



## Addendum 2

May 30, 2025

### Fort Wayne Airport Ardmore Development

**Item:** 1.1

Description: Section 00 41 00 – Basis of Bid/Bid Item Schedule excel file

- A. Eastern Engineering Plan Room should have the excel sheet for the Basis of Bid calculations available in the description section. If it does not appear in there, please reach out to Ken Dunn (ERI) at [ken@eri.consulting](mailto:ken@eri.consulting) and he will provide it.
- B. Revise highlighted quantities on Basis of Bid Item Schedule.

**Item:** 1.2

Description: Revisions to demolition plan based on City Review Comments

Sheet C1.0:

- A. Modify tree/brush removal limits as necessary for revised grades.

**Item:** 1.2

Description: Revisions to grading plan based on City Review Comments

Sheet C3.0:

- B. Modify swale in south-west area of the site to direct drainage to Ardmore Avenue R.O.W. ditch.
- C. Modify swale in north-east area of the site to direct drainage to revised storm sewer, ST-700.
- D. Drainage arrows added to Airport Expressway R.O.W. for clarification.

**Item:** 1.3

Description: Revisions to utilities based on City Review Comments

Sheet C4.0:

- A. Revise storm sewer along Airport Expressway, from existing manhole to ST-700.
- B. Water service lines may be C900 PVC in lieu of HDPE. All 12" main line to remain HDPE.
- C. Add drop connection at existing sanitary manhole.
- D. Three service lines shifted location slightly.
- E. Storm sewer pipe types clarified to be RCP in any areas that have less than 3' of cover.
- F. Add two 12" insertion valves on existing water main to allow for relocation.

**Item:** 1.4

Description: Revisions to erosion control plans based on State Review Comments

Sheet C5.0:

- A. Expand construction entrance to concrete washout.
- B. Add temporary construction entrance to the south at existing field entrance.
- C. Add staging and laydown areas.
- D. Reduce the size of the temporary soil stockpile area along with the stockpile area perimeter silt fence.



- E. Add 12'x50' stone/construction entrance to temporary soil stockpile area.
- F. Add erosion control blanket to new swale centerlines.
- G. Add long rip-rap dam per comments from IDEM.
- H. Add end section inlet protection, reposition rip-rap dam, and adjust construction limits near the NE corner of the site.
- I. Add yard inlet protection at NE corner.
- J. Reposition end section and yard inlet protection east of expressway entrance.
- K. Erosion Control Key
- L. Add 2a and 2b.
- M. Update detail references
- N. Erosion Control Sequencing Note
  - a. Revise note #9, Construction Activity

Sheet C5.1:

- A. Tag new vegetated swales.
- B. Erosion Control Key
  - a. Update detail references

Sheet C5.2:

- A. Add Detail #12 Construction Entrance (12'x50').
- B. Re-number details.

**Item:** 1.5

**Description:** Revisions to details based on City Review Comments

Sheet C6.1:

- A. Added sanitary sewer details per CFW comments.

**Item:** 1.6

**Description:** Revisions to profile sheets based on City review comments

Sheet C7.0:

- A. Modified sanitary sewer notes per CFW review comments.
- B. Clarification on structural backfill requirements/areas.

Sheet C7.2:

- A. Modified storm sewer profile to reflect utility plan revisions.

### ITEMIZED PROPOSAL

Project Name: Fort Wayne Airport Ardmore Development

Project No.: AF25-05

Supplementing the enclosed Contractor's Indiana Bid Form No. 96, latest revision, the undersigned submits the following Itemized Proposal upon which the bid is based. The undersigned further acknowledges that he is fully aware of all conditions existing regarding the project, and has full understanding of all work to be done as outlined in the plans and specifications for the project; and further agrees that any change orders to the contract authorized by the Sponsor shall be based on the following schedule of unit prices where applicable.

### INDIANA LEGAL EMPLOYMENT DECLARATION

The State of Indiana has enacted a law (I.C. 22-5-1.7) requiring the Fort Wayne-Allen County Airport Authority to require the following before renewing or entering into contracts for services:

This Declaration serves as notice that all Contractors performing services must, as a term of their contract:

1. Enroll in and verify the work eligibility status of newly hired employees of the contractor through the E-Verify programs (but is not required to do this if the E-Verify program no longer exists); and
2. Verify, by signature below, that the Contractor does not knowingly employ unauthorized aliens.

By signing below, this affidavit becomes a part of and is incorporated into any contract for services that your firm currently has with the Fort Wayne-Allen County Airport Authority.

I, \_\_\_\_\_, a duly authorized agent of \_\_\_\_\_ (name of Company), declare under penalties of perjury that \_\_\_\_\_ (name of Company) does not employ unauthorized aliens to the best of its knowledge and belief.

\_\_\_\_\_  
(Name of Company)

By: \_\_\_\_\_  
(Authorized Representative of Company)

Subscribed and sworn to before me on this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

My Commission Expires: \_\_\_\_\_

County of Residence: \_\_\_\_\_

\_\_\_\_\_  
Notary Public – Signature

\_\_\_\_\_  
Notary Public – Printed Name

**PLEASE SEE <http://www.uscis.gov/e-verify> INSTRUCTIONS AND ELECTRONIC REGISTRATION FOR E-VERIFY.**

**IC 5-16-13 also requires that any contractor (including subcontractors) submit, before work begins on a project, the E-verify case verification number for each individual who is required to be verified under IC 22-5-1.7.**

### **STEEL PROCUREMENT FOR PUBLIC WORKS**

If any steel or foundry products are to be used or supplied in the performance of the contract or subcontract, only steel or foundry products made in the United States shall be used or supplied in the performance of the contract or any of the subcontracts unless the Executive Director of Airports determines, in writing, that the cost of steel or foundry products is considered to be unreasonable in accordance with IC 5-16-8-2 (b).

The contractor certifies that it will utilize only steel made in the United States unless it has obtained written approval from the Executive Director of Airports due to a bid cost differential of 15% or more incurred when using steel made in the United States over steel of foreign origin.

Failure of the contractor to comply with this requirement may result in a discontinuation of payment by the public agency to the Contractor.

CERTIFICATION OF BIDDER for the above:

Bidder's Signature\_\_\_\_\_

Bidders will complete the work in accordance with the Contract Documents for the following prices (Basis of Bid/Bid Item schedule on following pages):

Bid Total: \$ \_\_\_\_\_

The undersigned further agrees to complete the work according to the terms of the entire contract in 170 calendar days.

The undersigned hereby acknowledges receipt of the following Addenda:

No. \_\_\_\_\_ dated \_\_\_\_\_

No. \_\_\_\_\_ dated \_\_\_\_\_

No. \_\_\_\_\_ dated \_\_\_\_\_

TESTIMONY WHEREOF, the bidder has hereunto set his hand this \_\_\_\_\_ day of \_\_\_\_\_.

\_\_\_\_\_  
(Individual, Firm or Corporation)

(Seal By): \_\_\_\_\_

Title: \_\_\_\_\_

ATTEST: \_\_\_\_\_

## SECTION 00 41 00 - BASIS OF BID/BID ITEM SCHEDULE

Contractor Name \_\_\_\_\_

PROJECT NAME: Fort Wayne Airport Ardmore Development \_\_\_\_\_

PROJECT NUMBER: AF25-05

Bidder will complete the Work in accordance with the Contract Documents for the following

3.01.A price(s):

| #  | DESCRIPTION                                                  | QUANTITY | UNIT | UNIT PRICE | AMOUNT |
|----|--------------------------------------------------------------|----------|------|------------|--------|
| 1  | Maintenance and Protection of Traffic                        | 1        | LS   |            |        |
| 2  | Erosion and Sediment Control                                 | 1        | LS   |            |        |
| 3  | Mobilization and Demobilization (Not to Exceed 5%)           | 1        | LS   |            |        |
| 4  | Construction Staking                                         | 1        | LS   |            |        |
| 5  | Remove Asphalt Pavement                                      | 507      | SY   |            |        |
| 6  | Removal of Concrete Sidewalk, Drive, or Slab                 | 125      | SY   |            |        |
| 7  | Removal of Concrete Curb and Gutter                          | 105      | LF   |            |        |
| 8  | Remove Trees and Shrubs                                      | 3        | AC   |            |        |
| 9  | Remove Landscaping and Replace in-kind                       | 1        | LS   |            |        |
| 10 | Remove Sign                                                  | 1        | EA   |            |        |
| 11 | Remove and Replace Sign                                      | 1        | EA   |            |        |
| 12 | Remove and Relocate Light Post                               | 1        | EA   |            |        |
| 13 | Remove and Relocate Directional Sign and Concrete Foundation | 1        | LS   |            |        |
| 14 | Remove Pavement Markings by Grinding                         | 1,710    | LF   |            |        |
| 15 | Remove Fence and Foundations                                 | 850      | LF   |            |        |
| 16 | Remove Abandoned Communication Structure                     | 3        | EA   |            |        |
| 17 | Remove Abandoned Gas Structure                               | 1        | EA   |            |        |
| 18 | Remove 12" Storm Sewer                                       | 119      | LF   |            |        |
| 19 | Remove 15" Storm Sewer                                       | 25       | LF   |            |        |
| 20 | Remove 18" Storm Sewer                                       | 30       | LF   |            |        |
| 21 | Remove 24" Storm Sewer                                       | 9        | LF   |            |        |
| 22 | Remove 36" Storm Sewer                                       | 110      | LF   |            |        |
| 23 | Remove Storm Structure                                       | 1        | EA   |            |        |
| 24 | Remove Stand Pipe                                            | 1        | EA   |            |        |
| 25 | Adjust Traffic Manhole Casting to Grade                      | 1        | EA   |            |        |
| 26 | Remove 12" Water Line                                        | 873      | LF   |            |        |
| 27 | Construction Entrance                                        | 670      | SY   |            |        |
| 28 | Compacted Aggregate, No. 53, Base                            | 1,315    | TN   |            |        |
| 29 | Compacted Aggregate, No. 2, Sub-base                         | 1,720    | TN   |            |        |
| 30 | HMA Surface, 9.5 mm, Type B                                  | 340      | TN   |            |        |
| 31 | HMA Intermediate, 19.0 mm, Type B                            | 710      | TN   |            |        |
| 32 | 4" Concrete Sidewalk                                         | 80       | SY   |            |        |
| 33 | Concrete Median                                              | 100      | LF   |            |        |
| 34 | Concrete Curb and Gutter                                     | 2,015    | LF   |            |        |

GENERAL

DEMO

LAYOUT

Federal

P - 4

|    |                                                                |       |    |  |  |
|----|----------------------------------------------------------------|-------|----|--|--|
| 35 | Pavement Marking - 24" Epoxy (Stop Bars and Crosswalks)        | 445   | LF |  |  |
| 36 | Pavement Marking - Turn Arrow Epoxy                            | 9     | EA |  |  |
| 37 | Pavement Marking - 4" Yellow Epoxy                             | 1,565 | LF |  |  |
| 38 | Pavement Marking - 4" White Epoxy                              | 160   | LF |  |  |
| 39 | Pavement Marking - 12" Transverse w/ 8" Gore Area White Epoxy  | 1,680 | LF |  |  |
| 40 | Pavement Marking - 12" Transverse w/ 8" Gore Area Yellow Epoxy | 110   | LF |  |  |
| 41 | Sign - "STOP"                                                  | 4     | EA |  |  |
| 42 | ADA Curb Ramp, Type III 6' Wide                                | 8     | EA |  |  |
| 43 | ADA Curb Ramp, Type III 8' Wide                                | 2     | EA |  |  |
| 44 | ADA Curb Ramp, Type V                                          | 1     | EA |  |  |
| 45 | 12" Storm Line                                                 | 329   | LF |  |  |
| 46 | 18" Storm Line                                                 | 426   | LF |  |  |
| 47 | 24" Storm Line                                                 | 595   | LF |  |  |
| 48 | 30" Storm Line                                                 | 1,047 | LF |  |  |
| 49 | 36" Storm Line                                                 | 151   | LF |  |  |
| 50 | 42" Storm Line                                                 | 198   | LF |  |  |
| 51 | 12" End Section                                                | 1     | EA |  |  |
| 52 | 24" End Section                                                | 3     | EA |  |  |
| 53 | 36" End Section                                                | 1     | EA |  |  |
| 54 | 42" End Section                                                | 1     | EA |  |  |
| 55 | 30" Inlet                                                      | 5     | EA |  |  |
| 56 | 48" Storm Manhole                                              | 10    | EA |  |  |
| 57 | 60" Storm Manhole                                              | 2     | EA |  |  |
| 58 | 72" Storm Manhole                                              | 2     | EA |  |  |
| 59 | 84" Storm Manhole                                              | 1     | EA |  |  |
| 60 | Connect to Existing Storm Structure                            | 2     | EA |  |  |
| 61 | Storm Water Quality Unit                                       | 1     | EA |  |  |
| 62 | 6" Water Line, AWWA C900 PVC                                   | 320   | LF |  |  |
| 63 | 12" Water Line, HDPE DR-11                                     | 1,378 | LF |  |  |
| 64 | 6" Gate Valve & Box                                            | 7     | EA |  |  |
| 65 | 12" Gate Valve & Box                                           | 4     | EA |  |  |
| 66 | 12" Insertion Valve                                            | 2     | EA |  |  |
| 67 | 6" Ductile Iron Cap                                            | 7     | EA |  |  |
| 68 | 12" x 45 Degree Elbow                                          | 10    | EA |  |  |
| 69 | 12" x 6" Tee                                                   | 7     | EA |  |  |
| 70 | 12" x 6", Fire Hydrant Assembly, Type III                      | 3     | EA |  |  |
| 71 | 6" Sanitary Line, SDR-35 PVC                                   | 350   | LF |  |  |
| 72 | 8" Sanitary Line, SDR-35 PVC                                   | 895   | LF |  |  |
| 73 | 48" Sanitary Manhole                                           | 4     | EA |  |  |
| 74 | 8" x 6" Wye                                                    | 8     | EA |  |  |

UTILITIES

|                   |                                                                                 |       |    |  |  |
|-------------------|---------------------------------------------------------------------------------|-------|----|--|--|
| 75                | 6" Plug/Cap                                                                     | 8     | EA |  |  |
| 76                | 6" Cleanout Assembly                                                            | 8     | EA |  |  |
| 77                | Connect to Existing Sanitary Structure                                          | 2     | EA |  |  |
| 78                | Special Backfill                                                                | 1,610 | CY |  |  |
| 79                | Rip-Rap with Geotextiles                                                        | 100   | TN |  |  |
| 80                | Topsoil Strip and Stockpile                                                     | 6,590 | CY |  |  |
| 81                | Topsoil Replace                                                                 | 6,590 | CY |  |  |
| 82                | Common Excavation                                                               | 4230  | CY |  |  |
| 83                | Import Suitable Fill                                                            | 21810 | CY |  |  |
| 84                | Excavation of Unsuitable Materials (Undistributed)                              | 130   | CY |  |  |
| 85                | Additional Select Fill for Unsuitable Materials, #53 Limestone, (Undistributed) | 260   | TN |  |  |
| 86                | Geogrid, Tensar BX-1200 (Undistributed)                                         | 380   | SY |  |  |
| 87                | Seeding and Site Restoration                                                    | 10.96 | AC |  |  |
| 88                | Electrical Demo                                                                 | 1     | LS |  |  |
| 89                | Electrical Feed for Relocating Sign                                             | 1     | LS |  |  |
| 90                | Relocate Light Pole                                                             | 1     | LS |  |  |
| 91                | Pole Bases                                                                      | 9     | EA |  |  |
| 92                | New Pole/light/single head assembly                                             | 6     | EA |  |  |
| 93                | New Pole/light/double head assembly                                             | 1     | EA |  |  |
| 94                | Traycable in HDPE Conduit                                                       | 1,300 | LF |  |  |
|                   |                                                                                 |       |    |  |  |
| <b>TOTAL &gt;</b> |                                                                                 |       |    |  |  |

|            |
|------------|
|            |
| EARTHWORK  |
| Electrical |

**NOTES:**

1. Excludes Soil Stabilization Measures/ Unsuitable Soil
2. Excludes Design Fees

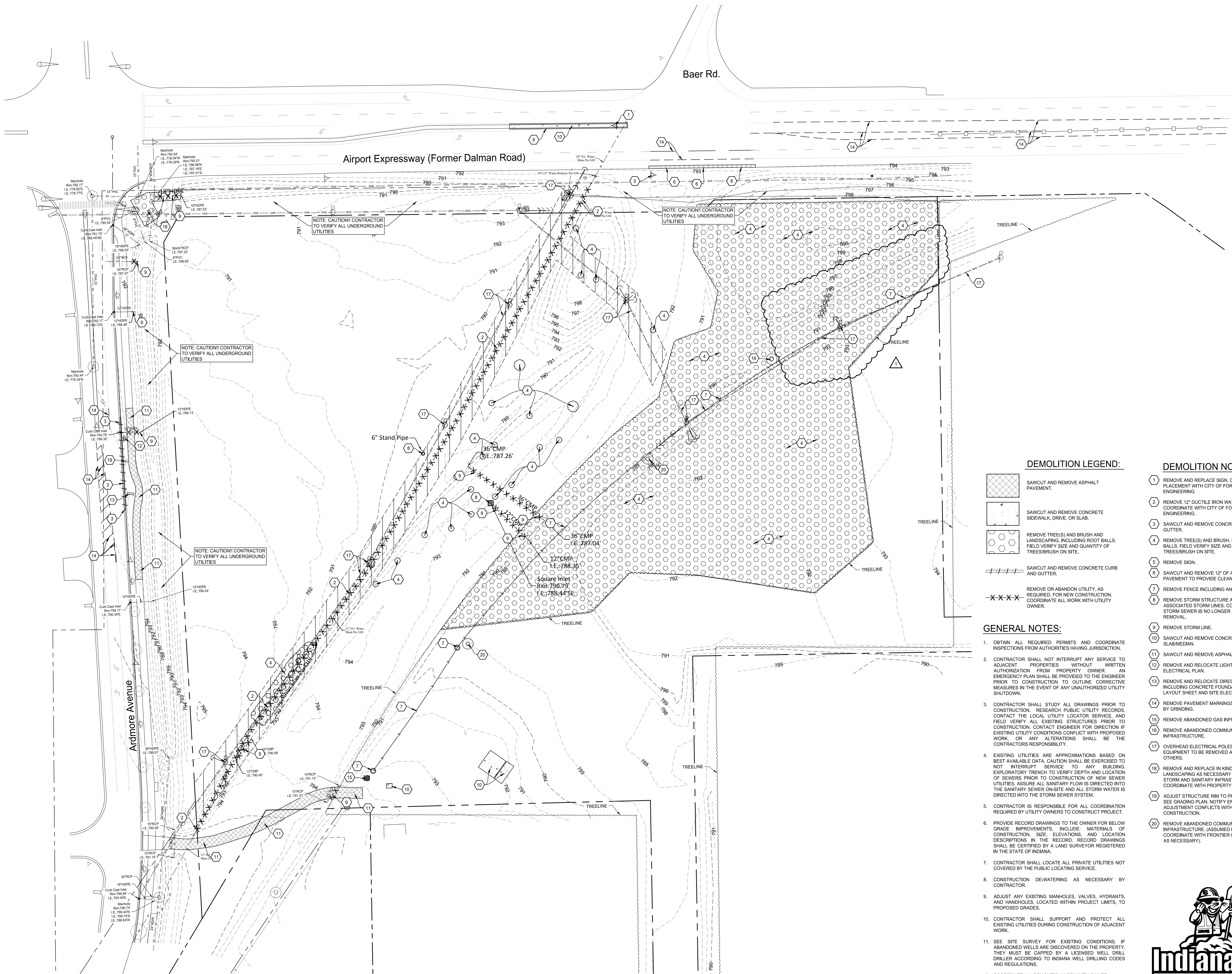


A. Estimated quantities are not guaranteed and are solely for the purpose of comparison of bids. Final payment shall be based on determinations of actual quantities and classifications of work per Section 13.03 of the General Conditions.

