

**Solid Waste Facility Permit Application
Transfer Station**

**Metro Recycling and Transfer Station
603 North Oakwood Street
North Judson, Starke County, Indiana**

Prepared By:

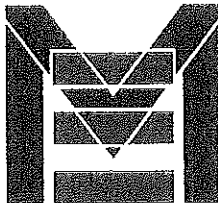
Brian E. Moench, P.E.

Moench Engineering, P.C.

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**DEPARTMENT OF
ENVIRONMENTAL MANAGEMENT
OFFICE OF LAND QUALITY**



MOENCH ENGINEERING, P.C.

A Professional Corporation

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Plainfield, IN 46168,

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**Revision 0
September 23, 2016**

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SOLID WASTE FACILITY PERMIT APPLICATION AND REGISTRATION FEE TRANSMITTAL

State Form 47215 (R6 / 4-15)
 Approved by State Board of Accounts, 2015
 INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 PO Box 3295
 Indianapolis, IN 46206-3295

INSTRUCTIONS You must use this form to transmit application fees for solid waste management facility permit applications and waste tire registrations. The current fees are established at IC 13-20-21-2 through 13-20-21-3. Please make your check or money order payable to the "Indiana Department of Environmental Management." You must submit this fee transmittal form and appropriate fees to the address given in the box above. **DO NOT SUBMIT** this fee transmittal form and payment with your permit application or registration. You must, however, submit a **COPY** of your check or money order and a **COPY** of this fee transmittal form with your permit application or registration.

SECTION A. APPLICANT(S) INFORMATION

Name Metro Recycling, Inc.				
Mailing Address: P.O. Box 229	Street	Apartment number	P.O. Box	Town/City Griffith
State IN	ZIP Code 46319	Telephone Number (with area code) 219-922-1830		
Name and County of Facility Metro Recycling and Transfer Station, Starke County				

SECTION B. SOLID WASTE PERMIT FEE SCHEDULE

Please check below the appropriate fee for your permit or registration.

	Permit Application for New Sites and Major Modifications	Renewal	Minor Modifications
Permit Applications			
Municipal Solid Waste Landfill	<input type="checkbox"/> \$31,300	<input type="checkbox"/> \$15,350	<input type="checkbox"/> \$2,500
Non-municipal Solid Waste Landfill	<input type="checkbox"/> \$31,300	<input type="checkbox"/> \$15,350	<input type="checkbox"/> \$2,500
Processing Facility			
Transfer Station	<input checked="" type="checkbox"/> \$12,150	<input type="checkbox"/> \$2,200	<input type="checkbox"/> \$2,500
Other Processing	<input type="checkbox"/> \$12,150	<input type="checkbox"/> \$2,200	<input type="checkbox"/> \$2,500
Incinerators	<input type="checkbox"/> \$28,650	<input type="checkbox"/> \$5,900	<input type="checkbox"/> \$2,500
Restricted Waste Site Type I	<input type="checkbox"/> \$31,300	<input type="checkbox"/> \$15,350	<input type="checkbox"/> \$2,500
Restricted Waste Site Type II	<input type="checkbox"/> \$31,300	<input type="checkbox"/> \$15,350	<input type="checkbox"/> \$2,500
Restricted Waste Site Type III	<input type="checkbox"/> \$20,000	<input type="checkbox"/> \$7,150	<input type="checkbox"/> \$2,500
Construction/Demolition Site	<input type="checkbox"/> \$20,000	<input type="checkbox"/> \$7,150	<input type="checkbox"/> \$2,500
Registrations			
Waste Tire Storage	<input type="checkbox"/> \$500		
Waste Tire Processing (cutting, shredding, etc.)	<input type="checkbox"/> \$200	<input type="checkbox"/> \$200	
Waste Tire Transportation	<input type="checkbox"/> \$25		



SOLID WASTE PROCESSING FACILITIES AND INCINERATORS NEW FACILITY AND MAJOR MODIFICATION PERMIT APPLICATION CHECKLIST

State Form 53315 (R / 4-11)
Indiana Department of Environmental Management

- INSTRUCTIONS:**
1. The application must contain the following information. When specifying the location of an item, include the Form Number, Volume, Section, and Appendix in which the item is located, in addition to the Page or Drawing Number.
 2. Please check the Present box and specify the Location in the Application if the item is in the application.
 3. This checklist is not to be used for transfer stations.

Required Information	R	Present? (Y,N or N/A)	Location in Application Submittal
329 IAC 11-9-2(a)-(e) Permit Application			
I. The following information provided on forms provided by the commissioner:	P	Y	1.0
A. The name and address of the applicant(s).	P	Y	1.0
B. The name and address of the property owner(s).	P	Y	1.0
C. The name, address, and location of the facility.	P	Y	1.0
D. The legal description of the real property, to include the county, township, range, and section numbers, total acreage, and if applicable, the metes and bounds description, together with the acreage thereof for the following:	P	Y	3.0
1. The area for which ownership will be established.	E/P	Y	3.0
2. The area upon which the facility is located.	E	Y	3.0
3. Sufficient documentation to verify that the facility is located on property owned or leased by the permittee, which must include a map of the legal description for these areas certified by a registered land surveyor.	E	Y	3.0
E. Facility information, including the following:			
1. A description of the type of operation.	E/P	Y	1.0
2. The planned life of the facility (in years).	E/P	Y	1.0
3. The expected volume of waste to be received in cubic yards/day and tons/day. If liquid waste is accepted, please specify volume in gallons/day.	E/P	Y	1.0
4. The type(s) of waste to be received.	E/P	Y	1.0
F. Required signatures and certification statements in accordance with 329 IAC 11-9-3.	P	Y	1.0
G. Detailed plans and design specifications for preoperation as required by the following:	E	Y	3.0
1. 329 IAC 11-9-2	E	Y	7.0
2. 329 IAC 11-12	E	Y	7.0
3. 329 IAC 11-17	E	Y	7.0
4. 329 IAC 11-18	E	Y	7.0
H. Closure and post-closure plans as required by 329 IAC 11-16.	E	Y	12.0
I. A description of the financial instrument which will be used to comply with 329 IAC 11-16 and the financial responsibility provisions and mechanisms as prescribed for solid waste land disposal facilities at 329 IAC 10-39. These documents need not be executed and delivered to the commissioner until after the review of the technical application and the applicant received notice of the requirement from the commissioner.	P	Y	12.0
J. Documents necessary to establish ownership or other tenancy of the real estate, including an option to purchase, upon which the facility is to be located. This includes a certified copy of the deed showing ownership in the person identified as the owner in the application, or said deed and evidence that ownership will be transferred to said owner prior to operation of the facility.	E	Y	3.0
K. The name and addresses of all owners or taxpayers of record of property located within ½ mile of the proposed solid waste processing facility boundary.	P	Y	4.0
L. Documentation from the zoning authority that proper zoning approvals have been obtained, and one (1) or more of the following documents, as applicable:	E	Y	5.0
1. A copy of the zoning requirements, if any, for solid waste processing facilities.	E	Y	5.0
2. The status of any appeals of any zoning determination, and if none pending, the date by which such appeal must be initiated.	E/P	N/A	

The 'R' column denotes the following reviewers: P=Permit Manager E=Engineer G=Geologist C=Chemist GC=Good Character Reviewer N=Needs Reviewer F=Financial Assurance Reviewer

Although this solid waste processing facility permit application checklist is being provided to aid you in preparing your solid waste processing facility permit application in accordance with the solid waste rules, please be advised that it is subject to review and revision. Please consult the actual rule language.

Required Information	R	Present? (Y,N or N/A)	Location in Application Submittal
M. The names and addresses of members of the board of county commissioners of a county affected by the permit application.	P	Y	6.0
N. The names and addresses of the mayors of any cities affected by the permit application.	P	Y	6.0
O. The names and addresses of the presidents of town councils of any towns affected by the permit application	P	Y	6.0
II. Two (2) paper copies and an electronic copy of the completed application and all supporting documentation must be submitted to the commissioner by registered mail, certified mail, or private carrier or delivered in person. The electronic copy must be in the type and format as prescribed by the commissioner (check with IDEM staff). Plans and documentation accompanying the application shall be submitted as required by 329 IAC 11-9-2.	P	Y	13.0
III. If applicable, a request of confidentiality for information submitted in accordance with IC 13-14-11-1 and IC 13-14-11-6.	P	N/A	
IV. If applicant is a corporation, articles of existence signed by the Indiana Secretary of State.	P	Y	2.0
V. An application fee submitted in accordance with IC 13-20-21, using the Fee Transmittal Form supplied by IDEM.	P	Y	1.0
329 IAC 11-9-2(f)-(j) Additional Permit Application Requirements			
I. All design drawings have been:	E	Y	7.0
A. Certified by a registered professional engineer.	E	Y	7.0
B. Properly (uniquely) titled.	E	Y	7.0
II. The following general documentation is required:	E	Y	8.0
A. A USGS topographical map (7 ½ minute) or equivalent, including all areas within 2 miles of the facility with the property and proposed processing facility boundaries clearly delineated.	E	Y	8.0
B. Documentation of the base flood elevation within 1/4 mile of the proposed facility, which must consist of either a letter from the Indiana Department of Natural Resources, or a national flood insurance program map.	E	Y	8.0
III. Plot plans drawn to scale (including a bar scale to indicate the scale if size changes occur) including the following:	E	Y	7.0
A. Access control measures (including fences, gates or natural barriers).	E	Y	7.0
B. Any building where waste will be stored or processed.	E	Y	7.0
C. General layout of equipment, including waste processing and handling equipment and outdoor storage areas.	E	Y	7.0
D. Traffic pattern.	E	Y	7.0
E. Road access.	E	Y	7.0
F. Surface water drainage. The facility must be in compliance with the storm water requirements in 327 IAC 15-5 and 6.	E	Y	7.0
G. Culverts, drainage tiles, and legal drains.	E	Y	7.0
H. Gas and electric easements, power lines, and sewers.	E	Y	7.0
I. Floodplains, floodways, wetlands, water courses, surface water features, and potable drinking water wells.	E	Y	7.0
J. Roads and buildings on and within ½ mile of the facility.	E	Y	7.0
IV. Drawings including the following:			
A. All buildings and all structures used for loading and unloading, storage, and processing of solid waste and showing:	E	Y	7.0
1. Type of construction. The waste processing and storage area must be constructed of impermeable materials, free of cracks to prevent groundwater contamination and be capable of containing all waste water liquids generated by the waste during processing.	E	Y	7.0
2. Construction materials. The construction materials of the waste processing and storage areas, waste water collection system must be chemically resistant to the waste managed and processed at the facility.	E	Y	7.0
B. Layout and dimensions for:	E	Y	7.0

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Required Information	R	Present? (Y,N or N/A)	Location in Application Submittal
1. Storage areas. Indoors and outdoors. If waste will be stored outside, it must be stored in covered, leak proof containers. Liquid waste must be stored in tanks or containers equipped with a secondary containment system. The secondary containment system shall be capable of collecting accumulated waste and liquids from the stored units. The storage areas must have appropriate waste water control system to collect all liquids generated at the storage areas. Include cross sectional drawings of the design details.	E	Y	7.0
2. Processing areas. In areas where waste is being processed, containment and collection of waste liquid generated from waste must be provided. The area must be sufficiently durable and free of cracks to withstand the movement of personnel, waste, and handling equipment. Include cross sectional drawings of the design details.	E	Y	7.0
3. Loading areas.	E	Y	7.0
4. Unloading areas.	E	Y	7.0
C. Sanitary facilities.	E	Y	7.0
D. Plumbing connections.	E	Y	7.0
E. Sewer connections.	E	Y	7.0
F. Utilities.	E	Y	7.0
G. All liquid waste streams generated or accepted by the facility. Show sumps and the waste water removal system including any collection tanks or direct connection to the sewer. Include cross sectional drawings of the design details.	E	Y	7.0
V. Descriptive narrative describing the proposed operation including the following:	E	Y	9.0
A. Anticipated quantity of solid waste to be processed.	E	Y	9.0
1. Types of solid waste to be processed, along with the following information.	E	Y	9.0
a. Any analysis already done on the wastes, and a description of the sampling and analysis methods and equipment used.	E,C	Y	9.0
b. Any proposed analysis of the wastes, including sampling procedures and analytical methods.	E,C	Y	9.0
c. Procedures to ensure that only wastes approved by the commissioner under 329 IAC 11-8 are accepted and processed at the facility.	E	Y	9.0
d. If different waste streams are going to be processed together, provide discussion on how incompatible waste will be stored, managed and processed at the facility to avoid incompatible waste being stored, mixed or processed together.	E	Y	9.0
2. Sources of the solid waste to be processed, including population and area to be served.	E	Y	9.0
B. Detailed description of all processes used in handling, sorting, processing, and transportation of wastes. If liquid waste or sludges are handled at the facility describe additional handling and storing procedures to minimize spills. Double containment may be needed for storage and processing areas outside the facility building. For units where liquid waste is stored, handled, or processed, provide procedures for overflow control and spill cleaning procedures.	E	Y	10.0
1. A waste flow diagram for all waste streams and residues detailing the flow rates for each of these waste streams.	E	Y	10.0
2. Waste screening procedure including the procedure for handling of unacceptable or unauthorized loads.	E	Y	9.0
3. Procedures for handling liquid waste and for waste that may generate fugitive dust, odors or harmful fumes.	E	Y	9.0
C. Description of the proposed testing, treatment, and/or disposal of all waste resulting from the facility. Proposed testing shall be adequate to provide for proper treatment and/or disposal of the wastes.	E,C	Y	9.0
D. Specifications for the base of all areas where wastes will be stored and handled, including the following:	E	Y	7.0
1. Type and thickness of material used.	E	Y	7.0
2. Dimensions of storage and processing areas.	E	Y	7.0
3. Details establishing processing and storage areas are on a hard surface, constructed of an imperable material, such as concrete or asphalt, free of cracks to control and contain waste water and liquid waste processed on the base .	E	Y	7.0

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4. Storage areas must be equipped with spill prevention mechanisms such as curbs and aprons, or the waste must be kept in a leak proof container. Liquid waste storage facilities must be equipped with secondary containment.	E	Y	7.0
E. Specifications establishing that facility operations will be conducted in an enclosed building, with solid walls and a door or doors, that the door(s) will be closed when the facility is not in operation.			
F. Names and locations of all solid waste land disposal facilities anticipated to receive waste and/or residue from the facility.	E	Y	9.0
G. A contingency action plan as defined in 329 IAC 11-2-8.3 that includes the following:	E	Y	9.0
1. Design capacity of waste storage areas.	E	Y	9.0
2. Typical percent capacity used during routine operations.	E	Y	9.0
3. Maximum inventory of wastes in storage or treatment that will occur at any time during the life of the facility.	E	Y	9.0
H. Procedures for controlling:			
1. Dust.	E	Y	9.0
2. Noise.	E	Y	9.0
3. Odors.	E	Y	9.0
4. Vectors.	E	Y	9.0
5. Litter.		Y	9.0
6. Waste screening.			
7. Handling of bulky wastes and other material unsuitable for the proposed process.	E	Y	9.0
8. Spills, including specifications that a spill prevention kit must be available on site.	E	Y	9.0
9. Proposed equipment to abate or control fires	E	Y	9.0
I. Daily cleanup procedures for solid waste storage, processing, loading , unloading areas the facility grounds and adjacent areas to maintain those areas clean and litter free. Facility must be cleaned to prevent a nuisance or public hazard. Include procedure to minimize trucking of waste off-site.	E	Y	9.0
J. Sanitary toilet facilities for employees.	E	Y	9.0
K. Proposed operating hours for the facility.	E	Y	9.0
L. Emergency response plan as defined in 329 IAC 11-2-10.1	E	Y	9.0
M. Proposed protective equipment and clothing for the facility employees.	E	Y	9.0
N. Proposed decontamination procedure for equipment and employees.	E	Y	9.0
O. Inspection procedure of waste storage and processing areas for spills, leaks, structural failure of storage and containment structures, clogging or failure of the waste water removal system and sumps. Include inspection of monitoring, safety and emergency equipment, security devices, and operating equipment that are vital to prevent, detect, or respond to environmental and human health hazards. Provide a schedule for various inspections, which may be daily, weekly, monthly or annually. Inspections records should be kept onsite.	E	Y	9.0
P. Record keeping procedures in compliance with 329 IAC 11-14 and 15.	E	Y	9.0
Q. Proposed on-site all weather roads passable by all vehicles using the proposed facility.	E	Y	9.0
R. Proposed facility signs complying with 329 IAC 11-13.5-4.	E	Y	9.0
S. If a salvaging operation is proposed, the salvage material must be stored in buildings or transportable containers and in accordance with 329 IAC 11-13.5-b(e).	E	Y	9.0
T. Proposed on-site communication equipment such as a telephone or radio.	E	Y	9.0
U. Proposed on-site safety equipment and first aid kit.	E	Y	9.0
V. Proposed access control as required by 329 IAC 11-13.5-2	E	Y	9.0
329 IAC 11-9-3 Signatories to Permit Application and Reports			
I. All permit applications must be signed as follows:	E		
A. For a corporation, by a responsible corporate officer.	E	Y	1.0

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Required Information	R	Present? (Y,N or N/A)	Location in Application Submittal
B. For a partnership or sole proprietorship, by a general partner or the proprietor, respectively.	E	N/A	
C. For a municipality or state, by the executive of the unit.	E	N/A	
D. For a federal or public agency, by either a principal executive officer or ranking elected official or a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency that covers the facility to be permitted.	E	N/A	
II. All reports required by the permits and other information requested by or on behalf of the commissioner must be signed by the permittee, or by a duly authorized representative of that person. A person is presumed to be an authorized representative if the conditions in any of the following are met:	E	Y	1.0
A. The information is submitted on behalf of a person described in subsection I. above.	E	Y	1.0
B. The information is submitted in response to a requirement of the permit or in response to a request for information directed to a person described in subsection I. above.	E	Y	1.0
C. Written authorization is submitted to the commissioner, by an individual identified in subsection I. above that identifies a specific individual or position as authorized to submit information.	E	Y	1.0
III. If an authorization under subsection is no longer accurate, a new authorization satisfying the requirements of subsection II.C. must be submitted to the commissioner prior to or together with any reports of information to be signed by the authorized representative.	E	N/A	
IV. Any person signing a document under subsections I. or II. shall make the certification, "I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who managed the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. I further certify that I am authorized to submit this information."	E	Y	1.0
IC 13-19-4 Good Character Disclosure Statement			
Please note: the following are excluded from this requirement: 1) renewals 2) when an applicant's solid waste facility does not process or dispose, for commercial purposes, solid waste generated offsite 3) government facilities 4) when an applicant has a permit for and has continuously operated a transfer station, solid waste disposal facility, or hazardous waste facility in Indiana after December 31, 2004, and is applying for either a permit for a new transfer station or the transfer of a transfer station permit, or 5) when an applicant has a permit for and has continuously operated a solid waste disposal facility or hazardous waste facility in Indiana after December 31, 2004, and is applying for the transfer of a permit for a solid waste disposal facility. However, in the case of 4) and 5), a disclosure statement is still required when there is a change of ownership of a least fifty percent (50%) ownership control of the entity that holds a permit.			
I. Good character disclosure statement present.	GC	Y	11.0
II. Statement includes the following:	GC	Y	11.0
A. Facility information (Section A).	GC	Y	11.0
1. Facility name and mailing address.	GC	Y	11.0
2. Reason for statement checked .	GC	Y	11.0
B. Applicant information (Section B).	GC	Y	11.0
1. Applicant name and business address.	GC	Y	11.0
C. Responsible party(s) information (Section C).	GC	Y	11.0
1. Responsible party(s) name and business address.	GC	Y	11.0
2. Relationship of responsible party(s) to applicant.	GC	Y	11.0
D. Disclosure statement (Section D).	GC	Y	11.0
1. Each applicant and responsible party has provided own separate disclosure statement.	GC	Y	11.0
2. Disclosure information, including the following:	GC	Y	11.0
a. Name of applicant or responsible party.	GC	Y	11.0
b. Checked off whether statement is for applicant or responsible party.	GC	Y	11.0
c. Marked each condition under section D1 and D2 as to whether "not applicable" or "provided." Information must be provided for all the conditions of only D1(A-C) or D2(A-H) for this section to be complete, both sections do not need to be filled in.	GC	Y	11.0

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Required Information	R	Present? (Y,N or N/A)	Location in Application Submittal
1) For the conditions under D1 (which cannot be used by an individual), applicant/responsible party has provided the following:	GC	Y	11.0
a) Information concerning legal proceedings required by Section 13 or 15(d) of Securities Exchange Act of 1934 for applicant/responsible party, and that this information was reported on form 10-K to the Securities & Exchange Comm.	GC	Y	11.0
b) Description of all judgments entered against applicant/responsible party in civil or administrative complaint for violation of state or federal environmental laws and that have imposed upon the applicant/responsible party a fine or penalty of more than \$10,000 within 5 years of application submittal date.	GC	Y	11.0
c) Description of all judgments of conviction entered against the applicant/responsible party for the violation of any state or federal environmental law within 5 years of application submittal date.	GC	Y	11.0
2) For the conditions under D2, applicant/responsible party has provided the following:	GC	Y	11.0
a) Description of experience of applicant/responsible party in managing type of waste to be managed under permit, including the following:	GC	Y	11.0
i. Name and business address for previous solid waste employer(s).	GC	N/A	
ii. State permit number for solid waste facility(s) previously associated with.	GC	N/A	
iii. Type of work experience.	GC	Y	11.0
iv. Length of time employed.	GC	Y	11.0
b) Description of all civil or administrative complaints against applicant/responsible party for violation of state or federal environmental law resulting in a fine or penalty of more than \$10,000 within 5 years of application submittal date.	GC	Y	11.0
c) Description of all civil or administrative complaints against applicant/responsible party for violation of state or federal environmental law alleging act or omission that constitutes a material violation of state or federal environmental law & that presented a substantial endangerment to the public health or the environment.	GC	Y	11.0
d) Description of all pending criminal complaints alleging the violation of any state or federal environmental law filed against applicant/responsible party within 5 years of application submittal date.	GC	Y	11.0
e) Description of all judgments of criminal conviction against the applicant or responsible party within five (5) years of application submittal date.	GC	Y	11.0
f) Description of all judgments of criminal conviction of a felony constituting a crime of moral turpitude under the laws of any state or the United States that are entered against the applicant or responsible party within five (5) years of application submittal date.	GC	Y	11.0
g) Location of all facilities at which the applicant/responsible party manages the type of waste that would be managed under the permit to which the application refers, including:	GC	Y	11.0
i. Facility name.	GC	Y	11.0
ii. Business address.	GC	Y	11.0
iii. Permit numbers.	GC	Y	11.0
iv. Type of facility.	GC	Y	11.0
h) The following information on the applicant/responsible party:	GC	Y	11.0
i. Date of birth.	GC	Y	11.0
ii. Sex.	GC	Y	11.0
iii. Race.	GC	Y	11.0
E. Signatories-Affirmation (Section E).	GC	Y	11.0
Each applicant/responsible party has completed, in original, for each disclosure statement, a notarized affirmation that all information in disclosure statement and attachments is true.	GC	Y	11.0
329 IAC 11-9-5 Demonstration and Determination of Need Requirements			
I. The following are included in the application:	P	N/A	

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A. A description of the anticipated area that will be served by the facility as indicated by the following:	P	N/A	
1. Solid waste management districts, if established.	P	N/A	
2. County, counties or portions thereof.	P	N/A	
3. County, counties, and state if the area includes portions outside of Indiana.	P	N/A	
B. A description of the existing solid waste management facilities which serve the same described area.	P	N/A	
C. A description of the need that would be fulfilled by constructing the proposed facility, as follows:	P	N/A	
D. For facilities proposed in areas with approved district solid waste management plans, a description of the need identified in the district solid waste management plan required by IC 13-21-5.	P	N/A	
E. For facilities proposed in areas without approved district solid waste management plans, a description of need for the proposed area to be served.	P	N/A	
F. A description of recycling, composting, or other activities which the facility would operate within the proposed area of service.	P	N/A	
G. A description of the additional disposal capacity which the facility, if permitted, would provide for the proposed area of service.	P	N/A	
329 IAC 11-16-1 (IC 13-22-9) Closure Plans and Financial Responsibility			
I. Closure plan:	E	Y	12.0
A. The combined closure and post-closure costs covered by financial responsibility must be at least \$4,000 per acre or part of an acre covered by the facility.	E	Y	12.0
B. A demonstration of financial responsibility in the form of one of the options under subsection (C) will be submitted prior to operation.	E	Y	12.0
C. Description of the instrument to be used for establishing financial responsibility for closure:	P	Y	12.0
1. Trust fund.	P	N/A	
2. Surety bond with standby trust fund agreement.	P	N/A	
3. Letter of credit with standby trust fund agreement.	P	Y	12.0
4. Insurance policy with standby trust fund agreement.	P	N/A	
D. The closure plan shall include the following information:	E	Y	12.0
1. Closure schedule. (IDEM shall be notified at least 15 days prior to the intended date of the closure of the processing facility. The closure shall be initiated within 72 hours after receiving the final volume of waste.)	E	Y	12.0
2. Intended closure and clean-up activities (please provide a cost estimate for each item listed below if applicable):	E	Y	12.0
a. Notification must be given to all affected parties that the facility is closing.	E	Y	12.0
b. Removal of all waste that is stored at the facility. Waste that contains a significant putrescible component, or any other waste that may create pollution conditions, shall be removed from the facility within two days of initiation of the closure. All other waste activities shall be completed within ninety (90) days of initiation of the closure activities.	E	Y	12.0
c. All waste storage, processing, receiving and loading areas including outdoor waste storage and containers must be cleaned and free of waste residues.			
d. Decontamination, removal and/ or decommissioning of all the equipment used in waste processing activities.	E	Y	12.0
e. Removal of wastewater in holding tanks. Clean-up of waste water collection system and secondary containment system if applicable.	E	Y	12.0
f. Other site specific closure activities (please list) such as clean up of sedimentation ponds and storm water run-off structures.	E	Y	12.0
3. A closure certification statement signed by the permittee must be submitted to IDEM within 30 days of closure completion. The certification statement shall:	E	Y	12.0
a. Certify that the facility has been closed in accordance with the closure plan.	E	Y	12.0
b. Include the facility contact person during the post-closure care period including the person's name, address, and phone number.	E	Y	12.0

The 'R' column denotes the following reviewers: P=Permit Manager E=Engineer G=Geologist C=Chemist GC=Good Character Reviewer N=Needs Reviewer F=Financial Assurance Reviewer

Although this solid waste processing facility permit application checklist is being provided to aid you in preparing your solid waste processing facility permit application in accordance with the solid waste rules, please be advised that it is subject to review and revision. Please consult the actual rule language.

Required Information	R	Present? (Y,N or N/A)	Location in Application Submittal
329 IAC 11-16-1 (IC 13-22-9) Post-Closure Plans and Financial Responsibility			
I. Post-closure plan:	P	Y	12.0
A. The combined closure and post-closure costs covered by financial responsibility must be at least \$4,000 per acre or part of an acre covered by the facility.	P	Y	12.0
B. A demonstration of financial responsibility in the form of one of the options under section II. below will be submitted prior to operation.	P	Y	12.0
C. Post-closure care shall include the following activities and shall be performed for one year following the closure certification approval (please include cost estimate with each activity if applicable):	E	Y	12.0
1. A semi-annual inspection of the facility followed by a written inspection report on the condition of the facility to be submitted to IDEM.	E	Y	12.0
2. Maintenance of the facility surface water run-off control if applicable.	E	Y	12.0
3. Maintenance of access control.	E	Y	12.0
4. Removal of any waste that may be illegally dumped at the facility.	E	Y	12.0
5. Any other post-closure care activity that may be necessary to maintain the facility.	E	Y	12.0
II. Description of the instrument to be used for establishing financial responsibility for post-closure.	P	Y	12.0
A. Trust fund.	P	N/A	
B. Surety bond with standby trust fund agreement.	P	N/A	
C. Letter of credit with standby trust fund agreement.	P	Y	12.0
D. Insurance policy with standby trust fund agreement.	P	N/A	
FOR INCINERATORS ONLY			
329 IAC 11-17-1 Additional Permit Application Requirements			
In addition to the other items required, applications for incinerators shall include the following:			
I. A description of the proposed incinerator(s) and all auxiliary equipment, including the following:	E	N/A	
A. Specifications for:	E	N/A	
1. The incinerator.	E	N/A	
2. Auxiliary burners.	E	N/A	
3. Boilers.	E	N/A	
4. Heat recovery units.	E	N/A	
5. Air pollution control equipment.	E	N/A	
6. Waste feed (charging) equipment.	E	N/A	
7. Residue handling equipment.	E	N/A	
B. Design drawings which show the dimensions as well as the locations of the following:	E	N/A	
1. The incinerator.	E	N/A	
2. Auxiliary burners.	E	N/A	
3. Boilers.	E	N/A	
4. Heat recovery units.	E	N/A	
5. Air pollution control equipment.	E	N/A	
6. Waste feed (charging) equipment.	E	N/A	
7. Residue handling equipment.	E	N/A	
C. Design drawings showing the locations of the following sensing equipment:	E	N/A	
1. Temperature.	E	N/A	
2. Pressure.	E	N/A	
3. Oxygen.	E	N/A	

The 'R' column denotes the following reviewers: P=Permit Manager E=Engineer G=Geologist C=Chemist GC=Good Character Reviewer N=Needs Reviewer F=Financial Assurance Reviewer

Although this solid waste processing facility permit application checklist is being provided to aid you in preparing your solid waste processing facility permit application in accordance with the solid waste rules, please be advised that it is subject to review and revision. Please consult the actual rule language.

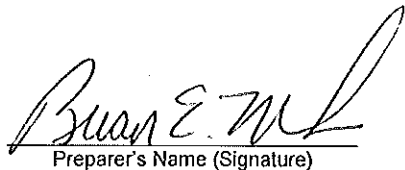
Required Information	R	Present? (Y,N or N/A)	Location in Application Submittal
4. Carbon monoxide.	E	N/A	
5. Carbon dioxide.	E	N/A	
6. Gas flow rate.	E	N/A	
D. Details of the type, composition, quality, and storage of all auxiliary fuels to be used.	E	N/A	
E. A description of:	E	N/A	
1. Stack heights.	E	N/A	
2. Temperature and flow rate of the stack gas.	E	N/A	
F. Calculations of the minimum residence time of the combustion gases in the incinerator.	E	N/A	
G. A discussion of the residence time of the waste in the combustion chamber and the percent burnout achieved.	E	N/A	
H. A description of efficiencies of all control equipment including critical operating parameters affecting that efficiency.	E	N/A	
I. An estimate of emission rates of:	E	N/A	
1. Acid gases.	E	N/A	
2. Sulfur dioxide.	E	N/A	
3. Heavy metals.	E	N/A	
4. Products of incomplete combustion.	E	N/A	
J. A narrative comparing the emissions of the proposed incinerator with those of other proven and operating incinerator designs.	E	N/A	
K. A description of the operating characteristics of the incineration facility including:	E	N/A	
1. Safety procedures.	E	N/A	
2. Testing procedures, including emissions testing and reporting methods.	E	N/A	
3. Maintenance schedules and procedures.	E	N/A	
4. Emergency shutdown procedures for system(s) malfunctions.	E	N/A	
L. A discussion of the procedures to prevent the receipt and subsequent combustion of hazardous waste.	E	N/A	
M. A discussion of the plan for sampling and analysis of all incineration and control equipment residues. This must include a discussion of the site(s) for residue disposal.	E	N/A	

Brian E. Moench

Preparer's Name (Please Print)

President

Preparer's Title (Please Print)


Preparer's Name (Signature)

September 23, 2016

Date

317-837-2767

Preparer's Phone No.

The 'R' column denotes the following reviewers: P=Permit Manager E=Engineer G=Geologist C=Chemist GC=Good Character Reviewer N=Needs Reviewer F=Financial Assurance Reviewer

Although this solid waste processing facility permit application checklist is being provided to aid you in preparing your solid waste processing facility permit application in accordance with the solid waste rules, please be advised that it is subject to review and revision. Please consult the actual rule language.



**SOLID WASTE PROCESSING FACILITY
PERMIT APPLICATION**

State Form 50392 (R2 / 8-06)
Indiana Department of Environmental Management

**INDIANA DEPARTMENT OF ENVIRONMENTAL
MANAGEMENT**

Office of Land Quality
Solid Waste Permits Section - Mail Code 65-45
100 N. Senate Ave., Rm. 1154
Indianapolis, IN 46204-2251

INSTRUCTIONS This application form shall be used to apply for all solid waste processing facility permits and modifications pursuant to 329 IAC 11-9. When completed, please return this form and support documents to the address given in the box above.

This application is for a (check appropriate box):

- new (construction/operation permit) major permit modification (capacity increase)*
 minor permit modification

*Please note that IDEM considers the following additions or changes at a processing facility to be major modifications: 1. new bay loading area; 2. new loading tunnel; 3. expansion of an existing loading bay or tunnel so that additional transfer trailers can be loaded simultaneously; 4. expansion of the existing waste processing area by more than 50%, either through expansion of the area within an existing building or through addition of a new building; or 5. Addition of a major piece of equipment, such as a compactor, that increases the volume of waste being processed.

Section A. Applicant(s) Information

Name Metro Recycling, Inc.				
Mailing Address: P.O. Box 229	Street	Apt. #	P.O. Box	Town/City Griffith
State IN	ZIP 46319	Phone (with area code) 219-922-1830		

Section B. Facility Owner(s) Information

Name Bluebird Investment, LLC				
Mailing Address: P.O. Box 229	Street	Apt. #	P.O. Box	Town/City Griffith
State IN	ZIP 46319	Phone (with area code) 219-922-1830		

Section C. Operator(s) Information

Name Metro Recycling, Inc.				
Mailing Address: P.O. Box 229	Street	Apt. #	P.O. Box	Town/City Griffith
State IN	ZIP 46319	Phone (with area code) 219-922-1830		

Section D. Property Owner(s) Information

Name Bluebird Investments, Inc.				
Mailing Address: P.O. Box 229	Street	Apt. #	P.O. Box	Town/City Griffith
State IN	ZIP 46319	Phone (with area code) 219-922-1830		

Please note that in accordance with 329 IAC 11-11-4(b) the owner, operator & permittee of a solid waste facility, and the owner or owners of the land upon which the facility is located, shall be liable for any environmental harm caused by the facility.

Section E. Facility Information

Name of Facility Metro Recycling and Transfer Station				
Mailing Address: 603 North Oakwood Street	Street	Apt. #	P.O. Box	Town/City North Judson Zip Code 46366
Location Address: 603 North Oakwood Street	Street/County Road	County Starke	Town/City North Judson	

Type of Operation (check appropriate box):

- incinerator – 10 tons/day or greater transfer station
 infectious waste incinerator – 7 tons/day or greater other solid waste processing facility

Planned Life of Facility in Years 20	Expected Daily Volume – Tons 200	Expected Daily Volume – Cubic Yards 1200	Types of Waste Received MSW/CD	Contact Person Stev Dykstra
--	--	--	--	---------------------------------------

Section F. Names and Addresses of Affected Government Officials

1. Members of the board of county commissioners where facility is located

Typed Name Donnie Binkley	Typed Name Kent Danford
Typed Address 1740 E 200 S	Typed Address 11240 W 650 S
Typed Address	Typed Address
Typed City, State, Zip Knox, IN 46534	Typed City, State, Zip San Pierre, IN 46374
Typed Name Kathie Norem	Typed Name
Typed Address 0599 N 650 E	Typed Address
Typed Address	Typed Address
Typed City, State, Zip Knox, IN 46534	Typed City, State, Zip
Typed Name	Typed Name
Typed Address	Typed Address
Typed Address	Typed Address
Typed City, State, Zip	Typed City, State, Zip

2. Mayor(s) of any city(s) affected by the permit application

Typed Name N/A	Typed Name
Typed Address	Typed Address
Typed Address	Typed Address
Typed City, State, Zip	Typed City, State, Zip
Typed Name	Typed Name
Typed Address	Typed Address
Typed Address	Typed Address
Typed City, State, Zip	Typed City, State, Zip

Section F. Names and Addresses of Affected Government Officials (continued)

3. President(s) of town council(s) of any town(s) affected by the permit application

Typed Name Wendy Hoppe	Typed Name
Typed Address North Judson Town Hall	Typed Address
Typed Address 310 Lane Street	Typed Address
Typed City, State, Zip North Judson, IN 46366	Typed City, State, Zip
Typed Name	Typed Name
Typed Address	Typed Address
Typed Address	Typed Address
Typed City, State, Zip	Typed City, State, Zip

Please use additional sheets as needed to include all local officials affected by this permit application.

Section G. Signatures and Certification Statements

329 IAC 11-9-3(d) requires that the signatory for a permit application sign the following certification statement:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. I further certify that I am authorized to submit this information."

Applicant's Name & Title Typed Steve Dykstra	Applicant's Signature	Date Signed
<p>329 IAC 11-9-1(b) requires the owner of the land upon which a facility is located to sign the application form acknowledging the land owner's responsibility established in 329 IAC 11-11-4:</p> <p>"I hereby certify that I am fully aware of my responsibilities established in 329 IAC 11-11-4 as owner of the land upon which a solid waste facility is located and shall be liable for any environmental harm caused by the facility."</p>		
Landowner's Name & Title Typed Steve Dykstra	Landowner's Signature	Date Signed



ARTICLES OF MERGER

State Form 39036 (R9 / 4-12)

Approved by State Board of Accounts, 1995

Approved and Filed
1998040591/7328156
Filing Date: 06/01/2016
Effective :05/26/2016 11:00
FOR OFFICE USE ONLY
Indiana Secretary of State

INSTRUCTIONS: Use 8 1/2" x 11" white paper for attachments.
Present original and one (1) copy to the address in upper right corner of this form.
Please TYPE or PRINT.
Please visit our office on the web at www.sos.in.gov.

FILING FEE: \$90.00

ARTICLES OF MERGER / SHARE EXCHANGE OF METRO RECYCLING, INC.

(hereinafter "the nonsurviving corporation(s)")

INTO

METRO AUTO RECYCLERS, INC.

(hereinafter "the surviving corporation")

ARTICLE I - SURVIVING CORPORATION

SECTION 1

The name of the corporation surviving the merger is METRO RECYCLING, INC.

and such name has has not (designate which) been changed as a result of the merger.

SECTION 2

a. The surviving corporation is a domestic corporation existing pursuant to the provisions of the Indiana Business Corporation Law incorporated on (month, day, year) April 8, 1998.

b. The surviving corporation is a foreign corporation incorporated under the laws of the State of _____
 qualified not qualified (designate which) to do business in Indiana.

If the surviving corporation is qualified to do business in Indiana, state the date of qualification (month, day, year): _____
(If Application for Certificate of Authority is filed concurrently herewith state "Upon approval of Application for Certificate of Authority".)

INDIANA SECRETARY OF STATE
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2015 MAY 26 PM 2:11

ARTICLE II - NONSURVIVING CORPORATION (S)

The name, state of incorporation, and date of incorporation or qualification (if applicable) respectively, of each Indiana domestic corporation and Indiana qualified foreign corporation, other than the survivor, which is party to the merger are as follows:

Name of Corporation <u>METRO RECYCLING, INC.</u>	
State of Domicile <u>Illinois</u>	Date of Incorporation or qualification in Indiana, if applicable (month, day, year) <u>September 18, 2006</u>
Name of Corporation	
State of Domicile	Date of Incorporation or qualification in Indiana, if applicable (month, day, year)
Name of Corporation	
State of Domicile	Date of Incorporation or qualification in Indiana, if applicable (month, day, year)

ARTICLE III - PLAN OF MERGER OR SHARE EXCHANGE

The Plan of Merger or Share Exchange, containing such information as required by Indiana Code 23-1-40-1(b), is set forth in "Exhibit A", attached hereto and made a part hereof.

ARTICLE IV - MANNER OF ADOPTION AND VOTE OF SURVIVING CORPORATION (Must complete Section 1 or 2)

SECTION 1: Shareholder vote not required.

The merger / share exchange was adopted by the incorporators or board of directors without shareholder action and shareholder action was not required.

SECTION 2: Vote of shareholders (Select either A or B)

The designation (i.e., common, preferred or any classification where different classes of stock exist), number of outstanding shares, number of votes entitled to be cast by each voting group entitled to vote separately on the merger / share exchange and the number of votes of each voting group represented at the meeting is set forth below:

- A. Unanimous written consent executed on April 15 20 16 and signed by all shareholders entitled to vote.
- B. Vote of shareholders during a meeting called by the Board of Directors.

	TOTAL	A	B	C
DESIGNATION OF EACH VOTING GROUP (i.e. preferred and common)				
NUMBER OF OUTSTANDING SHARES				
NUMBER OF VOTES ENTITLED TO BE CAST				
NUMBER OF VOTES REPRESENTED AT MEETING				
SHARES VOTED IN FAVOR				
SHARES VOTED AGAINST				

ARTICLE V - MANNER OF ADOPTION AND VOTE OF NONSURVIVING CORPORATION (Must complete Section 1 or 2)

SECTION 1: Shareholder vote not required.

The merger / share exchange was adopted by the incorporators or board of directors without shareholder action and shareholder action was not required.

SECTION 2: Vote of shareholders (Select either A or B)

The designation (i.e., common, preferred or any classification where different classes of stock exist), number of outstanding shares, number of votes entitled to be cast by each voting group entitled to vote separately on the merger / share exchange and the number of votes of each voting group represented at the meeting is set forth below:

- A. Unanimous written consent executed on April 15 20 16 and signed by all shareholders entitled to vote.
- B. Vote of shareholders during a meeting called by the Board of Directors.

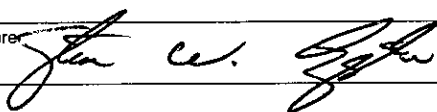
	TOTAL	A	B	C
DESIGNATION OF EACH VOTING GROUP (i.e. preferred and common)				
NUMBER OF OUTSTANDING SHARES				
NUMBER OF VOTES ENTITLED TO BE CAST				
NUMBER OF VOTES REPRESENTED AT MEETING				
SHARES VOTED IN FAVOR				
SHARES VOTED AGAINST				

In Witness Whereof, the undersigned being the President of the surviving corporation
Officer or Chairman of Board

executes these Articles of Merger / Share Exchange and verifies, subject to penalties of perjury that the statements contained herein are true,

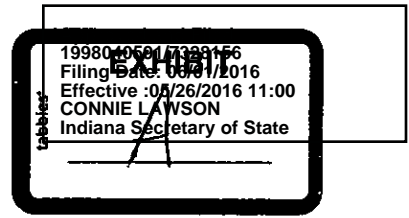
this 15th day of April 15, 20 16.

Signature



Printed name

Steven W. Dykstra



**MERGER AGREEMENT
AND PLAN OF MERGER**

FOR MERGER OF

**METRO RECYCLING, INC.,
An Illinois Corporation**

INTO

**METRO AUTO RECYCLERS, INC.,
An Indiana Corporation**

This Merger Agreement and Plan of Merger ("Agreement") is made, entered into and adopted by METRO RECYCLING, INC., an Illinois corporation (hereinafter referred to as "Illinois Corporation"), and METRO AUTO RECYCLERS, INC., an Indiana corporation (hereinafter referred to as "Indiana Corporation") as of April 15, 2016. The members of the Illinois Corporation and the Indiana Corporation unanimously consent to this action by executing this Agreement.

RECITALS:

- A. Illinois Corporation was incorporated under the laws of the State of Illinois on April 5, 1988 pursuant to the Business Corporation Act of Illinois.
- B. Illinois Corporation registered to transact business in Indiana by filing an Application for Registration as a Foreign Corporation on September 18, 2006, with the Indiana Secretary of State.
- C. Indiana Corporation was organized under the laws of the State of Indiana on April 8, 1998, pursuant to the Indiana Business Corporation Law.
- D. Illinois Corporation wishes to merge into the Indiana Corporation with the effect that the Illinois Corporation will be dissolved and Indiana Corporation will exist after the merger as the sole surviving corporation (the "Merger").
- E. Illinois Corporation and Indiana Corporation will merge pursuant to the Business Corporation Act of Illinois, and pursuant to the Indiana Business Corporation Law.

The Merger of Illinois Corporation and Indiana Corporation will take place under the following terms:

- 1. Parties to Merger. The parties to the Merger will be Illinois Corporation and Indiana Corporation. The surviving corporation will be known as METRO RECYCLING, INC., an Indiana corporation, which will also do business as METRO AUTO RECYCLERS.

2. Terms and Conditions of Merger.

(a) Form of Merger. As of the Date of Merger (as defined below):

(i) All membership interests in and to Illinois Corporation will cease to exist. The parties hereto will own shares of common capital stock in Indiana Corporation in identical proportions to the ownership of shares of common capital stock existing prior to the merger.

(ii) Illinois Corporation shall be dissolved.

The effective Date of Merger shall be July 1, 2016.

(b) Disposition of Assets and Liabilities.

(i) All property, whether real, personal, tangible, or intangible, of Illinois Corporation will vest in Indiana Corporation.

(ii) All liabilities, debts, and obligations of any sort of Illinois Corporation and of Indiana Corporation will be the liabilities, debts, and obligations of Indiana Corporation on and after the Date of Merger, whether such liabilities, debts, or obligations are known or unknown, or contingent or otherwise.

3. By-Laws. As of the Date of Merger, the By-Laws of Indiana Corporation will continue in effect and remain the By-Laws of Indiana Corporation.

4. Share Ownership. The ownership of the shares of common stock of Indiana Corporation on and after the Date of Merger will remain in Diversus, Inc., an Indiana corporation.

5. Certificate of Assumed Business Name. Immediately following the Date of Merger, the Indiana corporation shall cause the filing of a Certificate of the Assumed Business Name of "METRO AUTO RECYCLERS" with the Office of the Indiana Secretary of State.

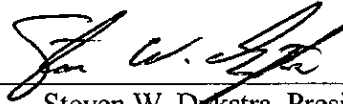
6. Execution of Documents. The parties hereto will promptly execute all documents and take all actions as may be necessary or appropriate to effectuate the intentions expressed in this Merger Agreement.

7. Tax Treatment. The transactions provided for herein and the continuation of the merged corporation are intended to be, and will be treated for all purposes as, the continuation of both Illinois Corporation and Indiana Corporation under Section 708(b)(2)(A) of the Internal Revenue Code of 1986, as amended.

IN WITNESS WHEREOF, the parties have executed this Merger Agreement as of the day and year first written above, effective as of the Date of Merger.

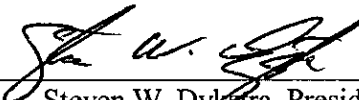
ILLINOIS CORPORATION:

METRO RECYCLING, INC.

By: 
Steven W. Dykstra, President

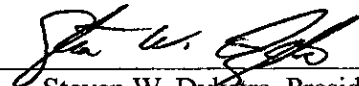
INDIANA CORPORATION:

METRO AUTO RECYCLERS, INC.

By: 
Steven W. Dykstra, President

As the owner and holder of the issued and outstanding common capital stock of Illinois Corporation and Indiana Corporation, we hereby consent to the matters in this Merger Agreement for Merger of Metro Recyclers, Inc., an Illinois corporation, into Metro Auto Recyclers, Inc., an Indiana corporation.

DIVERSUS, INC.

By: 
Steven W. Dykstra, President

**State of Indiana
Office of the Secretary of State**

CERTIFICATE OF AMENDMENT

of

METRO AUTO PARTS AND WRECKERS, INC.

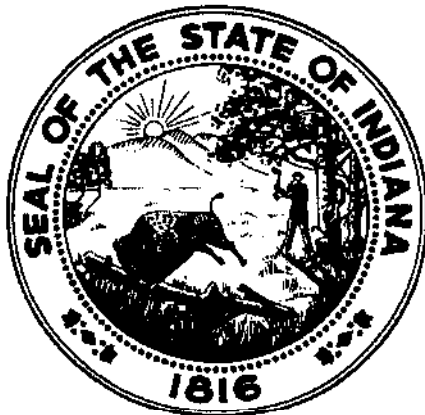
I, TODD ROKITA, Secretary of State of Indiana, hereby certify that Articles of Amendment of the above For-Profit Domestic Corporation have been presented to me at my office, accompanied by the fees prescribed by law and that the documentation presented conforms to law as prescribed by the provisions of the Indiana Business Corporation Law.

