ADDENDUM NO. 1

May 26, 2022

Monon Trail Elementary Softball
Concessions & Pressbox
19400 Tomlinson Road
Westfield, IN 46074

TO: ALL BIDDERS OF RECORD

This Addendum forms a part of and modifies the Bidding Requirements, Contract Forms, Contract Conditions, the Specifications and the Drawings dated April 15, 2022, by CSO Architects. Acknowledge receipt of the Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of Pages ADD 1-1 through ADD 1-2 and attached CSO Architect's Addendum No. 1, dated May 26, 2022, consisting of 2 Pages. Specification Sections: 22 11 19 Domestic Water Piping Specialties, 22 13 19 Sanitary Waste Piping Specialties, 22 33 00 Electric, Domestic-Water Heaters, 22 42 16.16 Commercial Sinks, and Addendum Drawings: C001, C101, C200, C201, C201A, C202, C202A, C301, C301A, C401, C401A, C402, C403, C701A, L102, L202, L302, L503, L504, L510, A000, A200, A210, A402, A404, A501, A601, E201, P100

Below is the link for the Virtual Bid Opening, which Bids are due June 01, 2022, at 1:00PM at Westfield Washington Schools Facilities, Conference Room, 18160 Market Ct., Westfield, IN 46074.

Microsoft Teams meeting

Join on your computer or mobile app
Click here to join the meeting
Or call in (audio only)
+1 317-762-3960,,963835086# United States, Indianapolis
Phone Conference ID: 963 835 086#

GENERAL NOTE

1. There are two sets of Civil drawings with identical sheet numbers reflecting base bid and alternate scopes. Reference both Civil sets for the complete scope of work included as part of the construction documents.

A. SPECIFICATION SECTION 00 31 00 BID FORM

1. Reissued Specification Section is attached herein.

B. SPECIFICATION SECTION 00 43 50 SUBCONTRACTORS AND PRODUCTS LISTS

1. Reissued Specification Section is attached herein.

C. 01 12 00 MULTIPLE CONTRACT SUMMARY

1. Paragraph 3.03 Bid Categories

A. Bid Category No. 1 – General Trades

Add the following clarifications:

15. Netted backstop systems shall provide a minimum of 30' height of protective barrier netting. (Specification Section 12 93 01 Netted Backstops)
16. Include $5,000.00 additional allowance for irrigation system repair/rework required as part of construction. Unused allowance shall be credited back to the owner upon completion of construction.

B. Bid Category No. 2 – Plumbing and HVAC

Add the following specification section:

22 33 00 Electric, Domestic-Water Heaters

C. Bid Category No. 3 – Electrical & Technology

Add the following clarifications:

5. Include $20,000.00 additional allowance for additional Technology improvements. Unused allowance shall be credited back to the owner upon completion of construction.

D. SPECIFICATION SECTION 01 23 00 ALTERNATES

1. Reissued Specification Section is attached herein.

E. SPECIFICATION SECTION 01 32 00 SCHEDULES AND REPORTS

1. Project Guideline Schedule is attached herein.

CONTRACTOR'S BID FOR PUBLIC WORKS FORM NO. 96

Format (Revised 2013)
(Amended for WWS)

Monon Trail Softball Elementary Concessions & Pressbox

Westfield Washington Schools
Hamilton County, Indiana

PART I

(To be completed for all bids. Please type or print)

Date (month, day, year):_____

BIDDER (Firm) _____

Address _____ P.O. Box _____

City/State/Zip _____

Telephone Number: _____ Email Address: _____

Person to contact regarding this Bid_____

Pursuant to notices given, the undersigned offers to furnish labor and/or materials necessary to complete the public works project of:

_____
Insert Category No. (s) and Name(s)

Of public works project, **Monon Trail Elementary Softball Concessions & Pressbox**, in accordance with Plans and Specifications prepared by **CSO Architects, 8831 Keystone Crossing, Indianapolis, IN 46240,** as follows:

BASE BID

For the sum of _____
(Sum in words)

_____DOLLARS ($_____)
(Sum in figures)

The undersigned acknowledges receipt of the following Addenda:
Receipt of Addenda No. (s) _____

PROPOSAL TIME

Bidder agrees that this Bid shall remain in force for a period of sixty (60) consecutive calendar days from the due date, and Bids may be accepted or rejected during this period. Bids not accepted within said sixty (60) consecutive calendar days shall be deemed rejected.

Attended pre-bid conference YES _____ NO_____

Has visited the jobsite YES _____ NO_____

The Bidder has reviewed the Guideline Schedule in Section 01 32 00 and the intent Of the schedule can be met. YES _____ NO_____

Bidder has included their Written Drug Testing Plan that covers all employees of the bidder who will perform work on the public work project and meets or exceeds the requirements set in IC 4-13-18-5 or IC 4-13-18-6. YES _____ NO_____

The Skillman Corporation's diversity initiative is to create a program to encourage, assist and measure the active participation of Minority- Owned, Women-Owned, Veteran – Owned and Disabled Individual-Owned Businesses. The Program is to ensure that MWVDBEs are provided full and equal opportunity to participate in all Skillman Corporation's Projects.

Bidder has included:
DBE: YES _____% NO _____
MBE: YES _____% NO _____
WBE: YES _____% NO _____
VBE: YES _____% NO _____

The undersigned further agrees to furnish a bond or certified check with this Bid for an amount specified in the Notice to Bidders. If Alternate Bids apply, submit a proposal for each in accordance with the Plans and Specifications.

If additional units of material included in the contract are needed, the cost of units must be the same as that shown in the original contract if accepted by the governmental unit. If the bid is to be awarded on a unit bases, the itemization of the units shall be shown on a separate attachment.

The contractor and his subcontractors, if any, shall not discriminate against or intimidate any employee, or applicant for employment, to be employed in the performance of this contract, with respect to any matter directly or indirectly related to employment because of race, religion, color, sex, national origin or ancestry. Breach of this covenant may be regarded as a material breach of the contract.

CERTIFICATION OF USE OF UNITED STATES STEEL PRODUCTS
(if applicable)

I, the undersigned bidder, or agent as a contractor on a public works project, understand my statutory obligation to use steel products made in the United States (I.C. 5-16-8-2). I hereby certify that I and all subcontractors employed by me for this project will use U.S. steel on this project if awarded. I understand that violations hereunder may result in forfeiture of contractual payments.

ALTERNATE BIDS

A blank entry or an entry of "No Bid", "N/A", or similar entry on any Alternate will cause the bid to be rejected as non-responsive only if that Alternate is selected. If no change in the bid amount is required, indicate "No Change".

****MARK "ADD" OR "DEDUCT" FOR EACH ALTERNATE****

Alternate Bid No. 1 – East Softball Fields and Baseball Field: Dugouts, Fencing and Backstops.

Change the Base Bid the sum of_____
(sum in words)

_____DOLLARS ($_____) ADD / DEDUCT
(sum in figures)

Alternate Bid No. 2a – Softball and Baseball Field Chain-Link Backstop

Change the Base Bid the sum of_____
(sum in words)

_____DOLLARS ($_____) ADD / DEDUCT
(sum in figures)

Alternate Bid No. 2b – Softball and Baseball Field Netted Backstop

Change the Base Bid the sum of_____
(sum in words)

_____DOLLARS ($_____) ADD / DEDUCT
(sum in figures)

Alternate Bid No. 3 – Parking Area

Change the Base Bid the sum of_____
(sum in words)

_____DOLLARS ($_____) ADD / DEDUCT
(sum in figures)

PART II

(For projects of $150,000 or more – IC 36-1-12-4)

These statements to be submitted under oath by each bidder with and as a part of his bid. (Attach additional pages for each section as needed.)

SECTION I EXPERIENCE QUESTIONNAIRE

1. What public works projects has your organization completed for the period of one (1) year prior to the date of the current bid?

Contract Amount	Class of Work	Completion Date	Name and Address of Owner

2. What public works projects are now in process of construction by your organization?

Contract Amount	Class of Work	Completion Date	Name and Address of Owner

3. Have you ever failed to complete any work awarded to you?_____If so, where and why?

_____

_____

_____

4. List references from private firms for which you have performed work.

_____

_____

_____

SECTION II PLAN AND EQUIPMENT QUESTIONNAIRE

1. Explain your plan or layout for performing proposed Work. (Examples could include a narrative of when you could begin, complete the project, number of workers, etc. and any other information which you believe would enable the governmental unit to consider your bid.)

2. Please list the names and addresses of all subcontractors (i.e. persons or firms outside your own firm who have performed part of the work) that you have used on public works projects during the past five (5) years along with a brief description of the work done by each subcontractor.

3. If you intend to sublet any portion of the work, state the name and addresses of each subcontractor, equipment to be used by the subcontractor, and whether you will required a bond. However, if you are unable to currently provide a listing, please understand a listing must be provided prior to contract approval. Until the completion of the proposed project, you are under a continuing obligation to immediately notify the governmental unit in the event that you subsequently determine that you will use a subcontractor on the proposed project.

4. What equipment do you have available to use for the proposed Project? Any equipment used by subcontractors may also be required to be listed by the governmental unit.

5. Have you into contracts or received offers for all materials which substantiate the prices used in preparing your proposal? If not, please explain the rationale used which corroborate the process listed.

SECTION III CONTRACTOR'S FINANCIAL STATEMENT

Attachment of Bidder's financial statement is mandatory. Any Bid submitted without said financial statement as required by statute shall thereby be rendered invalid. The financial statement provided hereunder to the governing body awarding the Contract must be specific enough in detail so that said governing body can make a proper determination of the Bidder's capability for completing the Project if awarded.

SECTION IV CONTRACTOR NON-COLLUSION AFFIDAVIT

The undersigned Bidder or agent, being duly sworn on oath, says that he has not, nor has any other member, representative, or agent of the firm, company, corporation or partnership represented by him, entered into any combination, collusion or agreement with any person relative to the price to be bid by anyone at such letting nor to prevent any person from bidding nor to induce anyone to refrain from bidding, and that this Bid is made without reference to any other bid and without any agreement, understanding or combination with any other person in reference to such bidding.

He further says that no person or persons, firms, or corporations has, have, or will receive directly or indirectly, any rebate, fee, gift, commission, or thing of value on account of such contract.

SECTION V OATH AND AFFIRMATION

I HEREBY AFFIRM UNDER THE PENALTIES OF PERJURY THAT THE FACTS AND INFORMATION CONTAINED IN THE FOREGOING BID FOR PUBLIC WORKS ARE TRUE AND CORRECT

Dated at _____this _____ day of _____, 20

_____
(Name of Organization)

By
_____

_____
(Title of Person Signing)

ACKNOWLEDGEMENT

STATE OF _____)
) SS:
COUNTY OF _____)

Before me, a Notary Public, personally appeared the above-named
_____

Swore that the statements contained in the foregoing document are true and correct.

Subscribed and sworn to before me this _____ day of _____,
_____
(Title)

_____
Notary Public

My Commission Expires: _____

County of Residence: _____

END OF SECTION 00 31 00

SECTION 00 43 50 - SUBCONTRACTORS AND PRODUCTS LIST

PART 1 - GENERAL

1.01 DESCRIPTION

A. The two (2) low responsive Bidders in each Bid Category shall furnish electronically, the following Subcontractors and Products List to the Construction Manager within **two (2) working days (48 hrs.)** of bid opening, unless submitted with Bid. . The blanks appropriate to the Bid Category(ies) on which they bid shall be completed.

1. The Owner and Architect shall have the right to select any material or equipment named in the Specifications for any particular item where the Bidder either fails to list same or lists more than one name for the item in question.
2. It is intended that this list will show the manufacturer and supplier of major items of work that will be subcontracted and to whom.

1.02 INSTRUCTIONS FOR SUBCONTRACTORS AND PRODUCTS LISTS

A. Each Bidder shall submit a copy of his list of subcontractors and manufacturers of products and equipment proposed for work indicated as required above.

B. The list shall be submitted on forms provided and shall be completely executed. "As Specified" or "With Equipment" type of terminology will not be accepted.

C. Under "Subcontractor", insert the name of the firm which the Bidder proposes to have perform the respective work. If work will be done by the Prime Bidder and no subcontract will be awarded, state "By Own Forces".

D. Submission does not constitute acceptance for use of listed manufacturers' products. Materials and subcontractors are subject to the provisions of the General Conditions and "Standard of Product Acceptability" and must be formally reviewed and adjudged acceptable by the Architect/Engineer.

E. Engineer, Architect and Owner reserve the right to reject submissions of materials, work, or subcontractors that do not, in their opinion, meet the requirements of Drawings, Specifications or job conditions.

F. Materials and subcontractors used for work on the Project shall be in accordance with accepted material list.

1. The list is intended to assure use of materials and vendors acceptably equivalent to those specified and is not a substitution sheet or complete listing of required materials or services.

2. Substitutions for listed items will not be allowed, except when termed acceptable, in writing by the Architect/Engineer, provided that substitution will result in a cost savings to the Owner, determined by the Owner to be a better product, or is made necessary due to unavailability of listed item. Unavailability shall be confirmed in writing by manufacturer named on accepted list.

1.03 CIVIL AND ARCHITECTURAL WORK SUBCONTRACTORS AND PRODUCTS LIST

BID CATEGORY NO._____
(Insert Category No. and Name)

NAME OF BIDDER_____

The undersigned hereby submits the following Subcontractors and Products List which becomes a part of the undersigned Contract proposal. Subcontractor purchased material, equipment, and labor shall be under the direct management and control of the Prime Contractor. If a dual listing of manufacturers and subcontractors is herein made, it is understood the Architect/Engineer (not the Contractor) will select the manufacturer or subcontractor of his choice. State the XBE Designation.

CIVIL AND ARCHITECTURAL WORK

Section	Description	XBE	Subcontractor	Manufacturer
03 30 00	Cast-In-Place Concrete			
03 30 01	Site Cast-In-Place Concrete			
04 20 00	Unit Masonry			
04 72 50	Cast Stone Masonry			
06 10 00	Rough Carpentry			
06 10 53	Miscellaneous Rough Carpentry			
06 16 00	Sheathing			
06 16 43	Glass-Mat Gypsum Wall Sheathing			
06 17 53	Metal Plate Connected Wood Trusses			
07 13 26	Self-Adhering Sheet Waterproofing			

Section	Description	XBE	Subcontractor	Manufacturer
07 25 00	Weather Barriers			
07 31 13	Asphalt Shingles			
07 46 10	Fiber Cement Siding			
07 54 23	Thermoplastic Polyolefin (TPO) Roofing			
07 62 00	Sheet Metal Flashing and Trim			
07 71 00	Roof Specialties			
07 92 00	Joint Sealants			
08 11 13	Hollow Metal Doors and Frames			
08 31 13	Access Doors and Frames			
08 33 13	Coiling Counter Doors			
08 41 13	Aluminum-Framed Entrances and Storefronts			
08 51 13	Aluminum Windows			
08 71 00	Door Hardware			
08 80 00	Glazing			
09 22 16	Non-Structural Metal Framing			
09 29 00	Gypsum Board			
09 51 13	Acoustical Panel Ceilings			
09 65 13	Resilient Base and Accessories			
09 68 13	Tile Carpeting			
09 92 30	Painting			
09 96 00	High-Performance Coatings			
10 21 13	Toilet Compartments			
10 28 00	Toilet Bath & Laundry Accessories			

Section	Description	XBE	Subcontractor	Manufacturer
10 44 13	Fire Extinguishers and Cabinets			
12 32 16	Manufactured Plastic-Laminate-Faced Casework			
12 93 01	Netted Backstops – Alternate Bid			
31 10 00	Site Clearing			
31 20 10	Earthwork – Building			
31 22 00	Earthwork			
31 23 16	Excavation			
31 23 16.13	Trenching			
31 23 19	Dewatering			
31 23 23	Fill			
31 24 00	Temporary Erosion and Sedimentation Control			
32 11 23	Aggregate Base Courses			
32 11 23.01	Granular Base			
32 12 16	Asphalt Paving			
32 13 16	Concrete Paving			
32 17 13	Parking Bumpers			
32 17 23	Pavement Markings			
32 31 13	Chain Link Fencing and Gates			
32 92 00	Turf and Grasses			
32 93 00	Plants			
33 05 13	Storm Manholes and Structures			
33 14 16	Site Water Utility Distribution Piping			
33 31 13	Site Sanitary Sewerage Gravity Piping			

Section	Description	XBE	Subcontractor	Manufacturer
33 41 00	Subdrainage			
33 42 11	Stormwater Gravity Piping			
33 42 30	Stormwater Drains			

Name of Bidder:	Date:
Address:	
City/State/Zip:	
Telephone:	
By:	

1.04 MECHANICAL WORK SUBCONTRACTORS AND PRODUCTS LIST

BID CATEGORY NO._____
(Insert Category No. and Name)

NAME OF BIDDER_____

The undersigned hereby submits the following Subcontractors and Products List which becomes a part of the undersigned Contract proposal. Subcontractor purchased material, equipment, and labor shall be under the direct management and control of the Prime Contractor. If dual listing of manufacturers or subcontractors is herein made, it is understood the Architect/Engineer (not the Contractor) will select the manufacturer or subcontractor of his choice.

MECHANICAL WORK

Section	Description	Subcontractor	Manufacturer
22 05 18	Escutcheons for Plumbing Piping		
22 05 19	Meter & Gages for Plumbing Piping		
22 05 23	General-Duty Valves for Plumbing Piping		
22 05 29	Hanger & Supports for Plumbing Piping & Equip.		
22 07 19	Plumbing Piping Insulation		
22 11 16	Domestic Water Piping		
22 11 19	Domestic Water Piping Specialties		
22 13 16	Sanitary Waste and Vent Piping		
22 13 19	Sanitary Waste Piping Specialties		
22 13 19.13	Sanitary Drains		
22 33 00	Electric, Domestic-Water Heaters		

Section	Description	Subcontractor	Manufacturer
22 42 13.13	Commercial Water Closets		
22 42 13.16	Commercial Urinals		
22 42 16.13	Commercial Lavatories		
22 42 16.16	Commercial Sinks		
22 47 13	Drinking Fountains		
23 05 13	Common Motor Requirements for HVAC Equip.		
23 05 53	Identification for HVAC Piping & Equipment		
23 31 13	Metal Ducts		
23 34 23	HVAC Power Ventilators		
23 37 13.23	Registers and Grilles		

Plumbing Fixtures: Manufacturer:

a) _____ _____

b) _____ _____

c) _____ _____

d) _____ _____

e) _____ _____

f) _____ _____

Name of Bidder:	Date:
Address:	
City/State/Zip:	
Telephone:	
By:	

1.05 ELECTRICAL WORK SUBCONTRACTORS AND PRODUCTS LIST

BID CATEGORY NO._____
(Insert Category No. and Name)

NAME OF BIDDER_____

The undersigned hereby submits the following Subcontractors and Products List which becomes a part of the undersigned Contract proposal. Subcontractor purchased material, equipment, and labor shall be under the direct management and control of the Prime Contractor. If dual listing of manufacturers or subcontractors is herein made, it is understood the Architect/Engineer (not the Contractor) will select the manufacturer or subcontractor of his choice.

ELECTRICAL WORK

Section	Description	Subcontractor	Manufacturer
26 05 19	Low-Voltage Electrical Power Conductors and Cables		
26 05 23	Control-Voltage Electrical Power Cables		
26 05 26	Grounding and Bonding for Electrical Systems		
26 05 29	Hangers and Supports for Electrical Systems		
26 05 33	Raceways and Boxes for Electrical Systems		
26 05 43	Underground Ducts & Raceways for Electrical Systems		
26 05 53	Identification for Electrical Systems		
26 09 23	Lighting Control Devices		
26 22 00	Low-Voltage Transformers		
26 24 16	Panelboards		
26 27 26	Wiring Devices		

Section	Description	Subcontractor	Manufacturer
26 28 16	Enclosed Switches and Circuit Breakers		
26 51 19	LED Interior Lighting		
26 52 13	Emergency Exit Lighting		
26 56 13	Lighting Poles and Standards		
26 56 19	LED Exterior Lighting		
28 05 13	Conductors & Cables for Electronic Safety & Security		
28 05 26	Grounding & Bonding for Electronic Safety & Security		
28 05 28	Pathways for Electronic Safety & Security		
28 31 11	Digital, Addressable Fire-Alarm System		

Name of Bidder:	Date:
Address:	
City/State/Zip:	
Telephone:	
By:	

END OF SECTION 00 43 50

SECTION 01 23 00 - ALTERNATES

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including amended General Conditions and other Division 1 Specification Sections, apply to work of this Section.

1.02 PURPOSE

A. The Bids for the Alternates described herein are required in order for the Owner to obtain information necessary for the proper consideration of the Project in its entirety.

1.03 ALTERNATES

A. Definitions: Alternates are defined as alternate products, materials, equipment, installations or systems for the Work, which may, at Owner's option and under terms established by Instructions to Bidders, be selected and recorded in the Owner-Contractor Agreement to either supplement or displace corresponding basic requirements of Contract Documents. Alternates may or may not substantially change scope and general character of the Work; and must not be confused with "allowances", "unit prices", "change orders", "substitutions", and other similar provisions.

1.04 SCHEDULE OF ALTERNATES

A. ALTERNATE NO. 1: East Softball Fields and Baseball Field: Dugouts, Fencing and Backstops

Base Bid: Provide the six (6) new Dugouts: two (2) located at each of the two Eastern softball fields and two (2) located at the Baseball Field. Provide the backstops and fencing in these locations as indicated on the drawings.

Bid Alternate: Provide four (4) new dugouts: two (2) located at each of the two western Softball Fields. Provide the backstops and fencing in these locations as indicated on drawings.

B. ALTERNATE NO. 2a: Softball and Baseball Field Chain-Link Backstop

Base Bid: Provide chain-link backstop.

Bid Alternate: Provide chain-link backstop with knee wall at the two (2) Eastern Softball fields and the Baseball Field.

C. ALTERNATE NO. 2b: Softball and Baseball Field Netted Backstop

Base Bid: Provide chain-link backstop.

Bid Alternate: Provide backstop netting at the two (2) eastern Softball fields and the Baseball Field per drawings details and specification section 12 93 01.

D. ALTERNATE NO. 3: Parking Area

Base Bid: Parking Scope of Work as indicated on the drawings.

Bid Alternate: Provide the larger parking scope of work, including all drainage, curbs and modifications necessary to accommodate the scope of work indicated in Bid Documents. Alternate to include the cost difference between the Base Bid and the Alternate scope of work.

PART 2 - PRODUCTS, PART 3 - EXECUTION (Not Used)

END OF SECTION 01 23 00

Guideline Schedule - Monon Trail Softball Complex Improvements

ACTIVITY	2022												2023			
	May		June				J	A	S	O	N	D	J	F	M	A
	22	29	5	12	19	26										
Preconstruction Phase																
Bid Opening		1														
Pre-Award Conferences		2,3														
School Board Review/Approval				14												
Construction Phase																
Issue Notices to Proceed				15												
Contracting, Mobilization, Temp Facilities																
Construction																
Occupancy																

ADDENDUM

ADDENDUM NO: 001

BID PACKAGE NO: Early Package

PROJECT: Monon Trail Softball Complex

PROJECT NO: 2022030 DATE: 05/25/2022 BY: Josh Cannaday

This Addendum is issued in accordance with the provisions of "The General Conditions of the Contract for Construction," Article 1, "Contract Documents" and becomes a part of the Contract Documents as provided therein. This Addendum includes:

ATTACHMENTS

CSO Addendum No.1, pages 1 through 59

Specifications:

00 00 01 – Table of Contents
22 11 19 – Domestic Water Piping Specialties
22 13 19 – Sanitary Waste Piping Specialties
22 33 00 – Electric, Domestic-Water Heaters
22 42 16.16 – Commercial Sinks

Drawings

L102, L202, L302, L503, L504, L510, A200, A210, A402, A404, A501, A601, E201, P100

PART 1 - GENERAL INFORMATION

1.1 NOT USED

PART 2 - BIDDING REQUIREMENTS

2.1 NOT USED

PART 3 - SPECIFICATIONS

3.1 00 00 01 – Table of Contents

A. Revise to include section 22 33 00 – Electric, Domestic-Water Heaters

3.2 22 11 19 – Domestic Water Piping Specialties

A. Reissue specification in its entirety

8831 Keystone Crossing, Indianapolis, IN 46240 | 317.848.7800 | csoinc.net

3.3 22 13 19 – Sanitary Waste Piping Specialties

A. Reissue specification in its entirety

3.4 22 33 00 – Electric, Domestic-Water Heaters

A. Issue specification section in its entirety

3.5 22 42 16.16 – Commercial Sinks

A. Revise Part 2, Subsection A to include Service Sinks – Floor Mounted Mop Basins

PART 4 - DRAWINGS

4.1 A000 – COVER SHEET

A. Reissue sheet to correct a grammatical error

4.2 C001 – COVER SHEET

A. Reissue sheet and set to reflect address change from 19500 Tomlinson Road to 19400 Tomlinson Road

4.3 C101 – EXISTING CONDITIONS AND DEMOLITION

A. Reissue sheet in its entirety

4.4 C200 – OVERALL DEVELOPMENT PLAN

A. Reissue sheet in its entirety

4.5 C201 – DEVELOPMENT PLAN

A. Reissue sheet in its entirety

4.6 C201A – DEVELOPMENT PLAN

A. Reissue sheet in its entirety

4.7 C202 – DEVELOPMENT DETAILS

A. Reissue sheet in its entirety

4.8 C202A – DEVELOPMENT DETIALS

A. Reissue sheet in its entirety

4.9 C301 – GRADING PLAN

A. Reissue sheet in its entirety

4.10 C301A – GRADING PLAN

A. Reissue sheet in its entirety

4.11 C401 – STORMWATER POLLUTION PREVENTION PLAN

A. Reissue sheet in its entirety

4.12 C401A – STORMWATER POLLUTION PREVENTION PLAN

A. Reissue sheet in its entirety

4.13 C402 – STORMWATER POLLUTION PREVENTION DETAILS

A. Reissue sheet in its entirety

4.14 C403 – STORMWTER POLLUTION PREVENTION NOTES

A. Reissue sheet in its entirety

4.15 C701A – STORM PLAN AND PROFILES

A. Reissue sheet in its entirety

4.16 L102 – MATERIALS AND NOTES PLAN

A. Reissue sheet in its entirety

4.17 L202 – LAYOUT PLAN

A. Reissue sheet in its entirety

4.18 L302 – PLANTING PLAN

A. Issue new sheet in its entirety

4.19 L503 – SITE DETAILS

A. Reissue sheet in its entirety

4.20 L504 – SITE DETAILS

A. Reissue sheet in its entirety

4.21 L510 – LANDSCAPE DETAILS

A. Reissue sheet in its entirety

4.22 A200 – ENLARGED FLOOR PLANS

A. Reissue sheet to reflect changes to wall type dimensions.

4.23 A210 – REFLECTED CEILING & ROOF PLAN

A. Reissue sheet to reflect change in ceiling type for the area leading into the public restrooms

4.24 A402 – WALL SECTION & DETAILS

A. Reissue sheet to revise through wall flashing details

B. Reissue sheet to revise notes regarding wood sheathing

4.25 A404 – VERTICAL CIRCULATION

A. Reissue sheet to revise the thickness of the flooring on the second level

4.26 A501 – SCHEDULES & DETIALS

A. Reissue sheet to show adjustments to the coiling door head detail.

4.27 A600 – CASEWORK/INTERIOR ELEVATIONS

A. Reissue sheet to show changes made to the equipment schedule and pressbox elevations.

4.28 E201 – GROUND, SECOND FLOOR & ROOF POWER & SIGNAL PLAN

A. Revise location of receptacle for the refrigerator location.

4.29 P100 – UNDERFLOOR & GROUND LEVEL FLOOR PLAN – PLUMBING

A. Drainage note for the ice maker was revised to the correct location.

PART 5 - QUESTIONS AND AWSNERS

5.1 Not Used

END ADDENDUM

PROCUREMENT AND CONTRACTING DOCUMENTS GROUP

Volume 1

DIVISION 00 - PROCUREMENT AND CONTRACTING REQUIREMENTS

SPECIFICATIONS GROUP
General Requirements Subgroup

DIVISION 01 - GENERAL REQUIREMENTS
SEE CONSTRUCTION MANAGER'S VOLUME 1

Volume 2

Facility Construction Subgroup

DIVISION 02 - EXISTING CONDITIONS
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DIVISION 03 - CONCRETE
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DIVISION 06 - WOOD, PLASTICS & COMPOSITES
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DIVISION 07 - THERMAL AND MOISTURE PROTECTION
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DIVISION 09 - FINISHES

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DIVISION 10 - SPECIALTIES

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DIVISION 11 - EQUIPMENT

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DIVISION 12 - FURNISHINGS

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DIVISION 13 - SPECIAL CONSTRUCTION

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DIVISION 14 - CONVEYING EQUIPMENT

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Volume 2

Facility Services Subgroup

DIVISION 21 - FIRE SUPPRESSION

DIVISION 22 - PLUMBING

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22 33 00 Electric, Domestic-Water Heaters
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DIVISION 23 - HEATING VENTILATING AND AIR CONDITIONING

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DIVISION 26 - ELECTRICAL

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DIVISION 28 – ELECTRONIC SAFETY AND SECURITY

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Site and Infrastructure Subgroup

DIVISION 31 - EARTHWORK

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DIVISION 32 - EXTERIOR IMPROVEMENTS

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DIVISION 33 - UTILITIES

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SECTION 22 11 19 - DOMESTIC WATER PIPING SPECIALTIES

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Vacuum breakers.
2. Backflow preventers.
3. Water pressure-reducing valves.
4. Balancing valves.
5. Temperature-actuated, water mixing valves.
6. Strainers for domestic water piping.
7. Hose bibbs.
8. Drain valves.
9. Water-hammer arresters.
10. Trap-seal primer device.

B. Related Requirements:

1. Section 22 05 19 "Meters and Gauges for Plumbing Piping" for thermometers, pressure gauges, and flow meters in domestic water piping.
2. Section 22 11 16 "Domestic Water Piping" for water meters.

1.2 ACTION SUBMITTALS

A. Product Data: For each type of product.

PART 2 - PRODUCTS

2.1 GENERAL REQUIREMENTS FOR PIPING SPECIALTIES

A. Domestic water piping specialties intended to convey or dispense water for human consumption are to comply with the SDWA, requirements of authorities having jurisdiction, and NSF 61 and NSF 372, or to be certified in compliance with NSF 61 and NSF 372 by an American National Standards Institute (ANSI)-accredited third-party certification body that the weighted average lead content at wetted surfaces is less than or equal to 0.25 percent.

2.2 PERFORMANCE REQUIREMENTS

A. Minimum Working Pressure for Domestic Water Piping Specialties: 125 psig unless otherwise indicated.

2.3 VACUUM BREAKERS

A. Pipe-Applied, Atmospheric-Type Vacuum Breakers:

1. Apply vacuum breakers at faucets and fixtures where backflowing may occur.
2. Standard: ASSE 1001.
3. Size: NPS 1/4 to NPS 3, as required to match connected piping.
4. Body: Bronze.
5. Inlet and Outlet Connections: Threaded.
6. Finish: Rough bronze or Chrome plated.

2.4 BACKFLOW PREVENTERS

A. Reduced-Pressure-Principle Backflow Preventers:
1. Refer to design drawings, mechanical and plumbing schedules for selection.
2. Standard: ASSE 1013.
3. Operation: Continuous-pressure applications.
4. Pressure Loss: Equal or less than the scheduled component at the design flow rate.
5. Size: 3” NPT.
6. Design Flow Rate: 110 GPM.
7. End Connections: Threaded, welded, or grooved.
8. Configuration: Designed for horizontal, straight-through flow.
9. Accessories:

a. Ball type with threaded ends on inlet and outlet.
b. Air-Gap Fitting: ASME A112.1.2, matching backflow-preventer connection.

2.5 BALANCING VALVES

A. Memory-Stop Balancing Valves:
1. Standard: MSS SP-110 for two-piece, copper-alloy ball valves.
2. Pressure Rating: 400-psig minimum CWP.
3. Size: NPS 2 or smaller.
4. Body: Copper alloy.
5. Port: Standard or full port.
6. Ball: Chrome-plated brass or stainless steel.
7. Seats and Seals: Replaceable.
8. End Connections: Solder joint or threaded.
9. Handle: Vinyl-covered steel with memory-setting device.

2.6 TEMPERATURE-ACTUATED, WATER MIXING VALVES

A. Primary, Thermostatic, Water Mixing Valves:
1. Refer to design drawings, mechanical and plumbing schedules for selection.
2. Standard: ASSE 1017.
3. Pressure Rating: 125 psig minimum unless otherwise indicated.
4. Type: Exposed-mounted, thermostatically controlled, water mixing valve.
5. Material: Bronze body with corrosion-resistant interior components.
6. Connections: Threaded inlets and outlet.
7. Accessories: Manual temperature control, check stops on hot- and cold-water supplies, and adjustable, temperature-control handle.
8. Tempered-Water Setting: 110 F
9. Tempered-Water Design Flow Rate: 50 GPM

2.7 STRAINERS FOR DOMESTIC WATER PIPING

A. Y-Pattern Strainers:
1. Pressure Rating: 125 psig minimum unless otherwise indicated.
2. Body: Bronze for NPS 2 and smaller; cast iron for NPS 2-1/2 and larger.
3. End Connections: Threaded for NPS 2 and smaller; flanged for NPS 2-1/2 and larger.
4. Screen: Stainless steel with round perforations unless otherwise indicated.
5. Drain: Pipe plug or Factory-installed, hose-end drain valve.

2.8 HOSE BIBBS

A. Hose Bibbs:
1. Standard: ASME A112.18.1 for sediment faucets.
2. Body Material: Bronze.
3. Seat: Bronze, replaceable.
4. Supply Connections: NPS 1/2 or NPS 3/4 threaded or solder-joint inlet.
5. Outlet Connection: Garden-hose thread complying with ASME B1.20.7.
6. Pressure Rating: 125 psig.
7. Vacuum Breaker: Integral or field-installation, nonremovable, drainable, hose-connection vacuum breaker complying with ASSE 1011.
8. Finish for Equipment Rooms: Rough bronze, or chrome or nickel plated.
9. Finish for Service Areas: Chrome or nickel plated.
10. Finish for Finished Rooms: Chrome or nickel plated.
11. Operation for Equipment Rooms: Wheel handle or operating key.
12. Operation for Service Areas: Operating key.
13. Operation for Finished Rooms: Operating key.
14. Include operating key with each operating-key hose bibb.
15. Include integral wall flange with each chrome- or nickel-plated hose bibb.

2.9 DRAIN VALVES

A. Ball-Valve-Type, Hose-End Drain Valves:

1. Standard: MSS SP-110 for standard-port, two-piece ball valves.
2. Pressure Rating: 400-psig minimum CWP.
3. Size: NPS 3/4.
4. Body: Copper alloy.
5. Ball: Chrome-plated brass.
6. Seats and Seals: Replaceable.
7. Handle: Vinyl-covered steel.
8. Inlet: Threaded or solder joint.
9. Outlet: Threaded, short nipple with garden-hose thread complying with ASME B1.20.7 and cap with brass chain.

2.10 WATER-HAMMER ARRESTERS

A. Water-Hammer Arresters
1. Refer to design documents for selections and locations.
2. Standard: ASSE 1010 or PDI-WH 201.
3. Type: Metal bellows.
4. Size: ASSE 1010, Sizes AA and A through F, or PDI-WH 201, Sizes A through F.

2.11 TRAP-SEAL PRIMER DEVICE

A. Supply-Type, Trap-Seal Primer Device:
1. Standard: ASSE 1018.
2. Pressure Rating: 125 psig minimum.
3. Body: Bronze.
4. Inlet and Outlet Connections: NPS 1/2 threaded, union, or solder joint.
5. Gravity Drain Outlet Connection: NPS 1/2 threaded or solder joint.
6. Finish: Chrome plated, or rough bronze for units used with pipe or tube that is not chrome finished.

B. Drainage-Type, Trap-Seal Primer Device:
1. Standard: ASSE 1044, lavatory P-trap with NPS 3/8 minimum, trap makeup connection.
2. Size: NPS 1-1/4 minimum.
3. Material: Chrome-plated, cast brass.

PART 3 - EXECUTION

3.1 INSTALLATION OF PIPING SPECIALTIES

A. Backflow Preventers: Install in each water supply to mechanical equipment and systems and to other equipment and water systems that may be sources of contamination. Comply with authorities having jurisdiction.

1. Locate backflow preventers in same room as connected equipment or system.
2. Install drain for backflow preventers with atmospheric-vent drain connection with air-gap fitting, fixed air-gap fitting, or equivalent positive pipe separation of at least two pipe diameters in drain piping and pipe-to-floor drain. Locate air-gap device attached to or under backflow preventer. Simple air breaks are unacceptable for this application.
3. Do not install bypass piping around backflow preventers.

B. Water Regulators: Install with inlet and outlet shutoff valves and bypass with memory-stop balancing valve. Install pressure gauges on inlet and outlet.

C. Balancing Valves: Install in locations where they can easily be adjusted. Set at indicated design flow rates.

D. Temperature-Actuated, Water Mixing Valves: Install with check stops or shutoff valves on inlets and with shutoff valve on outlet.

1. Install cabinet-type units recessed in or surface mounted on wall as specified.

E. Y-Pattern Strainers: For water, install on supply side of each water pressure-reducing valve and solenoid valve.

F. Water-Hammer Arresters: Install in water piping in accordance with PDI-WH 201.

G. Supply-Type, Trap-Seal Primer Device: Install with outlet piping pitched down toward drain trap a minimum of 1 percent, and connect to floor-drain body, trap, or inlet fitting. Adjust valve for proper flow.

H. Drainage-Type, Trap-Seal Primer Device: Install as lavatory trap with outlet piping pitched down toward drain trap a minimum of 1 percent, and connect to floor-drain body, trap, or inlet fitting.

3.2 PIPING CONNECTIONS

A. Drawings indicate general arrangement of piping, fittings, and specialties.

B. When installing piping specialties adjacent to equipment and machines, allow space for service and maintenance.

3.3 ELECTRICAL CONNECTIONS

A. Connect wiring in accordance with Section 26 05 19 "Low-Voltage Electrical Power Conductors and Cables."

B. Ground equipment in accordance with Section 26 05 26 "Grounding and Bonding for Electrical Systems."

C. Install electrical devices furnished by manufacturer, but not factory mounted, in accordance with NFPA 70 and NECA 1.

3.4 CONTROL CONNECTIONS

A. Connect control wiring in accordance with Section 26 05 23 "Control-Voltage Electrical Power Cables."

3.5 IDENTIFICATION

A. Plastic Labels for Equipment: Install engraved plastic-laminate equipment nameplate or sign on or near each of the following:

1. Vacuum breakers.
2. Backflow preventers.
3. Water pressure-reducing valves.
4. Balancing valves.
5. Temperature-actuated, water mixing valves.
6. Wall hydrants.
7. Trap-seal primer device.
8. System Drains

B. Distinguish among multiple units, inform operator of operational requirements, indicate safety and emergency precautions, and warn of hazards and improper operations, in addition to identifying unit. Nameplates and signs are specified in Section 22 05 53 "Identification for Plumbing Piping and Equipment."

3.6 ADJUSTING

A. Set field-adjustable pressure set points of water pressure-reducing valves.

B. Set field-adjustable flow set points of balancing valves.

C. Set field-adjustable temperature set points of temperature-actuated, water mixing valves.

D. Adjust each pressure vacuum breaker and reduced-pressure-principle backflow preventer and in accordance with manufacturer's written instructions, authorities having jurisdiction and the device's reference standard.

3.7 FIELD QUALITY CONTROL

A. Domestic water piping specialties will be considered defective if they do not pass tests and inspections.

END OF SECTION

SECTION 22 13 19 - SANITARY WASTE PIPING SPECIALTIES

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:
   1. Cleanouts.
   2. Miscellaneous sanitary drainage piping specialties.

1.2 ACTION SUBMITTALS

A. Product Data: For each type of product.

PART 2 - PRODUCTS

2.1 ASSEMBLY DESCRIPTIONS

A. Sanitary waste piping specialties shall bear label, stamp, or other markings of specified testing agency.

B. Comply with NSF 14 for plastic sanitary waste piping specialty components.

2.2 CLEANOUTS

A. Cast-Iron Exposed Cleanouts
   1. Standard: ASME A112.36.2M.
   2. Size: Same as connected drainage piping.
   3. Body Material: Hubless, cast-iron soil pipe test tee as required to match connected piping.
   4. Closure: Cast-iron plug.
   5. Closure Plug Size: Same as or not more than one size smaller than cleanout size.

B. Cast-Iron Exposed Floor Cleanouts
   1. Standard: ASME A112.36.2M for adjustable housing cleanout.
   2. Size: Same as connected branch.
   3. Type: Adjustable housing.
   4. Body or Ferrule: Cast iron.
   5. Outlet Connection: Spigot or Threaded.
   6. Closure: Cast-iron plug.
   7. Adjustable Housing Material: Cast iron or Plastic with threads or setscrews or other device.
   8. Frame and Cover Material and Finish: Painted cast iron or Rough bronze.
   9. Frame and Cover Shape: Round or Square, compatible with floor type.
   10. Top-Loading Classification: Medium Duty.
   11. Riser: ASTM A74, Service Class, cast-iron drainage pipe fitting and riser to cleanout.

C. Cast-Iron Wall Cleanouts

1. Standard: ASME A112.36.2M. Include wall access.
2. Size: Same as connected drainage piping.
3. Body: Hubless, cast-iron soil pipe test tee as required to match connected piping.
4. Closure Plug:

    a. Brass or Cast iron.
    b. Countersunk or raised head.
    c. Drilled and threaded for cover attachment screw.
    d. Size: Same as or not more than one size smaller than cleanout size.

5. Wall Access, Cover Plate: Round, flat, chrome-plated brass or stainless steel cover plate with screw.
6. Wall Access, Frame and Cover: Round, wall-installation frame and cover.

2.3 AIR-ADMITTANCE VALVES

A. Provide air-admittance valves only on remote fixtures where a vent to roof cannot be installed.

B. Fixture Air-Admittance Valves
1. Standard: ASSE 1051, Type A for single fixture or Type B for branch piping.
2. Housing: Plastic.
3. Operation: Mechanical sealing diaphragm.
4. Size: Same as connected fixture or branch vent piping.

C. Stack Air-Admittance Valves
1. Standard: ASSE 1050 for vent stacks.
2. Housing: Plastic.
3. Operation: Mechanical sealing diaphragm.
4. Size: Same as connected stack vent or vent stack.

2.4 MISCELLANEOUS SANITARY DRAINAGE PIPING SPECIALTIES

A. Air-Gap Fittings

1. Standard: ASME A112.1.2, for fitting designed to ensure fixed, positive air gap between installed inlet and outlet piping.
2. Body: Bronze or cast iron.
3. Inlet: Opening in top of body.
4. Outlet: Larger than inlet.
5. Size: Same as connected waste piping and with inlet large enough for associated indirect waste piping.

PART 3 - EXECUTION

3.1 INSTALLATION

A. Install backwater valves in building drain piping.

1. For interior installation, provide cleanout deck plate flush with floor and centered over backwater valve cover, and of adequate size to remove valve cover for servicing.

B. Install cleanouts in aboveground piping and building drain piping according to the following, unless otherwise indicated:

1. Size same as drainage piping up to NPS 4. Use NPS 4 for larger drainage piping unless larger cleanout is indicated.
2. Locate at each change in direction of piping greater than 45 degrees.
3. Locate at minimum intervals of 50 feet for piping NPS 4 and smaller and 100 feet for larger piping.
4. Locate at base of each vertical soil and waste stack.

C. For floor cleanouts for piping below floors, install cleanout deck plates with top flush with finished floor.

D. For cleanouts located in concealed piping, install cleanout wall access covers, of types indicated, with frame and cover flush with finished wall.

