean County Waste Disposition, there are multiple waste streams with significant potential for greater recovery. In Table 6, Waste Issues, we briefly explore some of the issues related to these deficient recovery rates and/or identify other known problematic waste issues that are not revealed through the waste disposition chart.

7. C & D materials recovery is now estimated to be as high as 21% as of 2016, following the move by the City of Bloomington and Town of Normal to send curbside "bulky" waste to Henson Disposal C & D Recycling.

TABLE 6: WASTE ISSUES

Problem/Services Gap	Waste stream	Location	Comments
Multifamily housing recycling	Traditional recyclables	Most locations	Curbside recycling services are only offered to single family homes in most areas
Commercial recycling	Traditional recyclables	Most locations	Perceived or real barriers to recycling remain an issue for many businesses or business districts
Organics/food scrap recycling	Organics	Most locations	Small scale/backyard composting has low participation rates, most residents or businesses perceive too many obstacles
Household hazardous waste	HHW	McLean County	Locally funded biennial HHW collection has reduced barriers to participation. However a permanent facility is needed to properly meet local and regional needs.
Freon/coolant containing items	Dehumidifiers, air conditioners, refrigerators	All locations except Bloomington and Normal single-family housing	Coolant containing items are often not cost-effective for the private sector to manage due to the low prices for metals but high costs of removing and disposing of coolant.
Carpet recycling	Carpeting	McLean County	Carpeting is a difficult material to recycle including sorting it from C & D materials without contaminating it in addition to the cost of shipping it to a market.
End of school year student move out	Furniture, clothing, e-waste, household goods	Normal around Illinois State University	Massive volumes of usable materials are discarded by students at the end of the system; small scale efforts to address this issue have had minimal impact.
Construction and demolition recycling	All construction materials – wood, metals, aggregate, drywall, vinyl siding	McLean County	Under-utilized C & D recycling options – less than 5% of C & D waste is currently recovered despite being a cost-effective
E-waste	Consumer electronics	McLean County	Few collection points, especially for costly items such as CRT monitors/tvs, collection points only located in Bloomington-Normal, unreliable system sometimes results in significant local costs for compliance with Illinois ban on electronics from landfills

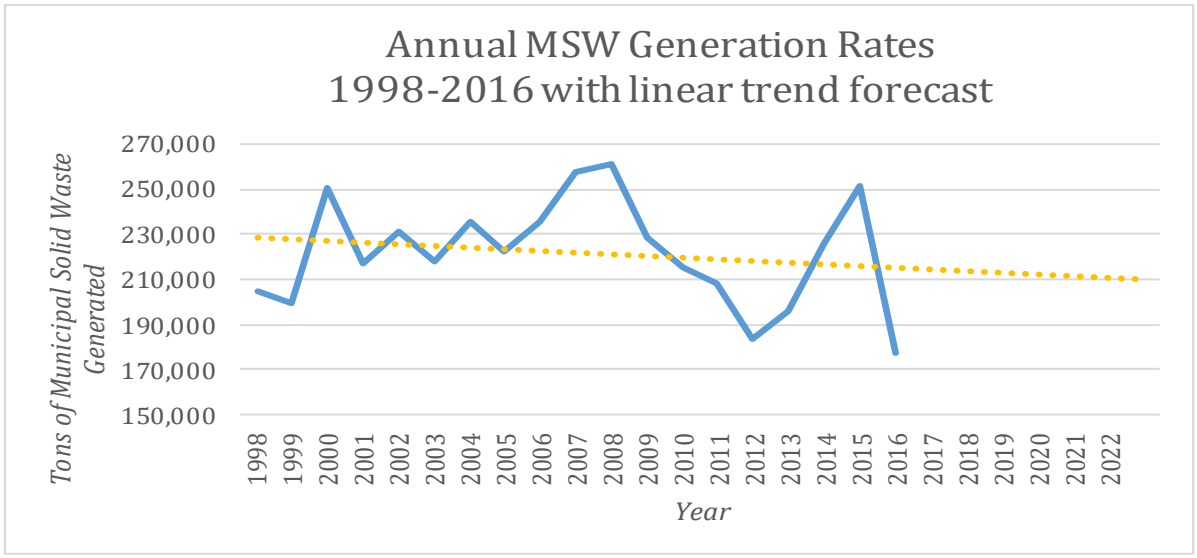
Section 5. The Next Twenty Years

A. Waste Composition Outlook

Over the next twenty years, total waste generation rates are projected to gradually decrease. Figure 4 plots annual municipal solid waste generation rates from 1998 through 2016 with a trend line forecasting the next five years. The existing trend based on local waste generation data indicates an approximate decrease of 6.11% over 18 years, or a rate of decrease of .34% per year.

The McLean County MSW composition is not expected to significantly change over the course of this solid waste plan. One waste stream with potential to change is dependent upon the success of growing commercial food waste composting initiatives. The establishment of a local composting facility that allows for more cost-effective food-waste services to be offered to food service operations and large institutions could help drive these entities away from what are often non-recyclable single-service containers and utensils towards instead fully compostable packaging that would be collected and recycled together with food scraps. The rate of this transition would likely be relative to the rate of adoption of these services by new commercial and institutional customers.

FIGURE 4: MUNCIPAL SOLID WASTE GENERATION PROJECTION



B. Proposed New Waste Strategies

Six key strategies are the primary focus of the proposed 2017 Materials Recovery and Resource management Plan based on the challenges and system deficiencies identified in the tables above. These strategies each have strong potential for significant impact on waste recovery.

There are assumed costs within these proposed strategies, but there are also potential efficiency gains and other cost savings, private or private-public economic development opportunities, revenue potential, and possible alternative revenue sources. In the long term, cost avoidance will be key as fuel and labor costs for exporting waste to externally located landfills will eventually increase due to external economic forces, even if not in the short term. [8]

Given the anticipated loss of host fees with the impending closure of the McLean County Landfill, exploring alternate revenue sources to help support waste recovery programs would be beneficial to the long term sustainability of new services. Traditional funding such as host fees can be counter-productive as they have an inverse correlation to successful programs; the more waste recovery that occurs in a community with a landfill, the less funding is made available for waste recovery programs. Instead, and in the absence of a landfill or other Pollution Control Facility with a host agreement, voluntary waste fees that are directly correlated with recovery programs would increase funding for further waste recovery with increasing success.

The establishment of additional waste transfer stations could have multiple economic benefits including increased competition therefore more beneficial waste disposal rates or the possibility of new host agreements providing host fees as a new revenue source.

8. Republic Services officials have indicated that a shift to Livingston County Landfill will not result in cost increases due to economies of scale possible at that site that are not available at the McLean County Landfill.

TABLE 7: EVALUATION OF PROPOSED WASTE/RECYCLING PROGRAMS

Proposed program/ facility	Waste stream	Evaluation - Advantages/Disadvantages				Implementation time schedule	Proposed Location
		Environmental	*Energy*	*Life Cycle Cost*	*Economic*		
Multi-family recycling initiative	Traditional recyclables	Positive – more resources conserved	Neutral – increased local fuel use to collect more materials but decreased fuel use to export less to out-	Increased recovery benefits should outweigh program costs	Fluctuating commodity values can help or hinder. Long term, this program's costs should be more cost effective than landfilling.	Launch pilot program within five years (by 2022). Expand to 50% community coverage by 2027. Increase coverage by 25% by 2032 and 2037.	N/A
Commercial recycling initiative	Traditional recyclables	Positive – more resources conserved	Neutral – increased local fuel use to collect more materials but decreased fuel use to export less to out-	Increased recovery benefits should outweigh program costs	Fluctuating commodity values can help or hinder. Long term, the costs of this program should be more cost effective than landfilling.	Launch pilot program within five years (by 2022). Expand to 25% community coverage by 2027. Increase coverage by 25% by 2032 and 2037.	N/A
C & D recycling initiative	Construction and demolition materials	Positive – more resources conserved	Neutral – increased local fuel use to collect more materials but decreased fuel use to export less to out-	Increased recovery benefits should outweigh program costs	Fluctuating commodity values can help or hinder. Long term, the costs of this program should be more cost effective than landfilling.	Implement C & D recycling ordinance within one year of adoption of solid waste plan	Existing facilities or source separate on-site
Organics/ food waste recycling initiative	Food scraps and other organic materials	Positive – more resources conserved and less methane emissions from anaerobic organic breakdown in landfill.	Neutral – increased local fuel use to collect food scraps for composting but decreased fuel use to export less to out-of-county landfills.	Increased recovery benefits should outweigh program costs	After initial capital investment, there eventually should be positive economic benefits especially from secondary products of compost and possibly energy generation.	By 2022: work with community partners to reduce food waste. Attract a new food scrap recycling facility to McLean County. By 2027: Evaluate voluntary program vs. ordinance, start with goal to include 25% of waste stream. By 2032: expand coverage to 50% of waste stream and offer public residential drop-off. Expand to 75% of waste stream and investigate anaerobic digester technology for incorporation by 2037.	TBD
HHW Permanent Facility	Household hazardous waste materials	Very positive – reduction of hazardous materials disposed of improperly.	Net negative—Some positive in that some materials are fuel blended, but net impact is likely negative due to large costs to transport and dispose of most HHW.	Increased recovery benefits should outweigh program costs	Significant costs to run a permanent facility, but options to offset these costs include: collaborating with the IEPA to offer a public facility open to any Illinois residents or offer commercial materials disposal at a fee in order to offset the HHW costs. HHW facility can be significant regional draw, making it an economic development tool.	Feasibility study by 2022, launch process by 2027. Open facility by 2032.	TBD
Increased outreach and technical assistance	Administration, coordination, facilitation	Very positive – more time resources needed for success of above	No significant impact	Net positive	Increased recovery benefits and economic development should outweigh increased personnel costs	Increase personnel budget to allow for full time solid waste program technician in addition to existing solid waste staff.	Existing solid waste agency - EAC

Multi-Family Housing Recycling

Single family households served by automated curbside single stream recycling see a high rate of participation in both Bloomington and Normal, but apartment buildings and other multi-family housing represent a significant gap in recycling services. Implementing a new program to address this deficiency may be possible as a voluntary program with assistance from the EAC or as an ordinance mandated jointly by both Bloomington and Normal.

Feedback from stakeholder groups indicated that an ordinance approach would have the benefit of "leveling the playing field" for all rental companies so any additional costs would not be disproportionately applied. Additionally, whether through a voluntary program or an ordinance, additional cost savings may be realized through a non-exclusive franchise agreement system, where the EAC identifies geographically dense routes and negotiates the best price for combined waste and recycling services for multi-family housing units in the bid area.

Commercial Recycling

According to the 2015 Illinois Waste Characterization Study by Illinois DCEO, institutional, commercial, and industrial waste make up almost 43% of waste landfilled in Illinois; 48.6% of that may be recoverable.

Implementing a new program to address this deficiency may be possible as a voluntary program with assistance from the EAC or as an ordinance mandated jointly by both Bloomington and Normal. Understanding that the main barrier to commercial recycling is usually the bottom line impact on profitability, cost savings may be realized through a non-exclusive franchise agreement system, where the EAC identifies geographically dense routes and negotiates the best price for businesses in the bid area. This may be combined with an ordinance or as part of a voluntary system. Feedback from stakeholder groups indicated that an ordinance approach would have the benefit of "leveling the playing field" for all businesses so any additional costs would not be disproportionately applied.

Construction & Demolition Materials Recycling

An estimated 21% of C & D waste is currently recycled in our community, with 51,155 tons landfilled annually. Construction and demolition waste reuse and recycling has proven to be economically feasible within the County; current tipping fees at the local C & D recycling facility can be equal or more economical than equivalent fees at the landfill. This is consistent with other areas in Illinois with C & D recycling including Lake County, where landfill rates and C & D recycling rates are relatively similar.[9]

Because of the cost savings and economic benefit provided to Bloomington-Normal, including lower tipping fees, C & D recycling should be increased by all means possible including an ordinance in Bloomington and Normal. This should be followed by an analysis of the benefit to the unincorporated areas of the County and other smaller municipalities. A C & D recycling ordinance on either the municipal or county level should allow flexibility in choice of recycling facilities; materials can be source-separated on-site by demolition crews to be recycled with

9. Willis, Walter, Interview with Tom Bierma. Personal Interview. June 29, 2017.

various service providers or a C & D recycling facility may be used.

Other communities in Illinois have had success with a C & D recycling ordinance, including Lake County and the City of Zion. In a phone interview, Walter Willis, Executive Director of the Solid Waste Agency of Lake County, explained that there has been good compliance and very little resistance to the ordinance, which he attributed to including demolition waste haulers in the ordinance drafting process. The county ordinance was phased-in over time, beginning with larger demolition projects and eventually including smaller projects; Willis indicated that most municipalities in the area have followed the same process. The community of Grayslake, Illinois includes a "safety valve" in their C & D ordinance, allowing projects to seek exemptions from the mandate if the recycling cost is more than 10% more expensive than landfilling. [10]

Organics

Food scraps comprise the bulk of landfilled organics, with only 10% of this volume currently recovered. A comprehensive sustainable food program must be implemented to reduce food waste, divert wholesome food to feed the hungry, and collect and utilize remaining food scraps. Food scrap collection should begin with the largest sources of food scraps, commercial and institutional food establishments.

Following the initiation of a systemic approach to reduce food waste, food recycling or composting should be improved through a voluntary system or the implementation of an ordinance to require food composting by large commercial or public institutions, restaurants, and grocery stores. Residential food waste can be addressed through a public drop off program; curbside food waste collection is unlikely to be cost effective in the near future.

Currently, a commercial food-waste composting service is provided by Midwest Fiber, providing transportation to Better Earth Compost in Bartonville, Illinois. The program is fairly small -scale currently, but a recent switch to Better Earth Compost as the food scrap recycler will allow for growth of the program. However, in the long-term, a more local, McLean County based compost facility would likely be the most cost effective option. Efforts should be made to facilitate the development of a new local facility.

Food waste composting creates possible revenue sources through secondary products like high quality compost or renewable energy. Methane generated and captured by anaerobic digesters can be used directly as an energy source or to generate electricity. This option should be investigated in the fourth quarter of the 20-year plan.

10. Willis, Walter. Interview with Tom Bierma. Personal Interview. June 29, 2017.

HHW and Other Difficult or Nontraditional Materials

Household hazardous waste (HHW) represents not only a significant environmental threat, but also a threat to the economic recovery of materials such as recyclables and organics. A permanent HHW collection facility should be established and funded in partnership with the Illinois EPA, which has the responsibility of helping local communities meet the need for HHW disposal. Opportunities should also be explored to improve or create programs for the recovery of electronic wastes, Freon or other coolant-containing white goods.

Illinois EPA has partnerships with four public HHW facilities, three of which are in the Chicago area and the fourth in Rockford. While the local partner funds and operates the facility, the Illinois EPA provides for disposal of all materials collected and absorbs the long-term generator liability for those materials. These public HHW facilities that collaborate with Illinois EPA are open to all Illinois residents to utilize free of charge and they accept most residentially-generated HHW materials, with a few exceptions. The EAC initiated discussions with the Illinois EPA about a downstate facility in McLean County and is currently on a list of interested communities; however, state funding for expansion of this program is currently on hold.

Increased Outreach and Technical Assistance

Ongoing coordination above and beyond the EAC's current solid waste program staffing levels is necessary to achieve the economic and environmental benefits of a comprehensive waste materials management program. An additional full-time solid waste program technician will ensure the goals set out in this twenty-year Materials Recovery and Resource Management Plan are accomplished.

The plan's implementation will benefit from increased communication and cooperation. The EAC will help create an informal waste advisory group composed of representatives from local waste and recycling service providers, institutions, and other relevant entities. This advisory group will meet as needed to provide feedback and input on waste issues in the community. This group will assist in finding cost efficiencies or revenue increases to help offset program funding needs, including technical assistance, education and outreach, and HHW collection.

Future Waste Facilities

This plan identifies the potential for multiple types of future waste processing, disposal, recycling, and/or composting sites. The specific locations of these potential sites are unknown. Throughout the implementation process priority will be given to sites outside immediate urban areas but near enough to be cost-effective, efficient and potential revenue generating sources. Size, expected costs and financing of these facilities are relative to the ultimately successful strategies listed for the identified priorities. Accordingly, these parameters will need to be worked out further along in the process and cannot be identified at this time.

C. Automatic Recycling Rate Goal Increases

This twenty-year Materials Recovery and Resource Management Plan outlines aggressive strategies to address existing gaps in waste recovery services in Bloomington, Normal, and McLean County. Accordingly, successful implementation of these strategies should quickly result in a significant jump in the community wide recycling rate, beyond the 15-year old recycling goal of 40%. In order to help drive continued improvement over the course of the twenty-year plan, we have set recycling rate goals that increase automatically every five years, independently of the success of reaching the earlier goal.

- 2002 Recycling Rate Goal: 40% -- Goal met in 2016
- 2022 Recycling Rate Goal: 50%
- 2027 Recycling Rate Goal: 60%
- 2032 Recycling Rate Goal: 70%
- 2037 Recycling Rate Goal: 80%

Section 6. Appendices

Appendix A: Focus Group Members

Advisory Committee
Missy Nergard, ISU Sustainability
Rob Fazzini, Henson Disposal
Tom Bierma, ISU Environmental Health

Education and Outreach Focus Group
Larissa Armstrong, Heartland Community College Green Institute
Laurine Brown, IWU Environmental Studies
Paul Center, State Farm
Kris Hall, Ecology Action Center
Rick Heiser, West Bloomington Revitalization Partnership
Missy Nergard, ISU Sustainability
Chris Trimble, Home Sweet Home Ministries

Policy Focus Group
Chris Coulter, Peoria Disposal Company
Hannah Eisner, McLean County Administration
Rob Fazzini, Henson Disposal
Jim Karch, City of Bloomington
Todd Lowery, Chamber of Commerce
Mike Matejka, Great Plains Laborers District Council
Cassie Metz, ISU Student Environmental Action Coalition
Adrienne Ohler, Illinois State University
Vasudha Pinnamaraju, McLean County Regional Planning
Carl Teichman, IWU
Dan Winters, Republic Services/Allied Waste

Technology Focus Group
Wayne Aldrich, Town of Normal
Tom Bierma, ISU Environmental Health
Phil Dick, McLean County Planning and Zoning
John Hendershott, McLean County Health Department
Mike O'Grady, Economic Development Council
Randy Stein, BNWRD
Marie Streenz, Midwest Fiber

Multifamily Housing Stakeholder Group
Paul Summerlin, The Edge
Harriet Steinbach, Illinois State University
Ryan Prevo, Young America
Billy Stripelik, Student Environmental Action Coalition & College Democrats
Courtney Lahr, Walk 2 Class

Small Business Stakeholder Group
David Cate, Eastland Mall
Joe Tully, Uptown Partners
Tricia Stiller, Downtown Business Association
John Walsh, Chamber of Commerce
Joe Neal, Monroe Center

Institutional Food Service Stakeholder Group
Diane Feasley, Illinois State University
Carl Teichman, Illinois Wesleyan University
Julie McCoy, District 87 Schools
Missy Nergard, Illinois State University

Restaurant and Grocery Stakeholder Group
Ryan Melton, Hy-Vee
Chris Campiseno, Jewel on Cottage
Rich Zeller, Avanti's

Appendix B: 2004 ADS McLean County Host Agreement

HOST COUNTY AGREEMENT

This HOST COUNTY AGREEMENT ("Agreement") dated this 21st day of September, 2004, by and between American Disposal Services of Illinois, Inc. ("ADS"), a Delaware Corporation; and the County of McLean, Illinois ("County");

WITNESSETH:

WHEREAS, ADS owns a parcel of land totaling approximately 73 acres as described and shown on Attachment A. The parcel described and shown on Attachment A is hereinafter referred to as "the Property"; and

WHEREAS, ADS currently operates a landfill as shown on Attachment B ("Landfill"); and

WHEREAS, ADS intends to file an application ("Siting Application") with the County for siting a new Pollution Control Facility Landfill. The new Pollution Control Facility Landfill footprint and surrounding property owned by ADS shall hereinafter be referred to as the "Expanded Landfill"; and

WHEREAS, it has been proposed that ADS pay to the County, and ADS is willing to pay the County, a Host Benefit Fee to be used for the purpose of assisting the County in addressing the impact, if any, that the operation of the Landfill or the Expanded Landfill may have upon the County and for other general revenue needs of the County as the County may deem appropriate; and

WHEREAS, the County desires to secure, and ADS is willing to provide landfill disposal capacity within the County for the waste generated by residents, commercial establishments, institutions and industries located within the County that it is permitted by law to accept for disposal; and

WHEREAS, ADS is desirous of earning the good will of the citizens of the County by demonstrating its good faith in educating the community as to the nature of its operations in the County and demonstrating that its landfilling operations are, have been and will continue to be conducted in an environmentally sound manner; and

WHEREAS, the County is desirous of protecting the health, safety and welfare of its citizens, and in assisting with public education in accordance with Illinois law; and

WHEREAS, the County has not consented to, concurred in or objected to the proposed plans of ADS for the Expanded Landfill, and nothing in this Agreement shall be deemed an indication that the County has adopted any position on the proposed Siting Application, nor on ADS' operation of the existing Landfill, including where technical or detailed operating requirements are set forth below; and

NOW, THEREFORE, in consideration of the covenants set forth in this Agreement, the parties hereto, intending to be legally bound, hereby agree as follows:

1. **Incorporation of Recitals.**

The above recitals are incorporated as part of this Agreement as though fully set forth herein.

2. **Lands Covered.**

This Agreement covers the Property as described and shown in Attachment A and the Expanded Landfill.

3. **Effective Date.**

This Agreement shall be effective as of _____, 2004.

4. **Expiration Date.**

This Agreement shall expire on the later to occur of 30 years after the closing of the Landfill or 30 years after the closing of the Expanded Landfill.

5. **Ban on Hazardous Waste.**

ADS shall not knowingly accept, treat, or dispose of any waste which is defined as hazardous by the Illinois Environmental Protection Act, 415 ILCS 5/1 et seq. (the "Act") or the regulations adopted thereunder ("Hazardous Waste") at the Property. ADS shall comply with all applicable regulations of the Illinois Pollution Control Board ("IPCB") relative to load checking and shall immediately inform the County orally and in writing of any Hazardous Waste that has been accepted, received, stored, treated, disposed, or transported to or from the ADS Property.

6. **Guaranteed Landfill Capacity.**

Subject to the conditions set forth below, and if siting approval is received, for 7 years from the date that ADS obtains final, unappealable permits from the Illinois Environmental Protection Agency ("IEPA") to develop the Expanded Landfill, ADS shall provide the County with disposal capacity at the Landfill and Expanded Landfill for all of the solid waste and special wastes, which ADS is permitted by law to accept for disposal, which are not defined as Hazardous Waste ("Nonhazardous Solid Waste") and which are generated within the County's boundaries. ADS' obligation to provide the County with disposal capacity shall extend only to Nonhazardous Solid Waste which is initially generated and abandoned or discarded within the County, and specifically excludes out-of-county waste that may be delivered to a waste transfer station located within the County.

Prior to the first of each calendar year during the operating life of the Landfill and the Expanded Landfill, the County shall provide ADS with an estimate of the amount ("Annual Estimate") of Nonhazardous Solid Waste it expects to be generated within the County for that year, using methodologies which are consistent with the methodologies used to prepare the Needs Assessment portion of the County's Solid Waste Management Plan. Each year during this term, ADS shall reserve sufficient capacity to dispose of the quantity of Nonhazardous Solid

Waste estimated by the County. The County reserves the right to increase its Annual Estimate by up to 20% at any time in the event unforeseen circumstances, including but not limited to natural disasters such as storms and tornadoes, render its original estimate inadequate. The reservation of disposal capacity for the County's waste shall not be cumulative, and should the estimated disposal capacity not be utilized by the County during any calendar year, that capacity may be utilized for other than County waste. ADS agrees to comply with the procedures specified in Attachment C hereto, or with other procedures approved in advance by ADS and the Regional Pollution Control Site Hearing Committee of the McLean County Board, in submitting to the County an annual determination of ADS' remaining landfill capacity and in implementation of Section 6 of this Agreement.

7. Assignment of Rights.

This Agreement shall be binding upon ADS and its controlling interest transferees, successors and assigns. The Regional Pollution Control Site Hearing Committee may require an additional written commitment by the transferee to assume and comply with the duties and obligations of this Agreement. Further, any such conditions imposed upon the transferee pursuant to this Agreement may be modified by agreement between the transferee and the Regional Pollution Control Site Hearing Committee of the McLean County Board.

8. Covenant.

This Agreement shall constitute a covenant in the nature of a covenant running with the land. ADS agrees to execute all additional documents necessary for the recording of this Agreement in the chain of title all of the Property and Expanded Landfill.

9. Records.

ADS shall provide the County, free of charge, copies of all of the following documents in any manner connected with the Property and the Expanded Landfill:

a. those submitted by ADS or its agents or consultants to any state or federal environmental regulatory agency; and

b. correspondence with any state or federal environmental regulatory agency; and

c. those filed with or received from any state or federal regulatory agency relevant to charges, complaints or citations or environmental violations made by any governmental authority; and

d. those deemed reasonably adequate and sufficient by the Regional Pollution Control Site Hearing Committee of the McLean County Board pertaining to the amount of Nonhazardous Solid Waste received and the County which generated that waste.

10. Well Monitoring.

ADS shall contact the owners of record as of the Effective Date of this Agreement of all water supply wells within 1,500 feet of the perimeter of the Property, by certified mail, return receipt requested, seeking permission from the owners to sample their wells, within 90 days of the Effective Date of this Agreement, for background, for two consecutive quarters in a six-month period, and for routine monitoring. After IEPA has issued an operational permit to construct the Expanded Landfill, by certified mail, return receipt requested, within 90 days of the issuance of the IEPA operational permit, ADS shall contact the owners of record of all water supply wells within 1,500 feet of the perimeter of the Expanded Landfill seeking permission from the owners to sample their wells. Within 90 days of the issuance of the IEPA operational permit, for background, for two consecutive quarters in a six month period, and for routine monitoring, ADS shall use its best efforts to obtain permission to monitor the wells. The County may assist ADS in obtaining permission to access the wells from the property owners. The well monitoring program shall proceed as follows:

a. ADS shall conduct, at its own expense, an initial assessment of each water well to determine construction and location information in conjunction with ADS.

b. ADS shall, at its own expense, contract with a laboratory which has been awarded the IEPA certificate of approval to perform the specified chemical analysis. A certified copy of the IEPA license certificate shall be sent by ADS to the County in accordance with the notice provisions of Section 22 of this Agreement.

c. In order to establish initial water quality, the concentrations or parameters in water samples from each water well shall be determined and reported for four consecutive quarters during the first year. The laboratory analysis shall be reviewed and interpreted by a licensed environmental engineering firm ("Third Party Consulting Firm") selected by the County. A report by the Third Party Consulting Firm shall be sent to the County in accordance with Section 22 of this Agreement. The analysis shall be for, but not limited to, those constituents contained for Class I groundwater in 35 Ill. Adm. Code 620.410 and the routine constituents listed in paragraph 10(d). Organic constituents, such as Volatile Organic Constituents (VOC's), pesticides, and herbicides within the Class I groundwater list may be sampled once during the first year.

d. After the initial water quality has been established, each water well shall be sampled semi-annually by ADS as long as the Landfill and/or the Expanded Landfill remain in operation. The samples shall be analyzed for, but not limited to, the following list of routine constituents:

Chloride Cl, Total MG/L
Sulfate SO, Total MG/L
Total Organic Halogen (TOX) UG/L (Unfiltered)
Nitrate-Nitrite N, DISS MG/L
Boron B, Total UG/L
Ammonia (NH3 and NH4) as N, Total MG/L
pH STD Units (Field Measured)
T Alkalinity, as Ca Co, MG/L Lab
Total Organic Carbon (TOC), as C, MG/L
Residue on Evaporation (ROE), MG/L

The list of routine constituents may be expanded if such a need is demonstrated by the Third Party Consulting Firm selected by the County. All expenses associated with the Third Party Consulting Firm's services shall be paid by ADS.

e. This sampling shall continue annually until thirty (30) years after the IEPA certifies the closure of the Landfill or the Expanded Landfill, whichever occurs later ("the term of this Agreement"), at ADS' expense.

f. Reports relating to such monitoring shall be timely provided by ADS, at its own expense, to the County in accordance with the notice provisions of Section 22 of this Agreement and to owners of affected wells.

Should any of the semi-annual or annual test results demonstrate, as determined by the Third Party Consulting Firm selected by the County and paid by ADS, that the groundwater from a well has been contaminated, ADS shall cause to be monitored the well(s) on a quarterly basis for the routine list of constituents in paragraph 10(d) and annually for the background list of constituents in paragraph 10(c) during the term of this Agreement. If ADS can prove that the well was not contaminated by the Property or the Expanded Landfill, the well monitoring frequency shall return to a semi-annual or annual basis for the routine list of constituents in paragraph 10(d).

11. Contamination.

If, at any time after the date that ADS first accepts waste at the Expanded Landfill and during the term of this Agreement any water supply well located within 1,500 feet of the perimeter of the Property or the Expanded Landfill is contaminated by the Landfill or Expanded Landfill or by the other operations on the Property or the Expanded Landfill, ADS agrees to provide an alternate potable water supply to that owner, which may include a new well to replace the contaminated well, within twenty-four (24) hours of notification to ADS from the owner of the contaminated well that the well, based upon the laboratory analysis and the engineering interpretation of samples submitted to an IEPA certified laboratory, has been so contaminated as determined by the County through its third party consulting firm. For purposes of this Agreement, the terms "contaminated" and "potable" shall have the meanings ascribed to them as set forth in Sections 3.63 and 3.65 of the Act and as set forth in the Class I groundwater standards in 35 Ill. Adm. Code 620.410. Should the aforesaid laboratory analysis show that water from any of the covered water supply wells exceeds the Class I groundwater standards and the background concentrations, that water supply well shall not be considered to be contaminated until 30 days subsequent to the date ADS is notified of the laboratory analysis. Immediately

thereafter, the obligations of this paragraph shall become applicable and ADS shall be obligated to provide an alternate potable water supply as required hereunder. During that 30 days ADS shall provide the owner of that well with bottled or trucked-in potable water. Within 30 days, the County's Third Party Consulting Firm shall resample the well and analyze the sample for the constituent(s) which exceed(s) the Class I groundwater standard(s) and the background concentration(s) as established in paragraph 10(c) of this agreement. If the constituent(s) exceed(s) the Class I groundwater standard(s) and the background concentration(s), the well shall be considered contaminated and the well shall continue to be monitored for the routine list of constituents in paragraph 10(d) on a semi-annual basis.

ADS shall not be responsible to provide an alternative potable water supply, nor shall it be responsible for monitoring any more frequently than semi-annually, for any wells that ADS can prove were not contaminated by the Property or the Expanded Landfill or by other operations on the Property or the Expanded Landfill. All expenses associated with the work performed by the County's third party consulting firm in accordance with this paragraph 11 shall be paid by ADS.

12. Property Value Guarantee Plan.

ADS agrees to comply with the program described as the "ADS Property Value Guarantee Plan" set forth in Attachment D hereunto and hereby incorporated by reference herein.

13. Environmental Contingency Provision.

In addition to the financial assurance requirements of the State of Illinois, ADS shall obtain the unconditional guarantee of its obligations hereunder from its corporate parent, on the form set forth in Attachment E and hereby incorporated by reference herein.

ADS shall also maintain an environmental pollution liability policy of insurance in an amount not less than One Million Dollars ($1,000,000) for each loss and Two Million Dollars

($2,000,000) for all losses for its Landfill or Expanded Landfill located in McLean County Illinois, naming McLean County, Illinois as an additional insured under the policy of insurance and shall provide the Regional Pollution Control Site Hearing Committee of the McLean County Board with a copy of the certificate of insurance in force and effect and annual proof in the form of an insurance certificate showing that coverage remains in force and effect in the amounts required naming McLean County, Illinois, as an additional insured.

14. Cooperation with Economic Development Council (EDC) of Bloomington Normal, McLean County.

ADS agrees to work with the EDC in using the Landfill and the Expanded Landfill as a means to help attract new commercial and industrial facilities to the County. This could include, at the County's request, ADS providing design and operating information on the Landfill and the Expanded Landfill and ADS offering a disposal agreement (terms to be negotiated on a case-by case basis) to these prospective businesses which secures the same guarantee of disposal capacity as is offered to the County.

15. Host Benefit Fee.

Commencing on the Effective Date of this Agreement, ADS shall pay to the County a Host Benefit Fee for Non-hazardous Solid Waste disposed at the Landfill or Expanded Landfill. It is also agreed that Pollution Control Waste is exempt from the Host Benefit Fee. The Host Benefit Fee may be used by the County for such benefits, services and facilities as are customarily and legally permitted to be funded from the County's general fund. The Host Benefit Fee shall be calculated as follows:

a. Beginning on the Effective Date of this Agreement, the Host Benefit Fee shall be $5,000.00 per month or $1.27 per ton of Nonhazardous Solid Waste disposed of at the Landfill or Expanded Landfill per month, whichever is greater.

b. Beginning on the date ADS is granted the final, unappealable permits by the IEPA to develop the Expanded Landfill, the Host Benefit Fee shall be $15,000.00 per month or $2.54 per ton of Nonhazardous Solid Waste disposed of at the Landfill or Expanded Landfill per month, whichever is greater. Such payments shall conclude on such date that ADS or its successor/assignee permanently ceases the acceptance of Nonhazardous Solid Waste at the Landfill or Expanded Landfill, whichever date is later.

The Host Benefit Fees hereinbefore described shall be payable to the County on a monthly basis commencing on the 15th day of the month after this Agreement is executed, and thereafter on or before the 15th day of each month thereafter. Any Host Benefit Fee payment not received by the County by the above deadline shall be subject to a late charge of one (1%) percent of the total Host Benefit Fee per month. Such late charges shall accrue per month or fraction of the month in which the payment is late.

Each Host Benefit Fee payment shall be accompanied by a form prescribed by the County and stating the weight of the Nonhazardous Solid Waste received by the ADS Property during the payment period providing such other information as may be necessary for the County to assure compliance with this Agreement. This form shall be signed by ADS. The County shall be entitled to audit business records of ADS not less than on an annual basis to verify the amount of the Host Benefit Fee payments. ADS shall make available to the County scale tickets, sales invoices, daily billing summaries, account records and such other business records the auditor may request to conduct the audit. Provided, however, that ADS may provide these records to the County as confidential business records and the County agrees that such records shall be kept confidential, consistent with Section 18 of this Agreement, and such confidential business records shall not be provided for review or disclosed pursuant to a request under the Freedom of Information Act, unless otherwise ordered by a Court of Law.

16. Compliance with Applicable Laws, Rules and Regulations.

ADS warrants that it will at all times conduct its operations at the Landfill and the Expanded Landfill site in material compliance with all applicable laws, rules and regulations of the State of Illinois and the United States of America relevant thereto. The acceptance of payment of the Host Benefit Fee under this Agreement shall not be construed as a waiver by the County of material compliance by ADS with all applicable laws, rules and regulations; nor shall acceptance of said payment by the County otherwise restrain or prohibit the County from taking such legal action as may be necessary to protect the health, safety and general welfare of the residents of the County in the event of any material violation of any said laws, rules or regulations by ADS.

17. County Duties or Responsibilities.

The terms of this Agreement shall not be construed in any manner to impose upon the County any duties or responsibilities to provide any services or facilities to ADS beyond those which the County customarily provides to residents and businesses of a similar nature within McLean County.

18. County Solid Waste Management Plan.

The County shall include reference to this Agreement in its Solid Waste Management Plan and any modification thereto, provided its inclusion and the process by which it is included is consistent with the requirements of the Local Solid Waste Disposal Act and the Solid Waste Planning and Recycling Act.

19. Indemnification.

This Agreement does not create any legal relationship between ADS and the County (such as a joint venture or partnership) with regard to operation of the Landfill or the Expanded Landfill. Nor does the County undertake, by virtue of this Agreement, any responsibility or

liability for compliance with any laws, rules or regulations relating to the operation of said Landfill or Expanded Landfill or the depositing, storage or control of any wastes within the area of the Landfill or the Expanded Landfill. In the event that the County should be joined as a defendant in any legal action relating to the operation of the Landfill or the Expanded Landfill by ADS or alleging any environmental liability regarding the Landfill or the Expanded Landfill relating to such operation on the basis of this Agreement, ADS agrees to indemnify and save harmless the County from such liabilities or damages as may be claimed in said legal action, together with reasonable attorney's fees, expert fees and costs incurred by the County to defend itself against such legal action, except for actions involving the negligence of the County, its agents, employees or representatives or for actions not related to this Agreement.

20. ADS' Waste Acceptance Policy.

Notwithstanding the provisions of this Agreement, ADS has no obligation to dispose of any waste that does not satisfy ADS' waste acceptance policy. However, ADS specifically agrees to accept for disposal, at no charge, dead animal carcasses which originated on County highways and are delivered to the Landfill or Expanded Landfill by the County Highway Department.

21. Amendment to Agreement.

This Agreement may not be amended except by an Agreement signed in writing by all parties hereto.

22. Delivery of Notices.

All notices under this Agreement, including notices required to be made to the Regional Pollution Control Site Hearing Committee or County Administrator shall be personally delivered or sent by certified mail to the Chairman of the McLean County Board, P.O. Box 2400,

Bloomington, Illinois, 61702-2400 and to ADS at 2112 West Washington Street, Bloomington, IL 61704 and all notices shall be effective upon receipt.

23. Landfill Design and Operation.

ADS shall have sole design control over the Landfill and the Expanded Landfill during the life of the facilities, subject only to the right of the County to require that it be designed in compliance with all applicable federal, state, and local laws and regulations.

ADS shall operate the Landfill and Expanded Landfill in a manner to minimize the impacts on the surrounding land uses. More specifically, the following operating standards shall apply to the operation of the Landfill and the Expanded Landfill.

a. Excessive Wind.

ADS shall stop accepting waste subject to wind entrainment and will cover the active face during excessive winds. A wind speed indicator shall be located at the active face of the Landfill and the Expanded Landfill within 30 days of the Effective Date of this Agreement. Excessive winds are defined as one or all of the following:

i. during tornado warnings as reported by the National Weather Service for McLean County, Illinois.
ii. when sustained winds reach 35 mph.
iii. when site operations are not able to control paper blowing off-site, in the opinion of the Director of the McLean County Building and Zoning Department.

b. Litter Control.

ADS shall erect and maintain a 6-foot high chain link perimeter fence. ADS shall utilize a sufficient number of temporary litter fences placed end to end to line the entire leeward side of the active face. ADS shall inspect the Property and the Expanded Landfill on a daily basis to insure litter is being adequately controlled and ADS shall

have sufficient manpower available to pick up windblown paper if excessive litter accumulates due to excessive winds.

c. Dust Control.

ADS shall use its best efforts to prevent dust from leaving the Landfill and Expanded Landfill. ADS agrees to promptly correct said dust problems when identified by the McLean County Building and Zoning Director and communicated to ADS by same. Sprinkling agent

d. Mud Tracking.

ADS shall provide and maintain a sufficient length of road on the Property and the Expanded Landfill to allow out-going trucks to reach a speed sufficient to aid in tire cleaning. ADS shall provide periodic cleaning of the paved main access to roads to the fill area to prevent accumulation of mud and fines.

e. Fire Protection.

To minimize the threat of fire at this facility, several steps shall be taken. This includes, but is not limited to, restricting public access, checking incoming loads for the potential for fire hazard, maintaining equipment, prohibiting smoking, and maintaining a gas detecting system. Instruction in fire fighting procedures shall be routinely provided for site personnel. Open burning shall be prohibited at the Landfill and Expanded Landfill.

The Landfill and Expanded Landfill shall maintain several types of equipment on-site that may be used in fire fighting efforts. Earthmoving equipment that is utilized on a daily basis for landfill operations may be used to move and apply cover material to smother fires. Cover material is readily available on-site for fire control purposes. The water truck, with full capacity, shall be available and on site to assist with fire control.

Water from the on and off-site retention basin locations shall be used as a supplementary source. Should a fire occur at the Landfill or Expanded Landfill, the burning material shall be removed to a pre-selected location away from the daily fill face and shall be segregated and smothered with clean soil. The Bloomington Township Fire Department shall be contacted by ADS if ADS personnel are unable to extinguish a fire. Emergency phone numbers shall be posted in the maintenance building and scale house. Radios shall be maintained on equipment and in the buildings for efficient communication.

The facility shall maintain a supply of fire extinguishers that can be utilized. These extinguishers shall be located in the maintenance building and scale house. Dedicated fire extinguishers shall be carried on the equipment at all times and can be utilized to control any small fire that may occur. Extinguishers shall be maintained in conformance with State and local fire codes and regulations.

f. Traffic Safety.

