
Turkey Creek Regional Sewer District
Fascination Place
Water Main Improvements

ADDENDUM 2

January 30, 2026

Plan holders on the Turkey Creek Regional Sewer District, Fascination Place Water Main Improvement, are hereby notified of the following amendments to the contract documents. This Addendum is hereby made a part of the Contract Documents.

REFERENCE NOTE

- A Pre-bid meeting was conducted on January 22, 2026. The minutes to the meeting are attached for reference only, see attached.

SPECIFICATIONS

Instructions To Bidders: GRP not required at this time by the contractor.

Bid Form: Delete and replace with attached pages, Changes to bid items

Replace Pages 1 thru 9 with the attached Notice for Bids

Section C-01010: Delete and replace with attached pages, Changes to bid items.

Replace Pages 1 thru 19 with the attached Section 01010.

Section C-02599: Delete and replace with attached pages, Changes to meters and meter pits.

Replace Pages 1 thru 4 with the attached Section 02599.

DRAWINGS

All Sheets: Delete and replace all sheets, missing logo and checked by note, added sheets G-0.5- (General Summary), & SR-0.4- (Erosion Control Narrative). Note updates sheet W-0.2.

RECEIPT OF THIS ADDENDUM MUST BE ACKNOWLEDGED ON PAGE B-1 OF THE BID.

Turkey Creek Regional Sewer District

Project: Fascination Place Water Main Improvements
Date: January 22, 2026 @ 10:00 am
Location: 4852 N 1200 W, Cromwell, IN 46732

1. **Sign-In**, please complete the sign-in information, see attached
2. **Opening:**
No changes can be made at this meeting. Only an addendum can make changes to the construction documents.
3. **Addendum (1 at this time):** A second addendum will be issued after this meeting.
Addendum 1 was for the "Notice for Bids". Some wording was revised for SRF.
4. **Communications & Correspondence**
 - a. TCRSD Tim Woodward
 - b. Engineers John Magsam, email at tcrsd-wm@jheng.com
 - c. Inspector J&H
5. **Bid Date: see below**
6. **Bidding**

Bid Date: February 12, 2026 @ 2:00 pm to be opened during a public meeting
Deliver Bids to: Turkey Creek Regional Sewer District Wastewater Treatment Plant;
4852 N 1200 W, Cromwell, IN 46732

 - a. Include with your Bid:
 - i. Bid Pages C-410-1 through C-410-7
 - ii. Bid Security
 - iii. Evidence to do business in Indiana.
 - iv. Form 96
 - v. ~~GPR Breakdown, Attachment G in SRF Requirements, Exhibit 2~~ Not needed
 - b. Bid Award determination will be based on Base Bid
 - c. Bid to be held for up to 180 days.
 - d. Apparent Successful Bidder will be required to complete:
 - i. SRF Requirements in Exhibit 2
 1. Certification of Non-Segregated Facilities & Non-Discrimination
 2. Payroll Reporting (weekly or monthly) for Contractor & all Subcontractors
 - a. Wage/Fringe Benefit Certifications
 3. Good Faith (DBE) Efforts, Attachment D
 - a. Goals; MBE 7%, WBE 5%
 4. Attachment J, American Iron & Steel Certification
 5. Bidder's List Form
 - e. Davis Bacon Requirements, to be updated Friday before Bid Opening



7. Contract Time / Liquidated Damages (page A-1):

Approximate Start Date	Early August
Substantial Completion	270 days from Notice to Proceed date
Final Completion	300 days from the Notice to Proceed date
Liquidate Damages	\$500.00 per day

8. Description of the Work

To furnish and install approximately 11,000 LF of 6 to 12-inch water mains with hydrants, valves, around 180 meters & meter pits in Fascination Place subdivision.

- a. Allowances

9. General & Supplementary Conditions, (Contractor to review in detail)

- a. Insurance Requirements (see pages SC-5):
 - i. Separate Policy:
 - ii. Builders Risk

10. Payment:

- a. Once a month, third Mondays

11. General:

- a. Contractor to notify residents of parking restrictions
- b. Pressure testing
- c. Erosion / Pollution Control
- d. Traffic Control; local roads
- e. 02200-9 4.03 B & C
 - i. Existing soil can be used adjacent to pavement if no organic material is present.

12. Other Comments and Discussions

- a. The service line can be PEXa pipe or copper per the Specification section 02558. Drawing sheet W-0.2 only states copper but PEXa is allowed. We will add this note to the drawing.
- b. The project will require erosion control. Turkey Creek RSD will apply for the SWPPP. The contractor will have to provide erosion control per the plan.
- c. Meter software setup will be through the contract. The meter supplier will need to provide meter reading services per the specifications.
- d. The contractor shall pay for the Electronic Project Management System (EMPS). It will be part of Modulization costs.



- e. **Do sewer laterals need to meet the 18" vertical separation? No.**
- f. **Were soil borings done? We are expecting them soon and will post on bidding site when we get them.**
- g. **The alternate bid item for piping does not match the base bid piping quantities. We will review the items and adjust as necessary.**
- h. **What is the anticipated start date, can it be adjusted? We are looking to start construction this fall. If you need a later date than this, please let us know.**
- i. **Are there any tree replacements? No, not currently.**
- j. **Please note that right-of-way is 50-foot in the subdivision.**
- k. **Turkey Creek RSD is working on a "Right of Entry" to work on service lines that need to go beyond the right-of-way.**
- l. **Meter pits will be installed in the right-of-way. Currently there are approximately 25-27 existing shutoffs outside the right-of-way. The intent is to remove these shutoffs with the new service lines.**
- m. **Turkey Creek RSD is working on a boil advisory for the entire project timeline. TCRSD will provide the notices to the residents.**
- n. **Turkey Creek RSD offered to provide store in their well field site. After reviewing other projects in the area during the construction timeline the District cannot offer the well field site for this project.**

13. Meeting ended at 10:32am



Turkey Creek Regional Sewer District

Project: Fascination Place Water Main Improvements

Date: January 22, 2026 @ 10:00 am

Location: 4852 N 1200 W, Cromwell, IN 46732

Name	Representing	Phone Number	Email (optional)
John Magsam	Jones & Henry Eng	260-440-8304	j.magsam@jheng.com
Mike Harkness	Jones & Henry	260-440-8301	m.harkness@jheng.com
Trevor Molen	Eshelman Excavating	260-302-7906	Trevor@eshelmanco-pi.com
Eranden Wood	C&E Excavating	574-350-6455	bwood@candeexcavating.com
Rob Fisher	KLS	269-621-5725	rob.fisher@kls.com
Brian Swallow	Niblock Excavating	(574) 326-8118	Bswallow@niblockexc.com
Kevin L Sharick	KLS	260-350-1534	ksharick@kls.com
Tim Wachowicz	TCPSD	1-574-529-0098	TIM@TCPSD.IL
Emily Delorey	TCRSD	260-850-4341	emily@tcrsd.ca
John W. Berout	Berout, Inc	(260) 489-4561	john@berout-inc.com
Jeffrey S. Berout	Berout, Inc	(260) 489-4561	jberout@beroutgbs.com



Turkey Creek Regional Sewer District

Project: Fascination Place Water Main Improvements

Date: January 22, 2026 @ 10:00 am

Location: 4852 N 1200 W, Cromwell, IN 46732

Name

Representing

Phone Number

Email (optional)

Bob KUHNS

Selge Const.

(574) 292-8943

bkuhns@selgeconstruction.com

Ryan Senti

TCRSD

Jim Boone

TCRSD

Ethan Knapp

HRP Construction

574-271-7800

estimating@hrpconstruction.com

BID FORM

FASCINATION PLACE WATER IMPROVEMENTS

ARTICLE 1 – BID RECIPIENT

- 1.01 This Bid is submitted to:
Turkey Creek Regional Sewer District
4852 North 1200 West
Cromwell, Indiana 46732
- 1.02 The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an Agreement with Owner in the form included in the Bidding Documents to perform all Work as specified or indicated in the Bidding Documents for the prices and within the times indicated in this Bid and in accordance with the other terms and conditions of the Bidding Documents.

ARTICLE 2 – BIDDER’S ACKNOWLEDGEMENTS

- 2.01 Bidder accepts all of the terms and conditions of the Instructions to Bidders, including without limitation those dealing with the disposition of Bid security. This Bid will remain subject to acceptance for 150 days after the Bid opening, or for such longer period of time that Bidder may agree to in writing upon request of Owner.

ARTICLE 3 – BIDDER’S REPRESENTATIONS

- 3.01 In submitting this Bid, Bidder represents that:
- A. Bidder has examined and carefully studied the Bidding Documents, and any data and reference items identified in the Bidding Documents, and hereby acknowledges receipt of the following Addenda:

Addendum No.

Addendum, Date

_____	_____
_____	_____
_____	_____
_____	_____

- B. Bidder has visited the Site, conducted a thorough, alert visual examination of the Site and adjacent areas, and become familiar with and satisfied itself as to the general, local, and Site conditions that may affect cost, progress, and performance of the Work.
- C. Bidder is familiar with and has satisfied itself as to all Laws and Regulations that may affect cost, progress, and performance of the Work.
- D. Bidder has carefully studied all: (1) reports of explorations and tests of subsurface conditions at or adjacent to the Site and all drawings of physical conditions relating to existing surface

or subsurface structures at the Site that have been identified in the Supplementary Conditions, especially with respect to Technical Data in such reports (geotechnical) and drawings, if any, at or adjacent to the Site that have been identified in the Supplementary Conditions, especially with respect to Technical Data in such reports and drawings.

- E. Bidder has considered the information known to Bidder itself; information commonly known to contractors doing business in the locality of the Site; information and observations obtained from visits to the Site; the Bidding Documents; and any Site-related reports and drawings identified in the Bidding Documents, with respect to the effect of such information, observations, and documents on (1) the cost, progress, and performance of the Work; (2) the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder; and (3) Bidder's safety precautions and programs.
- F. Bidder agrees, based on the information and observations referred to in the preceding paragraph, that no further examinations, investigations, explorations, tests, studies, or data are necessary for the determination of this Bid for performance of the Work at the price bid and within the times required, and in accordance with the other terms and conditions of the Bidding Documents.
- G. Bidder is aware of the general nature of work to be performed by Owner and others at the Site that relates to the Work as indicated in the Bidding Documents.
- H. Bidder has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Bidding Documents and confirms that the written resolution thereof by Engineer is acceptable to Bidder.
- I. The Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for the performance and furnishing of the Work.
- J. The submission of this Bid constitutes an incontrovertible representation by Bidder that Bidder has complied with every requirement of this Article, and that without exception the Bid and all prices in the Bid are premised upon performing and furnishing the Work required by the Bidding Documents.

ARTICLE 4 – BIDDER'S CERTIFICATION

4.01 Bidder certifies that:

- A. This Bid is genuine and not made in the interest of or on behalf of any undisclosed individual or entity and is not submitted in conformity with any collusive agreement or rules of any group, association, organization, or corporation;
- B. Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid;
- C. Bidder has not solicited or induced any individual or entity to refrain from bidding; and
- D. Bidder has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the Contract. For the purposes of this Paragraph 4.01.D:
 - 1. "corrupt practice" means the offering, giving, receiving, or soliciting of anything of value likely to influence the action of a public official in the bidding process.

2. “fraudulent practice” means an intentional misrepresentation of facts made (a) to influence the bidding process to the detriment of Owner, (b) to establish bid prices at artificial non-competitive levels, or (c) to deprive Owner of the benefits of free and open competition.
3. “collusive practice” means a scheme or arrangement between two or more Bidders, with or without the knowledge of Owner, a purpose of which is to establish bid prices at artificial, non-competitive levels; and
4. “coercive practice” means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process or affect the execution of the Contract.

ARTICLE 5 – BASIS OF BID

- 5.01 Bidder will complete the Work in accordance with the Contract Documents for the price(s) included on C-410-4 and C-410-8. Bidder shall fill in all blanks on the Bid Form.

UNIT PRICE BID

Bidder acknowledges that (1) each Bid Unit Price includes an amount considered by Bidder to be adequate to cover Contractor's overhead and profit for each separately identified item, and (2) estimated quantities are not guaranteed, and are solely for the purpose of comparison of Bids, and final payment for all unit price Bid items will be based on actual quantities, determined as provided in the Contract Documents.

Item No.	Description	Estimated Quantity	Unit	Unit Cost in Numbers		Unit Price in Words	Total Estimated Cost of Item
1	Mobilization	1	LS				
2	Audio-Video Recording of the Zone of Influence	1	LS				
3	Pollution Prevention	1	LS				
4	Survey & Staking	1	LS				
5	Maintenance of Traffic	1	LS				
6a	6-inch Sanitary Sewer Tap Connection	40	EA				
6b	6-inch, PVC-SDR 26, Lateral	800	LF				
7a	6-inch Watermain, Open Cut, PVC / DIP	6,310	LF				
7b	8-inch Watermain, Open Cut, PVC / DIP	3,015	LF				
7c	12-inch Watermain, Open Cut, PVC / DIP	745	LF				
7d	12-inch watermain, HDPE, DR11, DI, HDD	480	LF				
7e	6-inch Insertion Tee	1	EA				

Item No.	Description	Estimated Quantity	Unit	Unit Cost in Numbers		Unit Price in Words	Total Estimated Cost of Item
7f	8-inch Insertion Tee	1	EA				
7g	Water Main Connection @ Robinhood	1	EA				
8a	6-inch Insertion Valve	1	EA				
8b	8-inch Insertion Valve	1	EA				
8c	6-inch Gate Valve	17	EA				
8d	8-inch Gate Valve	8	EA				
8e	12-inch Gate Valve	2	EA				
8f	Valve Removal of Existing Valve	8	EA				
9a	Hydrants	12	EA				
9b	Hydrant removal	5	EA				
10a	Service Tubing, 3/4-inch, Open Cut	1,500	LF				
10b	Service Tubing, 1-inch, Bored	2,800	LF				
10c	Service Tubing, 1-inch, Open Cut	710	LF				
10d	¾-inch Lead Service Line Replacement (Undistributed)	1	LS	\$15,000	00	Fifteen thousand dollars	\$15,000 00

868-8305.001
01/2026

Addendum 2
Turkey Creek RSD
Fascination PI WM Improvements

Item No.	Description	Estimated Quantity	Unit	Unit Cost in Numbers		Unit Price in Words	Total Estimated Cost of Item
10e	Water Service Connection, 1-inch	135	EA				
10f	¾-inch Water Meter, Install only	186	EA				
10g	1-inch Water Meter, Install only	2	EA				
10h	Single Water Meter Pit	83	EA				
10i	Dual Water Meter Pit	52	EA				
11a	Automated Meter Reading Software & Equipment	1	LS			Deleted Item	
11b	Advanced Metering Infrastructure Equipment	1	LS			Deleted Item	
12	Special Backfill	3,300	CY				
13a	12-inch, #8 Aggregate Base	3,000	SY				
13b	8-Inch, #53 Aggregate Drive	1,000	SY				
13c	3-inch Asphalt Cement Base	370	TON				
13d	1-1/2-inch Asphalt Cement Surface	200	TON				
14	6-inch Concrete Drive	300	SF				

Item No.	Description	Estimated Quantity	Unit	Unit Cost in Numbers		Unit Price in Words	Total Estimated Cost of Item
15a	Clearing & Grubbing	100	LF				
15b	Tree Removal, 6-inches Diameter or Larger	5	EA				
16	Seed & Mulch	6,500	SY				
17	Record Documents	1	LS				
Base Bid Total Estimated Construction Cost Bid:							
Alternate Bid Items							
7a	8-inch Watermain, HDPE, DR11, DI, HDD for 6-inch PVC / DIP main	6310	LF				
7b	10-inch Watermain, HDPE, DR11, DI, HDD, 8-inch PVC / DIP main	3,015	LF				
7c	12-inch Watermain, HDPE, DR11, DI, HDD, 12-inch PVC / DIP main	1,225	LF				
Alternate Bid Total Estimated Construction Cost Bid:							

ARTICLE 6 – TIME OF COMPLETION

- 6.01 Bidder agrees that the Work will be substantially complete within 270 calendar days after the date when the Contract Times commence to run as provided in Paragraph 4.01 of the General Conditions and will be completed and ready for final payment in accordance with Paragraph 15.06 of the General Conditions within 310 calendar days after the date when the Contract Times commence to run.
- 6.02 Bidder accepts the provisions of the Agreement as to liquidated damages.

ARTICLE 7 – ATTACHMENTS TO THIS BID

- 7.01 The following documents are submitted with and made a condition of this Bid:
- A. Required Bid security.
 - B. Evidence of authority to do business in the state of the Project.
 - C. Required Bidder Qualification Statement with supporting data; and
 - D. List of Proposed Subcontractors.
 - E. List of Proposed Suppliers.
 - F. List of Project References;
 - G. Contractor's License No.: **[or]** Evidence of Bidder's ability to obtain a State Contractor's License and a covenant by Bidder to obtain said license within the time for acceptance of Bids; *[List other documents and edit above as pertinent]*

ARTICLE 8 – DEFINED TERMS

- 8.01 The terms used in this Bid with initial capital letters have the meanings stated in the Instructions to Bidders, the General Conditions, and the Supplementary Conditions.

ARTICLE 9 – BID SUBMITTAL

BIDDER: *[Indicate correct name of bidding entity]*

By:

[Signature] _____

[Printed name] _____

(If Bidder is a corporation, a limited liability company, a partnership, or a joint venture, attach evidence of authority to sign.)

Attest:

[Signature] _____

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01/2026

Addendum 2
Turkey Creek RSD
Fascination PI WM Improvements

[Printed name]

Title:

Submittal Date:

Address for giving notices:

Telephone Number:

Fax Number:

Contact Name and e-mail address:

Bidder's License No.:

(where applicable)

SECTION 01010
DEFINITION OF CONTRACT ITEMS

PART 1 GENERAL

1.01 FOREWORD

- A. This Section describes the various Contract Items listed in the Bid.

1.02 WORK INCLUDED

- A. Under each Item the Contractor shall furnish all labor, materials, tools, plant equipment, supplies, maintenance of equipment, heating, lighting and power, insurance and bonds, coordination, and all Work and in accordance with the Specifications Parts A, B, and Divisions 1 through 16 of Part C and necessary to complete the Work in accordance with the obvious or expressed intent of the Contract Documents.

1.03 WORKMANSHIP AND MATERIALS

- A. The quality of workmanship and materials entering into any and all of the Items and the Work included shall conform to pertinent sections, paragraphs, sentences, and clauses, both directly and indirectly applicable thereto, contained in the Contract Documents, whether or not direct reference to such occurs under each Item in this Section.

1.04 PAYMENT

- A. The lump sum and unit prices stated in the Bid shall be payment in full for the completion of all Work specified and described or required to be included in the Contract, complete, and ready for use.

PART 2 PRODUCTS

Not used.

PART 3 EXECUTION

Not used.

PART 4 SPECIAL PROVISIONS

4.01 CONTRACT ITEMS

- A. The contract items are defined on the following pages.

ITEM 1
MOBILIZATION

1.01 DESCRIPTION

- A. This Item is intended to pay non-recurring cost to the Contractor not recovered under other pay Items of the Contract.
- B. This Item shall include, but not be limited to, the cost for moving equipment in and out, performance and payment bonds, insurance, permits, utility connection cost, and other expenses associated with preparation for construction in accordance with the requirements of the Contract Documents.
- C. This item is intended to be in accordance with the Supplemental Conditions SC 2.6.
- D. This item specifically includes the cost of the EPMS specified in section 01320.

1.02 WORK NOT INCLUDED

- A. Any Work specifically included under other Bid Items.

1.03 DEFINITION OF ITEM

- A. Item 1 - Includes Mobilization

1.04 MEASUREMENT

- A. The lump sum stated in the Bid shall be full compensation for all Work required under Item 1.
- B. The Contractor is reminded of the requirements of Supplemental Conditions Section 2.6.3 regarding Mobilization and Demobilization costs as a percentage of the total project cost.

1.05 PAYMENT

- A. Payment shall be in accordance with Supplemental Conditions SC 2.6 The Engineer may reduce the amount to be paid under Item 1 if the percentage requested is not represented by the actual amount performed.

ITEM 2
AUDIO-VIDEO RECORDING

2.01 DESCRIPTION

- A. Under this Item, the Contractor shall produce and deliver to the Owner, color audio-video recordings of existing topography within the zone of influence along all water main routes and audio-video recordings of designated buildings and dwellings as specified and directed.

2.02 WORK NOT INCLUDED

Not used.

2.03 DEFINITION OF ITEM

- A. Item 2 - Includes Audio-Video Recording of the Zone of Influence.

2.04 MEASUREMENT

- A. The lump sum stated in the Bid shall be full compensation for all Work required under Item 2.
- B. Audio-video recording of the defined zone of influence along specified routes as shown in the drawings of proposed water main & meters.

2.05 PAYMENT

- A. The lump sum price stated in the Bid for Item 2 shall be full compensation for all audio-video recording production.

ITEM 3
POLLUTION PREVENTION

3.01 DESCRIPTION

- A. This Item shall include all Work specified in the SWPPP including preparation of a Pollution Prevention Plan, installation, maintenance, and removal of all Pollution Prevention measures.
- B. The weekly inspection and reporting of all Pollution Prevention measures shall be included under this item.
- C. Obtaining permits and co-permittee coverage specified shall be included under this item.

3.02 WORK NOT INCLUDED

Not used.

3.03 DEFINITION OF ITEM

- A. Item 3 - Includes Pollution Prevention.

3.04 MEASUREMENT

- A. The quantities to be paid for under Item 3 shall be lump sum for all pollution prevention measures.

3.05 PAYMENT

- A. The lump sum stated in the Bid shall be full compensation for all Work required under Item 3.
- B. Payment shall be made in the amount of 20% of the lump sum Bid price for Item 3 for the first monthly estimate and 5% for each monthly estimate thereafter until the lump sum Bid amount for Item 3 has been paid.
- C. The Engineer may reduce the amount to be paid under Item 3 if the percentage requested is not represented by the actual amount performed.

ITEM 4
SURVEY AND STAKING

4.01 DESCRIPTION

- A. Under this Item, the Contractor shall perform all work that pertains to the survey and staking of the project, as shown on the Drawings and specified within relevant sections.
- B. This Item shall include all survey and staking to locate easements, right-of-way, place structures, force mains, and sewers required to complete the work as specified.
- C. Surveying of the project includes staking station deflection points in the field prior to work commencing. A minimum of 3 ties are required for reestablishing survey points at any time during and after the construction phase.

4.02 DEFINITION OF ITEM

- A. Item 4 - Includes Survey and Staking

4.03 MEASUREMENT

- A. The lump sum to be paid for under Item 4 shall be to stake, inspect, maintain and record survey control items throughout the project.

4.04 PAYMENT

- A. The lump sum price stated in the Bid shall be full compensation for survey and staking of the work as required to completed work as specified, shown on the Drawings or required.

ITEM 5
MAINTENANCE OF TRAFFIC

5.01 DESCRIPTION

- A. This Item shall include the furnishing and maintaining of measures required to maintain traffic through or around the proposed Work.
- B. This Item shall include detour routes as specified in the Contract Documents.
- C. Flaggers may be required as needed during construction, including installation of the water main, removing existing items, service lines, road repair, etc.

5.02 WORK NOT INCLUDED

Not used.

5.03 DEFINITION OF ITEM

A. Item 5 – Includes Maintenance of Traffic.

5.04 MEASUREMENT

A. The quantities to be paid for under Item 5 shall be lump sum for all maintenance of traffic measures.

5.05 PAYMENT

B. The unit price stated in the Bid for Item 5 shall be full compensation for the lump sum of maintenance of traffic measures provided.

ITEMS 6
SEWER PIPE

6.01 DESCRIPTION

- A. Under these Items, the Contractor shall furnish and perform all Work necessary for the installation of the sewer pipe damaged as part of the installation of the new water main, service lines or meter pit.
- B. These Items shall include all Work to install the sewers, including but not limited to the following: excavation; pavement removal; saw-cutting; concrete drive, curb and walk removal; removal and replacement of fences including fabric and posts; hauling excess spoil material from Site; backfill; compaction; bedding; pipe materials; fittings; connections to existing sewers; construction maintenance and removal of temporary access to the Work area; and related Work such as performing material testing; deflection and infiltration tests.
- C. Sewer tap connection, for existing sewer pipe, to the sewer shall be included under these Items.
- D. Maintaining existing sewers in operation and temporary flow stoppage, diversions and sewer flow by-pass connections shall be included under these Items.
- E. All Work required to dewater trenches is included under these Items.
- F. Temporary supporting existing utilities, locating of existing utilities, exploratory excavation and backfill required by the utility owner for existing utilities encountered during sewer construction is included under these Items.
- G. Vertical pipe sections and riser pipes for 6-inch lateral sewers and cleanouts shall be included under these Items.

- H. No addition compensation shall be considered for sewers installed within 2 feet of the elevation shown on the Drawings.
- I. The placement, compaction and grading of fill required for backfilling drainage ways enclosed in pipes is included under this Item.

6.02 WORK NOT INCLUDED

- A. Pavement replacement within the Contract limits is included under other Items.
- B. Seeding, mulching, and fertilizing all disturbed lawn areas shall be included under other Items.
- C. Sewers installed to convey sewage around or through the Work during construction will not be measured for payment.
- D. Damage to existing utilities shall be the responsibility of the Contractor.
- E. The furnishing and placing of special backfill in areas specified under Section 02200, is included under other Items.

6.03 DEFINITION OF ITEMS

- A. Item 6a – Includes 6-inch Sanitary Sewer Tap Connection
- B. Item 6b - Includes 6-inch, PVC – SDR 26 Laterals

6.04 MEASUREMENT

- A. The quantities to be paid under Item 6a shall be full compensation for each lateral tap provided and installed in accordance with the Specifications and Drawings.
- B. The quantities to be paid under Item 6b shall be the horizontal length of pipe measured parallel to the axis of the line along the surface of the ground.

6.05 PAYMENT

- A. The unit price stated in the Bid for Item 6a shall be full compensation for each lateral tap supplied and installed as specified and required.
- B. The unit prices stated in the Bid for Item 6b shall be full compensation for each linear foot of pipe of the sizes furnished and installed as specified, so measured.

ITEMS 7
WATER LINES

7.01 DESCRIPTION

- A. Under these Items, the Contractor shall furnish and perform all Work necessary for the installation of the water lines as scheduled, shown on the Drawings and specified, in conformance with relevant sections of the Specifications.

- B. These Items shall include all Work to install the waterlines , including but not limited to the following: excavation; pavement and rigid base removal; saw-cutting, concrete drive, curb and walk removal; backfill; compaction; bedding; pipe materials; fittings; maintenance of trenches; temporary pavement; connections to existing water mains; and related Work and materials such as blow offs to perform disinfection, flushing, performing pressure and bacteriological tests as shown on the Drawings and specified in conformance with relevant Sections of the Specifications.
- C. These Items shall also include all Work under the Contract unless specifically included for payment under other Items.
- D. Connections of new water lines to existing water lines shall be included under these Items, unless specifically included under other items. Temporary supporting of existing utilities, locating of existing utilities, exploratory excavation and backfill required. Items, include cutting and removal of existing main to furnish and install all fittings (couplings, tee), and piping to complete the connection.
- E. These Items shall include all water main fittings, accessories and appurtenances not included in other pay items. Fittings, including those not shown on the plans required to avoid existing utilities shall be included under these Items.
- F. All Work necessary to abandon designated existing water lines is included under these Items.
- G. All repairs of existing utilities damaged, as a result of construction, are included under these Items.

7.02 WORK NOT INCLUDED

- A. Pavement replacement within the Contract limits is included under other Items.
- B. Valves, inserting valves, valve manhole structures are included under other items.
- C. Hydrant assemblies including associated 6-inch water main piping are included under other items.
- D. The abandonment of existing valves and removal of existing fire hydrants are included under other Items.
- E. All Work necessary to reconnect existing water services are included for payment under other Items.
- F. Restoration of landscape surface improvements including seeding, mulching, and fertilizing all disturbed lawn areas shall be included under these Items, unless specifically included under other items.

7.03 DEFINITION OF ITEMS

- A. Item 7a – Includes 6-inch Watermain, Open Cut, PVC / DIP.
- B. Item 7b – Includes 8-inch Watermain, Open Cut, PVC / DIP
- C. Item 7c – Includes 12-inch Watermain, Open Cut, PVC / DIP

- D. Item 7d – Includes 12-inch watermain, HDPE, DR11, DI, HDD
- E. Item 7e – Includes 6-inch Insertion Tee
- F. Item 7f – Includes 8-inch Insertion Tee
- G. Item 7g – Includes Water Main Connection at Robinhood

7.04 MEASUREMENT

- A. The quantities to be paid for under Items 7a through 7d shall be the horizontal length of pipe measured parallel to the axis of the line along the surface of the ground.
- B. The quantities to be paid under Items 7e and 7f shall be full compensation for each item installed in accordance with the Specifications and Drawings.
- C. The quantity to be paid under Item 7g shall be lump sum for the item installed in accordance with the Specifications and Drawings.

7.05 PAYMENT

- A. The unit price stated in the Bid for Items 7a through 7d shall be full compensation for each linear foot, furnished and installed as specified so measured.
- B. The unit price stated in the Bid for Items 7e & 7f shall be full compensation for each item, so measured, as specified, and required.
- C. The unit price stated in the Bid for Item 7g shall be full compensation for the lump sum of water main connection in accordance with the Specifications and Drawings.

ITEM 8
VALVES

8.01 DESCRIPTION

- A. Under these Items, the Contractor shall furnish and perform all Work necessary for the installation of the valves and accessories as shown on the Drawings and specified in conformance with relevant Sections of the Specifications.
- B. These Items shall include all Work to install or remove the valves, including but not limited to the following: excavation; pavement removal; saw-cutting; concrete drive, curb and walk removal; removal and replacement of fences including fabric and posts; hauling excess spoil material from Site; backfill; compaction; bedding; pipe materials; fittings and pipe connections; construction, maintenance and removal of temporary access to the Work area; and related Work such as performing material testing.
- C. Inserting valves (cutting-in-valves) shall be included under these Items.

8.02 WORK NOT INCLUDED

- A. Pavement replacement within Contract limits is included for payment under other Items.

- B. 6-inch gate valves associated with fire hydrant assemblies are included under Hydrant Item.

8.03 DEFINITION OF ITEMS

- A. Item 8a – Includes 6-Inch Insertion Valve.
- B. Item 8b – Includes 8-Inch Insertion Valve
- C. Item 8c – Includes 6-inch Gate Valve.
- D. Item 8d – Includes 8-inch Gate Valve
- E. Item 8e – Includes 12-inch Gate Valve.
- F. Item 8f – Includes Valve Removal of Existing Valve

8.04 MEASUREMENT

- A. The quantities to be paid under Items 8a through 8f shall be full compensation for each valve and box or manhole provided in accordance with the Specifications and Drawings.

8.05 PAYMENT

- A. The unit price stated in the Bid for Items 8a through 8e shall be full compensation for each valve and box as specified and required.
- B. The unit price stated in the Bid for Item 8f shall be full compensation for each existing valve removed so measured, as specified and required.

ITEM 9
HYDRANT ASSEMBLIES

9.01 DESCRIPTION

- A. Under these Items, the Contractor shall furnish and perform all Work necessary for the installation of the fire hydrant assemblies, shown on the Drawings and specified, in conformance with relevant sections of the Specifications.
- B. These Items shall include all Work to install the fire hydrant assemblies, including but not limited to the following: excavation; pavement removal; saw-cutting; concrete drive, curb and walk removal; removal and replacement of fences including fabric and posts; hauling excess spoil material from Site; backfill; compaction; bedding; pipe materials; fittings; connections to water lines; construction, maintenance and removal of temporary access to the Work area; and related Work such as performing material testing.
- C. The removal and salvaging of existing fire hydrants for the owner shall be included under these Items. Hydrant valves to be removed shall be included under these Items.

9.02 WORK NOT INCLUDED

- A. Pavement replacement within Contract limits is included for payment under other Items.

9.03 DEFINITION OF ITEMS

- A. Item 9a – Includes Hydrant Assembly.
- B. Item 9b – Includes Hydrant Removed.

9.04 MEASUREMENT

- A. The quantity to be paid under Items shall be the measured quantity of each fire hydrant assembly completed or removed as specified, shown on the drawings and so measured.

9.05 PAYMENT

- B. The unit price stated in the Bid for Item 9a shall be full compensation for each hydrant assembly so measured, as specified and required.
- C. The unit price stated in the Bid for Item 9b shall be full compensation for each hydrant removed so measured, as specified and required.

ITEM 10
WATER SERVICES

10.01 DESCRIPTION

- A. Under these Items, the Contractor shall perform all work necessary for the installation of the water services and meters. The Contractor shall furnish and preform all work necessary for the installation of the meter pits shown on the Drawings and specified, in conformance with relevant sections of the Specifications.
- B. These Items shall include all Work to install the water services and meter pits, including but not limited to the following: excavation; pavement removal; saw-cutting; concrete drive, curb and walk removal; removal and replacement of fences including fabric and posts; hauling excess spoil material from site; backfill; compaction; bedding; pipe materials; fittings; connections to existing sewers; construction, maintenance and removal of temporary access to the Work area; and related Work such as performing material testing.
- C. The removal of existing water services, including existing fittings, valves, structures and other associated appurtenances shall be included under these items.
- D. All repair of existing utilities damaged during water service construction is included under these Items.
- E. Connections of new water services to existing water services as shown on the Drawings are included under these Items. This shall include connections of new water services to new water meter pits.
- F. The installation of meter pits shall be included under this item.

- G. Reinstatement of existing water services onto the new water line shall be included under these Items.
- H. Restoration of landscape surface improvements including seeding, mulching, and fertilizing all disturbed lawn areas shall be included under these Items.
- I. These Items shall include all water service fittings, accessories and appurtenances not included in other pay items. Fittings, including those not shown on the plans required to avoid existing utilities shall be included under these Items.
- J. The excavation and backfill of bore and receiving pits for trenchless water service construction is included under these items.

10.02 WORK NOT INCLUDED

- A. Pavement replacement within Contract limits is included for payment under other Items.
- B. Repairing of water services which were damage and not planned to be replaced, by Contractor as a result of the construction, will be at the Contractor's expense.

10.03 DEFINITION OF ITEMS

- A. Item 10a – Includes. Service Tubing, 3/4-inch, Open Cut
- B. Item 10b – Includes Service Tubing, 1-inch, Bored
- C. Item 10c – Includes Service Tubing, 1-inch, Open Cut
- D. Item 10d – Includes ¾-inch Lead Service Line Replacement (Undistributed)
- E. Item 10e – Includes Water Service Connection, 1-inch
- F. Item 10f – Includes ¾-inch Water Meter. Install only
- G. Item 10g – Includes 1-inch Water Meter, Install only
- H. Item 10h – Includes Single Water Meter Pit
- I. Item 10i – Includes Dual Water Meter Pit

10.04 MEASUREMENT

- A. The quantities to be paid for under Items 10a through 10c shall be the horizontal length of pipe measured parallel to the axis of the line along the surface of the ground, with no deduction for laying length of fittings and valves. Vertical portions of the water service shall not be measured for payment.
- B. Item 10d shall be lump sum allowance for any lead service lines that need replaced with ¾-inch service tubing from meter pit to the building furnished and installed in accordance with the Specifications and Drawings.
- C. The quantities to be paid under Item 10e through 10i shall be each water service connection (1-inch or smaller); meter or meter pit installed in accordance with the Specifications and Drawings.

10.05 PAYMENT

- A. The unit price stated in the Bid for Items 10a through 10d shall be full compensation for each linear foot of service tubing, so measured, as specified and required.
- B. The unit price stated in the Bid for Item 10e through 10i shall be full compensation for each water service connection or meter pit, so measured, as specified and required.

ITEM 11 (DELETED ITEMS)
~~METER SOFTWARE / AMR & AMI~~

~~11.01 DESCRIPTION~~

- A. ~~Under these Items, the Contractor shall furnish and perform all Work necessary for the installation, AMI (Advanced Metering Infrastructure), shown on the Drawings and specified, in conformance with relevant sections of the Specifications.~~
- B. ~~Meter reading software to included~~
- C. ~~AMR (Automated Meter Reading) to include:~~
 - 1. ~~Carrying case with 2 converts, 2 whip antennas, 2 wall charges, 2 micro USB cables~~
 - 2. ~~USB Optical Reader~~
 - 3. ~~Manager Software~~
 - 4. ~~AMR system rollout~~
 - 5. ~~AMR Hosting fee annual fee (1 year)~~
- D. ~~AMI (Advanced Metering Infrastructure) to include:~~
 - 1. ~~Collector install~~
 - 2. ~~AMI system rollout~~
 - 3. ~~AMI hosting fee~~
 - 4. ~~AMI manager annual fee (1 year)~~

~~11.02 WORK NOT INCLUDED~~

- A. ~~New water meter pits shall be provided under other items.~~

~~11.03 DEFINITION OF ITEMS~~

- A. ~~Item 11a — Includes Automated Meter Reading Equipment~~
- B. ~~Item 11b — Includes Advanced Metering Infrastructure Equipment~~

~~11.04 MEASUREMENT~~

- A. ~~The quantities to be paid under Item 11 shall be lump sum to be furnished and installed in accordance with the Specifications and Drawings.~~

~~11.05 PAYMENT~~

- A. ~~The unit price stated in the Bid for Item 11 shall be full compensation for each item, so measured, as specified and required.~~

ITEM 12
SPECIAL BACKFILL MATERIAL

12.02 DESCRIPTION

- A. Under this Item, the Contractor shall furnish and install special backfill material as shown on the Drawings, specified or ordered.
- B. Material shall be furnished, placed, and mechanically compacted in 6-inch lifts where shown on the Drawings, specified, or ordered.

12.03 WORK NOT INCLUDED

- A. Granular pipe bedding material used for pipe bedding is included under other Items.

12.04 DEFINITION OF ITEM

- A. Item 12 – Includes Special Backfill Material

12.05 MEASUREMENT

- A. The quantities to be measured for payment under this Item shall be the aggregate volume of compacted material used within the following prescribed limits:
- B. Pipe Trench
 - 1. Depth – One foot above the Pipe to the bottom of the aggregate base for pavement. When in the zone of influence of the road it shall be in accordance with the zone of influence detail on the Drawings.
 - 2. Width - The width shall be the measured width of the trench but shall not exceed the nominal diameter of the pipe, plus one foot on each side. No additional compensation shall be allowed when the Contractor's equipment, techniques or means and methods. No additional width will be allowed for precast manholes construction.
 - 3. Length - The quantities to be paid shall be the horizontal length of trench measured parallel to the axis of the line along the surface of the ground, with no deductions for manholes.
- C. All Other installation, including but not limited to, filling areas of over excavation and as shown on the drawings, shall be the actual quantities measured in the field, as installed, which do not exceed the limits shown on the drawings. Delivery tickets shall not be utilized for determining the quantity.

12.06 PAYMENT

- A. The unit price stated in the Bid for Item 12 shall be full compensation for each cubic yard of special backfill material furnished and placed as specified, so measured.

ITEM 13
PAVEMENT

13.01 DESCRIPTION

- A. Under these Items, the Contractor shall construct pavement base and surface courses to replace pavement removed for pipeline construction as scheduled, shown on the Drawings and specified herein.
- B. No additional payment will be made for the following:
 - 1. Aggregate is used for adjusting roadway shoulders and driveways to match new roadway surfaces.

13.02 WORK NOT INCLUDED

- A. Pavement replacement required beyond specified pay limits for construction of manholes and chambers is included for payment under other Items.

13.03 DEFINITION OF ITEMS

- A. Item 13a – Includes 12-Inch, #8 Aggregate Base
- B. Item 13b – Includes 8-Inch, #53 Aggregate Drive
- C. Item 13c – Includes 3-Inch Asphalt Cement Base
- D. Item 13d – Includes 1-1/2-inch Asphalt Cement Surface

13.04 MEASUREMENT

- A. Quantities to be paid for under these Items shall be the actual quantity constructed, measured in place within the limits as defined below, and/or scheduled on the Drawings, unless otherwise authorized by the Engineer; in which case, measurement will be made to the authorized limits. When uniform courses are specified, the volume to be paid for shall not exceed the quantity calculated from plan lines and dimensions. Bituminous materials will be measured in gallons at 60 degrees F applied at the specified rates and within the pay limits.
- B. Pay Limits:
 - 1. Depth - As specified, scheduled, or ordered.
 - 2. Length - The actual length ordered.
 - 3. Width:
 - a. Except as otherwise scheduled on the Drawings, the width of replacement over pipe trenches shall not exceed the nominal diameter of the pipe plus 2-1/2 feet on each side for trench depths 16 feet and less and 4 feet on each side for trench depths greater than 16 feet. No additional width will be allowed for precast manholes or manhole chamber construction.
 - b. Trench depth as used herein shall mean the distance from the original surface of the pavement to the invert grade of the main line pipe.

4. Asphalt Tonnage equals:

Thickness (inches) * 110 (#-yd/in) * Area (square yard)

2000 (#-cy/ton-cy)

13.05 PAYMENT

- A. The unit prices stated in the Bid for Items 13a & 13b shall be full compensation for each square yard of aggregate placed within the prescribed limits as specified, so measured.
- B. The unit prices stated in the Bid for Item 13c & 13d shall be full compensation for each ton of pavement placed within the prescribed limits as specified, so measured.

ITEM 14
CONCRETE

14.01 DESCRIPTION

- A. Under these Items, the Contractor shall construct concrete drives to replace drives removed for pipeline construction as scheduled, shown on the Drawings and specified herein.

14.02 WORK NOT INCLUDED

- A. Concrete surfaces replacement required beyond specified pay limits for construction of pipeline items is included for payment under other Items.
- B. Drives and surfaces damaged or destroyed beyond specified pay limits shall be replaced at the Contractor's expense.

14.03 DEFINITION OF ITEMS

- A. Item 14 – Includes 6-inch Concrete Drive

14.04 MEASUREMENT

- A. Quantities to be paid for under these Items shall be the actual quantity constructed, measured in place within the limits as defined below, and/or scheduled on the Drawings, unless otherwise authorized by the Engineer; in which case, measurement will be made to the authorized limits. When uniform courses are specified, the volume to be paid for shall not exceed the quantity calculated from plan lines and dimensions.

14.05 PAYMENT

- A. The quantities to be paid for under Item 14 shall be the measured quantity in square foot as specifically ordered by the Owner

ITEM 15
CLEARING AND GRUBBING, TREE REMOVAL

15.01 DESCRIPTION

- A. This Item shall include all clearing and grubbing of lands required to complete the Work as specified, shown in the Contract Documents and as directed by the Engineer.
- B. This Work shall include, but not limited to, the complete removal of all vegetation including plants, shrubs, sod, agricultural crop residue, trimming and cutting of trees, removal of tree cuttings and stumps, scalping and the removal and disposal of all debris generated by the clearing and grubbing operation as specified and shown on the Drawings.
- C. Tree removal is for trees with trunks 6-inches diameter or larger at a height of 48-inches, otherwise it is part of cleaning and grubbing.

15.02 WORK NOT INCLUDED

- A. Any Work specifically included under other Bid Items.

15.03 DEFINITION OF ITEM

- A. Item 15a – Includes Clearing and Grubbing
- B. Item 15b – Includes Tree Removal, 6-inches Diameter or Larger

15.04 MEASUREMENT

- A. The quantity stated in each Bid Item 15 shall be full compensation for all Work required under Items 15.

15.05 PAYMENT

- A. The unit prices stated in the Bid for Item 15a shall be lump sum for area cleared as specified, so measured.
- B. The unit prices stated in the Bid for Item 15b shall be full compensation for each item cleared or removed as specified, so measured.

ITEM 16
SEED & MULCH

16.01 DESCRIPTION

- A. Under this Item the Contractor shall furnish and install seed and mulch, This Item includes fertilizing, watering, and grading of the area to receive seed and mulch or planting

16.02 WORK NOT INCLUDED

- B. All areas outside of easements and right-of-ways, damaged by the Contractor, shall have seed and mulch installed at the Contractor's expense.

16.03 DEFINITION OF ITEMS

- C. Item 16 - Includes Seeding and Mulch

16.04 MEASUREMENT

- D. The quantities to be paid under Item 16 shall be the measured quantity in square yards as specifically ordered by the Owner.

16.05 PAYMENT

- A. The Item 16 shall be full compensation for each square yard of seed and mulch installed, fertilized, and watered.

ITEM 17
RECORD DOCUMENTS

17.01 DESCRIPTION

- A. Under this Item the Contractor shall furnish and perform all work necessary for the submission of the marked-up drawings, service location sheets, and changes to the construction documents, in conformance with relevant sections of the Specifications.
- B. This Item shall include all work to provide information as to the actual installation of the proposed water main. Items such as valves, fittings, service connections, tees, manhole locations & inverts, etc. shall be recorded. Additional information shall be provided from excavation, potholing, or exploratory digs locating existing pipelines or obstructions.
- C. The Owner & Engineer shall review document each pay request to ensure markups are adequate for final submission. Partial payment can be requested if markups are provided.

