

**NOTICE OF ADDENDUM AND CLARIFICATION NO. 2
NEW MARGARET AVENUE EXTENSION
OCTOBER 10, 2025
TERRE HAUTE, INDIANA**

To All Plan Holders of Record:

This document shall serve as notice of an addendum and clarification to the plans and specifications for the project. Each bidder shall acknowledge receipt of this addendum on the ACKNOWLEDGMENT OF RECEIPT OF ADDENDUM FORM in the Project's Contract Book. Failure to acknowledge the receipt of addendum could result in a bid being considered non-responsive and or non-responsible.

The following changes and clarifications are hereby made to the contract documents and officially incorporate this and all referenced documents into the requirements and bid documents for the project.

All registered plan holders will receive notice of this Addendum.

1. **The location for the submittal of bids shall be as noted at the Pre-Bid Meeting:**

Sealed proposals shall be submitted to: Terre Haute Redevelopment Commission
City of Terre Haute Redevelopment Commission
2nd Floor
900 Wabash Ave
Terre Haute, Indiana 47807

Bids will be accepted at Redevelopment Commission for the City of Terre Haute, of the State of Indiana, at the Redevelopment Commission Meeting 900 Wabash Ave, 2nd Floor, Terre Haute, IN 47807, before 4:00 PM (local time) on October 15, 2025. **Proposals received after 4:00 p.m. local time will not be considered and will be returned to the bidder unopened.**

All bids shall be sealed and identified with the Project Name and the Bidder clearly labeled on the sealed bid.

2. **Completion Time and Liquidated Damages**

Substantial Completion for this project is June 1, 2026. Substantial Completion shall be defined as improvements open to normal traffic.

Final Completion for this project is July 1, 2026.

Delete all other references in the contract documents for calendar day completion times.

Liquidated damages for the project shall be \$1,000 per day for Substantial Completion and \$1,500 per day for Final Completion.

3. DELETE: Sheet Numbers PP1 and PP2 from the original plan set.
ADD: Sheet Numbers PP1 and PP2 from Addendum #2.

Miscellaneous revisions to sanitary sewers plans based on questions received.

4. DELETE: The original Itemized Proposal in the Contract Documents pages 16-20.
ADD: The revised attached Itemized Proposal pages 16-20 Dated October 10, 2025.

Note quantity changes to Items W2, 12" Water Main, Open Cut, Granular Backfill, W3, 12" Water Main Horizontal Directional Drive, W3, and S15, Structure Backfill based on questions and plan revisions. Minor clarifications have been made to pay items for Mobilization and Demobilization to clarify to which elements of the project that they apply. Separate Mobilization and Demobilization items are provided for roadway, water and sewer construction.

5. **Clarifications**

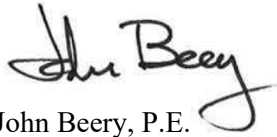
- a. Limits for Widening with HMA are as follows:

Begin	End	Lt/Rt
A 354+50	A 358+27	Cl
A 356+85	A 358+25	Rt

- b. Curb turnouts shall be provided incidental to the pay item for curb being placed. No separate item will be provided, as is standard with INDOT pay items.
- c. Additional permanent easements are not possible on this project and the contractor shall construct the sanitary sewer within the current permanent easements and right-of-way as shown. Contractor shall include and sheeting shoring that is needed for construction of the project as shown, incidental to costs provided. Temporary easements outside of the permanent easements shown can be coordinated by the Contractor with the property Owner, if necessary.
- d. If required in the field, the cost of relocating the force main and bypass pumping shall be considered incidental to construction and included in their bid. Force main and other facilities should be protected incidental to the unit costs provided for the project.
- e. No additional contingencies will be added for subgrade improvements in fill areas.
- f. All backfill and granular fill shall conform to INDOT standards.
- g. Subgrade treatment should be per INDOT Standard Specifications.
- h. The pay item for "Dewatering" should include all work, expected costs, equipment and duration for expected dewatering. No additional geotechnical information is available.
- i. The requirements and cement content shall follow Section 219 of the 2026 INDOT Standard Specifications.

Please make a note and amend all project-related information and bids as required.

Respectfully Submitted,

A handwritten signature in black ink, appearing to read "John Beery". The signature is stylized with a large, looped "J" and a cursive "Beery".

John Beery, P.E.
Egis Group

ITEMIZED PROPOSAL

NEW MARGARET AVENUE EXTENSION
ITEMIZED PROPOSAL

Date: 10/10/2025
NO. 1 OF 5

PAY ITEM	DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	TOTAL
1	CONSTRUCTION ENGINEERING	1	L.S.		
2	MOBILIZATION AND DEMOBILIZATION	1	L.S.		
3	CLEARING OF RIGHT-OF-WAY	1	L.S.		
4	PIPE, REMOVE	119	L.F.		
5	EXCAVATION, COMMON	4860	C.Y.		
6	BORROW	13905	C.Y.		
7	STORMWATER MANAGEMENT BUDGET	39500	\$		
8	STORMWATER MANAGEMENT IMPLEMENTATION	1	L.S.		
9	SUBGRADE TREATMENT, TYPE IBC	17360	S.Y.		
10	STRUCTURE BACKFILL, TYPE 2	672	C.Y.		
11	COMPACTED AGGREGATE, NO. 53	7045	C.Y.		
12	WIDENING WITH HMA, TYPE B	147	TON		
13	QC/QA-HMA, 2, 58S, SURFACE, 9.5 mm	1011	TON		
14	QC/QA-HMA, 2, 58S, INTERMEDIATE, 19.0 mm	1685	TON		
15	QC/QA-HMA, 2, 58S, BASE, 25.0 mm	2696	TON		
16	PCCP, 8 IN.	472	S.Y.		
17	D-1 CONTRACTION JOINT	360	L.F.		
18	CURB RAMP, CONCRETE	173	S.Y.		
19	DETECTABLE WARNING SURFACES	38	S.Y.		
20	CURB AND GUTTER, CONCRETE, TYPE B	352	L.F.		
21	CURB AND GUTTER, CONCRETE, TYPE C	4788	L.F.		
22	CURB AND GUTTER, CONCRETE, TYPE C, MODIFIED	3786	L.F.		
23	RIPRAP, REVETMENT	30	TON		
24	GEOTEXTILE FOR RIPRAP, TYPE 1A	70	S.Y.		

Addendum No. 2 - 10/10/2025

ITEMIZED PROPOSAL

NEW MARGARET AVENUE EXTENSION
ITEMIZED PROPOSAL

Date: 10/10/2025
NO. 2 OF 5

PAY ITEM	DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	TOTAL
25	FERTILIZER	2	TON		
26	SEED MIXTURE, TYPE R	837	LBS		
27	MULCHING MATERIAL	9	TON		
28	PIPE END SECTION, DIAMETER 48 IN.	1	EACH		
29	PIPE, TYPE 2, CIRCULAR, DIAMETER 12 IN.	1454	L.F.		
30	PIPE, TYPE 2, CIRCULAR, DIAMETER 15 IN.	492	L.F.		
31	PIPE, TYPE 2, CIRCULAR, DIAMETER 18 IN.	168	L.F.		
32	PIPE, TYPE 2, CIRCULAR, DIAMETER 24 IN.	74	L.F.		
33	PIPE, TYPE 2, CIRCULAR, DIAMETER 48 IN.	42	L.F.		
34	PIPE EXTENSION, CIRCULAR, DIAMETER 30 IN.	66	L.F.		
35	PIPE END SECTION, DIAMETER 12 IN.	4	EACH		
36	PIPE END SECTION, DIAMETER 15 IN.	2	EACH		
37	PIPE END SECTION, DIAMETER 18 IN.	2	EACH		
38	PIPE END SECTION, DIAMETER 24 IN.	1	EACH		
39	PIPE END SECTION, DIAMETER 30 IN.	2	EACH		
40	TRENCH DRAIN	10	L.F.		
41	CASTING, INLET, ADJUST TO GRADE	6	EACH		
42	MANHOLE, TYPE F4	1	EACH		
43	INLET, TYPE B15, MODIFIED	7	EACH		
44	INLET, TYPE B15	6	EACH		
45	INLET, TYPE C15	25	EACH		
46	ROAD CLOSURE SIGN ASSEMBLY	2	EACH		
47	CONSTRUCTION SIGN, TYPE A	8	EACH		
48	CONSTRUCTION SIGN, TYPE B	8	EACH		

ITEMIZED PROPOSAL

NEW MARGARET AVENUE EXTENSION ITEMIZED PROPOSAL

Date: 10/10/2025
NO. 3 OF 5

PAY ITEM	DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	TOTAL
49	MAINTAINING TRAFFIC	1	L.S.		
50	BARRICADE, TYPE III-A	96	L.F.		
51	SIGN POST, SQUARE, TYPE 1, REINFORCED ANCHOR BASE	302	L.F.		
52	SIGN, SHEET, WITH LEGEND, 0.080 IN. THICKNESS	112	S.F.		
53	SIGN, SHEET, WITH LEGEND, 0.100 IN. THICKNESS	134	S.F.		
54	TRANSVERSE MARKING, THERMOPLASTIC, CROSSWALK LINE, WHITE, 24 IN.	600	L.F.		
55	LINE, THERMOPLASTIC, DOTTED, WHITE, 6 IN.	60	L.F.		
56	LINE, THERMOPLASTIC, SOLID, WHITE, 6 IN.	459	L.F.		
57	LINE, THERMOPLASTIC, SOLID, YELLOW, 6 IN.	1523	L.F.		
58	TRANSVERSE MARKING, THERMOPLASTIC, CROSSHATCH LINE, WHITE, 8 IN.	135	L.F.		
59	PAVEMENT MESSAGE MARKING, THERMOPLASTIC, LANE INDICATION ARROW	17	EACH		
60	LINE, THERMOPLASTIC, SOLID, YELLOW, 8 IN.	98	L.F.		
61	LINE, THERMOPLASTIC, BROKEN, WHITE, 6 IN.	1186	L.F.		
S1	Pipe, Sanitary Sewer, Diameter 8 IN, 0-8' Deep	392	LF		
S2	Pipe, Sanitary Sewer, Diameter 8 IN, 8-12' Deep	1062	LF		
S3	Pipe, Sanitary Sewer, Diameter 8 IN, 12-16' Deep	458	LF		
S4	Pipe, Sanitary Sewer, Diameter 8 IN, 16-20' Deep	410	LF		
S5	Pipe, Sanitary Sewer, Diameter 8 IN, 20-24' Deep	781	LF		
S6	Pipe, Sanitary Sewer, Diameter 8 IN, +24' Deep	519	LF		
S7	Pipe Installation, Trenchless, 8 IN with Casing	190	LF		
S8	Manhole, C4, Modified, 0-8' deep	2	EA		
S9	Manhole, C4, Modified, 8-12' deep	4	EA		

ITEMIZED PROPOSAL

NEW MARGARET AVENUE EXTENSION
ITEMIZED PROPOSAL

Date: 10/10/2025
NO. 4 OF 5

PAY ITEM	DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	TOTAL
S10	Manhole, C4, Modified, 12-16' deep	1	EA		
S11	Manhole, C4, Modified, 16-20' deep	3	EA		
S12	Manhole, C4, Modified, 20-24' deep	4	EA		
S13	Manhole, C4, Modified, +24' deep	1	EA		
S14	Manhole, C4, Modified, Doghouse, +24' deep	1	EA		
S15	Structure Backfill, Type II for Sewer and Water Installation	665	CYS		
S16	Concrete Drive Repair	60	SYS		
S17	Site Restoration and Seeding for Sanitary Sewer Installation	1	LS		
S18	Erosion Control	1	LS		
S19	Dewatering	1	LS		
S20	Maintenance of Traffic	1	LS		
S21	Construction Engineering/Staking	1	LS		
S22	Mobilization/Demobilization for Sanitary Sewer Installation	1	LS		
W1	12" Water Main, Open Cut, Native Backfill	2673	LF		
W2	12" Water Main, Open Cut, Granular Backfill	195	LF		
W3	12" Water Main, Horizontal Directional Drill	92	LF		
W4	12" Tapping Valve and Sleeve	1	EA		
W5	12" Gate Valve	3	EA		
W6	New Fire Hydrant Assembly	6	EA		

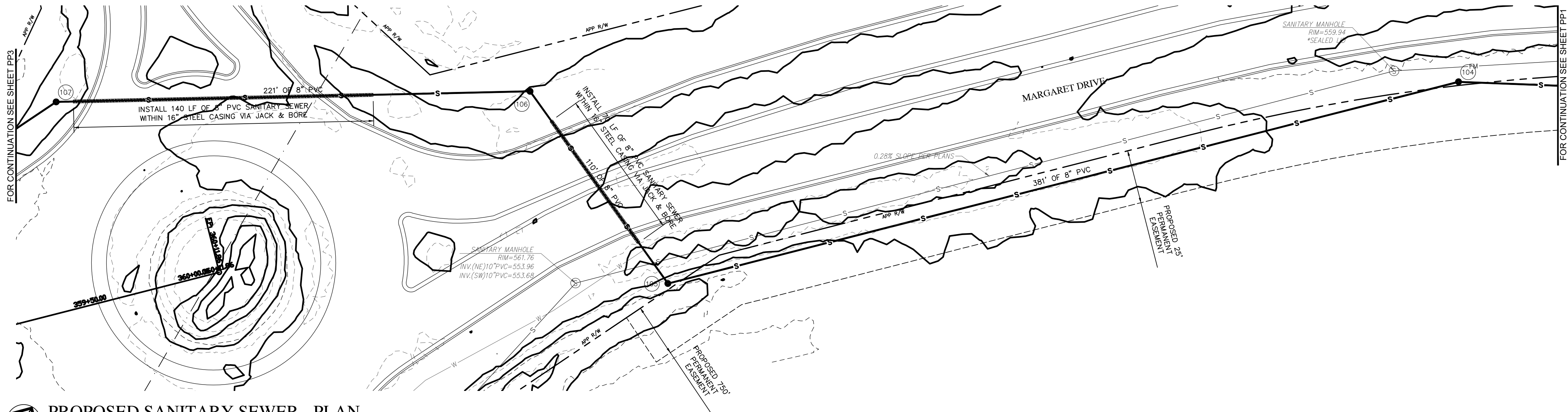
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ITEMIZED PROPOSAL

NEW MARGARET AVENUE EXTENSION
ITEMIZED PROPOSAL

Date: 10/10/2025
NO. 5 OF 5

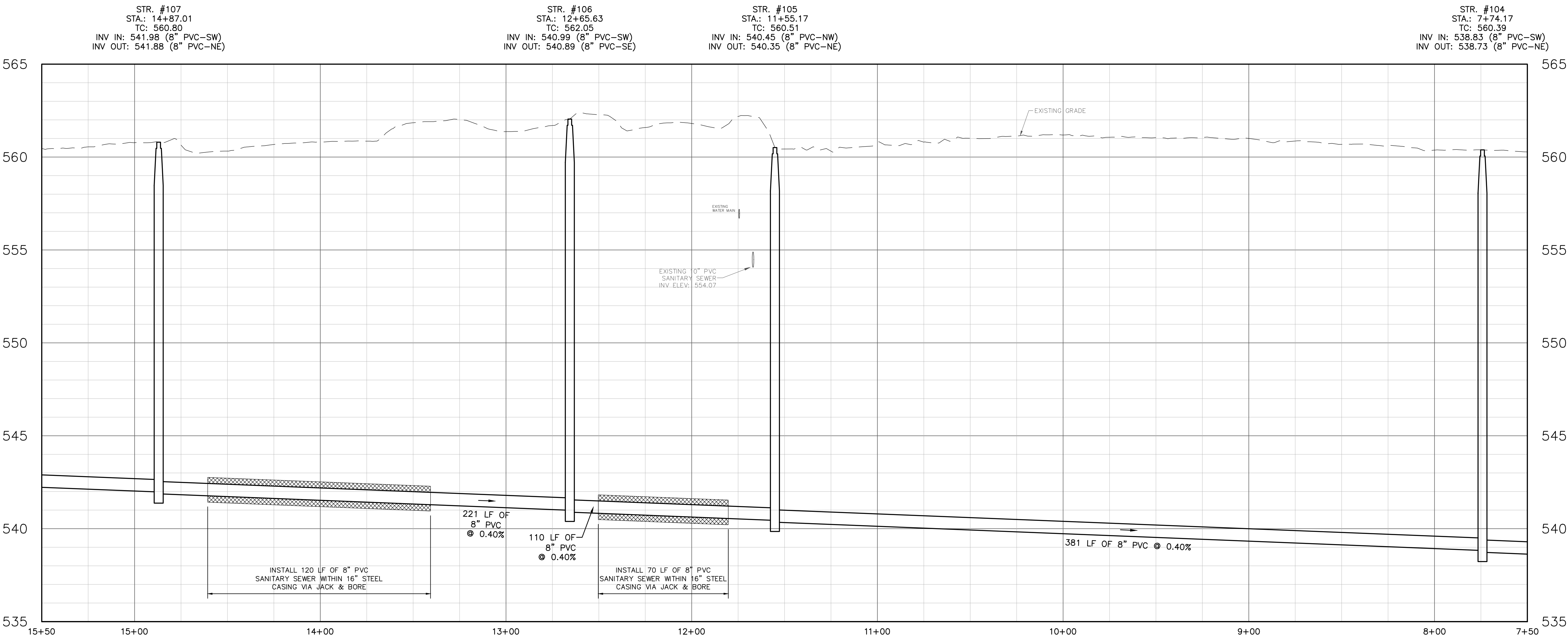
PAY ITEM	DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	TOTAL
W7	Site Restoration and Seeding	1	LS		
W8	Erosion Control	1	LS		
W9	Maintenance of Traffic for Water Main Installation	1	LS		
W10	Construction Engineering/Staking for Water Main Installation	1	LS		
W11	Mobilization/Demobilization for Water Main Installation	1	LS		
TOTAL BID					