The transportation plan for the Landfill and Expanded Landfill utilizes the existing off-site roadways. It is expressly agreed by ADS that all vehicles entering and exiting the Landfill and Expanded Landfill shall have a gross weight not to exceed 73,280 pounds. These off-site roadways include Oakland Avenue. The traffic patterns of these public roads that access the facility have been analyzed and the operation of the Landfill has had a negligible effect on traffic in the site vicinity.

A combination of existing on-site all-weather roadways and newly constructed roadways are used for on-site traffic. The main entry roadway is located on Oakland Avenue. Fencing with a lockable gate restricts unauthorized access to the site. The main entry road located on Landfill or Expanded Landfill property shall have an all-weather surface from Oakland Avenue to the weight scale. The on-site road used for one- and

two-way traffic shall be a minimum of 10 to 20 feet wide, respectively. Also, all roadways shall be crowned to promote drainage. Mud tracking off-site is controlled by the travel distances from the active fill face to the County road and installation of rumble strips near the scale such that any loose mud shall be dislodged from the delivery vehicle prior to exiting the site. A sweeper shall be utilized to collect mud from on-site roadways and public roadways near the entrance, if necessary. Traffic signs are posted, where applicable, to assist vehicles with entering and exiting the facility, and accessing the active face. Only landfill and authorized personnel will be allowed into the Landfill and Expanded Landfill before or after operating hours. Trucks shall not be allowed to park on public roadways in front of or near the entrance. Arriving trucks must travel at least two truck lengths apart. All open trucks and trailers shall be tarped or covered and swept out at the active face prior to leaving the site. The drivers must come to a complete stop prior to exiting the main entrance. Drivers shall be periodically notified and reminded of the site procedures. Drivers who disregard these procedures shall be reprimanded and upon future infractions shall be denied future access to site.

g. Hours.

ADS shall accept waste Monday through Saturday at the Landfill and Expanded Landfill. Operating hours shall be no sooner than 6:00 a.m. and no later than 6:00 p.m. on Monday through Friday. Operating hours shall be 6:00 a.m. through Noon on Saturday. Exceptions may be made for declared emergencies, in which case the parties hereto shall abide by the rules and regulations of the Illinois EPA.

h. Noise.

ADS' landfill equipment shall have properly installed and operating manufacturer mufflers at all times.

24. County Obligations.

The County, provided that the Siting Application for the Expanded Landfill is approved, shall utilize its best effort to assist ADS in obtaining all necessary permits from the Illinois Environmental Protection Agency for the construction and operation of the Expanded Landfill.

25. Force Majeure.

The obligations with respect to the performance of this Agreement by either party (except for the payment of money, as explained further below) shall be suspended and extended in the event, and during the period, that such performance is prevented, hindered, or delayed by a cause or causes beyond the reasonable control of either party including, without limitation, Acts of God (except weather conditions normal for the geographic area of the facility); epidemic, landslide, lightning, tornado, earthquake, fire, explosion, flood or similar occurrence; an act of the public enemy, war, blockade, insurrection, riot, general unrest, civil disturbance or other similar occurrence that may have a material adverse effect on the construction or operation of the Landfill or the Expanded Landfill; and any change in Law which has a material effect on the construction or operation of the Landfill or the Expanded Landfill, including the order or judgment of any court, provided such order or judgment is not the result of negligence, failure or wrongful action or omission on the part of the party involved. In the event of disruption of services under any such circumstances, each party will make every reasonable effort to overcome the cause of cessation of services and to reopen the Landfill or the Expanded Landfill as soon as practicable after the cessation of the cause of suspension of services.

ADS' obligation with respect to the minimum $5,000 Host Benefit Fee as required by Section 15(a) of this Agreement shall be suspended in the event that the IEPA does not timely complete review or grant ADS' permit application to develop, construct or operate the Landfill Expansion within the 180-day time period to do so pursuant to Section 39(a) of the Illinois

Environmental Protection Act, 415 ILCS 5/39(a). During the time of suspension, ADS shall pay to the County a Host Benefit Fee of $1.27 per ton of Nonhazardous Solid Waste disposed of at the Landfill or Expanded Landfill per month until IEPA grants a final, unappealable permit to ADS for its Landfill Expansion. Thereafter, the provisions of Section 15(b) of this Agreement shall take effect.

26. Enforcement.

The parties agree that either party shall have the right to enforce this Agreement by an action in McLean County Circuit Court. Each party agrees to notify the other party of any alleged violation or breach of this Agreement, in an effort to resolve the dispute without requiring suit in McLean County Circuit Court.

27. Notice of Violation

Prior to commencing any suit to enforce this Agreement, the complaining party agrees to give the other party reasonable written notice of any alleged non-compliance, whereupon the parties agree to make a reasonable effort to resolve the alleged violation or dispute to the mutual satisfaction of both parties.

If a material violation of this Agreement is not corrected by ADS to the satisfaction of the County, the parties agree that the County may seek any and all appropriate relief.

28. Confidentiality

The County shall not disclose or release any documents, records, or other information that constitutes proprietary or confidential business information of ADS, including, but not limited to, information regarding customers and pricing to any third parties unless ordered to do so by the Court. It is intended that disclosure of such information be limited to public officials in their official capacity with the County who have a need to review such information for purposes of enforcing this Agreement.

29. Insolvency, Bankruptcy and Memorandum of Agreement.

If ADS, or its successors and assigns for purposes of this Agreement, shall (1) at any time during the term of this Agreement have proceedings in bankruptcy instituted against it and be unable to pay its debts as they become due, or (2) if any execution or attachment of the Property or the Expanded Landfill shall issue against ADS, or its successors and assigns for the purposes of this Agreement, whereupon the Property or the Expanded Landfill shall be taken or attempted to be taken, or (3) a receiver or trustee shall be appointed for the Property or the Expanded Landfill, or (4) if this Agreement shall, by operation of law, devolve upon or pass to any person or persons other than ADS, or its successors and assigns for purposes of this Agreement, then, and in each of said cases, County, at its election may terminate this Agreement and be discharged from any future obligations of performance. The parties agree to execute and record a Memorandum of Agreement setting out the identities of the parties, the existence of this Agreement, and a description of the Property or the Expanded Landfill.

30. Severability and Applicable Law.

If any provision or subsection hereof or the application thereof to any person or circumstances is held invalid, the other provisions of this Agreement and/or their applicability to other persons or circumstances shall not be affected thereby. It is declared to be the intent of this Agreement that the same would have been adopted had such invalid provision, if any, not been included herein. This Agreement shall be governed by the laws of the State of Illinois.

31. Authority to Enter Into Agreement.

ADS hereby represents and warrants that it is a valid and existing Delaware corporation authorized to do business in Illinois and that the individuals executing this Agreement have been duly authorized by the corporation to act on its behalf and enter into this Agreement. ADS agrees to provide the County with sufficient proof of said authorization which proof shall include

but not be limited to an appropriate corporate resolution authorizing the execution of this Agreement.

32. Agreement Review and Amendments

This Agreement shall be subject to review every year from the Effective Date of this agreement, or any amended agreement, at the request of either party. This provision does not prevent the parties upon mutually agreeing at any time to discuss problems or any matters of interest or concern. The purpose of the annual reviews will be to discuss the status of this Agreement, or any amended agreement, and allow each party to suggest further amendments based upon a change in circumstances arising since the time of this agreement or any amended agreement.

33. Repeal of Tipping Fee Ordinance

Upon execution of this Agreement, the County's Tipping Fee Ordinance and Agreement entered into by the parties hereto dated November 19, 1991, shall be repealed and rescinded respectively.

34. Termination

This Agreement shall terminate on the earlier date of either of the following two occurrences:

1. a final unappealable decision, ruling, order or ordinance is issued denying siting approval of the Siting Application for the Expanded Landfill, or the period of time to appeal such decision, ruling, order or ordinance has expired; or

2. a final, unappealable decision, ruling or order is issued upholding the denial of a permit from the IEPA to develop or operate the Expanded Landfill, or the period of time to appeal such decision, ruling or order has expired.

Notwithstanding the provisions of Section 33, if the Agreement is terminated, the County shall have the right to reinstate and/or reenact its Tipping Fee Ordinance and Agreement.

IN WITNESS WHEREOF, the parties hereto have caused the signatures of their legally authorized representatives to be affixed hereto on the day and year indicated on the first page of this Agreement.

ADS OF ILLINOIS, INC.

BY: _____

ITS: PRESIDENT

ATTEST:

BY: Betty A Donaldson

ITS: _____

COUNTY OF MCLEAN

BY: _____

Michael F. Sweeney
Chairman, McLean County Board

"OFFICIAL SEAL"
BETTY A. DONALDSON
NOTARY PUBLIC STATE OF ILLINOIS
COMMISSION EXPIRES 11/27/05

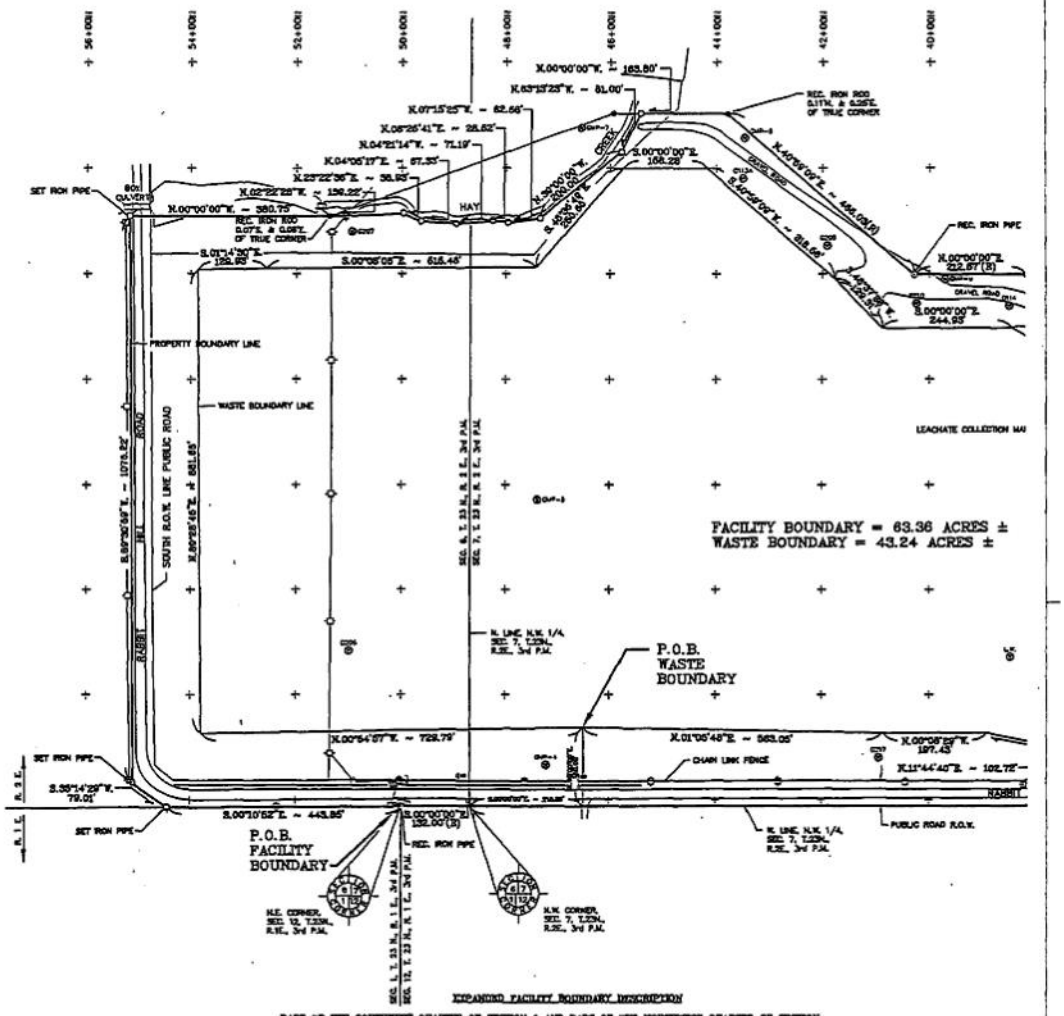
ATTEST:

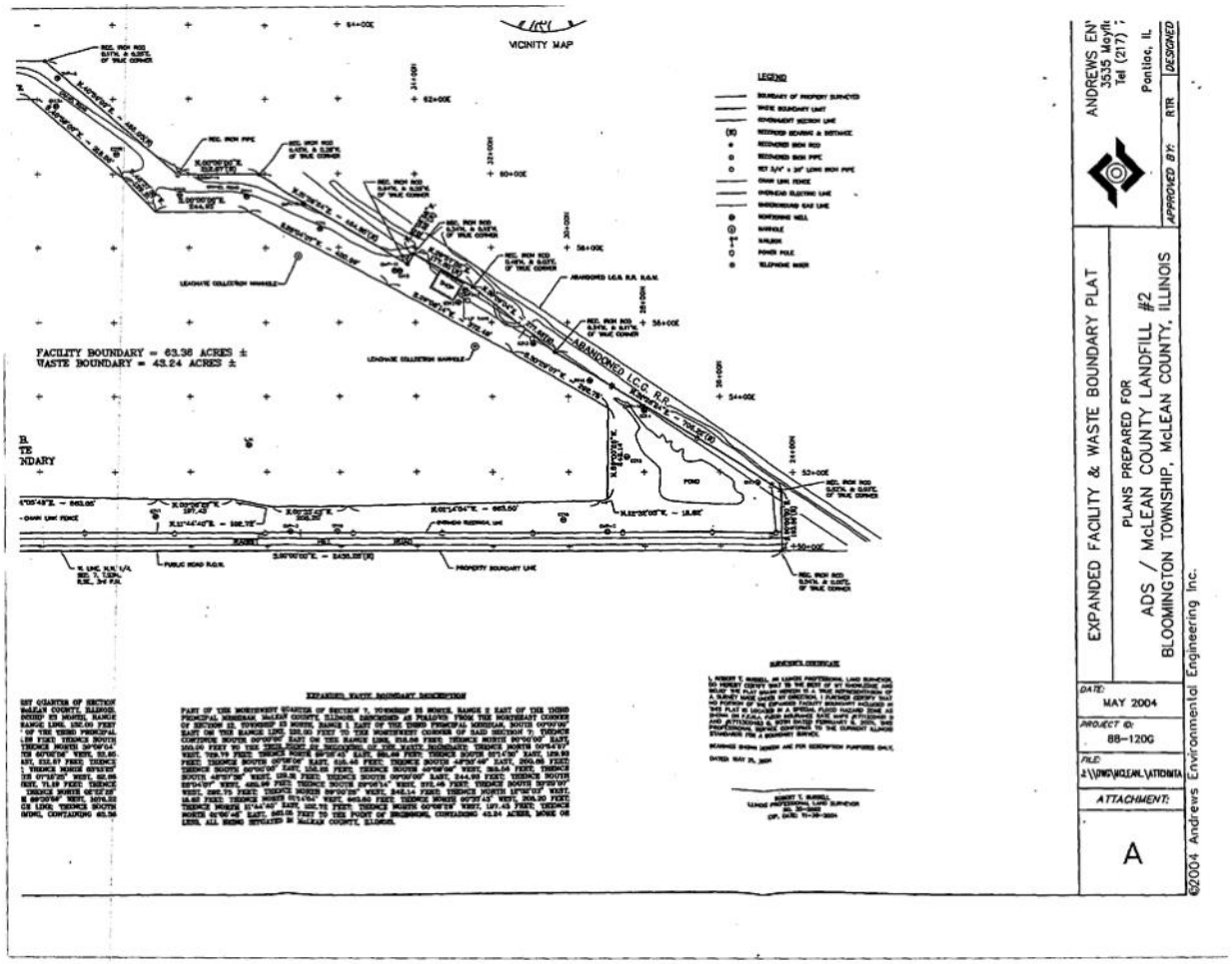
BY: _____

Peggy Ann Milton
Clerk of the McLean County Board

ATTACHMENT A

DESCRIPTION OF PROPERTY


FACILITY BOUNDARY = 63.36 ACRES ±
WASTE BOUNDARY = 43.24 ACRES ±
P.O.B.
WASTE
BOUNDARY
P.O.B.
FACILITY
BOUNDARY
PROPERTY BOUNDARY LINE
WASTE BOUNDARY LINE
SOUTH R.O.W. LINE PUBLIC ROAD
CHAIN LINK FENCE
SET IRON PIPE
REC. IRON PIPE
PUBLIC ROAD R.O.W.
LEACHATE COLLECTION MA
N. LINE N.W. 1/4, SEC. 7, T.23N., R.3E., 3rd P.M.
N.00°00'00"W. ~ 165.80'
N.63°15'25"W. ~ 81.00'
N.07°15'25"W. ~ 62.66'
N.08°25'41"E. ~ 28.62'
N.04°21'14"W. ~ 71.19'
N.04°05'17"E. ~ 67.33'
N.23°22'36"E. ~ 36.93'
N.02°22'25"W. ~ 136.22'
N.00°00'00"W. ~ 380.75'
S.00°06'05"E. ~ 615.46'
N.00°54'57"W. ~ 729.79'
N.01°05'48"E. ~ 563.05'
S.00°10'52"E. ~ 443.85'
S.89°30'56"W. ~ 1078.22'
N.11°44'40"E. ~ 102.72'
S.35°14'29"W. 79.01'
EXPANDED FACILITY BOUNDARY DESCRIPTION


VICINITY MAP
LEGEND
FACILITY BOUNDARY = 63.36 ACRES ±
WASTE BOUNDARY = 43.24 ACRES ±
ABANDONED I.C.G. R.R.
EXPANDED FACILITY & WASTE BOUNDARY PLAT
PLANS PREPARED FOR
ADS / McLEAN COUNTY LANDFILL #2
BLOOMINGTON TOWNSHIP, McLEAN COUNTY, ILLINOIS
ANDREWS ENV
3535 Mayfl
Tel (217)
Pontiac, IL
APPROVED BY:
RTR
DESIGNED
DATE:
MAY 2004
PROJECT ID:
88-120G
FILE:
ATTACHMENT:
A
©2004 Andrews Environmental Engineering Inc.

ATTACHMENT B

MCLEAN COUNTY LANDFILL SITE PLAN

ATTACHMENT C

PROCEDURES FOR DETERMINING REMAINING CAPACITY

and

THE ORIGIN OF WASTE

I.

METHODOLOGY

Calculation of the remaining capacity of a landfill involves calculating the volume between the existing grades and the permitted top of waste grade. The landfill owner or operator must survey the landfill's existing grades at the end of each reporting period. Specific requirements for the reporting period, topographic maps, and calculations are detailed below.

Reported Period. The recommended reporting period is from January 1 to December 31. This provides for a simple calculation of the annual usage of airspace. However, it is not always possible to conduct surveys on these dates; therefore, this is not a hard deadline. In any event, the surveys should be scheduled so that they are approximately one year apart and the calculations can be completed before the IEPA's reporting deadline. The landfill owner or operator is required to report the exact dates when the surveys were performed.

Topographic Surveys and Maps. Topographic surveys may be conducted using aerial photogammetry, traditional field surveying methods, or a combination of these two methods. If a previous topographic map exists, only those areas affected by landfill development and filling need to be surveyed. Regardless of the method used, the survey shall be accurate to within one foot vertically. The horizontal scale of the resulting topographic map shall be equal to or greater than 1-inch equals 200 feet. The maximum contour interval shall be two feet. Aerial photogammetry shall be used at least every 5 years. All topographic maps shall show the permitted limits of waste placement and the actual date of the aerial or field survey. Areas that exceed permitted horizontal and vertical limits shall be highlighted and noted on topographic maps.

The topographic maps showing the existing and previous grades will have to be modified to account for all permitted areas that are undeveloped, all stockpiles on the landfill, and any other features that could affect the remaining capacity calculations. The modifications are made by blending the contours of the topographic maps to those on the facility's design drawings. In all, three topographic maps will be used. These include: 1) grades at end of previous reporting period (and the beginning of the current reporting period); 2) grades at end of the current reporting period; and, 3) grades of the permitted top of waste surface. These three maps will be used to calculate the volume of airspace consumed over the reporting period and the volume of airspace remaining at the landfill. In theory, only the second map will need to be generated as the other were prepared for previous reports.

Airspace Calculations: Two volumes will be calculated. First, the airspace consumed over the reporting period is calculated by determining the difference between the grades of the top of waste (or the permitted base grades for undeveloped areas) at the start of the reporting period and the grades of the top of waste at the end of the reporting period. Second, remaining airspace is calculated by determining the difference between the grades of the top of waste at the end of the reporting period and the grades of the final top of waste surfaces.

Volume calculations can be performed using manual or computer methods. A typical manual method is an end-area cross section method. If this type of method is chosen, the distance between cross sections shall be sufficiently spaced to calculate the desired volumes.

A computer method may also be used to calculate volumes. If the topographic maps are in a CAD format, many software packages will calculate the difference between two surfaces. The difference between the two surfaces will be the airspace calculations. It is important that

any adjustments to the calculations or maps be made before finalizing the resulting calculations. These adjustments must be thoroughly documented in the submittal.

Whichever method is chosen, the landfill owner or operator shall attach all calculations and assumptions to the remaining capacity submittal to demonstrate the airspace volumes are correct.

Gate Receipt Calculations. Gate receipt calculations are important to show how much waste can be placed in the landfill on an as-received basis. The owner or operator is required to submit calculations demonstrating the total volume of all wastes accepted at the landfill during the reporting period. The total volume of all waste (including fee-exempt wastes) accepted during the reporting period shall coincide with the volumes and tonnage reported along with the host fee submittal. If the landfill is equipped with scales and the host fee is reported in tons, the as-received waste density in tons per cubic yard shall be submitted.

II.

WASTE ORIGIN

For purposes of determining the volume of the reserved disposal capacity actually utilized during any calendar year for waste originated from within the County pursuant to Section 6 of the Agreement, ADS shall provide the County with the volume it has determined was disposed that originated from within the County during any calendar year. ADS' determination shall be based upon computer-generated records maintained by ADS which identify each load by waste hauler and volume of waste disposed by that hauler, along with ADS' knowledge of the waste hauler's current and historic collection practice and geographic location covered by such collection practice. The County shall be entitled to review the

computer-generated records at ADS not less than an annual basis to verify the information provided by ADS. ADS shall make available to the County the scale tickets, and such other business records the auditor may request to conduct the review. Provided, however, that ADS may provide these records to the County as confidential business records and the County agrees that such records shall be kept confidential, consistent with Section 18 of this Agreement, and such confidential business records shall not be provided for review or disclosed pursuant to a request under the Freedom of Information Act, unless otherwise ordered by a Court of Law.

ATTACHMENT D

PROPERTY VALUE GUARANTEE PLAN

ADS PROPERTY VALUE GUARANTEE PLAN

As a condition of the Host County Agreement with McLean County, which is incorporated by reference herein, ADS agrees to provide the following Property Value Guarantee Plan.

I. Definitions

A. The definitions of the terms defined in the Host County Agreement are to be utilized in interpreting this Plan.

B. Additional definitions.

1. "Application" means the application provided by ADS and completed by an Owner which is used to determine the eligibility of the Owner's Property under the Guarantee.

2. "Appraiser" means a properly licensed appraiser by the State of Illinois.

3. "Guarantee Certificate" means the certificate provided by ADS to an Owner establishing the Value of Property.

4. "Guarantee Plan" means the Property Value Guarantee Plan of ADS set forth in this document.

5. "Loss" means the difference between the Value at Sale and the Value shown on the Guarantee Certificate.

6. "Occupied Dwelling" means a permanent building that is currently being used on a regular basis for human habitation.

7. "Owner" means the legal entity, individual or individuals holding title to any Property or the legal entity, individual beneficiary or beneficiaries of a trust which holds title to any Property on the effective date of the Host County Agreement.

8. "Property" means real property eligible to qualify for the benefits of this

Property Value Guarantee Plan. Property includes land, but only existing structures as well as improvements and additions to those existing structures.

9. "Realtor" means a person licensed by the State of Illinois to sell real estate.

10. "Sale of Property" means the transfer of the ownership of an Owner where the Owner is willing to sell and the Purchaser is willing to purchase the Property in an arms length transaction at a certain price.

11. "Value" means the fair market value of a Property evidenced by the Guarantee certificates as of the date of the Guarantee Certificate.

12. "Value at the Sale" means the fair market value of a Property at the time of Sale.

II. Eligibility for the Guarantee Plan

Each Owner of real property of record, prior to the date ADS is issued an IEPA Permit to construct the Expanded Landfill, which is located within the area identified as being within one quarter mile of the Expanded Landfill, is eligible to qualify for the benefits of this Guarantee Plan with respect to the Owner's Property, provided there is an Occupied Dwelling on the real property that is within one quarter mile of the Expanded Landfill, subject to the terms and conditions stated in this Property Value Guarantee Plan and subject to such Owner's compliance with the requirements of this Property Value Guarantee Plan.

III. Procedure for Qualification

A. Application.

Within 60 days of the beginning of the permitted operation of the Expanded Landfill, ADS shall send, by certified mail, an Application to each taxpayer of record as determined by the authentic tax records of the County in which the real property is located for the real property

located within the area identified as being within one quarter mile of the Expanded Landfill. An Application shall be completed by the Owner and returned to ADS by the date specified in the Application which shall be no sooner than sixty days after the Application is mailed by ADS. Any owner failing to complete and return the Application within the specified time period will not qualify for the Property Value Guarantee Plan.

B. Determination of Value.

1. After receiving a completed Application from an Owner, ADS shall arrange for an Appraisal of the Property by an Appraiser to determine the Value of the Property. ADS shall make a copy of the Appraisal available to the Owner.

2. If an Owner disagrees with the Value of the Property as determined in the Initial Appraisal, the Owner may arrange for a second Appraisal at the Owner's expense, which Appraisal shall be completed by an Appraiser within 30 days of the Owner's receipt of the initial Appraisal. The Owner shall send Appraisal to ADS within two weeks of its completion. If the difference between the Appraisals is five percent (5%) or less of the greater Appraisal, the Value shall be the average of the two Appraisals. If the difference between the two Appraisals is greater than five percent (5%) of the greater Appraisal, then a third Appraisal shall be conducted by an Appraiser chosen jointly by the Owner and ADS and shall be completed within 90 days of the Owner's receipt of the initial Appraisal. The Value shall be determined from the third Appraisal. The cost of the third Appraisal will be shared equally by ADS and the Owner.

C. Guarantee Certificate. After determination of the Value of the Property, ADS shall send to the Owner a Guarantee Certificate which establishes that the Owner has qualified for the benefits of the Property Value Guarantee Plan and is entitled to compensation for any Loss directly attributable to the operation of the Expanded Landfill.

D. Revised Value. Upon request of an Owner, ADS will conduct a new Appraisal of the Property at ADS's expense if: (i) seven (7) years have elapsed since the issuance of a Guarantee Certificate with respect to the Property, (ii) at least $10,000.00 in improvements to the Property have been documented, which improvements shall be of the type which would increase the tax basis of the Property under the Internal Revenue Code, and (iii) a copy of receipts or other written documentation for the improvements have been provided. Upon completion of the revised Appraisal, the Value of the Property will be adjusted and a revised Guarantee Certificate will be issued. If the Owner disagrees with the revised Appraisal, the procedure described in Section B.2 above shall be available to the Owner.

IV. Benefits Provided by the Guarantee Plan

An Owner who has qualified under the terms of the Guarantee Plan and received a Guarantee Certificate shall receive compensation from ADS for the portion of any Loss directly attributable to the operation of the Expanded Landfill based upon the initial determination of value as outlined above. Compensation paid by ADS will be equal to the portion of the Loss directly attributable to the past and current operations on the Expanded Landfill. The Guarantee Plan does not provide benefits for any Loss which is not directly attributable to the operation of the Expanded Landfill.

V. Owner Agreements

To be eligible to receive benefits under this Guarantee, an Owner shall:

1. Notify ADS in writing within two weeks after listing the Property for sale with a Realtor for 180 days;

2. Notify ADS in writing within one week of the receipt of an offer to purchase the

Property and include a copy of the terms of the offer signed by the potential buyer.

3. Accept any bona-file offer during the 180 day listing period in which the Value of Sale meets or exceeds the Value of the Property.

4. If the Owner desires to accept an offer for less than the Value of the Property at any time, he or she shall first give to ADS the right, but not the obligation, to at any time within 30 days from its receipt of such notice to purchase the Property at the price offered by such other party; and

5. Permit ADS, its agents or employees the right to appraise the Property.

6. If ADS does not exercise its right under subsection V(A)(4); notify ADS in writing within one week of the execution of a contract to sell the property and include a copy of the contract.

VI. Claims Procedure

A. To be eligible for benefits under this Guarantee, the Owner must comply with the following claims procedure.

1. An Owner shall make a claim for benefits within 90 days of the closing of the sale of Property.

2. A Claim for benefits shall be filed with ADS and shall include a copy of a valid Guarantee Certificate, evidence of the Value of Sale and a report by an Appraiser demonstrating that the Loss in Value was directly attributable to the operation of the Expanded Landfill.

B. ADS may conduct its own Appraisal by an Appraiser to verify the Value at Sale and to determine the cause of any Loss.

ATTACHMENT E

ENVIRONMENTAL CONTINGENCY FUND

GUARANTY

This Environmental Contingency Fund Agreement (the "Guaranty") is made and entered into by and between McLean County, Illinois ("County") and ADS of Illinois, Inc. ("ADS") as part of the Host County Agreement (the "Agreement") with ADS to which this Guaranty is attached. This Guaranty is to be interpreted and constructed in a manner consistent with the Agreement and the defined terms contained in the Agreement are utilized in the construction and interpretation of this Guaranty. The Agreement is incorporated by reference herein.

In addition to the financial assurance requirements of the State of Illinois applicable to waste facilities of this type and kind, beginning on the Effective Date of the Agreement and continuing for a period of thirty (30) years subsequent to IEPA-certified closure of the Landfill or Expanded Landfill, whichever occurs later, ADS hereby agrees to provide up to $1 million in the event ADS breaches and fails to cure any of its obligations within such time limits as may be contained in the Agreement or as may be reasonably imposed by the County in a notice served upon ADS by the McLean County Health Department (the "Health Department") for the investigation and remediation of (a) any release or substantial threat of release of a substance defined as hazardous pursuant to Section 101 of the Comprehensive Environmental Response Compensation and Liability Act, 42 U.S.C., Section 9601, or pursuant to the Act and the regulations adopted thereunder ("Hazardous Substance") from the Landfill or the Expanded Landfill into the environment; or (b) any other conditions or occurrences subsequently caused by ADS' operations on the Landfill or the Expanded Landfill which create circumstances of substantial danger to the environment or to the public health, safety or welfare. Such notice from the Health Department shall include a copy of the investigation or, in the absence of a written investigation report, an adequate description of the factual circumstances at the Landfill or the

Expanded Landfill triggering ADS' obligation and/or remediation required to be performed by ADS and an opportunity for ADS to perform such remediation within a reasonable time. The County shall have the right to call upon ADS to perform this Guaranty, but only in the event that ADS fails, without legal cause rising to the level of a defense to an action brought by or on behalf of the United States Environmental Protection Agency or by the IEPA, to provide such remediation. The County shall have the right to obtain from the McLean County Circuit Court, in the Court's discretion, an Order allowing the County to call upon ADS to perform pursuant to this Guaranty for the purposes set forth herein.

The County's right to call upon this Guaranty shall be in addition to any enforcement rights the County may have under this Agreement.

IN WITNESS WHEREOF, the parties hereto have set their hands and seals.

COUNTY: McLean County, Illinois

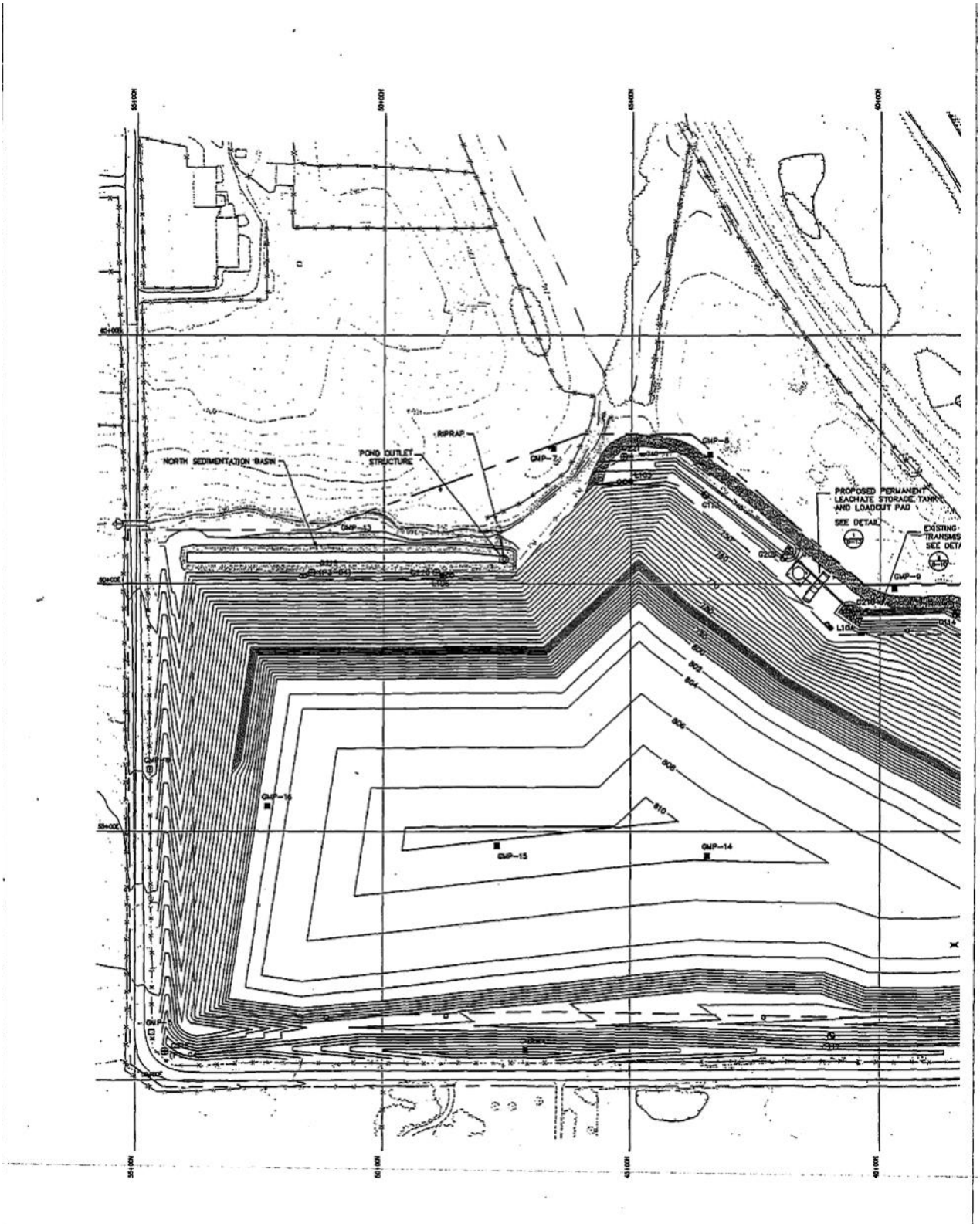
By: _____
Michael F. Sweeney, Chairman
McLean County Board

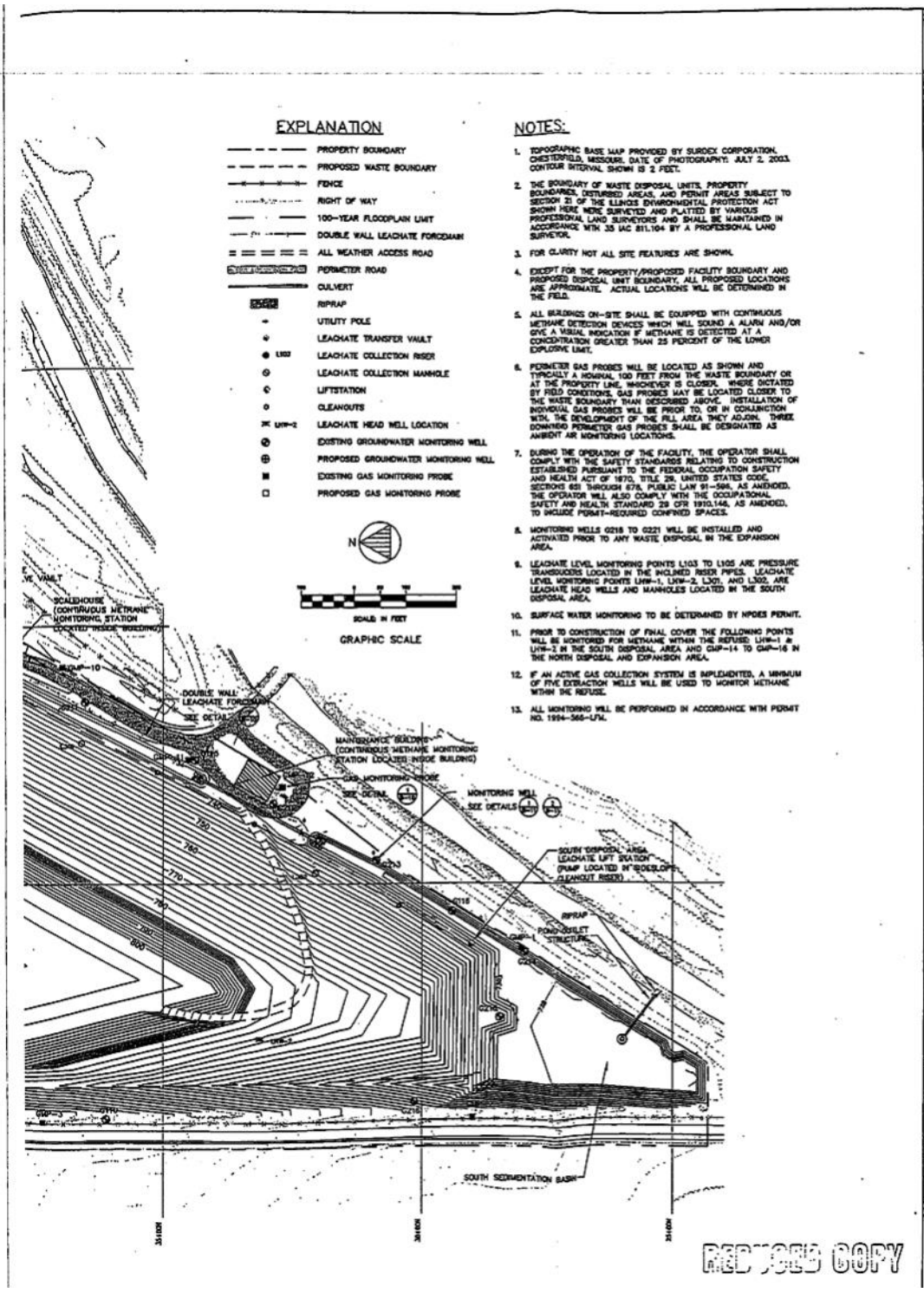
By: _____
Peggy Ann Milton, Clerk of the
McLean County Board

(Seal)

OPERATOR: ADS of Illinois, Inc.

By: _____
Its President


NORTH SEDIMENTATION BASIN
POND OUTLET STRUCTURE
RIPRAP
GMP-5
GMP-6
GMP-9
GMP-13
GMP-14
GMP-15
GMP-16
PROPOSED PERMANENT LEACHATE STORAGE TANKS AND LOADOUT PAD
SEE DETAIL
EXISTING TRANSMIS
SEE DET
L10A
800
805
810



ANDREWS ENVIRONMENTAL ENGINEERING INC.
3535 Mayflower Blvd., Springfield, IL 62707
Tel (217) 787-2334 Fax (217) 787-9495
Pontiac, IL • Warrenville, IL • Indianapolis, IN

APPROVED BY:	DWM	DESIGNED BY:	DWM	DRAWN BY:	MPN

FINAL SITE CONDITIONS

PLANS PREPARED FOR
ADS / McLEAN COUNTY LANDFILL #2
BLOOMINGTON TOWNSHIP, McLEAN COUNTY, ILLINOIS

DATE: MAY 2004
PROJECT ID: 88-120G
FILE: E:\DWG\MCLEAN_\ATTCHMTB
ATTACHMENT: B

©2004 Andrews Environmental Engineering Inc.

Appendix C: 2017 Capacity Report, McLean County Landfill

ANDREWS ENGINEERING, INC.