E. Assemble open drain fittings and install with top of hub 1 inch above floor.

F. Install deep-seal traps on floor drains and other waste outlets, if indicated.

G. Install floor-drain, trap-seal primer fittings on inlet to floor drains that require trap-seal primer connection.

1. Exception: Fitting may be omitted if trap has trap-seal primer connection.
2. Size: Same as floor drain inlet.

H. Install air-gap fittings on draining-type backflow preventers and on indirect-waste piping discharge into sanitary drainage system.

I. Install sleeve and sleeve seals with each riser and stack passing through floors with waterproof membrane.

J. Install vent caps on each vent pipe passing through roof.

K. Install wood-blocking reinforcement for wall-mounting-type specialties.

L. Install traps on plumbing specialty drain outlets. Omit traps on indirect wastes unless trap is indicated.

3.2 PIPING CONNECTIONS

A. Comply with requirements in Section 22 13 16 "Sanitary Waste and Vent Piping" for piping installation requirements. Drawings indicate general arrangement of piping, fittings, and specialties.

B. Install piping adjacent to equipment, to allow service and maintenance.

3.3 LABELING AND IDENTIFYING

A. Distinguish among multiple units, inform operator of operational requirements, indicate safety and emergency precautions, and warn of hazards and improper operations, in addition to identifying unit.

1. Nameplates and signs are specified in Section 22 05 53 "Identification for Plumbing Piping and Equipment."

3.4 PROTECTION

A. Protect drains during remainder of construction period to avoid clogging with dirt or debris and to prevent damage from traffic or construction work.

B. Place plugs in ends of uncompleted piping at end of each day or when work stops.

END OF SECTION

SECTION 223300 - ELECTRIC, DOMESTIC-WATER HEATERS

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Commercial, electric, storage, domestic-water heaters.
2. Domestic-water heater accessories.

1.2 ACTION SUBMITTALS

A. Product Data: For each type of product.

1. Include rated capacities, operating characteristics, electrical characteristics, furnished specialties and accessories.

B. Shop Drawings:

1. Include diagrams for power, signal, and control wiring.

2. Include diagrams and schematics showing plumbing connection sizes and locations.

1.3 INFORMATIONAL SUBMITTALS

A. Coordination Drawings: Equipment room drawing or BIM model, drawn to scale and coordinated with all building trades.

B. Product Certificates: For each type of commercial, electric, domestic-water heater.

C. Domestic-Water Heater Labeling: Certified and labeled by testing agency acceptable to authorities having jurisdiction.

D. Source quality-control reports.

E. Field quality-control reports.

F. Sample Warranty.

1.4 CLOSEOUT SUBMITTALS

A. Operation and Maintenance Data: For electric, domestic-water heaters to include emergency, operation, and maintenance manuals.

1.5 COORDINATION

A. Coordinate sizes and locations of concrete bases with actual equipment provided.

1.6 WARRANTY

A. Special Warranty: Manufacturer agrees to repair or replace components of electric, domestic-water heaters that fail in materials or workmanship within specified warranty period.

1. Warranty Periods: From date of Substantial Completion.

a. Commercial, Light-Duty, Storage, Electric, Domestic-Water Heaters:
1) Storage Tank: Five years.
2) Controls and Other Components: Three years.
b. Expansion Tanks: Five years.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

A. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, by an NRTL, and marked for intended location and use.

B. ASHRAE/IES Compliance: Applicable requirements in ASHRAE/IES 90.1.

C. ASME Compliance: Where ASME-code construction is indicated, fabricate and label commercial, domestic-water heater storage tanks to comply with ASME Boiler and Pressure Vessel Code: Section VIII, Division 1.

D. NSF Compliance: Fabricate and label equipment components that will be in contact with potable water to comply with NSF 61 and NSF 372.

2.2 COMMERCIAL, ELECTRIC, DOMESTIC-WATER HEATERS

A. Commercial, Electric, Domestic-Water Booster Heaters:

1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:

a. Lochinvar, LLC.
b. Rheem Manufacturing Company
c. General Electric Appliances
d. A.O. Smith Corporation

2. Standard: UL 1453.
3. Tank Construction: Steel.

a. Tappings: ASME B1.20.1 pipe thread.
b. Pressure Rating: 150 psig.

c. Interior Finish: Comply with NSF 61 and NSF 372 barrier materials for potable-water tank linings, including extending lining material into tappings.

4. Factory-Installed Tank Appurtenances:

a. Anode Rod: Replaceable magnesium.
b. Dip Tube: Required unless cold-water inlet is near bottom of tank.
c. Drain Valve: Corrosion-resistant metal with hose-end connection.
d. Insulation: Comply with ASHRAE/IES 90.1.
e. Jacket: Rectangular shaped, with stainless steel front panel, unless otherwise indicated.
f. Heat-Trap Fittings: Inlet type in cold-water inlet and outlet type in hot-water outlet.
g. Heating Elements: Electric, screw-in immersion type.
h. Temperature Control: Adjustable thermostat, to setting of at least 180 deg F.
i. Safety Controls: High-temperature-limit and low-water cutoff devices or systems.
j. Relief Valve: ASME rated and stamped for combination temperature-and-pressure relief valve. Include relieving capacity at least as great as heat input, and include pressure setting less than working-pressure rating of domestic-water heater. Select relief valve with sensing element that extends into storage tank.
k. Gauges: Combination temperature-and-pressure type or separate thermometer and pressure gauge.

2.3 DOMESTIC-WATER HEATER ACCESSORIES

A. Domestic-Water Expansion Tanks:
1. Description: Steel pressure-rated tank constructed with welded joints and factory-installed, butyl-rubber diaphragm. Include air precharge to minimum system-operating pressure at tank.
2. Construction:

a. Tappings: Factory-fabricated steel, welded to tank before testing and labeling. Include ASME B1.20.1 pipe thread.
b. Interior Finish: Comply with NSF 61 and NSF 372 barrier materials for potable-water tank linings, including extending finish into and through tank fittings and outlets.
c. Air-Charging Valve: Factory installed.

B. Drain Pans: Corrosion-resistant metal with raised edge. Include dimensions not less than base of domestic-water heater, and include drain outlet not less than NPS 3/4 with ASME B1.20.1 pipe threads.

C. Piping-Type Heat Traps: Field-fabricated piping arrangement in accordance with ASHRAE/IES 90.1.

D. Heat-Trap Fittings: ASHRAE/IES 90.1.

E. Combination Temperature-and-Pressure Relief Valves: ASME rated and stamped. Include relieving capacity at least as great as heat input, and include pressure setting less than working-pressure rating of domestic-water heater. Select relief valves with sensing element that extends into storage tank.

F. Pressure Relief Valves: ASME rated and stamped. Include pressure setting less than working-pressure rating of domestic-water heater.

G. Vacuum Relief Valves: ANSI Z21.22/CSA 4.4.

H. Shock Absorbers: ASSE 1010 or PDI-WH 201, Size A water hammer arrester.

I. Domestic-Water Heater Stands: Manufacturer's factory-fabricated steel stand for floor mounting, capable of supporting domestic-water heater and water. Include dimension that will support bottom of domestic-water heater a minimum of [**18 inches**] <**Insert dimension**> above the floor.

J. Domestic-Water Heater Mounting Brackets: Manufacturer's factory-fabricated steel bracket for wall mounting, capable of supporting domestic-water heater and water.

2.4 SOURCE QUALITY CONTROL

A. Factory Tests: Test and inspect domestic-water heaters specified to be ASME-code construction, in accordance with ASME Boiler and Pressure Vessel Code.

B. Hydrostatically test[domestic-water heaters to minimum of one and one-half times pressure rating before shipment.

C. Electric, domestic-water heaters will be considered defective if they do not pass tests and inspections.

D. Prepare test and inspection reports.

PART 3 - EXECUTION

3.1 DOMESTIC-WATER HEATER INSTALLATION

A. Commercial, Electric, Domestic-Water Heater Mounting: Install commercial, electric, domestic-water heaters on concrete base. Comply with requirements for concrete bases specified in Section 033000 "Cast-in-Place Concrete."

1. Exception: Omit concrete bases for commercial, electric, domestic-water heaters if installation on stand, bracket, suspended platform, or directly on floor is indicated.
2. Maintain manufacturer's recommended clearances.
3. Arrange units so controls and devices that require servicing are accessible.
4. Install dowel rods to connect concrete base to concrete floor. Unless otherwise indicated, install dowel rods on 18-inch centers around the full perimeter of concrete base.
5. For supported equipment, install epoxy-coated anchor bolts that extend through concrete base and anchor into structural concrete floor.
6. Place and secure anchorage devices. Use setting drawings, templates, diagrams, instructions, and directions furnished with items to be embedded.
7. Install anchor bolts to elevations required for proper attachment to supported equipment.
8. Anchor domestic-water heaters to substrate.

B. Install electric, domestic-water heaters level and plumb, in accordance with layout drawings, original design, and referenced standards. Maintain manufacturer's recommended clearances. Arrange units so controls and devices needing service are accessible.

1. Install shutoff valves on domestic-water-supply piping to domestic-water heaters and on domestic-hot-water outlet piping. Comply with requirements for shutoff valves specified in Section 220523 - General-Duty Valves for Plumbing Piping.

C. Install combination temperature-and-pressure relief valves in top portion of storage tanks. Use relief valves with sensing elements that extend into tanks. Extend domestic-water heater relief-valve outlet, with drain piping same as domestic-water piping in continuous downward pitch, and discharge by positive air gap onto closest floor drain.

D. Install water-heater drain piping as indirect waste to spill by positive air gap into open drains or over floor drains. Install hose-end drain valves at low points in water piping for electric, domestic-water heaters that do not have tank drains. Comply with requirements for hose-end drain valves specified in Section 221119 "Domestic Water Piping Specialties."

E. Install thermometers on outlet piping of electric, domestic-water heaters. Comply with requirements for thermometers specified in Section 220519 "Meters and Gages for Plumbing Piping."

F. Install thermometers on inlet and outlet piping of residential, solar, electric, domestic-water heaters. Comply with requirements for thermometers specified in Section 220519 "Meters and Gages for Plumbing Piping."

G. Install piping-type heat traps on inlet and outlet piping of electric, domestic-water heater storage tanks without integral or fitting-type heat traps.

H. Fill electric, domestic-water heaters with water.

I. Charge domestic-water expansion tanks with air to required system pressure.

J. Install domestic-water expansion tanks per manufacturer’s recommended instructions.

K. Install dielectric fittings in all locations where piping of dissimilar metals is to be joined. The wetted surface of the dielectric fitting contacted by potable water shall contain less than 0.25 percent of lead by weight.

3.2 PIPING CONNECTIONS

A. Comply with requirements for piping specified in Section 221116 "Domestic Water Piping." Drawings indicate general arrangement of piping, fittings, and specialties.

B. Where installing piping adjacent to electric, domestic-water heaters, allow space for service and maintenance of water heaters. Arrange piping for easy removal of domestic-water heaters.

3.3 IDENTIFICATION

A. Identify system components. Comply with requirements for identification specified in Section 220553 "Identification for Plumbing Piping and Equipment."

3.4 FIELD QUALITY CONTROL

A. Testing Agency: Owner will engage a qualified testing agency to perform tests and inspections.

B. Testing Agency: Engage a qualified testing agency to perform tests and inspections.

C. Manufacturer's Field Service: Engage a factory-authorized service representative to test and inspect components, assemblies, and equipment installations, including connections.

D. Perform tests and inspections.

E. Tests and Inspections:

1. Leak Test: After installation, charge system and test for leaks. Repair leaks and retest until no leaks exist.
2. Operational Test: After electrical circuitry has been energized, start units to confirm proper operation.
3. Test and adjust controls and safeties. Replace damaged and malfunctioning controls and equipment.

F. Electric, domestic-water heaters will be considered defective if they do not pass tests and inspections.

G. Prepare test and inspection reports.

END OF SECTION 223300

SECTION 22 42 16.16 - COMMERCIAL SINKS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section Includes:

1. Service sinks.
2. Utility sinks.
3. Sink faucets.
4. Supply fittings.
5. Waste fittings.

1.3 ACTION SUBMITTALS

A. Product Data: For each type of product.

1. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes for sinks.

PART 2 - PRODUCTS

A. Service Sinks - Floor Mounted Mop Basins

1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
   a. Advance Tabco
   b. Griffin Products, Inc.

2. Fixture:

   a. Standard: ASME A112.18.2/CSA B125.2.
   b. Shape: Square or Rectangular.
   c. Nominal Size: 24 by 24 inches to 24 by 36 inches maximum.
   d. Height: 10 inches deep bowl minimum.
   e. Rim Guard: On all top surfaces.
   f. Color: White or stainless steel or in accordance with interior finishes specification.
   g. Drain: Grid with NPS 3 outlet.

3. Mounting: On floor and flush to wall.
4. Faucet: Provide service faucet with vacuum breaker, per section 2.3 SINK FAUCETS herein.

2.2 UTILITY SINKS

A. Utility Sink SK-1: Stainless steel, freestanding.
   1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
      a. Elkay
      b. Eagle Group
      c. Just Manufacturing
      d. Advance Tabco
      e. Griffin Products, Inc.
   2. Fixture:
      a. Standard: ASME A112.19.3/CSA B45.4.
      b. Type: With backsplash.
      c. Side Trays: None.
      d. Number of Compartments: Three.
      e. Overall Width (not to exceed): 64”
      f. Metal Thickness: 16 Gauge
      g. Compartment:

         1) Dimensions: 18x24x13
         2) Drain: NPS 1-1/2 tailpiece with stopper. Route through sediment trap BS-2
         3) Drain Location: Centered in compartment.

      h. Drainboard(s): Both Left and Right side(s).

   3. Supports: Adjustable-length steel legs.
   4. Faucet(s): See “Sink Faucets” below.

      a. Number Required: Two.
      b. Mounting: On backsplash.

   5. Supply Fittings:

      a. Standard: ASME A112.18.1/CSA B125.1.
      b. Supplies: Chrome-plated brass compression stop with inlet connection matching water-supply piping type and size.

         1) Operation: Loose key.
         2) Risers: NPS 1/2, chrome-plated, rigid-copper pipe chrome-plated, soft-copper flexible tube or ASME A112.18.6, braided or corrugated stainless-steel flexible hose.

   6. Waste Fittings:

      a. Standard: ASME A112.18.2/CSA B125.2.
      b. Trap(s):

         1) Size: NPS 1-1/2.
         2) Material: Chrome-plated, two-piece, cast-brass trap and swivel elbow with 0.032-inch-thick brass tube to wall; and chrome-plated brass or steel wall flange.
         3) Material: Stainless-steel, two-piece trap and swivel elbow with 0.012-inch-thick stainless-steel tube to wall; and stainless-steel wall flange.
         4)

2.3 SINK FAUCETS

A. NSF Standard: Comply with NSF 372 for faucet-spout materials that will be in contact with potable water.

B. Sink Faucets: Manual type, two lever handle, mixing valve.

1. Commercial, Solid-Brass Faucets
2. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
   a. American Standard
   b. Delta
   c. Elkay
   d. Zurn Industries, LLC

3. Standard: ASME A112.18.1/CSA B125.1.
4. General: Include hot- and cold-water indicators; coordinate faucet inlets with supplies and fixture hole punchings; coordinate outlet with spout and sink receptor.
5. Body Type: Centerset.
6. Body Material: Commercial, solid brass.
7. Finish: Chrome plated.
8. Maximum Flow Rate: 1.5 GPM
9. Handle(s): Lever.
10. Mounting Type: Deck, exposed.
11. Spout Type: Arc Tube, 12”.
12. Vacuum Breaker: Required if hose outlet provided.
13. Spout Outlet: Hose thread according to ASME B1.20.7 or Plain end.

2.4 SUPPLY FITTINGS

A. NSF Standard: Comply with NSF 372 for supply-fitting materials that will be in contact with potable water.

B. Standard: ASME A112.18.1/CSA B125.1.

C. Supply Piping: Chrome-plated brass pipe or chrome-plated copper tube matching water-supply piping size. Include chrome-plated brass or stainless-steel wall flange.

D. Supply Stops: Chrome-plated brass, one-quarter-turn, ball-type or compression valve with inlet connection matching supply piping.

E. Operation: Loose key.

F. Risers:

1. NPS 1/2.
2. Chrome-plated, rigid-copper pipe, Chrome-plated, soft-copper flexible tube ASME A112.18.6, or braided or corrugated stainless-steel flexible hose.

2.5 WASTE FITTINGS

A. Standard: ASME A112.18.2/CSA B125.2.

B. Drain: Grid type with NPS 1-1/2 offset and straight tailpiece.

C. Trap:

1. Size: NPS 1-1/2.
2. Material: Chrome-plated, two-piece, cast-brass trap and swivel elbow with 0.032-inch-thick brass tube to wall; and chrome-plated brass or steel wall flange.
3. Material: Stainless-steel, two-piece trap and swivel elbow with 0.012-inch-thick stainless-steel tube to wall; and stainless-steel wall flange.

2.6 GREASE-REMOVAL DEVICES

A. Grease-Removal Devices: GT-1

1. Acceptable Manufacturers:
   a. JR Smith
   b. Zurn
   c. Watts
2. Standard: PDI G101 and ASME A112.14.4, for automatic intercepting and removal of FOG from food or wastewater.
3. Body Material: Stainless steel or Steel.
4. Interior Separation Device: Baffles.
5. Heater: Not Required .
6. Interior Lining: Gray Duco Coating or Approved Equivalent
7. Exterior Coating: Not required.
8. Inlet and Outlet Size: 4”
9. Cleanout: Integral.
10. Mounting: Above floor.
11. Flow-Control Fitting: Required.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine roughing-in of water supply and sanitary drainage and vent piping systems to verify actual locations of piping connections before sink installation.

B. Examine walls, floors, and counters for suitable conditions where sinks will be installed.

C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

A. Install sinks level and plumb according to roughing-in drawings.

B. Install accessible wall-mounted sinks at handicapped/elderly mounting height according to ICC/ANSI A117.1.

C. Set floor-mounted sinks in leveling bed of cement grout.

D. Install water-supply piping with stop on each supply to each sink faucet.

1. Install stops in locations where they can be easily reached for operation.

E. Install wall flanges or escutcheons at piping wall penetrations in exposed, finished locations. Use deep-pattern escutcheons if required to conceal protruding fittings. Comply with escutcheon requirements specified in Section 220518 "Escutcheons for Plumbing Piping."

F. Install protective shielding pipe covers and enclosures on exposed supplies and waste piping of accessible sinks. Comply with requirements in Section 220719 "Plumbing Piping Insulation."

3.3 CONNECTIONS

A. Connect sinks with water supplies, stops, and risers, and with traps, soil, waste, and vent piping. Use size fittings required to match fixtures.

B. Comply with water piping requirements specified in Section 221116 "Domestic Water Piping."

C. Comply with soil and waste piping requirements specified in Section 221316 "Sanitary Waste and Vent Piping."

3.4 ADJUSTING

A. Operate and adjust sinks and controls. Replace damaged and malfunctioning sinks, fittings, and controls.

B. Adjust water pressure at faucets to produce proper flow.

3.5 CLEANING AND PROTECTION

A. After completing installation of sinks, inspect and repair damaged finishes.

B. Clean sinks, faucets, and other fittings with manufacturers' recommended cleaning methods and materials.

C. Provide protective covering for installed sinks and fittings.

D. Do not allow use of sinks for temporary facilities unless approved in writing by Owner.

END OF SECTION

WESTFIELD

MONON TRAIL ELEMENTARY SOFTBALL CONCESSIONS & PRESSBOX

19400 TOMLINSON RD, WESTFIELD, IN 46074

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APRIL 15, 2022

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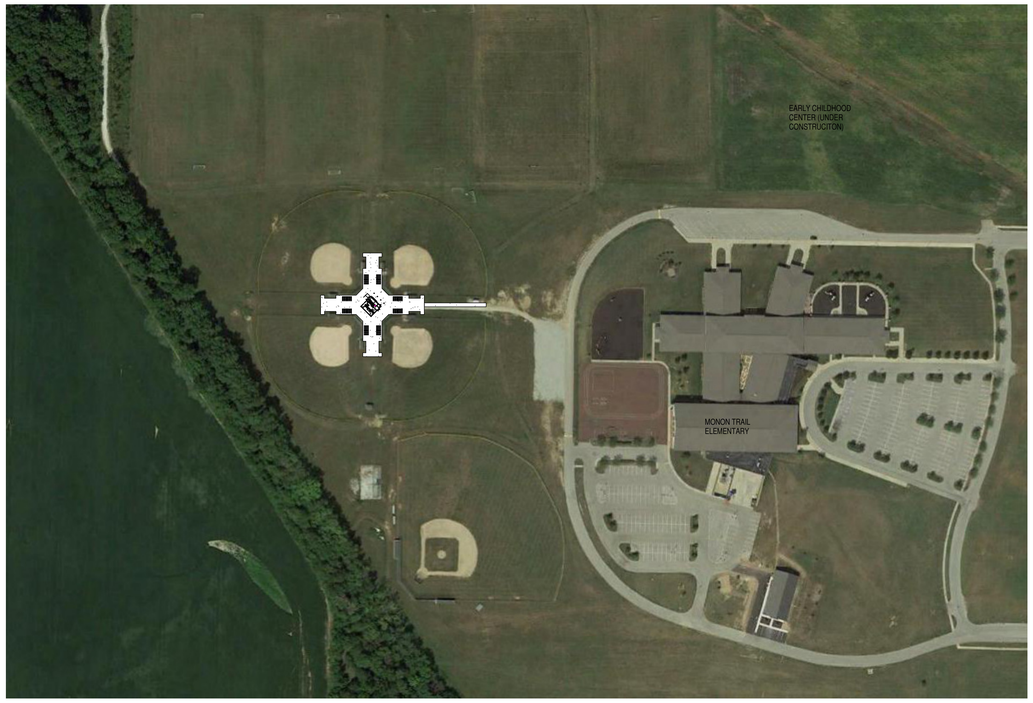

CONSTRUCTION MANAGER

SKILLMAN

ARCHITECT

CSO ARCHITECTURE · INTERIOR DESIGN

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MECHANICAL/ELECTRICAL/PLUMBING ENGINEER

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STRUCTURAL ENGINEER

Lynch, Harrison & Brumleve, Inc.

CIVIL ENGINEER

Cripe

LANDSCAPE ARCHITECT

context DESIGN

CSO
ARCHITECTURE - INTERIOR DESIGN
8831 Keystone Crossing, Indianapolis, IN 46240
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MONON TRAIL
SOFTBALL COMPLEX IMPROVEMENTS
CONSTRUCTION DOCUMENTS
19400 TOMLINSON RD, WESTFIELD, IN 46074

SCOPE DRAWINGS:

These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, the major architectural elements and the type of structural, mechanical and electrical systems.

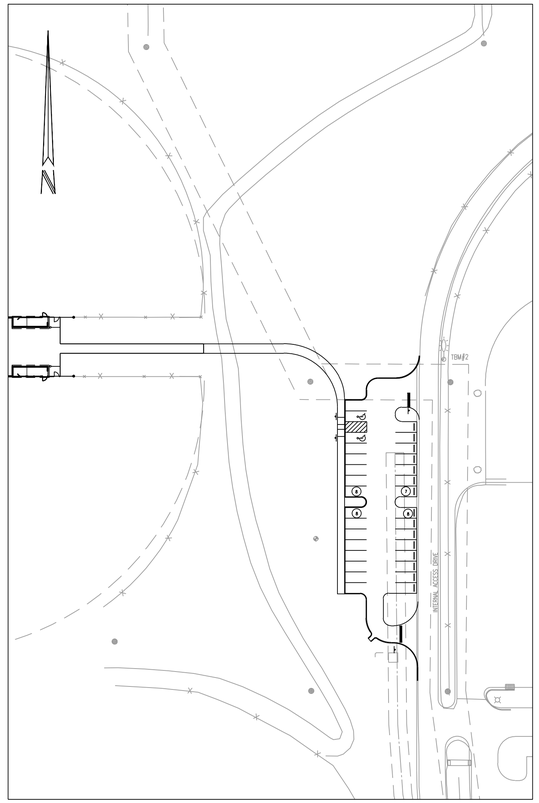
The drawings do not necessarily indicate or describe all work required for full performance and completion of the requirements of the Contract.

On the basis of the general scope indicated or described, the trade contractors shall furnish all items required for the proper execution and completion of the work.

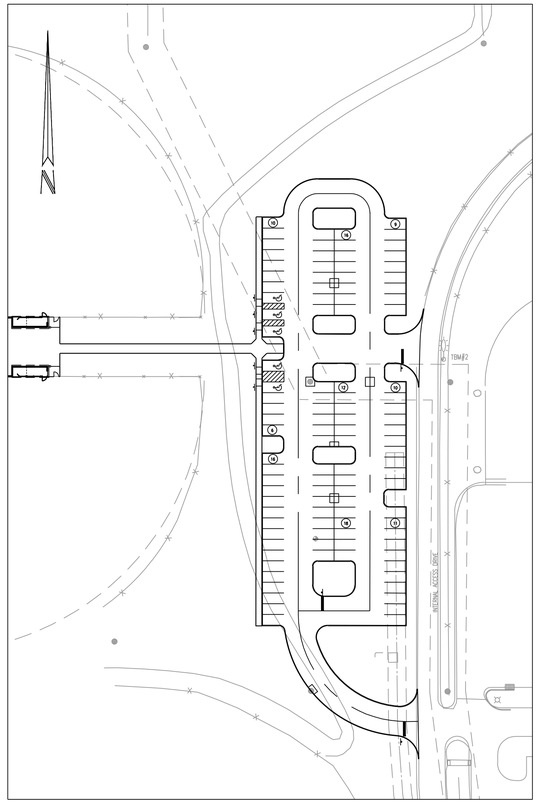
MONON TRAIL
SOFTBALL COMPLEX IMPROVEMENTS
100% CONSTRUCTION DOCUMENTS
SEPTEMBER 10, 2021

19139

DESIGN DEVELOPMENT PLANS FOR MONON TRAIL SOFTBALL COMPLEX PARKING LOT



BASE BID



ALTERNATE

CITY OF WESTFIELD NOTES:

ALL CONTRACTORS SHALL REVIEW CITY OF WESTFIELD STANDARDS AND SPECIFICATIONS PRIOR TO BIDDING ON THIS PROJECT. ADDITIONAL SPECIFICATIONS, NOT INCLUDED IN THIS SET OF PLANS, MAY BE REQUIRED:
HTTP://WWW.WESTFIELD.IN.GOV/EGOV/APPS/DOCUMENT/CENTER.EGOV?VIEW=ITEM;ID=50

THE PRESENCE OF A CITY OF WESTFIELD REVIEW AND ACCEPTANCE STAMP ON PLANS DOES NOT RELIEVE THE CONTRACTOR OR DEVELOPER FROM COMPLIANCE OF THE "CITY OF WESTFIELD CONSTRUCTION STANDARDS, LATEST EDITION". THIS REVIEW ONLY DESIGNATES THAT THE GENERAL CONFORMANCE WITH DESIGN AND SPECIFICATIONS HAVE BEEN MET. FIELD CHANGES MAY BECOME NECESSARY IN ORDER TO COMPLY WITH THE DETAILED CITY OF WESTFIELD SPECIFICATIONS.

EQUIVALENT RUNOFF UNIT (ERU) CALCULATIONS ARE REQUIRED FOR COMMERCIAL PROJECTS. (SF OF TOTAL IMPERVIOUS SURFACE)/ERU:
(BASE BID) 13,531 SF / 3500 = 3.87 STORMWATER UNITS
(ALTERNATE) 44,838 SF / 3500 = 12.81 STORMWATER UNITS

OWNER:

WESTFIELD-WASHINGTON SCHOOL
1143 EAST 181ST
WESTFIELD, IN 46074
Joe Montalone: (317) 867-8045
montalonej@wws.k12.in.us
FAX: (317) 867-0929

ARCHITECT:

CSO
JEFF OLSON JOLSON@CSOINC.NET 317-846-7800
8831 Keystone Crossing, Indianapolis, IN 46240
317.848.7800 | csoinc.net

ENGINEER:

Cripe
Solutions by Design Since 1937
9339 PRIORITY WAY WEST DRIVE, SUITE 100
INDIANAPOLIS, INDIANA 46240
Darci Pellom: (317) 706-6318
dpellom@cripe.biz

LANDSCAPE ARCHITECT:

context DESIGN
FRED PRAZEAU FPRASEAU@CONTEXT-DESIGN.COM 317-485-6900

LOCATION MAP:

VICINITY MAP:

PROJECT DATA:

PROJECT ADDRESS: 19400 TOMLINSON ROAD
PROJECT AREA: 0.05± AC (BASE BID)
2.05± AC (ALTERNATE)

SHEET INDEX:

SHEET	DESCRIPTION
C001	COVER SHEET
C101	EXISTING CONDITIONS AND DEMOLITION PLAN
C200	OVERALL DEVELOPMENT PLAN
C201	DETAILED DEVELOPMENT PLAN
C201A	DETAILED DEVELOPMENT PLAN (ALTERNATE)
C202	DEVELOPMENT DETAILS
C202A	DEVELOPMENT DETAILS (ALTERNATE)
C301	GRADING PLAN
C301A	GRADING PLAN (ALTERNATE)
C401	STORMWATER POLLUTION PREVENTION PLAN
C401A	STORMWATER POLLUTION PREVENTION PLAN (ALTERNATE)
C402	STORMWATER POLLUTION PREVENTION DETAILS
C403	STORMWATER POLLUTION PREVENTION NOTES
C701A	STORM PLAN AND PROFILES (ALTERNATE)

BENCHMARKS:

VERTICAL DATUM INFORMATION STATEMENT:
ORIGINATING BENCHMARK:

Indiana State Highway Commission (ISHC) disk found: Set in top of a concrete post, 104 feet South of 196th Street and 79 feet West of the Southbound lane of U.S. 31. [verified with check into G11].

Elev. = 903.48 (NAVD 88)

AGENCY & UTILITY INFO:

AGENCY/UTILITY	PHONE NUMBER
CITY OF WESTFIELD PLANING	
RACHEL RIENSCHNEIDER	317-531-3751
CITY OF WESTFIELD ENGINEERING	
JONATHAN NAIL	317-430-6750
PUBLIC WORKS - CITY OF WESTFIELD	
JOHN RANKIN	317-804-3147
FIRE DEPARTMENT - CITY OF WESTFIELD	
JAMES ROBERTS	317-804-3300
SURVEYOR - HAMILTON COUNTY	
SAM CLARK	317-776-8495
HAMILTON COUNTY SOIL AND WATER	317-773-2181
GAS - VECTREN	
CHAD MILLER	317-776-5550
ELECTRIC - DUKE ENERGY - NOBLESVILLE OFFICE	
JD COX	317-776-5350
COMMUNICATIONS - COMCAST CABLE	
EARL SMALL JR.	317-982-1161
COMMUNICATIONS - AT&T	
BRIAN WENTER	317-610-5440
CITIZENS WATER AND WASTEWATER OF WESTFIELD	
2150 DR. MARTIN LUTHER KING JR ST	
INDIANAPOLIS, IN 46202	
CAUTION BRAD HOSTETLER	317-927-4351

LOCATIONS OF ALL EXISTING UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE BASED UPON ABOVE GROUND EVIDENCE (INCLUDING, BUT NOT LIMITED TO, MANHOLES, INLETS, VALVES, AND MARKS MADE UPON THE GROUND BY OTHERS) AND ARE SPECULATIVE IN NATURE. THERE MAY ALSO BE OTHER EXISTING UNDERGROUND UTILITIES FOR WHICH THERE IS NO ABOVE GROUND EVIDENCE OR FOR WHICH NO ABOVE GROUND EVIDENCE WAS OBSERVED. THE EXACT LOCATIONS OF SAID EXISTING UNDERGROUND UTILITIES SHOULD BE VERIFIED BY THE CONTRACTOR PRIOR TO ANY AND ALL CONSTRUCTION.

CRIPE TEAM:

PROJECT MANAGER	DARCI PELLOM, PLA	317-706-6318
PROJECT ENGINEER	JOE BYRNE, PE	317-706-6319
DESIGN SPECIALIST	CALEB CHANCE	317-706-6325
DESIGN ASSOCIATE	SHANNON SHAW	317-706-6312
QUALITY ASSURANCE	GARY MURRAY, PE, LEED AP	317-706-6429

Revisions

Mark	Date	Description
1	05-03-22	ADDENDUM 1

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COVER SHEET
MONON TRAIL SOFTBALL COMPLEX PARKING LOT
WESTFIELD-WASHINGTON SCHOOL
19500 TOMLINSON ROAD
WESTFIELD, IN 46074

CERTIFIED BY:
GARY E. MURRAY
REGISTERED
LANDSCAPE
ARCHITECT
STATE OF
INDIANA
LP19500010
PROFESSIONAL ENGINEER
Date 04-15-2022

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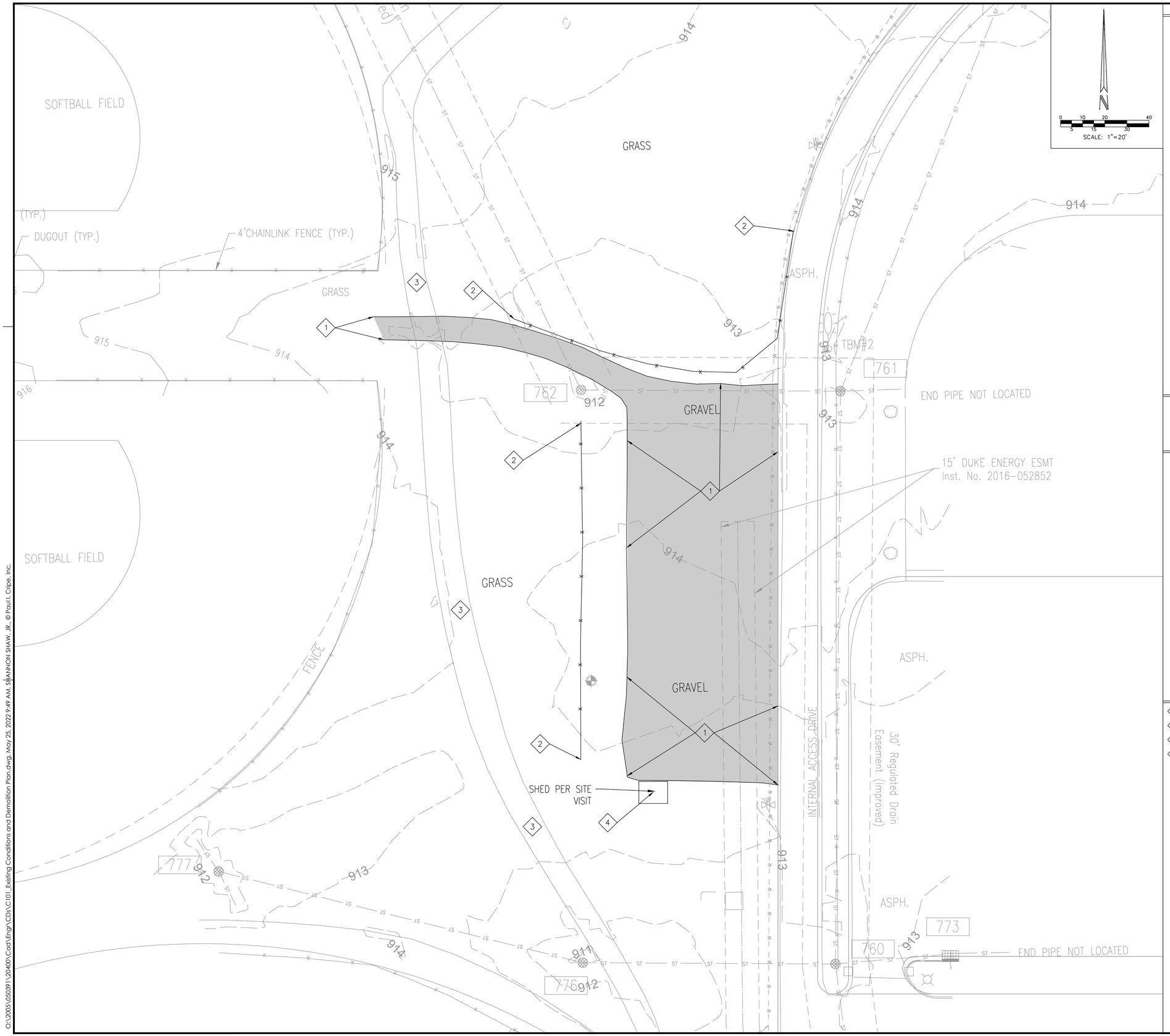
Drawn By: S. SHAW
Checked By: D. PELLOM, PLA
Quality Assurance: G. MURRAY, PE, LEED AP
Scale: 1" = 60'
Sheet C001
Date 04-15-2022
Project Number 050391-20400

O:\2005\050391\20400\Cad\Engr\CDs\C001_Cover Sheet.dwg, May 25, 2022 9:57 AM, SHANNON SHAW, JR., @ Paul| Cripe, Inc.



EXISTING CONDITIONS LEGEND

- SS — SANITARY SEWER & MANHOLE
- ST — STORM SEWER; END SECTION, INLET & M.H.
- G — GAS LINE
- W — WATER LINE
- E — ELECTRIC LINE (AERIAL)
- T — TELEPHONE LINE (AERIAL)
- CTV — CABLE TELEVISION (AERIAL)
- BTC — BURIED TELE. CABLE
- BEC — BURIED ELEC. CABLE
- FENCE LINE (FNC)
- BCTV — BURIED CABLE TV
- GUARDRAIL
- RIGHT OF WAY LINE (R/W)
- PROPERTY LINE
- EASEMENT LINE
- CENTER LINE
- SWALE LINE

- D. DEED DIMENSION
- M. MEASURED DIMENSION
- P. PLAT DIMENSION
- R. RADIUS
- L. ARC LENGTH
- H.H. HANDHOLE
- FND. FOUND
- CONC. CONCRETE
- ASPH. ASPHALT
- TC TOP OF CASTING ELEVATION
- IE INVERT ELEVATION
- FFE FINISH FLOOR ELEVATION
- TBM TEMPORARY BENCHMARK
- DENOTES A 5/8" DIA. REBAR WITH YELLOW PLASTIC CAP SET, CAP STAMPED "CRIPE FIRM NO. 0055" UNLESS OTHERWISE NOTED.
- DENOTES A MAG NAIL WITH WASHER SET, WASHER STAMPED "CRIPE FIRM NO. 0055" UNLESS OTHERWISE NOTED.

- POWER POLE
- GUY WIRE
- UTILITY RISER; TELEPHONE, ELECTRIC & CABLE TV
- ELECTRIC TRANSFORMER
- AIR CONDITIONER UNIT
- STREET LIGHT
- LIGHT POLE
- FLOOD LIGHT
- TRAFFIC MANHOLE AND SIGNAL POLE
- FIRE HYDRANT
- VALVE; GAS & WATER
- STREET SIGN
- WATER, TELEPHONE AND ELECTRIC MANHOLE
- SEWER CLEANOUT
- ELECTRIC, GAS AND WATER METER
- PIPELINE MARKER POST
- MAILBOX
- GUARD POST
- SPRINKLER HEAD
- IRRIGATION CONTROL BOX
- SPOT GRADE
- TOP CURB/GUTTER GRADE
- MONITORING WELL
- FIRE SERVICE STAND PIPE
- GAS VENT PIPE
- SEPTIC TANK LID
- WELL CAP
- AIR RELIEF VALVE
- UNDERGROUND TANK FILLER PIPE
- 123 SITE ADDRESS

DEMOLITION PLAN LEGEND

DEMOLITION PLAN NOTES

1. UTILITY LOCATIONS ARE APPROXIMATE. THE CONTRACTOR IS TO DETERMINE AND FIELD VERIFY ALL HORIZONTAL AND VERTICAL LOCATIONS OF THE UTILITIES PRIOR TO COMMENCEMENT OF CONSTRUCTION.
2. THE CONTRACTOR SHALL COORDINATE ALL WORK ASSOCIATED WITH THE ABANDONMENT, REMOVAL, RELOCATION, AND INSTALLATION OF UTILITIES WITH EVERY UTILITY COMPANY AND OBTAIN THEIR APPROVAL PRIOR TO PERFORMING ANY UTILITY WORK.
3. ALL DEMOLISHED MATERIAL TO BECOME THE PROPERTY OF THE CONTRACTOR UNLESS OTHERWISE NOTED, AND SHALL BE LEGALLY DISPOSED OF OFF-SITE.
4. CONTRACTOR SHALL INSTALL EROSION CONTROL MEASURES PER SHEET C401-C403 PRIOR TO COMMENCING DEMOLITION.
5. MAINTAIN PROPER DRAINAGE IN DEMOLITION AREAS.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING DAMAGE TO ALL BUILDINGS AND/OR SITE ENTITIES THAT ARE TO REMAIN.
7. THE CONCRETE TO BE SAWCUT SHALL BE SAWCUT TO THE NEAREST CONCRETE JOINT BEYOND THE LIMITS ILLUSTRATED. NOTIFY ENGINEER IF JOINT IS OVER ONE (1) FOOT FROM LINE SHOWN.
8. REMOVAL OR RELOCATION OF ALL LANDSCAPING MUST BE COORDINATED WITH OWNER.
9. CONTRACTOR TO ESTABLISH NEW LOCAL SURVEY CONTROL SYSTEM (VERTICAL AND HORIZONTAL) PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITY. MANY TEMPORARY BENCHMARKS UTILIZED IN THE PREPARATION OF THE TOPOGRAPHIC SURVEY FOR THE DESIGN WILL BE RELOCATED AS PART OF CONSTRUCTION.