17.02 DEFINITION OF ITEMS

- A. Item 17 - Includes Record Documentation

17.04 PAYMENT

- A. The unit prices stated in the Bid for Item 17 shall be full compensation for each item furnished as specified, so measured.

868-8305.001
01/2026

Addendum 2
Turkey Creek RSD
Fascination PI WM Improvements

END OF SECTION

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**SECTION 02559
WATER METERS & METER PITS**

PART 1 GENERAL

1.01 SCOPE

- A. This Section includes installation of owner provided water meters and Advanced Metering Infrastructure as reading equipment as indicated by these specifications or directed by the Owner.
- B. This Section includes the furnishing and installation of meter pits as indicated by these specifications or directed by the Owner.

1.02 SUBMITTALS

- A. Submittals shall be in accordance with the requirements of Section 01300 and shall include:
 - 1. Shop Drawings for review:
 - a. Manufacturer's assembly drawing and parts list for water meters and required accessories indicating materials of construction and model numbers.
 - b. Manufacturer's recommendations for installation.

1.03 MANUFACTURERS

- A. Water Meters and AMI equipment to be supplied by the Owner.
- B. A single contract will be awarded for water meters, and AMI infrastructure and system maintenance.
- C. To establish a minimum of quality required, the products furnished under this Section shall be one of the following manufacturers: Kamstrup, Metron, Badger, or equal.
- D. Meter pits shall be for outdoor cold climate. The pits shall be of adequate size with double lid covers to prevent freezing. Pit setters shall have inlet angle ball valve and outlet angle cartridge dual check valve. Meter pits shall be equal to Plastic Pitsetters per construction documents.

1.04 QUALITY ASSURANCE

- A. The products specified herein shall comply with the listed ASTM standards and the noted design requirements.

PART 2 PRODUCTS.

2.01 5/8-INCH THROUGH 1-INCH METERS (BY OWNER)

- A. Ultrasonic meters
 - 1. Ultrasonic water meters shall be provided by and installed by the Contractor. The Contractor shall coordinate the startup of water meters with the Owner's staff.
 - 2. Ultrasonic meters shall meet AWWA C-715 size, capacity, meter lengths, accuracy and pressure loss requirements. The meter shall be compliant with ANSI/NSF Standard 61.
 - 3. Meters shall include US PIT external antenna to work with the District's meter reading software.

2.02 METER PIT

- A. Meter pits shall be by Plastic Pitsetter, PDDBH-188-20-60-NL for single meter pits or equal.
- B. Meter pits shall be by Plastic Pitsetter, PDDBH-288-20-60-NL, for double meter pits or equal.
- C. Meter box frames shall be from Ford Meter Box Company, meter box frame (FW3), 11-1/2" Wabash Double Inset lid for 20" tile or equal.
- D. Meter lid shall be by Trumbull Manufacturing, thermoplastic with locking mechanism.
- E. Lid locks shall be provided on each lid. The owner shall be provided with 4 keys to the lids.

2.03 ADVANCED METERING INFRASTRUCTURE (AMI) SYSTEM (BY OWNER)

- A. The AMI system may utilize either:
 - 1. Radio frequency (RF) system with proper FCC licensing if operating on the applicable frequencies to transmit data to and from MIUs to the system. RF systems should include all base stations, repeaters and all infrastructure required to ensure accuracy and read rates per this specification.
 - 2. Cellular - based system to transmit data to and from transceivers to the system to transmit data to and from MIUs to the system.
- B. The AMI system shall consist of
 - 1. Meter Interface Units (MIUs) capable of sending readings for collection every 12 hours at a minimum either to a base station for an RF system or directly to a cellular network with a cellular-based system.
 - 2. Base Station if a RF system is being utilized to collect data from the MIU and send to the District's web-based or SCADATA platform.

- 3. All additional infrastructure including software, billing integration, customer portal
- C. When deployed as a fixed network, the System shall provide hourly consumption interval data, time-synchronized at the host meter reading software. The host software shall provide individual account consumption interval data displayed in graphical as well as tabular formats, readily accessible to utility Customer Service Representatives to facilitate customer bill complaint resolution without the need for a truck roll.

PART 3 EXECUTION

3.01 INSTALLER REQUIREMENTS

- A. Contractor to implement a call-in program to meter owners and provide door hanger notification tags before meter is to be placed. The Contractor is responsible for providing and hanging the notification tags.

3.02 WARRANTIES

- A. The following includes the warranty period for system components starting at the date of substantial completion.
 - 1. Ultrasonic Meters:
 - a. General materials and workmanship - 2 year
 - b. Housings or Main Case - 10 years
 - c. Registers 10 years (5 years full/ 5 years prorated)
 - d. MIUs - 20 years (10 years full/ 10 years prorated)
 - e. Base Stations 1 year

3.03 REMOVAL

- A. The Contractor shall clean and flush the inlet side of the service line thoroughly before installing the new meter. Make sure that metallic water service plumbing is properly grounded as per local electrical codes.
- B. Coordinate with the District and shut off water supply valves if the shutoff valves in the area inoperable and remove existing shut off valve.

3.04 INSTALLATION

- A. The Contractor shall orient the new meter so that the flow arrow on the body of the meter is aligned with the flow in the plumbing system.
- B. The Contractor shall install water meters inside new meter pits as directed by the District. The installation location will match the existing location. Any required relocations of meters will be performed by the Owner outside of the Work.

- C. After completing installation, the Contractor shall test for leakage and proper meter operation in accordance with the manufacturer's instructions.
- D. For each residence, a photo taken after the new meter has been installed and a photograph taken to show the new meter programed and operating.

3.05 TRAINING AND SUPPORT (BY OWNER)

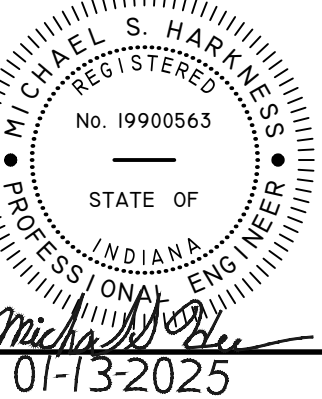
- A. Complete installation and operating instructions will be included for all of the supplied hardware and software equipment. The training must be supplied by the System manufacturer. The vendor will also inform the customer of what pre-installation activities are to be completed and what support material will be needed for the initial installation.
- B. Equipment vendors are required to supply information on required maintenance programs and should offer a five-year maintenance contract. The vendor shall have a customer support department required to help maintain and support the system through the use of the service agreement.

PART 4 SPECIAL PROVISIONS

4.01 WATER METER SCHEDULE

Water Meter	Quantity
¾-inch (Pit)	186
1-inch (Pit)	2

END OF SECTION



TURKEY CREEK REGIONAL
SEWER DISTRICT

FASCINATION PLACE
WATER MAIN
IMPROVEMENTS

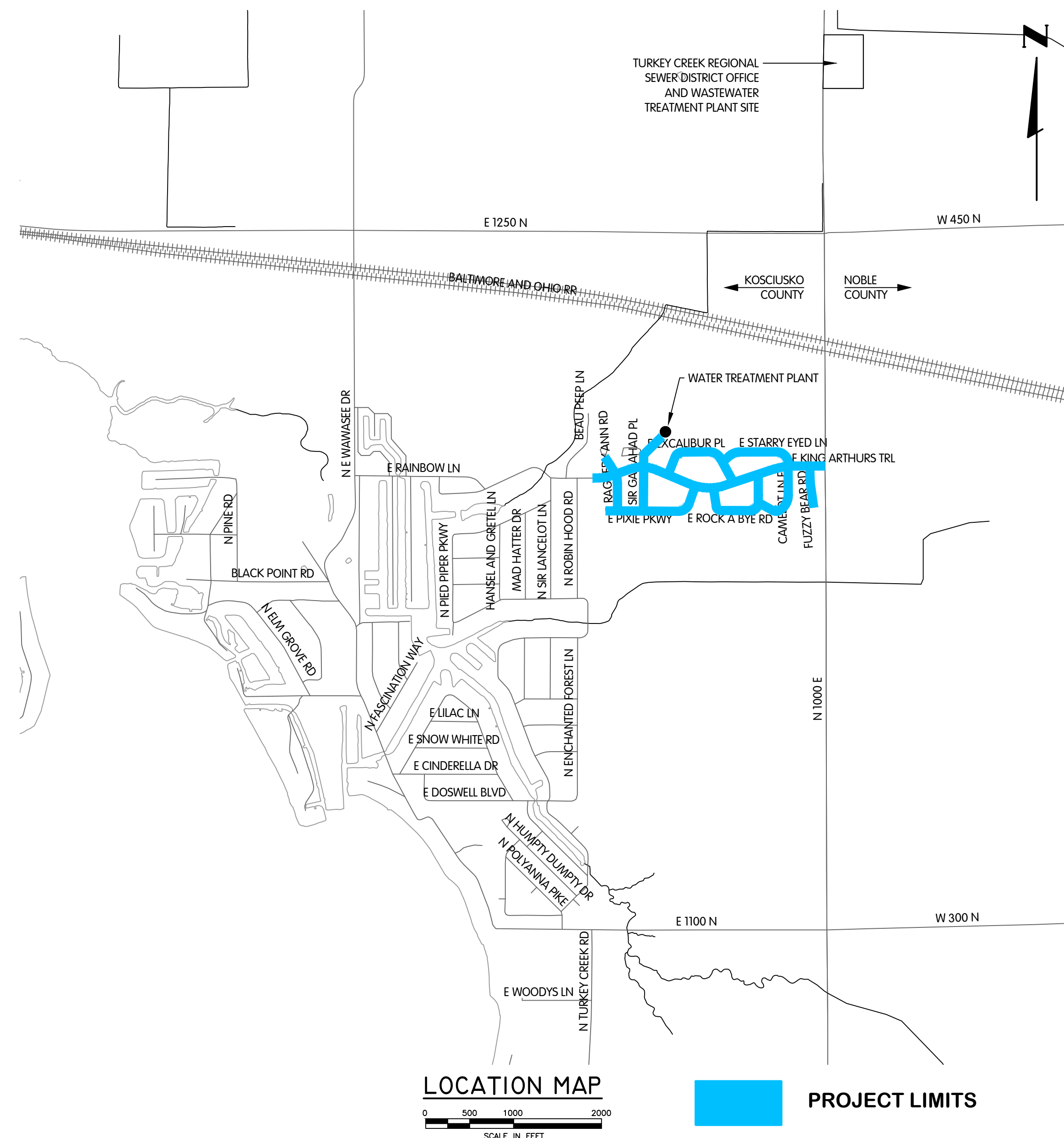
2026

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VICE-PRESIDENT - ROBERT DUMFORD
TREASURER - DON DEWITT

JAMES YOUNG - MEMBERS
DANIEL MIKOLAJCZAK
BRAD FISHBURN
RICK PALOIN

LEGAL COUNSEL - ANDREW BOXBERGER
SUPERINTENDENT - TIMOTHY WOODWARD



ENGINEER:
JONES & HENRY ENGINEERS, LTD.
2420 N. COLISEUM BLVD.
SUITE 214
FORT WAYNE, INDIANA 46805

OWNER:
TURKEY CREEK REGIONAL SEWER DISTRICT
4852 N 1200 W
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DATE:	2026

EXISTING SYMBOLS AND ABBREVIATIONS

	AERIAL CONTROL POINT		POWER LINE MARKER
	AERIAL WING POINT		POWER POLE
	AIR CONDITIONING UNIT		POWER POLE AND TELEPHONE POLE
	AXLE		RAIL ROAD CROSSING SIGNAL
	BARBEQUE GRILL		RAIL ROAD GATE
	BENCHMARK		RAIL ROAD FROG
	BOLLARD		RAIL ROAD MILE POST
	BOLT		RAIL ROAD SPIKE
	CABLE TV		RAIL ROAD SPIKE SET
	CATCH BASIN		SANITARY MANHOLE
	CLEAN OUT		SANITARY VALVE
	CONCRETE MONUMENT		SANITARY VENT
	CONIFEROUS TREE		SANITARY MARKER
	CONTROL POINT		SATELLITE DISH
	CONTROLLER POLE MOUNTED		SEPTIC TANK
	CURB INLET		SHRUB
	DECIDUOUS TREE		SIGN
	DECORATIVE ROCK		SIGNAL
	DRAIN TILE		SOIL BORING
	DRILL HOLE		SPIGOT
	DRY WELL		SPRINKLER HEAD
	EDGE OF PAVEMENT		SPOT ELEVATION
	ELECTRIC MANHOLE		*POINT OF ELEVATION IS DECIMAL
	ELECTRIC METER		STORM LINE MARKER
	ELECTRIC PULLBOX		STORM MANHOLE
	ELECTRIC TRANSFORMER		STUMP
	ELECTRIC VAULT		SUPPORT POLE
	EXISTING BUILDING		T-BAR
	FIRE HYDRANT OR YARD HYDRANT		TACKED HUB
	FLAG POLE		TANK FILLER CAP
	FORCE MAIN FLUSHING CONNECTION		TC - TOP OF CURB ELEVATION
	FOUND MONUMENT BOX		G - GUTTER ELEVATION
	GAS LINE MARKER		TELEPHONE BOOTH
	GAS LINE VENT		TELEPHONE LINE MARKER
	GAS MANHOLE		TELEPHONE MANHOLE
	GAS METER		TELEPHONE PEDESTAL
	GAS TEST STATION		TELEPHONE POLE
	GAS VALVE		TELEPHONE POLE AND LIGHT POLE
	GAS WELL		TOP OF WALK
	GOLF BALL WASHER		TOPO GRADE SHOT
	GUY WIRE		(THE OF THE NUMBER SIGNIFIES THE LOCATION OF THE SHOT)
	HEAD STONE		TPB
	INLET PROTECTION		TRAFFIC MANHOLE
	INVERT ELEVATION		TRAFFIC PULL BOX
	IRON PIN (OR LABELED POST, MARKER ETC.)		UNKNOWN BOX
	LIGHT, POWER POLE AND TELEPHONE POLE		UNKNOWN MANHOLE
	LIGHT POLE		UNKNOWN PEDESTAL
	LIGHT POLE BOX		UNKNOWN POLE
	MAILBOX		UNKNOWN VALVE
	METER PIT		UNKNOWN WELL
	MINE SPIKE		VAULT
	MONITORING WELL		VENT PIPE
	NEWS PAPER BOX		WATER LINE MARKER
	OIL TANK		WATER MAN-HOLE
	PARKING METER		WATER MAIN PLUG
	PAVEMENT BORING		WATER METER
	PAY PHONE		WATER METER PIT
	PETROLEUM PUMP		WATER WELL
	POST		WATER VALVE
			WATER VENT
			YARD LIGHT

PROPOSED SYMBOLS

	ABANDON VALVE BOX		METER PIT
	ABANDON VALVE MAN-HOLE		PLUG VALVE AND BOX
	AIR RELEASE VALVE AND MAN-HOLE		PLUG VALVE AND MAN-HOLE
	BUTTERFLY VALVE AND BOX		POLE TO BE TEMPORARILY SUPPORTED AND PROTECTED BY CONTRACTOR
	BUTTERFLY VALVE AND MAN-HOLE		REDUCER
	CATCH BASIN		SANITARY MAN-HOLE
	CLEAN OUT		STORM MAN-HOLE
	CURB INLET		STUMP TO BE REMOVED
	FIRE HYDRANT ASSEMBLY, TYPE A		TAPPING SLEEVE VALVE (TYPE) AND BOX (LINE SIZE BY VALVE SIZE)
	FIRE HYDRANT ASSEMBLY, TYPE B		TAPPING SLEEVE VALVE (TYPE) AND MAN-HOLE (LINE SIZE BY VALVE SIZE)
	FIRE HYDRANT TO BE REMOVED		TREE TO BE REMOVED (STUMPS, ROOTS, OTHER PROTRUDING OBSTRUCTIONS SHALL BE REMOVED TO A MIN. OF 6" BELOW FINAL GROUND SURFACE)
	FORCE MAIN FLUSHING CONNECTION		WATER VALVE MAN-HOLE OR BOX TO BE ABANDONED, SEE SPECIFICATIONS
	GATE VALVE AND BOX		
	GATE VALVE AND MAN-HOLE		
	INSERTING VALVE AND BOX		
	INSERTING VALVE AND MAN-HOLE		

DRAWING INDEX

CONST. No.	SHEET No.	DESCRIPTION
GENERAL		
1	G-0.1	LEGENDS AND INDEX
2	G-0.2	SCHEMATIC AND SURVEY CONTROL
3	G-0.3	CIVIL OVERALL SITE PLAN
4	G-0.4	CIVIL WATER TREATMENT PLANT SITE PLAN
5	G-0.5	GENERAL SUMMARY
WATER		
6	W-1.1	KING ARTHUR TR, PLAN AND PROFILE, STA. 0+00 TO 5+50
7	W-1.2	KING ARTHUR TR, PLAN AND PROFILE, STA. 5+50 TO 11+00
8	W-1.3	KING ARTHUR TR, PLAN AND PROFILE, STA. 11+00 TO 16+50
9	W-1.4	KING ARTHUR TR, PLAN AND PROFILE, STA. 16+50 TO 22+00
10	W-1.5	KING ARTHUR TR, PLAN AND PROFILE, STA. 22+00 TO 27+50
11	W-1.6	KING ARTHUR TR, PLAN AND PROFILE, STA. 27+50 TO 30+00
12	W-2.1	RAGGEDY ANN RD, PLAN AND PROFILE, STA. 0+0 TO 5+50
13	W-2.2	RAGGEDY ANN RD, PLAN AND PROFILE, STA. 5+50 TO 7+50
14	W-3.1	SIR GALLAHAD PL, PLAN AND PROFILE, STA. 0+00 TO 5+50
15	W-3.2	SIR GALLAHAD PL, PLAN AND PROFILE, STA. 5+50 TO 9+00
16	W-4.1	EXCALIBUR PL, PLAN AND PROFILE, STA. 0+00 TO 5+50
17	W-4.2	EXCALIBUR PL, PLAN AND PROFILE, STA. 5+50 TO 11+00
18	W-4.3	EXCALIBUR PL, PLAN AND PROFILE, STA. 11+00 TO 11+50
19	W-5.1	PIXIE PKWY, PLAN AND PROFILE, STA. 0+00 TO 5+50
20	W-5.2	PIXIE PKWY, PLAN AND PROFILE, STA. 5+50 TO 11+00
21	W-5.3	PIXIE PKWY, PLAN AND PROFILE, STA. 11+00 TO 13+00
22	W-6.1	ROCK-A-BYE RD, PLAN AND PROFILE, STA. 0+00 TO 5+50
23	W-6.2	ROCK-A-BYE RD, PLAN AND PROFILE, STA. 5+50 TO 11+00
24	W-7.1	STARRY EYED LN, PLAN AND PROFILE, STA. 0+00 TO 5+50
25	W-7.2	STARRY EYED LN, PLAN AND PROFILE, STA. 5+50 TO 11+00
26	W-8.1	CAMELOT LN, PLAN AND PROFILE, STA. 0+00 TO 5+50
27	W-8.2	CAMELOT LN, PLAN AND PROFILE, STA. 5+50 TO 9+00
28	W-9.1	FUZZY BEAR RD, PLAN AND PROFILE, STA. 0+00 TO 5+50
29	W-0.1	MAN-HOLE, FIRE HYDRANT, WATER SERVICE, VALVE AND BLOWOFF DETAILS, STANDARDS
30	W-0.2	SERVICE AND ABANDONMENT DETAILS, STANDARDS
31	W-0.3	JOINT RESTRAINT AND SEWER CROSSING DETAILS, STANDARDS
32	W-0.4	JOINT RESTRAINT AND BLOCKING DETAILS, STANDARDS
SURFACE RESTORATION		
33	SR-1.1-2	KING ARTHUR TRAIL, STA. 0+00 TO 11+00
34	SR-1.3-4	KING ARTHUR TRAIL, STA. 11+00 TO 22+00
35	SR-1.4-5	KING ARTHUR TRAIL, STA. 22+00 TO 30+00
36	SR-2.1-2	RAGGEDY ANN ROAD, STA. 0+00 TO 11+00
37	SR-3.1-2	SIR GALLAHAD PLACE, STA. 0+00 TO 9+00
38	SR-4.1-2	EXCALIBUR PLACE, STA. 0+00 TO 5+50
39	SR-5.1-2	PIXIE PARKWAY, STA. 0+00 TO 11+00
40	SR-5.3	PIXIE PARKWAY, STA. 11+00 TO 13+00
41	SR-6.1-2	ROCK-A-BYE ROAD, STA. 0+00 TO 11+00
42	SR-7.1-2	STARRY EYED LANE, STA. 0+00 TO 9+00
43	SR-8.1-2	CAMELOT LANE STA. 0+00 TO 9+00
44	SR-9.1-2	FUZZY BEAR ROAD STA. 0+00 TO 5+50
45	SR-0.1	DETAILS
46	SR-0.2	DETAILS
47	SR-0.3	DETAILS
48	SR-0.4	EROSION CONTROL NARRATIVE

TOPOGRAPHY LINES:	CENTER LINE
— X — X — X — X — X — X — X — X — X —	FENCE LINE
— P / L — P / L — P / L —	PROPERTY LINE
— R / W — R / W — R / W —	RIGHT OF WAY
— — — — —	PERMANENT EASEMENT
— — — — —	CONSTRUCTION EASEMENT
— O — — — — —	SILT FENCE
UTILITY LINES:	CABLE (UNDERGROUND)*
— C — — — — —	COMBINED SEWER
— C015 — — — — —	ELECTRICAL (UNDERGROUND)*
— E — — — — —	FIBER OPTIC
— F0 — — — — —	FORCE MAIN
— FM — — — — —	NATURAL GAS LINE
— NG4 — — — — —	OVERHEAD WIRES
— oh — — — — —	PETROLEUM, OIL, LUBRICANTS
— PET — — — — —	SANITARY SEWER
— SA10 — — — — —	SIGNAL (UNDERGROUND)*
— S — — — — —	STORM SEWER
— ST18 — — — — —	TELEPHONE (UNDERGROUND)*
— T — — — — —	VACUUM SANITARY SEWER
— VSAB — — — — —	WATER LINE
— WB — — — — —	LARGE DIAMETER LINES (ANY TYPE)
— ST54 — — — — —	UTILITY LINE TO BE REMOVED ***
— / WB / — — — — —	UTILITY LINE TO BE ABANDONED
— X WB X — — — — —	PROPOSED UTILITY
— — — — —	PROPOSED LARGE DIAMETER UTILITY
— — — — —	PROPOSED TRENCHLESS UTILITY

ALPHA DESIGNATION REFERS TO UTILITY TYPE OR SERVICE TYPES; NUMERICAL DESIGNATION REFERS TO PIPE NOMINAL DIAMETER. LINES WITH NO NUMERICAL DESIGNATION ARE OF UNKNOWN SIZE.

* AERIAL LINES, IF SHOWN, ARE DESIGNATED WITH LOWER CASE LETTERS

** FOR ELLIPTICAL SEWERS, THE VERTICAL DIMENSION (RISE) IS CALLED OUT FIRST FOLLOWED BY THE HORIZONTAL DIMENSION (SPAN). EXAMPLE: 45X35 (RISE X SPAN) THE VERTICAL DIMENSION IS 45", THE HORIZONTAL DIMENSION IS 35".

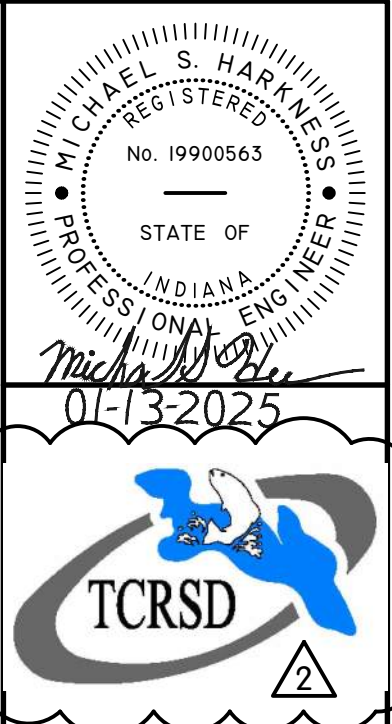
*** INDICATES THE REMOVAL OF ALL SPECIFIED STRUCTURES AND APPURTENANCES.

VERTICAL DATUM:
VERTICAL DATUM IS BASED ON '88 NAVD.

NOTE: ACCURACY OF EXISTING ELEVATIONS AND DIMENSIONS IS NOT GUARANTEED. FIELD VERIFY BEFORE CONSTRUCTION.

UTILITY CONTACTS:

ELECTRIC	NAME, ADDRESS, PHONE, EMAIL
CABLE	NAME, ADDRESS, PHONE, EMAIL
GAS	NAME, ADDRESS, PHONE, EMAIL
WATER	NAME, ADDRESS, PHONE, EMAIL
SEWER	NAME, ADDRESS, PHONE, EMAIL



LEGENDS AND INDEX

TURKEY CREEK REGIONAL SEWER DISTRICT

FASCINATION PLACE WATER MAIN IMPROVEMENTS

JPM	BY
1	01-29-2026
2	ADENDUM
3	NO.
4	DATE
5	REVISIONS AFTER ISSUED FOR BID

Jones & Henry Engineers, Ltd.

Fluid thinking®
www.JHeng.com

JOB NO. 868-8305.400

SCALE AS INDICATED

THIS LINE SCALES IF WHEN PLOTTED TO NOTED SCALE

DESIGNED JPM DRAWN AJB CHECKED MSH

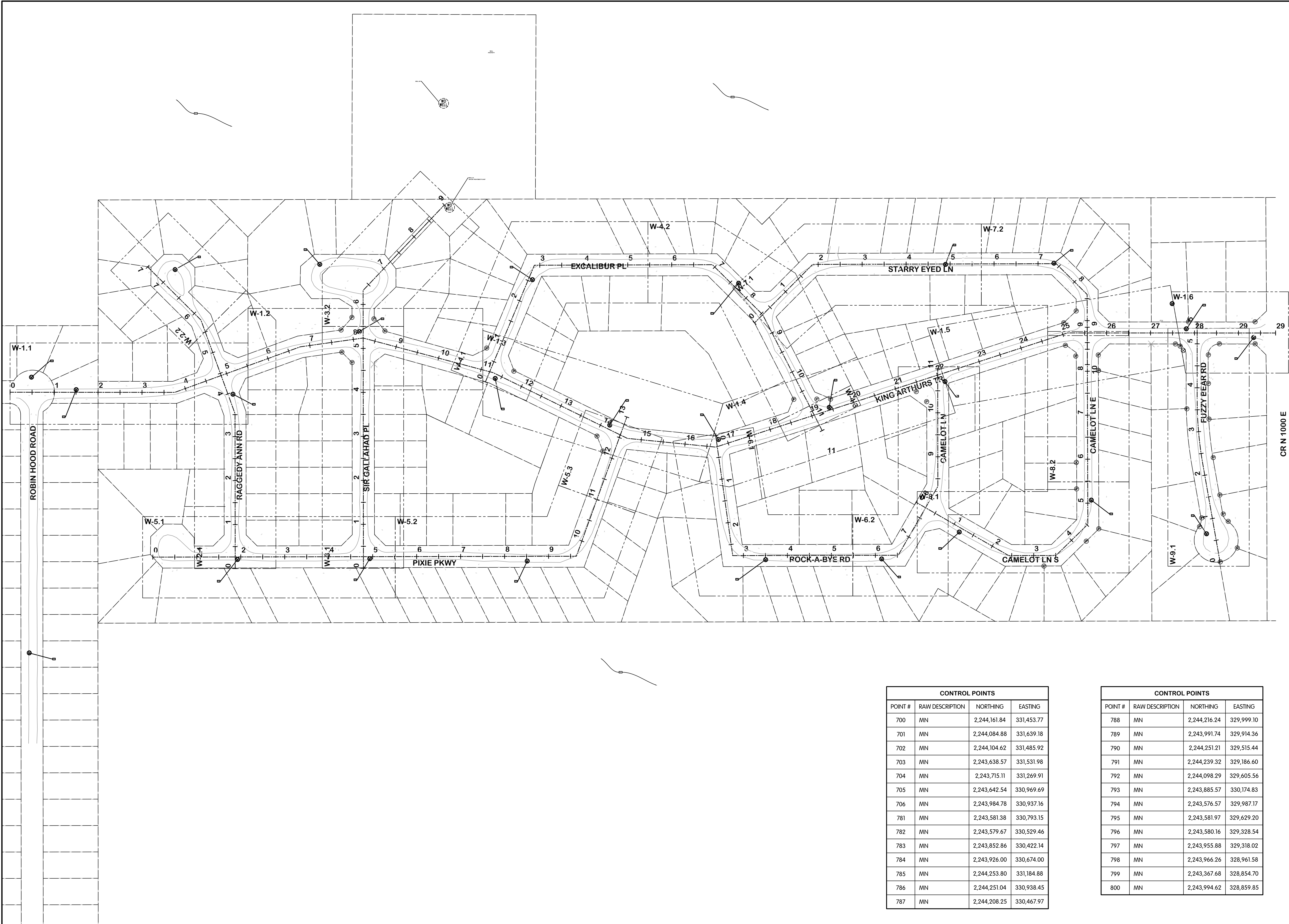
STATUS ISSUED FOR BIDS

DATE 2026

SHEET NO. G-0.1

1 OF 48

FTW-83064.00G02-G-0.2 SCHEMATIC AND SURVEY CONTROL
1/29/2026 8:35 AM - ABL/BSG
1/29/2026 11:36 AM



CONTROL POINTS			
POINT #	RAW DESCRIPTION	NORTHING	EASTING
700	MN	2,244,161.84	331,453.77
701	MN	2,244,084.88	331,639.18
702	MN	2,244,104.62	331,485.92
703	MN	2,243,638.57	331,531.98
704	MN	2,243,715.11	331,269.91
705	MN	2,243,642.54	330,969.69
706	MN	2,243,984.78	330,937.16
781	MN	2,243,581.38	330,793.15
782	MN	2,243,579.67	330,529.46
783	MN	2,243,852.86	330,422.14
784	MN	2,243,926.00	330,674.00
785	MN	2,244,253.80	331,184.88
786	MN	2,244,251.04	330,938.45
787	MN	2,244,208.25	330,467.97

CONTROL POINTS			
POINT #	RAW DESCRIPTION	NORTHING	EASTING
788	MN	2,244,216.24	329,999.10
789	MN	2,243,991.74	329,914.36
790	MN	2,244,251.21	329,515.44
791	MN	2,244,239.32	329,186.60
792	MN	2,244,098.29	329,605.56
793	MN	2,243,885.57	330,174.83
794	MN	2,243,576.57	329,987.17
795	MN	2,243,581.97	329,629.20
796	MN	2,243,580.16	329,328.54
797	MN	2,243,955.88	329,318.02
798	MN	2,243,966.26	328,961.58
799	MN	2,243,367.68	328,854.70
800	MN	2,243,994.62	328,859.85

MICHAEL S. HARKER
REGISTERED
No. 19900563
STATE OF
INDIANA
PROFESSIONAL ENGINEER
01-13-2025

TCRSD

SCHEMATIC AND SURVEY CONTROL

TURKEY CREEK REGIONAL SEWER DISTRICT

FASCINATION PLACE WATER MAIN IMPROVEMENTS

JPM	BY
1	01-28-2026
2	ADDENDUM 2
3	DATE
4	NO.
5	REVISIONS AFTER ISSUED FOR BID

Jones & Henry
Engineers, Ltd.

Fluid thinking®
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JOB NO. 868-8305.400

SCALE 1"=100'

THIS LINE SCALES IF WHEN PLOTTED TO NOTED SCALE

DESIGNED JPM

DRAWN AJB

CHECKED MSH

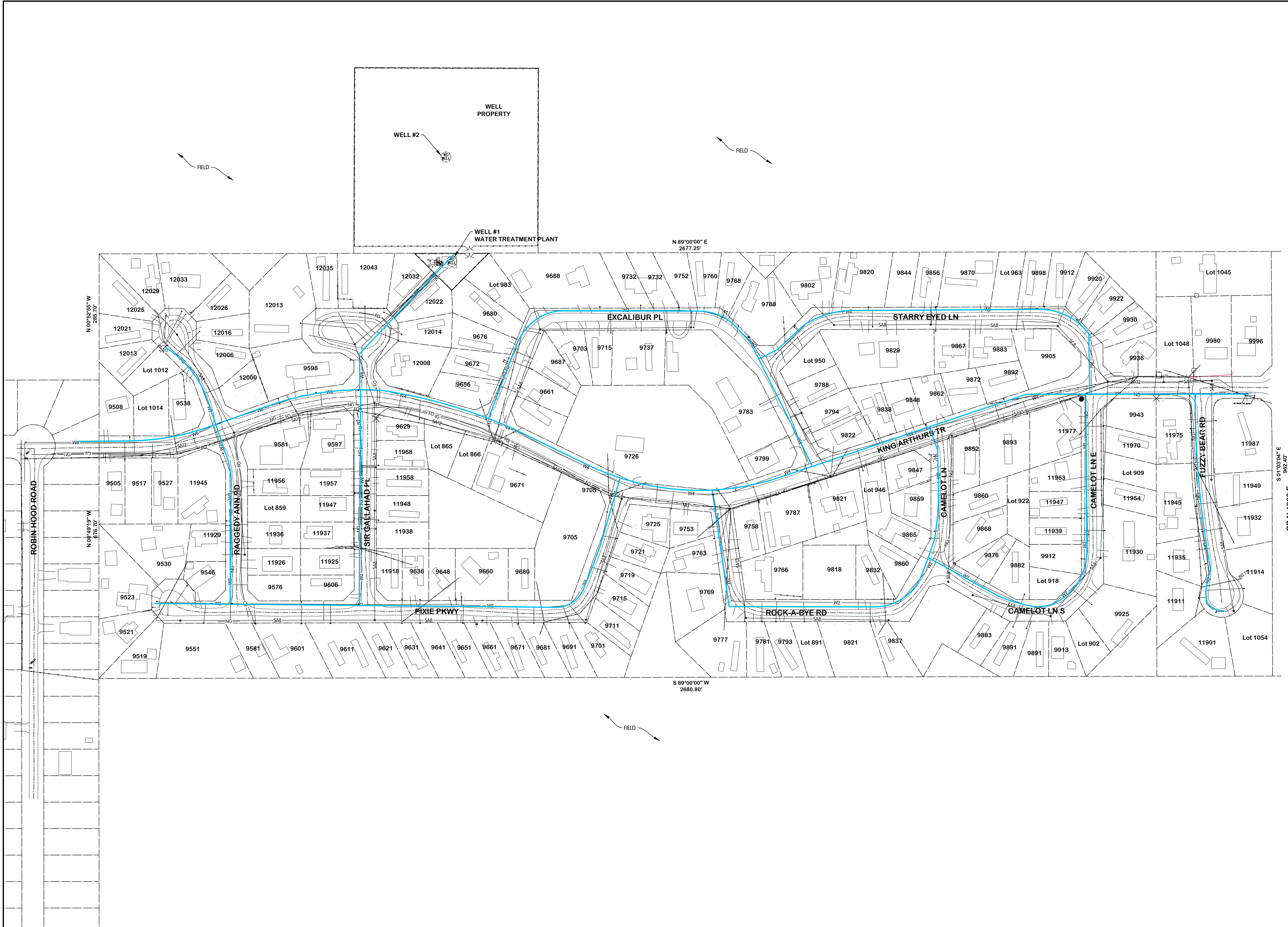
STATUS ISSUED FOR BID

DATE 2026

SHEET NO. G-0.2

2 OF 48

FTW-830640003-G-0.3 OVERALL SITE PLAN
1/28/2026 10:28 AM - ABLAISING
1/29/2026 11:36 AM



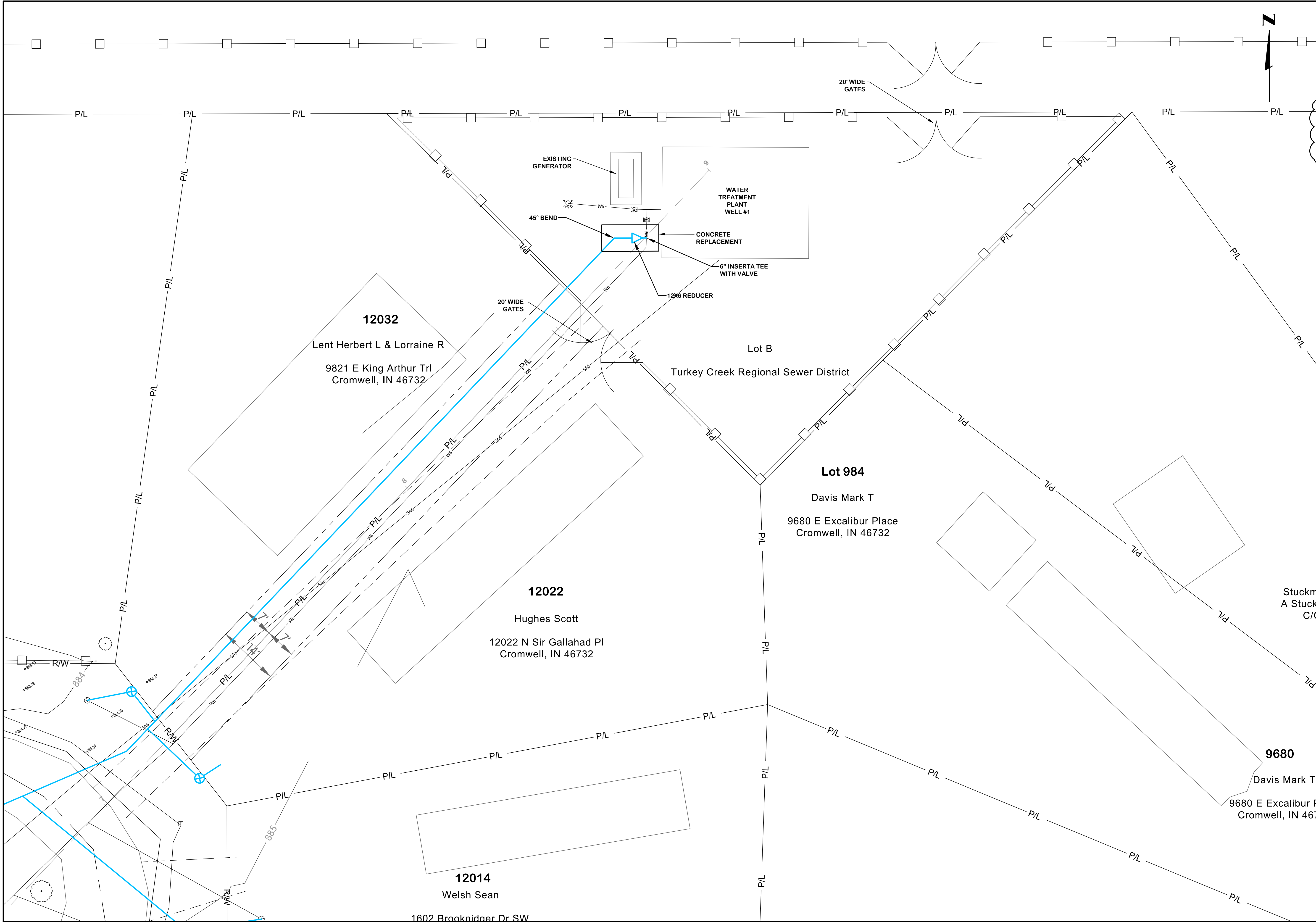
Professional Engineer
No. 19900563
STATE OF INDIANA
MICHAEL S. HARKINS
01-13-2025
TCRSD

CIVIL
OVERALL SITE PLAN
TURKEY CREEK REGIONAL SEWER DISTRICT
FASCINATION PLACE WATER MAIN IMPROVEMENTS

NO.	DATE	REVISIONS AFTER ISSUED FOR BID	JPM	BY
1	01-28-2026	ADDENDUM 2		

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JOB NO. 868-8305.400
SCALE AS INDICATED
THIS LINE SCALES IF WHEN
PLOTTED TO NOTED SCALE
DESIGNED AJB DRAWN JPM CHECKED MSH
STATUS ISSUED FOR BID
DATE 2026
SHEET NO. 2
G-0.3
3 OF 48

FTW-83054-00004-SITE PLAN
1/28/2026 10:32 AM - ABLAISING
1/29/2026 11:37 AM



PROFESSIONAL ENGINEER
STATE OF INDIANA
No. 19900563
MICHAEL S. HARKINS
01-13-2025

2

CIVIL
WATER TREATMENT PLANT
SITE PLAN
TURKEY CREEK REGIONAL SEWER DISTRICT
FASCINATION PLACE WATER MAIN IMPROVEMENTS

NO.	DATE	REVISIONS AFTER ISSUED FOR BID	BY
1	01-28-2026	ADDENDUM 2	JPM

Jones & Henry
Engineers, Ltd.