March 27, 2017

Mr. John McIntyre
Chair of the McLean County Board
812 Karin Dr.
Normal, IL 61761

Re: 1130200042 – ADS/McLean County Landfill #2
McLean County
Host County Agreement – 2017 Capacity Report

Dear Mr. McIntyre:

On behalf of our client, American Disposal Services of Illinois, Inc., Andrews Engineering, Inc. (Andrews) has completed the Annual Capacity Report as required by the Host County Agreement. Appendix C of the Host County Agreement requires that three topographic maps be submitted along with the required text and calculations. Andrews performed a topographic survey at the facility on February 26, 2016 for the 2016 Illinois Environmental Protection Agency (EPA) Annual Capacity Report (Figure 1). An aerial survey of the facility was performed on December 27, 2016, and AEI used the information collected (combined with previous surfaces) to create the current waste surface (Figure 2). This waste surface was used for the 2017 Illinois EPA Annual Capacity Report. The final attached figure (Figure 3) is the current permitted top of waste, including the approved Horizontal Expansion. These surfaces and volumes have been calculated using the survey data and AutoCAD Civil 3D Desktop.

As required by both the Host County Agreement and the Illinois EPA Annual Capacity Report, the remaining air space permitted to receive waste has been calculated. This volume is 194,436 cubic yards. A copy of the Annual Capacity Report, which was submitted to the Illinois EPA, has been included with this correspondence. The amount of airspace consumed last year was also calculated. This volume was calculated using AutoCAD Civil 3D software, which compared the 2016 (February 26, 2016) topographic survey with the 2017 (December 27, 2016) aerial survey. The volume consumed for 2016 has been calculated to be 182,231 cubic yards. In addition, tonnage taken in for the year was obtained from facility records. The tonnage received between the two survey dates of February 26, 2016 and December 27, 2016 was 170,518 tons.

If you have any questions or require further information, please do not hesitate to contact me at (217) 787-2334. Thank you.

Respectfully yours,

Douglas W. Mauntel, P.E.
Director of Engineering Services

RECEIVED
MAR 30 2017
ZONING

DWM:ask:enr

Enclosures

cc: Brian Hughes – Republic Services, Inc. (email and hard copy)
Roy Whittinghill – McLean County LF #2 (email and hard copy)
Jim Karch, Director of Public Works, City of Bloomington

J:\R\RSI McLean\DOC\2017\2017 Annual Capacity\County Host Agreement Capacity Report 2017.doc
Reporting

3300 Ginger Creek Drive, Springfield, Illinois 62711 ◆ 217.787.2334 fax 217.787.9495 www.andrews-eng.com

ATTACHMENT 1

Topographic Maps

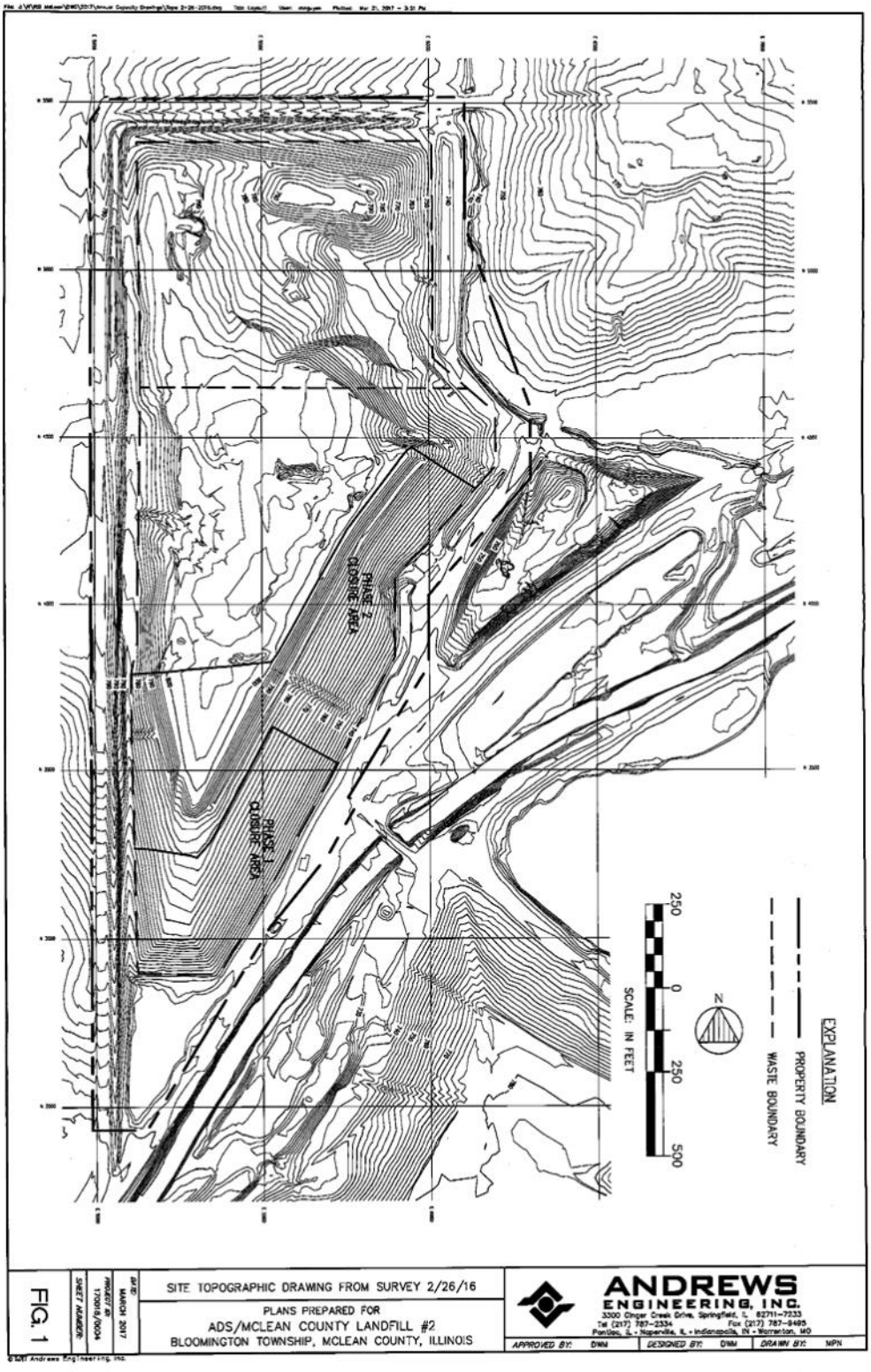
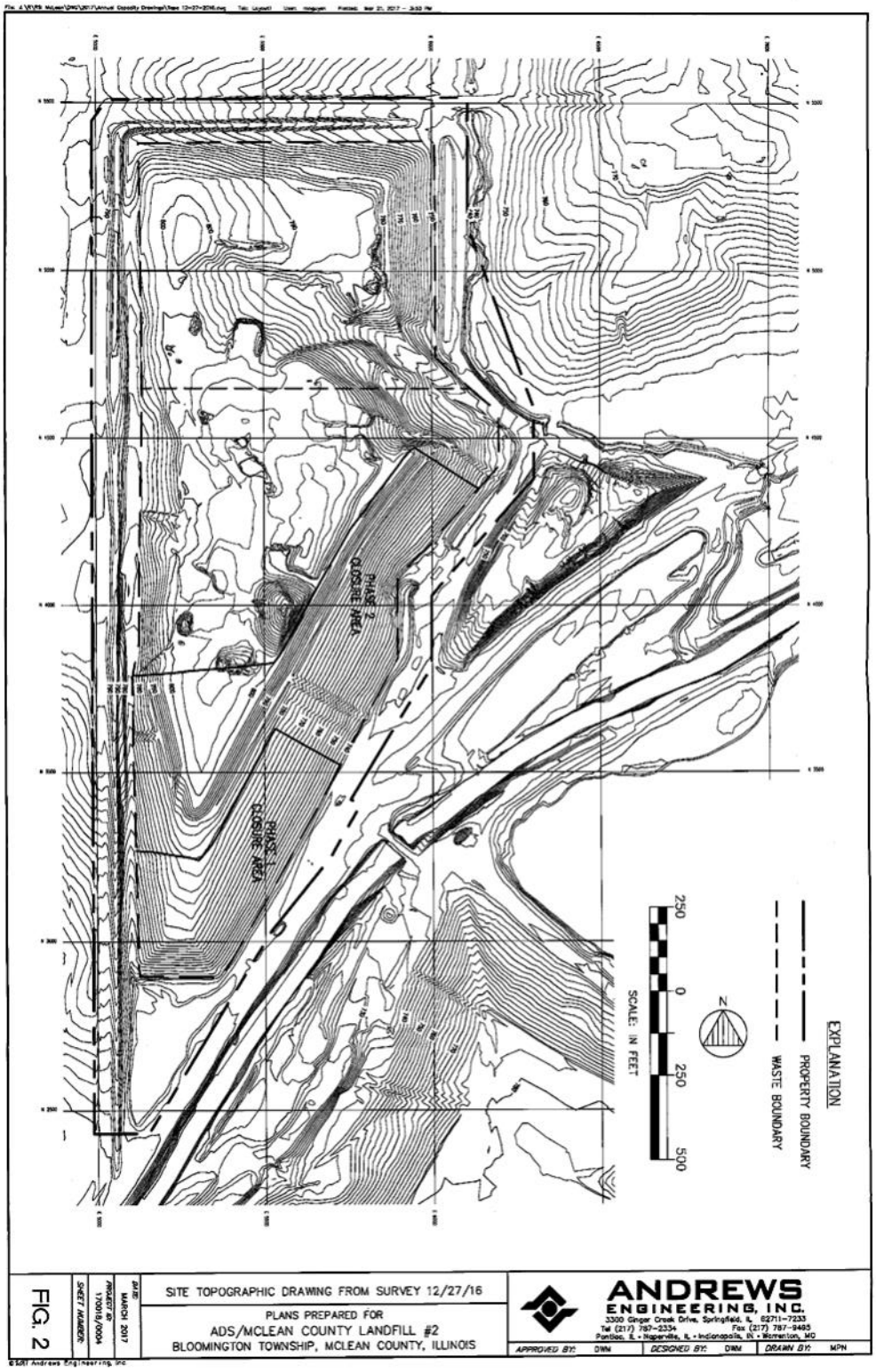
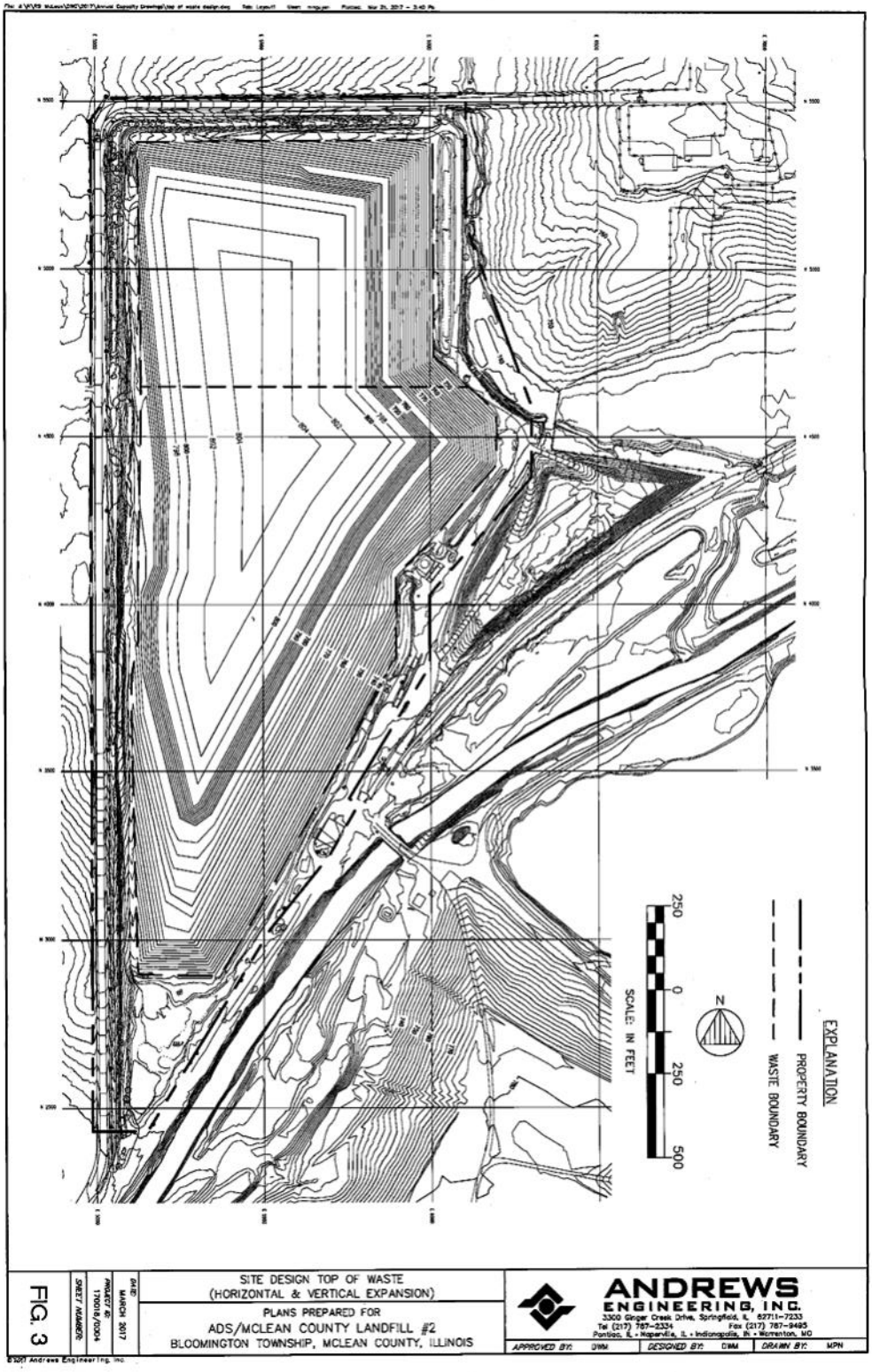


FIG. 1

©2017 Andrews Engineering, Inc.


PHASE 2 CLOSURE AREA
PHASE 1 CLOSURE AREA
EXPLANATION
PROPERTY BOUNDARY
WASTE BOUNDARY
SCALE: IN FEET
250
0
250
500
N
SITE TOPOGRAPHIC DRAWING FROM SURVEY 12/27/16
PLANS PREPARED FOR
ADS/MCLEAN COUNTY LANDFILL #2
BLOOMINGTON TOWNSHIP, MCLEAN COUNTY, ILLINOIS
ANDREWS
ENGINEERING, INC.
3300 Ginger Creek Drive, Springfield, IL 62711-7233
Tel (217) 787-2334 Fax (217) 787-9465
Pontiac, IL • Naperville, IL • Indianapolis, IN • Warrenton, MO
APPROVED BY: DWM
DESIGNED BY: DWM
DRAWN BY: MPN
DATE: MARCH 2017
PROJECT ID: 170018.0004
SHEET NUMBER:
FIG. 2
©2017 Andrews Engineering, Inc


EXPLANATION
PROPERTY BOUNDARY
WASTE BOUNDARY
SCALE: IN FEET
250
0
250
500
N
SITE DESIGN TOP OF WASTE
(HORIZONTAL & VERTICAL EXPANSION)
PLANS PREPARED FOR
ADS/MCLEAN COUNTY LANDFILL #2
BLOOMINGTON TOWNSHIP, MCLEAN COUNTY, ILLINOIS
ANDREWS
ENGINEERING, INC.
3300 Ginger Creek Drive, Springfield, IL 62711-7233
Tel (217) 787-2334 Fax (217) 787-9495
Pontiac, IL • Naperville, IL • Indianapolis, IN • Warrenton, MO
APPROVED BY: DWM
DESIGNED BY: DWM
DRAWN BY: MPN
DATE: MARCH 2017
PROJECT #: 170018/0004
SHEET NUMBER:
FIG. 3
©2017 Andrews Engineering, Inc.

ATTACHMENT 2

2017 Annual Capacity Report

ANDREWS
ENGINEERING, INC.

March 23, 2017

Mrs. Ellen Robinson, Project Manager
Illinois Environmental Protection Agency
Waste Reduction and Compliance Section
Bureau of Land #24
Springfield, IL 62794-9276

Re: 1130200042– ADS/McLean County Landfill #2
McLean County
2017 Solid Waste Landfill Capacity Certification Form

Dear Mrs. Robinson:

On behalf of our client, American Disposal Services of Illinois, Inc., enclosed herewith is the annual Solid Waste Landfill Capacity Certification form. If you have any questions or require further information, please do not hesitate to contact me. Thank you.

Respectfully yours,

Allison S. Kmett

Allison S. Kmett, P.E.
Project Engineer

DWM:ask:slm

Enclosure

cc: Brian Hughes – Republic Services, Inc. (email and hard copy)
Roy Whittinghill – McLean County Landfill #2 (email and hard copy)
John McIntyre – McLean County Board Chairman

J:\R\RSI McLean\DOC\2017\2017 Annual Capacity\Capacity Cover Letter.doc
Reporting

3300 Ginger Creek Drive, Springfield, Illinois 62711 • 217.787.2334 fax 217.787.9495 www.andrews-eng.com

Illinois Environmental Protection Agency
Landfill Capacity Certification Signature Form

ADS/McLean County Landfill #2
2105 W. Oakland Ave.
Bloomington, IL 61705
IEPA Site #: 1130200042
Summary generated: 3/22/2017
Capacity certified as of: January 1, 2017

Owner:	Operator:
American Disposal Svs. of Illinois Inc.	American Disposal Svs. of Illinois Inc.
2980 Granger Drive	2112 W. Washington
Springfield, Illinois 62707	Bloomington, Illinois 61704
Brian Hughes	Brian Hughes
Ownership Type: Private	Operator Type: Private
Opened in the past year: No	
Closed in the past year: No	
General Municipal Refuse:	64,366 tons
Hazardous Waste:	tons
Special Waste:	613 tons
ADC/Roadbase:	92,687 tons
Other:	12,852 tons
Remaining volume assessed: 12/27/2016	Assessment method: Aerial Photo
1) Total remaining volume - all permits:	194,436 cubic yards
2) Remaining permitted volume - daily cover:	19,444 cubic yards
3) Remaining permitted volume - final cover:	0 cubic yards
4) Total remaining volume:	174,992 cubic yards
5) Average compaction ratio:	4 cubic yards
6) Available capacity:	699,968 cubic yards
7) Waste received, past 12 months:	568,393 cubic yards
8) Life expectancy:	1 years
Expected closure date:	2018
Additional comments: March 2018	

All Solid Waste Landfill Capacity Certifications shall be signed by the person designated below or by a duly authorized repesentative of the person:

Corporation - By a principal executive officer or at least the level of vice-president
Partnership or Sole Proprietorship - By a general partner or the proprietor, respectively
Government - By either a principal executive officer or a ranking elected official

A person is a duly authorized representative only if:

1. the authorization is made in writing by a person described above, and
2. is submitted with this certification form (a copy of a previously submitted authorization can be used).

I certify that this document and all attachments were prepared under my direction or supervision. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties under Section 44 of the Environmental Protection Act for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

Owner Name: Daniel J. Winters

Owner Signature: Dal J Wit Date: 2-22-17

Owner Title: General Manager

Operator Name: Daniel J. Winters

Operator Signature: Dal J Wit Date: 2-22-17

Operator Title: General Manager

Engineer Signature: Allison Kmett Date: 3/22/2017

Engineer Name: Allison Kmett

Engineer Address: 3300 Ginger Creek

Springfield, IL 62711

Engineer Seal: LICENSED PROFESSIONAL ENGINEER ALLISON S. KMETT 062-064239 STATE OF ILLINOIS

Engineer Phone: 217-787-2334

ANDREWS
ENGINEERING, INC.

www.andrews-eng.com

Corporate Headquarters
Springfield Branch Office
3300 Ginger Creek Drive
Springfield, IL 62711
Tel: 217.787.2334

Pontiac Branch Office
215 West Washington Street
Pontiac, IL 61764
Tel: 815.842.2042

Indianapolis Branch Office
7486 Shadeland Station Way
Indianapolis, IN 46256
Tel: 317.595.6492

Chicago Area Branch Office
420 Eisenhower Lane North
Lombard, IL 60148
Tel: 630.953.3332

St. Louis Branch Office
101 East Walton, Suite 201
Warrenton, MO 63383
Tel: 636.456.6387

Appendix D: 2014 Waste Disposal Agreement between Republic Services, the City of Bloomington, and the Town of Normal

WASTE DISPOSAL AGREEMENT

This Agreement (the "Agreement") is made as of the 4th day of March 2014 by and between the City of Bloomington, Illinois, and the Town of Normal, Illinois, both Illinois home rule units of local government, (collectively "City"), and Republic/Allied ("Contractor").

Whereas, City requested proposals for the disposal of solid waste collected by City; and

Whereas Contractor submitted a proposal for the disposal of solid waste collected by City; and

Whereas City after reviewing all proposals submitted, determined that Contractor is best able to provide solid waste disposal services for City; and

Whereas the parties desire to reduce their understandings to writing; and

Now Therefore, in consideration of the terms, conditions, obligations and covenants contained herein the parties covenant and agree as follows:

SPECIFICATIONS:

1. Contractor will own/operate an appropriately licensed solid waste facility within a ten (10) mile radius of the intersection of Main and Division Streets, where the City of Bloomington and the Town of Normal adjoin, and accept Refuse for disposal with the exception of certain hazardous, special and other wastes as set forth later in this Agreement; and

2. The City will assume responsibility for the collection of Refuse generated within the City limits, and the City wishes to dispose of some or all of the Refuse generated within the City at the above referenced licensed solid waste facility.

3. **Performance by Contractor:**
The performance and obligations of Contractor hereunder shall be termed the "Work", shall include the following:

   a. **Acceptance by Contractor:**
   For the Consideration set forth in Exhibit A, Contractor shall accept for disposal, at its licensed solid waste facility all Refuse, as defined by the Bloomington City Code and Normal Town Code (the "Refuse"), collected by the City, its agents and employees which the City shall transport to the licensed solid waste facility subject to the exceptions set forth hereafter. The parties recognize that City shall not be obligated, but may deliver, in its discretion, to Contractor a portion or all of its Refuse collected by City. The Refuse may include solid waste collected from City-owned buildings, public litter receptacles, and all other items of whatsoever kind or nature. The Refuse may not include hazardous wastes as defined by Federal law, special

1

wastes as defined by the State of Illinois, white goods, tires, landscape waste, lead/acid batteries, asbestos containing materials, or any other materials which at this time or in the future may not be disposed in transfer stations or sanitary landfills pursuant to Federal or State statutes, rules or regulations- ("Excepted Waste"). Contractor retains the right to Refuse or reject after acceptance any loads containing Excepted Waste.

b. **Compliance with Laws:**
Contractor shall, during the term of this contract or any extensions or renewals thereof, fully comply with all Federal, State and local laws, statues, ordinances, rules and regulations which in any manner control, affect or relate to the Work or the ownership, operation and/or maintenance of a licensed solid waste facility in the State of Illinois, its operating permit, and the performances, obligations, operations or conduct of the Work hereunder, including all laws, statutes, ordinances, rules and regulations which are subsequently enacted. City shall have the right to request and receive verification from Contractor of its compliance with the provisions of this paragraph; to the extent Contractor is reasonably able to provide such verifications.

c. **Permits and Licenses:**
Contractor shall obtain and maintain all permits, licenses and approvals required by any regulatory or statutory authority which are necessary for it to fully perform the Work, including those required to own, operate and/or maintain the licensed solid waste facility.

d. **Operating Time:**
Contractor shall accept Refuse from the City at the licensed solid waste facility during the following days and times:

Labor Day to Memorial Day (Except Christmas Day) –
Monday through Friday - 7:00 AM to 3:30 PM & Saturday – 7:30 AM to 11:30 AM

Memorial Day to Labor Day -
Monday through Friday - 6:00 AM to 3:30 PM & Saturday – 7:30 AM to 11:30 AM

The parties acknowledge that the following days are holidays for employees of the licensed solid waste facility:

New Year's Day
Martin Luther King Day
Good Friday
Memorial Day
July 4th
Labor Day
Veteran's Day
Thanksgiving Day
Friday After Thanksgiving
Christmas Eve Day

Christmas Day
New Year's Eve Day

e. **Continued Operation:**
During the entire term of this contract, Contractor will maintain a licensed solid waste facility within a ten (10) mile radius of the intersection of Main and Division Streets. If due to an emergency situation unforeseen by the Parties, Contractor cannot dispose of solid waste at a licensed solid waste facility within a ten mile radius of the intersection of Main and Division Streets, then Contractor shall make arrangements for lawful disposal of solid waste during the period of the emergency situation at no additional cost to City.

f. **Indemnification:**
Contactor agrees to indemnify and hold the City harmless from and against any loss, damage, or claim (including reasonable attorneys' fees) resulting from or arising out of the negligent acts or omissions of Contractor in the performance of its obligations under this agreement.

4. **Performance by the City:**

a. **Delivery by City:**
City will deliver for disposal at the licensed solid waste facility Refuse collected by the City, its agents and employees during the term of this agreement, provided however the quantity and type of Refuse delivered to Contractor shall be in the sole discretion of City. All or a portion of Refuse collected may be delivered.

b. **Permits and Licenses:**
City shall obtain and maintain all permits, licenses and approvals required by any regulatory or statutory authority necessary for it to transport Refuse to Contractor, and will comply with the provisions contained within the Contractor's operating permit and all reasonable rules and regulations promulgated by contractor relating to receipt and disposal of Refuse.

c. **Compliance with Rules:**
City drivers will obey posted speed and traffic control signs. Refuse will be disposed of at the location and in the manner directed by the Contractor's managers or its supervisors.

d. **Indemnification:**
To the extent permitted by law, City agrees to indemnify and hold the Contractor harmless from and against loss, damage, or claim (including reasonable attorneys' fees) resulting from or arising out of the gross negligent acts or omissions of City in the performance of its obligations under this Agreement.

5. **Assignment:**

In the event that the City discontinues using its own employees to collect the City's Refuse and contacts for all such work with a third party, including the issuance of any franchise therefor, then the City shall assign this Agreement to such contractor or franchisee and shall require such contractor or franchisee to comply with all obligations contained in the Agreement during the remaining term thereof. In such event Contractor shall charge the City for all Refuse delivered by such contractor or franchisee at the same rate as set forth herein. Any such assignment shall not be deemed to be a cause to terminate this Agreement. The parties agree the City of Bloomington and the Town of Normal each retain the right to assign this agreement to a third party and assignment by one does not affect the validity of the agreement with regard to the non-assigning city or town. Contractor shall not assign this Agreement or any of the work described herein without the express written consent of the City and Town.

6. **Term:**

   a. This Agreement shall be for an initial period of two (2) years, commencing on March 1, 2014, and will be automatically renewed on an annual basis for up to five (5) additional periods of one (1) year each unless either party gives ninety (90) days written notice to the other prior to the expiration date of the original term or any renewal period. All terms, conditions, covenants and agreements set forth herein shall be applicable to any extension or renewal of this Agreement, except that the parties will negotiate in good faith mutually acceptable rates to be paid by the City during any renewal periods.

   b. This Agreement shall be subject to cancellation in the event either party is guilty of material breach of this Agreement; provided, however, that the Agreement may not be cancelled if the breaching party cures the breach within thirty days of receipt of written notice from the other party; provided further, if the breach is of such a nature that it is impossible to cure within such thirty day period, the Agreement may not be cancelled so long as the breaching party continues to diligently pursue a cure, unless such breach relates to the inability of Contractor to accept Refuse at the licensed solid waste facility as a result of the cancellation or suspension of its permit by the Illinois Environmental Protection Agency.

7. **Compensation:**

   a. In consideration for the Work, the City agrees to pay Contractor the appropriate rate set forth on Exhibit A for each ton of Refuse delivered to the licensed solid waste facility. The Rate shall apply regardless of whether the Refuse delivered by the City to Contractor is loose or compacted. City agrees that any delivery of Refuse by City to Contractor shall be deemed to be at least one (1) ton per vehicle.

   b. Whenever the licensed solid waste facility remains open past closing time solely because of a request of the City, the City shall pay Contractor an hourly rate set forth on Exhibit A for any actual time the facility remains open; provided,

however, that this charge shall not be applied if the reason the City requested the facility to remain open was to dispose of Refuse resulting from fires, floods, explosion, accidents, weather or Acts of God.

c. At no time during the term of this Agreement, including any renewal term, shall any fine or penalty entered against Contractor for any breach or violation of any Federal, State or local law, statue, ordinance, rule or regulation, be passed through to the City.

d. Contractor shall invoice the City and Town separately for Refuse delivered to the licensed solid waste facility, on a semi-monthly basis, for the total quantity of Refuse delivered to the facilities covered by this Agreement by city or town.

e. All invoices sent to the City, by the Contractor, shall be paid within thirty (30) days after approved by the City Council, provided, however, in the event of any dispute as to any invoice, the City will pay the amount that is not in dispute, and will undertake discussions and negotiation with Contractor to resolve any discrepancy or dispute in any invoice, and shall, upon resolution of any discrepancy or dispute, pay said agreed upon amount as soon as reasonably possible. In order to enable the parties to reach a resolution of any discrepancy or dispute, Contractor shall maintain records indicating, in sufficient detail, dates, truck numbers, amounts, tonnages, etc. including in each invoice and shall make available such records to the City in the event of any discrepancy or dispute concerning any invoice.

8. **Specific Performance:**
The parties hereto agree that substitute performance of the Work will be difficult or impossible to obtain without undue hardship or extreme expense to either party, and in the event Contractor or City fails or Refuses to perform the Work hereunder, the parties hereto agree that the other party has an inadequate remedy at law. Therefore, Contractor or City may be compelled to specifically perform the Work under this Agreement.

9. **Independent Contractor:**
It is understood and agreed that Contractor is an independent Contractor.

10. **Insurance:**
The parties shall maintain in full force and effect throughout the term of this Agreement the following types of insurance in at least the limits specified below:

Coverage	Minimum Limits of Liability
Workers Compensation	Statutory
General Liability	$1,000,000 combined single limit
Automobile Liability	$1,000,000 combined single limit
Environmental Liability for Third party Bodily Injury Or Property Damage Arising	$1,000,000

From Contractor's Cargo Due
To Upset, Overturn, or
Damage to vehicle

The parties shall provide one another with a certificate of insurance and shall keep this insurance in effect during the term of this Agreement; provided, in the event City uses its governmental powers to enter into a pooled insurance arrangement or self-funded insurance arrangement; such arrangement shall be deemed to be in compliance with the requirements of this section.

11. **Equal Opportunity:**
It is the affirmed policy of the City to encourage utilization of the community's human resources on an equal opportunity basis. The City requires all contractors and vendors doing business with the City not to discriminate against anyone on the basis of race, age, color, religion, gender, ancestry, national origin, marital status, mental or physical disability unrelated to ability, familial status or sexual orientation. To accomplish this result, all contractors doing or proposing to do business with the City will be required to submit on request an acceptable written affirmative action plan for the utilization of all available workers on an equal opportunity basis. Contractor hereby agrees, as a material part of the Agreement, to comply with the City of Bloomington Contract Compliance Program, Section I, Paragraph (3), titled "Equal Employment Opportunity".

12. **Notices:**
All notices to be given hereunder by either party shall be in writing and given by personal delivery or certified mail to the parties at the addresses as hereinafter set forth. For purposes of calculating time periods under the provisions of this Agreement, notice shall be deemed effective upon receipt or personal delivery, whichever is applicable.

13. **Governing Law:**
This agreement and the rights of the parties hereunder shall be governed by and interpreted in accordance with the laws of the State of Illinois.

14. **Other Refuse Collected:**
The City shall retain the right to dispose of "other" Refuse, spoil, bulky waste, leaves, grass, as is determined to be in the best interest of the City.

15. **Successors and Assigns:**
This agreement shall be binding upon and shall inure to the benefit of all successors and assigns of Contractor and City.

16. **Contractor Certifications:**
Contractor hereby certifies that the representations set forth on Exhibit B are true and correct and form a material part of this Agreement.

17. **RFP Documents:**
The request for proposals issued by City and the response provided by Contractor are attached hereto by reference and form a part of this Agreement.

18. **Entire Agreement:**
This Agreement supersedes all prior oral understandings and constitutes the entire agreement between the parties with respect to the subject matter herein.

19. **Severability:**
If any provision of this Agreement is held invalid by a court of law, the remainder of this Agreement shall not be affects thereby unless the invalidity of part substantially alters the business terms of the original Agreement.

20. **No Third Party Beneficiary:**
This Agreement is for the sole benefit of the parties and nothing herein is intended to confer upon any third party any legal or equitable right, benefit or remedy whatever under or by reason of this Agreement.

21. **Amendments:**
This Agreement may only be amended in writing signed by each party hereto.

22. **Delay No Waiver:**
No waiver by any party of any of the provisions hereof shall be effective unless reduced to writing and signed by the party so waiving. No delay or failure to exercise any right, remedy or power under this Agreement shall operate or be construed as a waiver.

IN WITNESS WHEREOF, the parties have executed this Agreement as of the date first written above.

CITY OF BLOOMINGTON

BY_____

ATTEST:

_____

TOWN OF NORMAL

BY_____

ATTEST:

_____

REPUBLIC/ALLIED

BY _____

ATTEST:

EXHIBIT A

COMPLETING THIS PAGE IS MANDATORY
RFP #2014-38 RESPONSE FORM

SOLID WASTE DISPOSAL SERVICES
FOR THE CITY OF BLOOMINGTON AND THE TOWN OF NORMAL

The offeror agrees to contract with the City of Bloomington and Town of Normal to provide all necessary labor, supervision, machinery, tools, apparatus, documents and any other means to do all the work and furnish all the materials specified in the proposal in the manner and time therein as set forth by the proposer and that the proposer will take in full payment the amount set forth hereon. The cost of all labor, material and equipment necessary for the completion of the proposed work, even though not shown or specified, shall be included in the total price for the various items shown herein.

We further agree to complete all of the above work in a complete, neat, and workmanlike manner. Payment of prevailing wage rates as predetermined by the Bloomington City Council pursuant to the Prevailing Wage Ordinance 2012-21 is acknowledged.

The offeror certifies by signature below that it has not been barred from contracting with a unit of State or Local government in the State of Illinois as a result of a violation of Section 33E-3 or 33E-4 of the Criminal Code of 1961, as amended.

DESCRIPTION	AMOUNT	
Solid Waste Disposal (3/1/2014 to 2/29/2016)	$ 46.46	per Ton
After Hours Operation (3/1/2014 to 2/29/2016)	$ 22.34	per hour - per person
Cost for Five (5) Year Period After expiration of Original Agreement		
Solid Waste Disposal (3/1/2016 to 2/28/2017)	$ 48.55	per Ton
Solid Waste Disposal (3/1/2017 to 2/28/2018)	$ 50.01	per Ton
Solid Waste Disposal (3/1/2018 to 2/28/2019)	$ 51.51	per Ton
Solid Waste Disposal (3/1/2019 to 2/29/2020)	$ 53.06	per Ton
Solid Waste Disposal (3/1/2020 to 2/28/2021)	$ 54.65	per Ton
After Hours Operation (3/1/2016 to 2/28/2017)	$ 23.25	per hour - per person
After Hours Operation (3/1/2017 to 2/28/2018)	$ 23.95	per hour - per person
After Hours Operation (3/1/2018 to 2/28/2019)	$ 24.67	per hour - per person
After Hours Operation (3/1/2019 to 2/29/2020)	$ 25.41	per hour - per person
After Hours Operation (3/1/2020 to 2/28/2021)	$ 26.17	per hour - per person

Republic / Bloomington Transfer
Firm

Authorized Signature

2112 W. Washington St.
Address

Bloomington IL 61705
City State Zip

309-828-3384
Phone Number

1-27-2014
Date

Email Address: dwinters@republicservices.com

25

EXHIBIT B
Contractor Certification
For Services

Contractor on behalf of contractor, its principals, and owners with more than a seven and one half percentage interest in Contractor certifies that the following representations are true and correct and further agrees as a condition of doing business with the Town of Normal to require all of Contractor's subcontractors and sub-subcontractors to certify that the following representations are true and correct for each subcontractor and sub-subcontractor:

1. CONFLICT. Contractor certifies that no Town of Normal officer or employee has any interest in the proceeds of this contract.
2. BRIBERY. Contractor certifies that same has not committed bribery or attempted bribery of an officer or employee of any governmental official whether on the federal, state or local level.
3. DEBARMENT. Contractor certifies that same has not been barred from conducting business with any governmental unit whether federal, state or local.
4. SARBNES-OXLEY. Contractor certifies that the business entity its officers, directors, partners, or other managerial agents of the business have not been convicted of a felony under the Sarbanes-Oxley Act of 2002 nor have any of the same been convicted of any felony under state or federal securities laws.
5. BID RIGGING/BID ROTATING. Contractor certifies that same has not been barred from contracting with any unit of state or local government as a result of a violation of 720 ILCS 5/33E-3 (bid-rigging) or 720 ILCS 5/33E-4 (bid-rotating).
6. DELINQUENT PAYMENTS. Contractor certifies that same is not delinquent in the payment of any debt or tax due the State or the Town of Normal.
7. RECORDS. Contractor certifies that same shall maintain books and records relating to the performance of this contract as necessary to support amounts charged under the contract for a period of three (3) years from the later of the date of final payment under the contract or completion of the contract.
8. HUMAN RIGHTS ACTS. Contractor agrees to comply with applicable provisions of the Town of Normal Human Rights Ordinance, the Illinois Human Rights Act, the U.S. Civil Rights Act and the Americans with Disabilities Act.
9. NON-DISCRIMINATION. Contractor certifies that the same is an "Equal Opportunity Employer" as defined by Section 2000 (e) of Chapter 21, Title 42 U.S. Code Annotated and applicable Executive Orders.
10. DBE. Contractor certifies that same is or is not (please circle applicable designation) a Minority and Female Business Enterprise as defined by the State of Illinois (30 ILCS 575/et seq.)
11. PATRIOT ACT. Contractor certifies that same is in compliance with the Patriot Act and Executive Order 13224 and federal Anti-Money Laundering Control Act of 1986 as amended.

12. AMERICAN RECOVERY AND REINVESTMENT ACT. Contractor certifies that same is in compliance with and will continue to comply with the American Recovery and Reinvestment Act of 2009 when federal funds are used pursuant to this Act for the work undertaken by Contractor.
13. TAXPAYER IDENTIFICATION. Contractor certifies that its correct Federal Taxpayer Identification Number (Social Security Number or Federal Employer Identification Number) is _____.
14. To the extent required by Illinois law Contractor agrees to comply with the Illinois Freedom of Information Act and produce upon request public records of the Town of Normal held by such contractor all within the time allowed by law and subject to applicable exemptions allowed by law.

Contractor hereby agrees to defend, indemnify and hold harmless the Town of Normal its officers, employees and agents from and against any and all claims, damages, losses, risks, liabilities, and expenses (including reasonable attorneys' fees and costs) arising from or related to any breach of the foregoing representations and warranties.

Done this _____ day of _____, 20____.

_____
Contractor

MCLEAN COUNTY SOLID WASTE PROGRAM

2016 ANNUAL REPORT

ECOLOGY ACTION CENTER

THE ECOLOGY ACTION CENTER HAS COMPLETED THE FOLLOWING ITEMS IN FULFILLMENT OF THE SOLID WASTE AND WASTE REDUCTION EDUCATION PROGRAM AGREEMENT OF JANUARY 1, 2014.

LEADING INDICATORS: SUMMARY OF PROGRESS[1]

Goal: *Visit **70%** of eligible classrooms in McLean County, Bloomington, and Normal for elementary school recycling and waste reduction education programs. Reaching this target means directly engaging with approximately 1,500 students.*

- ☑ There are 90 Fourth grade classrooms in McLean County, which includes all public and private schools. ***In 2016, we made visits to 89 4th grade classrooms, and reached 2,221 people.*** *While this figure seems to indicate that we visited virtually all 4th grade classrooms, we actually visited some teachers in the spring of 2016 and again in the fall of 2016. Those teachers would be counted twice, but they had different students in the fall.* **Goal exceeded.**

Goal: *Visit **60%** of public libraries within McLean County, Bloomington and Normal and provide a summer reading program on recycling and waste reduction topics. Reaching this target means directly engaging with approximately 300 library patrons.*

- ☑ We visited 9 of the 14 public libraries in McLean County in the summer of 2016, and educated 379 people. This represents **64%**, which exceeds our goal.