B. In the event there is an arithmetic error in the tabulation of the EXTENSION or TOTAL BID PRICE, the unit prices shall prevail and be used to compute the EXTENSION or TOTAL BID PRICE.

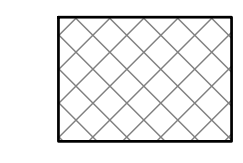
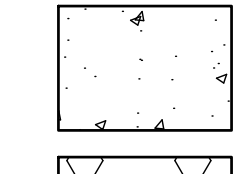
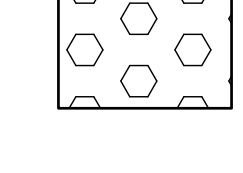
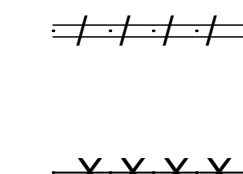
**END OF ITEMIZED PROPOSAL**

May 30, 2025 11:03 AM  
S:\Projects\Projects (6000-6999)\Projects (6250-6299)\FMA Ardmore Development\Drawings\6277.C10 Site Demolition Plan.dwg



 **SITE DEMOLITION PLAN**  
SCALE: 1" = 40'

#### DEMOLITION LEGEND:

-  SAWCUT AND REMOVE ASPHALT PAVEMENT.
-  SAWCUT AND REMOVE CONCRETE SIDEWALK, DRIVE, OR SLAB.
-  REMOVE TREE(S) AND BRUSH AND LANDSCAPING, INCLUDING ROOT BALLS. FIELD VERIFY SIZE AND QUANTITY OF TREES/BRUSH ON SITE.
-  SAWCUT AND REMOVE CONCRETE CURB AND GUTTER.
-  REMOVE OR ABANDON UTILITY, AS REQUIRED. FOR NEW CONSTRUCTION, COORDINATE ALL WORK WITH UTILITY OWNER.

#### GENERAL NOTES:

- OBTAIN ALL REQUIRED PERMITS AND COORDINATE INSPECTIONS FROM AUTHORITIES HAVING JURISDICTION.
- CONTRACTOR SHALL NOT INTERRUPT ANY SERVICE TO ADJACENT PROPERTIES WITHOUT WRITTEN AUTHORIZATION FROM PROPERTY OWNER. AN EMERGENCY PLAN SHALL BE PROVIDED TO THE ENGINEER PRIOR TO CONSTRUCTION TO OUTLINE CORRECTIVE MEASURES IN THE EVENT OF ANY UNAUTHORIZED UTILITY SHUTDOWN.
- CONTRACTOR SHALL STUDY ALL DRAWINGS PRIOR TO CONSTRUCTION. RESEARCH PUBLIC UTILITY RECORDS, CONTACT THE LOCAL UTILITY LOCATOR SERVICE, AND FIELD VERIFY ALL EXISTING STRUCTURES PRIOR TO CONSTRUCTION. CONTACT ENGINEER FOR DIRECTION IF EXISTING UTILITY CONDITIONS CONFLICT WITH PROPOSED WORK, OR ANY ALTERATIONS SHALL BE THE CONTRACTORS RESPONSIBILITY.
- EXISTING UTILITIES ARE APPROXIMATIONS BASED ON BEST AVAILABLE DATA. CAUTION SHALL BE EXERCISED TO NOT INTERRUPT SERVICE TO ANY BUILDING. EXPLORATORY TRENCH TO VERIFY DEPTH AND LOCATION OF SEWERS PRIOR TO CONSTRUCTION OF NEW SEWER UTILITIES. ASSURE ALL SANITARY FLOW IS DIRECTED INTO THE SANITARY SEWER ON-SITE AND ALL STORM WATER IS DIRECTED INTO THE STORM SEWER SYSTEM.
- CONTRACTOR IS RESPONSIBLE FOR ALL COORDINATION REQUIRED BY UTILITY OWNERS TO CONSTRUCT PROJECT.
- PROVIDE RECORD DRAWINGS TO THE OWNER FOR BELOW GRADE IMPROVEMENTS. INCLUDE MATERIALS OF CONSTRUCTION, SIZE, ELEVATIONS, AND LOCATION DESCRIPTIONS IN THE RECORD. RECORD DRAWINGS SHALL BE CERTIFIED BY A LAND SURVEYOR REGISTERED IN THE STATE OF INDIANA.
- CONTRACTOR SHALL LOCATE ALL PRIVATE UTILITIES NOT COVERED BY THE PUBLIC LOCATING SERVICE.
- CONSTRUCTION DE-WATERING AS NECESSARY BY CONTRACTOR.
- ADJUST ANY EXISTING MANHOLES, VALVES, HYDRANTS, AND HANDHOLES, LOCATED WITHIN PROJECT LIMITS, TO PROPOSED GRADES.
- CONTRACTOR SHALL SUPPORT AND PROTECT ALL EXISTING UTILITIES DURING CONSTRUCTION OF ADJACENT WORK.
- SEE SITE SURVEY FOR EXISTING CONDITIONS. IF ABANDONED WELLS ARE DISCOVERED ON THE PROPERTY, THEY MUST BE CAPPED BY A LICENSED WELL DRILLER ACCORDING TO INDIANA WELL DRILLING CODES AND REGULATIONS.
- COORDINATE ALL DEMOLITION WORK WITH OWNER.
- CONTRACTOR IS RESPONSIBLE FOR ALL PERMIT FEES, TAPPING FEES, INSPECTION FEES, ETC.

#### DEMOLITION NOTES:

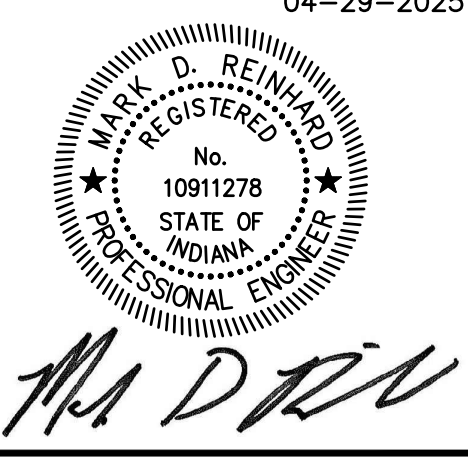
- REMOVE AND REPLACE SIGN. COORDINATE PLACEMENT WITH CITY OF FORT WAYNE TRAFFIC ENGINEERING.
- REMOVE 12" DUCTILE IRON WATERLINE. COORDINATE WITH CITY OF FORT WAYNE WATER ENGINEERING.
- SAWCUT AND REMOVE CONCRETE CURB AND GUTTER.
- REMOVE TREE(S) AND BRUSH, INCLUDING ROOT BALLS. FIELD VERIFY SIZE AND QUANTITY OF TREES/BRUSH ON SITE.
- REMOVE SIGN.
- SAWCUT AND REMOVE 12" OF ASPHALT PAVEMENT TO PROVIDE CLEAN EDGE.
- REMOVE FENCE INCLUDING ANY FOUNDATIONS.
- REMOVE STORM STRUCTURE AND ANY ASSOCIATED STORM LINES. CONFIRM EXISTING STORM SEWER IS NO LONGER IN USE PRIOR TO REMOVAL.
- REMOVE STORM LINE.
- SAWCUT AND REMOVE CONCRETE APPROACH/ SLAB/MEDIAN.
- SAWCUT AND REMOVE ASPHALT PAVEMENT.
- REMOVE AND RELOCATE LIGHT POST. SEE SITE ELECTRICAL PLAN.
- REMOVE AND RELOCATE DIRECTIONAL SIGN INCLUDING CONCRETE FOUNDATION. SEE SITE LAYOUT SHEET AND SITE ELECTRICAL PLAN.
- REMOVE PAVEMENT MARKINGS AS NECESSARY BY GRINDING.
- REMOVE ABANDONED GAS INFRASTRUCTURE.
- REMOVE ABANDONED COMMUNICATION INFRASTRUCTURE.
- OVERHEAD ELECTRICAL POLES, LINES, AND EQUIPMENT TO BE REMOVED AND RELOCATED BY OTHERS.
- REMOVE AND REPLACE IN KIND EXISTING LANDSCAPING AS NECESSARY TO INSTALL STORM AND SANITARY INFRASTRUCTURE. COORDINATE WITH PROPERTY OWNER.
- ADJUST STRUCTURE RIM TO PROPOSED GRADE. SEE GRADING PLAN. NOTIFY ENGINEER IF ADJUSTMENT CONFLICTS WITH PROPOSED CONSTRUCTION.
- REMOVE ABANDONED COMMUNICATION INFRASTRUCTURE. (ASSUMED LOCATION COORDINATE WITH FRONTIER COMMUNICATION AS NECESSARY).





**ENGINEERING  
RESOURCES, INC.**  
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Ph: (260) 490-1025 www.eri consulting

04-29-2025



*Mark D. Reinhard*

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## Fort Wayne Airport Ardmore Development

9150 Ardmore Ave.  
Fort Wayne, IN 46809



**FORT WAYNE-ALLEN COUNTY  
AIRPORT AUTHORITY**

ERI PROJECT NUMBER: 6277

ISSUE DATE: 04.29.2025

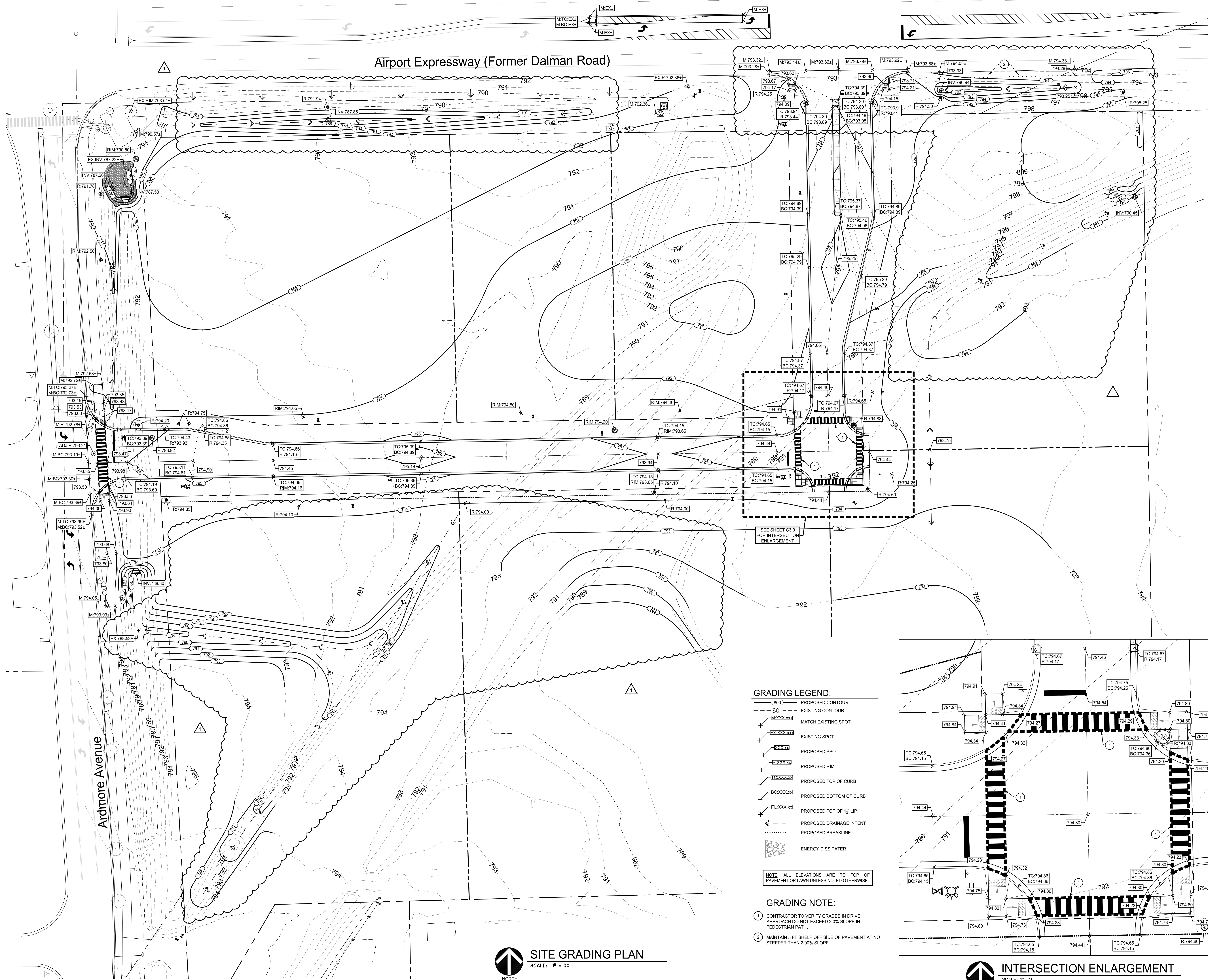
CONSTRUCTION DOCUMENTS

| REVISIONS |         |             |
|-----------|---------|-------------|
| NO.       | DATE    | DESCRIPTION |
| 1         | 5/30/25 | ADDENDUM #2 |

**SITE DEMOLITION PLAN**

# C1.0

May 30, 2025 11:03 AM  
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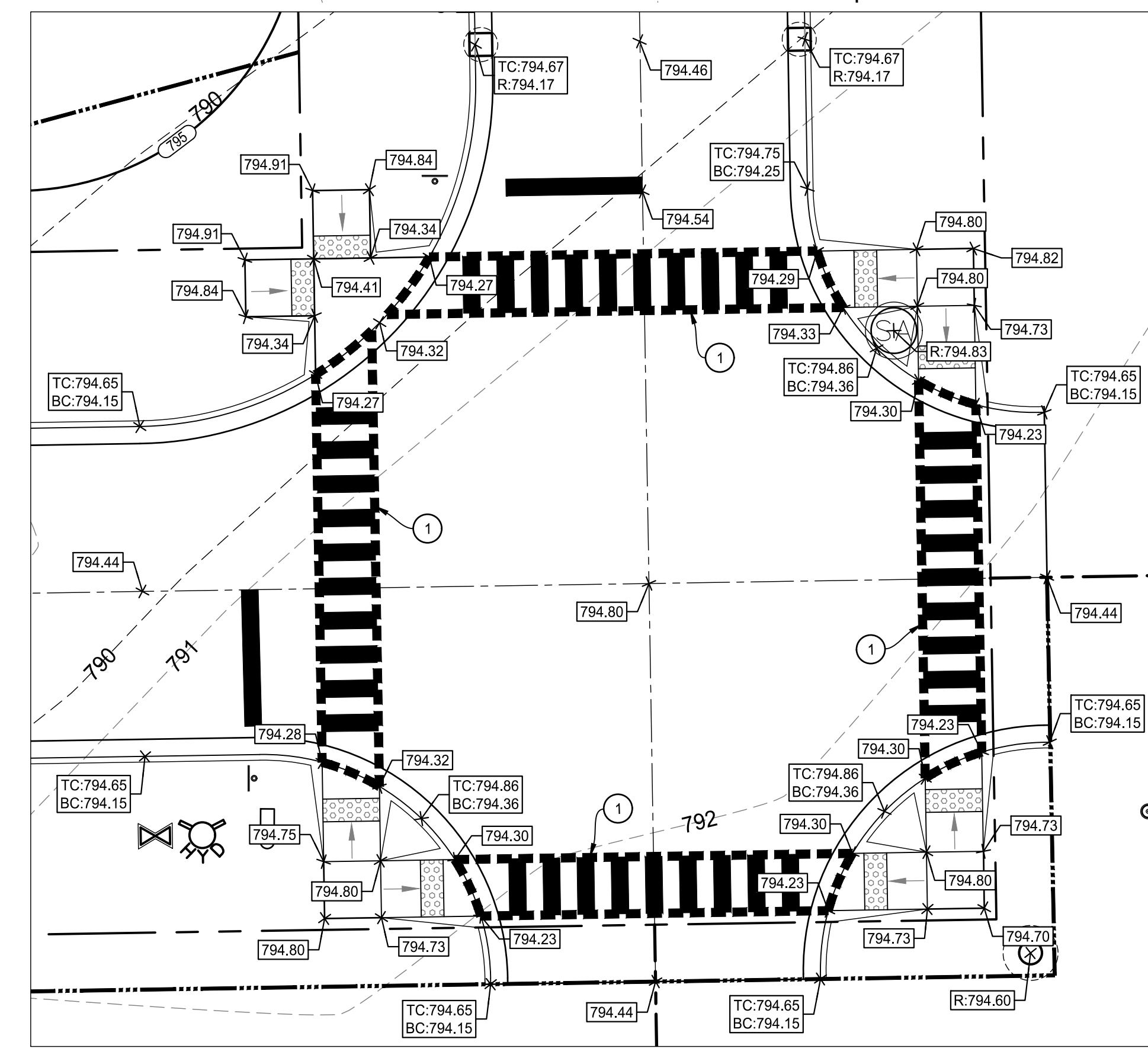
#### GRADING LEGEND:

- 800 PROPOSED CONTOUR
- 801 EXISTING CONTOUR
- MXXX.XX MATCH EXISTING SPOT
- EXXXX.XX EXISTING SPOT
- XXXX.XX PROPOSED SPOT
- XXXX.XX PROPOSED RIM
- TCXXX.XX PROPOSED TOP OF CURB
- BCXXX.XX PROPOSED BOTTOM OF CURB
- TLXXX.XX PROPOSED TOP OF 1/2" LIP
- PROPOSED DRAINAGE INTENT
- PROPOSED BREAKLINE
- ENERGY DISSIPATER

NOTE: ALL ELEVATIONS ARE TO TOP OF PAVEMENT OR LAWN UNLESS NOTED OTHERWISE.