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www.JHeng.com

JOB NO. 868-8305.400
SCALE 1"=10'
THIS LINE SCALES IF WHEN
PLOTTED TO NOTED SCALE
DESIGNED JPM DRAWN AJB CHECKED MSH
STATUS ISSUED FOR BID
DATE 2026
SHEET NO. G-0.3
4 OF 48

TCRSD		Fascination Place Meter Pits					1 of 4	
Lot #	Address	Street	Meter Pit (each)		each	Service line (lf)		Notes
			Single	Double	Meter	Open Cut	Bore	
897	no address	Camelot Lane			1			9883
898	9883	Camelot Lane		1	1		37	with Lot 897
899	9891	Camelot Lane	1		1		33	
900	9899	Camelot Lane	1		1		36	
901	9913	Camelot Lane		1	1		35	with Lot 902
902	no address	Camelot Lane			1			9913
903	9925	Camelot Lane	1		1		25	
905	11930	Camelot Lane	1		1		35	
908	11954	Camelot Lane		1	1		35	with Lot 909
909	no address	Camelot Lane			1			11954
910	11970	Camelot Lane		1	1		34	9943
911	9943	Camelot Lane			1			11970
912	11977	Camelot Lane	1		1		12	
914	11963	Camelot Lane	1	0	1		9	
915	11947	Camelot Lane		1	1			11939
916	11939	Camelot Lane		0	1		9	11947
917	11912	Camelot Lane		1	1		9	with Lot 918
918	no address	Camelot Lane			1			11912
919	9882	Camelot Lane	1		1		8	
920	9876	Camelot Lane		1	1		15	9868
921	9868	Camelot Lane			1			9876
922	9860	Camelot Lane	1		1		39	
923	9852	Camelot Lane	1		1		42	
933	9859	Camelot Lane	0	1	1		7	9865
934	9865	Camelot Lane			1			9859
1045	12043	CR N1200 W	1		1		41	
870	9661	Excalibur Place	1		1		28	
872	9687	Excalibur Place	1		1		36	
873	9703	Excalibur Place	1		1		33	
874	9715	Excalibur Place	1		1		33	
875	9737	Excalibur Place		1	1		30	9747
877	9747	Excalibur Place			1			9737
879	9783	Excalibur Place	1		1		7	
882	9799	Excalibur Place	1		1		15	
948	9794	Excalibur Place	0	1	1		33	9788
949	9788	Excalibur Place			1			9794
950	no address	Excalibur Place	1		1		34	
973	9778	Excalibur Place		1	1		13	9768
974	9768	Excalibur Place			1			9778
975	9760	Excalibur Place	1		1		11	
976	9752	Excalibur Place	1		1		6	
977	9732	Excalibur Place	1		1		7	
979	9688	Excalibur Place	1		1		6	
983	no address	Excalibur Place		1	1		8	9680
984	9680	Excalibur Place			1			with Lot 983
985	9676	Excalibur Place		1	1		8	7972
986	9672	Excalibur Place			1			9776
987	9656	Excalibur Place	1		1		8	
1049	11975	Fuzzy Bear	1		1		12	
1050	11945	Fuzzy Bear	1		1		11	
1051	11935	Fuzzy Bear	1		1		8	
1052	11911	Fuzzy Bear	1		1		31	
1053	11901	Fuzzy Bear	1		1		18	
1054	no address	Fuzzy Bear	1		1		16	
1055	11914	Fuzzy Bear	1	0	1		61	

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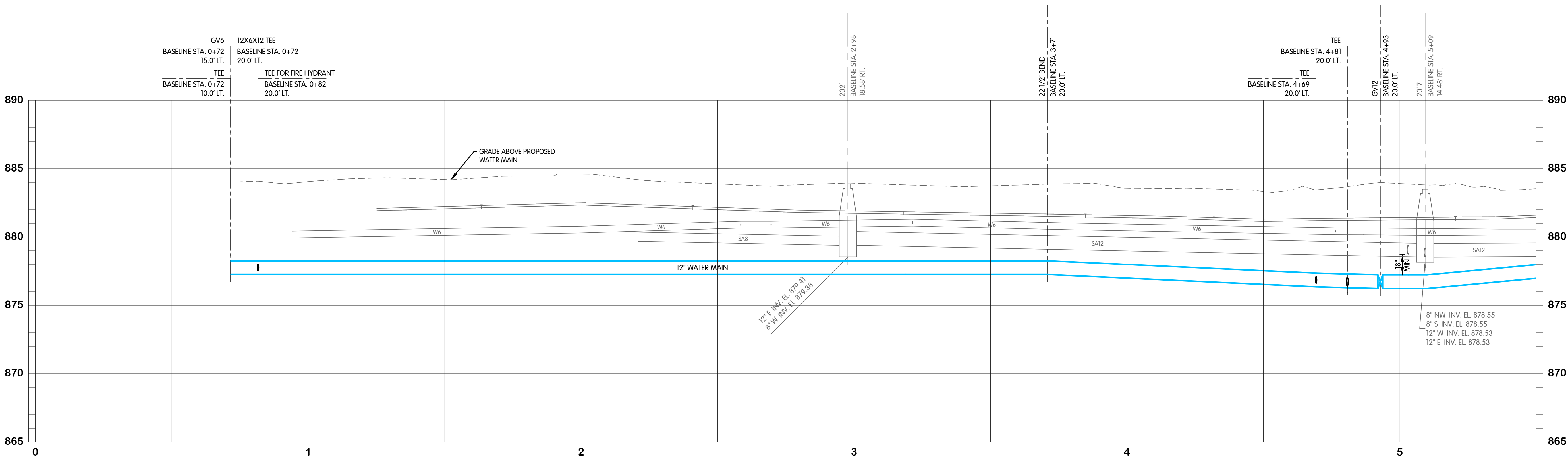
TCRSD		Fascination Place Meter Pits							2 of 4
Lot #	Address	Street	Meter Pit (each)		each	Service line (lf)		Notes	
			Single	Double		Open Cut	Bore		
1056	11932	Fuzzy Bear	1		1		33		
801	9505	King Arthur's Trail		1		0	42	9517	
802	9517	King Arthur's Trail			1	0		9505	
803	9527	King Arthur's Trail	1		1		42		
836	9705	King Arthur's Trail	1		1	6			
861	9581	King Arthur's Trail	1		1		41		
863	9597	King Arthur's Trail	1	0	1	7			
864	9629	King Arthur's Trail	1		1		41		
865	no address	King Arthur's Trail		1	1		39	no address	
866	no address	King Arthur's Trail			1			no address	
867	9671	King Arthur's Trail	1		1		35	9671	
869	no address	King Arthur's Trail	1		1		36	no address	
883	9753	King Arthur's Trail		0	1			9725 Pixie W	
913	no address	King Arthur's Trail	1		1		36		
924	9893	King Arthur's Trail	0		1			9852	
925	9893	King Arthur's Trail	1		1		38		
927	9892	King Arthur's Trail	1		1	3			
928	9872	King Arthur's Trail	1	0	1		4		
929	9862	King Arthur's Trail		1	1		4	9848	
930	9848	King Arthur's Trail			1			9829	
931	9838	King Arthur's Trail	1		1	4			
932	9847	King Arthur's Trail	1		1	10			
942	9787	King Arthur's Trail	1		1		25		
943	no address	King Arthur's Trail	1		1		25	empty lot	
944	9821	King Arthur's Trail		1	1		26	9833	
946	9833	King Arthur's Trail			1			9821	
947	9822	King Arthur's Trail	1	0	1		36		
1000	9598	King Arthur's Trail	1		1	3			
1013	9538	King Arthur's Trail			1			with Lot 835	
1014	no address	King Arthur's Trail		1	1	0		9508	
1015	9508	King Arthur's Trail		0	1	3		with Lot 1014	
1046	9996	King Arthur's Trail						9996	
1047	9980	King Arthur's Trail		1	1		35	9980	
1057	11949	N 1000 E	1		1		31		
1058	11987	N 1000 E	1		1		33		
807	9546	Pixie Parkway	1		1	0	42		
808	9530	Pixie Parkway	1		1	0	55		
810	9523	Pixie Parkway	1		1	10			
812	9521	Pixie Parkway		1	1		27	9519	
813	9519	Pixie Parkway			1			9521	
814	no address	Pixie Parkway	1		1		29		
816	9551	Pixie Parkway		1	1	30		with Lot 817	
817	no address	Pixie Parkway		0	1			9551	
818	9581	Pixie Parkway		1	1	29		with Lot 819	
819	no address	Pixie Parkway			1			9581	
820	9601	Pixie Parkway		1	1	25		9611	
821	9611	Pixie Parkway		0	1			9601	
822	9621	Pixie Parkway		1	1	25		9631	
823	9631	Pixie Parkway		0	1			9621	
824	no address	Pixie Parkway		1	1	24		9651	
825	9651	Pixie Parkway		0	1			with Lot 824	
826	9661	Pixie Parkway		1	1	25		9671	
827	9671	Pixie Parkway		0	1			9661	
828	9681	Pixie Parkway		1	1	34		9691	
829	9691	Pixie Parkway		0	1			9681	

L:\TurkeyCreek.868\8305\300_400\Estimating\20260130 meter only TC Water Est WM FP-2.xlsx

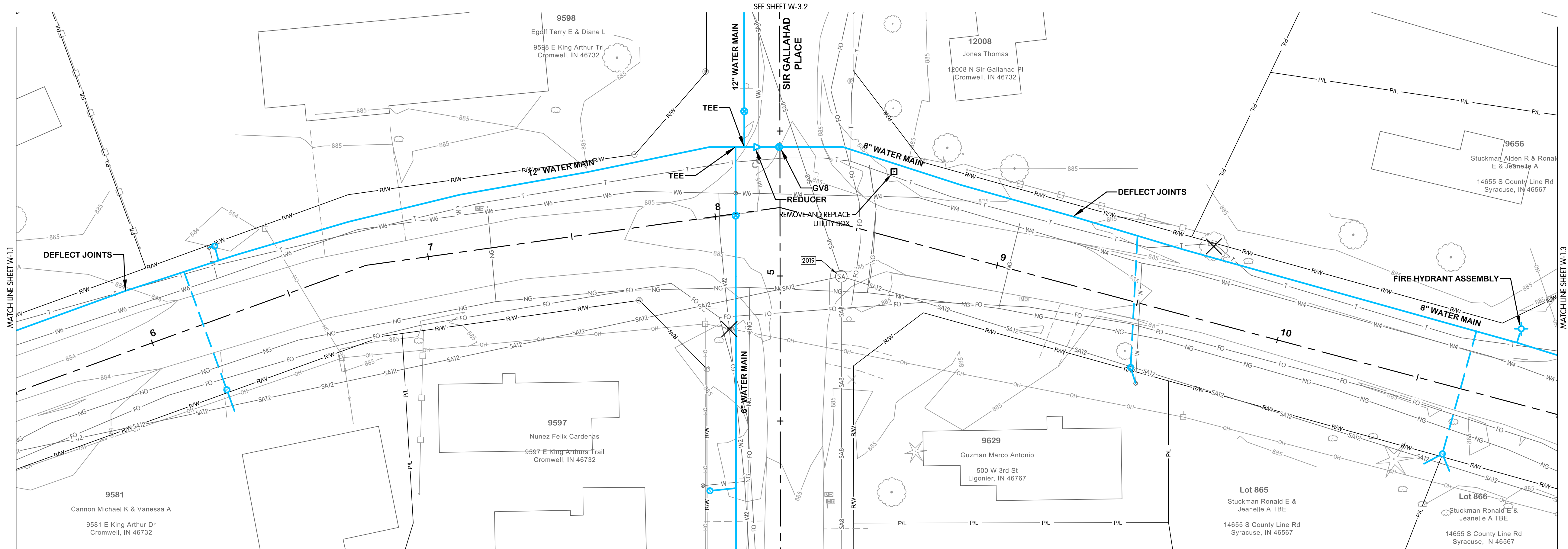
TCRSD		Fascination Place Meter Pits							3 of 4
Lot #	Address	Street	Meter Pit (each)			Service line (lf)		Notes	
			Single	Double	Meter	Open Cut	Bore		
830	9701	Pixie Parkway		1	1		30	9711	
831	9711	Pixie Parkway		0	1			9701	
832	9715	Pixie Parkway		1	1		36	9719	
833	9719	Pixie Parkway		0	1			9715	
834	9721	Pixie Parkway	1	0	1			33	
835	9725	Pixie Parkway		1	1		39	9753 King Arthur	
840	9680	Pixie Parkway	1		1		5		
841	no address	Pixie Parkway		1	1		13	9660	
842	9680	Pixie Parkway			1			with Lot 841	
843	9648	Pixie Parkway	1		1		12		
844	9636	Pixie Parkway	1	0	1		12	11918 Sir Gallahad	
855	9606	Pixie Parkway		1	1		8	with Lot 856	
856	no address	Pixie Parkway			1			9606	
804	11945	Raggedy Ann Road	1		1		11	empty lot	
805	11945	Raggedy Ann Road		1	1		11	11929	
806	11929	Raggedy Ann Road		0	1		0	11945	
857	11926	Raggedy Ann Road		1	1		30	11936	
858	11936	Raggedy Ann Road			1			11926	
859	no address	Raggedy Ann Road		1	1		29	11956	
860	11956	Raggedy Ann Road		0	1			with Lot 859	
1002	12000	Raggedy Ann Road		1	1		40	12006	
1003	12006	Raggedy Ann Road			1			12000	
1004	12016	Raggedy Ann Road		1	1		78	12026	
1005	12026	Raggedy Ann Road			1			12016	
1006	12033	Raggedy Ann Road		1	1		78	12033	
1008	12029	Raggedy Ann Road		1	1		48	12025	
1009	12025	Raggedy Ann Road			1			12029	
1010	12021	Raggedy Ann Road		1	1		15	12013	
1011	12013	Raggedy Ann Road			1			12021	
1012	no address	Raggedy Ann Road		1	1		6	9538 King Arthur	
884	9763	Rock A Bye Road	1		1		9		
885	9769	Rock A Bye Road	1		1		101		
887	no address	Rock A Bye Road	1		1		21		
888	9777	Rock A Bye Road	1		1			33	
889	9781	Rock A Bye Road	1		1			38	
890	9793	Rock A Bye Road	1		1			36	
891	no address	Rock A Bye Road	1		1			35	
892	9821	Rock A Bye Road		1	1		33	9837	
894	9837	Rock A Bye Road			1			9821	
935	9860	Rock A Bye Road	1		1		9		
936	9832	Rock A Bye Road	1		1		12		
937	no address	Rock A Bye Road		1	1		8	with Lot 938	
938	no address	Rock A Bye Road			1			with Lot 937	
939	9766	Rock A Bye Road	1		1		10		
941	9758	Rock A Bye Road	1		1		38		
845	11918	Sir Gallahad Place	1		1				
846	no address	Sir Gallahad Place		1	1		33		
847	11948	Sir Gallahad Place			1				
848	11958	Sir Gallahad Place		1	1		38	11968	
849	11968	Sir Gallahad Place			1			11958	
851	11957	Sir Gallahad Place		1	1		8	11947	
852	11947	Sir Gallahad Place			1			11957	
853	11937	Sir Gallahad Place		1	1		5	11925	
854	11925	Sir Gallahad Place			1			11937	
989	12008	Sir Gallahad Place		1	1		45	12014	

L:\TurkeyCreek.868\8305\300_400\Estimating\20260130 meter only TC Water Est WM FP-2.xlsx

TCRSD		Fascination Place Meter Pits							4 of 4
Lot #	Address	Street	Meter Pit (each)		each	Service line (lf)		Notes	
			Single	Double	Meter	Open Cut	Bore		
990	12014	Sir Gallahad Place			1			12008	
991	12022	Sir Gallahad Place	1		1		17		
992	12032	Sir Gallahad Place	1		1		10		
993	12043	Sir Gallahad Place	1		1		35		
995	12035	Sir Gallahad Place		1				12013	
996	12013	Sir Gallahad Place			1		110	12035	
926	9905	Starry Eyed Lane	1		1		35		
951	9829	Starry Eyed Lane	1		1		36		
954	9867	Starry Eyed Lane	1		1		36		
955	9863	Starry Eyed Lane	1		1		36		
957	9936	Starry Eyed Lane	1		1		42		
958	9930	Starry Eyed Lane		1	1		11	9922	
959	9922	Starry Eyed Lane			1			9930	
960	6620	Starry Eyed Lane	1		1		5		
961	9912	Starry Eyed Lane	1		1		7		
962	9889	Starry Eyed Lane		1	1		7	with Lot 963	
963	no address	Starry Eyed Lane			1			9889	
964	9870	Starry Eyed Lane		1	1		7	9856	
966	9856	Starry Eyed Lane	0		1		0	9870	
967	9844	Starry Eyed Lane	1		1		7		
968	9820	Starry Eyed Lane	1		1		8		
970	9802	Starry Eyed Lane	1		1		6		
972	9788	Starry Eyed Lane	1		1		6		
			84	52	187	707	2687		



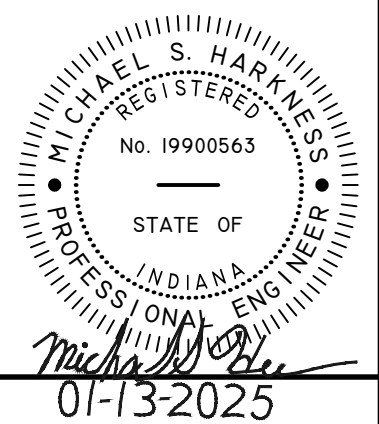
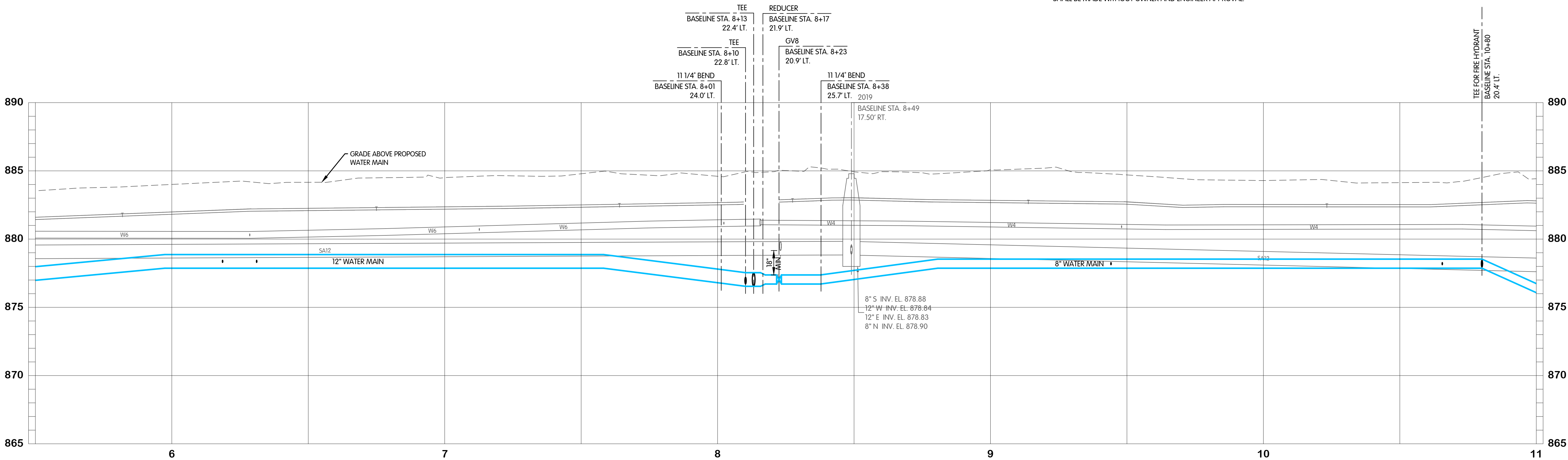
FTW-83054.00W-W-1.2 KING ARTHUR STA. 5+50 TO 11+00
1/28/2026 11:37 AM - ABLAISNG
1/29/2026 11:38 AM



EXISTING STRUCTURE DATA		
NAME	TYPE	DATA
2019	SANITARY MANHOLE	CASTING EL. 884.79 8" S INV. EL. 878.88 12" W INV. EL. 878.84 12" E INV. EL. 878.83 8" N INV. EL. 878.90

KING ARTHUR TRAIL

- NOTES:
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 - WATER SERVICES ARE SHOWN OFFSET FROM THE EXISTING WATER SERVICES FOR CLARITY AND SHALL BE INSTALLED ALONG THE SAME ALIGNMENT.
 - NOT ALL CONSTRUCTION NOTES ARE APPLICABLE TO EVERY SHEET.
 - RIGHT-OF-WAY LIMITS SHOWN ARE APPROXIMATE.
 - WATER METER PITS TO BE LOCATED OFF OF PAVEMENT AND WITHIN THE RIGHT-OF-WAY. EXACT LOCATION OF THE METER PITS TO BE COORDINATED WITH THE OWNER.
 - UTILITIES HAVE BEEN SHOWN BASED UPON BEST AVAILABLE INFORMATION FROM SURVEYS AND MAPS PROVIDED BY THE UTILITIES. CONTRACTOR SHALL FIELD VERIFY UTILITIES VIA VACUUM EXCAVATION / POT-HOLING PRIOR TO CONSTRUCTION. SUCH WORK SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION. NO CHANGES FROM PLANS SHALL BE MADE WITHOUT OWNER AND ENGINEER APPROVAL.



KING ARTHUR TRAIL WATER PLAN AND PROFILE STA. 5+50 TO 11+00 TURKEY CREEK REGIONAL SEWER DISTRICT FASCINATION PLACE WATER MAIN IMPROVEMENTS

JPM	BY
1	01-28-2026
2	01-28-2026
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4	01-28-2026
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99	01-28-2026
100	01-28-2026

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SCALE 1"=20' HOR.
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PLOTTED TO NOTED SCALE

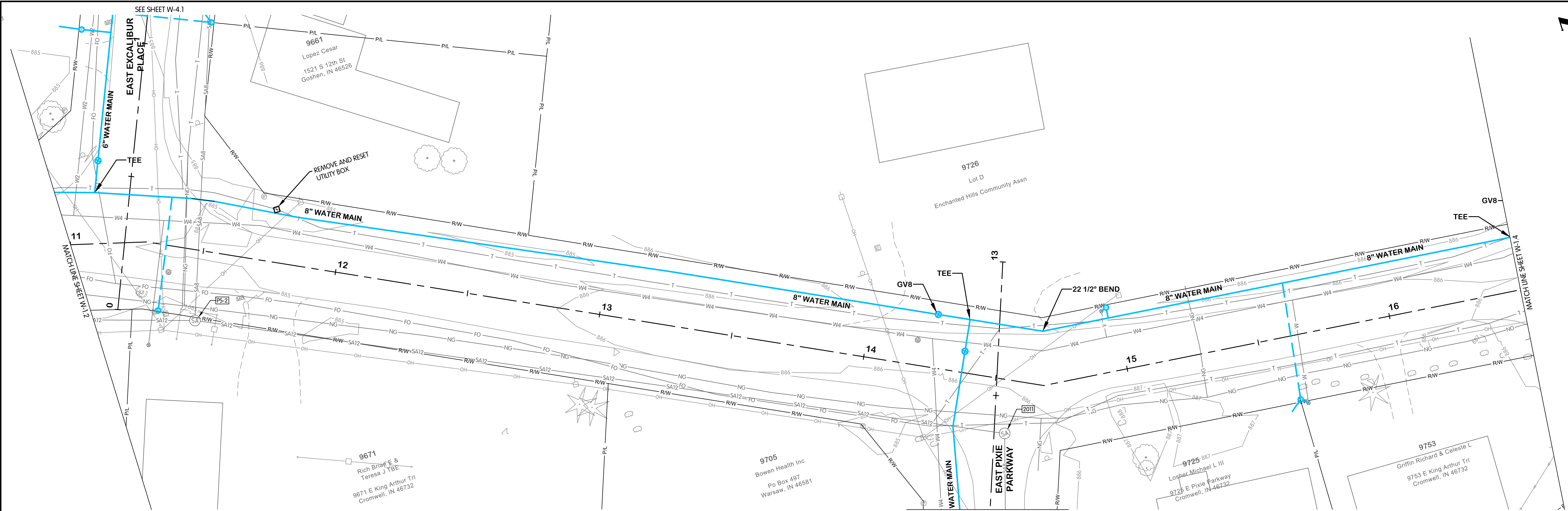
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JPM	AJB	MSH

STATUS ISSUED FOR BIDS

DATE 2026

SHEET NO. W-1.2
7 OF 48

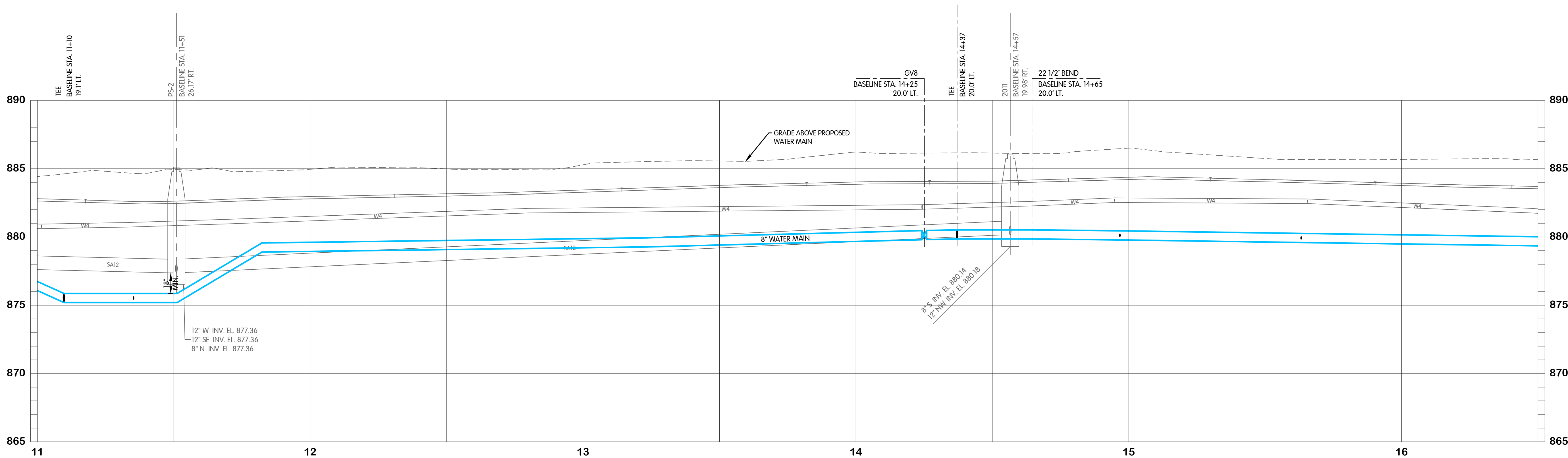
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1/28/2026 11:37 AM - ABLAISNG
1/29/2026 11:38 AM



EXISTING STRUCTURE DATA		
NAME	TYPE	DATA
2011	SANITARY MANHOLE	CASTING EL. 886.07 8" S INV. EL. 880.14 12" NW INV. EL. 880.18
PS-2	SANITARY MANHOLE	CASTING EL. 885.12 12" W INV. EL. 877.36 12" SE INV. EL. 877.36 8" N INV. EL. 877.36

KING ARTHUR TRAIL

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KING ARTHUR TRAIL WATER PLAN AND PROFILE STA. 11+00 TO 16+50 TURKEY CREEK REGIONAL SEWER DISTRICT FASCINATION PLACE WATER MAIN IMPROVEMENTS

NO.	DATE	REVISIONS AFTER ISSUED FOR BID	JPM	BY
1	01-28-2026	ADDENDUM 2		

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SCALE 1"=20' HOR.
1"=4' VERT.

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PLOTTED TO NOTED SCALE

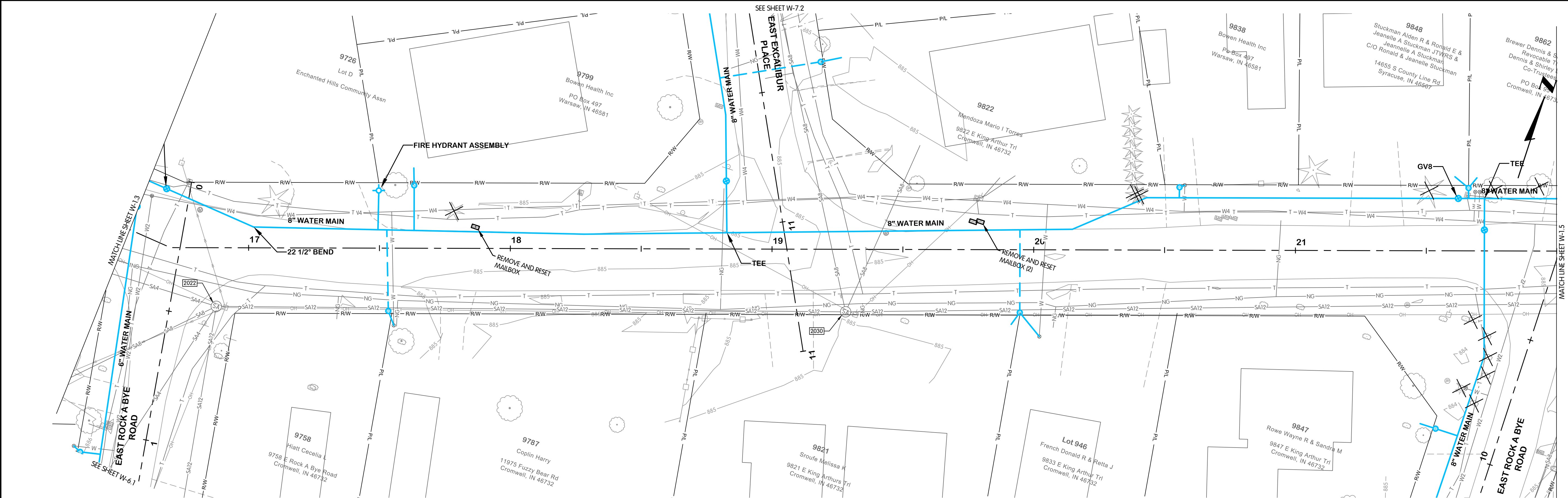
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STATUS ISSUED FOR BID

DATE 2026

SHEET NO. W-1.3
8 OF 48

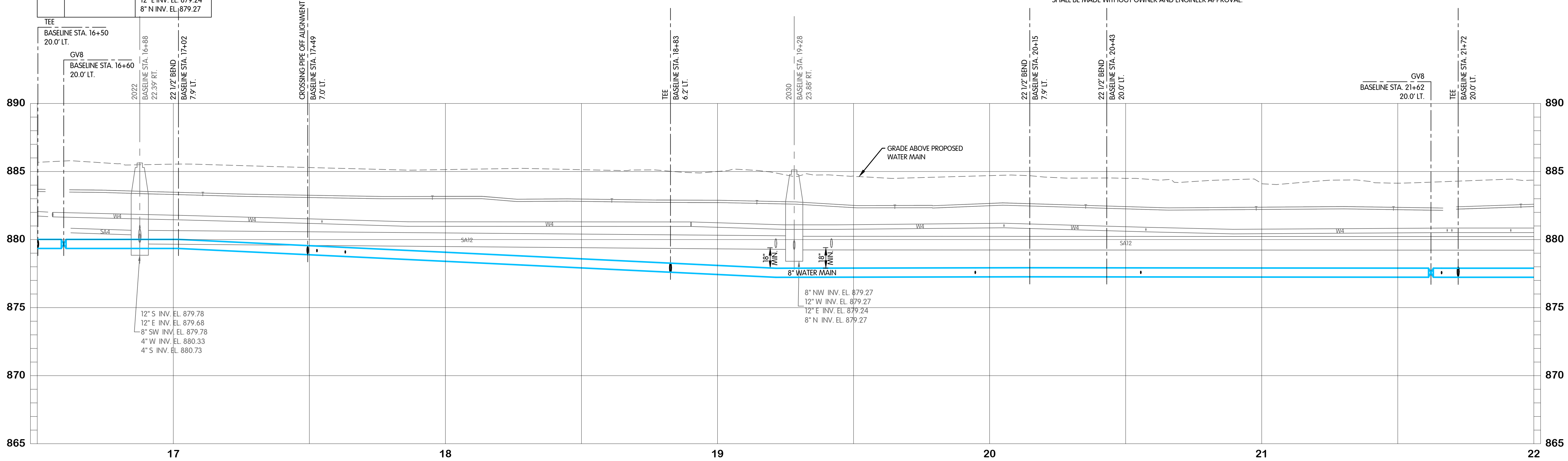
FTW-83064.00W-W-1.4 KING ARTHUR STA. 16+50 TO 22+00
1/28/2026 11:37 AM - ABLASING
1/29/2026 11:39 AM



KING ARTHUR TRAIL

- NOTES:
1. CONTRACTOR SHALL TRIM TREES AND BRUSH AS NECESSARY FOR THE INSTALLATION OF THE WORK.
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EXISTING STRUCTURE DATA		
NAME	TYPE	DATA
2022	SANITARY MANHOLE	CASTING EL. 885.63 12" S INV. EL. 879.78 12" E INV. EL. 879.68 8" SW INV. EL. 879.78 4" W INV. EL. 880.33 4" S INV. EL. 880.73
2030	SANITARY MANHOLE	CASTING EL. 885.12 8" NW INV. EL. 879.27 12" W INV. EL. 879.27 12" E INV. EL. 879.24 8" N INV. EL. 879.27



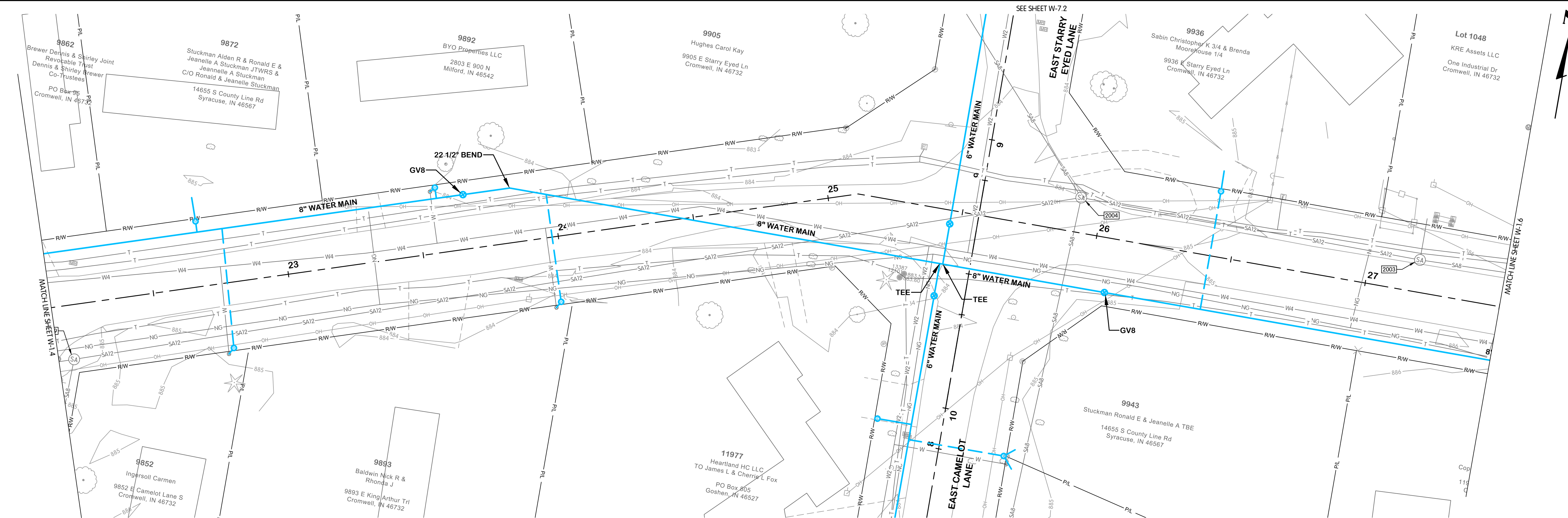
Professional Engineer
No. 19900563
STATE OF INDIANA
MICHAEL S. HARKINS
01-13-2025
TCRSD

**KING ARTHUR TRAIL
WATER
PLAN AND PROFILE
STA. 16+50 TO 22+00
TURKEY CREEK REGIONAL SEWER DISTRICT
FASCINATION PLACE WATER MAIN IMPROVEMENTS**

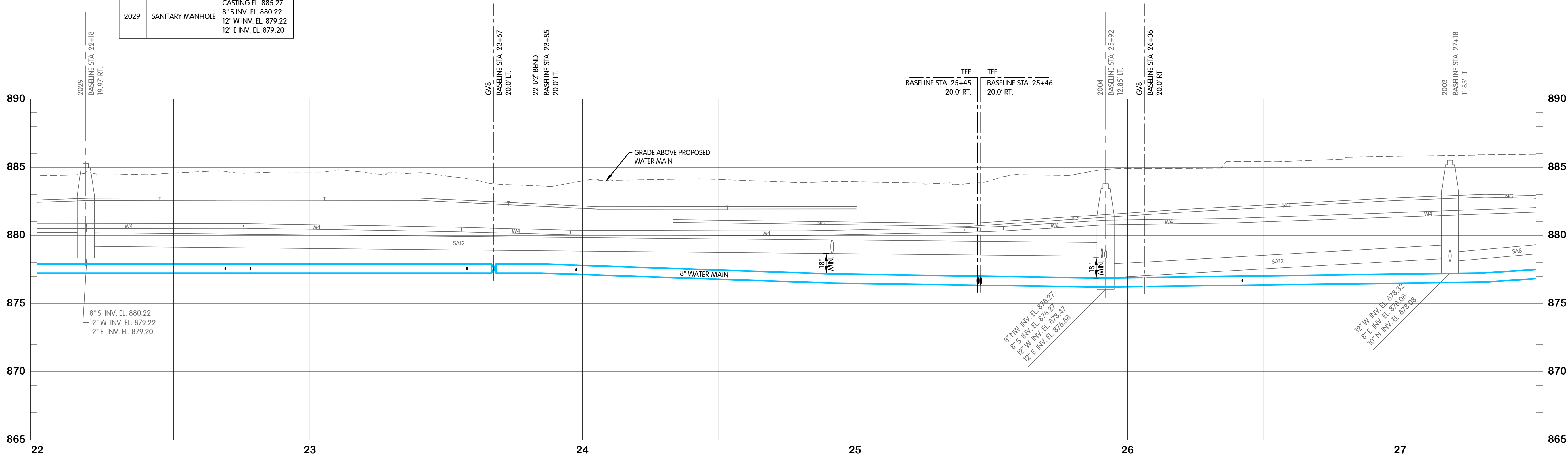
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1"=4' VERT.
THIS LINE SCALES 1" WHEN
PLOTTED TO NOTED SCALE
DESIGNED JPM DRAWN AJB CHECKED MSH
STATUS ISSUED FOR BIDS
DATE 2026
SHEET NO. W-1.4
9 OF 48

FTW-83064.00W-W-1.5 KING ARTHUR STA. 22+00 TO 27+50
1/28/2026 11:37 AM - ABLAISNG
1/29/2026 11:39 AM



EXISTING STRUCTURE DATA		
NAME	TYPE	DATA
2003	SANITARY MANHOLE	CASTING EL. 885.51 12" W INV. EL. 878.32 8" E INV. EL. 878.08 10" N INV. EL. 878.08
2004	SANITARY MANHOLE	CASTING EL. 883.79 8" NW INV. EL. 878.27 12" W INV. EL. 878.47 12" E INV. EL. 876.88 8" S INV. EL. 878.27
2029	SANITARY MANHOLE	CASTING EL. 885.27 8" S INV. EL. 880.22 12" W INV. EL. 879.22 12" E INV. EL. 879.20



- NOTES:
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KING ARTHUR TRAIL
WATER
PLAN AND PROFILE
STA. 22+00 TO 27+50
TURKEY CREEK REGIONAL SEWER DISTRICT
FASCINATION PLACE WATER MAIN IMPROVEMENTS

NO.	DATE	REVISIONS AFTER ISSUED FOR BID	JPM	BY
1	01-28-2026	ADDENDUM 2		

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SCALE 1"=20' HOR.
1"=4' VERT.

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PLOTTED TO NOTED SCALE

DESIGNED	DRAWN	CHECKED
JPM	AJB	MSH

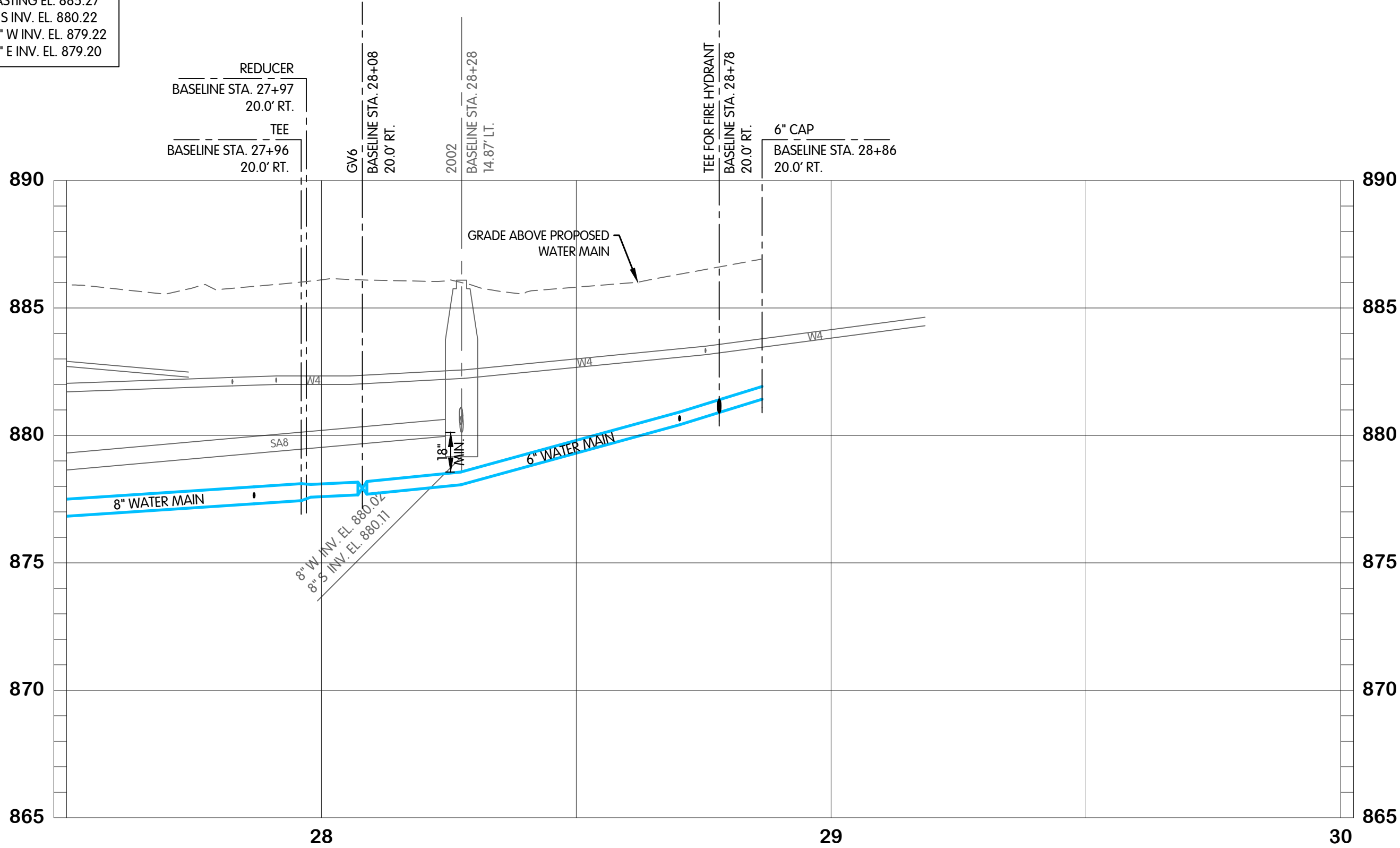
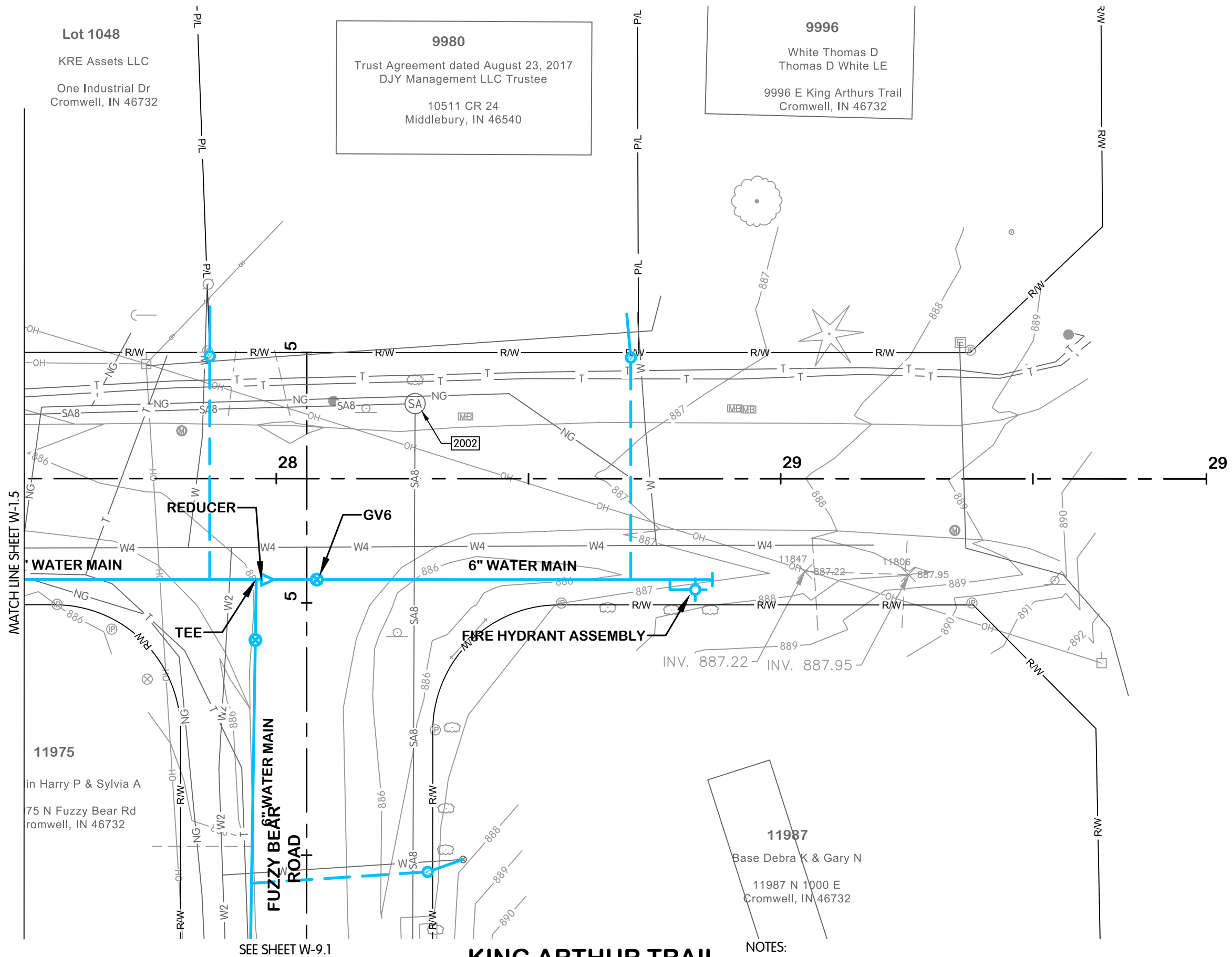
STATUS ISSUED FOR BID

DATE 2026

SHEET NO. W-1.5
10 OF 48

FTW-83054.00W-W-1.6 KING ARTHUR STA. 27+50 TO 30+00
1/28/2026 11:37 AM - ABLAISNG
1/29/2026 11:40 AM

EXISTING STRUCTURE DATA		
NAME	TYPE	DATA
2003	SANITARY MANHOLE	CASTING EL. 885.51 12" W INV. EL. 878.32 8" E INV. EL. 878.08 10" N INV. EL. 878.08
2004	SANITARY MANHOLE	CASTING EL. 883.79 8" NW INV. EL. 878.27 12" W INV. EL. 878.47 12" E INV. EL. 876.88 8" S INV. EL. 878.27
2029	SANITARY MANHOLE	CASTING EL. 885.27 8" S INV. EL. 880.22 12" W INV. EL. 879.22 12" E INV. EL. 879.20



Michael S. Harkner
REGISTERED
No. 19900563
STATE OF INDIANA
Professional Engineer
01-13-2025

KING ARTHUR TRAIL
WATER
PLAN AND PROFILE
STA. 27+50 TO 30+00
TURKEY CREEK REGIONAL SEWER DISTRICT
FASCINATION PLACE WATER MAIN IMPROVEMENTS

1	01-28-2026	ADDENDUM 2	NO.	DATE	REVISIONS AFTER ISSUED FOR BID	JPM	BY
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JOB NO. 868-8305.400

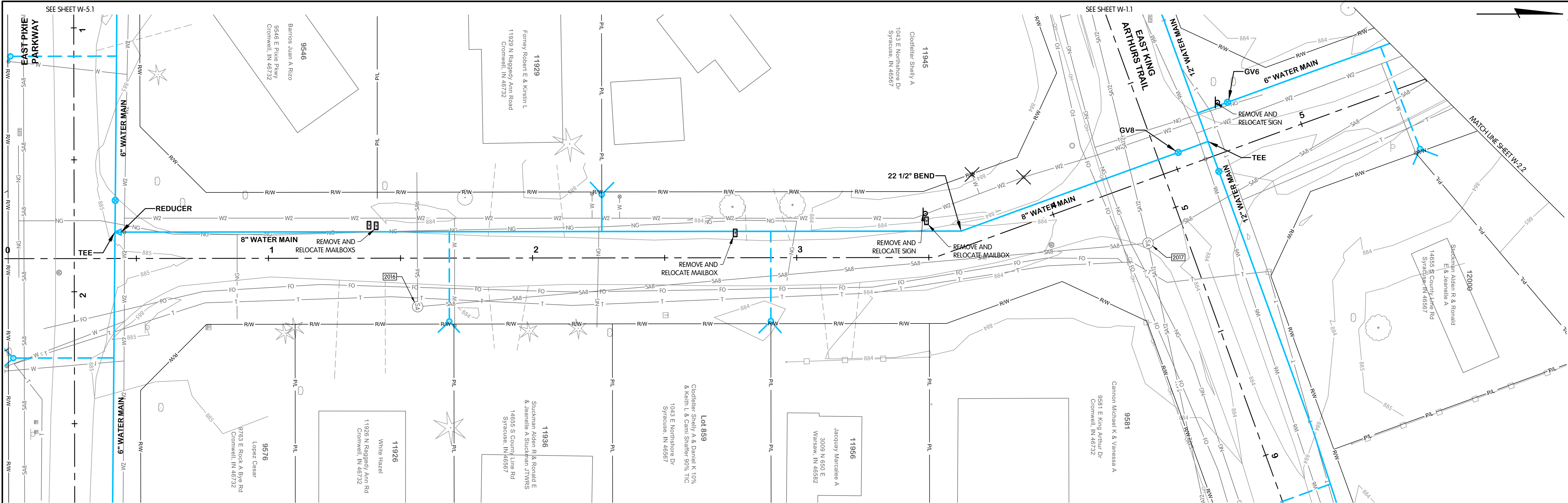
SCALE 1"=20' HOR.
1"=4' VERT.