KEYNOTE LEGEND

1. REMOVE GRAVEL ENTIRELY
2. REMOVE FENCE IN ITS ENTIRETY UNTIL NEXT INDICATED FENCE POST
3. PROTECT CROSS-COUNTRY TRAIL DURING CONSTRUCTION
4. REMOVE AND RELOCATE SHED. COORDINATE WITH OWNER

Revisions			
Mark	Date	Description	
1	05.23.22	ADDENDUM 1	

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EXISTING CONDITIONS AND DEMOLITION PLAN
MONON TRAIL SOFTBALL COMPLEX PARKING LOT
WESTFIELD-WASHINGTON SCHOOL
19500 TOMLINSON ROAD
WESTFIELD, IN 46074

CERTIFIED BY:

Gary E. Murray

GARY E. MURRAY
REGISTERED
LICENSED
PROFESSIONAL ENGINEER
STATE OF INDIANA

Date 04-15-2022

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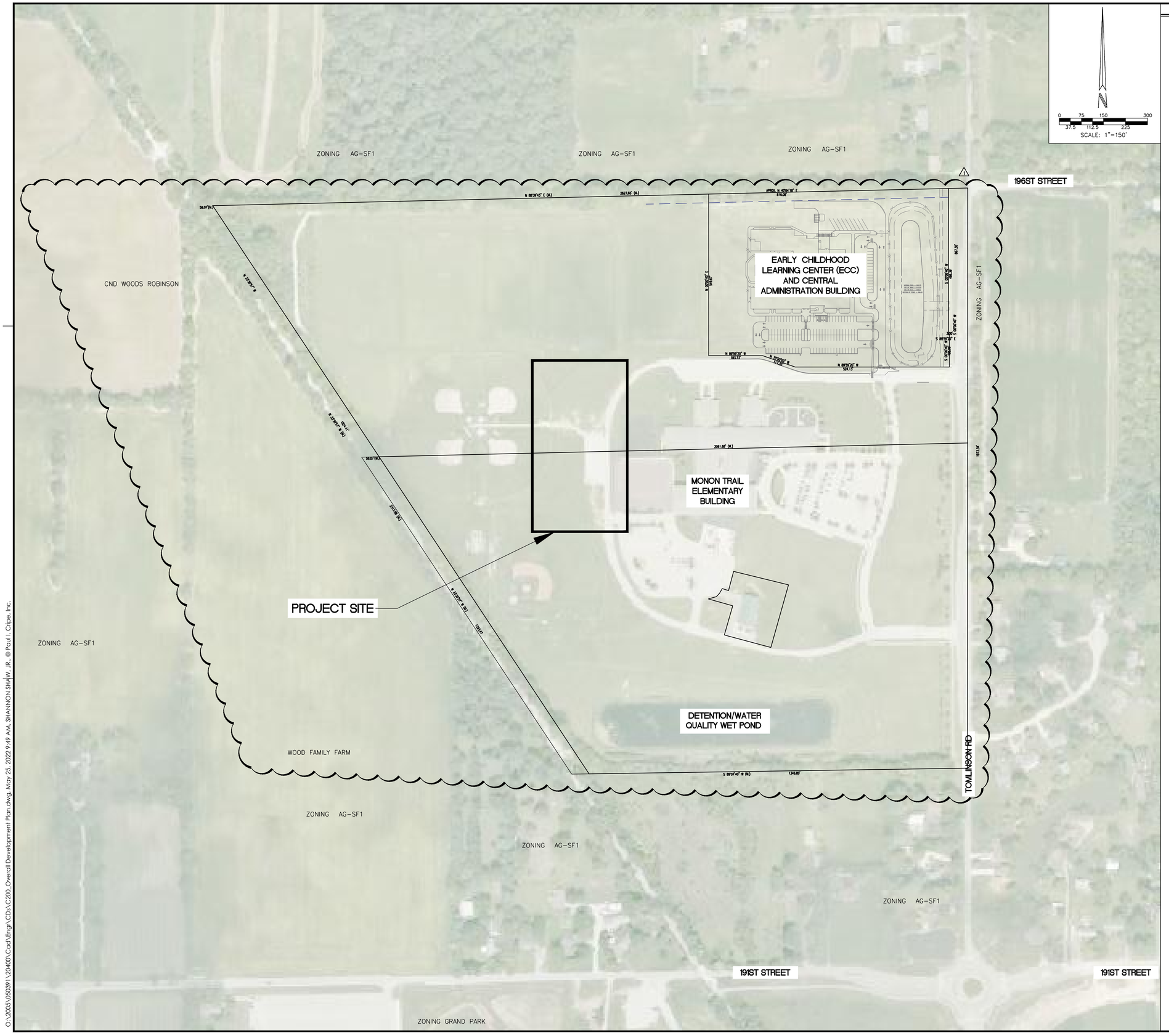
Drawn By: S. SHAW
Checked By: D. PELLOM, PLA
Quality Assurance: G. MURRAY, PE, LEED AP
Scale: 1" = 20'
Sheet C101
Date 04-15-2022
Project Number 050391-20400



0 75 150 300
37.5 112.5 225
SCALE: 1"=150'

SITE PLAN LEGEND

- PROPERTY LINE
- EASEMENT LINE
- CONSTRUCTION LIMITS
- FENCE
- GUARD RAIL
- BUILDING LIMITS

LEGAL DESCRIPTION:

A SURVEY OF PART OF THE NORTHWEST QUARTER OF SECTION 25, TOWNSHIP 19 NORTH, RANGE 3 EAST OF THE SECOND PRINCIPAL MERIDIAN IN WASHINGTON TOWNSHIP, HAMILTON COUNTY, INDIANA, DESCRIBED AS FOLLOWS:

COMMENCING AT A ONE INCH IRON PIPE AT THE SOUTHEAST CORNER OF SAID QUARTER SECTION; THENCE NORTH 00 DEGREES 00 MINUTES 00 SECONDS EAST (BASIS OF BEARINGS IS THE EAST LINE OF SAID QUARTER SECTION AS RECITED IN WARRANTY DEED RECORDED IN INSTRUMENT NUMBER 1999099686/9 IN THE OFFICE OF THE RECORDER OF THE COUNTY AND STATE AFORESAID) ON THE EAST LINE THEREOF 683.00 FEET TO THE NORTHEAST CORNER OF CORDERO AS DESCRIBED IN SAID WARRANTY DEED AND THE POINT OF BEGINNING; THENCE SOUTH 89 DEGREES 07 MINUTES 00 SECONDS WEST ON THE NORTH LINE OF SAID CORDERO AND THE WESTERLY EXTENSION THEREOF 1,346.89 FEET TO A 5/8 INCH BY 30 INCH REBAR WITH ORANGE PLASTIC CAP STAMPED HEI (THEREAFTER REFERRED TO AS A HEI MONUMENT) AT THE SOUTHWEST CORNER OF D AND W FARMS, INC., AS DESCRIBED IN QUITCLAIM DEED RECORDED IN INSTRUMENT NUMBER 9405173 IN THE OFFICE OF SAID RECORDER ON THE CENTERLINE OF THE NOW ABANDONED CSX RAILROAD; THENCE NORTH 33 DEGREES 31 MINUTES 37 SECONDS WEST ON THE WESTERLY LINE OF SAID D AND W FARMS, INC. AND SAID CENTERLINE 2318.23 FEET TO A HEI MONUMENT ON THE NORTH LINE OF SAID QUARTER SECTION, SAID MONUMENT BEING NORTH 88 DEGREES 39 MINUTES 32 SECONDS EAST 19.66 FEET FROM A STONE AT THE NORTHWEST CORNER OF SAID QUARTER SECTION; THENCE NORTH 88 DEGREES 39 MINUTES 32 SECONDS EAST ON SAID NORTH LINE 2627.87 FEET TO A 1/2 INCH REBAR AT THE NORTHEAST CORNER OF SAID QUARTER SECTION; THENCE SOUTH 00 DEGREES 00 MINUTES 00 SECONDS WEST ON THE EAST LINE THEREOF 1973.34 FEET TO THE POINT OF BEGINNING.

Revisions				
Mark	Date	Description	Mark	Date	Description
	05-02-22	ADDENDUM 1			

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OVERALL DEVELOPMENT PLAN
MONON TRAIL SOFTBALL COMPLEX PARKING LOT
WESTFIELD-WASHINGTON SCHOOL
19500 TOMLINSON ROAD
WESTFIELD, IN 46074

CERTIFIED BY:

Geary E. Murray

GEARY E. MURRAY
REGISTERED
LICENSED
PE 21002446
PROFESSIONAL ENGINEER
INDIANA

Date 04-15-2022

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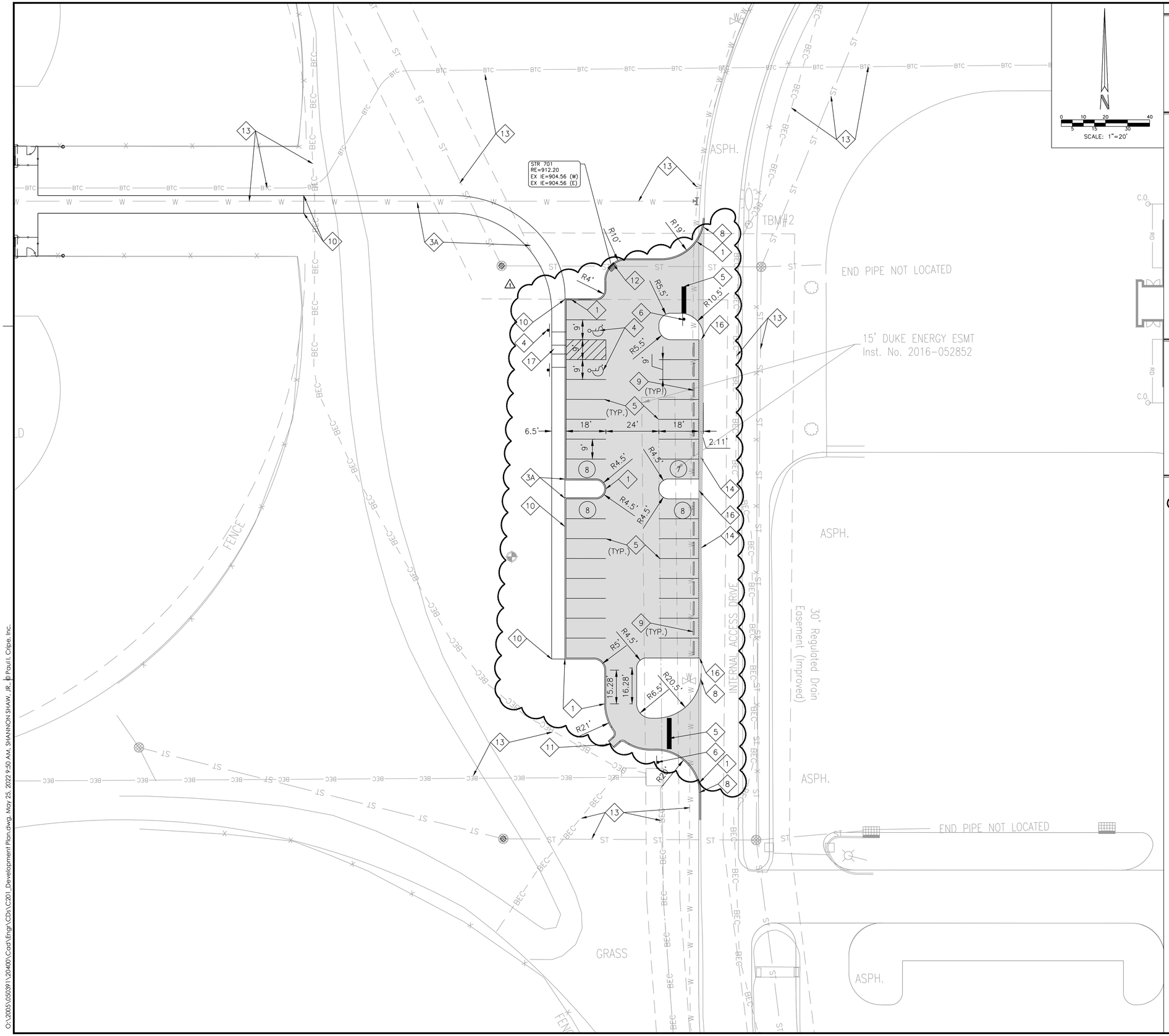
Checked By: D. PELLON, PLA
Quality Assurance: G. MURRAY, PE, LEED AP
Scale: 1" = 150'
Sheet C200
Date 04-15-2022
Project Number 050391-20400



SITE PLAN LEGEND

- EASEMENT LINE
- CONSTRUCTION LIMITS
- FENCE
- (00) PARKING = 31 SPACES

SITE WORK GENERAL NOTES AND SPECIFICATIONS

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING, OR VERIFYING, THAT ALL PERMITS AND APPROVALS ARE OBTAINED FROM THE RESPECTIVE CITY, COUNTY, STATE AND ANY OTHER REGULATORY AGENCIES PRIOR TO STARTING CONSTRUCTION.
2. EXISTING UTILITY LOCATIONS ARE APPROXIMATE. THE CONTRACTOR SHALL DETERMINE AND FIELD VERIFY ALL HORIZONTAL AND VERTICAL LOCATIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
3. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY AND OBTAIN APPROVAL FROM EACH RESPECTIVE UTILITY COMPANY PRIOR TO PERFORMING ANY WORK ON OR IN THE VICINITY OF EXISTING UTILITIES LINES AND APPURTENANCES.
4. IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER AND CONTRACTOR TO MAINTAIN QUALITY CONTROL THROUGHOUT THE PROJECT; FAILURE TO DO SO MAY RESULT IN REMOVAL AND REPLACEMENT OF THE DEFECTIVE WORK. IT IS RECOMMENDED THAT THE DEVELOPER HAVE A QUALIFIED INSPECTOR ON THE JOB SITE AT ALL TIMES DURING CONSTRUCTION.
5. ALL QUANTITIES GIVEN ON THE PRINTS, VERBALLY OR IN THE SCOPE OF WORK SECTION ARE ESTIMATES AND SHALL BE CONFIRMED BY THE BIDDING CONTRACTOR.
6. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS FOR EXCAVATIONS FINAL RULE 29 CFR PART 1926, SUBPART "P" APPLIES TO ALL EXCAVATIONS EXCEEDING FIVE (5) FEET IN DEPTH.
7. EXCAVATIONS EXCEEDING TWENTY (20) FEET IN DEPTH REQUIRE THE DESIGN OF A TRENCH SAFETY SYSTEM BY A REGISTERED PROFESSIONAL ENGINEER.
8. IT IS ESSENTIAL THAT THE WORK TO BE COMPLETED IN CONJUNCTION WITH THIS PROJECT SHALL BE INSTALLED ACCORDING TO THESE PLANS AND SPECIFICATIONS. THE ENGINEER WILL BE REQUIRED TO CERTIFY TO CERTAIN PORTIONS OF THIS PROJECT UPON COMPLETION. THEREFORE, IT IS NECESSARY TO OBTAIN APPROVAL AND ACCEPTANCE BY THE CITY THAT CONSTRUCTION WAS COMPLETED IN COMPLIANCE WITH THESE PLANS AND SPECIFICATIONS.
9. LOCATIONS & ELEVATIONS OF "FLOODWAY LIMITS" AND "100 YEAR FLOOD LIMITS" ARE SHOWN FOR REFERENCE ONLY. DEVELOPER/BUILDER/INDIVIDUAL LOT OWNER TO REFER TO NATIONAL FLOOD HAZARD INSURANCE MAP (F.E.M.A.) TO DETERMINE FLOOD HAZARD POTENTIAL PRIOR TO PROJECT CONSTRUCTION.

SITE PLAN NOTES

1. ALL RADII AND STREET DIMENSIONS SHALL BE MEASURED TO FACE OF CURB OR FACE OF INTEGRAL CURB AND WALK. ALL DIMENSIONS TO THE BUILDING ARE TO THE OUTSIDE OF BUILDING FOUNDATION WALL.

   ALL PAVEMENT AND/OR CURB RADII ARE NOTED ON THE PLAN.
2. BEARINGS, DIMENSIONS AND EASEMENTS ARE SHOWN FOR REFERENCE ONLY. REFER TO RECORDED BOUNDARY SURVEYS, ALTAS AND SECONDARY PLATS FOR EXACT INFORMATION.
3. ALL PARKING STALLS SHALL BE 9' X 20' WHERE ADJACENT TO SIDEWALK OR GRASS AREA. WHERE INTEGRAL CURB AND WALK IS ADJACENT TO A PARKING STALL, TWO (2) FEET OF SIDEWALK SHALL BE UTILIZED AS PARKING AREA OVERHANG. PARKING STALLS ARE DIMENSIONED TO THE FACE OF CURBS.
4. TEMPORARY TRAFFIC CONTROL DURING CONSTRUCTION SHALL CONFORM TO APPLICABLE LOCAL STANDARDS.
5. REFER TO SHEET C202 FOR DETAILS REFERENCED.
6. ANY DISCREPANCIES OR CONFLICTS WHICH BECOME APPARENT BEFORE OR DURING CONSTRUCTION SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD IMMEDIATELY SO THAT CLARIFICATION OR REDESIGN MAY OCCUR.

KEYNOTE LEGEND

1. STRAIGHT CURB
2. STANDARD ASPHALT PAVEMENT
3. CONNECT TO MONON CONCESSION SIDEWALK, REFER TO MONON CONCESSION BUILDING PLANS
3A. CONCRETE SIDEWALK, REFER TO LANDSCAPE PLANS
4. ACCESSIBLE PARKING SPACE WITH SIGN
5. PAVEMENT MARKING
6. STOP SIGN/DO NOT ENTER SIGN ON BACK
7. CONCRETE COLLAR
8. CURB END TRANSITION
9. CONCRETE PARKING STOP
10. COMBINED CURB AND WALK, REFER TO LANDSCAPE PLANS
11. CONCRETE CURB TURN-OUT
12. DOGHOUSE MANHOLE OVER EXISTING 24" PIPE
13. PROTECT EXISTING UTILITIES THROUGHOUT CONSTRUCTION
14. STONE MULCH SHOULDER
15. 20' OF 6" SUBSURFACE DRAINS
16. ⅜" X 5" COMMERCIAL GALVANIZED STEEL EDGE
17. ACCESSIBLE RAMP WITH DEPRESSED CURB

Revisions					
Mark	Date	Description	Mark	Date	Description
	05-23-22	ADDENDUM 1			

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DEVELOPMENT PLAN

MONON TRAIL SOFTBALL COMPLEX PARKING LOT

WESTFIELD-WASHINGTON SCHOOL

19500 TOMLINSON ROAD
WESTFIELD, IN 46074

CERTIFIED BY:

Gary E. Murray

GARY E. MURRAY — REGISTERED — LICENSED — PROFESSIONAL ENGINEER — INDIANA

Date 04-15-2022

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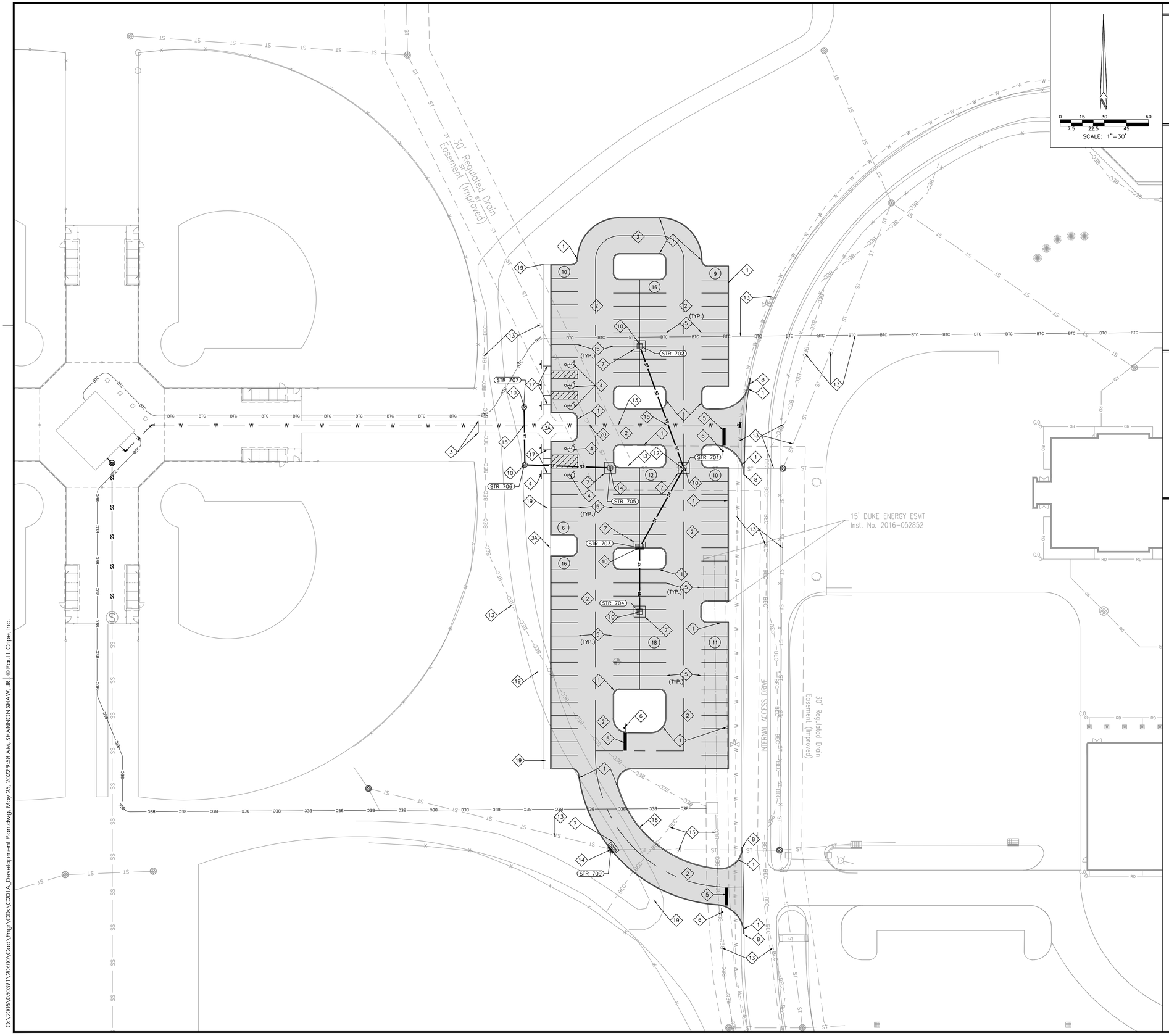
Drawn By: S. SHAW
Checked By: D. PELLOM, PLA
Quality Assurance: G. MURRAY, PE, LEED AP
Scale: 1" = 20'
Sheet: C201
Date: 04-15-2022
Project Number: 050391-20400



SITE PLAN LEGEND

EASEMENT LINE

FENCE

BUILDING LIMITS

(00) PARKING COUNTS = 108 PARKING SPACES

SITE WORK GENERAL NOTES AND SPECIFICATIONS

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING, OR VERIFYING, THAT ALL PERMITS AND APPROVALS ARE OBTAINED FROM THE RESPECTIVE CITY, COUNTY, STATE AND ANY OTHER REGULATORY AGENCIES PRIOR TO STARTING CONSTRUCTION.
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4. IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER AND CONTRACTOR TO MAINTAIN QUALITY CONTROL THROUGHOUT THE PROJECT; FAILURE TO DO SO MAY RESULT IN REMOVAL AND REPLACEMENT OF THE DEFECTIVE WORK. IT IS RECOMMENDED THAT THE DEVELOPER HAVE A QUALIFIED INSPECTOR ON THE JOB SITE AT ALL TIMES DURING CONSTRUCTION.
5. ALL QUANTITIES GIVEN ON THE PRINTS, VERBALLY OR IN THE SCOPE OF WORK SECTION ARE ESTIMATES AND SHALL BE CONFIRMED BY THE BIDDING CONTRACTOR.
6. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS FOR EXCAVATIONS FINAL RULE 29 CFR PART 1926, SUBPART "P" APPLIES TO ALL EXCAVATIONS EXCEEDING FIVE (5) FEET IN DEPTH.
7. EXCAVATIONS EXCEEDING TWENTY (20) FEET IN DEPTH REQUIRE THE DESIGN OF A TRENCH SAFETY SYSTEM BY A REGISTERED PROFESSIONAL ENGINEER.
8. IT IS ESSENTIAL THAT THE WORK TO BE COMPLETED IN CONJUNCTION WITH THIS PROJECT SHALL BE INSTALLED ACCORDING TO THESE PLANS AND SPECIFICATIONS. THE ENGINEER WILL BE REQUIRED TO CERTIFY TO CERTAIN PORTIONS OF THIS PROJECT UPON COMPLETION. THEREFORE, IT IS NECESSARY TO OBTAIN APPROVAL AND ACCEPTANCE BY THE CITY THAT CONSTRUCTION WAS COMPLETED IN COMPLIANCE WITH THESE PLANS AND SPECIFICATIONS.
9. LOCATIONS & ELEVATIONS OF "FLOODWAY LIMITS" AND "100 YEAR FLOOD LIMITS" ARE SHOWN FOR REFERENCE ONLY. DEVELOPER/BUILDER/INDIVIDUAL LOT OWNER TO REFER TO NATIONAL FLOOD HAZARD INSURANCE MAP (F.E.M.A.) TO DETERMINE FLOOD HAZARD POTENTIAL PRIOR TO PROJECT CONSTRUCTION.

SITE PLAN NOTES

1. ALL RADII AND STREET DIMENSIONS SHALL BE MEASURED TO BACK OF CURB OR FACE OF INTEGRAL CURB AND WALK. ALL DIMENSIONS TO THE BUILDING ARE TO THE OUTSIDE OF BUILDING FOUNDATION WALL.
2. BEARINGS, DIMENSIONS AND EASEMENTS ARE SHOWN FOR REFERENCE ONLY. REFER TO RECORDED BOUNDARY SURVEYS, ALTAS AND SECONDARY PLATS FOR EXACT INFORMATION.
3. ALL PARKING STALLS SHALL BE 9' X 20' WHERE ADJACENT TO SIDEWALK OR GRASS AREA. WHERE INTEGRAL CURB AND WALK IS ADJACENT TO A PARKING STALL, TWO (2) FEET OF SIDEWALK SHALL BE UTILIZED AS PARKING AREA OVERHANG. PARKING STALLS ARE DIMENSIONED TO THE FACE OF CURBS.
4.
5. REFER TO LANDSCAPE ARCHITECTURAL PLANS FOR PEDESTRIAN CONNECTIVITY.
6. TEMPORARY TRAFFIC CONTROL DURING CONSTRUCTION SHALL CONFORM TO APPLICABLE LOCAL STANDARDS.
7. REFER TO SHEET C202 FOR DETAILS REFERENCED.
8. REFER TO SHEET C701A FOR STORM PLAN AND PROFILES.
9. ANY DISCREPANCIES OR CONFLICTS WHICH BECOME APPARENT BEFORE OR DURING CONSTRUCTION SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD IMMEDIATELY SO THAT CLARIFICATION OR REDESIGN MAY OCCUR.

KEYNOTE LEGEND

1. STRAIGHT CURB
2. STANDARD ASPHALT PAVEMENT
3. CONNECT TO MONON CONCESSION SIDEWALK, SEE MONON CONCESSION BUILDING PLANS
3A. CONCRETE SIDEWALK, REFER TO LANDSCAPE PLANS
4. ACCESSIBLE PARKING SPACE WITH SIGN
5. PAVEMENT MARKING
6. STOP SIGN
7. CONCRETE COLLAR
8. CURB END TRANSITION
9. NOT USED
10. STORM STRUCTURE
11. REPLACE CASTING AND ADJUST STRUCTURE TO PROPOSED GRADE
12. DOGHOUSE MANHOLE OVER EXISTING 24" PIPE
13. PROTECT EXITING UTILITIES
14. CORE DRILL EXISTING STRUCTURE. REHABILITATE IF NECESSARY.
15. PROPOSED STORM/UTILITY CROSSING; LOWER WAER LINE TO MAINTAIN 18" VERTICAL SEPARATION BETWEEN UTILITIES
16. DEPRESSED CURB
17. ACCESSIBLE RAMP WITH DEPRESSED CURB
18. RELOCATE CROSS-COUNTRY TRAIL TO ACCOMMODATE PARKING LOT
19. COMBINED CURB AND WALK, REFER TO LANDSCAPE PLANS

Revisions				
Mark	Date	Description	Mark	Date	Description
	05-23-22	ADDENDUM 1			

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SURVEY + 3D LASER SCANNING
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DEVELOPMENT PLAN
MONON TRAIL SOFTBALL COMPLEX PARKING LOT
WESTFIELD-WASHINGTON SCHOOL

19500 TOMLINSON ROAD
WESTFIELD, IN 46074

CERTIFIED BY:

Gary E. Murray

GARY E. MURRAY
REGISTERED
LANDSCAPE
ARCHITECT
STATE OF
INDIANA
PROFESSIONAL ENGINEER

Date 04-15-2022

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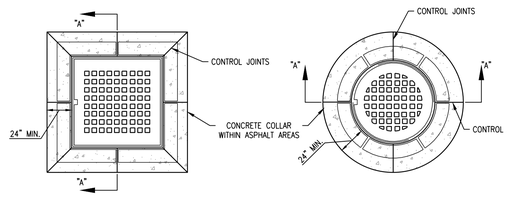
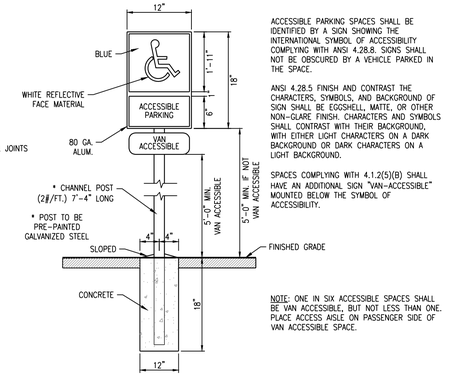
Checked By: D. PELLOM, PLA
Quality Assurance: G. MURRAY, PE, LEED AP
Scale: 1" = 30'

Sheet C201A
Date 04-15-2022
Project Number 050391-20400



CONCRETE COLLAR

NOT TO SCALE



ACCESSIBLE PARKING SPACES SHALL BE IDENTIFIED BY A SIGN SHOWING THE INTERNATIONAL SYMBOL OF ACCESSIBILITY COMPLYING WITH ANSI 4.28.8. SIGNS SHALL NOT BE OBSCURED BY A VEHICLE PARKED IN THE SPACE.

ANSI 4.28.5 FINISH AND CONTRAST THE CHARACTERS, SYMBOLS, AND BACKGROUND OF SIGN SHALL BE EGGSHELL, MATTE, OR OTHER NON-GLARE FINISH. CHARACTERS AND SYMBOLS SHALL CONTRAST WITH THEIR BACKGROUND, WITH EITHER LIGHT CHARACTERS ON A DARK BACKGROUND OR DARK CHARACTERS ON A LIGHT BACKGROUND.

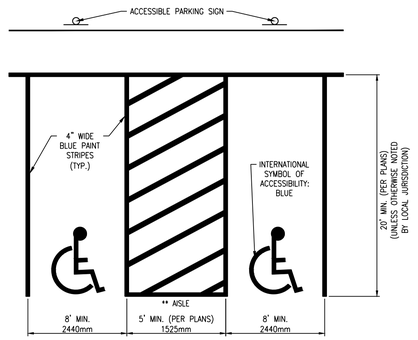
SPACES COMPLYING WITH 4.1.2(5)(B) SHALL HAVE AN ADDITIONAL SIGN "VAN-ACCESSIBLE" MOUNTED BELOW THE SYMBOL OF ACCESSIBILITY.

NOTE: ONE IN SIX ACCESSIBLE SPACES SHALL BE VAN ACCESSIBLE, BUT NOT LESS THAN ONE. PLACE ACCESS AISLE ON PASSENGER SIDE OF VAN ACCESSIBLE SPACE.

ACCESSIBLE PARKING SIGN

NOT TO SCALE

ACCESSIBLE PARKING SPACES SHALL BE IDENTIFIED BY A SIGN SHOWING THE INTERNATIONAL SYMBOL OF ACCESSIBILITY COMPLYING WITH ANSI 4.28.8. SIGNS SHALL NOT BE OBSCURED BY A VEHICLE PARKED IN THE SPACE. SEE ACCESSIBLE PARKING SIGN DETAIL.

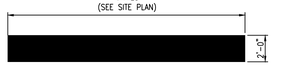


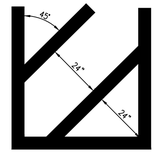
*SEE SITE PLAN FOR ACTUAL DIMENSIONS

NOTE: ONE IN SIX ACCESSIBLE SPACES SHALL BE VAN ACCESSIBLE, BUT NOT LESS THAN ONE. SURFACE GRADE SHALL BE 2% OR FLATTER

ACCESSIBLE PARKING SPACE

NOT TO SCALE

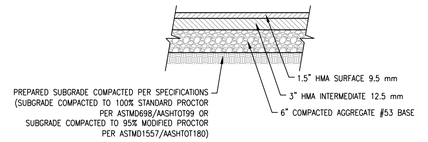




4" SOLID WHITE LINE PAVEMENT MARKINGS
4" SOLID BLUE LINE PAVEMENT MARKINGS FOR ADA ISLANDS

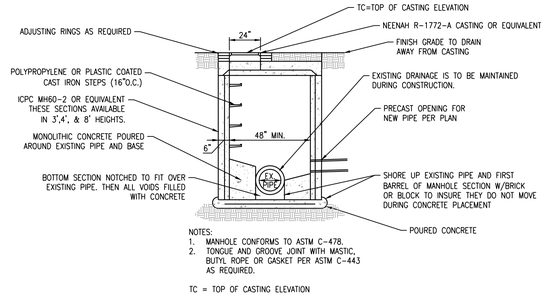
PAVEMENT MARKINGS

NOT TO SCALE



STANDARD ASPHALT PAVEMENT SECTION

NOT TO SCALE

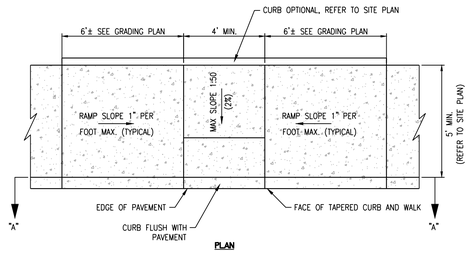


NOTES:
1. MANHOLE CONFORMS TO ASTM C-478.
2. TONGUE AND GROOVE JOINT WITH MASTIC, BUTYL ROPE OR GASKET PER ASTM C-443 AS REQUIRED.

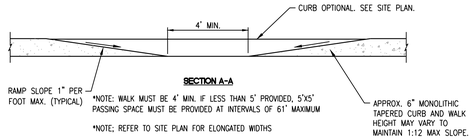
TC = TOP OF CASTING ELEVATION

NEW MANHOLE OVER EX. PIPE

NOT TO SCALE



PLAN



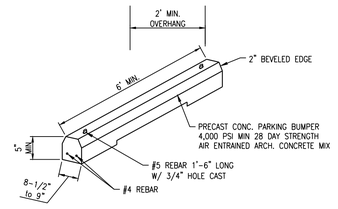
SECTION A-A

*NOTE: WALK MUST BE 4' MIN. IF LESS THAN 5' PROVIDED, 5'X5' PASSING SPACE MUST BE PROVIDED AT INTERVALS OF 61' MAXIMUM

*NOTE; REFER TO SITE PLAN FOR ELONGATED WIDTHS

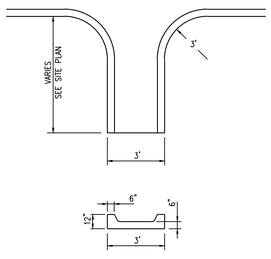
ACCESSIBLE RAMP WITH DEPRESSED CURB

NOT TO SCALE



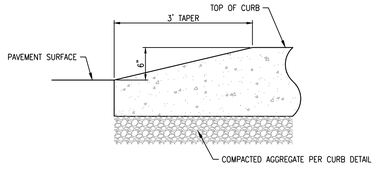
CONCRETE PARKING BUMPER

NOT TO SCALE



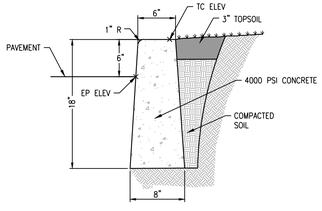
CURB TURNOUT

NOT TO SCALE



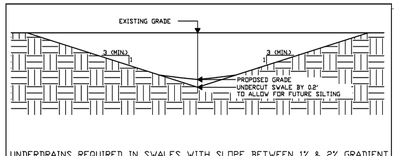
CURB END TRANSITION

NOT TO SCALE

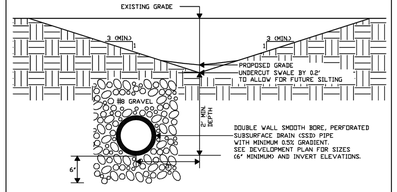


CONCRETE STRAIGHT CURB

NOT TO SCALE



UNDERDRAINS REQUIRED IN SWALES WITH SLOPE BETWEEN 1% & 2% GRADIENT



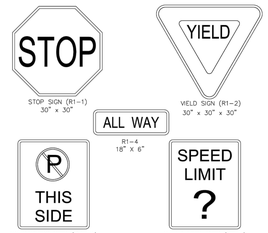
MINIMUM CHANNEL SLOPE 1% GRADIENT

TYPICAL SWALE DETAIL

CITY OF WESTFIELD, INDIANA

4/1/13 DATE

FIGURE ST-43



NOTES:
1. SIGNS SHALL BE SINGLE FACED WITH HIGH INTENSITY REFLECTORIZED SHEETING ON 0.080" THICK ALUMINUM SHEET MATERIAL PER INDOT STANDARD SPECIFICATION 919.
2. POSTS SHALL BE 12'-0" LONG, 2lb/ft GALVANIZED U-CHANNEL SIGN POST INDOT STANDARD SPECIFICATION 910.14.
3. ALL SIGNS, 36" AND GREATER, SHALL BE; DOUBLE POSTED, 14'-0" LONG, 3lb/ft GALVANIZED U-CHANNEL POST PER INDOT STANDARD SPECIFICATION 910.14.
4. ALL SIGN SIZES, SHAPES, COLORS AND MATERIAL SHALL MEET THE INDIANA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

STREET SIGNS - SIGN DETAILS

CITY OF WESTFIELD, INDIANA

2/26/16 DATE

FIGURE 2500-015d

Revisions				
Mark	Date	Description	Mark	Date	Description
1	05-23-22	ADDENDUM 1			

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MONON TRAIL SOFTBALL COMPLEX PARKING LOT
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19500 TOMLINSON ROAD
WESTFIELD, IN 46074

CERTIFIED BY:

GARY E. MURRAY
REGISTERED
LANDSCAPE
ARCHITECT
STATE OF
INDIANA
PROFESSIONAL ENGINEER

Date 04-15-2022

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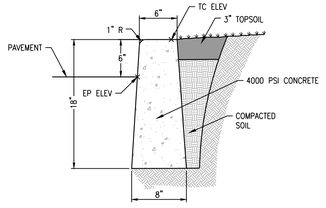
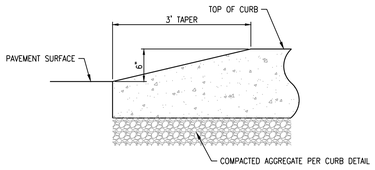
Checked By: D. PELLOM, PLA
Quality Assurance: G. MURRAY, PE LEED AP
Scale: 1" =

Sheet C202
Date 04-15-2022
Project Number 050391-20400



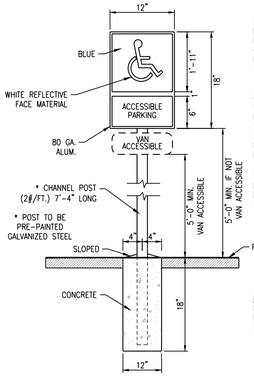
CONCRETE STRAIGHT CURB

NOT TO SCALE



CURB END TRANSITION

NOT TO SCALE



ACCESSIBLE PARKING SPACES SHALL BE IDENTIFIED BY A SIGN SHOWING THE INTERNATIONAL SYMBOL OF ACCESSIBILITY COMPLYING WITH ANSI 4.28.8. SIGNS SHALL NOT BE OBSCURED BY A VEHICLE PARKED IN THE SPACE.

ANSI 4.28.5 FINISH AND CONTRAST THE CHARACTERS, SYMBOLS, AND BACKGROUND OF SIGN SHALL BE EGGSHELL, MATTE, OR OTHER NON-GLARE FINISH. CHARACTERS AND SYMBOLS SHALL CONTRAST WITH THEIR BACKGROUND, WITH EITHER LIGHT CHARACTERS ON A DARK BACKGROUND OR DARK CHARACTERS ON A LIGHT BACKGROUND.

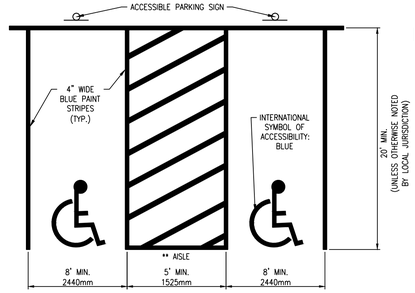
SPACES COMPLYING WITH 4.1.2(5)(B) SHALL HAVE AN ADDITIONAL SIGN "VAN-ACCESSIBLE" MOUNTED BELOW THE SYMBOL OF ACCESSIBILITY.

NOTE: ONE IN SIX ACCESSIBLE SPACES SHALL BE VAN ACCESSIBLE, BUT NOT LESS THAN ONE. PLACE ACCESS AISLE ON PASSENGER SIDE OF VAN ACCESSIBLE SPACE.

ACCESSIBLE PARKING SIGN

NOT TO SCALE

ACCESSIBLE PARKING SPACES SHALL BE IDENTIFIED BY A SIGN SHOWING THE INTERNATIONAL SYMBOL OF ACCESSIBILITY COMPLYING WITH ANSI 4.28.8.
SIGNS SHALL BE OF HEIGHT AS NOT TO BE OBSCURED BY A VEHICLE PARKED IN THE SPACE. SEE ACCESSIBLE PARKING SIGN DETAIL.



** 8'-0" MIN. AISLE FOR VAN ACCESSIBLE SPACES
SEE SITE PLAN FOR ACTUAL DIMENSIONS

NOTE: ONE IN SIX ACCESSIBLE SPACES SHALL BE VAN ACCESSIBLE, BUT NOT LESS THAN ONE. SURFACE GRADE SHALL BE 2% MAX. OR FLATTER

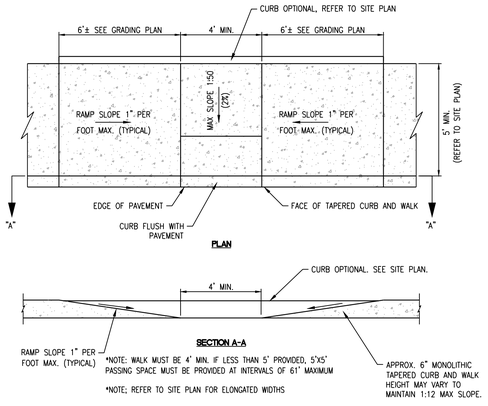
ACCESSIBLE PARKING SPACE

NOT TO SCALE

4" SOLID WHITE LINE PAVEMENT MARKINGS
4" SOLID BLUE LINE PAVEMENT MARKINGS FOR ADA AISLES

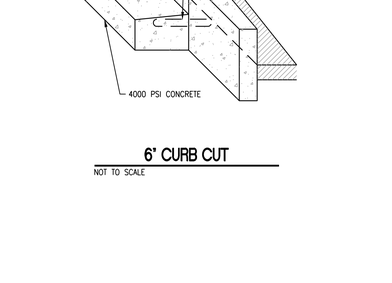
PAVEMENT MARKINGS

NOT TO SCALE



ACCESSIBLE RAMP WITH DEPRESSED CURB

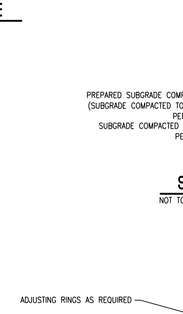
NOT TO SCALE



A	C	D
24"	27"	48"
24"	36"	60"
24"	48"	72"
28"	60"	96"

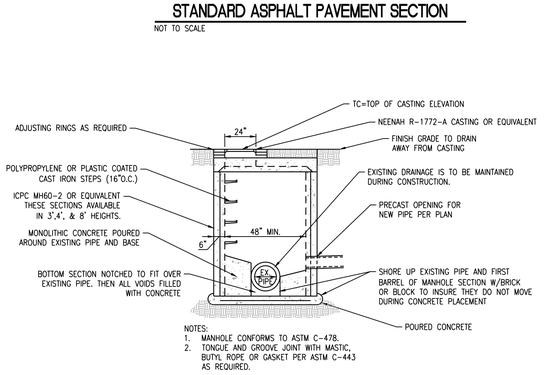
STORM MANHOLE WITH CONE TYPE REDUCER

NOT TO SCALE



STANDARD ASPHALT PAVEMENT SECTION

NOT TO SCALE

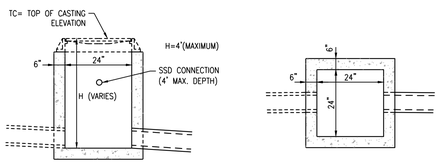


NEW MANHOLE OVER EX. PIPE

NOT TO SCALE

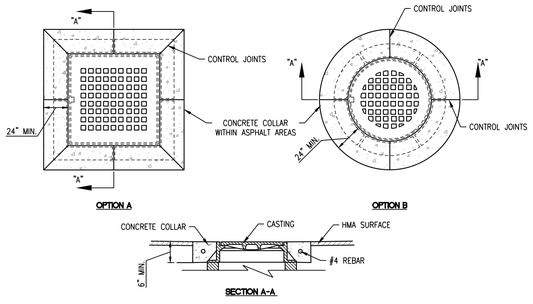
CASTING SCHEDULE				
EJIW	NEENAH	TYPE	USE	DIM
7490-M1	R-3501-N	CURB INLET	LOW POINT	24" X 24"
7495-LH-RH	R-3501-TL-TR	CURB INLET	FLOW LEFT OR RIGHT	25" X 27"
–	R-3405	INLET	PARKING LOT	25" X 25"
–	R-2501	GRATE	PARKING LOT	24"ø
6489	R-4342	DITCH GRATE	SWALES	24"ø

* REQUIRES FLAT TOP WITH 24"ø OPENING



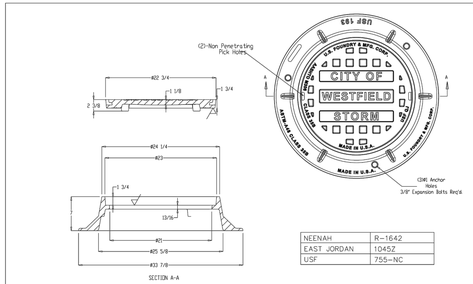
PRECAST TYPE "A" INLET

NOT TO SCALE



CONCRETE COLLAR

NOT TO SCALE



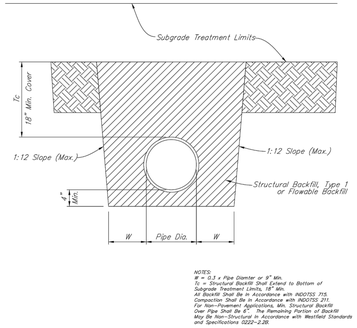
NEENAH	R-1642
EAST JORDAN	1045Z
USF	755-NC

MANHOLE SOLID LID CASTING DETAIL

CITY OF WESTFIELD INDIANA

2/26/16 DATE

FIGURE ST-07



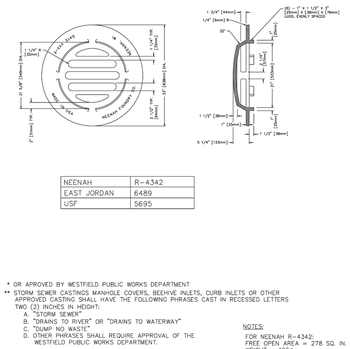
NOTES:
W = 0.5 x Pipe Diameter or 8" Min.
Type 1 Structural Backfill Shall Extend to Bottom of Subgrade Treatment Limits, 18" Min.
All Backfill Shall Be in Accordance with INDOT03 715.
Compaction Shall Be in Accordance with INDOT03 211.
For Non-Flowable Applications, Min. Structural Backfill Type 1 Shall Be Used. Flowable Backfill Shall Be Used May Be Non-Structural in Accordance with Westfield Standards and Specifications 0222-2.26

UTILITY BACKFILL DETAILS

CITY OF WESTFIELD, INDIANA

2/10/17 DATE

FIGURE 2222-001



NEENAH	R-4342
EAST JORDAN	6489
USF	5695

* OR APPROVED BY WESTFIELD PUBLIC WORKS DEPARTMENT
** STORM SEWER CASTINGS MANHOLE COVERS, BEEHIVE INLETS, CURB INLETS OR OTHER APPROVED CASTING SHALL HAVE THE FOLLOWING PHRASES CAST IN RECESSED LETTERS TWO (2) INCHES IN HEIGHT:
A. "STORM SEWER"
B. "DRAINS TO RIVER" OR "DRAINS TO WATERWAY"
C. "DUMP NO WASTE"
D. OTHER PHRASES SHALL REQUIRE APPROVAL OF THE WESTFIELD PUBLIC WORKS DEPARTMENT.