#### GRADING NOTE:

- CONTRACTOR TO VERIFY GRADES IN DRIVE APPROACH DO NOT EXCEED 2.0% SLOPE IN PEDESTRIAN PATH.
- MAINTAIN 5 FT SHELFF OFF SIDE OF PAVEMENT AT NO STEEPER THAN 2.00% SLOPE.



**ENGINEERING RESOURCES, INC.**  
4175 New Vision Drive, Fort Wayne, IN 46845  
Ph: (260) 490-1025 www.eri consulting

04-29-2025

MARK D. REINHOLD  
REGISTERED PROFESSIONAL ENGINEER  
No. 1091278  
STATE OF INDIANA

*M. D. R.*

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## Fort Wayne Airport Ardmore Development

9150 Ardmore Ave.  
Fort Wayne, IN 46809



ERI PROJECT NUMBER: 6277

ISSUE DATE: 04.29.2025

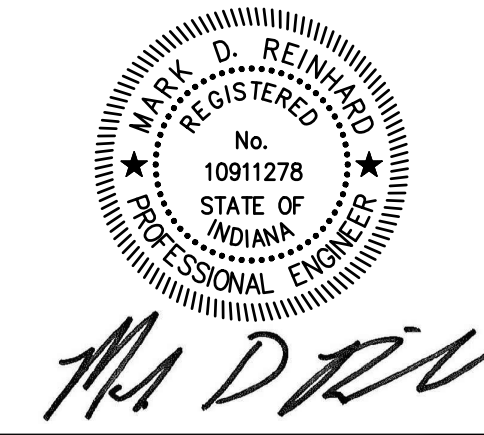
CONSTRUCTION DOCUMENTS

| REVISIONS |         |             |
|-----------|---------|-------------|
| NO.       | DATE    | DESCRIPTION |
| 1         | 5/30/25 | ADDENDUM #2 |

SITE GRADING PLAN

# C3.0

# Airport Expressway (Former Dalman Road)



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## Fort Wayne Airport Ardmore Development

9150 Ardmore Ave.  
Fort Wayne, IN 46809



ERI PROJECT NUMBER: 6277

ISSUE DATE: 04.29.2025

CONSTRUCTION DOCUMENTS

| REVISIONS |         |             |
|-----------|---------|-------------|
| NO.       | DATE    | DESCRIPTION |
| 1         | 5/30/25 | ADDENDUM #2 |

SITE UTILITY PLAN

**C4.0**

### PROPOSED LEGEND:

|  |                       |  |                        |
|--|-----------------------|--|------------------------|
|  | STORM INLET / MANHOLE |  | STORM SEWER            |
|  | STORM END SECTION     |  | SANITARY SEWER         |
|  | SANITARY MANHOLE      |  | WATER LINE             |
|  | SANITARY CLEANOUT     |  | LOT LINE               |
|  | GATE VALVE            |  | R.O.W. / PROPERTY LINE |
|  |                       |  | EASEMENT LINE          |

### UTILITY NOTES:

- 12" HDPE DR-11 WATER MAIN.
- 12" GATE VALVE AND VALVE BOX.
- 6" WATER LINE.
- 6" GATE VALVE AND VALVE BOX.
- CAP AND MARK WATER LINE FOR FUTURE CONNECTION.
- CONNECT PROPOSED WATER LINE TO EXISTING WATER LINE STUB.
- STORM END SECTION TREATMENT PER DETAIL #7/C6.1.
- CORE HOLE IN EXISTING STRUCTURE TO CONNECT PROPOSED SEWER. PROVIDE WATER TIGHT CONNECTION.
- HYDRANT TYPE "III" PER DETAIL #8/C6.1.
- 12" x 6" TEE.
- FIELD VERIFY DEPTH AND LOCATION OF EXISTING GAS LINE. PRIOR TO ORDERING ANY STRUCTURES. NOTIFY ENGINEER IF CONFLICTS WITH PROPOSED CONSTRUCTION.
- FIELD VERIFY DEPTH AND LOCATION OF EXISTING FIBER OPTIC LINE. PRIOR TO ORDERING ANY STRUCTURES. NOTIFY ENGINEER IF CONFLICTS WITH PROPOSED CONSTRUCTION.
- CONNECT EXISTING STORM SEWER TO PROPOSED STRUCTURE. PROVIDE WATERTIGHT CONNECTION.
- CONNECT PROPOSED STORM SEWER TO EXISTING STRUCTURE. PROVIDE WATERTIGHT CONNECTION. REPLACE STRUCTURE CASTING WITH TYPE F.
- ADJUST RIM TO PROPOSED GRADE PER CASTING ADJUSTMENT DETAIL #2/C6.1.
- PROVIDE DROP CONNECTION PER DETAIL #10/C6.1.
- PROVIDE 12" INSERTION VALVE ON EXISTING WATER MAIN.

### FIRM MAP:

- PANEL: 293 OF 495
- MAP NUMBER: 18003C0289G
- MAP REVISED: AUGUST 3, 2009
- ZONE: X
- FLOOD INSURANCE STUDY: AUGUST 3, 2009

### CITY OF FORT WAYNE SANITARY SEWER NOTES:

- SEE SHEET C7.0

### CITY OF FORT WAYNE WATER MAIN NOTES:

- SEE SHEET C7.3

### STORM SEWER NOTES:

- MATERIAL AND WORKMANSHIP SHALL COMPLY WITH THE CITY OF FORT WAYNE STANDARDS AND SPECIFICATIONS.
- ALL PIPE WITHIN RIGHT-OF-WAY SHALL BE C76 CL-111 RCP. ALL OTHER PIPE SHALL BE ADS N-12 HDPE OR C76 CL-111 RCP UNLESS OTHERWISE NOTED. ALL PIPE SHALL BE INSTALLED ACCORDING TO SPECIFICATIONS AND PIPE TRENCH DETAIL #1/C6.1.
- MAINTAIN 10'-0" MINIMUM HORIZONTAL AND 18" MINIMUM VERTICAL SEPARATION BETWEEN ALL SEWER PIPING AND POTABLE WATER PIPING. WHEN MINIMUM TOLERANCES CAN'T BE MAINTAINED, USE WATERWORKS GRADE PIPE AND FITTINGS OF MATERIAL SELECTED.

NOTE: ADJUST ALL EXISTING MANHOLES, VALVES, HYDRANTS AND HANDHOLES TO PROPOSED GRADES.

NOTE: CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL AS REQUIRED BY STATE AND LOCAL AUTHORITIES.

NOTE: CONTRACTOR SHALL PROVIDE AS-BUILT SURVEY OF FINAL UTILITIES AS REQUIRED BY LOCAL AUTHORITIES.

NOTE: ALL EXISTING UTILITIES SHOWN IN PROFILE ARE APPROXIMATE LOCATION AND SIZE.

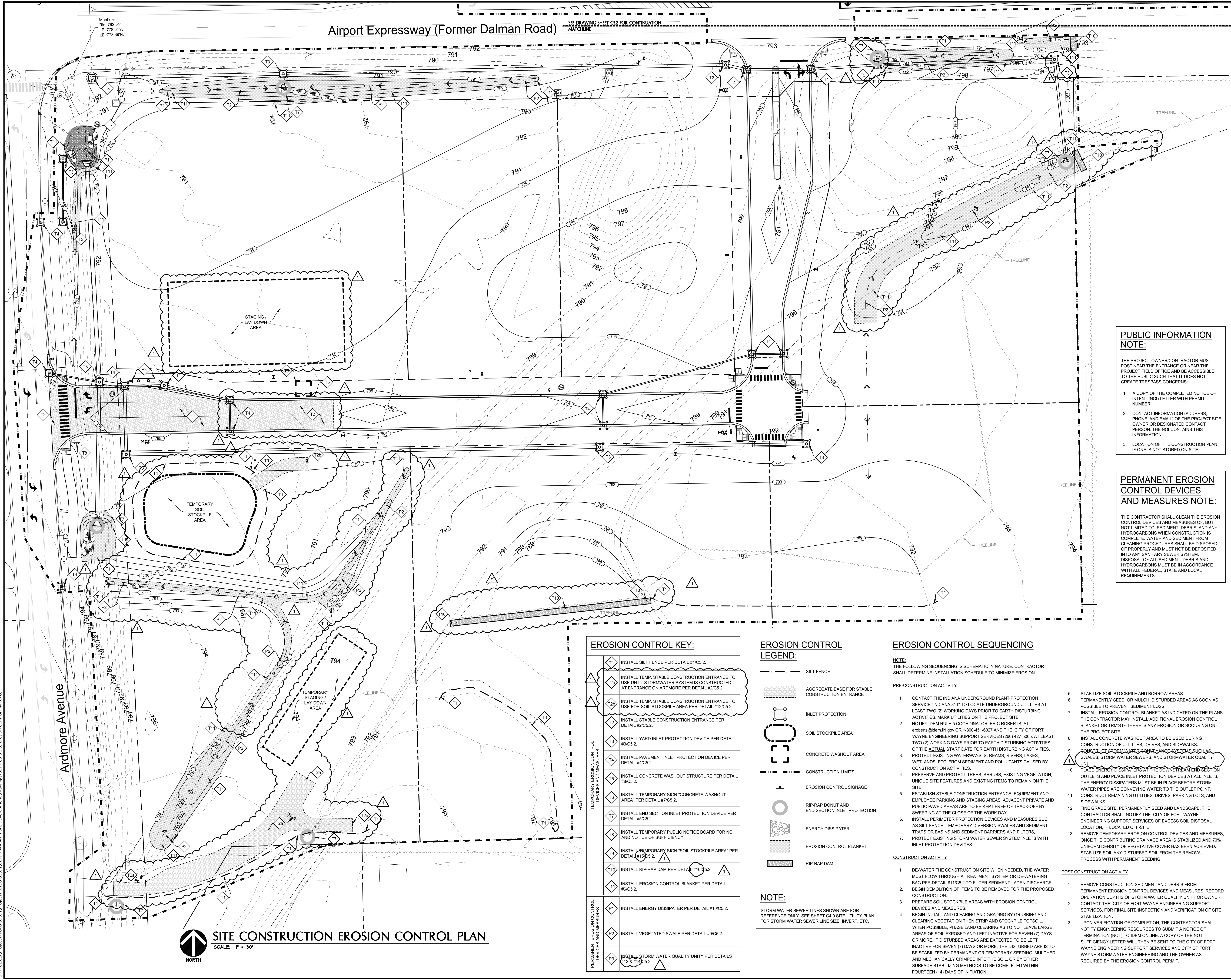
NOTE: PIPE LENGTHS ARE MEASURED TO THE CENTER OF STRUCTURES AND THE END OF END SECTIONS UNLESS OTHERWISE NOTED.



### SITE UTILITY PLAN

SCALE: 1" = 30'

May 30, 2025 11:03 AM  
S:\Projects\Projects (6000-6999)\Projects (6250-6299)\FWA Ardmore Development\Drawings\6277.C5.0 Site Erosion Control Plan.dwg



**SITE CONSTRUCTION EROSION CONTROL PLAN**  
SCALE: 1" = 30'  
NORTH

| EROSION CONTROL KEY:                           |                                                                                                                                     |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| T1                                             | INSTALL SILT FENCE PER DETAIL #1/C5.2.                                                                                              |
| T2                                             | INSTALL TEMP. STABLE CONSTRUCTION ENTRANCE TO USE UNTIL STORMWATER SYSTEM IS CONSTRUCTED AT ENTRANCE ON ARDMORE PER DETAIL #2/C5.2. |
| T2B                                            | INSTALL TEMP. STABLE CONSTRUCTION ENTRANCE TO USE FOR SOIL STOCKPILE AREA PER DETAIL #12/C5.2.                                      |
| T2                                             | INSTALL STABLE CONSTRUCTION ENTRANCE PER DETAIL #2/C5.2.                                                                            |
| T3                                             | INSTALL YARD INLET PROTECTION DEVICE PER DETAIL #3/C5.2.                                                                            |
| T4                                             | INSTALL PAVEMENT INLET PROTECTION DEVICE PER DETAIL #4/C5.2.                                                                        |
| T5                                             | INSTALL CONCRETE WASHOUT STRUCTURE PER DETAIL #8/C5.2.                                                                              |
| T6                                             | INSTALL TEMPORARY SIGN "CONCRETE WASHOUT AREA" PER DETAIL #7/C5.2.                                                                  |
| T7                                             | INSTALL END SECTION INLET PROTECTION DEVICE PER DETAIL #5/C5.2.                                                                     |
| T8                                             | INSTALL TEMPORARY PUBLIC NOTICE BOARD FOR NOI AND NOTICE OF SUFFICIENCY.                                                            |
| T9                                             | INSTALL TEMPORARY SIGN "SOIL STOCKPILE AREA" PER DETAIL #13/C5.2.                                                                   |
| T10                                            | INSTALL RIP-RAP DAM PER DETAIL #16/C5.2.                                                                                            |
| T11                                            | INSTALL EROSION CONTROL BLANKET PER DETAIL #9/C5.2.                                                                                 |
| PERMANENT EROSION CONTROL DEVICES AND MEASURES |                                                                                                                                     |
| P1                                             | INSTALL ENERGY DISSIPATER PER DETAIL #10/C5.2.                                                                                      |
| P2                                             | INSTALL VEGETATED SWALE PER DETAIL #9/C5.2.                                                                                         |
| P3                                             | INSTALL STORM WATER QUALITY UNITY PER DETAILS #13 & #10/C5.2.                                                                       |

| EROSION CONTROL LEGEND: |                                                 |
|-------------------------|-------------------------------------------------|
|                         | SILT FENCE                                      |
|                         | AGGREGATE BASE FOR STABLE CONSTRUCTION ENTRANCE |
|                         | INLET PROTECTION                                |
|                         | SOIL STOCKPILE AREA                             |
|                         | CONCRETE WASHOUT AREA                           |
|                         | CONSTRUCTION LIMITS                             |
|                         | EROSION CONTROL SIGNAGE                         |
|                         | RIP-RAP DONUT AND END SECTION INLET PROTECTION  |
|                         | ENERGY DISSIPATER                               |
|                         | EROSION CONTROL BLANKET                         |
|                         | RIP-RAP DAM                                     |

**NOTE:**  
STORM WATER SEWER LINES SHOWN ARE FOR REFERENCE ONLY. SEE SHEET C4.0 SITE UTILITY PLAN FOR STORM WATER SEWER LINE SIZE, INVERT, ETC.

- EROSION CONTROL SEQUENCING**
- NOTE:**  
THE FOLLOWING SEQUENCING IS SCHEMATIC IN NATURE. CONTRACTOR SHALL DETERMINE INSTALLATION SCHEDULE TO MINIMIZE EROSION.
- PRE-CONSTRUCTION ACTIVITY**
- CONTACT THE INDIANA UNDERGROUND PLANT PROTECTION SERVICE (INDIANA 811) TO LOCATE UNDERGROUND UTILITIES AT LEAST TWO (2) WORKING DAYS PRIOR TO EARTH DISTURBING ACTIVITIES. MARK UTILITIES ON THE PROJECT SITE.
  - NOTIFY IDEM RULE 5 COORDINATOR, ERIC ROBERTS, AT eroberts@idem.in.gov OR 1-800-451-6027 AND THE CITY OF FORT WAYNE ENGINEERING SUPPORT SERVICES (260) 427-5065, AT LEAST TWO (2) WORKING DAYS PRIOR TO EARTH DISTURBING ACTIVITIES, OF THE ACTUAL START DATE FOR EARTH DISTURBING ACTIVITIES.
  - PROTECT EXISTING WATERWAYS, STREAMS, RIVERS, LAKES, WETLANDS, ETC. FROM SEDIMENT AND POLLUTANTS CAUSED BY CONSTRUCTION ACTIVITIES.
  - PRESERVE AND PROTECT TREES, SHRUBS, EXISTING VEGETATION, UNIQUE SITE FEATURES AND EXISTING ITEMS TO REMAIN ON THE SITE.
  - ESTABLISH STABLE CONSTRUCTION ENTRANCE, EQUIPMENT AND EMPLOYEE PARKING AND STAGING AREAS. ADJACENT PRIVATE AND PUBLIC PAVED AREAS ARE TO BE KEPT FREE OF TRACK-OFF BY SWEEPING AT THE CLOSE OF THE WORK DAY.
  - INSTALL PERIMETER PROTECTION DEVICES AND MEASURES SUCH AS SILT FENCE, TEMPORARY DIVERSION SWALES AND SEDIMENT TRAPS OR BASINS AND SEDIMENT BARRIERS AND FILTERS.
  - PROTECT EXISTING STORM WATER SEWER SYSTEM INLETS WITH INLET PROTECTION DEVICES.
- CONSTRUCTION ACTIVITY**
- DE-WATER THE CONSTRUCTION SITE WHEN NEEDED. THE WATER MUST FLOW THROUGH A TREATMENT SYSTEM OR DE-WATERING BAG PER DETAIL #11/C5.2 TO FILTER SEDIMENT-LADEN DISCHARGE.
  - BEGIN DEMOLITION OF ITEMS TO BE REMOVED FOR THE PROPOSED CONSTRUCTION.
  - PREPARE SOIL STOCKPILE AREAS WITH EROSION CONTROL DEVICES AND MEASURES.
  - BEGIN INITIAL LAND CLEARING AND GRADING BY GRUBBING AND CLEARING VEGETATION THEN STRIP AND STOCKPILE TOPSOIL. WHEN POSSIBLE, PHASE LAND CLEARING AS TO NOT LEAVE LARGE AREAS OF SOIL EXPOSED AND LEFT INACTIVE FOR SEVEN (7) DAYS OR MORE. IF DISTURBED AREAS ARE EXPECTED TO BE LEFT INACTIVE FOR SEVEN (7) DAYS OR MORE, THE DISTURBED AREAS ARE TO BE STABILIZED BY PERMANENT OR TEMPORARY SEEDING, MULCHED AND MECHANICALLY CRIMPED INTO THE SOIL, OR BY OTHER SURFACE STABILIZING METHODS TO BE COMPLETED WITHIN FOURTEEN (14) DAYS OF INITIATION.
  - STABILIZE SOIL STOCKPILE AND BORROW AREAS.
  - PERMANENTLY SEED, OR MULCH, DISTURBED AREAS AS SOON AS POSSIBLE TO PREVENT SEDIMENT LOSS.
  - INSTALL EROSION CONTROL BLANKET AS INDICATED ON THE PLANS. THE CONTRACTOR MAY INSTALL ADDITIONAL EROSION CONTROL BLANKET OR TRMS IF THERE IS ANY EROSION OR SCOURING ON THE PROJECT SITE.
  - INSTALL CONCRETE WASHOUT AREA TO BE USED DURING CONSTRUCTION OF UTILITIES, DRIVES, AND SIDEWALKS.
  - CONSTRUCT STORM WATER SEWERS, AND STORMWATER QUALITY UNIT.
  - PLACE ENERGY DISSIPATERS AT THE DOWNSTREAM END SECTION OUTLETS AND PLACE INLET PROTECTION DEVICES AT ALL INLETS. THE ENERGY DISSIPATERS MUST BE IN PLACE BEFORE STORM WATER PIPES ARE CONVEYING WATER TO THE OUTLET POINT.
  - CONSTRUCT REMAINING UTILITIES, DRIVES, PARKING LOTS, AND SIDEWALKS.
  - FINE GRADE SITE, PERMANENTLY SEED AND LANDSCAPE. THE CONTRACTOR SHALL NOTIFY THE CITY OF FORT WAYNE ENGINEERING SUPPORT SERVICES OF EXCESS SOIL DISPOSAL LOCATION, IF LOCATED OFF-SITE.
  - REMOVE TEMPORARY EROSION CONTROL DEVICES AND MEASURES, ONCE THE CONTRIBUTING DRAINAGE AREA IS STABILIZED AND 70% UNIFORM DENSITY OF VEGETATIVE COVER HAS BEEN ACHIEVED. STABILIZE SOIL ANY DISTURBED SOIL FROM THE REMOVAL PROCESS WITH PERMANENT SEEDING.
- POST CONSTRUCTION ACTIVITY**
- REMOVE CONSTRUCTION SEDIMENT AND DEBRIS FROM PERMANENT EROSION CONTROL DEVICES AND MEASURES. RECORD OPERATION DEPTHS OF STORM WATER QUALITY UNIT FOR OWNER.
  - CONTACT THE CITY OF FORT WAYNE ENGINEERING SUPPORT SERVICES, FOR FINAL SITE INSPECTION AND VERIFICATION OF SITE STABILIZATION.
  - UPON VERIFICATION OF COMPLETION, THE CONTRACTOR SHALL NOTIFY ENGINEERING RESOURCES TO SUBMIT A NOTICE OF TERMINATION (NOT) TO IDEM ONLINE. A COPY OF THE NOT SUFFICIENCY LETTER WILL THEN BE SENT TO THE CITY OF FORT WAYNE ENGINEERING SUPPORT SERVICES AND CITY OF FORT WAYNE STORMWATER ENGINEERING AND THE OWNER AS REQUIRED BY THE EROSION CONTROL PERMIT.