Goal: *Provide recycling and waste reduction education programs at **80%** of after school programs, reaching approximately 200 students. This year's target group includes 8 after school programs.*

- ☑ In 2016, we visited 8 after school programs with a total of 421 students. We reached **100%** of targeted schools; goal exceeded.

Goal: *Provide recycling and waste reduction presentations for **25** local groups or approximately 750 individuals including civic groups, scouts, preschools, non-target school groups, university classes.* [2]

- ☐ In 2016, EAC staff presented **20** programs for these qualifying groups to 491 people. Goal not reached due to presentations to community groups on other EAC program topics.

Goal: *Promote recycling and sustainable practices to direct audiences utilizing social media channels including Facebook, Twitter, LinkedIn, and YouTube with a target of **30,000** interactions annually.*

- ☑ In 2016, our social media posts resulted in **71,711** interactions, representing 239% of our goal.

[1] The totals below represent Year-To-Date numbers. Specific details of this Quarter's activities are described on the pages that follow.
[2] In practice the EAC provides these programs for nearly 100% of those requesting the services.

Goal: *Provide and promote comprehensive online resources on recycling and waste disposal for Bloomington, Normal, and McLean County with a target of* ***12,000*** *visits to these pages annually.*

☑ Estimated YTD totals: **35,027** visits, which exceeds our goal.

SOLID WASTE MESSAGING:

2016 TOTAL REACH: 405,182 INTERACTIONS

DIRECT (PROGRAMS, EVENTS, PHONE INQUIRIES): 18,444
MEDIA (NEWSPAPER, RADIO, SOCIAL MEDIA, WEB): 386,738

LAGGING INDICATOR

As the main goals of the McLean County Solid Waste Program are to increase recycling while increasing source reduction, the annual measurement and reporting of these rates by the EAC can act as lagging indicators of the success of outreach efforts. However, the value of this performance indicator is also limited by other factors impacting recycling and waste generation rates, such as accessibility of recycling programs and macroeconomic forces. While quantifying source reduction of municipal solid waste is problematic, tracking recycling rates is much more reliable. Per the 2012 Five Year Update to the McLean County Integrated Solid Waste Management Plan, the county-wide recycling rate goal is currently set at 40%, which will also serve as the EAC's target for purposes of this indicator.

The 2015 recycling rate fell by 1.2 percentage points from 2014 to 36.5%. At less than 0.1% variation from the average of the recycling rate average during past nine years, this is understood to represent no significant change.

HOUSEHOLD HAZARDOUS WASTE (HHW) COLLECTION

- Initiated planning for fall 2017 Household Hazardous Waste Collection early due to significant changes in host site availability. Spent several months negotiating access to multiple possible alternative event locations.
- Negotiated potential major sponsorship from a locally based organization.

SOLID WASTE COORDINATOR ACTIVITIES

- Ongoing efforts in development of a new twenty-year McLean County Integrated Solid Waste Management Plan. Extensive research conducted into solid waste management strategies prior to the creation of three focus groups to brainstorm and prioritize strategies. Led twelve collaborative discussions towards group consensus on possible strategies for inclusion in the draft solid waste plan. Stakeholder groups formed and will meet in early 2017 to address a few remaining key issues before drafting the proposed new solid waste plan.
- Hosted state-wide e-waste meeting for Illinois electronics waste recycling working group.

- Facilitated quarterly Solid Waste Technical Committee Meetings including updates on solid waste planning process.
- Reviewed multiple solid waste permit applications from Illinois EPA on behalf of McLean County.
- Working towards implementation of new online recycling and waste database application to facilitate even easier distribution of information on local recycling programs.
- Two staff members attended the Illinois County Solid Waste Management Association annual conference.
- Solid Waste presentation given to Bloomington's City Council on current solid waste plan efforts, EAC solid waste outreach program reach, and estimated lifespan of the current McLean County Landfill.
- Coverage by multiple media outlets (WGLT, WMBD) of declining landfill capacity and EAC's solid waste plan efforts.
- Participation in ongoing efforts with the Illinois Product Stewardship Council to improve e-waste recycling regulations.

COMMUNITY-WIDE WASTE GENERATION AND RECYCLING RATE

- Surveyed area waste haulers, recyclers, municipalities, and institutions to gather data for calculation of county-wide 2015 municipal solid waste generation rate and recycling rate.
- 91,866 tons of municipal solid waste were recycled in McLean County in 2015, representing more waste materials recycled than any time in the past six years. Unfortunately, total waste generated and landfilled also increased resulting in a minor decline in the overall recycling rate relative to waste generated. **The 2015 recycling rate fell by 1.2 percentage points from 2014 to 36.5%. At less than 0.1% variation from the average of the recycling rate average during past nine years, this is understood to represent no significant change.**
- **McLean County remains fairly close to the community-wide recycling goal of 40%.** This goal is established within the McLean County Integrated Solid Waste Management Plan, which is updated every five years. **However, with the rate showing no measurable progress in nine years, it is now evident that additional measures are critical for any improvement.**
- In addition to striving to meet the established goal, making additional progress in source reduction and further increased recycling is becoming increasingly important as it is estimated that one year of capacity remains in the McLean County Landfill. Upon closure of the landfill, waste will need to be transported farther from Bloomington-

Normal, which is anticipated to increase costs. Delaying the inevitable landfill closure through more assertive waste management strategies can help conserve local financial resources.

	2007	2008	2009	2010	2011	2012	2013	2014	2015
Total MSW Recycled (tons)	93,065	98,220	80,217	80,541	71,099	66,737	73,833	85,196	91,866
Total MSW Landfilled (tons)	164,101	163,202	148,089	134,325	136,927	116,290	121,991	141,068	159,989
Total Municipal Solid Waste Generated (tons)	257,166	261,422	228,306	214,866	208,026	183,079	195,824	226,264	251,855
Percent Change from Previous Year	9.3%	1.7%	-12.7%	-5.9%	-3.2%	-12.0%	7.0%	15.5%	11.3%
Recycling Rate	**36.2%**	**37.6%**	**35.1%**	**37.5%**	**34.2%**	**36.5%**	**37.7%**	**37.7%**	**36.5%**
Percent Change from Previous Year	12.1%	3.8%	-6.5%	6.8%	-8.8%	6.7%	3.3%	0.0%	-3.2%

EDUCATION AND OUTREACH

- **Earth Schools Recycling and Waste Reduction Fourth Grade presentations:**

Bent (4 classes, 95 people)
Benjamin (3 classes, 90 people)
Calvary Christian (2 classes, 39 people)
Carlock (1 class, 22 people)
Cedar Ridge (4 classes, 104 people)
Cornerstone (2 classes, 39 people)
Epiphany (1 class, 32 people)
Fairview (2 classes, 48 people)
Fox Creek (5 classes, 115 people)
Glenn (2 classes, 49 people)
Grove (4 classes, 125 people)
Heyworth (4 classes, 90 people)
Colene Hoose (3 classes, 78 people)
Hudson (2 classes, 45 people)
Irving (3 classes, 74 people)
LeRoy (3 classes, 69 people)
Lexington (2 classes, 53 people)
Metcalf (2 classes, 52 people)
Northpoint (4 classes, 115 people)
Oakdale (3 classes, 79 people)
Oakland (3 classes, 75 people)
Olympia North (Danvers) (2 classes, 52 people)
Parkside (3 classes, 64 people)
Pepper Ridge (3 classes, 72 people)
Ridgeview (Colfax) (2 classes, 48 people)
St Mary's (1 class, 8 people)
Sheridan (3 classes, 73 people)
Stevenson (3 classes, 78 people)
Sugar Creek (2 classes, 61 people)
Tri Valley (Downs) (3 classes, 75 people)

Trinity Lutheran (2 classes, 32 people)
Washington (6 classes, 170 people)
2016: Total schools: 32; Total classrooms 89; people: 2221

- **Other K-12 School activities:**
  - Solid waste reduction and recycling programs for
    - Pepper Ridge Family Reading Night (2 presentations, 85 participants)
    - Unit 5 High Schools (2 programs, 42 participants)
    - Calvary Christian Daycamp (1 program, 14 participants)
  - Recycling programs featuring clip for movie "Wall-E" and games at 8 elementary school After School Programs: Grove, Oakdale, Colene Hoose, Sugar Creek, Glenn, Parkside, Fairview & Prairieland (8 programs, 421 participants)
  - Participated in "Earth Run" organized by Normal Community High School students; gave presentation to runners; proceeds to benefit the EAC.
- **Preschool Garbage Monster Presentations:**
  - Waste Reduction/Recycling program for Mulberry School (2 presentations, 53 participants)
- **Scout activities:**
  - Program for Brownie Scouts from Hudson (1 program, 10 participants)
  - Program for Scouts (1 program, 10 participants)
  - Program for Scouts at EAC (1 program, 9 participants)
- **University Programs:**
  - Presentation for ISU Student Environmental Health Association (45 participants)
  - Presentation for two Environmental Sciences classes at Illinois Wesleyan (42 participants)
- **Community solid waste reduction programs and information booths:**
  - Booth at Sugar Creek Arts Festival, plus distributed refillable bottles to artists (173 people)
  - In partnership with Midwest Fiber offered food waste composting and recycling at Sweet Corn Blues Festival along with an information booth (1,075 booth visitors)
  - Participated in Wellness Fairs at Country/Growmark/IAA (2 events, 186 people)
  - Solid waste reduction and recycling program for St John's Lutheran group (53 participants)
  - State Farm Earth Day event (3 events, 120 people)
  - City of Bloomington Health Fair (70 people)
  - Participation in Downs Community Breakfast event with booth about recycling (10 participants)
  - Information booth at David Davis Glorious Garden Fest (2 days, 219 people)
  - Light the Night event in Uptown Normal (26 people)

- Information booth at ISU Wellness Fair (39 people)
- Information booth at ISU Horticulture Center Autumn Fest (20 people)
- Booth at McLean County Chamber of Commerce non-profit showcase (220 people)
- Connect Transit Employee Health Fair

- **Library Programs:**

  "The Lorax" presentation, including information about waste reduction and composting, at Bloomington Library (42 participants), Normal Library (21 participants), Colfax (13 participants), Danvers (10 participants), Heyworth (55 participants), Hudson (46 partifcipants), LeRoy (85 participants), McLean (62 participants), and Towanda (45 participants).

- **Other Programs:**
  - Presentation at PEO Club (35 participants) with emphasis on waste reduction
  - Recycling and waste reduction program co-sponsored by Mid Central Community Action
  - Program for Daybreak Rotary group covering many solid waste topics (15 participants)
  - Presentation at Westminster Village (30 participants) with emphasis on waste reduction
  - Program for University Club – 16 people

OTHER ACTIVITIES

- Produced four quarterly EAC paper newsletters featuring solid waste issues among other topics. Mailed each issue to approximately 270 households.
- Sent monthly issues of the EAC Action News email newsletters to over 900 email addresses to promote general recycling and waste reduction; issues were also targeted to timely events such as HHW, recycling, vermicomposting and more.
- Promoted waste reduction, recycling, composting and proper disposal of household hazardous wastes through social media. EAC posted messages on its Facebook, Twitter, LinkedIn, and YouTube accounts on solid waste topics, with a resulting 71,711 views of these posts.
- Answered 802 phone calls and other inquiries about the disposal of household hazardous waste and recycling.
- Received 35,027 to solid waste, recycling, and hazardous waste related pages within EAC's website.
- Administration and promotion of McFreecycle, a free listserv on the internet for the free exchange of materials in McLean County to avoid disposal of useable items. (2,082 current members with an average of 198 messages exchanged monthly).
- Awarded the annual McLean County Green Awards in June. The McLean County Waste Reduction and Recycling Award recognized The Bloomington-Normal Marriott. The McLean County World of Difference Award was presented to General Manager Jeff Pritts of the Bloomington-Normal Marriott.

- Co-sponsored the Illinois Sustainable Living and Wellness Expo (ISLWE) at IWU – 3000 participants. This year's event was purposefully designed to model "zero-waste" event planning: much of the literature was presented electronically instead of paper hand-outs, and vendors were encouraged to not distribute extraneous trinkets. Event was publicized on WJBC and WGLT, with advertisements and interviews, reaching nearly 50,000 area residents.
- Promoted and participated in Bloomington-Normal Clean Up Day in April, removing trash from a 1.6 mile stretch of Sugar Creek from Tipton Park to Audubon Gardens; Clean-Up Week was promoted on WGLT interview and through social media posts and paid advertisements.
- Promoted nontraditional recycling programs through annual America Recycles Day Mega Recycling Event in partnership with Illinois Wesleyan University in November. Over 415 households recycled thousands of pounds of electronics, textiles, paper (shredded), and miscellaneous items including eyeglasses, hearing aids, plastic shopping bags, mattresses and Terracycle items. Each participant was given local listings for recycling these items anytime throughout the year.

- Executive Director was interviewed on WGLT concerning America Recycles Day and next year's plans for Household Hazardous Waste collection event. Approximately 5,000 listeners. Also had coverage for America Recycles Day event on WJBC and in Pantagraph.
- Held MEGA Recycling event in conjunction with the Illinois Sustainable Living and Wellness Expo at IWU in April. Over 200 households recycled electronics, textiles, Terracycle items, and corrugated plastic signs; participants were given information about recycling these items in our community throughout the year.
- EAC sponsored Earth Day on WJBC resulting in extensive coverage with hourly spots and an extensive live interview on both WJBC and WBNQ covering many solid waste topics; over 25,000 listeners.
- Executive Director was guest on pre-Earth Day edition of WGLT's "Sound Ideas" with topics including solid and hazardous waste. Approximately 5,000 listeners. Followed up with Earth Day promotional underwriting spots on WGLT.
- Full page ad in The Pantagraph on Earth Day listing the many resources the EAC provides to our community, including information about solid waste, recycling, and household hazardous waste.

- June interview on WGLT's Sound Ideas regarding solid waste planning process, recycling rate, landfill closure, and recycling Q&A.
- June interview on WJBC about recycling rate and other waste issues.
- Held six build-your-own composter workshops with a total of 19 participants making bins to use at home and receiving full instruction on best composting practices.
- Loan of special event recycling containers to Boy Scouts for May events and IWU for graduation events.

Appendix F: 2016 McLean County Waste Generation and Recycling Rate

PRESS RELEASE
For immediate release
June 26, 2017

Contact: Michael Brown
Phone: (309) 454-3169 x.11

2016 McLean County Recycling Rate Exceeds 10-year old Goal

While total volumes of waste recycled and waste generated decreased in 2016 in McLean County in comparison to 2015 rates, the community finally met a long-standing recycling rate goal. Nearly 42% of municipal solid waste generated in McLean County in 2016 was recycled; this is the first time the county reached the 40% community-wide recycling since increasing the goal in 2007. The 40% goal was set to continue to drive improvements in local recycling programs after the county met state mandated recycling goals of 15% and 25%.

Action by the City of Bloomington and Town of Normal to contract with Henson C & D Recycling to recycle "bulky waste" or large items such as old furniture or materials from remodeling projects was a key factor in reaching the 40% recycling goal. Previously all of these items were landfilled; starting in April 2016, the materials were recycled through the construction and demolition recycling facility owned and operated by Henson Disposal. This resulted in a significant jump in the recovery rate of these materials from approximately 4% to an estimated 21%.

	2012	2013	2014	2015	2016
Total MSW Recycled (tons)	66,737	73,833	85,196	91,866	73,760
Total MSW Landfilled (tons)	116,290	121,991	141,068	159,989	103,459
Total Municipal Solid Waste Generated (tons)	183,079	195,824	226,264	251,855	177,219
Percent Change from Previous Year	*-12.0%*	*7.0%*	*15.5%*	*11.3%*	*-29.6%*
Recycling Rate	**36.5%**	**37.7%**	**37.7%**	**36.5%**	**41.6%**
Percent Change from Previous Year	*6.7%*	*3.3%*	*0.0%*	*-3.2%*	*14.1%*

With less than one year of capacity left in the McLean County Landfill, more assertive strategies can make waste management more cost-effective in the long term. The Ecology Action Center is currently completing an entirely new waste management plan for McLean County, the City of Bloomington, and the Town of Normal. This plan

will outline strategies to further increase recycling and waste reduction for the next two decades.

The Ecology Action Center annually collects waste and recycling data to calculate the amount of municipal solid waste generated and recycled for all of McLean County as a lagging indicator of the impact of local recycling and outreach programs. Among other services, the EAC acts as the solid waste agency for Bloomington, Normal, and McLean County and provides technical assistance, recycling promotion, nontraditional recycling program administration, household hazardous waste coordination, education and outreach.

Information on residential recycling, recycling of nontraditional materials, and information on disposal of household hazardous wastes is available by calling (309) 454-3169 or visiting ecologyactioncenter.org.

The Ecology Action Center is a not-for-profit environmental agency with a mission to inspire and assist residents of McLean County in creating, strengthening and preserving a healthy environment. The EAC acts as a central resource for environmental education, information, outreach, and technical assistance in McLean County.

# # #

Appendix G: Plan Review Process

The formal review process of this plan began at the August 30, 2017 meeting of the McLean County Solid Waste Technical Committee. A unanimous vote to recommend the vote for approval was made by representatives of the City of Bloomington, the Town of Normal, McLean County Building and Zoning, McLean County Administration, McLean County Health Department, and McLean County Regional Planning Commission.

Per the Illinois Solid Waste Planning and Recycling Act Section 5. (c):

> *Prior to adoption by the governing body of the county, the county shall submit copies of the proposed plan for review and comment to the Agency, all municipalities within the county, all areawide planning agencies and the county health department. The county shall also make the proposed plan available for public review and comment. The period for review and comment shall be 90 days. The county shall hold at least one public hearing on the proposed plan during this period. The plan subsequently submitted to the governing body of the county for adoption shall be accompanied by a document containing written responses to substantive comments made during the comment period.*

Informational presentations on the plan were made to multiple public agencies including:

- McLean County Land Use Committee (September 7, 2017)
- Normal Town Council (October 2, 2017)
- McLean County Regional Planning Commission (October 4, 2017)
- Bloomington City Council (October 9, 2017)

Copies of the plan were distributed to all other municipalities in McLean County:

Anchor	Gridley
Arrowsmith	Heyworth
Bellflower	Hudson
Carlock	Leroy
Chenoa	Lexington
Colfax	McLean
Cooksville	Saybrook
Danvers	Stanford
Downs	Towanda
Ellsworth	

A copy of the plan was sent to the Illinois EPA for review and comment on November 16, 2017. No feedback has been received as of December 21, 2017.

ECOLOGY ACTION CENTER

Michael Brown <mbrown@ecologyactioncenter.org>

solid waste plan draft

Michael Brown <mbrown@ecologyactioncenter.org> Thu, Nov 16, 2017 at 11:21 AM
To: Ellen Robinson <ellen.robinson@illinois.gov>

Ellen,

Please find the pdf of the proposed 20-Year Materials Recovery and Resource Management Plan for McLean County, Bloomington, and Normal, Illinois on our website at https://ecologyactioncenter.org/wp-content/uploads/2017/09/2017%20ISWMP%2010.3.17%20HD.pdf. We are midway through the mandated 90-day public comment period for this new solid waste plan. Per the Illinois Solid Waste Planning and Recycling Act, I request any feedback from the Illinois EPA on the proposed plan at this time. Public comment ends at the beginning of the new year at which point the local approval process of the plan will take place. Any feedback that we can incorporate prior to that approval would be appreciated.

Thank you,

Michael

Michael Brown
Executive Director
309-454-3169 x.11

ECOLOGY ACTION CENTER

Appendix H: Public Hearing Notice

Pantagraph Publishing

The Pantagraph
301 WEST WASHINGTON St. P.O. BOX 2907
BLOOMINGTON, ILLINOIS 61702-2907
PHONE 309-829-9000

Certificate of Publication

MCLEAN CO DEPT OF BUILDING AND
ZONING
115 East Washington Street
Room M102
BLOOMINGTON, IL 617022400

ACCOUNT #	60060360	**DATES APPEARED**
AD ORDER #	20920826	11/18/2017
INVOICE DATE	11/18/2017	
AMOUNT	101.32	

Paste Tear Sheet Here

STATE OF ILLINOIS,
COUNTY OF MCLEAN } **SS:**
CITY OF BLOOMINGTON

The Pantagraph Publishing Co. hereby certifies that it is now and has been for more than one year continuously, d/b/a **The Pantagraph**, a daily secular newspaper of general circulation in said County, published in the City, County and State aforesaid, and further certifies that said newspaper has been continuously published at regular intervals of more than once each week with more than a minimum of fifty issues per year for more than one year prior to the first publication of the notice, and further certifies that **The Pantagraph** is a newspaper as defined by the Statutes of the State of Illinois in such cases made and provided, and further hereby certifies that a notice of which the annexed notice is a true copy, has been regularly published in said paper.

By _____

Date 11/20/17

20920826
COUNTY SOLID WASTE .
NOTICE
NOTICE is given that a public hearing will be held on Thursday, December 7, 2017 at 3:30 P.M. in Room 400, Government Center, 115 E. Washington St., Bloomington, IL concerning a recommendation of the McLean County Solid Waste Management Technical Committee to approve a 20-Year Materials Recovery and Resource Management Plan for McLean County, Bloomington, and Normal, Illinois.
This 20-Year Solid Waste Management Plan is available for review at the McLean County Clerk's Office in Room 102, Government Center, 115 E. Washington St., Bloomington, IL and on the McLean County website at http://www.mcleancountyil.gov/

Appendix I: Public Hearing Testimonies

Minutes of the Land Use and Development Committee Meeting

The Land Use and Development Committee of the McLean County Board met on Thursday December 7, 2017 at 3:30 p.m. in Room 400, Government Center, 115 E. Washington Street, Bloomington, Illinois.

Members Present:	Chairman Erickson, Members, Wollrab, Wendt, Beard, and Scritchlow
Members Absent:	Member Johnson
Other Board Members Present:	None
Staff Present:	Mr. Bill Wasson, County Administrator, Mr. Don Knapp, Assistant County Administrator, Ms. Jessica Woods, First Assistant State's Attorney , Civil, Ms. Diana Hospelhorn, Recording Secretary
Department Heads/ Elected Officials Present:	Mr. Phil Dick, Director of Building and Zoning,
Others Present:	Mr. Michael Brown, Director of Ecology Action Center

Chairman Erickson called the meeting to order at 3:33 p.m. He presented the Minutes from the Land Use and Development Committee for the November 2, 2017 meeting. He asked for any additions or corrections.

> Motion by Cavallini/Beard to recommend approval of the November 2, 2017 Land Use and Development Committee Meeting.
> Motion carried.

Chairman Erickson presented the bills from November 30, 2017, which have been reviewed and recommended for transmittal to the Land Use and Development Committee by the County Auditor. The prepaid total and fund total for November 30, 2017 is $859.50. He asked for any objections to the bills.

Land Use Committee

MCLEAN COUNTY BOARD COMMITTEE REPORT PAGE 1 OF 2

AS OF 11/30/2017

EXPENDITURE SUMMARY BY FUND

FUND	FUND TITLE	PENDING TOTAL	PREPAID TOTAL	FUND TOTAL
0001	GENERAL FUND		$859.50	$859.50
			$859.50	$859.50

COMMITTEE CHAIRMAN

Motion by Scritchlow/Beard to recommend approval of the November 30, 2017 Land Use and Development Committee bills.
Motion carried.

Chairman Erickson stated that the first item for action is the request by April and John C Becker for a waiver of preliminary plan requirements and a one-lot subdivision final plat for the April subdivision, file No. S-17-05.

Mr. Phil Dick, Director of Building and Zoning presented a pictorial, referring to the aerial phot of the April Subdivision. He presented information regarding the one-lot parcel located at 9321 N 150 East Road, in Stanford. The parcel contains a dilapidated single-family residence and land in crop production. The applicants plan to build a new single-family residence. They have obtained a plat access certificate from the Allin Township Road Commissioner. Mr. Dick advised that the County Engineer and Health Department, and Staff all recommend approval of the request.

Motion by Wendt/Cavallini to recommend approval of the request by April and John C Becker for a waiver of preliminary plan requirements and a one-lot subdivision final plat for the April subdivision, file No. S-17-05.
Motion carried.

Chairman Erickson presented the request by Michael Cone for a waiver of preliminary plan requirements and a one-lot subdivision final plat for the Cone Subdivision, File S-17-06.

Mr. Dick advised that the 2.56 acre parcel is located at 34937 E 2800 North Road, Chenoa, IL in Yates Township. The parcel currently contains a single-family residence, a barn, three machine sheds and an access easement. The applicant will need to obtain a plat access certificate from the Yates Township Road Commissioner. Mr. Dick advised that the County Engineer and Health Department, and Staff all recommend approval of the request. Mr. Tom Jennings represents the applicant and is here if the Committee has any questions.

> Motion by Wendt/Wollrab to recommend approval of the request by Michael Cone for a waiver of preliminary plan requirements and a one-lot subdivision final plat for the Cone Subdivision, File S-17-06.
> Motion carried.

Chairman Erickson continued with the request by Miller Rental, LLC, for a waiver of preliminary plan requirements and a two-lot subdivision final plat for the Miller Storage Subdivision, File S-17-07.

Mr. Dick stated that the two-lot parcel is located at 2717 N Main Street, Normal, IL. Lot 1 is 4.1 acres and currently contains a self-storage facility. Lot 2 is 15.99 acres, and is currently vacant, and in crop production. The applicant wants to separate the Miller Storage Facility units from the other property. Mr. Dick advised that the County Engineer and Health Department, and Staff all recommend approval of the request.

> Motion by Wendt/Scritchlow to recommend approval of the request by Miller Rental, LLC, for a waiver of preliminary plan requirements and a two-lot subdivision final plat for the Miller Storage Subdivision, File S-17-07.
> Motion carried.

Mr. Erickson presented the request by Chuck and Brenda Hinrichsen for a waiver of preliminary plan requirements and a one-lot subdivision final plat for the G. St. Clair subdivision 2nd Addition, file No. S-17-08.

Mr. Dick advised that the 1.14-acre parcel is located at 837 E 2150 North Road, Danvers. The parcel currently contains a single-family residence and a barn. The applicant wants to set aside the farm dwelling. The applicant has a plat access certificate from the Downs Township Road Commissioner. Mr. Dick advised that the County Engineer and Health Department, and Staff all recommend approval of the request.

> Motion by Wendt/Cavallini to recommend approval of the request by Chuck and Brenda Hinrichsen for a waiver of preliminary plan requirements and a one-lot subdivision final plat for the G. St. Clair subdivision 2nd Addition, file No. S-17-08.
> Motion carried.

Chairman Erickson presented the Public Hearing for the Twenty-Year Solid Waste Plan for McLean County – The Ecology Action Center. He stated that Public notice of this hearing for the Twenty-Year Materials Recovery and Resource Management Plan for McLean County, Bloomington and Normal was published in the Pantagraph on November 18, 2017 as provided by law. The 90-day comment period on the plan began on October 5, 2017 and concludes on January 4, 2018. Chairman Erickson declared the Public Hearing for comment open at 3:37 p.m.

Mr. Don Knapp, Assistant County Administrator directed the public on the time they would be given to address the Committee. He stated that if public comment could not be completed in the next hour, the Public Hearing will be continued until Land Use and Development Committee's next meeting on January 4, 2018.

Chairman Erickson asked Mr. Michael Brown, Director of the EAC, to come to the table for any possible questions or comments.

Chairman Erickson directed the public to please sign in and state your name and address.

Ms. Ann Nadakavukaren, 9452 Deer Ridge Drive, Bloomington is representing the League of Women Voters. She stated that the League is concerned about the impact that solid waste has on air, land and water. The League of Women Voters of McLean County is an advocate for and integrated solid waste management strategy that encourages a regional approach to insure maximum waste reduction, adequate disposal capacity and a recycling reuse program for the entire community. The League of Women Voters is pleased to support the proposed 20 Year Materials Recovery and Resource Management Plan for McLean County. She advised that as the Government explores options for replacing lost revenue, the League points out that all of us are currently paying for disposal, a wasteful practice that is not the best for the environment. Choosing to spend more dollars on waste reduction and recovery is the best approach for the environment, and us now and for the future.

Ms. Cassie Metz, 808 S Linden, Normal, IL is an ISU Environmental Health Major. She supports the new plan especially for the implementation of recycling at the commercial apartment buildings. She advised that when recycling:

- not as many virgin materials are needed
- recycling reduces greenhouse gas emissions
- Hauling waste to a different landfill uses more fuel
- Recycling saves resources.

Ms. Metz referred to page 5 of the plan "Implementation should be managed to achieve the maximum net positive economic impact." She advised that surveys revealed that students do not have access to local recycling or the choice to recycle. It is inconvenient for students to use drop off locations because most students do not have cars. Ms. Metz believes that recycling should be a right. Many millennials are concerned about lowering our greenhouse gas emissions, conserving resources and in

general climate change. Students should not have to go out of their way to harm our environment less.

Mr. Chris Coulter, 5434 W. Stonebridge Court, Peoria, IL is the vice president of Area Disposal Service, Inc. He provided the history of his family owned waste hauling and recycling business for municipalities, commercial and industrial. He owns and operates two landfills to serve the region, Clinton Landfill and Indian Creek Landfill in Tazewell County. The American Disposal Service Landfill in McLean County has 700,000 cubic yards of capacity remaining. The combined disposal capacity of the Clinton and Indian Creek Landfill is over 72,000,000 cubic yards. Mr. Coulter advised that during the 20-year planning period, his facility would be able to accommodate the disposal needs for McLean County. He served as a member of the focus groups that helped to develop the 20-year plan. He is in support of and encourages approval of the proposed 20 Year Plan. Mr. Coulter referred to page 20 of the Plan, "The establishment of additional waste transfer stations could have multiple economic benefits including increased competition therefore more beneficial waste disposal rates or the possibility of new host agreements providing host fees as a new revenue source." Without this language any company wanting to develop a transfer station recycling center in McLean County, would have to go through a local citing approval process with the County or Municipality including nine criteria that have to be satisfied in order for a facility to be approved. Criteria 8 of Section 39.2 of the plan states, "If the facility is to be located in a County where the County has adopted a solid waste management plan, the facility is consistent with the plan." He noted that this is why the language in the proposed pan is critical. Mr. Coulter reiterated his support and approval of the 20 Year Plan.

Mr. Bob Broad, 306 W. Virginia Ave, Normal, IL a property owner and landlord stated that he believes the stakeholders involved in the focus groups was a valid representation of the needs of the County as a whole. He is in support of the 20 Year Plan, which lays out the County's current difficult situation with the near future closing of the landfill. The plan also lays out very simple, common sense strategies. Mr. Broad stated that as a property owner and landlord he supports the plan because: not all tenants recycle. The Plan will help educate people on the importance of recycling, give them more opportunities to recycle and possibly make recycling obligatory or at least a recycling bin obligatory. Passing a law to require recycling does not infringe on our freedom. He advised that sometimes we do need Ordinances to steer the County in the direction it needs to go. Voluntary measures are a great strategy; secondarily when necessary we pass laws. This is what we need to do in looking to the future.

William Gustavson, 1323 W Mulberry, Bloomington, IL stated that he hopes that we do not need this plan in twenty years. He stated that in Germany people are charged per pound for solid waste. If this were the case, people would be separating what needs to be recycled from solid waste.

Mr. James Gauhst, 1006 Samantha Street, Normal, IL is an ISU graduated. He stated that after graduation he continued to live in Normal. Having lived here, he sees what

happens when the students move out of the dorms and apartments, pointing out the waste this creates. Many of these materials can be reused of recycled instead of ending up in the landfill. The community can be better served by focusing on efficient ways to reuse or recycle. The waste management plan is a step in the right direction in the interest of sustainability.

Mr. Wesley Ward, 700 N. Adelaide, Normal, IL stated that he is in support of the proposed waste management plan. With the imminent closure of the landfill, most of our waste will be shipped across County lines. The plan cannot replace the lost revenue. It does put us on a path to a sustainable future. He addressed multifamily housing. Mr. Ward noted that the universities are bringing people to Bloomington – Normal to stay. Those people do not know a world of not recycling. Many of these young people lack transportation. Mr. Ward presented over 3,000 signatures from students requesting these changes. They want recycling. Please support this waste management plan.

Ms. Sarah Keene, 1014 ½ E Grove Street, Bloomington, IL is a student at ISU and a mother of two. Her children are being taught in school how to recycle, encouraged to recycle and coming home and teaching parents how to recycle. When they get older, there are not many recycling options in the city. Many businesses do not have recycling options. Starbucks and OSF do not recycle because there is no reason to recycle. There is no push from the City to recycle. Passing this plan will encourage our businesses and our children to recycle.

Chairman Erickson asked if there were any other comments from the public. Hearing none, he closed the Public Hearing at 4:10 p.m. He thanked the public for their comments and assured them that their comments will be taken under consideration. He appreciates them getting involved in the democratic process.

Chairman Erickson continued with the Items for Information, McLean County Reliability Project for Ameren Illinois.

Ms. Jamie Stone, Ameren Illinois, distributed the recommended routes for the construction of a new, approximately 10-mile 138,000-volt transmissions line and associated facilities to improve energy reliability to local customers. The new line will connect the existing McLean County Substation and the upgraded Normal East Substation located near Normal, Illinois. The new line and associated facilities are needed for Ameren Illinois to improve energy reliability and to support continued growth in the area. The project is proposed to be in service by December 2020.

Chairman Erickson presented County Positions Fill report from October 25 to November 27, 2017.

Mr. Wasson reported that there were no positions filled under the purview of the Land Use Committee.

Chairman Erickson advised that the next Land Use and Development Committee Meeting will be January 4, 2018 at 3:30 p.m.

Chairman Erickson asked if there was any other information to come before the Committee.

> Motion by Cavallini/Scritchlow to adjourn the December 7 2017 Land Use and Development Committee.
> Motion carried.

Chairman Erickson adjourned the Land Use and Development Committee Meeting without objection at 4:10 p.m.

Respectfully Submitted,

Diana Hospelhorn
Recording Secretary

Appendix J: Submitted Public Comments

ECOLOGY ACTION CENTER

Michael Brown <mbrown@ecologyactioncenter.org>

support for the 20 year plan

Kay Moss [redacted] Fri, Nov 10, 2017 at 7:04 PM
To: mbrown@ecologyactioncenter.org

Good evening, Mr. Brown.

Thank you for your efforts to reduce the waste in McLean County. I've read through the Ecology Action Center's 20-year plan and I'm happy to support it.

Over dinner tonight, my husband and I discussed some of the surprises in the plan. We were bewildered that apartment buildings, commercial businesses, and construction companies aren't provided recycling options. We live in a subdivision with a lot of new housing construction. We've watched dumpster after dumpster of construction waste get hauled away, with no effort at any recycling.

Please count me as a supporter of the waste management efforts and your comprehensive, clearly written 20-year plan.

Thank you for all you are doing for our community, Mr. Brown.

Kay Moss
4009 Sutter Road
Bloomington, IL 61705

ECOLOGY ACTION CENTER

Michael Brown <mbrown@ecologyactioncenter.org>

Solid waste plan comment

Michael Matejka [redacted] Fri, Nov 10, 2017 at 3:00 PM
To: mbrown@ecologyactioncenter.org

TO: McLean County Clerk
c/o Michael Brown, Ecology Action Center

As someone who remembers hauling newspaper and glass to the occasional recycle days by Illinois State University in the early days of Operation Recycle, I appreciate how far our communities and our county has come toward reducing solid waste, particularly with municipal home recycling pick up. It is a great service and my family is very conscientious about recycling.

With our land fill expiring and the communities facing even more expensive haulage fees to transport solid waste out of the county, it is time for a more aggressive and thorough recycling plan. Whether through municipal ordinance or county government, I would highly urge that programs be developed, and if necessary, be required for recycling of construction materials and that recycling be made available to multi-family apartment and other residential occupants. Increased education for home owners is also imperative, particularly if residents can learn that not recycling can increase their tax bills dramatically, particularly if we have to haul waste out of town.

Thank you for reading this and I trust this will be submitted to the McLean County clerk in an appropriate format.

Michael G. Matejka
800 N School St
Normal IL 61761

ECOLOGY ACTION CENTER

Michael Brown <mbrown@ecologyactioncenter.org>

Solid waste plan public comment

Rachel Johnston [redacted] Mon, Nov 13, 2017 at 9:51 PM
To: Mbrown@ecologyactioncenter.org

Mr. Brown-
I would like to e pre my upport for the 2017 twenty year wa te management plan A a McLean County re ident, I understand that there is a desperate need to improve upon our current waste management. The plan creates positive solutions for our stagnating recycling rates, and reality of the imminent closure of the McLean County Landfill. We need everyone to do their part to limit the expenses of shipping our waste after March 2018, and this plan achieves that end.

Rachel Johnston
1207 Gettysburg Dr
Bloomington, IL 61704

ECOLOGY ACTION CENTER

Michael Brown <mbrown@ecologyactioncenter.org>

solid waste plan public comment

Linda Unterman [redacted] Mon, Nov 13, 2017 at 9:20 PM
To: mbrown@ecologyactioncenter.org

Mr Brown.

I support the proposed 20-year solid waste plan. We need to take steps to reduce our garbage since we now must send it to Pontiac's landfill. The plan seems to make reasonable suggestions on how we can make a significant difference in the amount of recycling we are able to do. I'm especially excited about the possibility of construction waste being recycled. I've talked to a number of apartment dwellers and they have told me that they wished that recycling was available at their buildings. If we can facilitate that, it could help a great deal.

Linda Unterman
3706 Helen Dr.
Bloomington, IL 61704-4172

ECOLOGY ACTION CENTER

Michael Brown <mbrown@ecologyactioncenter.org>

solid waste plan public comment

Heidi Zimmerman [redacted] Mon, Nov 13, 2017 at 9:12 PM
To: mbrown@ecologyactioncenter.org

Dear Mr. Brown,
I would like to e pre my upport for the 2017 twenty year wa te management plan A a McLean County re ident, I understand that there is a desperate need to improve upon our current waste management. The plan creates positive solutions for our stagnating recycling rates, and reality of the imminent closure of the McLean County Landfill. We need everyone to do their part to limit the expenses of shipping our waste after March 2018, and this plan achieves that end.

Heidi K Zimmerman
1307 Heritage Rd E
Normal, IL 61761

Sent from my iPhone

ECOLOGY ACTION CENTER

Michael Brown <mbrown@ecologyactioncenter.org>

Supporting Ecology Action Center

Thomas Crumpler [redacted] Mon, Nov 13, 2017 at 8:26 PM
To: mbrown@ecologyactioncenter.org

Dear Mr. Brown,

I read the proposed 20 year plan to advance recycling for our community. This plan is well thought out and provides clear, attainable recycling goals. I especially appreciate the efforts to encourage construction companies to recognize their responsibilities and take care of our environment. I support this important work and thank you for all of your efforts on behalf of the Bloomington/Normal Community

Tom Crumpler

Thomas P. Crumpler,
4009 Sutter Road
Bloomington, IL 61705

ECOLOGY ACTION CENTER

Michael Brown <mbrown@ecologyactioncenter.org>

Solid Waste Plan Public Comment

Julie Kistler [redacted] Mon, Nov 13, 2017 at 8:19 PM
To: mbrown@ecologyactioncenter.org

Hello, Mr. Brown.

I'm writing to offer my strong support for the 2017 20-year waste management plan. I am a Bloomington resident and I do my best to recycle as much as I can. On a recent drive through the ISU campus, I saw students holding signs to express their frustration wth the lack of recycling options in apartments and dorms here. I was shocked to learn they didn't get bins for that automatically. And now I understand that there are imminent challenges, as the McLean County Landfill is full and we will need to "export" our refuse and give up the fees earned from taking in waste from other areas. Obviously, these issues are complex. But the 2017 plan is the best option.

Thank you for your consideration of my opinion. I appreciate the chance to express it!

Julie Kistler
26 Gloucester Circle
Bloomington IL 61704

[redacted]
afollowspot.com
[Sent from my iPad]

ECOLOGY ACTION CENTER

Michael Brown <mbrown@ecologyactioncenter.org>

Solid waste plan public comment

Rickerd, Trevor [redacted] Mon, Nov 13, 2017 at 8:13 PM
To: "mbrown@ecologyactioncenter.org" <mbrown@ecologyactioncenter.org>

Mr. Brown-

I would like to express my support for the 2017 twenty-year waste management plan. As a McLean County resident, I understand that there is a desperate need to improve upon our current waste management. The plan creates positive solutions for our stagnating recycling rates, and reality of the imminent closure of the McLean County Landfill. We need everyone to do their part to limit the expenses of shipping our waste after March 2018, and this plan achieves that end.