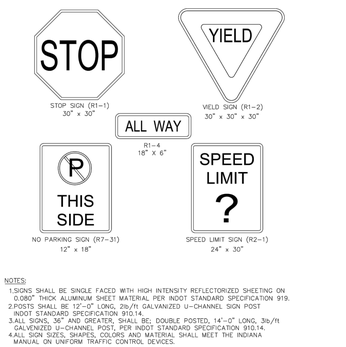
NOTES:
FOR NEENAH R-4342:
FREE OPEN AREA = 278 SQ. IN.
WEIGHT = 196#

BEEHIVE INLET CASTING

CITY OF WESTFIELD, INDIANA

2/26/16 DATE

FIGURE ST-10



NOTES:
1.SIGNS SHALL BE SINGLE FACED WITH HIGH INTENSITY REFLECTORIZED SHEETING ON 0.080" THICK ALUMINUM SHEET MATERIAL PER INDOT STANDARD SPECIFICATION 919.
2.POSTS SHALL BE 12'-0" LONG, 2lb/ft GALVANIZED U-CHANNEL SIGN POST INDOT STANDARD SPECIFICATION 910.14.
3.ALL SIGNS, 36" AND GREATER, SHALL BE; DOUBLE POSTED, 14'-0" LONG, 3lb/ft GALVENIZED U-CHANNEL POST, PER INDOT STANDARD SPECIFICATION 910.14.
4.ALL SIGN SIZES, SHAPES, COLORS AND MATERIAL SHALL MEET THE INDIANA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

STREET SIGNS – SIGN DETAILS

CITY OF WESTFIELD, INDIANA

2/26/16 DATE

FIGURE 2500-015d

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Revisions							
Mark	Date	Description	Mark	Date	Description		
	05-23-22	ADDENDUM 1					

DEVELOPMENT DETAILS
MONON TRAIL SOFTBALL COMPLEX PARKING LOT
WESTFIELD-WASHINGTON SCHOOL
19500 TOMLINSON ROAD
WESTFIELD, IN 46074

CERTIFIED BY:

Gary E. Murray

GARY E. MURRAY
REGISTERED
LICENSED
PROFESSIONAL ENGINEER
STATE OF INDIANA

Date 04-15-2022

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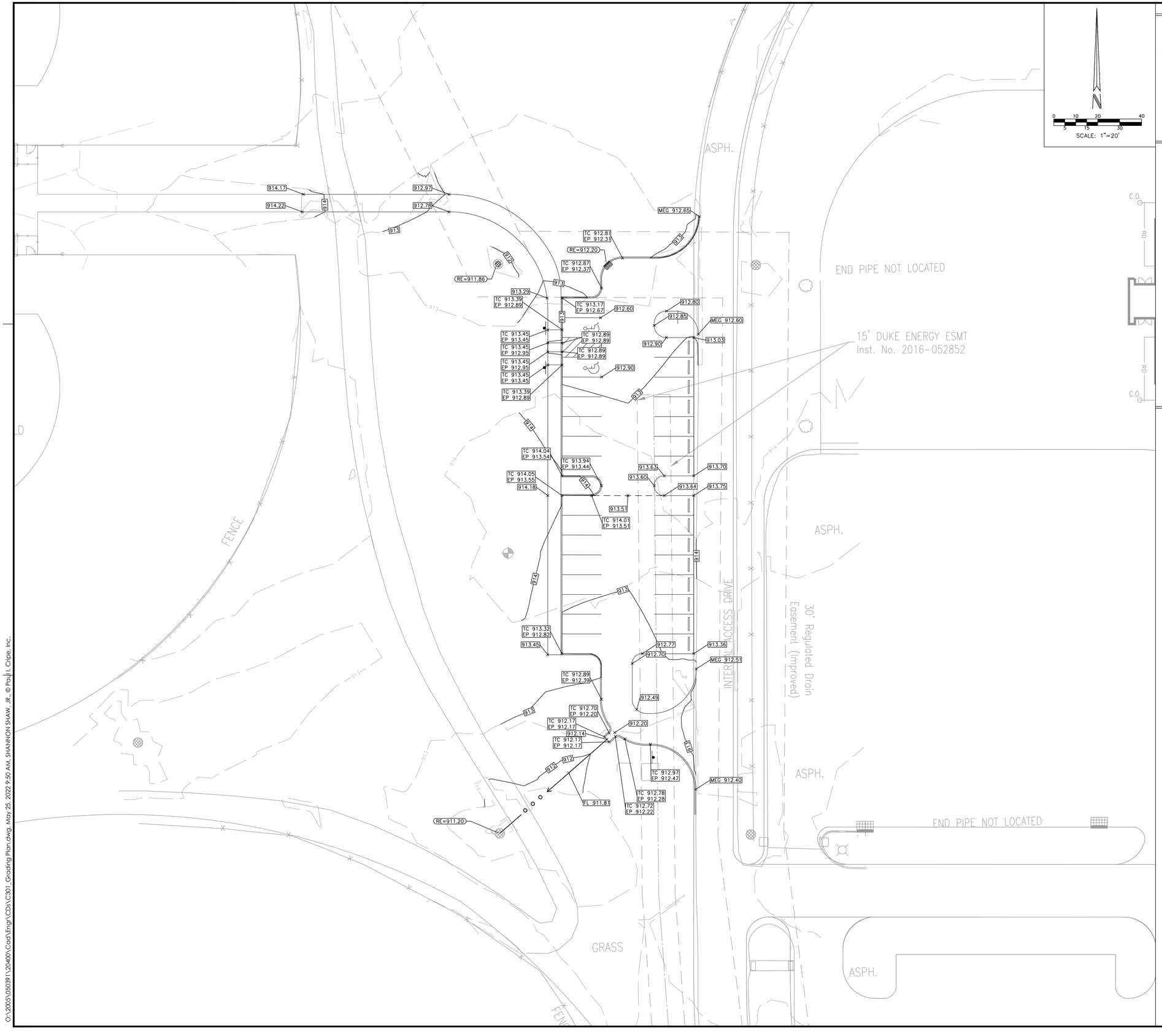
Drawn By: S. SHAW
Checked By: D. FELLOM, PLA
Quality Assurance: G. MURRAY, PE, LEED AP
Scale: 1"=

Sheet C202A
Date 04-15-2022
Project Number 050391-20400



GRADING PLAN LEGEND

- PROPOSED 1' CONTOUR (801)
- PROPOSED 5' CONTOUR (800)
- SWALE @ 1.0% — PROPOSED SWALE
- SWALE @ 1.0% — PROPOSED SWALE WITH SUB-SURFACE DRAIN
- GRADE BREAK LINE
- FLOOD ROUTE PATH
- DRAINAGE FLOW ARROW
- 800.00 — PROPOSED GRADE
- MEG — MATCH EXISTING GRADE
- TC 800.50 / EP 800.00 — PROPOSED TOP OF CURB / PROPOSED EDGE OF PAVEMENT
- TW 800.50 / BW 800.00 — PROPOSED TOP OF WALL / PROPOSED BOTTOM OF WALL
- FFE=800.00 — FINISHED FLOOR ELEVATION
- RE=800.00 — RIM ELEVATION

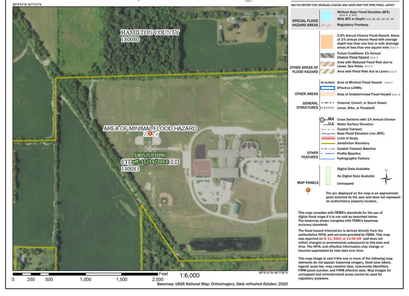
GRADING PLAN NOTES

1. UTILITY LOCATIONS ARE APPROXIMATE. THE CONTRACTOR IS TO DETERMINE AND FIELD VERIFY ALL HORIZONTAL AND VERTICAL LOCATIONS OF THE UTILITIES PRIOR TO COMMENCEMENT OF CONSTRUCTION.
2. TOPOGRAPHIC AND PLANIMETRIC INFORMATION FROM PHOTOGRAPHIC COMPILATION HAS BEEN PROVIDED BY OTHERS. THE ACCURACY HAS NOT BEEN CONFIRMED BY CRIPE. ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER OF RECORD.
3. ALL GRADES AT BOUNDARY SHALL MEET EXISTING GRADES.
4. RIM ELEVATION (RE) SHALL INDICATE THE ELEVATION THAT WATER WOULD ENTER THE CRATE FOR ALL CASTINGS. IF CASTING HAS SOLID LID, THE RE IS THE LID ELEVATION.
5. BUILDING PAD AREAS AND PAVED AREAS DESIGNATED FOR FILL SHALL BE CONSTRUCTED OF SUITABLE FILL MATERIAL AND COMPACTED PER SPECIFICATIONS. ALL FILL AREAS SHALL BE STRIPPED OF TOPSOIL PRIOR TO PLACEMENT OF FILL.
6. ANY EXCESS SOIL MATERIAL SHALL BE EXPORTED FROM THE SITE AFTER CONSTRUCTION IS COMPLETED.
7. TOPSOIL SHALL BE PLACED IN LAWN, LANDSCAPE, MOUNDING AND NONSTRUCTURAL FILL AREAS. UPON COMPLETION OF MASS EARTHWORK, TOPSOIL SHALL BE SPREAD TO A DEPTH OF FOUR TO SIX (4 TO 6) INCHES IN AREAS LISTED ABOVE. TOPSOIL SHALL NOT BE UTILIZED AS STRUCTURAL FILL IN PAVED AREAS.
8. CONTRACTOR SHALL PRESERVE EXISTING TREES WHEREVER POSSIBLE. CLEARING LIMITS SHALL CONSIST OF ALL TREES WITHIN PAVED AREAS, UTILITY INSTALLATION LIMITS, AND CUT/FILL AREAS.
9. A GEOTECHNICAL REPORT HAS NOT BEEN PROVIDED FOR THIS PROJECT. CONTRACTOR TO PERFORM A SITE VISIT PRIOR TO PROJECT BID. THE ENGINEER HAS BASED RECOMMENDATIONS UPON NRCS MAPS AND GENERAL KNOWLEDGE OF SOILS CONDITIONS IN THE AREA.
10. ANY DISCREPANCIES OR CONFLICTS WHICH BECOME APPARENT BEFORE OR DURING CONSTRUCTION SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD IMMEDIATELY SO THAT CLARIFICATION OR REDESIGN MAY OCCUR.
11. GRADES ARE BASED ON EXISTING DUGOUTS REMAINING (BASE BID). SELECTION OF ALTERNATE BID WILL REQUIRE UPDATED GRADING.

FLOODPLAIN NOTES

1. THE SITE IS LOCATED WITHIN THE FLOOD HAZARD ZONE "X" PER THE FLOOD INSURANCE RATE MAP, COMMUNITY PANEL NO. 18057C0109G, REVISED OCTOBER 2020.

National Flood Hazard Layer FIRMette



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Date 04-15-2022

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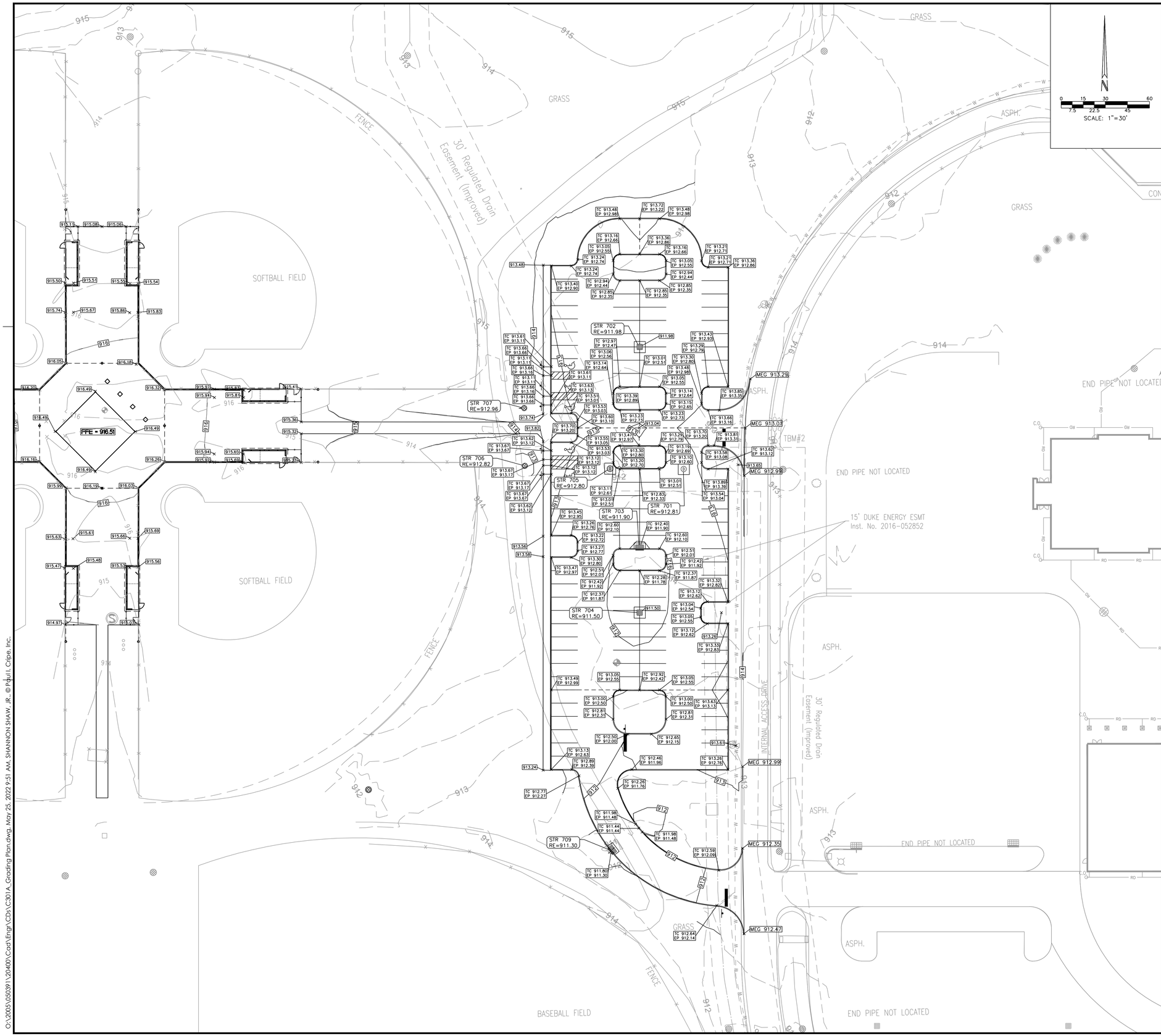
Drawn By: S. SHAW
Checked By: D. PELLOM, PLA
Quality Assurance: G. MURRAY, PE, LEED AP
Scale: 1" = 20'
Sheet C301
Date 04-15-2022
Project Number 050391-20400



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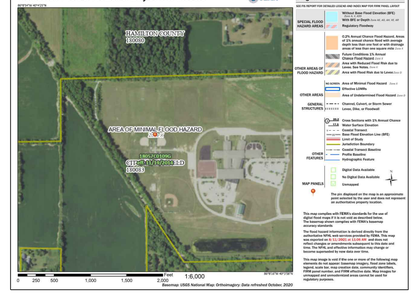
National Flood Hazard Layer FIRMette — FEMA



This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards.

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 5/1/2022 at 12:09:43 and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

Basemap: USGS National Map: Orthoimagery: Data: refreshed October, 2020

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MONON TRAIL SOFTBALL COMPLEX PARKING LOT

WESTFIELD-WASHINGTON SCHOOL

19500 TOMLINSON ROAD
WESTFIELD, IN 46074

CERTIFIED BY:

Gary E. Murray

GARY E. MURRAY — REGISTERED — 10000245 — STATE OF INDIANA — PROFESSIONAL ENGINEER

Date 04-15-2022

811 — 1-800-382-5544 (OR 811) FOR CALLS IN INDIANA

Drawn By: S. SHAW
Checked By: D. PELLOM, PLA
Quality Assurance: G. MURRAY, PE, LEED AP
Scale: 1" = 30'
Sheet: C301A
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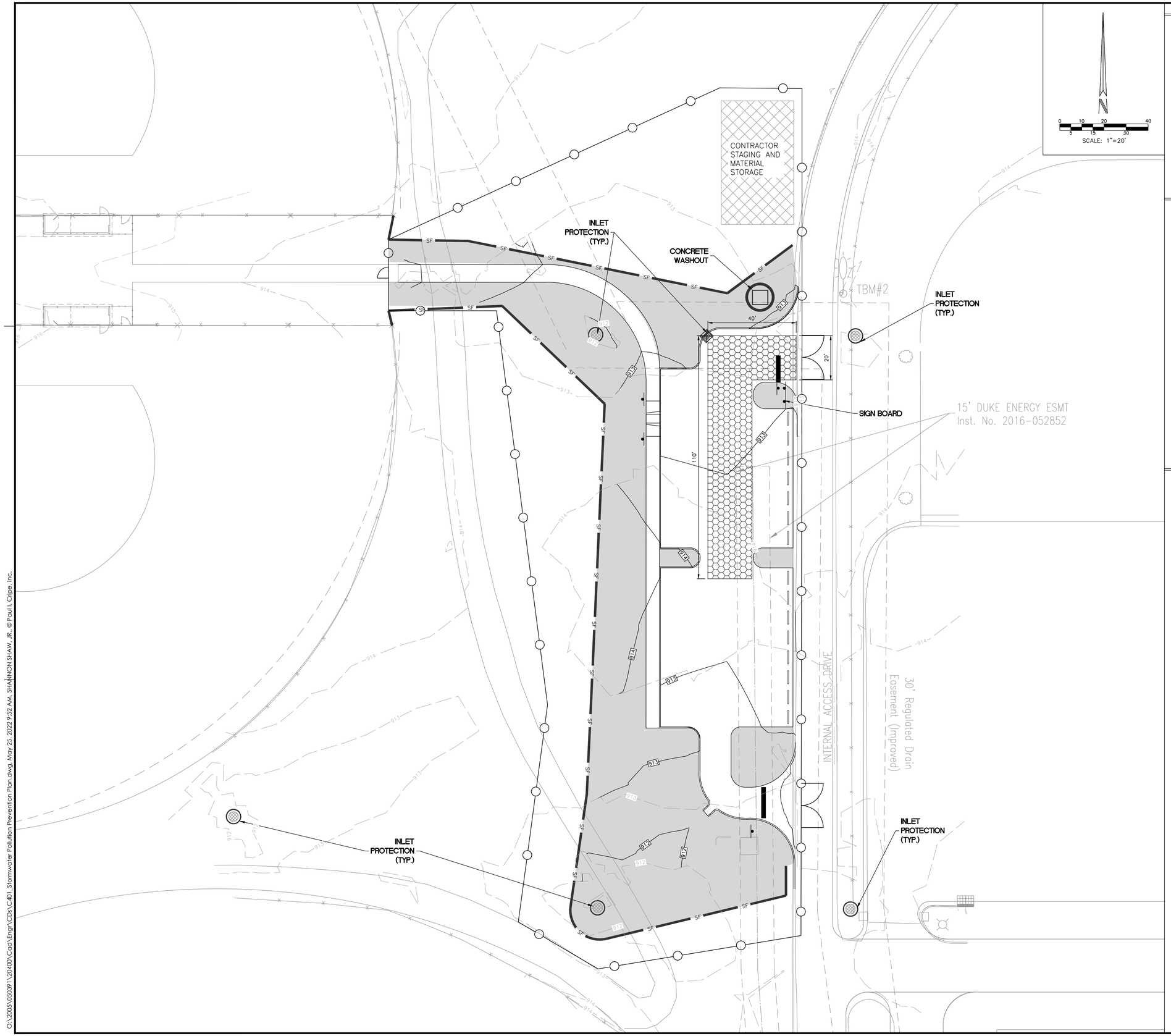

STORMWATER POLLUTION PREVENTION PLAN LEGEND

- CONSTRUCTION FENCING
- SF SILT FENCE BARRIER INSTALLATION
- PERMANENT SEEDING
- GEOTEXTILE FABRIC YARD DROP INLET PROTECTION
- INSERT (BAG) INLET PROTECTION
- CONCRETE WASHOUT
- TEMPORARY CONSTRUCTION INGREES/EGRESS DRIVE. ONCE CONSTRUCTION IS COMPLETE, CONTRACTOR SHALL REMOVE STONE, GEOTEXTILE, RESPREAD TOPSOIL, AND PERMANENT SEED ENTIRE AREA.
- CONTRACTOR STAGING AREA SHALL UTILIZE THE EXISTING GRASS AREA. CONTRACTOR SHALL REPAIR ALL DAMAGED GRASS AREA WITHIN THE AREA UPON COMPLETION OF THE PROJECT AND SHALL MEET THE STANDARDS AS DICTATED ON DETAILS.

STORMWATER POLLUTION PREVENTION PLAN NOTES

1. REFER TO SHEET C403 FOR SOILS MAP AND SOIL CHARACTERISTICS.
2. REFER TO SHEET C402 FOR STORMWATER POLLUTION PREVENTION PLAN DETAILS.
3. REFER TO LANDSCAPE PLANS FOR PLANTING DETAILS. ANY MOUNDING NOTED ON LANDSCAPE PLANS SHALL NOT CHANGE THE DRAINAGE PATTERN NOTED IN THE GRADING PLAN SERIES 300'S.
4. SILT FENCE BARRIER TO BE INSTALLED PRIOR TO CONSTRUCTION.
5. EROSION CONTROL MEASURES TO BE MAINTAINED THROUGHOUT THE ENTIRE CONSTRUCTION PROCESS.
6. REFER TO THE STORMWATER POLLUTION PREVENTIONS NOTES SHEET C403 FOR ALL EROSION CONTROL MEASURES, SCHEDULES, AND SEQUENCES.
7. CONTRACTOR TO PROVIDE A STABLE TEMPORARY GRAVEL CONSTRUCTION INGRESS/EGRESS CONDITION FROM THE CONSTRUCTION SITE TO KEEP MUD AND SEDIMENT OFF PUBLIC ROADS.
8. EROSION CONTROL MAINTENANCE – SITE TO BE INSPECTED AT LEAST ONCE A WEEK AND MAKE REPAIRS IMMEDIATELY AFTER PERIODS OF 1/2" RAINFALL OR GREATER.
9. STORMWATER DISCHARGE WILL NOT ENTER THE GROUNDWATER FOR THIS PROJECT.
10. THE 100 YEAR FLOODPLAIN FLOODWAYS ARE NOT PRESENT.
11. PRESENCE OF HYDRIC SOILS: NONE.
12. CONTRACTOR SHALL PROVIDE THE CITY OF WESTFIELD WITH A NARRATIVE DESCRIBING THE CONSTRUCTION SEQUENCE, INCLUDING START DATES FOR EACH LAND DISTURBING ACTIVITY.
13. THE ACTUAL PERSON RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF THE EROSION CONTROL SHALL BE DETERMINED DURING THE BIDDING PROCESS. THE AWARD WINNING CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION AND MAINTENANCE OF ALL EROSION CONTROL MEASURES. ONCE DETERMINED, CONTRACTOR SHALL COORDINATE WITH THE CITY.
14. ANY DISCREPANCIES OR CONFLICTS WHICH BECOME APPARENT BEFORE OR DURING CONSTRUCTION SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD IMMEDIATELY SO THAT CLARIFICATION OR REDESIGN MAY OCCUR.

STORMWATER POLLUTION PREVENTION PLAN SEQUENCE AND IMPLEMENTATION

1. INSTALL CONSTRUCTION FENCING AND GATES IF REQUIRED.
2. INSTALL SILT FENCING. DUST SHALL BE KEPT TO A MINIMUM BY UTILIZING SPRINKLING WATER OR OTHER APPROVED METHODS.
3. IDENTIFY CONSTRUCTION STAGING AREA, CONCRETE WASHOUT AREAS, MATERIAL STORAGE AND TOPSOIL STOCKPILE AREAS. EACH AREA SHALL BE PROPERLY PROTECTED AND DELINEATED PRIOR TO CONSTRUCTION.
4. THE IDEM NOI, IF REQUIRED, AND CONTACT INFORMATION FOR THE PERSON WITH ONSITE RESPONSIBILITIES MUST BE POSTED ONSITE.
5. IDEM AND THE LOCAL CITY AGENCY MUST BE NOTIFIED WITHIN 48 HOURS OF COMMENCING CONSTRUCTION.
6. CONTACT INDIANA UNDERGROUND PLANNED PROTECTION SYSTEMS, INC. ("INDIANA 811") FOR UNDERGROUND UTILITY LOCATIONS. (1-800-382-5544).
7. BEFORE OPENING UP THE SITE, FIRST EVALUATE, MARK AND PROTECT IMPORTANT TREES AND ASSOCIATED ROOT ZONES, UNIQUE AREAS TO BE PRESERVED (I.E. WETLANDS), STREAMS, LAKES OR EXISTING VEGETATION SUITABLE FOR USE AS FILTER STRIPS (ESPECIALLY IN PERIMETER AREAS).
8. FIRST, STRIP AND STOCKPILE TOPSOIL ON-SITE.
9. BEGIN MASS EARTHWORK FOR PROPOSED IMPROVEMENTS.
10. REPAIR ANY SILT FENCING IF DAMAGED. IF SILT IS 1/3 HEIGHT OF FABRIC, REMOVE SILT AND REPLACE TO ORIGINAL CONDITION.
11. IMMEDIATELY AFTER GRADING, APPLY SURFACE STABILIZATION PRACTICES ON ALL GRADED AREAS, USING PERMANENT MEASURES IN ACCORDANCE WITH THE EROSION CONTROL PLAN. HOWEVER, IF WEATHER DELAYS PERMANENT STABILIZATION, TEMPORARY SEEDING AND/OR MULCHING MAY BE NECESSARY AS A PROVISIONAL MEASURE. ALSO STABILIZE (USING TEMPORARY SEEDING/MULCHING OR OTHER SUITABLE MEANS) ANY DISTURBED AREA WHERE ACTIVE CONSTRUCTION WILL NOT TAKE PLACE FOR 15 WORKING DAYS.
12. AFTER CONSTRUCTION AND FINAL GRADING, PERMANENTLY STABILIZE ALL DISTURBED AREAS. ALSO REMOVE TEMPORARY RUNOFF CONTROL STRUCTURES, ANY UNSTABLE SEDIMENT AROUND THEM, AND STABILIZE THOSE AREAS WITH PERMANENT SEEDING AND EROSION CONTROL BLANKET IF NECESSARY.
13. MAINTAIN ALL EROSION AND SEDIMENT CONTROL PRACTICES UNTIL ALL DISTURBED AREAS ARE PERMANENTLY STABILIZED.
14. TOPSOIL STOCKPILE NOT USED ON SITE TO BE HAULED OFF-COORDINATE WITH OWNER FOR A LOCATION

Revisions				
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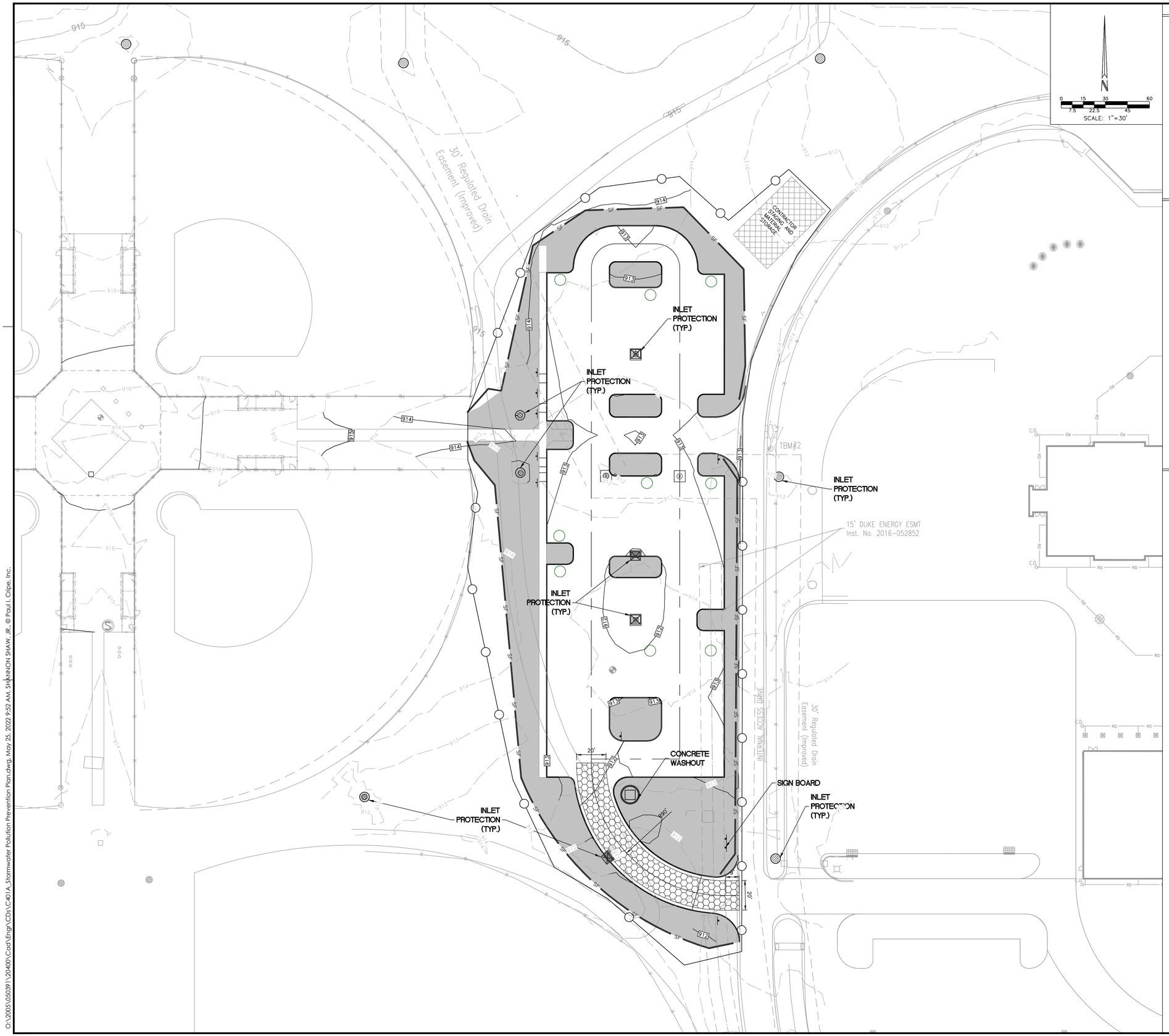

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14. TOPSOIL STOCKPILE NOT USED ON SITE TO BE HAULED OFF-COORDINATE WITH OWNER FOR A LOCATION

Revisions					
Mark	Date	Description	Mark	Date	Description
	05-23-22	ADDENDUM 1			

ARCHITECTURE + INTERIORS
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STORMWATER POLLUTION PREVENTION PLAN

MONON TRAIL SOFTBALL COMPLEX PARKING LOT

WESTFIELD-WASHINGTON SCHOOL

19500 TOMLINSON ROAD
WESTFIELD, IN 46074

CERTIFIED BY:

Gary E. Murray

GARY E. MURRAY — REGISTERED — LICENSED — STATE OF INDIANA — PROFESSIONAL ENGINEER

Date 04-15-2022

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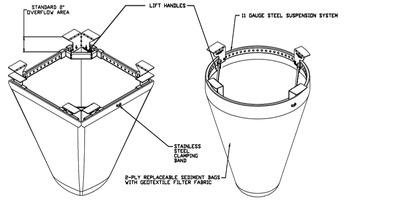
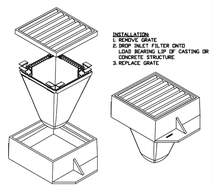
Drawn By: S. SHAW
Checked By: D. PELLOM, PLA
Quality Assurance: G. MURRAY, PE, LEED AP
Scale: 1" = 30'
Sheet C401A
Date 04-15-2022
Project Number 050391-20400



IPP Flo Xstorm Inlet Filter Specifications			
Material Property	*Test Method*	*Value (min ave)*	
» Inner Filter Bag Specs (2 ft² min vol)		Non-Woven	Woven Mono
Grab Tensile	ASTM D 4632	100 lbs	200 lbs
Puncture Strength	ASTM D 4833	65 lbs.	90 lbs
Trapezoidal Tear	ASTM D 4533	45 lbs.	75 lbs
UV Resistance	ASTM D 4355	70% at 500 hrs	90%
App Open Size (AOS)	ASTM D 4751	70 U.S.sieve (.212 mm)	40 U.S.sieve (.425 mm)
Permittivity	ASTM D 4491	2.0 /sec	2.5 /sec
Water Flow Rate	ASTM D 4491	145 gpm/sq ft	145 gpm/sq ft
» Polyester Outer Reinforcement Bag Specifications			
Weight	ASTM D 3776	4.55 oz/yard +/- 15%	
Thickness	ASTM D 1777	.040 +/- .005	
» Frame Construction			
A36 Structural Steel; 11 Gauge; Zinc Plated	ASTM A 576	*Tensile Strength > 58,000 psi; Yield Strength >36,000 psi*	



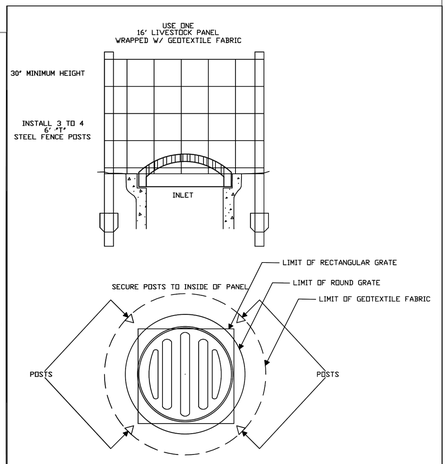
INSTALLATION:
1. REMOVE GRATE
2. DROP INLET FILTER ONTO LOAD BEARING LIP OF CASTING OR CONCRETE STRUCTURE
3. REPLACE GRATE

INLET PROTECTION

CITY OF WESTFIELD, INDIANA

4/1/13 DATE

FIGURE EC-6

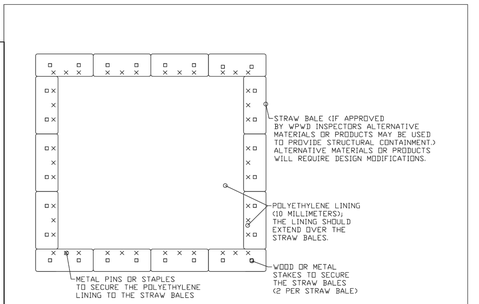


TEMPORARY DITCH INLET PROTECTION

CITY OF WESTFIELD, INDIANA

4/1/13 DATE

FIGURE EC-1

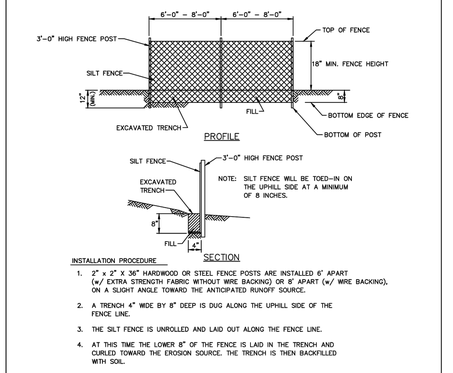


CONCRETE WASHOUT DETAIL

CITY OF WESTFIELD, INDIANA

2/12/16 DATE

FIGURE EC-05



INSTALLATION PROCEDURE

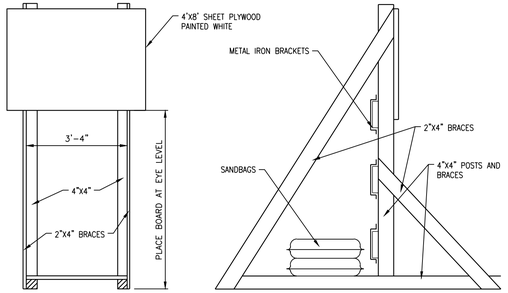
1. 2" x 2" X .36" HARDWOOD OR STEEL FENCE POSTS ARE INSTALLED 6' APART (w/ EXTRA STRENGTH FABRIC WITHOUT WIRE BACKING) OR 8' APART (w/ WIRE BACKING), ON A SLIGHT ANGLE TOWARD THE ANTICIPATED RUNOFF SOURCE.
2. A TRENCH 4" WIDE BY 8" DEEP IS DUG ALONG THE UPHILL SIDE OF THE FENCE LINE.
3. THE SILT FENCE IS UNROLLED AND LAID OUT ALONG THE FENCE LINE.
4. AT THIS TIME THE LOWER 8" OF THE FENCE IS LAID IN THE TRENCH AND CURLED TOWARD THE EROSION SOURCE. THE TRENCH IS THEN BACKFILLED WITH SOIL.

SILT FENCE DETAIL

CITY OF WESTFIELD, INDIANA

4/1/13 DATE

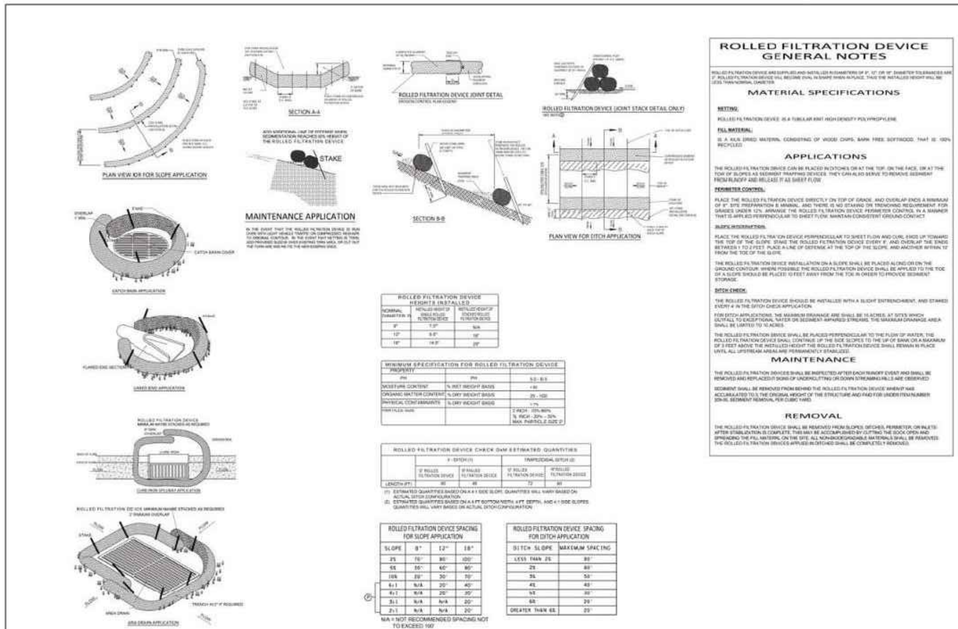
FIGURE EC-4



• OPTION TO MOUNT INTO GROUND 48" MIN WITH 4"X4" POSTS

TEMPORARY PERMIT SIGN BOARD

NOT TO SCALE



ROLLED FILTRATION DEVICE GENERAL NOTES

MATERIAL SPECIFICATIONS

NETTING:
ROLLED FILTRATION DEVICE IS A TUBULAR KNIT HIGH DENSITY POLYPROPYLENE.

FILL MATERIAL:
IS A MULCH DERIVED MATERIAL CONSISTING OF WOOD CHIPS, BARK FREE, SOFTWOOD. THAT IS 100% RECYCLED.

APPLICATIONS

THE ROLLED FILTRATION DEVICE CAN BE PLACED IN DITCHES OR AT THE TOP, ON THE FACE, OR AT THE TOW OF SLOPES AS SEDIMENT TRAPPING DEVICES. THEY CAN ALSO SERVE TO REMOVE SEDIMENT FROM RUNOFF AND RELEASE IT AS SHEET FLOW.