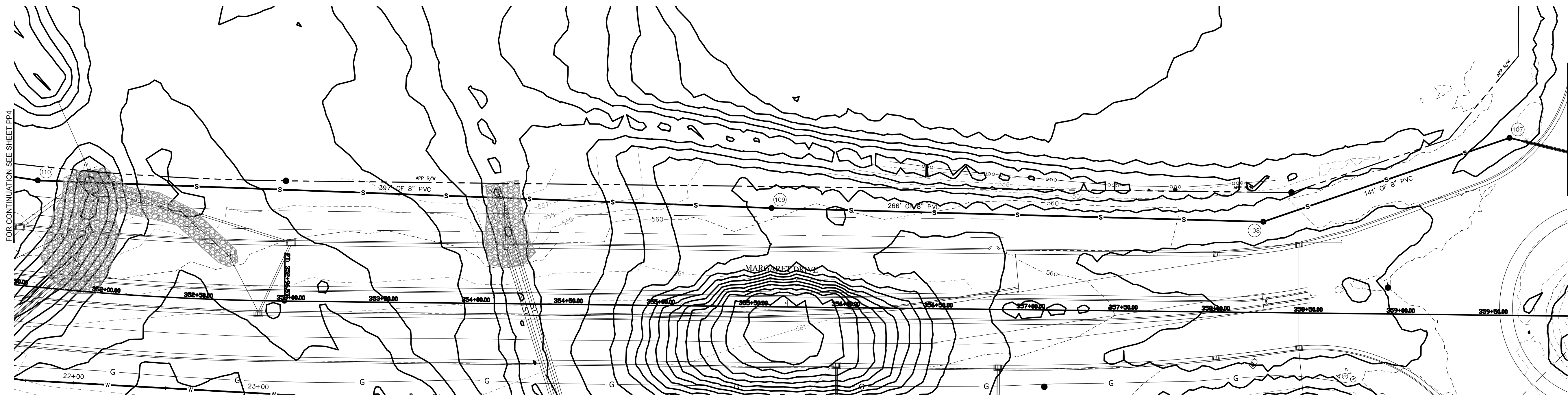
- GENERAL NOTES:
- RIGHT-OF-WAY LIMITS ARE APPROXIMATE.
 - UTILITIES HAVE BEEN SHOWN UPON THE BEST AVAILABLE INFORMATION FROM SURVEYS AND MAPS. CONTRACTOR SHALL FIELD VERIFY UTILITIES VIA EXCAVATION/POTHOLING PRIOR TO CONSTRUCTION. NO CHANGES FROM PLANS SHALL BE MADE WITHOUT ENGINEER APPROVAL.
 - PROPOSED STORMSEWERS, WATER MAINS, AND ROADWAY IMPROVEMENTS INCLUDED WITH THIS PROJECT AS WELL AS FUTURE PROJECTS ARE SHOWN FOR REFERENCE ONLY. SEE APPLICABLE PLAN SHEETS FOR DETAILS ON THOSE IMPROVEMENTS.

PROPOSED SANITARY SEWER - PROFILE

VERTICAL SCALE: 1" = 3'
HORIZONTAL SCALE: 1" = 30'



					RECOMMENDED FOR APPROVAL DESIGNED: DEW CHECKED: TMS		SEPTEMBER 24, 2025 DATE DRAWN: DMW/CAS CHECKED: DEW		CITY OF TERRE HAUTE INDIANA PROPOSED SANITARY SEWER PLAN & PROFILE		HORIZONTAL SCALE 1" = 30' VERTICAL SCALE 1" = 3' SURVEY BOOK - CONTRACT -		BRIDGE FILE - DESIGNATION - SHEETS PP2 of 16 PROJECT 2024-262	
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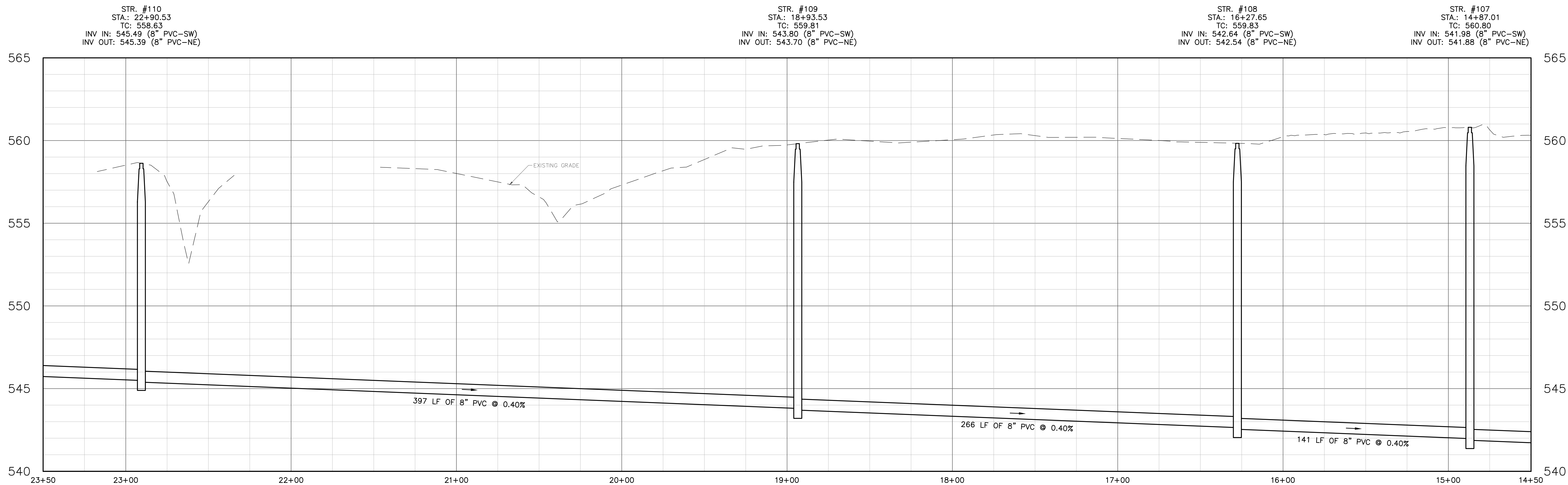


- GENERAL NOTES:
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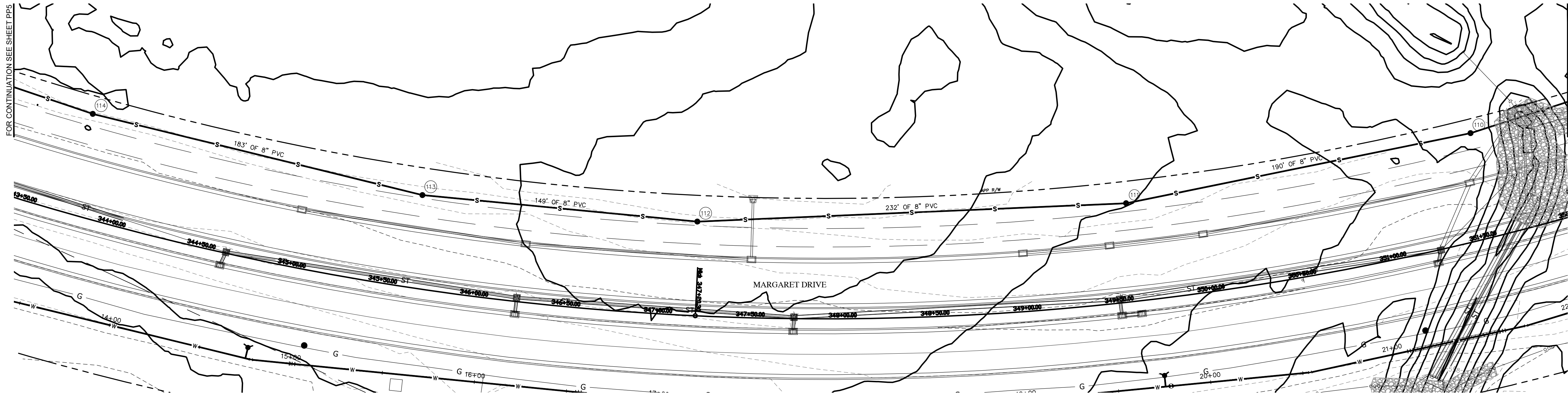
PROPOSED SANITARY SEWER - PLAN
SCALE: 1" = 30'

PROPOSED SANITARY SEWER - PROFILE

VERTICAL SCALE: 1" = 3'
HORIZONTAL SCALE: 1" = 30'



						RECOMMENDED FOR APPROVAL  SEPTEMBER 24, 2025 DESIGN ENGINEER DATE		CITY OF TERRE HAUTE INDIANA		HORIZONTAL SCALE 1" = 30'	BRIDGE FILE -
								VERTICAL SCALE 1" = 3'	DESIGNATION -		
						DESIGNED: DEW		DRAWN: DMW/CAS	PROPOSED SANITARY SEWER PLAN & PROFILE	SURVEY BOOK -	SHEETS PP3 of 16
						CHECKED: TMS		CHECKED: DEW		CONTRACT -	PROJECT 2024-262

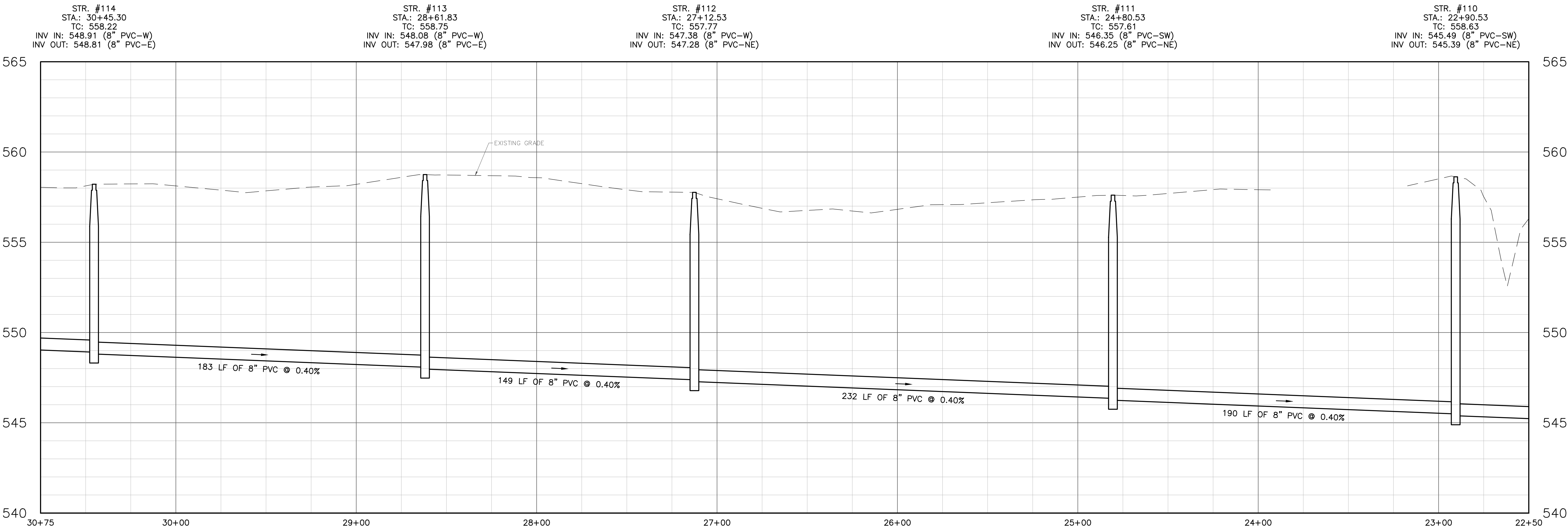


- GENERAL NOTES:
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 3. PROPOSED STORMSEWERS, WATER MAINS, AND ROADWAY IMPROVEMENTS INCLUDED WITH THIS PROJECT AS WELL AS FUTURE PROJECTS ARE SHOWN FOR REFERENCE ONLY. SEE APPLICABLE PLAN SHEETS FOR DETAILS ON THOSE IMPROVEMENTS.

 **PROPOSED SANITARY SEWER - PLAN**
SCALE: 1" = 30'

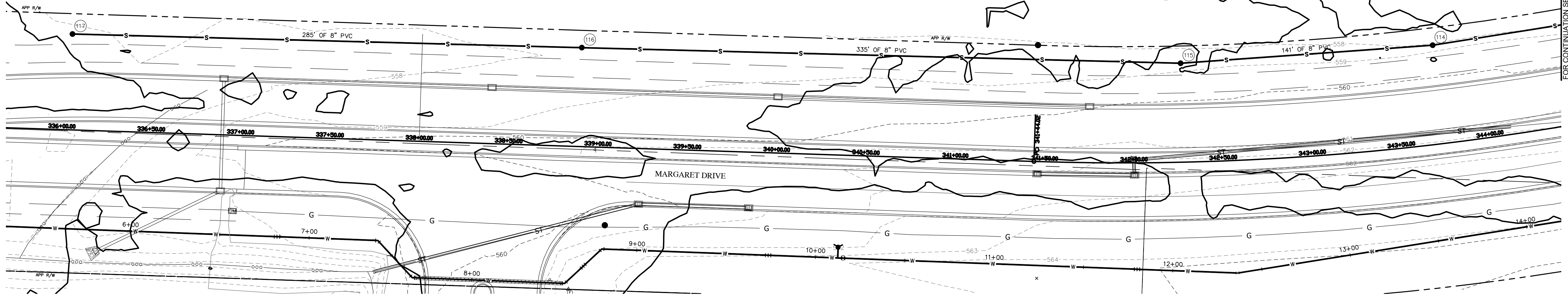
PROPOSED SANITARY SEWER - PROFILE

VERTICAL SCALE: 1" = 3'
HORIZONTAL SCALE: 1" = 30'



						RECOMMENDED FOR APPROVAL  SEPTEMBER 24, 2025 DESIGN ENGINEER DATE	CITY OF TERRE HAUTE INDIANA	HORIZONTAL SCALE 1" = 30'	BRIDGE FILE -	
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						CHECKED: TMS		CHECKED: DEW	SURVEY BOOK -	SHEETS PP4 of 16
									CONTRACT -	PROJECT 2024-262
									PROPOSED SANITARY SEWER PLAN & PROFILE	

- GENERAL NOTES:
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 3. PROPOSED STORMSEWERS, WATER MAINS, AND ROADWAY IMPROVEMENTS INCLUDED WITH THIS PROJECT AS WELL AS FUTURE PROJECTS ARE SHOWN FOR REFERENCE ONLY, SEE APPLICABLE PLAN SHEETS FOR DETAILS ON THOSE IMPROVEMENTS.