The name following said transaction will be:

METRO AUTO RECYCLERS, INC.

Indiana Secretary of State
Packet: 1998040591
Filing Date: 04/06/2010
Effective Date: 04/06/2010

NOW, THEREFORE, with this document I certify that said transaction will become effective Tuesday, April 06, 2010.



In Witness Whereof, I have caused to be affixed my signature and the seal of the State of Indiana, at the City of Indianapolis, April 6, 2010.

A handwritten signature in black ink that reads "Todd Rokita". The signature is written in a cursive, flowing style.

TODD ROKITA,
SECRETARY OF STATE

1998040591 / 2010040788074

Indiana Secretary of State
Packet: 1998040591
Filing Date: 04/06/2010
Effective Date: 04/06/2010



**ARTICLES OF AMENDMENT OF THE
ARTICLES OF INCORPORATION**
State Form 38333 (R 10 /1-03)
Approved by State Board of Accounts, 1995

TODD ROKITA
SECRETARY OF STATE
CORPORATIONS DIVISION
302 W. Washington St., Rm. E018
Indianapolis, IN 46204
Telephone: (317) 232-6578

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CORPORATIONS DIVISION

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INSTRUCTIONS: Use 8 1/2" x 11" white paper for attachments.
Present original and one copy to address in upper right hand corner of this form.
Please TYPE or PRINT.
Please visit our office on the web at www.sos.in.gov.

Indiana Code 23-1-38-1 et seq.
Filing Fee: \$30.00

ARTICLES OF AMENDMENT OF THE ARTICLES OF INCORPORATION OF	
Name of Corporation Metro Auto Parts and Wreckers, Inc.	Date of Incorporation April 8, 1998
The undersigned officers of the above referenced Corporation (hereinafter referred to as the "Corporation") existing pursuant to the provisions of: (Indicate appropriate act) <input checked="" type="checkbox"/> Indiana Business Corporation Law <input type="checkbox"/> Indiana Professional Corporation Act of 1983 as amended (hereinafter referred to as the "Act"), desiring to give notice of corporate action effectuating amendment of certain provisions of its Articles of Incorporation, certify the following facts:	
ARTICLE I Amendment(s)	
The exact text of Article(s) <u>1</u> of the Articles of Incorporation is now as follows: (NOTE: If amending the name of corporation, write Article "1" in space above and write "The name of the Corporation is _____" below.) The name of the Corporation is Metro Auto Recyclers, Inc.	
ARTICLE II	
Date of each amendment's adoption: March 18, 2010	

APPROVED
AND
FILED
Todd Rokita
IND. SECRETARY OF STATE

(Continued on the reverse side)

ARTICLE III Manner of Adoption and Vote

Mark applicable section: NOTE - Only in limited situations does Indiana law permit an Amendment without shareholder approval. Because a name change requires shareholder approval, Section 2 must be marked and either A or B completed.

SECTION 1 This amendment was adopted by the Board of Directors or incorporators and shareholder action was not required.

SECTION 2 The shareholders of the Corporation entitled to vote in respect to the amendment adopted the proposed amendment. The amendment was adopted by: (Shareholder approval may be by either A or B)

A. Vote of such shareholders during a meeting called by the Board of Directors. The result of such vote is as follows:

	Shares entitled to vote.
	Number of shares represented at the meeting
	Shares voted in favor.
	Shares voted against.

Indiana Secretary of State
Packet: 1998040591
Filing Date: 04/06/2010
Effective Date: 04/06/2010

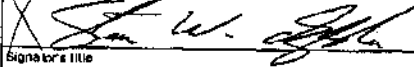
B. Unanimous written consent executed on March 18, 2010 and signed by all shareholders entitled to vote.

ARTICLE IV Compliance with Legal Requirements

The manner of the adoption of the Articles of Amendment and the vote by which they were adopted constitute full legal compliance with the provisions of the Act, the Articles of Incorporation, and the By-Laws of the Corporation.

I hereby verify, subject to the penalties of perjury, that the statements contained herein are true, this 18th day of March, 2010.

Signature of current officer or chairman of the board



Printed name of officer or chairman of the board

Steven W. Dykstra

Signature title

President

STATE OF INDIANA
OFFICE OF THE SECRETARY OF STATE

CERTIFICATE OF INCORPORATION


OF

METRO AUTO PARTS AND WRECKERS, INC.

I, SUE ANNE GILROY, Secretary of State of Indiana, hereby certify that Articles of Incorporation of the above corporation have been presented to me at my office accompanied by the fees prescribed by law; that I have found such Articles conform to law; all as prescribed by the provisions of the Indiana Business Corporation Law, as amended.

NOW, THEREFORE, I hereby issue to such corporation this Certificate of Incorporation, and further certify that its corporate existence will begin April 08, 1998.

In Witness Whereof, I have hereunto set my hand and affixed the seal of the State of Indiana, at the City of Indianapolis, this Eighth day of April, 1998.



Deputy



ARTICLES OF INCORPORATION

State Form 4169 (R10/8-86)
Approved by State Board of Accounts 1995

RECEIVED
CORPORATION DIV.

98 APR -3 AM 9:25

SUE ANNE GILROY

APPROVED
AND
FILED

IND. SECRETARY OF STATE

SUE ANNE GILROY
SECRETARY OF STATE
CORPORATIONS DIVISION
302 W. Washington St. Rm. 601a
Indianapolis, IN 46204
Telephone: 317-232-6576

Indiana Code 23-1-21-2
FILING FEE: \$90.00

INSTRUCTIONS: Use 8 1/2" x 11" white paper for inserts.
Present original and two (2) copies to address in upper right corner of this form.
Please TYPE or PRINT.
Upon completion of filing, the Secretary of State will issue a receipt.

ARTICLES OF INCORPORATION

The undersigned, desiring to form a corporation (hereinafter referred to as "Corporation") pursuant to the provisions of:

Indiana Business Corporation Law

Indiana Professional Corporation Act 1983, Indiana Code 23-1.5-1-1, et seq. (Professional corporations must include Certificate of Registration.)

As amended, executes the following Articles of Incorporation:

ARTICLE I - NAME AND PRINCIPAL OFFICE

Name of Corporation (the name must include the word "Corporation", "Incorporated", "Limited", "Company" or an abbreviation thereof.)
METRO AUTO PARTS AND WRECKERS, INC.

Principal Office: The address of the principal office of the Corporation is:

Post office address: _____ City: _____ State: _____ ZIP code: _____

ARTICLE II - REGISTERED OFFICE AND AGENT

Registered Agent: The name and street address of the Corporation's Registered Agent and Registered Office for service of process are:

Name of Registered Agent: **RICHARD K. DYKSTRA**
Address of Registered Office (street or building): **3000 Lakeside Drive** City: **Highland** Indiana ZIP code: **46322**

ARTICLE III - AUTHORIZED SHARES

Number of shares the Corporation is authorized to issue: **100,000**

If there is more than one class of shares, shares with rights and preferences, list such information as "Exhibit A"

ARTICLE IV - INCORPORATORS

(The name(s) and address(es) of the incorporator(s) of the corporation.)

NAME	NUMBER AND STREET OR BUILDING	CITY	STATE	ZIP CODE
RICHARD K. DYKSTRA	3000 Lakeside Dr.	Highland	IN	46322

In Witness Whereof, the undersigned being all the incorporators of said Corporation execute these Articles of Incorporation and verify, subject to penalties of perjury, that the statements contained herein are true,

this **11th** day of **April**, 19 **98**

Signature	Printed name RICHARD K. DYKSTRA
Signature	Printed name
Signature	Printed name

This instrument was prepared by: (name)
Anthony J. Lepore, 2940 West 95th Street, Evergreen Park, IL 60805

Address (number, street, city and state)

ZIP code

1998040591



NOTICE OF CHANGE OF REGISTERED OFFICE OR REGISTERED AGENT (ALL ENTITIES)

State Form 2627B (R7 / 1-03)

199801057



INSTRUCTIONS: Use 8 1/2" x 11" white paper for attachments.
Present original and one (1) copy to address in upper right corner of this form.
Please TYPE or PRINT.
Please visit our office on the web at www.sos.in.gov.

Indiana Code 23-1-24-2 (for profit corporation)
Indiana Code 23-17-6-2 (non-profit corporation)
NO FILING FEE

Name of entity Metro Auto Parts and Wreckers, Inc.	Date of incorporation / organization / admission April 8, 1998
Current registered office address (number and street, city, state, ZIP code) 3000 Lakeside Drive, Highland, IN 46322	
New registered office address (number and street, city, state, ZIP code) 7487 Jennings Place, Merrillville, IN 46410	
Current registered agent (type or print name) Richard K. Dykstra	
New registered agent (type or print name) John F. Sager	

APPROVED
FILED
TODD BOKITA
SECRETARY OF STATE

STATEMENTS BY REGISTERED AGENT OR ENTITY

This statement is a representation that the new registered agent has consented to the appointment as registered agent, or statement attached signed by registered agent giving consent to act as the new registered agent.

After the change or changes are made, the street address of this corporation's registered agent and the address of its registered office will be identical.

The registered agent filing this statement of change of the registered agent's business street address has notified the represented corporation in writing of the change, and the notification was manually signed or signed in facsimile.

IN WITNESS WHEREOF, the undersigned executes this notice and verifies, subject to the penalties of perjury, that the statements contained herein are true, this 24 day of April, 2006.

Signature <i>[Handwritten Signature]</i>	Title President
---	---------------------------

RECEIVED
CORPORATIONS DIV.
06 APR 25 PM 4:08

SEAL OF THE STATE OF ILLINOIS

OFFICE OF THE SECRETARY OF STATE



Whereas, ARTICLES OF INCORPORATION OF METRO RECYCLING, INC. INCORPORATED UNDER THE LAWS OF THE STATE OF ILLINOIS HAVE BEEN FILED IN THE OFFICE OF THE SECRETARY OF STATE AS PROVIDED BY THE BUSINESS CORPORATION ACT OF ILLINOIS, IN FORCE JULY 1, A.D. 1984.

Now Therefore, I, Jim Edgar, Secretary of State of the State of Illinois, by virtue of the powers vested in me by law, do hereby issue this certificate and attach hereto a copy of the Application of the aforesaid corporation.

In Testimony Whereof, I heretofore my hand and cause to be affixed the Great Seal of the State of Illinois.

at the City of Springfield, this 5TH day of APRIL AD 1988 and of the Independence of the United States the two hundred and 2TH

Jim Edgar
SECRETARY OF STATE

1 2 3 9 | 0 7 2 7

1 2 3 8 1 0 7 2 7

ARTICLE SIX

OPTIONAL

The number of directors constituting the initial board of directors of the corporation is _____ and the names and addresses of the persons who are to serve as directors until the first annual meeting of shareholders or until their successors be elected and qualify are:

Name	Residential Address

ARTICLE SEVEN

OPTIONAL

- (a) It is estimated that the value of all property to be owned by the corporation for the following year wherever located will be: \$ _____
- (b) It is estimated that the value of the property to be located within the State of Illinois during the following year will be: \$ _____
- (c) It is estimated that the gross amount of business which will be transacted by the corporation during the following year will be: \$ _____
- (d) It is estimated that the gross amount of business which will be transacted from places of business in the State of Illinois during the following year will be: \$ _____

ARTICLE EIGHT OTHER PROVISIONS

Attach a separate sheet of this size for any other provision to be included in the Articles of Incorporation, e.g., authorizing pre-emptive rights; denying cumulative voting; regulating internal affairs; voting majority requirements; fixing a duration other than perpetual; etc.

NAMES & ADDRESSES OF INCORPORATORS

The undersigned incorporator(s) hereby declare(s), under penalties of perjury, that the statements made in the foregoing Articles of Incorporation are true.

Dated 3-21, 1987

Signatures and Names	Post Office Address
1. <u><i>Richard Dykstra</i></u> Signature RICHARD DYKSTRA Name (please print)	1. <u>6200 East Goodenow</u> Street <u>Crete, IL 60417</u> City/Town State Zip
2. <u><i>Richard E Drent</i></u> Signature RICHARD E DRENT Name (please print)	2. <u>1718 Stoney Island</u> Street <u>Crete, IL 60417</u> City/Town State Zip
3. _____ Signature Name (please print)	3. _____ Street City/Town State Zip

(Signatures must be in ink on original document. Carbon copy, color or rubber stamp signatures may only be used on "animated copies")
NOTE: If a corporation acts as incorporator, the name of the corporation and the state of incorporation shall be shown and the execution shall be by its President or Vice-President and verified by him, and attested by its Secretary or an Assistant Secretary.

Form BCA-2.10

File No. _____
ARTICLES OF INCORPORATION
FILED

MAR 25 1988

JIM EDGAR
SECRETARY OF STATE
FEE SCHEDULE

The following fees are required to be paid at the time of issuing the Certificate of Incorporation:
FILING FEE \$75.00. INITIAL LICENSE FEE of 1/20th of 1% of the consideration to be received for initial issued shares (See Ar. 5). MINIMUM \$50. INITIAL FRANCHISE TAX of 1/10 of 1% of the consideration to be received for initial issued shares (see Ar. 5). MINIMUM \$25.00.

EXAMPLES OF TOTAL DUE

Consideration to be Received	TOTAL Due*
up to \$1,000	\$100.50
\$ 5,000	\$107.50
\$ 10,000	\$105.00
\$ 25,000	\$112.50
\$ 50,000	\$150.00
\$100,000	\$225.00

*Includes Filing Fee + License Fee + Franchise

APR 05 1988
RETURN TO:
Corporation Department
Secretary of State
Springfield, Illinois 62756
Telephone: (217) 782-6961

AUG 15 2012

BCA-2.10 (Rev. Jul. 1984)

Submit in Duplicate
Payment must be made by Certified Check, Cashier's Check, Illinois Attorney's Check, Illinois C.P.A.'s Check or Money order, payable to "Secretary of State".
DO NOT SEND CASH!

JIM EDGAR
Secretary of State
State of Illinois

ARTICLES OF INCORPORATION

File #

This Space For Use By Secretary of State
Date 8/15/85
License Fee \$.50
Franchise Tax \$ 25.00
Filing Fee \$ 75.00
100.50
Clerk J. C.

Pursuant to the provisions of "The Business Corporation Act of 1983", the undersigned incorporator(s) hereby adopt the following Articles of Incorporation.

ARTICLE ONE The name of the corporation is METRO RECYCLING, INC.
(shall contain the word "corporation", "company", "incorporated", "limited", or an abbreviation thereof)

ARTICLE TWO The name and address of the initial registered agent and its registered office are:

Registered Agent ANTHONY J. LEPORE
First Name Middle Name Last Name

Registered Office 3101 West 95th Street
Number Street Suite # (A.P.O. Box alone is not acceptable)
Evergreen Park, IL 60642 Cook
City Zip Code County

ARTICLE THREE The purpose or purposes for which the corporation is organized are:
If not sufficient space to cover this point, add one or more sheets of this size. 25
To handle, recycle and to dispose of all types of metal, paper and other materials and to do any and all things necessary and convenient to execute the purpose for which this corporation is formed.

ARTICLE FOUR Paragraph 1: The authorized shares shall be:

Class	Par Value per share	Number of shares authorized
Common	N/A	10,000

Paragraph 2: The preferences, qualifications, limitations, restrictions and the special or relative rights in respect of the shares of each class are:
If not sufficient space to cover this point, add one or more sheets of this size.

ARTICLE FIVE The number of shares to be issued initially, and the consideration to be received by the corporation therefor, are:

Class	Par Value per share	Number of shares proposed to be issued	Consideration to be received therefor
Common	N/A	100	\$ 1,000.00
			\$
			\$
			\$
TOTAL			\$ 1,000.00

5503-260-2

* A declaration as to a "par value" is optional. This space may be marked "n/a" when no reference to a par value is desired.

1 2 3 8 | 0 7 2 7

1 2 3 8 1 0 7 2 7

ARTICLE SIX

OPTIONAL

The number of directors constituting the initial board of directors of the corporation is _____ and the names and addresses of the persons who are to serve as directors until the first annual meeting of shareholders or until their successors be elected and qualify are:

Name	Residential Address

ARTICLE SEVEN OPTIONAL

- (a) It is estimated that the value of all property to be owned by the corporation for the following year wherever located will be: \$ _____
- (b) It is estimated that the value of the property to be located within the State of Illinois during the following year will be: \$ _____
- (c) It is estimated that the gross amount of business which will be transacted by the corporation during the following year will be: \$ _____
- (d) It is estimated that the gross amount of business which will be transacted from places of business in the State of Illinois during the following year will be: \$ _____

ARTICLE EIGHT OTHER PROVISIONS

Attach a separate sheet of this size for any other provision to be included in the Articles of Incorporation, e.g., authorizing pre-emptive rights; denying cumulative voting; regulating internal affairs; voting majority requirements; fixing a duration other than perpetual; etc.

NAMES & ADDRESSES OF INCORPORATORS

The undersigned incorporator(s) hereby declare(s), under penalties of perjury, that the statements made in the foregoing Articles of Incorporation are true.

Dated 3-21 19 87

Signatures and Names	Post Office Address
1. <u>Richard Dykstra</u> <i>Signature</i> RICHARD DYKSTRA <i>Name (please print)</i>	1. <u>8200 East Goodenow</u> <i>Street</i> <u>Crete, IL 60417</u> <i>City/Town State Zip</i>
2. <u>Richard C Drenth</u> <i>Signature</i> RICHARD C DRENTH <i>Name (please print)</i>	2. <u>1718 Stoney Island</u> <i>Street</i> <u>Crete, IL 60417</u> <i>City/Town State Zip</i>
3. _____ <i>Signature</i> _____ <i>Name (please print)</i>	3. _____ <i>Street</i> _____ <i>City/Town State Zip</i>

(Signatures must be in ink on original document. Carbon copy, wax or rubber stamp signatures may only be used on "enlarged copies")
NOTE: If a corporation acts as incorporator, the name of the corporation and the state of incorporation shall be shown and the execution shall be by its President or Vice-President and verified by him, and attested by its Secretary or an Assistant Secretary.

Form BCA-2.10

File No. _____
ARTICLES OF INCORPORATION
FILED

APR - 5 1988

JIM EDGAR
SECRETARY OF STATE
FEE SCHEDULE

The following fees are required to be paid at the time of issuing the Certificate of Incorporation:
FILING FEE \$75.00. INITIAL LICENSE FEE of 1-20th of 1% of the consideration to be received for initial issued shares (See Art. 5). MINIMUM \$50. INITIAL FRANCHISE TAX of 1/10 of 1% of the consideration to be received for initial issued shares (see Art. 5). MINIMUM \$25.00.

EXAMPLES OF TOTAL DUE

Consideration to be Received	TOTAL DUE*
up to \$1,000	\$100.50
\$ 5,000	\$100.50
\$ 10,000	\$105.00
\$ 25,000	\$112.50
\$ 50,000	\$130.00
\$100,000	\$225.00

*Includes Filing Fee + License Fee + Franchise

APR 05 1988

RETURN TO:

Corporation Department
Secretary of State
Springfield, Illinois 62756
Telephone: (217) 782-6961

**UNANIMOUS CONSENT RESOLUTION
OF THE
STOCKHOLDER
AND
BOARD OF DIRECTORS
OF
METRO AUTO RECYCLERS, INC.**

The undersigned, being the owner and holder of all of the issued and outstanding common capital stock of METRO AUTO RECYCLERS, INC., an Indiana corporation and the surviving corporation in a merger transaction with METRO RECYCLING, INC., an Illinois corporation, and the duly elected member of the Board of Directors of the Corporation, do hereby resolve as follows:

BE IT RESOLVED: That this Corporation change its name to "METRO RECYCLING, INC." and adopt the assumed business name of "METRO AUTO RECYCLERS" at the earliest possible date.

BE IT FURTHER RESOLVED: That the Corporation amend and restate its Bylaws in their entirety, in the form submitted with and attached to this consent resolution, to reflect the new name of this Corporation.

BE IT FURTHER RESOLVED: That the President and Secretary of this Corporation be, and he is hereby authorized and directed, to take all steps and execute all documents necessary to effectuate the foregoing resolutions.

DATED this 1st day of July, 2016.

DIVERSUS, INC. – Stockholder

By: _____


Steven W. Dykstra, its President

STEVEN W. DYKSTRA – Director





SCALE: 1" = 200'

POINT OF BEGINNING (P.O.B.)

L=235.00, R=11790.50
 $\Delta=1^{\circ}08'31''$
 CHORD:
 N65° 24' 13"E
 234.99'

L=118.41, R=100.00
 $\Delta=67^{\circ}50'40''$

BASIS OF BEARING
 WEST LINE NE1/4, S16
 N0° 19' 08"E
 76.89'

L=450.41, R=11790.50
 $\Delta=2^{\circ}11'20''$
 CHORD:
 N67° 04' 09"E
 450.38'

L=122.81, R=11720.50
 $\Delta=0^{\circ}36'01''$
 CHORD:
 N62° 20' 51"E
 122.81'

A PART OF INSTRUMENT
 NUMBER 2015002200, STARKE
 COUNTY, INDIANA
 350,185.63 S.F.
 8.039 AC

POINT OF COMMENCEMENT:
 IRON ROD FOUND AT SW CORNER
 OF NORTHEAST QUARTER (NE1/4)
 SECTION 16, T32N, R3W.

LEGAL DESCRIPTION:

A PART OF A PARCEL OF LAND RECORDED AT THE CLERK AND RECORDER OF STARKE COUNTY, INDIANA AS INSTRUMENT NUMBER 2015002200 ON 07/28/2015. FURTHERMORE THIS PARCEL OF LAND LOCATED IN THE NORTHEAST QUARTER OF SECTION 16, TOWNSHIP 32 NORTH, RANGE 3 WEST OF THE SECOND PRINCIPAL MERIDIAN WAYNE TOWNSHIP, STARKE COUNTY, INDIANA BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE SOUTHWEST CORNER OF THE NORTHEAST QUARTER OF SECTION 16, AS EVIDENCED BY AN IRON ROD; THENCE NORTH 00°19'08" EAST (BASIS OF BEARINGS) ON THE WEST LINE OF THE NORTHEAST QUARTER OF SECTION 16, A DISTANCE OF 76.89 FEET TO THE BEGINNING OF A TANGENT CURVE CONCAVE TO THE SOUTHEAST, HAVING A RADIUS OF 100.00 FEET AND A DELTA ANGLE OF 67°50'40"; THENCE NORTHEASTERLY ON SAID CURVE, A DISTANCE OF 118.41 FEET TO THE BEGINNING OF A NON-TANGENT CURVE CONCAVE TO THE NORTHWEST, HAVING A RADIUS OF 11790.50 FEET AND A CHORD THAT BEARS NORTH 65°24'13" EAST A DISTANCE OF 234.99 FEET;

LEGAL DESCRIPTION (CONT.):

THENCE NORTHEASTERLY ON SAID CURVE, A DISTANCE OF 235.00 FEET TO THE POINT OF BEGINNING (P.O.B.); THENCE CONTINUING ALONG ON SAID CURVE HAVING A RADIUS OF 11790.50 FEET AND A CHORD THAT BEARS NORTH 67°04'09" EAST A DISTANCE OF 450.38 FEET; THENCE NORTHEASTERLY ON SAID CURVE, A DISTANCE OF 450.41 FEET; THENCE NORTH 40°20'13" EAST A DISTANCE OF 171.33 FEET TO THE BEGINNING OF A NON-TANGENT CURVE CONCAVE TO THE NORTHWEST, HAVING A RADIUS OF 11720.50 FEET AND A CHORD THAT BEARS NORTH 62°20'51" EAST A DISTANCE OF 122.81 FEET; THENCE NORTHEASTERLY ON SAID CURVE, A DISTANCE OF 122.81 FEET; THENCE SOUTH 00°04'17" WEST A DISTANCE OF 266.44 FEET; THENCE SOUTH 89°55'43" EAST A DISTANCE OF 260.00 FEET TO THE WEST LINE OF A PARCEL OF LAND CONVEYED TO THE AMERICAN OAK PERSERVING COMPANY INC. IN DEED DOCUMENT NO. 2013002689; THENCE SOUTH 00°04'17" WEST ON SAID WEST LINE, A DISTANCE OF 370.05 FEET TO THE SOUTH LINE OF THE NORTHEAST QUARTER OF SECTION 16; THENCE NORTH 89°40'06" WEST ON SAID SOUTH LINE, A DISTANCE OF 764.63 FEET; THENCE NORTH 25°36'19" WEST A DISTANCE OF 298.64 FEET TO THE POINT OF BEGINNING.

PARCEL CONTAINS 350,185.63 S.F., OR 8.039 ACRES, MORE OR LESS.

PROPOSED PROPERTY EXHIBIT

SCALE: 1" = 200'



DATE: 09-23-16
 DRAWN BY: TP
 JOB #: 15310
 LOCATION: S16, T32N, R3W, WAYNE TOWNSHIP, STARKE COUNTY, IN.
 SHEET: 1 OF 1

METRO RECYCLING AND TRANSFER
 603 N. OAKWOOD ST.
 NORTH JUDSON, IN 46366

REVISIONS	DATE

370.05'
 AMERICAN OAK
 PERSERVING COMPANY INC.
 IN DEED DOCUMENT NO.
 2013002689



* 2 0 1 5 0 0 2 2 0 0 4 *

LISA M MINIX, RECORDER
STARKE COUNTY, KNOX, IN
RECORDED AS PRESENTED
07/28/2015 09:38:05AM
\$22.00

DULY ENTERED FOR TAXATION
Subject to final acceptance for transfer
28th day of July 2015
Katherine Criffine Auditor
Starke County
Parcel # 014-00371-00
014-02076-00
014-70000-00

CORPORATE WARRANTY DEED and Grant of Easement

THIS INDENTURE WITNESSETH, That

**Starke County Development Foundation Inc.,
now known as Starke County Economic Development Foundation, Inc.**

(Grantor), an Indiana not-for-profit corporation, which has a mailing address of 1915 South Heaton St., Knox, IN 46534, CONVEYS and WARRANTS to:

Bluebird Investments, LLC,

(Grantee), an Illinois Limited Liability Company, which has a mailing address of 504 Brighton Lane, Dyer, IN 46311, for the sum of \$1.00 and other valuable consideration, the following described real estate in Starke County, Indiana, to-wit:

A parcel of land located in the Northeast Quarter of Section 16, Township 32 North, Range 3 West of the Second Principal Meridian, Wayne Township, Starke County, Indiana, being more particularly described as follows:

Beginning at the Southwest corner of the Northeast Quarter of Section 16, as evidenced by an iron rod; thence North 00°19'08" East (basis of bearings) on the West line of the Northeast Quarter of Section 16, a distance of 76.89 feet to the beginning of a tangent curve concave to the Southeast, having a radius of 100.00 feet and a delta angle of 67°56'40"; thence Northeasterly on said curve, a distance of 118.41 feet to the beginning of a non-tangent curve concave to the Northwest, having a radius of 11790.50 feet and a chord that bears North 66°29'53" East a distance of 685.31 feet; thence Northeasterly on said curve, a distance of 685.41 feet; thence North 40°20'13" East a distance of 171.33 feet to the beginning of a non-tangent curve concave to the Northwest, having a radius of 11720.50 feet and a chord that bears North 63°03'32" East a distance of 413.86 feet; thence Northeasterly on said curve, a distance of 413.88 feet to the West line of a parcel of land conveyed to American Oak Preserving Company Inc. in Deed document no. 2013002689; thence South 00°04'17" West on said West line, a distance of 767.32 feet to the South line of the Northeast Quarter of Section 16; thence North 89°40'06" West on said South line, a distance of 1170.60 feet to the point of beginning.

ALSO, a non-exclusive easement, to be known in the future as Arlington Avenue, a formally dedicated road, legally described as follows:

A parcel of land located in the Northeast Quarter of Section 16, Township 32 North, Range 3 West of the Second Principal Meridian, Wayne Township, Starke County, Indiana, being more particularly described as follows:

Commencing at the Southwest corner of the Northeast Quarter of Section 16, as evidenced by an iron rod; thence North 00 degrees 19'08" East (Basis Bearings) on the West line of the Northeast Quarter of Section 16, a distance of 76.89 feet to the point of beginning; thence North 00 degrees 19'08" East on said West line, a distance of 196.84 feet to the centerline of the former Penn Central Railroad; thence Northeasterly on the centerline of the former Penn Central Railroad, distance of 1849.56 feet along a curve, concave to the Northwest and having a radius 11670.50 feet; thence South 30 degrees 49'36" East, a distance of 50.00 feet; thence South 16 degrees 43'52" West, a distance of 81.95 feet; thence South 28 degrees 16'08" East, a distance of 32.63 feet; thence South 57 degrees 42'50" West, a distance of 93.88 feet; thence North 73 degrees 16'08" West, a distance of 125.71 feet to the Southeasterly right-of-way of the former Penn Central Railroad; thence Southwesterly on the Southeasterly right-of-way of said Railroad, a distance of 761.14 feet along a curve, concave to the Northwest and having a radius of 11720.50 feet; thence South 40 degrees 20'13" West, a distance of 171.33 feet; thence Southwesterly, a distance of 685.41 feet along a curve, concave to the Northwest and having a radius of 11790.50 feet; thence Southwesterly, a distance of 118.41 feet along a curve, concave to the Southeast and having a radius of 100.00 feet to the point of beginning.

The Grantor hereby certifies that there is no Indiana adjusted gross income tax due at this time or as a result of this conveyance.

The undersigned persons executing this Corporate Warranty Deed on behalf of Grantor represent and certify that they are duly elected officers of Grantor, and have been fully empowered, by proper resolution of the Board of Directors of Grantor, to execute and deliver this Deed; that Grantor has full corporate capacity to convey the real estate described herein; and that all necessary action for the making of such conveyance has been taken and done.

Grantee hereby acknowledges that it is the intent of Grantor to have the Easement described above formally dedicated as a road, to be known as Arlington Avenue. *JK*
~~Grantee shall not oppose the annexation of the Easement, or the Real Estate, by the Town of North Judson, if it is deemed in the best interests of Grantor to acquire such annexation.~~ *JK S.W.D.* Grantee also

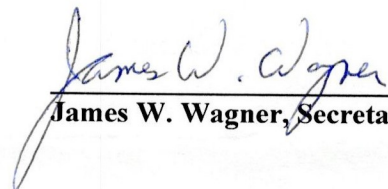
consents to the dedication of the Easement as a public road, whether the dedication is made by the Town of North Judson or by Starke County. Grantee shall not object if the name Arlington Avenue is changed due to Town or County requirements. Grantee will provide consent to the Town of North Judson or to Starke County, if necessary, to effect the road dedication.

IN WITNESS WHEREOF, Grantor and Grantee have acknowledged the execution of this Deed this 21st day of July, 2015.

STARKE COUNTY ECONOMIC DEVELOPMENT FOUNDATION, INC.




William J. Sonnemaker, Vice President



James W. Wagner, Secretary

BLUEBIRD INVESTMENTS, LLC



Steven W. Dykstra, Member

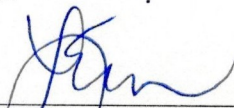
STATE OF INDIANA)
) SS:
COUNTY OF STARKE)

Subscribed and sworn before me, the undersigned, a Notary Public in and for said County and State, personally appeared William J. Sonnemaker and James W. Wagner, on behalf of Starke County Economic Development Foundation, Inc., and Steven W. Dykstra, Member of Bluebird Investments, LLC, who executed the foregoing Corporate Warranty Deed and Grant of Easement and who, having been duly sworn, stated that any representations therein contained are true.

Witness my Notarial Hand and Seal this 21st day of July, 2015.

My commission expires: 4/8/17

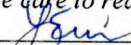




Lynn E. Erickson, Notary Public
Resident of Marshall County, IN

Return deed and send tax bill to Grantee: 504 Brighton Lane, Dyer, IN 46311

This instrument was prepared by Joseph R. Morris, Attorney at Law, Attorney #19494-50, 401 North Center Street, Post Office Box 284, Plymouth, Marshall County, Indiana 46563.

I affirm, under the penalties for perjury, that I have taken reasonable care to redact each Social Security number in this document unless required by law. Lynn E. Erickson 



SCALE: 1" = 200'

POINT OF BEGINNING (P.O.B.)

L=235.00, R=11790.50
 $\Delta=1^{\circ}08'31''$
 CHORD:
 N65° 24' 13"E
 234.99'

L=118.41, R=100.00
 $\Delta=67^{\circ}50'40''$

BASIS OF BEARING
 WEST LINE NE1/4, S16
 N0° 19' 08"E
 76.89'

L=450.41, R=11790.50
 $\Delta=2^{\circ}11'20''$
 CHORD:
 N67° 04' 09"E
 450.38'

L=122.81, R=11720.50
 $\Delta=0^{\circ}36'01''$
 CHORD:
 N62° 20' 51"E
 122.81'

A PART OF INSTRUMENT
 NUMBER 2015002200, STARKE
 COUNTY, INDIANA
 350,185.63 S.F.
 8.039 AC

POINT OF COMMENCEMENT:
 IRON ROD FOUND AT SW CORNER
 OF NORTHEAST QUARTER (NE1/4)
 SECTION 16, T32N, R3W.

LEGAL DESCRIPTION:

A PART OF A PARCEL OF LAND RECORDED AT THE CLERK AND RECORDER OF STARKE COUNTY, INDIANA AS INSTRUMENT NUMBER 2015002200 ON 07/28/2015. FURTHERMORE THIS PARCEL OF LAND LOCATED IN THE NORTHEAST QUARTER OF SECTION 16, TOWNSHIP 32 NORTH, RANGE 3 WEST OF THE SECOND PRINCIPAL MERIDIAN WAYNE TOWNSHIP, STARKE COUNTY, INDIANA BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE SOUTHWEST CORNER OF THE NORTHEAST QUARTER OF SECTION 16, AS EVIDENCED BY AN IRON ROD; THENCE NORTH 00°19'08" EAST (BASIS OF BEARINGS) ON THE WEST LINE OF THE NORTHEAST QUARTER OF SECTION 16, A DISTANCE OF 76.89 FEET TO THE BEGINNING OF A TANGENT CURVE CONCAVE TO THE SOUTHEAST, HAVING A RADIUS OF 100.00 FEET AND A DELTA ANGLE OF 67°50'40"; THENCE NORTHEASTERLY ON SAID CURVE, A DISTANCE OF 118.41 FEET TO THE BEGINNING OF A NON-TANGENT CURVE CONCAVE TO THE NORTHWEST, HAVING A RADIUS OF 11790.50 FEET AND A CHORD THAT BEARS NORTH 65°24'13" EAST A DISTANCE OF 234.99 FEET;

LEGAL DESCRIPTION (CONT.):

THENCE NORTHEASTERLY ON SAID CURVE, A DISTANCE OF 235.00 FEET TO THE POINT OF BEGINNING (P.O.B.); THENCE CONTINUING ALONG ON SAID CURVE HAVING A RADIUS OF 11790.50 FEET AND A CHORD THAT BEARS NORTH 67°04'09" EAST A DISTANCE OF 450.38 FEET; THENCE NORTHEASTERLY ON SAID CURVE, A DISTANCE OF 450.41 FEET; THENCE NORTH 40°20'13" EAST A DISTANCE OF 171.33 FEET TO THE BEGINNING OF A NON-TANGENT CURVE CONCAVE TO THE NORTHWEST, HAVING A RADIUS OF 11720.50 FEET AND A CHORD THAT BEARS NORTH 62°20'51" EAST A DISTANCE OF 122.81 FEET; THENCE NORTHEASTERLY ON SAID CURVE, A DISTANCE OF 122.81 FEET; THENCE SOUTH 00°04'17" WEST A DISTANCE OF 266.44 FEET; THENCE SOUTH 89°55'43" EAST A DISTANCE OF 260.00 FEET TO THE WEST LINE OF A PARCEL OF LAND CONVEYED TO THE AMERICAN OAK PERSERVING COMPANY INC. IN DEED DOCUMENT NO. 2013002689; THENCE SOUTH 00°04'17" WEST ON SAID WEST LINE, A DISTANCE OF 370.05 FEET TO THE SOUTH LINE OF THE NORTHEAST QUARTER OF SECTION 16; THENCE NORTH 89°40'06" WEST ON SAID SOUTH LINE, A DISTANCE OF 764.63 FEET; THENCE NORTH 25°36'19" WEST A DISTANCE OF 298.64 FEET TO THE POINT OF BEGINNING.

PARCEL CONTAINS 350,185.63 S.F., OR 8.039 ACRES, MORE OR LESS.

PROPOSED PROPERTY EXHIBIT

SCALE: 1" = 200'



DATE: 09-23-16
 DRAWN BY: TP
 JOB #: 15310
 LOCATION: S16, T32N, R3W, WAYNE TOWNSHIP, STARKE COUNTY, IN.
 SHEET: 1 OF 1

METRO RECYCLING AND TRANSFER
 603 N. OAKWOOD ST.
 NORTH JUDSON, IN 46366

REVISIONS	DATE

370.05'
 AMERICAN OAK
 PERSERVING COMPANY INC.
 IN DEED DOCUMENT NO.
 2013002689



* 2 0 1 5 0 0 2 2 0 0 4 *

LISA M MINIX, RECORDER
STARKE COUNTY, KNOX, IN
RECORDED AS PRESENTED
07/28/2015 09:38:05AM
\$22.00

DULY ENTERED FOR TAXATION
Subject to final acceptance for transfer
28th day of July 2015
Katherine Criffine Auditor
Starke County
Parcel # 014-00371-00

014-02076-00
014-70000-00

CORPORATE WARRANTY DEED and Grant of Easement

THIS INDENTURE WITNESSETH, That

**Starke County Development Foundation Inc.,
now known as Starke County Economic Development Foundation, Inc.**

(Grantor), an Indiana not-for-profit corporation, which has a mailing address of 1915 South Heaton St., Knox, IN 46534, CONVEYS and WARRANTS to:

Bluebird Investments, LLC,

(Grantee), an Illinois Limited Liability Company, which has a mailing address of 504 Brighton Lane, Dyer, IN 46311, for the sum of \$1.00 and other valuable consideration, the following described real estate in Starke County, Indiana, to-wit:

A parcel of land located in the Northeast Quarter of Section 16, Township 32 North, Range 3 West of the Second Principal Meridian, Wayne Township, Starke County, Indiana, being more particularly described as follows:

Beginning at the Southwest corner of the Northeast Quarter of Section 16, as evidenced by an iron rod; thence North 00°19'08" East (basis of bearings) on the West line of the Northeast Quarter of Section 16, a distance of 76.89 feet to the beginning of a tangent curve concave to the Southeast, having a radius of 100.00 feet and a delta angle of 67°56'40"; thence Northeasterly on said curve, a distance of 118.41 feet to the beginning of a non-tangent curve concave to the Northwest, having a radius of 11790.50 feet and a chord that bears North 66°29'53" East a distance of 685.31 feet; thence Northeasterly on said curve, a distance of 685.41 feet; thence North 40°20'13" East a distance of 171.33 feet to the beginning of a non-tangent curve concave to the Northwest, having a radius of 11720.50 feet and a chord that bears North 63°03'32" East a distance of 413.86 feet; thence Northeasterly on said curve, a distance of 413.88 feet to the West line of a parcel of land conveyed to American Oak Preserving Company Inc. in Deed document no. 2013002689; thence South 00°04'17" West on said West line, a distance of 767.32 feet to the South line of the Northeast Quarter of Section 16; thence North 89°40'06" West on said South line, a distance of 1170.60 feet to the point of beginning.

ALSO, a non-exclusive easement, to be known in the future as Arlington Avenue, a formally dedicated road, legally described as follows:

A parcel of land located in the Northeast Quarter of Section 16, Township 32 North, Range 3 West of the Second Principal Meridian, Wayne Township, Starke County, Indiana, being more particularly described as follows:

Commencing at the Southwest corner of the Northeast Quarter of Section 16, as evidenced by an iron rod; thence North 00 degrees 19'08" East (Basis Bearings) on the West line of the Northeast Quarter of Section 16, a distance of 76.89 feet to the point of beginning; thence North 00 degrees 19'08" East on said West line, a distance of 196.84 feet to the centerline of the former Penn Central Railroad; thence Northeasterly on the centerline of the former Penn Central Railroad, distance of 1849.56 feet along a curve, concave to the Northwest and having a radius 11670.50 feet; thence South 30 degrees 49'36" East, a distance of 50.00 feet; thence South 16 degrees 43'52" West, a distance of 81.95 feet; thence South 28 degrees 16'08" East, a distance of 32.63 feet; thence South 57 degrees 42'50" West, a distance of 93.88 feet; thence North 73 degrees 16'08" West, a distance of 125.71 feet to the Southeasterly right-of-way of the former Penn Central Railroad; thence Southwesterly on the Southeasterly right-of-way of said Railroad, a distance of 761.14 feet along a curve, concave to the Northwest and having a radius of 11720.50 feet; thence South 40 degrees 20'13" West, a distance of 171.33 feet; thence Southwesterly, a distance of 685.41 feet along a curve, concave to the Northwest and having a radius of 11790.50 feet; thence Southwesterly, a distance of 118.41 feet along a curve, concave to the Southeast and having a radius of 100.00 feet to the point of beginning.

The Grantor hereby certifies that there is no Indiana adjusted gross income tax due at this time or as a result of this conveyance.

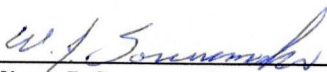
The undersigned persons executing this Corporate Warranty Deed on behalf of Grantor represent and certify that they are duly elected officers of Grantor, and have been fully empowered, by proper resolution of the Board of Directors of Grantor, to execute and deliver this Deed; that Grantor has full corporate capacity to convey the real estate described herein; and that all necessary action for the making of such conveyance has been taken and done.

Grantee hereby acknowledges that it is the intent of Grantor to have the Easement described above formally dedicated as a road, to be known as Arlington Avenue. *JK*
~~Grantee shall not oppose the annexation of the Easement, or the Real Estate, by the Town of North Judson, if it is deemed in the best interests of Grantor to acquire such annexation.~~ *45 S.W.D.* Grantee also

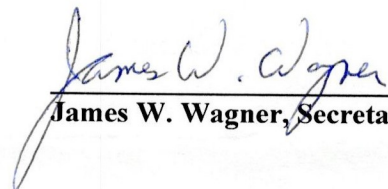
consents to the dedication of the Easement as a public road, whether the dedication is made by the Town of North Judson or by Starke County. Grantee shall not object if the name Arlington Avenue is changed due to Town or County requirements. Grantee will provide consent to the Town of North Judson or to Starke County, if necessary, to effect the road dedication.

IN WITNESS WHEREOF, Grantor and Grantee have acknowledged the execution of this Deed this 21st day of July, 2015.

STARKE COUNTY ECONOMIC DEVELOPMENT FOUNDATION, INC.




William J. Sonnemaker, Vice President



James W. Wagner, Secretary

BLUEBIRD INVESTMENTS, LLC



Steven W. Dykstra, Member

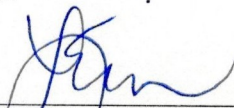
STATE OF INDIANA)
) SS:
COUNTY OF STARKE)

Subscribed and sworn before me, the undersigned, a Notary Public in and for said County and State, personally appeared William J. Sonnemaker and James W. Wagner, on behalf of Starke County Economic Development Foundation, Inc., and Steven W. Dykstra, Member of Bluebird Investments, LLC, who executed the foregoing Corporate Warranty Deed and Grant of Easement and who, having been duly sworn, stated that any representations therein contained are true.

Witness my Notarial Hand and Seal this 21st day of July, 2015.

My commission expires: 4/8/17

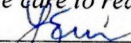




Lynn E. Erickson, Notary Public
Resident of Marshall County, IN

Return deed and send tax bill to Grantee: 504 Brighton Lane, Dyer, IN 46311

This instrument was prepared by Joseph R. Morris, Attorney at Law, Attorney #19494-50, 401 North Center Street, Post Office Box 284, Plymouth, Marshall County, Indiana 46563.

I affirm, under the penalties for perjury, that I have taken reasonable care to redact each Social Security number in this document unless required by law. Lynn E. Erickson 



ADJACENT LANDOWNER/OCCUPANT AFFIDAVIT

State Form 51872 (8-04)
Indiana Department of Environmental Management

STEVE DYKSTRA, being first duly sworn upon oath, deposes and says:

1. I live in Lake County, Indiana, and being of sound mind and over twenty-one (21) years of age, I am competent to give this affidavit.
2. I hold the position of Member for Metro Recycling, Inc.
3. By virtue of my position with for Metro Recycling, Inc. I am authorized to make the representation contained in this affidavit on behalf of the facility.
4. I understand that the notice requirement of IC 13-15-8 and 329 IAC 10-12-1(a)-(b) applies to for Metro Recycling, Inc. for purposes of the accompanying permit application.
5. As required by IC 13-15-8 and 329 IAC 10-12-1(a)-(b), the permit applicant will send written notice to adjacent landowners not more than ten (10) days after submission of the accompanying application for a transfer station filed on behalf of for Metro Recycling, Inc. we.

Further Affiant Saith Not.

I affirm under penalty for perjury that the representations contained in this affidavit are true, to the best of my information and belief.

8-16-16
Date

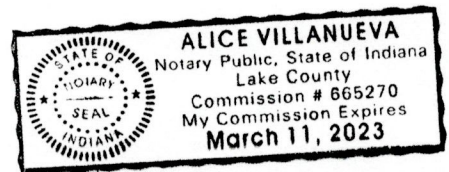
[Signature]
Signature of Affiant

Steve Dykstra
Printed Name

STATE OF Indiana)
COUNTY OF Lake) SS

Before me a Notary Public in and for said County and State, personally appeared Steve Dykstra, and being first duly sworn by me upon oath, says that the facts stated in the foregoing instrument are true. Signed and sealed this 16 day of August, 20 16.