PERIMETER CONTROL:
PLACE THE ROLLED FILTRATION DEVICE DIRECTLY ON TOP OF GRADE, AND OVERLAP ENDS A MINIMUM OF 6" SITE PREPARATION IS MINIMAL, AND THERE IS NO STAKING OR TRENCHING REQUIREMENT. FOR GRADES UNDER 10%, APPANGE THE ROLLED FILTRATION DEVICE PERIMETER CONTROL IN A MANNER THAT IS APPLIED PERPENDICULAR TO SHEET FLOW. MAINTAIN CONSISTENT GROUND CONTACT

SLOPE INTERRUPTION:
PLACE THE ROLLED FILTRATION DEVICE PERPENDICULAR TO SHEET FLOW AND CUPEL ENDS UP TOWARD THE TOP OF THE SLOPE. SPACE THE ROLLED FILTRATION DEVICE EVERY 4' AND OVERLAP THE ENDS BETWEEN 1 TO 2 FEET. PLACE A LINE OF DEFENSE AT THE TOP OF THE SLOPE, AND ANOTHER WITHIN 10' FROM THE TOE OF THE SLOPE.

THE ROLLED FILTRATION DEVICE INSTALLATION ON A SLOPE SHALL BE PLACED ALONG OR ON THE GRADE CONTOUR WHERE POSSIBLE. THE ROLLED FILTRATION DEVICE SHALL BE APPLIED TO THE TOE OF A SLOPE, SHOULD BE PLACED 10 FEET AWAY FROM THE TOE IN ORDER TO PROVIDE SEDIMENT STORAGE.

DITCH CHECK:
THE ROLLED FILTRATION DEVICE SHOULD BE INSTALLED WITH A SLIGHT ENTRENCHMENT, AND STAKED EVERY 4' IN THE DITCH CHECK APPLICATION.

FOR DITCH APPLICATIONS, THE MAXIMUM DRAINAGE ARE SHALL BE 10 ACRES, AT SITES WHICH OUTFALL TO EXCEPTIONAL WATER OR SEDIMENT IMPAIRED STREAMS, THE MAXIMUM DRAINAGE AREA SHALL BE LIMITED TO 10 ACRES.

THE ROLLED FILTRATION DEVICE SHALL BE PLACED PERPENDICULAR TO THE FLOW OF WATER. THE ROLLED FILTRATION DEVICE SHALL CONTACT UP THE SIDE SLOPES TO THE UP OF SWALOR A MAXIMUM OF 3 FEET ABOVE THE INSTALLED HEIGHT THE ROLLED FILTRATION DEVICE SHALL REMAIN IN PLACE UNTIL ALL UPSTREAM AREAS ARE PERMANENTLY STABILIZED.

MAINTENANCE

THE ROLLED FILTRATION DEVICES SHALL BE INSPECTED AFTER EACH RUNOFF EVENT AND SHALL BE REMOVED AND REPLACED IF SIGNS OF UNDERCUTTING OR DOWN STREAMRILLS ARE OBSERVED.

SEDIMENT SHALL BE REMOVED FROM BEHIND THE ROLLED FILTRATION DEVICE WHENEVP HAS ACCUMULATED TO ½ THE ORIGINAL HEIGHT OF THE STRUCTURE AND PRIOR TO UNDERTOWN NUMBER 30 MIL SEDIMENT REMOVAL PER CUBIC YARD.

REMOVAL

THE ROLLED FILTRATION DEVICE SHALL BE REMOVED FROM SLOPES, DITCHES, PERIMETER, OR INLETS AFTER STABILIZATION IS COMPLETE. THIS MAY BE ACCOMPLISHED BY CUTTING THE DOCK OPEN AND SPREADING THE FILL MATERIAL ON THE SITE. ALL NONBIODEGRADABLE MATERIALS SHALL BE REMOVED. THE ROLLED FILTRATION DEVICES APPLIED IN DITCHES SHALL BE COMPLETELY REMOVED.

ROLLED FILTRATION DEVICE (EXCERPT IS INSTALLED)		
NOMINAL DIAMETER IN.	INSTALLED HEIGHT FOR SLOPE FILTRATION DEVICE	INSTALLED HEIGHT OF DITCH ROLLED FILTRATION DEVICE
8"	5.3"	N/A
12"	8.0"	10"
18"	14.0"	20"

MINIMUM SPECIFICATION FOR ROLLED FILTRATION DEVICE		
PROPERTY		
MOISTURE CONTENT	% WET WEIGHT BASIS	
ORGANIC MATTER CONTENT	% DRY WEIGHT BASIS	
PHYSICAL CONTAMINANTS	% DRY WEIGHT BASIS	
PARTICLES SIZE		2 INCH - 95% MIN. ¾ INCH - 20% - 55% MAX. PARTICLE SIZE 3"

ROLLED FILTRATION DEVICE CHECK DAM ESTIMATED QUANTITIES			
X - DITCH (1)		TRAPEZOIDAL DITCH (2)	
	9" ROLLED FILTRATION DEVICE	18"ROLLED FILTRATION DEVICE	9" ROLLED FILTRATION DEVICE	18"ROLLED FILTRATION DEVICE
LENGTH (FT)	30	30	30	30

(1) ESTIMATED QUANTITIES BASED ON A 4:1 SIDE SLOPE. QUANTITIES WILL VARY BASED ON ACTUAL DITCH CONFIGURATION.
(2) ESTIMATED QUANTITIES BASED ON A 4 FT BOTTOM WIDTH, 4 FT DEPTH, AND 4:1 SIDE SLOPES. QUANTITIES WILL VARY BASED ON ACTUAL DITCH CONFIGURATION

ROLLED FILTRATION DEVICE SPACING FOR SLOPE APPLICATION			
SLOPE	9"	12"	18"
2%	70'	80'	100'
5%	55'	60'	80'
10%	35'	30'	70'
6:1	N/A	25'	40'
4:1	N/A	20'	20'
3:1	N/A	N/A	20'
2:1	N/A	N/A	20'

N/A = NOT RECOMMENDED SPACING NOT TO EXCEED 100'

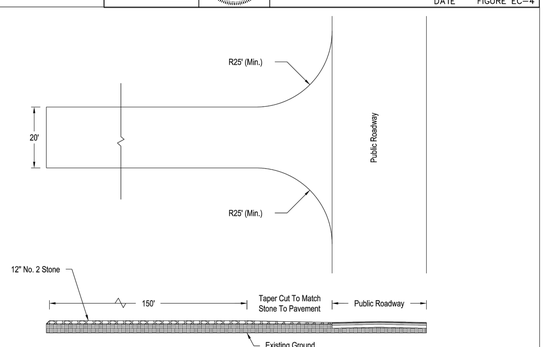
ROLLED FILTRATION DEVICE SPACING FOR DITCH APPLICATION	
DITCH SLOPE	MAXIMUM SPACING
LESS THAN 2%	80'
2% - 4%	60'
5% - 8%	50'
9% - 15%	40'
16% - 20%	30'
21% - 50%	20'
GREATER THAN 50%	10'

ROLLED FILTRATION DEVICE

CITY OF WESTFIELD INDIANA

3/20/19 DATE

FIGURE EC-16



TEMPORARY CONSTRUCTION DRIVE

CITY OF WESTFIELD INDIANA

2/26/16 DATE

FIGURE EC-10

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Revisions					
Mark	Date	Description	Mark	Date	Description
1	05-23-22	ADDENDUM 1			

STORMWATER POLLUTION PREVENTION DETAILS
MONON TRAIL SOFTBALL COMPLEX PARKING LOT
WESTFIELD-WASHINGTON SCHOOL
19500 TOMLINSON ROAD
WESTFIELD, IN 46074

CERTIFIED BY:

Gary E. Murray

GARY E. MURRAY REGISTERED No. PE 930248 STATE OF INDIANA PROFESSIONAL ENGINEER

Date 04-15-2022

Indiana 811 Know what's below. Call before you dig.

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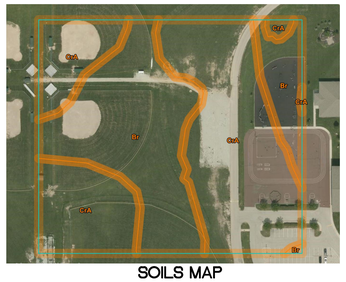
Drawn By: S. SHAW
Checked By: D. PELLON, PLA
Quality Assurance: Q. MURRAY, PE, LEED AP
Scale: 1" =

Sheet C402
Date 04-15-2022
Project Number 050391-20400

CrA Crpeby silt loam, 0 to 3 percent slopes
This is a somewhat poorly drained soil with seasonal high water table at 0.5 to 2.0 ft. This soil is located on rises on till plains; slopes are 0 to 3 percent. The native vegetation is hardwood forest. The surface is silt loam and has moderately low to moderate organic matter content (1.0 to 3.0 percent). Permeability is very slow (<0.06in/hr) in the most restrictive later above 60 inches. Available water capacity is moderate (6.2 inches in the upper 60 inches). The pH of the surface layer in non-limed areas is 5.1 to 6.5. Droughtiness and wetness are management concerns for crops production. This soil responds well to tile drainage; it is designed potentially high erodible (class 2) in the Highly Erodible Land (HEL) classification system.

Br Brookston Silty Clay Loam
This nearly level soil is in depressions, on flats, and narrow drainageways between better drained soils on broad, undulation plains. Slopes are 0 to 2 percent. In some small areas, this soil has a silt loam or clay loam surface layer. Runoff is very slow. Wetness is the main limitation. Because of wetness, the soil has severe limitations for nonfarm uses. Most areas are cultivated. A few are wooded. Wooded areas support fair stands of hardwoods, but some are heavily pastured. Permeability is moderate (0.6 to 2 in/hr) in the most restrictive layer above 60 inches. Available water capacity is high (12 inches in the upper 60 inches). The pH of the surface layer in non-limed areas is 6.6. to 7.3.

Person Responsible for Installation and Maintenance of Erosion and Sediment Control Practices:
VICTOR LANDFAIR
The Skillman Corporation
3834 S. Emerson Ave.
Indianapolis, IN 46203
O: 317-788-5108
C: 317-850-5996



SOILS MAP

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
Br	Brookston silty clay loam, 0 to 2 percent slopes	3.1	40.6%
CrA	Crosby silt loam, fine-loamy subsoil, 0 to 2 percent slopes	4.5	59.4%
Totals for Area of Interest		**7.6**	**100.0%**

CONSTRUCTION/STORMWATER POLLUTION PREVENTION PLAN

ASSESSMENT OF CONSTRUCTION PLAN ELEMENTS (SECTION A)

A1 Plan Index Showing Locations Of Required Items:
See Cover Sheet.

A2 8x24 Plat Showing Site, Buildings, Parking Lots, Streets:
No Plat Completed - See Site Plan Sheet C201 - Overall Site Plan C200.

A3 Narrative Describing Project Nature And Purpose:
The project is a new parking lot and sidewalk for the softball fields at Monon Elementary School, and associated utilities.

A4 Vicinity Map Showing Project Location:
See Cover Sheet.

A5 Legal Description Of The Project Site:
See sheet C200 for Legal Description

Latitude: (40° 04' 09.59" N)
Longitude: (86° 08' 29.93" W)

A6 Location Of All Lots And Proposed Site Improvements:
See Site Plan Sheet C201 & 201A

A7 Hydrologic Unit Code-14 Digit:
05120201090030

A8 Notation Of Any State Or Federal Water Quality Permits:
State water quality permits will include IDEM Rule 5 and will be subject to IDEM Rule 13.

A9 Specific Points Where Stormwater Discharge Will Leave The Site:
The on-site drainage system is the upstream pond of the Monon Trail arm of Cool Creek regulated drain. The site drains via sheet flow into a series of storm pipe networks which then outlets into the existing storm sewer network on site which ultimately outlets into a wet detention pond to the south as part of the master planned Monon Trail Elementary school parcel. The south pond outlets to the Southeast via a network of pipes that empties into Cool Creek Southwest of the roundabout at 191st Street. This system also includes approximately 5 acres of off-site water North and Northwest of the site.

See sheets C201 & 201A for the extents of the Stormwater Management Plan components.

A10 Location And Name Of All Wetlands, Lakes And Water Courses On And Adjacent To The Site:
The closest water course to the site is Cool Creek.

A11 Identification Of All Receiving Waters:
The site eventually empties into Cool Creek southwest of the site as part of the Hamilton County, Cool Creek regulated Drain.

A12 Identification Of Potential Discharge To Groundwater:
No known potential discharge to groundwater.

A13 100 Year Floodplains, Floodways, And Floodway Fringes:
See Sheet C301 & 301A for FIRM map.

A14 Pre-construction And Post Construction Estimate Of Peak Discharge:
Existing 10 Yr. = x.xx cfs 10 Yr. Post = x.xx cfs
Existing 100 Yr. = x.xx cfs 100 Yr. Post = x.xx cfs

A15 Adjacent Land Use, Including Upstream Watershed:
Northeast - AG-SF
Northwest SF-2 1 South - PUD
East - AG-SF1
West- AG-SF1

A16 Locations And Approximate Boundaries Of All Disturbed Areas:
See sheet C401 & 401A.

A17 Identification Of Existing Vegetative Cover:
See Sheet C101

A18 Soils Map Including Descriptions And Limitations:
See this sheet for soils descriptions and limitations and how the limitations will be overcome.

A19 Location, Size And Dimensions Of Proposed Stormwater Systems:
See sheets C201 & C701A

A20 Plan For Any Off-site Construction Activities Associated With This Project:
Contractor will be responsible for disposal of exported soil material.

A21 Locations Of Proposed Soil Stockpiles, Borrow And/Or Disposal Areas:
See sheet C401 & 401A

A22 Existing Site Topography At An Interval Appropriate To Show Detailed Drainage Patterns:
See sheets C101

A23 Proposed Final Topography At An Interval Appropriate To Show Detailed Drainage Patterns:
See sheet C301 & 301A

ASSESSMENT OF STORMWATER POLLUTION PREVENTION PLAN-CONSTRUCTION COMPONENT (SECTION B)

B1 Description Of Potential Pollutant Sources Associated With Construction Activities:
The primary pollutant associated with construction activities is sediment. Additional pollutants may be generated by construction vehicle operation and maintenance (e.g. fueling, changing hydraulic fluids and oils); concrete washout; improper storage of construction materials; improper disposal of construction trash and debris; improper application or over application of fertilizers and pesticides; and improper storage, application, and disposal of soluble materials or other materials that may be mobilized by storm water runoff. Equipment and fuel will be stored in a central location and the contractor shall institute methods and procedures to prevent discharge of pollutants.

B2 Sequence Describing Stormwater Quality Measure Implementation Relative To Land Disturbing Activities:
See erosion and sediment control sequences and implementation on sheets C401 & C401A.

B3 Stable Construction Entrance Locations And Specifications:
See sheets C401 & 401A for location. See sheet C402 for details.

B4 Sediment Control Measures For Sheet Flow Areas:
Preliminary grading and stabilization must be completed to ensure adequate drainage to the temporary or permanent runoff conveyance facilities. Silt fencing must also be implemented prior to any construction activity to ensure silt collection. Stabilize disturbed areas directly after earth disturbing activities, temporary seed areas scheduled to be idle for up to one year. Permanently seed all areas that are at final grade, phase projects where each subsequent phase will not begin for 8 months or more, and areas to be idle for more than one year. Erosion control measures to be installed in Sheet Flow Area. See sheet C402 for details as well as installation and maintenance procedures. See this sheet for seeding guidelines.

B5 Sediment Control Measures For Concentrated Flow Areas:
Adequate erosion control measures must be installed within these areas prior to opening for runoff acceptance. If it is a steep slope, an erosion control blanket should be installed prior to opening. Stabilize disturbed areas directly after earth disturbing activities. Temporary seed areas scheduled to be idle for up to 15 days. Permanently seed all areas that are at final grade, phase projects where each subsequent phase will not begin for 8 months or more, and areas to be idle for more than one year. See sheet C401 & C401A for erosion control measures to be installed in concentrated flow areas. See sheet C402 for details as well as installation and maintenance procedure.

B6 Sediment Control Measures For Storm Sewer Inlets Protection:
See sheet C401 & C401A for location & type, and C402 for details.

B7 Runoff Control Measures:
See sheet C401 & C401A.

B8 Stormwater Outlet Protection Specifications:
See sheet C401 & C401A for location & type, and C402 for details.

B9 Grade Stabilization Structure Locations And Specifications:
N/A

B10 Location, Dimensions, Specifications And Construction Details For Each Stormwater Quality Measure:
See sheets C401 & C401A and associated erosion control details on sheet C402.

B11 Temporary Surface Stabilization Methods Appropriate For Each Season:
See "GENERAL SEEDING & SURFACE STABILIZING PROCEDURES" on this sheet.

B12 Permanent Surface Stabilization Specifications:
See "GENERAL SEEDING & SURFACE STABILIZING PROCEDURES" on this sheet.

B13 Material Handling And Spill Prevention:
Expected construction materials on site may include vehicle lubricants, oils, vehicular fuels, concrete wash-out, acids, curing compounds, paints, mulch, pesticides, herbicides, fertilizer, and trash. Any toxic waste materials are to be disposed of according to local and state laws.

Small spills and leaks of these materials onto non-paved areas will be shoveled into containers or dumpsters for proper disposal.

Fueling trucks will be equipped with spill prevention kits for smaller fuel spills. All vehicular maintenance shall be performed in the same designated area throughout the construction time frame. If possible, vehicular maintenance shall be done off-site at facilities that are designed to handle any material spillage. This shall include fueling of vehicles whenever possible. The City of Westfield Fire Department (317) 804-3300 or 911, Indiana Department of Environmental Management, Office of Emergency Response (800) 233-7745, shall be notified immediately for larger spills or leaks. The National Response Center (800) 424-8802 shall be notified and provided with the following information: Time of Spill, Location of Spill, Material, Source of Spill, Approximate Volume and Length of Spillage, Weather Conditions at Time of Spill, Personal Present at Time of Spill, and All Action Taken for Post Spill Cleanup.

Contractor shall contact a waste recovery agency immediately for removal of contaminates and coordination of monitoring the site during cleanup until all of the hazardous material has been removed. Contractor shall cooperate with idem during and after the spill to insure all required cleanup and filing reports are properly submitted.

The Developer shall be continually informed of any contamination concerns occurring on the site. The construction manager shall keep on site a list of qualified contractors for spill remediation. All site personnel, including maintenance employees, shall be made aware of proper spill prevention and remediation techniques. All materials used to absorb spills shall be properly disposed of in an approved manor with local and state laws. Do not flush spill materials with water unless directed to do so by a governing agency. It is important that all manufacturer's instructions be followed when using or applying all fertilizers, herbicides, and pesticides.

B14 Monitoring And Maintenance Guidelines For Each Proposed Storm Water Quality Measure:
See sheet C402 for details containing maintenance requirements for each storm water quality measure. Upon substantial completion, the contractor shall remove any and all debris from any existing or newly installed BMPs on site.

B15 Erosion And Sediment Control Specifications For Individual Building Lots:
See sheet C401.

TOXIC WASTE MATERIALS

INSURE THAT TOXIC LIQUID WASTES SUCH AS USED OILS, SOLVENTS, AND PAINTS AND CHEMICALS SUCH AS ACIDS, PESTICIDES, ADDITIVES, AND CURING COMPOUNDS ARE NOT DISPOSED OF IN DUMPSTERS DESIGNATED FOR CONSTRUCTION DEBRIS BUT ARE PROPERLY DISPOSED OF ACCORDING TO LOCAL AND STATE LAWS.

ASSESSMENT OF STORMWATER POLLUTION PREVENTION POST-CONSTRUCTION COMPONENT (SECTION C)

C1 Description Of Pollutants And Their Sources Associated With The Proposed Land Use:
Potential post-construction pollutant sources include assorted fuels, oils and liquids associated with vehicular traffic and typical residential and commercial/retail activity. There are no new downstream water quality effects.

C2 Sequence Describing Stormwater Quality Measure Implementation:
The post-construction stormwater quality measure implementation shall begin after substantial completion of the construction activities for the proposed project. Any existing BMPs on site shall be clear of any and all debris.

Following construction, all erosion control measures shall be inspected and maintained until all permanent measures and vegetation has been established and construction is complete.

After the site stabilization has reached 70% vegetative cover density, individual temporary erosion control measures may be removed.

Inspection and maintenance of all BMP structures are the responsibility of the owner. Inspections shall occur per IDEM guidelines regarding procedure and timing/frequency.

ASSESSMENT OF STORMWATER POLLUTION PREVENTION POST-CONSTRUCTION COMPONENT (SECTION C) Continued

C3 Description Of Proposed Post Construction Stormwater Quality Measures:
Post construction stormwater quality measures to aid in reducing the amount of pollutants include the existing wet detention pond down stream via a storm network per master planed use.

C4 Location, Dimensions, Specifications, and Construction Details of Each Stormwater Quality Measure:
The stormwater quality measures for post construction activities are indicated on this sheet. Location and details can be found on sheets C401 & C401A and C402.

C5 Description of Maintenance Guidelines For Post Construction Stormwater Quality Measures:
Please refer to The Operation & Maintenance Manual for information regarding the post-construction water quality measures.

Grass areas will be maintained on a regular mowing cycle. Trash and debris will be removed from seeded and gravel areas.

BMP - Wet Detention Pond - Monthly Inspection Maintenance

Undesirable vegetative growth: Remove undesirable vegetation along pond banks including but not limited to tree seedlings, cattails, etc.

Remove Floatable debris and visible pollution: Remove any floatable debris if present.

Inspect pond banks for erosion, failure, etc: Fill and repair any rills or eroded areas from concentrated sheet flow runoff. Repair any eroded soils around outlet and inlet structures. Reseed all disturbed areas of insufficient vegetative cover.

Inspect and note sediment. Remove when measurements indicate removal is required: Note and measure the water depth in three places. Remove sediment when average water depth is 6 feet or less.

Remove debris at storm inlets, outlets, trash racks, headwalls, endwalls and spillways: Remove all trash, leaves, and debris.

Complaints from residents: Note and address any complaints from residents.

Public Hazards: Note and address any current or potential Public Hazards. Annually and after major storms Inspection Maintenance.

Vegetation: Remove Undesirable vegetation along pond banks including but not limited to tree seedlings, cattails, etc. Mow as necessary.

Erosion on embankment: Fill and repair any rills or eroded areas from concentrated sheet flow runoff. Repair any eroded soils around outlet and inlet structures. Reseed all disturbed areas and areas of insufficient vegetative cover.

Animal Burrows: If present, obtain services of pest control or other company to have animals removed.

Cracking, bulging or sliding of emergency spillway dam: Inspect pond banks for erosion, failure, leaks, seeps or slope protection failure. If failures are present obtain the services of a Licensed Professional Civil or Geotechnical Engineer for Soil repair recommendations. I

All Drains clear and functioning: Inspect all inlet drains and remove any silt or debris as necessary.

Outlet Structure: Inspect and check the Low Flow orifice for blockage, Trash rack for Debris and corrosion. Excessive Buildup, cracks, spalding and repair as necessary.

In the event of the Jurisdictional entity requests that the detention ponds be drained for inspection, the owner shall produce a pump capable of drawing said ponds.

Inspection of SQTU
The existing pond and downstream storm network should be inspected at regular intervals and maintained when necessary to ensure optimum performance. The rate at which pollutants collect will depend on site activities such as unstable soils or heavy winter sanding. Inspection is the key to effective maintenance and is easily performed. Quarterly inspections of the accumulated sediment and Floatable inspections after large storm events are required.

EROSION AND SEDIMENT CONTROL SEQUENCE AND IMPLEMENTATION

1. Post the NOI and contact information for the person with onsite responsibilities on the sign board.
2. Install temporary construction entrance from private drive on the south of the site which connects to Tomlinson Road to the east . See sheet C401 & C401A.
3. Install silt fencing along property lines and along construction limits as shown on sheets C401 & C401A (See detail on sheet C402). Dust shall be kept to a minimum by utilizing sprinkling, calcium chloride, vegetative cover, spray on adhesive or other approved methods.
4. Identify construction staging, concrete washout area with sign, material storage and areas. Each area shall be properly protected and delineated prior to construction.
5. IDEM and the City of Westfield must be notified within 48 hours of commencing construction.
6. Contact Indiana Underground Planned Protection Systems, Inc. for underground Utility locations. (1-800-382-5544).
7. Begin mass earthwork for preliminary grading. See "General Seeding and Surface Stabilization Procedures" for temporary seeding guidelines on this sheet.
8. Repair any silt fencing if damaged. If silt fence is 1/3 height of fabric, remove silt and replace to original condition. See detail on Sheet C402 .
9. Immediately after grading, apply surface stabilization practices on all graded areas, using permanent measures in accordance with the erosion control plan. However, if weather delays permanent stabilization, temporary seeding and/or mulching may be necessary as a provisional measure. Also stabilize (using temporary seeding/mulching or other suitable means) any disturbed area where active construction will not take place for 15 working days.
10. Install Post Construction measures. Includes final grading and stabilization. If any of these areas were used as temporary sediment control devices during construction, remove and restabilize for post construction use.
11. After construction and final grading, landscape and permanently stabilize all disturbed areas, including borrow and disposal areas. Also remove temporary runoff control structures and any unstable sediment around them, and stabilize those areas with permanent seeding and erosion control blanket if necessary
.
12. Maintain all erosion and sediment control practices until all disturbed areas are permanently stabilized.

GENERAL SEEDING and SURFACE STABILIZATION PROCEDURES

(1) TEMPORARY SEEDING

Table 1 Temporary Seeding Specifications

Seed Species 1	Rate per Acre	Planting Depth	Optimum Dates 2
Wheat or Rye	150 lbs.	1 to 1-1/2 inches	Sept. 15 - Oct. 30
Spring Oats	100 lbs.	1 inch	March 1 - April 15
Annual Ryegrass	40 lbs.	1-1/4 inch	March 1 - May 1 Aug. 1 - Sept. 1

1. Perennial species may be used as a temporary cover, especially if the area to be seeded will remain idle for more than one year (See Permanent Seeding).
2. Seeding done outside the optimum seeding dates increases the chances of seeding failure. Dates may be extended or shortened based on the location of the project site within the state.

Notes:
Mulch alone is an acceptable temporary cover and may be used in lieu of temporary seeding, provided that it is appropriately anchored. A high potential for fertilizer, seed, and mulch to wash exists on steep banks, cuts, and in channels and areas of concentrated flow.

Application

Seedbed Preparation
1. Test soil to determine pH and nutrient levels.
2. Apply soil amendments as recommended by the soil test. If testing is not done, apply 400 to 600 pounds per acre of 12-12-12 analysis fertilizer, or equivalent.
3. Work the soil amendments into the upper two to four inches of the soil with a disk or rake operated across the slope.

Seeding
1. Select a seed species or an appropriate seed mixture and application rate from Table 1.
2. Apply seed uniformly with a drill or cultipacker seeder or by broadcasting. Plant or cover seed to the depth shown in Table 1.

Notes:
1. If drilling or broadcasting the seed, ensure good seed-to-soil contact by firming the seedbed with a roller or cultipacker after completing seeding operations. Daily seeding when the soil is moist is usually most effective.
2. If seeding is done with a hydroseeder, fertilizer and mulch can be applied with the seed in a slurry mixture.
3. Apply mulch (See Mulching and Compost Mulching Requirements Below) and anchor it in place.

Maintenance
Inspect within 24 hours of each rain event and at least once every seven calendar days. Check for erosion or movement of mulch and repair immediately. Monitor for erosion damage and adequate cover (80 percent density); reseed, fertilize, and apply mulch where necessary. If nitrogen deficiency is apparent, top-dress fall seeded wheat or rye seeding with 50 pounds per acre of nitrogen in February or March.

(2) PERMANENT SEEDING

Application
Site Preparation
1.Grade the site to achieve positive drainage.
2. Add topsoil or compost mulch to achieve needed depth for establishment of vegetation. (Compost material may be added to improve soil moisture holding capacity, soil friability, and nutrient availability.)

Seedbed Preparation
1.Test soil to determine pH and nutrient levels.
2. Apply soil amendments as recommended by the soil test and work into the upper two to four inches of soil. If testing is not done, apply 400 to 600 pounds per acre of 12-12-12 analysis fertilizer, or equivalent.
3. Till the soil to obtain a uniform seedbed. Use a disk or rake, operated across the slope, to work the soil amendments into the upper two to four inches of the soil.

Seeding
Optimum seeding dates are March 1 to May 10 and August 10 to September 30. Permanent seeding done between May 10 and August 10 may need to be irrigated. Seeding outside or beyond optimum seeding dates is still possible with the understanding that reseeding or overseeding may be required if adequate surface cover is not achieved. Reseeding or overseeding can be easily accomplished if the soil surface remains well protected with mulch.
1. Use a seeding mixture and rate from Table 1 Permanent Seeding Recommendations. Select seed mixture based on site conditions, soil pH, intended land use, and expected level of maintenance.
2. Apply seed uniformly with a drill or cultipacker seeder or by broadcasting. Plant or cover the seed to a depth of one-fourth to one-half inch. If drilling or broadcasting the seed, ensure good seed-to-soil contact by firming the seedbed with a roller or cultipacker after completing seeding operations. (If seeding is done with a hydroseeder fertilizer and mulch can be applied with the seed in a slurry mixture.)
3. Mulch all seeded areas and use appropriate methods to anchor the mulch in place. Consider using erosion control blankets on sloping areas and conveyance channels.

Maintenance
- Inspect within 24 hours of each rain event and at least once every seven calendar days until the vegetation is successfully established.
- Characteristics of a successful stand include vigorous dark green or bluishgreen seedlings with a uniform vegetative cover density of 90 percent or more.
- Check for erosion or movement of mulch.
- Repair damaged, bare, gullied, or sparsely vegetated areas and then fertilize, reseed, and apply and anchor mulch.
- If plant cover is sparse or patchy, evaluate the plant materials chosen, soil fertility, moisture condition, and mulch application; repair affected areas either by overseeding or preparing a new seedbed and reseeding. Apply and anchor mulch on the newly seeded areas.
- If vegetation fails to grow, consider soil testing to determine soil pH or nutrient deficiency problems. (Contact your soil and water conservation district or cooperative extension office for assistance.)
- If additional fertilization is needed to get a satisfactory stand, do so according to soil test recommendations.
- Add fertilizer the following growing season. Fertilize according to soil test recommendations.
- Fertilize turf areas annually. Apply fertilizer in a split application. For cool-season grasses, apply one-half of the fertilizer in late spring and one-half in early fall. For warm-season grasses, apply one-third in early spring, one-third in late spring, and the remaining one-third in middle summer.

Table 1 Permanent Seeding Recommendations

Typical Lawn Seed: Provide fresh, clean, new crop seed complying with tolerance for purity and germination established by Official Seed Analysts of North America. Provide seed mixture composed of grass species, proportions and minimum percentages of 95% purity, 95% germination, and maximum percentage of 0.5% weed seed per the chart below.

Seed Mixtures	Rate per Acre Pure Live Seed	Optimum Soil pH
1. Perennial ryegrass 4-way blend of Black Beauty, Accent, APM and Goalkeeper	80 lbs.	5.5 to 7.5
2. Tall fescue (turf type)2 -Mustang II	150 lbs.	5.6 to 7.5
TOTAL	230 lbs.	

Table 2 Temporary Nurse Crop:
1. A wheat/oat companion or nurse crop may be used with any of the above permanent seeding mixture, if seeding will be done after August 15at the following rates:

Seed Mixtures	Rate per Acre Pure Live Seed	Optimum Soil pH
1. Avena sativa (seed oats)	32 lbs.	
2. Lolium multiflorum (Annual Rye Grass)	5 lbs.	
TOTAL	37 lbs.	

(4) MULCHING

Specifications
Materials

Table 1 Mulch Specifications

Material 1	Rate per Acre	Comments
Straw or Hay	2 tons	Shall be dry, free of undesirable seeds. Spread by hand or machine. Must be crimped or anchored (See Table 2).
Wood fiber or cellulose1	1 ton	Apply with a hydraulic mulch machine and use with tacking agent.

1 Mulching is not recommended in concentrated flows. Consider erosion control blankets or other stabilization methods.

Coverage
The mulch should have a uniform density of at least 80 percent over the soil surface.

Anchoring
Table 2 Mulch Anchoring Methods

Anchoring Method	How to Apply
Mulch anchoring tool or farm disk (dull, serrated, and blades set straight)	Crimp or punch the straw or hay two to four inches into the soil. Operate machinery on the contour of the slope.
Cleating with dozer tracks	Operate dozer up and down slope to prevent formation of rills by dozer cleats
Wood hydromulch fibers	Apply according to manufacturer's recommendations.
Synthetic tackifiers, binders, or soil stabilizers	Apply according to manufacturer's recommendations.
Netting (synthetic or biodegradable material)	Install netting immediately after applying mulch. Anchor netting with staples. Edges of netting strips should overlap with each up-slope strip overlapping four to six inches over the adjacent down-slope strip. Best suited to slope applications. In most instances, installation details are site specific, so manufacturer's recommendations should be followed.

1 All forms of mulch must be anchored to prevent displacement by wind and/or water.

Application
1. Apply mulch at the recommended rate shown in Table 1.
2. Spread the mulch material uniformly by hand, hayfork, mulch blower, or hydraulic mulch machine. After spreading, no more than 25 percent of the ground should be visible.
3. Anchor straw or hay mulch immediately after application. The mulch can be anchored using one of the methods listed below:
   a. Crimp with a mulch anchoring tool, a weighted farm disk with dull serrated blades set straight, or track cleats of a bulldozer,
   b. Apply hydraulic mulch with short cellulose fibers,
   c. Apply a liquid tackifier, or
   d. Cover with netting secured by staples.

Maintenance
- Inspect within 24 hours of each rain event and at least once every seven calendar days.
- Check for erosion or movement of mulch; repair damaged areas, reseed, apply new mulch and anchor the mulch in place.
- Continue inspections until vegetation is firmly established.
- If erosion is severe or recurring, use erosion control blankets or other more substantial stabilization methods to protect the area.

(6) Compost Mulching

Compost Specifications
- Feedstocks may include but are not limited to well-composted vegetable matter, leaves, yard trimmings, food scraps, composted manures, paper fiber, wood bark, Class A biosolids (as defined in Title 40 of the Code of Federal Regulations at 40 CFR Part 503), or any combination thereof.
- Compost shall be produced using an aerobic composting process meeting 40 CFR Part 503 regulations, including time and temperature data indicating effective weed seed, pathogen, and insect larvae kill.
- Compost shall be well decomposed, stable, and weed free.
- Refuse free (less than one percent by weight).
- Free of any contaminants and materials toxic to plant growth.
- Inert materials not to exceed one percent by dry weight pH of 5.5 to 8.0.
- Carbon-nitrogen ratio not to exceed 100.
- Moisture content not to exceed 45 percent by dry weight.
- Variable particle size with maximum dimensions of three inches in length, one-half inch in width and one-half inch in depth.

Table 1 Compost Particle Size

Percent Passing Sieve Size			
2-Inch Sieve	1-Inch Sieve	3/4-Inch Sieve	>1/4-Inch Sieve
100%	99%	90%	25%

Bonding Agents (optional)
Tackifiers, flocculants, or microbial additives may be used to remove sediment and/or additional pollutants from storm water runoff. (All additives combined with compost materials should be tested for physical results at a certified erosion and sediment control laboratory and biologically tested for elevated beneficial microorganisms at a United States Compost Council, Seal of Testing Assurance, approved testing laboratory.)

Soil Material (optional)
Five percent to ten percent sandy loam (as classified by the U.S. Department of Agriculture soil classification system).

Cover Density
Ninety percent or greater over the soil surface.

Anchoring Method
- Moisten compost/mulch blanket for a minimum of 60 days.
- Erosion control netting (optional).

Cover Thickness
Table 2 Compost Blanket Thickness

Slope		Thickness of Compost Blanket	Thickness of Compost Blanket with Erosion Control Netting
< 25%	< 4:1	1 to 2 inches	Not Applicable
25% to 50%	4:1 to 2:1	1 to 2 inches	2 inches
> 50%	> 2:1	2 to 3 inches	3 inches

Application
1. Remove existing vegetation, large soil clods, rocks, stumps, large roots, and debris in areas where compost mulch is to be applied and dispose of in designated areas.
2. Scarify sloping areas.
3. Aerate areas to be covered with compost/mulch blanket. (Proper aeration will require a minimum of two passes oriented in opposite directions.)
4. Broadcast a minimum of one pound of nitrogen (N), one-half pound of phosphorous (P205), and one-half pound of potash (K20) per 1,000 square feet or 300 to 400 pounds per acre of 12-12-12 analysis fertilizer, or equivalent, per acre.
5. Apply compost mulch blanket with a pneumatic blower or per manufacturer's directions.
   a. Apply within three days of completing aeration operations.
   b. Overlap top of slope shoulder by five to ten feet.
   c. Seed may be applied at time of installation. (Seed must be evenly blended into the compost if applied with a pneumatic blower or applied with a calibrated seeder attachment prior to installation of the compost blanket.)
6. Water compost mulch blanket for a period of 60 days following application. (On steeper slopes, it may be necessary to install erosion control netting over the compost blanket.)
   a. Mist blanket for first seven days and then every three days throughout the remainder of the 60-day period.
   b. Maintain a constant moisture content of 40 percent to 60 percent.

Maintenance
- Inspect within 24 hours of a rain event and at least once every seven calendar days.
- Repair eroded areas.
- Reseed, if applicable.
- Monitor vegetation and apply appropriate soil amendments (if needed) per a soil test.

Revisions

Mark	Date	Description
1	05.23.22	ADDENDUM 1

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STORMWATER POLLUTION PREVENTION NOTES
MONON TRAIL SOFTBALL COMPLEX PARKING LOT
WESTFIELD-WASHINGTON SCHOOL
19500 TOMLINSON ROAD
WESTFIELD, IN 46074

CERTIFIED BY:
Gary E. Murray
GARY E. MURRAY
STATE OF INDIANA
10800019
REGISTERED PROFESSIONAL ENGINEER
Date 04-15-2022

Indiana811
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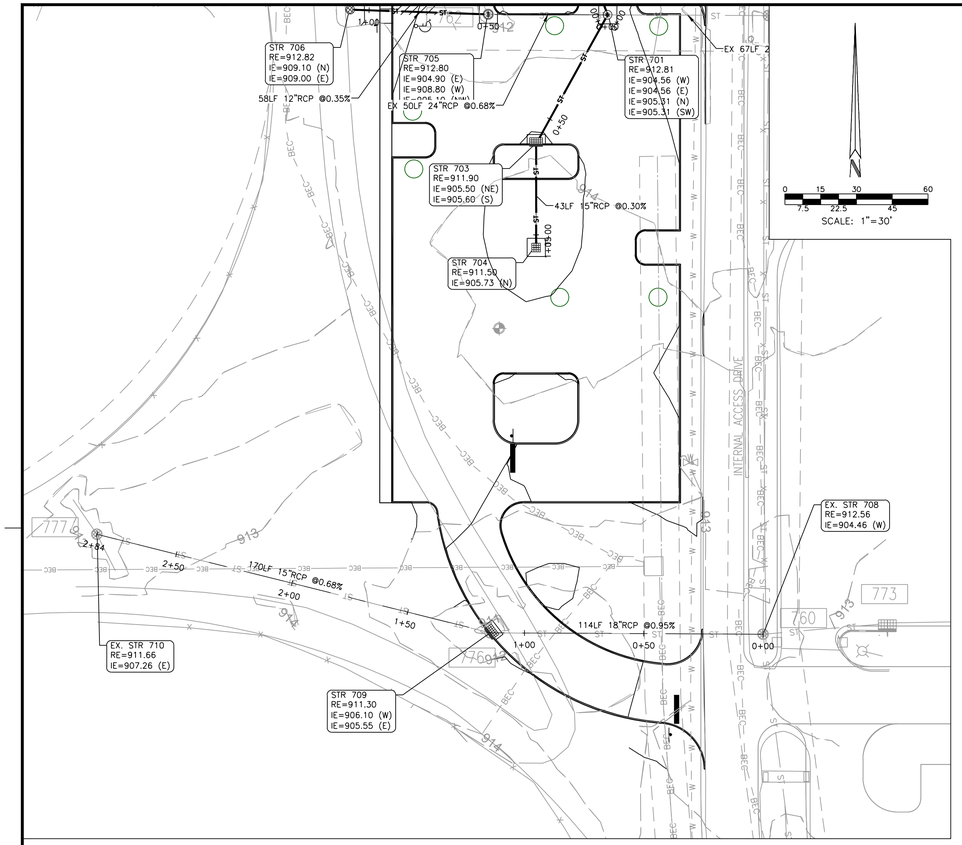
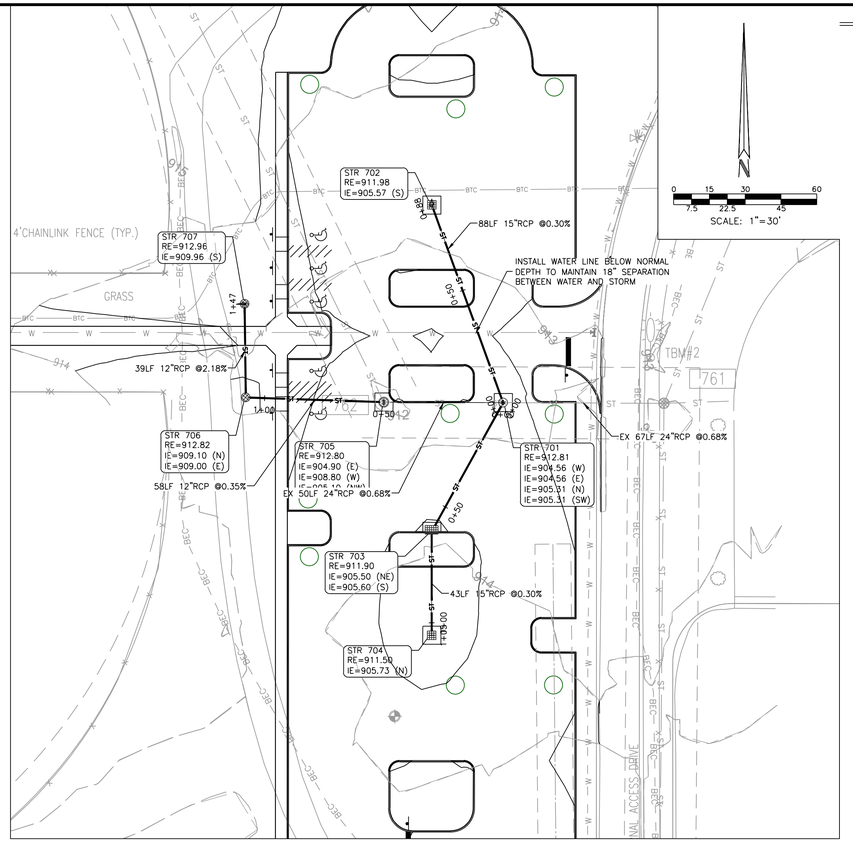
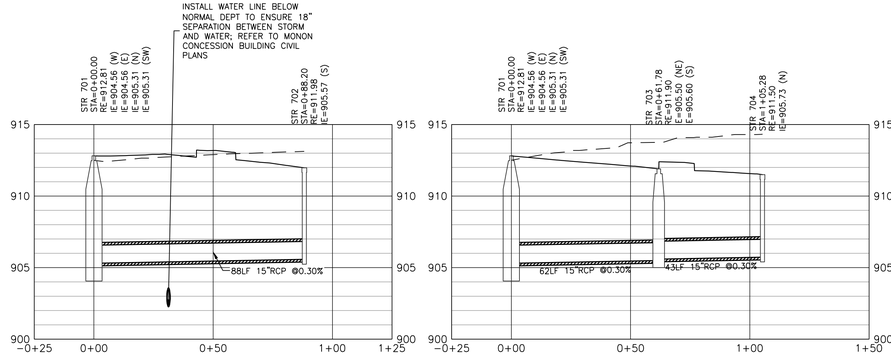
Drawn By: S. SHAW
Checked By: D. PELLOM, PLA
Quality Assurance: G. MURRAY, PE, LEED AP
Scale: 1" = 50'
Sheet: C403
Date: 04-15-2022
Project Number: 050391-20400