PROPOSED SANITARY SEWER - PLAN
SCALE: 1" = 30'

PROPOSED SANITARY SEWER - PROFILE

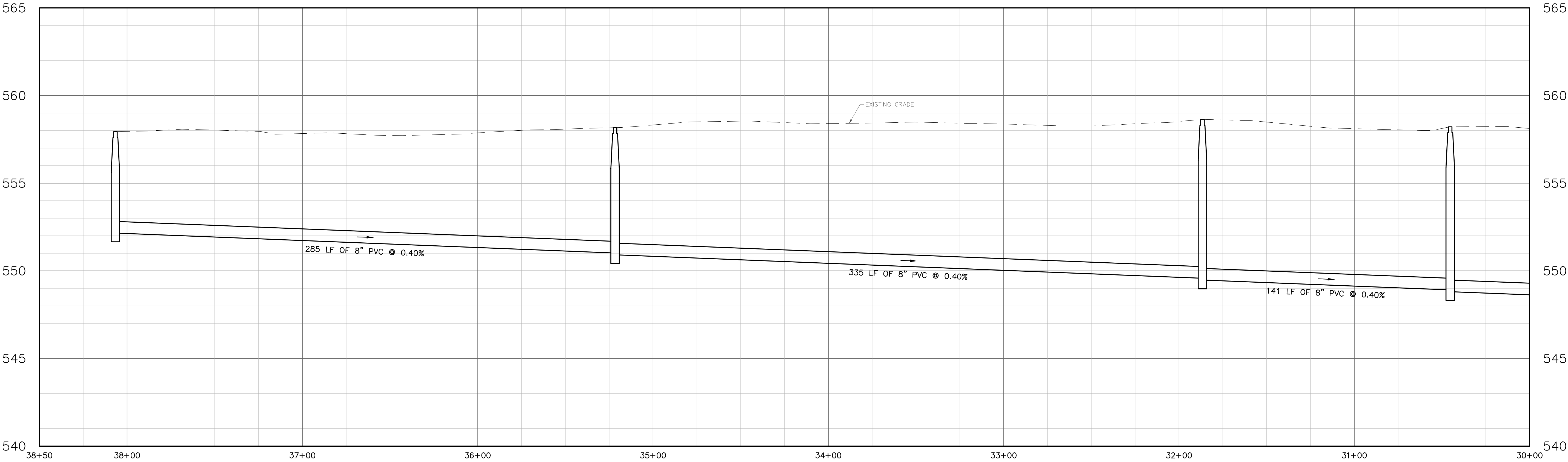
VERTICAL SCALE: 1" = 3'
HORIZONTAL SCALE: 1" = 30'

STR. #117
STA.: 35+06.64
TC: 557.94
INV OUT: 552.16 (8" PVC-E)

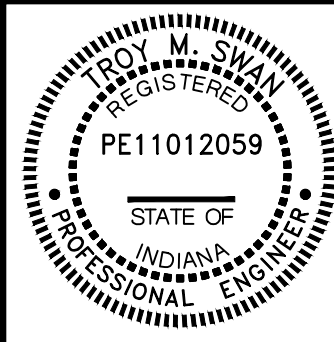
STR. #116
STA.: 35+21.64
TC: 558.17
INV IN: 551.02 (8" PVC-W)
INV OUT: 550.92 (8" PVC-E)

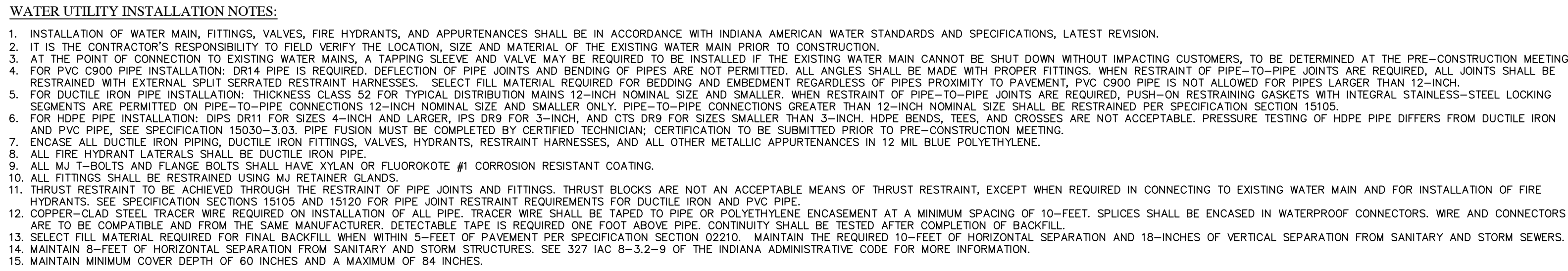
STR. #115
STA.: 31+86.64
TC: 558.64
INV IN: 549.58 (8" PVC-W)
INV OUT: 549.48 (8" PVC-E)

STR. #114
STA.: 30+45.30
TC: 558.22
INV IN: 548.91 (8" PVC-W)
INV OUT: 548.81 (8" PVC-E)



						RECOMMENDED FOR APPROVAL  SEPTEMBER 24, 2025 DESIGN ENGINEER DATE DESIGNED: DEW DRAWN: DMW/CAS CHECKED: TMS CHECKED: DEW	CITY OF TERRE HAUTE INDIANA PROPOSED SANITARY SEWER PLAN & PROFILE	HORIZONTAL SCALE 1" = 30' VERTICAL SCALE 1" = 3'	BRIDGE FILE — DESIGNATION —
								SURVEY BOOK — CONTRACT —	SHEETS PP5 of 16 PROJECT 2024–262



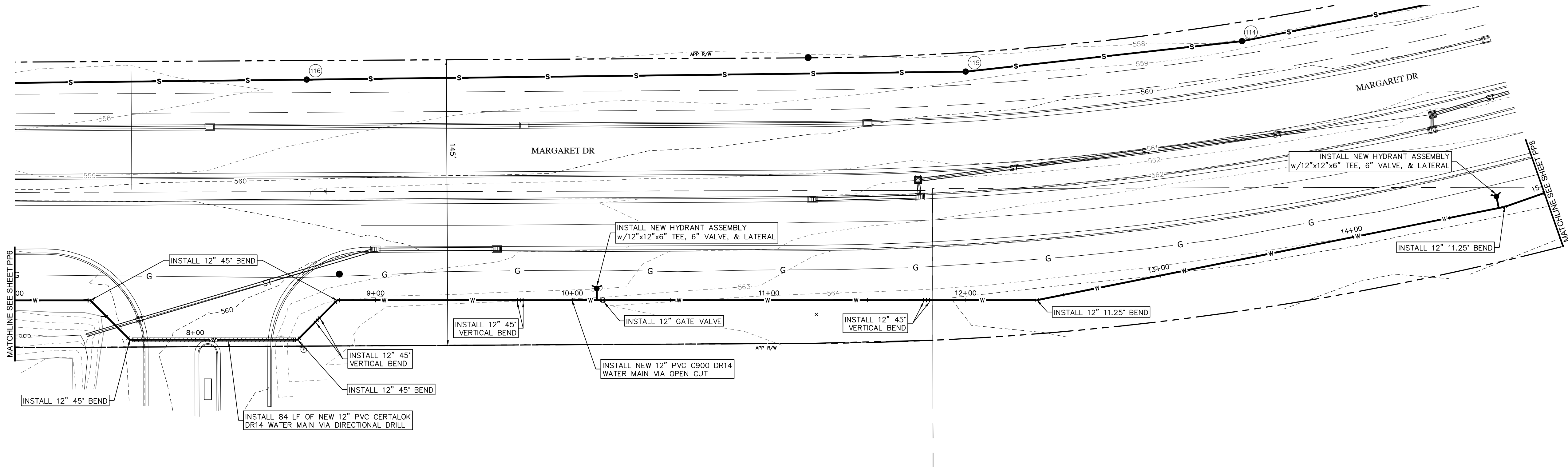


SCALE: 1" = 30'

VERTICAL SCALE: 1" = 3'
HORIZONTAL SCALE: 1" = 30'



10/10/25 ADDENDUM #2 						RECOMMENDED FOR APPROVAL  SEPTEMBER 24, 2025 DESIGN ENGINEER DATE	CITY OF TERRE HAUTE INDIANA	HORIZONTAL SCALE 1" = 30' VERTICAL SCALE 1" = 3'	BRIDGE FILE — DESIGNATION —
						DESIGNED: <u>DEW</u> DRAWN: <u>DMW/CAS</u> CHECKED: <u>TMS</u> CHECKED: <u>DEW</u>	PROPOSED WATER MAIN PLAN & PROFILE	SURVEY BOOK — CONTRACT —	SHEETS PP6 of 90 PROJECT 2024-262

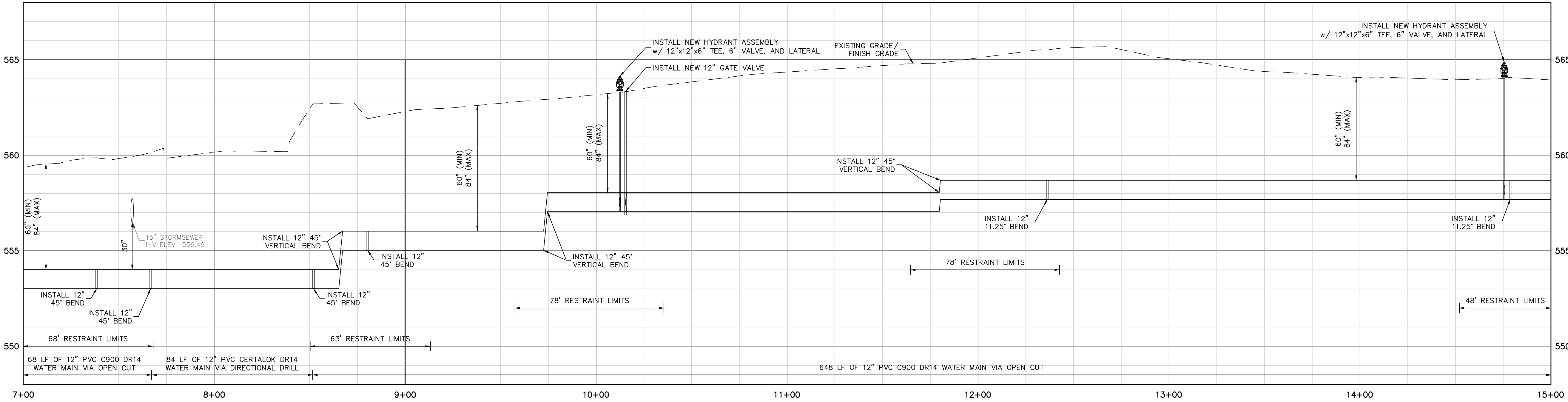


- WATER UTILITY INSTALLATION NOTES:**
1. INSTALLATION OF WATER MAIN, FITTINGS, VALVES, FIRE HYDRANTS, AND APPURTENANCES SHALL BE IN ACCORDANCE WITH INDIANA AMERICAN WATER STANDARDS AND SPECIFICATIONS, LATEST REVISION.
 2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION, SIZE AND MATERIAL OF THE EXISTING WATER MAIN PRIOR TO CONSTRUCTION.
 3. AT THE POINT OF CONNECTION TO EXISTING WATER MAINS, A TAPPING SLEEVE AND VALVE MAY BE REQUIRED TO BE INSTALLED IF THE EXISTING WATER MAIN CANNOT BE SHUT DOWN WITHOUT IMPACTING CUSTOMERS, TO BE DETERMINED AT THE PRE-CONSTRUCTION MEETING.
 4. FOR PVC C900 PIPE INSTALLATION: DR14 PIPE IS REQUIRED. DEFLECTION OF PIPE JOINTS AND BENDING OF PIPES ARE NOT PERMITTED. ALL ANGLES SHALL BE MADE WITH PROPER FITTINGS. WHEN RESTRAINT OF PIPE-TO-PIPE JOINTS ARE REQUIRED, ALL JOINTS SHALL BE RESTRAINED WITH EXTERNAL SPLIT SERRATED RESTRAINT HARNESSSES. SELECT FILL MATERIAL REQUIRED FOR BEDDING AND EMBEDMENT REGARDLESS OF PIPES PROXIMITY TO PAVEMENT. PVC C900 PIPE IS NOT ALLOWED FOR PIPES LARGER THAN 12-INCH.
 5. FOR DUCTILE IRON PIPE INSTALLATION: THICKNESS CLASS 52 FOR TYPICAL DISTRIBUTION MAINS 12-INCH NOMINAL SIZE AND SMALLER. WHEN RESTRAINT OF PIPE-TO-PIPE JOINTS ARE REQUIRED, PUSH-ON RESTRAINING GASKETS WITH INTEGRAL STAINLESS-STEEL LOOKING SEGMENTS ARE PERMITTED ON PIPE-TO-PIPE CONNECTIONS 12-INCH NOMINAL SIZE AND SMALLER ONLY. PIPE-TO-PIPE CONNECTIONS GREATER THAN 12-INCH NOMINAL SIZE SHALL BE RESTRAINED PER SPECIFICATION SECTION 15105.
 6. FOR HDPE PIPE INSTALLATION: DIPS DR11 FOR SIZES 4-INCH AND LARGER, IPS DR9 FOR 3-INCH, AND CTS DR9 FOR SIZES SMALLER THAN 3-INCH. HDPE BENDS, TEES, AND CROSSES ARE NOT ACCEPTABLE. PRESSURE TESTING OF HDPE PIPE DIFFERS FROM DUCTILE IRON AND PVC PIPE. SEE SPECIFICATION 15030-3.03. PIPE FUSION MUST BE COMPLETED BY CERTIFIED TECHNICIAN; CERTIFICATION TO BE SUBMITTED PRIOR TO PRE-CONSTRUCTION MEETING.
 7. ENCASE ALL DUCTILE IRON PIPING, DUCTILE IRON FITTINGS, VALVES, HYDRANTS, RESTRAINT HARNESSSES, AND ALL OTHER METALLIC APPURTENANCES IN 12 MIL BLUE POLYETHYLENE.
 8. ALL FIRE HYDRANT LATERALS SHALL BE DUCTILE IRON PIPE.
 9. ALL MJ T-BOLTS AND FLANGE BOLTS SHALL HAVE NYLAN OR FLUOROKOTE #1 CORROSION RESISTANT COATING.
 10. ALL FITTINGS SHALL BE RESTRAINED USING MJ RETAINER GLANDS.
 11. THRUST RESTRAINT TO BE ACHIEVED THROUGH THE RESTRAINT OF PIPE JOINTS AND FITTINGS. THRUST BLOCKS ARE NOT AN ACCEPTABLE MEANS OF THRUST RESTRAINT, EXCEPT WHEN REQUIRED IN CONNECTING TO EXISTING WATER MAIN AND FOR INSTALLATION OF FIRE HYDRANTS. SEE SPECIFICATION SECTIONS 15105 AND 15120 FOR PIPE JOINT RESTRAINT REQUIREMENTS FOR DUCTILE IRON AND PVC PIPE.
 12. COPPER-CLAD STEEL TRACER WIRE REQUIRED ON INSTALLATION OF ALL PIPE. TRACER WIRE SHALL BE TAPED TO PIPE OR POLYETHYLENE ENCASEMENT AT A MINIMUM SPACING OF 10-FEET. SPLICES SHALL BE ENCASED IN WATERPROOF CONNECTORS. WIRE AND CONNECTORS ARE TO BE COMPATIBLE AND FROM THE SAME MANUFACTURER. DETECTABLE TAPE IS REQUIRED ONE FOOT ABOVE PIPE. CONTINUITY SHALL BE TESTED AFTER COMPLETION OF BACKFILL.
 13. SELECT FILL MATERIAL REQUIRED FOR FINAL BACKFILL WHEN WITHIN 5-FEET OF PAVEMENT PER SPECIFICATION SECTION 02210. MAINTAIN THE REQUIRED 10-FEET OF HORIZONTAL SEPARATION AND 18-INCHES OF VERTICAL SEPARATION FROM SANITARY AND STORM SEWERS.
 14. MAINTAIN 6-FEET OF HORIZONTAL SEPARATION FROM SANITARY AND STORM STRUCTURES. SEE 327 IAC 8-3.2-9 OF THE INDIANA ADMINISTRATIVE CODE FOR MORE INFORMATION.
 15. MAINTAIN MINIMUM COVER DEPTH OF 60 INCHES AND A MAXIMUM OF 84 INCHES.