**PUBLIC INFORMATION NOTE:**

THE PROJECT OWNER/CONTRACTOR MUST POST NEAR THE ENTRANCE OR NEAR THE PROJECT FIELD OFFICE AND BE ACCESSIBLE TO THE PUBLIC SUCH THAT IT DOES NOT CREATE TRESPASS CONCERNS.

- A COPY OF THE COMPLETED NOTICE OF INTENT (NOI) LETTER WITH PERMIT NUMBER.
- CONTACT INFORMATION (ADDRESS, PHONE, AND EMAIL) OF THE PROJECT SITE OWNER OR DESIGNATED CONTACT PERSON. THE NOI CONTAINS THIS INFORMATION.
- LOCATION OF THE CONSTRUCTION PLAN, IF ONE IS NOT STORED ON-SITE.

**PERMANENT EROSION CONTROL DEVICES AND MEASURES NOTE:**

THE CONTRACTOR SHALL CLEAN THE EROSION CONTROL DEVICES AND MEASURES OF, BUT NOT LIMITED TO, SEDIMENT, DEBRIS, AND ANY HYDROCARBONS WHEN CONSTRUCTION IS COMPLETE. WATER AND SEDIMENT FROM CLEANING PROCEDURES SHALL BE DISPOSED OF PROPERLY AND MUST NOT BE DEPOSITED INTO ANY SANITARY SEWER SYSTEM. DISPOSAL OF ALL SEDIMENT, DEBRIS AND HYDROCARBONS MUST BE IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REQUIREMENTS.

**ENGINEERING RESOURCES, INC.**  
4175 New Vision Drive, Fort Wayne, IN 46845  
Ph: (260) 490-1025 www.eri consulting

04-29-2025

**Mark D. Reinhard**  
No. 1091278  
STATE OF INDIANA  
PROFESSIONAL ENGINEER

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**Fort Wayne Airport  
Ardmore Development**

9150 Ardmore Ave.  
Fort Wayne, IN 46809

**FORT WAYNE-ALLEN COUNTY  
AIRPORT AUTHORITY**

**ERI PROJECT NUMBER: 6277**

**ISSUE DATE: 04.29.2025**

**CONSTRUCTION DOCUMENTS**

| REVISIONS |         |             |
|-----------|---------|-------------|
| NO.       | DATE    | DESCRIPTION |
| 1         | 5/30/25 | ADDENDUM #2 |

**SITE CONSTRUCTION  
EROSION CONTROL PLAN**

**C5.0**

Airport Expressway (Former Dalman Road)



SITE POST-CONSTRUCTION EROSION CONTROL PLAN

SCALE: 1" = 30'

EROSION CONTROL LEGEND:



ENERGY DISSIPATER

EROSION CONTROL KEY:

|    |                                                             |
|----|-------------------------------------------------------------|
| P1 | INSTALL ENERGY DISSIPATER PER DETAIL #10/CS.2.              |
| P2 | INSTALL VEGETATED SWALE PER DETAIL #9/CS.2.                 |
| P3 | INSTALL STORM WATER QUALITY UNIT PER DETAIL #13 & #10/CS.2. |

NOTE:

STORM WATER SEWER LINES SHOWN ARE FOR REFERENCE ONLY. SEE SHEET C4.0 SITE UTILITY PLAN FOR STORM WATER SEWER LINE SIZE, INVERT, ETC.

SPILLS: REPORTING, CONTAINMENT, AND RESPONSE NOTE:

CONTRACTOR SHALL REPORT TO THE DEPARTMENT OF ENVIRONMENTAL MANAGEMENT, OFFICE OF LAND QUALITY, EMERGENCY RESPONSE SECTION AT:  
(317) 233-7745 FOR IN-STATE CALLS  
1-888-233-7745 (TOLL FREE) FOR OUT-OF-STATE CALLS  
AND THE LOCAL SPILL HAZARDOUS MATERIALS TEAM

- SPILLS THAT DAMAGE THE WATERS OF THE STATE SO AS TO CAUSE DEATH OR ACUTE INJURY OR ILLNESS TO HUMANS OR ANIMALS.
- SPILLS FROM A FACILITY THAT HAD BEEN NOTIFIED IN WRITING BY A WATER UTILITY THAT IT IS LOCATED IN A DELINEATED PUBLIC WATER SUPPLY WELLHEAD PROTECTION AREA.
- SPILLS THAT DAMAGE WATERS OF THE STATE AND THAT ARE LOCATED: WITHIN FIFTY (50) FEET OF A KNOWN PRIVATE DRINKING WATER WELL LOCATED BEYOND THE FACILITY PROPERTY BOUNDARY OR WITHIN ONE HUNDRED (100) YARDS OF ANY HIGH QUALITY WATER CLASSIFIED AS AN OUTSTANDING STATE RESOURCE WATER, ANY WATER DESIGNATED AS CAPABLE OF SUPPORTING A SALMONID FISHERY, OR ANY WATER THAT IS A FISH HATCHERY, FISH AND WILDLIFE AREA, NATURE PRESERVE, OR RECREATIONAL WATER OWNED BY THE DNR OR THE FEDERAL GOVERNMENT.
- SPILLS TO SURFACE WATER.
- SPILLS TO SOIL BEYOND THE FACILITY BOUNDARY.
- SPILLS TO SOIL WITHIN THE FACILITY BOUNDARY THAT ARE HAZARDOUS SUBSTANCES OR EXTREMELY HAZARDOUS SUBSTANCES OF ONE HUNDRED (100) POUNDS OR PETROLEUM THAT THE AMOUNT EXCEEDS FIFTY-FIVE (55) GALLONS.
- ANY SPILL FOR WHICH A SPILL RESPONSE HAS NOT BEEN DONE.

A SPILL OF ANY SIZE SHALL BE CONTAINED AND CLEANED UP IMMEDIATELY USING ACCEPTABLE METHODS ACCORDING TO THE TYPE OF MATERIAL SPILLED AND THE SURFACE THE SPILL OCCURRED ON.

STABLE CONSTRUCTION ENTRANCE AND CONCRETE WASHOUT NOTE:

CONTRACTOR SHALL PROVIDE A STABLE CONSTRUCTION ENTRANCE THAT IS CONVENIENT TO THE PROJECT SITE. THIS CONSTRUCTION ENTRANCE SHALL EITHER BE OF 12" X 50' AGGREGATE OR A MANUFACTURED TRACK-OFF DEVICE. THE CONSTRUCTION ENTRANCE SHALL PROVIDE PROTECTION AGAINST MUD AND SEDIMENT BEING TRACKED OFF THE CONSTRUCTION SITE ONTO ADJACENT PUBLIC OR PRIVATE PAVEMENT. IF MUD OR SEDIMENT IS TRACKED ON TO ADJACENT PAVED SURFACES, THE CONTRACTOR SHALL CLEAN THE SURFACES DAILY BY SCRAPING AND BRUSHING THE SEDIMENT OFF THE SURFACE AND RETURNING IT TO THE SOURCE LOCATION. THE SURFACE SHALL NOT BE CLEANED BY USE OF FLUSHING WITH WATER.

CONTRACTOR SHALL PROVIDE A CONCRETE WASHOUT AREA TO BE USED DURING THE CONSTRUCTION OF THE UTILITIES, SIDEWALKS AND BUILDING. THE CONCRETE WASHOUT STRUCTURE MAY BE CONSTRUCTED ON-SITE OR A MANUFACTURED DEVICE. PLACE THE CONCRETE WASHOUT STRUCTURE AN MINIMUM OF 50' FROM ANY STORM WATER INLET OR CATCH BASIN AND EXCESS CONCRETE REMOVED AT 50% OF THE DESIGN CAPACITY.

FUELING AREA AND VEHICLE AND EQUIPMENT MAINTENANCE / MATERIAL STORAGE NOTE:

**FUELING AREA:**

- ON-SITE VEHICLE AND EQUIPMENT FUELING SHALL ONLY BE USED WHERE IT IS IMPRACTICAL TO SEND VEHICLES AND EQUIPMENT OFF-SITE FOR FUELING.
- IF ON-SITE FUELING IS NECESSARY, CONTRACTOR SHALL DESIGNATE A DEDICATED AN AREA TO BE USED.
- CONTRACTOR SHALL SUPPLY, CLEARLY MARK, AND KEEP CLEAN-UP MATERIALS AND SPILL KITS AVAILABLE IN FUELING AREAS.
- CONTRACTOR SHALL USE DRIP PANS OR ABSORBENT PADS DURING VEHICLE AND EQUIPMENT FUELING UNLESS FUELING IS CONDUCTED IN A DESIGNATED AREA, OVER AN IMPERMEABLE CONTAINMENT AREA.
- FUELING AREAS SHALL BE ON LEVEL GRADE AND PROTECTED FROM STORM WATER RUN-ON AND RUN-OFF AND BE AT LEAST 100 FT FROM DOWNSTREAM DRAINAGE FACILITIES AND WATERCOURSES.
- CONTRACTOR SHALL USE FUELING NOZZLES WITH AUTOMATIC SHUT-OFFS. FUELING OPERATIONS SHALL NOT BE LEFT UNATTENDED.
- CONTRACTOR SHALL PROTECT FUELING AREAS WITH IMPERMEABLE BERMS AND OR DIKES TO PREVENT STORM WATER RUN-ON, RUN-OFF AND TO CONTAIN SPILLS.
- CONTRACTOR SHALL NOT "TOP-OFF" FUEL TANKS.
- CONTRACTOR SHALL INSPECT VEHICLES AND EQUIPMENT EACH DAY FOR LEAKS. IF LEAKS ARE FOUND, THEY MUST BE REPAIRED AND CLEANED-UP IMMEDIATELY AND/OR THE LEAKING VEHICLES OR EQUIPMENT REMOVED FROM THE PROJECT SITE.
- CONTRACTOR SHALL DISPOSE OF ANY USED ABSORBENT SPILL KIT MATERIALS AND ANY CONTAMINATED SOILS ACCORDING TO FEDERAL, STATE AND LOCAL REGULATIONS.

**VEHICLE AND EQUIPMENT MAINTENANCE / MATERIAL STORAGE AREA:**

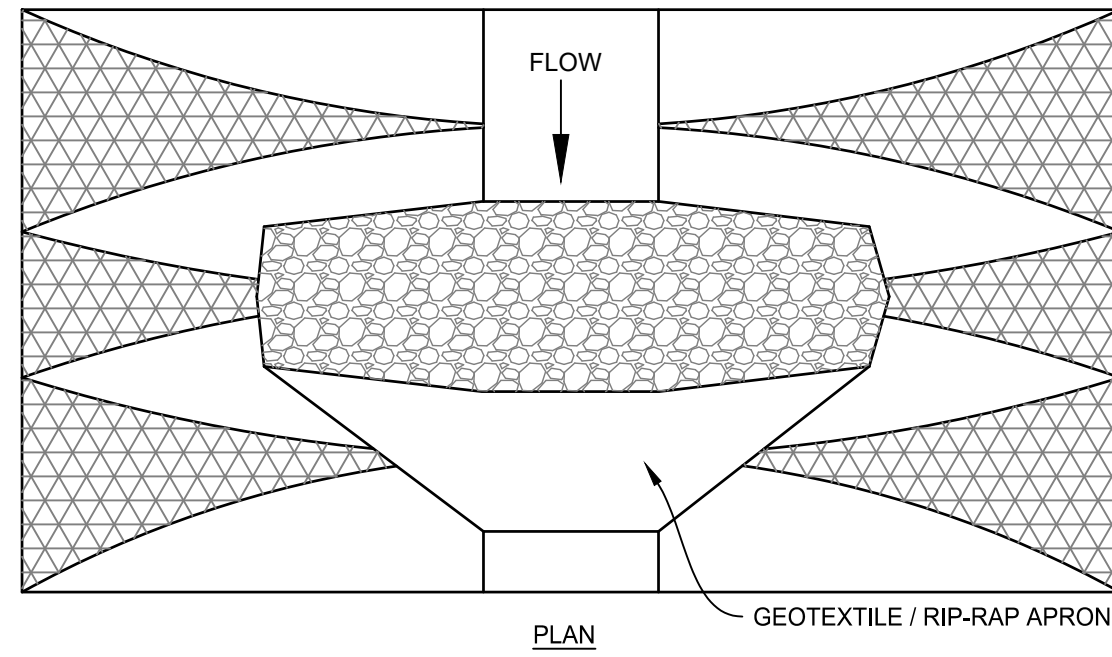
- CONTRACTOR SHALL DESIGNATE A DEDICATED AREA TO BE USED IF STORING MATERIALS, MAINTAINING OR STORING VEHICLES AND EQUIPMENT ON-SITE.
- STORAGE / MAINTENANCE AREAS SHALL BE ON LEVEL GRADE AND PROTECTED FROM STORM WATER RUN-ON AND RUN-OFF AND BE AT LEAST 100 FT FROM DOWNSTREAM DRAINAGE FACILITIES AND WATERCOURSES.
- CONTRACTOR SHALL USE DRIP PANS OR ABSORBENT PADS DURING VEHICLE AND EQUIPMENT MAINTENANCE UNLESS MAINTENANCE IS CONDUCTED IN A DESIGNATED AREA, OVER AN IMPERMEABLE CONTAINMENT AREA.
- CONTRACTOR SHALL SUPPLY, CLEARLY MARK, AND KEEP CLEAN-UP MATERIALS AND SPILL KITS AVAILABLE IN STORAGE / MAINTENANCE AREAS.
- CONTRACTOR SHALL PROTECT STORAGE / MAINTENANCE AREAS WITH IMPERMEABLE BERMS AND OR DIKES TO PREVENT STORM WATER RUN-ON, RUN-OFF AND TO CONTAIN SPILLS.
- CONTRACTOR SHALL PROVIDE IMPERMEABLE SPILL CONTAINMENT DIKES OR SECONDARY CONTAINMENT AROUND STORED OIL AND CHEMICAL DRUMS.
- CONTRACTOR SHALL DISPOSE OF ANY USED ABSORBENT SPILL KIT MATERIALS AND ANY CONTAMINATED SOILS ACCORDING TO FEDERAL, STATE AND LOCAL REGULATIONS.

Baer Rd.