Trevor Rickerd

1008 South Fell Avenue

Normal, IL, 61761

ECOLOGY ACTION CENTER

Michael Brown <mbrown@ecologyactioncenter.org>

Solid Waste Plan Public Comment

AMY WALL [redacted] Mon, Nov 13, 2017 at 7:35 PM
Reply-To: AMY WALL <amy.jo.wall@comcast.net>
To: mbrown@ecologyactioncenter.org

Mr. Brown-
I would like to express my support for the 2017 twenty-year waste management plan. As a McLean County resident, I understand that there is a desperate need to improve upon our current waste management. The plan creates positive solutions for our stagnating recycling rates, and reality of the imminent closure of the McLean County Landfill. We need everyone to do their part to limit the expenses of shipping our waste after March 2018, and this plan achieves that end.

Amy Wall

Normal IL

61761

ECOLOGY ACTION CENTER

Michael Brown <mbrown@ecologyactioncenter.org>

Solid waste plan public comment

Phil Smith [redacted] Mon, Nov 13, 2017 at 5:49 PM
To: mbrown@ecologyactioncenter.org

I fully support the 20 year waste management plan the EAC has proposed. This is an issue that needs to be addressed soon given the imminent closure of the landfill, the lagging participation in recycling, the cost of shipping waste elsewhere, and the inevitable increase in solid waste generated by construction which will follow the inevitable increase in population. The plan is a modest proposal that addresses an issue that everyone who lives in McLean county should feel a a stake in.

Phil Smith,
208 Veronica Way
Normal, Il 61761

ECOLOGY ACTION CENTER

Michael Brown <mbrown@ecologyactioncenter.org>

Support for 2017 Twenty-year waste management plan

Karla Huffman [redacted] Mon, Nov 13, 2017 at 5:11 PM
To: mbrown@ecologyactioncenter.org

Mr. Brown-

I would like to express my support for the 2017 twenty-year waste management plan. As a McLean County resident, I understand that there is a desperate need to improve upon our current waste management. The plan creates positive solutions for our stagnating recycling rates, and reality of the imminent closure of the McLean County Landfill. We need everyone to do their part to limit the expenses of shipping our waste after March 2018, and this plan achieves that end.

Karla Huffman
804 N. School St.
Normal, IL 61761

ECOLOGY ACTION CENTER

Michael Brown <mbrown@ecologyactioncenter.org>

Solid waste plan public comment

shayna watch [redacted] Mon, Nov 13, 2017 at 4:31 PM
To: mbrown@ecologyactioncenter.org

Mr. Brown-
I would like to expre my upport for the 2017 twenty year wa te management plan A a McLean County re ident. I under tand that there is a desperate need to improve upon our current waste management. The plan creates positive solutions for our stagnating recycling rates, and reality of the imminent closure of the McLean County Landfill. We need everyone to do their part to limit the expenses of shipping our waste after March 2018, and this plan achieves that end.

Shayna Watchinski
1112 W. Oakland Ave
Bloomington, IL
61701

ECOLOGY ACTION CENTER

Michael Brown <mbrown@ecologyactioncenter.org>

Solid waste plan public comment

Metz, Cassie [redacted] Mon, Nov 13, 2017 at 2:06 PM
To: "mbrown@ecologyactioncenter.org" <mbrown@ecologyactioncenter.org>

Hello Michael,

This email expresses my support for the newly proposed waste management plan. As a McLean county resident, I understand the desperate need to improve upon our current waste management. Proposing that all construction and demolition waste be recycled and increasing commercial recycling participation is a progressive and appropriate re pon e to the current ituation

I will be delivering petitions to the EAC this week that ask for recycling at apartment buildings in Normal.

Many thank and applau e to you and the entire EAC team on thi plan!

Cassie Metz
808 S Linden Ave. #26
Normal, IL 61761

Get Outlook for iOS

ECOLOGY ACTION CENTER

Michael Brown <mbrown@ecologyactioncenter.org>

Solid Waste Plan Public Comment

Elizabeth Shelton [redacted] Mon, Nov 13, 2017 at 2:05 PM
To: mbrown@ecologyactioncenter.org

Mr. Brown-
I would like to express my support for the 2017 twenty-year waste management plan. As a McLean County resident, I understand that there is a desperate need to improve upon our current waste management. The plan creates positive solutions for our stagnating recycling rates, and reality of the imminent closure of the McLean County Landfill. We need everyone to do their part to limit the expenses of shipping our waste after March 2018, and this plan achieves that end.

Elizabeth Shelton
102 W Cherry
Apt. 21
Normal, IL 61761

Elizabeth Shelton
Illinois State University | Political Science
[redacted] | [redacted]

ECOLOGY ACTION CENTER

Michael Brown <mbrown@ecologyactioncenter.org>

Solid Waste Plan public comment

Sarah Lindenbaum [redacted] Mon, Nov 13, 2017 at 1:51 PM
To: mbrown@ecologyactioncenter.org

Dear Ecology Action Center,

I am writing to express my support for the proposed Solid Waste Plan. I was deeply concerned to learn that the McLean County landfill will reach capacity in 2018 and that one of the primary causes is lack of recycling on the part of construction companies. For-profit companies should not be able to dispose of high quantities of waste in landfills if those materials are recyclable. Additionally, I am a homeowner who lives next to a rental property and feel that landlords have a responsibility to include recycling as a complimentary amenity. One of the former tenants who lived next to me once asked if she could share my recycling bin, as she was on a fixed income and could not afford one on her own.

Not only is recycling good for the environment, but it saves citizens money by keeping unnecessary waste out of landfills. Please let me know if there is any further action I can take in support of the 20-year Solid Waste Plan.

With best wishes,

Sarah Lindenbaum
11 Harbord Dr.
Bloomington, IL 61701

ECOLOGY ACTION CENTER

Michael Brown <mbrown@ecologyactioncenter.org>

Solid Waste Plan Public Comment

Elizabeth Johnston [redacted] Mon, Nov 13, 2017 at 1:46 PM
To: mbrown@ecologyactioncenter.org

Dear Mr Brown,

I would like to express my support for the 2017 twenty-year waste management plan. As a McLean County resident, I understand that there is a desperate need to improve upon our current waste management. The plan creates positive solutions for our stagnating recycling rates, and reality of the imminent closure of the McLean County Landfill. I know we are facing deficit acro the county and the tate Recycling i a great way for everyone to do their part to limit the expenses of shipping our waste after March 2018, and this plan achieves that end.

Elizabeth Johnston
3321 Topaz Road
Normal, IL 61761

Sincerely
Elizabeth

ECOLOGY ACTION CENTER

Michael Brown <mbrown@ecologyactioncenter.org>

Solid Waste Plan - Public Comment

Zachary Braun [redacted] Mon, Nov 13, 2017 at 1:41 PM
To: mbrown@ecologyactioncenter.org

Mr. Brown,

I wanted to reach out to express my support for the EAC's solid waste plan. I reviewed the stipulations of the plan, and believe that it is a thorough, well-thought out plan of action to address the long overdue problem of the lack of off-campus recycling among other issues.

I met with you last year with some colleagues to discuss potential solutions for this issue, and am thrilled that some of what we discussed was put into the plan.

It is alarming that not only has our landfill reached capacity so soon, but that there is so much opposition to proactive steps toward reducing waste in our county. Please feel free to use any of my comments when presenting your case to the County Board, and good luck!

Thank you for all you do to protect our environment,

Zachary Braun
908 N Center St
Bloomington, IL 61701

ECOLOGY ACTION CENTER

Michael Brown <mbrown@ecologyactioncenter.org>

Solid waste plan public comment

Barb Maxwell [redacted] Tue, Nov 14, 2017 at 8:29 AM
To: "mbrown@ecologyactioncenter.org" <mbrown@ecologyactioncenter.org>

Hi, Michael,

It is so easy to be a fan and supporter of the EAC yet sit back and just watch the organization work. It is amazing and continues to improve our community year in and year out. But I feel maybe this is a good time to actually put my support in writing.

At this time you have presented a 20-year plan to address our recycling situation. Although the general public is supporting the local programs well, I believe, there are still big issues left unaddressed in our county. For some reason the construction companies aren't required to recycle. The tons of materials dumped in our landfills just contributes to the problem we are now facing. And why apartment owners don't make it convenient to renters to recycle is beyond me. I have talked to many renters who are very frustrated with this situation. And commercial businesses need to have ways to make it more convenient for them, too, to recycle whatever they can. These are HUGE gaps in the system that need to be filled. We will soon be paying for someone else to take our waste materials. That money will be coming from our tax dollars. Can't imagine anyone really wants that. We need even more education and outreach to help educate ALL citizens (thus covering landlords and business owners) to prevent everything from food waste, construction materials, business wastes (a lot of this being hazardous waste, no doubt) from ending up in our landfills. This must be a full community commitment. It will take time to figure out how to tackle these issues. Probably wise to tackle one at a time but these changes need to implemented sooner than later.

Together we can save tax money, and become more environmentally friendly. It just makes sense to make this a better, healthier county to live in for all.

Thank you for all you do.

Barb Maxwell
1004 S Oak St
Bloomington, Illinois 61701
[redacted]

ECOLOGY ACTION CENTER

Michael Brown <mbrown@ecologyactioncenter.org>

Solid waste plan public comment

Lola [redacted] Tue, Nov 14, 2017 at 8:31 AM
To: mbrown@ecologyactioncenter.org

Mr. Brown-

I would like to express my support for the 2017 twenty-year waste management plan. As a Bloomington/McLean County resident, I understand that there is a desperate need to improve upon our current waste management. Efforts made to reduce waste and recycle will benefit my grandchildren and the planet. The plan creates positive solutions for our stagnating recycling rates, and reality of the imminent closure of the McLean County Landfill. We need everyone to do their part to limit the expenses of shipping our waste after March 2018, and this plan achieves that end.

Sincerely,
Lola Augstin
107 N Evergreen Lane, Bloomington, IL 61704
[redacted]

Sent from my iPad

ECOLOGY ACTION CENTER

Michael Brown <mbrown@ecologyactioncenter.org>

I support the twenty-year waste management plan

Rejmer, Maya [redacted] Mon, Nov 13, 2017 at 11:39 AM
To: Michael Brown <mbrown@ecologyactioncenter.org>

Hello,
My name is Maya Rejmer and I am the Secretary of Sustainability for Illinois State University's Student Government Association. I am also the Chairwoman of the Student Sustainability Committee which helps fund sustainability initiatives brought forward by faculty and students.
I am emailing you to vocalize my support for the twenty-year waste management plan. As an off-campus student at Illinois State University, I am dealing with the waste problems that McLean county and my realtor are refusing to address. A lot of friends, including my roommates have a lot of recycling that we don't know what to do with. There are designated recycling areas around town, however most of us aren't aware of them and don't have transportation that can get us there. What ends up happening is a lot of recycling is discarded in the trash. In general, I think the community of McLean County needs a comprehensive waste management plan that is created with long term investments in mind.
Waste management and sustainability are long term priorities that benefit the environment, the community, and the city. Avoiding these waste management problems is purely political and it is hurting students, community members, and marginalized groups. This plan that the Ecology Action Center has released is the first step to really addressing the problems. If there is anything I can do as a student, or anything that the Student Sustainability Committee can do, please let me know.
Best,
Maya Rejmer
503 S. Main Street
Apt 8
Normal IL 61761

Get Outlook for iOS

ECOLOGY ACTION CENTER

Michael Brown <mbrown@ecologyactioncenter.org>

Solid waste plan public comment

Sharon Chung [redacted] Tue, Nov 14, 2017 at 9:58 AM
Reply-To: Sharon Chung <sharon.chung@protonmail.com>
To: "mbrown@ecologyactioncenter.org" <mbrown@ecologyactioncenter.org>

Dear Mr Brown,

Thank you for collecting the public's comments on this very important issue. I truly appreciate the time and energy the Ecology Action Center has spent researching the issue of solid waste in our community.

I would like to express my unequivocal support for the 20 year solid waste action plan. As a resident of McLean County, I understand there is a critical need to improve our waste management. The solid waste action plan addresses this issue and proposes common sense solutions to our current problem of the impending closure of the McLean County landfill. It is my hope that McLean County, the Town of Normal, and the City of Bloomington approve the proposed plan and take the measures needed to ensure we all work together to limit the expense of shipping our waste after March 2018.

Thank you,

Sharon Chung

Sent from ProtonMail Mobile

ECOLOGY ACTION CENTER

Michael Brown <mbrown@ecologyactioncenter.org>

2017 twenty year waste management plan

Michele Carroll [redacted] Tue, Nov 14, 2017 at 9:09 AM
To: Michael Brown <mbrown@ecologyactioncenter.org>

Mr. Brown-
I would like to express my support for the 2017 twenty-year waste management plan. As a Town of Normal apartment dweller, my neighbors and I see the need for recycling options as paramount. The plan creates positive solutions to the stagnating recycling rates, and reality of the imminent closure of the McLean County Landfill. The proposed goals of the recycling rate are moderate compared to trends in waste management across the country. They are well-suited for our community, and the management plan puts on track McLean County to achieve these goals. We need everyone to do their part to limit the expenses of shipping our waste after March 2018, and this plan achieves that end.

Sincerely,
Michele Carroll
902 W. Olive
Bloomington, IL 61701
[redacted]

ECOLOGY ACTION CENTER

Michael Brown <mbrown@ecologyactioncenter.org>

Solid waste plan public comment

Jason Michalski <michalski_art@icloud.com> Tue, Nov 14, 2017 at 9:06 AM
To: mbrown@ecologyactioncenter.org

Mr Brown
I would like to express my support for the 2017 twenty-year waste management plan. As a McLean County resident, I understand that there is a desperate need to improve upon our current waste management. The plan creates positive solutions for our stagnating recycling rates, and reality of the imminent closure of the McLean County Landfill. We need everyone to do their part to limit the e pen e of hipping our wa te after March 2018, and thi plan achieve that end

Sincerely,
Jason E. Michalski
1611 E Olive St
Bloomington, Il 61701
[redacted]
Sent from my iPhone

ECOLOGY ACTION CENTER

Michael Brown <mbrown@ecologyactioncenter.org>

Support for the proposed 20 year waste management plan

Kerri Calvert [redacted] Tue, Nov 14, 2017 at 9:01 AM
To: "mbrown@ecologyactioncenter.org" <mbrown@ecologyactioncenter.org>

Mr. Brown-
I would like to express my support for the 2017 twenty-year waste management plan. As a McLean County resident, I understand that there is a desperate need to improve upon our current waste management. The plan creates positive solutions for our stagnating recycling rates, and reality of the imminent closure of the McLean County Landfill. We need everyone to do their part to limit the expenses of shipping our waste after March 2018, and this plan achieves that end.

Sincerely,
Kerri Calvert

1009 Norwood Court

Normal, IL

ECOLOGY ACTION CENTER

Michael Brown <mbrown@ecologyactioncenter.org>

Solid Waste Plan Public Comment

Celena Gunderson [redacted] Tue, Nov 14, 2017 at 8:37 AM
To: Michael Brown <mbrown@ecologyactioncenter.org>

Mr. Brown,

I would like to express my support for the 2017 twenty-year waste management plan. As a McLean County resident, I understand that there is a desperate need to improve upon our current waste management. The plan creates positive solutions for our stagnating recycling rates, and reality of the imminent closure of the McLean County Landfill. We need everyone to do their part to limit the e pen e of hipping our wa te after March 2018, and thi plan achieve that end

Sincerely,

Celena Gunder on
25790 Hospelhorn Lane, Hudson IL 61748
[redacted]

ECOLOGY action center

Michael Brown <mbrown@ecologyactioncenter.org>

Solid Waste Plan Public Comment

Scott Weber [redacted] Tue, Nov 14, 2017 at 10:21 AM
To: mbrown@ecologyactioncenter.org

Mr. Brown

I would like to express my support for the 2017 twenty-year waste management plan. As a McLean County resident, I understand that there is a desperate need to improve upon our current waste management. The plan creates positive solutions for our stagnating recycling rates, and reality of the imminent closure of the McLean County Landfill. We need everyone to do their part to limit the expenses of shipping our waste after March 2018, and this plan achieves that end.

Sincerely,
Scott Weber

575 Beechwood Ct, Normal
[redacted]

www.theclimatemobilization.org
www.veteransforpeace.org

ECOLOGY ACTION CENTER

Michael Brown <mbrown@ecologyactioncenter.org>

Solid waste plan public comment

Connie Kelly [redacted] Mon, Nov 13, 2017 at 4:08 PM
To: Mbrown@ecologyactioncenter.org

I would like to express my support for the 2017 twenty year solid waste management plan. As the current landfill nears capacity the importance of reducing wa te to hold down e pen e i amplified
Connie Kelly
1709 Cook Dr
Normal, IL 61761

ECOLOGY ACTION CENTER

Michael Brown <mbrown@ecologyactioncenter.org>

Management Plan

H Brandt [redacted] Tue, Nov 14, 2017 at 11:12 AM
To: mbrown@ecologyactioncenter.org

Mr. Brown,

I strongly support the Ecology Action Center's proposed 20-Year Waste Management Plan for Bloomington/Normal and McLean County. It will improve our local environment and make Bloomington/Normal a more attractive location for businesses and families.

I have been disturbed by seeing reusable materials being carried off to the landfill. Recycling and composting make good economic and ecological sense.

Helen Brandt Cozy, Ph D
18 Grandview Drive
Normal, Ill

ECOLOGY ACTION CENTER

Michael Brown <mbrown@ecologyactioncenter.org>

Solid Waste Plan Public Comment

Baxter, Megan [redacted] Tue, Nov 14, 2017 at 2:28 PM
To: "mbrown@ecologyactioncenter.org" <mbrown@ecologyactioncenter.org>

Mr. Brown,

I would like to express my support for the 2017 twenty-year waste management plan. As a McLean County resident, I understand that there is a desperate need to improve upon our current waste management. The plan creates positive alutation for our tagnating recycling rate and reality of the imminent clo ure of the McLean County Landfill We need everyone to do their part to limit the expenses of shipping our waste after March 2018, and this plan achieves that end.

Sincerely,

Megan Baxter

Megan Baxter

1922 East Taylor St.

Bloomington, IL 67101

ECOLOGY ACTION CENTER

Michael Brown <mbrown@ecologyactioncenter.org>

Solid Waste Plan Public Comment

Susan Mohr [redacted] Tue, Nov 14, 2017 at 5:36 PM
To: "mbrown@ecologyactioncenter.org" <mbrown@ecologyactioncenter.org>

Mr. Brown,

Thank you for your work on the 20-Year Waste Management Plan for McLean County. As a Bloomington resident, I'm embarrassed to admit that I was unaware of the impending closure of the McLean County Landfill. Given that reality, I fully support the 20-Year Waste Management Plan. In particular, I endorse the suggestions to improve recycling rates and implement recycling ordinances for apartment dwellings. I look forward to the opportunity to utilize a comprehensive food scrap/composting program. I am appalled by the lack of ordinances regarding the disposal of C&D waste and agree that we should pursue C&D recycling. I appreciate the concrete steps, as well as the phased approach outlined in this plan.

Thank you for educating us. My family will strive for greater participation in these efforts and we'll look for ways to be part of the community education effort to achieve these goals.

Sincerely,

Susan Mohr

2214 E. Olive St.
Bloomington, IL 61701
[redacted]

ECOLOGY ACTION CENTER

Michael Brown <mbrown@ecologyactioncenter.org>

solid waste plan public comment

Patrick Hill [redacted] Tue, Nov 14, 2017 at 6:12 PM
To: mbrown@ecologyactioncenter.org

Mr. Brown-
I would like to express my support for the 2017 twenty-year waste management plan. As a McLean County resident, I understand that there is a desperate need to improve upon our current waste management. In my community, we only have one recycling day per month. We need to encourage more people to recycle, including businesses and construction crews. The plan creates positive solutions for our stagnating recycling rates, and reality of the imminent closure of the McLean County Landfill. We need everyone to do their part to limit the expenses of shipping our waste after March 2018, and this plan achieves that end.

Sincerely,
Mary Jo Hill
P O Box 127
106 N Perry St
Carlock, IL 617225

ECOLOGY ACTION CENTER

Michael Brown <mbrown@ecologyactioncenter.org>

20 year solid waste management plan - public comment

sheiser810@aol.com [redacted] Wed, Nov 15, 2017 at 9:23 AM
To: mbrown@ecologyactioncenter.org

To: Michael Brown, Ecology Action Center,
As McLean County (Bloomington) residents, we are aware that the McLean County landfill will have reached capacity in 2018. This is a time of crisis - or - a time of opportunity.
We support the 20 year waste management plan developed this year.
We welcome new provisions for residents of apartment buildings to participate in recycling of household refuse.
We were unaware that construction companies were not already participating in recycling of construction refuse, and welcome this component of the plan.
We are concerned about the added costs of sending landfill waste to Pontiac and feel that the proposed plan will set us on a more economically responsible course for managing solid waste
Please keep us informed as the process unfolds and let us know dates for hearings before the County Board.

Sincerely,
Rick and Susan Heiser
810 W. Jefferson
Bloomington, Il 61701
[redacted]

ECOLOGY ACTION CENTER

Michael Brown <mbrown@ecologyactioncenter.org>

solid waste plan public comment

Emily Eaton [redacted] Thu, Nov 16, 2017 at 3:53 PM
To: mbrown@ecologyactioncenter.org

Hi Michael,

My name is Emily Eaton and I am a Bloomington resident (512 East Grove St, 61701). I was pleased to see that the proposed plan acknowledges the difficulties of recycling for multi-family homes. I live in a four-unit building where we are (luckily) provided with curbside recycling pick-up. However, we share a single recycling bin for four households, and pick-up occurs only once every two weeks (whereas trash pick-up is weekly). The usually fills up in a few days after pick-up. When it gets full, residents begin to throw their recyclable materials into the trash (we have four trash bins that never fill up).

I'm very supportive of expanding curbside recycling services to more multi-family homes, and I'd also like to see the frequency of curbside recycling services match the frequency of trash pick-up!

Another suggestion would be to somehow incentivize building-wide compost programs for multi-family buildings. Maybe there could be a small property tax break for landlords who coordinate compost programs for their residents to participate in.

Thanks for your work,

Emily

ECOLOGY ACTION CENTER

Michael Brown <mbrown@ecologyactioncenter.org>

solid waste plan public comment

Jodie Slothower [redacted] Mon, Nov 13, 2017 at 4:00 PM
To: mbrown@ecologyactioncenter.org

Mr Brown,

I am writing in support of the twenty-year waste management plan created this year. I understand that we need to improve McLean County's current waste management. The plan creates positive solutions for recycling and addresses the closure of the McLean County Landfill.

We need to make this an ecologically friendly community where people want to live.

Thank you for listening.

Jodie Slothower
919 Broadway
Normal, IL 61761

ECOLOGY ACTION CENTER

Michael Brown <mbrown@ecologyactioncenter.org>

Solid waste plan public comment

joyce kaye [redacted] Tue, Nov 14, 2017 at 6:16 PM
To: "mbrown@ecologyactioncenter.org" <mbrown@ecologyactioncenter.org>

I was very impressed with the new 20 year plan and I would like to see it implemented.

Sincerely,

joyce kaye

2 sunshine ct.

Bloomington il 61704

ECOLOGY ACTION CENTER

Michael Brown <mbrown@ecologyactioncenter.org>

20 yr plan

Freese Marilyn [redacted] Thu, Nov 16, 2017 at 1:52 PM
To: mbrown@ecologyactioncenter.org

Hi Michael!!
Ju t weighing in on the new 20 yr plan for wa te management I'm in favor of the plan a written
Thanks,
MFreese

Sent from my iPhone

ECOLOGY ACTION CENTER

Michael Brown <mbrown@ecologyactioncenter.org>

solid waste plan public comment

Jeremy Hayes [redacted] Fri, Nov 17, 2017 at 8:07 AM
To: mbrown@ecologyactioncenter.org

Dear Mr. Brown:

I have reviewed the proposed *Twenty-Year Materials Recovery and Resource Conservation Plan for McLean County, City of Bloomington, and Town of Normal.* I am writing to express my support for the strategies provided in this plan.

In reading the plan, it is clear that the planning process has allowed for a wide range of perspectives to be taken into account. That is critical in building broad support for the actions proposed by the plan.

I want to specifically applaud the plan's authors for highlighting the need to close a huge gap in the community's recycling efforts—multi-family properties. Strong leadership and assertive, coordinated action by the municipal governments is needed to bring convenient recycling service to this huge and important chunk of Bloomington-Normal's population. It should be just as easy for residents of apartments to recycle as it is for those who live in single-family homes. Assistance from the EAC to identify dense routes and combining waste and recycling service seems to be an especially promising approach to this problem.

Thank you to all the stakeholders who participated in this important planning process. I strongly support this plan and implementation of the strategies it outlines.

Sincerely,

Jeremy Hayes
1904 Withers Lane
Bloomington, IL 61704

ECOLOGY ACTION CENTER

Michael Brown <mbrown@ecologyactioncenter.org>

Solid waste plan public comment

Aleda Diggins [redacted] Sat, Nov 18, 2017 at 7:38 PM
To: Michael Brown <mbrown@ecologyactioncenter.org>

Dear Mr. Brown,

I am very much in favor of the 2017 20-year Waste Management Plan as outlined by the Ecology Action Center. Our community cannot afford to ignore its responsibility to thoughtfully plan for intentional waste reduction and responsible disposal. The care taken in formulating the thorough proposal is evident in its gradual implementation and well-researched detail. I feel comfortable that the best interests of our regional environment and local quality of life will be well-served if this plan is adopted. The addition of specialized personnel is also quite defensible and worthwhile in accomplishing new recycling and waste disposal goals for the 21st century. I appreciate all the time and effort expended to research and write such a thoughtful and reasonable proposal. Only through deliberate planning such as this 2017 Waste Management Plan can our community's citizens avoid the "tyranny" of unanticipated disposal costs and the damaging, irresponsible environmental pollution that predictably results from illegal, surreptitious independent dumping of waste items included in this proposal such as hazardous waste, electronics and building materials. The way I see it, we can back an intelligent plan and get our money's worth out of positive waste disposal solutions, or we can ignore the impending landfill capacity limit and lose this opportunity to arrange for and stretch future landfill space. There is no *good* reason to pass up the opportunity for strategic environmental success offered by this 20-year Waste Management Plan which captures value for our community through expanding our recycling options.

If I can be of further help in advocating adoption of EAC's wise plan on this matter to other parties during the public comment process please do let me know how.

Sincerely,

Aleda Diggins
107 Sandra Lane
Normal, IL 61761

ECOLOGY ACTION CENTER

Michael Brown <mbrown@ecologyactioncenter.org>

Solid Waste Plan Public Comment

Wesley Ward [redacted] Tue, Nov 21, 2017 at 7:43 AM
To: Michael Brown <mbrown@ecologyactioncenter.org>

Mr. Brown,
I would like to make public comment regarding the proposed solid waste plan for McLean County.

We have significant problems with our current waste management system:

- **The McLean County Landfill will close in March of 2018 because it will have reached its capacity**. We will lose hosting fees from taking other counties' waste due to the closure, and have to pay to ship our waste to Pontiac.
- Our **recycling rates stagnated** between 35% and 37% from 2006 to 2015.
- **Construction companies fail to recycle**, contributing to the largest portion of our landfill's composition.
- **Apartment dwellers lack access to recycling** options due to a lack of transportation and convenience, leading to significant waste production inside the town and city.

The new solid waste plan addresses this concerns systematically with proposals that the community can support:

- A voluntary program or mandate-by-ordinance for multi-family housing (apartment/townhouse) recycling. Many people who are living in multi-family housing units have experienced curb-side recycling and benefitted from EAC education programs regarding recycling. Extending recycling to these individuals is a needed step forward.
- A new program to address a deficiency in commercial recycling.
- An ordinance in Bloomington and Normal requiring all construction and demolition materials to be recycled.
- Addresses needs in food waste, household hazardous materials, and furthering outreach, education and technical assistance.
- The plan calls for these changes slowly and incrementally so not to be burdensome.

It is a well-thought-out plan, and I am happy to endorse it. I encourage the McLean County Board to accept this plan as written and completely.

Sincerely,

Wesley B. Ward
700 N. Adelaide St., Apt #58
Normal, IL 61761

ECOLOGY ACTION CENTER

Michael Brown <mbrown@ecologyactioncenter.org>

The 20 year plan

Arthur, Skyler [redacted] Mon, Nov 27, 2017 at 8:35 PM
To: "mbrown@ecologyactioncenter.org" <mbrown@ecologyactioncenter.org>

As a resident of an apartment complex in Normal, I have noticed a lack of recycling due to insufficient access to recycling bins (which seem to be nonexistent in the most areas of town for some reason). I support the 20 year plan and believe it will help the county and the cities of Bloomington-Normal tremendously.

Yours Sincerely,
Skyler Arthur

Get Outlook for iOS

ECOLOGY ACTION CENTER

Michael Brown <mbrown@ecologyactioncenter.org>

2017 Waste Management Plan

Maca, Pat [redacted] Tue, Dec 5, 2017 at 5:07 PM
To: "mbrown@ecologyactioncenter.org" <mbrown@ecologyactioncenter.org>

Mr. Brown,

I would like to express my support for the 2017 twenty-year waste management plan. A progressive agenda is a must to keep young leaders and professionals in this community. Regarding this plan, a top priority should be developing an ordinance requiring rental companies, construction, and business to recycle. Let's take this small step forward. We've got lots of work to do.

Thanks,
Patrick K Maca
19 Flora Way
Normal, IL 61761

Memo

To: McLean County Board Land Use Committee and the McLean County Board as a whole
From: Bob Broad (306 W. Virginia Ave. in Normal, IL)
Date: December 7, 2017
Re: Proposed Twenty-Year Solid Waste Management Plan for McLean County

What impresses me most about the plan is the broadly inclusive process through which it was developed. The solid waste coordinator's team made tremendous efforts not only to listen to, but also to act on, the concerns and needs of many different constituencies and interest groups in the county, including businesses, landlords (like me), tenants, waste haulers, government staff, and regular citizens of the county. As a result of its incorporation of multiple perspectives, the report can validly claim to represent the goals and interests of the people of the county as a whole.

The plan clearly and carefully lays out our current situation (landfill ready to close, recycling rates still too low, etc.) and then offers six key, common-sense strategies to help the County thrive both economically and environmentally.

Wherever possible, the plan favors voluntary strategies. As responsible citizens and leaders, however, we should not shy away from requiring people to do the right thing if that is the best thing for the county. Speed limits take away my "freedom" to drive 100 miles per hour, but I enthusiastically support speed limits because they save lives and reduce the burning of fossil fuels. As a property owner, I welcome ordinances that will structure and support more recycling among my tenants. It is the right and responsible thing to do, so let's do it.

I applaud the 20-year solid waste management plan for stepping up to meet the clear need to look further into the future than just five years. This is a superb planning document, and I look forward to the County Board members fulfilling their responsibilities to their constituents by boldly embracing, supporting, and carrying out the plan.

To: **Michael Brown – Executive Director of the Ecology Action Center**
From: **Chris Coulter – Vice President of Area Disposal Service, Inc.**
Date: **December 7, 2017**
Subject: **Public comment concerning the new McLean County Solid Waste Management Plan**

1) Public Comment
    a. Chris Coulter – Vice President of Area Disposal Service, affiliate of Peoria Disposal Co.
    b. Area's corporate office is located at 4700 N. Sterling Avenue in Peoria, Illinois
    c. I'm the fourth generation to be involved in the ownership/management of the firm
    d. Coulter Family has owned the PDC/Area companies for 90 years
    e. Area has provided waste collection/disposal services to McLean County for over 25 yrs.
    f. Area operates a waste hauling division at 512 E. Hamilton in Bloomington
        i. Over 20 employees work out of this location
        ii. Currently provide waste and recycling collection services to McLean County households and businesses from this location
            1. Municipalities under contract include:
                a. Danvers
                b. Downs
                c. Gridley
                d. Hudson
                e. LeRoy
                f. Towanda
        iii. Own and operate 2 landfills that accept waste for disposal from McLean County households and residents
            1. Clinton Landfill – 27 miles – 39M cubic yards of disposal capacity
            2. Indian Creek Landfill – 29 miles – 33M cubic yards of disposal capacity
            3. McLean County Landfill – 700,000 cubic yards of disposal capacity
            4. Clinton and Indian Creek can handle the disposal needs for McLean County during the next 20 year planning period
    g. Member of one of the Focus Groups involved with developing this new plan
    h. Robust stakeholder involvement
        i. Business (McLean County Chamber, Henson, Republic, Area)
        ii. Government (McLean County, Bloomington, Regional Planning Commission)
        iii. Schools (ISU, Illinois Wesleyan)
    i. Area supports the approval of the proposed 20 year plan
    j. In particular, we support the language that can be found on page 20 which states:
        i. **The establishment of additional waste transfer stations could have multiple economic benefits including increased competition; therefore likely more beneficial waste disposal rates or the possibility of new host agreements providing host fees as a new revenue source.**
    k. Inclusion of this language in the new plan is critical for us and other interested waste/recycling industry participants as it would allow for the development of another McLean County waste transfer station subject to a local siting approval under Criterion 8 of Section 39.2 of the Illinois Environmental Protection Act, which states the following:
        i. **If the facility is to be located in a county where the county has adopted a solid waste management plan, the facility is consistent with the plan.**

ECOLOGY ACTION CENTER

Michael Brown <mbrown@ecologyactioncenter.org>

materials recovery & resource management plan

Lucille Eckrich <[redacted]> Fri, Dec 8, 2017 at 9:23 AM
To: mbrown@ecologyactioncenter.org

I am writing to add my voice to the public comments being gathered on McLean County's materials recovery & resource management plan. While I haven't read the proposed plan in full (I would be happy to do so if you send me a link to it), I am moved to write this letter by the article in today's *Pantagraph* (12/8/17, p. A3). I fully support all improvements in McLean County's and Bloomington-Normal's collective efforts to reduce, reuse, and recycle.

As a middle school student in the 1970s, I was involved in the first recycling program ever on Long Island, NY. Every Saturday I got to ride on the back of a flat bed truck to pick up recyclables throughout our community or to wear goggles and smash glass in huge barrel drums or to stack and pack cardboard boxes and paper for shipment to paper processing plants, It was good fun to get dirty with peers and an inter-generational group of people who cared about the conditions of the environment that we bequeath to the next generation and depend upon for our very survival.

It is heartening to see how far the US has come since then, as municipalities and as a society, to recycle. But it is also sobering to see how far we have yet to go and how much more we could be doing. My spouse is from Germany where, land being at a premium, nearly EVERYTHING is by law recycled, including not just paper, glass, cans, and plastic but also ALL compost and ALL construction and demolition waste. It is not rare to see laborers--well paid in Germany due to a much more serious and just social contract–taking a building down by hand and separating all parts to be recycled. And that's only on the rare occasions when demolition is deemed better than renovating, renewing, or re-purposing a building--some of which are 100s and 100s of years old! Our butcher friend tells us that selling animal waste for biofuel is as, if not more, valuable in his business than is the animal meat he processes. Friends of ours invested with two other families in a wind turbine about 25 years ago already. They are part of a publicly-motivated and lucrative by-back commitment to renewable energy that has moved the country to around 40% of its energy today being from renewable resources. While Germany still uses too much coal, they are working to lower that while also decommissioning all nuclear power plants in the country, a decision they made after the nuclear power catastrophe in Japan.

In short, collective commitment--through our elected officials, tax dollars, volunteering, and public investment (the last being something that will be immeasurably more possible if and when we achieve monetary reform)--is essential for our and any society to reduce our human waste and carbon footprints and to leave our country and world better than we found them for the next generation. That is the commitment every young girl scout or boy scout learns and lives, and that is what we should be doing in McLean County. I strongly urge the McLean County Board to pass the strongest land use and re-cycling programs possible. Then I urge Board members to learn about and support monetary reform at local, regional, and federal levels (the latter being the most fundamental of all) so that public interests--rather than the private interests of the 1%, the plutocracy--can finally under-gird and inform our commerce and public policy.

Thanks!
Lucille Eckrich
1214 E. Washington St
Bloomington, IL 61701

ECOLOGY ACTION CENTER

Michael Brown <mbrown@ecologyactioncenter.org>

solid waste plan public comment

H Brandt [redacted] Sun, Dec 10, 2017 at 10:18 PM
To: Michael Brown <mbrown@ecologyactioncenter.org>

Hello Michael Brown,

I have read the Twenty-Year Plan and am in favor of meeting its goals. It is well thought out, reasonable and realistic.

Walking neighborhood streets I notice household goods put on the curb for waste pick up, things that could be reused. I mentioned this to a ReStore person and he agreed there were things that went to the landfill that could be reused but people put them on the curb rather than contact the ReStore for pickup.

The Solid Waste Plan should include a way to encourage people to conveniently contact organizations like the ReStore for pick-up instead of putting household items such as tables, chairs, cabinets, and shelves on the curb as waste. Diverting such items could also provide an opportunity for a non-profit repair business to employ out-of-work, retired or disabled persons.

I lived for many years in a community similar in size to Bloomington/Normal. Our recycle and garbage pickup has been on a bi-weekly basis. No problems have been encountered. The McLean Twenty-Year Plan could consider adopting such a schedule for single-family residences as a way to decrease environmental impact (pollution from trucks) and reduce financial costs.

Helen Brandt Cozy
18 Grandview Drive, Normal, IL

ECOLOGY ACTION CENTER

Michael Brown <mbrown@ecologyactioncenter.org>

Public Comment on Solid Waste Management Plandated 12-12-17

Robert [redacted] Tue, Dec 12, 2017 at 1:36 PM
To: Michael Brown <mbrown@ecologyactioncenter.org>
Cc: cnelaw1@aol.com, Laurie Wollrab <lwollrab@gmail.com>, rscritchlow@outlook.com, wendtfarm@gmail.com, jacobdavidbeard@yahoo.com, adfocus@gmail.com, doncavallini@hotmail.com, Mark Peterson <mpeterson@normal.org>, Pamela Reece <preece@normal.org>, Mayor Chris Koos <ckoos@normal.org>, srasmussen@cityhblm.org, trenner@cityblm.org, Jim Karch <jkarch@cityblm.org>

As a retired Bloomington Alderman who served on the Ecology Action Center Policy Committee representing Henson Disposal & Recycling to help prepare the Solid Waste Management Plan, I would like to explain the reasoning for supporting the Solid Waste Management Plan. As Bob Broad said at the Land Use Committee of the County Board sponsored meeting on 12-7-17, it is a kindergarten-level understanding of "freedom" to oppose government ordinances just because they limit freedom. Sometimes we do need ordinances to steer the county the direction it needs to go. "That is what leaders do, that's what communities need to do and that's what we need to do." Without laws, regulations and ordinances there is chaos.

As background information, Henson Disposal & Recycling is the only LEEDS authroized recycling center in the State of Illinois outside of the nine recycling operations in the Chicago area. In each of those Chicago area recycling operations there is a recycling ordinance in the respective community. One of the criticisms of a C & D Recycling Ordinance beyond its limiting freedom is that it simply benefits only Henson Disposal & Recycling. That turns out to not be true because by EPA regulations a recycle center must recycle a minimum of 75% of all waste material it receives, and the EPA is vigilant in monitoring that this regulation is followed. Therefore, the 75% or more that is recycled is taken to other local businesses like Behr Iron or Midwest Fiber for reuse, not to the local landfill. Another section in all nine C & D Recycle Ordinances in the Chicago area states that anyone doing demolition is allowed to single source recycle directly from the demolition site rather that taking waste material to a recycle center.

Possible opposition to the option of an ordinance would likely come from businesses, landlords and those who simply oppose regulations in general. One of the main businesses which would logically oppose an ordinance diverting C & D waste from going directly to a landfill would be the landfill owners. Howerver, at the meeting Chis Coulter, a fourth generation owner of Area Disposal which owns two nearby landfills, spoke strongly in favor of the Solid Waste Management Plan which contains language regarding the option at the full discretion of the municipality to consider supporting or not supporting a C & D Ordinance.

One of the misconceptions is that it is more expensive to recycle than it is to simply take waste materials to the local landfill. First, the local landfill will be closing in the next few months, which means any waste delivered to the transfer station will need to be transported to another landfill at least 25 miles away. This will logically increase the price at some point in the future. Second, the gate rate to recycle locally is less than it is currently is at the local landfill even before transportation costs are included in the future. Gas emmisions will be reduced by delivery to the local recycle center as opposed to the local transfer station where trucking the waste at least 25 miles will be necessary in the near future.

If the C & D recycling goals can be achieved from education of the advantages of recycling waste materials versus sending the waste materials to a landfill and the lessor gates rate fee for recycling versus landfill gate rate, then the following could be achieved:

1. Increase in recycling in McLean County.

2. Reduce gas emmisions by not trucking waste materials to landfills at least 25 miles away.
3. Provide lower gate rate fee to those disposing of waste material versus local transfer station gate rate fee.
4. Allow single source recycling from demolition sites.
5. Support from fourth generation landfill owner of two nearby landfills for the entire Solid Waste Management Plan, which includes the option to consider ordinances.