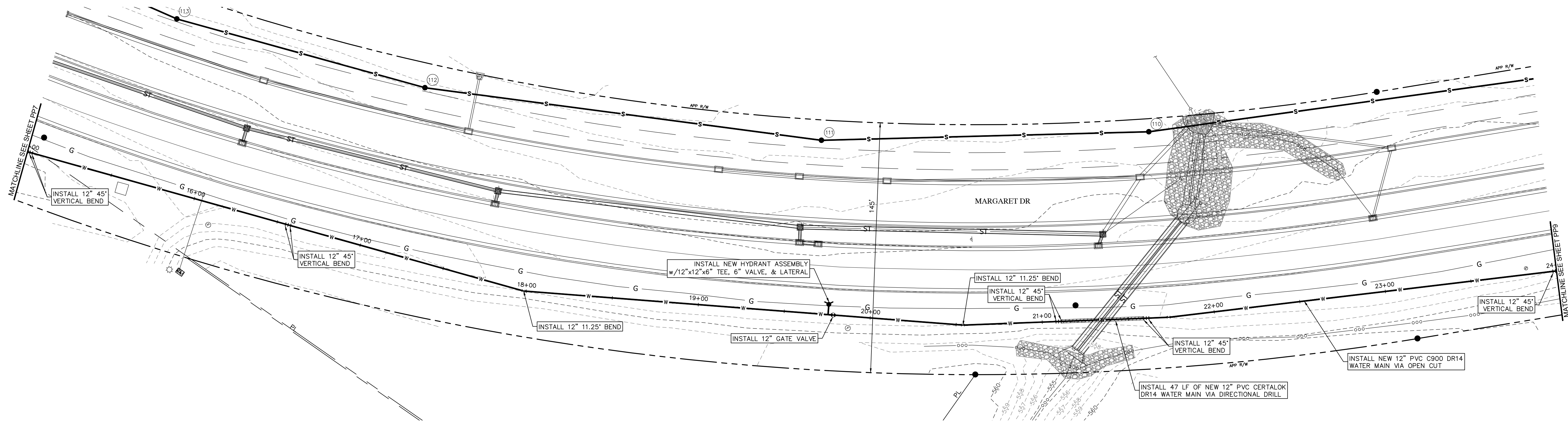
 **PROPOSED WATER MAIN - PLAN**
SCALE: 1" = 30'

PROPOSED WATER MAIN - PROFILE

VERTICAL SCALE: 1" = 3'
HORIZONTAL SCALE: 1" = 30'



					ROY M. SHAN REGISTERED PE11012059 STATE OF INDIANA PROFESSIONAL ENGINEER	RECOMMENDED FOR APPROVAL  SEPTEMBER 24, 2025 DESIGN ENGINEER DATE		CITY OF TERRE HAUTE INDIANA		HORIZONTAL SCALE 1" = 30'		BRIDGE FILE —			
								VERTICAL SCALE 1" = 3'		DESIGNATION —					
						DESIGNED: DEW		DRAWN: DMW/CAS		PROPOSED WATER MAIN PLAN & PROFILE		SURVEY BOOK —		SHEETS PP7 of 90	
						CHECKED: TMS		CHECKED: DEW				CONTRACT —		PROJECT 2024–262	



WATER UTILITY INSTALLATION NOTES:

1. INSTALLATION OF WATER MAIN, FITTINGS, VALVES, FIRE HYDRANTS, AND APPURTENANCES SHALL BE IN ACCORDANCE WITH INDIANA AMERICAN WATER STANDARDS AND SPECIFICATIONS, LATEST REVISION.
2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION, SIZE AND MATERIAL OF THE EXISTING WATER MAIN PRIOR TO CONSTRUCTION.
3. AT THE POINT OF CONNECTION TO EXISTING WATER MAINS, A TAPPING SLEEVE AND VALVE MAY BE REQUIRED TO BE INSTALLED IF THE EXISTING WATER MAIN CANNOT BE SHUT DOWN WITHOUT IMPACTING CUSTOMERS, TO BE DETERMINED AT THE PRE-CONSTRUCTION MEETING.
4. FOR PVC C900 PIPE INSTALLATION: DR14 PIPE IS REQUIRED. DEFLECTION OF PIPE JOINTS AND BENDING OF PIPES ARE NOT PERMITTED. ALL ANGLES SHALL BE MADE WITH PROPER FITTINGS. WHEN RESTRAINT OF PIPE-TO-PIPE JOINTS ARE REQUIRED, ALL JOINTS SHALL BE RESTRAINED WITH EXTERNAL SPLIT SERRATED RESTRAINT HARNESSSES. SELECT FILL MATERIAL REQUIRED FOR BEDDING AND EMBEDMENT REGARDLESS OF PIPES PROXIMITY TO PAVEMENT, PVC C900 PIPE IS NOT ALLOWED FOR PIPES LARGER THAN 12-INCH.
5. FOR DUCTILE IRON PIPE INSTALLATION: THICKNESS CLASS 52 FOR TYPICAL DISTRIBUTION MAINS 12-INCH NOMINAL SIZE AND SMALLER. WHEN RESTRAINT OF PIPE-TO-PIPE JOINTS ARE REQUIRED, PUSH-ON RESTRAINING GASKETS WITH INTEGRAL STAINLESS-STEEL LOCKING SEGMENTS ARE PERMITTED ON PIPE-TO-PIPE CONNECTIONS 12-INCH NOMINAL SIZE AND SMALLER ONLY. PIPE-TO-PIPE CONNECTIONS GREATER THAN 12-INCH NOMINAL SIZE SHALL BE RESTRAINED PER SPECIFICATION SECTION 1510S.
6. FOR HDPE PIPE INSTALLATION: DIPS DR11 FOR SIZES 4-INCH AND LARGER, IPS DR9 FOR 3-INCH, AND CTS DR9 FOR SIZES SMALLER THAN 3-INCH. HDPE BENDS, TEES, AND CROSSES ARE NOT ACCEPTABLE. PRESSURE TESTING OF HDPE PIPE DIFFERS FROM DUCTILE IRON AND PVC PIPE. SEE SPECIFICATION 15030-3.03. PIPE FUSION MUST BE COMPLETED BY CERTIFIED TECHNICIAN; CERTIFICATION TO BE SUBMITTED PRIOR TO PRE-CONSTRUCTION MEETING.
7. ENCASE ALL DUCTILE IRON PIPING, DUCTILE IRON FITTINGS, VALVES, HYDRANTS, RESTRAINT HARNESSSES, AND ALL OTHER METALLIC APPURTENANCES IN 12 MIL BLUE POLYETHYLENE.
8. ALL FIRE HYDRANT LATERALS SHALL BE DUCTILE IRON PIPE.
9. ALL MJ T-BOLTS AND FLANGE BOLTS SHALL HAVE XYLAN OR FLUOROKOTE #1 CORROSION RESISTANT COATING.
10. ALL FITTINGS SHALL BE RESTRAINED USING MJ RETAINER GLANDS.
11. THRUST RESTRAINT TO BE ACHIEVED THROUGH THE RESTRAINT OF PIPE JOINTS AND FITTINGS. THRUST BLOCKS ARE NOT AN ACCEPTABLE MEANS OF THRUST RESTRAINT, EXCEPT WHEN REQUIRED IN CONNECTING TO EXISTING WATER MAIN AND FOR INSTALLATION OF FIRE HYDRANTS. SEE SPECIFICATION SECTIONS 1510S AND 15120 FOR PIPE JOINT RESTRAINT REQUIREMENTS FOR DUCTILE IRON AND PVC PIPE.
12. COPPER-GLAD STEEL TRACER WIRE REQUIRED ON INSTALLATION OF ALL PIPE. TRACER WIRE SHALL BE TAPED TO PIPE OR POLYETHYLENE ENCASEMENT AT A MINIMUM SPACING OF 10- FEET. SPLICES SHALL BE ENCASED IN WATERPROOF CONNECTORS. WIRE AND CONNECTORS ARE TO BE COMPATIBLE AND FROM THE SAME MANUFACTURER. DETECTABLE TAPE IS REQUIRED ONE FOOT ABOVE PIPE. CONTINUITY SHALL BE TESTED AFTER COMPLETION OF BACKFILL.
13. SELECT FILL MATERIAL REQUIRED FOR FINAL BACKFILL WHEN WITHIN 5- FEET OF PAVEMENT PER SPECIFICATION SECTION 02210. MAINTAIN THE REQUIRED 10- FEET OF HORIZONTAL SEPARATION AND 18- INCHES OF VERTICAL SEPARATION FROM SANITARY AND STORM SEWERS.
14. MAINTAIN 8- FEET OF HORIZONTAL SEPARATION FROM SANITARY AND STORM STRUCTURES. SEE 327 IAC 8-3.2-9 OF THE INDIANA ADMINISTRATIVE CODE FOR MORE INFORMATION.
15. MAINTAIN MINIMUM COVER DEPTH OF 60 INCHES AND A MAXIMUM OF 84 INCHES.

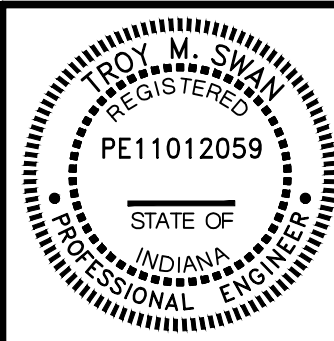
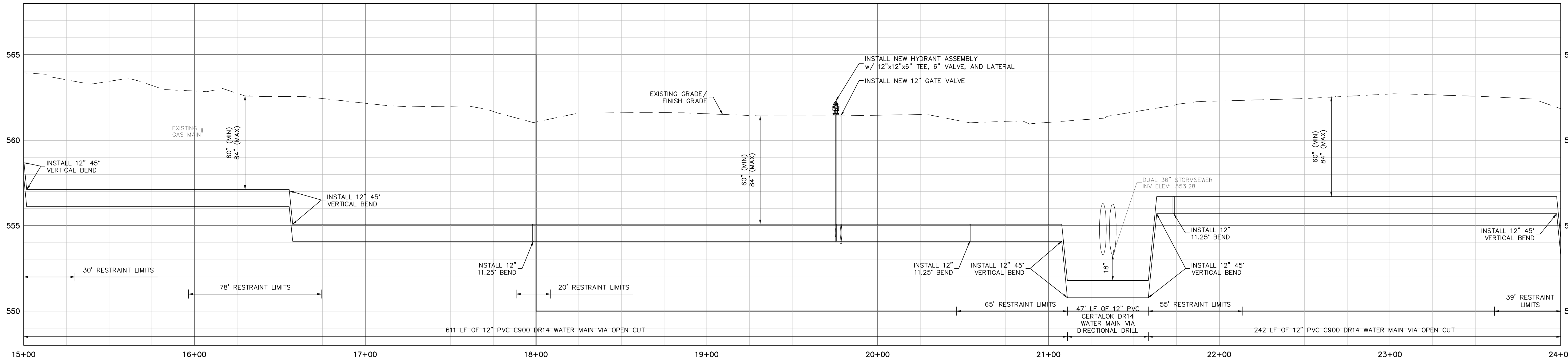


PROPOSED WATER MAIN - PLAN

SCALE: 1" = 30'

PROPOSED WATER MAIN - PROFILE

VERTICAL SCALE: 1" = 3'
HORIZONTAL SCALE: 1" = 30'



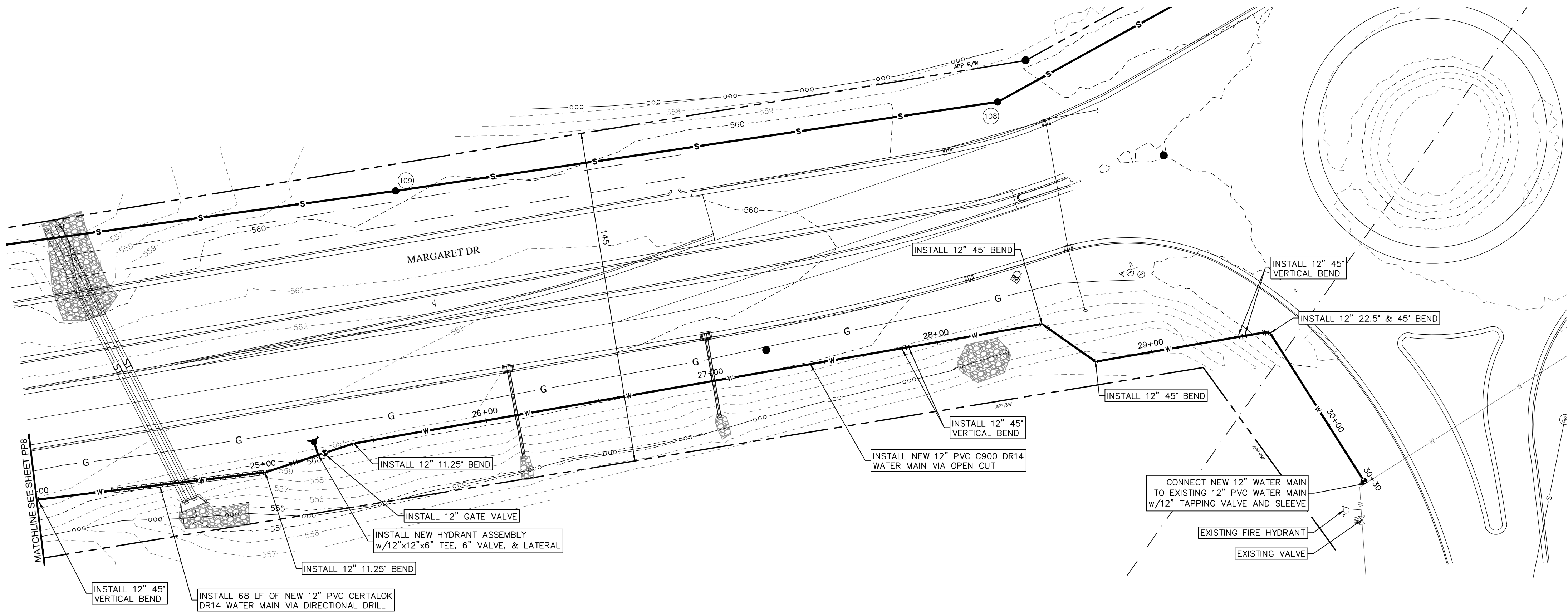
RECOMMENDED FOR APPROVAL *T. A. Swan* SEPTEMBER 24, 2025
DATE
DESIGN ENGINEER

DESIGNED: DEW DRAWN: DMW/CAS
CHECKED: TMS CHECKED: DEW

CITY OF TERRE HAUTE
INDIANA

PROPOSED WATER MAIN
PLAN & PROFILE

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	-
VERTICAL SCALE	DESIGNATION
1" = 3'	-
SURVEY BOOK	SHEETS
-	PP8 of 90
CONTRACT	PROJECT
-	2024-262



WATER UTILITY INSTALLATION NOTES:

1. INSTALLATION OF WATER MAIN, FITTINGS, VALVES, FIRE HYDRANTS, AND APPURTENANCES SHALL BE IN ACCORDANCE WITH INDIANA AMERICAN WATER STANDARDS AND SPECIFICATIONS, LATEST REVISION.
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14. MAINTAIN 8- FEET OF HORIZONTAL SEPARATION FROM SANITARY AND STORM STRUCTURES. SEE 327 IAC 8-3.2-9 OF THE INDIANA ADMINISTRATIVE CODE FOR MORE INFORMATION.
15. MAINTAIN MINIMUM COVER DEPTH OF 60 INCHES AND A MAXIMUM OF 84 INCHES.

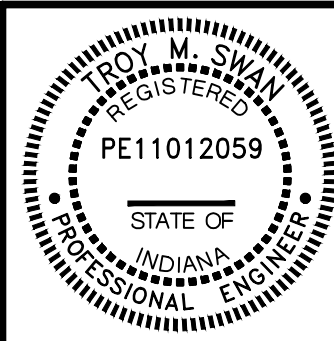
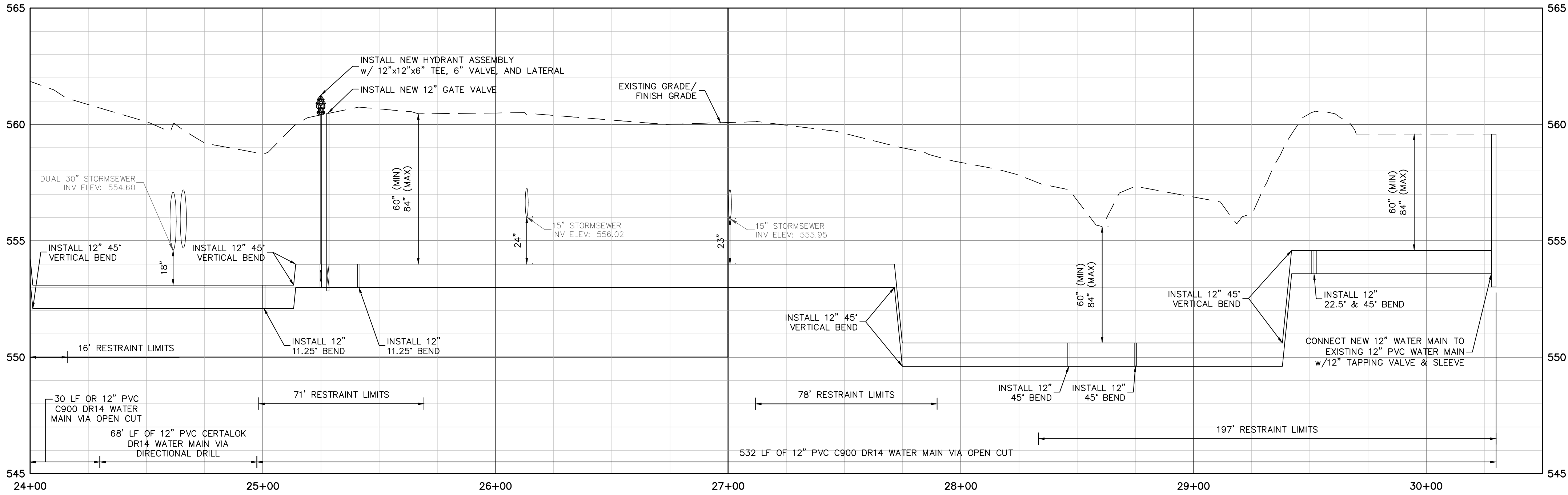


PROPOSED WATER MAIN - PLAN

SCALE: 1" = 30'

PROPOSED WATER MAIN - PROFILE

VERTICAL SCALE: 1" = 3'
HORIZONTAL SCALE: 1" = 30'



RECOMMENDED FOR APPROVAL *J. M. Swan* SEPTEMBER 24, 2025
DATE
DESIGN ENGINEER

DESIGNED: DEW DRAWN: DMW/CAS
CHECKED: TMS CHECKED: DEW

CITY OF TERRE HAUTE
INDIANA

PROPOSED WATER MAIN
PLAN & PROFILE

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	-
VERTICAL SCALE	DESIGNATION
1" = 3'	-
SURVEY BOOK	SHEETS
-	PP9 of 90
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The diagram illustrates a cross-section of a pavement structure. It consists of three main layers: a top layer of 4000 PSI concrete (labeled 'A'), a middle layer of compacted #8 crushed stone (labeled 'B'), and a bottom layer of compacted #53 crushed stone (labeled 'C'). Below these layers is the compacted subgrade. The diagram also shows the dimensions of these layers: 'A' for the concrete layer, 'B' for the #8 crushed stone layer, 'C' for the #53 crushed stone layer, and 'D' for the total thickness of the pavement structure. A key at the bottom right provides the dimensions for each layer and the total thickness in feet and inches.