Airport Expressway (Former Dalman Road)

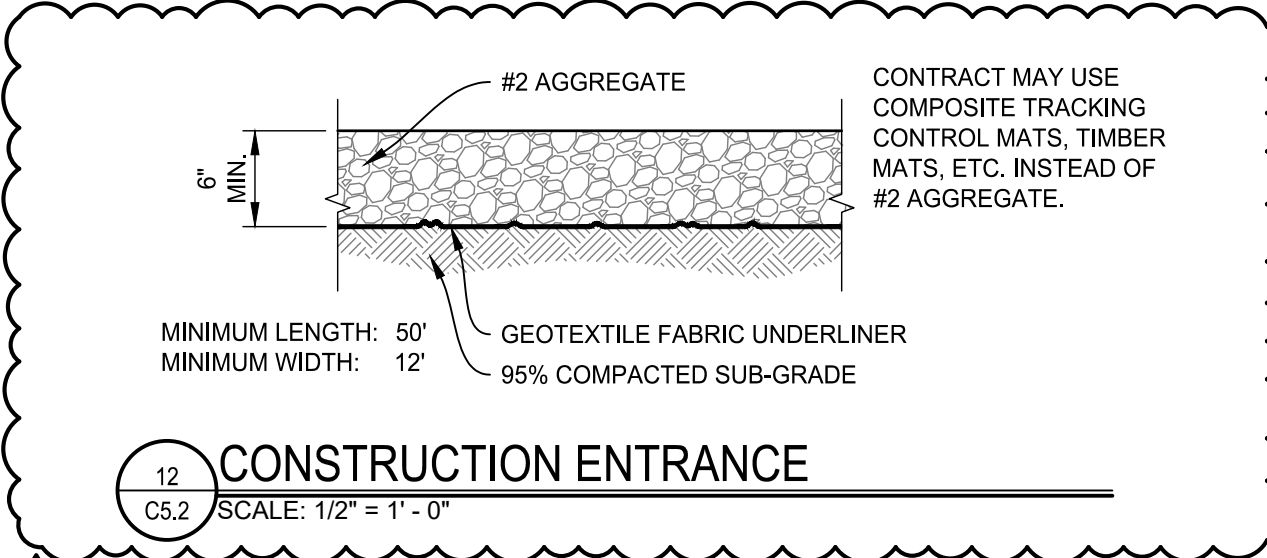
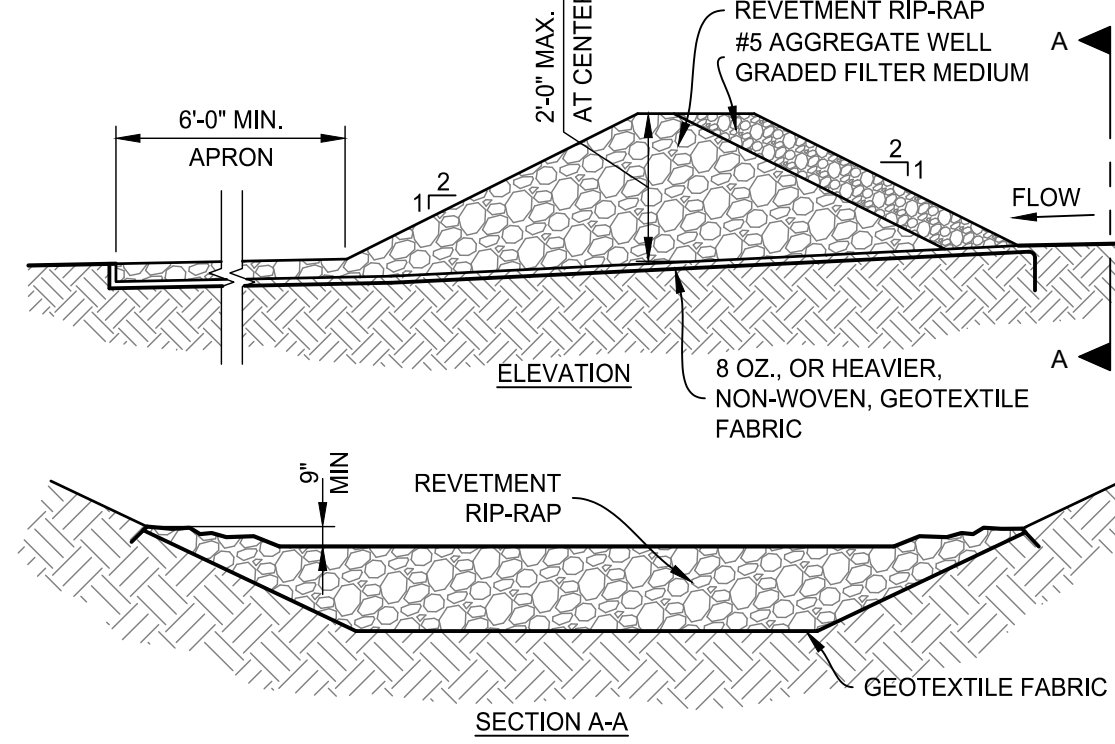
## SITE CONSTRUCTION EROSION CONTROL PLAN - EXPRESSWAY

SCALE: 1" = 30'



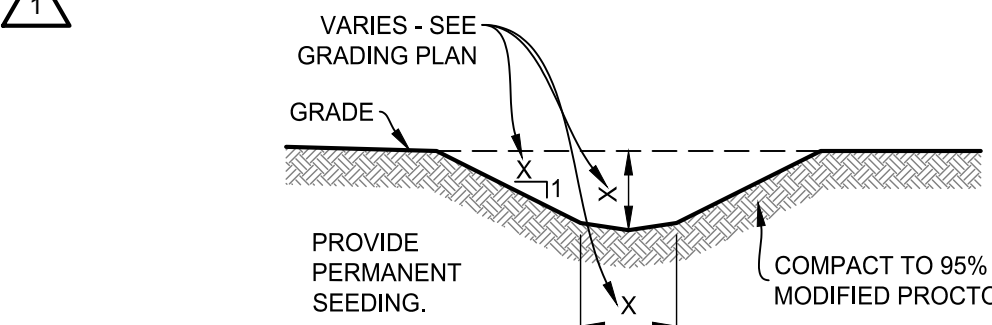
### 16 RIP-RAP DAM

SCALE: NONE



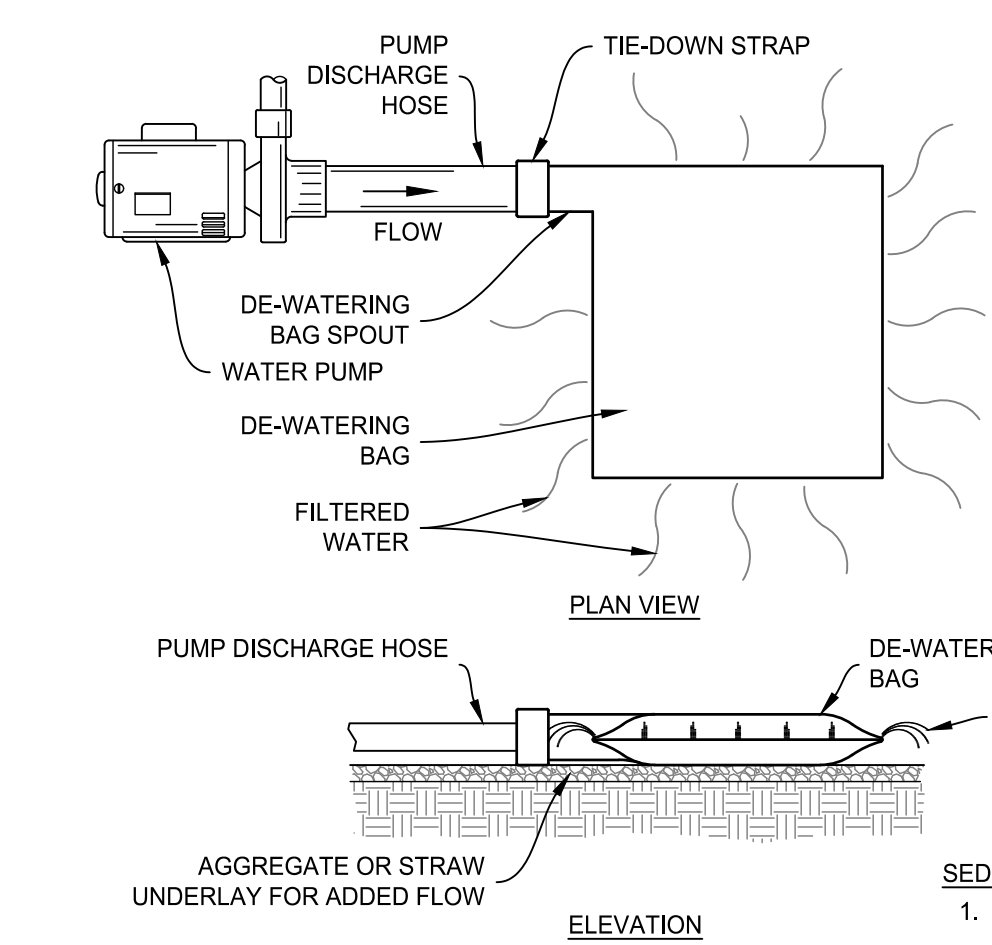
### 12 CONSTRUCTION ENTRANCE

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



### 11 VEGETATED SWALE

SCALE: NONE

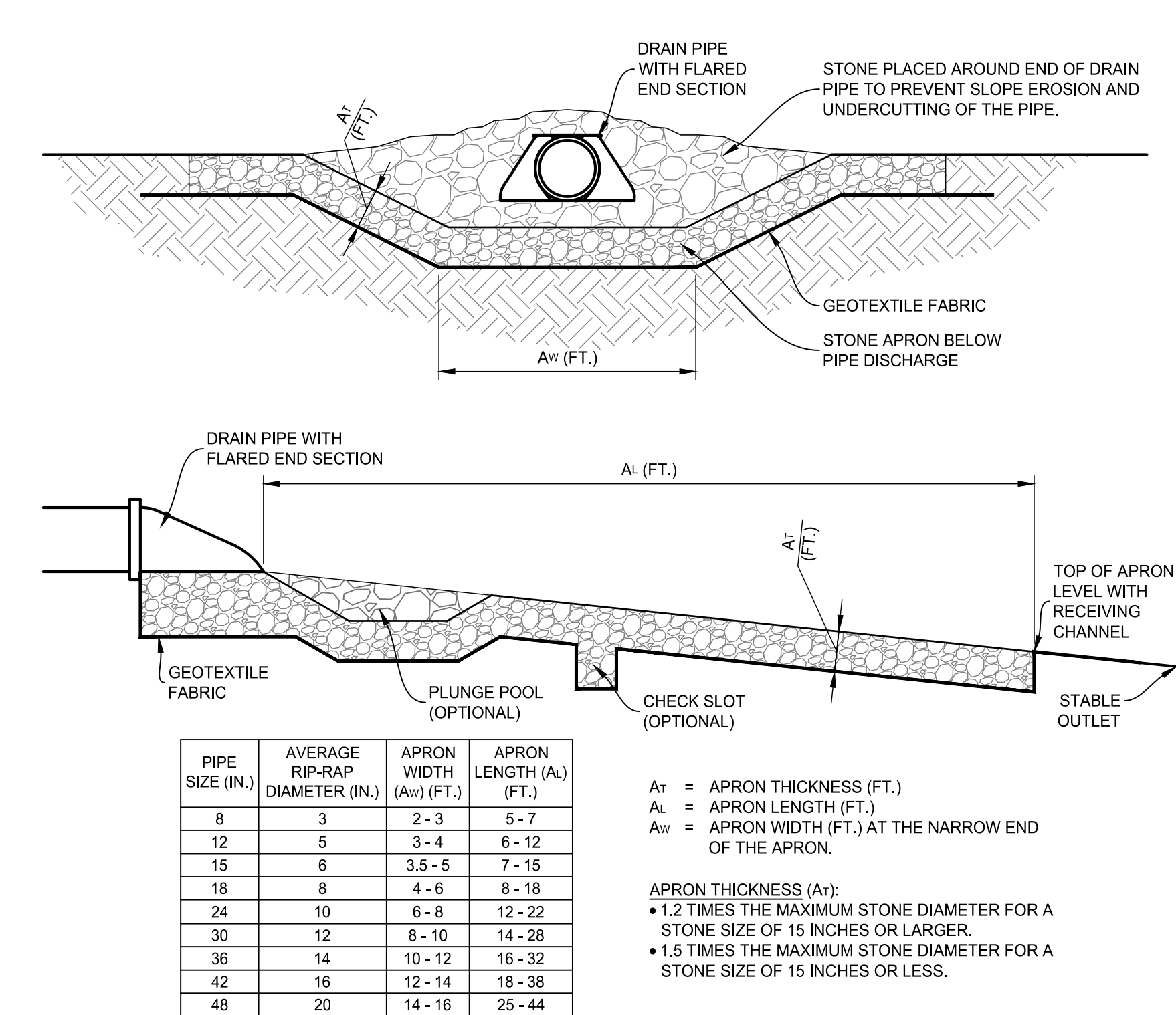


### SEDIMENT CONTROL DE-WATERING BAG

- CONTRACTOR SHALL USE PROPRIETY DEVICES PROVIDING A MINIMUM REMOVAL EFFICIENCY OF 80% OF TOTAL SUSPENDED SOLIDS (TSS) (DETAIL OF DANDY DE-WATERING BAG SHOWN).
- THE DEVICE SHALL BE MADE OF A NON-WOVEN FABRIC MEETING OR EXCEEDING THE MINIMUM REQUIREMENTS OF THE FOLLOWING TABLE AND BE CONSTRUCTED SPECIFICALLY FOR THE PURPOSES OF SEDIMENT CONTROL FROM DE-WATERING PIPES AND HOSES.
- REPLACE THE UNIT, OR EMPTY SEDIMENT, WHEN THE BAG IS HALF FULL OF SEDIMENT OR WHEN FLOW RATE IS GREATLY REDUCED.
- RE-SPREAD SEDIMENT FROM BAG ON-SITE, OR DISPOSE OF SEDIMENT IN ACCORDANCE TO LOCAL, STATE AND FEDERAL REQUIREMENTS.

### 10 DE-WATERING BAG

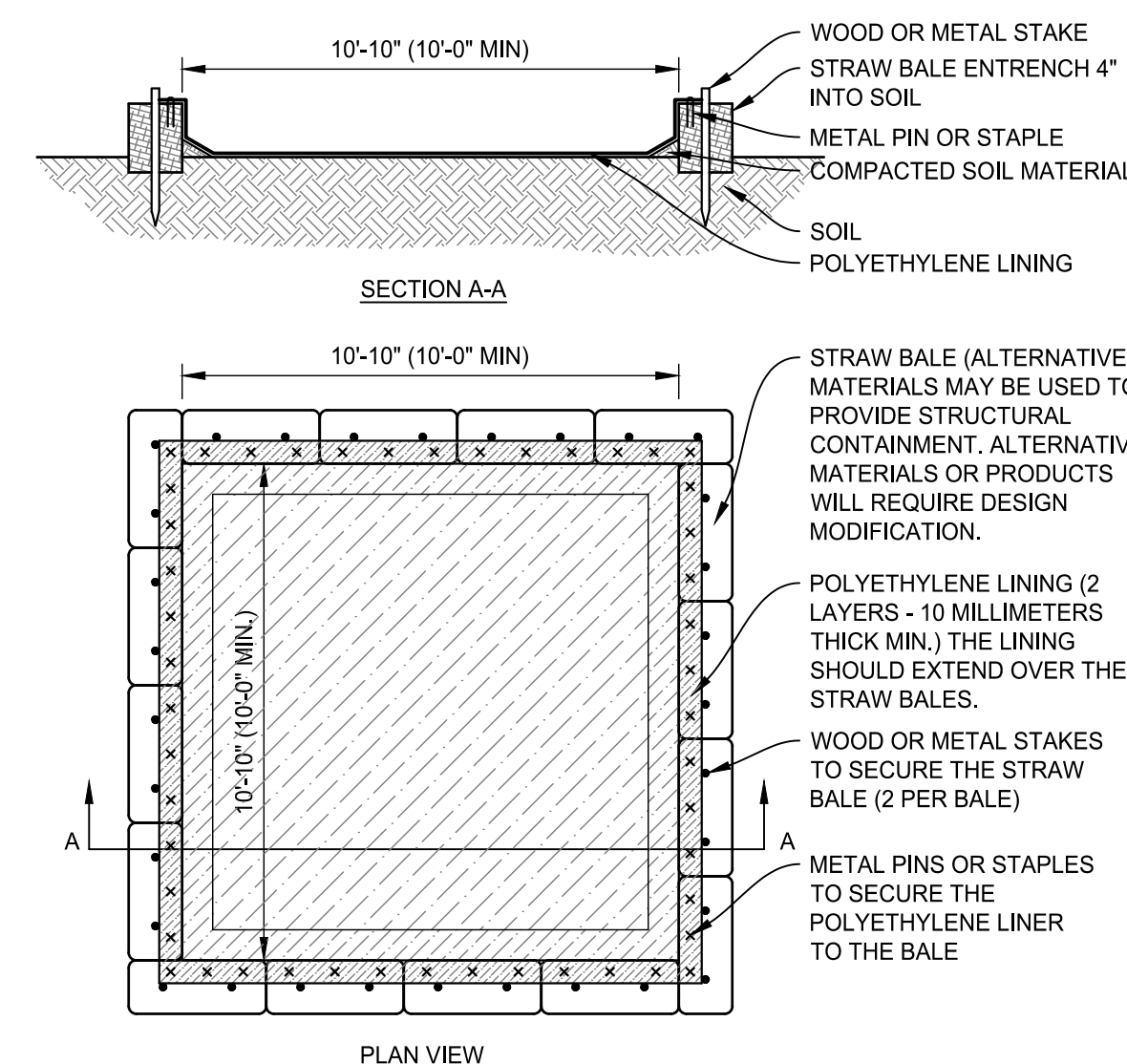
SCALE: NONE



| PIPE SIZE (IN.) | AVERAGE RIP-RAP DIAMETER (IN.) | APRON WIDTH (A <sub>W</sub> ) (FT.) | APRON LENGTH (A <sub>L</sub> ) (FT.) |
|-----------------|--------------------------------|-------------------------------------|--------------------------------------|
| 8               | 3                              | 2-3                                 | 5-7                                  |
| 12              | 5                              | 3-4                                 | 6-12                                 |
| 15              | 6                              | 3.5-5                               | 7-15                                 |
| 18              | 8                              | 4-6                                 | 8-18                                 |
| 24              | 10                             | 6-8                                 | 12-22                                |
| 30              | 12                             | 8-10                                | 14-28                                |
| 36              | 14                             | 10-12                               | 16-32                                |
| 42              | 16                             | 12-14                               | 18-38                                |
| 48              | 20                             | 14-16                               | 25-44                                |

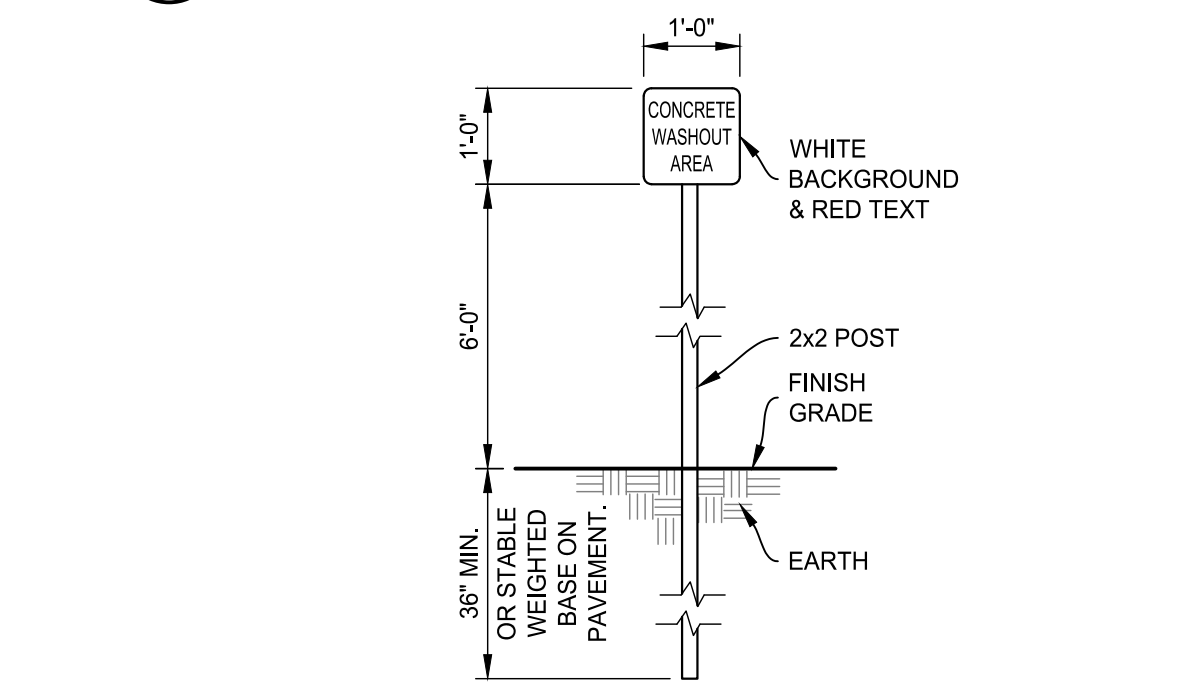
### 9 ENERGY DISSIPATER

SCALE: NONE



### 8 CONCRETE WASHOUT STRUCTURE

SCALE: 1/4" = 1'-0"