THIS LINE SCALES 1" WHEN
PLOTTED TO NOTED SCALE

DESIGNED JPM DRAWN AJB CHECKED MSH
STATUS ISSUED FOR BID
DATE 2026
SHEET NO. 2

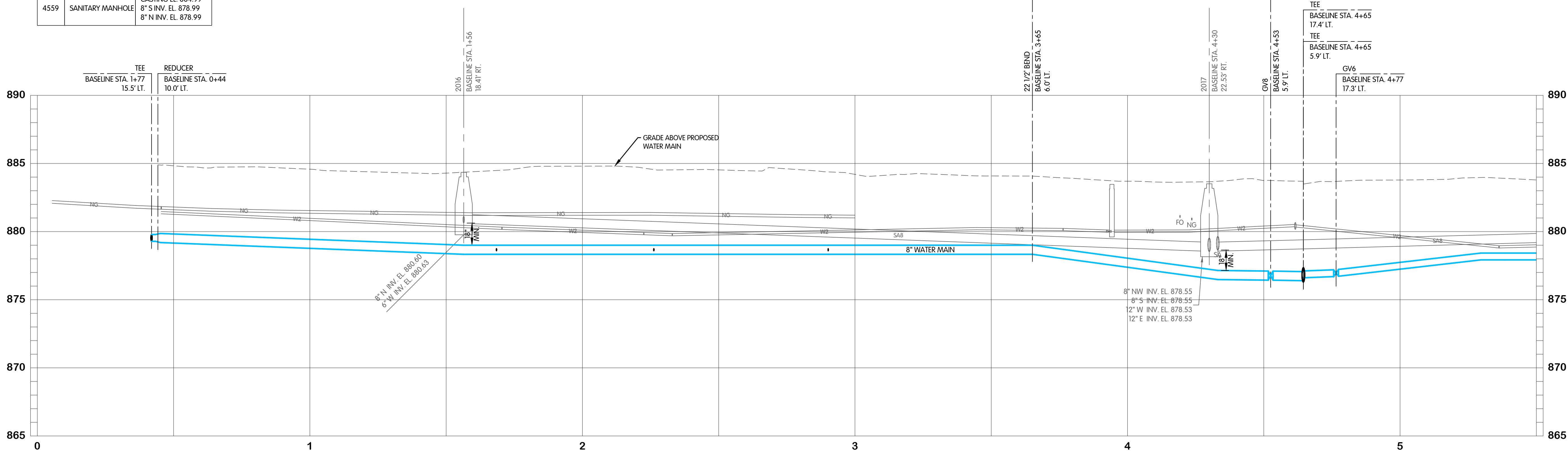
W-1.6
11 OF 48

FTW-8505-000W-2-W-2-1 RAGGEDY ANN STA. 0+00 TO 5+50
1/21/2025 11:07 AM
JPM - AB/MSH



- NOTES:
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EXISTING STRUCTURE DATA		
NAME	TYPE	DATA
2014	SANITARY MANHOLE	CASTING EL. 885.71 8\" W INV. EL. 879.91 8\" E INV. EL. 880.91 8\" N INV. EL. 880.11
2019	SANITARY MANHOLE	CASTING EL. 884.79 8\" S INV. EL. 878.88 12\" W INV. EL. 878.84 12\" E INV. EL. 878.83 8\" N INV. EL. 878.90
4559	SANITARY MANHOLE	CASTING EL. 884.99 8\" S INV. EL. 878.99 8\" N INV. EL. 878.99



REGISTERED PROFESSIONAL ENGINEER

STATE OF INDIANA

NO. 19900563

01-13-2025

TCRSD

INDIANAPOLIS, IN

RAGGEDY ANN ROAD

WATER

PLAN AND PROFILE

STA. 0+00 TO 5+50

TURKEY CREEK REGIONAL SEWER DISTRICT

FASCINATION PLACE WATER MAIN IMPROVEMENTS

DESIGNED

DRAWN

CHECKED

STATUS

DATE

ISSUED FOR BIDS

2026

JPM

AJB

MSH

NO.

DATE

REVISIONS AFTER ISSUED FOR BIDS

1

01-28-2026

ADDENDUM 2

2

3

4

5

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Jones & Henry Engineers, Ltd.

JH

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JOB NO.

868-8305.400

SCALE

1\"=20' HOR.

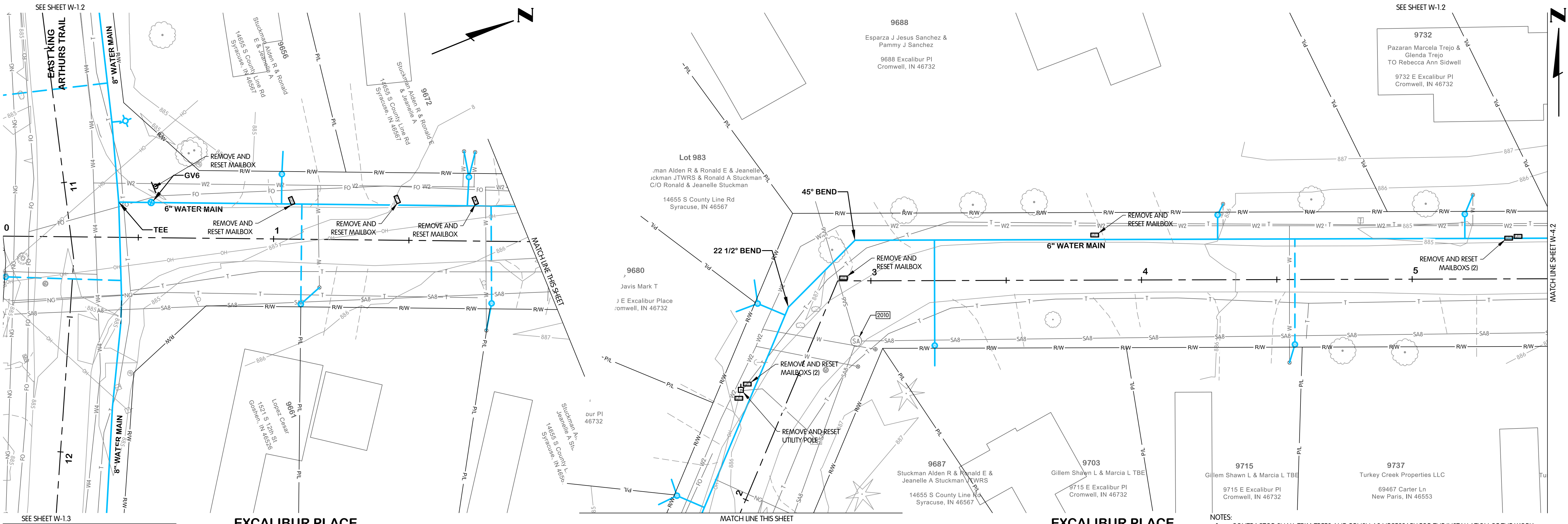
1\"=4' VERT.

THIS LINE SCALES IF WHEN PLOTTED TO NOTED SCALE

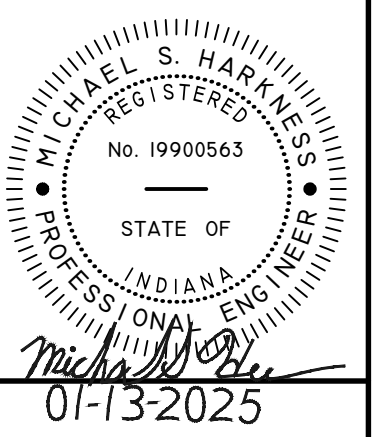
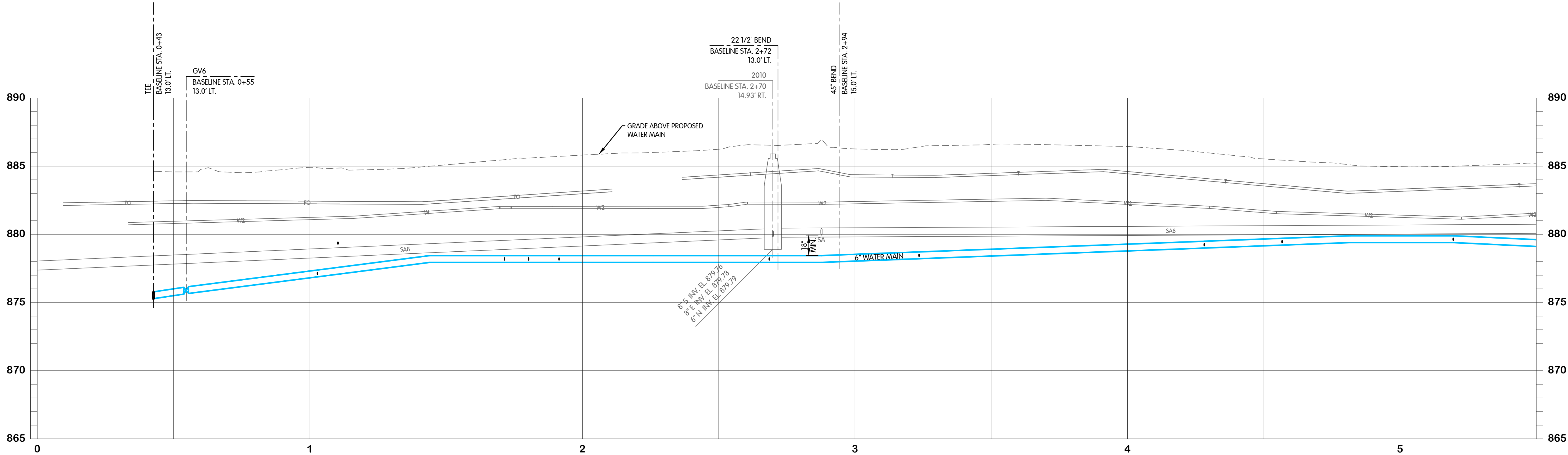
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12 OF 48

FTW-8305-00W-4-W-4.1 EXCALIBUR STA. 0+00 TO 5+50
1/29/2026 11:16 AM - ABLASING
1/29/2026 11:43 AM



EXISTING STRUCTURE DATA		
NAME	TYPE	DATA
2010	SANITARY MANHOLE	CASTING EL. 885.90 8\" S INV. EL. 879.76 8\" E INV. EL. 879.78 6\" N INV. EL. 879.79
PS-2	SANITARY MANHOLE	CASTING EL. 885.12 12\" W INV. EL. 877.36 12\" SE INV. EL. 877.36 8\" N INV. EL. 877.36

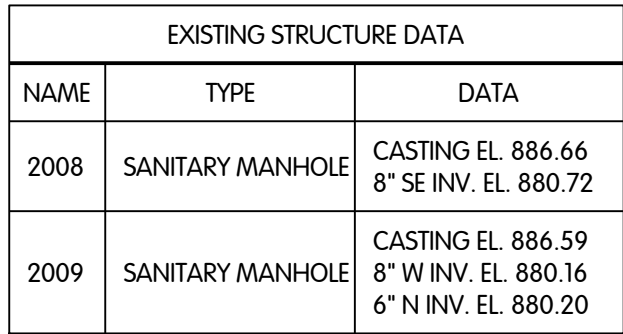


EXCALIBUR PLACE
WATER
PLAN AND PROFILE
STA. 0+00 TO 5+50
TURKEY CREEK REGIONAL SEWER DISTRICT
FASCINATION PLACE WATER MAIN IMPROVEMENTS

NO.	DATE	REVISIONS AFTER ISSUED FOR BID	JPM	BY
1	01-28-2026	ADDENDUM 2		

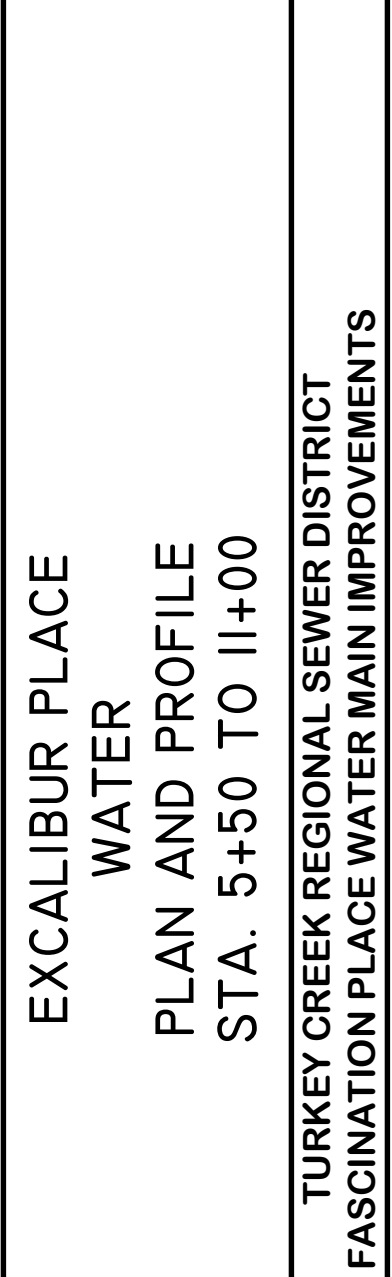
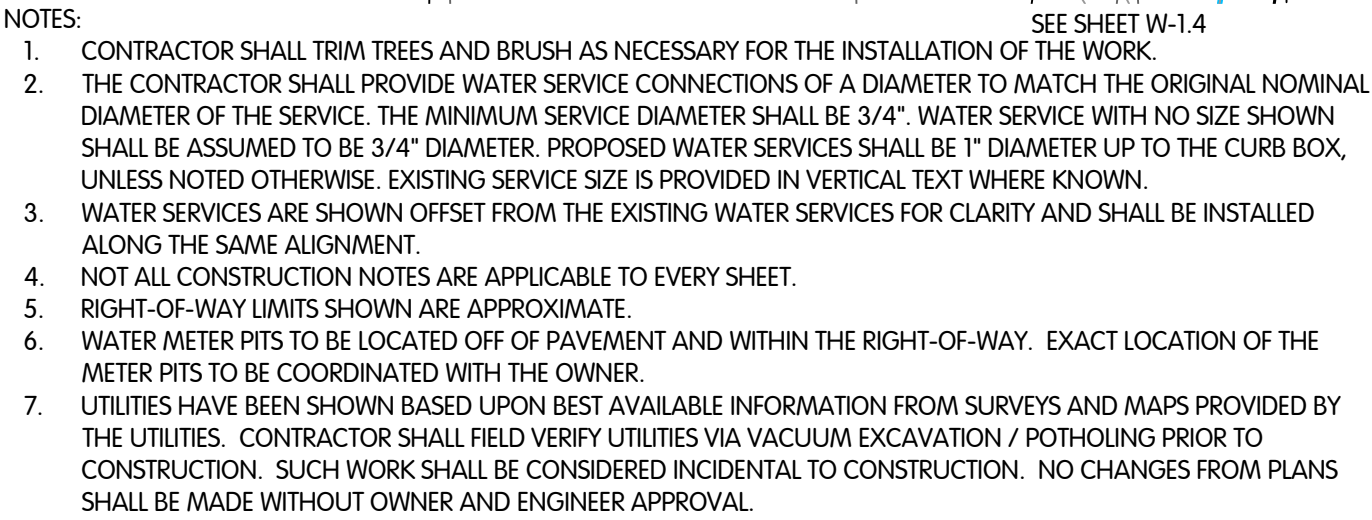


JOB NO.	868-8305.400	
SCALE	1"=20' HOR. 1"=4' VERT.	
THIS LINE SCALES IF WHEN PLOTTED TO NOTED SCALE		
DESIGNED	DRAWN	CHECKED
JPM	AJB	MSH
STATUS	ISSUED FOR BID	
DATE:	2026	
SHEET NO.		
W-4.1		
16 OF 48		

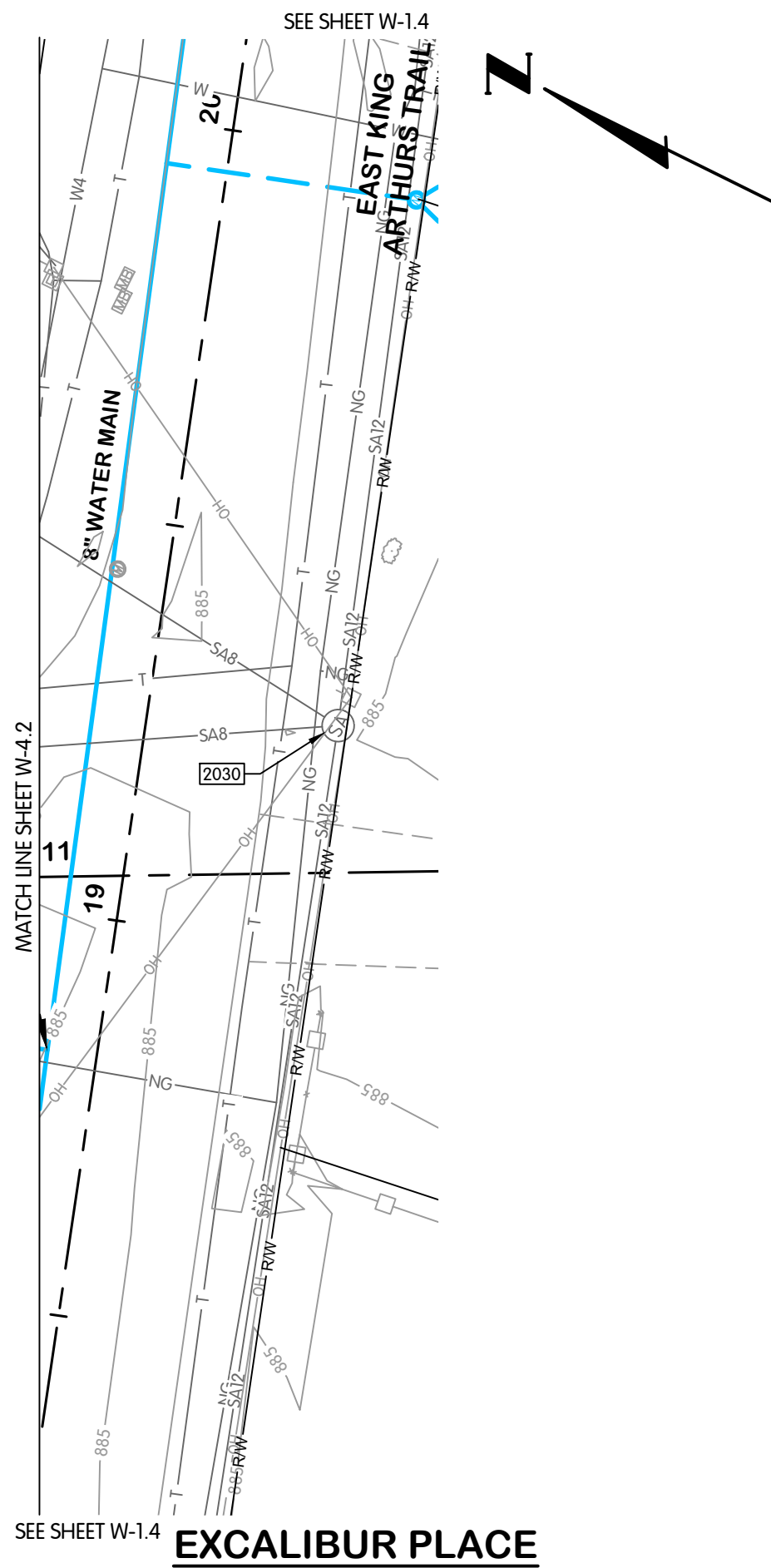


This profile view illustrates the vertical alignment of a water main installation. The horizontal axis represents stationing from 6 to 11, and the vertical axis represents elevation in feet, ranging from 865 to 890. Key features include:

- Proposed 6" Water Main:** Shown as a solid blue line, starting at approximately 879.5' at station 6, dipping slightly to 878.5' at station 7, then rising to a peak of 881.0' at station 9.2, before settling around 878.5' at station 11.
- Existing Infrastructure:** Includes an 18" WWT (Wastewater Treatment) structure at station 6+30, a 22 1/2" bend at station 7+41, and a 6" tee at station 8+34.
- Grade and Elevation Data:** The profile shows the existing ground surface (dashed line) and the proposed water main grade (solid blue line). A note indicates the grade is above the proposed water main at station 7+41.
- Structural Details:** A cross-section of the 6" water main is shown at station 6+30, with an 18" diameter and a 6" wall thickness. The invert elevation is 880.16'.
- Stationing and Elevation Markers:**
 - Station 6+30: Base line station, 19.15' RT.
 - Station 7+41: 22 1/2" bend, 20.8' LT.
 - Station 8+34: 6" tee, 9.2' RT.
 - Station 8+38: 8x6 reducer, 10.6' RT.
 - Station 10+81: GV8, 18.7' RT.



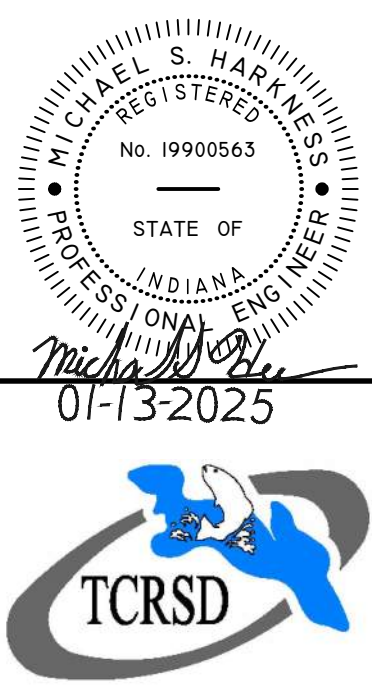
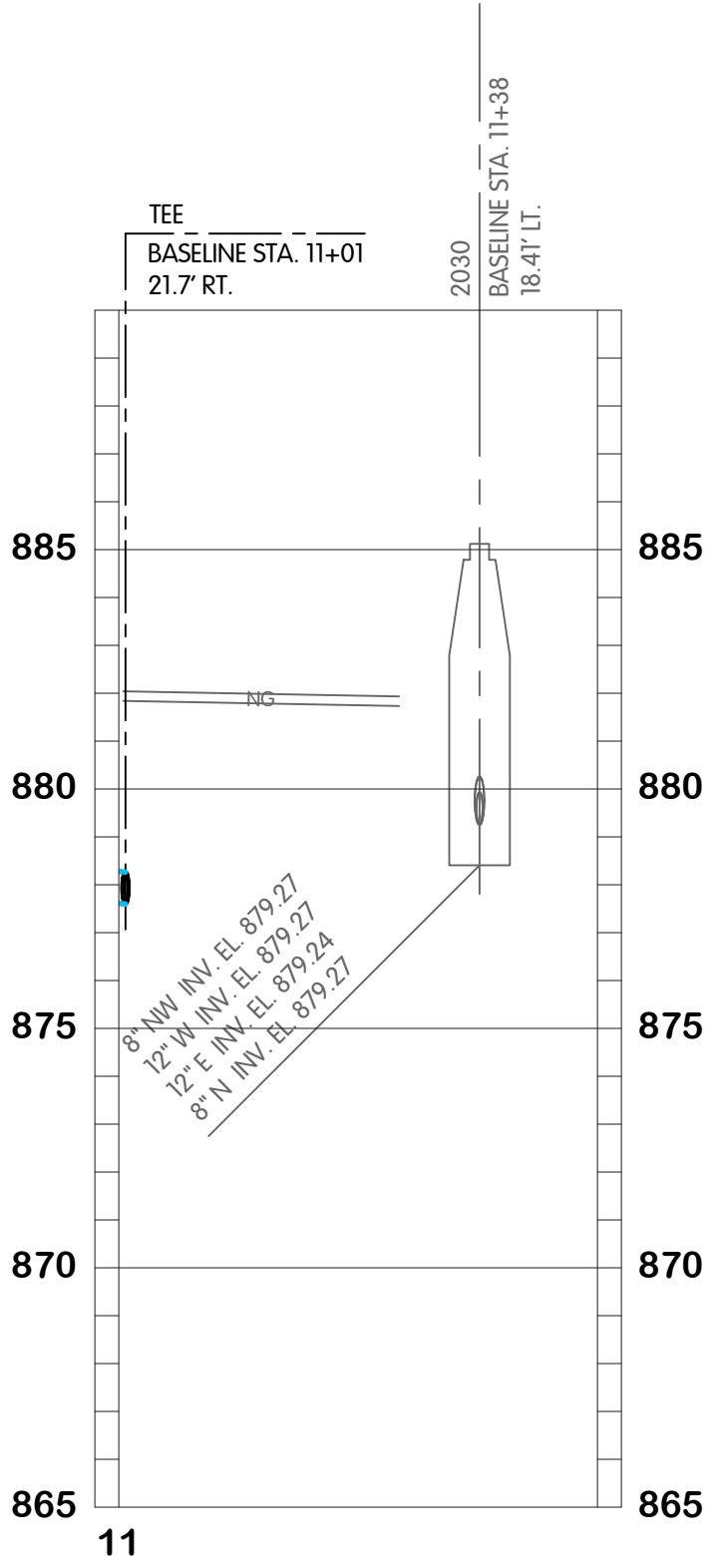
NO	DATE	REVISIONS AFTER ISSUED FOR BID	BY
1	01-28-2020	ADDENDUM 2	JPM
2			
3			
4			
5			



EXISTING STRUCTURE DATA		
NAME	TYPE	DATA
2030	SANITARY MANHOLE	CASTING EL. 885.12 8" NW INV. EL. 879.27 12" W INV. EL. 879.27 12" E INV. EL. 879.24 8" N INV. EL. 879.27

NOTES:

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EXCALIBUR PLACE
WATER
PLAN AND PROFILE
STA. 11+00 TO 11+50

**TURKEY CREEK REGIONAL SEWER DISTRICT
FASCINATION PLACE WATER MAIN IMPROVEMENTS**

NO.	DATE	REVISIONS AFTER ISSUED FOR BID	BY	JPM
1	01-28-2026	ADDENDUM 2		

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JOB NO. 868-8305.400

SCALE 1"=20' HOR.
1"=4' VERT.

THIS LINE SCALES 1" WHEN
PLOTTED TO NOTED SCALE

DESIGNED	DRAWN	CHECKED
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DESIGNED JPM	DRAWN AJB	CHECKED MSH
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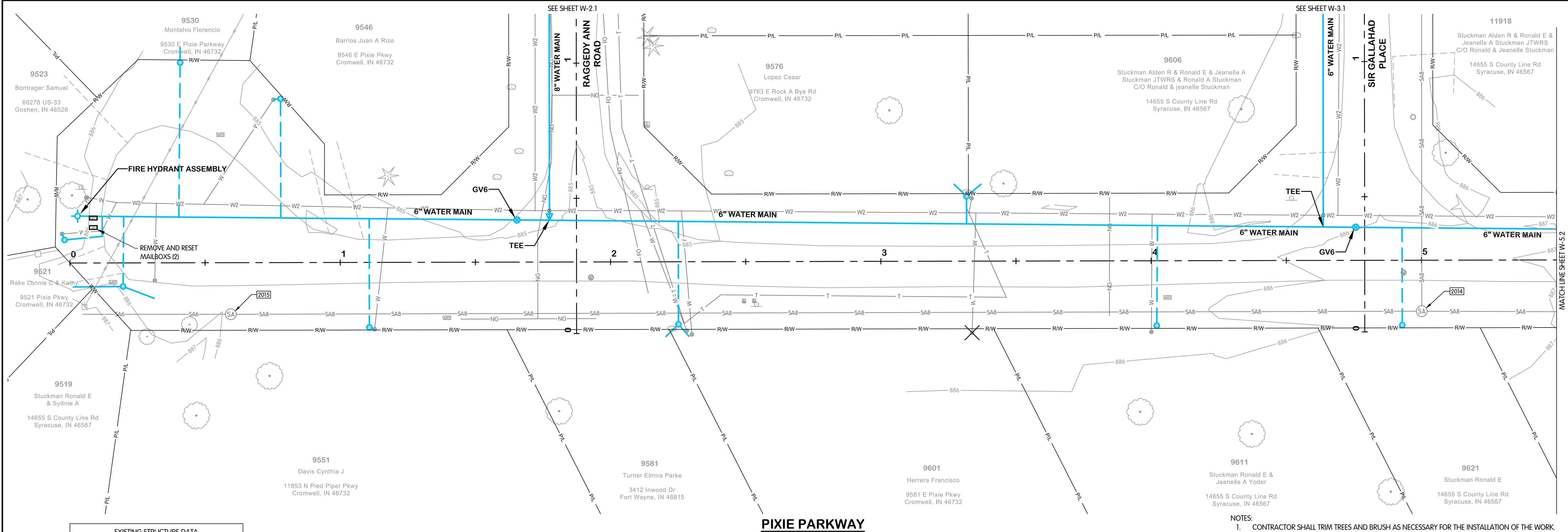
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STATUS: ISSUED FOR BID		

STATUS: ISSUED FOR BID
DATE: 2026 ▲

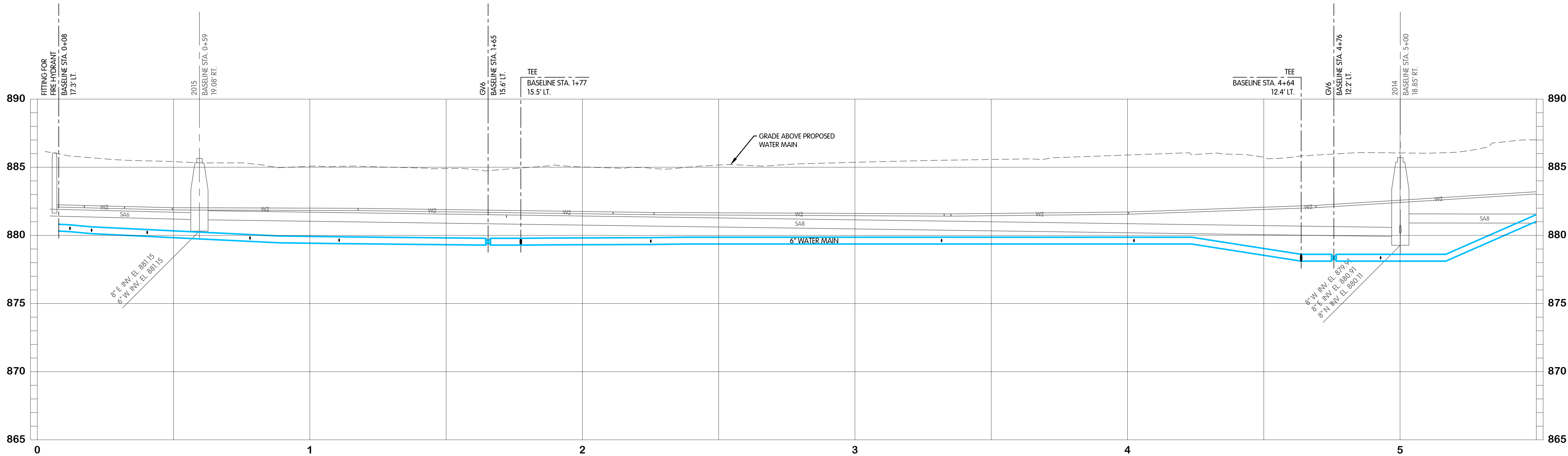
SHEET NO. 2

W-4.3

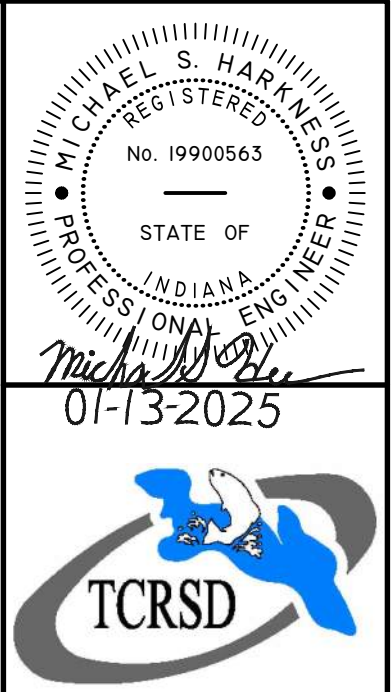
FTW-5306-00W6-W-5.1 PIXIE STA. 0+00 TO 5+50
1/28/2026 1:38 PM - ABLAISING
1/29/2026 11:44 AM



EXISTING STRUCTURE DATA		
NAME	TYPE	DATA
2014	SANITARY MANHOLE	CASTING EL. 885.71 8" W INV. EL. 879.91 8" E INV. EL. 880.91 8" N INV. EL. 880.11
2015	SANITARY MANHOLE	CASTING EL. 885.65 8" E INV. EL. 881.15 6" W INV. EL. 881.15



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PIXIE PARKWAY
WATER
PLAN AND PROFILE
STA. 0+00 TO 5+50
TURKEY CREEK REGIONAL SEWER DISTRICT
FASCINATION PLACE WATER MAIN IMPROVEMENTS

NO.		DATE	REVISIONS AFTER ISSUED FOR BID	JPM	BY
1	01-28-2026	ADDENDUM 2			

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SCALE 1"=20' HOR.
1"=4' VERT.

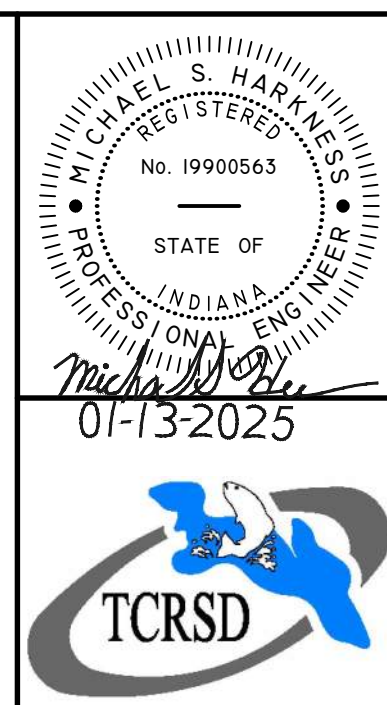
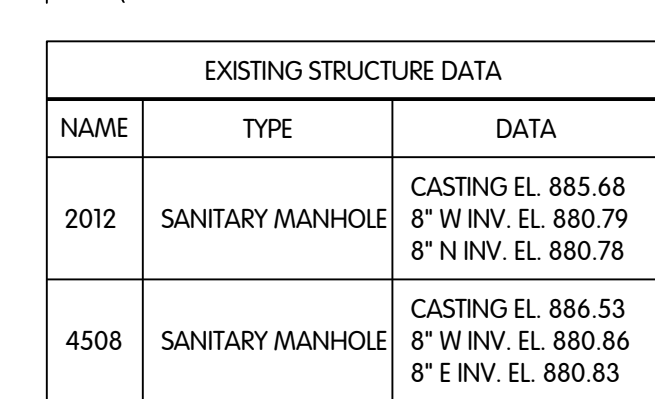
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PLOTTED TO NOTED SCALE

DESIGNED	DRAWN	CHECKED
JPM	AJB	MSH

STATUS ISSUED FOR BID

DATE 2026

SHEET NO. W-5.1
19 OF 48



PIXIE PARKWAY
WATER
PLAN AND PROFILE
STA. 5+50 TO 11+00

TURKEY CREEK REGIONAL SEWER DISTRICT
FASCINATION PLACE WATER MAIN IMPROVEMENTS

NO	DATE	REVISIONS AFTER ISSUED FOR BID	BY
2			JPM
1	01-28-2026	ADDENDUM 2	

Jones & Henry
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JOB NO. 868-8305.400

SCALE	1"=20' HOR. 1"=4' VERT.
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THIS LINE SCALES 1" WHEN
PLOTTED TO NOTED SCALE

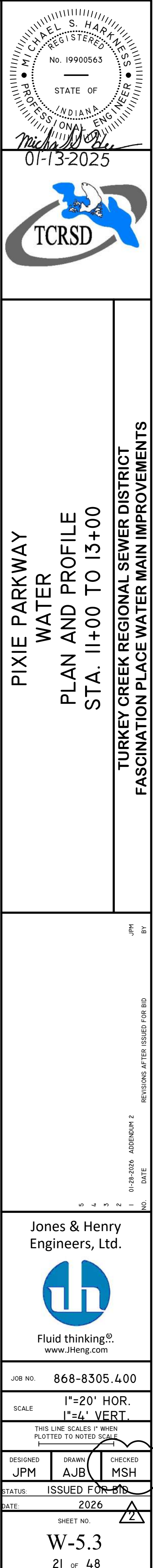
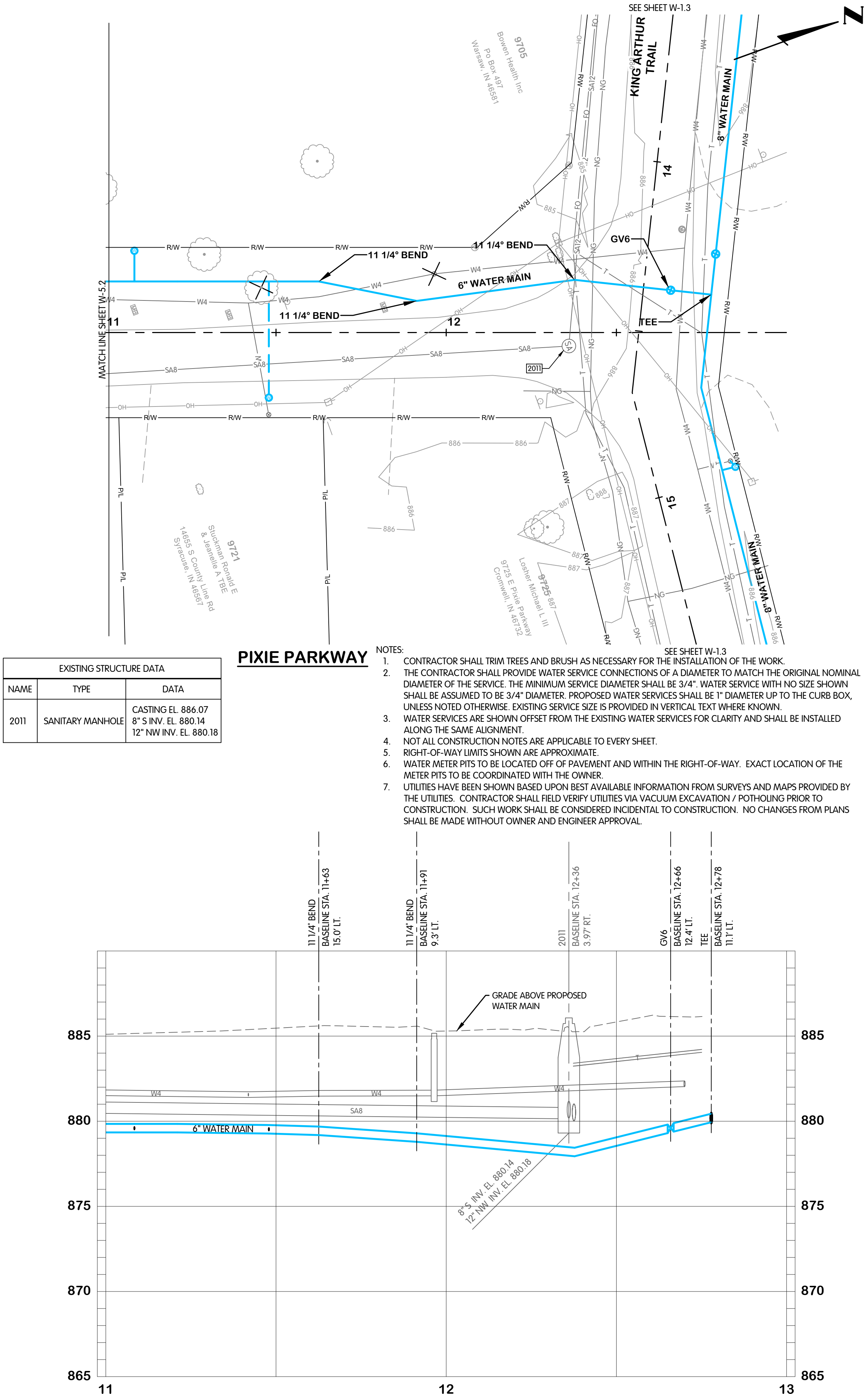
DESIGNED JPM	DRAWN AJB	CHECKED MSH
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STATUS:	ISSUED FOR BID
DATE:	2026