KEY:	A	B	C	D
REGULAR STRENGTH CONCRETE	6"	3"	3"	12"
HEAVY-DUTY STRENGTH CONCRETE *	8"	4"	4"	16"

KEY:	A	B	C	D
REGULAR STRENGTH CONCRETE	6"	3"	3"	12"
HEAVY-DUTY STRENGTH CONCRETE *	8"	4"	4"	16"

GENERAL NOTES:

- 2 CONCRETE PAVEMENT DETAIL
NOT TO SCALE

A diagram of a sanitary pad. It consists of a central rectangular area labeled "SANITARY". This area is surrounded by a circular border. An arrow points to this border with the label "FRAME & COVER".

NOTE:
FRAME & COVER SHALL BE NEENAH
R-1916-F1 w/ CONCEALED PICK
HOLE, OR EQUAL.
ALL CASTINGS SHALL BE COATED
WITH ASPHALT PAINT.
LID LETTERING SHALL BE OF
LARGE COMMERCIAL GOTHIC
CONSTRUCTION.
FRAME TO BE BOLTED
TO CONCRETE STRUCTURE.
FURNISHING AND INSTALLATION
OF FRAME AND LID TO BE
INCIDENTAL TO COST OF MH.

Diagram illustrating the frame and cover assembly for a sanitary manhole. The frame is circular with six rectangular openings. The cover is shown on top of the frame. The word "SANITARY" is inscribed in the center of the frame. Labels indicate the "FRAME & COVER" and "ANCHOR BOLT (TYP)".

3 SANITARY SEWER MANHOLE FRAME AND COVER DETAILS

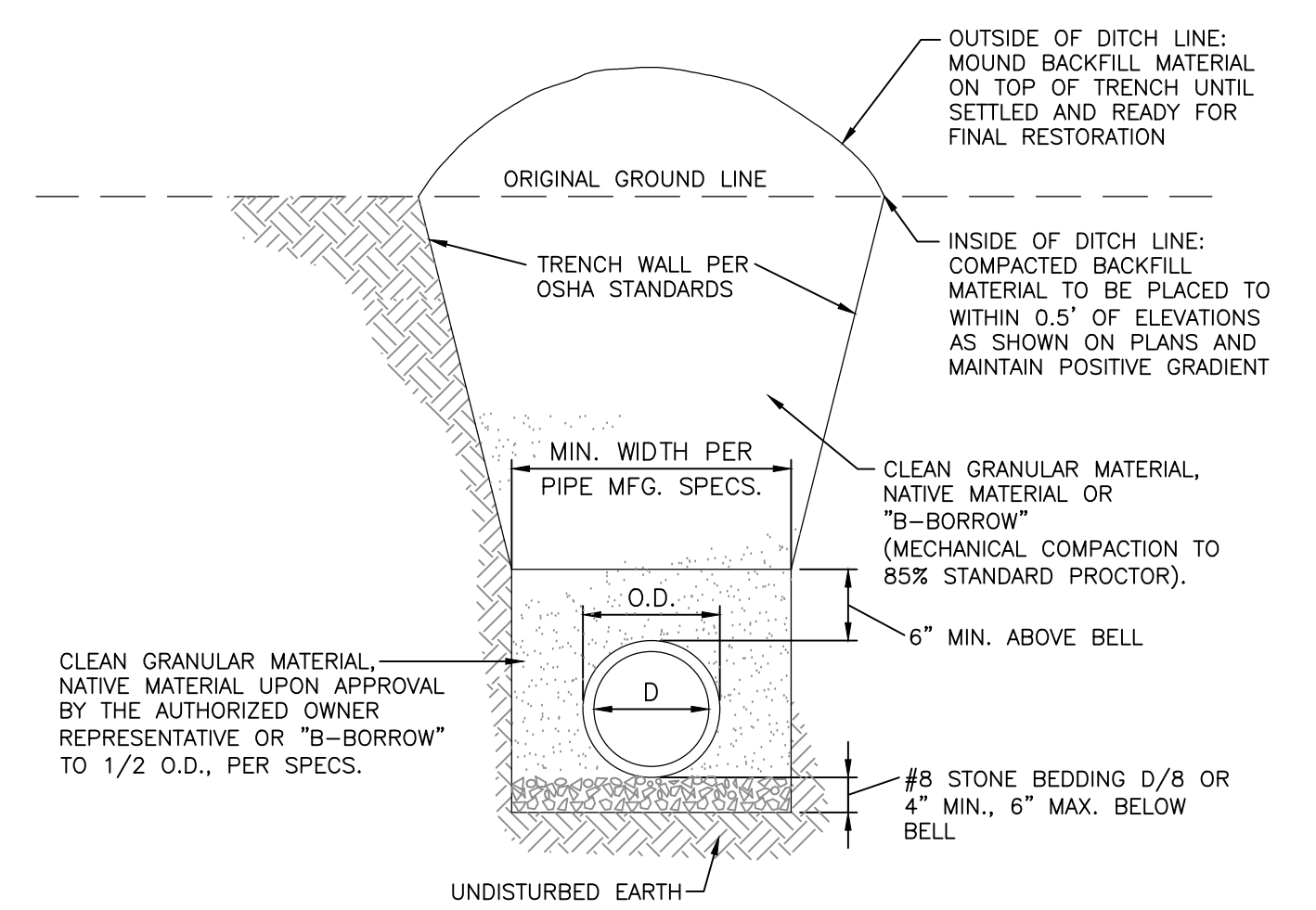
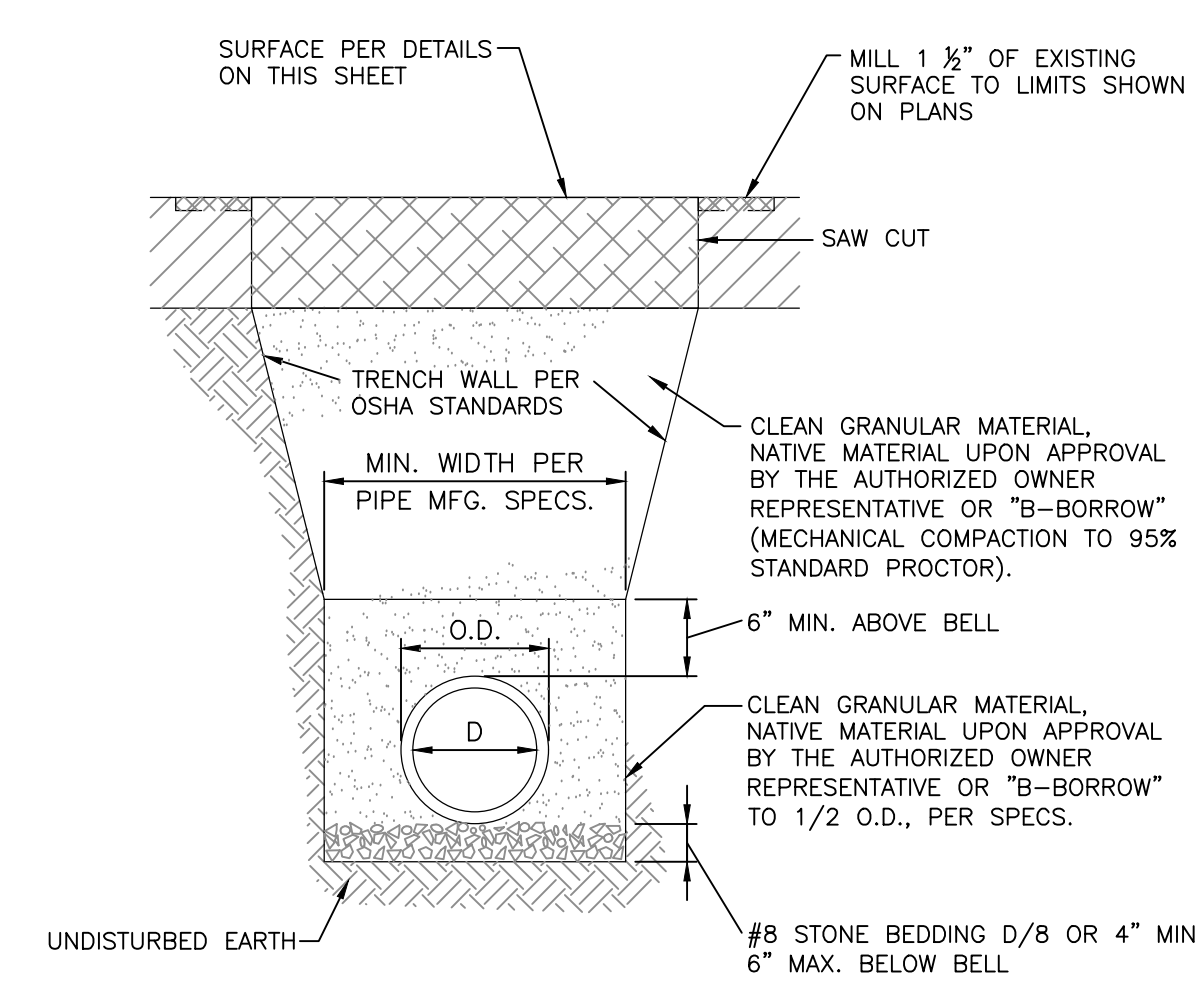
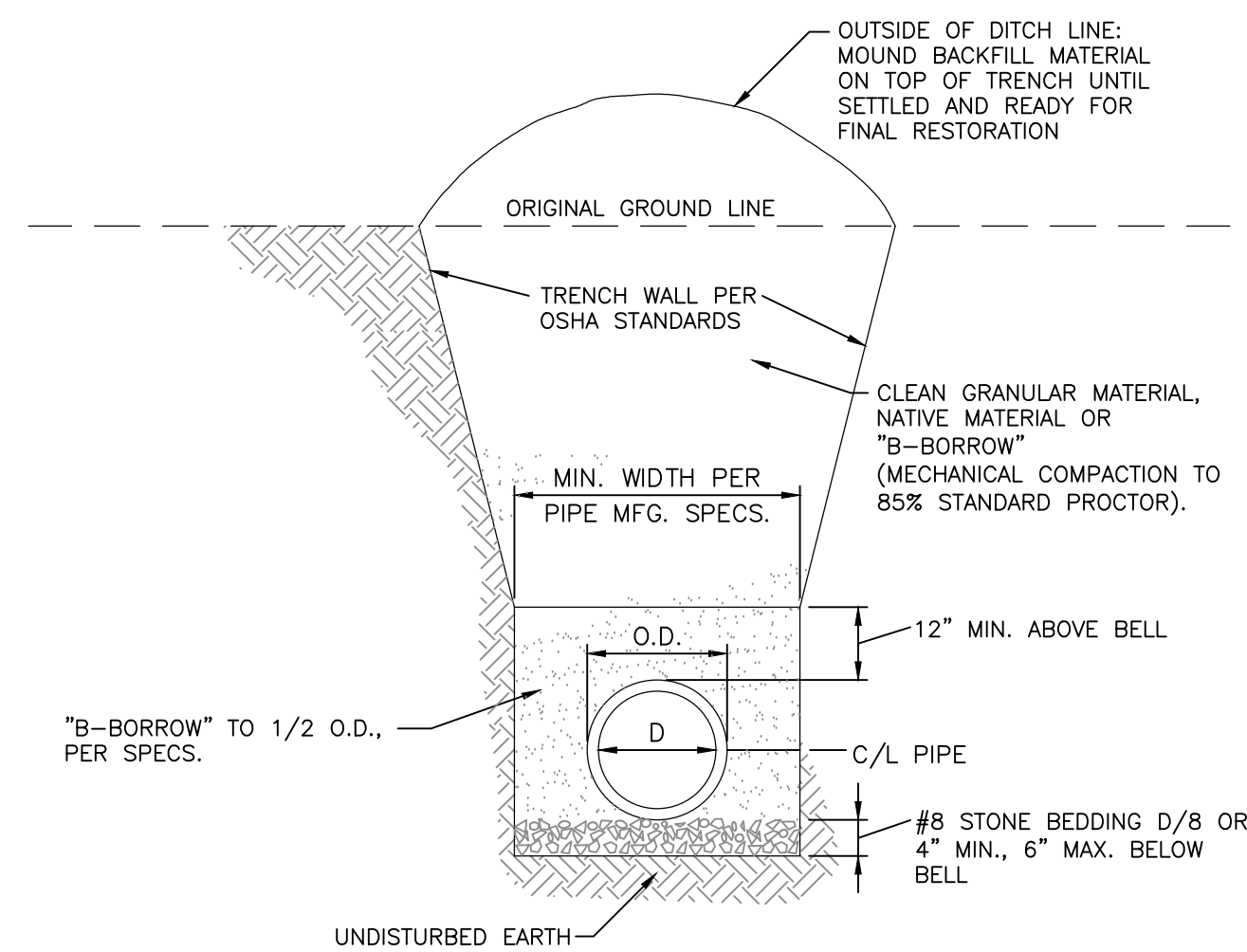
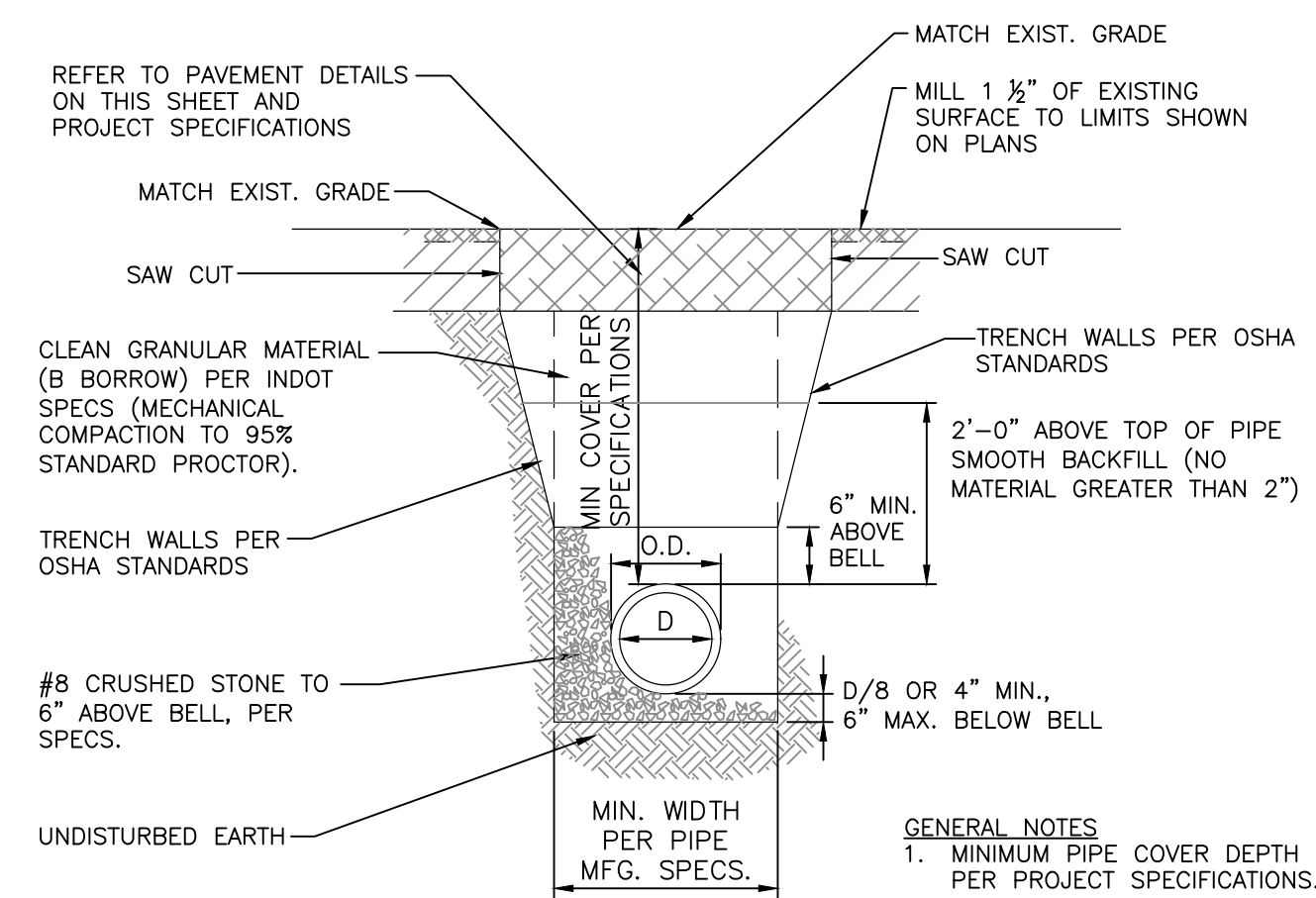