If recycling for C & D were to be mandated through a C & D ordinance, then a significant additional benefit could be a negotiated fee from the recycling to replace or even increase the income to McLean County over the current host fee from the landfill. This host fee will be eliminated with the closing of the local landfill. What is important to keep in mind is that the Solid Waste Management Plan DOES NOT propose mandating of any ordinance, but it merely notes this as an option for municipalities to consider.

Robert B. Fazzini

Henson Disposal & Recycling

Business Advisor

309 824-7371

ECOLOGY ACTION CENTER

Michael Brown <mbrown@ecologyactioncenter.org>

Solid waste plan public comment

Given Harper [redacted] Mon, Dec 18, 2017 at 8:44 AM
To: Michael Brown <mbrown@ecologyactioncenter.org>

18 December 2017

Dear Mr. Brown,

We wish to express our strong support for the 2017 twenty-year McLean County solid waste management plan proposed by the EAC. The plan's goals of reducing the amount of waste generated and increasing the county recycling rate have both environmental and cost-saving benefits, especially in light of the fact that the only landfill in the county will soon close. Thank you for crafting a plan that will help reduce consumption of natural resources and save tax dollars in disposing of waste.

Sincerely,

R Given and Jean Harper
2 Lucille Lane
Normal, IL 61761

NEXTGEN **CLIMATE**

Commit to vote for candidates who care about climate justice and clean energy!

Petition for an off-campus curb-side recycling option mandate!

Printed Name (PLEASE WRITE LEGIBLY)	Cell Phone #	Can we text?*	Email	Zip code (61761)	Dorm + Room # or address	Volunteer? Y/N/Maybe	SEAC listserv?
Hannah Woody	[redacted]			61761	421 Monroe	yes	Y
Jake Sjostrom				61761	355 CC	N	N
Ryan Buckel				61761	E-335 Cardinal Ct.	N	N
Jourdan Finch				61761	1116 Manchester	N	N
AMIR MARMARK				61761			
Brenda Reyes				60637	323 E Cardinal	Y	
Nathane Jackson				61761	Watty Smith 5	Y	N
Addie Longberg				61761	1108 Wright		
Amy Vitale				61761	Cardinal Court	Y	N
Karla Calderon				61761	223 Wright	Y	

*NextGen Climate may provide periodic automated text messages and calls to your mobile number from NextGen Climate Action Committee. SMS, Msg & Data rates may apply. Text STOP to cancel or HELP for help. NextGenClimate.org

PAID FOR BY NEXTGEN CLIMATE ACTION COMMITTEE, WWW.NEXTGENCLIMATE.ORG, NOT AUTHORIZED BY ANY CANDIDATE OR CANDIDATE'S COMMITTEE.

Proceedings of the County Board of McLean County, Illinois

January 16, 2018

Subject to approval at February 19, 2018 County Board Meeting

McLean County

January 16, 2018

The McLean County Board met on Tuesday January 16, 2018 at 9: 06 am in Room 400 of Government Center, 115 East Washington Street, Bloomington, Illinois. Chairman McIntyre led the invocation followed by the Pledge Allegiance and the Roll Call.

The Following Members answered to roll call:

Members, William Caisley, Chuck Erickson, George Gordon, Mark Johnson, Randall Martin, Catherine Metsker, Scott Murphy, Erik Rankin, Carlo Robustelli, Susan Schafer, Ryan Scritchlow, Paul Segobiano, David Selzer, James Soeldner, George Wendt,(remotely) Laurie Wollrab, Josh Barnett , Jacob Beard and Chairman John McIntyre.

(19 Members Present)

Member Wendt had approval to attend and participate remotely

Member Cavallini was absent.

APPEARANCES BY MEMBERS OF THE PUBLIC

3 Members of the public spoke

1. Sharon Hellman-spoke supporting the recycling plan on the Agenda, urged the Board to approve in its original form (refer to audio)
2. Elizabeth Johnston-spoke supporting the recycling plan on the Agenda, and also urged the Board to approve the plan in its original form. (refer to audio)
3. David Parker-spoke supporting the recycling plan on the Agenda, and urged the Board to approve the plan in its original form. (refer to audio)

CONSENT AGENDA

Chairman McIntyre indicated reference to a transfer ordinance on p. 35 and asked if there were any objections? There being none, the motion passed unanimously to approve the consent.

6 (G) (other resolutions...)

World War 1 Proclamation: Chairman McIntyre presented and read the Proclamation declaring April 2018 as the month for recognition and honoring those who served in WW1.

STANDING COMMITTEES:

Vice Chair Jim Soeldner presented the 2 items of action.

7A1a Soeldner/Selzer moved the County Board approve a Request for Approval of Memorandum of Understanding for Economic Development Consulting Services. This motion passed unanimously.

Comments before the vote was passed; both by Members Segobiano and Erickson regarding the work gone into the Memorandum of Understanding for the EDC Consulting Services. By working together and being persistent, they were able to bring this MOU to the Board; understanding this is for one year at which time it can be addressed again. (refer to audio)

Member Selzer: commented he appreciated the MOU

Member Soeldner: Stated he wanted to make it clear that this MO isn't a reflection on their work; which he felt had been misreported. "I think they've done a great job."

Member Wollrab: Had a couple of technical questions, regarding page 74, performance measures. She had a question on the "bi-monthly" wording and asked for clarification.

Chairman McIntyre: indicated that it was the opinion of the Chair that this terminology is considered "every other month".

The next question by Member Wollrab was on the 3rd bullet-point, and asked "how do we expect the EDC to separate out our money with the other monies" and asked for clarification.

Bill Wasson, County Administrator: he replied that ultimately this would be on a percentage (%) basis. (refer to audio)

Member Wollrab: she offered further comments regarding performance matters. (refer to audio)

Member Caisley: Offered comments regarding the "proper resolution of the relationship with the EDC" and commented on the Pantagraph article regarding "mistrust of EDC" which he indicated was not a proper description by the Pantagraph.

Chairman McIntyre agreed. (refer to audio)

Member Erickson: Commented on the performance matters, "this is kind of a let's see what they produce and give them a fair opportunity... (refer to audio)

Chairman McIntyre: Offered comments regarding looking forward to working with the EDC with communication and clarification every other month.

Member Segobiano: Agreed with many of the comments added, "but sometimes we need to extend the olive branch to others, regarding abating taxes, etc. so we need to give credit to staff and so many others as well." (refer to audio)

Member Rankin: had a question about the wording of the meetings with EDC; "can't they be moved to quarterly rather than bi-monthly?"

Member Erickson: responded to Member Rankin, I believe the report was to be more on ongoing projects... "the point of bi-monthly was to get some idea about what projects being worked on...."

Chairman McIntyre: Suggested this topic be dealt with during the Executive Committee, to which Member Rankin agreed. After comments, the vote on this motion passed unanimously.

7A1b Soeldner/Gordon, moved the County Board approve a Request for Approval of an Emergency Appropriation Ordinance Amending the Mclean County Fiscal Year 2018 Combined Annual Appropriation and Budget Ordinance General Fund 0001, County Board 0001 (VRI). 2/3 vote required. No dissenting votes. Clerk Michael shows all Members present voting in favor of the Motion. Motion carried.

JUSTICE COMMITTEE: Member Gordon, presented the following:

Members Gordon/Martin moved the County Board approve a Request for Approval of the renewal of a Contract for Consulting Services for the McLean County Criminal Justice Coordinating Council with Illinois State University. **2/3 Vote required.** No dissenting votes. Member Murphy and Rankin abstain from voting. Clerk Michael shows all but Murphy and Rankin voting in favor of the Motion. Motion carried.

FINANCE COMMITTEE: Member Selzer, no action items.

HEALTH COMMITTEE: Member Schafer, two items for action Members Schafer/Segobiano moved the County Board approve a Request for Approval of an Ordinance of the Mclean County Board Amending the 2017 Combined Appropriation and Budget Ordinance for Fund 0107. Clerk Michael shows all Members present voting in favor of the motion. Motion carried.

Members Schafer/Wollrab moved the County Board approve a Request for Approval of an Emergency Appropriation Ordinance Amending the McLean County Fiscal Year 2017 Combined Annual Appropriation and Budget Ordinance for Fund 110. **Required a 2/3 vote.** No dissenting votes. Clerk Michael shows all Members present voting in favor of the Motion. Motion carried.

LAND USE AND DEVELOPMENT COMMITTEE: Member Erickson, presented the following:

Before the vote was called, Member Segobiano offered a substitute motion to approve the original plan presented by Ecology Action Center, (EAV); seconded Member Barnett.

The County board returned to vote on the Original motion to the EAC plan. The votes was 10 yes and 8 no.

Members Erickson/Scritchlow moved the County Board approve a Request for Approval of a Twenty-Year Materials Recovery and Resource Management Plan for McLean County, Bloomington and Normal, Illinois from the Ecology Action Center.

Attachments to the Plan, Minutes of the December 7, 2017 Land Use and Development Committee Meeting and Comments on the Plan can be found with the following link (Not: document is large and may take extra time to load):
http://www.mcleancountyil.gov/Document Center/View/11276

Comments: **Member Scritchlow** thanked everyone for the time put in on this plan's conversation. He then continued with further details about the amendment under discussion for 7E1a a consideration. (refer to audio)

Comments: **Member Soeldner stated,** "I had no idea Mr. Scritchlow would be hassled or his reputation impugned....." He further commented on why he supports the amendment by Mr. Scrithlow and that many of the references to ordinances are wrong. "I believe that and so do my constituents." (refer to audio)

Comments: **Member Wollrab** re-stated what the EAC plan is about...."how we handle our human waste." She further detailed her reasons for being for the original plan. (refer to audio)

Comments: **Member Beard** offered comments on why he would be voting against Member Segobiano's substitute motion, and provided additional comments regarding his opinion on the Scritchlow Amendment. (refer to audio). "The public is not prevented from doing their own recycling." (more comments)

Comments: **Member Robustelli** commented regarding the amended original plan. "I appreciate the divergent points of view. " He then talked in more detail as to why he supports the Segobiano Substitute Motion. (refer to audio) "A lot of misinformation... we are not calling for mandatory recycling. It's just an option..... We are not implementing the plan.... We are putting the plan forward..." (refer to audio)

Comments: **Member Johnson** wanted to mention that he was on Land Use, and per the minutes, "I brought up talking about getting the right people on the bus to meet these goals. ..Mr. Robustelli was at the same meeting...my concern with this plan...words matter. ...regarding the ordinance language...you can see in the minutes...we are not leading getting the right people on the bus...my main point is, we need a plan that set us up for success; "no one is against recycling." He stated concerns about those involved in the details of the plan and that taking the language out about the ordinances benefits us in the future. (refer to audio)

Comments: **Member Rankin** briefly reviewed again the entire process of creating the plan; the 1500 hours, all the stakeholders and signatures involved 'it bothers me...that Land Use knows better." Talked about the numerous ordinances that we already have, that are good for the county. "I believe the original plan is the right thing to do." (refer to audio)

Comments: **Member Gordon** made comments reiterating a point, "decisions have to be made, government by government, issue by issue, case by case... These are options in

the plan and only if governing boards, after listening to their constituents, will decide to move forward." Gordon indicated he supports the original plan. (refer to audio)

SECOND ROUND OF COMMENTS:

Comments: **Member Segobiano** referred to the letter from Mr. Walsh from the Chamber of Commerce, sent to all County Board members and that is talked about "it's an ordinance," when in fact it is not an ordinance. (refer to audio)

Comments: **Member Beard** added "there is a disconnect between the plan and the expectations and perceptions." (refer to audio)

Comments: **Member Johnson** responded to Members Segobiano's and Rankin's comments regarding Johnson's comments about the Chamber of Commerce letter. (refer to audio)

Comments: **Member Barnett:** "I support Member Segobiano's substitute motion. . . tremendous amount of outreach with the original plan. . . because of the amount of time. . . I think it's worthy of our support. . . ." (refer to audio)

Comments: **Member Caisley:** "This item is a plan. . . it sets goals. . . . for the future of McLean County. . . .many towns/villages in the county would have the opportunity to address ordinances. . . . this does not call for the adoption of ordinances. . . . it's just one of the remedies available. . . . I favor the plan being put forward." (refer to audio)

Comments: **Member Erickson** commented regarding issue with land use minutes indicating comments that were not included in the minutes by Mr. Brown (refer to audio)

Comments: **Member Gordon** took respectful exception to Mr. Erickson's comments about Mr. Brown. "I don't believe we should be tying his hands." (refer to audio)

Comments: **Member Wendt** offered comments regarding Mr. Brown's comments at the Land Use Committee. He also stated he "would like this to be done voluntarily rather than forced to have these ordinances."

Chairman McIntyre called the question.

Chairman McIntyre instructed the Board members regarding Member Segobiano's substitute motion: "A yes vote indicates you approve of the substitute motion that will replace the original motion." The vote was: 10 yes 8 no.

Chairman McIntyre instructed Board members they now needed to vote on the original Motion. He reminded the Board that since the substitute motion had passed the original motion now contained the EPA's original plan. He stated that a vote yes was to pass the original plan the EPA brought to the Land Use Committee and not the amended plan brought to the Board today. The vote was 10 yes 8 no.

TRANSPORTATION COMMITTEE: Member Caisley, no action items to be presented

OTHER BUSINESS AND COMMUNICATION:

Member Soeldner informed all that he will convened the Rules Committee in the next few weeks and asked if Board Members have any input to please contact him.

APPROVAL OF BILLS: Chairman McIntyre presented the bills:

Member Gordon/Caisley moved the County Board approve the bills. Clerk Michael shows all Members present voting in favor of the Motion. Motion carried.

Meeting adjourned at 10:37 a.m.

STATE OF ILLINOIS)
COUNTY OF MCLEAN,) SS.
TOWN OF NORMAL)

I, Angelia Huonker, of said Town, do hereby certify that the foregoing is a true and complete copy of an original Resolution No. 5528; being a Resolution Approving the 20-Year Materials Recovery and Resource (Solid Waste) Management Plan for McLean County, Bloomington, and Normal, Illinois, which was approved at a regular meeting of said Town Council held on the 5th day of February, 2018 by an affirmative vote of the majority of all members elected to said Council, the voted having been taken by yeas and nays and entered on the record of the proceedings of said Council.

Witness my hand and seal of said Town of Normal, this 27th day of February, 2018.

(Seal)

CORPORATE TOWN OF NORMAL, ILLINOIS
1865

Town Clerk

RESOLUTION NO. 5528

A RESOLUTION APPROVING THE 20-YEAR MATERIALS RECOVERY AND RESOURCE (SOLID WASTE) MANAGEMENT PLAN FOR MCLEAN COUNTY, BLOOMINGTON, AND NORMAL, ILLINOIS

WHEREAS, the Town of Normal is a home rule unit of local government with authority to legislate in matters concerning its local government and affairs; and

WHEREAS, under the Solid Waste Planning and Recycling Act (415 ILCS 15/), each county must have an official plan for the management of solid municipal waste generated within its boundaries; and

WHEREAS, at the direction of the McLean County Solid Waste Technical Committee, the Ecology Action Center ("EAC") prepared a 20-year solid waste plan ("Plan") for McLean County, the City of Bloomington, and the Town of Normal; and

WHEREAS, on October 5, 2017, the Plan was presented to the McLean County Land Use Committee, which started a 90-day public-comment period; presentations were also made to the Bloomington City Council on October 9, 2017 and the Normal Town Council on October 16, 2017; and

WHEREAS, on December 7, 2017, the McLean County Land Use Committee held a public hearing for the Solid Waste Master Plan for McLean County; and

WHEREAS, on January 4, 2018, the 90-day public comment period ended; and

WHEREAS, on January 16, 2018, the McLean County Board approved the Plan without any modifications; and

WHEREAS, it is in the best interests of the health, safety and welfare of the citizens of Normal to approve the Plan.

NOW, THEREFORE, BE IT RESOLVED BY THE PRESIDENT AND BOARD OF TRUSTEES FOR THE TOWN OF NORMAL, ILLINOIS:

SECTION ONE: That this resolution refers to the *20-Year Materials and Resource Management Plan for McLean County, Bloomington and Normal, Illinois*, approved by the McLean County Board on January 16, 2018.

SECTION TWO: That the Town of Normal approves the *20-Year Materials and Resource Management Plan for McLean County, Bloomington and Normal, Illinois.*

SECTION THREE: That the Town Clerk is authorized and directed to retain a copy of the *20-Year Materials and Resource Management Plan for McLean County, Bloomington and Normal, Illinois* in her office for public inspection.

ADOPTED this 5th day of February, 2018.

APPROVED:

President of the Board of Trustees
of the Town of Normal, Illinois

ATTEST:

Town Clerk
(seal)

RESOLUTION NO. 2018 – 10

A RESOLUTION ADOPTING THE TWENTY-YEAR MATERIALS RECOVERY AND RESOURCE MANAGEMENT PLAN FOR MCLEAN COUNTY, BLOOMINGTON, AND NORMAL, ILLINOIS

WHEREAS, the City of Bloomington is a home rule unit of local government with authority to legislate in matters concerning its local government and affairs; and

WHEREAS, under the Solid Waste Planning and Recycling Act (415 ILCS 15/), each county must have an official plan for the management of solid municipal waste generated within its boundaries; and

WHEREAS, at the direction of the McLean County Solid Waste Technical Committee, the Ecology Action Center ("EAC") prepared the Twenty-Year Materials Recovery and Resource Management Plan for McLean County, Bloomington, and Normal Illinois ("Plan"); and

WHEREAS, on October 5, 2017, the EAC presented the Plan to the McLean County Land Use Committee, which started a 90-day public comment period, and

WHEREAS, the Plan was presented to the Bloomington City Council on October 9, 2017 and the Normal Town Council on October 16, 2017; and

WHEREAS, On December 7, 2017, the McLean County Land Use Committee held a public hearing for the Plan and

WHEREAS, on January 16, 2018, the McLean County Board approved the Plan without any modifications; and

WHEREAS, on February 5, 2017, the Town of Normal Town Council approved the Plan without any modifications; and

WHEREAS, through its comprehensive plan, the City of Bloomington has established the goal to provide more efficient and sustainable municipal solid waste management;

NOW THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF BLOOMINGTON, ILLINOIS:

That the Twenty-Year Materials and Resource Management Plan for McLean County, Bloomington and Normal, Illinois, labeled "Exhibit A," is hereby adopted.

PASSED this 25th day of February 2018.
APPROVED this 27th day of February 2018.

CITY OF BLOOMINGTON:

Tari Renner, Mayor

ATTEST:

Cherry L. Lawson, City Clerk

9.1 INTRODUCTION 9-1

9.2 LOCATION OF REGULATED RECHARGE 9-1

9.3 CONCLUSION 9-1

9.4 CERTIFICATION 9-2

APPENDICES

Appendix 9-A: Location of Regulated Recharge Area and Proposed Facility

9. IF THE FACILITY WILL BE LOCATED WITHIN A REGULATED RECHARGE AREA, ANY APPLICABLE REQUIREMENTS SPECIFIED BY THE (ILLINOIS POLLUTION CONTROL) BOARD FOR SUCH AREAS HAVE BEEN MET

9.1 INTRODUCTION

Criterion 9 of Section 39.2 of the Illinois Environmental Protection Act requires if the facility will be located within a regulated recharge area, any and all applicable requirements specified by the Board for such area have been met.

9.2 LOCATION OF REGULATED RECHARGE

Regulated recharge areas are established by Illinois EPA regulations pursuant to the provisions of Sections 17.3 and 17.4 of the Illinois Environmental Protection Act (Act) (415 ILCS 5/17.3 and 5/17.4). Regulations related to regulated recharge areas are enumerated in 35 Ill. Adm. Code Part 617. These regulations provide general and specific requirements, and delineate designated recharge areas within the State. According to 35 Ill. Adm. Code Part 617, only one regulated recharge area exists in Illinois. This regulated recharge area, known as the Pleasant Valley Public Water District (PVPWD) Regulated Recharge Area, is located in Peoria County. The boundaries of the PVPWD Regulated Recharge Area are demarcated in a map within 35 Ill. Admin. Code Part 617 Subpart B (Appendix A). The approximate locations of the PVPWD regulated recharge area in Peoria County and the proposed facility in McLean County have been shown in Appendix 9-A - Location of Regulated Recharge Area and Proposed Facility. It was created using the Illinois EPA Source Water Assessment Program (SWAP) ArcIMS Mapping Tool.

9.3 CONCLUSION

A review of the regulations demonstrates that the proposed facility is not located within an area that is designated as a regulated recharge area. Accordingly, there are no applicable Board requirements to meet. Therefore, the proposed facility satisfies Criteria 9.

9.4 CERTIFICATION

I hereby certify that all information contained in this Application for Local Siting Approval for Criterion 9 was prepared by me or under my direct supervision, and is true and correct to the best of my knowledge and belief.

Karl W. Finke, P.E.

8/16/23
Date

062.068571-IL
Professional Engineering Registration Number and State

APPENDIX 9-A:

LOCATION OF REGULATED RECHARGE AREA AND PROPOSED FACILITY

Tab: Layout1 Last Saved: March 7, 2022, by Ben Karpus Plotted: Monday, March 7, 2022 9:05:56 AM
J:\H\Henson Disposal\DWG\Location of Regulated Recharge Area and Proposed Facility.dwg

NO.	DATE	REVISION DESCRIPTION	BY

ANDREWS ENGINEERING
3300 GINGER CREEK DRIVE
SPRINGFIELD, ILLINOIS 62711-7233
PH (217) 787-2334 WWW.ANDREWS-ENG.COM
POINTIAC, IL • LOMBARD, IL • INDIANAPOLIS, IN • WARRENTON, MO

DESIGNED BY: AB | DRAWN BY: BCK | APPROVED BY: AB

LOCATION OF REGULATED RECHARGE AREA & PROPOSED AREA

PREPARED FOR
HENSON DISPOSAL CENTER
BLOOMINGTON, MCLEAN COUNTY, ILLINOIS

DATE: MARCH 2022

PROJECT ID: 220044/0006

SHEET NUMBER:

9-1

© 2022 Andrews Engineering, Inc.

SI-1

MAILING AFFIDAVIT
NOTICE AND MAILING LIST

AFFIDAVIT OF SERVICE OF MAILING

STATE OF ILLINOIS)
) ss.
COUNTY OF DUPAGE)

Richard M. Guerard, being duly sworn, state that on the 25th day of July, 2023, I served a true copy of the Notice of Intent to File by mailing the same in a sealed envelope, with postage prepaid thereon, by Registered Mail, Return Receipt Requested, to each party on the attached Notices List.

By: Richard M. Guerard

Sworn to before me this 25th day of

July, 2023.

Notary Public

OFFICIAL SEAL
JULIE M HEINZ
NOTARY PUBLIC - STATE OF ILLINOIS
MY COMMISSION EXPIRES:04/11/24

NOTICE OF INTENT TO FILE A REQUEST FOR LOCAL SITING APPROVAL OF A NEW POLLUTION CONTROL FACILITY WITH THE COUNTY OF McLEAN, ILLINOIS

YOU ARE HEREBY NOTIFIED THAT, pursuant to §39.2(b) of the Illinois Environmental Protection Act ("the Act") 415 ILCS 5/39.2(b), the Applicant, Lakeshore Recycling Systems, LLC ("LRS"), will file its Request for Siting Approval for a new pollution control facility with the County of McLean, Illinois, 115 E. Washington St., Rm. 102, Bloomington, Il. 61702, on August 18, 2023. In their request for siting approval, the Applicant will seek approval to site, permit, construct, develop and operate a transfer station as defined by Section 3.500 of the Illinois Environmental Protection Act (the "Act") (415 ILCS 5/3.500), the Henson Recycling Campus Transfer Station, which is generally located east of Bunn St, north of Rhodes Ln., and southwest of the Norfolk Southern RR tracks in Bloomington, Illinois.

The proposed facility encompasses approximately 3.09 acres and is legally described as follows:

A part of Lot 2 in Owner's Subdivision of part of the NW1/4 of Section 15, Township 23 North, Range 2 East of the Third Principal Meridian, McLean County, Illinois, more particularly described as follows: Commencing at the northwest corner of Lot 2 in Owner's Subdivision of part of the NW1/4 of Section 15 according to the Plat thereof recorded in Plat Book 9 on Page 82; thence N.89°-29'-46"E. 502.39 feet on the north line of said Lot 2 to the Point of Beginning; thence continuing N.89°-29'-46"E. 300.00 feet on the north line of said Lot 2; thence S.00°-25'-59"E. 459.60 feet to a point 1003.00 feet north of the south line of the NW1/4 of said Section 15; thence S.87°-25'- 14"W. 280.00 feet parallel with the south line of the NW1/4 of said Section 15 to a point 1003.00 feet east of the west line of the NW1/4 of said Section 15; thence N.02°-53'- 43"W. 470.15 feet parallel with the west line of the NW1/4 of said Section 15 to the Point of Beginning containing 3.09 acres, more or less.

The proposed facility will be part of the HDI Subdivision, the preliminary Plan for which was approved by the McLean County Board on Feb. 16, 2023. In said Plan the proposed facility is legally described as:

Lot 3 in HDI Subdivision being a part of the NW¼ of Section 15, Township 23 North, Range 2 East of the Third Principal Meridian, McLean County, Illinois.

The proposed facility would be a non-hazardous solid waste transfer station which will accept non-hazardous waste for temporary storage, sorting, consolidation, and further transfer to a waste disposal/treatment facility. The Applicant will develop and operate the transfer station only as approved by the Illinois Environmental Protection Agency, other applicable regulatory agencies, and as authorized by

applicable statutes and regulations. The material accepted for transfer will be general municipal solid waste, recyclables and construction or demolition debris generated by residential, commercial and industrial sources. The facility intends to handle a maximum daily average of 400 tons of material. The facility is projected to have an operating life of at least 20 years.

The Applicant is Lakeshore Recycling Systems, LLC, whose address is 5500 Pearl St., Rosemont, Il. 60018.

On August 18, 2023, the Applicant will file with the County of McLean, Illinois, their Request for Siting Approval. The request will include the substance of the Applicant's proposal and supporting documents.

The Request filed by the Applicant with the McLean County Clerk will be available for your inspection in the McLean County Clerk's Office located at 115 E. Washington St., Rm. 102, Bloomington, Il. 61702, during normal business hours daily, not including weekends or holidays. Copies of the request or any part thereof will be available from the McLean County Clerk upon payment of the actual cost of reproduction, as outlined in the Illinois Freedom of Information Act (5 ILCS 140/1 *et seq.*).

The County of McLean must hold at least one public hearing no sooner than 90 days but no later than 120 days from its receipt of the Request for Siting Approval. You may appear at the Hearing and may comment on the application or formally participate in the proceedings. Any person appearing at the public hearing shall have the right to give testimony and comment on the suitability of the proposed use for the site location. Any person testifying shall be required to state his name and address. Any person shall have the right to be represented by a licensed attorney at law at the public hearing(s). Such attorneys shall have the right of reasonable cross-examination.

Any person may file written comments with the McLean County Clerk concerning the appropriateness of the proposed site for its intended purpose. The McLean County Board shall consider any comment received or postmarked from the date of acceptance of the Application through and until 30 days after the date of the last public hearing. Said written comment shall be mailed or delivered to the McLean County Clerk, 115 E Washington St., Rm. 102, Bloomington, Il. 61702. For further information

concerning the hearing procedures and your right to comment and participate, please consult the Pollution Control Facilities Ordinance, Ch. 289, Section 11 in the McLean County Code.

Submitted by Lakeshore Recycling Systems, LLC

By its attorneys:

George Mueller
Mueller Anderson & Associates Law Office
1S123 Gardener Way.
Winfield, Illinois 60190
630-235-0606
George@muelleranderson.com

Rich Guerard
Guerard, Kalina & Butkus
310 S. County Farm Road, Suite H
Wheaton Illinois 60187-2409
630-698-4700 (direct/cell)
Rich@wydp.com

1, 27, 46
TKNTK, LLC
PO Box 1058
Bloomington, IL 61702
21-15-152-010
21-15-102-006
21-15-102-005

2, 4
TKNTK, LLC
2148 Tri Lakes Rd.
Bloomington, IL 61704
21-15-151-020
21-15-151-018

3
Bierbaum, Joseph R
14646 E 300 North Rd
Heyworth, IL 61745-7507
21-15-151-019

5
Bradford Supply Co
Attn: Jan Wagy
PO Box 246
Robinson, IL 62454-2046
21-15-102-008

Tract 6 & 7
Norfolk & Western Railway
Three Commercial Place – Box 209
Norfolk, VA 23510
21-15-503-001
21-15-504-001

Alternate Address for Tracts 6 & 7
Norfolk Southern Corporation
650 W Peachtree St NW
Atlanta, GA 30308

Alternate Address for Tracts 6 & 7
Consolidated Rail Corporation
PO Box 8499
Philadelphia, PA 19101-0000

8
FAIRCHILD, RAYMOND JR
20 CURRENCY DR
BLOOMINGTON, IL, 61704-9130
21-15-105-005

9
BCA LLC
112 TIMBER RIDGE RD
LEXINGTON, IL, 61753-1621
21-15-105-007

10
McLean Commercial Corp
c/o Brent Alsman
PO Box 1064
Bloomington, IL 61702-1064
21-15-105-017

11, 18
Rock Rose Properties LLC
c/o Brent Alsman
PO Box 1064
Bloomington, IL 61702-1064
21-15-105-023
21-15-179-001

12
KESSINGER, RICK
10 Finance Dr
Bloomington, IL, 61704-9183
21-15-128-019

13, 19
Potini Group LLC
2011 S. Main St, Ste 104
Bloomington, IL 61704-7300
21-15-128-007
21-15-179-002

14
A & M HEARTLAND PROPERTIES LLC
9 ANN ARBOR CT
BLOOMINGTON, IL, 61705-8807
21-15-128-006

15
McLean Commercial Corp.
PO Box 1064
Bloomington, IL 61702-1064
21-15-128-024

16
LEMAN INVESTMENTS LLC
1602 COMMERCE PKWY
BLOOMINGTON, IL, 61704-9608
21-15-127-001

17
BT LAND TRUST
1602 COMMERCE PKWY
BLOOMINGTON, IL, 61704
21-15-127-002

20
Advance Trading Inc.
PO Box 1027
Bloomington, IL 61702
21-15-179-007

21
Shanks, Christopher & Elisa
2103 Crimson Ln
Bloomington, IL 61704-2742
21-15-177-009

22
Potini Group LLC
15519 Crestwicke Dr.
Bloomington, IL 61705-5419
21-15-177-004

23
White Property Development LLC
7330 N. 2200 East Rd
Fairbury, IL 61739-9169
21-15-152-007

24
Nord Enterprises
2006 W. Washington St.
Bloomington, IL 61705-5101
21-15-152-011

25, 26
Shanks, Elisa
1506 Rhodes Lane
Bloomington, IL 61704
21-15-177-011
21-15-177-010

28
DAVID CAPODICE
2820 CAPODICE RD
BLOOMINGTON, IL 61704-5621
21-15-101-006

29, 30, 31
CITIZENS FIRST BANK
1442 LINCOLN WAY
CLINTON, IA 52732-7043
21-15-103-021
21-15-103-019
21-15-103-018

32
BELLAS LANDSCAPING LLC
2405 FOX CREEK RD
BLOOMINGTON, IL 61705-5261
21-15-105-024

33
ROBERT A BRIGGS
371 CHANNELSIDE WALK WAY UNIT 403
TAMPA, FL 33602-6767
21-15-105-003

34
JOHN SHANK
14 S ASHLAND AVE #404
LA GRANGE, IL 60525-2007
21-15-105-021

35
Gizhoski Properties LLC
3 Currency Drive
BLOOMINGTON, IL, 61704
21-15-105-002

36
EXCHANGERIGHT NET LEASED PORTFOLIO 11 DST
c/o EXCHAGERIGHT REAL ESTATE LLC
PO BOX 60308
PASADENA, CA, 91116-6308
21-15-105-019

37
MCJEWELS LLC
14 WORTHINGTON CT
BLOOMINGTON, IL 61704-2794
21-15-128-021

38
ONPROP LLC
c/o BRENT ALSMAN PO BOX 1064
BLOOMINGTON, IL 61702-1064
21-15-128-022

39
Space Worx LLC
1 BRICKYARD DR
BLOOMINGTON, IL 61701-7513
21-15-128-023

40
OREILLY AUTO PARTS
P O BOX 9167
SPRINGFIELD, MO 65801-9167
21-15-128-012

41
POTINI, SRILATH A
15519 CRESTWICKE DR
BLOOMINGTON, IL, 61704
21-15-126-022

42
HOS II, LLC
c/o STARK MANAGEMENT
1805 W WASHINGTON ST
BLOOMINGTON, IL, 61701-3703
21-15-176-003

43
JOHN W DAVIS
1627 COMMERCE PKWY
BLOOMINGTON, IL 61704-9608
21-15-179-005

44
BT LAND TRUST
c/o VETA RODGERS
200 E COURTLAND ST
MORTON, IL, 61550
21-15-179-006

45
HFV INVESTMENT LLC
1707 E HAMILTON RD STE 1A
BLOOMINGTON, IL 61704-9607
21-15-178-001

47
McLean County Trustee
PO Box 96
Edwardsville, IL 62025
21-15-177-003

Keith P. Sommer, Representative, District 88
216-N Stratton Office Building
Springfield, IL 62706

Keith P. Sommer, Representative, District 88
District Office
121 West Jefferson
Morton, IL 61550

Dan Caulkins, Representative, District 88
715 West Imboden Drive
Decatur, IL 62521

Sally J. Turner, Senator District 44
Capitol Office
Stratton Office Building
Section B, Office A
Springfield, IL 62706

Sally J. Turner, Senator District 44
District Office
120 S. McLean St, Suite E
Lincoln, IL 62656

City of Bloomington
109 E Olive St
Bloomington IL 61701

McLean Commercial Corp.
PO Box 5110
Bloomington, IL 61702

First Financial Bank Land Trust, Trust 5392
1 Towne Ctr
Danville, IL 61832-5846

Connour, Kipp
1902 Bunn St
Bloomington, IL 61704-7421

TKNTK, LLC
1905 Garling Drive
Bloomington, IL 61701

Marigold Properties, LLC
PO Box 5110
Bloomington, IL 61702

SI-2

REGISTERED MAIL SENDER RECEIPTS

Registered No. RF680134481US

Date Stamp: 0187 11 WHEATON IL 60187 JUL 25 2023

To Be Completed By Post Office

Postage $ $0.66	Extra Services & Fees (continued) ☐ Signature Confirmation $ ☐ Signature Confirmation Restricted Delivery $
Extra Services & Fees ☐ Registered Mail $ $17.55 ☐ Return Receipt (hardcopy) $ $3.55 ☐ Return Receipt (electronic) $ $0.00 ☐ Restricted Delivery $ $0.00	Total Postage & Fees $ $21.76
Customer Must Declare Full Value $ 50.00 $50.00	Received by 07/25/2023

Domestic Insurance up to $50,000 is included based upon the declared value. International Indemnity is limited. (See Reverse).

OFFICIAL USE

To Be Completed By Customer (Please Print) All Entries Must Be in Ballpoint or Typed

FROM
RICHARD M. GUERARD
WHEATON, IL 60187
GUERARD KALINA BUTKUS
310 S. COUNTY FARM RD, H
WHEATON, IL 60187

TO
TKNTK LLC
PO BOX 1058
Bloomington, IL 61702
BLOOMINGTON IL 61702

PS Form **3806, Registered Mail Receipt**
April 2015, PSN 7530-02-000-9051
For domestic delivery information, visit our website at *www.usps.com* ®

Copy 1 - Customer
(See Information on Reverse)

Registered No. RF680134478US

Date Stamp: 0187 11 WHEATON IL 60187 JUL 25 2023

To Be Completed By Post Office

Postage $ $0.66	Extra Services & Fees (continued) ☐ Signature Confirmation $ ☐ Signature Confirmation Restricted Delivery $
Extra Services & Fees ☐ Registered Mail $ $17.55 ☐ Return Receipt (hardcopy) $ $3.55 ☐ Return Receipt (electronic) $ $0.00 ☐ Restricted Delivery $ $0.00	Total Postage & Fees $
Customer Must Declare Full Value $ 50.00 $50.00	Received by 07/25/2023

Domestic Insurance up to $50,000 is included based upon the declared value. International Indemnity is limited. (See Reverse)

OFFICIAL USE

To Be Completed By Customer (Please Print) All Entries Must Be in Ballpoint or Typed

FROM
RICHARD M GUERARD
WHEATON, IL 60187
GUERARD KALINA & BUTKUS
310 S COUNTY FARM RD, H
WHEATON, IL 60187

TO
TKNTK, LLC
2148 TRI LAKES RD
Bloomington, IL 61704
BLOOMINGTON, IL 61704

PS Form **3806, Registered Mail Receipt**
April 2015, PSN 7530-02-000-9051
For domestic delivery information, visit our website at *www.usps.com* ®

Copy 1 - Custome
(See Information on Reverse

Registered No. RF680134481US

Date Stamp: 0187 11 WHEATON IL 60187 JUL 25 2023

To Be Completed By Post Office

Postage $ $0.66	Extra Services & Fees (continued) ☐ Signature Confirmation $ ☐ Signature Confirmation Restricted Delivery $
Extra Services & Fees ☐ Registered Mail $ $17.55 ☐ Return Receipt (hardcopy) $ $3.55 ☐ Return Receipt (electronic) $ $0.00 ☐ Restricted Delivery $ $0.00	Total Postage & Fees $ $21.76
Customer Must Declare Full Value $ 50.00 $50.00	Received by 07/25/2023

Domestic Insurance up to $50,000 is included based upon the declared value. International Indemnity is limited. (See Reverse).

OFFICIAL USE

To Be Completed By Customer (Please Print) All Entries Must Be in Ballpoint or Typed

FROM
GUERARD KALINA & BUTKUS
WHEATON, IL 60187
RICHARD M GUERARD
310 S COUNTY FARM RD, H
WHEATON, IL 60187

TO
BIERBAUM, JOSEPH R
14646 E 300 NORTH RD
Heyworth, IL 61745
HEYWORTH, IL 61745-7507

PS Form **3806, Registered Mail Receipt**
April 2015, PSN 7530-02-000-9051
For domestic delivery information, visit our website at *www.usps.com* ®

Copy 1 - Customer
(See Information on Reverse)

Registered No. RF680134485US

Date Stamp: 0187 11 WHEATON IL 60187 JUL 25 2023

To Be Completed By Post Office

Postage $ $0.66	Extra Services & Fees (continued) ☐ Signature Confirmation $ ☐ Signature Confirmation Restricted Delivery $
Extra Services & Fees ☐ Registered Mail $ $17.55 ☐ Return Receipt (hardcopy) $ $3.55 ☐ Return Receipt (electronic) $ $0.00 ☐ Restricted Delivery $ $0.00	Total Postage & Fees $
Customer Must Declare Full Value $ 50.00 $50.00	Received by 07/25/2023

Domestic Insurance up to $50,000 is included based upon the declared value. International Indemnity is limited. (See Reverse

OFFICIAL USE

To Be Completed By Customer (Please Print) All Entries Must Be in Ballpoint or Typed

FROM
RICHARD M GUERARD
WHEATON, IL 60187
GUERARD KALINA & BUTKUS
310 S COUNTY FARM RD, H
WHEATON, IL 60187

TO
BRADFORD SUPPLY CO.
ATTN: JAN WAGY
Robinson, IL 62454
PO BOX 246
ROBINSON IL 62454-2046

PS Form **3806, Registered Mail Receipt**
April 2015, PSN 7530-02-000-9051
For domestic delivery information, visit our website at *www.usps.com* ®

Copy 1 - Custon
(See Information on Rever

Registered No.

RF680134504US

Date Stamp

0187
11
JUL 25 2023

To Be Completed By Post Office

Postage $ $0.66	Extra Services & Fees (continued)
Extra Services & Fees	☐ Signature Confirmation $
☐ Registered Mail $ $17.55	☐ Signature Confirmation Restricted Delivery $
☐ Return Receipt (hardcopy) $	Total Postage & Fees
☐ Return Receipt (electronic) $ $3.55 $0.00	$ $21.76
☐ Restricted Delivery $0.00	Received by
Customer Must Declare Full Value $ 50.00 $50.00	07/25/2023

Domestic Insurance up to $50,000 is included based upon the declared value. International Indemnity is limited. (See Reverse).