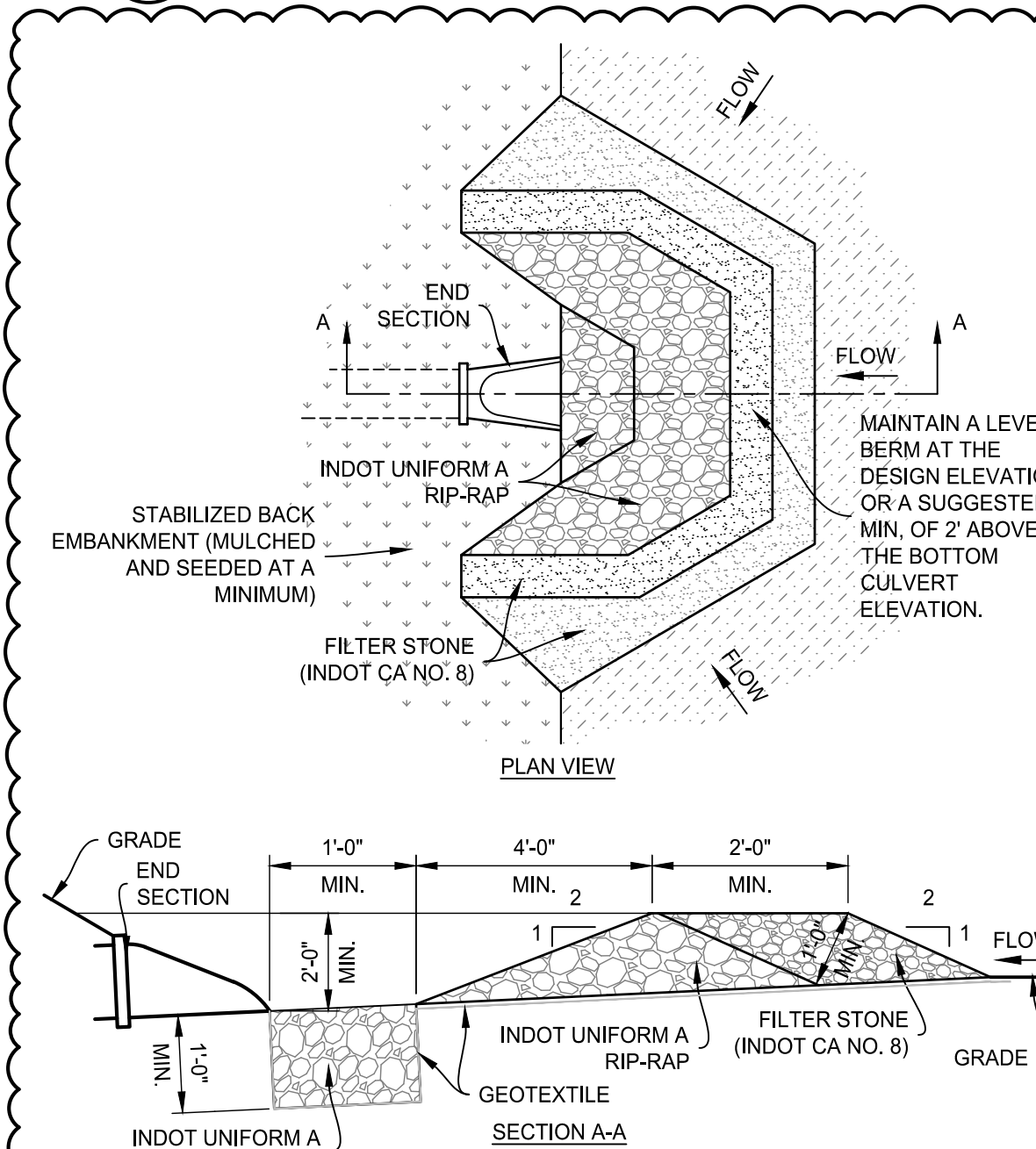
### 7 CONCRETE WASHOUT SIGN

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

- INSTALLATION:
- CONTRACTOR TO SELECT A 12-MONTH BIODEGRADABLE EROSION CONTROL BLANKET RATED FOR 3:1 TO 2:1 SLOPES.
  - INSTALL EROSION CONTROL MEASURES AND PRACTICES NEEDED TO CONTROL EROSION AND RUNOFF, SUCH AS TEMPORARY OR PERMANENT DIVERSION, SEDIMENT BASIN OR TRAP, AND SILT FENCE.
  - GRADE THE SITE AS SPECIFIED IN THE CONSTRUCTION PLAN.
  - ADD TOPSOIL WHERE APPROPRIATE.
  - PREPARE THE SEEDBED, FERTILIZE (AND LIME, IF NEEDED), AND SEED THE AREA IMMEDIATELY AFTER GRADING.
  - FOLLOWING MANUFACTURER'S DIRECTIONS, LAY THE BLANKETS ON THE SEEDBED AREA SUCH THAT THEY ARE IN CONTINUOUS CONTACT WITH THE SOIL AND THAT THE UPSLOPE OR UPSTREAM ONES OVERLAP THE LOWER ONES BY AT LEAST 8 INCHES.
  - TUCK THE UPPERMOST EDGE OF THE UPPER BLANKETS INTO A CHECK SLOT (SILT TRENCH), BACKFILL WITH SOIL AND TAMP DOWN.
  - ANCHOR THE BLANKETS AS SPECIFIED BY THE MANUFACTURER, THIS TYPICALLY INVOLVES DRIVING 6" TO 8" METAL STAPLES INTO THE GROUND IN A PATTERN DETERMINED BY THE SITE CONDITIONS AND TYPE OF EROSION CONTROL BLANKET.

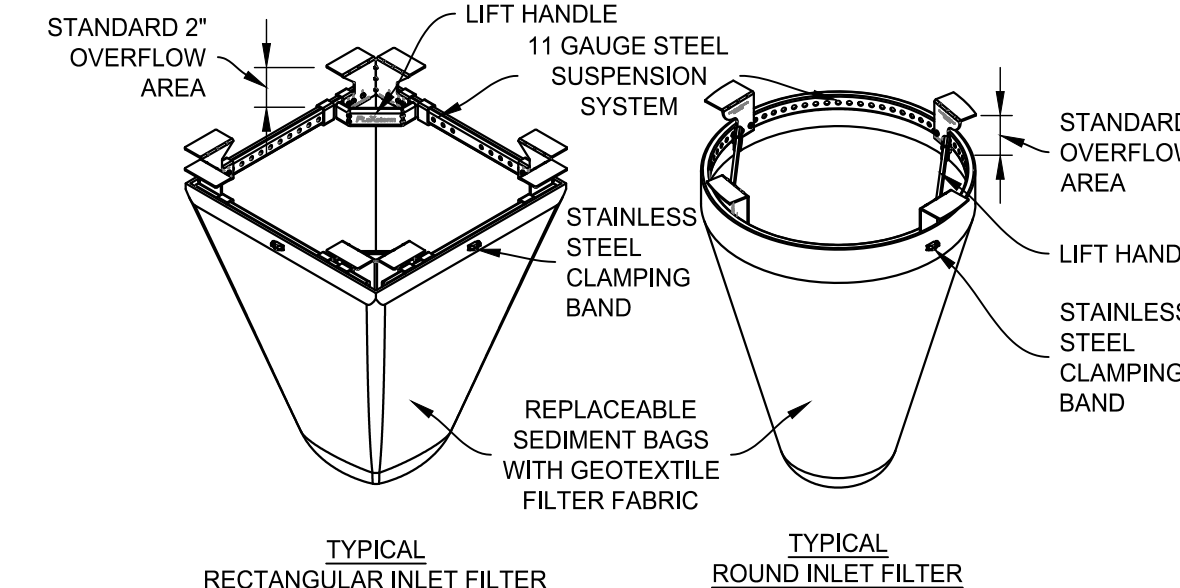
### 6 EROSION CONTROL BLANKET

SCALE: NONE



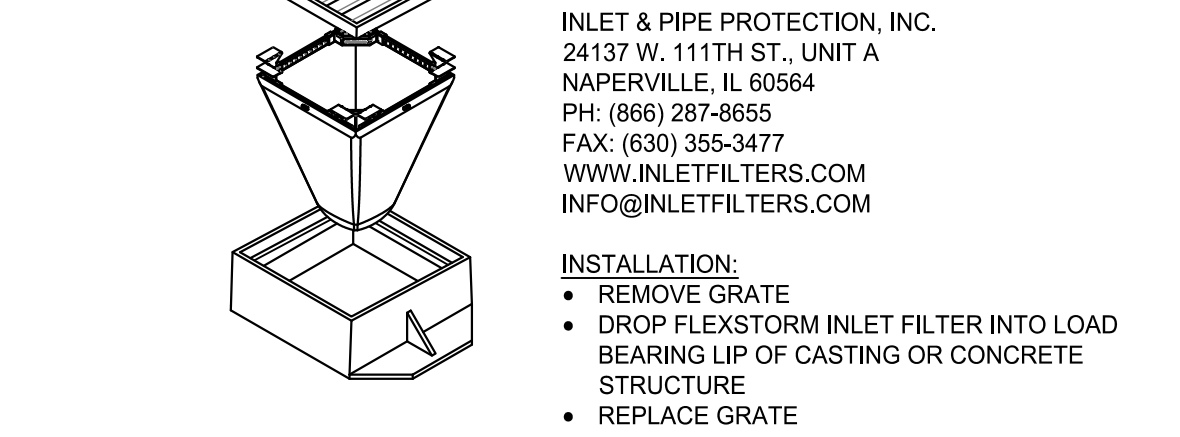
### 5 END SECTION INLET PROTECTION

SCALE: NONE



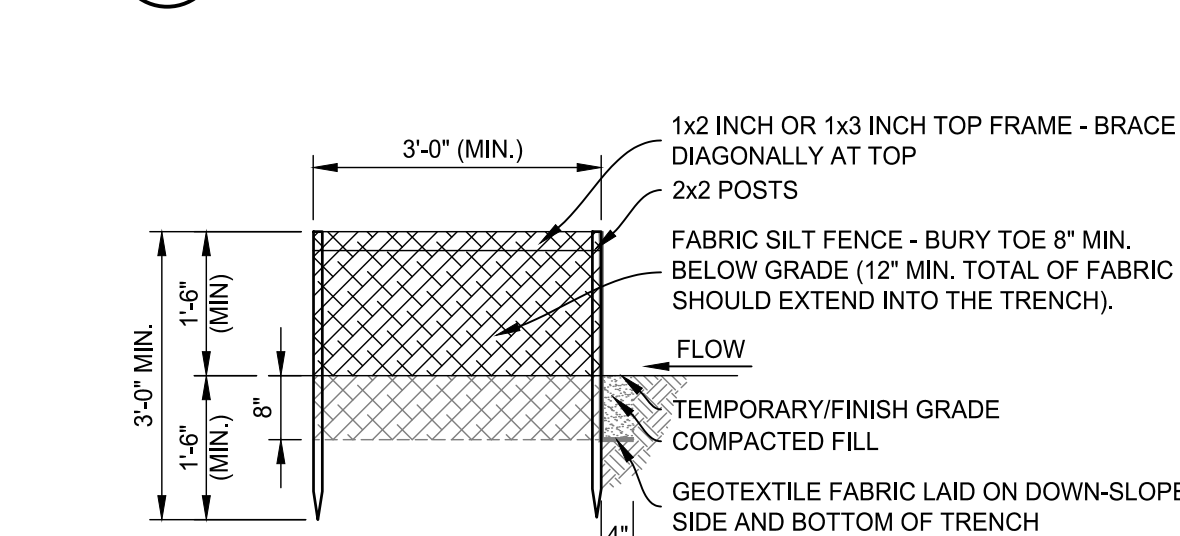
### 4 PAVEMENT INLET PROTECTION

SCALE: NONE



### 3 YARD INLET PROTECTION

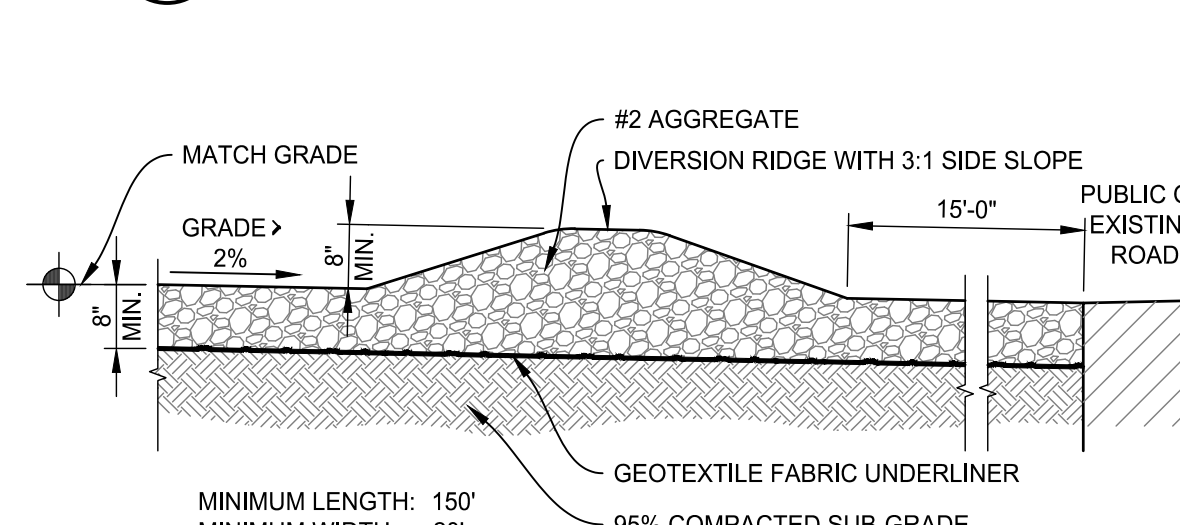
SCALE: 1/2" = 1'-0"



- SPECIFICATIONS:
- INSPECT THE FABRIC BARRIER AFTER STORM EVENTS, AND MAKE NEEDED REPAIRS IMMEDIATELY.
  - REMOVE SEDIMENT FROM THE POOL AREA TO PROVIDE STORAGE FOR THE NEXT STORM. AVOID DAMAGING OR UNDERCUTTING THE FABRIC DURING SEDIMENT REMOVAL.
  - REMOVE AND PROPERLY DISPOSE OF ALL CONSTRUCTION MATERIAL AND SEDIMENT WHEN THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED. GRADE THE AREA TO THE ELEVATION OF THE TOP OF THE INLET, THEN STABILIZE.

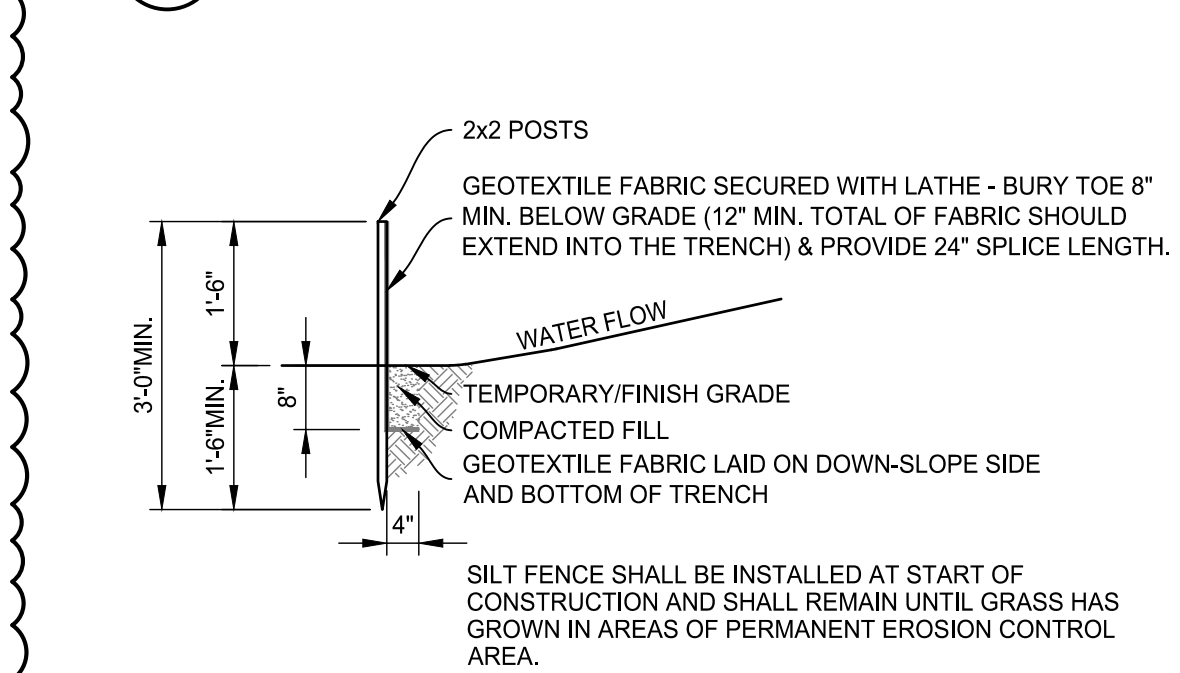
### 2 CONSTRUCTION ENTRANCE

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

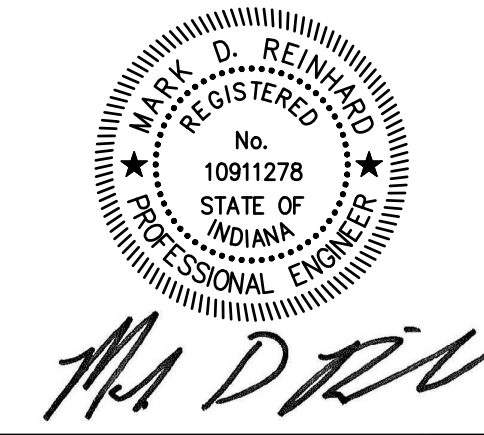


### 1 SILT FENCE

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



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



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FLEXSTORM DISTRIBUTED BY: ADS AND MANUFACTURED BY:  
INLET & PIPE PROTECTION, INC.  
24137 W. 111TH ST., UNIT A  
NAPERVILLE, IL 60564  
PH: (888) 287-8655  
FAX: (630) 355-3477  
WWW.INLETFILTERS.COM  
INFO@INLETFILTERS.COM