AREA OF BEARING FACE REQUIRED (SQ FT)			
PIPE SIZE (INCHES)	1/4 BEND TO 90°	1/8 OR 1/16 BEND	TEES AND PLUGS
4-6-8	3	3	3
10	4	3	3
12	6	3	4

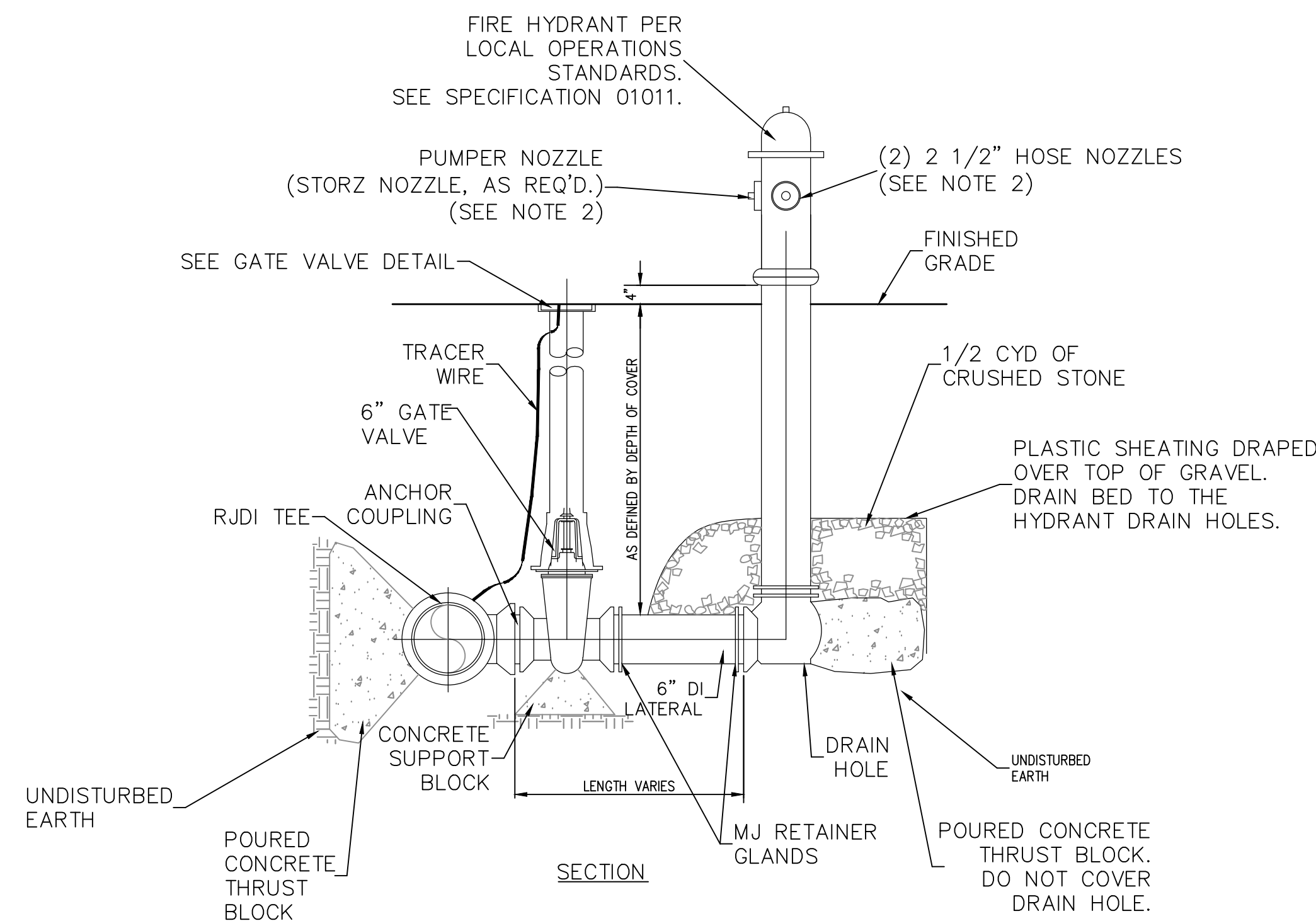
DESIGNED: DEW	DRAWN: DMW/CAS
CHECKED: TMS	CHECKED: DEW

MISCELLANEOUS DETAILS

HORIZONTAL SCALE	BRIDGE FILE		
—	—		
VERTICAL SCALE	DESIGNATION		
—	—		
SURVEY BOOK	SHEETS		
—	PP10	of	90
CONTRACT	PROJECT		
—	2024 - 262		

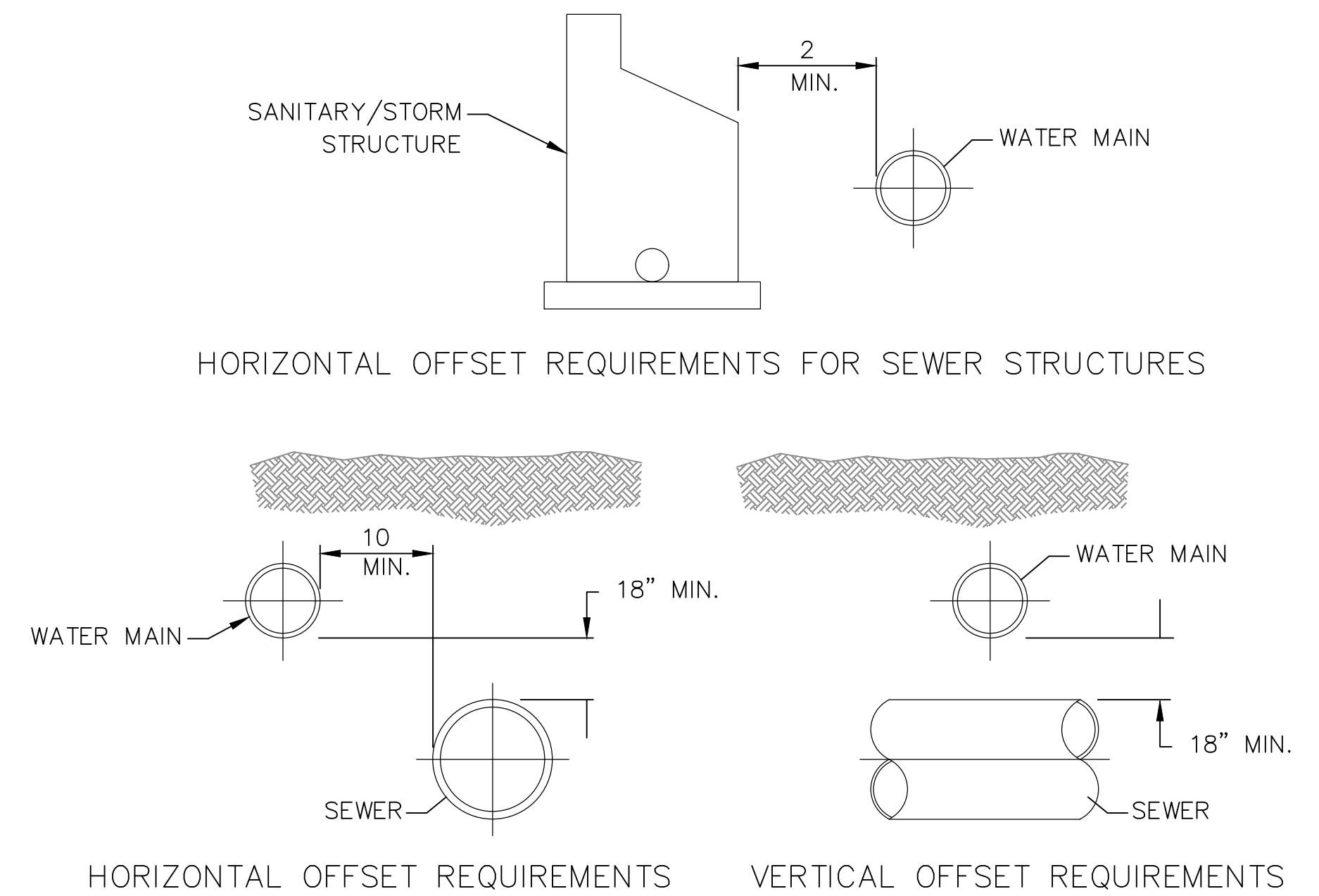


						RECOMMENDED FOR APPROVAL  DESIGN ENGINEER	SEPTEMBER 24, 2025 DATE	CITY OF TERRE HAUTE INDIANA	HORIZONTAL SCALE —	BRIDGE FILE —
						DESIGNED: DEW	DRAWN: DMW/CAS	MISCELLANEOUS DETAILS	VERTICAL SCALE —	DESIGNATION —
						CHECKED: TMS	CHECKED: DEW		SURVEY BOOK —	SHEETS PP11 of 90
									CONTRACT —	PROJECT 2024-262



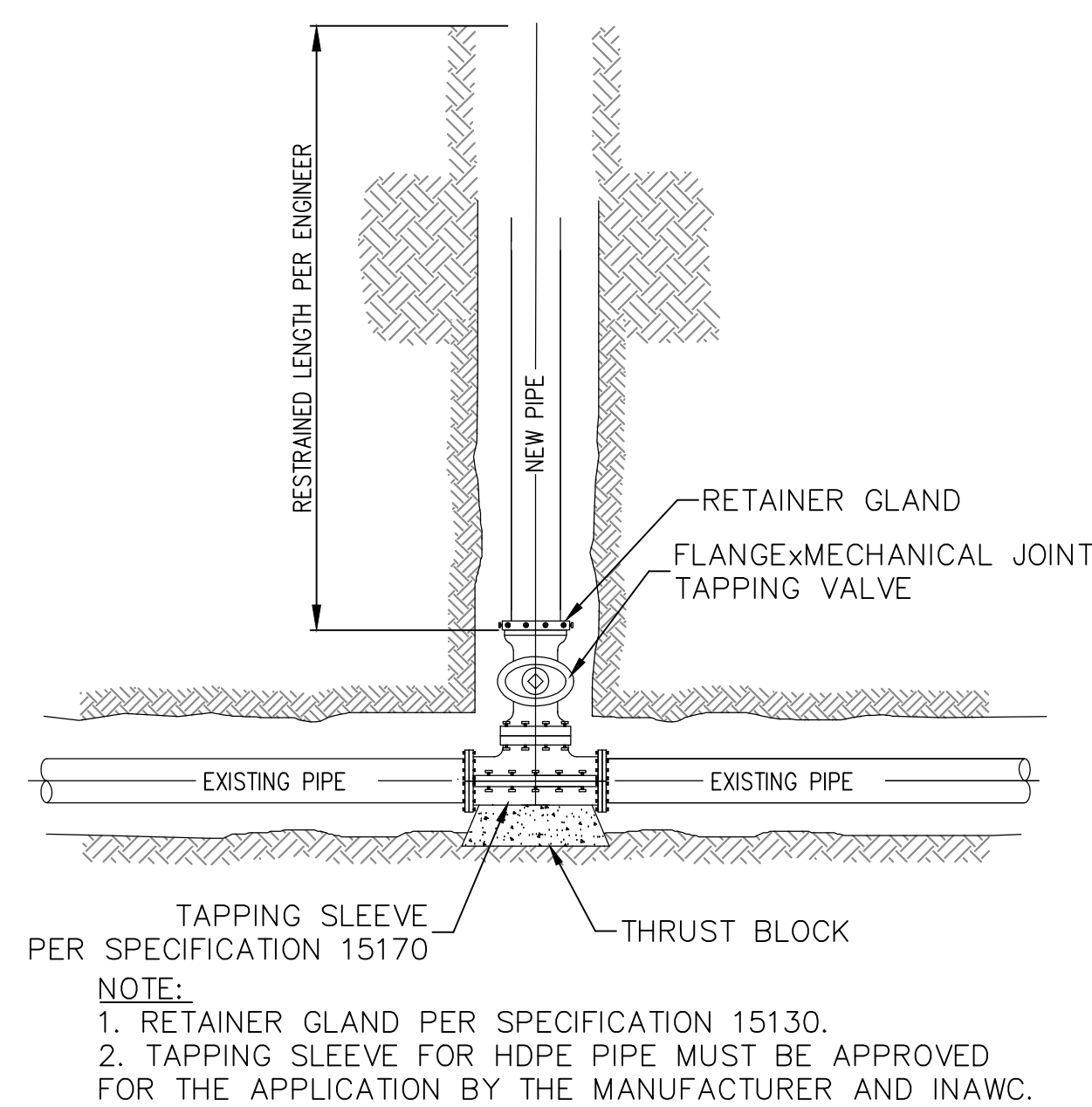
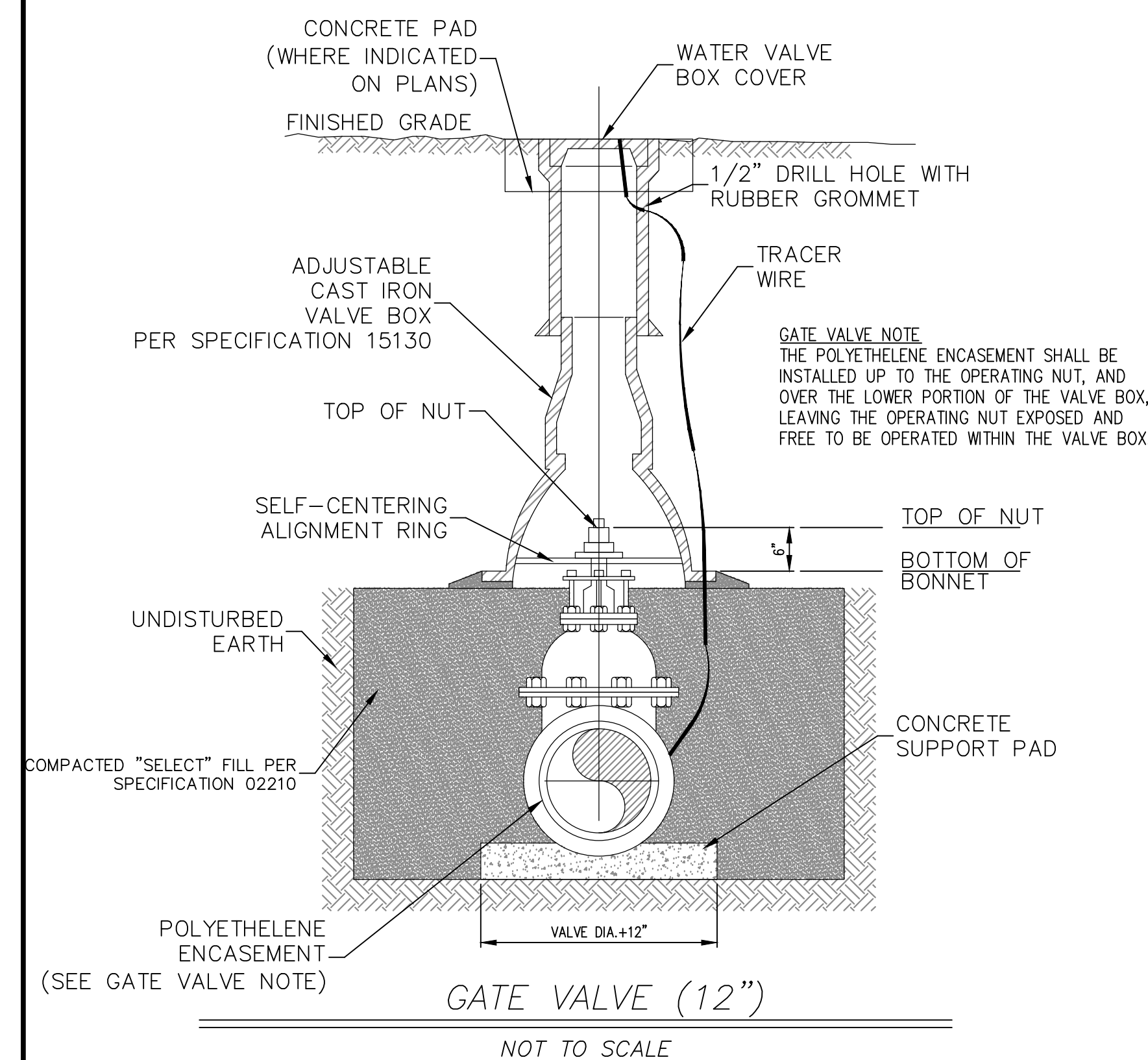
NOTE:
1. THE FIRE HYDRANT LATERAL, GATE VALVE, AND FIRE HYDRANT BARREL SHALL BE ENCASED IN POLYETHYLENE ENCASEMENT UP TO FINISHED GRADE PER SPECIFICATION 15130 PRIOR TO BACKFILL. THE POLYETHYLENE ENCASEMENT SHALL NOT INTERFERE WITH THE DRAIN HOLE.
2. WHEN INSTALLED BEHIND CURB, PUMPER AND HOSE NOZZLES TO BE AT LEAST 18"–24", DEPENDING ON LOCAL REQUIREMENTS, FROM FACE OF CURB.