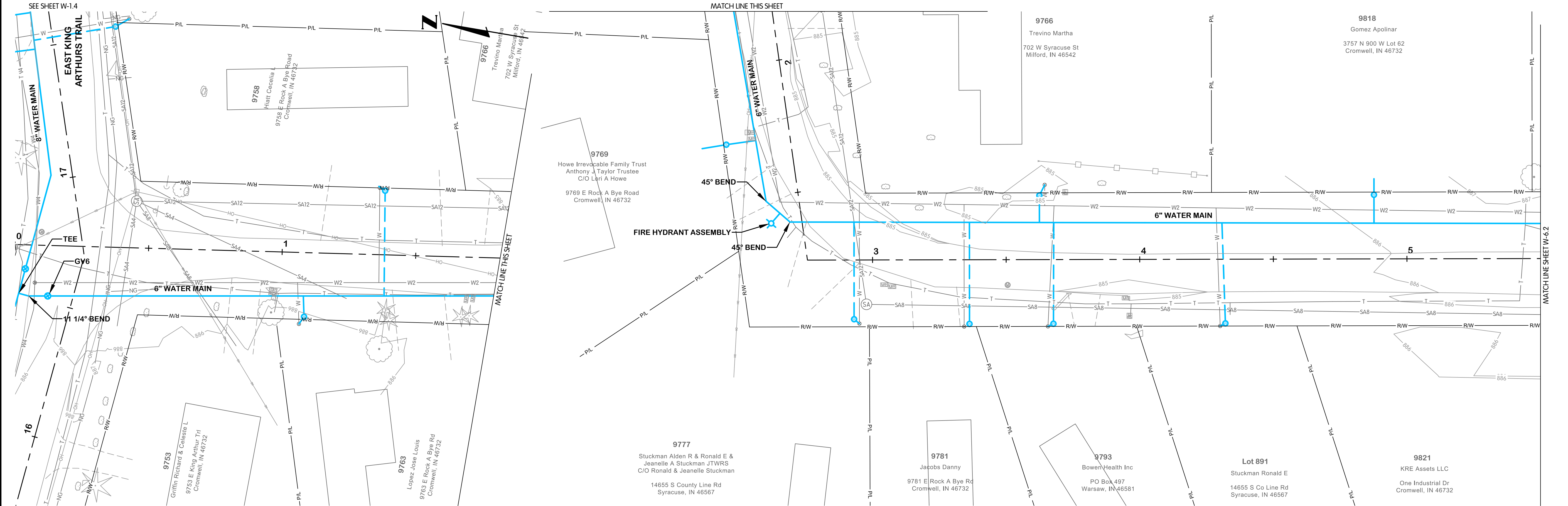
SHEET NO. 2

W-52

20 OF 48



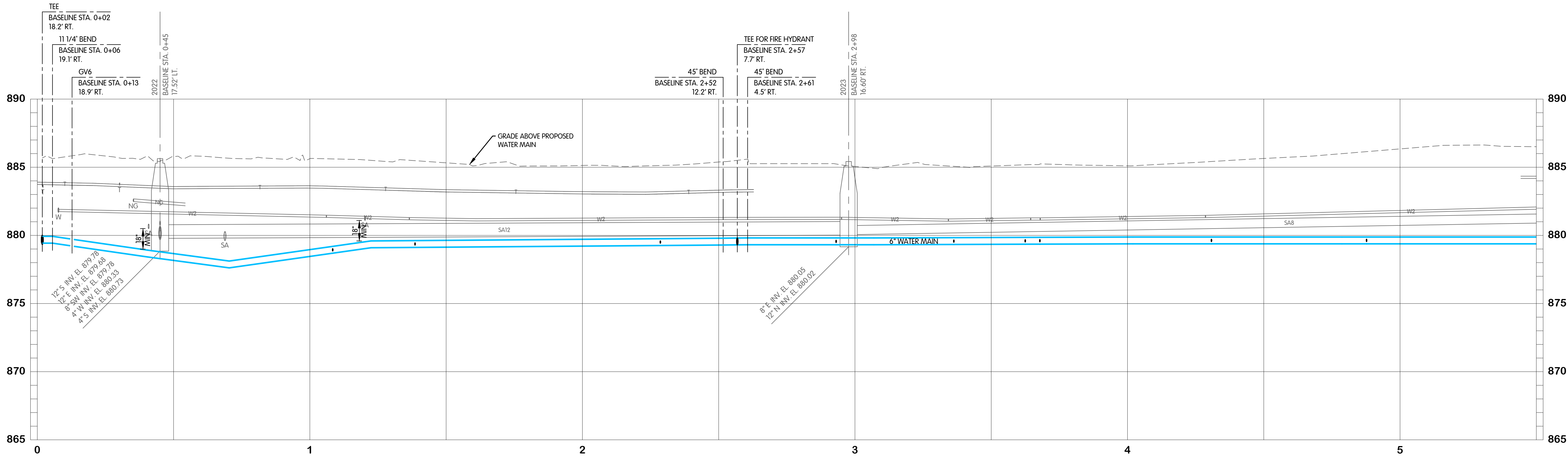
FTW-83064.00W-6.1 ROCK A BYE STA. 0+00 TO 5+50
1/28/2026 1:53 PM - ABLAISING
1/29/2026 11:45 AM



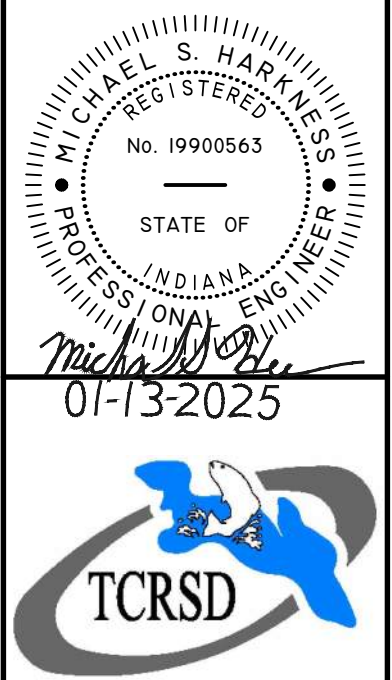
EXISTING STRUCTURE DATA		
NAME	TYPE	DATA
2022	SANITARY MANHOLE	CASTING EL. 885.63 12" S INV. EL. 879.78 12" E INV. EL. 879.68 8" SW INV. EL. 879.78 4" W INV. EL. 880.33 4" S INV. EL. 880.73
2023	SANITARY MANHOLE	CASTING EL. 885.42 8" E INV. EL. 880.05 12" N INV. EL. 880.02

ROCK-A-BYE ROAD

ROCK-A-BYE ROAD



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ROCK-A-BYE ROAD WATER PLAN AND PROFILE STA. 0+00 TO 5+50 TURKEY CREEK REGIONAL SEWER DISTRICT FASCINATION PLACE WATER MAIN IMPROVEMENTS

JPM	BY
1	02-28-2025
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3	02-28-2025
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PLOTTED TO NOTED SCALE

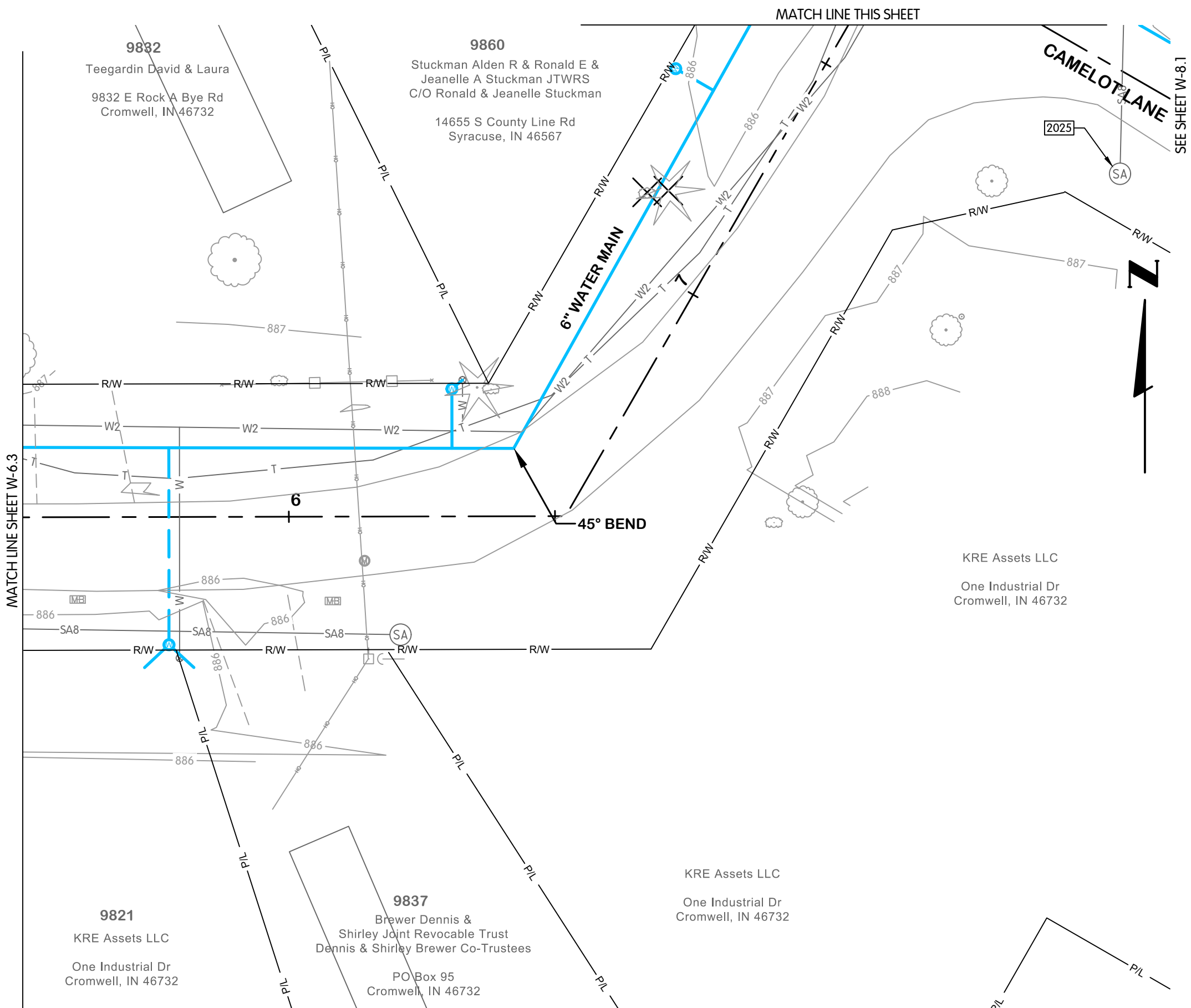
DESIGNED JPM DRAWN AJB CHECKED MSH

STATUS ISSUED FOR BIDS

DATE 2026

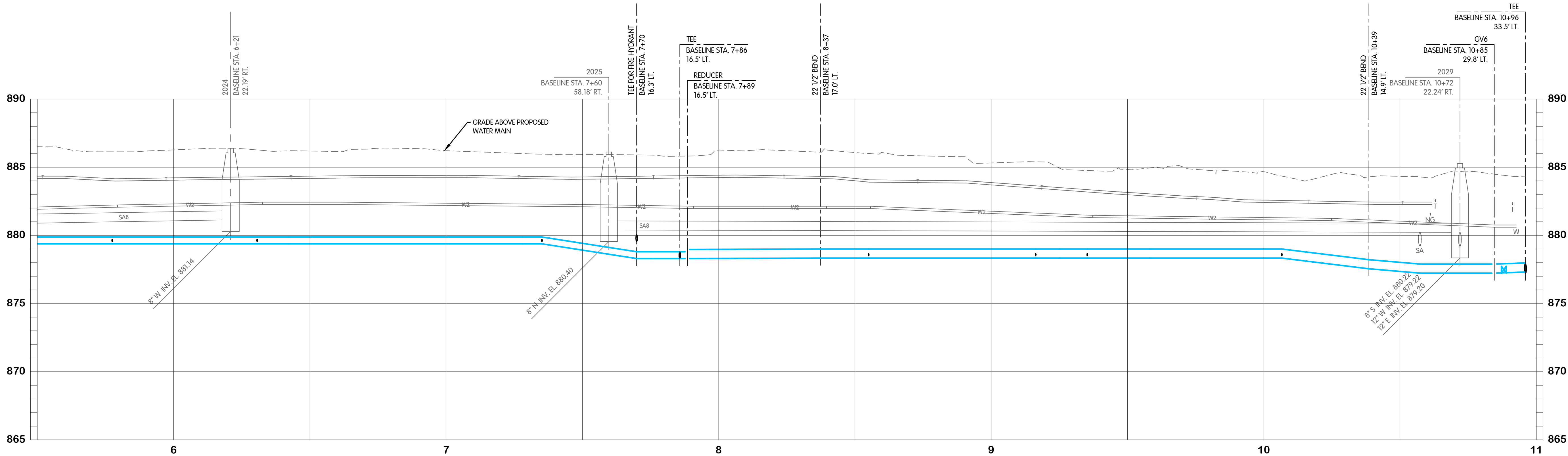
SHEET NO. W-6.1
22 OF 48

FTW-8305-00W-6-W-6.2 ROCK-A-BYE STA. 5+50 TO 11+00
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1/28/2026 11:46 AM

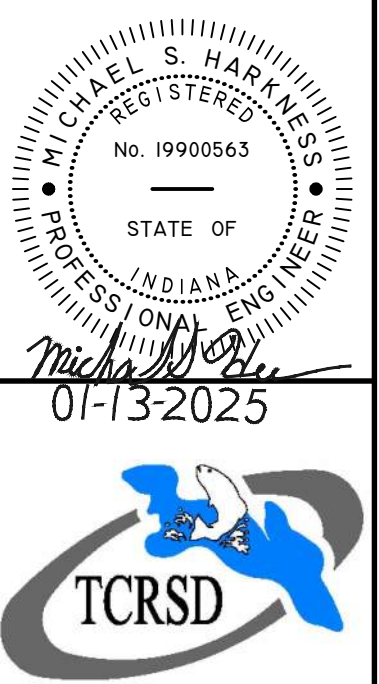


EXISTING STRUCTURE DATA		
NAME	TYPE	DATA
2024	SANITARY MANHOLE	CASTING EL. 886.39 8" N INV. EL. 881.14
2025	SANITARY MANHOLE	CASTING EL. 886.12 8" N INV. EL. 880.40
2029	SANITARY MANHOLE	CASTING EL. 885.27 8" S INV. EL. 880.22 12" W INV. EL. 879.22 12" E INV. EL. 879.20

ROCK-A-BYE ROAD



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ROCK-A-BYE ROAD WATER PLAN AND PROFILE STA. 5+50 TO 11+00 TURKEY CREEK REGIONAL SEWER DISTRICT FASCINATION PLACE WATER MAIN IMPROVEMENTS

NO.	DATE	REVISIONS AFTER ISSUED FOR BID	JPM	BY
1	01-28-2026	ADDENDUM		

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SCALE 1"=20' HOR.
1"=4' VERT.

THIS LINE SCALES IF WHEN
PLOTTED TO NOTED SCALE

DESIGNED JPM DRAWN AJB CHECKED MSH

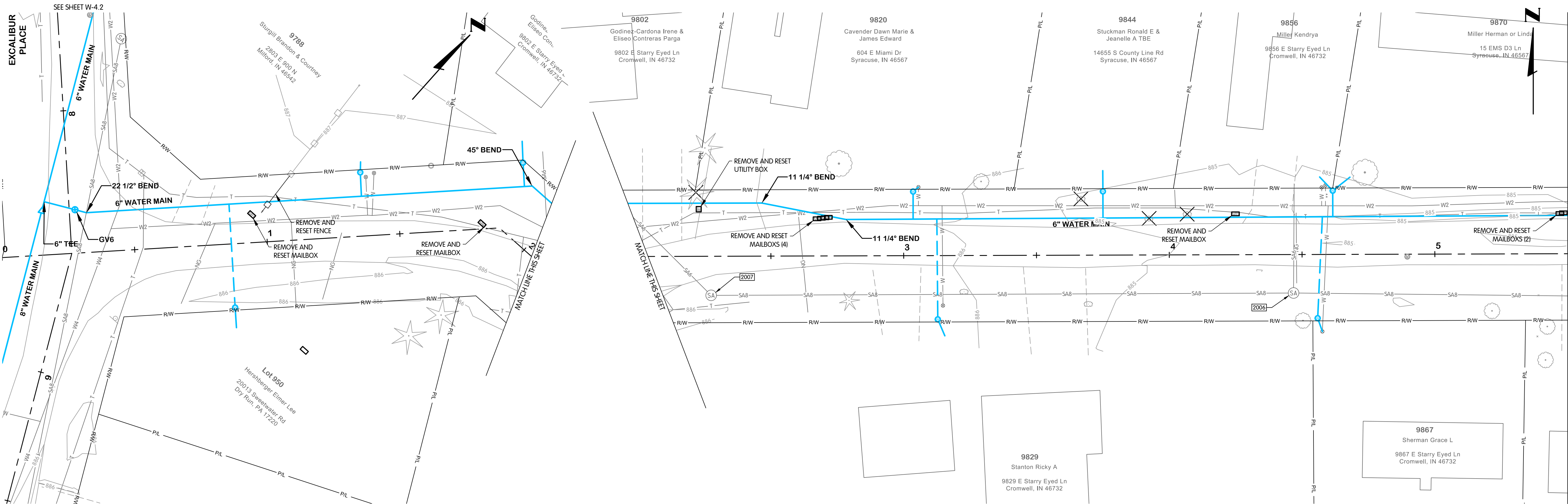
STATUS ISSUED FOR BID

DATE 2026

SHEET NO. 2

W-6.2
23 OF 48

FTW-8305-00W-W-7.1 STARRY EYED STA. 0+00 TO 5+50
1/28/2026 2:10 PM - ABLAISING
1/29/2026 11:46 AM

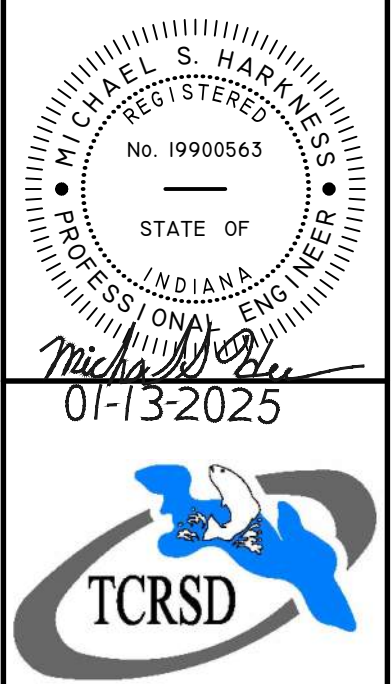
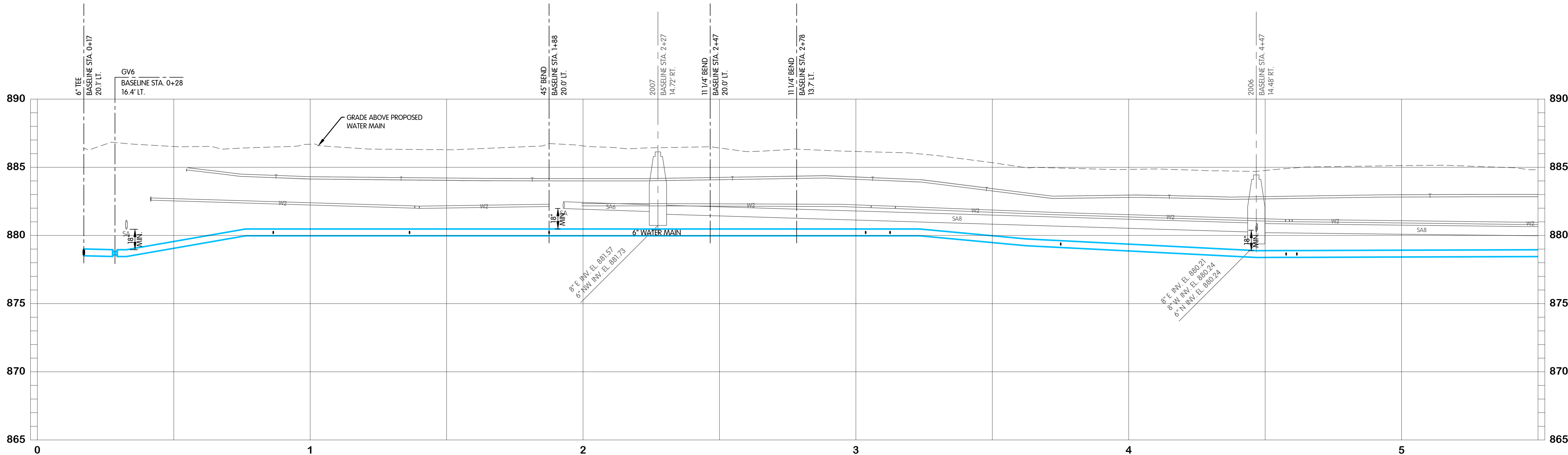


EXISTING STRUCTURE DATA		
NAME	TYPE	DATA
2006	SANITARY MANHOLE	CASTING EL. 884.44 8" W INV. EL. 880.24 8" E INV. EL. 880.21 6" N INV. EL. 880.24
2007	SANITARY MANHOLE	CASTING EL. 886.13 8" E INV. EL. 881.57 6" NW INV. EL. 881.73

EAST STARRY EYED LANE

EAST STARRY EYED LANE

- NOTES:
- CONTRACTOR SHALL TRIM TREES AND BRUSH AS NECESSARY FOR THE INSTALLATION OF THE WORK.
 - THE CONTRACTOR SHALL PROVIDE WATER SERVICE CONNECTIONS OF A DIAMETER TO MATCH THE ORIGINAL NOMINAL DIAMETER OF THE SERVICE. THE MINIMUM SERVICE DIAMETER SHALL BE 3/4". WATER SERVICE WITH NO SIZE SHOWN SHALL BE ASSUMED TO BE 3/4" DIAMETER. PROPOSED WATER SERVICES SHALL BE 1" DIAMETER UP TO THE CURB BOX, UNLESS NOTED OTHERWISE. EXISTING SERVICE SIZE IS PROVIDED IN VERTICAL TEXT WHERE KNOWN.
 - WATER SERVICES ARE SHOWN OFFSET FROM THE EXISTING WATER SERVICES FOR CLARITY AND SHALL BE INSTALLED ALONG THE SAME ALIGNMENT.
 - NOT ALL CONSTRUCTION NOTES ARE APPLICABLE TO EVERY SHEET.
 - RIGHT-OF-WAY LIMITS SHOWN ARE APPROXIMATE.
 - WATER METER PITS TO BE LOCATED OFF OF PAVEMENT AND WITHIN THE RIGHT-OF-WAY. EXACT LOCATION OF THE METER PITS TO BE COORDINATED WITH THE OWNER.
 - UTILITIES HAVE BEEN SHOWN BASED UPON BEST AVAILABLE INFORMATION FROM SURVEYS AND MAPS PROVIDED BY THE UTILITIES. CONTRACTOR SHALL FIELD VERIFY UTILITIES VIA VACUUM EXCAVATION / POTHOUSING PRIOR TO CONSTRUCTION. SUCH WORK SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION. NO CHANGES FROM PLANS SHALL BE MADE WITHOUT OWNER AND ENGINEER APPROVAL.



EAST STARRY EYED LANE WATER PLAN AND PROFILE STA. 0+00 TO 5+50 TURKEY CREEK REGIONAL SEWER DISTRICT FASCINATION PLACE WATER MAIN IMPROVEMENTS

NO.	DATE	REVISIONS AFTER ISSUED FOR BID	JPM	BY
1	01-28-2026	ADDENDUM 2		

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JOB NO. 868-8305.400

SCALE 1"=20' HOR.
1"=4' VERT.

THIS LINE SCALES IF WHEN
PLOTTED TO NOTED SCALE

DESIGNED	DRAWN	CHECKED
JPM	AJB	MSH

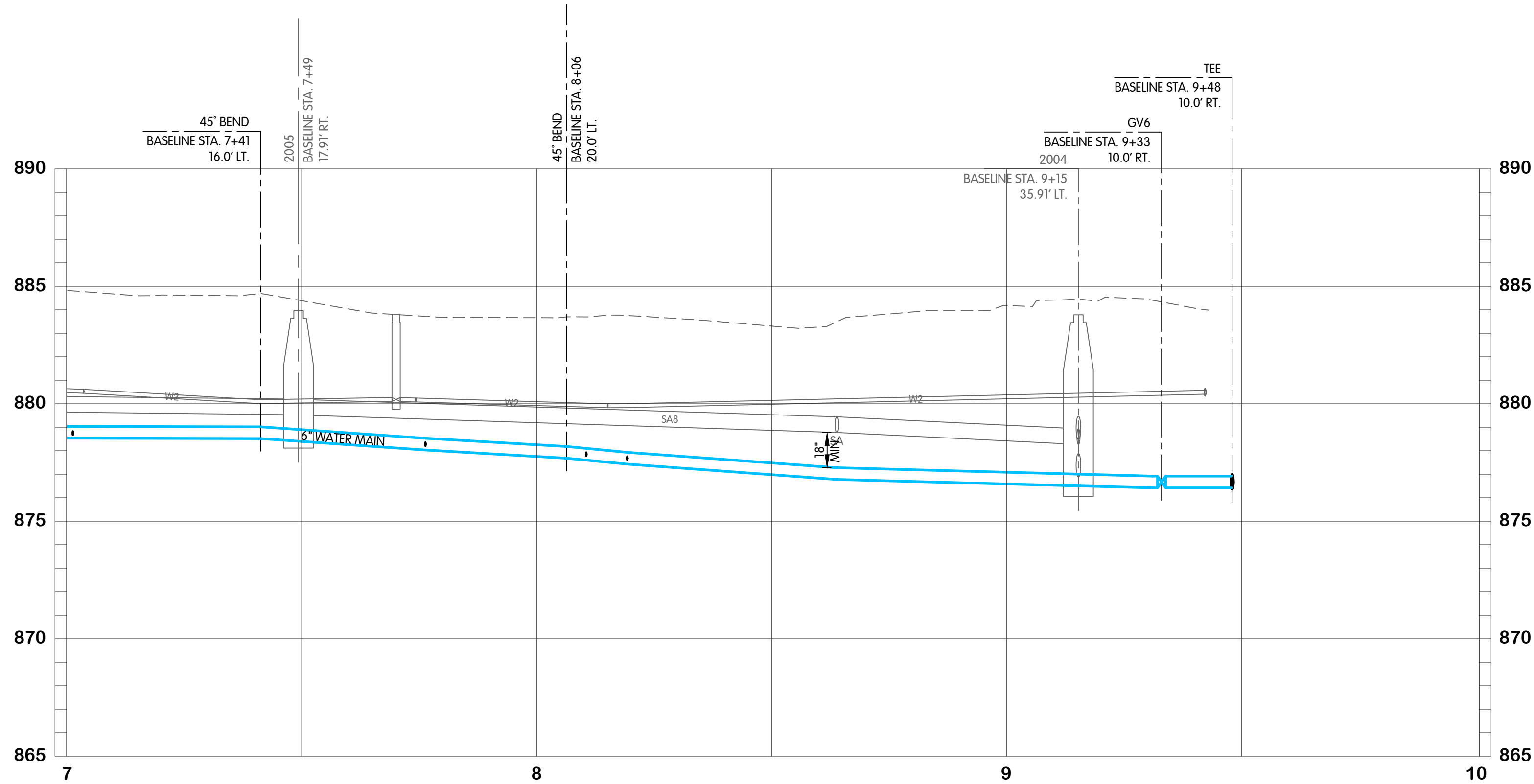
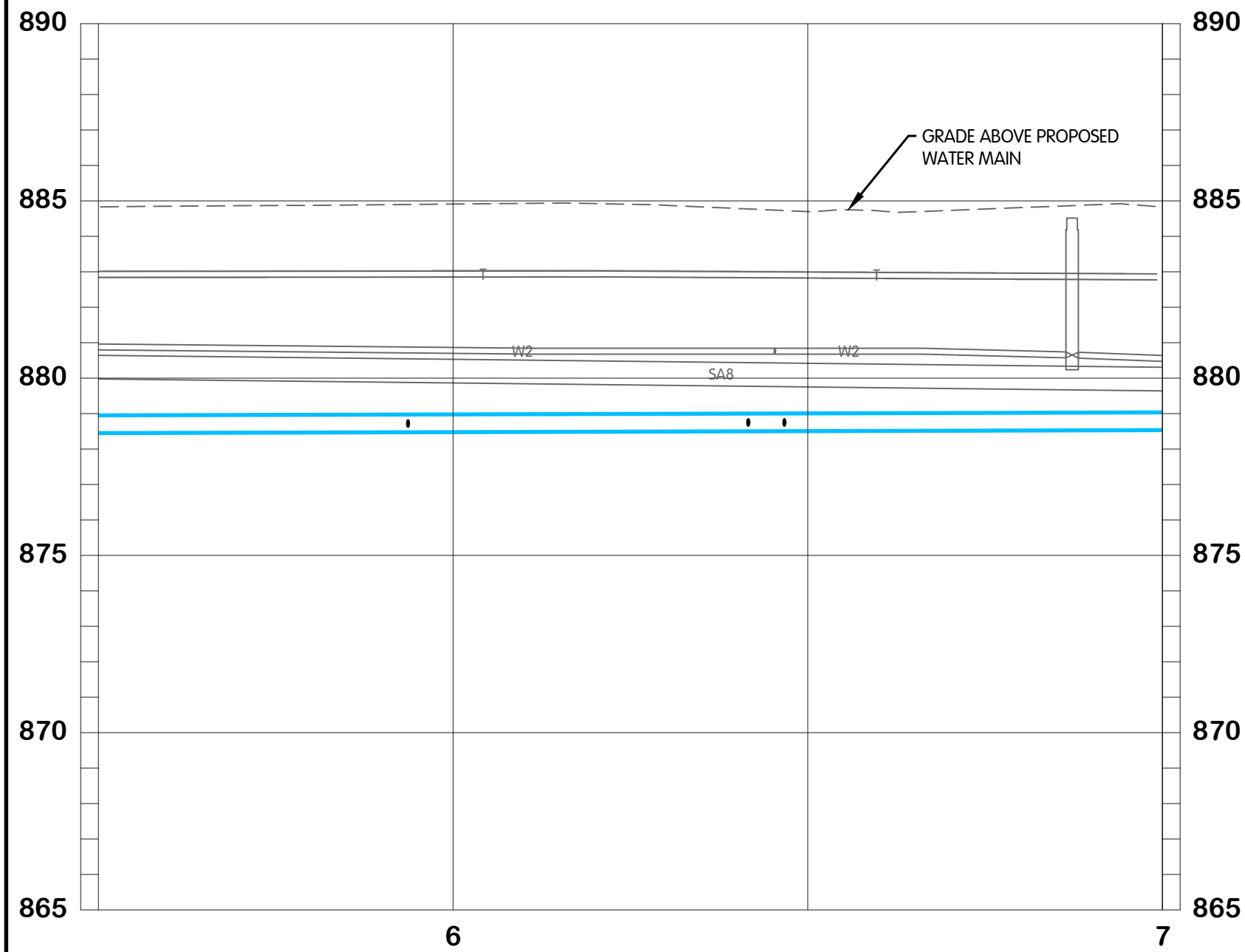
STATUS ISSUED FOR BID

DATE 2026

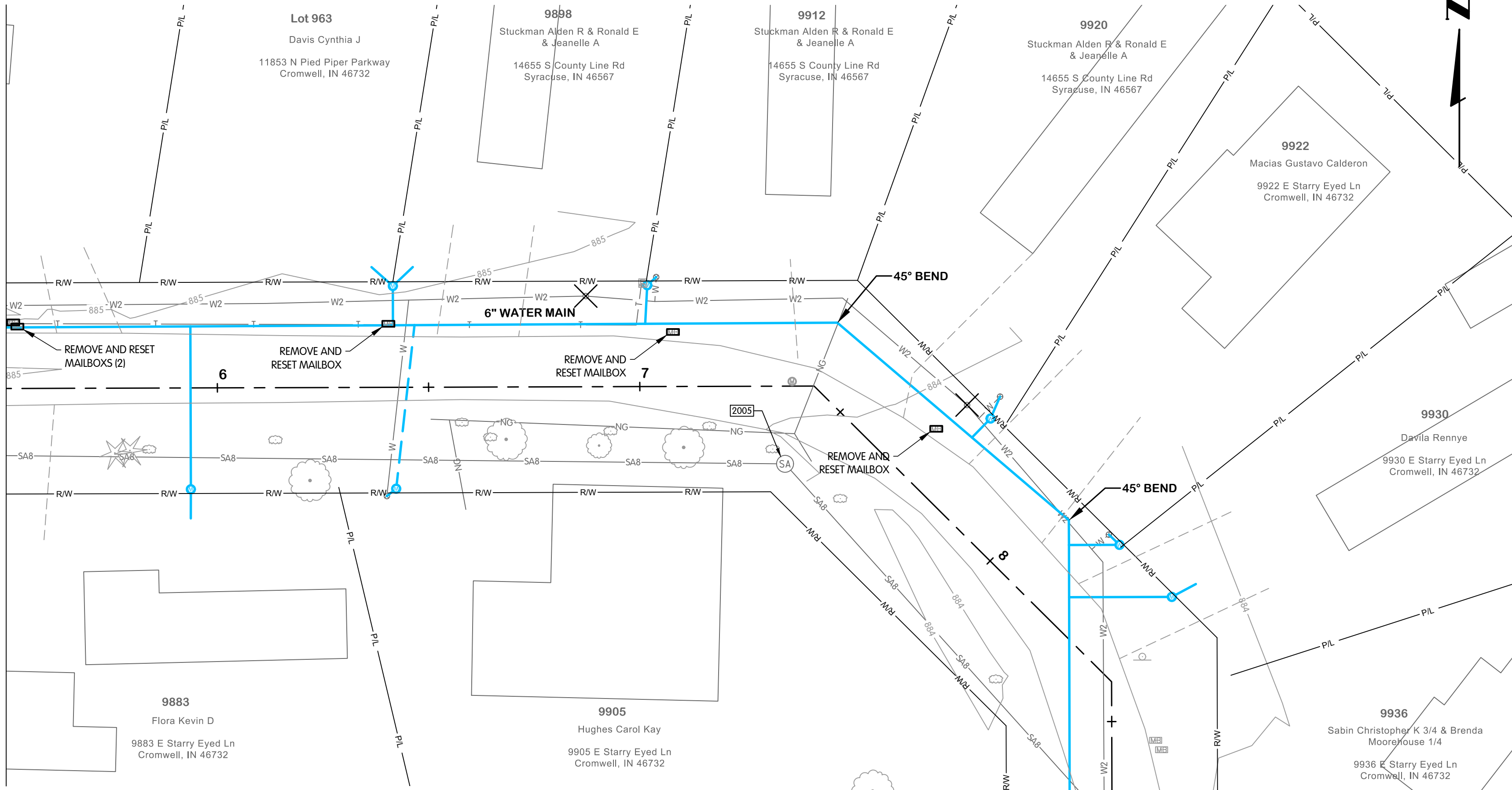
SHEET NO. 2

W-7.1
24 OF 48

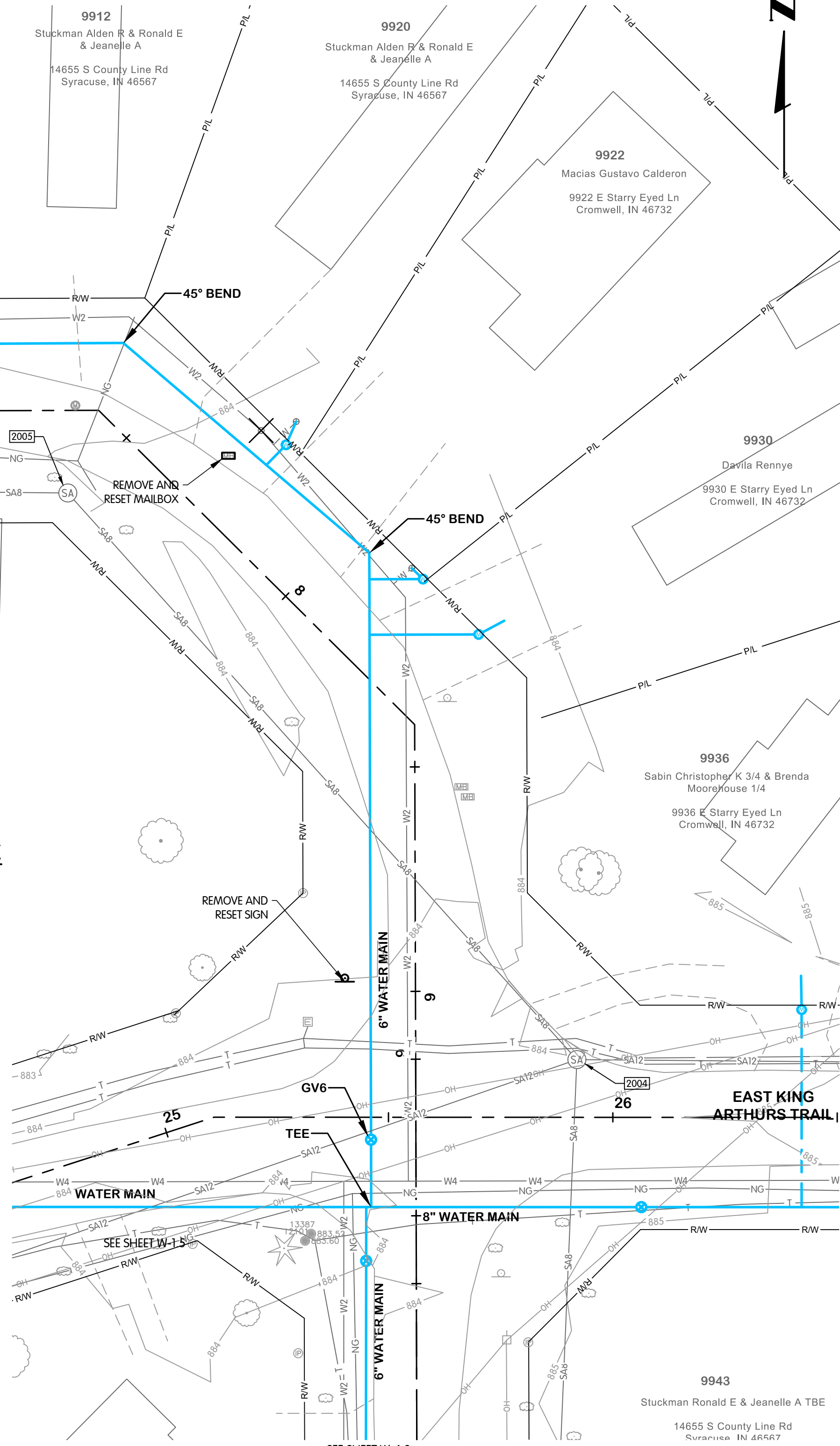
FTW-8306400W-W-7.2 STARRY EYED STA. 5+50 TO 10+00
1/28/2026 2:10 PM - ABLAISING
1/29/2025 11:47 AM



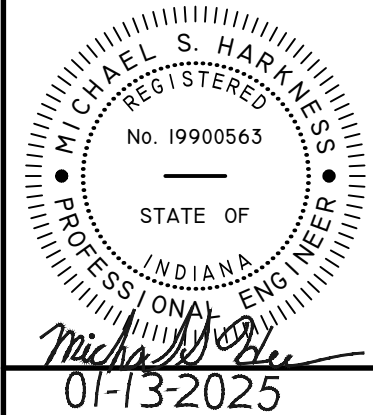
EXISTING STRUCTURE DATA		
NAME	TYPE	DATA
2004	SANITARY MANHOLE	CASTING EL. 883.79 8" NW INV. EL. 878.27 12" W INV. EL. 878.47 12" E INV. EL. 876.88 8" S INV. EL. 878.27
2005	SANITARY MANHOLE	CASTING EL. 883.97 8" W INV. EL. 879.53 8" SE INV. EL. 879.52



EAST STARRY EYED LANE



- NOTES:
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EAST STARRY EYED LANE WATER PLAN AND PROFILE STA. 5+50 TO 10+00 TURKEY CREEK REGIONAL SEWER DISTRICT FASCINATION PLACE WATER MAIN IMPROVEMENTS

JPM	BY
1	01-26-2026
2	ADENDUM 2
3	DATE
4	NO.

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SCALE 1"=20' HOR.
1"=4' VERT.