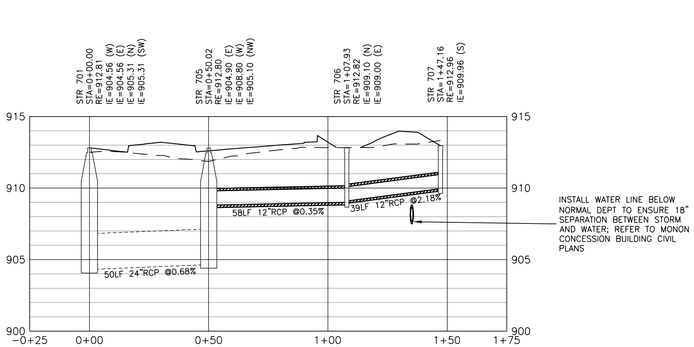
UTILITY PLAN LEGEND

- STORM SEWER, MANHOLE
- SUBSURFACE DRAIN (SSD)
- ROOF DRAIN, CLEANOUT
- WATER LINE, METER, VALVE
- SANITARY SEWER, MANHOLE
- SANITARY LATERAL, CLEAN OUT
- EASEMENT LINE
- OVERHEAD ELECTRIC, POLE
- BURIED ELECTRIC, MANHOLE
- OVERHEAD CABLE TELEVISION
- BURIED CABLE TELEVISION
- GAS LINE, METER, VALVE
- OVERHEAD TELEPHONE LINE
- BURIED TELEPHONE LINE
- END SECTION
- CURB INLET
- STORM SEWER INLETS
- "TEE" FITTING
- TAPPING SLEEVE & VALVE
- FIRE HYDRANT
- FIRE DEPARTMENT CONNECTION
- POST INDICATOR VALVE
- STREET LIGHT
- TRANSFORMER
- ELECTRIC METER
- CABLE RISER PEDESTAL



PROFILE - STR 701 - STR 702
HOR SCALE = 1"=30'
VERT. SCALE = 1"=5'

PROFILE - STR 701 - STR 704
HOR SCALE = 1"=30'
VERT. SCALE = 1"=5'



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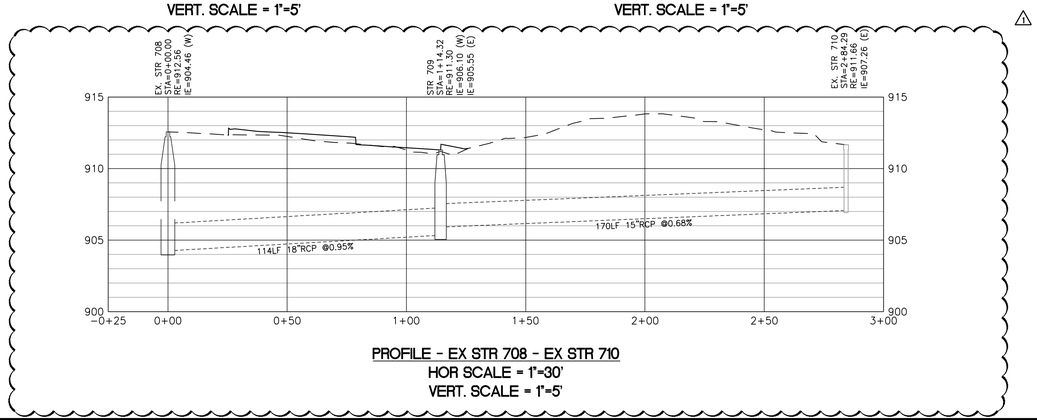

PROFILE - EX STR 708 - EX STR 710
HOR SCALE = 1"=30'
VERT. SCALE = 1"=5'

⚠1

STORM SEWER STRUCTURE DATA TABLE

⚠1 STRUCTURE #	STRUCTURE TYPE	SIZE	CASTING	RIM ELEV.	PIPE IN (DIR.) [FROM STR.]	PIPE OUT (DIR.) [TO STR.]	PIPE OUT LENGTH	PIPE OUT SLOPE	NOTES
EX. STR 708	MANHOLE	EXISTING	EXISTING	912.56	18"RCP 904.46 (W) [STR 709]				
EX. STR 710	INLET	EXISTING	EXISTING	908.78		15"RCP 907.26 (E) [STR 709]	170 LF	0.68%	
STR 701	MANHOLE	72"	NEENAH R-1642	912.81	24"RCP 904.56 (W) [STR 705] 15"RCP 905.31 (N) [STR 702] 15"RCP 905.31 (SW) [STR 703]	24"RCP 904.56 (E) [STR 7011]	67 LF	0.68%	
STR 702	INLET	24" X 24"	NEENAH R-3405	911.98		15"RCP 905.57 (S) [STR 701]	88 LF	0.30%	
STR 703	MANHOLE	48"	NEENAH R-3287-SB10	911.90	15"RCP 905.60 (S) [STR 704]	15"RCP 905.50 (NE) [STR 701]	62 LF	0.30%	
STR 704	INLET	24" X 24"	NEENAH R-3405	911.50		15"RCP 905.73 (N) [STR 703]	43 LF	0.30%	
STR 705	MANHOLE	72"	NEENAH R-1642	912.80	12"RCP 908.80 (W) [STR 706] 24"RCP 905.10 (NW) [STR 718]	24"RCP 904.90 (E) [STR 701]	50 LF	0.68%	
STR 706	INLET	24" X 24"	NEENAH R-2560-C	912.82	12"RCP 909.10 (N) [STR 707]	12"RCP 909.00 (E) [STR 705]	58 LF	0.35%	
STR 707	INLET	24" X 24"	NEENAH R-2560-C	912.96		12"RCP 909.96 (S) [STR 706]	39 LF	2.18%	
STR 709	MANHOLE	48"	NEENAH R-3287-SB10	911.30	15"RCP 906.10 (W) [EX. STR 710]	18"RCP 905.55 (E) [EX. STR 708]	114 LF	0.95%	

Revision	Mark	Date	Description
	1	05-23-22	ADDENDUM 1

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STORM PLAN AND PROFILES
MONON TRAIL SOFTBALL COMPLEX PARKING LOT
WESTFIELD-WASHINGTON SCHOOL
19500 TOMLINSON ROAD
WESTFIELD, IN 46074

CERTIFIED BY:
Gary E. Murray
GARY E. MURRAY
REGISTERED
PROFESSIONAL ENGINEER
STATE OF INDIANA
Date 04-15-2022

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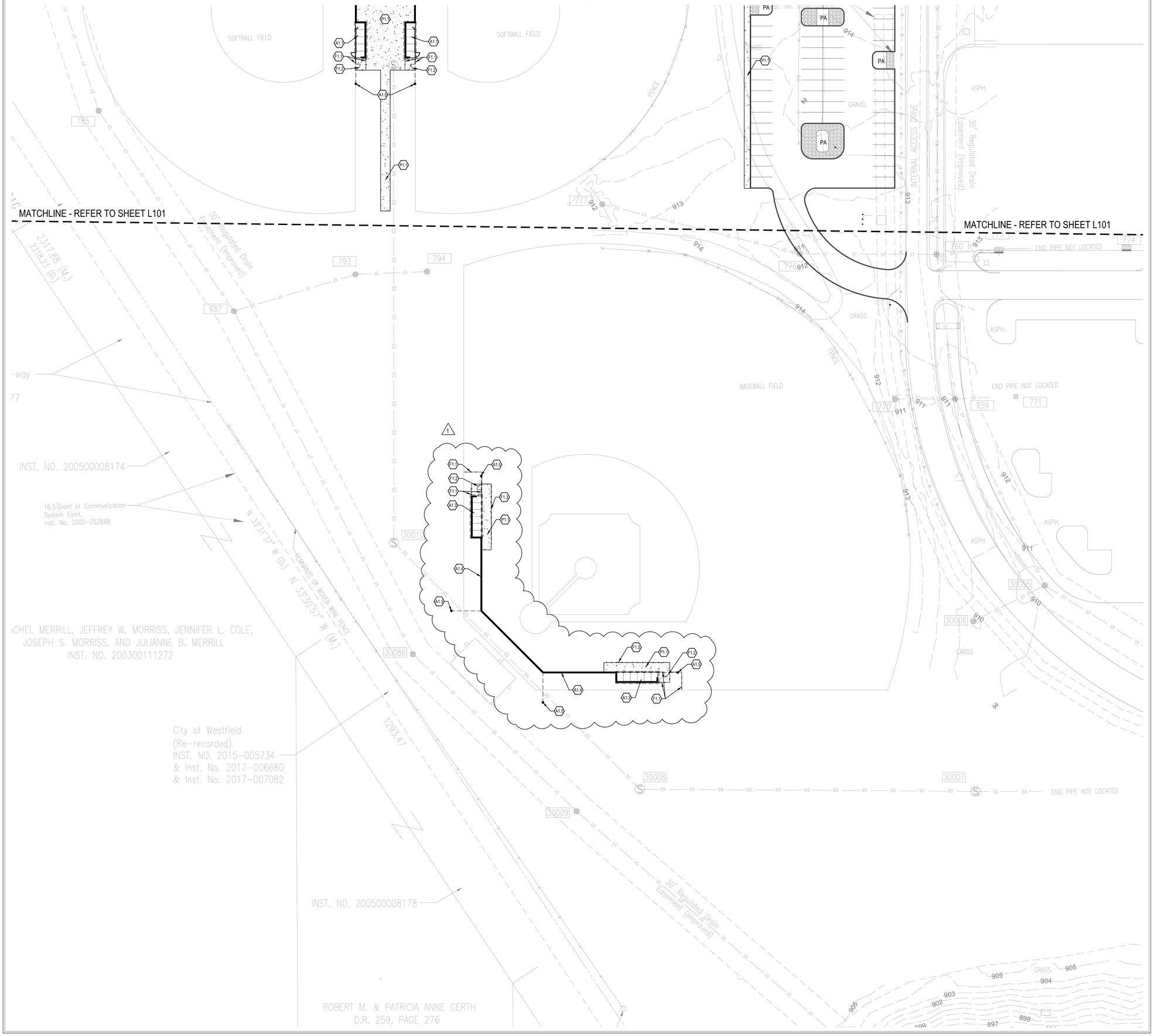
Drawn By: S. SHAW
Checked By: D. PELLOM, PLA
Quality Assurance: G. MURRAY, PE, LEED AP
Scale: 1" = 30'
Sheet: C701A
Date: 04-15-2022
Project Number: 050391-20400



MATERIAL LEGEND

P1.0 Pavement, Concrete

- P1.1 Standard Concrete Pavement, Medium Broom Finish, Refer to Details 1-3/L500 and Specifications

F1.0 Sideline Fencing

- F1.1 6'-0" ht. Black PVC Coated Fence Posts and Fabric, Refer to Specifications
- F1.2 4'-0" Wide Black PVC Coated Fence Gate, 6'-0" ht., Refer to Specifications
- F1.3 4'- 0" ht. Chain-Link Fence, Refer to Specifications

A1.0 Athletic Components

- A1.1 Softball Dugout, Refer to Details 4-7/L500
- A1.2 Base Bid: Softball Chain-link Backstop, Refer to Details 3 and 4/L501 and Specifications
  Alternate Bid: Softball Backstop Wall and Netting System, Refer to Details 1-2 and 5/L501
- A1.3 Baseball Dugout, Refer to Details 1-2/L502 and 3-4/L503
- A1.4 Base Bid: Baseball Chain-link Backstop, Refer to Details 1 and 2/L503 and Specifications
  Alternate Bid: Baseball Backstop Wall and Netting System, Refer to Details 1-2/L504 and 5/L501
- A1.5 Alternate Bid: Approximate Location Assumed for Tie Back Poles, Typ.

North

0 15' 30' 60'

Scale 1" = 30'-0"

CSO
8831 Keystone Crossing, Indianapolis, IN 46240
317.848.7800 | csoinc.net

context DESIGN
5825 Lawton Loop E. Dr. | Indianapolis, IN 46216
317-485-6900 | www.context-design.com

PROJECT:
MONON TRAIL
SOFTBALL COMPLEX IMPROVEMENTS
CONSTRUCTION DOCUMENTS
WESTFIELD, IN

SCOPE DRAWINGS:
These drawings indicate the general scope of the project. Information contained herein is not intended to describe the building, the major architectural elements and the type of structural, mechanical and electrical systems.
The drawings do not necessarily indicate or describe all work required for full performance and completion of the construction work.
On the basis of the general scope indicated or described, the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:
1 Revision 1 05/25/2022

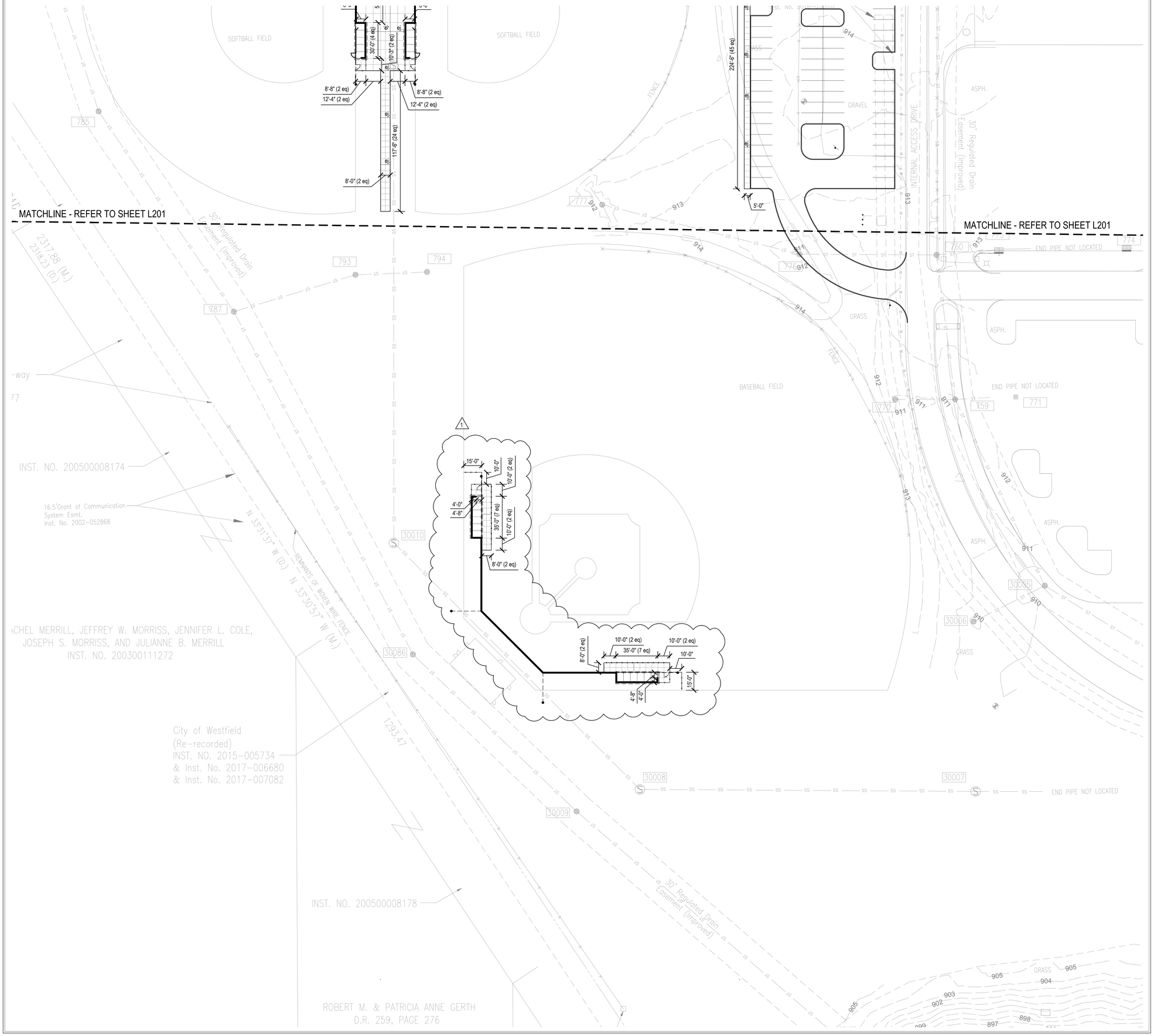
ISSUE DATE	DRAWN BY	CHECKED BY
04-15-2022	JT / DLF	FJP

DRAWING TITLE:
Materials and Notes Plan

CERTIFIED BY:
FREDDIE J. FRAZEAU
REGISTERED
No. 2020-0052
STATE OF INDIANA
LANDSCAPE ARCHITECT
EXPIRES 12-31-2023

DRAWING NUMBER
L102

PROJECT NUMBER
21-1469



LAYOUT NOTES

1. Dimensions are shown to Face of Curb unless otherwise noted.
2. Contractor shall coordinate final joint locations in the field with the Landscape Architect. Align to existing conditions when practical, including at building and wall corners, connections to existing work, and to centerlines of doors.
3. Space control joints evenly between all bands and expansion joints as shown, unless otherwise dimensioned. Space interim joints equally whenever possible.
4. Digital AutoCAD files will be provided to the successful bidder as a courtesy to assist with field layout. The Contractor maintains all responsibility for the use, accuracy, and confirmation of such data.
5. All pavement striping shown shall adhere to Specifications. The Contractor shall include in their bid any miscellaneous copy, striping, or curb painting that may be requested by the Fire Marshal.
6. All disturbed areas not proposed to receive pavements shall be dressed with topsoil and seeded per Specifications.
7. Contractor shall provide and install One (1) Accessible Parking Sign per accessible parking space indicated in plans. Coordinate final location in the field with Landscape Architect.

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context DESIGN
5825 Lawton Loop E. Dr. | Indianapolis, IN 46216
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PROJECT:
MONON TRAIL
SOFTBALL COMPLEX IMPROVEMENTS
CONSTRUCTION DOCUMENTS
WESTFIELD, IN

SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, and the major components of and the type of structural, mechanical and electrical systems.
The drawings do not necessarily indicate or describe all labor and materials for performance and completion of the requirements of the Contract.
On the basis of the general scope indicated or described, the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:

1	Revision 1	05/25/2022

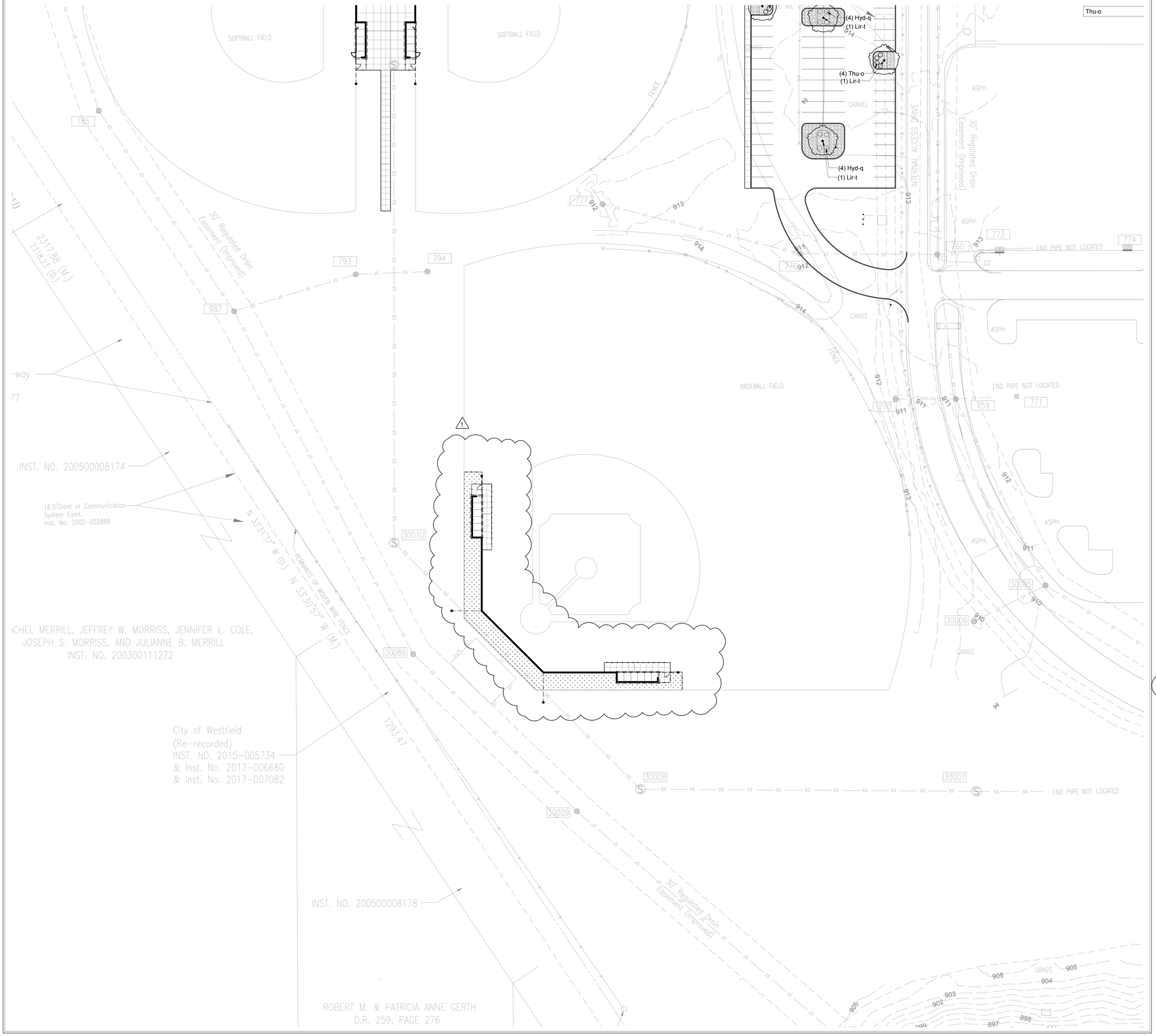
ISSUE DATE	DRAWN BY	CHECKED BY
04-15-2022	JT / DLF	FJP

DRAWING TITLE:
Layout Plan

CERTIFIED BY:
FREDDIE J. PRAZEAU
REGISTERED
No. 2020-0052
STATE OF INDIANA
LANDSCAPE ARCHITECT
EXPIRES 12-31-2023

DRAWING NUMBER
L202

PROJECT NUMBER
21-1469



GENERAL LANDSCAPE AND PLANTING NOTES

1. Refer to Project Manual for Planting Specifications and Topsoil requirements. Refer to Plant Schedule and Planting Details for additional information.
2. All materials are subject to the approval of the Landscape Architect and Owner at any time. Landscape Architect to inspect all plant locations and plant bed conditions prior to installation. On-site adjustments may be required.
3. Rootballs shall meet or exceed size standards as set forth in 'American Standards for Nursery Stock'. MAIN LEADERS OF ALL TREES SHALL REMAIN INTACT.
4. Remove from the site any plant material that turns brown or defoliates within five (5) days after planting. Replace immediately with approved, specified material.
5. Plant counts indicated on drawings are for Landscape Architect's use only. Contractor shall make own plant quantity takeoffs using drawings, specifications, and plant schedule requirements (i.e., spacing), unless otherwise directed by Landscape Architect. Contractor to verify bed measurements and install appropriate quantities as governed by plant spacing per schedule. Plant material quantities shown on plan are minimum quantities. Additional material may be needed to meet spacing requirements and field conditions.
6. Seed all areas disturbed by construction activities that are not otherwise noted to receive pavement, planting bed, or sod treatment.
7. The Contractor shall install and/or amend topsoil in all proposed bed areas to meet Specifications. Contractor shall coordinate quantity and placement of topsoil. Landscaper shall verify depth of topsoil prior to plant installation. (Refer to specifications for topsoil source and placement requirements)
8. All tree locations shall be marked with 2x2" stakes prior to planting for review and approval by the Landscape Architect. Any plant material installed in an incorrect location, by the judgment of the Landscape Architect, shall be reinstalled at the Contractor's expense.
9. All plant beds shall receive 3" minimum of shredded hardwood bark mulch (unless otherwise noted).
10. Verify all utility locations in the field prior to beginning work. Repair all damaged utilities to Owner's satisfaction at no additional cost.
11. The Contractor shall maintain all plant material and lawns until the project is fully accepted by the Landscape Architect, unless otherwise noted.
12. All workmanship and materials shall be guaranteed by the Contractor for a period of one calendar year after Final Acceptance.
13. Install all plant material in accordance with all local codes and ordinances. Coordinate with the Owner to obtain any required permits necessary to complete work.
14. Contractor shall test all tree pits for drainage. Any tree pit that holds water for more than 24 hours shall be installed using tree pit drainage.
15. When applicable, Tree Protection Fencing is the responsibility of the Contractor. Minimum protected area shall include the full drip line of the canopy. NO construction activities, material storage, etc. may occur within that area. The Contractor shall ensure that no soil compaction or tree damage occurs in any Protected areas, at any time during the construction process.
16. Trees shall be matched in groups unless otherwise noted.

PLANTING ORDINANCE CHART

ZONING: AG-SF1 (UDO site requirements)

From Westfield - Washington Township Unified Development Ordinances as of April 2022:

CHAPTER 6.8 - LANDSCAPING STANDARDS

O - PARKING AREA LANDSCAPING

1 - INTERIOR PARKING LOT LANDSCAPING
Requirements: 10% of vehicular use area shall be landscaped. Interior landscaped areas to limit unbroken rows of parking spaces to a maximum of (200) ft. in length. Parking lot islands shall include at least (1) tree and (4) shrubs per parking lot island.

Parking lot islands = 4,227 sq. ft.
Required: 9 trees + 40 shrubs
Provided: 9 trees + 50 shrubs

Mulch

4" Depth of "Northern Lights" Brown/ Tan/ Cream Landscape Aggregate. Stone Center of Indiana, 1-855-211-9100, or Approved Equal.

Sod

NOTE: ALL TREES MUST BE A MINIMUM OF 4 FT. FROM ALL DRIVES, CURBS, AND SIDEWALKS.

North

0 15' 30' 60'
Scale 1" = 30'-0"

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317-485-6900 | www.context-design.com

PROJECT:
MONON TRAIL
SOFTBALL COMPLEX IMPROVEMENTS
CONSTRUCTION
DOCUMENTS
WESTFIELD, IN

SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, and the relationship between it and the type of structural, mechanical and electrical systems.
The drawings do not necessarily indicate or describe all work required for full performance and completion of the requirements of the Contract.
The Trade Contractors shall install scope indicated or described; the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:
1 Revision 1 05/25/2022

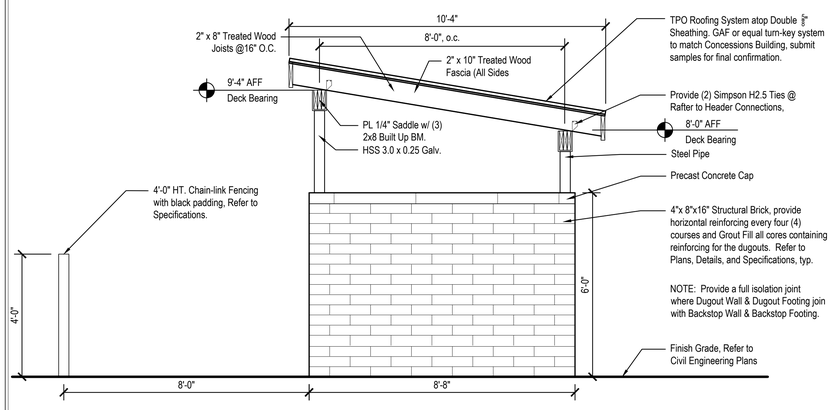
ISSUE DATE	DRAWN BY:	CHECKED BY
04-15-2022	JT / DLF	FJP

DRAWING TITLE:
Planting Plan

CERTIFIED BY:

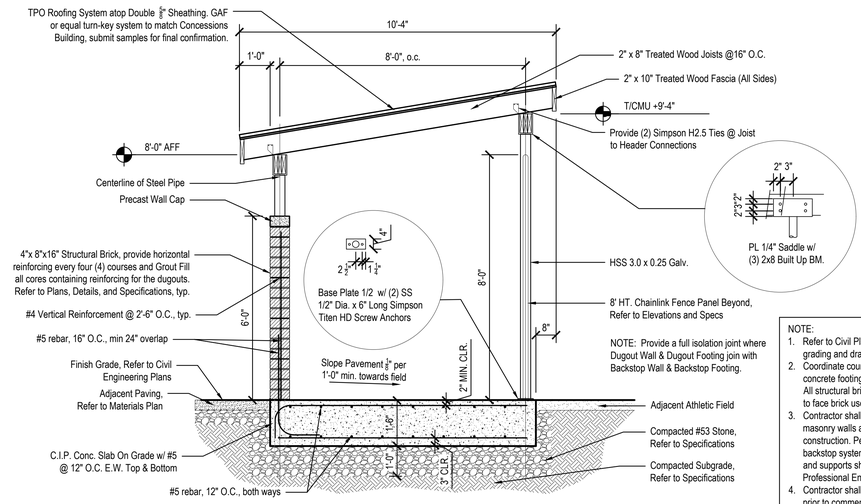
DRAWING NUMBER
L302

PROJECT NUMBER
21-1469



4 MASONRY DUGOUT ELEVATION - BASEBALL

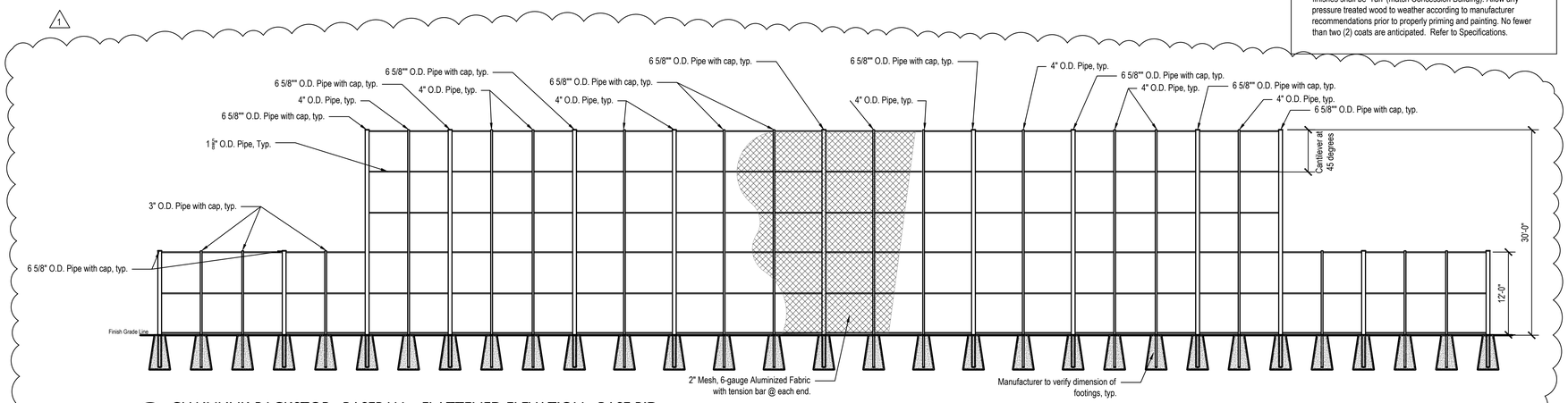
Scale: 1/2" = 1'-0"



3 MASONRY DUGOUT SECTION - BASEBALL

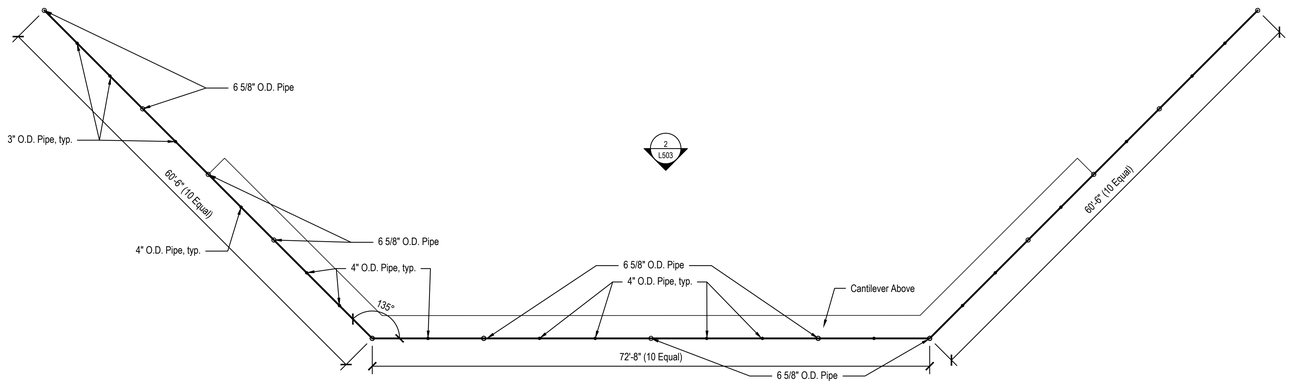
Scale: 1/2" = 1'-0"

NOTE:
1. Refer to Civil Plans and Specifications for information regarding grading and drainage.
2. Coordinate coursing of structural brick to ensure no exposure of concrete footings above-grade on Dugouts and Backstop Knee Walls. All structural brick products shall be an exact color and texture match to face brick used elsewhere in the architectural plans.
3. Contractor shall provide full and detailed shop drawings of all masonry walls and backstop systems for review and approval prior to construction. Per applicable specifications, structural approval of backstop systems, walls, dugouts, and related footings, foundations, and supports shall be provided by the Contractor via a certified Professional Engineer.
4. Contractor shall identify potential below grade infrastructure conflicts prior to commencing Shop Drawings. Incorporate solutions within submittals that minimize or eliminate additional costs to the Owner.
5. Backstop Netting shall extend the full length of each masonry backstop wall and tie flush to each dugout.
6. Manufacturer shall confirm and adjust locations of the Backstop Netting Tie-back Poles in field as necessary to avoid conflicts where utilities and adjacent structures and site elements affect layout. Coordinate with Engineer and Landscape Architect.
7. All exposed wood and metal surfaces within dugout shall be properly primed and painted finish. Dugout metals shall be universally 'Black' with no less than two (2) coats achieving 7 mil thickness. All wood finishes shall be 'Tan' (match Concession Building). Allow any pressure treated wood to weather according to manufacturer recommendations prior to properly priming and painting. No fewer than two (2) coats are anticipated. Refer to Specifications.



2 CHAINLINK BACKSTOP - BASEBALL - FLATTENED ELEVATION - BASE BID

Scale: 1/8" = 1'-0"



1 CHAINLINK BACKSTOP - BASEBALL - ENLARGED PLAN - BASE BID

Scale: 1/8" = 1'-0"

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PROJECT:
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DOCUMENTS
WESTFIELD, IN

SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of the building size, the major architectural features of the building, the major architectural elements and the type of structural, mechanical and electrical systems.
The drawings and specifications are intended to describe all work required for full performance and completion of the requirements of the Contract.
On the basis of the general scope indicated or described, the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:
1 Revision 1 05/25/2022

ISSUE DATE	DRAWN BY	CHECKED BY
04-15-2022	JT / DLF	FJP

DRAWING TITLE:
Site Details

CERTIFIED BY:
FREDDIE J. PRAZEAU
REGISTERED
No.
2020-0052
STATE OF
INDIANA
LANDSCAPE ARCHITECT
EXPIRES 12-31-2023

DRAWING NUMBER
L503

PROJECT NUMBER
21-1469

NOTE:
1. Refer to Civil Plans and Specifications for information regarding grading and drainage.
2. Coordinate coursing of structural brick to ensure no exposure of concrete footings above-grade on Dugouts and Backstop Knee Walls. All structural brick products shall be an exact color and texture match to face brick used elsewhere in the architectural plans.
3. Contractor shall provide full and detailed shop drawings of all masonry walls and backstop systems for review and approval prior to construction. Per applicable specifications, structural approval of backstop systems, walls, dugouts, and related footings, foundations, and supports shall be provided by the Contractor via a certified Professional Engineer.
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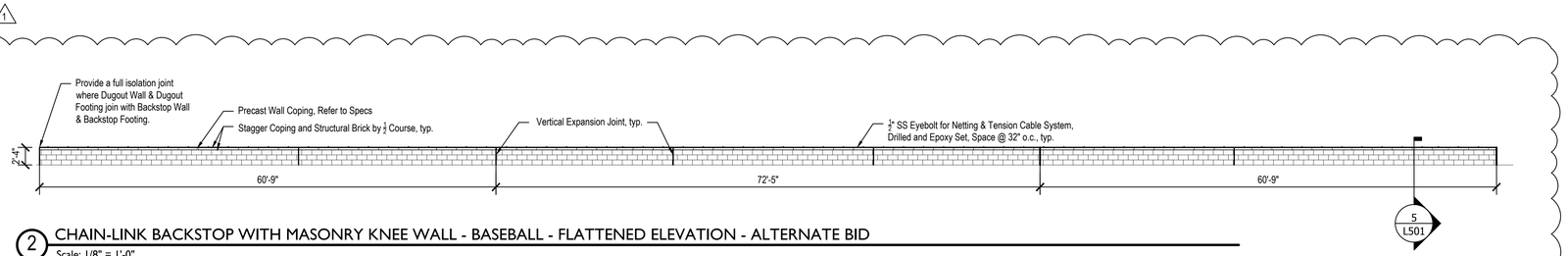
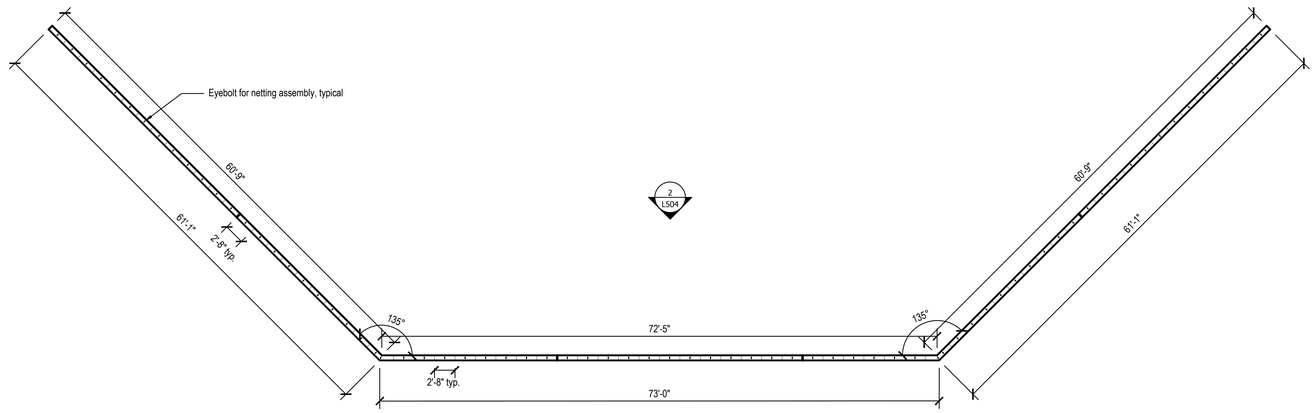
7. All exposed wood and metal surfaces within dugout shall be properly primed and painted finish. Dugout metals shall be universally 'Black' with no less than two (2) coats achieving 7 mil thickness. All wood finishes shall be 'Tan' (match Concession Building). Allow any pressure treated wood to weather according to manufacturer recommendations prior to properly priming and painting. No fewer than two (2) coats are anticipated. Refer to Specifications.



2 CHAIN-LINK BACKSTOP WITH MASONRY KNEE WALL - BASEBALL - FLATTENED ELEVATION - ALTERNATE BID
Scale: 1/8" = 1'-0"



1 CHAIN-LINK BACKSTOP WITH MASONRY KNEE WALL - BASEBALL - ENLARGED PLAN - ALTERNATE BID
Scale: 1/8" = 1'-0"

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PROJECT:
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WESTFIELD, IN

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REVISIONS:
1 Revision 1 05/25/2022

ISSUE DATE	DRAWN BY	CHECKED BY
04-15-2022	JT / DLF	FJP

DRAWING TITLE:
Site Details

CERTIFIED BY:
FREDDIE J. PRAZEAU
REGISTERED
No.
2020-0052
STATE OF
INDIANA
LANDSCAPE ARCHITECT
EXPIRES 12-31-2023

DRAWING NUMBER
L504

PROJECT NUMBER
21-1469

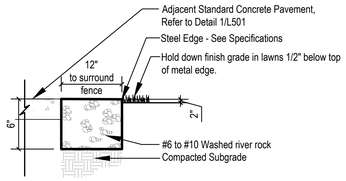
PLANT SCHEDULE						
DECIDUOUS TREES	QTY	BOTANICAL NAME	COMMON NAME	CONT	CAL	REMARKS
Lir-t	5	Liriodendron tulipifera	Tulip Tree	B & B	2"Cal	full, strong central leader, matched
Ulm-m	4	Ulmus x `Morton Accolade`	Morton Accolade Elm	B & B	2"Cal	full, strong central leader, matched
SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	SIZE	HEIGHT	REMARKS
Fot-g	18	Fothergilla gardenii	Dwarf Fothergilla	container	24"	space @ 3`-0" o.c.
Hyd-q	20	Hydrangea quercifolia	Oakleaf Hydrangea `Ruby Slippers`	container	24"	space @ 4`-0" o.c.
Thu-o	12	Thuja occidentalis `Little Giant`	Little Giant Arborvitae	container	24"	space @ 4`-0" o.c.

Mulch

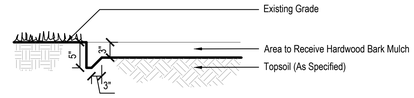
4" Depth of "Northern Lights" Brown/ Tan/ Cream Landscape Aggregate. Stone Center of Indiana, 1-855-211-9100, or Approved Equal.

1 Sod

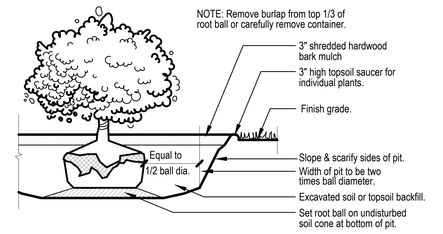
NOTE: ALL TREES MUST BE A MINIMUM OF 4 FT. FROM ALL DRIVES, CURBS, AND SIDEWALKS.



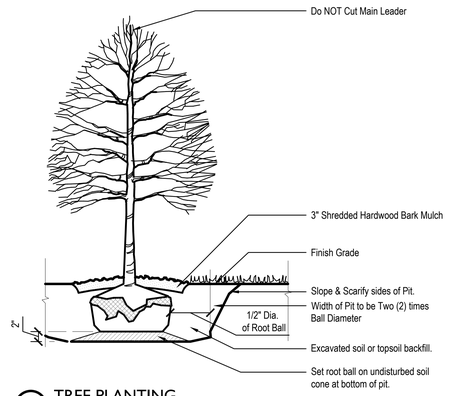
4 STONE MAINTENANCE EDGE
Not to Scale



3 SPADE EDGE
Not to Scale



2 SHRUB PLANTING
Not to Scale



1 TREE PLANTING
Not to Scale

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MONON TRAIL
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WESTFIELD, IN

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The Contractor is to provide all general scope indicated or described, the trade contractors are to still furnish all items required for the proper execution and completion of the work.