OFFICIAL USE

To Be Completed By Customer (Please Print) All Entries Must Be In Ballpoint or Typed

FROM
RICHARD M GUERARD
WHEATON, IL 60187
GUERARD KALINA & BUTKUS
310 S COUNTY FARM RD, H
WHEATON, IL 60187

TO
NORFOLK SOUTHERN CORPORATION
650 W PEACHTREE ST NW
Atlanta, GA 30308
ATLANTA GA 30308

PS Form **3806, Registered Mail Receipt** *Copy 1 - Customer*
April 2015, PSN 7530-02-000-9051 *(See Information on Reverse)*
For domestic delivery information, visit our website at *www.usps.com* ®

Registered No.

RF680134518US

Date Stamp

0187
11

To Be Completed By Post Office

Postage $ $0.66	Extra Services & Fees (continued)
Extra Services & Fees	☐ Signature Confirmation $
☐ Registered Mail $ $17.55	☐ Signature Confirmation Restricted Delivery $
☐ Return Receipt (hardcopy) $	Total Postage & Fees
☐ Return Receipt (electronic) $ $3.55 $0.00	$ $21.76
☐ Restricted Delivery $0.00	Received by
Customer Must Declare Full Value $ 50.00 $50.00	07/25/2023

Domestic Insurance up to $50,000 is included based upon the declared value. International Indemnity is limited. (See Reverse).

OFFICIAL USE

To Be Completed By Customer (Please Print) All Entries Must Be In Ballpoint or Typed

FROM
RICHARD M GUERARD
WHEATON, IL 60187
GUERARD KALINA & BUTKUS
310 S. COUNTY FARM RD, SUITE H
WHEATON, IL 60187

TO
NORFOLK & WESTERN RAILWAY
THREE COMMERCIAL PLACE - BOX 209
NORFOLK, VA 23510
NORFOLK, VA 23510

PS Form **3806, Registered Mail Receipt** *Copy 1 - Customer*
April 2015, PSN 7530-02-000-9051 *(See Information on Reverse)*
For domestic delivery information, visit our website at *www.usps.com* ®

Registered No.

RF680134521US

Date Stamp

0187
11

To Be Completed By Post Office

Postage $ $0.66	Extra Services & Fees (continued)
Extra Services & Fees	☐ Signature Confirmation $
☐ Registered Mail $	☐ Signature Confirmation Restricted Delivery $
☐ Return Receipt (hardcopy) $ $17.55	Total Postage & Fees
☐ Return Receipt (electronic) $ $3.55 $0.00	$
☐ Restricted Delivery $0.00	Received by
Customer Must Declare Full Value $ 50.00 $50.00	07/25/2023

Domestic Insurance up to $50,000 is included based upon the declared value. International Indemnity is limited. (See Reverse).

OFFICIAL USE

To Be Completed By Customer (Please Print) All Entries Must Be In Ballpoint or Typed

FROM
RICHARD M GUERARD
WHEATON, IL 60187
GUERARD KALINA & BUTKUS
310 S COUNTY FARM RD, H
WHEATON, IL 60187

TO
CONSOLIDATED RAIL CORPORATION
PO BOX 8499
Philadelphia, PA 19101
PHILADELPHIA, PA 19101-0000

PS Form **3806, Registered Mail Receipt** *Copy 1 - Customer*
April 2015, PSN 7530-02-000-9051 *(See Information on Reverse)*
For domestic delivery information, visit our website at *www.usps.com* ®

Registered No.

RF680134513US

Date Stamp

0187
11

To Be Completed By Post Office

Postage $ $0.66	Extra Services & Fees (continued)
Extra Services & Fees	☐ Signature Confirmation $
☐ Registered Mail $	☐ Signature Confirmation Restricted Delivery $
☐ Return Receipt (hardcopy) $ $17.55	Total Postage & Fees
☐ Return Receipt (electronic) $ $3.55 $0.00	$
☐ Restricted Delivery $0.00	Received by
Customer Must Declare Full Value $ 50.00 $50.00	$21.76 07/25/2023

Domestic Insurance up to $50,000 is included based upon the declared value. International Indemnity is limited. (See Reverse

OFFICIAL USE

To Be Completed By Customer (Please Print) All Entries Must Be In Ballpoint or Typed

FROM
RICHARD M GUERARD
WHEATON, IL 60187
GUERARD KALINA & BUTKUS
310 S COUNTY FARM RD, H
WHEATON IL 60187

TO
FAIRCHILD, RAYMOND JR
20 CURRENCY DR
BLOOMINGTON, IL 61704-9130

PS Form **3806, Registered Mail Receipt** *Copy 1 - Custom*
April 2015, PSN 7530-02-000-9051 *(See Information on Revers*
For domestic delivery information, visit our website at *www.usps.com* ®

Registered No. RF680134545US

Date Stamp 0187 11

To Be Completed By Post Office

Postage $ $0.66	Extra Services & Fees (continued)
Extra Services & Fees	☐ Signature Confirmation $
☐ Registered Mail $	☐ Signature Confirmation Restricted Delivery $
☐ Return Receipt (hardcopy) $ $17.55	**Total Postage & Fees**
☐ Return Receipt (electronic) $ $3.55	$
☐ Restricted Delivery $ $0.00	
Customer Must Declare Full Value $ 50.00 $50.00	Received by $21.76 07/25/2023

Domestic Insurance up to $50,000 is included based upon the **declared value**. International Indemnity is limited. (See Reverse).

To Be Completed By Customer (Please Print) All Entries Must Be in Ballpoint or Typed

FROM
RICHARD M GUERARD
GUERARD KALINA & BUTKUS
310 S COUNTY FARM RD, H
WHEATON, IL 60187

TO
BCA LLC
112 TIMBER RIDGE RD
LEXINGTON, IL 61753-1621

PS Form **3806, Registered Mail Receipt**
April 2015, PSN 7530-02-000-9051
For domestic delivery information, visit our website at *www.usps.com*®

Copy 1 - Customer
(See Information on Reverse)

Registered No. RF680134552US

Date Stamp 0187 11

To Be Completed By Post Office

Postage $ $0.66	Extra Services & Fees (continued)
Extra Services & Fees	☐ Signature Confirmation $
☐ Registered Mail $ $17.55	☐ Signature Confirmation Restricted Delivery $
☐ Return Receipt (hardcopy) $ $3.55	**Total Postage & Fees**
☐ Return Receipt (electronic) $ $0.00	$ $21.76
☐ Restricted Delivery $ $0.00	
Customer Must Declare Full Value $ 50.00 $50.00	Received by 07/25/2023

Domestic Insurance up to $50,000 is included based upon the **declared value**. International Indemnity is limited. (See Reverse).

To Be Completed By Customer (Please Print) All Entries Must Be in Ballpoint or Typed

FROM
RICHARD M GUERARD WHEATON, IL 60187
GUERARD KALINA BUTKUS
310 S COUNTY FARM RD, H
WHEATON, IL 60187

TO
MC LEAN COMMERCIAL CORP
C/O BRENT ALSMAN Bloomington, IL 61702
PO BOX 1064
BLOOMINGTON IL 61702-1064

PS Form **3806, Registered Mail Receipt**
April 2015, PSN 7530-02-000-9051
For domestic delivery information, visit our website at *www.usps.com*®

Copy 1 - Customer
(See Information on Reverse)

Registered No. RF680134566US

Date Stamp 0187 11

To Be Completed By Post Office

Postage $ $0.66	Extra Services & Fees (continued)
Extra Services & Fees	☐ Signature Confirmation $
☐ Registered Mail $ $17.55	☐ Signature Confirmation Restricted Delivery $
☐ Return Receipt (hardcopy) $ $3.55	**Total Postage & Fees**
☐ Return Receipt (electronic) $ $0.00	$ $21.76
☐ Restricted Delivery $ $0.00	
Customer Must Declare Full Value $ 50.00 $50.00	Received by 07/25/2023

Domestic Insurance up to $50,000 is included based upon the **declared value**. International Indemnity is limited. (See Reverse).

To Be Completed By Customer (Please Print) All Entries Must Be in Ballpoint or Typed

FROM
RICHARD M GUERARD WHEATON, IL 60187
GUERARD KALINA & BUTKUS
310 S COUNTY FARM RD, H
WHEATON, IL 60187

TO
ROCK ROSE PROPERTIES LLC
C/O BRENT ALSMAN Bloomington, IL 61702
PO BOX 1064
BLOOMINGTON IL 61702-1064

PS Form **3806, Registered Mail Receipt**
April 2015, PSN 7530-02-000-9051
For domestic delivery information, visit our website at *www.usps.com*®

Copy 1 - Customer
(See Information on Reverse)

Registered No. RF680134578US

Date Stamp 0187 11

To Be Completed By Post Office

Postage $ $0.66	Extra Services & Fees (continued)
Extra Services & Fees	☐ Signature Confirmation $
☐ Registered Mail $	☐ Signature Confirmation Restricted Delivery $
☐ Return Receipt (hardcopy) $ $17.55	**Total Postage & Fees**
☐ Return Receipt (electronic) $ $3.55	$
☐ Restricted Delivery $ $0.00	
Customer Must Declare Full Value $ 50.00 $50.00	Received by $21.76 07/25/2023

Domestic Insurance up to $50,000 is included based upon the **declared value**. International Indemnity is limited. (See Reverse).

To Be Completed By Customer (Please Print) All Entries Must Be in Ballpoint or Typed

FROM
RICHARD M GUERARD WHEATON, IL 60187
GUERARD KALINA AND BUTKUS
310 S COUNTY FARM RD, H
WHEATON, IL 60187

TO
KESSINGER, RICK
10 FINANCE DR
Bloomington, IL 61704
BLOOMINGTON, IL 61704-9183

PS Form **3806, Registered Mail Receipt**
April 2015, PSN 7530-02-000-9051
For domestic delivery information, visit our website at *www.usps.com*®

Copy 1 - Custor
(See Information on Rever

Registered No. RF680134583US

Date Stamp 0187 11

To Be Completed By Post Office	
Postage $ $0.66	Extra Services & Fees (continued) ☐ Signature Confirmation $ ☐ Signature Confirmation Restricted Delivery $
Extra Services & Fees ☐ Registered Mail $17.55 ☐ Return Receipt (hardcopy) $ ☐ Return Receipt (electronic) $3.55 $0.00 ☐ Restricted Delivery $0.00	Total Postage & Fees $
Customer Must Declare Full Value $ 50.00	Received by 07/25/2023

Domestic Insurance up to $50,000 is included based upon the declared value. International Indemnity is limited. (See Reverse).

To Be Completed By Customer (Please Print) All Entries Must Be in Ballpoint or Typed

FROM
RICHARD M GUERARD WHEATON, IL 60187
GUERARD KALINA & BUTKUS
310 S COUNTY FARM RD, H
WHEATON, IL 60187

TO
POTINI GROUP LLC
2011 S MAIN ST, STE 104
Bloomington, IL 61704
BLOOMINGTON, IL 61704-7300

PS Form **3806, Registered Mail Receipt** *Copy 1 - Customer*
April 2015, PSN 7530-02-000-9051 *(See Information on Reverse)*
For domestic delivery information, visit our website at *www.usps.com*®

Registered No. RF680134597US

Date Stamp 0187 11

To Be Completed By Post Office	
Postage $ $0.66	Extra Services & Fees (continued) ☐ Signature Confirmation $ ☐ Signature Confirmation Restricted Delivery $
Extra Services & Fees ☐ Registered Mail $17.55 ☐ Return Receipt (hardcopy) $3.55 ☐ Return Receipt (electronic) $0.00 ☐ Restricted Delivery $0.00	Total Postage & Fees $ $21.76
Customer Must Declare Full Value $ 50.00	Received by 07/25/2023

Domestic Insurance up to $50,000 is included based upon the declared value. International Indemnity is limited. (See Reverse).

To Be Completed By Customer (Please Print) All Entries Must Be in Ballpoint or Typed

FROM
WHEATON, IL 60187
RICHARD M GUERARD
GUERARD KALINA & BUTKUS
310 S COUNTY FARM RD, H
WHEATON, IL 60187

TO
A & M HEARTLAND PROPERTIES LLC
9 ANN ARBOR CT
Bloomington, IL 61705
BLOOMINGTON, IL 61705-8807

PS Form **3806, Registered Mail Receipt** *Copy 1 - Customer*
April 2015, PSN 7530-02-000-9051 *(See Information on Reverse)*
For domestic delivery information, visit our website at *www.usps.com*®

Registered No. RF680134668US

Date Stamp 0187 11

To Be Completed By Post Office	
Postage $ $0.66	Extra Services & Fees (continued) ☐ Signature Confirmation $ ☐ Signature Confirmation Restricted Delivery $
Extra Services & Fees ☐ Registered Mail $17.55 ☐ Return Receipt (hardcopy) $ ☐ Return Receipt (electronic) $3.55 $0.00 ☐ Restricted Delivery $0.00	Total Postage & Fees $
Customer Must Declare Full Value $ 50.00	Received by 07/25/2023

Domestic Insurance up to $50,000 is included based upon the declared value. International Indemnity is limited. (See Reverse).

To Be Completed By Customer (Please Print) All Entries Must Be in Ballpoint or Typed

FROM
RICHARD M GUERARD WHEATON, IL 60187
GUERARD KALINA BUTKUS
310 S COUNTY FARM RD, H
WHEATON, IL 60187

TO
MCLEAN COMMERCIAL CORP.
P.O. BOX 1064
Bloomington, IL 61702
BLOOMINGTON, IL 61702-1064

PS Form **3806, Registered Mail Receipt** *Copy 1 - Customer*
April 2015, PSN 7530-02-000-9051 *(See Information on Reverse)*
For domestic delivery information, visit our website at *www.usps.com*®

Registered No. RF680134637US

Date Stamp 0187 11

To Be Completed By Post Office	
Postage $ $0.66	Extra Services & Fees (continued) ☐ Signature Confirmation $ ☐ Signature Confirmation Restricted Delivery $
Extra Services & Fees ☐ Registered Mail $17.55 ☐ Return Receipt (hardcopy) $ ☐ Return Receipt (electronic) $3.55 $0.00 ☐ Restricted Delivery $0.00	Total Postage & Fees $
Customer Must Declare Full Value $ 50.00	Received by 07/25/2023

Domestic Insurance up to $50,000 is included based upon the declared value. International Indemnity is limited. (See Reverse

To Be Completed By Customer (Please Print) All Entries Must Be in Ballpoint or Typed

FROM
RICHARD M GUERARD WHEATON, IL 60187
GUERARD KALINA & BUTKUS
310 S COUNTY FARM RD, H
WHEATON, IL 60187

TO
LEMAN INVESTMENTS LLC
1602 COMMERCE PKWY
Bloomington, IL 61704
BLOOMINGTON IL 61704-9608

PS Form **3806, Registered Mail Receipt** *Copy 1 - Custor*
April 2015, PSN 7530-02-000-9051 *(See Information on Rever*
For domestic delivery information, visit our website at *www.usps.com*®

Registered No.

RF680134610US

Date Stamp

0187
11

To Be Completed By Post Office

Postage $ $0.66	Extra Services & Fees (continued)
Extra Services & Fees	☐ Signature Confirmation $
☐ Registered Mail $17.55	☐ Signature Confirmation Restricted Delivery $
☐ Return Receipt (hardcopy) $ $3.55	Total Postage & Fees
☐ Return Receipt (electronic) $ $0.00	$ $21.76
☐ Restricted Delivery $0.00	
Customer Must Declare Full Value $ 50.00	Received by 07/25/2023

Domestic Insurance up to $50,000 is included based upon the declared value. International Indemnity is limited. (See Reverse).

OFFICIAL USE

To Be Completed By Customer (Please Print) All Entries Must Be in Ballpoint or Typed

FROM
WHEATON, IL 60187
RICHARD M GUERARD
GUERARD KALINA & BUTKUS
310 S COUNTY FARM RD, H
WHEATON, IL 60187

TO
BT LAND TRUST
1602 COMMERCE PKWY
Bloomington, IL 61701
BLOOMINGTON IL 61704

PS Form **3806, Registered Mail Receipt**
April 2015, PSN 7530-02-000-9051
For domestic delivery information, visit our website at www.usps.com ®

Copy 1 - Customer
(See Information on Reverse)

Registered No.

RF680134623US

Date Stamp

0187
11

To Be Completed By Post Office

Postage $ $0.66	Extra Services & Fees (continued)
Extra Services & Fees	☐ Signature Confirmation $
☐ Registered Mail $17.55	☐ Signature Confirmation Restricted Delivery $
☐ Return Receipt (hardcopy) $ $3.55	Total Postage & Fees
☐ Return Receipt (electronic) $ $0.00	$ $21.76
☐ Restricted Delivery $0.00	
Customer Must Declare Full Value $ 50.00	Received by 07/25/2023

Domestic Insurance up to $50,000 is included based upon the declared value. International Indemnity is limited. (See Reverse).

OFFICIAL USE

To Be Completed By Customer (Please Print) All Entries Must Be in Ballpoint or Typed

FROM
WHEATON, IL 60187
RICHARD M GUERARD
GUERARD KALINA & BUTKUS
310 S COUNTY FARM RD, H
WHEATON, IL 60187

TO
ADVANCE TRADING INC.
PO BOX 1027
Bloomington, IL 61702
BLOOMINGTON IL 61702

PS Form **3806, Registered Mail Receipt**
April 2015, PSN 7530-02-000-9051
For domestic delivery information, visit our website at www.usps.com ®

Copy 1 - Custome
(See Information on Reverse

Registered No.

RF680134654US

Date Stamp

0187
11

To Be Completed By Post Office

Postage $ $0.66	Extra Services & Fees (continued)
Extra Services & Fees	☐ Signature Confirmation $
☐ Registered Mail $17.55	☐ Signature Confirmation Restricted Delivery $
☐ Return Receipt (hardcopy) $ $3.55	Total Postage & Fees
☐ Return Receipt (electronic) $ $0.00	$ $21.76
☐ Restricted Delivery $0.00	
Customer Must Declare Full Value $ 50.00	Received by 07/25/2023

Domestic Insurance up to $50,000 is included based upon the declared value. International Indemnity is limited. (See Reverse).

OFFICIAL USE

To Be Completed By Customer (Please Print) All Entries Must Be in Ballpoint or Typed

FROM
WHEATON, IL 60187
RICHARD M GUERARD
GUERARD KALINA & BUTKUS
310 S COUNTY FARM RD, H
WHEATON, IL 60187

TO
POTINI GROUP LLC
15519 CRESTWICKE DR
Bloomington, IL 61705
BLOOMINGTON IL 61705-5419

PS Form **3806, Registered Mail Receipt**
April 2015, PSN 7530-02-000-9051
For domestic delivery information, visit our website at www.usps.com ®

Copy 1 - Customer
(See Information on Reverse)

Registered No.

RF680134668US

Date Stamp

0187
11

To Be Completed By Post Office

Postage $ $0.90	Extra Services & Fees (continued)
Extra Services & Fees	☐ Signature Confirmation $
☐ Registered Mail $17.55	☐ Signature Confirmation Restricted Delivery $
☐ Return Receipt (hardcopy) $ $3.55	Total Postage & Fees
☐ Return Receipt (electronic) $ $0.00	$ $22.00
☐ Restricted Delivery $0.00	
Customer Must Declare Full Value $ 50.00	Received by 07/25/2023

Domestic Insurance up to $50,000 is included based upon the declared value. International Indemnity is limited. (See Reverse)

OFFICIAL USE

To Be Completed By Customer (Please Print) All Entries Must Be in Ballpoint or Typed

FROM
WHEATON, IL 60187
RICHARD M GUERARD
GUERARD KALINA & BUTKUS
310 S COUNTY FARM RD, H
WHEATON, IL 60187

TO
WHITE PROPERTY DEVELOPMENT LLC
7330 N 2200 EAST RD
Fairbury, IL 61739
FAIRBURY, IL 61739-9169

PS Form **3806, Registered Mail Receipt**
April 2015, PSN 7530-02-000-9051
For domestic delivery information, visit our website at www.usps.com ®

Copy 1 - Custome
(See Information on Reverse

Registered No.

RF680134671US

Date Stamp

0187
11

To Be Completed By Post Office

Postage $ $0.66	Extra Services & Fees (continued) ☐ Signature Confirmation $ ☐ Signature Confirmation Restricted Delivery $
Extra Services & Fees ☐ Registered Mail $ $17.55 ☐ Return Receipt (hardcopy) $ $3.55 ☐ Return Receipt (electronic) $ $0.00 ☐ Restricted Delivery $ $0.00	Total Postage & Fees $ $21.76
Customer Must Declare Full Value $ 50.00 $50.00	Received by 07/25/2023

Domestic Insurance up to $50,000 is included based upon the declared value. International Indemnity is limited. (See Reverse).

To Be Completed By Customer (Please Print) All Entries Must Be in Ballpoint or Typed

FROM
RICHARD M GUERARD
WHEATON, IL 60187
GUERARD KALINA & BUTKUS
310 S COUNTY FARM RD, H
WHEATON, IL 60187

TO
NORD ENTERPRISES
2006 W. WASHINGTON ST
Bloomington, IL 61705
BLOOMINGTON, IL 61705-5101

S Form **3806, Registered Mail Receipt**
pril 2015, PSN 7530-02-000-9051
For domestic delivery information, visit our website at *www.usps.com*®

Copy 1 - Customer
(See Information on Reverse)

Registered No.

RF680134685US

Date Stamp

0187
11

To Be Completed By Post Office

Postage $ $0.66	Extra Services & Fees (continued) ☐ Signature Confirmation $ ☐ Signature Confirmation Restricted Delivery $
Extra Services & Fees ☐ Registered Mail $ $17.55 ☐ Return Receipt (hardcopy) $ $3.55 ☐ Return Receipt (electronic) $ $0.00 ☐ Restricted Delivery $ $0.00	Total Postage & Fees $ $21.76
Customer Must Declare Full Value $ 50.00 $50.00	Received by 07/25/2023

Domestic Insurance up to $50,000 is included based upon the declared value. International Indemnity is limited. (See Reverse).

To Be Completed By Customer (Please Print) All Entries Must Be in Ballpoint or Typed

FROM
WHEATON, IL 60187
RICHARD M GUERARD
GUERARD KALINA & BUTKUS
310 S COUNTY FARM RD, H
WHEATON IL 60187

TO
SHANKS, ELISA
1506 RHODES LANE
Bloomington, IL 61704
BLOOMINGTON IL 61704

PS Form **3806, Registered Mail Receipt**
April 2015, PSN 7530-02-000-9051
For domestic delivery information, visit our website at *www.usps.com*®

Copy 1 - Customer
(See Information on Reverse)

Registered No.

RF680134699US

Date Stamp

0187
11

To Be Completed By Post Office

Postage $ $0.66	Extra Services & Fees (continued) ☐ Signature Confirmation $ ☐ Signature Confirmation Restricted Delivery $
Extra Services & Fees ☐ Registered Mail $ $17.55 ☐ Return Receipt (hardcopy) $ $3.55 ☐ Return Receipt (electronic) $ $0.00 ☐ Restricted Delivery $ $0.00	Total Postage & Fees $ $21.76
Customer Must Declare Full Value $ 50.00 $50.00	Received by 07/25/2023

Domestic Insurance up to $50,000 is included based upon the declared value. International Indemnity is limited. (See Reverse).

To Be Completed By Customer (Please Print) All Entries Must Be in Ballpoint or Typed

FROM
WHEATON, IL 60187
RICHARD M GUERARD
GUERARD KALINA & BUTKUS
310 S COUNTY FARM RD, H
WHEATON, IL 60187

TO
DAVID CAPODICE
2820 CAPODICE RD
Bloomington, IL 61704
BLOOMINGTON IL 61704-5621

PS Form **3806, Registered Mail Receipt**
April 2015, PSN 7530-02-000-9051
For domestic delivery information, visit our website at *www.usps.com*®

Copy 1 - Customer
(See Information on Reverse)

Registered No.

RF680134708US

Date Stamp

0187
11

To Be Completed By Post Office

Postage $ $0.66	Extra Services & Fees (continued) ☐ Signature Confirmation $ ☐ Signature Confirmation Restricted Delivery $
Extra Services & Fees ☐ Registered Mail $ ☐ Return Receipt (hardcopy) $ $17.55 ☐ Return Receipt (electronic) $ $3.55 $0.00 ☐ Restricted Delivery $ $0.00	Total Postage & Fees $
Customer Must Declare Full Value $ 50.00 $50.00	Received by 07/25/2023

Domestic Insurance up to $50,000 is included based upon the declared value. International Indemnity is limited. (See Reverse).

To Be Completed By Customer (Please Print) All Entries Must Be in Ballpoint or Typed

FROM
RICHARD M GUERARD
WHEATON, IL 60187
GUERARD KALINA & BUTKUS
310 S COUNTY FARM RD, H
WHEATON, IL 60187

TO
CITIZENS FIRST BANK
1442 LINCOLN WAY
Clinton, IA 52732
CLINTON, IA 52732-7043

PS Form **3806, Registered Mail Receipt**
April 2015, PSN 7530-02-000-9051
For domestic delivery information, visit our website at *www.usps.com*®

Copy 1 - Customer
(See Information on Reverse)

Registered No.

RF680134725US

Date Stamp

0187
11
2023

To Be Completed By Post Office

Postage $ $0.66	Extra Services & Fees (continued)
Extra Services & Fees $0.00	☐ Signature Confirmation $
☐ Registered Mail $	☐ Signature Confirmation Restricted Delivery $
☐ Return Receipt (hardcopy) $ $17.55	Total Postage & Fees
☐ Return Receipt (electronic) $ $3.55	$ $21.76
☐ Restricted Delivery $ $0.00	
Customer Must Declare Full Value $ 50.00 $50.00	Received by 07/25/2023

Domestic Insurance up to $50,000 is included based upon the declared value. International Indemnity is limited. (See Reverse).

To Be Completed By Customer (Please Print) All Entries Must Be in Ballpoint or Typed

FROM	RICHARD M GUERARD WHEATON IL 60187
	GUERARD KALINA & BUTKUS
	310 S COUNTY FARM RD, H
	WHEATON, IL 60187
TO	BELLAS LANDSCAPING LLC
	2405 FOX CREEK RD
	BLOOMINGTON, IL 61705-5261

PS Form **3806, Registered Mail Receipt**
April 2015, PSN 7530-02-000-9051
For domestic delivery information, visit our website at *www.usps.com* ®

Copy 1 - Customer
(See Information on Reverse)

Registered No.

RF680134725US

Date Stamp

0187
11
2023

To Be Completed By Post Office

Postage $ $0.66	Extra Services & Fees (continued)
Extra Services & Fees $0.00	☐ Signature Confirmation $
☐ Registered Mail $	☐ Signature Confirmation Restricted Delivery $
☐ Return Receipt (hardcopy) $ $17.55	Total Postage & Fees
☐ Return Receipt (electronic) $ $3.55	$ $21.76
☐ Restricted Delivery $ $0.00	
Customer Must Declare Full Value $ 50.00 $50.00	Received by 07/25/2023

Domestic Insurance up to $50,000 is included based upon the declared value. International Indemnity is limited. (See Reverse).

To Be Completed By Customer (Please Print) All Entries Must Be in Ballpoint or Typed

FROM	RICHARD M GUERARD WHEATON IL 60187
	GUERARD KALINA & BUTKUS
	310 S COUNTY FARM RD, H
	WHEATON, IL 60187
TO	ROBERT A BRIGGS
	371 CHANNELSIDE WALK WAY
	UNIT 403 TAMPA, FL 33602
	TAMPA, FL 33602-6767

PS Form **3806, Registered Mail Receipt**
April 2015, PSN 7530-02-000-9051
For domestic delivery information, visit our website at *www.usps.com* ®

Copy 1 - Customer
(See Information on Reverse)

Registered No.

RF680134739US

Date Stamp

0187
11
2023

To Be Completed By Post Office

Postage $ $0.66	Extra Services & Fees (continued)
Extra Services & Fees $0.00	☐ Signature Confirmation $
☐ Registered Mail $	☐ Signature Confirmation Restricted Delivery $
☐ Return Receipt (hardcopy) $ $17.55	Total Postage & Fees
☐ Return Receipt (electronic) $ $3.55	$ $21.76
☐ Restricted Delivery $ $0.00	
Customer Must Declare Full Value $ 50.00 $50.00	Received by 07/25/2023

Domestic Insurance up to $50,000 is included based upon the declared value. International Indemnity is limited. (See Reverse).

To Be Completed By Customer (Please Print) All Entries Must Be in Ballpoint or Typed

FROM	RICHARD M GUERARD
	GUERARD KALINA & BUTKUS
	310 S COUNTY FARM RD, H
	WHEATON, IL 60187
TO	JOHN SHANK
	14 S ASHLAND AVE #404
	La Grange, IL 60525
	LA GRANGE, IL 60525-2007

PS Form **3806, Registered Mail Receipt**
April 2015, PSN 7530-02-000-9051
For domestic delivery information, visit our website at *www.usps.com* ®

Copy 1 - Customer
(See Information on Reverse)

Registered No.

RF680134723US

Date Stamp

0187
11
2023

To Be Completed By Post Office

Postage $ $0.66	Extra Services & Fees (continued)
Extra Services & Fees $0.00	☐ Signature Confirmation $
☐ Registered Mail $	☐ Signature Confirmation Restricted Delivery $
☐ Return Receipt (hardcopy) $ $17.55	Total Postage & Fees
☐ Return Receipt (electronic) $ $3.55	$ $21.76
☐ Restricted Delivery $ $0.00	
Customer Must Declare Full Value $ 50.00 $50.00	Received by 07/25/2023

Domestic Insurance up to $50,000 is included based upon the declared value. International Indemnity is limited. (See Reverse).

To Be Completed By Customer (Please Print) All Entries Must Be in Ballpoint or Typed

FROM	RICHARD M GUERARD WHEATON IL 60187
	GUERARD KALINA & BUTKUS
	310 S COUNTY FARM RD, H
	WHEATON, IL 60187
TO	GIZHOSKI PROPERTIES LLC
	3 CURRENCY DRIVE
	BLOOMINGTON IL 61704

PS Form **3806, Registered Mail Receipt**
April 2015, PSN 7530-02-000-9051
For domestic delivery information, visit our website at *www.usps.com* ®

Copy 1 - Customer
(See Information on Reverse)

Registered No.

RF680134754US

Date Stamp

0187 11 2023

To Be Completed By Post Office

Postage $ $0.66	Extra Services & Fees (continued)
Extra Services & Fees	☐ Signature Confirmation $
☐ Registered Mail $	☐ Signature Confirmation Restricted Delivery $
☐ Return Receipt (hardcopy) $ $17.55	Total Postage & Fees
☐ Return Receipt (electronic) $ $3.55 $0.00	$
☐ Restricted Delivery $0.00	
Customer Must Declare Full Value $ 50.00 $50.00	Received by 07/25/2023

Domestic Insurance up to $50,000 is included based upon the declared value. International Indemnity is limited. (See Reverse).

OFFICIAL USE

To Be Completed By Customer (Please Print) All Entries Must Be in Ballpoint or Typed

FROM
RICHARD M GUERARD
WHEATON, IL 60187
GUERARD KALINA & BUTKUS
310 S COUNTY FARM RD, H
WHEATON, IL 60187

TO
EXCHANGERIGHT NET LEASED PORTFOLIO 11
C/O EXCHANGERIGHT REAL ESTATE LLC
Pasadena, CA 91116
PO BOX 60308
PASADENA CA 91116-6308

PS Form **3806, Registered Mail Receipt**
April 2015, PSN 7530-02-000-9051
Copy 1 - Customer
(See Information on Reverse)
For domestic delivery information, visit our website at www.usps.com ®

Registered No.

RF680134760US

Date Stamp

0187 11 2023

To Be Completed By Post Office

Postage $ $0.66	Extra Services & Fees (continued)
Extra Services & Fees	☐ Signature Confirmation $
☐ Registered Mail $ $17.55	☐ Signature Confirmation Restricted Delivery $
☐ Return Receipt (hardcopy) $ $3.55	Total Postage & Fees
☐ Return Receipt (electronic) $ $0.00	$ $21.76
☐ Restricted Delivery $0.00	
Customer Must Declare Full Value $ 50.00 $50.00	Received by 07/25/2023

Domestic Insurance up to $50,000 is included based upon the declared value. International Indemnity is limited. (See Reverse).

OFFICIAL USE

To Be Completed By Customer (Please Print) All Entries Must Be in Ballpoint or Typed

FROM
WHEATON, IL 60187
RICHARD M GUERARD
GUERARD KALINA & BUTKUS
310 S COUNTY FARM RD, H
WHEATON, IL 60187

TO
MCJEWELS LLC
14 WORTHINGTON CT
Bloomington, IL 61704
BLOOMINGTON IL 61704-2794

PS Form **3806, Registered Mail Receipt**
April 2015, PSN 7530-02-000-9051
Copy 1 - Customer
(See Information on Reverse)
For domestic delivery information, visit our website at www.usps.com ®

Registered No.

RF680134773US

Date Stamp

0187 11 JUL 25 2023 WHEATON, IL

To Be Completed By Post Office

Postage $ $0.66	Extra Services & Fees (continued)
Extra Services & Fees	☐ Signature Confirmation $
☐ Registered Mail $ $17.55	☐ Signature Confirmation Restricted Delivery $
☐ Return Receipt (hardcopy) $ $3.55	Total Postage & Fees
☐ Return Receipt (electronic) $ $0.00	$ $21.76
☐ Restricted Delivery $0.00	
Customer Must Declare Full Value $ 50.00 $50.00	Received by 07/25/2023

Domestic Insurance up to $50,000 is included based upon the declared value. International Indemnity is limited. (See Reverse).

OFFICIAL USE

To Be Completed By Customer (Please Print) All Entries Must Be in Ballpoint or Typed

FROM
WHEATON, IL 60187
RICHARD M GUERARD
GUERARD KALINA & BUTKUS
310 S COUNTY FARM RD, H
WHEATON IL 60187

TO
ONPROP LLC
C/O BRENT ALSMAN
Bloomington, IL 61702
PO BOX 1064
BLOOMINGTON IL 61702-1064

PS Form **3806, Registered Mail Receipt**
April 2015, PSN 7530-02-000-9051
Copy 1 - Customer
(See Information on Reverse)
For domestic delivery information, visit our website at www.usps.com ®

Registered No.

RF680134787US

Date Stamp

USPS 0187 11 JUL 25 2023 WHEATON, IL 60187

To Be Completed By Post Office

Postage $ $0.66	Extra Services & Fees (continued)
Extra Services & Fees	☐ Signature Confirmation $
☐ Registered Mail $ $17.55	☐ Signature Confirmation Restricted Delivery $
☐ Return Receipt (hardcopy) $ $3.55	Total Postage & Fees
☐ Return Receipt (electronic) $ $0.00	$ $21.76
☐ Restricted Delivery $0.00	
Customer Must Declare Full Value $ 50.00 $50.00	Received by 07/25/2023

Domestic Insurance up to $50,000 is included based upon the declared value. International Indemnity is limited. (See Reverse).

OFFICIAL USE

To Be Completed By Customer (Please Print) All Entries Must Be in Ballpoint or Typed

FROM
WHEATON, IL 60187
RICHARD M GUERARD
GUERARD KALINA & BUTKUS
310 S COUNTY FARM RD, H
WHEATON IL 60187

TO
SPACE WORX LLC
1 BRICKYARD DR
Bloomington, IL 61701
BLOOMINGTON IL 61701-7513

PS Form **3806, Registered Mail Receipt**
April 2015, PSN 7530-02-000-9051
Copy 1 - Customer
(See Information on Reverse)
For domestic delivery information, visit our website at www.usps.com ®

Registered No. RF680134795US

Date Stamp WHEATON, IL 60187 JUL 25 2023 USPS

To Be Completed By Post Office

Postage $ $0.66	Extra Services & Fees (continued) ☐ Signature Confirmation $ ☐ Signature Confirmation Restricted Delivery $
Extra Services & Fees ☐ Registered Mail $17.55 ☐ Return Receipt (hardcopy) $ $3.55 ☐ Return Receipt (electronic) $ $0.00 ☐ Restricted Delivery $ $0.00	Total Postage & Fees $ $21.76
Customer Must Declare Full Value $ 50.00	Received by 07/25/2023

Domestic Insurance up to $50,000 is included based upon the declared value. International Indemnity is limited. (See Reverse).

To Be Completed By Customer (Please Print) All Entries Must Be in Ballpoint or Typed

FROM
RICHARD M GUERARD
WHEATON, IL 60187
GUERARD KALINA & BUTKUS
310 S COUNTY FARM RD, H
WHEATON IL 60187

TO
OREILLY AUTO PARTS
PO BOX 9167
Springfield, MO 65801
SPRINGFIELD, MO 65801-9167

PS Form **3806, Registered Mail Receipt**
April 2015, PSN 7530-02-000-9051
For domestic delivery information, visit our website at *www.usps.com*

Copy 1 - Customer
(See Information on Reverse)

Registered No. RF680134800US

Date Stamp WHEATON, IL 60187 JUL 25 2023 USPS

To Be Completed By Post Office

Postage $ $0.66	Extra Services & Fees (continued) ☐ Signature Confirmation $ ☐ Signature Confirmation Restricted Delivery $
Extra Services & Fees ☐ Registered Mail $17.55 ☐ Return Receipt (hardcopy) $ $3.55 ☐ Return Receipt (electronic) $ $0.00 ☐ Restricted Delivery $ $0.00	Total Postage & Fees $ $21.76
Customer Must Declare Full Value $ 50.00	Received by 07/25/2023

Domestic Insurance up to $50,000 is included based upon the declared value. International Indemnity is limited. (See Reverse).

To Be Completed By Customer (Please Print) All Entries Must Be in Ballpoint or Typed

FROM
RICHARD M GUERARD
WHEATON, IL 60187
GUERARD KALINA & BUTKUS
310 S COUNTY FARM RD, H
WHEATON IL 60187

TO
POTINI, SRILATH A
15519 CRESTWICKE DR
Bloomington, IL 61704
BLOOMINGTON IL 61705

PS Form **3806, Registered Mail Receipt**
April 2015, PSN 7530-02-000-9051
For domestic delivery information, visit our website at *www.usps.com*

Copy 1 - Customer
(See Information on Reverse)

Registered No. RF680134813US

Date Stamp WHEATON, IL 60187 JUL 25 2023 USPS

To Be Completed By Post Office

Postage $ $0.66	Extra Services & Fees (continued) ☐ Signature Confirmation $ ☐ Signature Confirmation Restricted Delivery $
Extra Services & Fees ☐ Registered Mail $17.55 ☐ Return Receipt (hardcopy) $ $3.55 ☐ Return Receipt (electronic) $ $0.00 ☐ Restricted Delivery $ $0.00	Total Postage & Fees $ $21.76
Customer Must Declare Full Value $ 50.00	Received by 07/25/2023

Domestic Insurance up to $50,000 is included based upon the declared value. International Indemnity is limited. (See Reverse).

To Be Completed By Customer (Please Print) All Entries Must Be in Ballpoint or Typed

FROM
RICHARD M GUERARD
WHEATON, IL 60187
GUERARD KALINA & BUTKUS
310 S COUNTY FARM RD, H
WHEATON, IL 60187

TO
HOS II, LLC
C/O STARK MANAGEMENT
Bloomington, IL 61701
1805 W WASHINGTON ST
BLOOMINGTON IL 61701-3703

PS Form **3806, Registered Mail Receipt**
April 2015, PSN 7530-02-000-9051
For domestic delivery information, visit our website at *www.usps.com*

Copy 1 - Customer
(See Information on Reverse)

Registered No. RF680134[illegible]US

Date Stamp WHEATON, IL 60187 JUL 25 2023 USPS

To Be Completed By Post Office

Postage $ $0.66	Extra Services & Fees (continued) ☐ Signature Confirmation $ ☑ Signature Confirmation Restricted Delivery $
Extra Services & Fees ☐ Registered Mail $ ☐ Return Receipt (hardcopy) $ $17.55 ☐ Return Receipt (electronic) $ $3.55 ☐ Restricted Delivery $ $0.00	Total Postage & Fees $ $21.76
Customer Must Declare Full Value $ 50.00 $50.00	Received by 07/25/2023

Domestic Insurance up to $50,000 is included based upon the declared value. International Indemnity is limited. (See Reverse).