Printed: Alice Villanueva
My Commission Expires: 3-11-23
Residence of Lake County





Owner	PIN	Address	Town	State	Zip	Mailing Address	Town	State	Zip
Patricia R. Carson	75-09-16-400-019.000-013	350 W - Rear	North Judson	IN	46366	PO Box 145	North Judson	IN	46366
Patricia R. Carson	75-09-16-400-018.000-013	350 W.	North Judson	IN	46366	PO Box 145	North Judson	IN	46366
Joyce Bailey	75-19-16-104-027.000-014	719 Arlington	North Judson	IN	46366	719 Arlington	North Judson	IN	46366
James Kersting	75-09-16-302-008.000-014	622 Oakwood St.	North Judson	IN	46366	622 Oakwood St.	North Judson	IN	46366
Jewel Rojas	75-09-16-302-017.000-014	618 Oakwood St	North Judson	IN	46366	618 Oakwood St	North Judson	IN	46366
Alex and Anna Richie	75-09-16-302-018.000-014	612 Oakwood St.	North Judson	IN	46366	909 Beech St.	North Judson	IN	46366
Annie Manns	75-09-16-302-022.000-014	610 Oakwood St.	North Judson	IN	46366	610 Oakwood St.	North Judson	IN	46366
Annie Manns	75-09-16-302-002.100-014	610 Oakwood St.	North Judson	IN	46366	610 Oakwood St.	North Judson	IN	46366
Harold Manns	75-09-16-302-030.000-014	608 Oakwood St	North Judson	IN	46366	608 Oakwood St	North Judson	IN	46366
Alan Felchuck & Ellen Jane	75-09-16-302-031.000-014	604 Oakwood St.	North Judson	IN	46366	604 Oakwood St.	North Judson	IN	46366
Harold and Josephine Manns	75-09-16-302-029.000-014	601 Simmons St.	North Judson	IN	46366	601 Simmons St.	North Judson	IN	46366
Kyle Risner	75-09-16-302-021.000-014	603 Simmons St.	North Judson	IN	46366	603 Simmons St.	North Judson	IN	46366
Charles and Wanda Timmons	75-09-16-302-016.000-014	605 Simmons St.	North Judson	IN	46366	605 Simmons St.	North Judson	IN	46366
Yvonne Kieszkowski	75-09-16-302-013.000-014	609 Simmons St.	North Judson	IN	46366	609 Simmons St.	North Judson	IN	46366
Ralph and Sherry Chessor	75-09-16-302-006.000-014	613 Simmons St.	North Judson	IN	46366	613 Simmons St.	North Judson	IN	46366
Barbara Milam	75-09-16-302-007.000-014	807 North St.	North Judson	IN	46366	2N756 Helen St.	Lombard	IL	60148
Terry Campbell	75-09-16-302-005.000-014	614 Simmons St.	North Judson	IN	46366	614 Simmons St.	North Judson	IN	46366
Ronald and Patricia Kajer	75-09-16-104-026.000-014	605 E. Arlington Ave.	North Judson	IN	46366	605 E. Arlington Ave.	North Judson	IN	46366
Patricia R. Carson	75-09-16-400-020.000-013	350 W - On End	North Judson	IN	46366	PO Box 145	North Judson	IN	46366
American Oak Preserving Company, Inc.	75-09-16-200-017.200-013	3065 W. Arlington Ave.	North Judson	IN	46366	PO Box 187	North Judson	IN	46366
3185 W. Arlington LLC	75-09-16-200-017.100-013	3185 W. Arlington Ave.	North Judson	IN	46366	2625 W. 800 N	Rensselaer	IN	47978
Larry Garrison	75-09-16-200-013.000-013	5400 S. 350 W.	North Judson	IN	46366	5400 S. 350 W.	North Judson	IN	46366
Gary Louis Clark	75-09-16-200-013.000-013	5400 S. 350 W.	North Judson	IN	46366	5400 S. 350 W.	North Judson	IN	46366
Gail Ronco	75-09-16-200-011.000-013	5340 S. 350 W.	North Judson	IN	46366	5340 S. 350 W.	North Judson	IN	46366
Robert and Laura Keehn	75-09-16-200-010.000-013	5280 S. 350 W.	North Judson	IN	46366	5280 S. 350 W.	North Judson	IN	46366
Robert and Laura Keehn	75-09-16-200-009.000-013	350 W - E Side	North Judson	IN	46366	5280 S. 350 W.	North Judson	IN	46366
Danny and Kimberly Howard	75-09-16-200-008.000-013	5260 S. 350 W.	North Judson	IN	46366	5260 S. 350 W.	North Judson	IN	46366
Bobby Ray and Bridget McClung	75-09-16-200-004.000-013	5180 S. 350 W.	North Judson	IN	46366	5180 S. 350 W.	North Judson	IN	46366
Kenneth Amett	75-09-16-200-007.000-013	500 S. & 350 W	North Judson	IN	46366	3260 W. 500 S.	North Judson	IN	46366
Joyce Bailey	75-09-16-104-027.100-014	North St (Rear)	North Judson	IN	46366	719 E. Arlington Ave.	North Judson	IN	46366
Randy & Sherry Taylor	75-09-16-104-025.000-014	601 E. Arlington Ave.	North Judson	IN	46366	601 E. Arlington Ave.	North Judson	IN	46366
Timothy and Connie Miller	75-09-16-104-024.100-014	507 E. Arlington Ave.	North Judson	IN	46366	507 E. Arlington Ave.	North Judson	IN	46366
Willie and Susan Scutchfield	75-09-16-104-023.000-014	Oakwood St.	North Judson	IN	46366	5375 S. 350 W.	North Judson	IN	46366
Daniel and Melissa Minix	75-09-16-104-022.000-014	706 Arlington Ave.	North Judson	IN	46366	706 Arlington Ave.	North Judson	IN	46366
Cindy Morrow	75-09-16-104-021.000-014	610 Arlington Ave.	North Judson	IN	46366	610 Arlington Ave.	North Judson	IN	46366
Charles and Wanda Timmons	75-09-16-104-020.000-014	608 Arlington St.	North Judson	IN	46366	0475 E. 400 S.	North Judson	IN	46366
Larry and Amie Clemons	75-09-16-104-019.000-014	606 E. Arlington St.	North Judson	IN	46366	108 N. George St.	North Judson	IN	46366
Teddie and Patricia Sinn	75-09-16-104-001.100-014	900 Beech St.	North Judson	IN	46366	900 Beech St.	North Judson	IN	46366
Eugene and Theresa Harper	75-09-16-104-004.000-014	5295 S. 350 W.	North Judson	IN	46366	5295 S. 350 W.	North Judson	IN	46366
Carla Harper	75-09-16-104-007.100-014	5325 S. 350 W.	North Judson	IN	46366	5325 S. 350 W.	North Judson	IN	46366
Willie and Susan Scutchfield	75-09-16-104-009.000-014	5375 S. 350 W.	North Judson	IN	46366	5375 S. 350 W.	North Judson	IN	46366
Barry and Doran Sue Matzat	75-09-16-104-003.000-014	S 350 W.	North Judson	IN	46366	PO Box 146	North Judson	IN	46366

STARKE COUNTY PLANNING COMMISSION
53 EAST MOUND STREET
KNOX, IN. 46534
574-772-9133

March 26, 2015

Administrator/Building Commissioner
Terry Ray Stephenson
Clerk/Secretary
Pamla J. Starkey

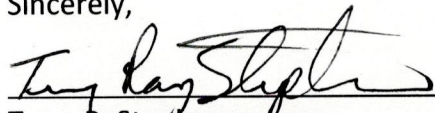
To Whom It May Concern

Starke County has approved the use of the property in the North Judson Industrial Park to include a full service recycling center in which Metro Recycling will be allowed to purchase recyclables in various forms such as metal, paper, plastics and automobiles to be further processed for sale.

Additionally, it will allow Metro Recycling to operate a MSW (Municipal Solid Waste) Transfer Station, pending their obtaining the appropriate IDEM permits.

Starke County understands that the recycling facility requires outdoor storage within a fenced in area for items that include but are not limited to metal, automobiles, wood, shingles and concrete (recyclables) that require additionally processing for resale or reuse.

Sincerely,



Terry R. Stephenson
Administrator/Building Commissioner
TRS:pjs

Names and Addresses of Affected Government Officials		
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<i>Starke County Commissioners</i>		
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Donnie Binkley	1740 E 200 S	Knox, IN 46534
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Kent Danford	11240 W 650 S	San Pierre, IN 46374
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Kathie Norem	0599 N 650 E	Knox, IN 46534
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<i>North Judson Town Council President</i>		
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Wendy Hoppe	310 Lane Street	North Judson, IN 46366
-------------	-----------------	------------------------

Metro Recycling and Transfer

603 N. Oakwood St.

North Judson, IN 46366

Owner:

Bluebird Investment, LLC
 1501 E Main St
 Griffith, Indiana 46319
 Phone: (219) 922-1830

Civil Engineer:

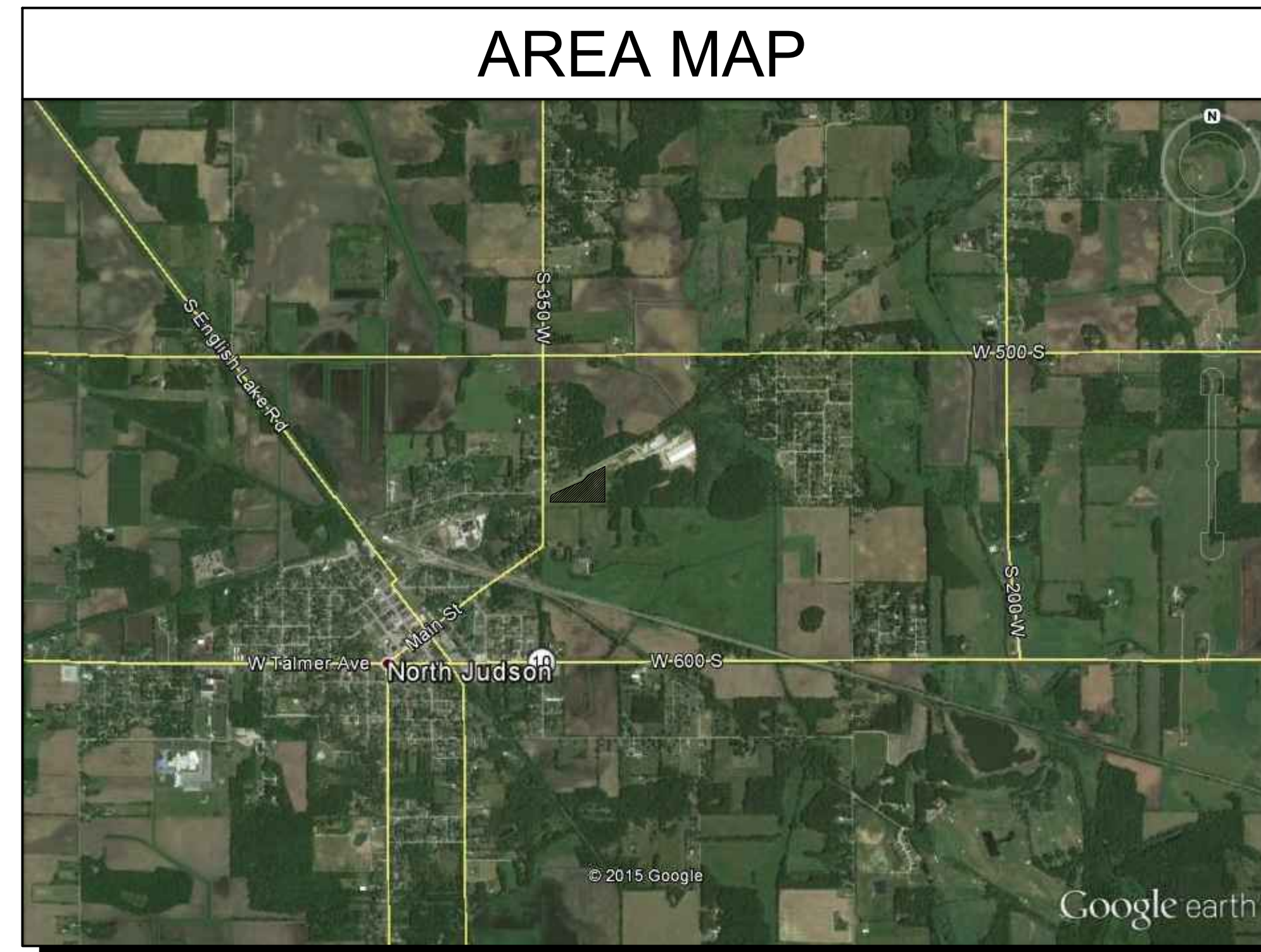
Moench Engineering, P.C.
 3996 Clarks Creek Road
 Suite 100
 Plainfield, Indiana 46168
 Phone: (317) 837-2767
 Fax: (317) 837-7266

Jurisdictional Contact:

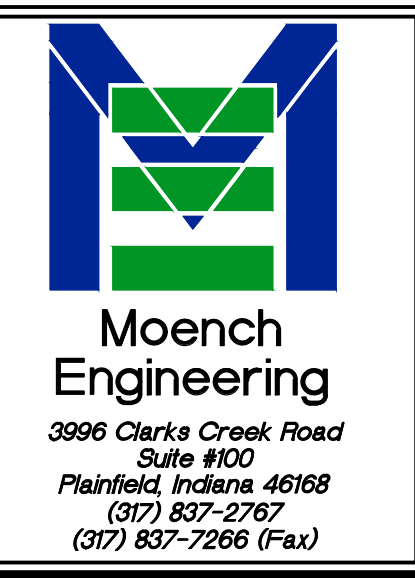
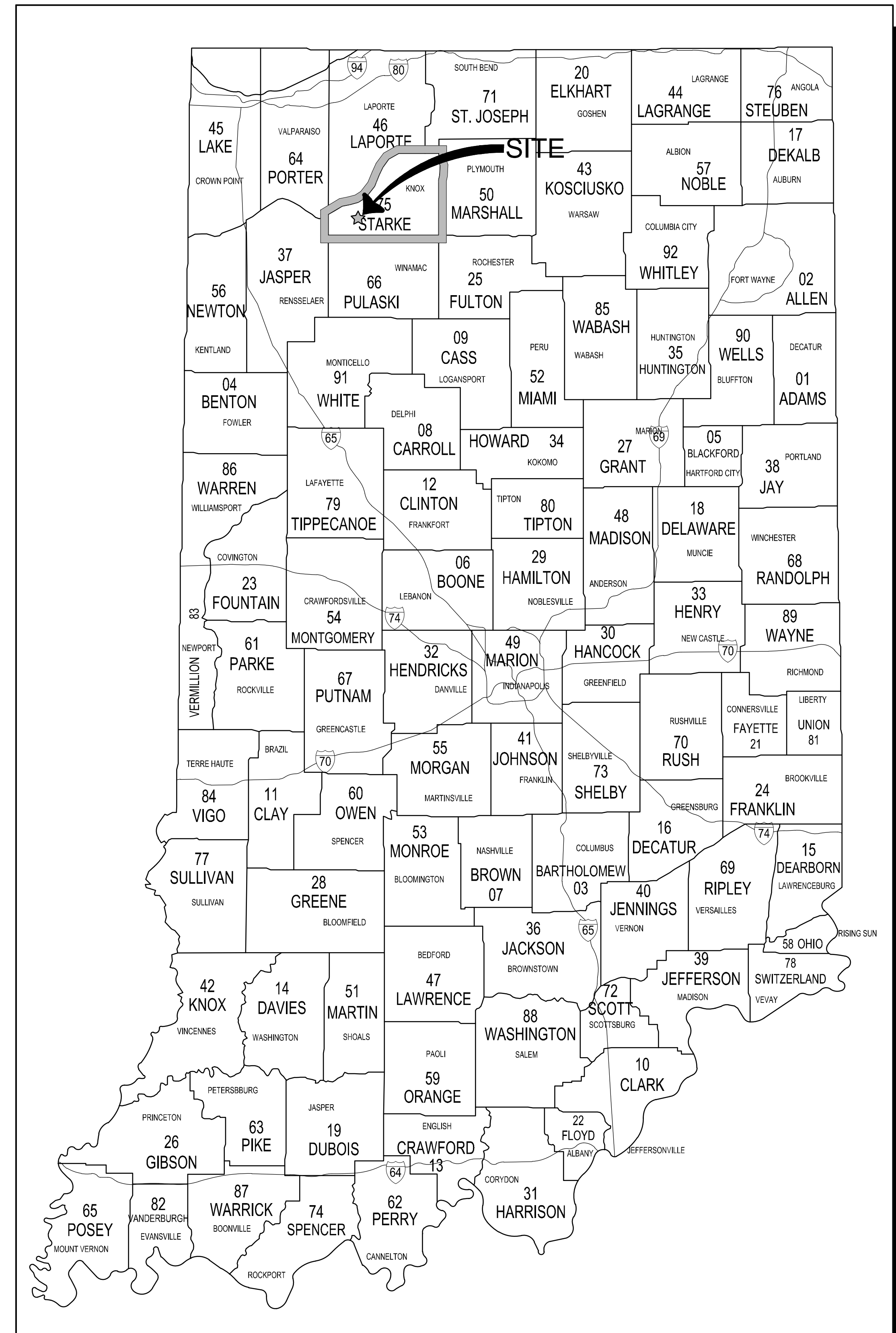
Starke County Planning Commission
 53 E Mound Street
 Knox, Indiana 46534
 Phone: (574) 772-9133

Indiana Department of
 Environmental Management
 100 North Senate Avenue
 Indianapolis, Indiana 46204

INDEX OF DRAWINGS	
SHT.	TITLE
ARCHITECTURAL DRAWINGS	
A000	COVER SHEET
A101	FLOOR PLAN
A201	LIFE SAFETY PLAN
A301	BUILDING ELEVATIONS
A302	BUILDING ELEVATIONS
A303	BUILDING ELEVATIONS
A304	BUILDING ELEVATIONS
A501	WALL SECTIONS
A502	WALL SECTIONS
E101	LIGHTING PLAN
P101	PLUMBING PLAN



SUBJECT SITE:
SITE LOCATED IN WAYNE TOWNSHIP
STARKE COUNTY, INDIANA
2176356.45 N, 3040758.27 E



THESE DRAWINGS ARE GIVEN IN CONFIDENCE AND SHALL BE USED ONLY IN PURSUANT TO THE AGREEMENT WITH MOENCH ENGINEERING, P.C. NO OTHER USE OR DUPLICATION MAY BE MADE WITHOUT THE PRIOR WRITTEN CONSENT OF MOENCH ENGINEERING, P.C. ALL OTHER COPYRIGHT AND COMMON LAW RIGHTS ARE HEREBY SPECIFICALLY RESERVED.

Metro Recycling and Transfer Building
 603 N. Oakwood St.
 NORTH JUDSON, INDIANA 46366

COVER SHEET



REVISIONS:		
0	ISSUED FOR IDEM	09/23/16

DRAWN BY:	AEC
CHECKED BY:	BEM
PROJECT NUMBER:	15310
DATE:	09/23/16
SHEET NUMBER:	A000

GENERAL PLAN NOTES:

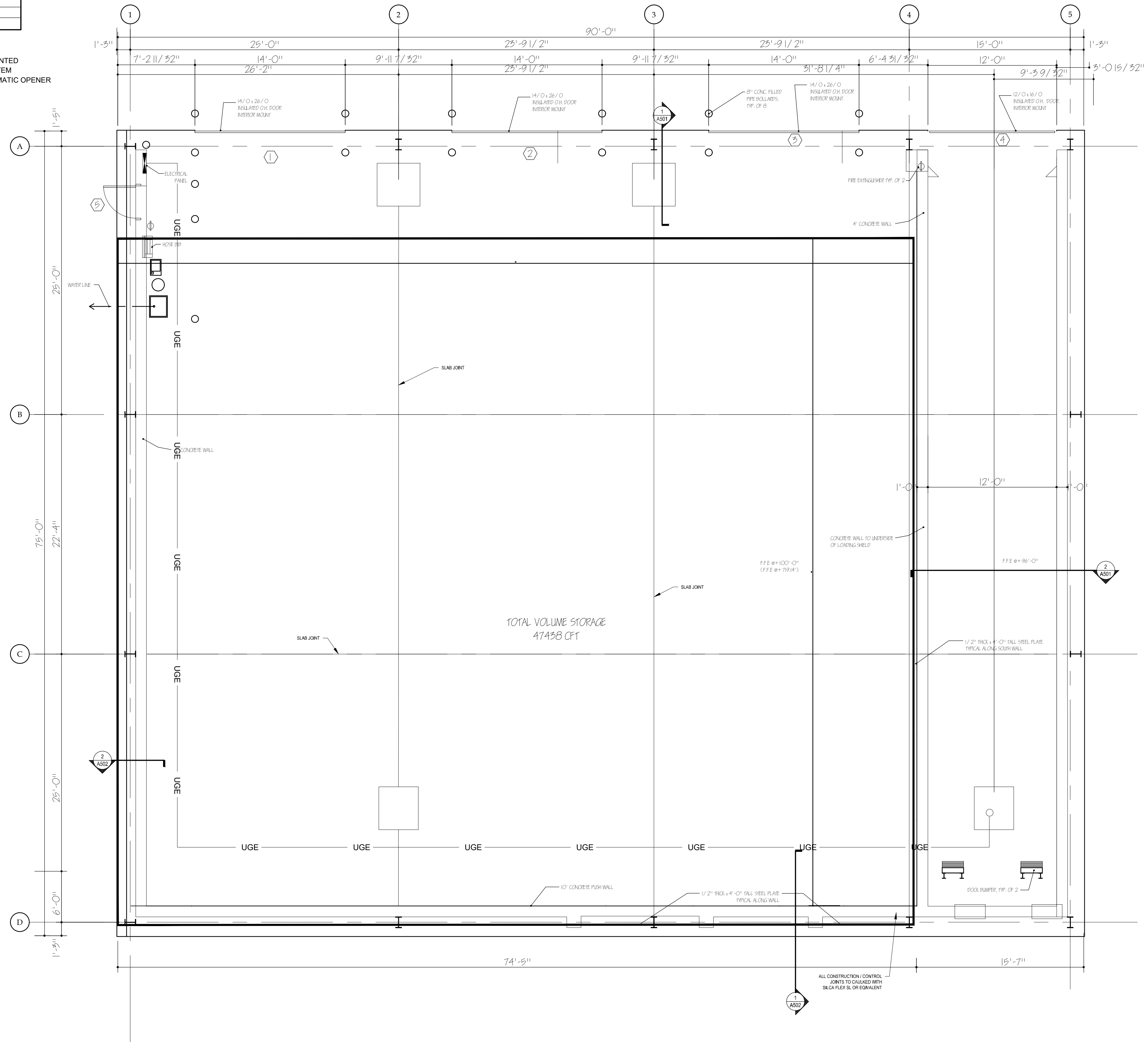
- ALL ROOM DIMENSIONS ARE TO FACE OF GIRT OR FACE OF STUD UNLESS NOTED OR SHOWN OTHERWISE.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS AND REPORT ANY DISCREPANCIES FROM THIS PLAN TO THE ARCHITECT BEFORE PROCEEDING WITH CONSTRUCTION.
- ALL APPLICABLE LAWS, ORDINANCES, RULES AND REGULATIONS OF ALL AUTHORITIES HAVING JURISDICTION OVER CONSTRUCTION IN THE AREA / LOCALE OF THIS PROJECT SHALL APPLY TO THE CONTRACT THROUGHOUT, AND SHALL BE DEEMED AS INCLUDED IN THE CONTRACT. THE FOLLOWING CODES, REGULATIONS OR STANDARDS SHALL GOVERN THE CHARACTER OF THE WORK. ALSO, THE QUALITY, STYLE, TYPE AND CAPACITY OF ALL MATERIALS AND EQUIPMENT USED, AND EVERY REQUIREMENT, INCLUDING THE LATEST REVISIONS OF THESE REGULATIONS SHALL BE OBSERVED:
 - A. THE NATIONAL ELECTRICAL CODE
 - B. THE UNIFORM BUILDING CODE
 - C. THE B.O.C.A. PLUMBING CODE
 - D. THE NATIONAL FIRE PROTECTION ASSOCIATION CODES
 - E. THE AMERICANS WITH DISABILITIES ACT
- ALL INTERIOR FINISHES SHALL CONFORM WITH CHAPTER 8 OF THE UNIFORM BUILDING CODE.
- PROVIDE BLOCKING AS REQUIRED FOR ALL WALL HUNG OR SURFACE MOUNTED ITEMS SUCH AS MILLWORK, SHELVING, TOILET ACCESSORIES, ETC.
- CAULK ALL JUNCTURES BETWEEN DISSIMILAR MATERIALS.
- ALL CASEWORK, COUNTERTOPS, WALLS, CABINETS, ETC. SHOWN ON PLAN TO BE DETAILED AT A LATER DATE.
- SEE ELECTRICAL/MECHANICAL DRAWINGS FOR ELECTRICAL AND MECHANICAL WORK BY THOSE TRADES.
- ALL SINK FAUCET HANDLES SHALL BE 'LEVER-HANDLE' TYPE.
- ALL JOINTS TO BE CAULKED AND SEALED.
- RESTROOM(S) LOCATED ON-SITE IN THE OFFICE BUILDING.
- OCCUPANCY CLASSIFICATION: S
- CONSTRUCTION TYPE: TYPE VB

NOTE:
BUILDING STRUCTURE IS A PRE-ENGINEERED BUILDING PROVIDED BY THIRD PARTY SUPPLIER. FRAMING TO BE THEIR TYPICAL PACKAGE

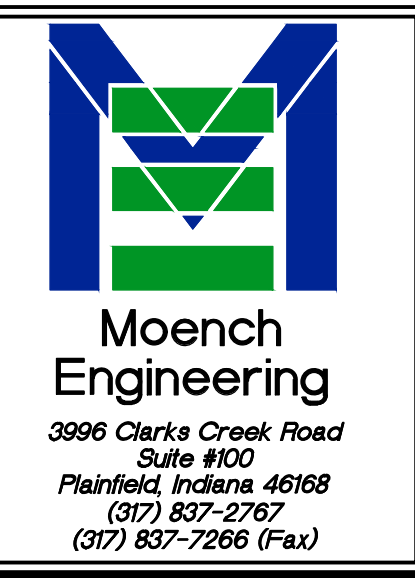
NOTE:
CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL REPORT AND DISCREPANCIES TO THE ARCHITECT.

DOOR SCHEDULE				
DOOR #	DOOR TYPE	DOOR HARDWARE	DOOR CLOSURE	COMMENTS
1	B	--	NO	14'0" (W) x 26'0" (T) O.H. DOOR
2	B	--	NO	14'0" (W) x 26'0" (T) O.H. DOOR
3	B	--	NO	14'0" (W) x 26'0" (T) O.H. DOOR
4	B	--	NO	12'0" (W) x 16'0" (T) O.H. DOOR
5	A	K	YES	3'0" x 7'0" MAN DOOR

K = KEYED LOCKSET w/ KNOB
TYPE 'A' = INSULATED METAL DOOR AND FRAME, PAINTED
TYPE 'B' = INSULATED STEEL OVERHEAD DOOR SYSTEM
w/ MANUAL CHAIN OPERATION AND AUTOMATIC OPENER

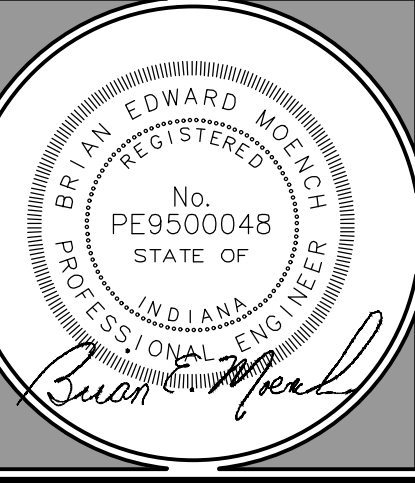


FLOOR PLAN
3/16" = 1'-0"



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Metro Recycling and Transfer Building
603 N. Oakwood St.
NORTH JUDSON, INDIANA 46366



REVISIONS:		
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CHECKED BY:	BEM
PROJECT NUMBER:	15310
DATE:	09/23/16
SHEET NUMBER:	

A101



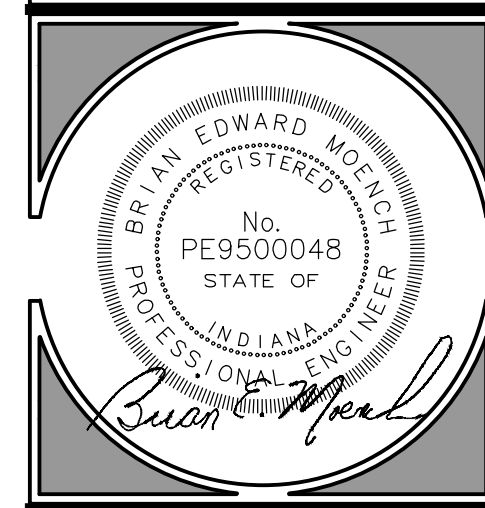
Moench Engineering
 3996 Clark Creek Road
 Suite #100
 Plainfield, Indiana 46168
 (317) 837-2787
 (317) 837-7288 (Fax)

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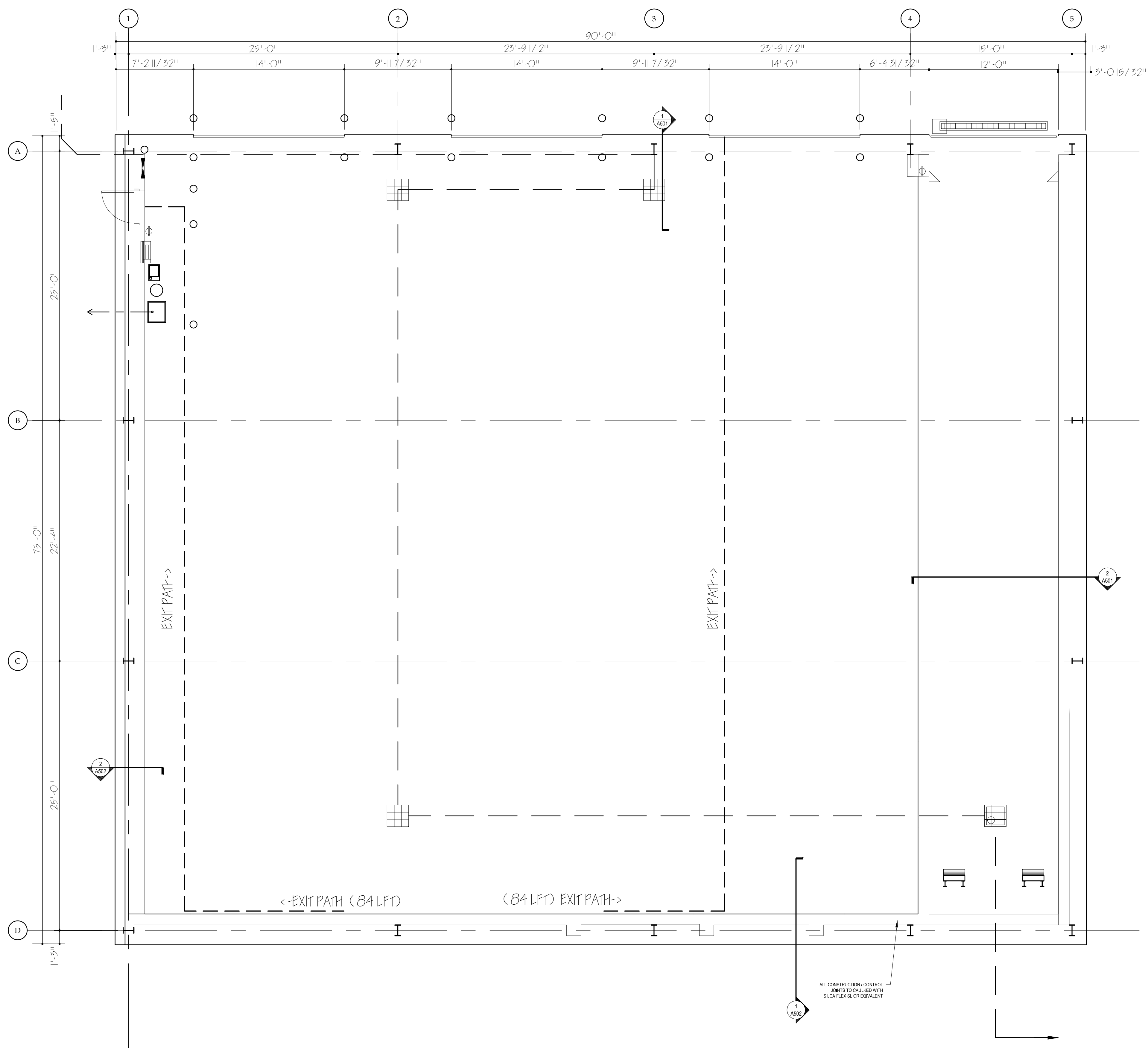
LIFE SAFETY PLAN



REVISIONS:		
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DATE:	09/23/16
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A102



LIFE SAFETY PLAN
 3/16" = 1'-0"



PLAN NORTH

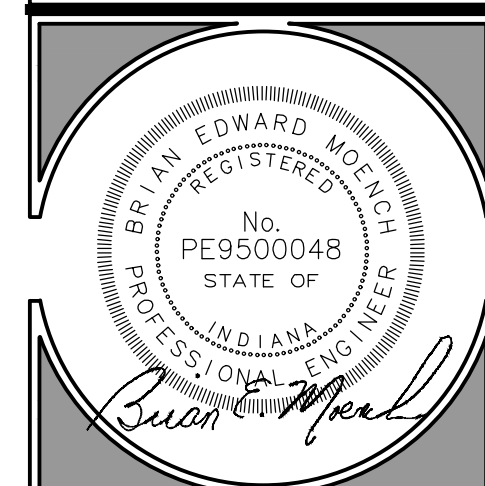


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 3996 Clark Creek Road
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 Plainfield, Indiana 46168
 (317) 837-2767
 (317) 837-7266 (Fax)

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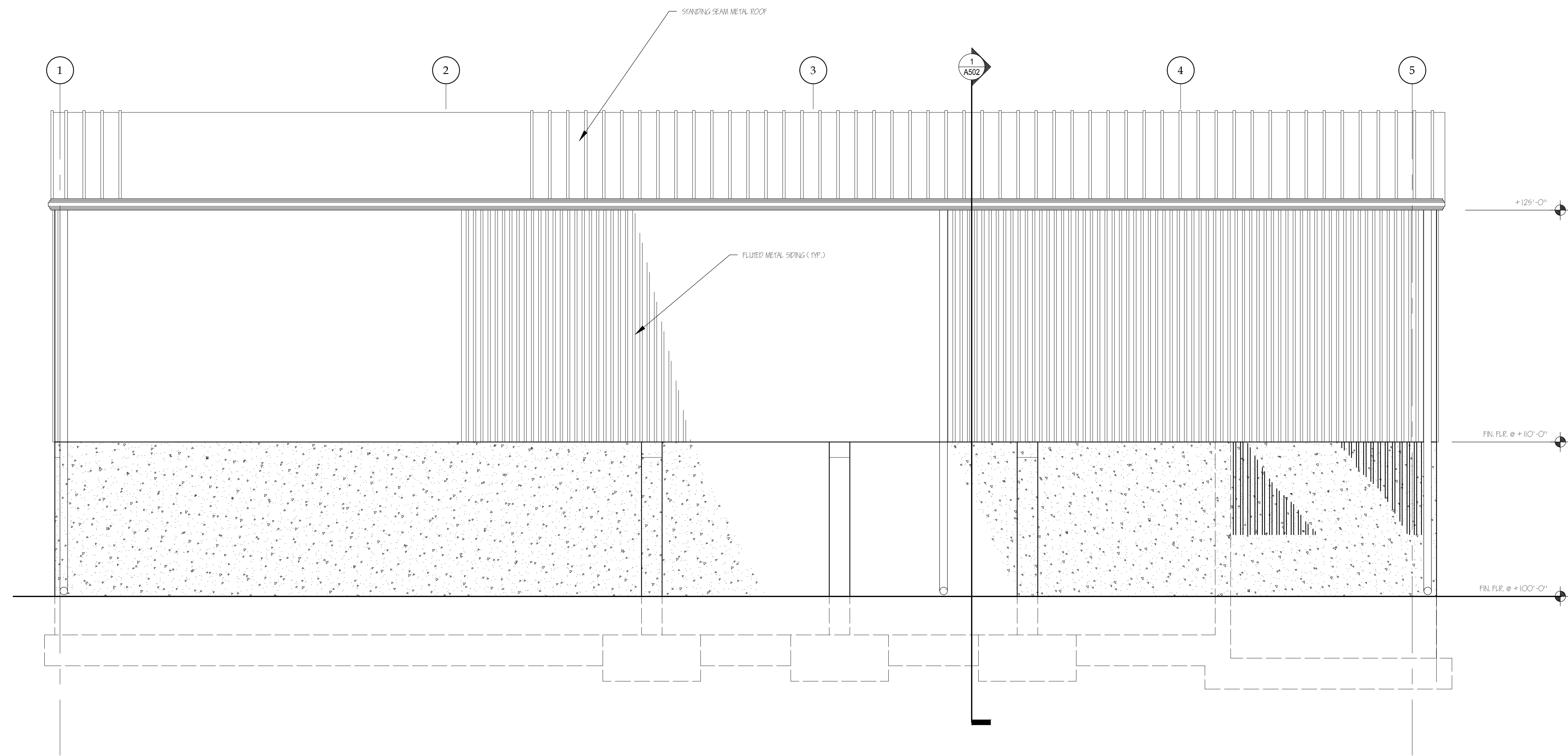
BUILDING ELEVATIONS



REVISIONS:		
0	ISSUED FOR IDEM	09/23/16

DRAWN BY: AEC
 CHECKED BY: BEM
 PROJECT NUMBER: 15310
 DATE: 09/23/16
 SHEET NUMBER:

A301



EAST ELEVATION
 1/4" = 1'-0"



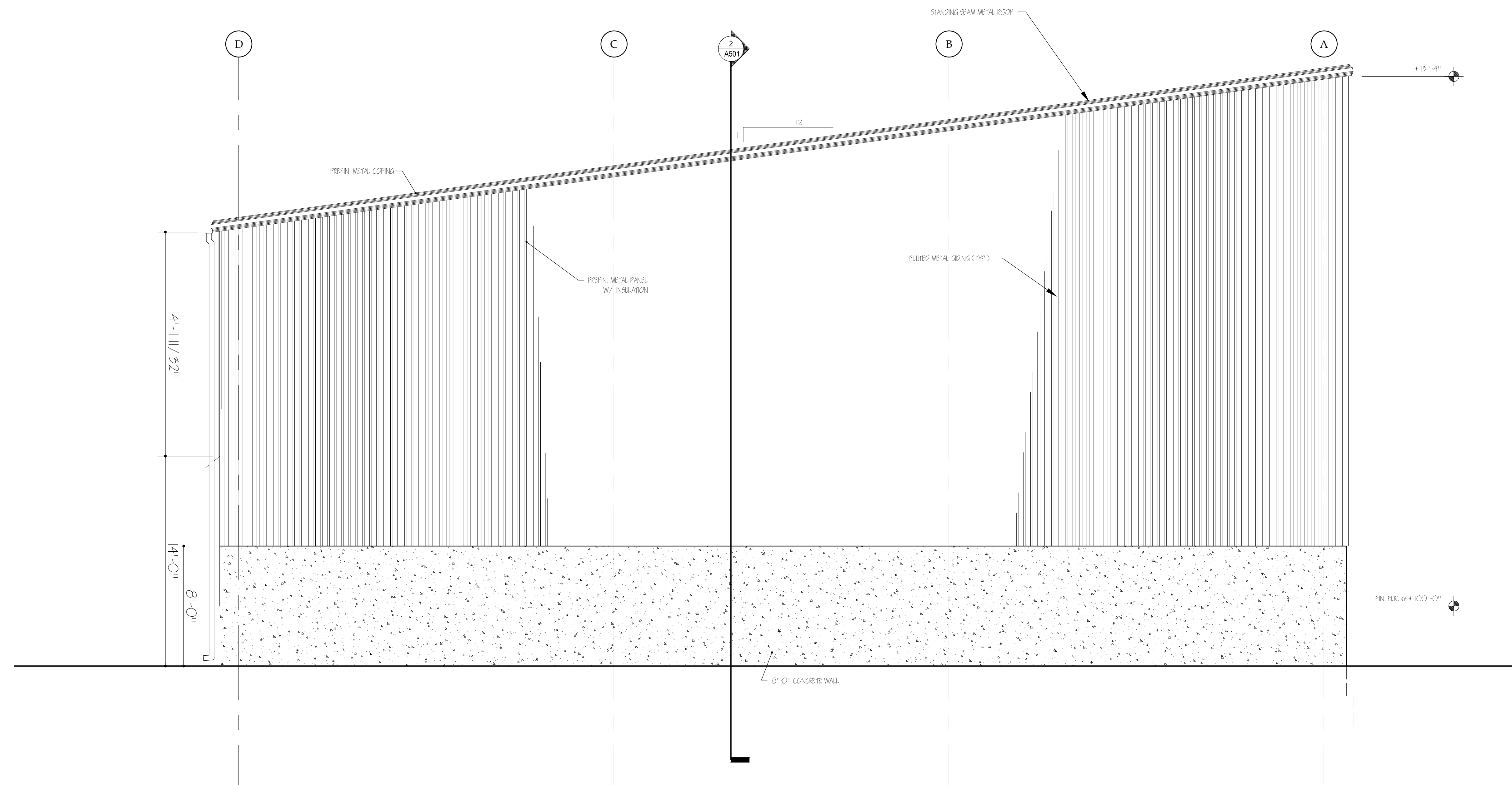
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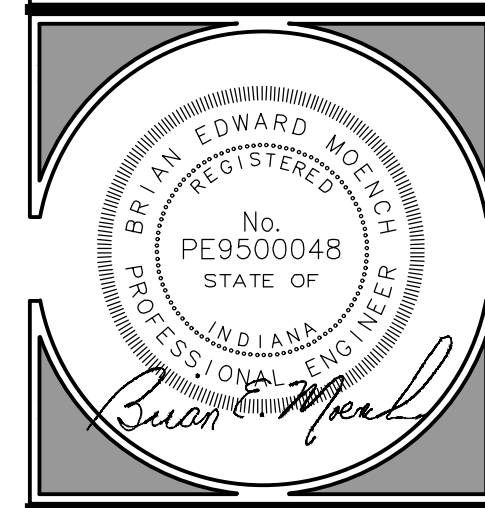
Metro Recycling and Transfer Building

603 N. Oakwood St.
 NORTH JUDSON, INDIANA 46366

BUILDING ELEVATIONS



NORTH ELEVATION
 1/8" = 1'-0"



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CHECKED BY:	BEM
PROJECT NUMBER:	15310
DATE:	09/23/16

SHEET NUMBER:
A302



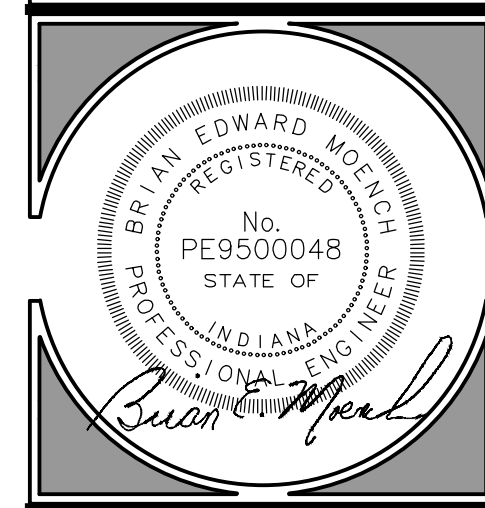
Moench Engineering
 3996 Clark Creek Road
 Suite #100
 Plainfield, Indiana 46168
 (317) 837-2767
 (317) 837-7266 (Fax)

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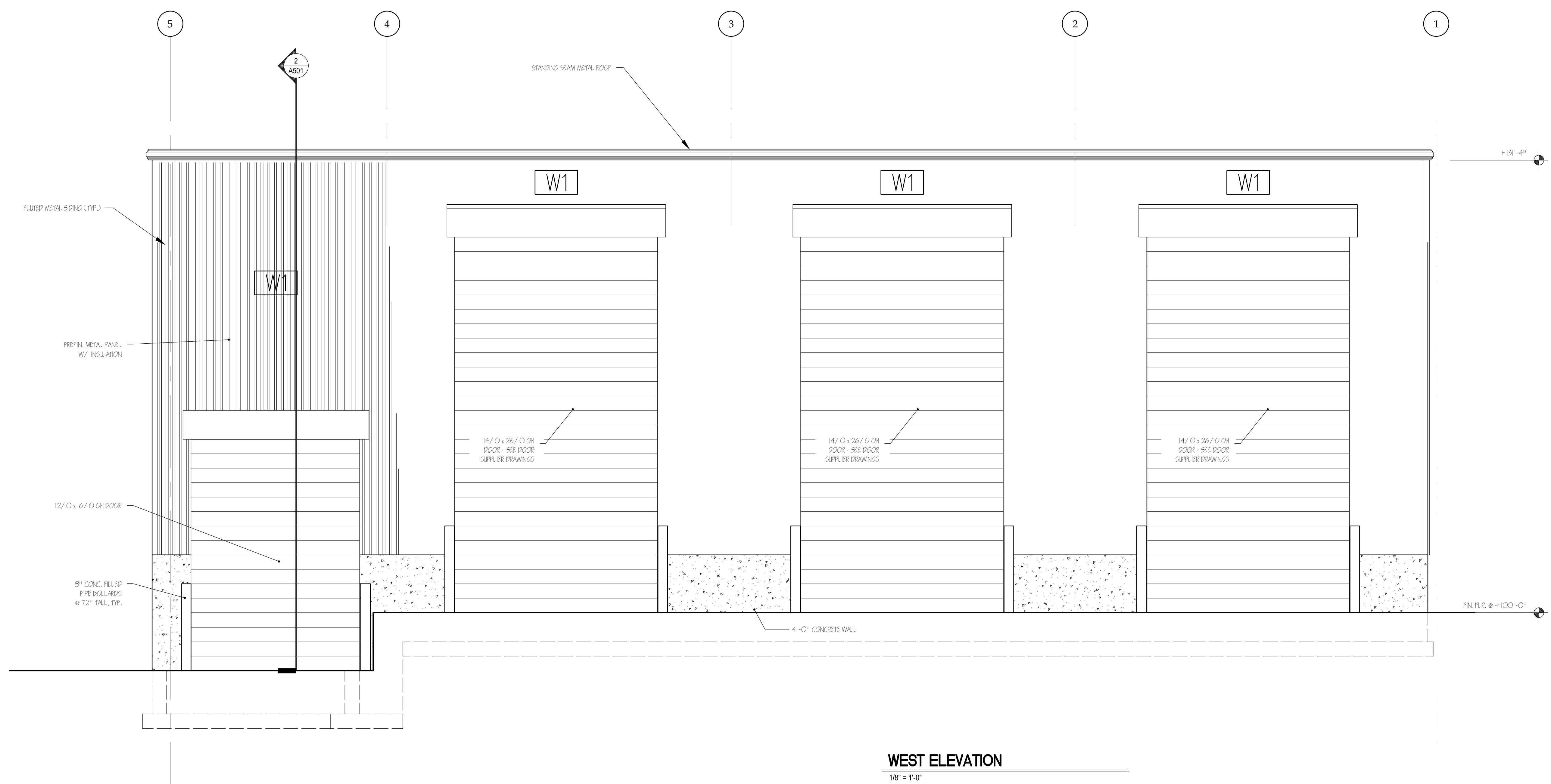
BUILDING ELEVATIONS



REVISIONS:		
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DRAWN BY: AEC
 CHECKED BY: BEM
 PROJECT NUMBER: 15310
 DATE: 09/23/16

SHEET NUMBER:
A303



WEST ELEVATION
 1/8" = 1'-0"



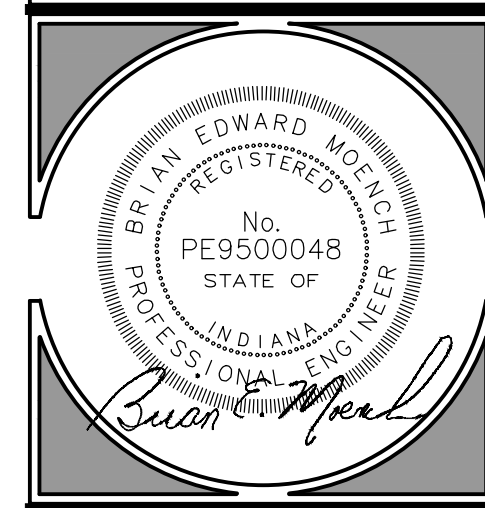
Moench Engineering
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 Suite #100
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Metro Recycling and Transfer Building