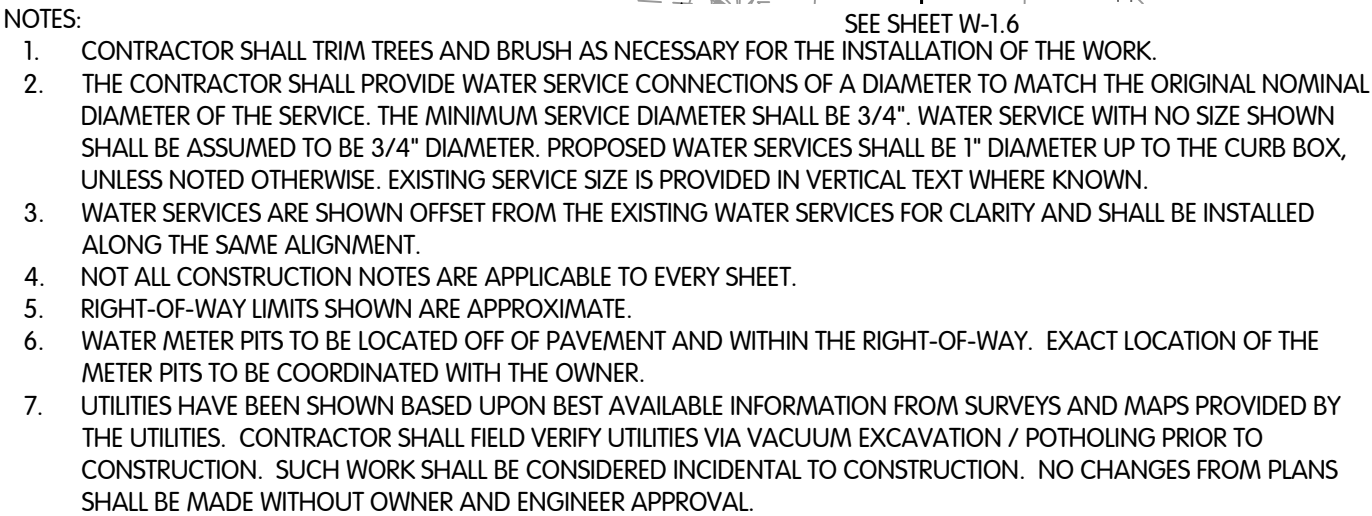
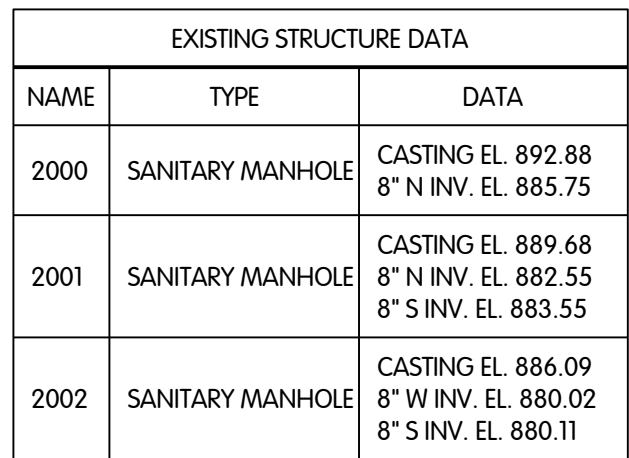
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PLOTTED TO NOTED SCALE

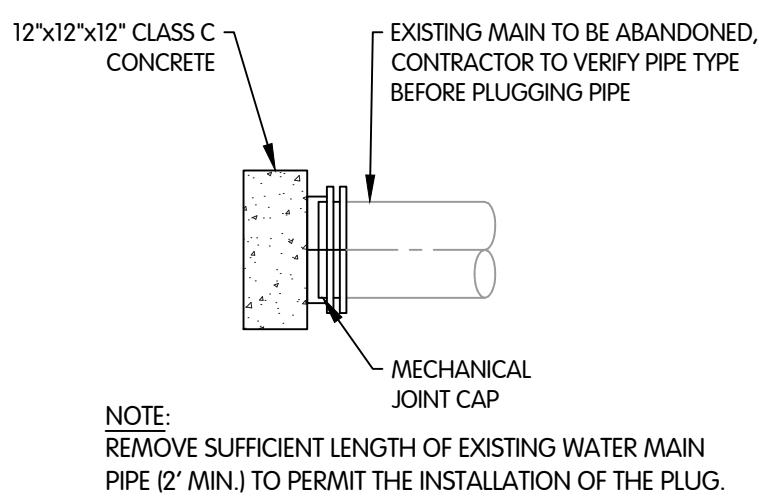
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JPM	AJB	MSH

STATUS ISSUED FOR BIDS

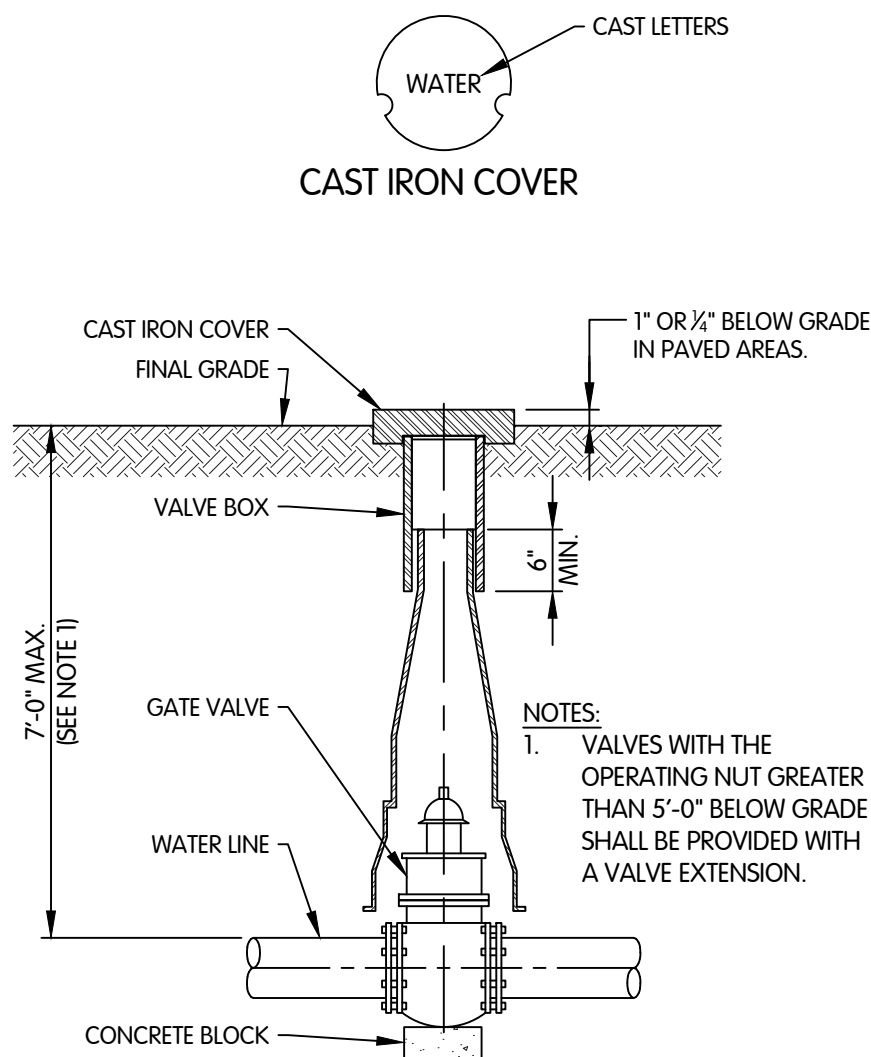
DATE 2026

SHEET NO. W-7.2
25 OF 48

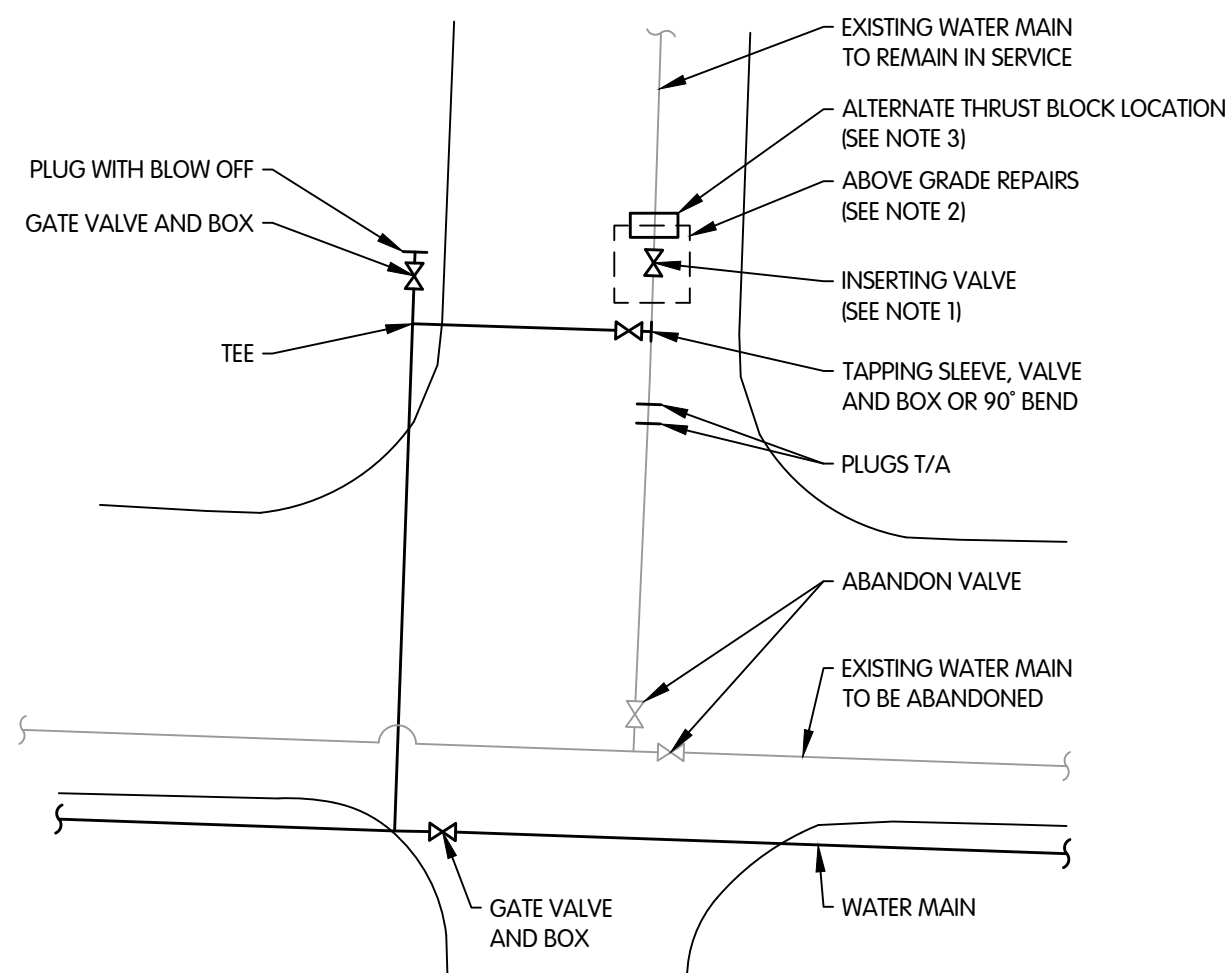




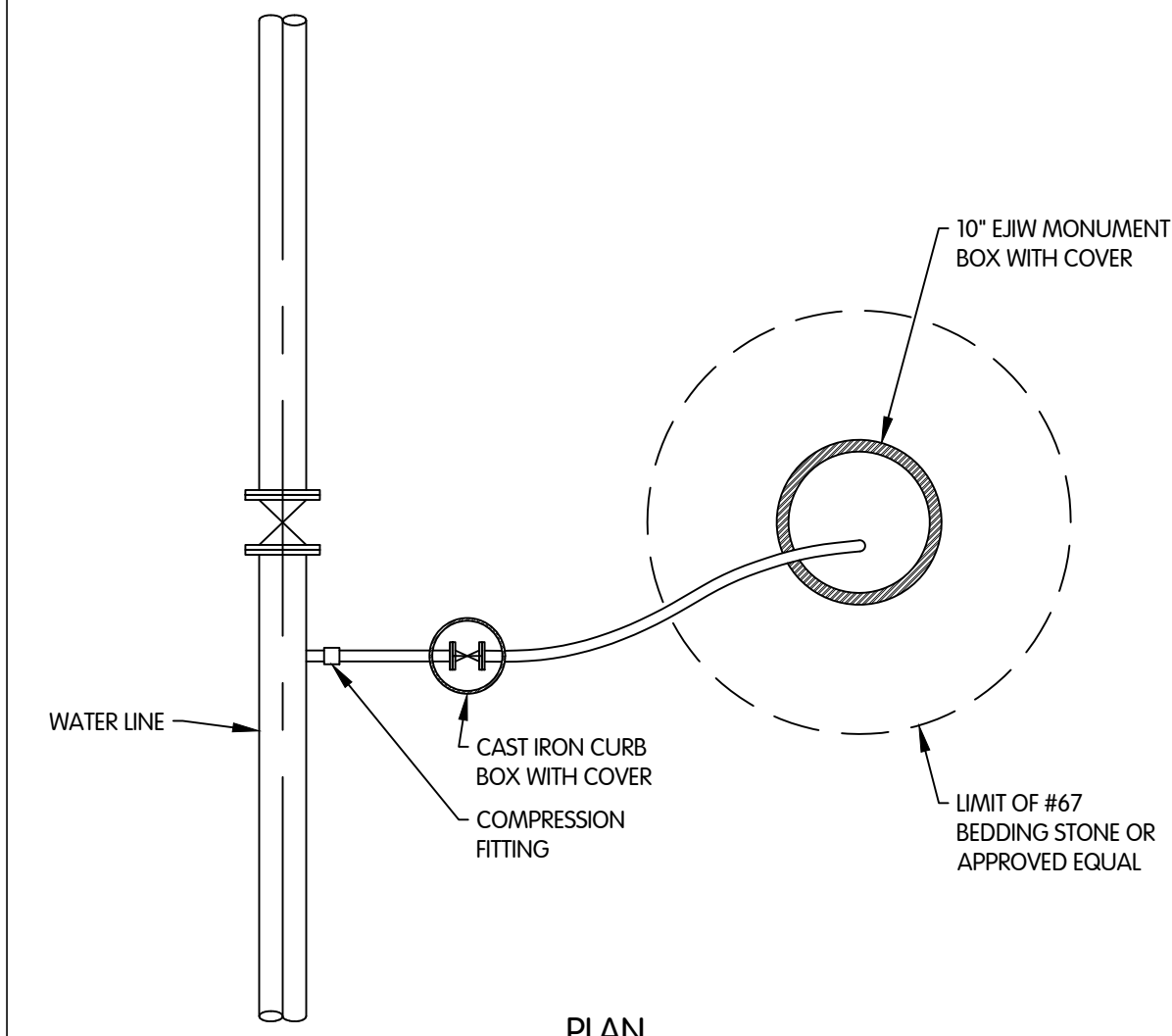
WATER MAIN PLUG DETAIL
NTS



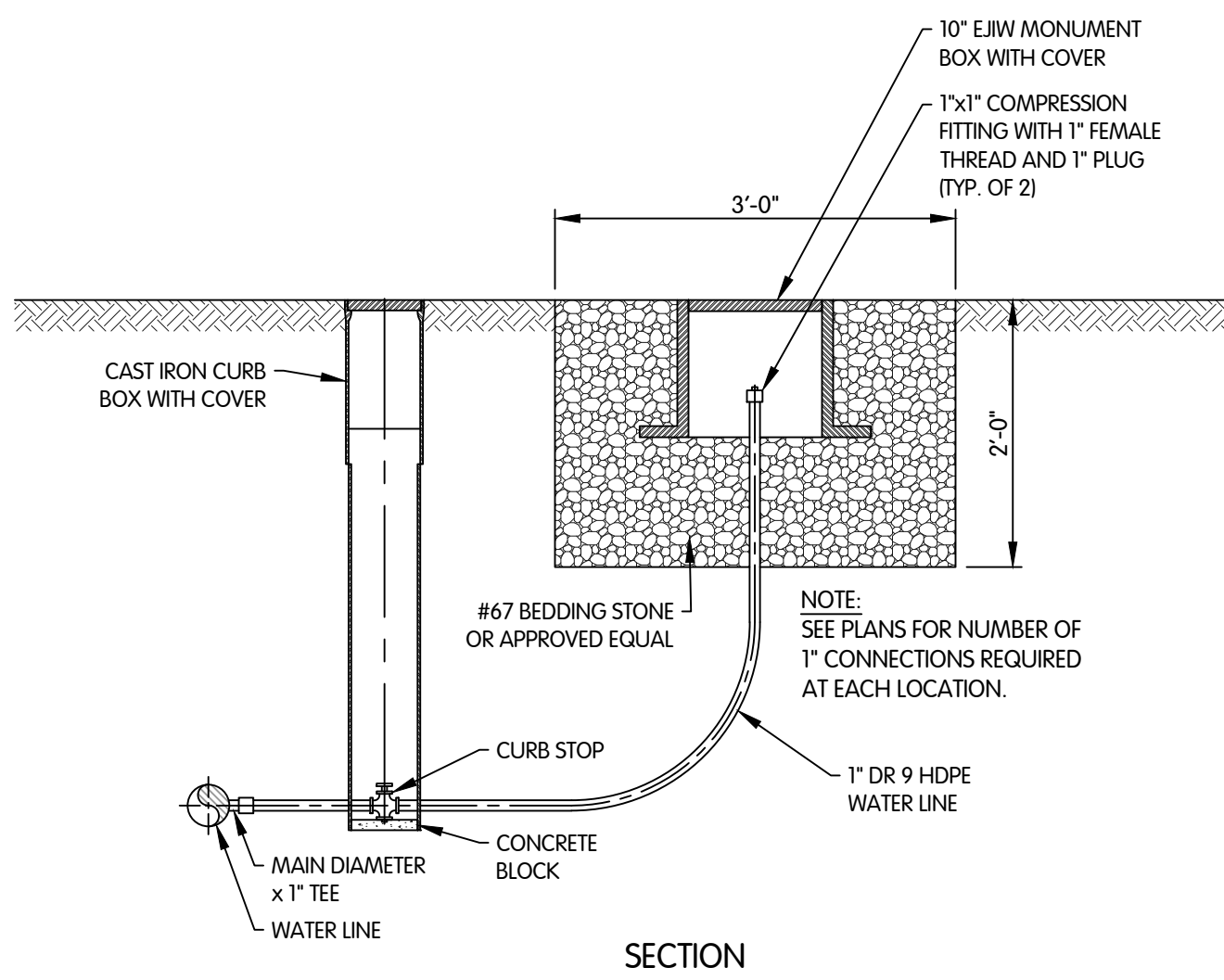
GATE VALVE DETAIL FOR 12" AND SMALLER WATER MAINS
NTS



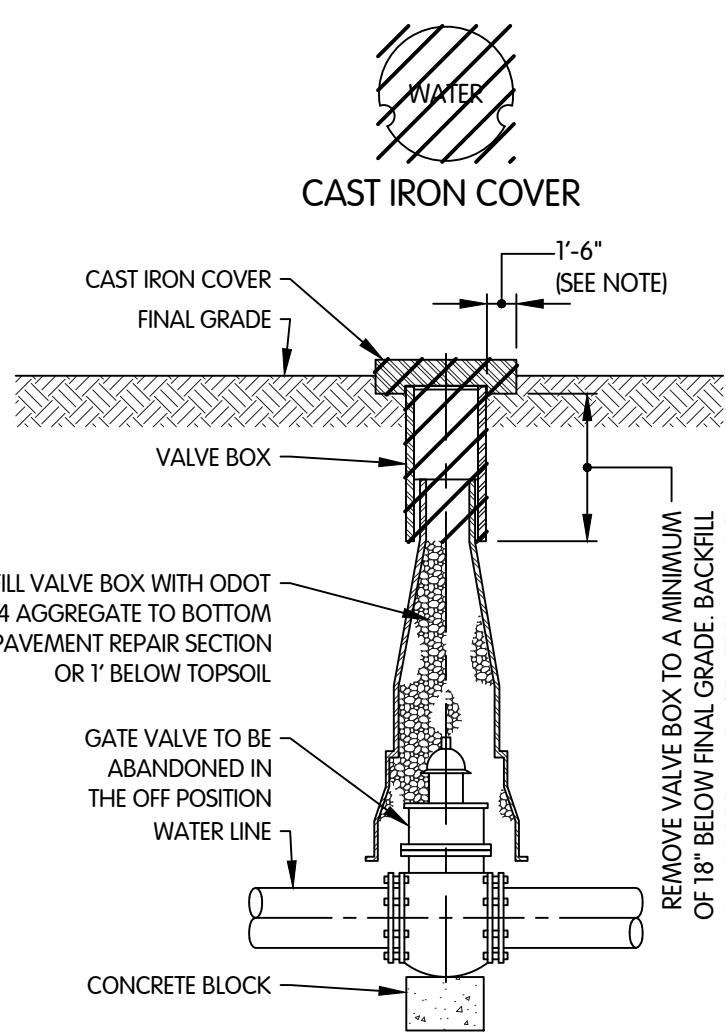
TYPICAL INSERTING VALVE INSTALLATION
NTS



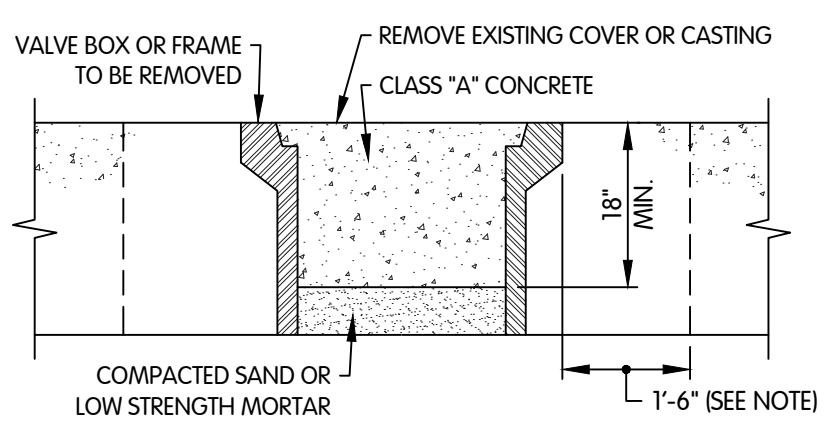
WATER BLOW-OFF ASSEMBLY
NTS



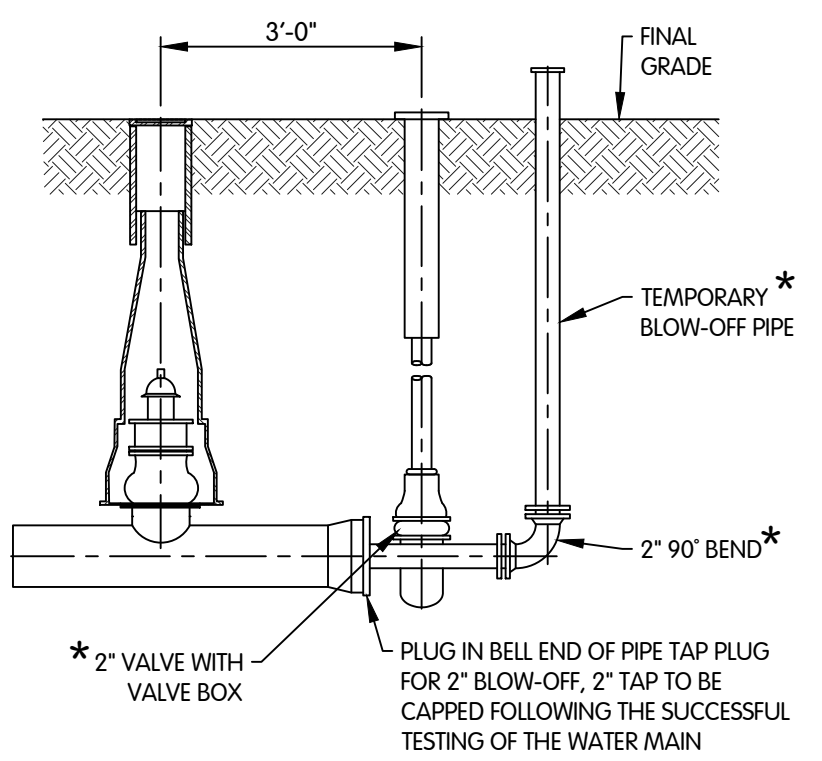
VALVE MANHOLE ABANDONMENT DETAIL
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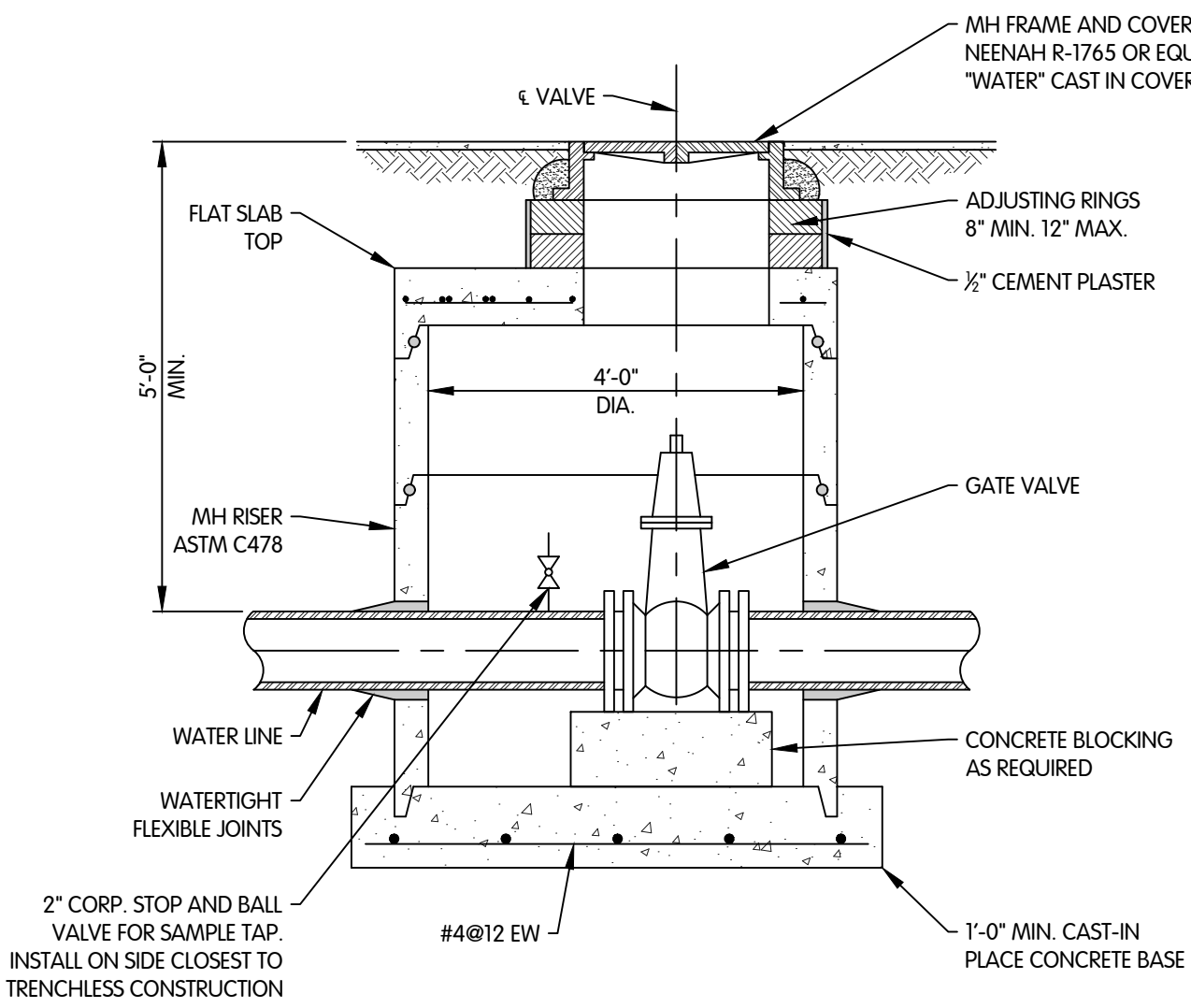
VALVE ABANDONMENT DETAIL
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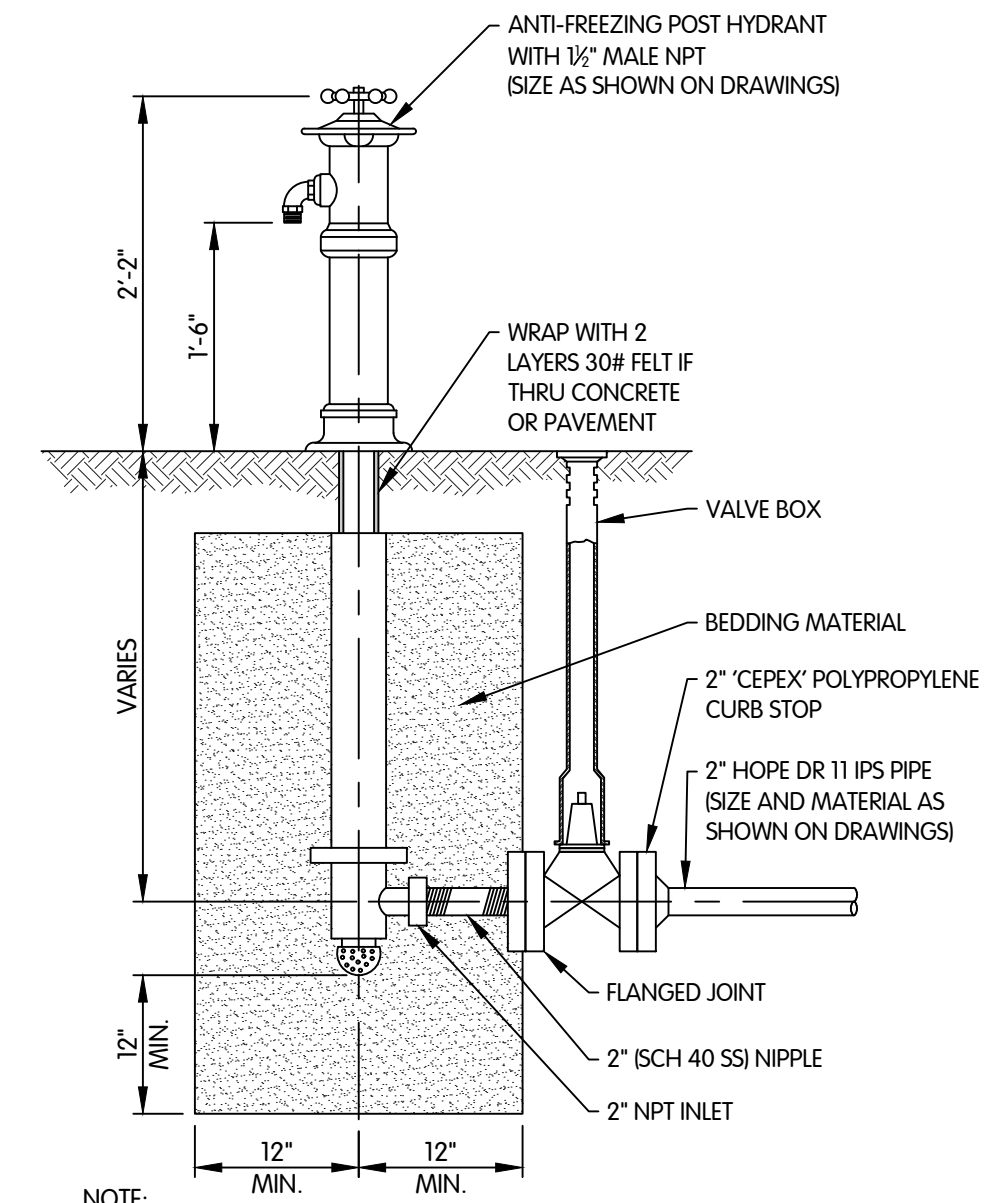
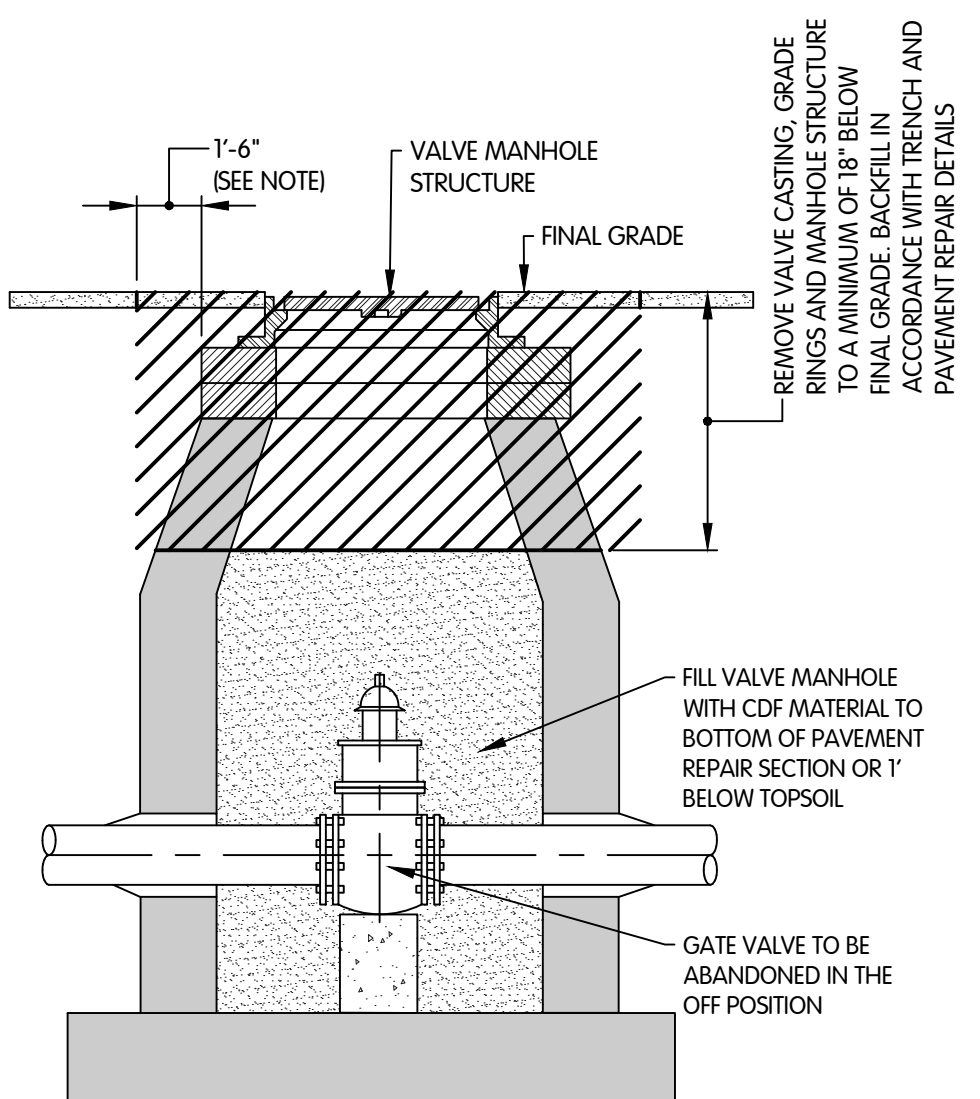
ABANDONMENT DETAIL FOR WATER VALVE BOX AND MANHOLES IN PAVED AREA
NTS



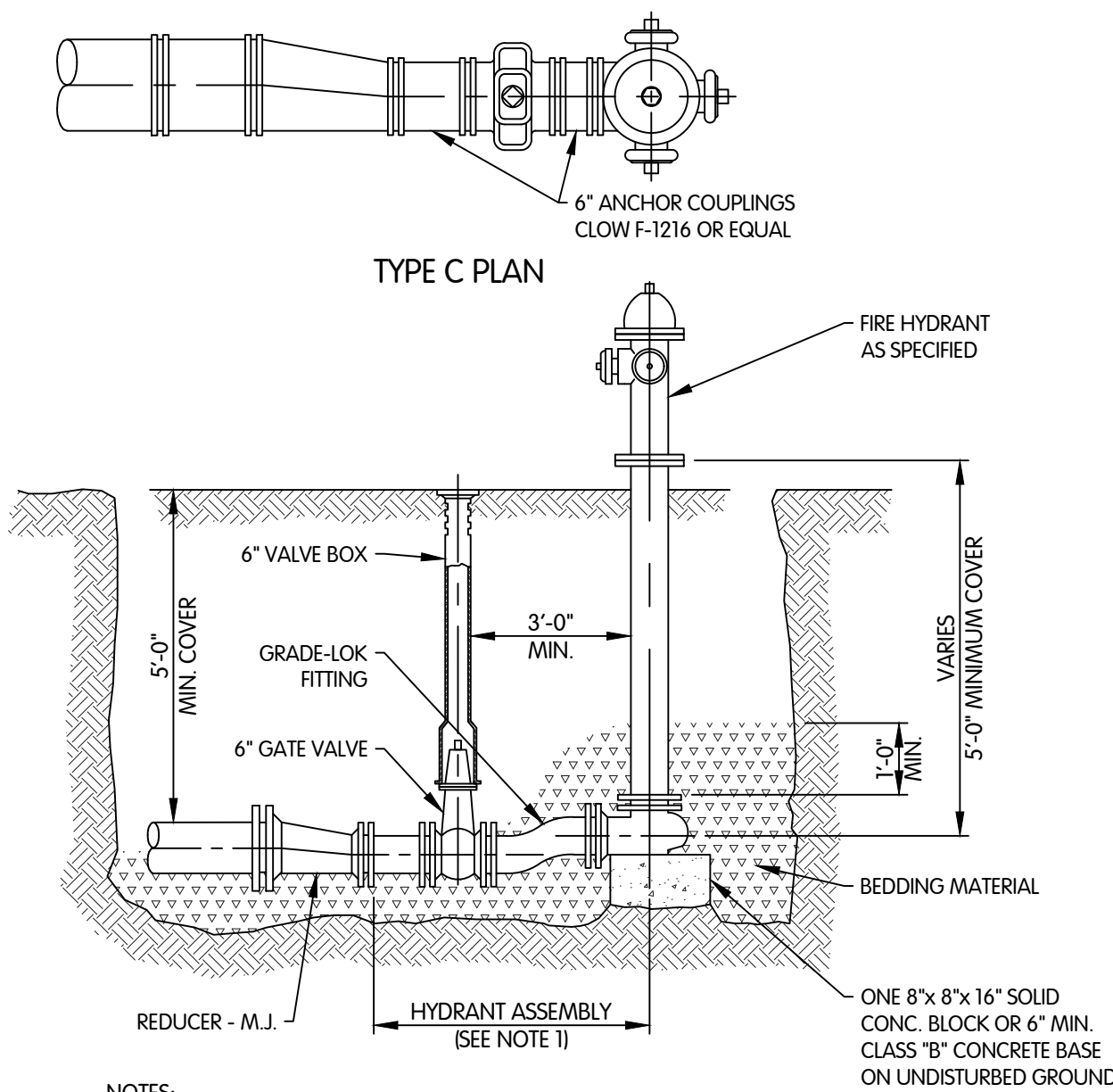
STANDARD DETAIL FOR WATER MAIN PLUG WITH 2" BLOW-OFF
NTS



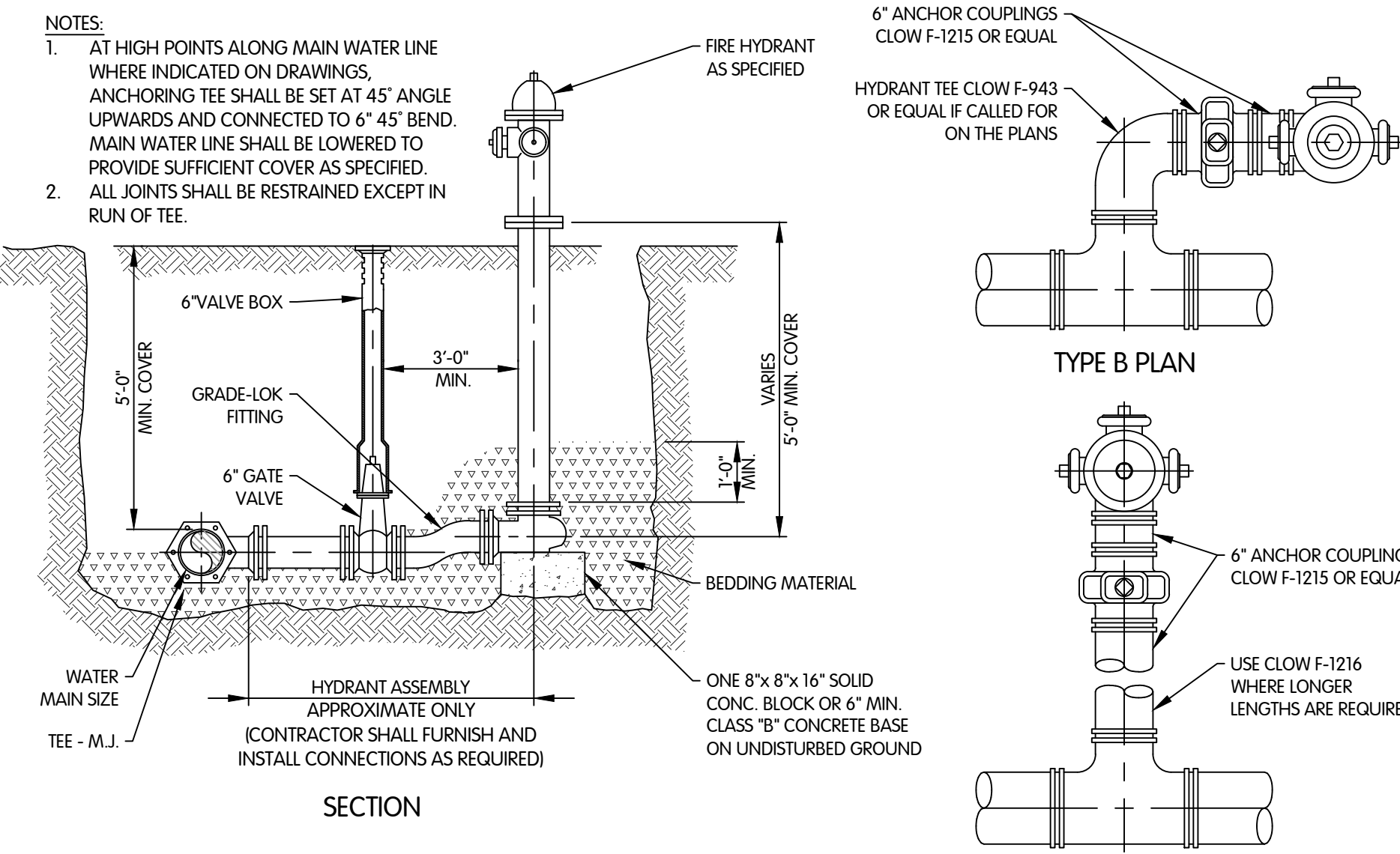
WATER VALVE MANHOLE
NTS



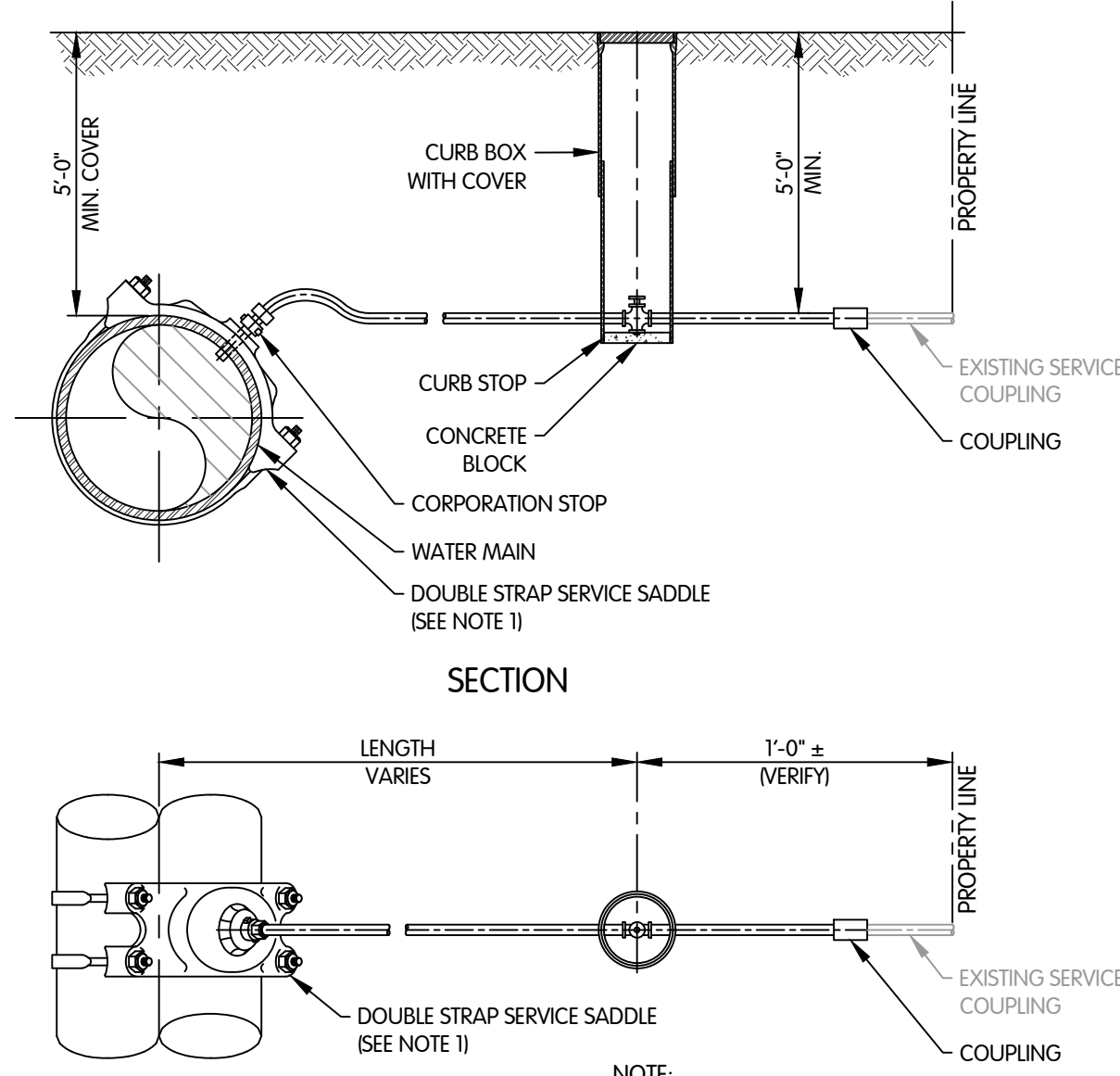
POST HYDRANT DETAIL
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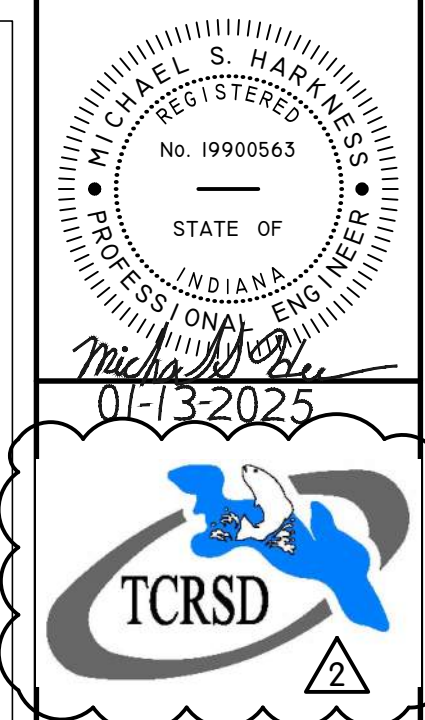
FIRE HYDRANT ASSEMBLY
NTS



FIRE HYDRANT ASSEMBLY
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WATER SERVICE DETAIL
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CIVIL
WATER - MANHOLE, FIRE HYDRANT,
WATER SERVICE, VALVE AND BLOWOFF DETAILS
STANDARDS
TURKEY CREEK REGIONAL SEWER DISTRICT
FASCINATION PLACE WATER MAIN IMPROVEMENTS