To Be Completed By Customer (Please Print) All Entries Must Be in Ballpoint or Typed

FROM
RICHARD M GUERARD
WHEATON, IL 60187
GUERARD KALINA & BUTKUS
310 S COUNTY FARM RD, H
WHEATON IL 60187

TO
JOHN W. DAVIS
1627 COMMERCE PKWY
Bloomington, IL 61704
BLOOMINGTON IL 61704-9608

PS Form **3806, Registered Mail Receipt**
April 2015, PSN 7530-02-000-9051
For domestic delivery information, visit our website at *www.usps.com*

Copy 1 - Customer
(See Information on Reverse)

Registered No. RF680134844US

Date Stamp

To Be Completed By Post Office

Postage $ $0.66	Extra Services & Fees (continued) ☐ Signature Confirmation $ ☐ Signature Confirmation Restricted Delivery $
Extra Services & Fees ☐ Registered Mail $ ☐ Return Receipt (hardcopy) $ $17.55 ☐ Return Receipt (electronic) $ $3.55 ☐ Restricted Delivery $ $0.00	Total Postage & Fees $ $21.76
Customer Must Declare Full Value $ 50.00 $50.00	Received by 07/25/2023

Domestic Insurance up to $50,000 is included based upon the declared value. International Indemnity is limited. (See Reverse).

To Be Completed By Customer (Please Print) All Entries Must Be in Ballpoint or Typed

FROM
RICHARD M GUERARD
WHEATON, IL 60187
GUERARD KALINA & BUTKUS
310 S COUNTY FARM RD, H
WHEATON IL 60187

TO
BT LAND TRUST
C/O VETA RODGERS
200 E COURTLAND ST
MORTON, IL 61550

PS Form **3806, Registered Mail Receipt** *Copy 1 - Customer*
April 2015, PSN 7530-02-000-9051 *(See Information on Reverse)*
For domestic delivery information, visit our website at *www.usps.com*®

Registered No. RF680134844US

Date Stamp

To Be Completed By Post Office

Postage $ $0.66	Extra Services & Fees (continued) ☐ Signature Confirmation $ ☐ Signature Confirmation Restricted Delivery $
Extra Services & Fees ☐ Registered Mail $ ☐ Return Receipt (hardcopy) $ $17.55 ☐ Return Receipt (electronic) $ $3.55 ☐ Restricted Delivery $ $0.00	Total Postage & Fees $ $21.76
Customer Must Declare Full Value $ 50.00 $50.00	Received by 07/25/2023

Domestic Insurance up to $50,000 is included based upon the declared value. International Indemnity is limited. (See Reverse).

To Be Completed By Customer (Please Print) All Entries Must Be in Ballpoint or Typed

FROM
RICHARD M GUERARD
WHEATON, IL 60187
GUERARD KALINA & BUTKUS
310 S COUNTY FARM RD, H
WHEATON, IL 60187

TO
HFV INVESTMENT LLC
1707 E HAMILTON RD STE 1A
BLOOMINGTON IL 61704-9607

PS Form **3806, Registered Mail Receipt** *Copy 1 - Customer*
April 2015, PSN 7530-02-000-9051 *(See Information on Reverse)*
For domestic delivery information, visit our website at *www.usps.com*®

Registered No. RF680134858US

Date Stamp

To Be Completed By Post Office

Postage $ $0.66	Extra Services & Fees (continued) ☐ Signature Confirmation $ ☐ Signature Confirmation Restricted Delivery $
Extra Services & Fees ☐ Registered Mail $ ☐ Return Receipt (hardcopy) $ $17.55 ☐ Return Receipt (electronic) $ $3.55 ☐ Restricted Delivery $ $0.00	Total Postage & Fees $
Customer Must Declare Full Value $ 50.00 $50.00	Received by 07/25/2023

Domestic Insurance up to $50,000 is included based upon the declared value. International Indemnity is limited. (See Reverse).

To Be Completed By Customer (Please Print) All Entries Must Be in Ballpoint or Typed

FROM
RICHARD M GUERARD
WHEATON, IL 60187
GUERARD KALINA & BUTKUS
310 S COUNTY FARM RD, H
WHEATON, IL 60187

TO
MCLEAN COUNTY TRUSTEE
PO BOX 96
Edwardsville, IL 62025
EDWARDSVILLE, IL 62025

PS Form **3806, Registered Mail Receipt** *Copy 1 - Customer*
April 2015, PSN 7530-02-000-9051 *(See Information on Reverse)*
For domestic delivery information, visit our website at *www.usps.com*®

Registered No. RF680134858US

Date Stamp

To Be Completed By Post Office

Postage $ $0.66	Extra Services & Fees (continued) ☐ Signature Confirmation $ ☐ Signature Confirmation Restricted Delivery $
Extra Services & Fees ☐ Registered Mail $ ☐ Return Receipt (hardcopy) $ $17.55 ☐ Return Receipt (electronic) $ $3.55 ☐ Restricted Delivery $ $0.00	Total Postage & Fees $
Customer Must Declare Full Value $ 50.00 $50.00	Received by $21.76 07/25/2023

Domestic Insurance up to $50,000 is included based upon the declared value. International Indemnity is limited. (See Reverse)

To Be Completed By Customer (Please Print) All Entries Must Be in Ballpoint or Typed

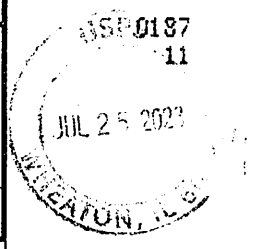
FROM
RICHARD M GUERARD
WHEATON, IL 60187
GUERARD KALINA & BUTKUS
310 S COUNTY FARM RD, H
WHEATON, IL 60187

TO
KEITH P. SOMMER, REP., DISTRICT 88
216-N STRATTON OFFICE BUILDING
SPRINGFIELD, IL 62706
Springfield, IL 62706

PS Form **3806, Registered Mail Receipt** *Copy 1 - Custom*
April 2015, PSN 7530-02-000-9051 *(See Information on Revers*
For domestic delivery information, visit our website at *www.usps.com*®

Registered No. RF680134875US

Date Stamp



To Be Completed By Post Office

Postage $ $0.66	Extra Services & Fees (continued) ☐ Signature Confirmation $ ☐ Signature Confirmation Restricted Delivery $
Extra Services & Fees ☐ Registered Mail $17.55 ☐ Return Receipt (hardcopy) $3.55 ☐ Return Receipt (electronic) $0.00 ☐ Restricted Delivery $0.00	Total Postage & Fees $ $21.76
Customer Must Declare Full Value $50.00 $ 50.00	Received by 07/25/2023

Domestic Insurance up to $50,000 is included based upon the declared value. International Indemnity is limited. (See Reverse).

To Be Completed By Customer (Please Print) All Entries Must Be in Ballpoint or Typed

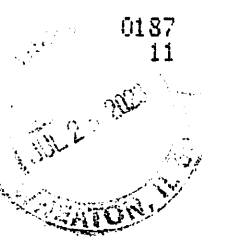
FROM
RICHARD M GUERARD
GUERARD KALINA & BUTKUS
310 S COUNTY FARM RD, H
WHEATON IL 60187

TO
KEITH P SOMMER, REPRESENTATIVE, DIST 88
DISTRICT OFFICE
121 WEST JEFFERSON
MORTON IL 61550

PS Form **3806, Registered Mail Receipt** *Copy 1 - Customer*
April 2015, PSN 7530-02-000-9051 *(See Information on Reverse)*
For domestic delivery information, visit our website at *www.usps.com*

Registered No. RF680134889US

Date Stamp



To Be Completed By Post Office

Postage $ $0.66	Extra Services & Fees (continued) ☐ Signature Confirmation $ ☐ Signature Confirmation Restricted Delivery $
Extra Services & Fees ☐ Registered Mail $17.55 ☐ Return Receipt (hardcopy) $3.55 ☐ Return Receipt (electronic) $0.00 ☐ Restricted Delivery $0.00	Total Postage & Fees $ $21.76
Customer Must Declare Full Value $50.00 $ 50.00	Received by 07/25/2023

Domestic Insurance up to $50,000 is included based upon the declared value. International Indemnity is limited. (See Reverse

To Be Completed By Customer (Please Print) All Entries Must Be in Ballpoint or Typed

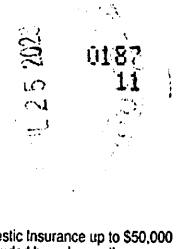
FROM
RICHARD M GUERARD
GUERARD KALINA & BUTKUS
310 S COUNTY FARM RD, H
WHEATON IL 60187

TO
DAN CAULKINS, REPRESENTATIVE, DIST 88
715 WEST IMBODEN DRIVE
DECATUR, IL 62521

PS Form **3806, Registered Mail Receipt** *Copy 1 - Custom*
April 2015, PSN 7530-02-000-9051 *(See Information on Revers*
For domestic delivery information, visit our website at *www.usps.com*

Registered No. RF680134891US

Date Stamp



To Be Completed By Post Office

Postage $ $0.66	Extra Services & Fees (continued) ☐ Signature Confirmation $ ☐ Signature Confirmation Restricted Delivery $
Extra Services & Fees ☐ Registered Mail $ ☐ Return Receipt (hardcopy) $17.55 ☐ Return Receipt (electronic) $3.55 ☐ Restricted Delivery $0.00	Total Postage & Fees $
Customer Must Declare Full Value $ 50.00 $50.00	Received by $21.76 07/25/2023

Domestic Insurance up to $50,000 is included based upon the declared value. International Indemnity is limited. (See Reverse).

To Be Completed By Customer (Please Print) All Entries Must Be in Ballpoint or Typed

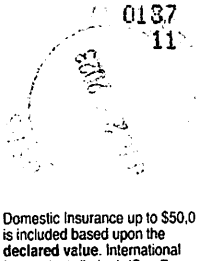
FROM
RICHARD M GUERARD
GUERARD KALINA & BUTKUS
310 S COUNTY FARM RD, H
WHEATON IL 60187

TO
SALLY J. TURNER, SENATOR DIST 44
CAPITOL OFFICE; STRATTON OFFICE BUILDING
SECTION B, OFFICE A
SPRINGFIELD, IL 62706

PS Form **3806, Registered Mail Receipt** *Copy 1 - Customer*
April 2015, PSN 7530-02-000-9051 *(See Information on Reverse)*
For domestic delivery information, visit our website at *www.usps.com*

Registered No. RF680134891US

Date Stamp



To Be Completed By Post Office

Postage $ $0.66	Extra Services & Fees (continued) ☐ Signature Confirmation $ ☐ Signature Confirmation Restricted Delivery $
Extra Services & Fees ☐ Registered Mail $17.55 ☐ Return Receipt (hardcopy) $3.55 ☐ Return Receipt (electronic) $0.00 ☐ Restricted Delivery $0.00	Total Postage & Fees $
Customer Must Declare Full Value $ 50.00 $50.00	Received by 07/25/2023

Domestic Insurance up to $50,0 is included based upon the declared value. International Indemnity is limited. (See Rever

To Be Completed By Customer (Please Print) All Entries Must Be in Ballpoint or Typed

FROM
RICHARD M GUERARD
GUERARD KALINA & BUTKUS
310 S COUNTY FARM RD, H
WHEATON, IL 60187

TO
SALLY J. TURNER, SENATOR DISTRICT 44
DISTRICT OFFICE
120 S. MCLEAN ST., SUITE E
LINCOLN, IL 62656

PS Form **3806, Registered Mail Receipt** *Copy 1 - Custc*
April 2015, PSN 7530-02-000-9051 *(See Information on Rev*
For domestic delivery information, visit our website at *www.usps.com*

Registered No.

RF680134915US

Date Stamp

0187 11 WHEATON IL 60187 JUL 25 2023

To Be Completed By Post Office

Postage $ $0.66	Extra Services & Fees (continued) ☐ Signature Confirmation $ ☐ Signature Confirmation Restricted Delivery $
Extra Services & Fees ☐ Registered Mail $17.55 ☐ Return Receipt (hardcopy) $ $3.55 ☐ Return Receipt (electronic) $ $0.00 ☐ Restricted Delivery $0.00	Total Postage & Fees $ $21.76
Customer Must Declare Full Value $ 50.00	Received by 07/25/2023

Domestic Insurance up to $50,000 is included based upon the declared value. International Indemnity is limited. (See Reverse).

To Be Completed By Customer (Please Print) All Entries Must Be in Ballpoint or Typed

FROM
WHEATON, IL 60187
RICHARD M GUERARD
GUERARD KALINA & BUTKUS
310 S COUNTY FARM RD, H
WHEATON, IL 60187

TO
CITY OF BLOOMINGTON
109 E OLIVE ST
Bloomington, IL 61701
BLOOMINGTON IL 61701

Form 3806, Registered Mail Receipt
April 2015, PSN 7530-02-000-9051
For domestic delivery information, visit our website at www.usps.com ®

Copy 1 - Customer
(See Information on Reverse)

Registered No.

RF680134929US

Date Stamp

0187 11 WHEATON IL 60187 JUL 25 2023

To Be Completed By Post Office

Postage $ $0.66	Extra Services & Fees (continued) ☐ Signature Confirmation $ ☐ Signature Confirmation Restricted Delivery $
Extra Services & Fees ☐ Registered Mail $17.55 ☐ Return Receipt (hardcopy) $ $3.55 ☐ Return Receipt (electronic) $ $0.00 ☐ Restricted Delivery $0.00	Total Postage & Fees $ $21.76
Customer Must Declare Full Value $ 50.00	Received by 07/25/2023

Domestic Insurance up to $50,000 is included based upon the declared value. International Indemnity is limited. (See Reverse).

To Be Completed By Customer (Please Print) All Entries Must Be in Ballpoint or Typed

FROM
WHEATON, IL 60187
RICHARD M GUERARD
GUERARD KALINA & BUTKUS
310 S COUNTY FARM RD, H
WHEATON IL 60187

TO
MCLEAN COMMERCIAL CORP
PO BOX 5110
Bloomington, IL 61702
BLOOMINGTON IL 61702

PS Form 3806, Registered Mail Receipt
April 2015, PSN 7530-02-000-9051
For domestic delivery information, visit our website at www.usps.com ®

Copy 1 - Customer
(See Information on Reverse)

Registered No.

RF680134932US

Date Stamp

0187 11 WHEATON IL 60187 JUL 25 2023

To Be Completed By Post Office

Postage $ $0.66	Extra Services & Fees (continued) ☐ Signature Confirmation $ ☐ Signature Confirmation Restricted Delivery $
Extra Services & Fees ☐ Registered Mail $17.55 ☐ Return Receipt (hardcopy) $ $3.55 ☐ Return Receipt (electronic) $ $0.00 ☐ Restricted Delivery $0.00	Total Postage & Fees $ $21.76
Customer Must Declare Full Value $ 50.00	Received by 07/25/2023

Domestic Insurance up to $50,000 is included based upon the declared value. International Indemnity is limited. (See Reverse).

To Be Completed By Customer (Please Print) All Entries Must Be in Ballpoint or Typed

FROM
WHEATON, IL 60187
RICHARD M GUERARD
GUERARD KALINA & BUTKUS
310 S COUNTY FARM RD, H
WHEATON, IL 60187

TO
FIRST FINANCIAL BANK LAND TRUST 5392
1 TOWNE CTR
Danville, IL 61832
DANVILLE, IL 61832-5846

PS Form 3806, Registered Mail Receipt
April 2015, PSN 7530-02-000-9051
For domestic delivery information, visit our website at www.usps.com ®

Copy 1 - Customer
(See Information on Reverse)

Registered No.

RF680134946US

Date Stamp

0187 11 WHEATON IL 60187 JUL 25 2023

To Be Completed By Post Office

Postage $ $0.66	Extra Services & Fees (continued) ☐ Signature Confirmation $ ☐ Signature Confirmation Restricted Delivery $
Extra Services & Fees ☐ Registered Mail $17.55 ☐ Return Receipt (hardcopy) $ $3.55 ☐ Return Receipt (electronic) $ $0.00 ☐ Restricted Delivery $0.00	Total Postage & Fees $ $21.76
Customer Must Declare Full Value $ 50.00	Received by 07/25/2023

Domestic Insurance up to $50,000 is included based upon the declared value. International Indemnity is limited. (See Reverse).

To Be Completed By Customer (Please Print) All Entries Must Be in Ballpoint or Typed

FROM
WHEATON, IL 60187
RICHARD M GUERARD
GUERARD KALINA & BUTKUS
310 S COUNTY FARM RD, H
WHEATON, IL 60187

TO
CONNOUR, KIPP
1902 BUNN ST
Bloomington, IL 61704
BLOOMINGTON IL 61704-7421

PS Form 3806, Registered Mail Receipt
April 2015, PSN 7530-02-000-9051
For domestic delivery information, visit our website at www.usps.com ®

Copy 1 - Customer
(See Information on Reverse)

Registered No. RF680134950US

Date Stamp 0187 USPS 11 JUL 25 2023 WHEATON, IL 60187

To Be Completed By Post Office

Postage $ $0.66	Extra Services & Fees (continued) ☐ Signature Confirmation $ ☐ Signature Confirmation Restricted Delivery $
Extra Services & Fees ☐ Registered Mail $17.55 ☐ Return Receipt (hardcopy) $ $3.55 ☐ Return Receipt (electronic) $ $0.00 ☐ Restricted Delivery $0.00	Total Postage & Fees $ $21.76
Customer Must Declare Full Value $ 50.00	Received by 07/25/2023

Domestic insurance up to $50,000 is included based upon the declared value. International indemnity is limited. (See Reverse).

OFFICIAL USE

To Be Completed By Customer (Please Print) All Entries Must Be in Ballpoint or Typed

FROM	WHEATON, IL 60187 RICHARD M GUERARD GUERARD KALINA & BUTKUS 310 S COUNTY FARM RD, H WHEATON, IL 60187
TO	TKNTK, LLC 1905 CARLING DRIVE Bloomington, IL 61701 BLOOMINGTON, IL 61701

PS Form **3806, Registered Mail Receipt** *Copy 1 - Customer*
April 2015, PSN 7530-02-000-9051 *(See Information on Reverse)*
For domestic delivery information, visit our website at *www.usps.com* ®

Registered No. RF680134963US

Date Stamp 0187 USPS 11 JUL 25 2023 WHEATON, IL 60187

To Be Completed By Post Office

Postage $ $0.66	Extra Services & Fees (continued) ☐ Signature Confirmation $ ☐ Signature Confirmation Restricted Delivery $
Extra Services & Fees ☐ Registered Mail $17.55 ☐ Return Receipt (hardcopy) $ $3.55 ☐ Return Receipt (electronic) $ $0.00 ☐ Restricted Delivery $0.00	Total Postage & Fees $ $21.76
Customer Must Declare Full Value $ 50.00	Received by 07/25/2023

Domestic insurance up to $50,000 is included based upon the declared value. International indemnity is limited. (See Reverse).

OFFICIAL USE

To Be Completed By Customer (Please Print) All Entries Must Be in Ballpoint or Typed

FROM	WHEATON, IL 60187 RICHARD M GUERARD GUERARD KALINA & BUTKUS 310 S COUNTY FARM RD, H WHEATON, IL 60187
TO	MARIGOLD PROPERTIES, LLC PO BOX 5110 Bloomington, IL 61702 BLOOMINGTON, IL 61702

PS Form **3806, Registered Mail Receipt** *Copy 1 - Customer*
April 2015, PSN 7530-02-000-9051 *(See Information on Reverse)*
For domestic delivery information, visit our website at *www.usps.com* ®

SI-3

THE PANTAGRAPH PROOF OF PUBLICATION

*** Proof of Publication ***

THE PANTAGRAPH
PO Box 2907
Bloomington, IL 61702-2907
Ph: 309-829-9000

STATE OF ILLINOIS
COUNTY OF McLEAN } SS:
CITY OF BLOOMINGTON

Guerard, Kalina & Butkus

310 S. COUNTY FARM ROAD, SUITE H
WHEATON IL 60187-2409

ORDER NUMBER 153648

THE PANTAGRAPH PUBLISHING CO. hereby certifies that it is now and has been for more than one year continuously, d/b/a The Pantagraph, a daily secular newspaper of general circulation in said County, published in the City, County and State aforesaid, and further certifies that said newspaper has been continuously published at regular intervals of more than once each week with more than a minimum of fifty issues per year for more than one year prior to the first publication of the notice, and further certifies that The Pantagraph is a newspaper as defined by the Statutes of the State of Illinois in such cases made and provided, and further hereby certifies that a notice of which the annexed notice is a true copy, has been regularly published in said paper.

Section: Legals
Category: 0991 Legal Inside
PUBLISHED ON: 07/31/2023

TOTAL AD COST: 633.04
FILED ON: 8/2/2023

By _____

Date 8/2/23

*** Proof of Publication ***

NOTICE OF INTENT TO FILE A REQUEST FOR LOCAL SITING APPROVAL OF A NEW POLLUTION CONTROL FACILITY WITH THE COUNTY OF McLEAN, ILLINOIS

YOU ARE HEREBY NOTIFIED THAT, pursuant to §39.2(b) of the Illinois Environmental Protection Act ("the Act") 415 ILCS 5/39.2(b), the Applicant, Lakeshore Recycling Systems, LLC ("LRS"), will file its Request for Siting Approval for a new pollution control facility with the County of McLean, Illinois, 115 E. Washington St., Rm. 102, Bloomington, Il. 61702, on August 18, 2023. In their request for siting approval, the Applicant will seek approval to site, permit, construct, develop and operate a transfer station as defined by Section 3.500 of the Illinois Environmental Protection Act (the "Act") (415 ILCS 5/3.500), the Henson Recycling Campus Transfer Station, which is generally located east of Bunn St, north of Rhodes Ln., and southwest of the Norfolk Southern RR tracks in Bloomington, Illinois.

The proposed facility encompasses approximately 3.09 acres and is legally described as follows:

A part of Lot 2 in Owner's Subdivision of part of the NW¼ of Section 15, Township 23 North, Range 2 East of the Third Principal Meridian, McLean County, Illinois, more particularly described as follows: Commencing at the northwest corner of Lot 2 in Owner's Subdivision of part of the NW¼ of Section 15 according to the Plat thereof recorded in Plat Book 9 on Page 82; thence N.89°-29'-46"E. 502.39 feet on the north line of said Lot 2 to the Point of Beginning; thence continuing N.89°-29'-46"E. 300.00 feet on the north line of said Lot 2; thence S.00°-25'-59"E. 459.60 feet to a point 1003.00 feet north of the south line of the NW¼ of said Section 15; thence S.87°-25'- 14"W. 280.00 feet parallel with the south line of the NW¼ of said Section 15 to a point 1003.00 feet east of the west line of the NW¼ of said Section 15; thence N.02°-53'- 43"W. 470.15 feet parallel with the west line of the NW¼ of said Section 15 to the Point of Beginning containing 3.09 acres, more or less.

The proposed facility will be part of the HDI Subdivision, the preliminary Plan for which was approved by the McLean County Board on Feb. 16, 2023. In said Plan the proposed facility is legally described as:

Lot 3 in HDI Subdivision being a part of the NW¼ of Section 15, Township 23 North, Range 2 East of the Third Principal Meridian, McLean County, Illinois.

The proposed facility would be a non-hazardous solid waste transfer station which will accept non-hazardous waste for temporary storage, sorting, consolidation, and further transfer to a waste disposal /treatment facility. The Applicant will develop and operate the transfer station only as approved by the Illinois Environmental Protection Agency, other applicable regulatory agencies, and as authorized by

*** Proof of Publication ***

applicable statutes and regulations. The material accepted for transfer will be general municipal solid waste, recyclables and construction or demolition debris generated by residential, commercial and industrial sources. The facility intends to handle a maximum daily average of 400 tons of material. The facility is projected to have an operating life of at least 20 years.

The Applicant is Lakeshore Recycling Systems, LLC, whose address is 5500 Pearl St., Rosemont, Il. 60018.

On August 18, 2023, the Applicant will file with the County of McLean, Illinois, their Request for Siting Approval. The request will include the substance of the Applicant's proposal and supporting documents.

The Request filed by the Applicant with the McLean County Clerk will be available for your inspection in the McLean County Clerk's Office located at 115 E. Washington St., Rm. 102, Bloomington, Il. 61702, during normal business hours daily, not including weekends or holidays. Copies of the request or any part thereof will be available from the McLean County Clerk upon payment of the actual cost of reproduction, as outlined in the Illinois Freedom of Information Act (5 ILCS 140/1 et seq.).

The County of McLean must hold at least one public hearing no sooner than 90 days but no later than 120 days from its receipt of the Request for Siting Approval. You may appear at the Hearing and may comment on the application or formally participate in the proceedings. Any person appearing at the public hearing shall have the right to give testimony and comment on the suitability of the proposed use for the site location. Any person testifying shall be required to state his name and address. Any person shall have the right to be represented by a licensed attorney at law at the public hearing(s). Such attorneys shall have the right of reasonable cross-examination.

Any person may file written comments with the McLean County Clerk concerning the appropriateness of the proposed site for its intended purpose. The McLean County Board shall consider any comment received or postmarked from the date of acceptance of the Application through and until 30 days after the date of the last public hearing. Said written comment shall be mailed or delivered to the McLean County Clerk, 115 E Washington St., Rm. 102, Bloomington, Il. 61702. For further information concerning the hearing procedures and your right to comment and participate, please consult the Pollution Control Facilities Ordinance, Ch. 289, Section 11 in the McLean County Code.

Submitted by Lakeshore Recycling Systems, LLC

By its attorneys:

George Mueller
Mueller Anderson & Associates
Law Office
1S123 Gardener Way.
Winfield, Illinois 60190
630-235-0606
George@muelleranderson.com
Rich Guerard
Guerard, Kalina & Butkus
310 S. County Farm Road,

*** Proof of Publication ***

Suite H
Wheaton Illinois 60187-2409
630-698-4700 (direct/cell)
Rich@wydp.com
7/31 153648

SI-4

MCLEAN COUNTY, IL
POLLUTION CONTROL FACILITIES CODE

Chapter 289. Pollution Control Facilities

[HISTORY: Adopted by the County Board of McLean County 7-20-1993 (Ch. 33 of the 1986 Code). Amendments noted where applicable.]

GENERAL REFERENCES
Fees — See Ch. **205**.
Zoning — See Ch. **350**.

§ 289-1. Definitions.

The terms used in these procedural rules and regulations shall have the same meanings as the same terms are defined in the Environmental Protection Act of the State of Illinois, in effect as of the date hereof and as said Act may be amended or modified from time to time.[1]

[1] *Editor's Note: See 415 ILCS 5/1 et seq.*

§ 289-2. Request for site approval.

A minimum of 35 complete copies of requests for site approval shall be filed in the office of the County Clerk by the applicant. Upon receipt of any such requests and the filing fee as provided in § **289-3**, the County Clerk shall date stamp same, retain one copy, and deliver the remaining copies to the siting review coordinator as provided in § **289-8**.

A. Requirements of request. The request for site approval shall include the substance of the applicant's proposal and all documents, if any, submitted to the Environmental Protection Agency pertaining to the proposed facility except trade secrets as determined in Section 7.1 of the Environmental Protection Act, as of the date said request is filed. The request shall also include sufficient details describing the proposed facility to demonstrate compliance with statutory criteria.

B. Filing of amended request. At any time prior to the completion by the applicant of the presentation of the applicant's factual evidence and an opportunity for cross-questioning by the McLean County Pollution Control Site Hearing Committee and any participants, the applicant may file not more than one amended request for site approval upon payment of an additional fee as set forth.

   (1) In the event an amended request is filed, it shall comply with §§ **289-3** and **289-6**.

   (2) The time limitation for final action as set forth by the Environmental Protection Act shall be extended for an additional period of 90 days.

§ 289-3. Filing fee.

[Amended 2-17-2015]
There shall be paid to the County Clerk for delivery to the County Treasurer for deposit in a special fund at the time of the filing of a request for site approval a fee as set forth in Chapter **205**, Fees. In the event an amended request is filed, an additional filing fee shall accompany said amended request.

A. Use of fee. The fee hereunder with any request shall be used only to defray the costs incurred by the County in connection with the application for site approval to which the fee is applicable. The County Board may use the fee to pay any costs incurred by the County in reviewing the request, employing qualified professional persons to evaluate the information contained in the request, to pay the costs involved in any hearing, including the fees of court reporters and expert witnesses employed by the County to clarify or refute any information contained in the request, to pay any costs incurred in the appeal of any decision of the County Board as to the request and to pay any other costs or expense in any way connected with the request.

B. Refund of fee. If the costs to the County are less than the amount paid by the applicant, the excess shall be refunded to the applicant pursuant to § **289-14**.

§ 289-4. Contents of request for site approval.

A. The request shall be typed on paper eight inches by 11 inches in size and shall be securely bound in the left-hand margin.

B. The request shall be signed by the applicant, or if the request is filed by a corporation, it shall be signed by its principal executive director.

C. The face sheet of the request shall contain only the following information:

(1) A statement that it is a request for local siting approval for a new regional pollution control facility.

(2) A statement indicating what type of regional pollution control facility site is being proposed for approval.

(3) The applicant's full name, address and telephone number; if a partnership, the names and addresses of all partners and the telephone number of the partnership; if a corporation, the names and addresses of all officers and directors, and the names and addresses of all shareholders owning 10% or more of the capital stock of said corporation and the telephone number of the corporation.

(4) The name, address, telephone number and title of the person designated by the applicant as its agent for service of notices.

D. The contents of any requests for site approval shall also comply with the provisions set forth in § **289-3**.

E. The request shall also include proof that written notice has been served and published in accordance with Section 39.2(b) of the Environmental Protection Act.[1]

[1] *Editor's Note: See 415 ILCS 5/39.2(b).*

§ 289-5. Waiver of requirements.

The County Board may waive any of the above request requirements upon good cause shown as long as such waiver is not inconsistent with state or federal law.

§ 289-6. Public inspection.

A copy of the request shall be made available for public inspection in the offices of the County Clerk, and members of the public shall be allowed to obtain a copy of the request or any part thereof upon payment of actual costs of reproduction to the County Clerk. All copying requests shall be fulfilled by the County Clerk in accordance with the Illinois Freedom of Information Act.[1]

[1] *Editor's Note: See 5 ILCS 140/1 et seq.*

§ 289-7. Written comments.

The County Clerk shall receive and date stamp written comments from any person concerning the appropriateness of the proposed site for its intended purposes.

A. Copies of written comments shall be made available for public inspection in the offices of the County Clerk, and members of the public shall be allowed to obtain a copy of any written comment upon payment of actual costs of reproduction. All copying requests shall be fulfilled by the County Clerk in accordance with the Illinois Freedom of Information Act.[1]

[1] *Editor's Note: See 5 ILCS 140/1 et seq.*

B. Any written comment received by the County Clerk or postmarked not later than 30 days after the date of the last public hearing shall be made part of the record of the public hearing as hereinafter described, and the County Board shall consider any such timely written comments in making a final determination. In the event that the 30th day falls on a Saturday, Sunday, a federal or McLean County holiday, the next day on which mail is received by the McLean County Clerk shall be considered the 30th day for purposes of this provision.

§ 289-8. Staff review.

The County Board may, at its discretion, retain the services of one or more professional consultants to assist the Board and County staff in the process of reviewing any site approval request. Any expenses shall be paid from the filing fee, consistent with § **289-3**.

A. Staff siting review coordinator.

(1) The McLean County Solid Waste Coordinator shall be the staff siting review coordinator. Upon receipt of copies of a request for site approval, the siting review coordinator shall be responsible for coordinating the review of the request with the following:

(a) McLean County Solid Waste Management Program.

(b) McLean County Building and Zoning Department.

(c) McLean County Regional Planning Commission.

(d) McLean County Highway Department.

(e) McLean County Administrator's Office.

(f) McLean County State's Attorney's Office.

(g) McLean County Health Department.

(h) Any professional consultant retained by the County Board.

(2) The staff siting review coordinator is authorized to call interdepartmental meetings and set deadlines for the submittal of staff reports, recommendations and/or evidence.

(3) A representative of the forenamed departments shall attend the public hearings and may ask such questions as are needed to assist him in reaching his recommendation.

B. Power of departments. The forenamed departments are authorized to prepare and submit reports, recommendations and/or evidence in connection with the request.

(1) Preliminary reports prepared by the staff, summarizing and analyzing the proposed site request, the written comments, reports, studies and exhibits concerning the appropriateness of the proposed site may also be filed with the County Clerk in advance of the public hearings.

(2) Copies of any departmental reports shall be available for public inspection in the office of the County Clerk, and members of the public shall be allowed to obtain a copy of said documents upon payment of the actual cost of reproduction.

C. Final reports and recommendations. Upon completion of the evidentiary hearings, the forenamed departments shall have reasonable time to file any final reports and recommendations with the County Clerk. Copies of the final reports shall be available for public inspection in the office of the County Clerk prior to reconvening the hearing, and members of the public shall be allowed to obtain a copy of said documents upon payment of the actual cost of reproduction.

§ 289-9. Hearing record.

The County Clerk or his/her designee shall be responsible for keeping the record of the hearing and site review process.

A. Hearing record. The record shall consist of the following:

(1) The request for siting approval.

(2) Proof of notice as described in § **289-11C** hereof;

(3) Proof of notice given by the applicant pursuant to Section 39.2(b) of the Environmental Protection Act [415 ILCS 5/39.2(b)].

(4) Written comments filed by the public and received by the County Clerk or postmarked within 30 days of the last public hearing.

(5) All reports and recommendations as described in § **289-8**.

(6) All evidence, reports, studies, exhibits or documents admitted into evidence at the public hearing;

(7) A complete transcript of the public hearing(s);

(8) The findings of fact and recommendation of the McLean County Pollution Control Site Hearing Committee; and

(9) A copy of the resolution containing the final decision of the County Board.

B. Written certification. The County Clerk shall be responsible for certifying all copies of the record.

§ 289-10. Hearing Committee.

The McLean County Pollution Control Site Hearing Committee shall consist of the members of the McLean County Board's Land Use and Development Committee and the Chairman of the County Board.

A. Chairman of Committee. The Chairman of the County Board shall serve as the Chairman of the Pollution Control Site Hearing Committee.

(1) In the event that said Chairman cannot serve, the Chairman of the Land Use and Development Committee shall assume the duties of Chairman of the Committee in relation to the public hearings on the application.

(2) In the event neither is in attendance at a public hearing, the members present shall select a chairman pro tem from among those members present, who shall preside over the hearing session.

B. Quorum. Four members of the Committee shall constitute a quorum for the purpose of holding the public hearing.

§ 289-11. Public hearing procedures.

A. Within a reasonable time from the date the request for site approval is filed, the Chairman of the County Board shall determine the date, time and location upon which such public hearing shall be held. The initial public hearing shall be scheduled no sooner than 90 days but no later than 120 days from the date the request for site approval was filed with the County Clerk.

B. If, in the Chairman's opinion, County facilities are not sufficient to accommodate the number of persons expected to attend the hearing, the Chairman may arrange for the hearing to be conducted at another site. In such an event, the Chairman is authorized to lease an adequate auditorium and sound system for the hearing. Any and all costs associated with such acquisition shall be paid from the filing fee, consistent with § **289-3**.

C. The Chairman of the County Board shall promptly notify the County Clerk of the date upon which such hearing shall be held, and the County Clerk shall cause notice of such hearing to be made as set forth in the Environmental Protection Act (415 ILCS 5/39.2).

(1) Such notice shall be given as follows:

(a) At least once per week for three successive weeks in the legal notice section of a newspaper of general circulation published in the County.

(b) At least once during the week preceding the public hearing in a newspaper of general circulation throughout the County. Such notice shall consist of all items hereinafter described.

(c) Written notice sent by certified mail to all members of the General Assembly from the district in which the proposed site is located.

(d) Written notice sent by certified mail to the Illinois Environmental Protection Agency.

(e) Written notice sent by certified mail to the governing authority of every municipality contiguous to the proposed site. Members or representatives of the governing authority of a municipality contiguous to the proposed site may appear at and participate in public hearings held pursuant to this chapter.
[Added 2-17-2015]

(2) Such notice shall consist of the following:

(a) The name and address of the applicant requesting the site approval.

(b) The location of the proposed site.

(c) The nature and size of the proposed development.

(d) The nature of the activity proposed.

(e) The probable life of the proposed activity.

(f) The time and date of the public hearing.

(g) The location of the public hearing.

(h) A statement that all interested persons have the right to comment on the request at the public hearing.

D. The County Clerk shall promptly notify the applicant of the date, time and location of such hearing.

E. The State's Attorney, or an assistant, shall make the necessary arrangements to have a court reporter present at any public hearing for purposes of establishing a record and a transcript thereof.

F. The State's Attorney, or an assistant, shall serve as legal advisor for the McLean County Regional Pollution Control Site Hearing Committee.

G. Members of the public shall be allowed to obtain copies of any documents filed upon payment of the actual cost of reproduction.

H. All testimony at any public hearing shall be under oath or affirmation.

I. The applicant requesting site approval shall have the burden of going forward with evidence of the suitability of the site for its proposed use.

J. Any person appearing at the public hearing shall have the right to give testimony and comment on the suitability of the proposed use for the site location. Any person testifying shall be required to state his name and address.

K. The opportunity for any person appearing at the public hearing(s) to cross-examine any witness may be limited by the Committee. The Committee reserves the right to limit testimony, questions, comments and cross-examination to prevent argumentative comments, personal attacks on other parties, to maintain order and decorum during the hearing process, and to prevent cumulative, repetitive or irrelevant material in the record. The Committee reserves the right to ask questions of any party testifying in order to clarify an issue, statement or fact.

L. The Committee or County staff shall have the right to obtain and consider as evidence the previous operating experience and past record of convictions or admissions of violations of the applicant (and any subsidiary or parent corporation) in the field of solid waste management when considering statutory criteria ii and v in Section 39.2(a) of the Environmental Protection Act (415 ILCS 5/39.2).

M. The Committee may request the Illinois Department of Transportation to perform traffic impact studies of proposed locations for regional pollution control facilities.

N. Any person shall have the right to be represented by a licensed attorney at law at the public hearing(s). Such attorneys shall have the right of reasonable cross-examination.

O. Upon the completion of all testimony, the Chairman of the Committee shall announce the evidence-gathering portion of the hearing(s) to be closed. At that time, the department staffs and officials shall prepare their final reports and recommendations. The public hearing may be reconvened, upon notice to the applicant, to hear the staff reports. Any member(s) of the public who wishes to be notified of the reconvened hearing may leave his name and address with the County Clerk. Notice of the reconvened hearing may be mailed not less than three consecutive days prior to the hearing date.

§ 289-12. Public review meeting.

After the public hearing(s) or any continuation thereof, the McLean County Regional Pollution Control Site Hearing Committee shall hold a public review meeting for purposes of establishing findings of fact and a recommendation concerning the site approval request. Any findings of fact and recommendation shall be supported by the record and shall be presented by the Committee to each County Board member.

§ 289-13. Decision by County Board.

[Amended 2-17-2015]
The County Board shall consider the record of the public hearing, the findings of fact and the recommendations of the Pollution Control Site Hearing Committee and shall make a written decision concerning a site approval request not more than 180 days from the date of the County Clerk's filing of

the site approval request, provided such conditions are reasonable and necessary to accomplish the purposes set forth in the Act (415 ILCS 5/39.2) and so long as the conditions are not inconsistent with regulations promulgated by the Illinois Pollution Control Board.

A. Any determination by the County Board shall be supported by the record.

B. No determination by the County Board of a site approval request may be reconsidered except as provided in the Act (415 ILCS 5/1 et seq.).

§ 289-14. Administration of fees and costs.

A. The County Administrator, or his designee, shall establish a suitable accounting system for the acceptance, distribution and reconciliation of the fee in accordance with good accounting practices.

B. The filing fee received shall be deposited with the County Treasurer. The County Treasurer is hereby authorized and directed to receive and hold said filing fee until payment is directed as described below.

C. All expenses incurred by the County of McLean as a result of the request for site approval and the hearing process set forth herein shall be paid from the filing fee.

D. The County Administrator must give preliminary approval before an expense chargeable to the filing fee is incurred, except notice and publication costs incurred by the County Clerk, court reporter fees and legal representation expenses by the State's Attorney.

E. All costs incurred by the County, its staff officials and departments as a result of administering the hearing process herein shall be reported to the Auditor of McLean County.

   (1) The Auditor shall submit said bills and expenditure requests to the County Board for approval. The Board shall authorize reimbursement for expenditures and payment of all bills upon proper documentation.

   (2) Upon termination of any proceedings under the hearing process, the Auditor shall prepare a final accounting and summary of all bills and expenses which shall be presented for approval to the County Board.

F. Any portion of the filing fee not required for reimbursement to the County for costs or expenses incurred by the County under the hearing process shall be returned to the applicant. If the costs incurred by the County exceed the required filing fee, the County Administrator shall present a claim to the applicant for the excess. Payment of this excess is due within 30 days of the date the claim is presented to the applicant.
   [Amended 2-17-2015]

§ 289-15. Appeal procedure.

Appeals on the siting decision of the County Board shall be made in accordance with Section 40.1 of the Act (415 ILCS 5/40.1).