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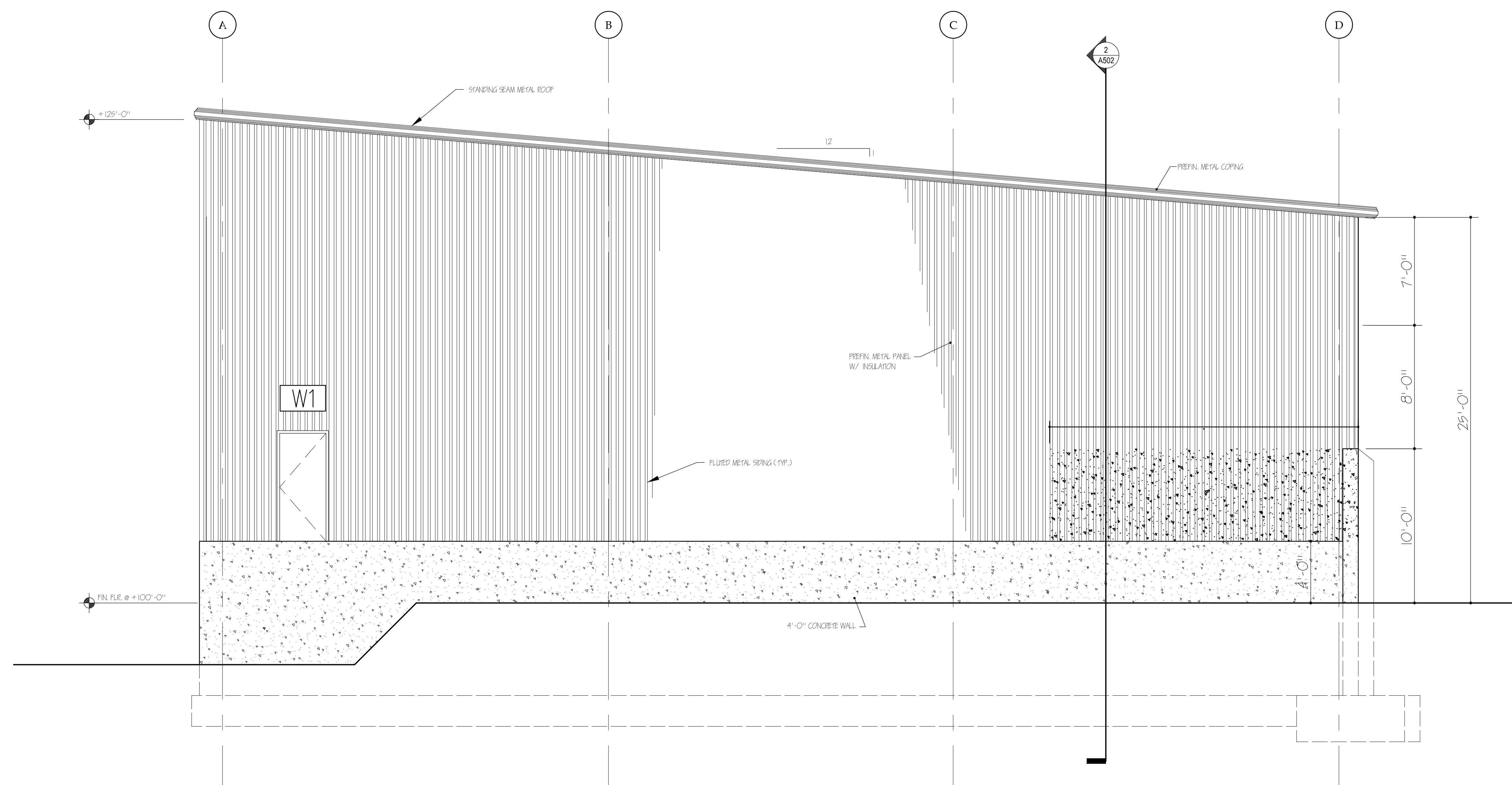
BUILDING ELEVATIONS



REVISIONS:		
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DRAWN BY:	AEC
CHECKED BY:	BEM
PROJECT NUMBER:	15310
DATE:	09/23/16
SHEET NUMBER:	

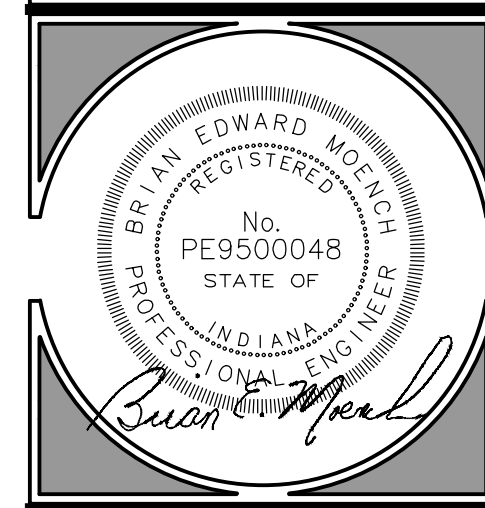
A304



SOUTH ELEVATION

1/4" = 1'-0"

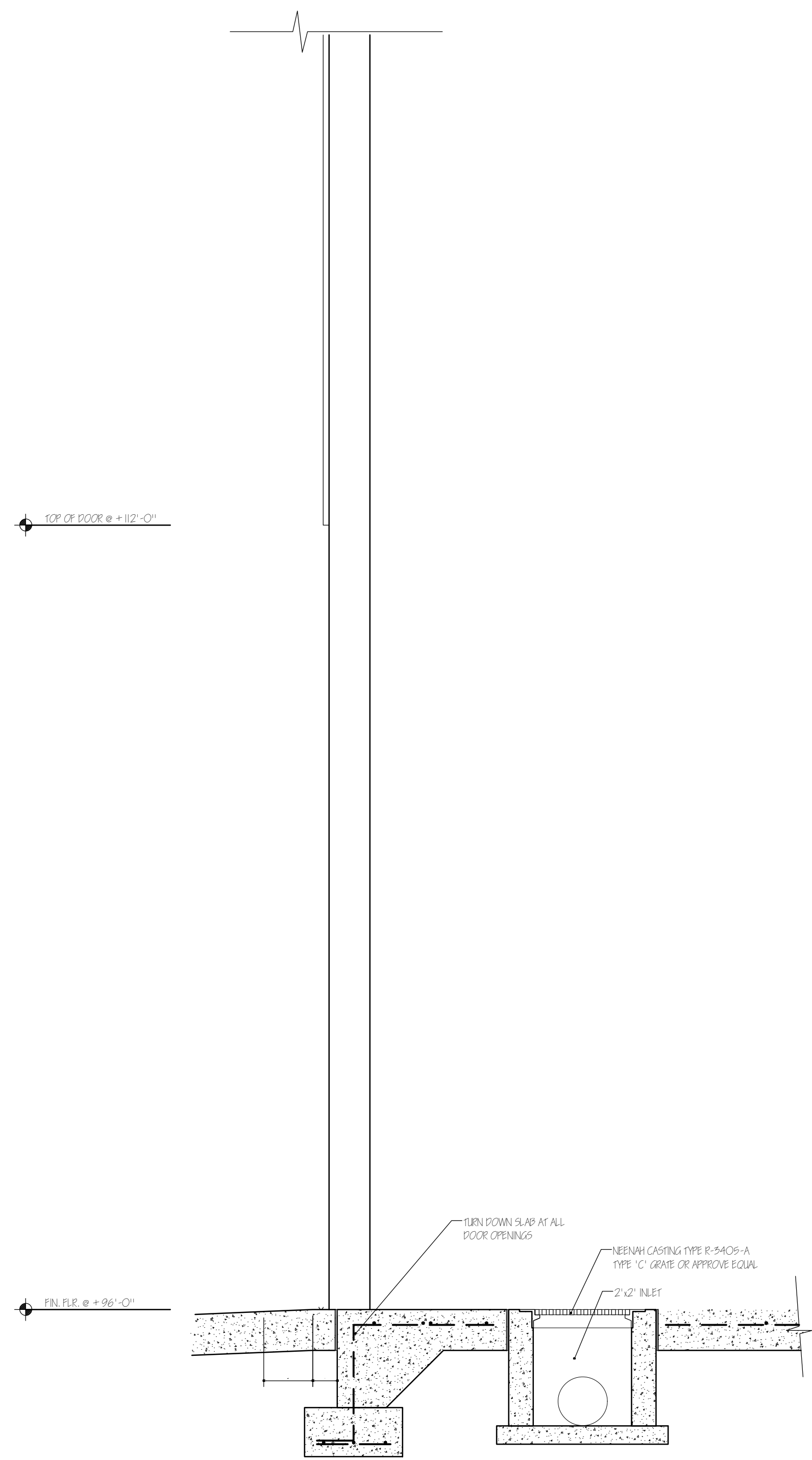
Metro Recycling and Transfer Building
 603 N. Oakwood St.
 NORTH JUDSON, INDIANA 46366
WALL SECTION



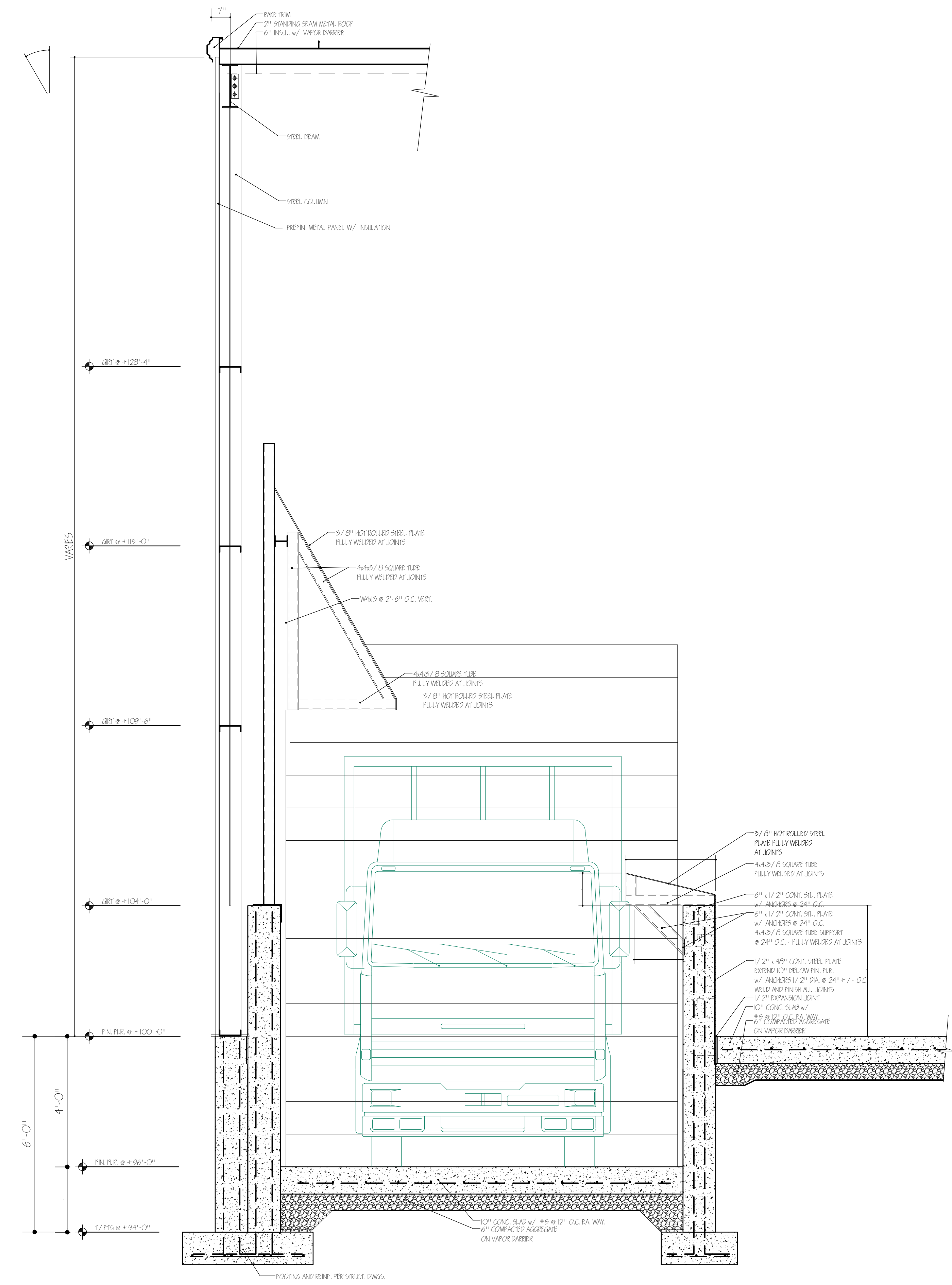
REVISIONS:		
0	ISSUED FOR IDEM	09/23/16

DRAWN BY: AEC
 CHECKED BY: BEM
 PROJECT NUMBER: 15310
 DATE: 09/23/16
 SHEET NUMBER:

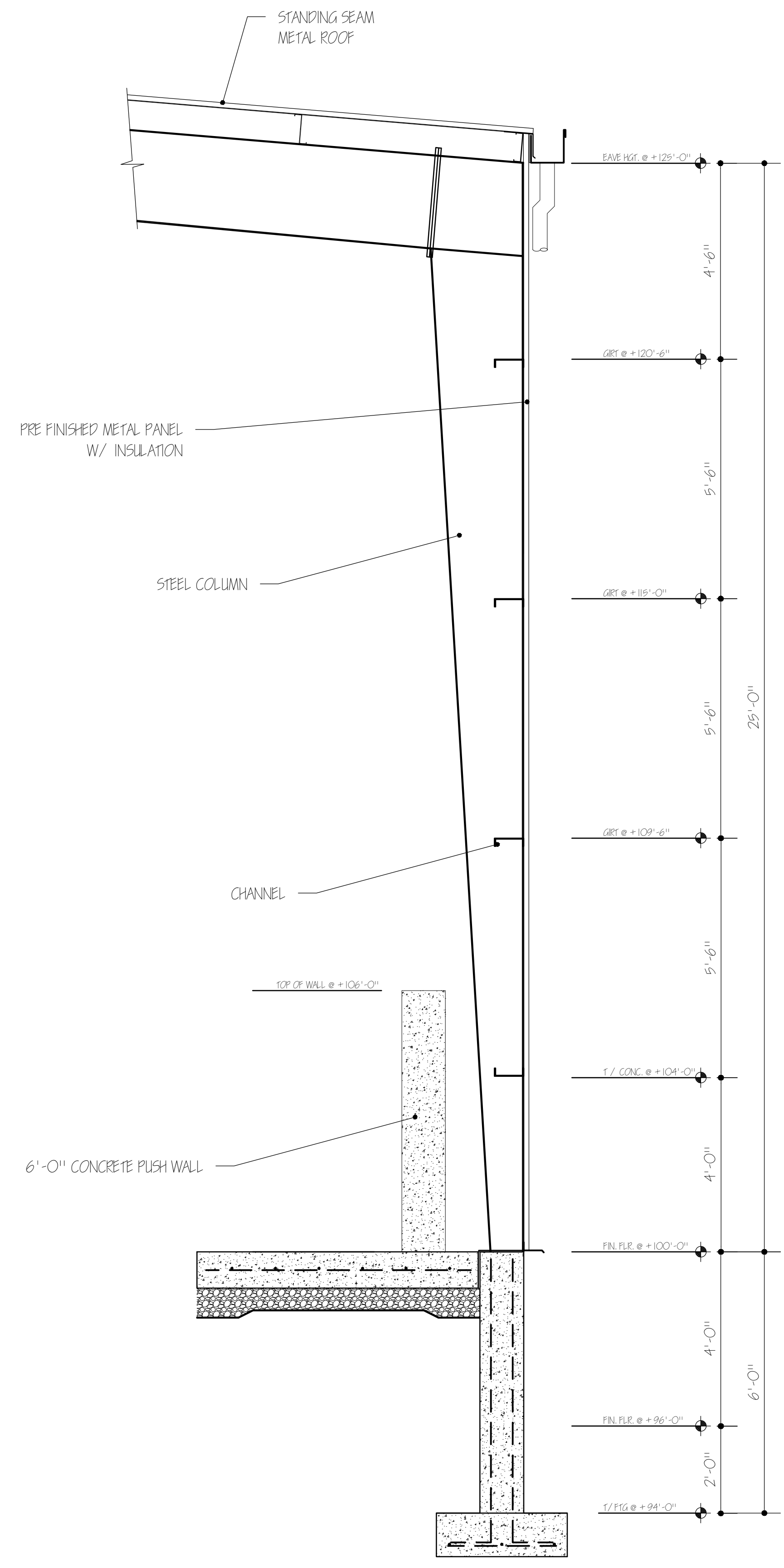
A501



WALL SECTION
 1/2" = 1'-0"
 1
 A501

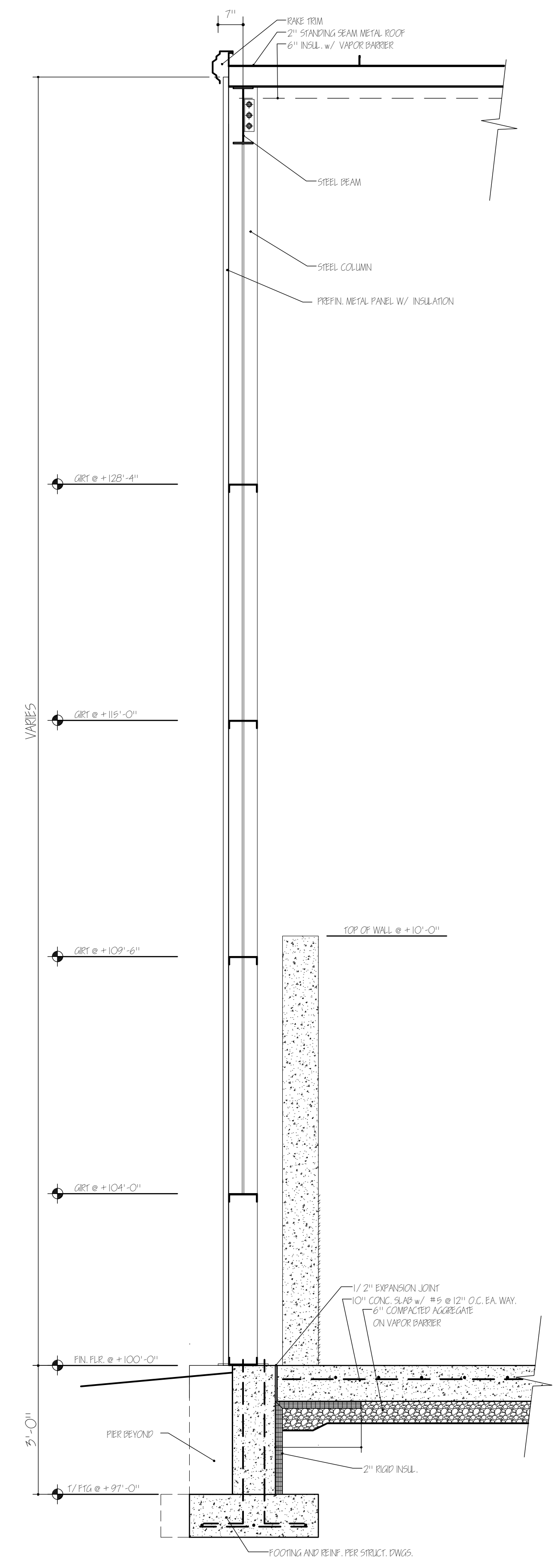


WALL SECTION
 1/2" = 1'-0"
 2
 A501



WALL SECTION
1/2" = 1'-0"

1
A502

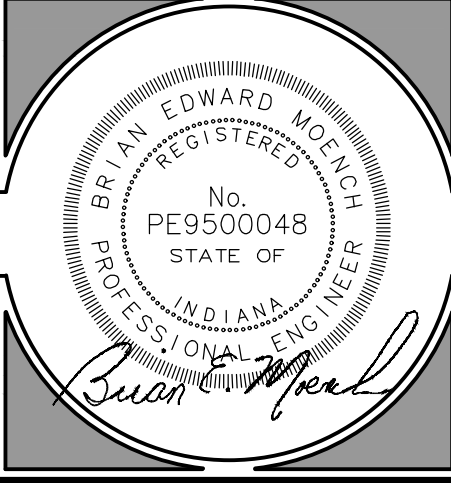


WALL SECTION
1/2" = 1'-0"

2
A502

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Metro Recycling and Transfer Building
603 N. Oakwood St.
NORTH JUDSON, INDIANA 46366
WALL SECTION



REVISIONS:

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DRAWN BY:	AEC
CHECKED BY:	BEM
PROJECT NUMBER:	15310
DATE:	09/23/16
SHEET NUMBER:	A502

GENERAL ELECTRICAL NOTES:

ALL WORK TO COMPLY TO ALL NATIONAL, STATE, & LOCAL CODES AND COMPLETED IN A NEAT & WORKMANLIKE MANNER.

ELECTRICAL CONTRACTOR TO WIRE ALL EQUIPMENT AND TO PROVIDE ALL LIGHTING, DISTRIBUTION EQUIPMENT, SWITCHES, AND RECEPTACLES.

ALL ELECTRICAL MATERIALS SHALL BE UNDERWRITERS LABORATORY (UL) LISTED FOR ITS INTENDED USE.

WIRING METHOD TO BE NM CABLE, MC CABLE, EMT CONDUIT, OR PLASTIC CONDUIT.

FEEDER CIRCUIT MAY BE ALUMINUM OR COPPER.

FEEDER CONDUCTORS SHALL HAVE A MAXIMUM VOLTAGE DROP OF 2 PERCENT.

ALL BRANCH CIRCUIT WIRE TO BE COPPER THW, THHN, OR THWN MIN. #12.

BRANCH CIRCUIT CONDUCTORS SHALL HAVE A MAXIMUM VOLTAGE DROP OF 3 PERCENT.

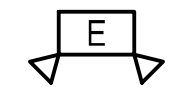
DUPLEX RECEPTACLES SHALL BE 15 AMP, 125 VOLT, NEMA 5-15R.

MAXIMUM 6 DUPLEX RECEPTACLES PER CIRCUIT UNLESS NOTED OTHERWISE.

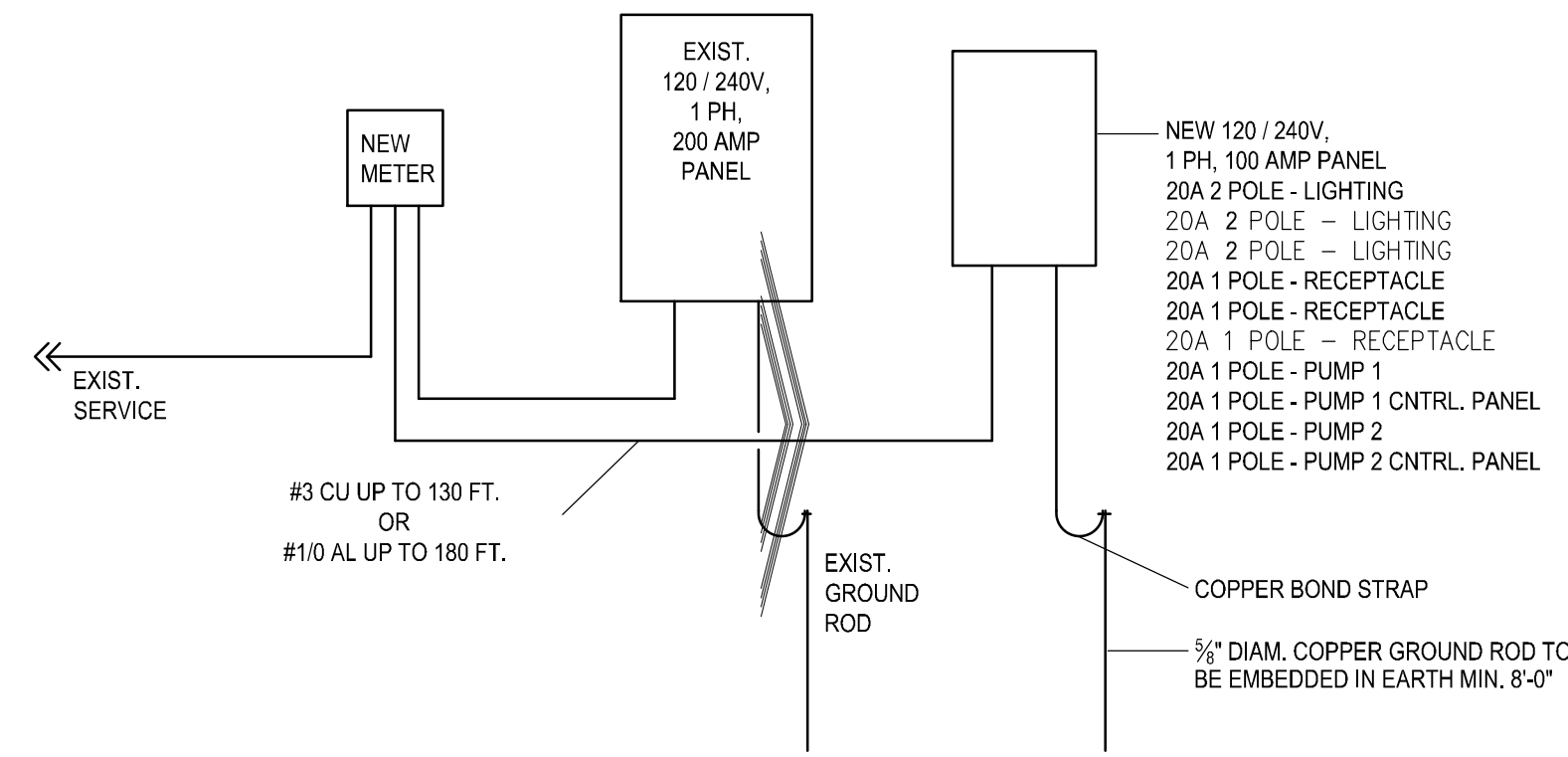
SINGLE POLE LIGHT SWITCHES SHALL BE 15 OR 20 AMP, 120-277 VAC.

PROVIDE WEATHERPROOF COVER PLATES FOR RECEPTACLES.

SUPPORT ALL LIGHT FIXTURES FROM STRUCTURE PER NEC.



EMERGENCY SIGN WITH DUAL LIGHT AND INTERNALLY ILLUMINATED SIGN AS PER SECTION 1011.4 OF THE INTERNATIONAL BUILDING CODE: Internally illuminated exit signs. Electrically powered, self-luminous and photoluminescent exit signs shall be listed and labeled in accordance with UL 924 and shall be installed in accordance with the manufacturer's instructions and Chapter 27. Exit signs shall be illuminated at all times.



ELECTRICAL RISER DIAGRAM
NO SCALE

LIGHTING LEGEND & FIXTURES
SWITCH, *48" U.N.O.

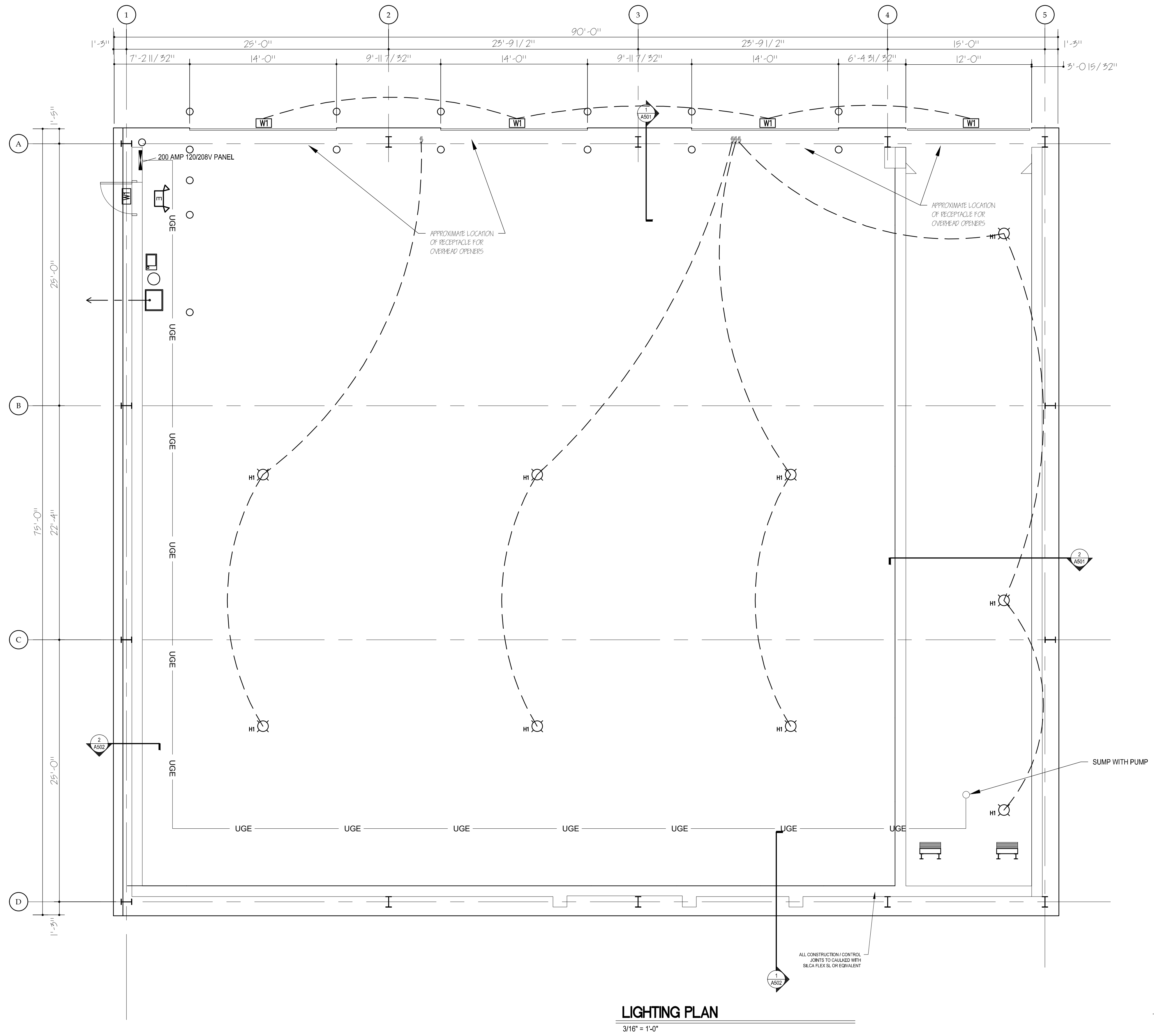
15A DUPLEX RECEPTACLE W/ HANDY BOX & COVER PLATE GROUND FAULT CIRCUIT INTERRUPT WET PROOF LOCATION.

LITHONIA #5H 400MP PA22 TVOLT PULSE START (OR EQUAL), HIGH BAY INDUSTRIAL H.I.D. LIGHT FIXTURE, STEEL HOUSING W/ POWDER COAT FINISH, ACRYLIC REFRACTOR, PULSE START BALLAST, (1) 400W PROTECTED METAL HALIDE LAMP, LIGHTS TO BE WIRED THROUGH PHOTOCCELL W/ BY-PASS SWITCH, MOUNT LIGHT FIXTURES BETWEEN TRUSSES W STANDARD HOOK & CORD, PROVIDE ADDITIONAL FRAMING BETWEEN TRUSSES AS REQUIRED, MOUNT SO BOTTOM OF FIXTURE IS EVEN WITH BOTTOM OF TRUSS.

W1 - 277V 400W MH WALL PACK
W2 - 277V 200W MH WALL PACK

ME-1 - 277V BATTERY POWERED EXIT WITH DUAL EMERGENCY LAMPS

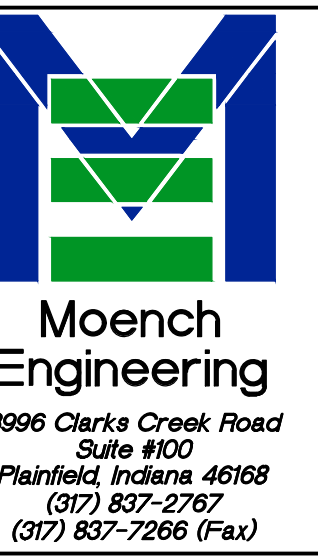
NEW PANEL
LPN1 - NEW 200 AMP 277 / 480V LIGHTING PANEL FED



LIGHTING PLAN
3/16" = 1'-0"



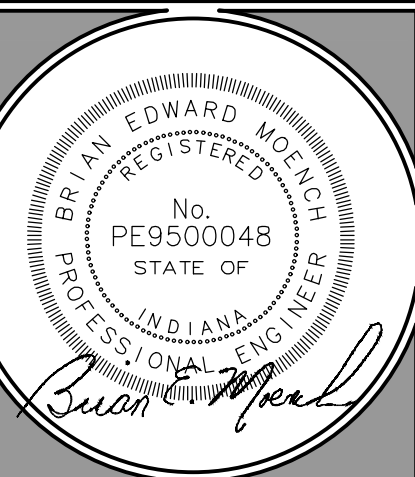
PLAN NORTH



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Metro Recycling and Transfer Building
603 N. Oakwood St.
NORTH JUDSON, INDIANA 46366

LIGHTING PLAN



REVISIONS:

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PROJECT NUMBER: 15310
DATE: 09/23/16
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E101

GENERAL PLAN NOTES:

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 - THE UNIFORM BUILDING CODE
 - THE B.O.C.A. PLUMBING CODE
 - THE NATIONAL FIRE PROTECTION ASSOCIATION CODES
 - THE AMERICANS WITH DISABILITIES ACT
- ALL INTERIOR FINISHES SHALL CONFORM WITH CHAPTER 8 OF THE UNIFORM BUILDING CODE.
- PROVIDE BLOCKING AS REQUIRED FOR ALL WALL HUNG OR SURFACE MOUNTED ITEMS SUCH AS MILLWORK, SHELVING, TOILET ACCESSORIES, ETC.
- CAULK ALL JUNCTURES BETWEEN DISSIMILAR MATERIALS.
- ALL CASEWORK, COUNTERTOPS, WALLS, CABINETS, ETC. SHOWN ON PLAN TO BE DETAILED AT A LATER DATE.
- SEE ELECTRICAL/MECHANICAL DRAWINGS FOR ELECTRICAL AND MECHANICAL WORK BY THOSE TRADES.
- ALL SINK FAUCET HANDLES SHALL BE 'LEVER-HANDLE' TYPE.
- ALL JOINTS TO BE CAULKED AND SEALED.
- RESTROOM(S) LOCATED ON-SITE IN THE OFFICE BUILDING.
- OCCUPANCY CLASSIFICATION: S
- CONSTRUCTION TYPE: TYPE VB

NOTE:
CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL REPORT AND DISCREPANCIES TO THE ARCHITECT.

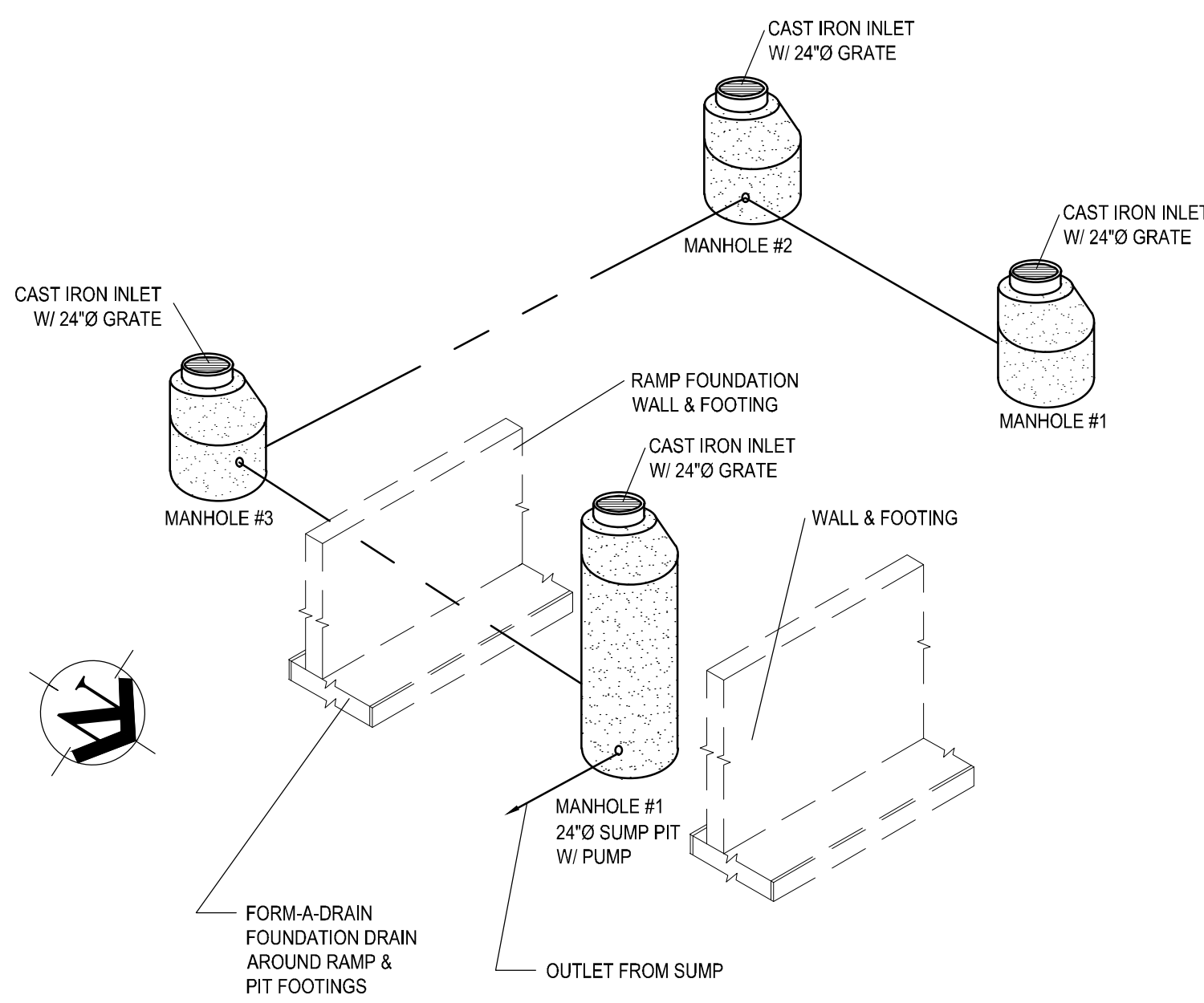
PLUMBING NOTES

ALL WORK TO COMPLY TO ALL NATIONAL, STATE, & LOCAL CODES AND COMPLETED IN A NEAT & WORKMANLIKE MANNER.

PLUMBING CONTRACTOR TO FURNISH MATERIAL & LABOR TO INSTALL ALL HOOKUPS TO STORM SEWER PIPING.

FLOOR DRAIN PIPING TO BE SCH. 40 PVC DWV ASTM D 2665 & D 1785. SCH. 40 PVC FITTINGS SHALL CONFORM TO ASTM D 2466. PIPE SHALL BE INSTALLED AT A MIN. SLOPE 1/4" PER FOOT. SOLVENT CEMENT JOINTS SHALL BE MADE IN A TWO STEP PROCESS WITH PRIMER MANUFACTURED FOR THERMOPLASTIC PIPING SYSTEMS AND SOLVENT CEMENT CONFORMING TO ASTM D 2564.

PIPING IN GROUND SHALL BE LAID ON A FIRM BED FOR ITS ENTIRE LENGTH AND PER ASTM F 1688. WHERE SUPPORT IS OTHERWISE PROVIDED, IT SHALL BE ACCEPTABLE TO THE ADMINISTRATIVE AUTHORITY.



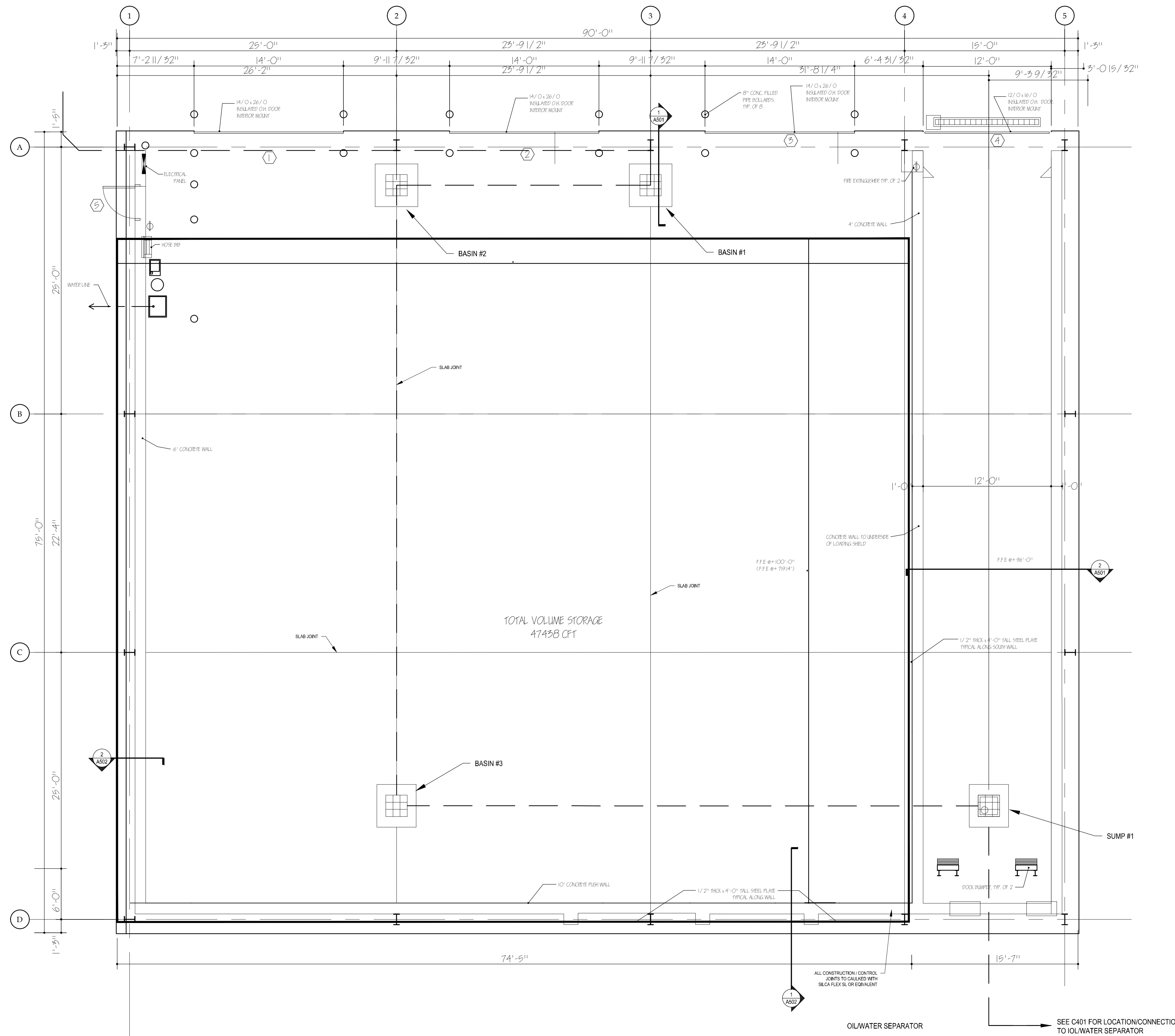
WASTE WATER DIAGRAM

NOT TO SCALE

PUMP SCHEDULE

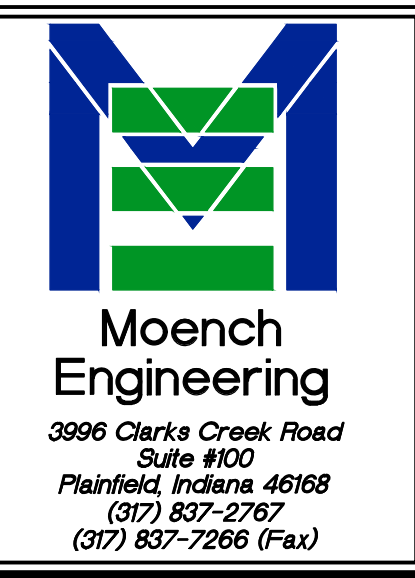
PUMP 1 - MEYERS WHRH-DS (OR EQUAL), DUAL-SEAL, 1/2 H.P., 115 VOLT, 1 PH., 10 AMPS, 80 G.P.M AT 9.58 FT. OF HEAD, PUMP ON AT 33" ABOVE PIT BOTTOM, PUMP OFF AT 15" ABOVE PIT BOTTOM, HIGH WATER ALARM AT 40" ABOVE PIT BOTTOM.