JPM	BY
1	01-28-2026
2	ADENDUM 2
3	DATE
4	NO.
5	REVISING AFTER ISSUED FOR BID

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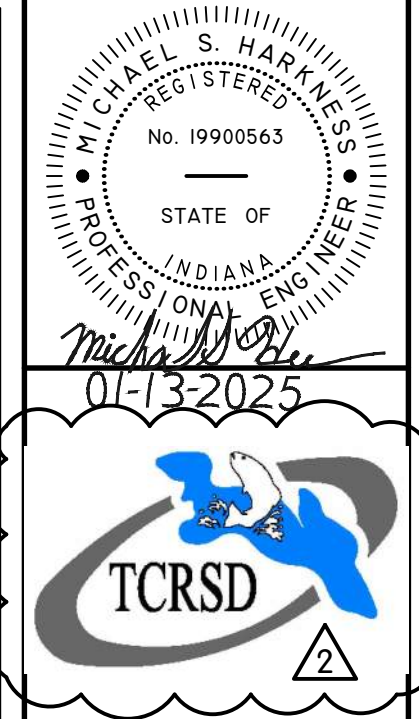
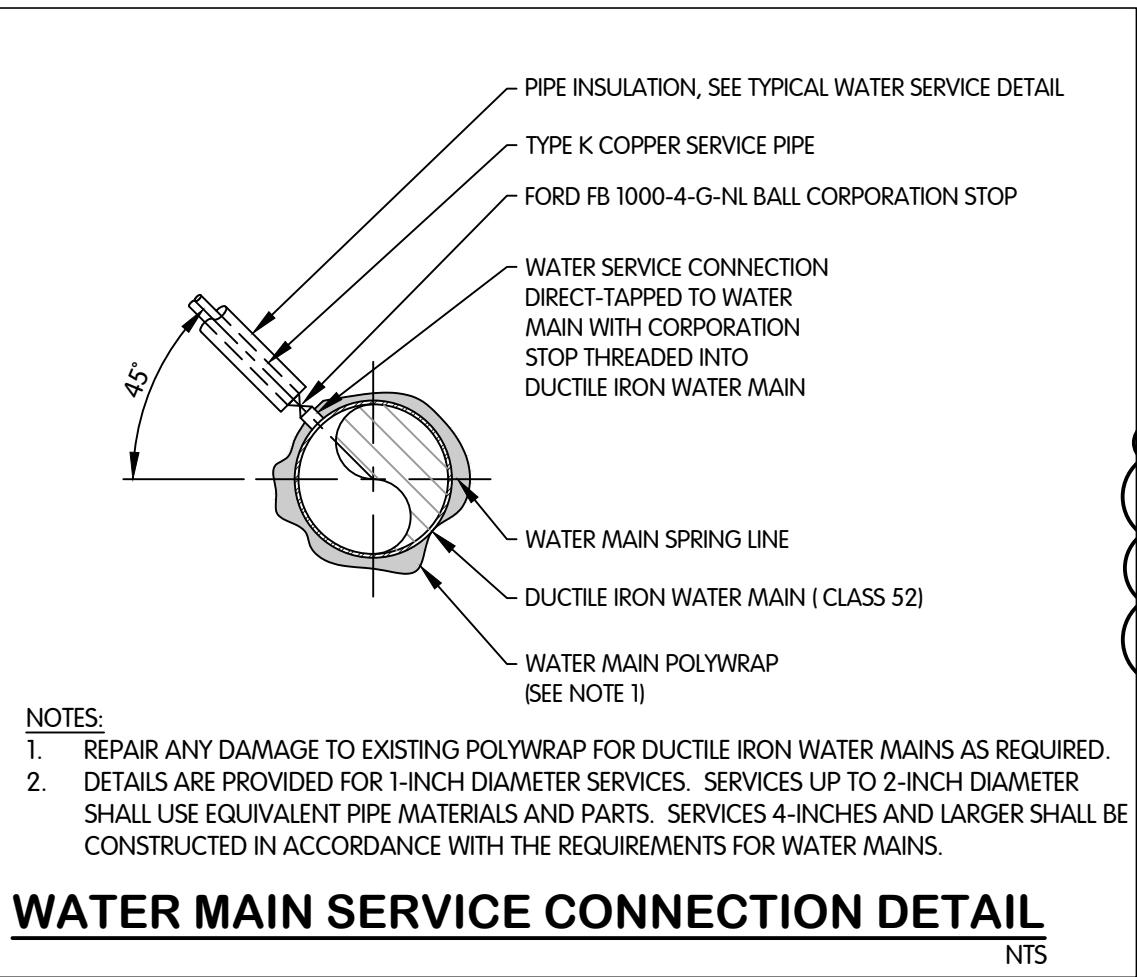
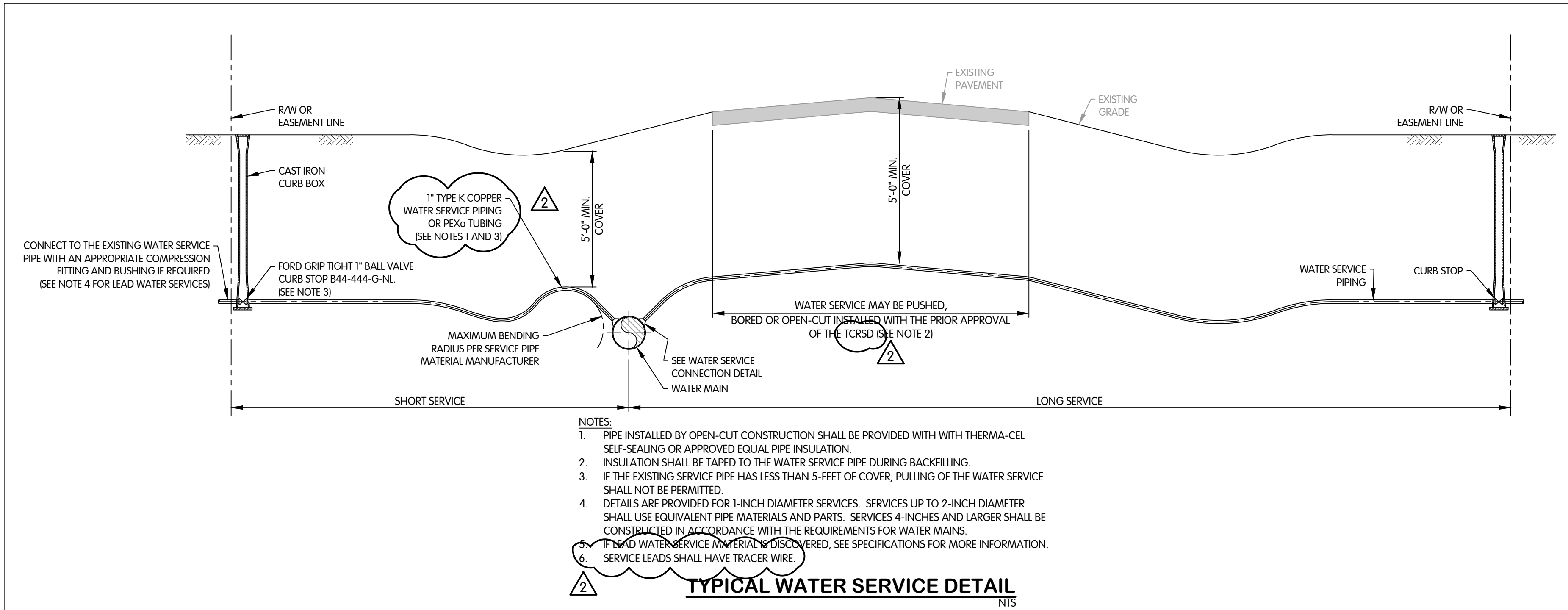
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JOB NO. 868-8305.400

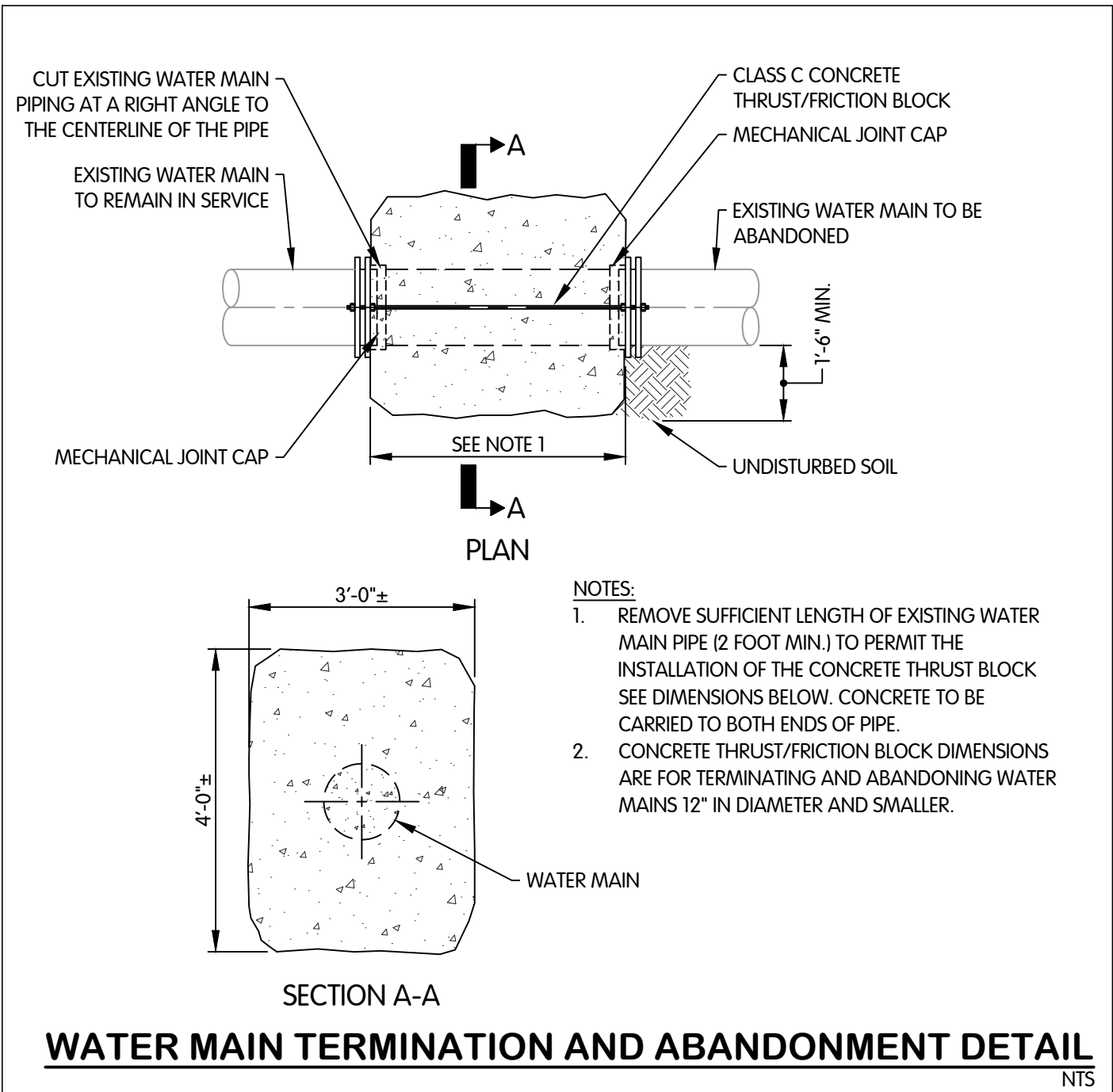
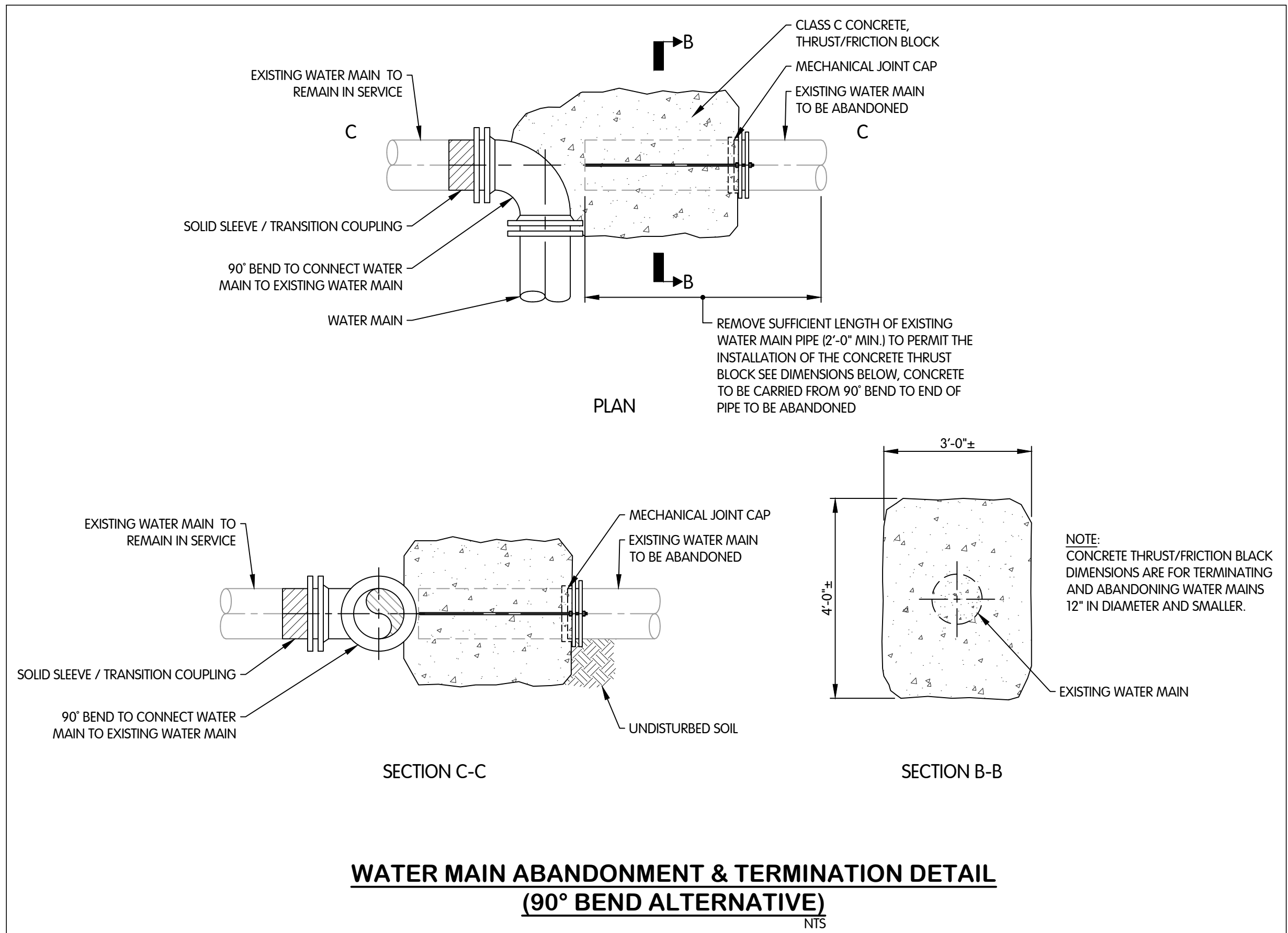
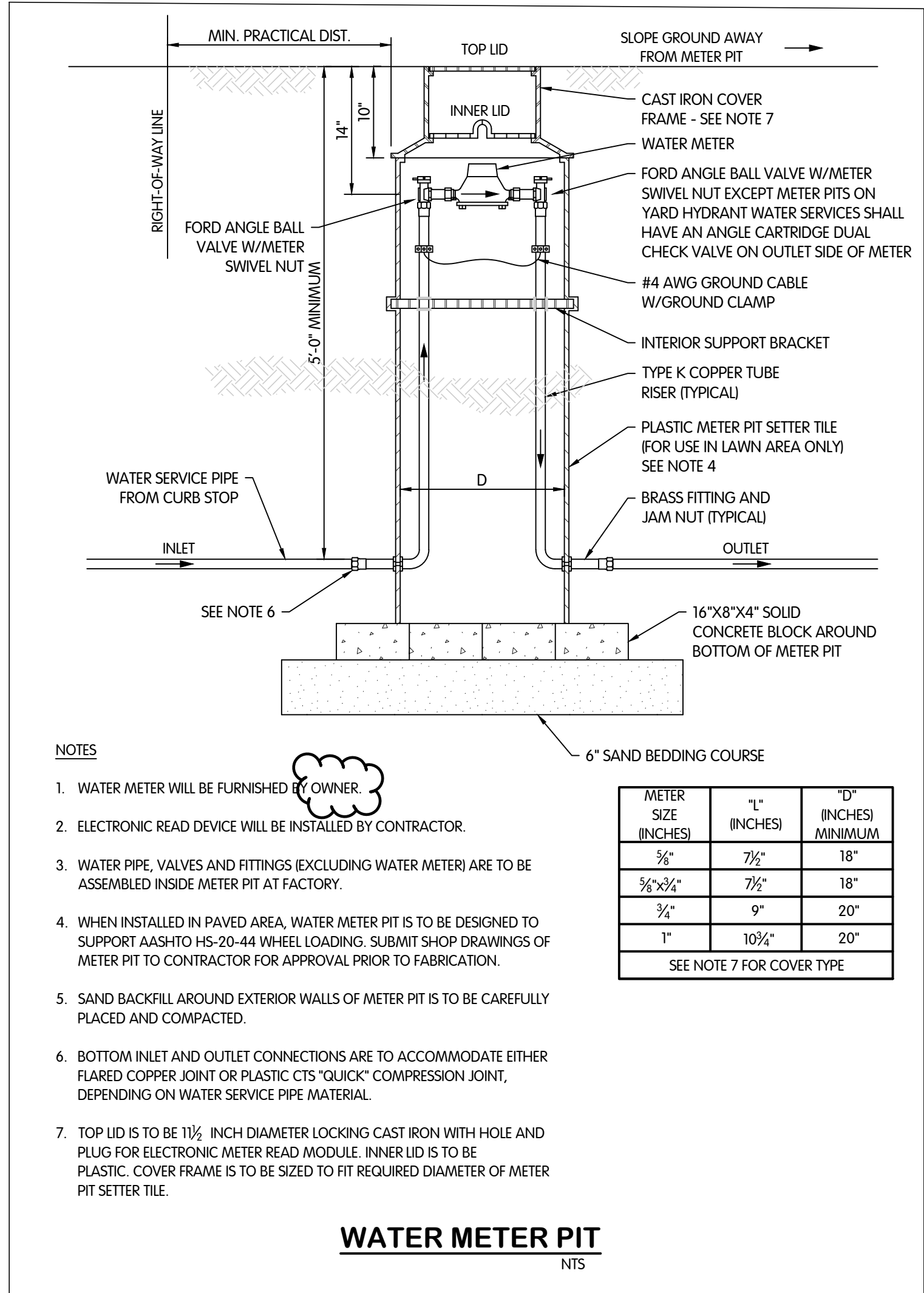
SCALE AS INDICATED

THIS LINE SCALES 1" WHEN PLOTTED TO NOTED SCALE

DESIGNED	JPM	DRAWN	AJB	CHECKED	MSH
STATUS	ISSUED FOR BIDS				
DATE	2026				
SHEET NO.	W-0.1				
29 OF 48					



CIVIL
WATER
SERVICE AND ABANDONMENT DETAILS
STANDARDS
TURKEY CREEK REGIONAL SEWER DISTRICT
FASCINATION PLACE WATER MAIN IMPROVEMENTS



NO.		DATE	REVISIONS AFTER ISSUED FOR BID	BY	JPM
1	01-28-2026	ADDENDUM 2			

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SCALE AS INDICATED

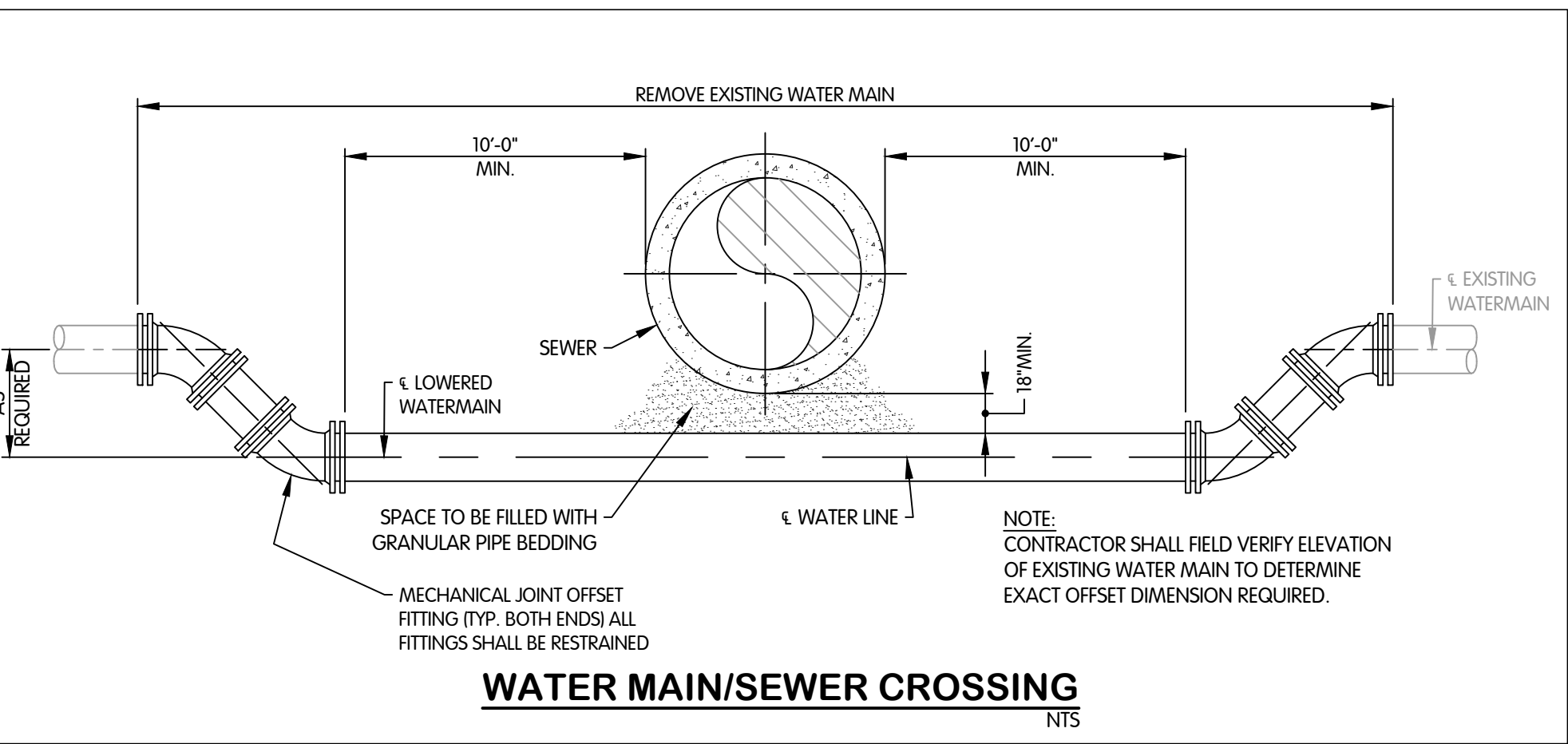
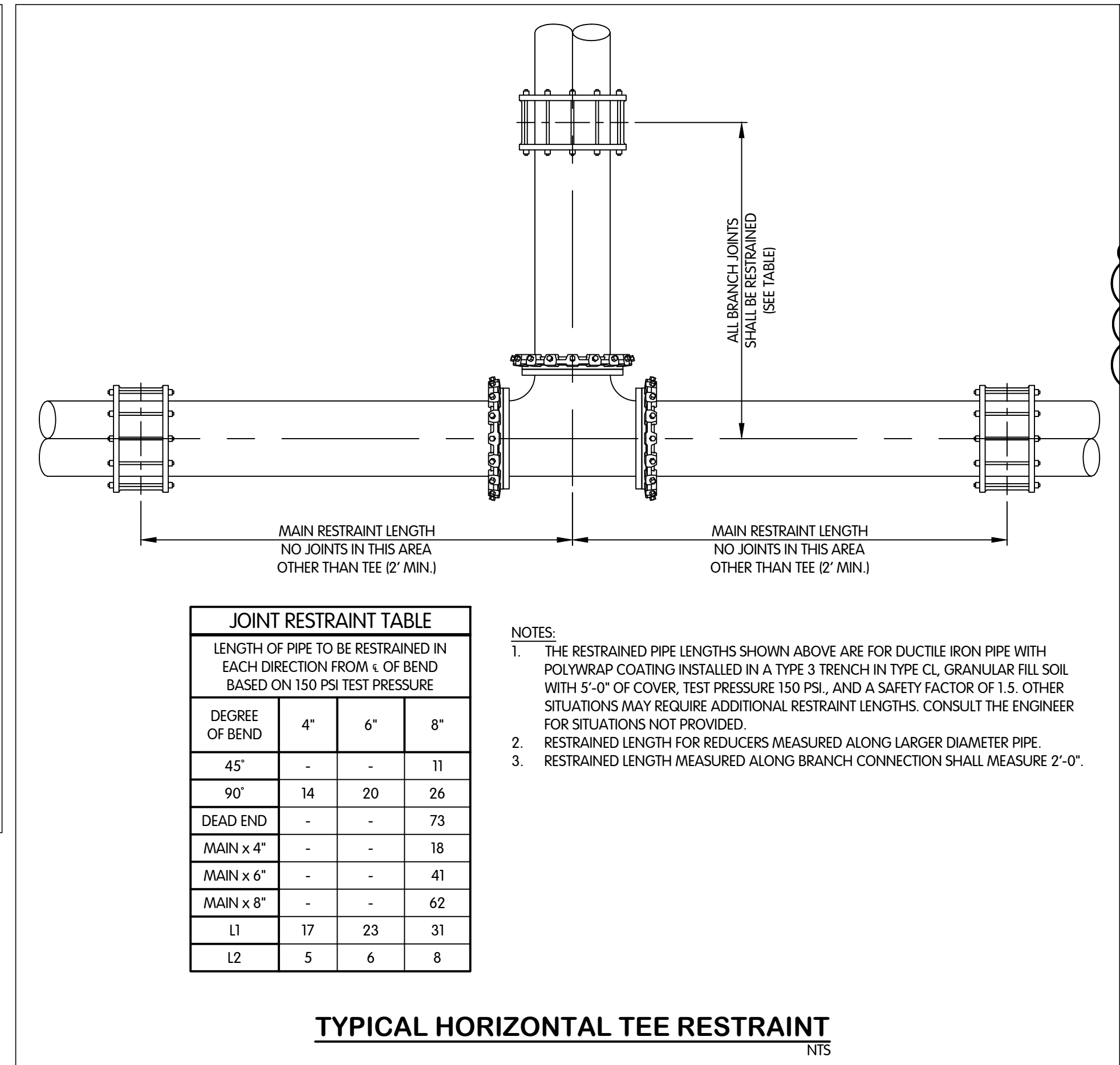
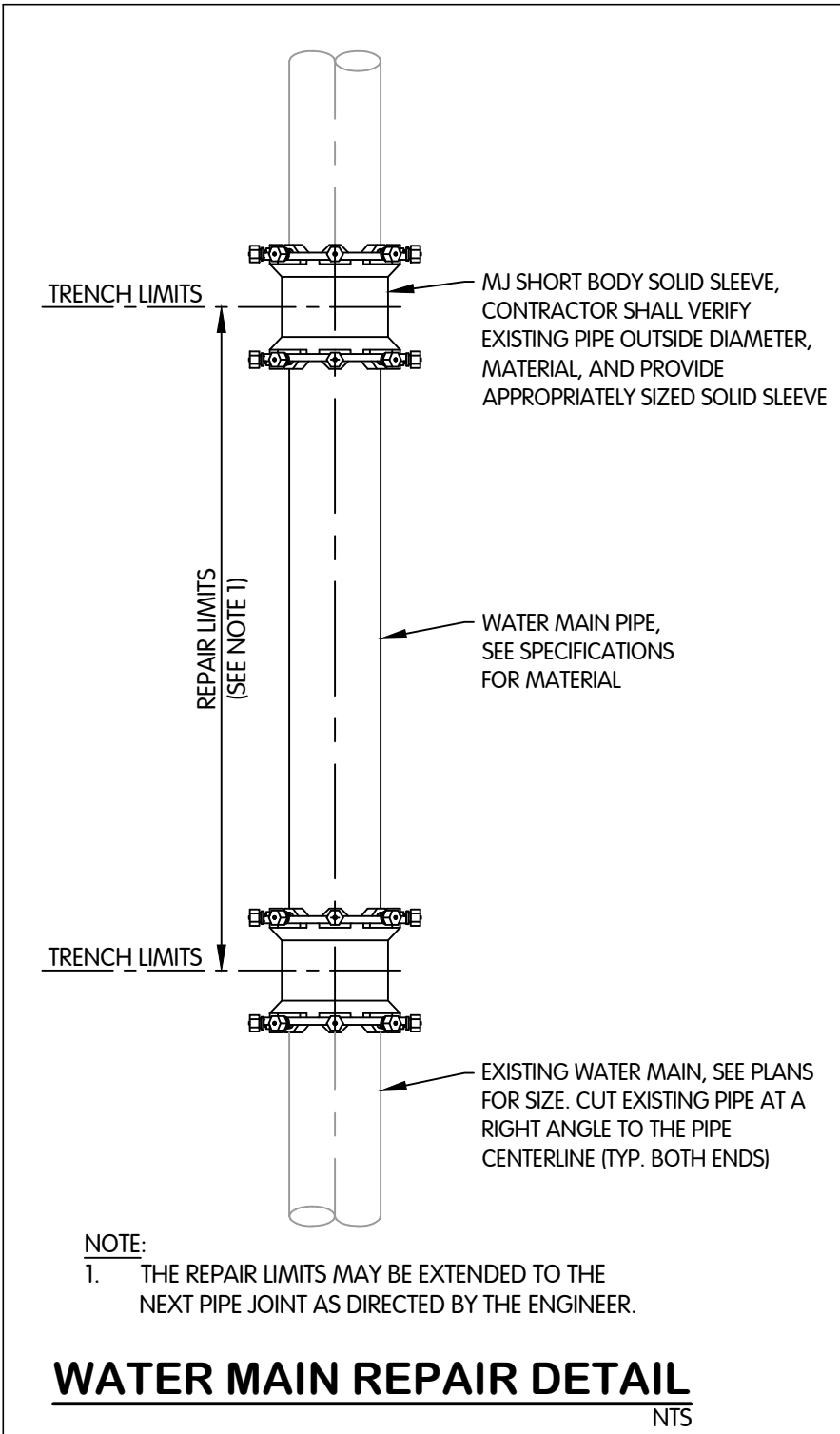
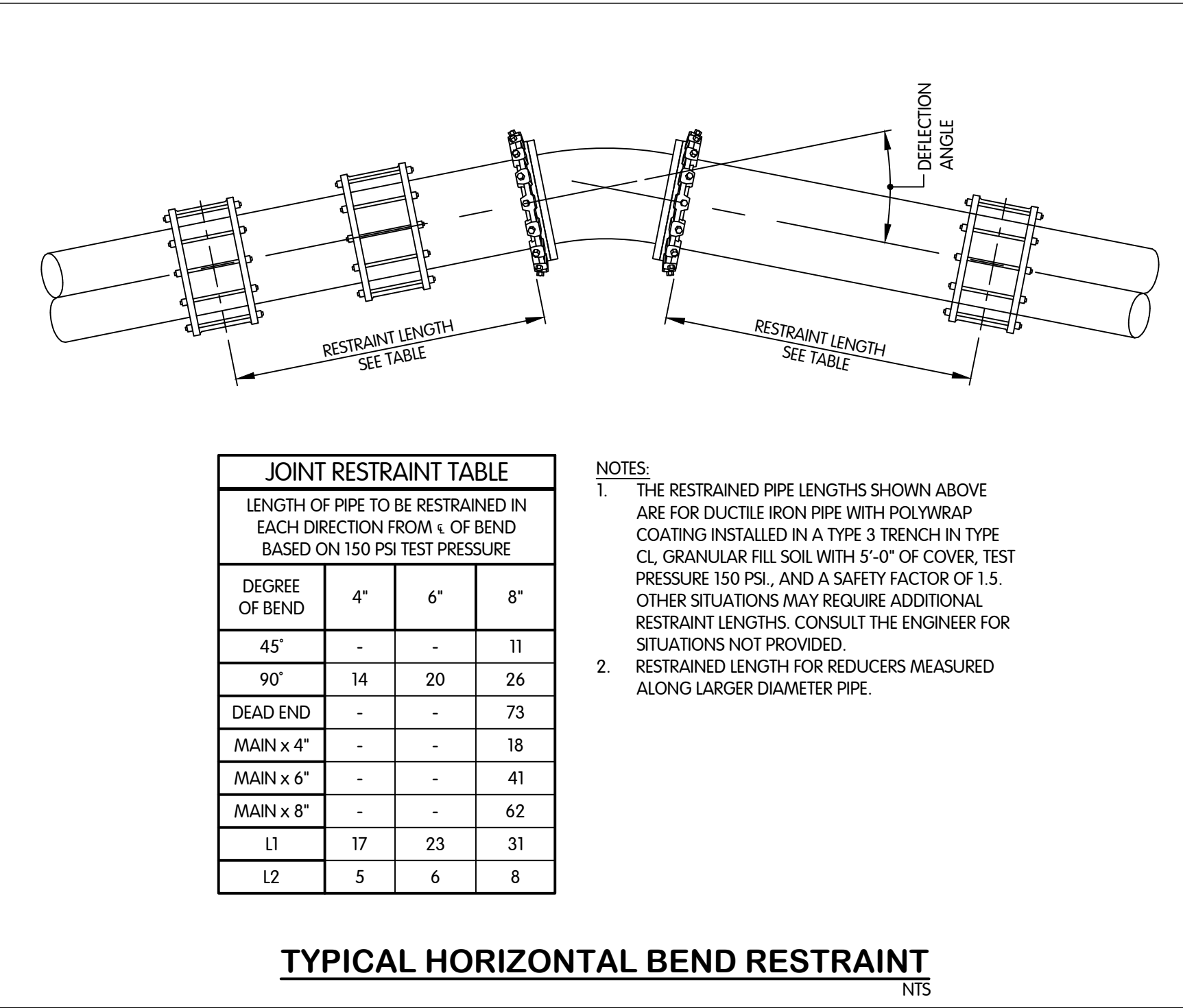
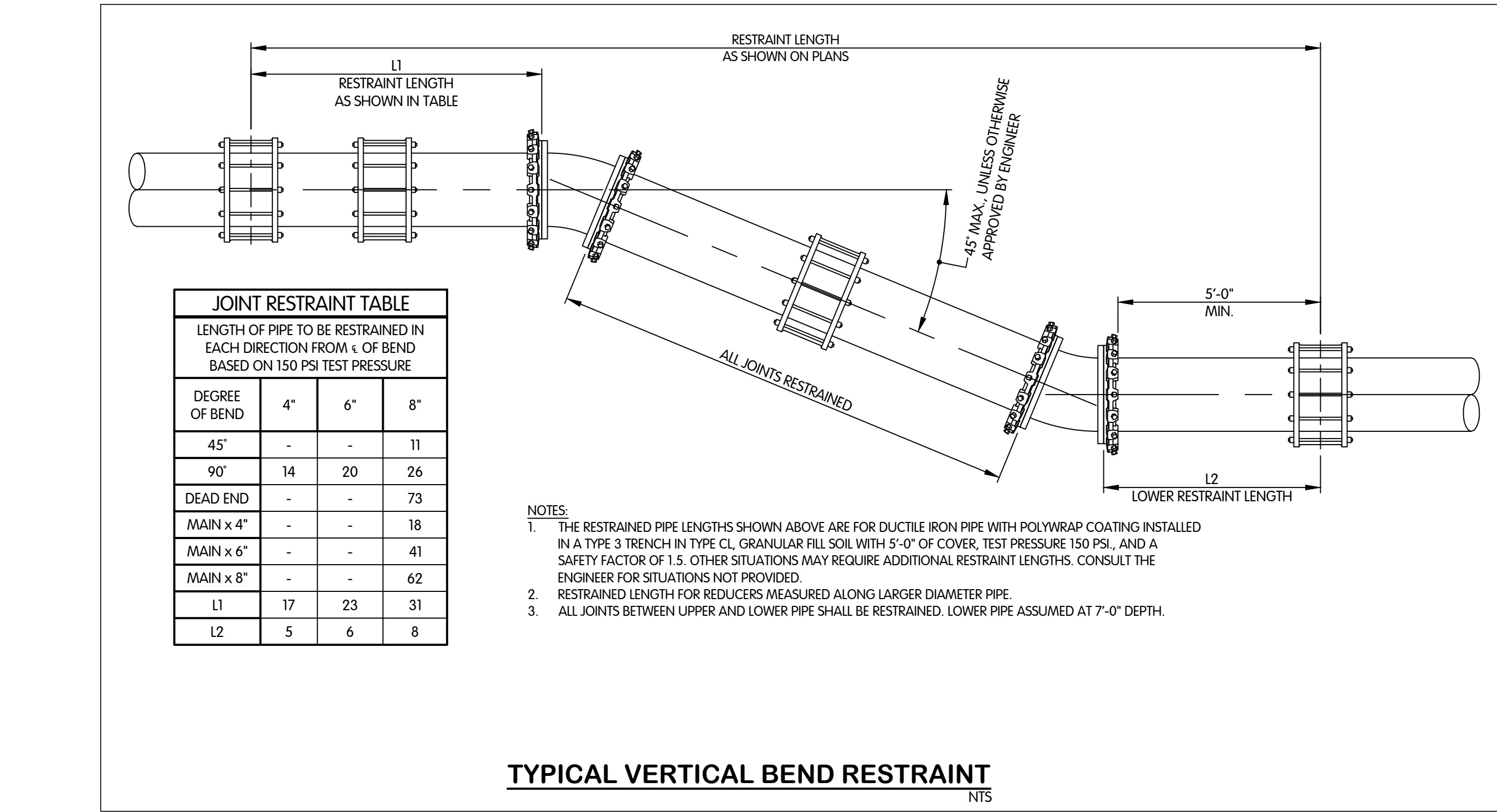
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STATUS ISSUED FOR BID

DATE 2026

SHEET NO. W-0.2
30 OF 48



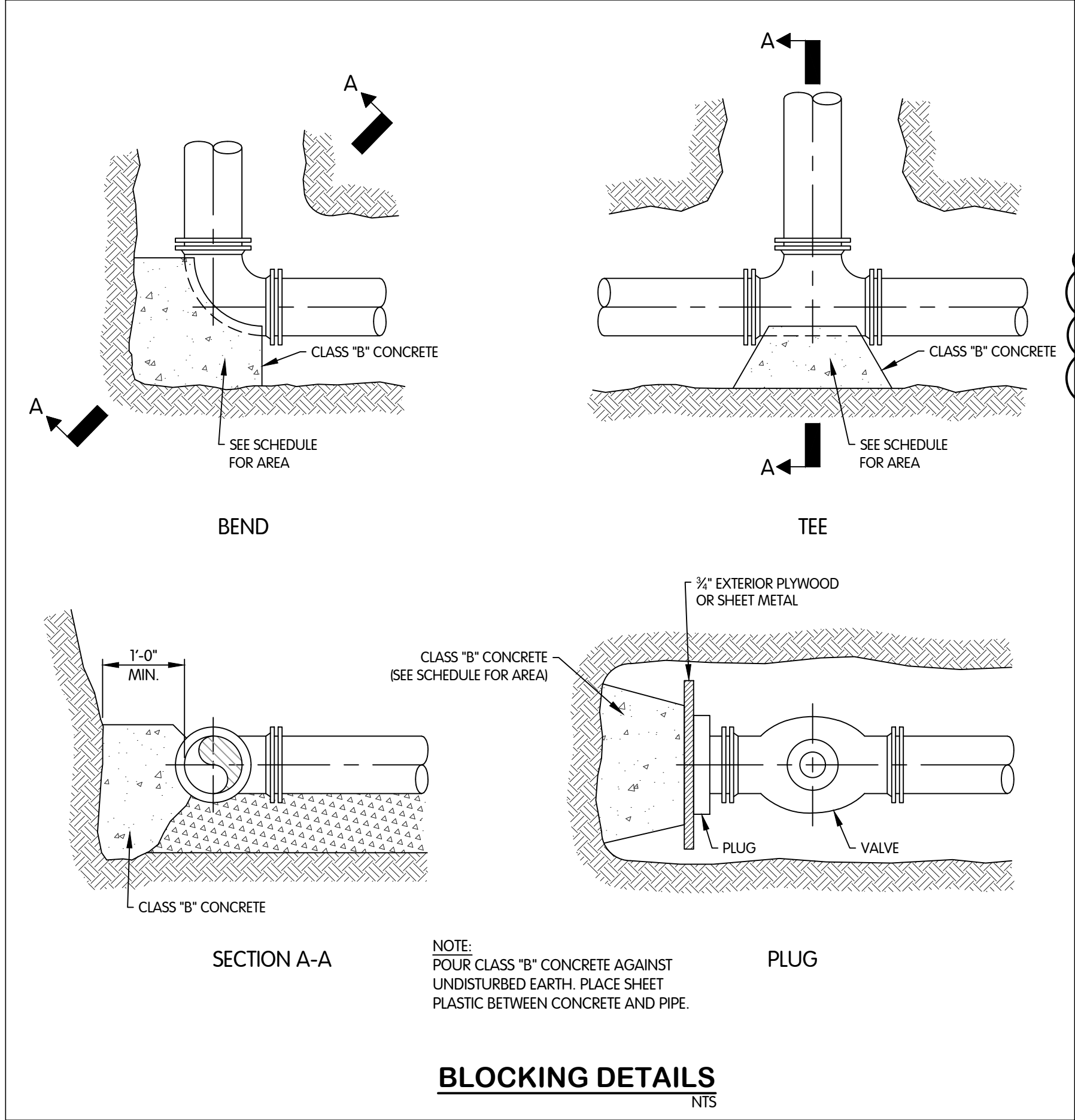
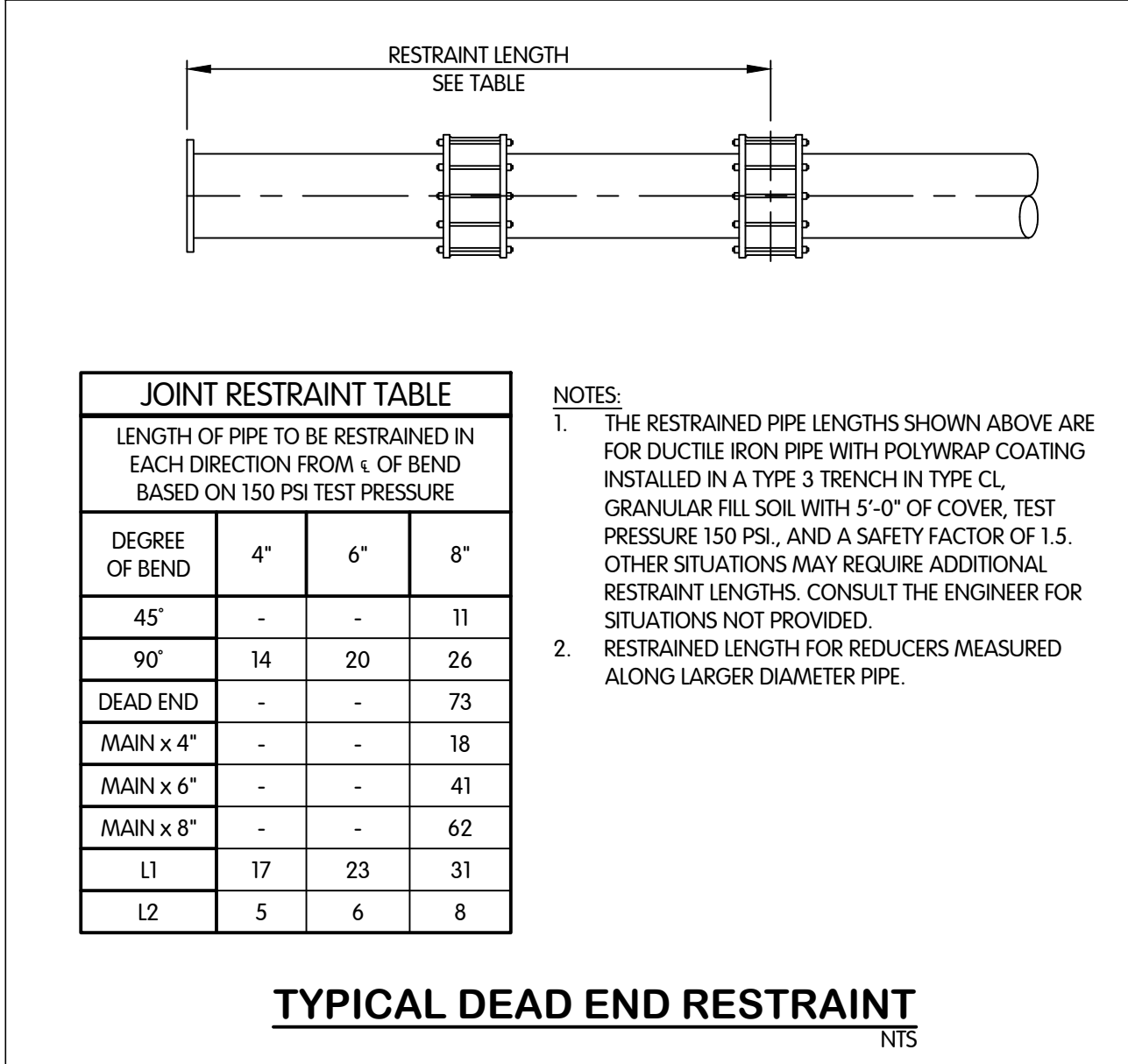
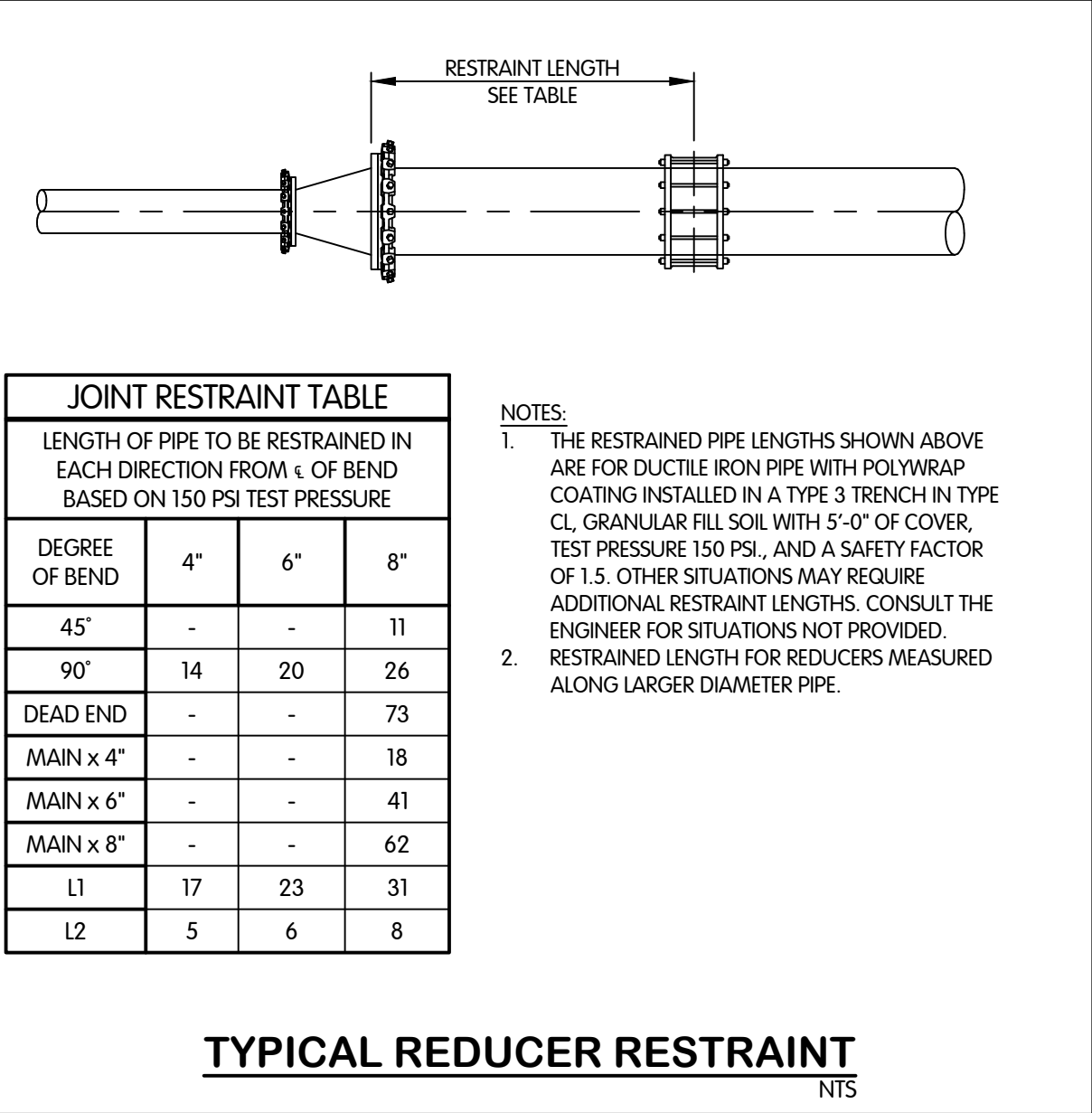
PROFESSIONAL ENGINEER
No. 19900563
STATE OF INDIANA
MICHAEL S. HARKER
01-13-2025