FIRE HYDRANT DETAILS
NOT TO SCALE

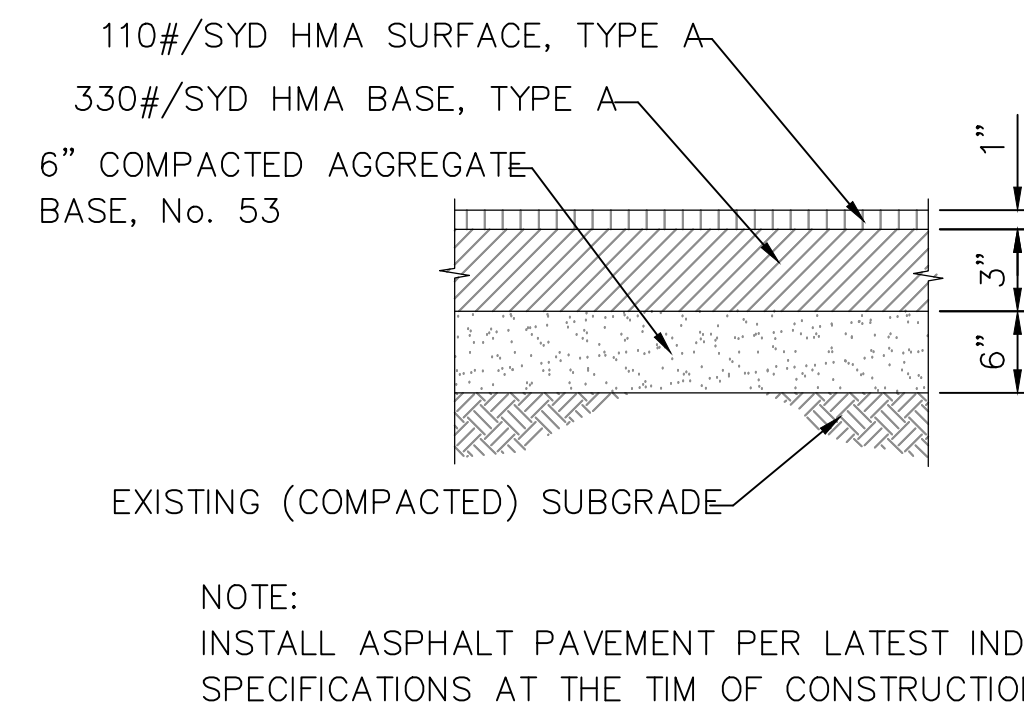


BASIC SEPARATION REQUIREMENTS:
1. WATER MAINS AND SEWERS SHOULD BE SEPARATED AS FAR AS IS REASONABLE IN BOTH THE HORIZONTAL AND VERTICAL DIRECTIONS. THE STANDARD DEPTH REQUIREMENTS PER COUNTY, AS SPECIFIED IN 327 IAC 8, SHALL BE MAINTAINED FOR ALL WATER MAIN CROSSINGS.
2. PARALLEL CONSTRUCTION: THE HORIZONTAL DISTANCE BETWEEN PRESSURE WATER MAINS AND SEWERS SHALL BE AT LEAST 10 FEET.
3. PERPENDICULAR CONSTRUCTION CROSSING: PRESSURE WATER MAINS SHALL BE AT LEAST 18 INCHES ABOVE SANITARY/STORM SEWERS WHERE THESE LINES MUST CROSS.

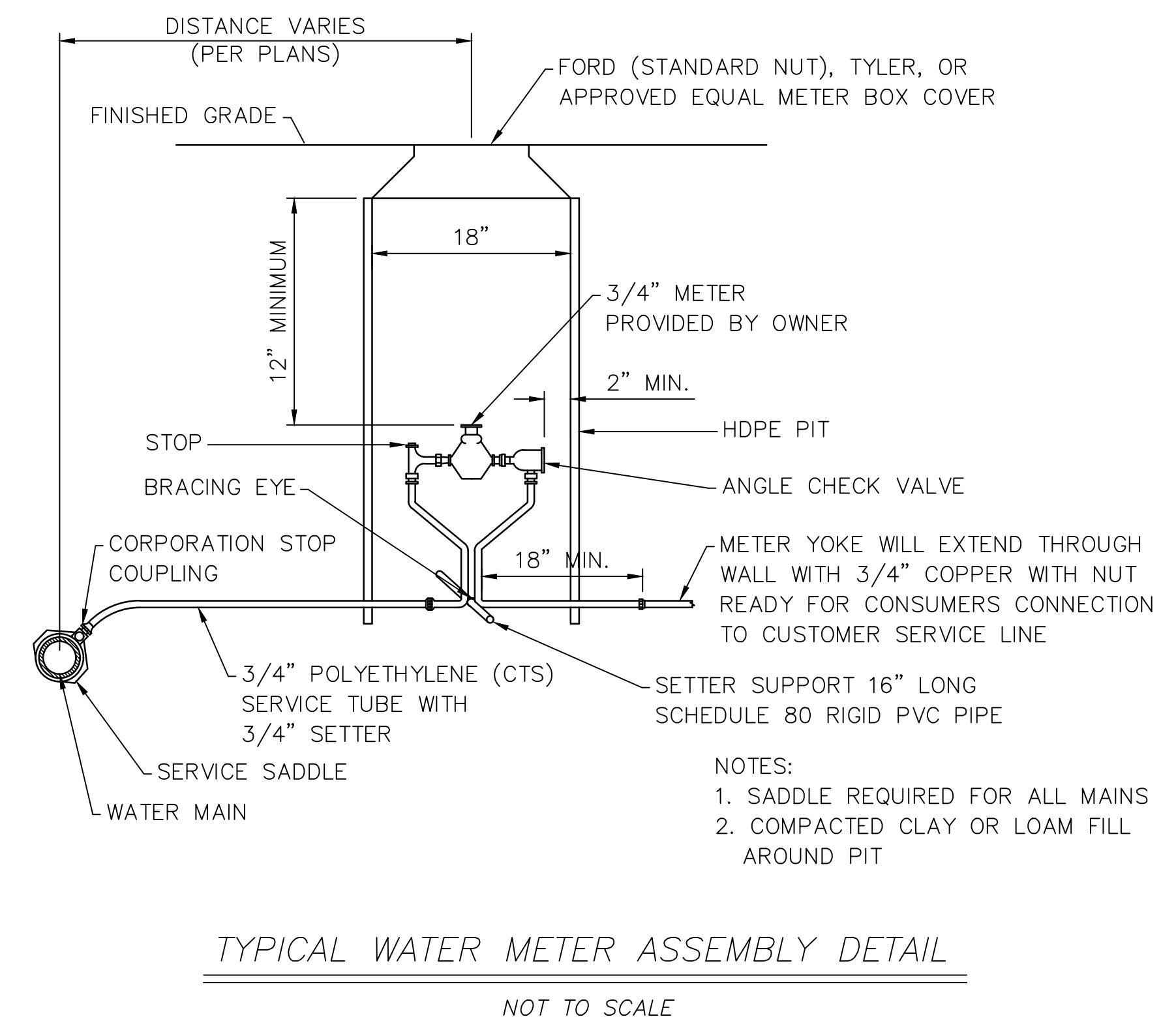
REQUIRED SEPARATION BETWEEN WATER MAINS
AND SANITARY/STORM SEWERS AND STRUCTURES
NOT TO SCALE



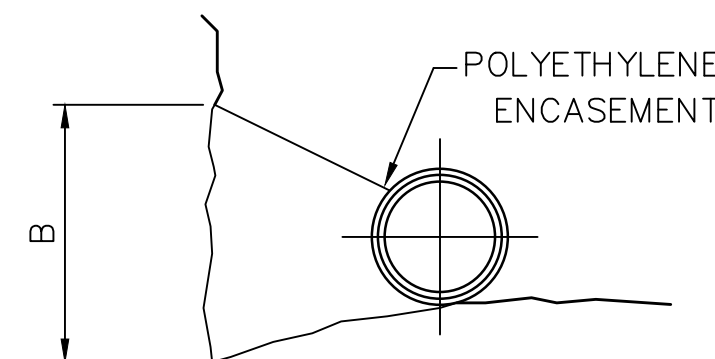
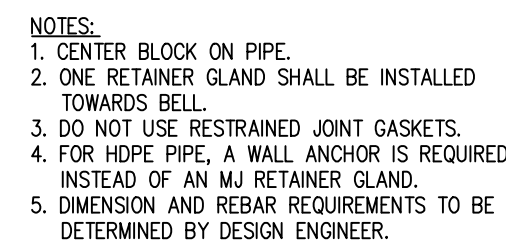
TAPPING VALVE & SLEEVE DETAIL
NOT TO SCALE



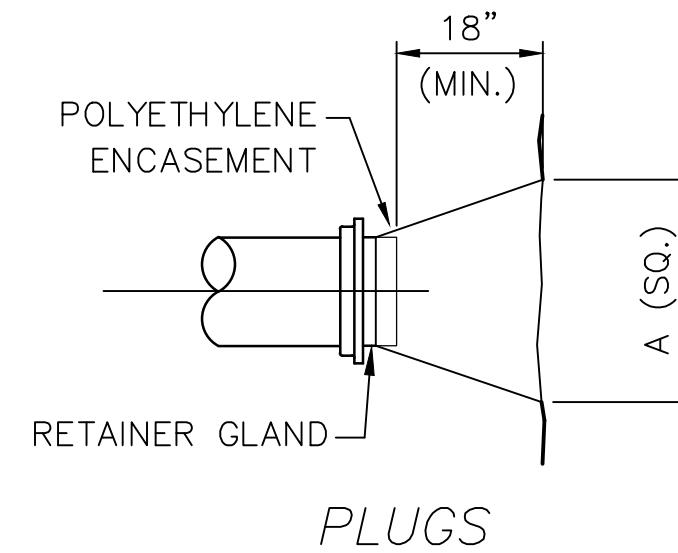
ASPHALT DRIVE REPAIR DETAIL
NOT TO SCALE



						RECOMMENDED FOR APPROVAL SEPTEMBER 24, 2025 DESIGN ENGINEER DATE	CITY OF TERRE HAUTE INDIANA	HORIZONTAL SCALE —	BRIDGE FILE —
						DESIGNED: DEW		VERTICAL SCALE —	DESIGNATION —
						CHECKED: TMS		SURVEY BOOK —	SHEETS PP12 of 90
						CHECKED: DEW	MISCELLANEOUS DETAILS	CONTRACT —	PROJECT 2024–262



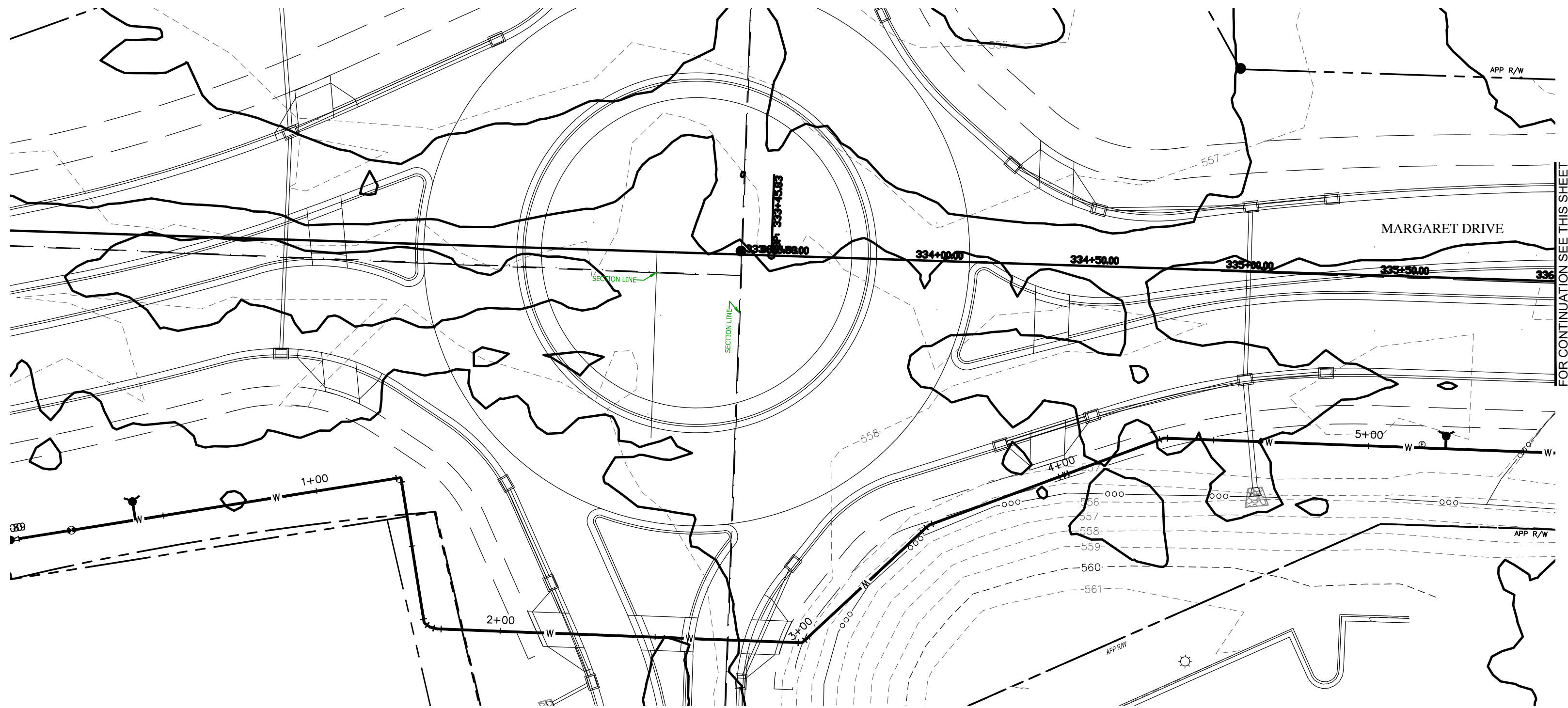
SECTION A-A
BENDS, TEES & CROSSES



THRUST BLOCKING DETAILS
NOT TO SCALE

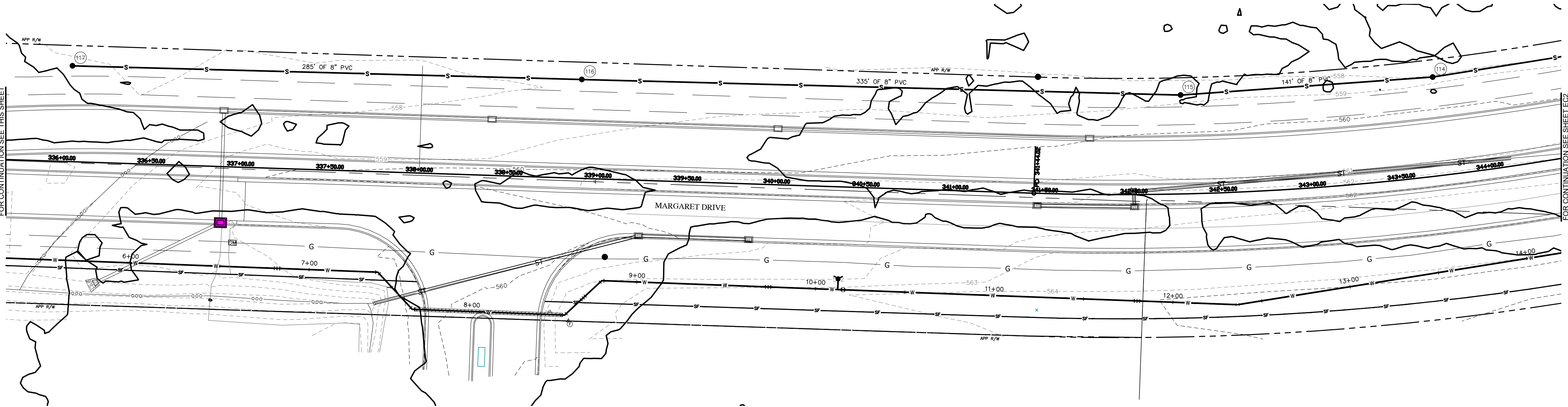
- NOTES:
1. THRUST BLOCK DIMENSIONS SHALL BE BY THE DESIGN ENGINEER
 2. THRUST BLOCKS SHALL BE INSTALLED AGAINST UNDISTURBED SOIL WITH ADEQUATE BEARING TO PREVENT MOVEMENT OF FITTING.
 3. NO THRUST BLOCKS TO BE PLACED IN SEWER LATERAL DITCHES.
 4. THRUST BLOCKING MUST FIT IN EASEMENT, IN SOME CASES ADDITIONAL RESTRAINT MAY BE REQUIRED.
 5. DESIGN TO BE BASED ON 200 PSI HYDROSTATIC WATER PRESSURE (150 PSI STATIC PRESSURE PLUS 50 PSI WATER MAIN HAMMER).
 6. INSTALL POLYETHYLENE ENCASEMENT ON ALL D.I. PIPE AND FITTINGS PRIOR TO POURING CONCRETE.
 7. PIPE JOINTS AND BOLTS MUST BE ACCESSIBLE.
 8. ALLOW SUFFICIENT CLEARANCE BETWEEN CONCRETE AND BOLTS FOR FUTURE MAINTENANCE.
 9. ALL ANCHOR BOLTS SHALL BE CORROSION RESISTANT, AND SIZED PER SPECIFICATION.
 10. THRUST BLOCKING DETAILS ARE SHOWN HERE FOR TYPICAL INSTALLATIONS. IN SOME CASES, ADDITIONAL RESTRAINT MAY BE REQUIRED.
 11. CONCRETE USED FOR THRUST BLOCKS SHALL BE MIN. 3000 PSI CONCRETE.
 12. FOR UNSTABLE SOIL CONDITIONS, THE ENGINEER SHALL VERIFY THRUST BLOCK DIMENSIONS.