PUMP 2 - HONDA WSP50AA (OR EQUAL), SUBMERSIBLE STAINLESS STEEL



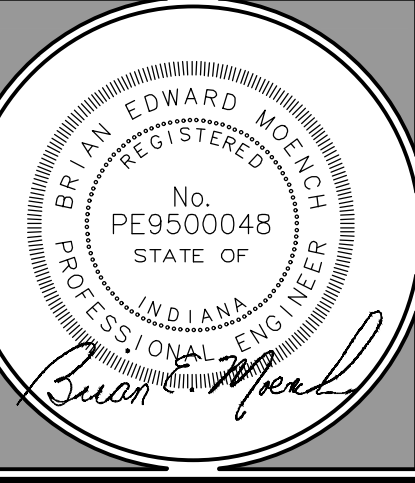
FLOOR PLAN

3/16" = 1'-0"



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Metro Recycling and Transfer Building
603 N. Oakwood St.
NORTH JUDSON, INDIANA 46366
PLUMBING PLAN



REVISIONS:

NO.	ISSUED FOR IDEM	DATE
0		09/23/16

DRAWN BY: AEC
CHECKED BY: BEM
PROJECT NUMBER: 15310
DATE: 09/23/16
SHEET NUMBER:

P101



Metro Recycling and Transfer 603 N. Oakwood St. North Judson, IN 46366

Owner:

Bluebird Investment, LLC
1501 E Main St
Griffith, Indiana 46319
Phone: (219) 922-1830

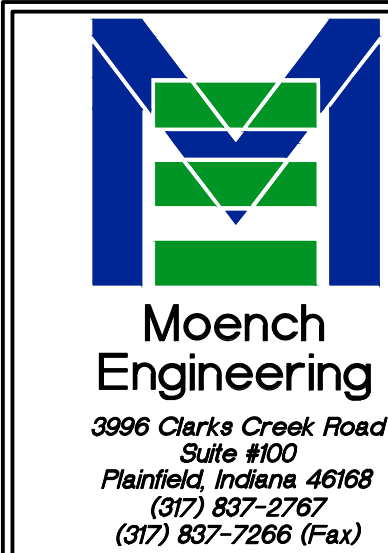
Civil Engineer:

Moench Engineering, P.C.
3996 Clarks Creek Road
Suite 100
Plainfield, Indiana 46168
Phone: (317) 837-2767
Fax: (317) 837-7266

Jurisdictional Contact:

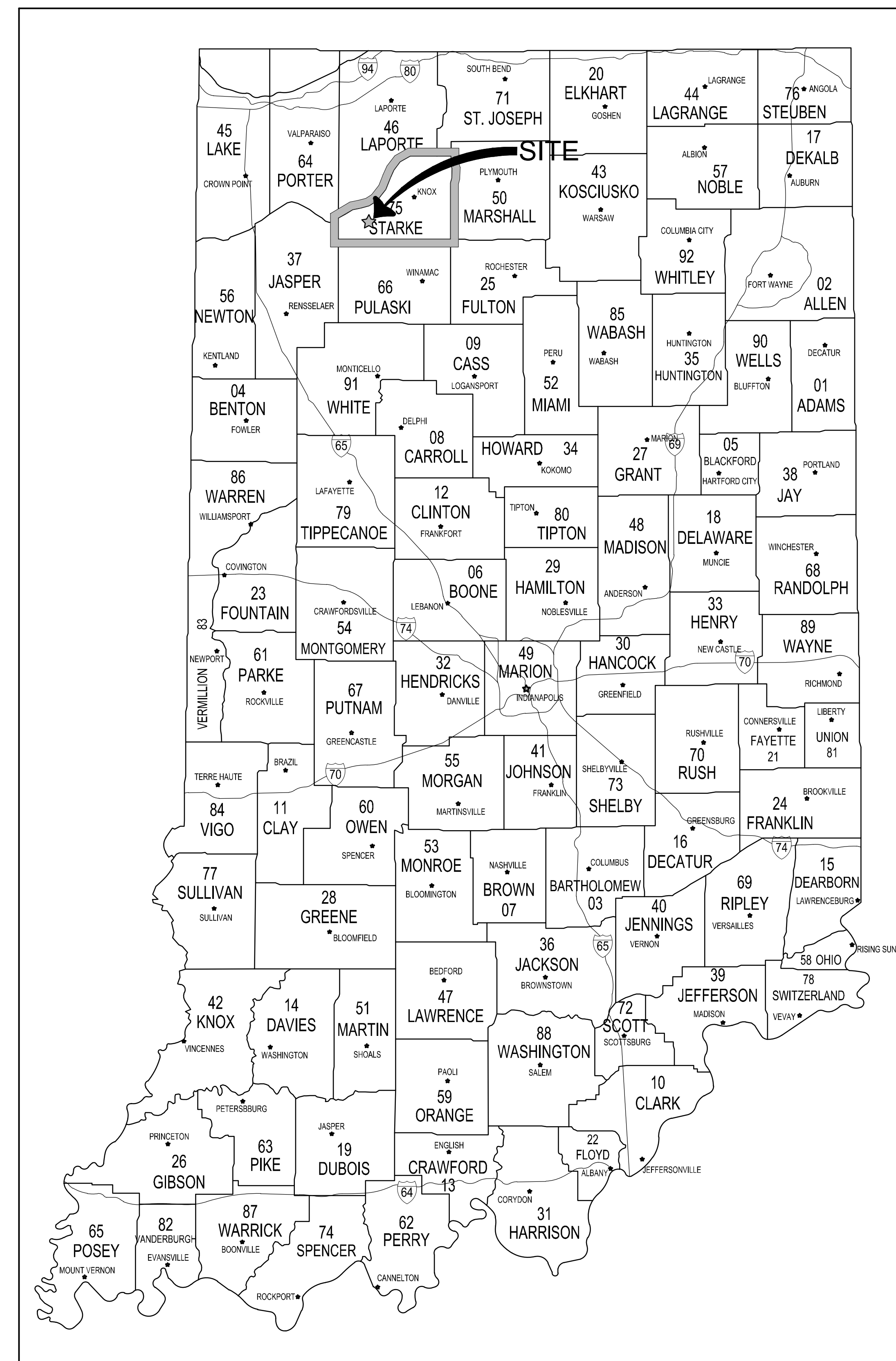
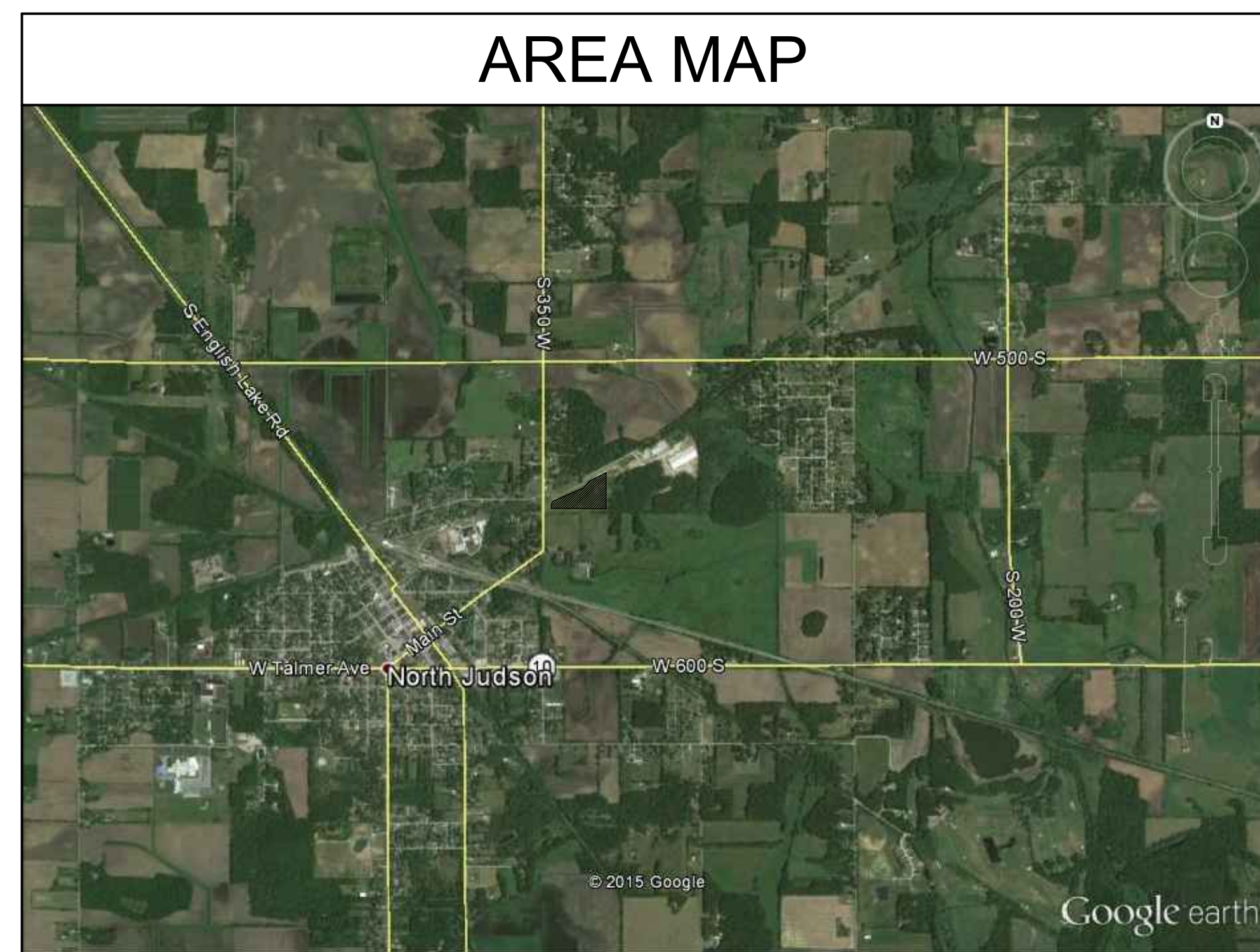
Starke County Planning Commission
53 E Mound Street
Knox, Indiana 46534
Phone: (574) 772-9133

Indiana Department of
Environmental Management
100 North Senate Avenue
Indianapolis, Indiana 46204



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SUBJECT SITE:
SITE LOCATED IN WAYNE TOWNSHIP
STARKE COUNTY, INDIANA
2176356.45 N, 3040758.27 E



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Metro Recycling and Transfer Building
603 N OAKWOOD ST
NORTH JUDSON, INDIANA 46366

COVER SHEET



REVISIONS:		
0	ISSUED FOR IDEM	09/23/16

DRAWN BY:	AEC
CHECKED BY:	BEM
PROJECT NUMBER:	15310
DATE:	09/23/16
SHEET NUMBER:	

C000

(SF)	= SILT FENCE
X	= BARN WIRE FENCE
○	= CHAIN LINK FENCE
— H	= WOOD FENCE
— W	= WATER LINE
— STRM	= STORM SEWER LINE
— SAN	= SANITARY SEWER LINE
— GAS	= GAS LINE
— UGE	= UNDERGROUND ELECTRIC LINE
— OHE	= OVERHEAD ELECTRIC LINE
— COMM	= COMMUNICATION LINE
— T	= TELEPHONE LINE
— TELE	= UNDERGROUND TELEPHONE LINE
— FO	= FIBER OPTIC LINE
— FW	= FIRE DEPARTMENT WATER SUPPLY
35' ESMT	= 35' EASEMENT LINE
30' ESMT	= 30' EASEMENT LINE
25' ESMT	= 25' EASEMENT LINE
20' ESMT	= 20' EASEMENT LINE
15' ESMT	= 15' EASEMENT LINE
10' ESMT	= 10' EASEMENT LINE
5' ESMT	= 5' EASEMENT LINE
ESMT	= EASEMENT LINE
○○○	= SWALE LINE
— — —	= EDGE OF WATER
35' SETBK	= 35' SETBACK LINE
30' SETBK	= 30' SETBACK LINE
25' SETBK	= 25' SETBACK LINE
20' SETBK	= 20' SETBACK LINE
15' SETBK	= 15' SETBACK LINE
10' SETBK	= 10' SETBACK LINE
5' SETBK	= 5' SETBACK LINE
SETBK	= SETBACK LINE
— ROW	= RIGHT-OF-WAY LINE
—	= PROPERTY BOUNDARY
UD	= SWALE UNDERDRAIN
CABLE	= CABLE TV LINE
FL>	= FLOW LINE

—	= STORM SEWER END SECTION
—	= SANITARY SEWER CLEANOUT
○ C.O.	= CLEANOUT
—	= MANHOLE
—	= CATCH BASIN
—	= CURB INLET
—	= FIRE HYDRANT
—	= PRESSURE RELIEF VALVE
—	= WATER VALVE
—	= WATER WELL
—	= GAS VALVE
—	= LIGHT POLE
—	= UTILITY POLE
ORF	= PROPERTY CORNER
IRF	= IRON ROD FOUND
RBF	= REBAR FOUND
△	= SURVEY POINT (SECTION CORNER)
BM	= BENCHMARK
◆	= SOIL BORING
741.25	= NEW GRADE ELEVATION
x 741.25	= EXISTING GRADE ELEVATION
—	= STRAW BALE DAM
—	= ROCK DAM
—	= SIGN
STOP	= STOP SIGN
HANDICAP SIGN	= HANDICAP SIGN
ENTER ONLY	= ENTER ONLY SIGN
EXIT ONLY	= EXIT ONLY SIGN
DO NOT ENTER	= DO NOT ENTER SIGN
—	= EVERGREEN TREE
—	= UTILITY POLE
—	= DECIDUOUS TREE
—	= BUSH
—	= TEMPORARY CONSTRUCTION ENTRANCE
—	= GRASS PERMANENT SEEDING
—	= EROSION CONTROL BLANKET ON ALL SLOPES 3:1 OR GREATER

PROTECTION AND DEMOLITION NOTES:

TREE REMOVAL AND PROTECTION:

- TREES SHALL BE REMOVED FROM THE PROJECT ONLY WHERE THE AREA IS TO BE OCCUPIED BY ROAD, SURFACED AREAS, OR DRAINAGE SWALES.
- TREES SHALL BE REMOVED FROM THE PROJECT SITE WHERE THEY INTERFERE DIRECTLY WITH THE PLACEMENT OF STORM OR SANITARY SEWERS AND THAT SUCH EXCAVATION WILL BE FATAL TO TREES.
- THE CONTRACTOR SHALL ENDEAVOR TO SAVE AND PROTECT TREES OF VALUE AND WORTH WHICH DO NOT IMPAIR CONSTRUCTION OF IMPROVEMENTS AS DESIGNATED. IN THE EVENT CUT OR RILT EXCEEDS 0.5 FEET OVER THE ROOT AREA, THE DEVELOPER SHALL BE CONSULTED WITH RESPECT TO PROTECTIVE MEASURES TO BE TAKEN, IF ANY, TO PRESERVE SUCH TREES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE METHOD FOR PROTECTION OF TOPS, TRUNKS AND ROOTS OF EXISTING TREES ON THE PROJECT SITE THAT ARE TO REMAIN. EXISTING TREES SUBJECT TO CONSTRUCTION DAMAGE SHALL BE BOXED, FENCED OR OTHER MATERIAL AND EQUIPMENT SHALL NOT BE STOCKPILED OR STORED WITHIN THE SPREAD OF BRANCHES. BRANCHES WHICH NEED TO BE REMOVED OR ARE BROKEN SHALL BE NEATLY TRIMMED AND SCARS SHALL BE COVERED WITH TREE PAINT.

DEMOLITION:

- ALL MATERIAL AS A RESULT OF THE GENERAL DEMOLITION SHALL BE THE PROPERTY OF THE CONTRACTOR. THE CONTRACTOR'S LUMP SUM BID PRICE FOR THE DEMOLITION SHALL TAKE INTO ACCOUNT THE SALVAGEABLE VALUE OF MATERIALS AND SAID BID PRICE SHALL REFLECT SAID DRAWINGS.
- THE CONTRACTOR SHALL OBTAIN FROM ALL APPLICABLE GOVERNMENT AUTHORITIES NECESSARY PERMITS REQUIRED. A COPY OF SUCH PERMITS TO BE FURNISHED TO THE OWNER PRIOR TO COMMENCEMENT OF ANY WORK HEREIN.

CLEARING AND GRUBBING:

- CLEARING AND GRUBBING SHALL CONSIST OF CUTTING, REMOVING AND SATISFACTORY DISPOSING OF ALL TREES, BRUSH, PROJECTING ROOTS, STUMPS, RUBBISH, BROKEN PAVEMENT, BROKEN CONCRETE, FENCING AS DESIGNATED AND OTHER MATERIALS ON THE PROJECT SITE AND WITHIN THE BOUNDARY AS SHOWN ON THE CONSTRUCTION DOCUMENTS AND / OR DESIGNATED BY THE CONSTRUCTION LIMITS.
- ALL "UNSATURABLE MATERIAL" FROM CLEARING OPERATIONS SHALL BE REMOVED TO DISPOSAL AREAS AS DIRECTED BY GENERAL CONTRACTOR.

STRIPPING OF TOPSOIL:

- THE CONTRACTOR SHALL VERIFY THAT ALL TOPSOIL HAS BEEN REMOVED IN THE AREAS TO BE OCCUPIED BY ROADS, WALKS AND DESIGNATED BUILDING AREAS. TOPSOIL SHALL BE REMOVED TO A DEPTH OF SIX (6) INCHES OR DEEPER, IF NECESSARY, TO REMOVE ORGANIC MATTER WHERE REQUIRED.
- TOPSOIL SHALL BE KEPT SEPARATED FROM SUITABLE FILL MATERIALS AND SHALL NOT BE USED AS FILL UNDER PAVEMENT, BUILDINGS AREAS AND / OR FUTURE STRUCTURAL AREAS.
- TOPSOIL SHALL BE STORED AT A LOCATION WHERE IT DOES NOT INTERFERE WITH CONSTRUCTION OPERATIONS AS DIRECTED BY THE GENERAL CONTRACTOR.
- TOPSOIL SHALL BE REASONABLY FREE FROM SUBSOIL DEBRIS AND STONES.

SITE NOTES:

GENERAL NOTES:

- REFER TO THE STATE DEPARTMENT OF TRANSPORTATION (DOT) STANDARD SPECIFICATIONS, LATEST EDITION FOR BASIC MATERIALS AND CONSTRUCTION METHODS. THE SECTIONS BELOW FOR VARIOUS ITEMS ARE TO CLARIFY THE INTENT OF THE REQUIREMENTS FOR THIS PROJECT. PLEASE NOTE THAT OTHER SECTIONS OF THE DOT STANDARD SPECIFICATIONS MAY ALSO BE APPLICABLE.
- ALL RADII SHALL BE 5 FOOT UNLESS NOTED OTHERWISE ON PLANS.
- CONTRACTOR TO VERIFY EXACT LOCATION AND INVERT OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.
- STORM SEWER PIPE OF OTHER MATERIAL OR MATERIAL NOT MEETING THESE SPECIFICATIONS SHALL REQUIRE THE PRIOR WRITTEN APPROVAL OF THE ENGINEER.
- THE CONTRACTOR SHALL SUBMIT INFORMATION TO THE APPROPRIATE JURISDICTIONAL CONTACT SHOWING CONFORMANCE WITH THESE SPECIFICATIONS UPON REQUEST.

PAVEMENT CONSTRUCTION:

- PAVEMENT COMPOSITION NOTES ON DETAIL IS THE MINIMUM REQUIREMENT FOR STREETS WITH A GOOD SUB-GRADE SOIL CLASSIFICATION.
- PREPARE THE SUBGRADE IN ACCORDANCE WITH DOT SPECIFICATIONS, LATEST EDITION. NO TRAFFIC SHALL BE PERMITTED ON THE PREPARED SUBGRADE PRIOR TO PAVING. THE SUB-GRADE MUST BE PROOF ROLLED BY THE CONTRACTOR USING AT LEAST A FULLY LOADED TANDEM TRUCK.
- BUTTIMOUS PAVEMENT IN ACCORDANCE WITH DOT SPECIFICATIONS, LATEST EDITION.
- FINISHING EARTH GRADED SHOULDERS, DITCHES AND SLOPES IN ACCORDANCE WITH DOT SPECIFICATIONS, LATEST EDITION.

CONCRETE PAVEMENT AND WALKS:

- SEE DETAIL FOR TYPE AND DETAILS.
- CONCRETE SHALL BE READY MIXED PORTLAND CEMENT AND WATER CONFORMING TO ASTM C-150. AGGREGATES SHALL CONFORM TO ASTM C-33 COMPRESSIVE STRENGTH OF CONCRETE AT 28 DAYS SHALL BE 4000 P.S.I. WHERE REQUIRED, REINFORCEMENT SHALL BE WELDED STEEL WIRE FABRIC CONFORMING TO ASTM A-185.
- ALL EXTERIOR CONCRETE SHALL CONTAIN 6 ± 1% AIR ENTRAINMENT.

APPLICATION:

- PLACE CONCRETE ONLY ON A MOIST, COMPACT SUBGRADE OR BASE FREE FROM LOOSE MATERIAL. PLACE NO CONCRETE ON MUDGY OR FROZEN SUBGRADE IN ACCORDANCE WITH DOT SPECIFICATIONS, LATEST EDITION.
- CONCRETE SHALL BE DEPOSITED SO AS TO REQUIRE AS LITTLE REHANDLING AS PRACTICAL. WHEN CONCRETE IS TO BE PLACED AT AN ATMOSPHERIC TEMPERATURE OF 35 DEGREES OR LESS, THE DOT SPECIFICATIONS SHALL BE CONSULTED.

PARKING LOT STRIPING:

- PAINT MATERIAL SHALL COMPLY WITH FEDERAL SPECIFICATIONS FOR TRAFFIC PAINT WITHOUT GLASS SPHERES IN ADDITION TO ANY SPECIFICATIONS FROM THE GOVERNING JURISDICTION. (COLOR BY OWNER SELECTION).
- SUBCONTRACTOR TO PERFORM ALL FIELD LAYOUT WORK NECESSARY TO ACHIEVE STRAIGHT AND TRUE LINES. ASPHALT MUST BE CLEANED WITH POWER BROOM AND HAND BROOM TO REMOVE LOOSE MATERIAL BEFORE STRIPING. THE SUBCONTRACTOR IS TO PROVIDE BARRIERS TO PREVENT MARRING OF LINES BY VEHICLES UNTIL PAINT HAS DRIED. STRIPING PAINT SHALL BE APPLIED AT THE MINIMUM RATE OF ONE GALLON PER 100 SQUARE FEET OF PAINT (BASED ON 39% SOLIDS) AT A WIDTH OF FOUR INCHES.

STREET PAVEMENT NOTES:

- TEMPERATURE SHALL BE 32°F AND RISING FOR BASE MATERIAL AND 45°F AND RISING FOR TOP COURSE MATERIAL.
- NO ASPHALT SHALL BE INSTALLED ON FROZEN OR WET SUBSURFACE.
- STREET CUT REPAIRS SHALL USE 100 PSI QUICK SET FLOWABLE FILL TO WITHIN 6" OF PAVEMENT SURFACE. INSTALL 5" OF 4000 PSI READY MIX CONCRETE WITHIN 1" OF PAVEMENT WITHIN 24 HOURS AFTER FLOWABLE FILL HAS BEEN INSTALLED. INSTALL 1" OF #1 SURFACE ASPHALT LEVEL WITH EXISTING PAVEMENT WITHIN 24 HOURS OF CONCRETE BEING INSTALLED. CONDITIONS WHICH MAY WARRANT #8 STONE SUBSTITUTE INCLUDE: TIME OF DAY, COLD MIX MUST BE MAINTAINED AS A SMOOTH SURFACE UNTIL PERMANENT PATCH IS COMPLETE. NO STONE SUBSTITUTE WILL BE ALLOWED FOR COLLECTOR STREETS.
- FLOWABLE FILL SHALL BE USED FOR BACKFILLING ALL EXCAVATIONS THAT REQUIRE CUT THROUGH EXISTING PAVEMENT. FLOWABLE FILL SHALL BE A MIXTURE OF SAND, PORTLAND CEMENT AND WATER, THOROUGHLY MIXED, AND SHALL HAVE A 100 PSI COMPRESSIVE STRENGTH WITHIN 3 HOURS OF PLACEMENT. FLOWABLE FILL SHALL BE PLACED FROM TOP OF #8 STONE COVER FOR PIPE TO BOTTOM OF NEW PAVEMENT.

HANDICAP RAMP CONSTRUCTION NOTES:

- ALL HANDICAP RAMPS SHALL MEET THE REQUIREMENTS OF THE AMERICAN DISABILITIES ACT, THE MOST RECENT DOT STANDARD SPECIFICATIONS AND THE GOVERNING JURISDICTIONS MOST RECENT STANDARDS. CURB SWIPES REQUIRED FOR HANDICAP RAMPS SHALL BE PROVIDED AT TIME OF INITIAL CONSTRUCTION.
- MINIMUM WIDTH OF CURB RAMP SHALL BE 4 FEET NOT INCLUDING FLARES. MAXIMUM SLOPE OF RAMPS SHALL BE 1:2.
- HANDICAP RAMPS ARE TO BE LOCATED AS SHOWN ON PLANS.
- RAMPS SHALL BE PROVIDED AT THE CENTERLINE OR RADIUS AT ALL CORNERS OF EVERY STREET INTERSECTION WHERE THERE IS AN EXISTING OR PROPOSED SIDEWALK AND CURB. IN CASE OF "T" INTERSECTION, A RAMP SHALL BE PROVIDED ADJACENT TO EACH CORNER RAMP. RAMPS ALSO SHALL BE PROVIDED AT WALK LOCATIONS AT MID-BLOCK IN VICINITY OF HOSPITALS, MEDICAL CENTERS OR ATHLETIC STADIUMS. THE USE OF DETAILS CONTRARY TO THOSE SHOWN HEREIN SHALL REQUIRE THE PRIOR WRITTEN APPROVAL OF THE GOVERNING JURISDICTION.
- SURFACE TEXTURE OF THE RAMP SHALL BE THAT OBTAINED BY A COARSE BROOMING TRANSVERSE TO THE SLOPE OF THE RAMP.
- RAMPS SHALL BE PROVIDED WHERE THE DRIVEWAY CURB EXTENDS ACROSS THE SIDEWALK.
- CARE SHALL BE TAKEN TO ASSURE A UNIFORM GRADE ON ALL RAMPS WITH NO BREAKS IN GRADE.
- DRAINAGE STRUCTURES SHALL NOT BE PLACED IN LINE WITH THE RAMPS EXCEPT WHERE EXISTING DRAINAGE STRUCTURES ARE BEING UTILIZED IN THE NEW CONSTRUCTION. LOCATION OF THE RAMPS SHALL TAKE PRECEDENCE OVER LOCATION OF DRAINAGE STRUCTURES.
- THE NORMAL GUTTER LINE PROFILE SHALL BE MAINTAINED THROUGHOUT THE AREA OF THE RAMP.
- EXPANSION JOINTS FOR THE RAMP SHALL BE A MAXIMUM 1/2" WIDE. THE TOP OF THE JOINT FILLER FOR ALL RAMP TYPES SHALL BE FLUSH WITH THE ADJACENT CONCRETE.
- CROSSWALK AND STOP LINE MARKING, IF USED, SHALL BE LOCATED TO STOP TRAFFIC SHORT OF ALL RAMP CROSSINGS.
- SLOPE OF RAMP MAY BE WARPED WHEN FILED CONDITIONS WARRANT AND WHEN APPROVED BY THE GOVERNING JURISDICTION.

GRADING NOTES:

GENERAL GRADE NOTES:

- REFER TO THE STATE DEPARTMENT OF TRANSPORTATION (DOT) STANDARD SPECIFICATIONS, LATEST EDITION FOR BASIC MATERIALS AND CONSTRUCTION METHODS. THE SECTIONS BELOW FOR VARIOUS ITEMS ARE TO CLARIFY THE INTENT OF THE REQUIREMENTS FOR THIS PROJECT. PLEASE NOTE THAT OTHER SECTIONS OF THE DOT STANDARD SPECIFICATIONS MAY ALSO BE APPLICABLE.
- FILL MATERIAL SHALL CONSIST OF EARTH OBTAINED FROM CUT AREAS, BORROW PITS OR OTHER APPROVED SOURCES. EARTH SHALL BE FREE FROM ORGANIC MATTER AND OTHER DELETERIOUS SUBSTANCES AND LARGE ROCKS. THE FILL MATERIAL SHALL BE PLACED IN LAYERS NOT TO EXCEED SIX INCHES FOLLOWING COMPACTION. PROPER MOISTURE CONTENT OF FILL MATERIAL WILL BE SUCH TO ACHIEVE SPECIFIED COMPACTION DENSITY. ALL FILL BENEATH PAVED AREAS, FLOOR SLABS AND FUTURE BUILDINGS SHALL BE COMPACTED TO AT LEAST 95% OF THE MAXIMUM DRY DENSITY PER ASTM 1557. FIELD COMPACTING TEST SHALL BE RUN ON EACH LIFT, IN FILL SECTIONS, AND THE REQUIRED COMPACTION ON EACH LIFT SHALL BE IN ACCORDANCE WITH DOT SPECIFICATIONS, LATEST EDITION.
- MAXIMUM LAWN SLOPE IS 3:1.
- THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES TO LOCATE MAINS, CONDUTS, SERVICE LINES, ETC. IN THE AFFECTED CONSTRUCTION AREA EXISTING UTILITY STRUCTURES ARE SHOWN HEREIN IN ACCORDANCE WITH AVAILABLE INFORMATION. THE LOCATION AND PROTECTION OF UTILITY STRUCTURES, THEIR SUPPORT AND MAINTENANCE DURING CONSTRUCTION IN COOPERATION WITH APPLICABLE UTILITY COMPANY IS THE EXPRESSED RESPONSIBILITY OF THE CONTRACTOR.
- ALL SPOT ELEVATIONS ARE TO FINISHED GRADE.
- ALL EXISTING MANHOLE CASTINGS TO BE ADJUSTED TO FINISH GRADE.
- COMPACT "B" BORROW BACK FILL REOD. OVER ALL UTILITIES IN PAVED AREAS.

REINFORCED CONCRETE PIPE:

- REINFORCED CONCRETE PIPE SHALL BE CLASS III, IV OR V AS SPECIFIED IN ASTM C-76.
- REINFORCED ELLIPTICAL CONCRETE PIPE SHALL BE CLASS HE-III OR HE-IV AS SPECIFIED IN ASTM C-567.
- LIFT HOLES ARE NOT ALLOWED FOR PIPE LESS THAN 24 INCHES IN DIAMETER. A MAXIMUM OF TWO LIFT HOLES ARE ALLOWED FOR PIPE 24 INCHES IN DIAMETER OR LARGER. LIFT HOLES SHALL BE REPAIRED ACCORDING TO MOST RECENT DOT STANDARD SPECIFICATIONS.
- FITTINGS AND SPECIALTIES SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS FOR THE TYPE OF PIPE BEING USED.
- EACH PIPE SECTION SHALL BE MARKED WITH DATE OF MANUFACTURE, SIZE AND CLASS OF PIPE, SPECIFICATION DESIGNATION, MANUFACTURER AND PLANT IDENTIFICATION.
- PIPE SHALL BE FURNISHED WITH A BELL OR GROOVE ON ONE END OF A UNIT OF PIPE AND A SPIGOT OR TONGUE ON THE ADJACENT END OF THE ADJOINING PIPE. ALL JOINTS SHALL HAVE A GROOVE OR THE SPIGOT FOR PLACEMENT OF A RUBBER "O-RING" OR PROFILE GASKET IN ACCORDANCE WITH ASTM C443-05A. THE GASKET SHALL BE A CONTINUOUS RING WHICH FITS SNUGLY INTO THE ANNULAR SPACE BETWEEN THE OVERLAPPING SURFACES OF THE ASSEMBLED PIPE JOINT.

AQUA-SWIRL SPECIFICATION NOTES

- MANUFACTURER SHALL BE RESPONSIBLE FOR COMPLETE ASSEMBLY OF SWIRL CONCENTRATOR.
- SWIRL CONCENTRATOR SHALL BE FABRICATED FROM HIGH-DENSITY POLYETHYLENE (HDPE) ASTM F 774 CELL CLASS 3456/46C PER ASTM D 3350. THE SWIRL CONCENTRATOR WALL (GREATER THAN 54" OD) SHALL BE FABRICATED FROM PROFILE WALL HDPE ASTM F 894 RSC 250.
- HOPE STUB OUTS AND INTERNAL COMPONENTS SHALL BE EXTRUSION WELDED USING ACCEPTED WELDING PRACTICES. STUB OUTS SHALL BE SUPPLIED BY MANUFACTURER AND WELDED ON INSIDE AND OUTSIDE.
- IF LIFTING EYES DISTURB GRADE ELEVATION (RIM) OR CONCRETE PAD REBAR ALIGNMENT, THEY MAY BE CUT IN FIELD AFTER INSTALLATION OF SWIRL CONCENTRATOR BY CONTRACTOR.
- MANUFACTURER SHALL SUPPLY DIRECT ACCESS TO SWIRL CONCENTRATOR VIA 32-INCH OD RISER(S), WHICH CAN BE FIELD CUT TO MATCH FINISHED GRADE BY CONTRACTOR.
- CONTRACTOR SHALL SUPPLY PIPE COUPLINGS TO AND FROM SWIRL CONCENTRATOR, WHICH SHALL BE FERROD OR MISSION STYLE NEOPRENE BOOT WITH STAINLESS STEEL TENSION BANDS AND SHEAR GUARD.

FOR CORRUGATED PLASTIC PIPE, OR PIPE WITH A DIAMETER OF 24" OR LARGER, IT IS RECOMMENDED THAT CONTRACTOR USE A MAR MAC COUPLING (I) OR EQUAL WITH ADHESIVE MASTIC AND TIGHTENING BANDS TO CREATE A WATER-TIGHT SEAL AROUND THE JOINT. THE JOINT SHALL THEN BE IMMOBILIZED WITH A CONCRETE COLLAR WITH COMPACTED BASE AS DESCRIBED IN NOTES HEREIN. MAR MAC, OR EQUAL, COUPLINGS SHALL OVERLAP THE PIPE JOINT A MINIMUM OF 1 FOOT ON EITHER SIDE.

- CONTRACTOR SHALL PREPARE EXCAVATION AND OFF-LOAD SWIRL CONCENTRATOR. CONTRACTOR IS RESPONSIBLE FOR BEDDING AND BACKFILL AROUND SWIRL CONCENTRATOR AS DETAILED ON SITE PLAN. MANUFACTURER SHALL SUPPLY STANDARD MANHOLE FRAME(S) AND COVER(S). (TRAFFIC RATED 120)
- WHERE TRAFFIC LOADING (H-20) IS REQUIRED OR ANTICIPATED, A REINFORCED CONCRETE PAD MUST BE PLACED OVER THE ENTIRE SWIRL CONCENTRATOR PER CONCRETE DESIGN AS CALCULATED BY ENGINEER. SAMPLE OF TYPICAL CONCRETE DESIGN DETAIL IS AVAILABLE UPON REQUEST.
- UNLESS OTHER TRAFFIC BARRIERS ARE PRESENT, BOLLARDS SHALL BE PLACED AROUND ACCESS RISERS IN NON-TRAFFIC AREAS TO PREVENT INADVERTENT LOADING BY MAINTENANCE VEHICLES. SAMPLE OF TYPICAL BOLLARD INSTALLATION DETAIL AND RECOMMENDED LOCATIONS OF BOLLARDS AROUND THE SWIRL CONCENTRATOR CAN BE PROVIDED UPON REQUEST.
- EXCAVATION AND BEDDING - THE TRENCH AND TRENCH BOTTOM SHALL BE CONSTRUCTED IN ACCORDANCE WITH ASTM D-2321, SECTION 6. TRENCH EXCAVATION, AND SECTION 7. INSTALLATION. THE HDPE SWIRL CONCENTRATOR SHALL BE INSTALLED ON A STABLE BASE CONSISTING OF 12-INCHES OF CLASS I STONE MATERIALS AS DEFINED BY ASTM D2321, SECTION 5, MATERIALS. (E.G. #8 CRUSHED WASHED STONE) AND COMPACTED TO 95% PROCTOR DENSITY. ALL REQUIRED SAFETY PRECAUTIONS FOR SWIRL CONCENTRATOR INSTALLATION ARE THE RESPONSIBILITY OF THE CONTRACTOR.
- BACKFILL REQUIREMENTS - BACKFILL MATERIALS SHALL BE CLASS I STONE (#8 CRUSHED WASHED STONE) AS DEFINED BY ASTM D2321, SECTION 5, MATERIALS, AND COMPACTED TO 90% PROCTOR DENSITY. BACKFILL AND BEDDING MATERIALS SHALL BE FREE OF DEBRIS. BACKFILLING SHALL CONFORM TO ASTM F759, SECTION 4.2, "DESIGN ASSUMPTIONS". BACKFILL SHALL EXTEND AT LEAST 42 INCHES OUTWARD FROM SWIRL CONCENTRATOR AND FOR THE FULL HEIGHT OF THE SWIRL CONCENTRATOR (INCLUDING RISER(S)) EXTENDING LATERALLY TO UNDISTURBED SOILS.

EROSION CONTROL NOTES:

SOIL EROSION CONTROL SUMMARY:

- CONTRACTOR SHALL INSTALL SODDING, INLET PROTECTION, AND FILTERS AS SHOWN.
- MASS GRADE THE SITE (SIDES OF SWALES, MOUNDS AND PONDS) TO BE SODDED OR SEEDED AND MULCHED IMMEDIATELY UPON COMPLETION. TEMPORARY SEEDING SHALL BE RECOMMENDED FOR ALL SWALES AND DISTURBED AREAS THAT CANNOT BE FINAL SEEDING WITHIN A TIME PERIOD THAT WILL PREVENT SOIL EROSION. FOR TEMPORARY SEEDING THE CONTRACTOR SHALL UTILIZE A FAST GROWING SEED OF EITHER CATS, ANNUAL RYE GRASS, WHEAT OR RYE DEPENDING UPON TIME OF YEAR. DISTURBED AREAS SHOULD BE KEPT TO A MINIMUM AT ALL TIMES.
- CONTRACTOR SHALL CONTROL MUD ACCUMULATION ON ALL STREETS SURROUNDING THE PROJECT BY INSTALLING STONE SURFACE AT ALL LOCATIONS WHERE CONSTRUCTION TRAFFIC LEAVES THE SITE. DUST SHALL BE KEPT TO A MINIMUM BY UTILIZING SPRINKLING, CALCIUM CHLORIDE, VEGETATIVE COVER, SPRAY ON ADDITIVES OR OTHER APPROVED METHODS.
- MAINTAIN ALL FILTERS DURING CONSTRUCTION TO PREVENT ANY BLOCKAGES FROM ACCUMULATED SEDIMENT. ADDITIONAL SEEDING MAY BE REQUIRED DURING CONSTRUCTION AS SPECIFIED BY ENGINEER OR SOIL CONSERVATION SERVICE. RIPRAP SHALL BE PLACED IN AREAS OF HIGH VELOCITY STREAM FLOW (MINIMUM SIZE 1/3 CU FT.). PAYMENT FOR ADDITIONAL RIPRAP NOT SHOWN ON PLANS AND SEEDING SHALL BE ON A UNIT BASIS.
- CONTRACTOR SHALL INSTALL ALL STORM SEWER INLET FILTERS AS STORM SEWER SYSTEM IS INSTALLED.
- ALL PROPOSED STREET AREAS TO BE PAVED AS SOON AS POSSIBLE AFTER SUBGRADE IS PREPARED.
- CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL ONLY WHEN THERE IS SUFFICIENT GROWTH OF CONFORC COVER TO PREVENT FURTHER EROSION.
- ALL SWALES SHALL BE SEEDED AND SODDED (AS INDICATED ON THE EROSION AND SEDIMENT CONTROL PLAN) IMMEDIATELY AFTER FINAL GRADING.
- CONTRACTOR SHALL MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH THE MOST RECENT GOVERNING JURISDICTIONS STANDARDS FOR EROSION CONTROL IN DEVELOPING AREAS.

MAINTENANCE:

INSPECT PERIODICALLY, ESPECIALLY AFTER STORM EVENTS, UNTIL THE STAND IS SUCCESSFULLY ESTABLISHED. (CHARACTERISTICS OF A SUCCESSFUL STAND INCLUDE: VIGOROUS DARK GREEN OR BLuish-GREEN SEEDLINGS, UNIFORM DENSITY WITH NURSE PLANTS, LEGUMES, AND GRASSES WELL INTER-MIXED, GREEN LEAVES, AND THE PERENNIALS REMAINING GREEN THROUGHOUT THE SUMMER, AT LEAST AT THE PLANT BASE.)

PLAN TO ADD FERTILIZER THE FOLLOWING GROWING SEASON ACCORDING TO SOIL TEST RECOMMENDATIONS.

REPAIR DAMAGED, BARE, OR SPARSE AREAS BY FILLING ANY GULLIES, RE-FERTILIZING, OVER-RE-SEEDING, AND MULCHING.

IF PLANT COVER IS SPARSE OR PATCHY, REVIEW THE PLANT MATERIALS CHOSEN. SOIL FERTILITY, MOISTURE CONDITION, AND MULCHING AFTER RE-PREPARING THE SEEDBED.

IF VEGETATION FAILS TO GROW, CONSIDER SOIL TESTING TO DETERMINE ACIDITY OR NUTRIENT DEFICIENCY PROBLEMS. CONTACT YOUR SWCD OR COOPERATIVE EXTENSION OFFICE FOR ASSISTANCE.)

IF ADDITIONAL FERTILIZATION IS NEEDED TO GET A SATISFACTORY STAND, DO SO ACCORDING TO SOIL TEST RECOMMENDATIONS.

EROSION CONTROL NOTES:

UPON COMPLETION OF A STORM STRUCTURE, THE CURB INLET PROTECTION SHALL BE INSTALLED IMMEDIATELY.

ALL AREAS NOT DENOTING PERMANENT SEEDING OR FIBER BLANKETS SHALL BE TEMPORARILY SEEDDED.

THE EARTHWORK CONTRACTOR IS RESPONSIBLE FOR KEEPING THE EXISTING ROADWAYS CLEAR OF DIRT AND DEBRIS.

ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED BY INSPECTOR AS CONDITIONS WARRANT.

EROSION PROTECTION DURING CONSTRUCTION AND SEEDING:

- CONTRACTOR SHALL PROVIDE ADEQUATE EROSION PROTECTION MEASURE DURING CONSTRUCTION SUCH AS, BUT NOT LIMITED TO:
 - SILT FENCING
 - MULCH AND SEEDING
 - SOIL STABILIZATION FABRIC
- DETAILS AND PLACEMENT SPECIFICATION FOR ABOVE ITEMS ARE AVAILABLE ON REQUEST FROM THE ENGINEER.
- ALL CONSTRUCTION AREAS ARE TO BE SEEDDED IMMEDIATELY FOLLOWING GRADING.
- WOOD CELLULOSE FIBER, STRAW OR MULCH SHALL BE APPLIED AT A RATE OF 34 TONS PER ACRE AND SHALL BE REQUIRED FOR ALL SWALE, LAKE SLOPE AND STREET SEEDING.

UTILITY NOTES:

SANITARY GENERAL SPECIFICATIONS:

- (A) 100 PSI FLOWABLE FILL SHALL BE REQUIRED FOR ROAD CROSSINGS UNDER EXISTING PAVEMENT AND WITHIN FIVE (5) FEET OF THE PAVEMENT EDGE. STREET CUT REPAIRS SHALL USE 100 PSI FLOWABLE FILL TO WITHIN 6" OF PAVEMENT SURFACE. INSTALL 5" OF 4000 PSI READY MIX CONCRETE WITHIN 1" OF PAVEMENT 24 HOURS AFTER FLOWABLE FILL HAS BEEN INSTALLED. INSTALL 1" OF #1 SURFACE ASPHALT LEVEL WITH EXISTING PAVEMENT WITHIN 24 HOURS ON CONCRETE INSTALLATION.
 - FLOWABLE FILL SHALL BE A MIXTURE OF SAND, PORTLAND CEMENT AND WATER, THOROUGHLY MIXED, AND SHALL HAVE 100 PSI COMPRESSIVE STRENGTH WITHIN 3 HOURS OF PLACEMENT. FLOWABLE FILL SHALL BE PLACED FROM TOP OF #8 STONE PIPE COVER TO BOTTOM OF NEW PAVEMENT.
 - IN LOCATIONS OF NEW DEVELOPMENT, WHERE UTILITIES ARE INSTALLED PRIOR TO ROAD CONSTRUCTION, TRENCH BACKFILL UNDER FUTURE ROAD SHALL BE ENTIRELY #8 CRUSHED STONE FROM MANHOLES.
- ALL OSHA SAFETY STANDARDS SHALL BE STRICTLY ENFORCED FOR PROTECTION OF WORKERS.
- NO SEWER SYSTEM CONSTRUCTION MAY BEGIN UNTIL APPROVAL FROM GOVERNING JURISDICTION.
- ONE SET OF APPROVED PLANS SHALL BE ON THE JOB SITE AT ALL TIMES.

POLYVINYL CHLORIDE (P.V.C.) PIPE:

- PIPE DIAMETERS OF 10 INCHES THROUGH 15 INCHES SHALL MEET OR EXCEED ALL THE REQUIREMENTS OF ASTM D-3034, AND SHALL HAVE A MINIMUM CELL CLASSIFICATION OF 12454-C. REFERENCE SHOULD BE MADE TO ASTM D-754 FOR A SUMMARIZATION OF CELL CLASS PROPERTIES. PIPE DIAMETERS GREATER THAN 15 INCHES SHALL MEET OR EXCEED ALL REQUIREMENTS OF ASTM F-479, AND SHALL HAVE A MINIMUM CELL CLASSIFICATION OF 12454-C. P.V.C. RIBBED SEWER PIPE SHALL MEET OR EXCEED ALL REQUIREMENTS OF ASTM F-794 AND SHALL HAVE A MINIMUM CELL CLASSIFICATION OF 12454.
- THE MINIMUM WALL THICKNESS FOR PIPES OF 10 INCHES THROUGH 15 INCHES IN DIAMETER SHALL CONFORM TO SDR-35, TYPE FPM AS SPECIFIED IN ASTM D-3034. THE MINIMUM WALL THICKNESS FOR PIPE DIAMETERS GREATER THAN 15 INCHES SHALL CONFORM TO 1-A5 SPECIFIED IN ASTM F-479. P.V.C. PIPE SHALL HAVE A MINIMUM PIPE STIFFNESS OF 40 POUNDS PER SQUARE INCH FOR EACH DIAMETER WHEN MEASURED AT FIVE PERCENT DEFLECTION AND TESTED IN ACCORDANCE WITH ASTM D-2412.
- PIPE JOINTS SHALL HAVE A BELL WALL, GASKET GROOVE AND SPIGOT WHICH IS INTERGRAL WITH THE PIPE. THE ASSEMBLY OF JOINTS SHALL BE IN ACCORDANCE WITH THE PIPE MANUFACTURERS' RECOMMENDATIONS AND ASTM D-3212. NO SOLVENT CEMENT JOINTS SHALL BE ALLOWED. GASKET MATERIAL SHALL BE CONSTRUCTED OF STYRENE BUTADIENE OR BUTYL RUBBER AND MEET THE REQUIREMENTS OF ASTM F-477.
- EACH PIPE SECTION SHALL BE MARKED WITH THE NAME OF THE MANUFACTURER, TRADEMARK OR TRADENAME, NOMINAL PIPE SIZE, PRODUCTION / EXTRUSION CODE, MATERIAL AND CELL CLASS DESIGNATION AND ASTM NUMBER.
- INSTALLATION SHALL BE IN ACCORDANCE WITH ASTM RECOMMENDED PRACTICE D-2321.

SANITARY SEWER NOTES:

- STATE STANDARDS AND STATE DEPARTMENT OF ENVIRONMENTAL MANAGEMENT REQUIREMENTS SHALL BE MET OR EXCEEDED FOR ALL DESIGN, MATERIALS AND CONSTRUCTION METHODS.
- SANITARY SEWER MANHOLES SHALL BE MONOLITHIC PRECAST SECTIONS, INCLUDING THE BOTTOM SECTION. ALL SECTIONS SHALL BE PRECAST CONCRETE IN ACCORDANCE WITH ASTM C-478. ALL MANHOLE INLET CONNECTIONS SHALL BE LOCK JOINT FLEXIBLE SLEEVES CONFORMING TO ASTM C-923. ONLY PRECAST CONCRETE RINGS SHALL BE ALLOWED FOR CASTING RISERS. ALL MANHOLES, GRADE RINGS AND CASTING SHALL BE SEALED TO PREVENT INFILTRATION.
- MANHOLE INVERTS SHALL BE SHAPED FOR FLOW CHANNELS WITH CONCRETE AND SMOOTHLY FINISHED BY A SEMI CIRCULAR SECTION CONFORMING TO THE INSIDE DIAMETER OF THE CONNECTING SEWERS. NO BRICK, ROCK OR SAND FILLERS WILL BE ALLOWED.
- ALL MANHOLE COVERS SHALL BE TRAFFIC BEARING, NON-ROCKING DESIGN WITH NON-PENETRATING PICK HOLES.
- SANITARY SEWERS SHALL BE POLYVINYL CHLORIDE (PVC) SDR 35 MEETING ASTM D3034 SPECIFICATIONS. ALL SEWER MAINS SHALL HAVE A MINIMUM DIAMETER OF 8". ALL PIPE SPECIFIED SHALL SUPPORT ANTICIPATED LOADS.
- ALL JOINTS SHALL BE PUSH-ON TYPE (SLIP SEAL) OR SOLVENT WELD.
- BEDDING FOR PVC PIPE SHALL CONFORM TO BEDDING CLASSES I, II OF III, AS DESCRIBED IN ASTM D2321. FLEXIBLE SEWER PIPE INSTALLATION REQUIREMENTS.
- ALL SEWER PIPE SHALL BE LAID USING PIPE LASER EQUIPMENT FOR BOTH VERTICAL AND HORIZONTAL ALIGNMENT.
- MINIMUM ALLOWABLE COVER SHALL BE 5'-0" OVER TOP OF PIPE.
- ALL SEWER MAINS SHALL BE DEFLECTION TESTED WITH AN 11 POINT, 5% MANDEL AFTER COMPACTED AGGREGATE IS IN PLACE FOR ALL STREETS. FLEXIBLE PIPE WILL BE TESTED AFTER BACKFILL HAS BEEN IN PLACE FOR AT LEAST 30 DAYS. ALL PVC PIPE FAILING THE MANDEL TEST SHALL BE REROUTED IN PLACE OR AN ALTERNATE METHOD APPROVED BY THE GOVERNING JURISDICTION IF REPAIR REQUIRED. SEWER SHALL BE RETESTED 30 DAYS AFTER REPAIR IS COMPLETE.
- ALL SEWER MAINS SHALL BE LAMPED AT THE TIME THE MANDEL TEST IS CONDUCTED. ALL MAINS SHALL BE TRUE TO ALIGNMENT AND GRADE.
- ALL SEWER MAINS AND LATERAL CONNECTIONS SHALL BE AIR TESTED IN ACCORDANCE WITH UN-BELL LNB-8-85. MINIMUM TIME FOR THE AIR TEST SHALL BE FOR A 10 PSIG PRESSURE DROP. ALL SECTIONS FAILING AIR TEST SHALL BE REPAIRED AND RETESTED.
- ALL SERVICE VYE BRANCHES SHALL BE INSTALLED AT THE TIME OF THE SEWER MAIN INSTALLATION. NO DIRECT TAPS WILL BE ALLOWED ON NEW MAIN CONSTRUCTION. NO VERTICAL CONNECTIONS WILL BE ALLOWED.
- A SEPARATE 6" MINIMUM SERVICE SHALL BE PROVIDED FOR EACH UNIT SERVED APPROXIMATELY SIX (6) FEET TO THE RIGHT OF THE LOT CENTERLINE. NO VYES SHALL BE ALLOWED, INCLUDING CONDOMINIUMS.
- THE MAXIMUM ALLOWABLE VERTICAL DISTANCE BETWEEN ANY INFLUENT LINE AND THE EFFLUENT MAIN SHALL BE 6" FOR TYPE 'A' AND 2" MANHOLES. ANY DISTANCE GREATER THAN 6" SHALL REQUIRE A TYPE 'B' MANHOLE.
- WHERE A SEWER EXTENSION OR IMPROVEMENT CONNECTS TO AN EXISTING SEWER OR MANHOLE, IT MUST BE LOCATED IN A STREET, ROAD OR HIGHWAY ROW AND NOT LOCATED IN SUCH A MANNER WHERE IT WILL CUT THROUGH LOTS OR DEVELOPMENTS.
- ALL EXTENSIONS SHALL BE INSTALLED AT MINIMUM GRADES.