- INSTALLATION:
- REMOVE GRATE
  - DROP FLEXSTORM INLET FILTER INTO LOAD BEARING LIP OF CASTING OR CONCRETE STRUCTURE
  - REPLACE GRATE

## Fort Wayne Airport Ardmore Development



ERI PROJECT NUMBER: 6277

ISSUE DATE: 04.29.2025

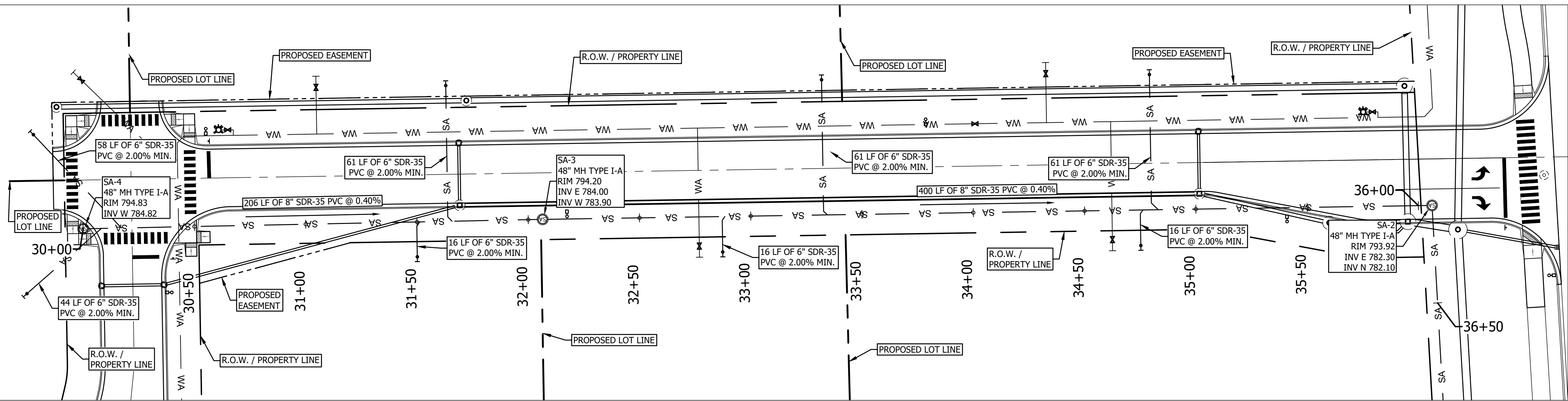
CONSTRUCTION DOCUMENTS

| REVISIONS |         |             |
|-----------|---------|-------------|
| NO.       | DATE    | DESCRIPTION |
| 1         | 5/30/25 | ADDENDUM #2 |

## SITE EROSION CONTROL DETAILS

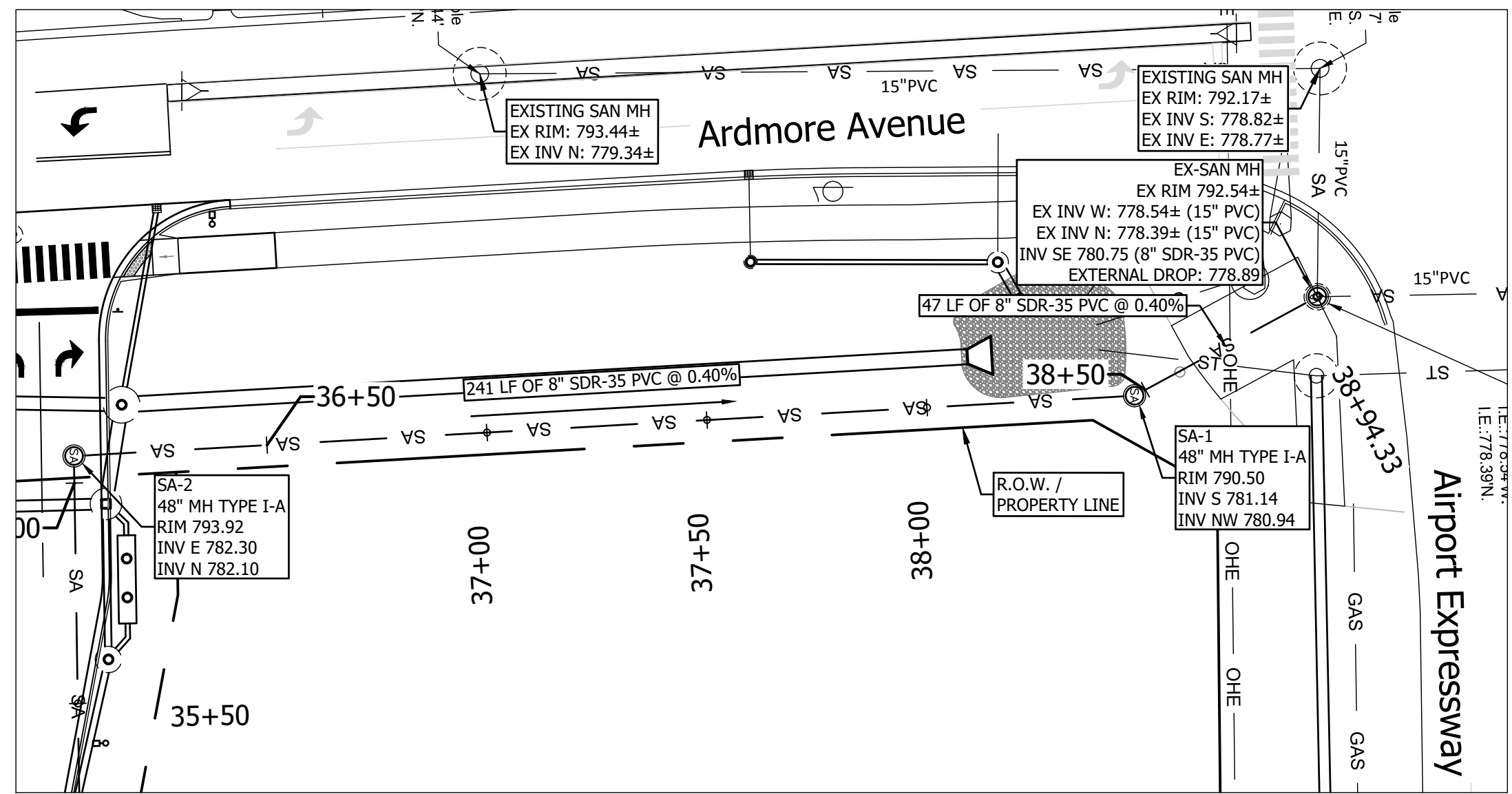
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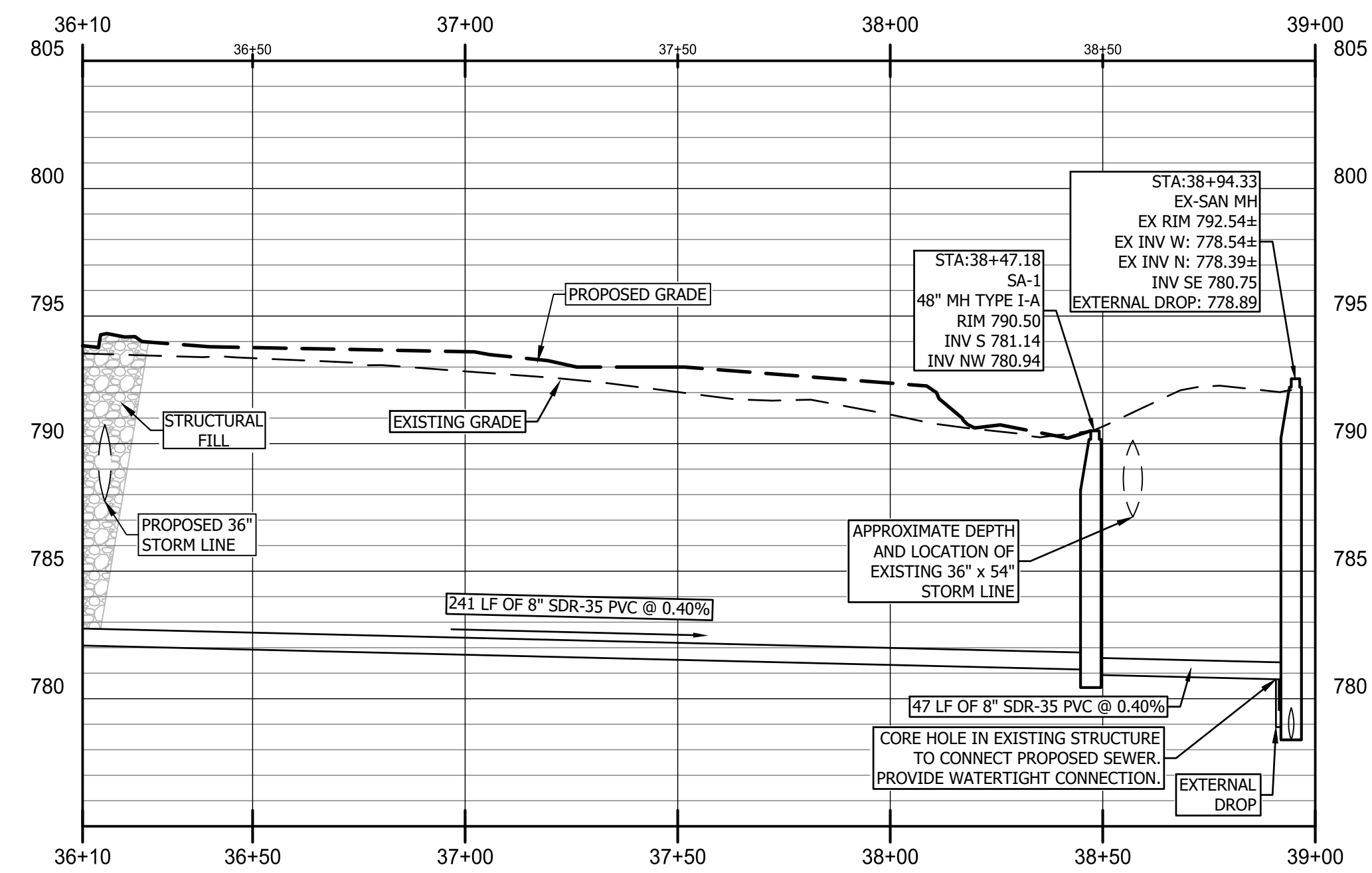
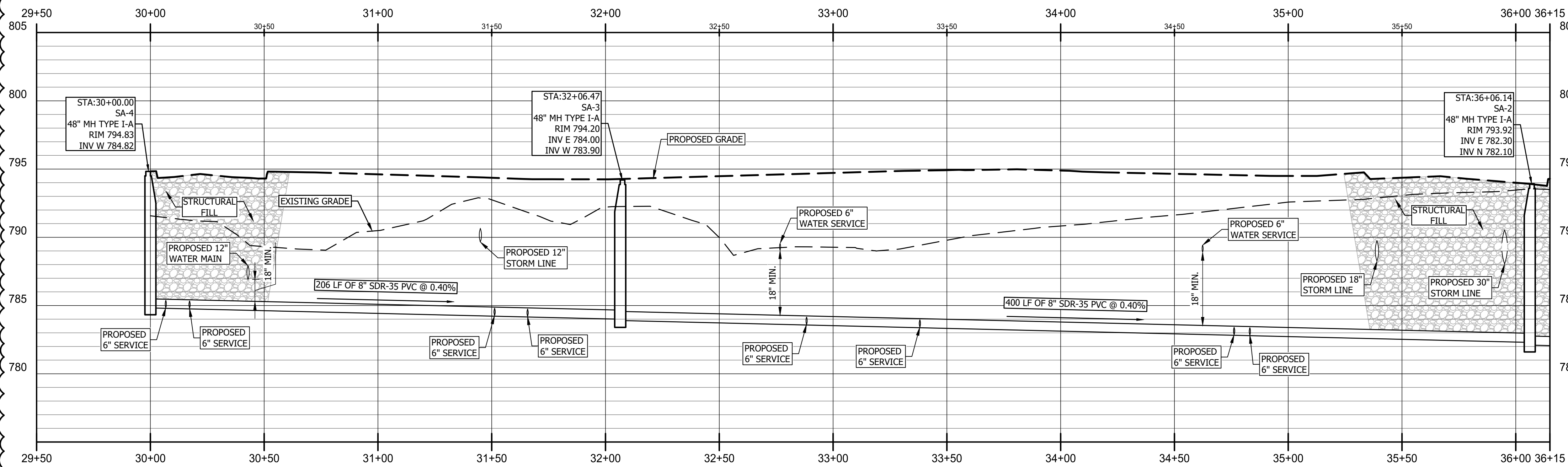
**EAST WEST SANITARY PLAN VIEW**

SCALE: 1" = 30'



**NORTH SOUTH SANITARY PLAN VIEW**

SCALE: 1" = 30'



### 8" Sanitary [East-West] - PROFILE

HORIZONTAL SCALE: 1" = 30' VERTICAL SCALE: 1" = 5'

#### PROPOSED LEGEND:

|  |                       |  |                        |
|--|-----------------------|--|------------------------|
|  | STORM INLET / MANHOLE |  | STORM SEWER            |
|  | STORM END SECTION     |  | SANITARY SEWER         |
|  | SANITARY MANHOLE      |  | WATER LINE             |
|  | SANITARY CLEANOUT     |  | LOT LINE               |
|  | GATE VALVE            |  | R.O.W. / PROPERTY LINE |
|  |                       |  | EASEMENT LINE          |

#### FIRM MAP:

- PANEL: 293 OF 495
- MAP NUMBER: 18003C0293G
- MAP REVISED: AUGUST 3, 2009
- ZONE: X
- FLOOD INSURANCE STUDY: AUGUST 3, 2009

#### CITY OF FORT WAYNE SANITARY SEWER NOTES:

- ALL MATERIALS AND WORKMANSHIP SHALL MEET THE CITY OF FORT WAYNE DESIGN STANDARDS MANUAL AND TITLE 327 OF THE INDIANA ADMINISTRATION CODE, ARTICLE 3 (STATE CODE), LATEST VERSION.
- ALL PERMITS REQUIRED FOR THE EXECUTION OF THE WORK SHALL BE OBTAINED AND ALL APPLICABLE FEES PAID FOR BY THE CONTRACTOR OR DEVELOPER TO CITY UTILITIES PRIOR TO COMMENCEMENT OF WORK UNLESS OTHERWISE APPROVED BY CITY UTILITIES.
- AS-BUILT DRAWINGS (1 SET) TO BE PROVIDED TO CITY OF FORT WAYNE UPON COMPLETION OF SANITARY SEWER.
- INSPECTION BY CITY REPRESENTATIVE MUST BE PROVIDED FOR ALL SEWER CONSTRUCTION AND PAID FOR BY THE CONTRACTOR OR DEVELOPER. CONTRACTOR MUST NOTIFY CITY UTILITIES 48 HOURS PRIOR TO START OF CONSTRUCTION.
- PIPE BEDDING - CLASS "F" FOR FLEXIBLE PIPE SHALL BE BEDDED IN GRANULAR FILL, WHICH SHALL BE CARRIED 12 INCHES ABOVE THE TOP OF THE PIPE. ALL BEDDING, HAUNCHING AND INITIAL BACKFILL SHALL BE CRUSHED AGGREGATE INDOT #5, #8 OR #9.
- ALL SEWER TRENCHES WITHIN THE ROAD RIGHT-OF-WAY, UNDER PARKING LOTS, DRIVES, SIDEWALKS AND EXISTING PIPES SHALL BE BACKFILLED WITH INDOT #53, #73 CRUSHED STONE, COMPACTED TO 95% MODIFIED PROCTOR DENSITY, UNLESS OTHERWISE NOTED.
- ALL GRAVITY SANITARY SEWER MAINS TO BE PVC CONFORMING TO ASTM D3034, UNLESS NOTED OTHERWISE.
- ALL SANITARY SEWER JOINTS SHALL BE GASKETED "PUSH ON TYPE" WITH A CONFINED ELASTOMETRIC SEAL (RUBBER GASKET). JOINT TO CONFORM WITH ASTM D3212 AND SEAL TO CONFORM WITH JOINTS ASTM F477.
- ALL MANHOLES TO BE 48-INCH DIAMETER PRECAST REINFORCED CONCRETE, UNLESS NOTED OTHERWISE.
- ALL PRE-CAST CONCRETE MANHOLE COMPONENTS (CONES, ADJUSTING RINGS, SECTIONS, ETC.) SHALL CONFORM TO ASTM SPECIFICATION C478.
- ALL MANHOLE FRAMES TO BE NEEHAH R-1772 WITH "SANITARY" LETTERED, SOLID LID OR EAST JORDAN 102221 WITH 1020AHOGS "SANITARY SEWER" LETTERED, SOLID LID, UNLESS OTHERWISE NOTED.
- SEWER TO WATER MAIN SEPARATION DISTANCES SHALL CONFORM TO THE RECOMMENDED STANDARDS FOR 322 IAC 3-6-9, LATEST VERSION. CROSSINGS: SEWERS CROSSING WATER MAINS SHALL BE LAID TO PROVIDE A MINIMUM VERTICAL DISTANCE OF 18" BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF THE SEWER. THIS SHALL BE THE CASE WHERE THE WATER MAIN IS EITHER ABOVE OR BELOW THE SEWER. WHEN IT IS IMPOSSIBLE TO OBTAIN THE PROPER HORIZONTAL AND VERTICAL SEPARATION ONE OF THE FOLLOWING METHODS MUST BE SPECIFIED:
  - A) THE SEWER SHALL BE DESIGNED AND CONSTRUCTED EQUAL TO WATER PIPE, AND SHALL BE PRESSURE TESTED AT 150 PSI TO ASSURE WATERTIGHTNESS.
  - B) EITHER THE WATER MAIN OR THE SEWER LINE MAY BE ENCASED IN A WATERTIGHT CARRIER PIPE WHICH EXTENDS 10 FEET ON BOTH SIDES OF THE CROSSING, MEASURED PERPENDICULAR TO THE WATER MAIN. THE CARRIER PIPE SHALL BE OF THE MATERIALS APPROVED BY CITY UTILITIES FOR USE OF WATER MAIN CONSTRUCTION.