REVISIONS:
1 Revision 1 05/25/2022

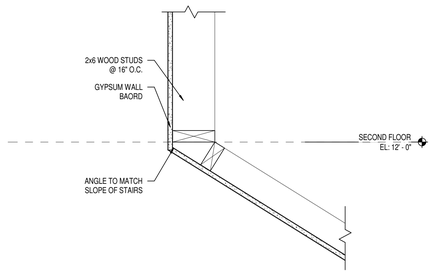
ISSUE DATE	DRAWN BY	CHECKED BY
04-15-2022	JT / DLF	FJP

DRAWING TITLE:
Landscape Details

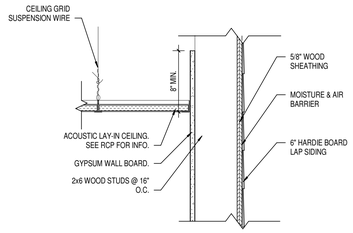
CERTIFIED BY:

DRAWING NUMBER
L510

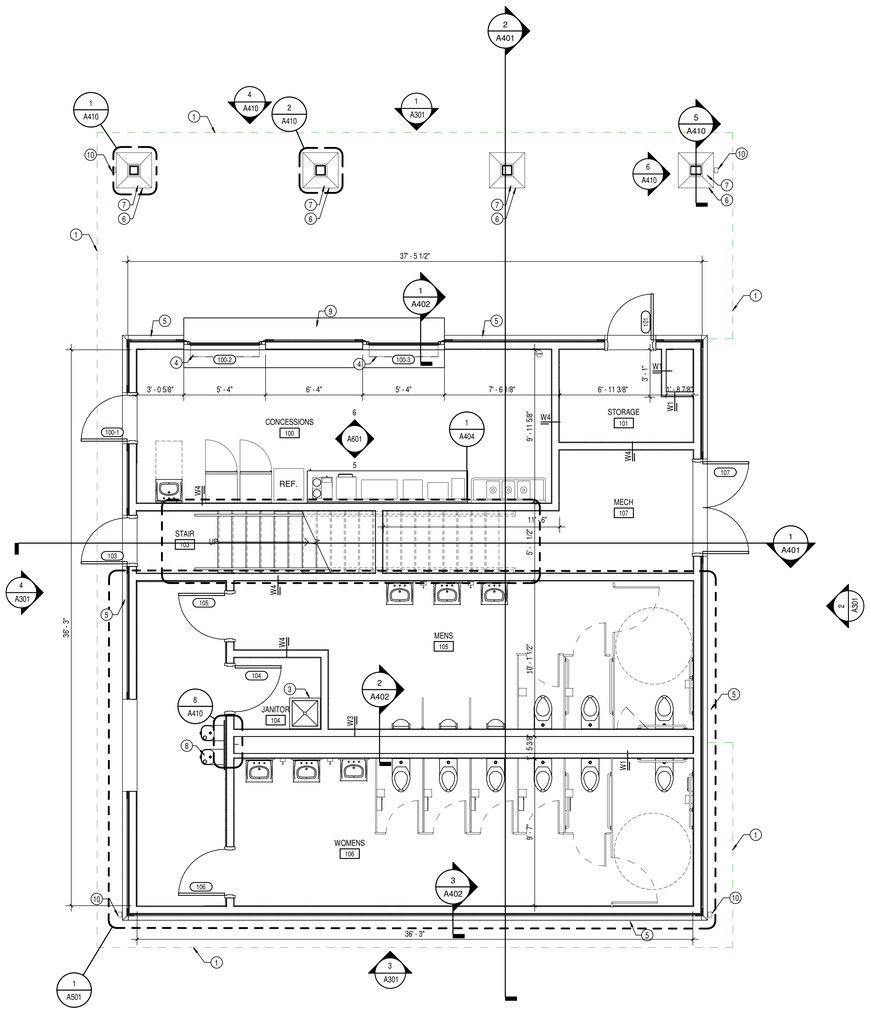
PROJECT NUMBER
21-1469



3 A200 CEILING DETAIL
SCALE: 1 1/2" = 1'-0"

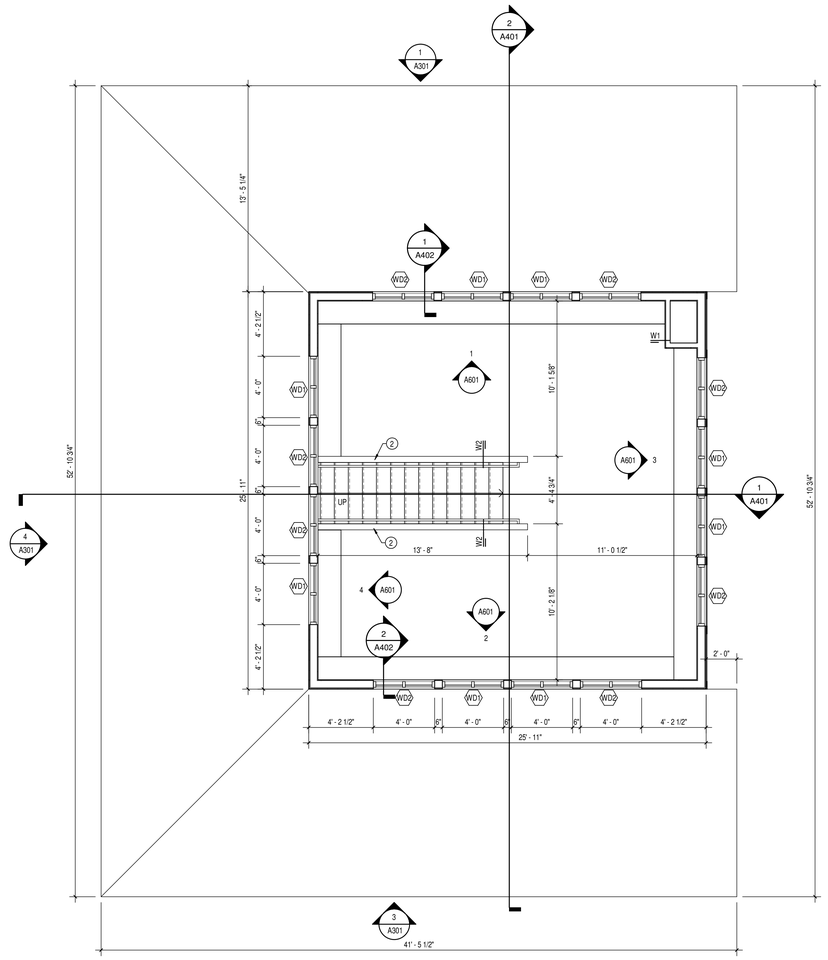


4 A200 CEILING DETAIL
SCALE: 1 1/2" = 1'-0"



1 A200 ENLARGED GROUND FLOOR PLAN
SCALE: 1/4" = 1'-0"

NORTH



2 A200 ENLARGED SECOND FLOOR PLAN
SCALE: 1/4" = 1'-0"

NORTH

GENERAL NOTES

A. COORDINATE THE WORK OF EACH TRADE WITH THE WORK OF OTHER TRADES.
B. ALL WORK IS TO BE COMPLETED IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, ORDINANCES, RULES, REGULATIONS AND STANDARDS INCLUDING, BUT NOT LIMITED TO THOSE LISTED ON THE COVER SHEET. ALL APPLICABLE RULES & REGULATIONS ARE TO BE THE MOST CURRENT ADOPTED EDITIONS.
C. FIELD VERIFY EXISTING CONDITIONS AND DIMENSIONS PRIOR TO THE COMMENCEMENT OF WORK. DISCREPANCIES BETWEEN THE DOCUMENTS AND THE ACTUAL CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO THE COMMENCEMENT OF WORK.
D. ALL DIMENSIONS ARE FROM CENTERLINE OF STRUCTURE, FINISH FACE OF WALL, FACE OF MASONRY, OR FACE OF EXISTING.
E. ANY DIMENSIONS NOT SHOWN OR DEEMED QUESTIONABLE ARE TO BE VERIFIED BY ARCHITECT. DO NOT SCALE DRAWINGS.
F. REFER TO WALL TYPE SCHEDULE, SHEET A200, TO DETERMINE WHICH WALLS EXTEND TO DECK. SEE STRUCTURAL FOR TOP SUPPORT DETAIL.
G. ALL WOOD STUDS ARE TO BE BRACED ACCORDING TO MANUFACTURER LIMIT HEIGHT (L/240).
H. REFER TO PLUMBING PLANS FOR LOCATION OF FLOOR DRAINS.
I. WHERE ACCESS PANELS ARE SHOWN IN TOILET ROOM CHASES, FINAL LOCATION SHALL BE COORDINATED WITH OTHER TRADES PRIOR TO INSTALLATION.
J. ALL CONCRETE MASONRY UNITS (CMU) SHALL BE LAID RUNNING BOND U.N.O. CMU WALLS THAT DO NOT LAY OUT IN FULL OR HALF LENGTHS SHOULD BE BALANCED SO AS NOT TO HAVE ANY PIECES LESS THAN 4" IN SIZE EXPOSED TO VIEW.
K. PROVIDE MISCELLANEOUS SUPPORT FOR ALL CEILING SUSPENDED ITEMS.
L. DOOR AND FRAME NUMBERS CORRESPOND TO ROOM NUMBERS. WHERE MORE THAN ONE DOOR OCCURS IN A ROOM, A SUFFIX HAS BEEN ADDED (E.G. A100-1). SEE A500 SERIES DRAWINGS FOR DOOR SCHEDULE AND DETAILS.
M. ALL DOOR FRAMES SHALL BE LOCATED 4" OFF FINISH WALLS OR 4" OFF MASONRY WALLS UNLESS NOTED OTHERWISE.
N. AT BUILDING EXPANSION JOINTS, ALL PARTITIONS, CEILINGS, FLOORS AND ALL WALL, FLOOR OR CEILING MOUNTED ITEMS SHALL BE ANCHORED TO THE BUILDING STRUCTURE ON ONLY ONE SIDE OF THE EXPANSIONS JOINTS. CONTRACTOR SHALL COORDINATE CONSTRUCTION OR INSTALLATION OF ALL ITEMS NOTED TO ASSURE THAT NO SUCH ITEMS BRIDGE ACCROSS THE EXPANSION JOINT.
O. ALL SLAB-ON-GRADE CONTROL JOINTS TO BE CLEANED AND CAULKED PRIOR TO PLACEMENT OF FLOOR FINISH.
P. SEE REFLECTED CEILING PLANS FOR BULKHEAD (IF ANY) LOCATIONS AND DETAILS.
Q. REFER TO MECHANICAL DRAWINGS FOR WALL LOUVER LOCATIONS, SIZES AND QUANTITIES.
R. SEE A400 SERIES DRAWINGS FOR FINISH SCHEDULE AND PLANS.
S. SEE A600 SERIES DRAWINGS FOR EQUIPMENT SCHEDULE AND PLANS. PROVIDE BLOCKING IN STUD WALLS AND/OR GROUTED MASONRY CORES AS REQUIRED TO SUPPORT EQUIPMENT.
T. PROVIDE FIRE RESISTANT TREATED WOOD BLOCKING SUPPORTS AS REQUIRED FOR ALL SURFACE MOUNTED ITEMS.
U. WHERE DISIMILAR FLOOR MATERIALS MEET, THEY SHALL DO SO UNDER THE CENTERLINE OF THE DOOR UNLESS NOTED OTHERWISE.
V. APPLY SEALANT AT ALL JUNCTURES BETWEEN DIFFERENT MATERIALS (E.G. MASONRY TO GYPSUM WALL BOARD) UTILIZING THE APPROPRIATE TYPE PER SPECIFICATIONS. COLOR TO BE SELECTED BY ARCHITECT.
W. APPLY SEALANT AT ALL COUNTERTOPS AND BLACKSPLASHES AT JUNCTURE WITH WALL.
X. ALL DOORS MUST BE INSTALLED WITH AT LEAST THE MINIMUM MANEUVERING CLEARANCE AT THE DOOR APPROACH PER THE MOST CURRENT AMERICANS WITH DISABILITIES ACT.

PLAN NOTES

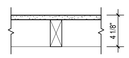
1 LINE OF ROOF CANOPY ABOVE. SEE ROOF PLAN
2 3'-6" PARTIAL HEIGHT WALL
3 MOP SINK. SEE PLUMBING DRAWINGS FOR DETAILS
4 OVERHEARD COLING DOOR FOR CONCESSIONS
5 BRICK VENEER EXTERIOR WALL BASE TO EXTEND +2'-8" A.F.F.
6 STONE CAP AT TOP OF BRICK COLUMN WRAP. SEE DETAILS A410
7 BRICK VENEER COLUMN BASE WRAP W/ EXTEND +2'-8" A.F.F.
8 WATER COOLERS. SEE PLUMBING FOR DETAILS
9 STAINLESS STEEL COUNTERTOP. SEE EQUIPMENT SCHEDULE
10 4" DOWNSPOUT TO FOLLOW PROFILE OF COLUMN AND COLUMN BASE TO GRADE.

WALL TYPE NOTES

1. SEE SPECIFICATIONS FOR GYPSUM WALL BOARD TYPE FOR EACH APPLICATION.
2. PROVIDE MOLD & MILDEW RESISTANT GYPSUM WALL BOARD AT EXTERIOR WALL LOCATIONS AND AT ALL WET AREA WALLS NOT RECEIVING WALL TILE.
3. WALL TYPES ARE ASSUMED TO BE CONTINUOUS WITHIN THE SAME PLANE OR SURFACE UNTIL ANOTHER TAG IS SHOWN.

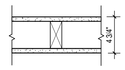
WALL TYPES

W1



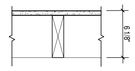
- 3 1/2" WOOD STUDS @ 16" O.C.
- 5/8" GYPSUM WALL BOARD ON ONE SIDE OF STUD, TAPED AND FINISHED.

W2



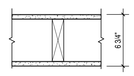
- 3 1/2" WOOD STUDS @ 16" O.C.
- 5/8" GYPSUM WALL BOARD BOTH SIDES OF STUD, TAPED AND FINISHED.

W3



- 6" WOOD STUDS @ 16" O.C.
- 5/8" GYPSUM WALL BOARD 1 SIDE OF STUD, TAPED AND FINISHED.

W4



- 6" WOOD STUDS @ 16" O.C.
- 5/8" GYPSUM WALL BOARD BOTH SIDES OF STUD, TAPED AND FINISHED.

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PROJECT:
MONON TRAIL
SOFTBALL COMPLEX IMPROVEMENTS
CONSTRUCTION DOCUMENTS
19400 TOMLINSON RD, WESTFIELD, IN 46074

SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, the major architectural elements and the type of structural, mechanical and electrical systems.
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On the basis of the general scope indicated or described, the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:
1 ADDENDUM #1 05/25/2022

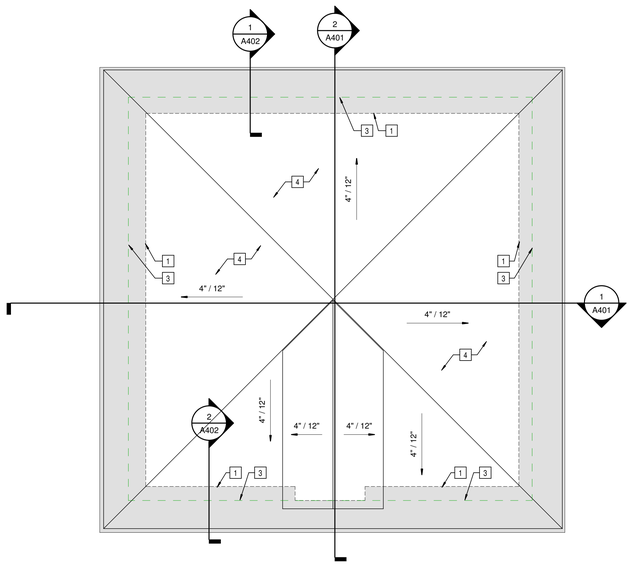
ISSUE DATE	DRAWN BY	CHECKED BY
04/18/2022	JNC	JDO

DRAWING TITLE:
ENLARGED FLOOR PLANS

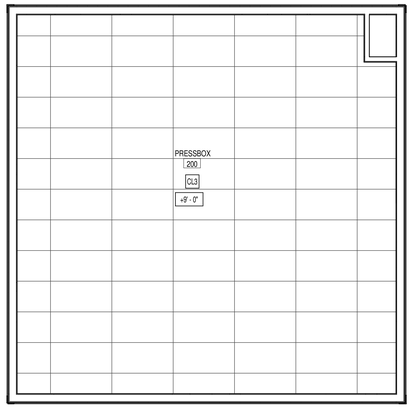
CERTIFIED BY:
JAMES ROBERT FUNK
REGISTERED
No. AR00900003
STATE OF INDIANA
ARCHITECT

DRAWING NUMBER
A200

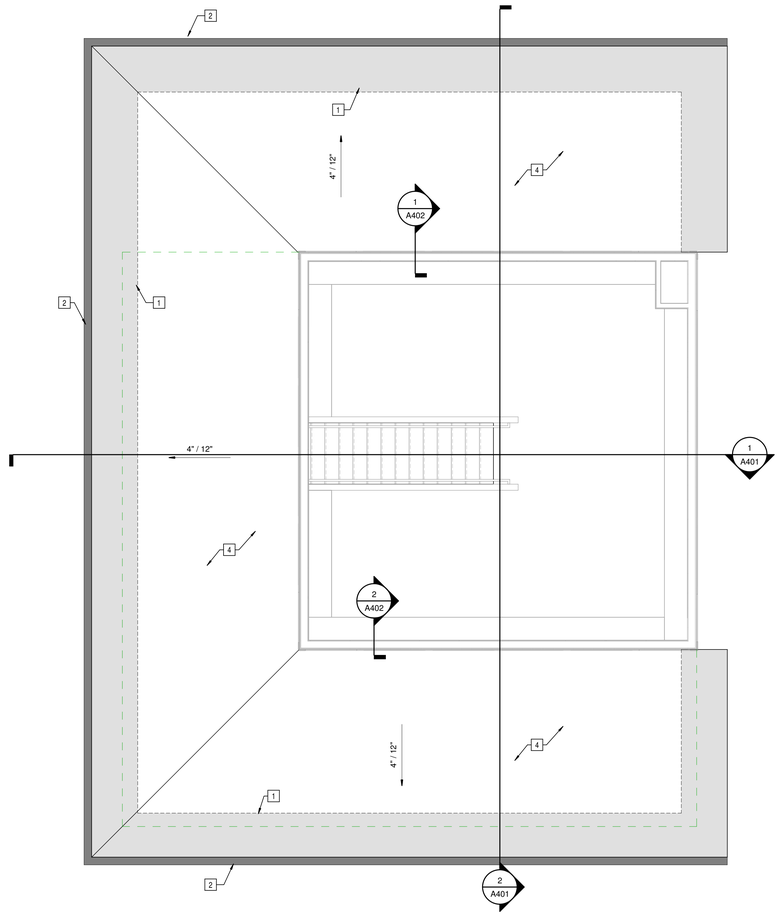
PROJECT NUMBER
19139



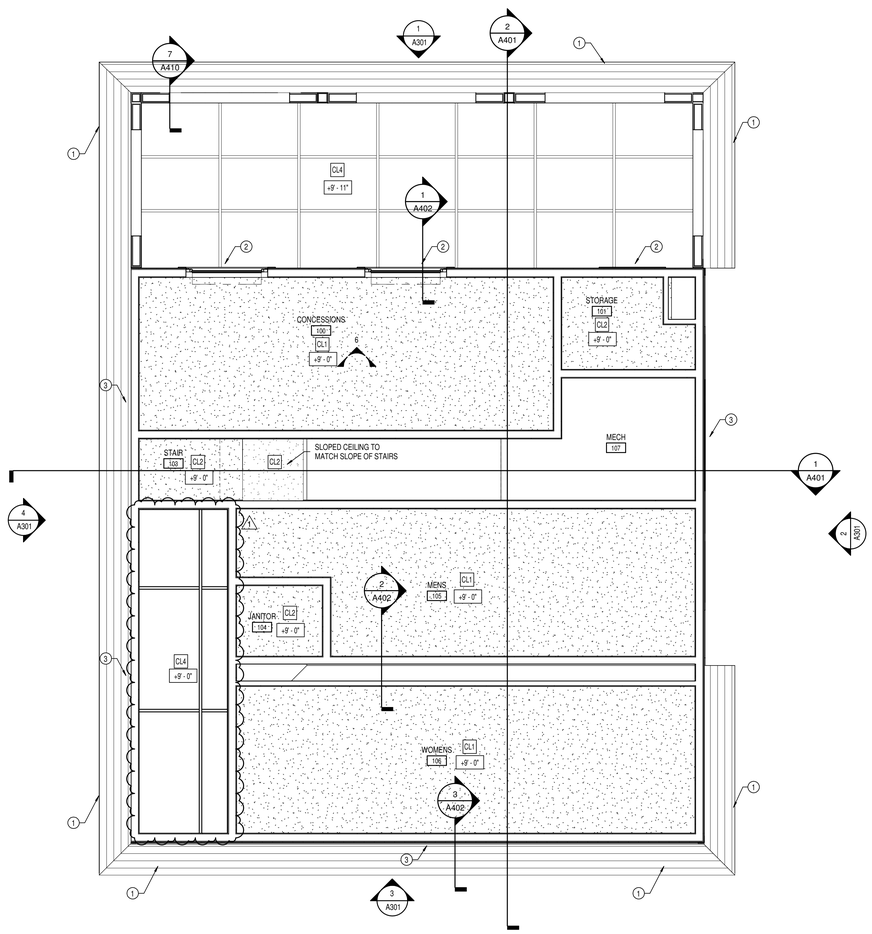
5 A210 UPPER ROOF LEVEL
SCALE: 1/4" = 1'-0"



2 A210 SECOND FLOOR RCP
SCALE: 1/4" = 1'-0"



4 A210 LOWER ROOF LEVEL
SCALE: 1/4" = 1'-0"



1 A210 GROUND FLOOR RCP
SCALE: 1/4" = 1'-0"

ROOF ABBREVIATIONS

DR	DUCT THRU ROOF
DS	METAL DOWNSPOUT
EF	EXHAUST FAN; SEE MECHANICAL
EJ	EXPANSION JOINT
FS	FLUE STACK; SEE MECHANICAL
GU	METAL GUTTER
PV	PLUMBING VENT
RAV	RELIEF AIR VENT; SEE MECHANICAL
RH	ROOF HATCH

GENERAL ROOF NOTES

1. ALL WORK SHALL BE IN ACCORDANCE WITH THE BEST QUALITY STANDARDS OF THE TRADE, AND SHALL CONFORM WITH THE LATEST EDITION OF ALL FEDERAL, STATE, AND LOCAL CODES AND STANDARDS. THE SAME ARE MADE A PART OF THESE CONTRACT DOCUMENTS, AS IF REPEATED HEREIN.
2. CONTRACT DOCUMENTS CONSIST OF BOTH THE PROJECT MANUAL AND DRAWINGS, AND BOTH ARE INTENDED TO BE COMPLEMENTARY. ANYTHING APPEARING ON EITHER MUST BE EXECUTED THE SAME AS IF SHOWN ON BOTH.
3. CONSTRUCTION DOCUMENTS SHALL BE FOLLOWED AS CLOSELY AS POSSIBLE, HOWEVER, SYSTEMS HAVE BEEN SHOWN DIAGRAMMATICALLY AND IN SOME CASES, ENLARGED FOR CLARITY. PROVIDE ADDITIONAL ITEMS AS REQUIRED TO PROVIDE A COMPLETE AND COORDINATED SYSTEM.
4. CONTRACTOR SHALL PROVIDE ANY AND ALL TEMPORARY UTILITY SERVICE REQUIRED TO CONSTRUCT THE WORK. CONTRACTOR MAY EXTEND SERVICES FROM EXISTING LOCATIONS TO WHERE THEY ARE REQUIRED. REMOVE TEMPORARY UTILITIES AND RELATED EXTENSIONS AS SOON AS PRACTICABLE. RESTORE ALL AFFECTED AREAS TO ORIGINAL CONDITION.
5. CONTRACTOR SHALL REMOVE CONSTRUCTION DEBRIS FROM THE BUILDING AND ROOF DAILY.
6. STORE VOLATILE OR FLAMMABLE LIQUIDS IN UL LISTED FIRE CABINETS.
7. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE SECURITY OF ALL STORED MATERIALS AND EQUIPMENT INSIDE OR OUTSIDE THE BUILDING.
8. CONTRACTOR SHALL FURNISH NECESSARY TEMPORARY PROTECTION FROM WEATHER TO PROTECT INTERIOR OF BUILDING FROM ELEMENTS OF WEATHER AT ALL TIMES.
9. CONTRACTOR RESPONSIBLE FOR TRAFFIC PROTECTION DURING CONSTRUCTION. AREAS OF WORK SUBJECTED TO TRAFFIC BY VARIOUS TRADES SHALL BE PROTECTED BY TEMPORARY WALK PADS.
10. PROVIDE TREATED WOOD BLOCKING EQUAL IN THICKNESS TO INSULATION SYSTEM AT ROOF PERIMETER AND AROUND ALL ROOF PENETRATIONS. ANCHOR PER SECTION I-49 OF THE FM GLOBAL LOSS PREVENTION GUIDE.
11. EXTEND ALL PLUMBING VENTS TO PROVIDE A MIN. OF 12" OF HEIGHT FROM TOP OF INSULATION. ALL FITTINGS TO BE AIR AND WATER TIGHT. SEE PLUMBING PLANS FOR LOCATIONS.
12. ROOF INSULATION SADDLES AND CRICKETS ARE DIAGRAMMATIC. ROOF INSULATION MANUFACTURER SHALL DESIGN AND SIZE THESE PER THE ROOF MEMBRANE MANUFACTURERS RECOMMENDATIONS. CRICKETS AND SADDLES SHOULD HAVE A MINIMUM OF TWO TIMES THE SLOPE OF THE PRIMARY TAPERED SYSTEM OR STRUCTURAL SLOPE. THE RATIO OF A CRICKET'S WIDTH TO LENGTH SHOULD BE NO LESS THAN 1 TO 3.
13. PROVIDE SADDLES/CRICKETS AROUND ALL NEW ROOF TOP EQUIPMENT. SEE MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR LOCATIONS OF ALL ROOF PENETRATIONS.
14. PROVIDE TAPERED INSULATION WHERE REQUIRED TO TRANSITION FROM ONE INSULATION HEIGHT TO ANOTHER.
15. NOTCH ALL INSULATION AS REQUIRED TO ACCOMMODATE SURFACE MOUNTED CONDUIT, FASTENERS, OFFSETS AND OTHER PROJECTIONS EXTENDING ABOVE THE SURFACE OF THE DECK.
16. PERIMETER EDGE METAL TO COMPLY WITH ANSI/SPRI ES-1 FM GLOBAL 1-49.
17. SEE MECHANICAL, ELECTRICAL AND PLUMBING (MEP) SHEETS FOR ROOF TOP EQUIPMENT.
18. INSPECT ALL WOOD BLOCKING SCHEDULED TO REMAIN. NOTIFY ARCHITECT OF ANY DETERIORATED BLOCKING NEEDING REPLACEMENT. CONTRACTOR TO REPLACE AND DAMAGED BLOCKING ON A TIME AND MATERIAL BASIS, SEE SPECIFICATIONS.
19. ALL ROOF DETAIL DRAWINGS CONTAINED IN THIS SET ARE DIAGRAMMATIC. ADJUST ROOF DETAILS BASED ON SPECIFIC ROOFING SYSTEM SELECTED ACCORDING TO MANUFACTURER'S WRITTEN SPECIFICATIONS AND APPROVED DETAIL DRAWINGS. ALL ASSEMBLY COMPLICATIONS SHOULD BE BROUGHT TO THE ATTENTION OF THE ARCHITECT.
20. THE ROOF CONTRACTOR SHALL PROTECT ALL ROOF DRAINS, GUTTERS AND DOWNSPOUTS FROM DEBRIS CREATED DURING CONSTRUCTION. THE ROOF CONTRACTOR SHALL CLEAR ALL DRAINS, GUTTERS AND DOWNSPOUTS PRIOR TO COMPLETION OF WORK AND TO ENSURE THAT THEY ARE FREE OF DEBRIS AND FUNCTIONING PROPERLY.
21. MECHANICAL, ELECTRICAL AND PLUMBING INFORMATION SHOWN ON THIS PLAN IS GENERAL IN NATURE. REFER TO P, M AND E DRAWINGS FOR FURTHER INFORMATION AND COORDINATE ALL REQUIRED ROOF OPENINGS OR ROOF MOUNTED EQUIPMENT.

1 ROOF PLAN NOTES

1 ICE MEMBRANE AND DRIP EDGE SHEET UNDERLAYMENT TO EXTEND +3'-0"
2 6" ALUMINUM MANUFACTURED GUTTER; PROFILE INDICATED IN DRAWINGS
3 BUILIDNG OUTLINE BELOW
4 ASPHALT SHINGLE ROOF SYSTEM

GENERAL REFLECTED CEILING PLAN NOTES

A. SEE THE ELECTRICAL DRAWINGS FOR SIZES, TYPES, AND QUANTITIES OF LIGHT FIXTURES, SPEAKERS, SMOKE DETECTORS, AND OTHER CEILING MOUNTED ELECTRICAL DEVICES.
B. SEE THE MECHANICAL DRAWINGS FOR SIZES, TYPES, AND QUANTITIES OF DIFFUSERS, GRILLES, AND OTHER MECHANICAL CEILING MOUNTED DEVICES.
C. PROVIDE, FIELD LOCATE AND INSTALL 16"x16" FLUSH ACCESS PANELS AT ALL MECHANICAL AND PLUMBING PIPING VALVE LOCATIONS ABOVE SUSPENDED GYPSUM BOARD CEILINGS. SEE THE MECHANICAL, AND PLUMBING DRAWINGS FOR LOCATIONS.
D. SEE THE STRUCTURAL DRAWINGS FOR MASONRY WALLS USED FOR SHEAR WALLS THAT ARE REQUIRED TO EXTEND TO DECK/STRUCTURE ABOVE. PROVIDE BRACING FOR ALL MASONRY WALLS NOT EXTENDING TO THE DECK/STRUCTURE AS DETAILED ON STRUCTURAL DRAWINGS.
E. METAL STUDS WALLS SHALL BE ATTACHED TO THE STRUCTURE ABOVE WITH SLIP CONNECTORS. STUD WALLS NOT EXTENDING TO THE STRUCTURE/DECK ABOVE SHALL RECEIVE DIAGONAL METAL STUD BRACING AT MAXIMUM 4'-0" O.C.
F. THE SUSPENDED ACOUSTICAL TILE CEILING GRID AS SHOWN ON THESE DRAWINGS IS REPRESENTATIONAL. THE CEILING GRID IS TO BROKEN AS REQUIRED AT LIGHT FIXTURES, PROJECTION SCREENS, ETC.
G. ALL EXISTING GYPSUM OR PLASTER CEILINGS AND BULKHEADS TO REMAIN ARE TO BE PAINTED P- CEILING BRIGHT WHITE UNLESS NOTED OTHERWISE (SEE ARID SERIES DRAWINGS)
H. SEE MECHANICAL, PLUMBING AND ELECTRICAL DOCUMENTS FOR ADDITIONAL CEILING WORK REQUIRED BY NEW MEP WORK.

REFLECTED CEILING LEGEND

- FLUORESCENT LIGHT FIXTURES, RECESSED OR SURFACED MOUNTED, SEE ELECTRICAL DRAWINGS
- DOWNLIGHT/HIGH BAY LIGHT FIXTURE; SEE ELECTRICAL DRAWINGS
- CEILING MOUNTED PROJECTOR, SEE TECHNOLOGY DRAWINGS
- RETURN/EXHAUST GRILL; SEE MECHANICAL DRAWINGS
- SUPPLY AIR GRILL; SEE MECHANICAL DRAWINGS
- LINEAR SLOT SUPPLY AIR GRILL; SEE MECHANICAL DRAWINGS
- CL1 5/8" GYPSUM BOARD CEILING ATTACHED TO BOTTOM OF STICK BUILT WOOD FRAMING. PAINT GYPSUM BOARD "CEILING BRIGHT WHITE" UNLESS NOTED OTHERWISE. PROVIDE MOLD AND MILDEW RESISTANT GYPSUM BOARD AT CONCESSIONS AND TOILET ROOMS
- CL2 5/8" GYPSUM BOARD CEILING ATTACHED TO BOTTOM OF STICK BUILT WOOD FRAMING - SEE SECTIONS FOR FRAMING DETAILS. PAINT GYPSUM BOARD "CEILING BRIGHT WHITE" UNLESS NOTED OTHERWISE.
- CL3 SUSPENDED ACOUSTICAL LAY-IN CEILING
  MFG: ARMSTRONG
  STYLE: SCHOOL ZONE #1713
  DESCRIPTION: SQUARE EDGE
  COLOR: WHITE SIZE: 24" x 24" x 3/4"
  LOCATION: PRESS BOX
- CL4 5/8" EXTERIOR GRADE PLYWOOD ATTACHED TO THE BOTTOM OF WOOD FRAMED TRUSS. PAINT PLYWOOD "CEILING BRIGHT WHITE" UNLESS NOTED OTHERWISE.
  LOCATION: CONCESSIONS CANOPY
- +0' - 0" CEILING ELEVATION MARK ABOVE FINISHED FLOOR (AT THAT LOCATION IF MULTIPLE FLOOR LEVELS ARE PRESENT)

1 REFLECTED CEILING PLAN...

1 HARDIE BOARD PANEL FASCIA AND SOFFIT
2 LIGHT FIXTURE MOUNTED AT +9'-0" A.F.F AT THIS LOCATION. LIGHT TO BE CENTERED ABOVE OPENING. SEE MEP FOR MORE DETAILS.
3 LIGHT FIXTURE MOUNTED AT +8'-6" A.F.F. AT THIS LOCATION. LIGHT TO BE CENTERED ABOVE OPENING. SEE MEP FOR MORE DETAILS.

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PROJECT:
MONON TRAIL
SOFTBALL COMPLEX IMPROVEMENTS
CONSTRCUTION DOCUMENTS
19400 TOMLINSON RD, WESTFIELD, IN 46074

SCOPE DRAWINGS:
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The Contractor shall furnish work scope indicated or described, the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:
1 ADDENDUM #1 05/25/2022

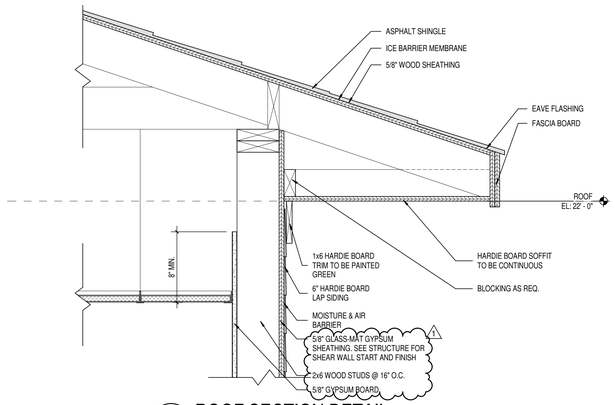
ISSUE DATE	DRAWN BY	CHECKED BY
04/18/2022	JNC	JDO

DRAWING TITLE:
REFLECTED CEILING & ROOF PLANS

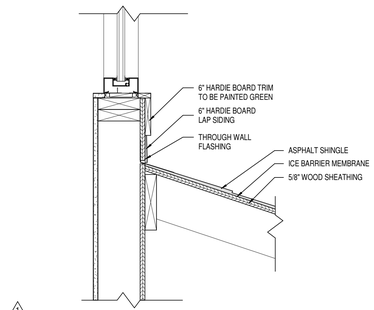
CERTIFIED BY:
JAMES DOBERT FLUM
REGISTERED
No. AR00900003
STATE OF INDIANA
ARCHITECT

DRAWING NUMBER
A210

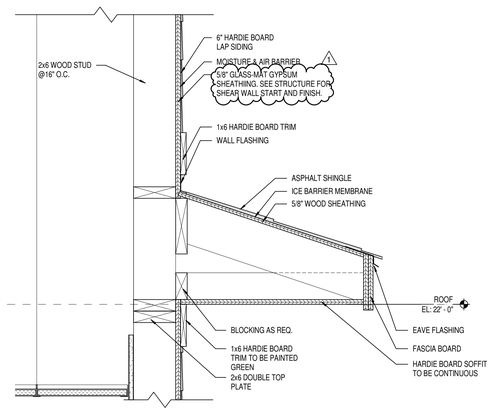
PROJECT NUMBER
19139



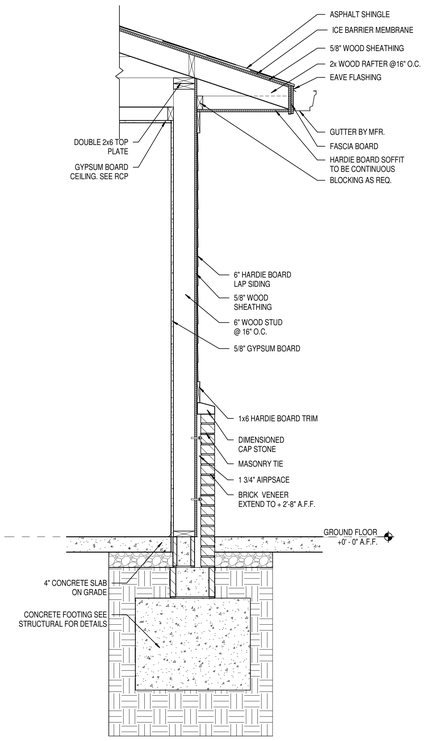
6 A402 ROOF SECTION DETAIL
SCALE: 1 1/2" = 1'-0"



5 A402 ROOF DETAIL/WINDOW SILL
SCALE: 1 1/2" = 1'-0"



4 A402 ROOF DETAIL AT DORMER
SCALE: 1 1/2" = 1'-0"



3 A402 EXTERIOR WALL SECTION
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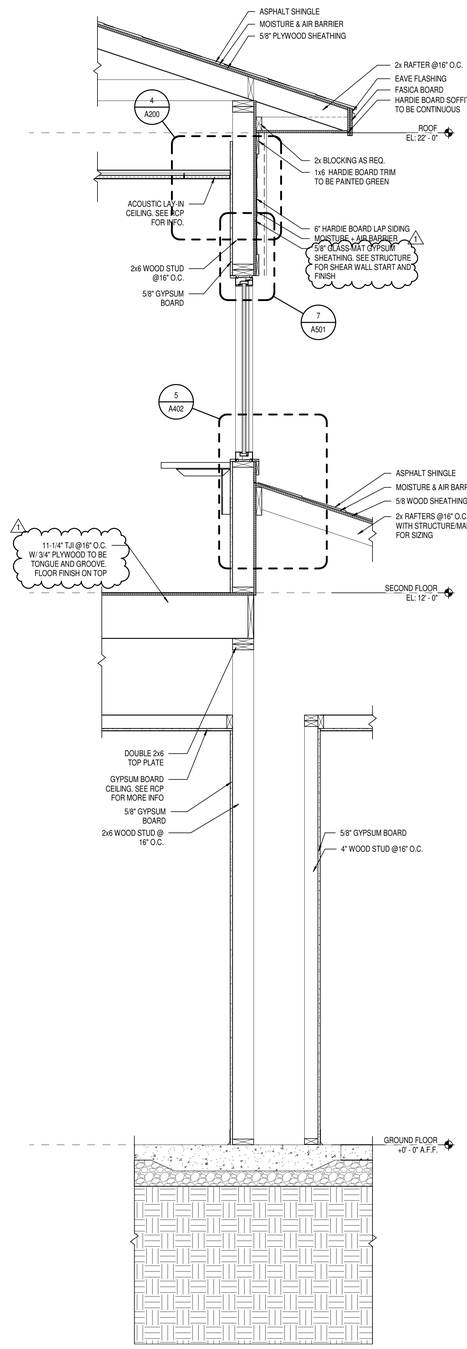

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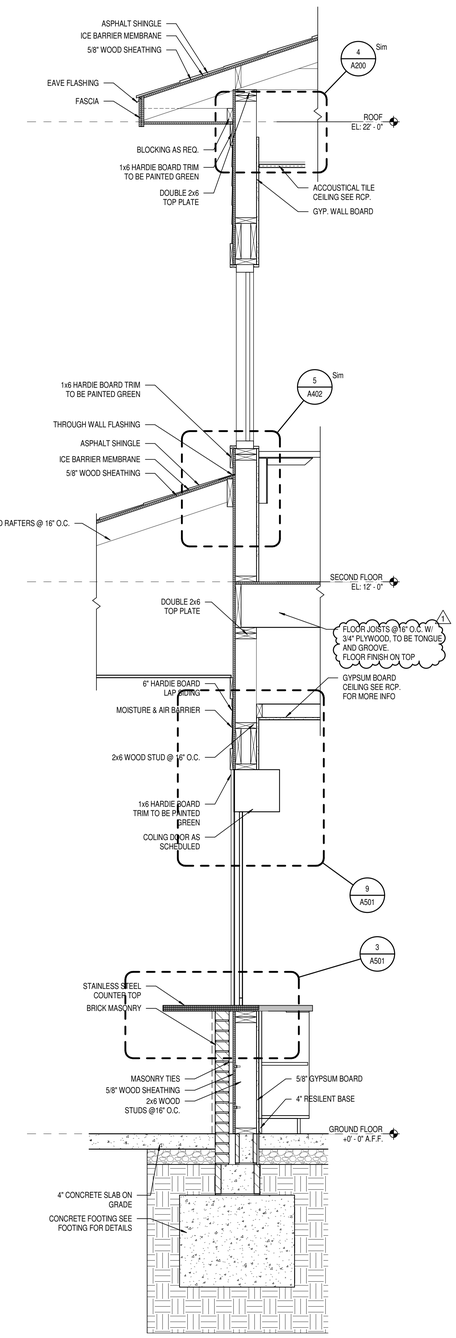

1 A402 EXTERIOR WALL SECTION
SCALE: 3/4" = 1'-0"

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REVISIONS:

1	ADDENDUM #1	05/25/2022

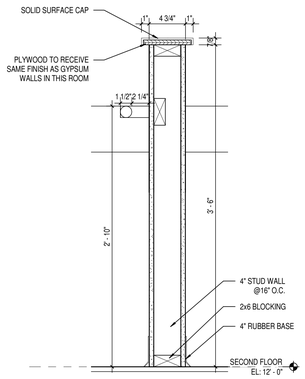
ISSUE DATE	DRAWN BY	CHECKED BY
04/18/2022	JNC	JDO

DRAWING TITLE:
WALL SECTIONS & DETAILS

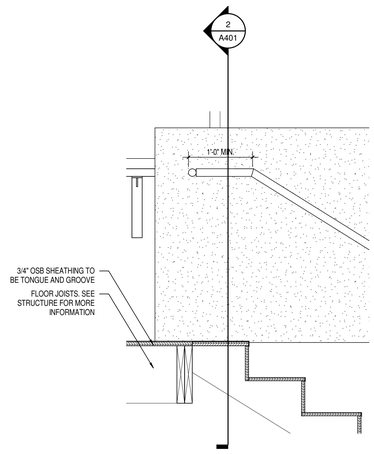
CERTIFIED BY:
JAMES SOBER FUNK
REGISTERED
No. AR00900003
STATE OF
INDIANA
ARCHITECT

DRAWING NUMBER
A402

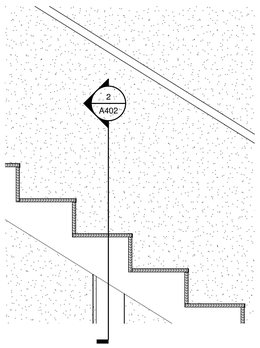
PROJECT NUMBER
19139



6 A404 HALF HEIGHT WALL DETAIL
SCALE: 1 1/2" = 1'-0"



1 5 A404 ENLARGED STAIR DETAIL
SCALE: 1" = 1'-0"



4 A404 ENLARGED STAIR DETAIL
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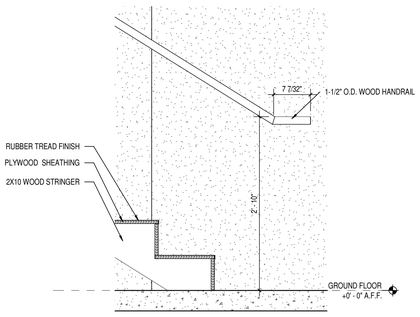