CONCRETE MANHOLE NOTES:

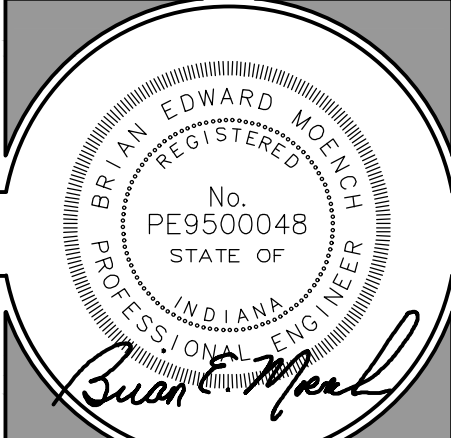
- ALL MANHOLES SHALL BE NEGATIVE AIR PRESSURE (VACUUM) TESTED AS PER ASTM C1244 STANDARD METHOD.
- NO MANHOLES SHALL BE MORE THAN 14" FROM BACK OF CURB.
- NO MANHOLE SHALL BE LOCATED IN ANY BACKYARD OR SIDE YARD UNLESS SPECIFICALLY APPROVED BY THE GOVERNING AGENCY. THEY MUST BE LOCATED IN THE FRONT YARD OR FRONT LOT THAT IS FRONTING A STREET.
- ALL JOINTS IN MANHOLES SHALL BE SEALED TO PREVENT INFILTRATION BY USING A RUBBER 'O-RING' GASKET AND A 1/2" EXTRUDABLE PERFORMANCE GASKET BETWEEN ALL PRECAST SECTIONS.
- ANNULAR SPACE AROUND SANITARY SEWER AT POINT OF ENTRANCE INTO THE MANHOLE SHALL BE GROUDED COMPLETELY AROUND SANITARY SEWER, INSIDE AND OUTSIDE TO INSURE SMOOTH TRANSITION.
- WHEN CONNECTING A NEW SEWER INTO AN EXISTING MANHOLE, THE EXISTING MANHOLE SHALL BE BROUGHT UP TO MEET PRESENT STANDARDS.
- SECTION JOINTS ON PRECAST CONCRETE MANHOLES SHALL BE SEALED WITH BLACK TAR MASTIC 6" ABOVE AND 6" BELOW JOINT, ON MANHOLE EXTERIOR.



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3996 Clark Creek Road
Suite #100
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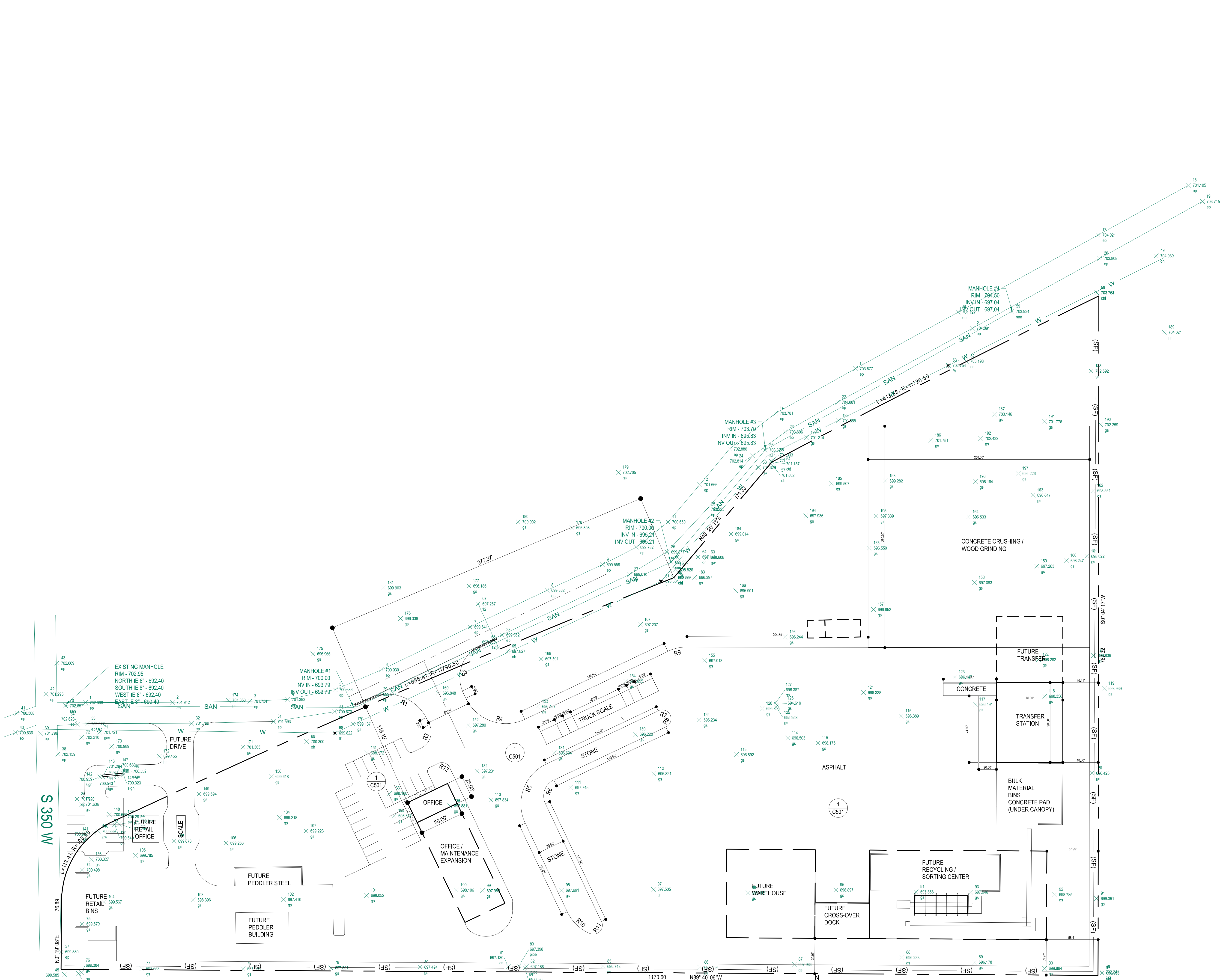
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Metro Recycling and Transfer Building
603 N OAKWOOD ST
NORTH JUDSON, INDIANA 46366
NOTES, LEGEND and RULE 5 INDEX SHEET



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OVERALL SITE PLAN
SCALE: 1" = 50'

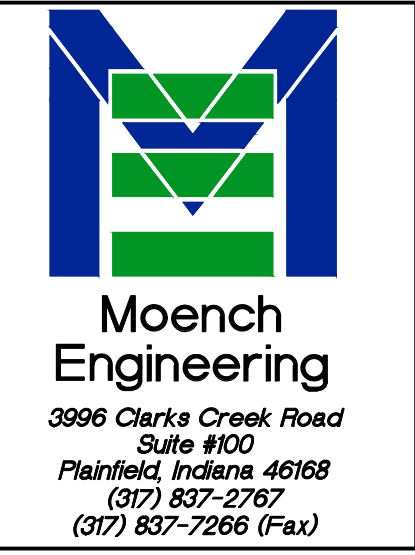
LEGAL DESCRIPTION

PARCEL
 LATITUDE: 41°13'23" N
 LONGITUDE: 56°45'51" W

A PARCEL OF LAND LOCATED IN THE NORTHEAST QUARTER OF SECTION 16, TOWNSHIP 32 NORTH, RANGE 3 WEST OF THE SECOND PRINCIPAL MERIDIAN WAYNE TOWNSHIP, STARKE COUNTY, INDIANA BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

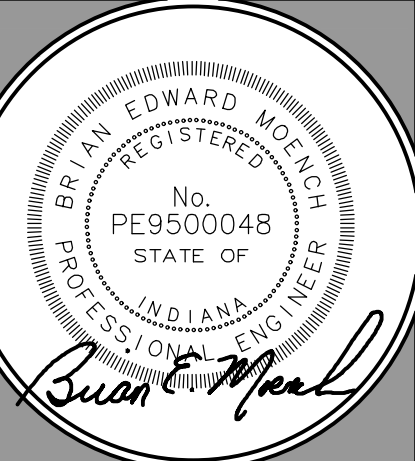
BEGINNING AT THE SOUTHWEST CORNER OF THE NORTHEAST QUARTER OF SECTION 16, AS EVIDENCED BY AN IRON ROD, THENCE NORTH 00°19'08" EAST (BASIS OF BEARINGS) ON THE WEST LINE OF THE NORTHEAST QUARTER OF SECTION 16, A DISTANCE OF 76.89 FEET TO THE BEGINNING OF A TANGENT CURVE CONCAVE TO THE SOUTHEAST, HAVING A RADIUS OF 100.00 FEET AND A DELTA ANGLE OF 87°50'40"; THENCE NORTHEASTERLY ON SAID CURVE, A DISTANCE OF 118.41 FEET TO THE BEGINNING OF A NON-TANGENT CURVE CONCAVE TO THE NORTHWEST, HAVING A RADIUS OF 11790.50 FEET AND A CHORD THAT BEARS NORTH 66°29'53" EAST A DISTANCE OF 685.31 FEET; THENCE NORTHEASTERLY ON SAID CURVE, A DISTANCE OF 685.41 FEET; THENCE NORTH 40°20'13" EAST A DISTANCE OF 171.33 FEET TO THE BEGINNING OF A NON-TANGENT CURVE CONCAVE TO THE NORTHWEST, HAVING A RADIUS OF 11720.50 FEET AND A CHORD THAT BEARS NORTH 63°03'32" EAST A DISTANCE OF 413.88 FEET; THENCE NORTHEASTERLY ON SAID CURVE, A DISTANCE OF 413.88 FEET TO THE WEST LINE OF A PARCEL OF LAND CONVEYED TO THE AMERICAN OAK PERSERVING COMPANY INC. IN DEED DOCUMENT NO. 2013002689, THENCE SOUTH 00°04'17" WEST ON SAID WEST LINE, A DISTANCE OF 767.32 FEET TO THE SOUTH LINE OF THE NORTHEAST QUARTER OF SECTION 16; THENCE NORTH 89°40'09" WEST OF SAID SOUTH LINE, A DISTANCE OF 1170.60 FEET TO THE POINT OF BEGINNING.

PARCEL CONTAINS 11.58 ACRES, MORE OR LESS.



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Metro Recycling and Transfer Building
 603 N OAKWOOD ST
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 OVERALL SITE PLAN



REVISIONS:

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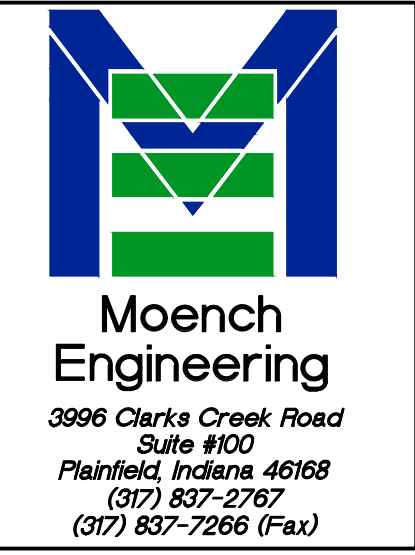
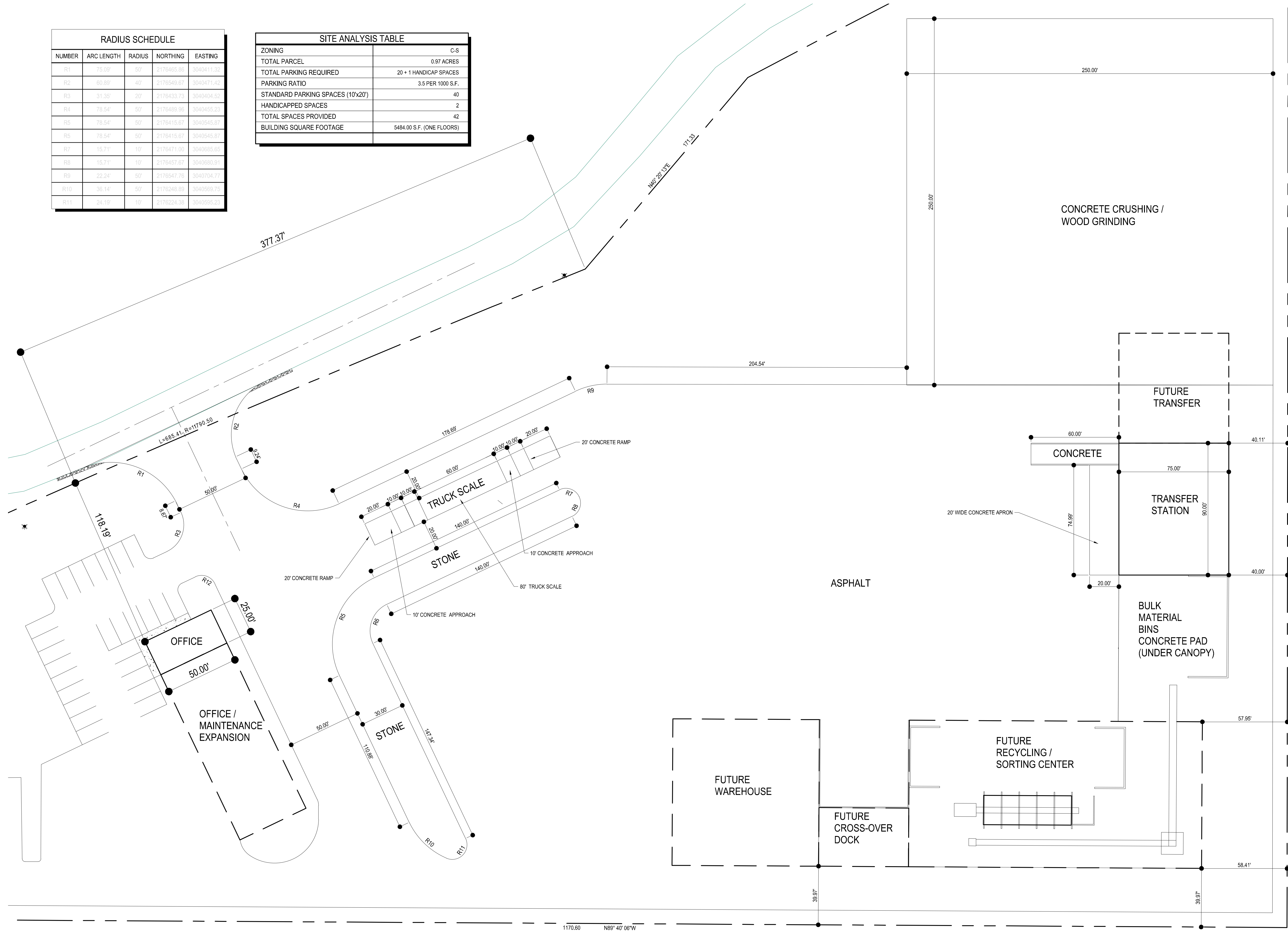
DRAWN BY: AEC
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 DATE: 09/23/16
 SHEET NUMBER:

C101



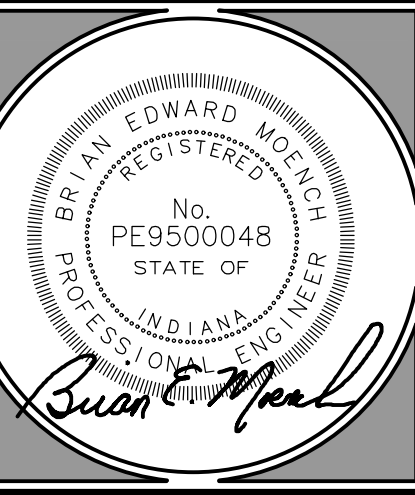
RADIUS SCHEDULE				
NUMBER	ARC LENGTH	RADIUS	NORTHING	EASTING
R1	75.00'	50'	2176465.86	3040411.32
R2	60.89'	40'	2176549.67	3040471.42
R3	31.35'	20'	2176433.73	3040404.52
R4	78.54'	50'	2176489.98	3040455.23
R5	78.54'	50'	2176415.67	3040545.87
R6	78.54'	50'	2176415.67	3040545.87
R7	15.71'	10'	2176471.03	3040685.85
R8	15.71'	10'	2176457.67	3040680.91
R9	22.24'	50'	2176547.76	3040704.77
R10	36.14'	50'	2176248.89	3040569.75
R11	24.19'	10'	2176224.38	3040595.23

SITE ANALYSIS TABLE	
ZONING	C-S
TOTAL PARCEL	0.97 ACRES
TOTAL PARKING REQUIRED	20 + 1 HANDICAP SPACES
PARKING RATIO	3.5 PER 1000 S.F.
STANDARD PARKING SPACES (10'x20')	40
HANDICAPPED SPACES	2
TOTAL SPACES PROVIDED	42
BUILDING SQUARE FOOTAGE	5484.00 S.F. (ONE FLOORS)



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SITE PLAN

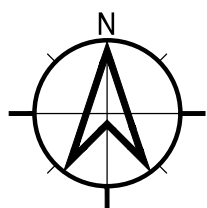


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DATE:	09/23/16
SHEET NUMBER:	C201



ENLARGED SITE PLAN
SCALE: 1" = 30'

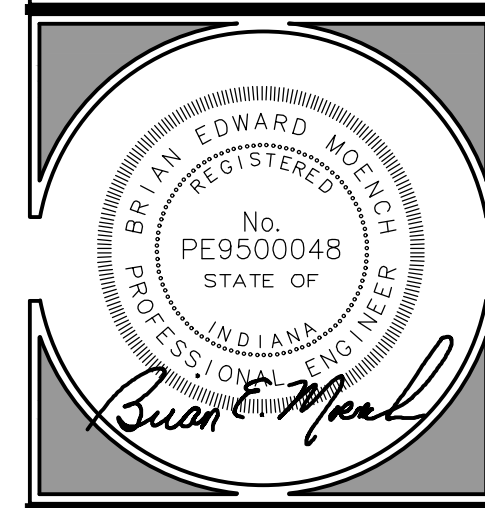




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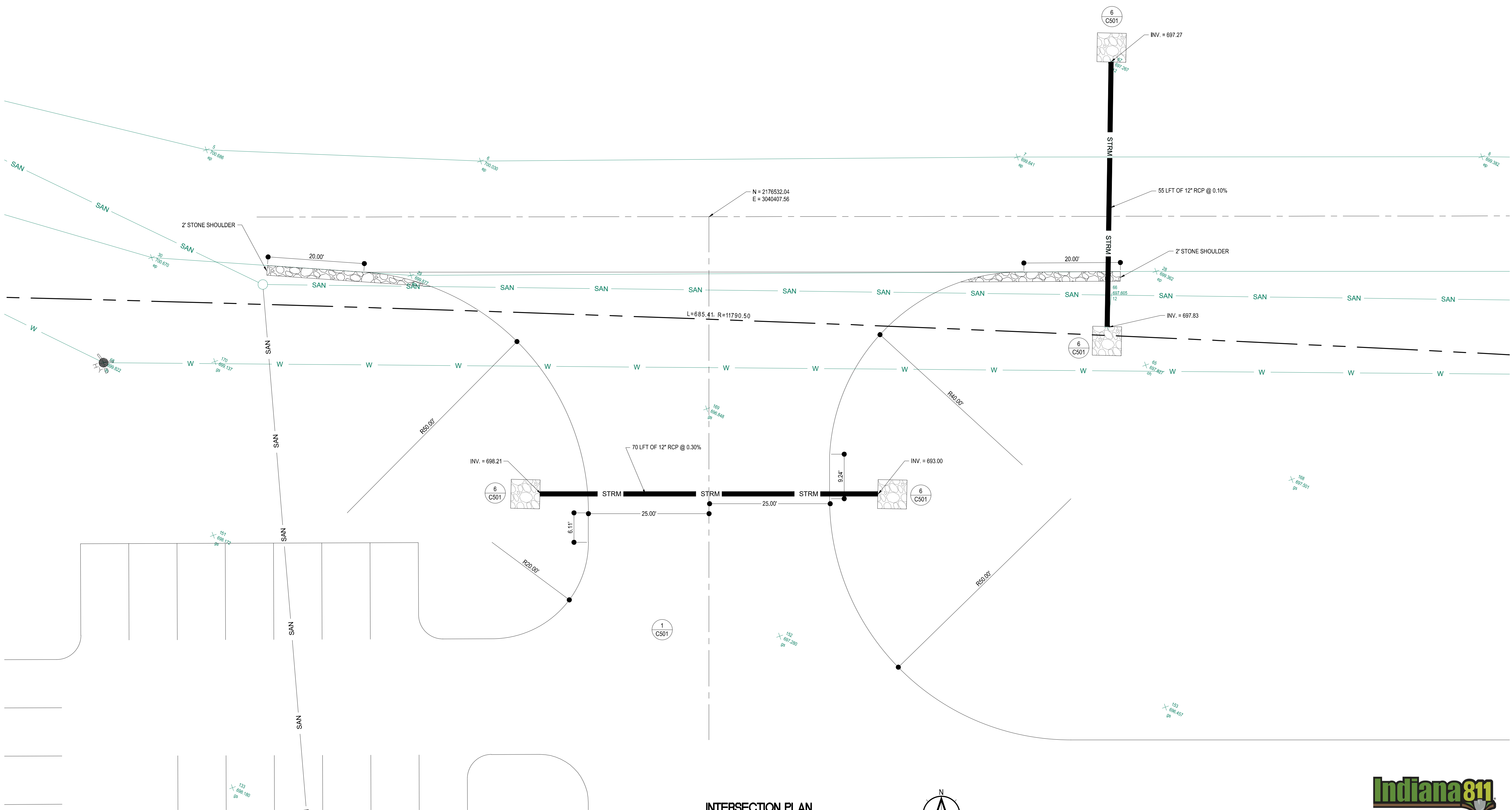
Metro Recycling and Transfer Building
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 INTERSECTION PLAN AND DETAILS



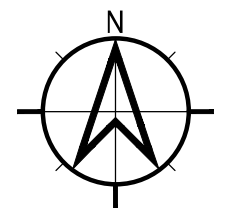
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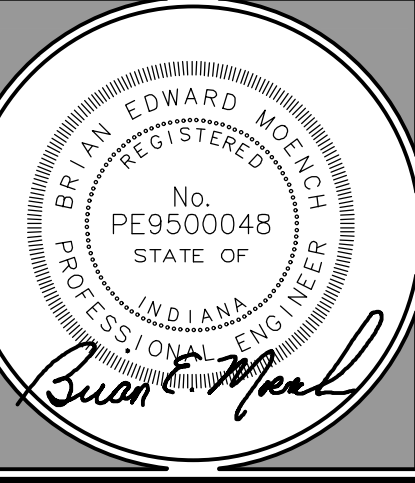


INTERSECTION PLAN
 SCALE: 1" = 10'



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Metro Recycling and Transfer Building
603 N OAKWOOD ST
NORTH JUDSON, INDIANA 46366
GRADING PLAN



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PROJECT NUMBER: 15310
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SHEET NUMBER:

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NOTES TO USERS

This drawing is to be used in accordance with the National Flood Insurance Program (NFIP) Flood Insurance Rate Map (FIRM) for Starke County, Indiana, Community Name, North Judson, Town of, Community Number, 18553, Panel Number, 0235C, Dates January 16, 2014.

The information on this drawing was obtained from the National Flood Insurance Program (NFIP) Flood Insurance Rate Map (FIRM) for Starke County, Indiana, Community Name, North Judson, Town of, Community Number, 18553, Panel Number, 0235C, Dates January 16, 2014.

The information on this drawing was obtained from the National Flood Insurance Program (NFIP) Flood Insurance Rate Map (FIRM) for Starke County, Indiana, Community Name, North Judson, Town of, Community Number, 18553, Panel Number, 0235C, Dates January 16, 2014.

LEGEND

GENERAL NOTES

1. ALL ELEVATIONS ARE IN FEET UNLESS OTHERWISE NOTED.

2. ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE NOTED.

3. ALL DISTANCES ARE IN FEET UNLESS OTHERWISE NOTED.

4. ALL ANGLES ARE IN DEGREES UNLESS OTHERWISE NOTED.

5. ALL SURFACE DRAINAGE IS TO BE TO THE SOUTH.

6. ALL SURFACE DRAINAGE IS TO BE TO THE EAST.

7. ALL SURFACE DRAINAGE IS TO BE TO THE WEST.

8. ALL SURFACE DRAINAGE IS TO BE TO THE NORTH.

9. ALL SURFACE DRAINAGE IS TO BE TO THE SOUTHWEST.

10. ALL SURFACE DRAINAGE IS TO BE TO THE NORTHEAST.

11. ALL SURFACE DRAINAGE IS TO BE TO THE SOUTHWEST.

12. ALL SURFACE DRAINAGE IS TO BE TO THE NORTHEAST.

13. ALL SURFACE DRAINAGE IS TO BE TO THE SOUTHWEST.

14. ALL SURFACE DRAINAGE IS TO BE TO THE NORTHEAST.

15. ALL SURFACE DRAINAGE IS TO BE TO THE SOUTHWEST.

16. ALL SURFACE DRAINAGE IS TO BE TO THE NORTHEAST.

17. ALL SURFACE DRAINAGE IS TO BE TO THE SOUTHWEST.

18. ALL SURFACE DRAINAGE IS TO BE TO THE NORTHEAST.

19. ALL SURFACE DRAINAGE IS TO BE TO THE SOUTHWEST.

20. ALL SURFACE DRAINAGE IS TO BE TO THE NORTHEAST.

FLOOD ZONE DESIGNATION:

THIS LOT DOES NOT LIE IN A FLOOD HAZARD ZONE AS SCALES FROM THE FLOOD INSURANCE RATE MAP (FIRM) FOR STARKE COUNTY, INDIANA, COMMUNITY NAME, NORTH JUDSON, TOWN OF, COMMUNITY NUMBER, 18553, PANEL NUMBER, 0235C, DATES JANUARY 16, 2014.

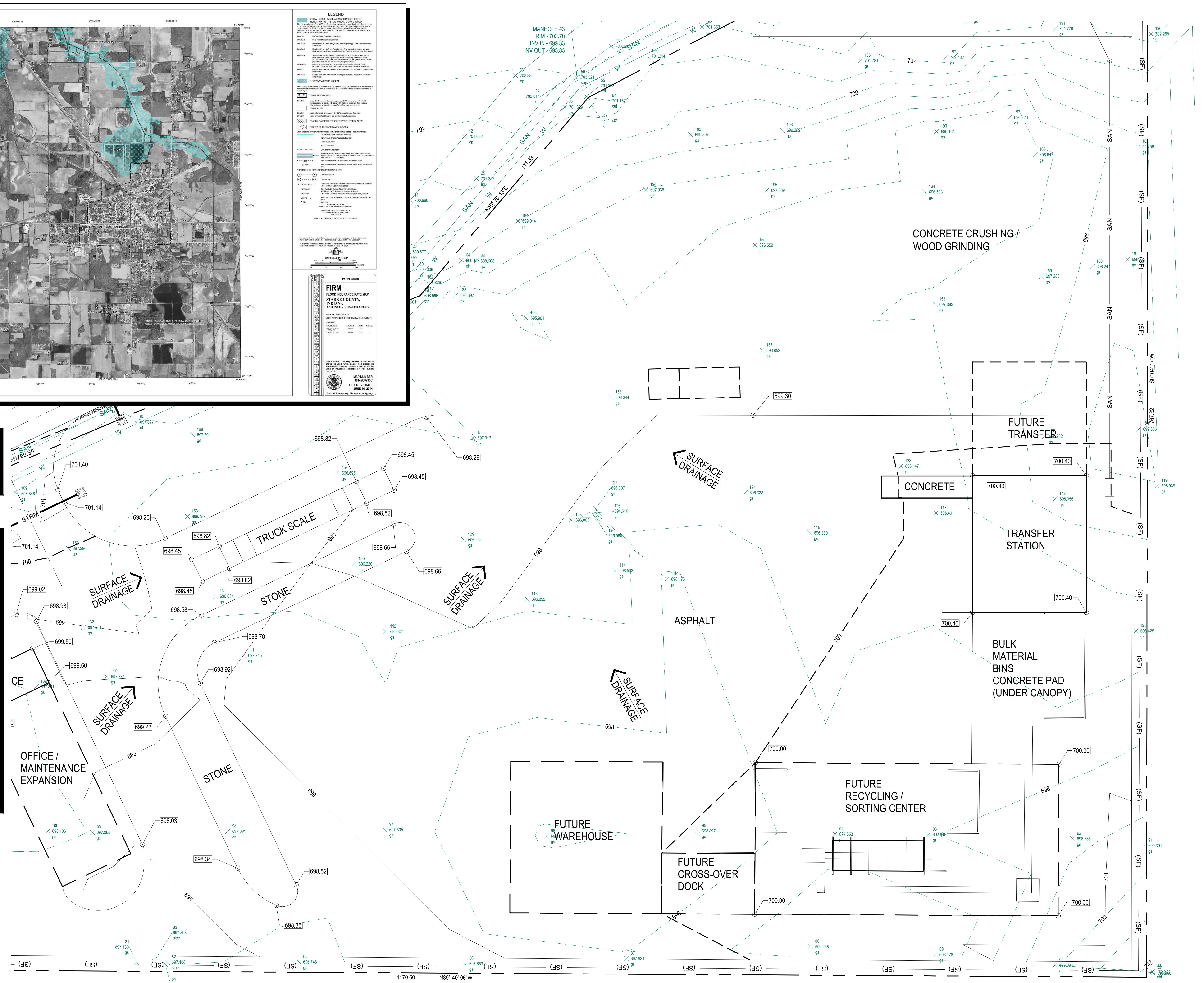
BENCH MARK DATA:

DESIGNATION - H 24
PID - ME0675
STATE/COUNTY - IN/STARKE
COUNTRY - US
USGS QUAD - NORTH JUDSON (1977)

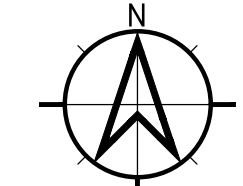
NAD 83(1986) POSITION - 41 13 15.(N) 086 46 34.(W)
SCALED
NAVD 88 ORTHO HEIGHT - 212.401(meters)696.85(feet)
ADJUSTED

STATION DESCRIPTION

DESCRIBED BY COAST AND GEODETIC SURVEY 1946 AT NORTH JUDSON, AT THE CROSSING OF THE NEW YORK CENTRAL AND ERIE RAILROADS AND THE CHESAPEAKE AND OHIO RAILWAY, IN THE NORTHEAST QUARTER OF THE INTERSECTION, 197 FEET EAST AND ACROSS THE ERIE RR AND C. AND O. RY TRACKS FROM THE SOUTHEAST CORNER OF THE STATION, 77.6 FEET NORTHEAST OF THE CENTER OF THE INTERSECTION OF THE N.Y.C.R.R. TRACK AND THE WEST BOUND TRACK OF THE ERIE RR, 17.3 FEET NORTH OF THE NORTH RAIL OF THE N.Y.C.R.R. TRACK, 17 FEET SOUTHWEST OF POLE 43/13, ABOUT LEVEL WITH THE TRACK AND SET IN THE TOP OF A CONCRETE POST FLUSH WITH THE GROUND.

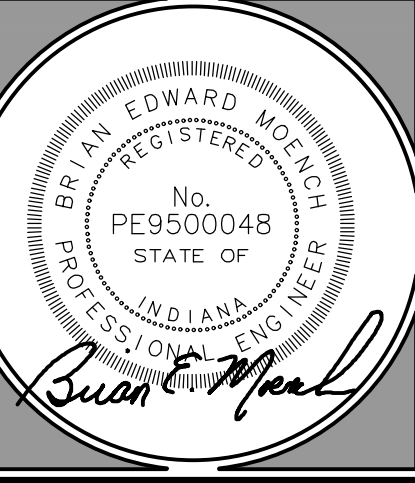


GRADING AND EROSION CONTROL PLAN
SCALE: 1" = 30'



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EROSION CONTROL PLAN



REVISIONS:

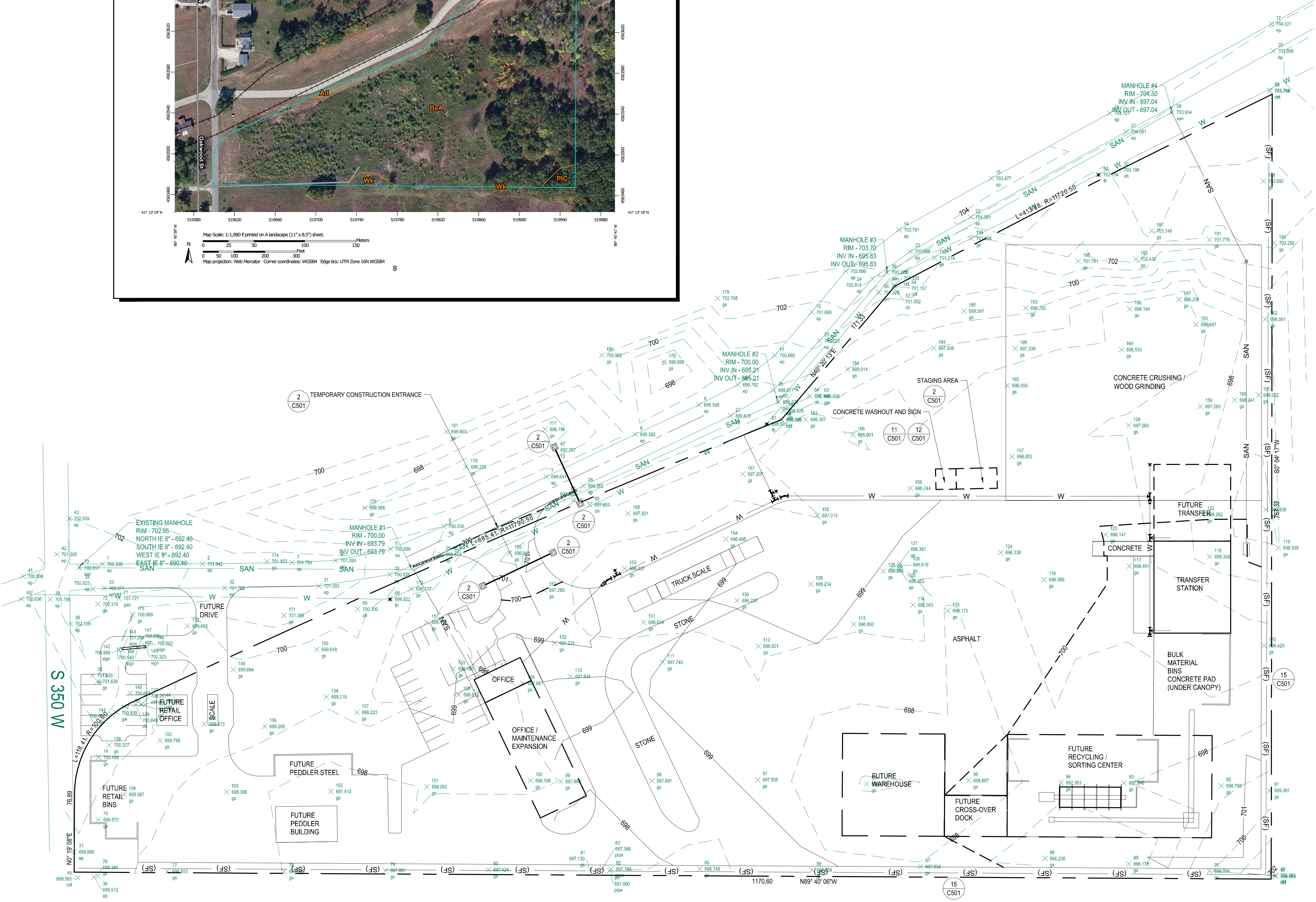
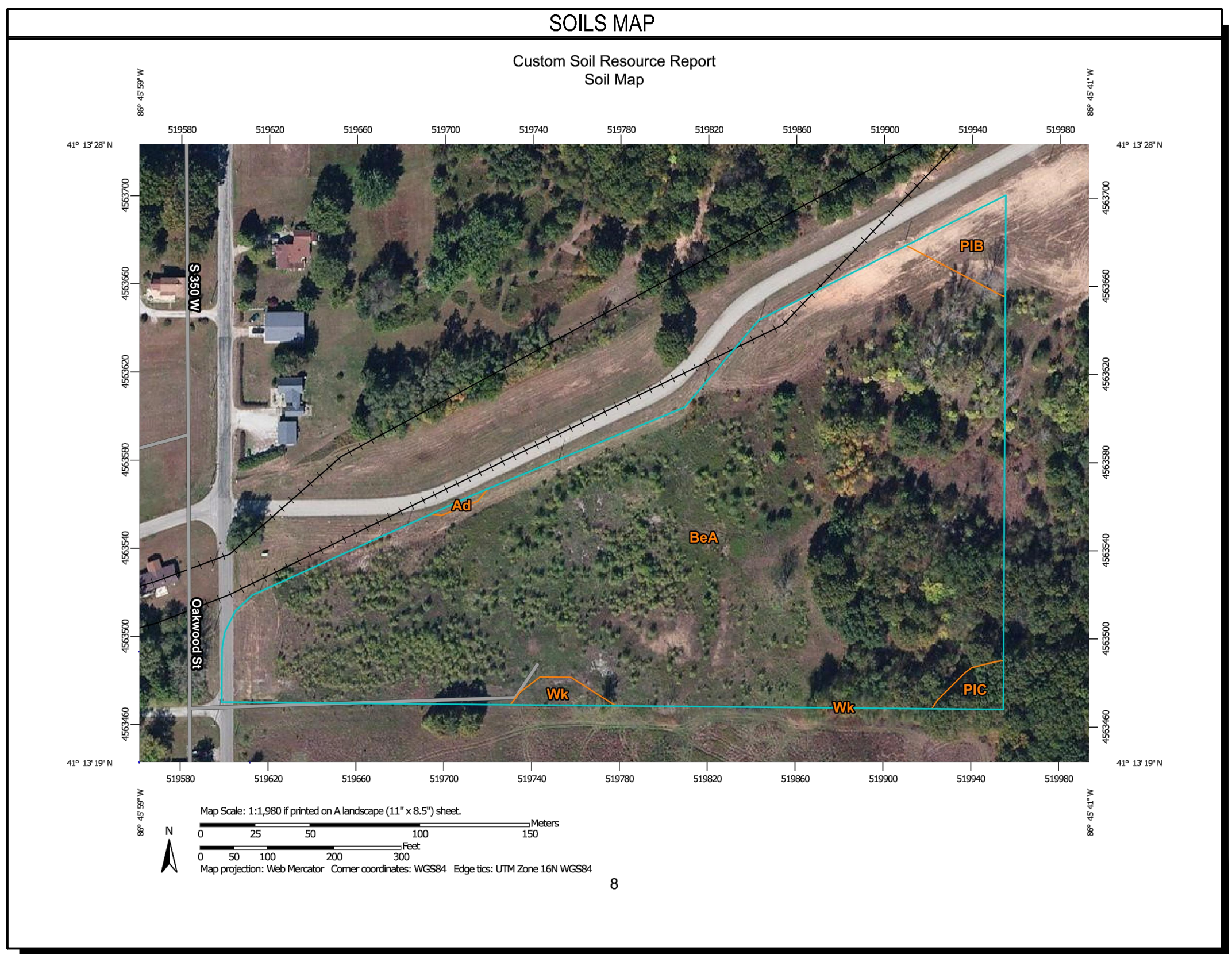
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C302

Map Unit Legend

Starke County, Indiana (IN149)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
Ad	Adrian muck, drained	0.0	0.1%
BeA	Brens sand, 0 to 3 percent slopes	11.2	95.7%
PIB	Plainfield sand, 2 to 6 percent slopes	0.3	2.2%
PIC	Plainfield sand, 6 to 12 percent slopes	0.1	1.0%
Wk	Watska loamy sand	0.1	0.9%
Totals for Area of Interest		11.7	100.0%



RESPONSIBLE PARTY FOR EROSION CONTROL

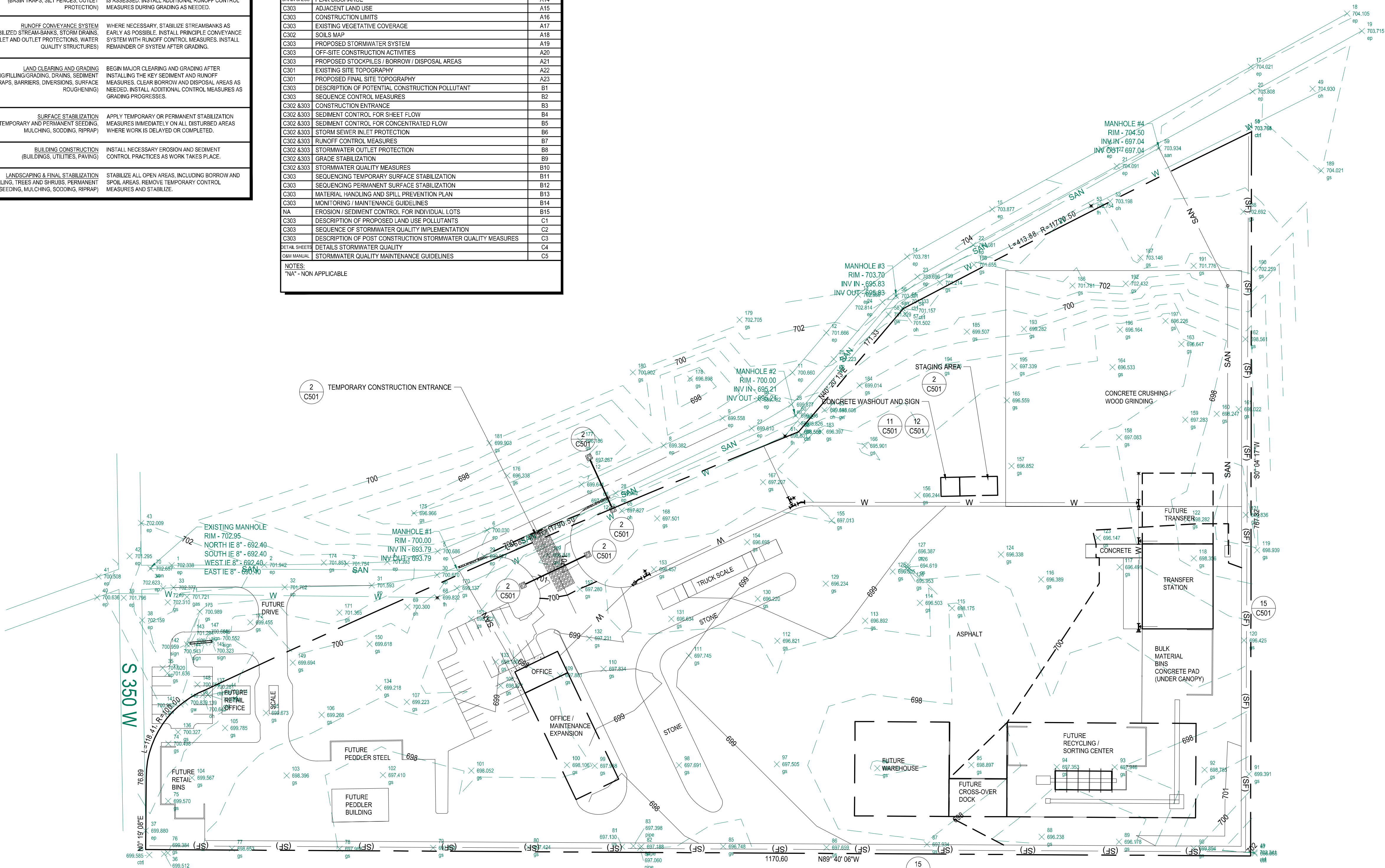
COMPANY: Metro Recycling, Inc.
 NAME: Steve Dystra
 ADDRESS: 1501 E Main Street
 Griffith, IN 46319
 PHONE: 219-922-1830

EROSION CONTROL PLAN
 SCALE: 1" =



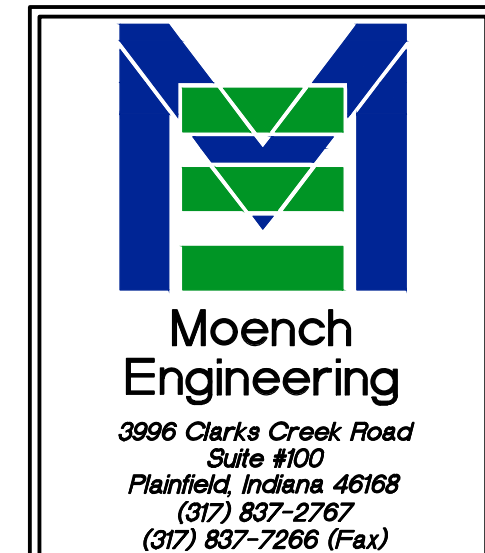
INSTALLATION SCHEDULE:	
CONSTRUCTION PHASE:	CONSTRUCTION SCHEDULE:
PRE-CONSTRUCTION ACTIONS (EVALUATION/PROTECTION OF IMPORTANT SITE CHARACTERISTICS)	BEFORE CONSTRUCTION EVALUATE, MARK AND PROTECT IMPORTANT TREES AND ASSOCIATED ROOTING ZONES, UNIQUE AREAS (e.g., WETLANDS) TO BE PRESERVED, ON SITE SEPTIC SYSTEM ABSORPTION FIELDS IF APPLICABLE, AND VEGETATION SUITABLE FOR FILTER STRIPS, ESPECIALLY IN PERIMETER AREAS.
CONSTRUCTION ACCESS (CONSTRUCTION ENTRANCES, CONSTRUCTION ROUTES, EQUIPMENT PARKING AREAS)	STABILIZE BARE AREAS IMMEDIATELY WITH GRAVEL AND TEMPORARY VEGETATION AS WORK TAKES PLACE.
SEDIMENT BARRIERS AND TRAPS (BASIN TRAPS, SILT FENCES, OUTLET PROTECTION)	INSTALL PRINCIPAL BASINS AFTER CONSTRUCTION SITE IS ASSESSED, INSTALL ADDITIONAL RUNOFF CONTROL MEASURES DURING GRADING AS NEEDED.
RUNOFF CONVEYANCE SYSTEM (STABILIZED STREAMBANKS, STORM DRAINS, INLET AND OUTLET PROTECTIONS, WATER QUALITY STRUCTURES)	WHERE NECESSARY, STABILIZE STREAMBANKS AS EARLY AS POSSIBLE, INSTALL PRINCIPLE CONVEYANCE SYSTEM WITH RUNOFF CONTROL MEASURES, INSTALL REMAINDER OF SYSTEM AFTER GRADING.
LAND CLEARING AND GRADING (CUTTING/FILLING/GRADING, DRAINS, SEDIMENT TRAPS, BARRIERS, DIVERSIONS, SURFACE ROUGHENING)	BEGIN MAJOR CLEARING AND GRADING AFTER INSTALLING THE KEY SEDIMENT AND RUNOFF MEASURES, CLEAR BORROW AND DISPOSAL AREAS AS NEEDED, INSTALL ADDITIONAL CONTROL MEASURES AS GRADING PROGRESSES.
SURFACE STABILIZATION (TEMPORARY AND PERMANENT SEEDING, MULCHING, SOODING, RIPRAP)	APPLY TEMPORARY OR PERMANENT STABILIZATION MEASURES IMMEDIATELY ON ALL DISTURBED AREAS WHERE WORK IS DELAYED OR COMPLETED.
BUILDING CONSTRUCTION (BUILDINGS, UTILITIES, PAVING)	INSTALL NECESSARY EROSION AND SEDIMENT CONTROL PRACTICES AS WORK TAKES PLACE.
LANDSCAPING & FINAL STABILIZATION (TOP SOILING, TREES AND SHRUBS, PERMANENT SEEDING, MULCHING, SOODING, RIPRAP)	STABILIZE ALL OPEN AREAS, INCLUDING BORROW AND SPOIL AREAS, REMOVE TEMPORARY CONTROL MEASURES AND STABILIZE.