						RECOMMENDED FOR APPROVAL  SEPTEMBER 24, 2025 DESIGN ENGINEER DATE	CITY OF TERRE HAUTE INDIANA	HORIZONTAL SCALE —	BRIDGE FILE —
						DESIGNED: DEW DRAWN: DMW/CAS	MISCELLANEOUS DETAILS	VERTICAL SCALE —	DESIGNATION —
						CHECKED: TMS CHECKED: DEW		SURVEY BOOK —	SHEETS PP13 of 90
								CONTRACT —	PROJECT 2024-262



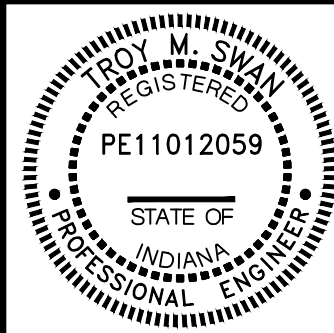
- EROSION CONTROL SEQUENCE OF OPERATIONS**
1. CONFIRM PROJECT STATUS WITH THE INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT (IDEM) AND VIGO COUNTY.
 2. AT THE PRE-CONSTRUCTION MEETING, PROVIDE DETAILS FOR CONSTRUCTION ACCESS INCLUDING LOCATIONS FOR CONSTRUCTION MATERIALS STOCKPILES.
 3. CLEARING AND GRUBBING ONLY AS NECESSARY FOR INSTALLATION OF PERIMETER CONTROLS OR AS DIRECTED BY THE ENGINEER.
 4. INSTALLATION OF PERIMETER EROSION CONTROL MEASURES (SILT FENCE, FIBER ROLLS, AND/OR FILTER SOCK).
 5. COMPLETE CLEARING AND GRUBBING ACTIVITIES. ROUGH GRADE FOR PROFILE GRADES AND ROADSIDE DITCHES.
 6. FINAL ROADSIDE DITCH GRADING AND STABILIZATION ARE TO BE COMPLETED AS SOON AS POSSIBLE. THE VEGETATION WILL ACT AS A FILTER STRIP TO REMOVE SEDIMENT FROM OFF-SITE AND ON-SITE RUNOFF. PROPOSED DITCHES ARE TO BE PROTECTED WITH PERMANENT SEEDING IN THE DITCH FLOWLINE WITHIN 7 CALENDAR DAYS OF COMMENCING DITCH CONSTRUCTION; IF THIS IS NOT PRACTICAL, THEY ARE TO RECEIVE TEMPORARY SEEDING WITHIN THE FLOW LINE, OR OTHER SUITABLE STABILIZATION MEASURES AS DIRECTED. ALL PERMANENT DITCH EROSION CONTROL MEASURES (RIP-RAP, SODDING, PERMANENT SEED) ARE TO BE COMPLETELY INSTALLED IMMEDIATELY AND/OR AS SOON AS PRACTICALLY POSSIBLE TO REDUCE RUNOFF FROM THE CONSTRUCTION SITE. PROVIDE ALL REQUIRED MONITORING AND MAINTENANCE OF TEMPORARY AND PERMANENT EROSION CONTROL MEASURES.
 7. INSTALL PERMANENT EROSION CONTROL MEASURES AT OUTLETS OF PROPOSED CULVERTS AND PIPES PRIOR TO INSTALLATION OF THE PIPE.
 8. INSTALL TEMPORARY INLET PROTECTION TO EXISTING INLETS. INLET PROTECTION SHALL BE MONITORED AND MAINTAINED.
 9. INSTALL FIRST TEMPORARY PUMP AROUND AND INSTALL PROPOSED 36" TWIN CULVERT. PROVIDE ALL REQUIRED MONITORING AND MAINTENANCE.
 10. INSTALL SECOND TEMPORARY PUMP AROUND AND INSTALL PROPOSED 30" TWIN CULVERT PIPE EXTENSION. PROVIDE ALL REQUIRED MONITORING AND MAINTENANCE.
 11. INSTALL REMAINING PROPOSED STORM SEWER STRUCTURES AND INSTALL TEMPORARY INLET PROTECTION TO PROPOSED INLETS. INLET PROTECTION SHALL BE MONITORED AND MAINTAINED.
 12. INSTALL CURB AND GUTTER AND CONSTRUCT PROPOSED ROADWAY.
 13. MONITORING AND MAINTENANCE OF ALL TEMPORARY EROSION CONTROL DEVICES SHALL BE REQUIRED UNTIL PERMANENT VEGETATION AND CONSTRUCTION HAS BEEN ESTABLISHED AND AS DIRECTED BY THE ENGINEER.
 14. REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES AFTER PERMANENT MEASURES ARE FULLY ESTABLISHED AND AS DIRECTED BY THE ENGINEER.

EROSION CONTROL PLAN
SCALE: 1" = 30'



EROSION CONTROL PLAN
SCALE: 1" = 30'

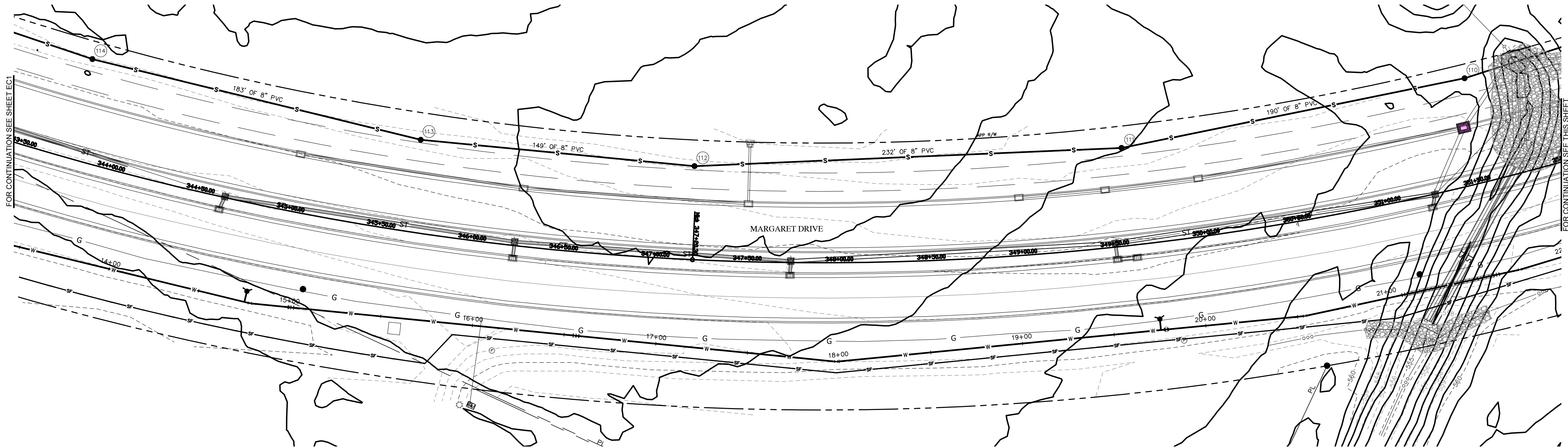
LEGEND
[Symbol] TEMPORARY INLET PROTECTION
[Symbol] SILT FENCE



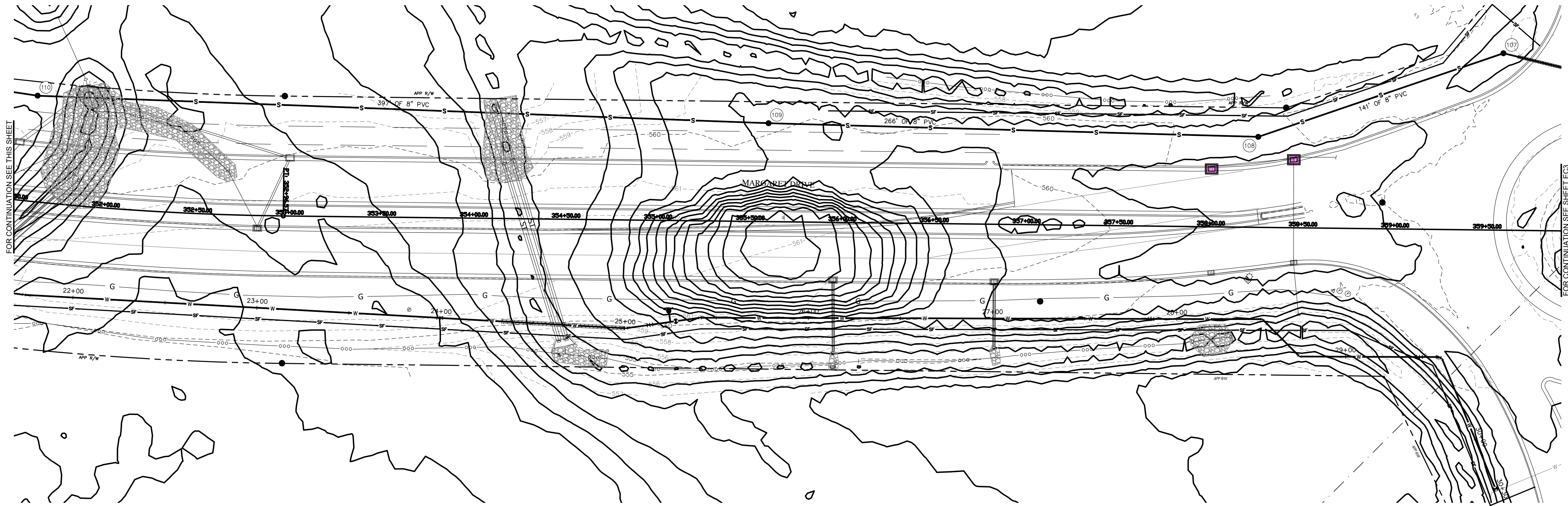
RECOMMENDED FOR APPROVAL [Signature] JULY 16, 2025
DESIGN ENGINEER DATE
DESIGNED: DEW DRAWN: DMW/CAS
CHECKED: TMS CHECKED: DEW

CITY OF TERRE HAUTE
INDIANA
TEMPORARY EROSION CONTROL SHEET

HORIZONTAL SCALE 1" = 30'	BRIDGE FILE -
VERTICAL SCALE 1" = 3'	DESIGNATION -
SURVEY BOOK -	SHEETS EC1 of 16
CONTRACT -	PROJECT 2024-262

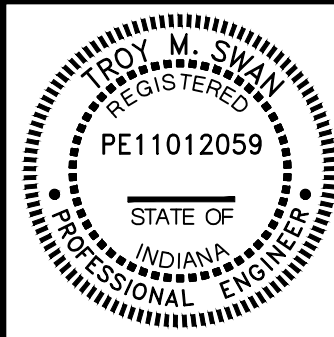


 **EROSION CONTROL PLAN**
SCALE: 1" = 30'



 **EROSION CONTROL PLAN**
SCALE: 1" = 30'

LEGEND	
	TEMPORARY INLET PROTECTION
	SILT FENCE



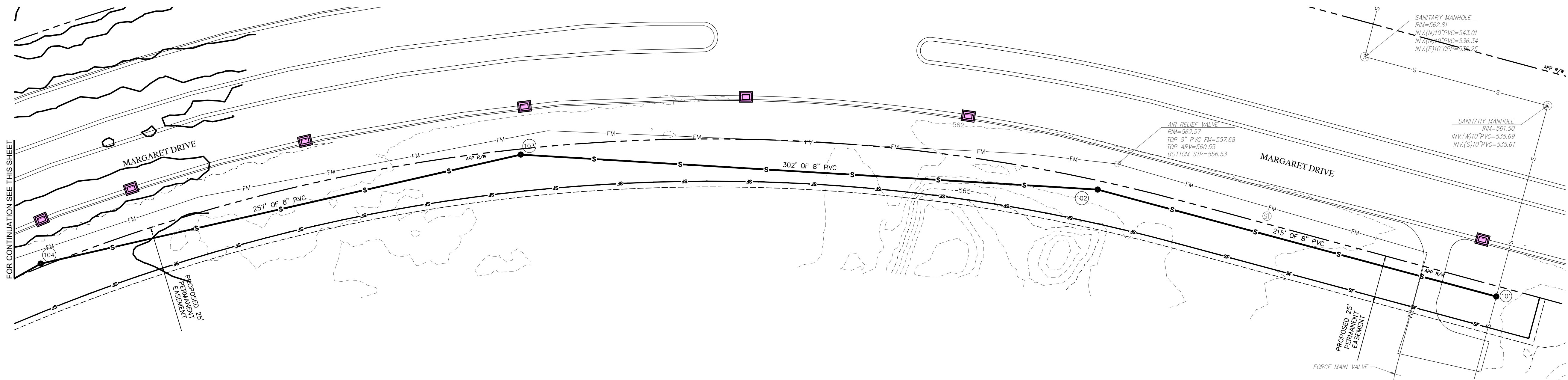
RECOMMENDED FOR APPROVAL 	
DESIGNED: DEW	DRAWN: DMW/CAS
CHECKED: TMS	CHECKED: DEW

CITY OF TERRE HAUTE INDIANA	
TEMPORARY EROSION CONTROL SHEET	

HORIZONTAL SCALE 1" = 30'	BRIDGE FILE -
VERTICAL SCALE 1" = 3'	DESIGNATION -
SURVEY BOOK -	SHEETS EC2 of 16
CONTRACT -	PROJECT 2024-262

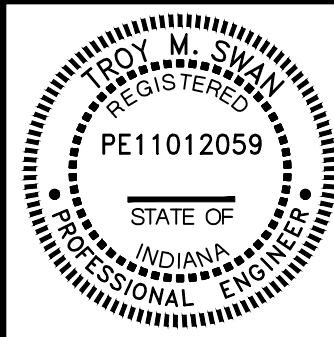


 **EROSION CONTROL PLAN**
SCALE: 1" = 30'



 **EROSION CONTROL PLAN**
SCALE: 1" = 30'

LEGEND	
	TEMPORARY INLET PROTECTION
	SILT FENCE



RECOMMENDED FOR APPROVAL 		JULY 16, 2025	
DESIGNED: DEW		DRAWN: DMW/CAS	
CHECKED: TMS		CHECKED: DEW	

CITY OF TERRE HAUTE	
INDIANA	
TEMPORARY EROSION CONTROL SHEET	

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	-
VERTICAL SCALE	DESIGNATION
1" = 3'	-
SURVEY BOOK	SHEETS
-	EC3 of 16
CONTRACT	PROJECT
-	2024-262