HORIZONTAL AND VERTICAL SEPARATION: A 10 FOOT HORIZONTAL DISTANCE EDGE TO EDGE SHALL BE MAINTAINED BETWEEN SANITARY SEWER AND EXISTING OR PROPOSED WATER MAIN. FOR GRAVITY SEWERS WHERE IT IS NOT PRACTICAL TO MAINTAIN A 10 FOOT SEPARATION A DEVIATION MAY BE ALLOWED ON A CASE-BY-CASE BASIS. SUCH DEVIATION MAY ALLOW THE INSTALLATION OF THE GRAVITY SEWER CLOSER TO A WATER MAIN, PROVIDED THAT THE WATER MAIN IS IN A SEPARATE TRENCH OR ON AN UNDISTURBED EARTH SHELF LOCATED ON ONE SIDE OF THE GRAVITY SEWER AND AT AN ELEVATION SO THE BOTTOM OF THE WATER MAIN IS AT LEAST 18 INCHES ABOVE THE TOP OF THE SEWER. IF IT IS IMPOSSIBLE TO OBTAIN PROPER HORIZONTAL AND VERTICAL SEPARATION FOR GRAVITY SEWERS, BOTH THE WATER MAIN AND GRAVITY SEWER MUST BE CONSTRUCTED OF SLIP-ON OR MECHANICAL JOINT PIPE COMPLYING WITH CITY UTILITIES DESIGN STANDARDS AND BE PRESSURE TESTED TO 150 PSI TO ASSURE WATERTIGHTNESS.

13. ANY EXISTING PIPE OR TILE(S), WHICH ARE CUT OR DAMAGED DURING CONSTRUCTION, SHALL BE REPLACED WITH EQUAL OR BETTER MATERIALS AND CONSTRUCTION METHODS.

### 8" Sanitary [North-South] - PROFILE

HORIZONTAL SCALE: 1" = 30' VERTICAL SCALE: 1" = 5'

- ANY PAVEMENT OR IMPROVED ROAD SURFACE OR SIDEWALK CUT DURING CONSTRUCTION SHALL BE REPLACED WITH EQUAL OR BETTER MATERIALS AND CONSTRUCTION METHODS.
- ALL GRASSED AREAS WHICH ARE DISTURBED DURING THE COURSE OF CONSTRUCTION, SHALL BE SEEDED WITH COMPARABLE GRASS SEED AND COVERED WITH STRAW. WATER SHALL BE APPLIED AS REQUIRED TO ASSURE GROWTH.
- ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE REGRADED TO THE ORIGINAL CONTOURS PRIOR TO COMPLETION OF THE PROJECT.
- VERTICAL DEFLECTION TEST (MANDREL TEST) SHALL BE PERFORMED ON ALL FLEXIBLE PIPE AFTER THE FINAL BACKFILL HAS BEEN IN PLACE AT LEAST 30 DAYS. NO PIPE SHALL EXCEED A VERTICAL DEFLECTION OF 5% ACTUAL INSIDE DIAMETER (AS LISTED IN ASTM STANDARDS). DEFLECTION TEST RESULTS SHALL BE SUBMITTED WITH THE INFILTRATION/EXFILTRATION TEST RESULTS. THE FOLLOWING ARE CONSIDERED FLEXIBLE PIPES: DIP, PVC, HDPE, PP AND FRP.
- ALL MANHOLES SHALL BE AIR TESTED IN ACCORDANCE WITH ASTM C1244, STANDARD TEST METHOD FOR CONCRETE SEWER MANHOLES BY NEGATIVE AIR PRESSURE (VACUUM TEST).
- LOW PRESSURE AIR TEST FOR GRAVITY SEWER SHALL CONFORM TO ASTM F1417, STANDARD TEST METHOD FOR INSTALLATION ACCEPTANCE OF PLASTIC GRAVITY SEWER LINES USING LOW-PRESSURE AIR, FOR PLASTIC PIPE.
- THE FORCE MAIN, OR SECTIONS, THEREOF, SHALL BE TESTED BY THE CONTRACTOR IN THE PRESENCE OF THE CITY'S REPRESENTATIVE AND ALL LEAKS SHALL BE MADE TIGHT TO MEET THE REQUIREMENTS BELOW. THE CONTRACTOR SHALL FURNISH ALL PIPE, BULKHEADS, TAPS, PUMPS, GAUGES, AND OTHER EQUIPMENT REQUIRED TO CARRY OUT THE TESTS, USING WATER FROM CITY WATER MAINS. THE SECTION OF MAIN TO BE TESTED SHALL BE FILLED WITH WATER AND THE ENTRAINED AIR WITHIN THE PIPE REMOVED OR ABSORBED. THE FOLLOWING TEST METHODS SHALL BE USED BASED ON THE FOLLOWING PIPE MATERIAL.
  - A) DI AND PVC PRESSURE PIPE: ADD FLUID AS REQUIRED TO PRESSURIZE LINE TO 150 PSI. MAINTAIN TEST PRESSURE FOR A STABILIZATION PERIOD OF 10 MINUTES BEFORE BEGINNING TEST. TIMED TEST PERIOD SHALL NOT BEGIN UNTIL AFTER PIPE HAS BEEN FILLED, AIR HAS BEEN EXPELLED, AND PRESSURE STABILIZED. AFTER STABILIZATION PERIOD, MAINTAIN TEST PRESSURE FOR AT LEAST 2 HOURS. DURING TIMED TESTING, ADD FLUID AS REQUIRED TO MAINTAIN PRESSURE WITHIN 5 PSIG OF REQUIRED TEST PRESSURE. PUMP FROM TEST CONTAINER TO MAINTAIN TEST PRESSURE. MEASURE VOLUME OF WATER PUMPED FROM TEST CONTAINER AND RECORD ON TEST REPORT. RECORD PRESSURE AT TEST PUMP AT 15 MINUTE INTERVALS FOR DURATION OF TEST.
  - B) HDPE PRESSURE PIPE: AFTER FILLING PIPELINE AND PURGING AIR, GRADUALLY PRESSURIZE PIPE TO 150 PSI AND MAINTAIN REQUIRED TEST PRESSURE FOR 4 HOURS FOR PIPE TO EXPAND. DURING EXPANSION, ADD FLUID TO MAINTAIN REQUIRED TEST PRESSURE. BEGIN TIMED TEST AFTER EXPANSION PERIOD AND OTHER REQUIREMENTS ARE MET. TIMED TEST PERIOD SHALL NOT BEGIN UNTIL AFTER PIPE HAS BEEN FILLED, EXPOSED TO REQUIRED WETTING PERIOD, AIR HAS BEEN EXPELLED, AND PRESSURE STABILIZED. AFTER 4-HOUR EXPANSION PHASE, REDUCE TEST PRESSURE BY 10 PSIG AND DO NOT ADD LIQUID. TEST PRESSURE SHALL THEN REMAIN STEADY FOR 1 HOUR, INDICATING NO LEAKAGE. IF NO VISIBLE LEAKAGE IS OBSERVED AND PRESSURE REMAIN WITHIN 5% OF THE ORIGINAL TEST PRESSURE FOR 1 HOUR, A PASSING TEST IS INDICATED.
- HDPE PRESSURE PIPE MINIMUM WALL THICKNESS FOR SANITARY SEWER APPLICATIONS IS DR11, SIZES ARE BASED ON DIP SIZE. PIPE AND JOINTS/CONNECTIONS TO BE RATED FOR A MINIMUM OF 160 PSI. PIPE SIZE 4 INCH AND LARGER.
- HDPE PRESSURE PIPE MINIMUM WALL THICKNESS FOR SANITARY SEWER APPLICATIONS IS DR9, SIZES ARE BASED ON IPS SIZE. PIPE AND JOINTS/CONNECTIONS TO BE RATED FOR A MINIMUM OF 200 PSI. PIPE SIZE LESS THAN 4 INCH.
- HDPE PRESSURE PIPE MATERIAL DESIGNATION - PIPE MATERIAL USED FOR THE MANUFACTURE OF HDPE SHALL BE EXTRA HIGH MOLECULAR WEIGHT, HIGH DENSITY ETHYLENE/HEXANE COPOLYMER PE 4710 POLYETHYLENE RESIN MEETING THE REQUIREMENTS OF ASTM D3350 WITH A CELL CLASSIFICATION OF PE 455574C.
- HDPE PRESSURE PIPE JOINTS - ALL JOINTS MUST BE BUTT-FUSED OR JOINTED WITH ELECTROFUSION COUPLINGS. MECHANICAL JOINTS AND COUPLINGS ARE PROHIBITED.
- FORCE MAIN TRACING WIRE TO BE #10 OR STRONGER HIGH STRENGTH, COPPER CLAD STEEL REINFORCED, HDPE INSULATED TRACING WIRE WITH 21% CONDUCTIVITY FOR LOCATING PURPOSES AND A MINIMUM BREAK LOAD OF 600 LBS. TRACING WIRE INSULATION SHALL BE GREEN. USE A DRYDOWN DIRECT BURY LUG TO CONNECT MAINLINE TRACING WIRE TO SERVICE LINE TRACING WIRE AND SPLICE TRACING WIRE. TRACING WIRE IS USED ON ALL FORCE MAINS REGARDLESS OF DIAMETER.
- CONTINUITY TESTING OF THE TRACING WIRE ON FORCE MAINS SHALL BE PERFORMED BY THE CONTRACTOR IN THE PRESENCE OF THE CITY'S REPRESENTATIVE. CONTINUITY TESTING SHALL BE PERFORMED USING A DIRECT-CONNECT SIGNAL GENERATING DEVICE AND SCHOENSTEDT OR EQUIVALENT UNDERGROUND PIPE LOCATING EQUIPMENT ALONG MAINS. BREAKS IN CONDUCTIVITY SHALL BE REPAIRED AND THE WIRE RE-TESTED UNTIL TRACING WIRE PASSES TEST.

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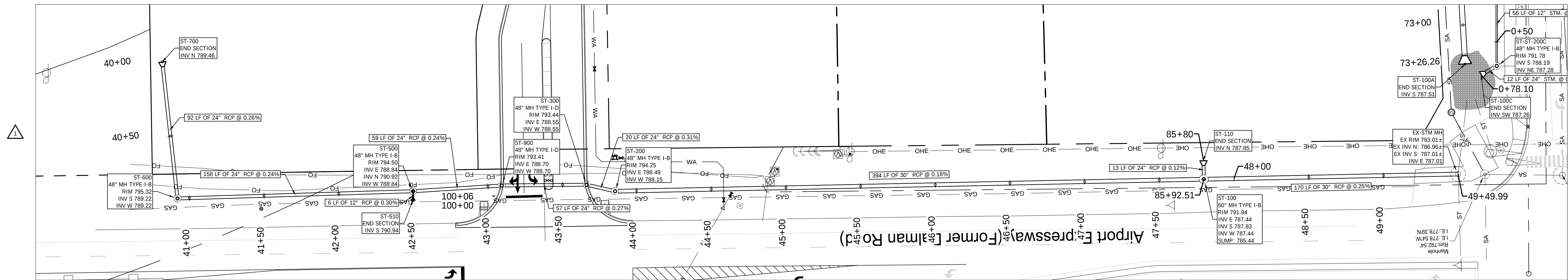
CONSTRUCTION DOCUMENTS

| REVISIONS |         |             |
|-----------|---------|-------------|
| NO.       | DATE    | DESCRIPTION |
| 1         | 5/30/25 | ADDENDUM #2 |

**SANITARY PLAN AND  
PROFILES**

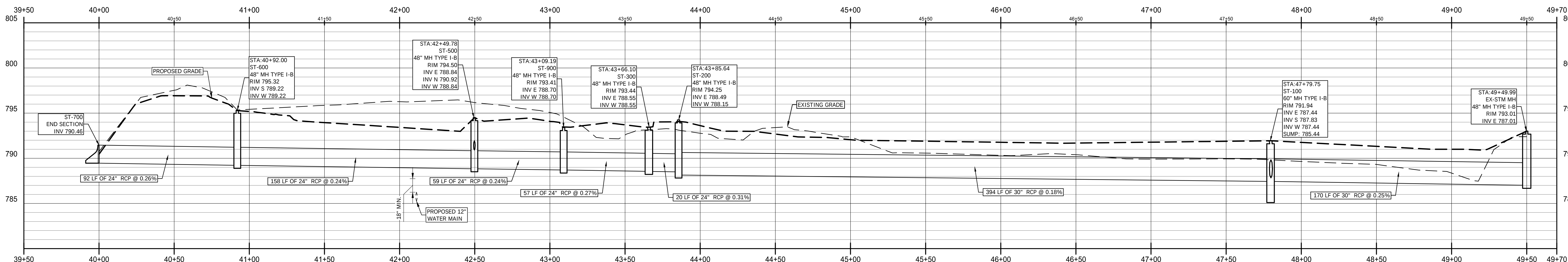
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NORTH STORM SYSTEM PLAN VIEW

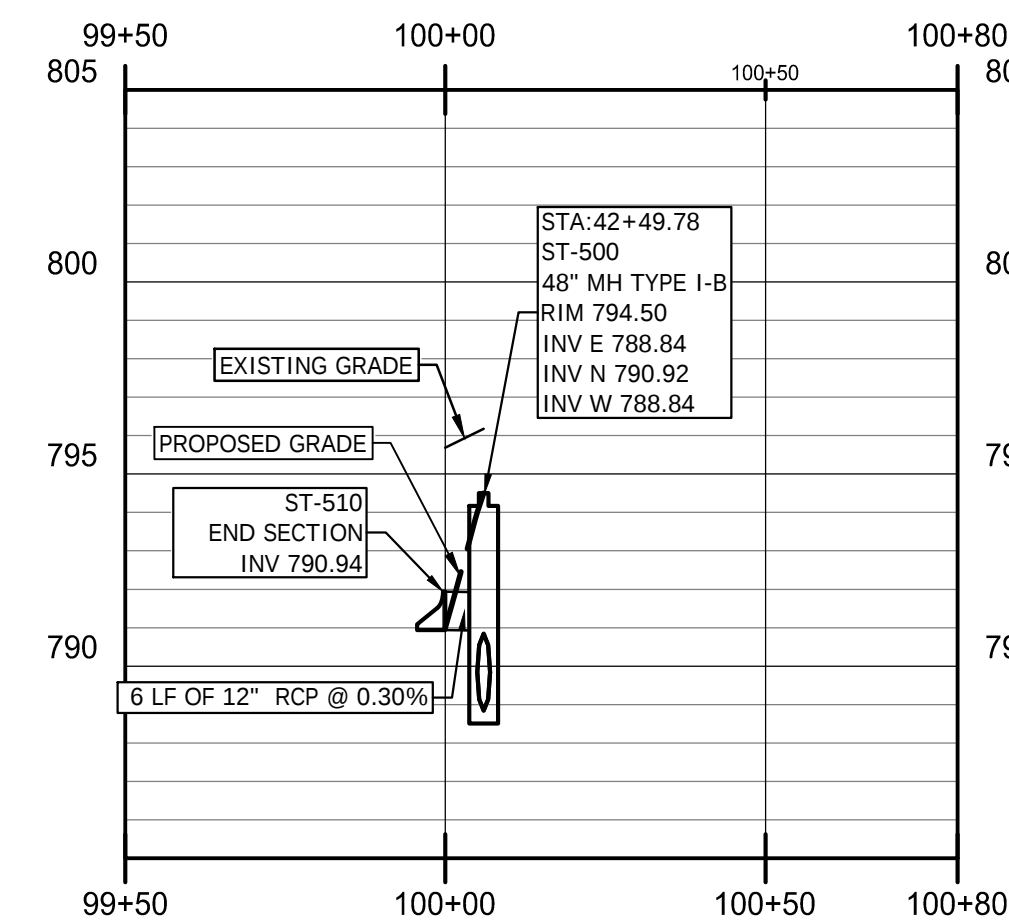
SCALE: 1" = 30'



SCALE: HORIZ. 1" = 30' VERT. 1" = 5'

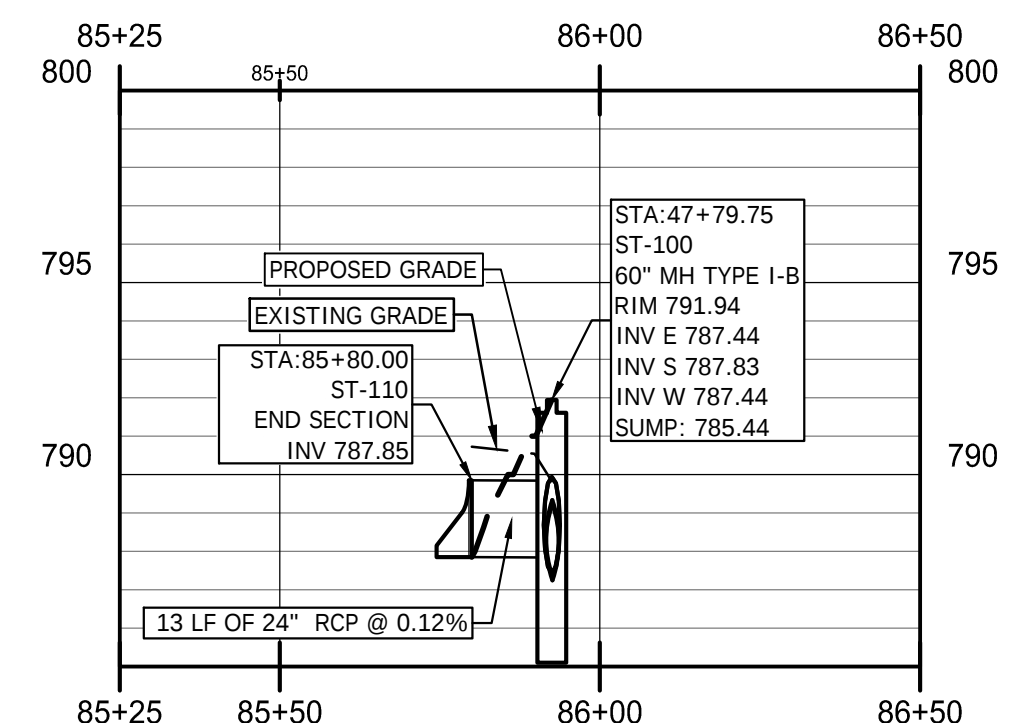
Storm 600 - EX MH - PROFILE

HORIZONTAL SCALE: 1" = 30' VERTICAL SCALE: 1" = 5'



Storm 510 - 500 - PROFILE

HORIZONTAL SCALE: 1" = 30' VERTICAL SCALE: 1" = 5'



Storm 110 - 100 - PROFILE

HORIZONTAL SCALE: 1" = 30' VERTICAL SCALE: 1" = 5'



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