RULE 5 INDEX		
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C101	LEGAL DESCRIPTION	A5
C101	OVERALL PROPOSED SITE AND LOT LAYOUT	A6
C303	HYDROLOGIC CODE	A7
C303	STATE OR FEDERAL WATER QUALITY PERMITS	A8
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C303	RECEIVING WATER	A11
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C101	DRAIN CALC. PEAK DISCHARGE	A14
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C303	DESCRIPTION OF PROPOSED LAND USE POLLUTANTS	C1
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C303	DESCRIPTION OF POST CONSTRUCTION STORMWATER QUALITY MEASURES	C3
RETAIL SHEETS	DETAILS STORMWATER QUALITY	C4
DM MANUAL	STORMWATER QUALITY MAINTENANCE GUIDELINES	C5
NOTES: "NA" - NON APPLICABLE		



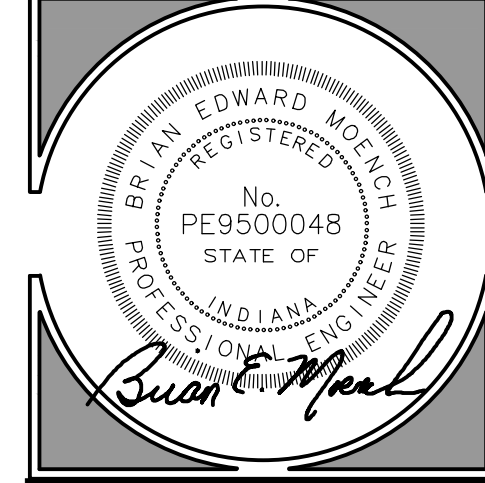
RULE 5 NOTES

- A3 - SITE NARRATIVE:**
IMPROVEMENTS ON 11.58 AC SITE FOR RECYCLING AND TRANSFER STATION.
HUC14 - 071200107050
- A7 - HYDROLOGIC CODE:**
RULE 6
- A8 - STATE OR FEDERAL WATER QUALITY PERMITS & APPLICATIONS:**
NONE
- A10 - SURROUNDING WATER COURSES:**
PINE CREEK TO YELLOW RIVER
- A11 - STORMWATER DISCHARGE / RECEIVING:**
STORMWATER WILL SHEETFLOW TO THE NORTHWEST AND BE CHANNLED INTO PROPOSED RCP AND CMP AND DISCHARGE INTO PINE CREEK
- A12 - POTENTIAL DISCHARGE TO GROUNDWATER:**
BY NORMAL INFILTRATION.
- A15 - ADJACENT LAND USE:**
NORTH - RESIDENTIAL SOUTH - AGRICULTURAL
EAST - INDUSTRIAL WEST - RESIDENTIAL
- A17 - EXISTING VEGETATIVE COVER:**
OPEN AREA GRASS AND UNCULTIVATED FIELD.
- A20 - OFFSITE CONSTRUCTION ACTIVITIES:**
NONE
- A21 - PROPOSED STOCKPILES, BORROW, & DISPOSAL AREAS:**
NO LONG TERM ON SITE STORAGE.
- B1 & B13 - CONSTRUCTION ACTIVITY POTENTIAL POLLUTANTS AND MATERIAL HANDLING WITH SPILL PREVENTION:**
1. CONCRETE WASHOUT - A SPECIFIED CONCRETE WASHOUT AREA NEEDS TO BE ESTABLISHED AND LABELED APPROPRIATELY.
a) AS WASHOUT AREA BECOMES FULL, CONTAMINANT NEEDS TO BE REMOVED FROM SITE AND DISPOSED OF IN A STATE APPROVED MANNER.
2. CONSTRUCTION EQUIPMENT FLUID
a) MAINTENANCE ON EQUIPMENT SHOULD BE KEPT CURRENT.
b) EQUIPMENT REPAIRS SHOULD BE IMMEDIATE TO PREVENT POLLUTION INTO THE STORMWATER SYSTEM.
3. TEMPORARY SOLID WASTE FACILITY
a) ONCE FACILITY IS FULL, IT IS TO BE REMOVED FROM SITE AND DISPOSED OF APPROPRIATELY.
b) ONCE CONSTRUCTION IS COMPLETE, FACILITY SHALL BE REMOVED IMMEDIATELY.
4. CONSTRUCTION MATERIAL WASTE
a) ALL MATERIAL WASTE OR EXCESS SHALL BE REMOVED FROM THE SITE IMMEDIATELY OR CONTAINED WITHIN A DUMPSTER.
b) IF A DUMPSTER IS UTILIZED, IT SHALL BE HAULED AWAY ONCE FULL AND IMMEDIATELY POST-CONSTRUCTION.
- B14 - SELF MONITORING PROGRAM:**
1. A TRAINED INDIVIDUAL SHALL PERFORM A WRITTEN EVALUATION OF THE PROJECT SITE: A) BY THE END OF THE NEXT BUSINESS DAY FOLLOWING EACH MEASURABLE STORM EVENT B) AT A MINIMUM OF ONE (1) TIME PER WEEK 2. THE EVALUATION MUST ADDRESS: A) THE MAINTENANCE OF EXISTING STORM WATER QUALITY MEASURES TO ENSURE THEY ARE FUNCTIONING PROPERLY B) IDENTIFY ADDITIONAL MEASURES NECESSARY TO REMAIN IN COMPLIANCE WITH ALL APPLICABLE STATUTES AND RULES. 3. WRITTEN EVALUATION REPORTS MUST INCLUDE: A) THE NAME OF THE INDIVIDUAL PERFORMING THE EVALUATION B) THE DATE OF THE EVALUATION C) PROBLEMS IDENTIFIED AT THE PROJECT SITE D) DETAILS OF CORRECTIVE ACTIONS RECOMMENDED AND COMPLETED 4. ALL EVALUATION REPORTS FOR THE PROJECT SITE MUST BE MADE AVAILABLE TO THE INSPECTING AUTHORITY WITHIN FORTY-EIGHT (48) HOURS OF A REQUEST.
- C1 - POST CONSTRUCTION POTENTIAL POLLUTANTS:**
1. SEDIMENT
a) ENSURE PERMANENT WATER QUALITY STRUCTURES AND/OR MEASURES ARE MAINTAINED PROPERLY AND ON A REGULAR BASIS 2. CONTAMINANTS FROM LANDSCAPING ACTIVITIES
a) LANDSCAPE ADDITIVES SHOULD BE APPLIED PER THE MANUFACTURER'S INSTRUCTIONS TO ENSURE THE PROPER AMOUNT IS USED AND EXCESS WILL NOT CONTAMINATE THE SURROUNDING FEATURES. 3. CONTAMINANTS FROM HEAVY TRUCK TRAFFIC
a) MAINTENANCE ON EQUIPMENT SHOULD BE KEPT CURRENT.
b) EQUIPMENT REPAIRS SHOULD BE IMMEDIATE TO PREVENT POLLUTION INTO THE STORMWATER SYSTEM. 4. CONTAMINANTS FROM TYPICAL TRAFFIC
a) MAINTENANCE ON TYPICAL OFFICE TRAFFIC SHALL BE KEPT CURRENT. 5. CONTAMINATION FROM TRASH & WASTE DEBRIS
a) TRASH DUMPSTERS/FACILITIES SHALL BE USED PROPERLY b) TRASH SHALL BE REMOVED FROM THE SITE ON A REGULAR AND CONTINUAL SCHEDULE.
- C3 - DESCRIPTION OF POST CONSTRUCTION STORMWATER QUALITY MEASURES:**
NONE
- C5 - STORMWATER QUALITY MAINTENANCE GUIDELINES:**
- REQUIRED PERFORM MAINTENANCE:**
IF DETERMINED BY THE CITY INSPECTION, THE OWNER MUST COMPLETE ANY MAINTENANCE OF THE BEST MANAGEMENT PRACTICES WITHIN THE CITY'S GIVEN SPECIFIED TIMEFRAME. IF MAINTENANCE ACTIVITIES ARE NOT COMPLETED, THEN THE CITY RESERVES THE RIGHT TO COMPLETE THE MAINTENANCE ACTIVITY AND BACK CHARGE THE OWNER ACCORDINGLY.
- ROUTINE MAINTENANCE:**
IT IS THE RESPONSIBILITY OF THE OWNER TO MAINTAIN ALL SITE INFRASTRUCTURE IMPROVEMENTS AS LISTED ABOVE. FOR THE IMPERVIOUS SURFACES, THE OWNER NEEDS TO CONFIRM PROPER DRAINAGE ACROSS THE IMPERVIOUS SURFACE TO THE DRAINAGE COLLECTION POINT. FOR DRAINAGE SWALES, THE OWNER IS RESPONSIBLE TO MAINTAIN POSITIVE SLOPE AND DRAINAGE THROUGH THE SWALE BY REMOVING EXCESS BUILD-UP IN THE FLOW LINES AS WELL AS MAINTAINING A PROPER GRASS COVER/DEPTH TO ALLOW STORM WATER FLOW. IT IS THE RESPONSIBILITY OF THE OWNER TO MAINTAIN THE BANKS OF THE PERMANENT DETENTION AREA. THE ROUTINE MAINTENANCE INCLUDES MOWING THE GRASSY AREAS TO A HEIGHT BETWEEN 4 TO 6 INCHES. IT IS ALSO THE RESPONSIBILITY OF THE OWNER TO KEEP ALL SHRUBBERY AND TREES FROM GROWING WITHIN THE DEDICATED BASEMENT AREA AS DEPICTED ON THE SITE PLANS. THE AREA MUST BE KEPT CLEAN OF ALL LITTER AND DEBRIS AS WELL REGARDING SOIL WITHIN THE WATER QUALITY SWALE. IF STANDING WATER IS WITNESSED IN EXCESS FOR 48 HOURS AFTER A STORM EVENT, THE SOIL MUST BE INSPECTED FOR REASONS OF PREVENTING ABSORPTION AND/OR DECREASING PERMEABILITY (I.E. COMPACTION, DEBRIS, ETC.) THE SOIL NEEDS TO BE TILLED AND/OR INSPECTED IF IMMEDIATE ATTENTION DOESN'T RECTIFY THE SITUATION. DURING TILLING OF THE SOIL, HARDNESS NEEDS TO BE KEPT OF THE SUB-SURFACE DRAINS TO PREVENT DAMAGE (I.E. REMOVAL OR CRUSHING). THE SOIL MUST MAINTAIN A MINIMUM PERMEABILITY VALUE OF FC > 0.50 INCHES PER HOUR. THE SUFFICIENT PROPOSED REPLACEMENT SOIL SUCH AS URBAN LAND FOX COMPLEX, 0 TO 2% SLOPE HAS SUFFICIENT PERMEABILITY QUALITIES TO MEET STANDARDS, IF REQUIRED.
- REMEDIAL MAINTENANCE:**
THE RESPONSIBILITY OF MAINTAINING THE INSTALLED INFRASTRUCTURE IS THE RESPONSIBILITY OF THE OWNER. THIS INCLUDES REPLACING ANY DAMAGED PIPE, CONCRETE STRUCTURE, ANIMAL GUARDS, ETC. TO MAINTAIN THE FUNCTION OF THE INFRASTRUCTURE AS ORIGINALLY DESIGNED.
- SEDIMENT REMOVAL:**
EACH QUARTERLY INSPECTION SHOULD INCLUDE OBSERVATION OF THE SILT BUILD UP IN THE PERMANENT DRAINAGE AREA. IF MORE THAN 2 INCHES OF SILT IS PRESENT, THEN THE SILT MUST BE REMOVED SO THE ORIGINAL DEPTH OF POOL AREA CAN BE MAINTAINED. CARE SHOULD BE TAKEN SO AS NOT TO DISTURB THE BANK AREAS. DURING THIS REMOVAL OF SILT, IF DAMAGE OCCURS TO THE BANK AREA, THEN THE AREA DISTURBED MUST BE REPAIRED TO LIKE CONDITIONS PRIOR TO START OF EXCAVATION. THIS MAY INCLUDE TEMPORARY EROSION CONTROL MEASURES TO BE INSTALLED UNTIL PERMANENT SEEDING TAKES ROOT.



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Metro Recycling and Transfer Building
 603 N OAKWOOD ST
 NORTH JUDSON, INDIANA 46366
STORM WATER POLLUTION PREVENTION PLAN



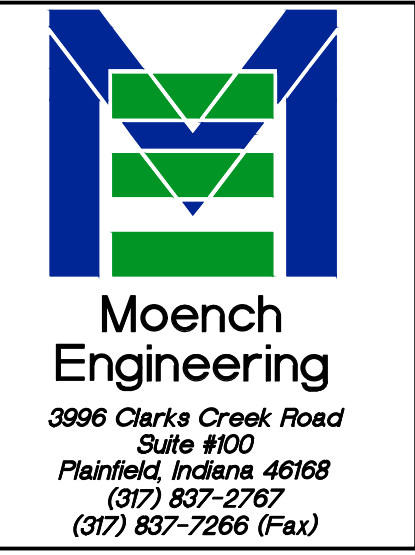
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DRAWN BY:	AEC	
CHECKED BY:	BEM	
PROJECT NUMBER:	15310	
DATE:	09/23/16	
SHEET NUMBER:	C303	

PLEASE NOTE
ADDITIONAL GENERAL EROSION CONTROL NOTES AND SPECIFICATIONS CAN BE FOUND ON THE NOTES SHEET, C001.

SEASONAL SOIL PROTECTION CHART												
STABILIZATION PRACTICE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
PERMANENT SEEDING	A					* / / / / / / / / / / / /						
DORMANT SEEDING	B											B
TEMPORARY SEEDING	C					* / / / / / / / / / / / /						
SOODING	F**					* / / / / / / / / / / / /						
MULCHING	G											

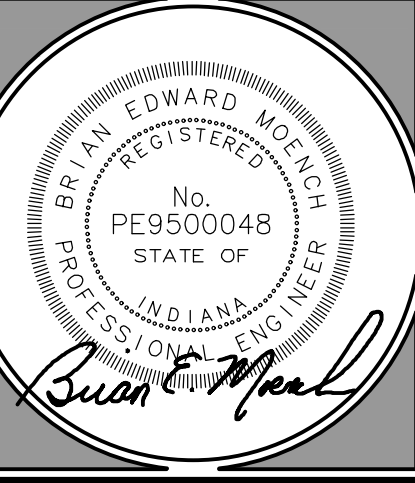
* / / / = IRRIGATION NEEDED DURING JUNE, JULY, AUGUST AND/OR SEPTEMBER
** = IRRIGATION NEEDED FOR 2 WEEKS AFTER SUPPLYING SOIL

STORM WATER POLLUTION PREVENTION PLAN
SCALE: 1" = 60'



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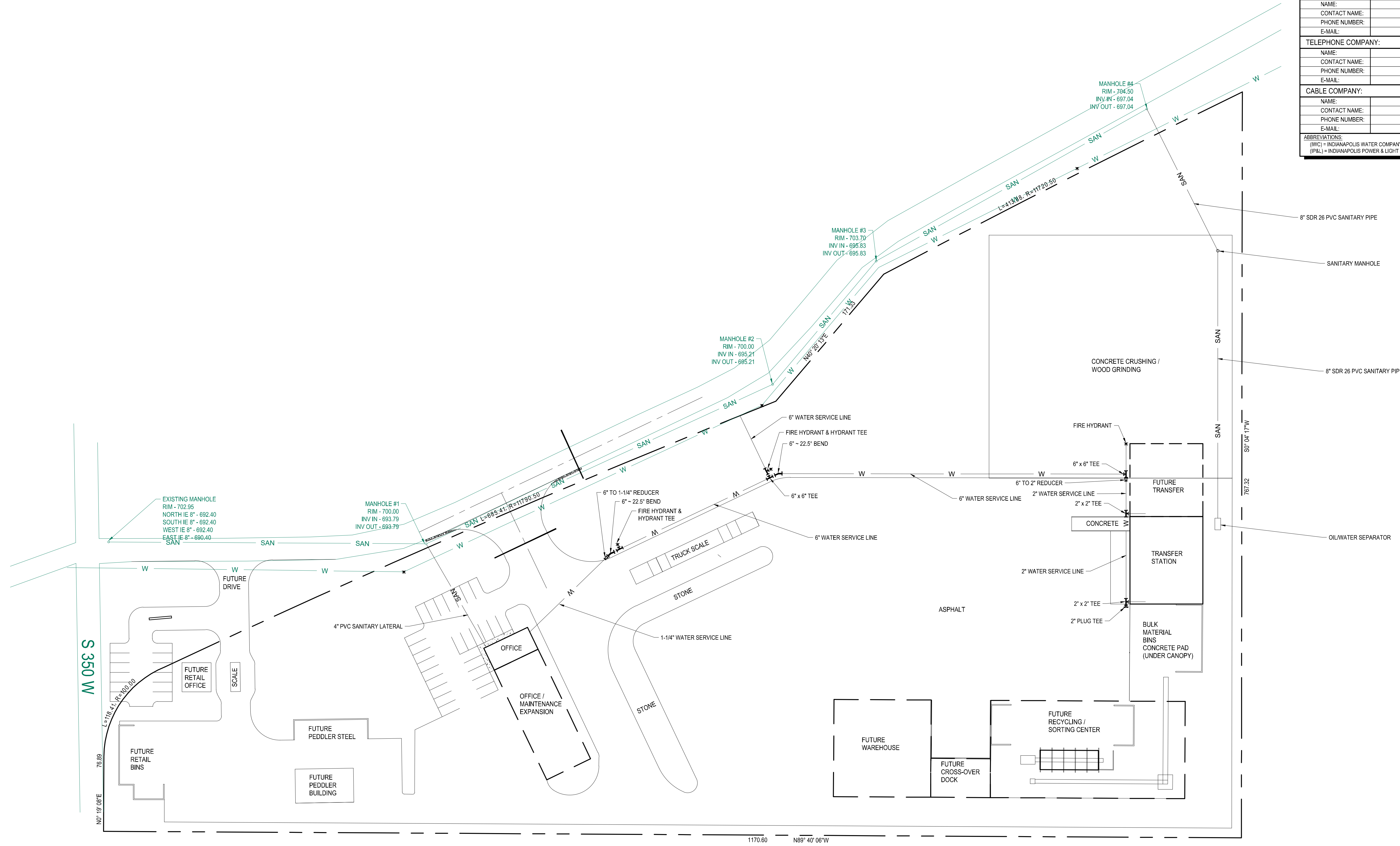
Metro Recycling and Transfer Building
 603 N OAKWOOD ST
 NORTH JUDSON, INDIANA 46366
UTILITY PLAN



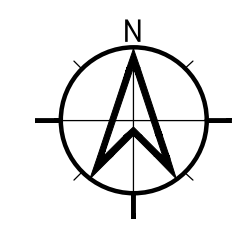
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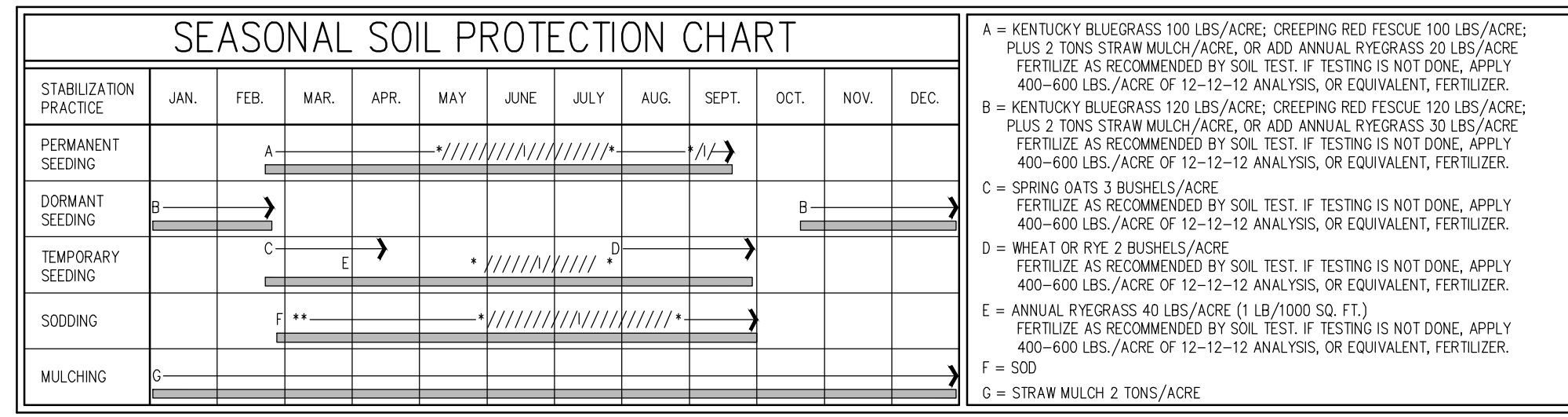
DRAWN BY:	AEC
CHECKED BY:	BEM
PROJECT NUMBER:	15310
DATE:	09/23/16
SHEET NUMBER:	C401

UTILITY CONTACT INFORMATION	
WATER COMPANY:	
NAME:	TOWN OF NORTH JUDSON
CONTACT NAME:	CLERK-TREASURER
PHONE NUMBER:	(574) 896-3340
E-MAIL:	
SANITARY SEWER COMPANY:	
NAME:	TOWN OF NORTH JUDSON
CONTACT NAME:	CLERK-TREASURER
PHONE NUMBER:	574-896-3340
E-MAIL:	
ELECTRIC COMPANY:	
NAME:	NIPSCO
CONTACT NAME:	DIANE THALMANN
PHONE NUMBER:	(219) 647-5134
E-MAIL:	dthalmann@nisource.com
GAS COMPANY:	
NAME:	NIPSCO
CONTACT NAME:	DIANE THALMANN
PHONE NUMBER:	(219) 647-5134
E-MAIL:	dthalmann@nisource.com
TELEPHONE COMPANY:	
NAME:	CENTURY LINK
CONTACT NAME:	JOAN A. LUDWIG
PHONE NUMBER:	(574) 772-5555
E-MAIL:	joan.ludwig@centurylink.com
CABLE COMPANY:	
NAME:	
CONTACT NAME:	
PHONE NUMBER:	
E-MAIL:	
ABBREVIATIONS: (IWC) = INDIANAPOLIS WATER COMPANY (IPL) = INDIANAPOLIS POWER & LIGHT	

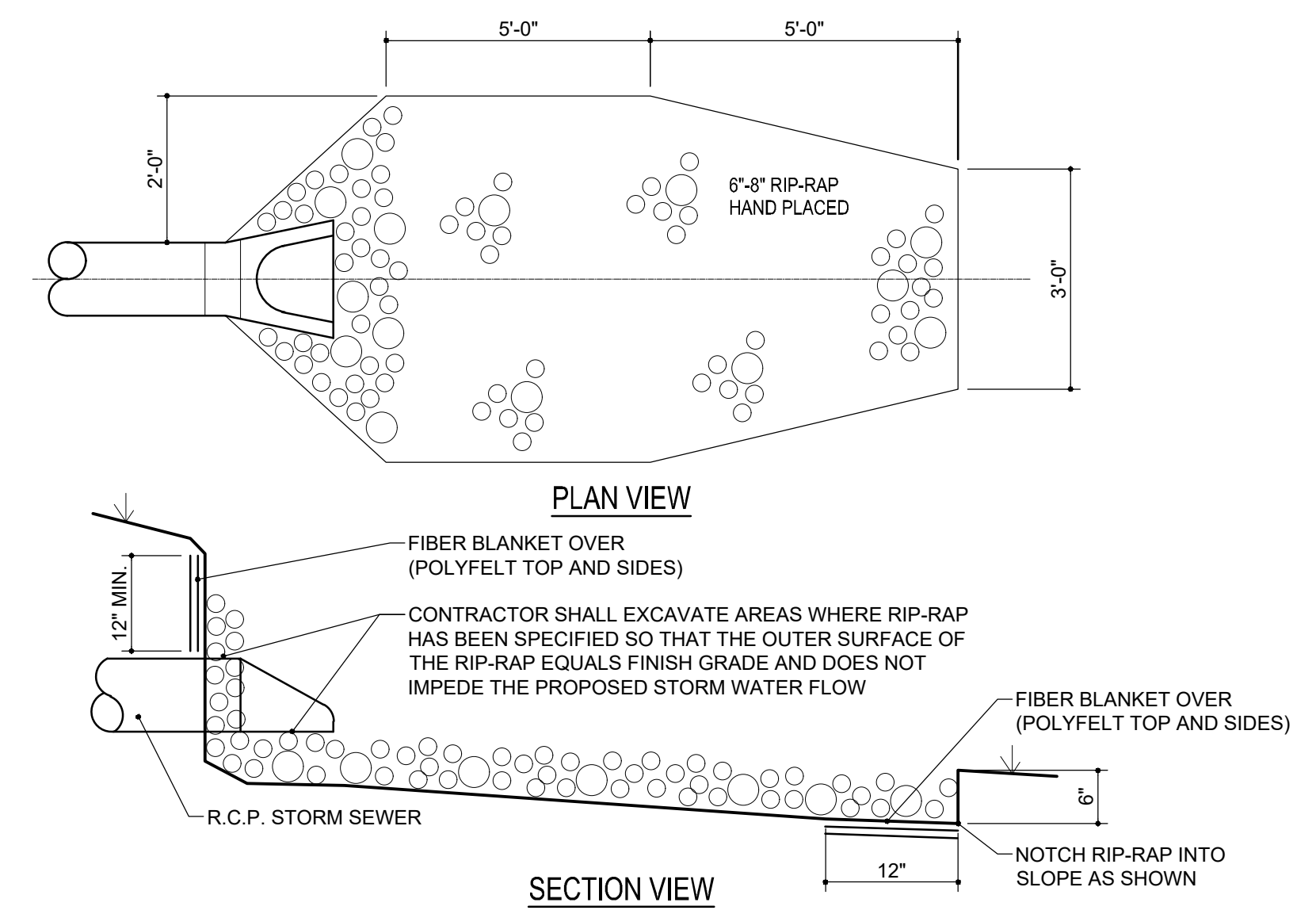


UTILITY PLAN
 SCALE: 1" = 50'





SEED AND MULCHING DETAIL
 1" = 1'-0" 7
C501



RIP-RAP REQUIREMENTS:

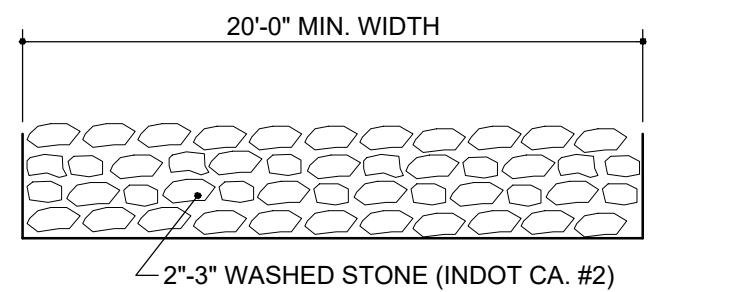
- CONTRIBUTING DRAINAGE AREA: 100 ACRES MAXIMUM.
- CAPACITY: PEAK RUNOFF FROM 10-YR. FREQUENCY, 24-HR. DURATION STORM EVENT.
- APRON: DESIGN DEPENDS ON CHANNEL DEFINITION, BUT IS LONG ENOUGH TO DISSIPATE RUNOFF ENERGY, SET ON ZERO GRADE, STRAIGHT AND ALIGNED WITH THE RECEIVING STREAM. (IF SITE CONDITIONS REQUIRE A CURVE, SET IT NEAR THE UPSTREAM END.)
- FOUNDATION: GEOTEXTILE FABRIC FOR STABILIZATION AND FILTRATION OR WELL-GRADED GRAVEL FILTER LAYER AT LEAST 6 IN. THICK.
- MATERIAL: HARD, ANGULAR, AND HIGHLY WEATHER-RESISTANT RIPRAP STONE OF 6 - 8 INCHES IN SIZE.
- THICKNESS: 12 IN. MINIMUM OR TWO TIMES THE D 50 STONE DIAMETER,WHICHEVER IS GREATER.
- INSTALLATION:**

 - EXCAVATE THE APRON AREA SUBGRADE BELOW DESIGN ELEVATION TO ALLOW FOR THICKNESS OF THE FILTER (OR GRAVEL LAYER) AND THE RIPRAP. (THIS OVER-EXCAVATION GREATLY INCREASES THE AMOUNT OF SPOIL.)
 - COMPACT ANY FILL USED IN THE SUBGRADE TO THE DENSITY OF THE SURROUNDING UNDISTURBED MATERIAL, AND SMOOTH ENOUGH TO PROTECT FABRIC FROM TEARING.
 - PLACE THE GEOTEXTILE FABRIC (OR GRAVEL LAYER) ON THE COMPACTED AND SMOOTHED FOUNDATION. IF MORE THAN ONE FABRIC PIECE IS NEEDED, THE UPSTREAM PIECE SHOULD OVERLAP THE DOWNSTREAM PIECE BY AT LEAST 1 FT.
 - INSTALL THE RIPRAP TO THE LINES AND ELEVATIONS SHOWN IN THE DESIGN. IF THE CHANNEL IS POORLY DEFINED, THE FINAL CROSS-SECTION SHOULD BE LEVEL OR SLIGHTLY DEPRESSED IN THE MIDDLE; IF WELL DEFINED, THE FILTER (OR GROUND LAYER) AND RIPRAP SHOULD EXTEND TO THE TOP OF THE BANK.
 - IF THE GEOTEXTILE FABRIC TEARS WHEN PLACING TH RIPRAP, REPAIR IMMEDIATELY BY LAYING AND STAPLING A PIECE OF FABRIC OVER THE DAMAGE AREA, OVERLAPPING THE UNDAMAGED AREAS BY AT LEAST 12 INCHES.
 - MAKE SURE THE TOP OF THE RIPRAP APRON IS LEVEL WITH OR SLIGHTLY BELOW THE RECEIVING STREAM. (RIPRAP SHOULD NOT RESTRICT THE CHANNEL OR PRODUCE AN OVERFALL.)
 - BLEND THE RIPRAP SMOOTHLY TO THE SURROUNDING GRADE.
 - STABILIZE ALL DISTURBED AREAS IMMEDIATELY FOLLOWING INSTALLATION.

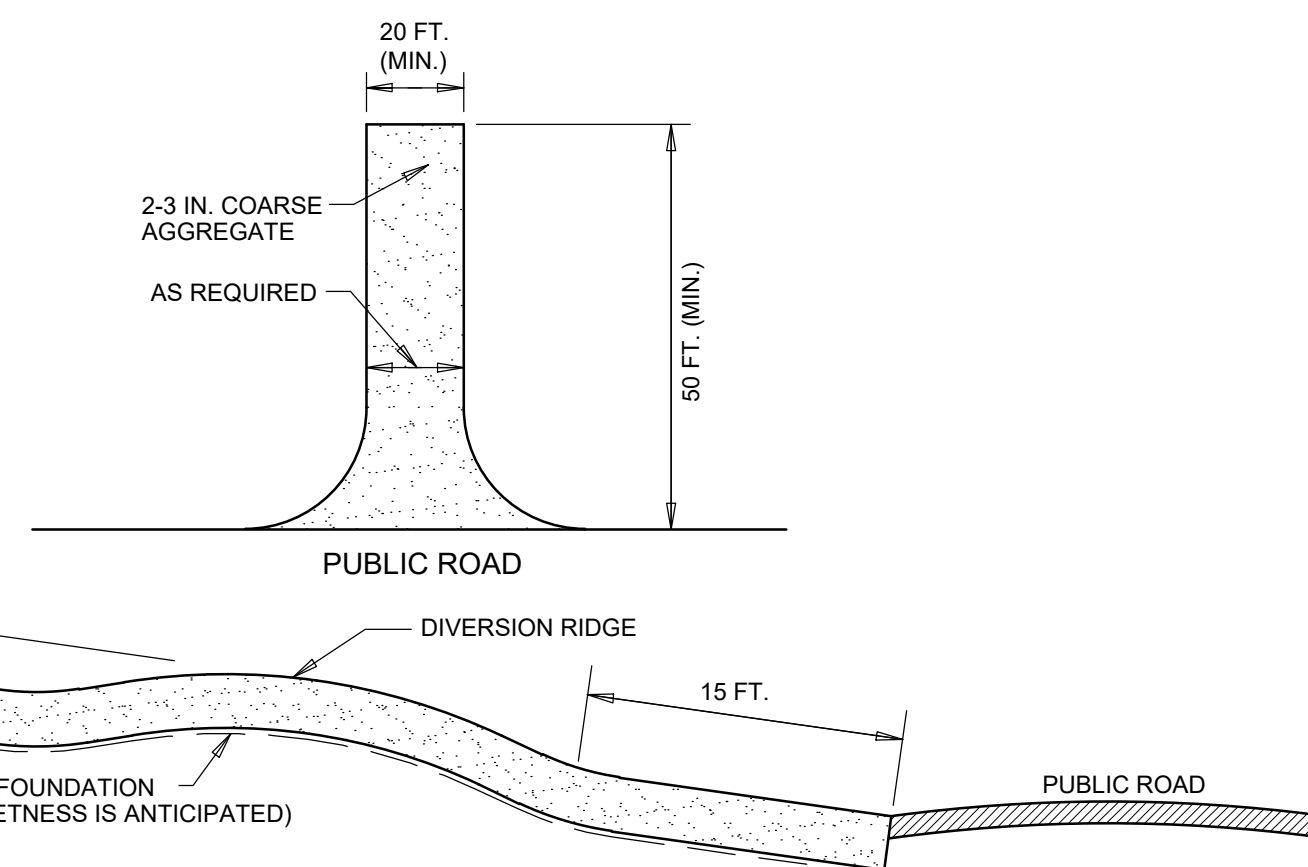
- MAINTENANCE:**
- * INSPECT ROCK CHUTES AFTER STORM EVENTS FOR STONE DISPLACEMENT AND FOR EROSION AT THE SIDES AND ENDS OF THE APRON.
 - * MAKE NEEDED REPAIRS IMMEDIATELY; USE APPROPRIATE SIZE STONE; AND DO NOT PLACE THEM ABOVE FINISHED GRADE.

- COMMON CONCERNS:**
- FOUNDATION NOT EXCAVATED DEEP ENOUGH OR WIDE ENOUGH--RIPRAP RESTRICTS THE FLOW CROSS SECTION, RESULTING IN EROSION AROUND THE APRON AND SCOUR HOLES AT THE OUTLET.
 RIPRAP APRON ON ZERO GRADE--

RIP-RAP DETAIL
 NOT TO SCALE 6
C501



STAGING AREA
 NOT TO SCALE 2
C501



REQUIREMENTS:

- Material: 2-3 in. washed stone (INDOT CA No.2) over a stable foundation.
- Thickness: 6 in. minimum
- Width: 12 ft. minimum or full width of entrance/exit roadway, whichever is greater.
- Length: 50 ft. minimum. The length can be shorter for small sites such as for an individual home.
- Washing facility (optional): Level area with 3 in washed stone minimum or a commercial rack, and waste water diverted to a sediment trap or basin.
- Geotextile fabric underliner: May be used under wet conditions or for soils within a high seasonal water table to provide greater bearing strength.

INSTALLATION:

- Avoid locating on steep slopes or at curves in public roads.
- Remove all vegetation and other objectionable material from the foundation area, and grade and crown for positive drainage.
- If slope towards the road exceeds 2%, construct a 6-8 in.-high water bar (ridge) with 3:1 side slopes across the foundation area about 15 ft. from the entrance to divert runoff away from the road.
- Install pipe under the pad if needed to maintain proper public road drainage.
- If wet conditions are anticipated, place geotextile fabric on the graded foundation to improve stability.
- Place stone to dimensions and grade shown in the erosion control plan, leaving the surface smooth and sloped for drainage.
- Divert all surface runoff and drainage from the stone pad to a sediment trap or basin.

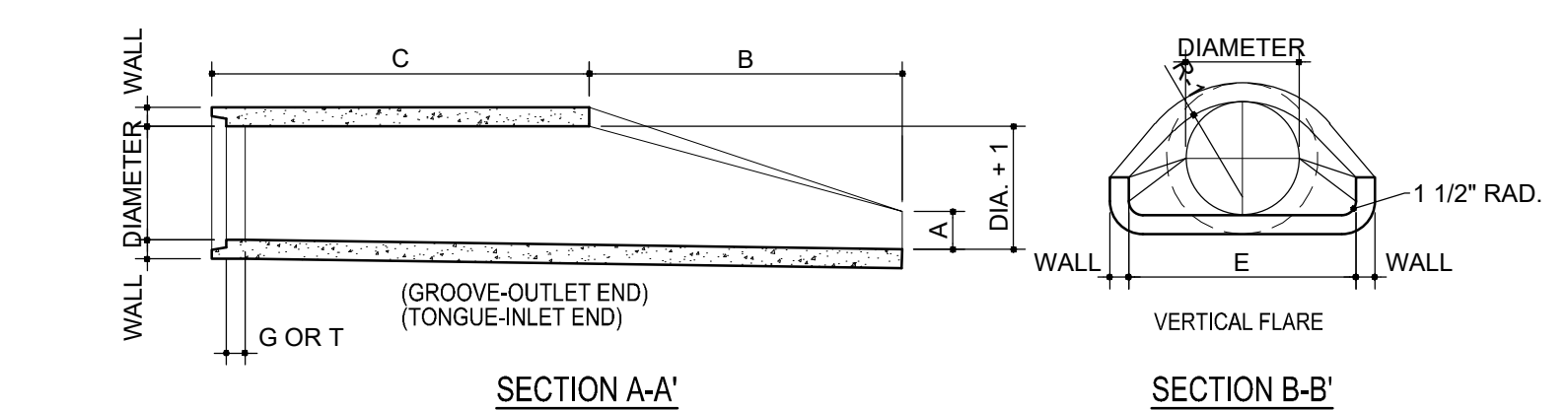
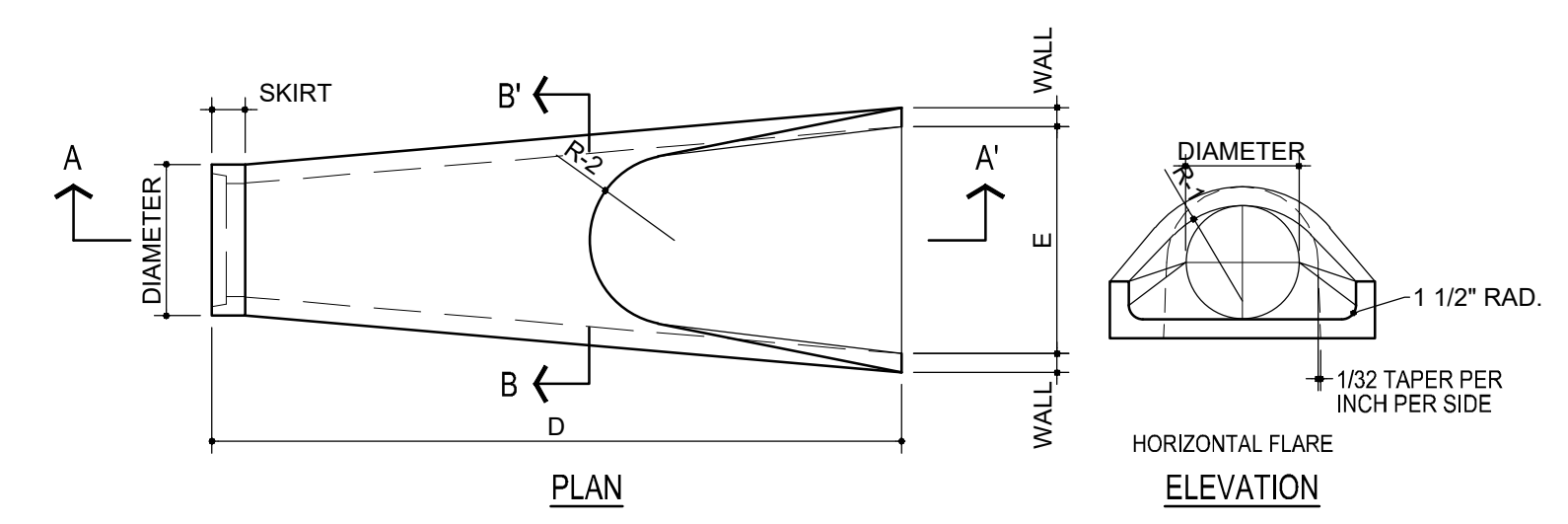
MAINTENANCE:

- * Inspect entrance drive and sediment disposal area weekly and after storm events or heavy use.
- * Reshape pad as needed for drainage and runoff control.
- * Topdress with clean stone as needed.
- * Immediately remove mud and sediment tracked or washed onto public roads by brushing or sweeping. Flushing should only be used if the water is conveyed into a sediment trap or basin.
- * Repair any broken road pavement immediately.

COMMON CONCERNS:

- Inadequate runoff control--results in sediment washing onto road.
 Stone too small, pad too thin, or geotextile fabric absent--results in ruts and a muddy condition as stone is pressed into the soil: add more stone.
 Pad too short for heavy construction traffic--extend the pad beyond the 50-ft. length as needed.
 Pad not flared sufficiently at road entrance--results in mud being tracked onto the road and possible damage to the road edge: widen stone entrance and repair road damage.
 Unstable foundation--use geotextile fabric under th pad and/or improve foundation drainage.

TEMPORARY CONSTRUCTION ENTRANCE
 NOT TO SCALE 5
C501

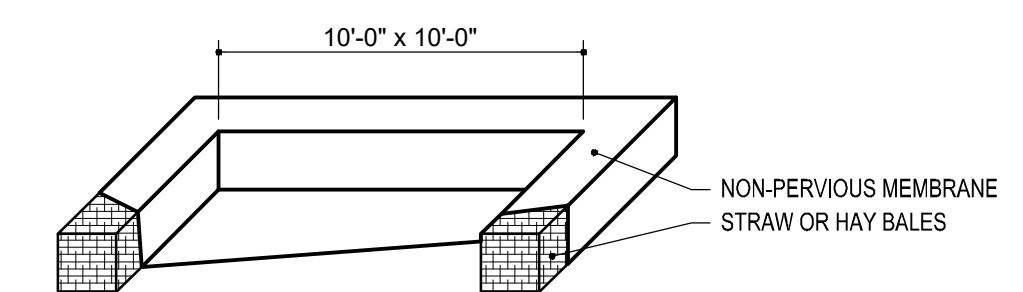


SIZE SCHEDULE

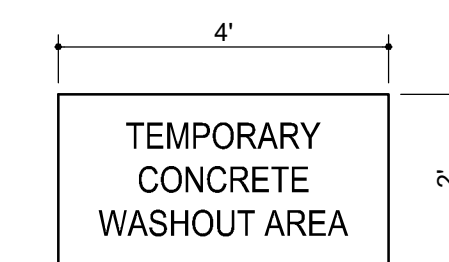
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18	2-8	2-8	990	9	27	46	73	36	19	15-8	12	4
21	2-w	2-4	1280	9	35	38	73	42	22	16-2	13	4
24	3	2-8	1520	9-8	43-8	30	73-8	48	25	16-0	14	4-8

NOTE: MANUFACTURER OF END SECTION IS IN ACCORDANCE WITH APPLICABLE PORTIONS OF A.S.T.M. SPECIFICATION C76.

CONCRETE END SECTION
 NOT TO SCALE 10
C501

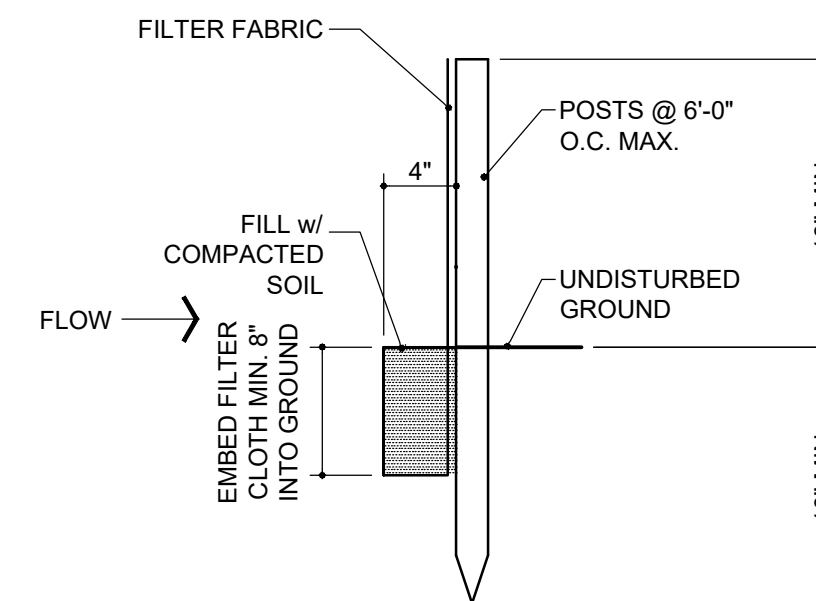


CONCRETE WASHOUT BASIN
 NOT TO SCALE 11
C501



- NOTES:
- SIGN TO BE POSTED THROUGHOUT CONSTRUCTION ACTIVITY.
 - SIGN TO BE MADE OF SEMI-PERMANENT MATERIAL, I.E. WOOD.

CONCRETE WASHOUT SIGN
 NOT TO SCALE 12
C501



NOTE:
 PREFABRICATED SILT FENCE WILL BE ACCEPTABLE, AS LONG AS THE STAKES ARE DRIVEN A MINIMUM OF 16" INTO GROUND.

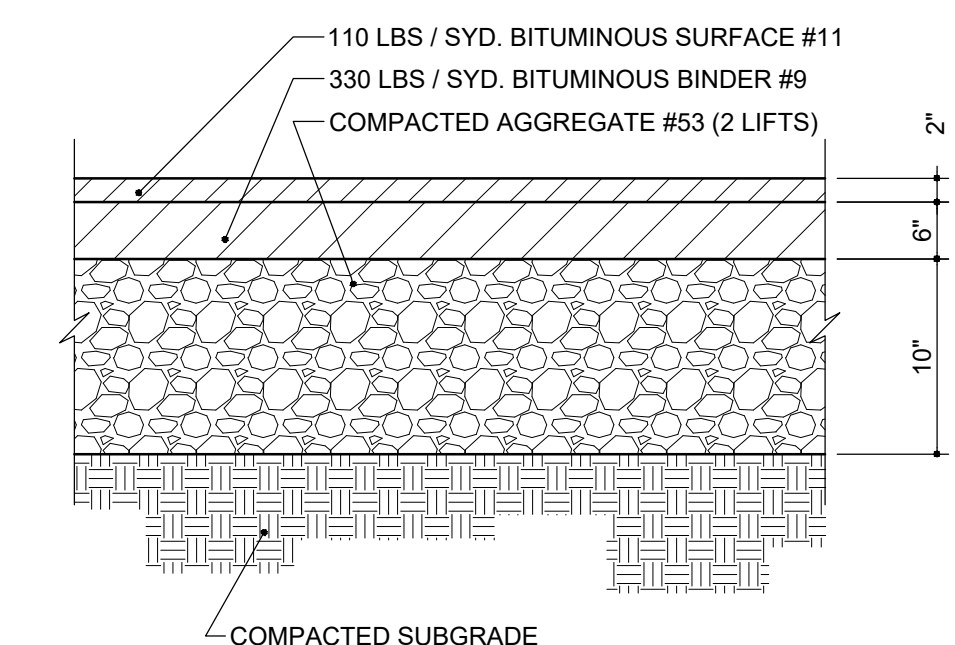
INSTALLATION OF SILT FENCE:

- SITE PREPARATION:**
- PLAN FOR THE FENCE TO BE AT LEAST 10 FEET FROM THE TOE OF THE SLOPE TO PROVIDE A SEDIMENT STORAGE AREA.
 - PROVIDE ACCESS TO THE AREA IF SEDIMENT CLEANOUT WILL BE NEEDED.

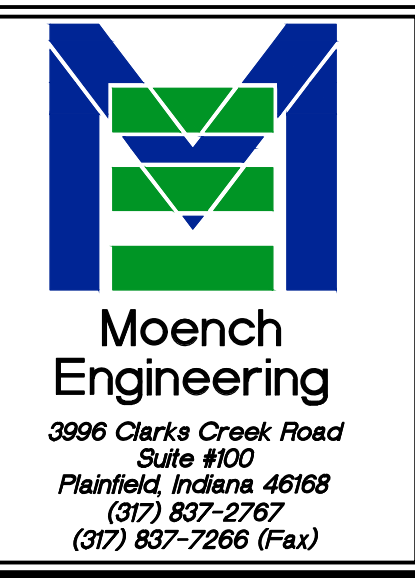
MAINTENANCE:

- INSPECT THE SILT FENCE PERIODICALLY AND AFTER EACH STORM EVENT.
- IF FENCE FABRIC TEARS, STARTS TO DECOMPOSE, OR IN ANY WAY BECOMES INEFFECTIVE, REPLACE THE AFFECTED PORTION IMMEDIATELY.
- REMOVE DEPOSITED SEDIMENT WHEN IT REACHES HALF THE HEIGHT OF THE SILT FENCE AS ITS LOWEST POINT OR IS CAUSING THE FABRIC TO BULGE.
- TAKE CARE TO AVOID UNDERMINING THE FENCE DURING CLEAN OUT.
- AFTER THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED, REMOVE THE FENCE AND SEDIMENT DEPOSITS, BRING THE DISTURBED AREA TO GRADE AND STABILIZE.