1 3 A404 ENLARGED STAIR DETAIL
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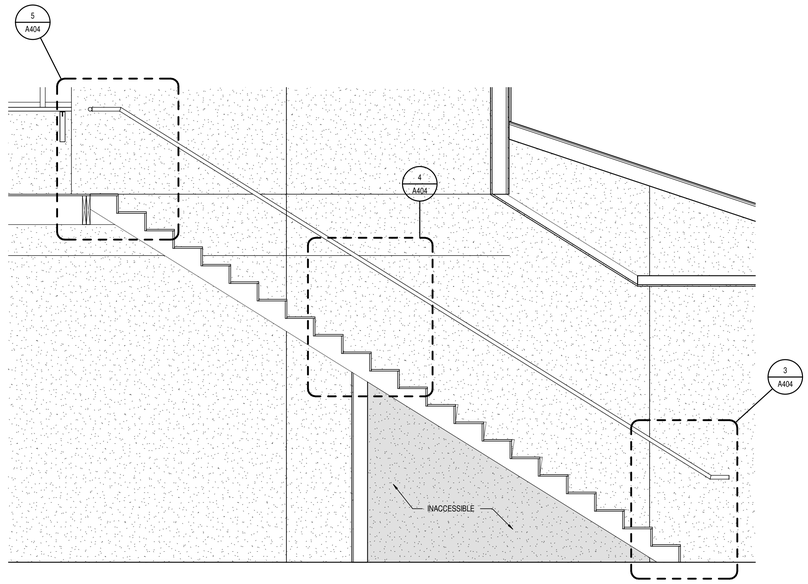

2 A404 ENLARGED STAIR SECTION
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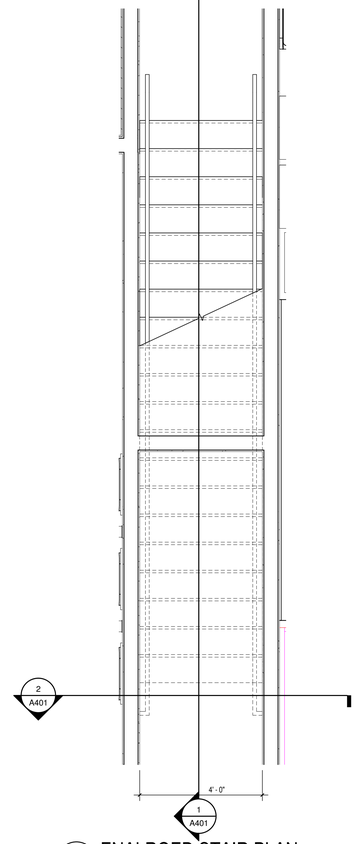

1 A404 ENALRGED STAIR PLAN
SCALE: 1/2" = 1'-0"

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PROJECT:
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SCOPE DRAWINGS:
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REVISIONS:

1	ADDENDUM #1	05/25/2022

ISSUE DATE	DRAWN BY	CHECKED BY
04/18/2022	JNC	JDO

DRAWING TITLE:
VERTICAL CIRCULATION

CERTIFIED BY:
JAMES ROBERT FUNK
REGISTERED
No. AR00900003
STATE OF INDIANA
ARCHITECT

DRAWING NUMBER
A404

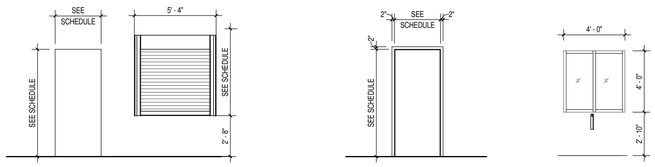
PROJECT NUMBER
19139

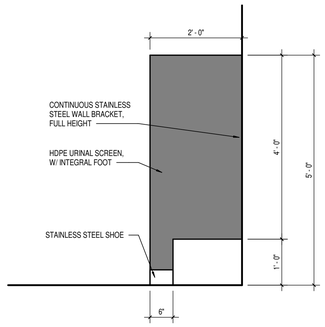
DOOR AND FRAME SCHEDULE

DOOR								FRAME									
	SIZE											DETAIL					
MARK	WIDTH	HEIGHT	THICKNESS	MATERIAL	FINISH	ELEVATION	GLASS	MATERIAL	FINISH	ELEVATION	GLASS	HEAD	JAMB	SILL	UL RATING	STC RATING	REMARKS
100-1	SGL 3' - 0"	7' - 0"	1 3/4"	GHM(1)	PT	D1	-	GHM(1)	PT	F1	-	8/A501	5/A501	2/A501	-	-	-
100-2	OCD	4' - 0"	2"	SS	SS	D2	-	SS	SS	D5	-	9/A501	6/A501	3/A501			-
100-3	OCD	4' - 0"	2"	SS	SS	D2	-	SS	SS	D5	-	9/A501	6/A501	3/A501			-
101	SGL 3' - 0"	7' - 0"	1 3/4"	GHM(1)	PT	D1	-	GHM(1)	PT	F1	-	8/A501	5/A501	2/A501	-	-	-
103	SGL 3' - 0"	7' - 0"	1 3/4"	GHM(1)	PT	D1	-	GHM(1)	PT	F1	-	8/A501	5/A501	2/A501	-	-	-
104	SGL 3' - 0"	7' - 0"	1 3/4"	GHM(1)	PT	D1	-	GHM(1)	PT	F1	-	8/A501	5/A501	2/A501	-	-	-
105	SGL 3' - 0"	7' - 0"	1 3/4"	GHM	PT	D1	-	GHM	PT	F1	-	8/A501	5/A501	2/A501	-	-	-
106	SGL 3' - 0"	7' - 0"	1 3/4"	GHM	PT	D1	-	GHM	PT	F1	-	8/A501	5/A501	2/A501	-	-	-
107	PAIR 3' - 0"	7' - 0"	1 3/4"	GHM(1)	PT	D1	-	GHM(1)	PT	F1	-	8/A501	5/A501	2/A501	-	-	-

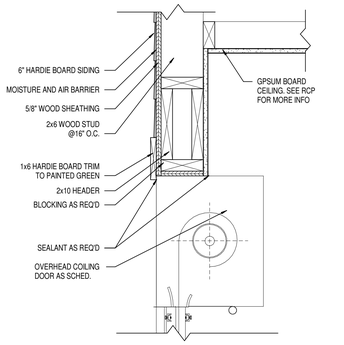
TOILET ACCESSORY SCHEDULE

TYPE MARK	DESCRIPTION	SPEC SECTION	MANUFACTURER	MODEL NO.	REMARKS	FURNISHED BY	INSTALLED BY
T1	Grab Bar - 36"		Bobrick	B-5806X36	MOUNT @ 34" A.F.F.		CONTRACTOR
T2	Grab Bar - 42"		Bobrick	B-5806X42	MOUNT @ 40" A.F.F. MOUNTED VERTICALLY	CONTRACTOR	CONTRACTOR
T3	Grab Bar - 18"		Bobrick	B-5806X18	MOUNT @ 34" A.F.F.		CONTRACTOR
T4	TOILET TISSUE DISPENSER -SURFACE MOUNTED		BY OWNER	-	MOUNT AS REQUIRED FOR ADA. COORDINATE LOCATION WITH GRAB BARS.	OWNER	CONTRACTOR
T5	SANITARY NAPKIN DISPOSAL - SURFACE MOUNTED	10 28 13	BOBRICK	-	-	CONTRACTOR	CONTRACTOR
T6	SOAP DISPENSER - SURFACE MOUNTED		BY OWNER	-	6" ABOVE LAVATORY/COUNTER	OWNER	CONTRACTOR
T7	MIRROR 24" x 36"	10 28 00	BOBRICK	B-290	BOTTOM @ 40" A.F.F.	CONTRACTOR	CONTRACTOR
T8	TOILET PARTITION		SEE SPEC #10 21 13				
T10	URINAL SCREEN		SEE SPEC #10 21 13	-	-	CONTRACTOR	CONTRACTOR

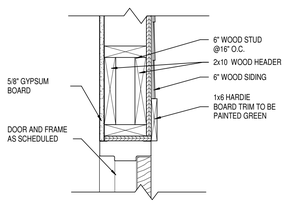




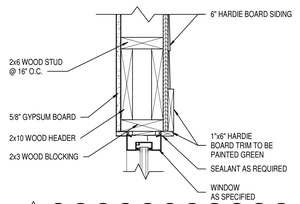
11 A501 URINAL SCREEN
SCALE: 3/4" = 1'-0"



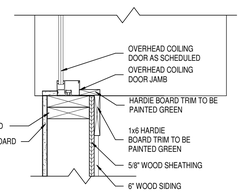
9 A501 CONCESSION HEAD DETAIL
SCALE: 1 1/2" = 1'-0"



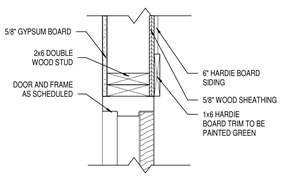
8 A501 DOOR HEAD DETAIL
SCALE: 1 1/2" = 1'-0"



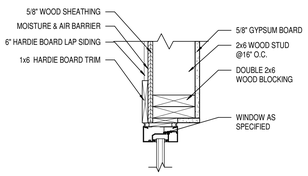
7 A501 WINDOW HEAD DETAIL
SCALE: 1 1/2" = 1'-0"



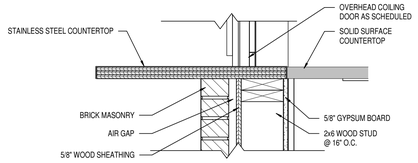
6 A501 CONCESSION JAMB DETAIL
SCALE: 1 1/2" = 1'-0"



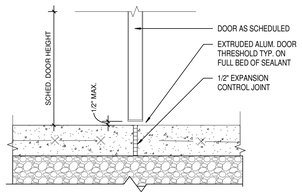
5 A501 DOOR JAMB DETAIL
SCALE: 1 1/2" = 1'-0"



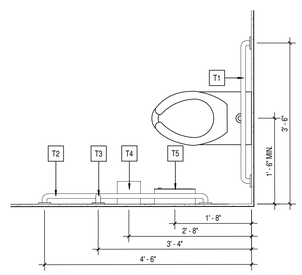
4 A501 WINDOW JAMB DETAIL
SCALE: 1 1/2" = 1'-0"



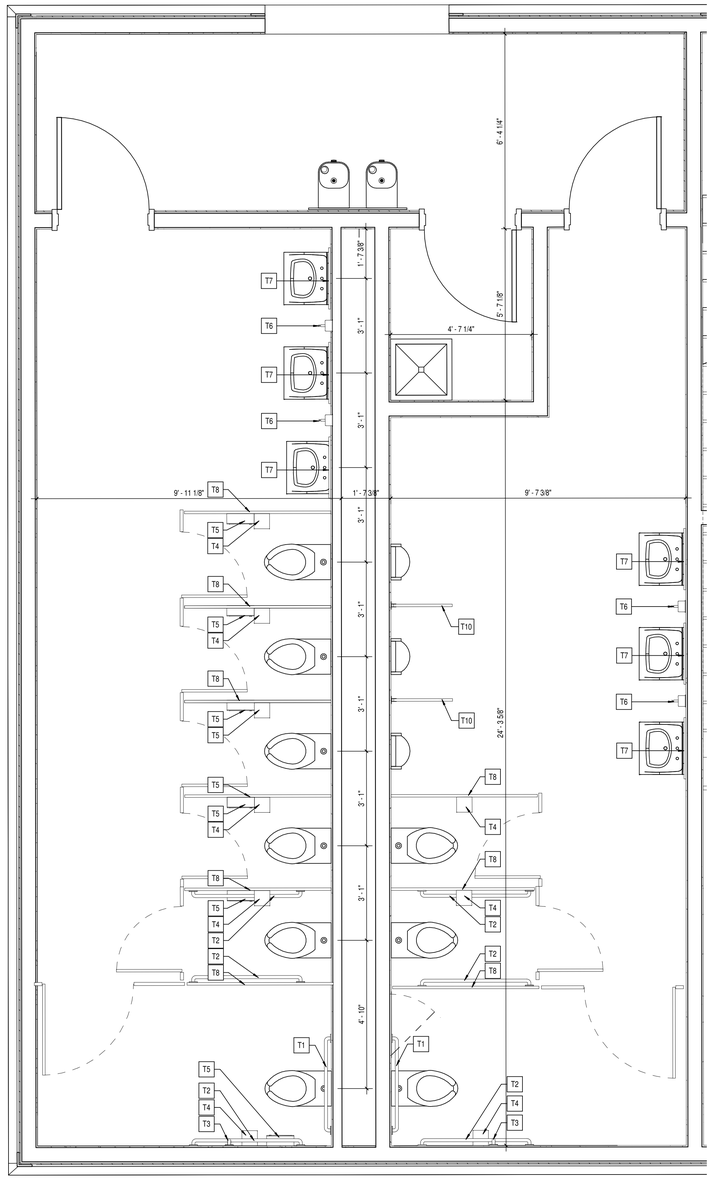
3 A501 CONCESSION SILL DETAIL
SCALE: 1 1/2" = 1'-0"



2 A501 DOOR SILL DETAIL
SCALE: 1 1/2" = 1'-0"



TYPICAL ACCESSORY LAYOUT
SCALE: 3/4" = 1' - 0"



1 A501 ENLARGED RESTROOM PLAN
SCALE: 1/2" = 1'-0"

ABBREVIATIONS LEGEND

AL = ALUMINUM
AN = ANODIZED
BL = BORROWED LITE
GHM = GALVANNEALED HOLLOW METAL
GL = GLASS
HM = HOLLOW METAL
PT = PAINT
ST = STAIN
SS = STAINLESS STEEL
STL = STEEL
WD = WOOD
90M = 90 MINUTE ASSEMBLY RATING
' = SEE REMARKS COLUMN FOR NOTES

GENERAL DOOR NOTES

A. THESE GENERAL NOTES APPLY TO THE DOOR SCHEDULE.
B. DOOR AND FRAME NUMBERS CORRESPOND TO RESPECTIVE ROOM NUMBER. IN ROOMS WITH MULTIPLE OPENINGS, A NUMERICAL SUFFIX HAS BEEN ADDED TO DOOR NUMBERS.
C. VERTICAL FRAMING MEMBERS AT ALL DOOR FRAMES SHALL EXTEND TO STRUCTURE ABOVE.
D. UNDERCUT ALL DOORS AS REQUIRED BY FINAL FINISH.
E. PROVIDE CONTINUOUS SEALANT BETWEEN HOLLOW METAL FRAME PERIMETERS AND SURROUNDING WALL CONSTRUCTION.
F. PROVIDE CONTINUOUS SEALANT BETWEEN INTERIOR AND EXTERIOR WINDOW, CURTAINWALL AND STOREFRONT FRAME PERIMETERS AND SURROUNDING CONSTRUCTION UNLESS NOTED OTHERWISE.
G. GROUT FULL HOLLOW METAL FRAMES IN MASONRY CONSTRUCTION.
H. SPOT GROUT HOLLOW METAL FRAMES IN GYPSUM WALLS.
I. WHERE A FIRE RATING IS INDICATED ON THE DOOR SCHEDULE, HARDWARE AND DOOR ASSEMBLY COMPONENTS SHALL MEET THE REQUIREMENTS OF THAT LABEL.
J. WHERE AN STC RATING IS INDICATED ON THE DOOR SCHEDULE, HARDWARE AND DOOR ASSEMBLY COMPONENTS SHALL MEET THE REQUIREMENTS OF THAT LABEL.
K. INSTALL DOOR GLASS USING WET GLAZING METHOD.
L. ALL LINTELS ABOVE EXTERIOR OPENINGS SHALL BE GALVANIZED.
M. REFER TO SHEETS AXXX & AXXX FOR ADDITIONAL DOOR, FRAME AND BORROWED LITE ELEVATIONS.
N. COORDINATE THROAT OPENINGS WITH WALL WIDTH FOR ALL WRAP AROUND FRAMES.
O. SCHEDULED HARDWARE FOR ALUMINUM DOORS SHALL BE PROVIDED BY HARDWARE SUPPLIER AND INSTALLED BY ALUMINUM SUPPLIER. ALUMINUM DOORS TO BE PREPARED BY ALUMINUM DOOR SUPPLIER IN ACCORDANCE WITH THE SCHEDULED HARDWARE.
P. ALL NEW HOLLOW METAL DOORS, FRAMES AND BORROWED LITE FRAMES TO BE PAINTED AS INDICATED ON THE A800 SERIES FINISH PLANS. SEE FINISH PLANS FOR WOOD DOOR FINISHES.
Q. PROVIDE SILENCERS ON ALL DOOR FRAMES.
R. SEE STRUCTURAL DRAWINGS FOR REQUIREMENTS FOR MASONRY AND STEEL LINTELS. PROVIDE STRUCTURAL STEEL LINTELS AT OPENINGS OPENINGS WHERE INDICATED ON THE STRUCTURAL STEEL DRAWINGS IN LIEU OF MASONRY LINTEL AS SHOWN IN THESE DETAILS.
S. VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS IN THE FIELD PRIOR TO FABRICATION OF DOORS AND FRAMES. BRING DISCREPANCIES TO THE ATTENTION OF THE ARCHITECT.

DOOR NOTES

1. ALL DOOR HARDWARE AS SPECIFIED IN SECTION 08 71 00.

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PROJECT:
MONON TRAIL
SOFTBALL COMPLEX IMPROVEMENTS
CONSTRUCTION DOCUMENTS
19400 TOMLINSON RD, WESTFIELD, IN 46074

SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, and the architectural character of the type of structural, mechanical and electrical systems.
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The Trade Contractor shall furnish all items required for the proper execution and completion of the work.

REVISIONS:
1 ADDENDUM #1 05/25/2022

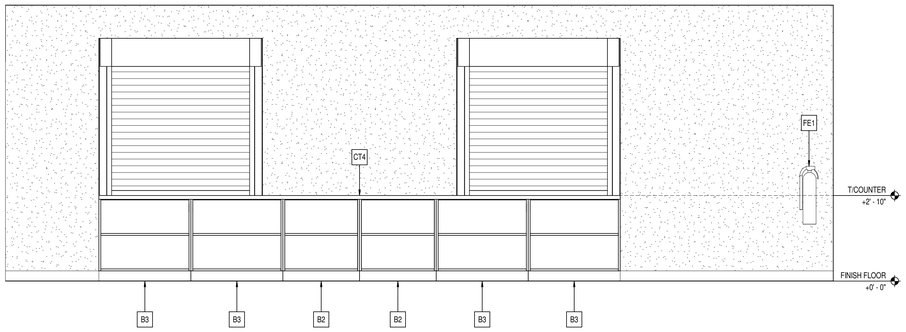
ISSUE DATE	DRAWN BY	CHECKED BY
04/18/2022	JNC	JDO

DRAWING TITLE:
SCHEDULES & DETAILS

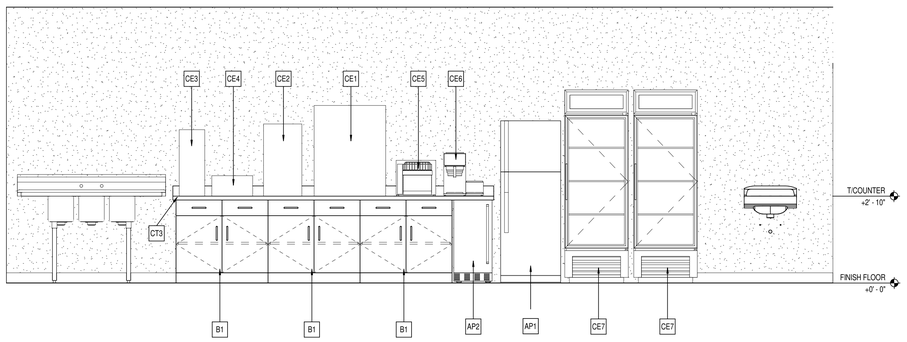
CERTIFIED BY:
JAMES ROBERT FINK
REGISTERED
No. AR00900003
STATE OF INDIANA
ARCHITECT

DRAWING NUMBER
A501

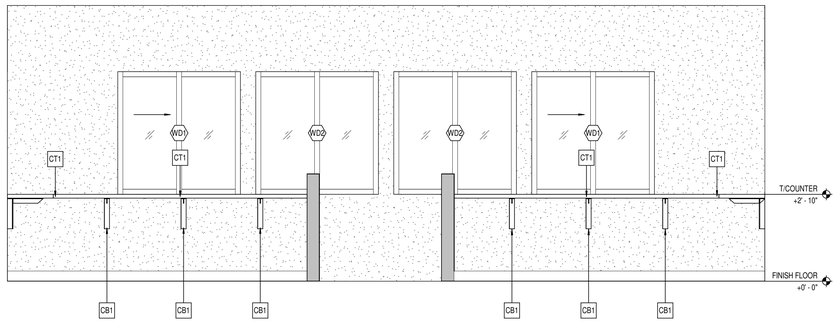
PROJECT NUMBER
19139



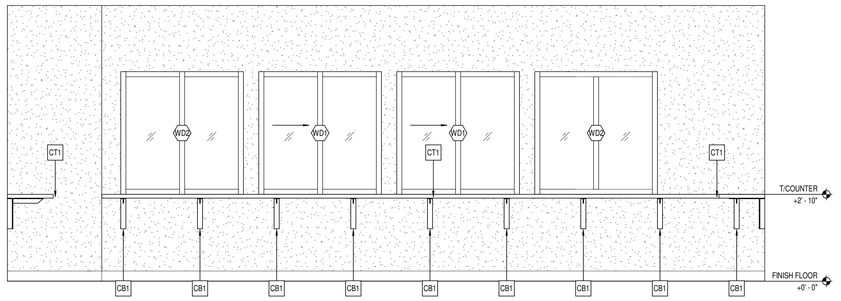
6 A601 CONCESSIONS ELEVATION
SCALE: 1/2" = 1'-0"



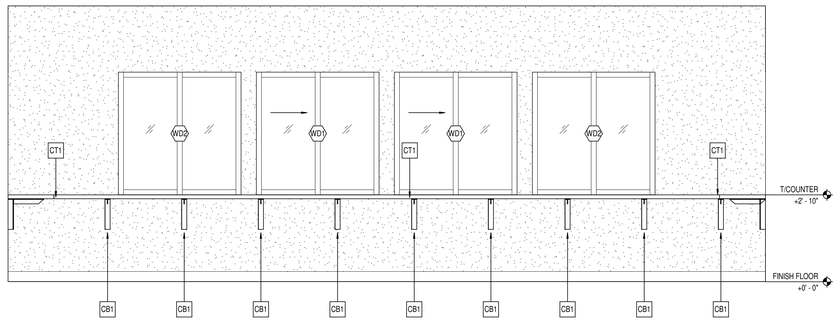
5 A601 CONCESSIONS ELEVATION
SCALE: 1/2" = 1'-0"



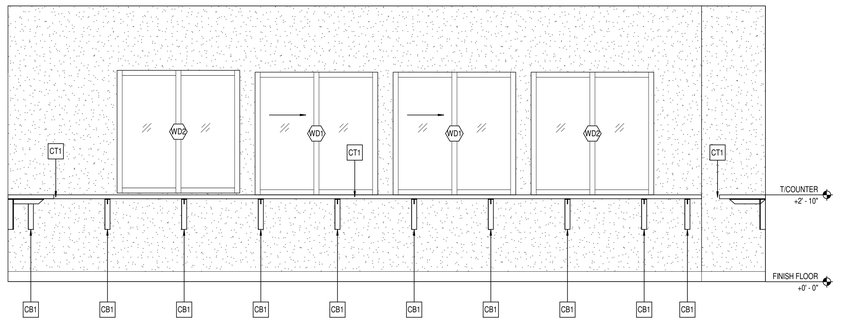
1 4 A601 PRESS BOX - SOUTHEAST ELEVATION
SCALE: 1/2" = 1'-0"



1 3 A601 PRESS BOX - NORTHWEST ELEVATION
SCALE: 1/2" = 1'-0"



1 2 A601 PRESS BOX - SOUTHWEST ELEVATION
SCALE: 1/2" = 1'-0"



1 1 A601 PRESS BOX - NORTHEAST ELEVATION
SCALE: 1/2" = 1'-0"

CASEWORK SCHEDULE - MASTER

Type Mark	Description	Spec. Section	Manufacturer	Model	Size	Type Comments
B1	Base Casework	12 32 16	Stevens Industries	10432		
B2	Base Casework	12 32 16	Stevens Industries	10101	30"W x 32"H x 14"D	-
B3	Base Casework	12 32 16	Stevens Industries	10101		-
CB1	Counter Top Support Bracket	12 32 16	Rangine Corp. - Rakks	EH-1818		-
CT1	Solid Surface Counter Top/No Splash	12 32 16	SEE SPECS		SEE SPECS.	
CT2	Stainless Steel Countertop on 2 pieces of 5/8" plywood	12 32 16	SEE SPECS	-	SEE SPECS.	Concessions Coiling Door
CT3	Solid Surface Counter Top w/ 4" Backsplash	12 32 16	SEE SPECS	-	SEE SPECS.	Concessions Room
CT4	Solid Surface Counter Top/No Splash	12 32 16	SEE SPECS	-	SEE SPECS.	Concessions Room

SPECIALTY EQUIPMENT SCHEDULE

Type Mark	Description	Spec. Section	Manufacturer	Model	Size	Furnished By	Installed By	Type Comments
	24" x 24" ACCESS DOOR AND FRAME					CONTRACTOR	CONTRACTOR	
AP1	REFRIGERATOR WITH ICE MAKER		T.B.D.	T.B.D.		OWNER	OWNER	
AP2	ADA HEIGHT UNDERCOUNTER ICE MAKER		SUMMIT	BIM44GADA		OWNER	OWNER	
CE1	POPCORN MACHINE	-	-	-	-	OWNER	OWNER	
CE2	HEATED PRETZEL DISPLAY		STAR	HFD-1-P	15"W x 15"D x 28.25"H	OWNER	OWNER	
CE3	CHEESE SAUCE DISPENSER		CARNIVAL KING	CD225	10"W x 16"D x 26"H	OWNER	OWNER	
CE4	HOT DOG ROLLER GRILL		BENCHMARK USA	62010	16"W x 13"D x 8"H	OWNER	OWNER	
CE5	CONVEYOR TOASTER - COUNTERTOP MODEL					OWNER	OWNER	
CE6	COFFEE BREWER					OWNER	OWNER	
CE7	BEVERAGE COOLER - SINGLE DOOR		-			OWNER	OWNER	
FE1	WALL BRACKET MOUNTED FIRE EXTINGUISHER		Cosmic 10E	JL Industries		CONTRACTOR	CONTRACTOR	

1

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PROJECT:
MONON TRAIL
SOFTBALL COMPLEX IMPROVEMENTS
CONSTRUCTION DOCUMENTS
19400 TOMLINSON RD, WESTFIELD, IN 46074

SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, and the general requirements of and the type of structural, mechanical and electrical systems.
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Where the Contract Documents call for work indicated or described, the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:
1 ADDENDUM #1 05/25/2022

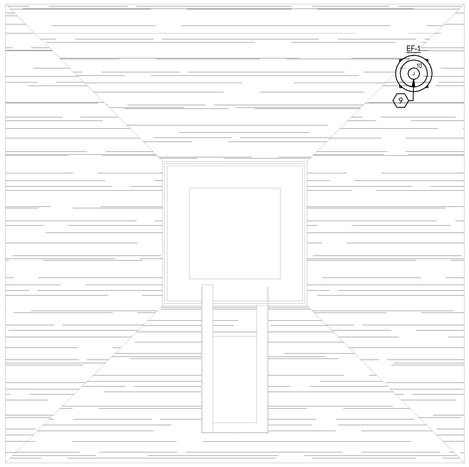
ISSUE DATE	DRAWN BY	CHECKED BY
04/18/2022	JNC	JDO

DRAWING TITLE:
CASEWORK/ INTERIOR ELEVATIONS

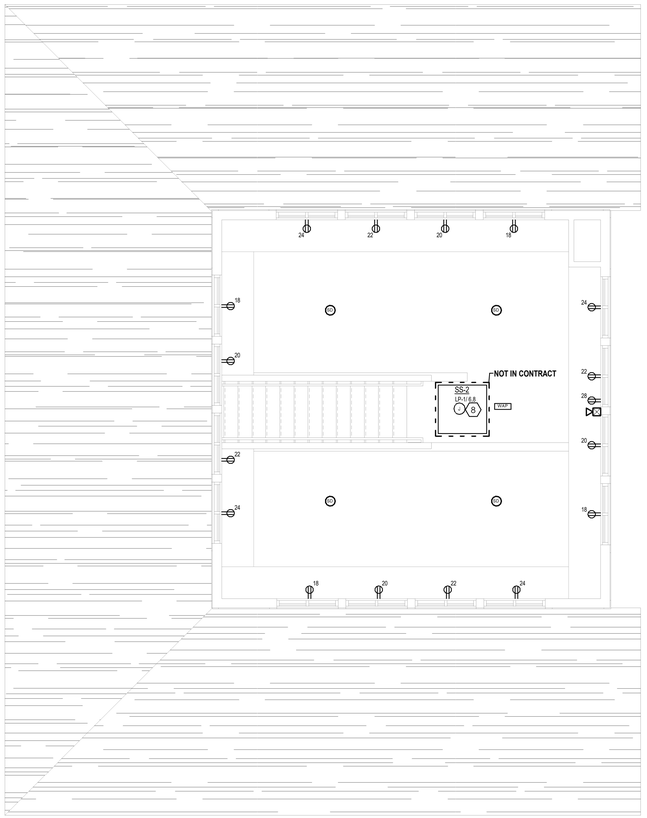
CERTIFIED BY:
JAMES ROBERT FUNK
REGISTERED
No. AR00900003
STATE OF INDIANA
ARCHITECT

DRAWING NUMBER
A601

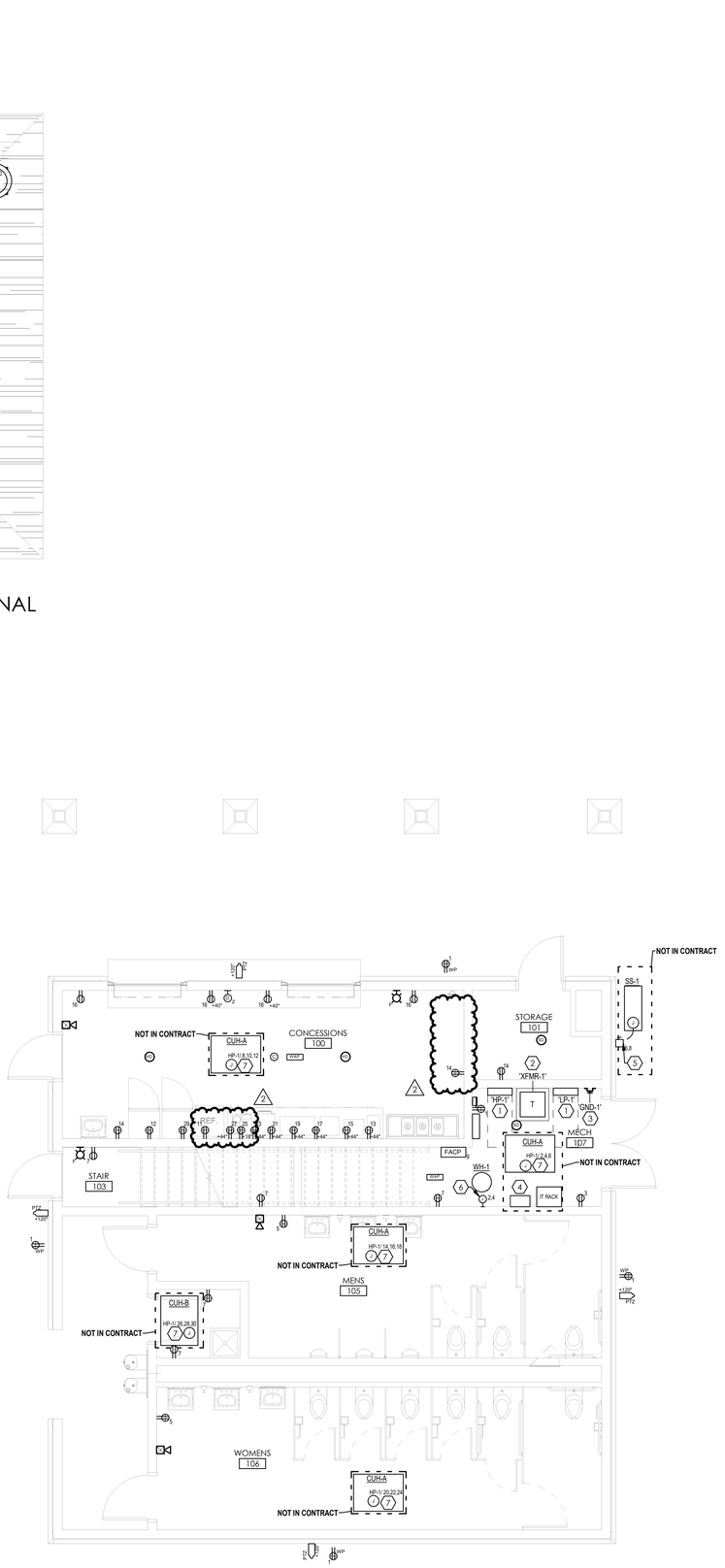
PROJECT NUMBER
19139



3 ROOF LEVEL - POWER & SIGNAL
SCALE: NO SCALE
NORTH



2 SECOND FLOOR - POWER & SIGNAL
SCALE: 1/4" = 1'-0"
0 1 2 4
NORTH



1 FIRST FLOOR - POWER & SIGNAL
SCALE: 1/4" = 1'-0"
0 1 2 4
NORTH

GENERAL NOTES:

G1 REFER TO E000 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.
G2 REFER TO E601 FOR PANEL SCHEDULES.
G3 REFER TO E701 FOR ONE-LINE DIAGRAM.
G4 TELECOMMUNICATIONS, AV, AND CCTV DEVICES SHALL BE PROVIDED AT A LATER DATE AND ARE NOT IN CONTRACT. DEVICES ARE SHOWN FOR REFERENCE.
G5 ALL DEVICES ARE FED FROM PANEL 'LP-1' UNLESS OTHERWISE NOTED.

KEYED NOTES:

1 PROVIDE INDICATED PANEL. REFER TO E701 AND E601 FOR FURTHER INFORMATION.
2 PROVIDE TRANSFORMER ON HOUSEKEEPING PAD. REFER TO E701 FOR FURTHER INFORMATION.
3 PROVIDE GROUND BUS BAR. REFER TO E701 FOR GROUNDING DETAILS.
4 PROVIDE LC SINGLE-MODE PATCH PANEL FOR IT RACK. PROVIDE 4" CONDUIT AND FIBER FROM TELECOMMUNICATIONS' BUILDING ENTRANCE.
5 PROVIDE 208V, 2P, 60A, NEMA 3R NONFUSED DISCONNECT. PROVIDE WITH (2) #10 AND (1) #10 GND IN 3/4" CONDUIT FROM INDICATED CIRCUIT FOR SS-1. COORDINATE WITH MECHANICAL FOR FINAL INSTALLATION LOCATION.
6 PROVIDE (2) #8 AND (1) #10 GND IN 3/4" CONDUIT FROM INDICATED CIRCUIT FOR WH-1. COORDINATE WITH MECHANICAL FOR FINAL INSTALLATION.
7 PROVIDE (3) #12 AND (1) #12 GND IN 3/4" CONDUIT FROM INDICATED CIRCUIT FOR CUH. DISCONNECT BY OTHERS. COORDINATE WITH MECHANICAL FOR FINAL INSTALLATION LOCATION.
8 PROVIDE (2) #10 AND (1) #10 GND IN 3/4" CONDUIT FROM INDICATED CIRCUIT FOR SS-2. SS-2 IS FED FROM OUTDOOR UNIT. COORDINATE WITH MECHANICAL FOR FINAL INSTALLATION.
9 PROVIDE (2) #12 AND (1) #12 GND IN 3/4" CONDUIT FROM INDICATED CIRCUIT FOR EF-1. DISCONNECT BY OTHERS. COORDINATE WITH MECHANICAL FOR FINAL INSTALLATION LOCATION.

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INDIANAPOLIS, INDIANA 46225
317.631.9241
5974 SIX FORKS ROAD, SUITE B
RALEIGH, NORTH CAROLINA 27609
919.703.4028

PROJECT:
MONON TRAIL
ELEMENTARY SCHOOL
SOFTBALL CONCESSIONS
19400 TOMLINSON RD, WESTFIELD, IN 46074

SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, the major architectural elements and the type of construction and materials to be employed.
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REVISIONS:

1	ISSUED FOR CONSTRUCTION	04.15.22
2	ADDENDUM #1	05.25.22

ISSUE DATE	DRAWN BY	CHECKED BY
08/26/21	JPG	WDJ

DRAWING TITLE:
GROUND, SECOND FLOOR & ROOF POWER & SIGNAL PLAN

CERTIFIED BY:
I HEREBY CERTIFY THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF INDIANA
No. 10505670
STATE OF

DRAWING NUMBER
E201

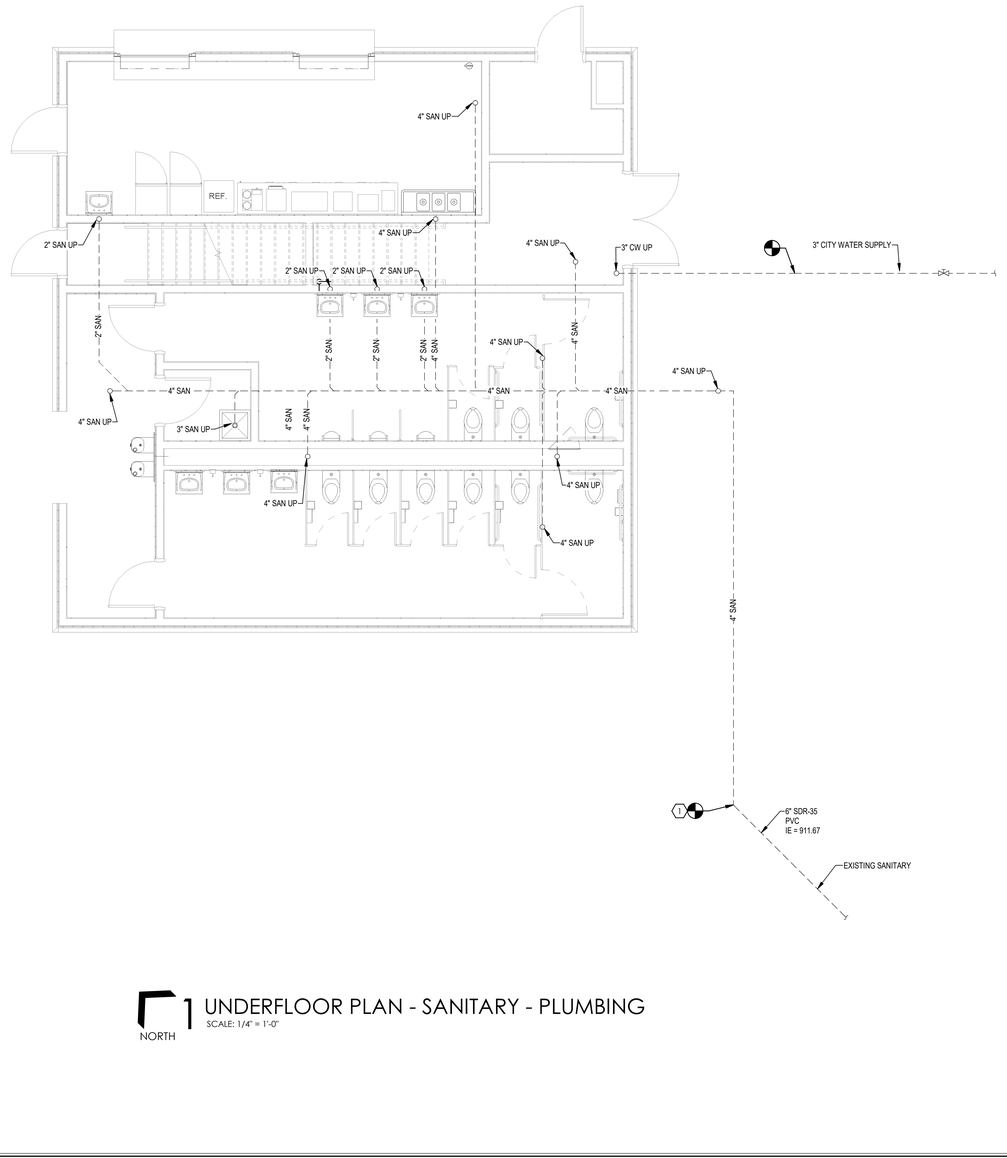
PROJECT NUMBER
19139

GENERAL NOTES:

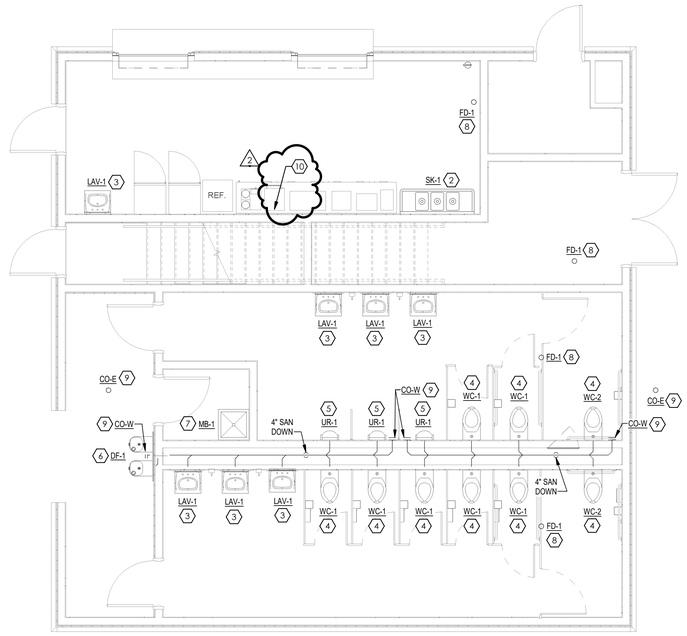
G1 SLOPE PIPING TOWARDS SANITARY MAINS.

KEYED NOTES:

1 CONNECT TO 6" SDR PIPE. REFER TO CIVIL DRAWINGS FOR CONTINUATION.
2 4" SAN DOWN FROM UTILITY SINK.
3 2" SAN DOWN FROM LAVATORIES.
4 4" SAN DOWN FROM WATER CLOSETS.
5 2" SAN DOWN FROM URINALS.
6 2" SAN DOWN FROM DRINKING FOUNTAINS.
7 3" SAN DOWN FROM MOP BASIN.
8 4" SAN DOWN FROM FLOOR DRAIN.
9 4" SAN DOWN FROM CLEANOUT.
10 PROVIDE DRAINAGE FROM ICE MAKER PER MANUFACTURER'S REQUIREMENTS. CONNECT TO NEAREST DRAIN WITH AIR GAP FITTING.



1 UNDERFLOOR PLAN - SANITARY - PLUMBING
NORTH
SCALE: 1/4" = 1'-0"



2 GROUND LEVEL FLOOR PLAN - SANITARY - PLUMBING
NORTH
SCALE: 1/4" = 1'-0"

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RALEIGH, NORTH CAROLINA 27609
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PROJECT:
MONON TRAIL
ELEMENTARY SCHOOL
SOFTBALL CONCESSIONS
19400 TOMLINSON RD, WESTFIELD, IN 46074

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REVISIONS:

1	ISSUED FOR CONSTRUCTION	04/15/22
2	ADDENDUM #1	05/25/22

ISSUE DATE	DRAWN BY	CHECKED BY
08/26/21	DDR	GMS

DRAWING TITLE:
UNDERFLOOR & GROUND LEVEL FLOOR PLANS - PLUMBING

CERTIFIED BY:
GREGORY M. STEPHAN REGISTERED No. PE19700036 STATE OF INDIANA PROFESSIONAL ENGINEER

DRAWING NUMBER
P100

PROJECT NUMBER
19139