SILT FENCE DETAIL
 NOT TO SCALE 15
C501



ASPHALT SECTION
 NOT TO SCALE 1
C501



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Metro Recycling and Transfer Building
603 N OAKWOOD ST
NORTH JUDSON, INDIANA 46366
SECTIONS AND DETAILS

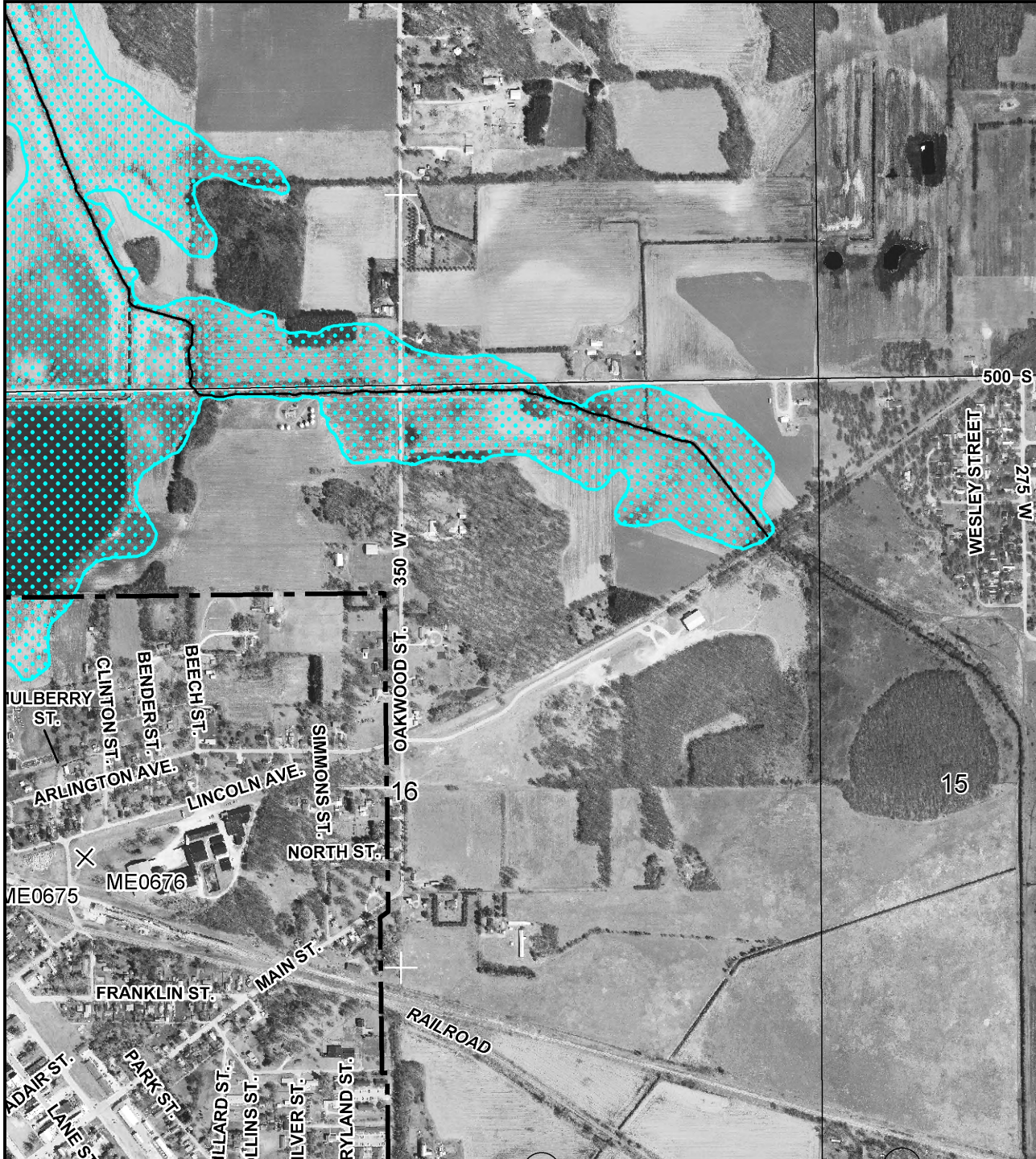


REVISIONS:

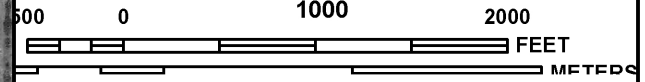
NO.	ISSUED FOR IDEM	DATE
0		09/23/16

DRAWN BY: AEC
 CHECKED BY: BEM
 PROJECT NUMBER: 15310
 DATE: 09/23/16
 SHEET NUMBER:

C501



MAP SCALE 1" = 1000'



NIP
NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0235C

FIRM
FLOOD INSURANCE RATE MAP
STARKE COUNTY,
INDIANA
AND INCORPORATED AREAS

PANEL 235 OF 325
 (SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
NORTH JUDSON, TOWN OF	180553	0235	C
STARKE COUNTY	180240	0235	C

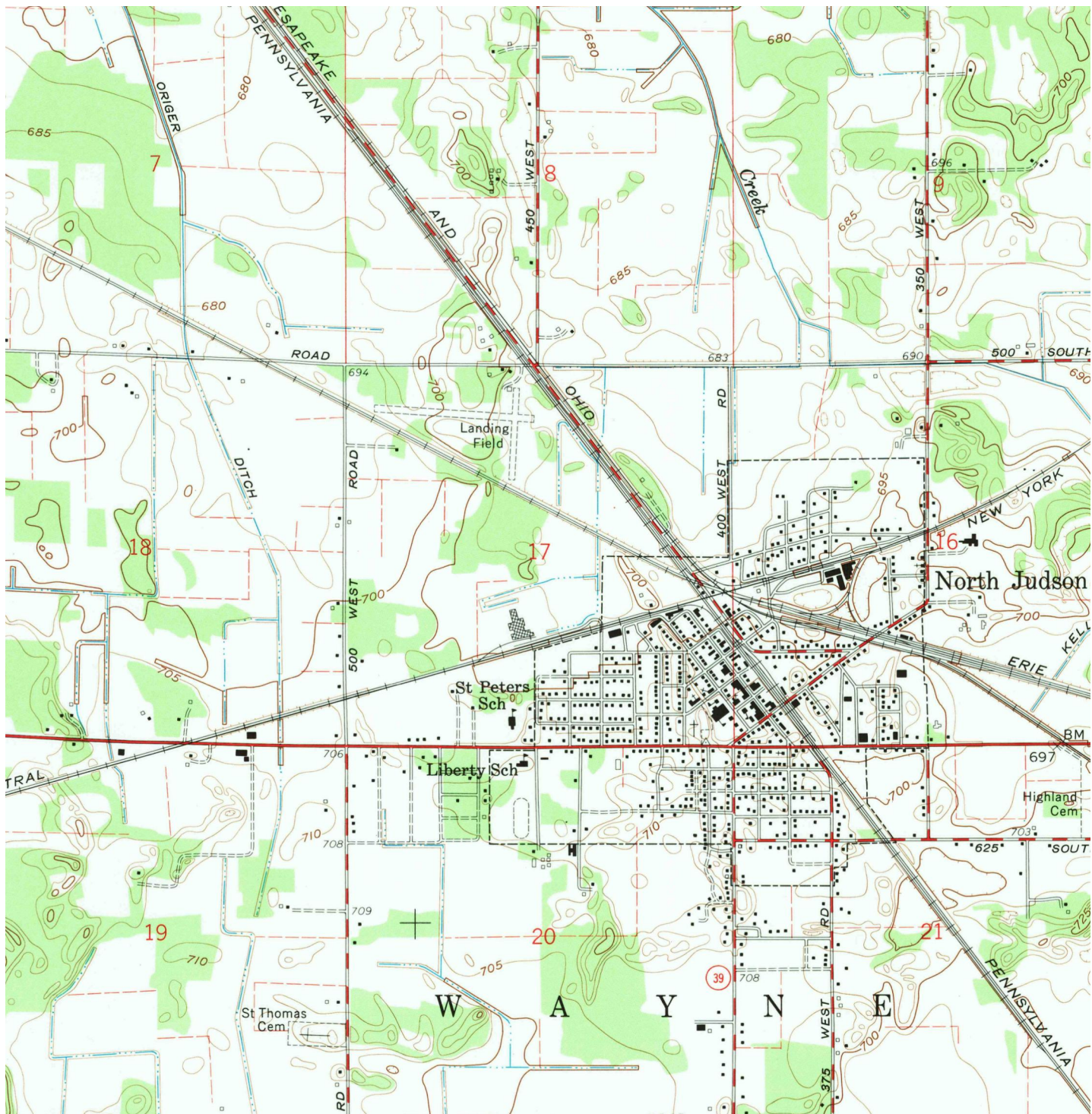
Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.



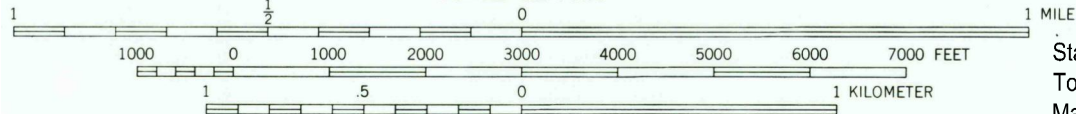
MAP NUMBER
18149C0235C
EFFECTIVE DATE
JUNE 16, 2014

Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov



SCALE 1:24 000



CONTOUR INTERVAL 5 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

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State: Indiana
 Topo Map Source: USGS
 Map Source Year: 1959
 PLSS Township: T32.0N, R3.0W
 PLSS Section: 16

METRO RECYCLING
 603 N. OAKWOOD ST.
 NORTH JUDSON, IN 46366

SITE LOCATION MAP

Drawn By:
AEC
 Checked By:
BEM
 Project No.
15310
 Date:
04/29/16



3896 Clark Creek Road
 Suite #100
 Plainfield, Indiana 46168
 Phone (317) 837-2767
 Fax (317) 837-7288

Sheet Number:
APP-A

OPERATIONS PLAN

Metro Recycling and Transfer North Judson, Starke County, Indiana

Indiana Department of Environmental Management

Solid Waste Facility Permit

Revision 0, September 23, 2016

Prepared By:

Moench Engineering
3996 Clarks Creek Road, Suite 100
Plainfield, IN 46168
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bmoench@moen Cheng.com

Property Owner:

Bluebird Investment, LLC.
P.O. Box 229
Griffith, IN 46319

Metro Recycling and Transfer Operations Plan

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Metro Recycling and Transfer

1.0 INTRODUCTION

Metro Recycling and Transfer is a permitted facility having been issued an Indiana Department of Environmental Management (IDEM) solid waste facility permit. The facility is permitted to operate by Solid Waste Processing Regulations of 329 IAC 11. The following operations plan is a requirement of 329 IAC 11-9-2(j). The facility accepts municipal solid waste and construction/demolition debris. The facility is located at 603 North Oakwood Street, North Judson, Indiana, 46366. The service area is primarily Starke County and parts of adjacent counties. The population in these areas is nearly 195,000 people.

Operation hours of the facility are 12:00 a.m. to 10:00 p.m. Monday through Friday and 4:00 a.m. to 2:00 p.m. on Saturday for the primary users of the facility. Hours of material receipt from individuals will be limited to the hours of 7:00 a.m. to 6:00 p.m. Monday through Friday and 7:00 a.m. to 2:00 p.m. on Saturday. The facility will be closed on Sundays and all major observed holidays. The hours specified above represent the daily time period the site entrance is open and receiving waste unless authorized differently as allowed by IDEM. A sign, described in Appendix A, showing these hours along with the tipping fee and the prohibited wastes, is placed near the entrance of the facility.

2.0 FACILITY

Metro Recycling and Transfer is an enclosed building with a concrete tipping floor and concrete push walls. The upper wall section and roof are pre-engineered metal frame with metal siding. The material will be received through three main overhead doors, sorted on the tipping floor and then loaded into transfer trailers via a recessed truck bay/dock. The total volume available for waste processing is 47,438 cubic feet with a daily inbound volume of 200 tons. The normal daily activities will utilize approximately 68% (32,389 cubic feet) of the available volume. At the five year projected growth, the facility is expected to average 275 tons per day which is 94% (44,534 cubic feet). If by result of off-site disposal limitations needs to hold material for 24 hours, there is sufficient capacity to accommodate initially.

The facility is part of an overall site operated by Metro Recycling and Transfer including their regional corporate office, maintenance facility, and a future recycling facility. The site is entirely fenced with controlled access through manual gates. There is a proposed above grade truck scale to weigh inbound and outbound material. The site will utilize concrete access drives and open areas (for turning movements and exterior parking). Access to the transfer station will be by a local plated street. The maintenance of this road is the responsibility of the industrial park landowners. The entire site is 11.68 acres and will be part of the facility.

There are no internal offices proposed in the facility as the regional corporate office serves this role providing the necessary employee support (bathrooms, break areas, etc.).

3.0 WASTE TYPE, SOURCE AND QUANTITY

The waste stream received at this facility is municipal solid waste and construction/demolition debris. This material is received by rear load, front load, and roll-off trucks. Material is received from individuals that have similar waste properly transported and handled. These waste streams are from existing and future collection routes within the geographical area as well as other sources of individual waste streams. It is anticipated the facility will process up to 2200

tons monthly at start-up. The Waste Flow Diagram in Appendix B portrays the processing of the waste and recyclables through the facility.

4.0 HANDLING AND STORAGE

The waste received will be unloaded on the concrete tipping floor and sorted for recyclable materials. The recycled materials will be placed in bins on the tipping floor and transported to market until an onsite recycling facility can be constructed. The remaining material is loaded into open-top transfer trailers and/or roll off boxes and then transported to the landfill. No material will be stored in the facility for longer than a 24-hour business period. The flow of wastes and recyclables through the facility is portrayed on a waste flow diagram included in Appendix B of this plan.

5.0 WASTE MONITORING, ACCEPTANCE, AND PROCESSING

There are trained personnel inspecting the incoming loads to determine compatibility with the operations and use of the facility. Any sampling and/or testing will have visual inspection of the incoming loads by the trained personnel. Any loads rejected are not allowed to unload and will be directed to be removed from the property in the same manner as brought to the facility. If the incoming loads are deemed acceptable, then unloading onto the tipping floor is allowed. The waste streams is then sorted for recyclables and placed into open-top transfer trailers. The transfer trailers transport the waste to the final approved disposal site. The recyclables are loaded into hoppers on the floor and once full, moved to a third-party recycling center until an onsite recycling facility can be constructed.

6.0 SCREENING AND MANAGEMENT OF WASTE

The following procedures screen and manage prohibited waste.

6.1 SCREENING AND IDENTIFICATION

The transfer station does **not** accept, according to 329 IAC 11-13.5-13(b), the following:

- Solid waste prohibited by the facility permit
- Liquid waste as defined in 329 IAC 11-2-20.4
- Hazardous waste except CESQG hazardous waste
- Infectious waste except as provided in the rules of the State Department of Health at 410 IAC 1-3-26, 392 IAC 11-13.5-15, and IC 13-11-23.5 (2)(6)
- Whole waste tires
- Lead-acid batteries prohibited by IC 13-20-16
- Vegetative matter including yard waste and debris
- Waste or material containing PCBs, asbestos, etc.
- RACM that is not managed in accordance with the rules of the air pollution control board
- Appliances or motor vehicle air conditioners containing refrigerant or other Class I or Class II substance that has not been removed
- Bio-solids
- Wastewater liquids
- More than two hundred twenty (220) pounds of pollution control waste in a shipment that is not enclosed in non-leaking containers.

Events in which non acceptable hazardous waste or infection wastes are found to be received, are recorded in a format established by IDEM. These records are maintained on site for one (1) year from the date of occurrence for available review by IDEM

personnel and included in the annual report. A summary of the load inspections, rejected loads encountered and ongoing personnel training are kept in the regional office for review at all times. The summaries include at a minimum the date and time of inspection, the name of the source and hauler of waste, and any other observations made by the trained inspector. These summaries are placed in the operating record for review.

6.2 MANAGEMENT OF PROHIBITED WASTES

Prohibited waste is not limited to asbestos, PCB, hazardous materials or infectious waste. All types of prohibited wastes and how they are to be handled are listed below.

Asbestos

Asbestos may be included in floor tile, adhesive, linoleum, ceiling tiles, pipe insulation, fireproofing, plasters, and spray applied ceiling tile. These materials may typically be found in the construction/demolition (C/D) debris received. If these types of materials are encountered, then the materials will be separated from the other waste stream and stored for proper disposal. Proper care will be taken to prevent the material from becoming friable and potentially discharging into the open atmosphere.

PCBs

Transformers, capacitors, fluorescent light ballasts, and white goods may be a source of PCBs. Care will be taken to prevent the unloading of such products at the facility. However, if such materials are encountered, they will be promptly re-loaded into the original source for proper disposal off site by the transporting third party. If the original source or provider is no longer on site, the PCBs will be contained in a controlled and secured environment until proper disposal personnel can be notified for their removal from the facility.

Hazardous Wastes

Flammable and hazardous wastes as regulated by 329 IAC 3.1 are strictly refused. Also, containers that are potentially explosive or flammable in nature such as gas cans, drums or other closed containers are strictly refused. If these items are undetected and a potential emergency situation may arise, the emergency response plan and/or the Starke County Emergency Response Plan may be enacted to prevent escalation of the situation.

Lead-Acid Batteries

Lead-acid batteries will be separated from the waste streams and stored in the maintenance building until being sent to a battery recycling facility.

White Goods

White goods typically consist of the following items: refrigerators, ranges, water heaters, freezers, air conditioners, humidifiers, clothes dryers and other large appliances. Prior to receiving these types of items, the trained personnel will inspect to confirm the white goods have been properly prepared for disposal, i.e. removal of refrigerants, PCB containing ballasts, etc. Once confirmed, the white goods will be separated from the

other wastes and placed in roll-off containers for transport to a local metal recycling facility.

Tires

Any tires received are placed together in a roll-off container and sent for recycling under a contractual agreement with a third-party vendor.

Treated Infectious Waste Identification

If treated infectious waste as defined by 329 IAC 11-2-18 is discovered, the waste source is asked to manage and dispose of the waste in the proper manner. If the waste source is unknown, the local authorities including the Starke County Board of Health will be notified for direction of proper disposal.

7.0 OPERATIONAL PROCEDURES

Construction/demolition debris and municipal solid waste is limited to the processing area, i.e. tipping floor. The facility and adjacent yard areas are cleaned and free of litter. The following measures are used to control any potential nuisances as required by 329 IAC 11-9-2 (j)(7) and 329 IAC 11-13.5-7.

Dust Control

All site entrances and driveways accessing and surrounding the facility are of impervious surfaces, primarily asphalt and concrete. Dust control is by water suppression as well as by approved additives to the surface such as soybean oil, etc.

Odors and Vector Control

Daily cleaning of the facility minimizes odors and vectors. The facility is regularly inspected by trained personnel for odors, rodents, insects, birds, etc. If required, the facility is hosed with water to wash odor smells away. Also, third party exterminators are used to eliminate any rodents, insects, etc. It is anticipated wastes will be removed from the property within 24 business hours.

Litter Control

The municipal waste material is unloaded in an enclosed structure and properly contained until processed. Overhead garage doors are installed so the building is closed entirely with no potential litter scattering during hours of non-operation. Also, the adjacent yard area is routinely inspected to collect any litter or debris that may have been carried from within the building.

Bulky Waste

White good items (as described in Section 6.2 above) are staged until proper transport to a metal recycling center. Other bulky materials such as furniture, carpet, lumber are properly disposed of with the other waste streams to a final disposal facility.

Liquid Waste

The residual water resulting from the tipping of incoming materials is collected by an underground floor drain conveyance system. Floor slopes direct the residual water to the collection points. The tipping floor is sloped at 1% from the high ridge in the floor (located 10 feet from the overhead doors) to drain in the rear left corner of the tipping floor (opposite rear corner from the recessed loading floor). There are also floor drains located between each overhead door to retain residual moisture from leaving the tipping floor, with the area immediately in front of the doors “dish bowled” to the drain centered on the door. In the loading recessed floor area, the floor is sloped at 1% from the rear bay toward the door into a collection sump. There is also trench drain to collect residual storm water runoff on the concrete ramp at the overhead door exterior keeping such from entering the building. These drains are collected into sumps and connected by under slab pipes. The underground pipe system conveys water by gravity to a sump pit and then pumped to an oil/water separator prior to gravity discharge to municipal sanitary system. This oil/water separator is visually monitored for solids/oils level and maintained as needed by a certified disposal company. The same underground pipe/sump network also collects any wash water from cleaning the facility. The oil/water separator is inspected monthly for proper operation and cleaning.

Noise Control

Noise is controlled by using low decibel mobile equipment to move/load the material once it is received. Also, the majority of the tipping and loading of material is within the facility minimizing the exterior noise levels.

8.0 DAILY CLEANUP PROCEDURES

At the close of operations each day, the facility open areas are swept and debris gathered into piles on the tipping floor. Also, the recessed truck dock is cleaned of any debris that may have been spilled from the loading activities. Lastly, an inspection of the surrounding yard area is completed and any litter collected.

9.0 FINAL DISPOSAL FACILITIES

The construction/demolition debris and municipal solid waste is properly transported to the following final disposal facilities: Liberty Landfill (Monticello, IN), Advance Disposal (Claypool, IN) and Waste Management (Three Oaks, MI). Final disposal location is dependent on current business agreements.

10.0 CONTINGENCY ACTION PLAN

The total volume available for waste processing is approximately 45,600 cubic feet with a daily inbound volume of two hundred (200) tons daily. The normal daily activities will utilize approximately 71% (32,389 cubic feet) of the available volume. At the five year projected growth, the facility is expected to average 275 tons per day which is 98% (44,534 cubic feet). If the facility will be unable to receive or process solid waste in accordance with the approved operating plan for more than 24 hours, the incoming waste is directed to another waste processing facility or a final disposal site.

11.0 SANITARY TOILET FACILITIES

Sanitary toilet facilities for employees are located in the regional office on the site.

12.0 REPORTING

Records and reports of solid waste received, processed, stored and transported are required to be kept, maintained, and copies provided to IDEM. The requirement of records and reports with the respective rule will be as follows:

329 IAC 11-1-3 – Reporting

All records of monitoring information and related activities are to be retained for three (3) years.

329 IAC 11-13.5-9 – Records and Reports

Records must be furnished upon request to representatives of IDEM during normal operating hours. These records will include results from testing of residues generated by the facility per 329 IAC 11-14 and 329 IAC 11-15. The records and reports of testing will be kept until certification of post closure.

329 IAC 11-13.5-13 – Monitoring

Monitoring of incoming waste is provided by continuous overview or by random detailed inspections. The monitoring by a minimum of two random daily inspections must be recorded. Discovery of non-acceptable waste found in all inspections would be reported in the annual report. This report is due January 31 of the following year.

329 IAC 11-13.5-17 – Reporting (Inspection)

Records of inspections that determined unacceptable waste include the name, address, and permit number of the facility, the date of the event, the type of waste found, how it was handled, final disposition, and the name and address of the generator of the waste. These records are submitted in an annual report to IDEM by January 31 of the next year.

329 IAC 11-14-1 – Reporting (Quarterly Reports)

A quarterly tonnage report of municipal solid waste and construction/demolition debris received must be submitted to the IDEM Commissioner on or before the fifteenth day of the month following the end of the calendar quarter being reported. The report must include the weight compiled by waste type and county of origin and the type, weight, and final destination of the disposal and the recycling or reuse.

329 IAC 11-15 - Transportation Manifest

A transportation manifest will be provided with shipments of construction/demolition debris and municipal solid waste from the facility to the final disposal site.

13.0 SAFETY

Regular safety inspections of the facility, adjacent yard and equipment are completed by the trained personnel and/or the facility general manager. Fire extinguishers are near the processing floor within the facility as well as on the equipment being used. Communication service is by two-way radio or operator cellular telephone to provide direct communication with local fire, police, medical, hazardous waste response, IDEM emergency response, and other emergency services.

14.0 TRAINING

Employees are trained to recognize the visual indications of the presence of non-acceptable waste.

15.0 CLOSURE AND POST CLOSURE

In the event the facility permanently ceases operation, final closure of the facility will be initiated within seventy-two (72) hours after receiving the final waste. The facility owner will notify IDEM at least fifteen (15) days prior to the intended date of the closure of the facility. The following closure activities would be performed at the facility during the final closure:

1. All affected parties would be notified the facility has closed. A sign will be posted at the facility entrance referencing the nearest landfill or another facility that may receive and process the waste streams.
2. All construction/demolition debris and municipal solid waste on the tipping floor will be loaded and transported to the approved final disposal site. All storage containers, bins, etc. will be cleaned and removed from the facility. Also, recyclables will be removed from the facility and properly processed in the adjacent recycling facility or sold directly as is.
3. Final inspection of the facility and surrounding yard will be conducted. Any residual or litter collected will be properly disposed.
4. A cost estimate to close the facility and maintain the facility during the post-closure period is included in Section 11 of the application. Included in this estimate are, items 1, 2, and 3 above and all applicable in 329 IAC 11-16-2 and 11-16-3.

The permittee would submit to IDEM a certification signed by the permittee specifically identifying the closed facility and documents that the closure was performed in accordance with the above listed requirements. The certification would also include a contact person with an address and telephone number for the facility during the post closure period.

Following completion of closure activities, the site would perform post-closure duties for one (1) year that includes semiannual inspections. Written inspection reports on the condition of the facility will be submitted to IDEM within thirty (30) days of an inspection.

The financial assurance would be maintained until the end of the post-closure period.

16.0 FINANCIAL ASSURANCE

Financial responsibility is established for the costs of closure and post closure monitoring and maintenance of the transfer station. The area permitted for waste processing is 8.04 acres. The financial responsibility will be a minimum of \$4,000 per acre or part of an acre. Since this amount is greater than the cost estimate, the total final assurance to be granted is \$32,160.00 based on 8.04 acres.

17.0 EMERGENCY RESPONSE PLAN

This plan consists of Emergency Response Plan signage shown in Appendix C. This sign is posted at the entrance to the facility. The plan narrative is in Appendix D. The narrative consists of initial response/notification and responses to fire, spills and leaks, and chemical releases.

**Appendix A – OPERATIONAL SIGNAGE
(Posted at Entrance Gate)**

**Metro Recycling and Transfer
Municipal Solid Waste and Construction/Demolition Debris
Transfer Station**

**603 North Oakwood Street
North Judson, Indiana 46534
Phone: 219-922-1830
IDEM Permit Number: XXXX**

Hours for General Public: 7am to 6pm,
Saturday 7am to 2pm

Tipping Fee: \$52.00 per ton

Prohibited Materials: Asbestos
PCBs
Hazardous Wastes
Lead-acid Batteries
White Goods (Unprepped)
Tires
Infectious Wastes / Biomedical Wastes

In the event of a spill or a release of toxic materials being of vapors from liquefied gasses or liquid spills, fires that may release toxic and/or corrosive gasses from containers and cylinders, and solid materials that may be hazardous to the respiratory system and the environment:

Call 911 Emergency and Medical Services

Evacuate all personnel within 360 degrees

**IDEM Emergency Response: 888-233-7745
(IDEM Permit Number xxxx)**

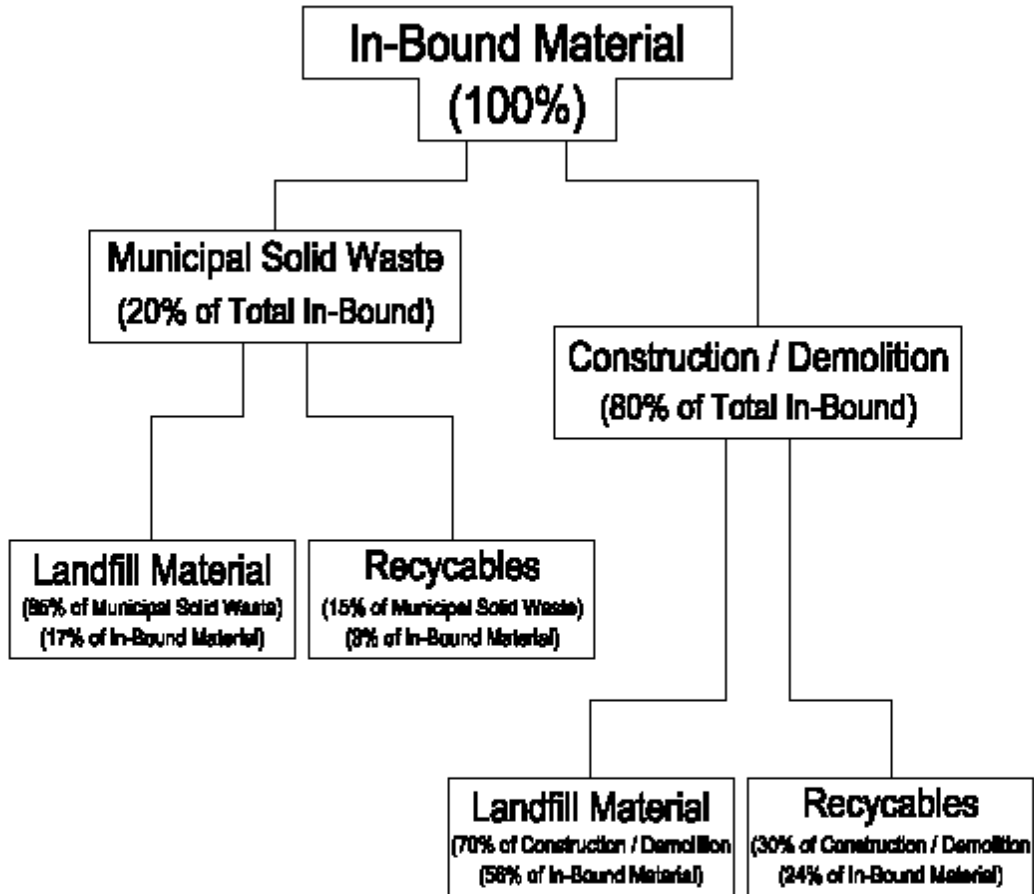
National Response Center: 800-424-8802

**Starke County Director of Homeland Security – Ted Bombagetti
Office: 574-772-9182**

Metro Recycling and Transfer – Steve Dykstra
Office: 219-922-1830


APPENDIX B – WASTE FLOW DIAGRAM

Waste Flow Diagram



(By Volume)

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METRO RECYCLING 603 N. OAKWOOD ST. NORTH JUDSON, IN 46366	Drawn By REC Checked By SEM Project No. 8730 Date 6/26/16		1000 North Grand Blvd Suite 200 Franklin, Indiana 46040 Phone 317.452.6267 Fax 317.452.7000
WASTE FLOW DIAGRAM			Sheet Number: WFD

APPENDIX C – EMERGENCY RESPONSE PLAN
(Posted at Office and Floor)

**Emergency Response Plan
Metro Recycling and Transfer
Municipal Solid Waste and Construction/Demolition Debris
Transfer Station**

603 North Oakwood Street
North Judson, Indiana 46534
Phone: 219-922-1830

IDEM Permit Number: xxxx

Hours of Operation: Monday thru Friday 7 am to 6 pm,
Saturday 7 am to 2 pm
Tipping Fee: \$52.00/Ton

In the event of a spill or a release of toxic materials being of vapors from liquefied gasses or liquid spills, fires that may release toxic and/or corrosive gasses from containers and cylinders, and solid materials that may be hazardous to the respiratory system and the environment.

Call 911 Emergency and Medical Services

Evacuate all personnel within 360 degrees

**IDEM Emergency Response: 888-233-7745
(IDEM Permit Number **xxxx**)**

National Response Center: 800-424-8802

**Starke County Director of Homeland Security –
Ted Bombagetti
Office: 574-772-9182**

**Metro Recycling and Transfer – Mike Gentry
219-712-0057**

APPENDIX D – EMERGENCY RESPONSE PLAN

EMERGENCY RESPONSE PLAN

Emergency Notification Procedure

A written Emergency Response Plan is required by 329 IAC 11-13.5-7 (f) and defined by 329 IAC 11-2-10.1. The following plan describes responses, procedures and guides should a fire, spill and/or contaminant release occur at the Metro Recycling and Transfer facility. In the event of an emergency, telephone call(s) should be made to primary numbers on the cover of this plan and/or those listed below.

<u>Agency/Facility Name</u>	<u>Telephone Number</u>
Ambulance	911 or 574-772-5914
Fire Department	911 or 574-896-2712
Police Department	911 or 574-772-5914
Sheriff Department	911 or 574-772-3771
IDEM Environmental Emergency	888-233-7745
US EPA Response Center	800-424-8802
Poison Control Center	800-382-9027
Center for Disease Control	404-488-4100

Responses to some emergencies are described in Section 17 of the Operating Plan for the transfer station.

FIRE

A safe attempt may be made to suppress a small fire with readily available fire extinguishers. All facility personnel and customers should move to a safe area away from the event. The fire department should be contacted for a serious fire or an explosion. The call to the Dispatcher should include the name of reporting person and location the location of the event, materials in the fire, and if medical aid is needed. In lieu of an Emergency Response Coordinator, the Station Manager should coordinate the response and cleanup.

SPILLS AND LEAKS

Locate and identify the source and stop the flow if it can be done safely. Report a minor event to the facility general manager and contain the spill with containment supplies. Call appropriate personnel and/or agency to report a significant and/or hazardous material spill. Call the IDEM Environmental Emergency hotline at 1-888-233-7745. Isolate the area from incoming traffic and personnel. Hazardous Materials (HAZMAT) responders may be needed to contain and clean up the spill and repair the leak.

CHEMICAL RELEASES

Proper procedures for chemical releases will be part of the employee training activities. Training will also be provided to identify what procedures are required depending on the release including eye contact, inhalation, skin contact, and/or ingestion.



**GOOD CHARACTER
DISCLOSURE STATEMENT**

State Form 50400 (R4 / 4-11)
Indiana Department of Environmental Management

INDIANA DEPARTMENT OF
ENVIRONMENTAL MANAGEMENT
Office of Land Quality
Permits Branch
100 N. Senate Ave.
Indianapolis, IN 46204-2251

INSTRUCTIONS This form shall be used to submit the good character disclosure statement required by IC 13-19-4 for obtaining a solid waste facility permit or a hazardous waste treatment, storage, or disposal facility permit, except in the following cases: 1) renewals 2) when an applicant's solid waste facility does not process or dispose, for commercial purposes, solid waste generated offsite 3) government facilities 4) when an applicant has a permit for and has continuously operated a transfer station, solid waste disposal facility, or hazardous waste facility in Indiana after December 31, 2004, and is applying for either a permit for a new transfer station or the transfer of a transfer station permit, or 5) when an applicant has a permit for and has continuously operated a solid waste disposal facility or hazardous waste facility in Indiana after December 31, 2004, and is applying for the transfer of a permit for a solid waste disposal facility. However, in the case of 4) and 5), a disclosure statement is still required when there is a change of ownership of a least fifty percent (50%) ownership control of the entity that holds a permit. When completed, please return this form and support documents to the address given in the box above.

Section A. Facility Information

Facility Name Metro Recycling and Transfer				
Mailing Address:		Street	Apt. #	P.O. Box
		603 North Oakwood Street		
State	ZIP			
IN	46366			
Town/City North Judson				
This statement is for (check appropriate box):				
<input checked="" type="checkbox"/>	a new permit	<input type="checkbox"/>	a permit transfer	
<input type="checkbox"/>	a permit modification			

Section B. Applicant Information

The applicant may be an individual, a corporation, a partnership, or a business association that applies for the issuance, transfer, or major modification of a permit described in IC 13-15-1-3. Each applicant shall complete the following information; attach additional pages as necessary.

Applicant Name Metro Recycling Inc.				
Business Address:		Street	Apt. #	P.O. Box
		P.O. Box 229		
Town/City	State	ZIP		
Griffith	IN	46319		

Section C. Responsible Party Information

A responsible party may be an officer, a corporation director, or a senior management official of a corporation, partnership, or business association that is an applicant. A responsible party may also be an individual, a corporation, a partnership, or a business association that owns, directly or indirectly, at least a twenty percent (20%) interest in the applicant. Each responsible party shall complete the following information; attach additional pages as necessary.

Responsible Party Name Steve Dykstra				
Business Address:		Street	Apt. #	P.O. Box
		P.O. Box 229		
Town/City	State	ZIP		
Griffith	IN	46319		
Relationship to Applicant				
Responsible Party Name				
Business Address:		Street	Apt. #	P.O. Box
Town/City	State	ZIP		
Relationship to Applicant				
Responsible Party Name				
Business Address:		Street	Apt. #	P.O. Box
Town/City	State	ZIP		
Relationship to Applicant				
Responsible Party Name				
Business Address:		Street	Apt. #	P.O. Box
Town/City	State	ZIP		
Relationship to Applicant				

Section D. Disclosure Statement

Each Applicant and Responsible Party identified in Sections B and C shall complete a separate Section D and Section E. The Section D requirement may be satisfied by providing all information required by either Section D1 or Section D2, but not both. Please indicate that the required item has been provided or does not apply by initialing either the "Not Applicable" or "Provided" space. If "Not Applicable" is selected, please provide an explanation describing why. Please note: complete only Section D2 if the following applies: 1. the information is being provided for an individual, not a business entity, or 2. the information is being provided for a change in ownership control of an entity that holds a permit subject to IC 13-19-4-8.

THIS DISCLOSURE STATEMENT IS PROVIDED FOR:

Name (print or type)
Metro Recycling, Inc.

Acting as (check one):



Applicant



Responsible Party

SECTION D1

A) The information concerning legal proceedings that is required under Section 13 or 15 (d) of the Securities Exchange Act of 1934 (15 U.S.C. 78a et seq) and that the applicant or responsible party has reported under Form 10-K.

Not Applicable X Provided _____

B) A description of all judgments that have been entered against the applicant or responsible party in a civil or administrative complaint for the violation of any state or federal environmental protection law and that have imposed upon the applicant or responsible party a fine or penalty of more than ten thousand dollars (\$10,000) within five (5) years before the date of the submission of the application.

Not Applicable X Provided _____

C) A description of all judgments of conviction entered against the applicant or responsible party for the violation of any state or federal environmental protection law within five (5) years before the date of submission of the application.

Not Applicable X Provided _____

SECTION D2

A) A description of the applicant's or responsible party's experience in managing the type of waste that will be managed under the Permit. Include the name and business address for employers, the State Permit number for the facility, the type of work experience and the length of time employed.

Not Applicable _____ Provided _____

B) A description of all civil or administrative complaints against the applicant or responsible party for the violation of any state or federal environmental protection law that have resulted in a fine or penalty of more than ten thousand dollars (\$10,000) within five (5) years before the date of the submission of the application.

Not Applicable _____ Provided _____

C) A description of a civil or administrative complaints against the operator or responsible party for the violation of any state or federal environmental protection law that allege an act or omission that constitutes a material violation of state or federal environmental protection law and that presented a substantial endangerment to the public health or the environment.

Not Applicable _____ Provided _____

D) A description of all pending criminal complaints alleging the violation of any state or federal environmental protection law that have been filed against the applicant or responsible party within five (5) years before the date of submission of the application.

Not Applicable _____ Provided _____

E) A description of all judgments of criminal conviction entered against the applicant or responsible party within five (5) years before the date of submission of the application for the violation of any state or federal environmental law.

Not Applicable _____ Provided _____

F) A description of all judgments of criminal conviction of a felony constituting a crime of moral turpitude under the laws of any state or the United States that are entered against the applicant or responsible party within five (5) years before the date of submission of the application.

Not Applicable _____ Provided _____

G) The location of all facilities at which the applicant or responsible party manages the type of waste that would be managed under the permit to which the application refers. Include the facility name, business address, any permit numbers and the type of facility.

Not Applicable _____ Provided _____

H) The following information will be used by IDEM to complete a Request for Limited Criminal History Information if additional information concerning an operator or responsible party is determined to be necessary.

Date of birth _____

Sex _____

Race _____

Good Character Disclosure Statement – Explanation for Not Applicable Items

Metro Recycling, Inc.:

- A. There is no information concerning legal proceedings that is required under Section 13 or 15 (d) of the Securities Exchange Act of 1934 (15 U.S.C. 78a et seq) and that the applicant has reported under Form 10-K.
- B. There are no judgments that have been entered against the applicant in a civil or administrative complaint for the violation of any state or federal environmental protection law and that have imposed upon the applicant a fine or penalty of more than ten thousand dollars (\$10,000) within five (5) years before the date of the submission of the application.
- C. There are no judgments of conviction entered against the applicant for the violation of any state or federal environmental protection law within five (5) years before the date of submission of the application.

Section D. Disclosure Statement

Each Applicant and Responsible Party identified in Sections B and C shall complete a separate Section D and Section E. The Section D requirement may be satisfied by providing all information required by either Section D1 or Section D2, but not both. Please indicate that the required item has been provided or does not apply by initialing either the "Not Applicable" or "Provided" space. If "Not Applicable" is selected, please provide an explanation describing why. Please note: complete only Section D2 if the following applies: 1. the information is being provided for an individual, not a business entity, or 2. the information is being provided for a change in ownership control of an entity that holds a permit subject to IC 13-19-4-8.

THIS DISCLOSURE STATEMENT IS PROVIDED FOR:

Name (print or type)

Steve Dykstra

Acting as (check one):

Applicant

Responsible Party

SECTION D1

A) The information concerning legal proceedings that is required under Section 13 or 15 (d) of the Securities Exchange Act of 1934 (15 U.S.C. 78a et seq) and that the applicant or responsible party has reported under Form 10-K.

Not Applicable _____ Provided _____

B) A description of all judgments that have been entered against the applicant or responsible party in a civil or administrative complaint for the violation of any state or federal environmental protection law and that have imposed upon the applicant or responsible party a fine or penalty of more than ten thousand dollars (\$10,000) within five (5) years before the date of the submission of the application.

Not Applicable _____ Provided _____

C) A description of all judgments of conviction entered against the applicant or responsible party for the violation of any state or federal environmental protection law within five (5) years before the date of submission of the application.

Not Applicable _____ Provided _____

SECTION D2

A) A description of the applicant's or responsible party's experience in managing the type of waste that will be managed under the Permit. Include the name and business address for employers, the State Permit number for the facility, the type of work experience and the length of time employed.

Not Applicable _____ Provided X _____

B) A description of all civil or administrative complaints against the applicant or responsible party for the violation of any state or federal environmental protection law that have resulted in a fine or penalty of more than ten thousand dollars (\$10,000) within five (5) years before the date of the submission of the application.

Not Applicable X _____ Provided _____

C) A description of a civil or administrative complaints against the operator or responsible party for the violation of any state or federal environmental protection law that allege an act or omission that constitutes a material violation of state or federal environmental protection law and that presented a substantial endangerment to the public health or the environment.

Not Applicable X _____ Provided _____

D) A description of all pending criminal complaints alleging the violation of any state or federal environmental protection law that have been filed against the applicant or responsible party within five (5) years before the date of submission of the application.

Not Applicable X _____ Provided _____

E) A description of all judgments of criminal conviction entered against the applicant or responsible party within five (5) years before the date of submission of the application for the violation of any state or federal environmental law.

Not Applicable X _____ Provided _____

F) A description of all judgments of criminal conviction of a felony constituting a crime of moral turpitude under the laws of any state or the United States that are entered against the applicant or responsible party within five (5) years before the date of submission of the application.

Not Applicable X _____ Provided _____

G) The location of all facilities at which the applicant or responsible party manages the type of waste that would be managed under the permit to which the application refers. Include the facility name, business address, any permit numbers and the type of facility.

Not Applicable _____ Provided X _____

H) The following information will be used by IDEM to complete a Request for Limited Criminal History Information if additional information concerning an operator or responsible party is determined to be necessary.

Date of birth 05-10-1966

Sex MALE

Race WHITE

Good Character Disclosure Statement – Explanation of Experience/Not Applicable Items

Steve Dykstra:

- A. Responsible party is currently managing the type of waste that will be managed under the permit. He is been operating a waste transfer station in Lowell, Indiana since October 2014.
- B. There are no civil or administrative complaints against the responsible party for the violation of any state or federal environmental protection law that have resulted in a fine or penalty of more than ten thousand dollars (\$10,000) within five (5) years before the date of the submission of the application.
- C. There are no civil or administrative complaints against the responsible party for the violation of any state or federal environmental protection law that allege an act or omission that constitutes a material violation of state or federal environmental protection law and that presented a substantial endangerment to the public health or the environment.
- D. There are no pending criminal complaints alleging the violation of any state or federal environmental protection laws that have been filed against the responsible party within five (5) years before the date of submission of the application.
- E. There are no judgments of criminal conviction entered against the responsible party within five (5) years before the date of submission of the application for the violation of any state or federal environmental law.
- F. There are no judgements of criminal conviction of a felony constituting a crime of moral turpitude under the laws of any state or the United States that are entered against the responsible party within five (5) years before the date of submission of the application.
- G. There is a facility at which the responsible party manages the type of waste that would be managed under the permit to which the application refers. Metro Recycling/Steve Dykstra purchased a transfer station located at 10802 West 205th Avenue, Lowell, Indiana form Waste Service Inc. on October 1, 2014. The facility operated under Permit 45-45 which expires on August 1, 2018. This facility operates under Metro Recycling.

SECTION E SIGNATORIES

I affirm that all information contained in this disclosure statement and any attachments is, to the best of my knowledge, true and accurate. I also realize that any information provided in this disclosure statement that was knowingly incorrect may subject me to the penalty for perjury under IC 35-44-2-1.

Applicant/Responsible Party Name (printed or typed)	Applicant/Responsible Party Signature	Date
Steve Dykstra <i>Steve Dykstra</i>	<i>Jim Gota</i>	8-16-16

ACKNOWLEDGMENT

State of _____)
County of _____) SS

Before me, the undersigned, a Notary Public in and for said County and State, personally appeared Steve Dykstra known by me to be the person who executed the foregoing instrument, signed the same and acknowledged to me that he/she did so sign the same, and that his/her free act and deed and that the statements made in the foregoing instrument are true.

IN WITNESS WHEREOF, I have set my hand and official seal this 16 day of August, 2016.
I am a resident of Lake County, Indiana.

Notary Public

My Commission Expires:



CLOSURE AND POST CLOSURE

In the event the facility permanently ceases operation, final closure of the facility will be initiated within seventy-two (72) hours after receiving the final waste. The facility owner will notify IDEM at least fifteen (15) days prior to the intended date of the closure of the facility. The following closure activities would be performed at the facility during the final closure:

1. All affected parties would be notified the facility has closed. A sign will be posted at the facility entrance referencing the nearest landfill or another facility that may receive and process the waste streams.
2. All construction/demolition debris and municipal solid waste on the tipping floor will be loaded and transported to the approved final disposal site. All storage containers, bins, etc. will be cleaned and removed from the facility. Also, recyclables will be removed from the facility and properly processed in the adjacent recycling facility or sold directly as is.
3. Final inspection of the facility and surrounding yard will be conducted. Any residual or litter collected will be properly disposed.
4. A cost estimate to close the facility and maintain the facility during the post-closure period is included in Section 11 of the application. Included in this estimate are, items 1, 2, and 3 above and all applicable in 329 IAC 11-16-2 and 11-16-3.

The permittee would submit to IDEM a certification signed by the permittee specifically identifying the closed facility and documents that the closure was performed in accordance with the above listed requirements. The certification would also include a contact person with an address and telephone number for the facility during the post closure period.

Following completion of closure activities, the site would perform post-closure duties for one (1) year that includes semiannual inspections. Written inspection reports on the condition of the facility will be submitted to IDEM within thirty (30) days of an inspection.

The financial assurance would be maintained until the end of the post-closure period.

FINANCIAL ASSURANCE

Financial responsibility is established for the costs of closure and post closure monitoring and maintenance of the transfer station. The area permitted for waste processing is 8.04 acres. The financial responsibility will be a minimum of \$4,000 per acre or part of an acre. Since this amount is greater than the cost estimate, the total final assurance to be granted is \$32,160.00 based on 8.04 acres.

FINANCIAL ASSURANCE

Financial responsibility is established for the costs of closure and post closure monitoring and maintenance of the transfer station. The area permitted for waste processing is 8.04 acres. The financial responsibility will be a minimum of \$4,000 per acre or part of an acre. Since this amount is greater than the cost estimate, the total final assurance to be granted is \$32,160.00 based on 8.04 acres.

Financial assurance will be provided before the facility becomes operational.