CIVIL
WATER
AND SEWER CROSSING DETAILS
STANDARDS

TURKEY CREEK REGIONAL SEWER DISTRICT
FASCINATION PLACE WATER MAIN IMPROVEMENTS

JPM BY

1 01-28-2026 ADDENDUM 2
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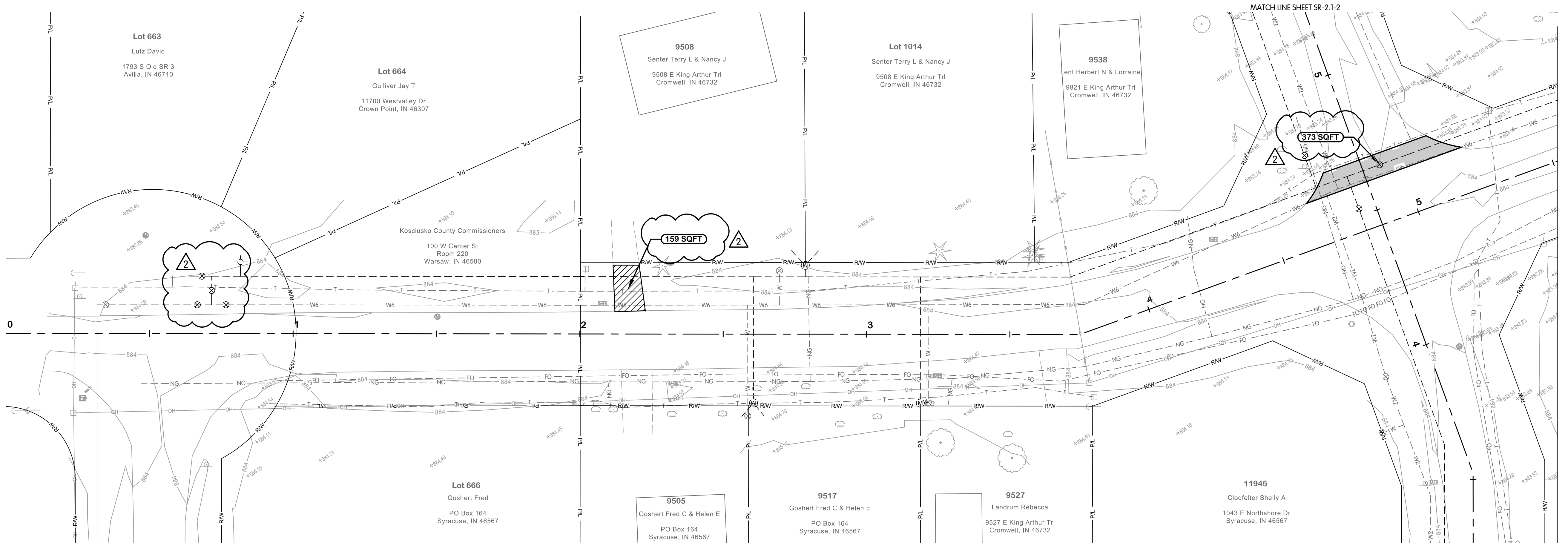
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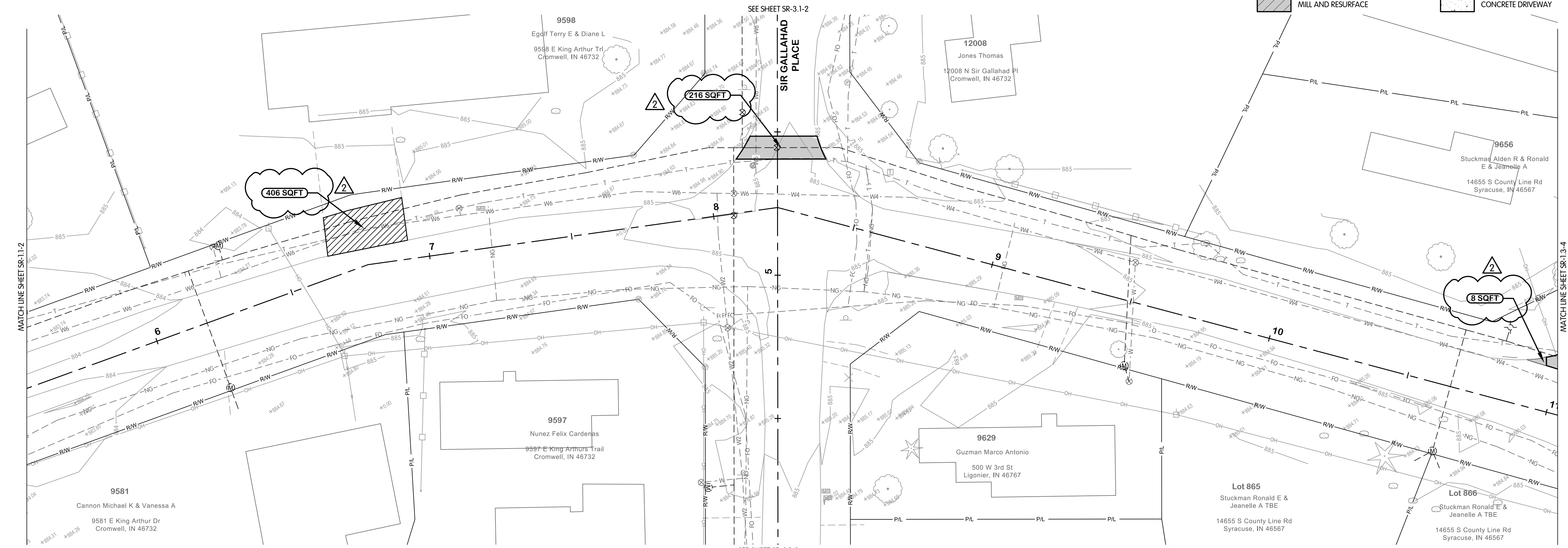
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1/29/2026 11:26 AM - ABLASING
1/29/2026 11:49 AM



KING ARTHUR TRAIL

SURFACE RESTORATION LEGEND

- | | |
|--------------------|-------------------|
| ASPHALT PAVEMENT | GRAVEL DRIVEWAY |
| MILL AND RESURFACE | CONCRETE DRIVEWAY |



KING ARTHUR TRAIL

REGISTERED PROFESSIONAL ENGINEER
No. 19900563
STATE OF INDIANA
PROJECT ONLY
Michael S. Harkins
01-13-2025
TCRSD

**KING ARTHUR TRAIL
SURFACE RESTORATION
PLAN
STA. 0+00 TO 1+00
TURKEY CREEK REGIONAL SEWER DISTRICT
FASCINATION PLACE WATER MAIN IMPROVEMENTS**

NO.		DATE	REVISIONS AFTER ISSUED FOR BID	JPM	BY
1	01-28-2026	ADDENDUM 2			

Jones & Henry
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www.jheng.com

JOB NO. 868-8305.400

SCALE 1"=20'

THIS LINE SCALES IF WHEN PLOTTED TO NOTED SCALE

DESIGNED	DRAWN	CHECKED
JPM	AJB	MSH

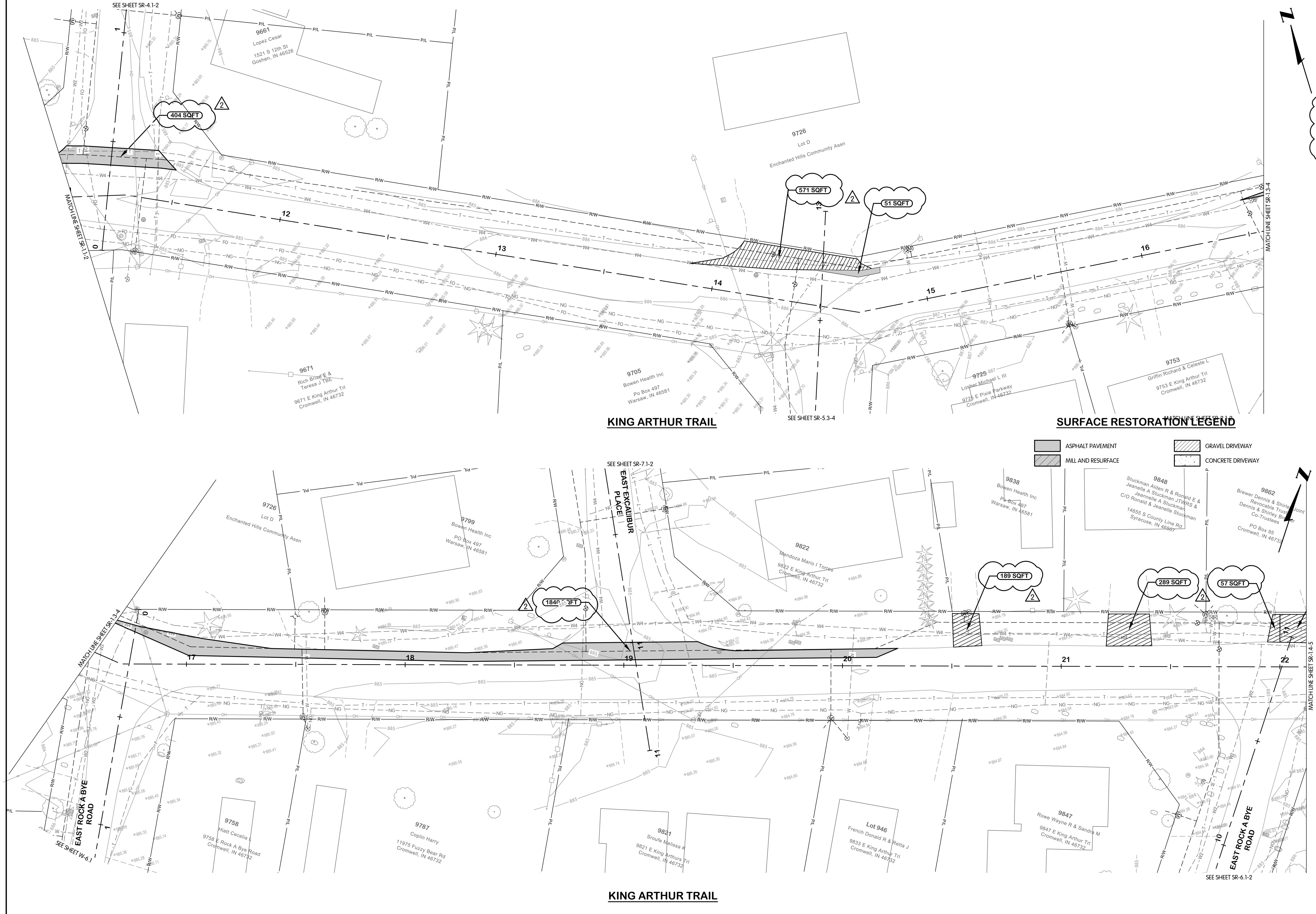
STATUS ISSUED FOR BID

DATE 2026

SHEET NO. SR1.1-2

33 OF 48

FTW-53064.00SR-SR-1.3-4
1/29/2026 11:26 AM - ABLASING
1/29/2026 11:50 AM



KING ARTHUR TRAIL

SURFACE RESTORATION LEGEND

- ASPHALT PAVEMENT
- MILL AND RESURFACE
- GRAVEL DRIVEWAY
- CONCRETE DRIVEWAY

KING ARTHUR TRAIL

Professional Engineer
MICHAEL S. HARKINS
No. 19900563
STATE OF INDIANA
Professional Engineer
01-13-2025
TCRSD

**KING ARTHUR TRAIL
SURFACE RESTORATION
PLAN
STA. 11+00 TO 22+00
TURKEY CREEK REGIONAL SEWER DISTRICT
FASCINATION PLACE WATER MAIN IMPROVEMENTS**

NO.	DATE	REVISIONS AFTER ISSUED FOR BID	JPM	BY
1	02-28-2026	ADDENDUM 2		

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JOB NO. 868-8305.400

SCALE 1"=20'

THIS LINE SCALES IF WHEN
PLOTTED TO NOTED SCALE

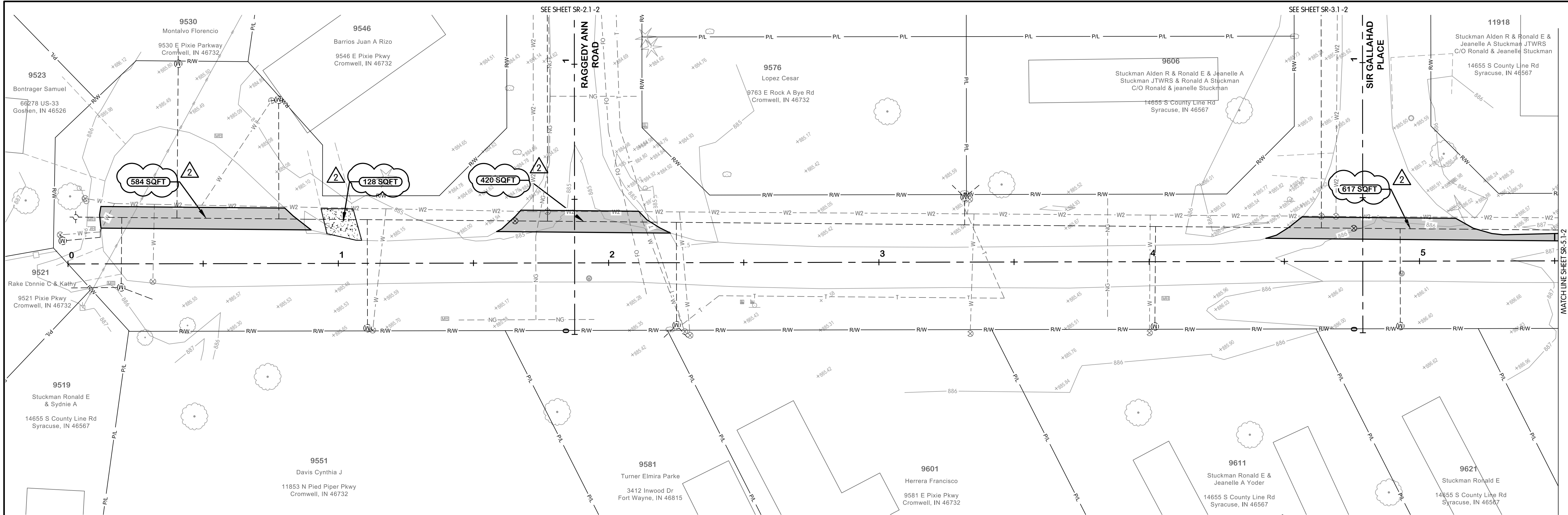
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JPM	AJB	MSH

STATUS ISSUED FOR BID

DATE 2026

SHEET NO.
SR-1.3-4
34 OF 48

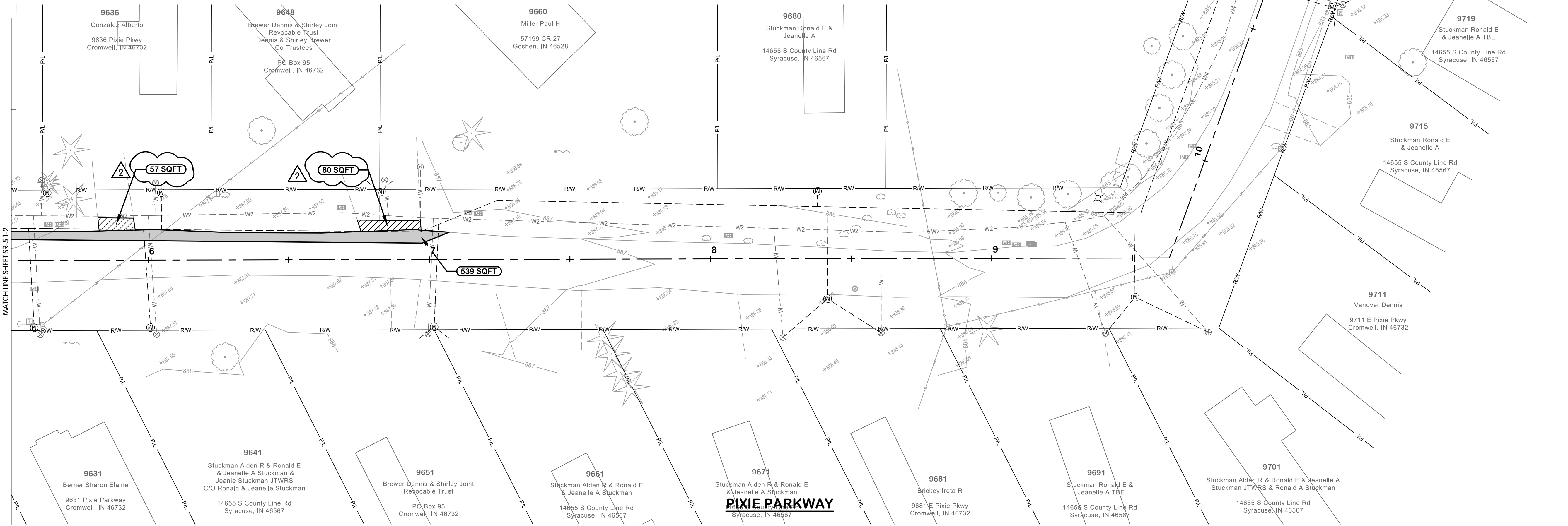
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1/29/2026 11:28 AM - ABL/ASJ
1/29/2026 11:53 AM



SURFACE RESTORATION LEGEND

- | | | | |
|--|--------------------|--|-------------------|
| | ASPHALT PAVEMENT | | GRAVEL DRIVEWAY |
| | MILL AND RESURFACE | | CONCRETE DRIVEWAY |

PIXIE PARKWAY



REGISTERED PROFESSIONAL ENGINEER

STATE OF INDIANA

NO. 19900563

MICHAEL S. HARKER

01-13-2025

TCSRSD

2

PIXIE PARKWAY
SURFACE RESTORATION
PLAN
STA. 0+00 TO 11+00
TURKEY CREEK REGIONAL SEWER DISTRICT
FASCINATION PLACE WATER MAIN IMPROVEMENTS

DESIGNED
JPM

DRAWN
AJB

CHECKED
MSH

STATUS
ISSUED FOR BID

DATE
2026

SHEET NO.
SR-5.1-2

39 OF 48

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JOB NO.
868-8305.400

SCALE
1"=20'

THIS LINE SCALES IF WHEN
PLOTTED TO NOTED SCALE

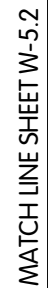
NO. 1 01-28-2026 ADDENDUM 2

REVISIONS AFTER ISSUED FOR BID

DATE

BY

JPM



PIXIE PARKWAY



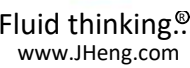
PIXIE PARKWAY SURFACE RESTORATION PLAN

STA. 11+00 TO 13+00

TURKEY CREEK REGIONAL SEWER DISTRICT
FASCINATION PLACE WATER MAIN IMPROVEMENTS

NO.	DATE	REVISIONS AFTER ISSUED FOR BID	BY	JPM
1	01-28-2026	ADENDUM 2		

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Engineers, Ltd.



JOB NO. 868-8305.400

SCALE 1"=20'

THIS LINE SCALES 1" WHEN
PLOTTED TO NOTED SCALE

DESIGNED	DRAWN	CHECKED
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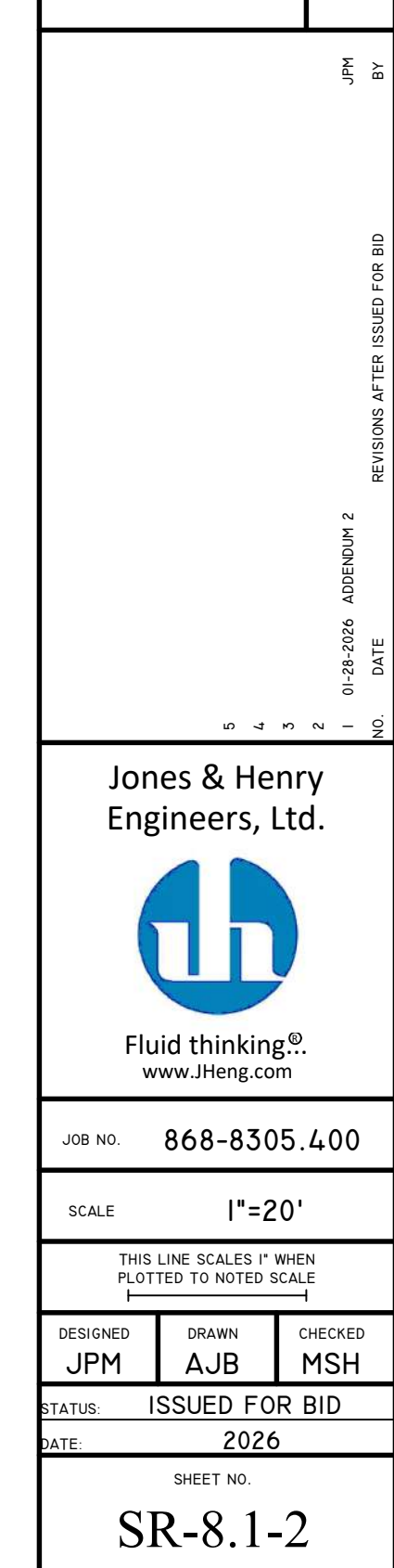
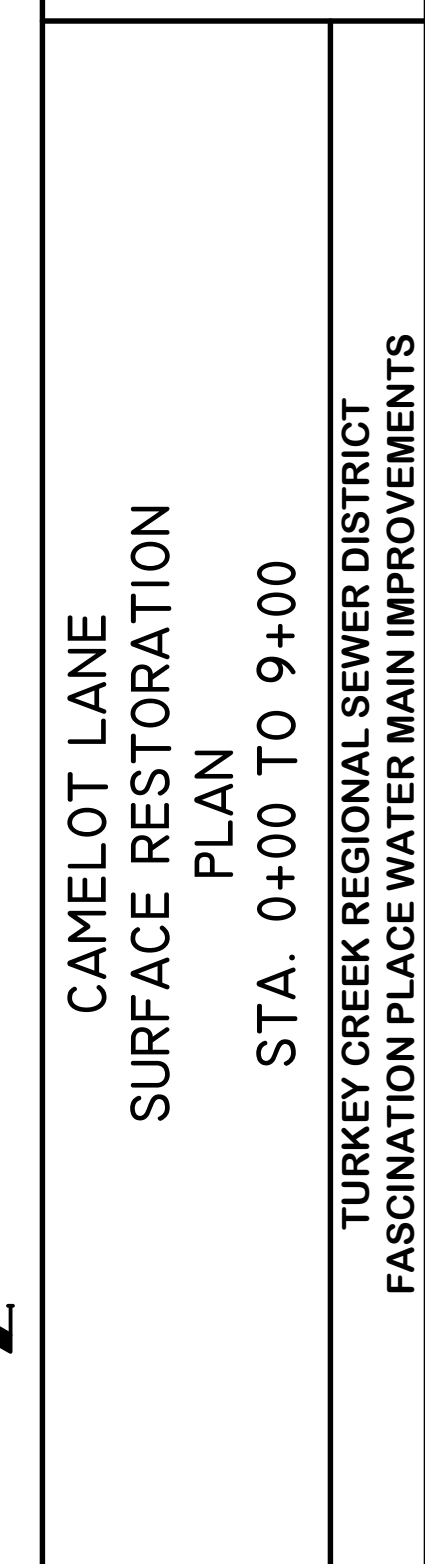
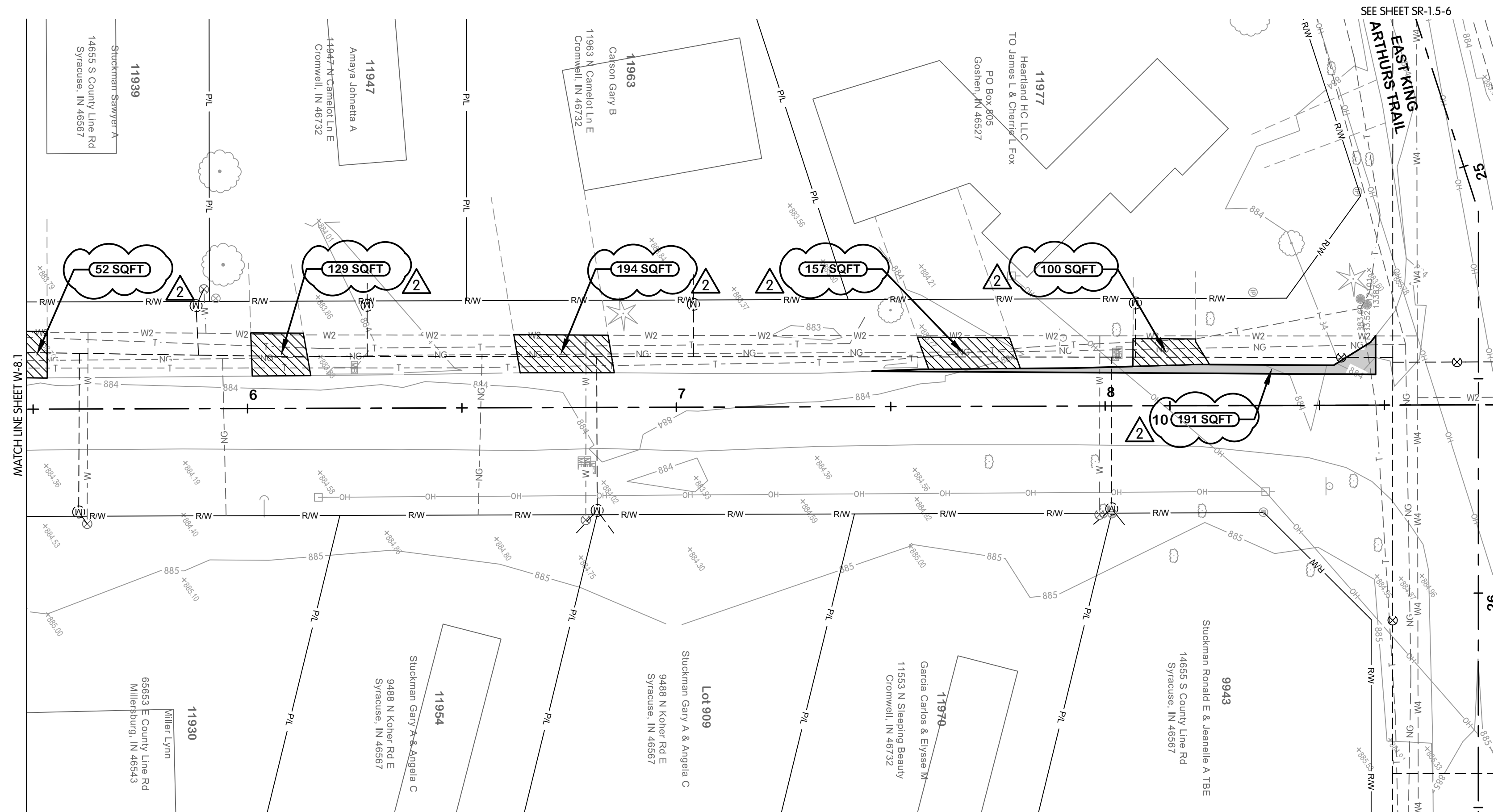
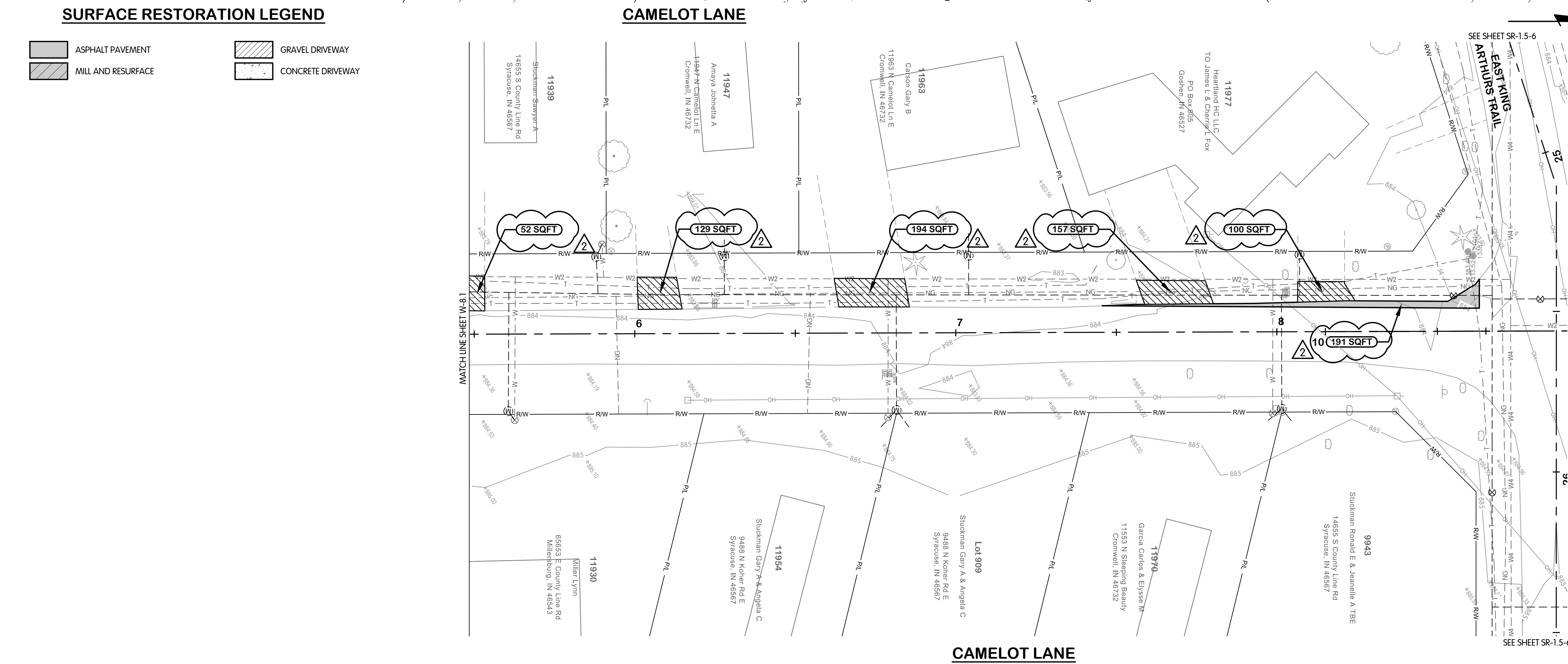
JPM	AJB	
ISSUED FOR		

STATUS:	ISSUED FOR
DATE:	2026

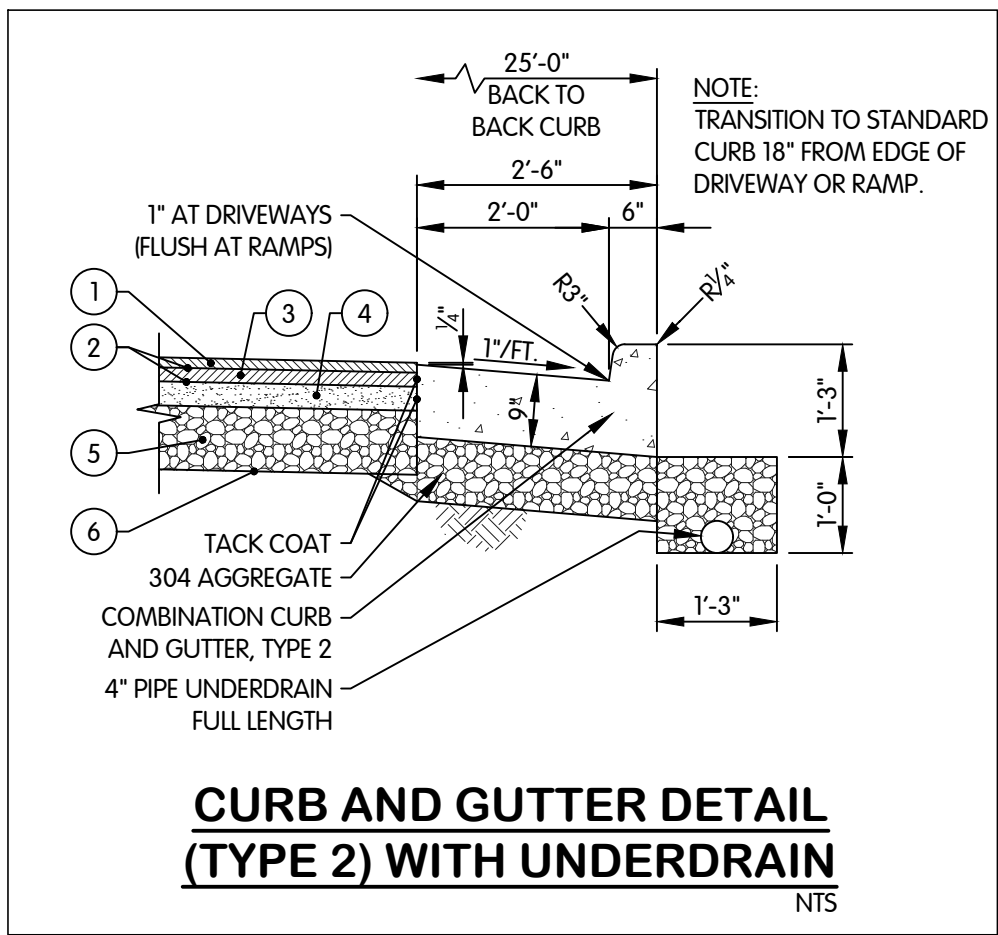
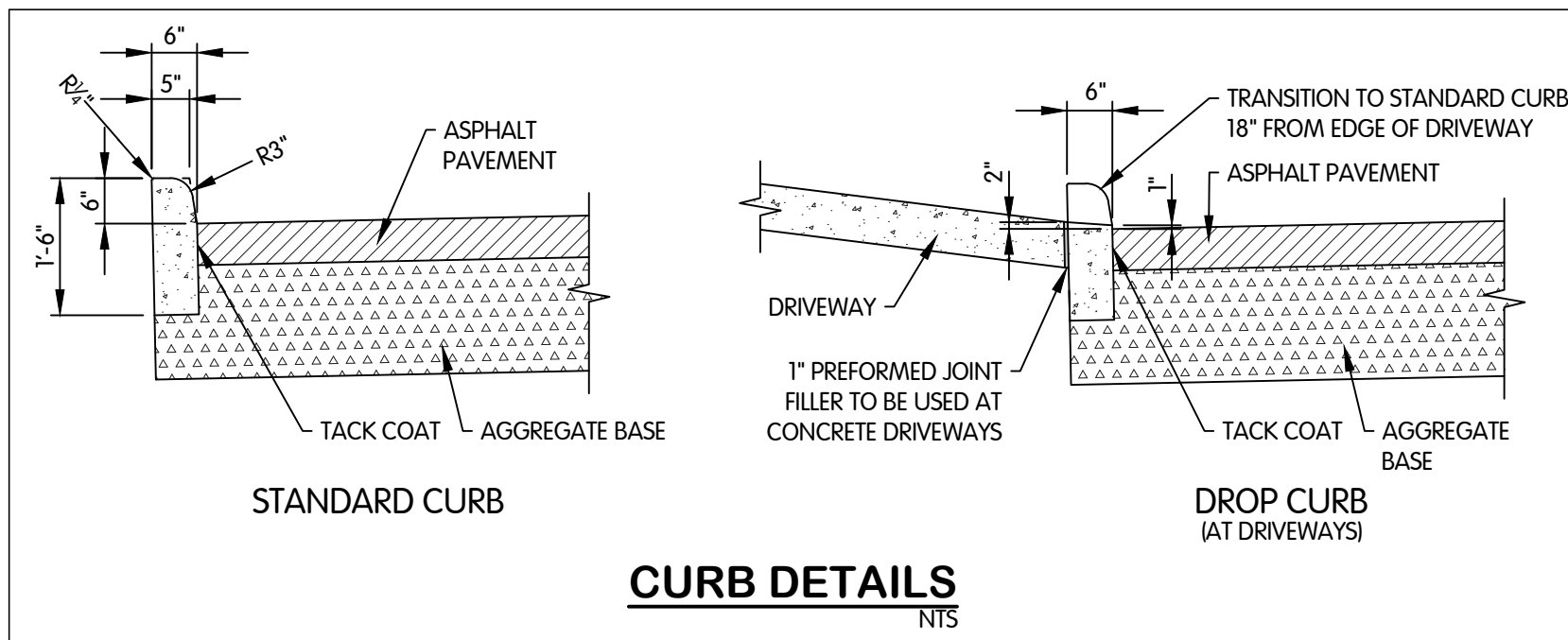
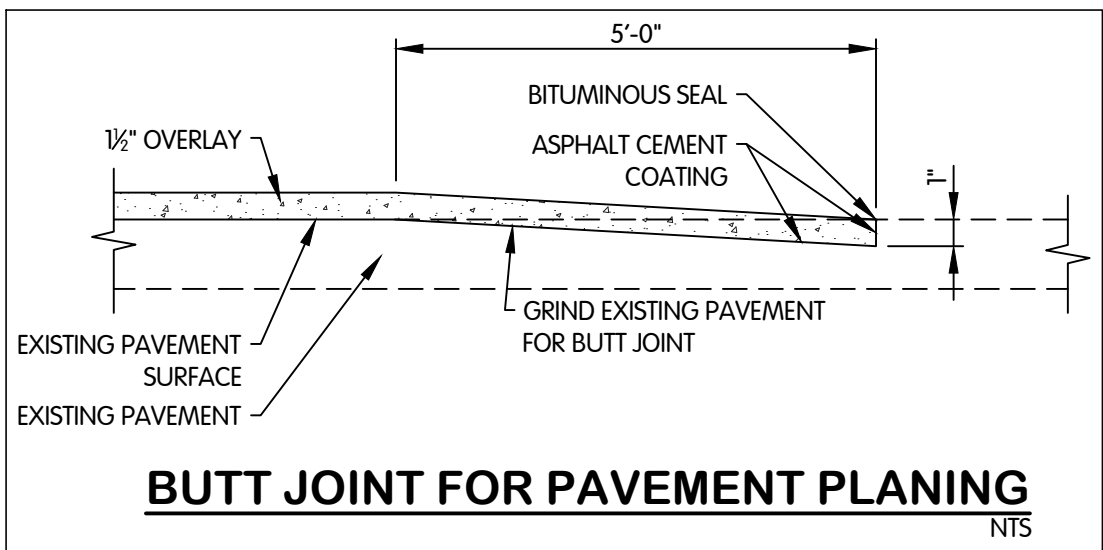
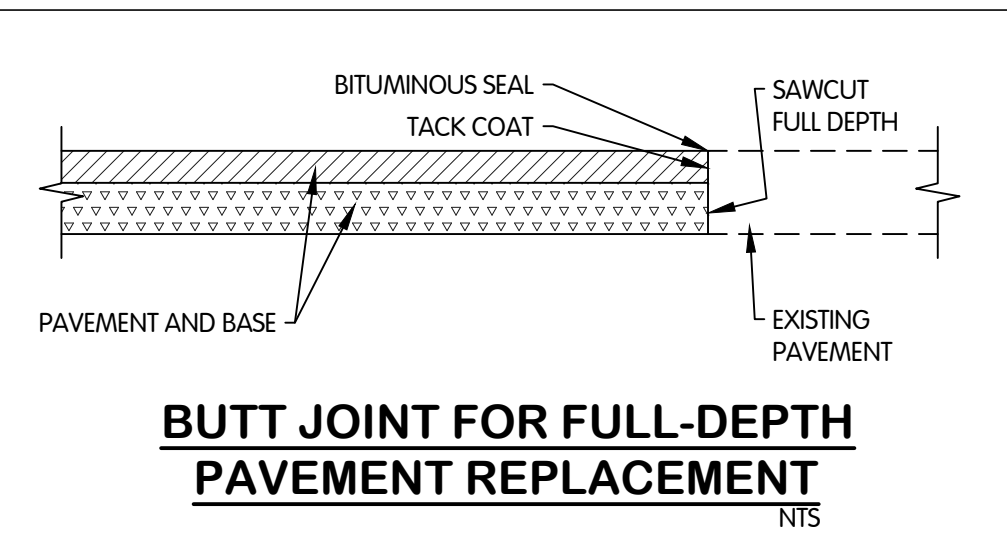
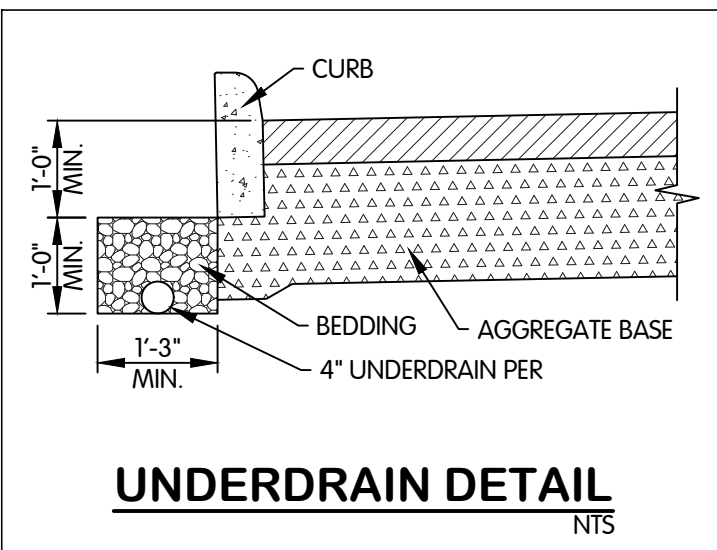
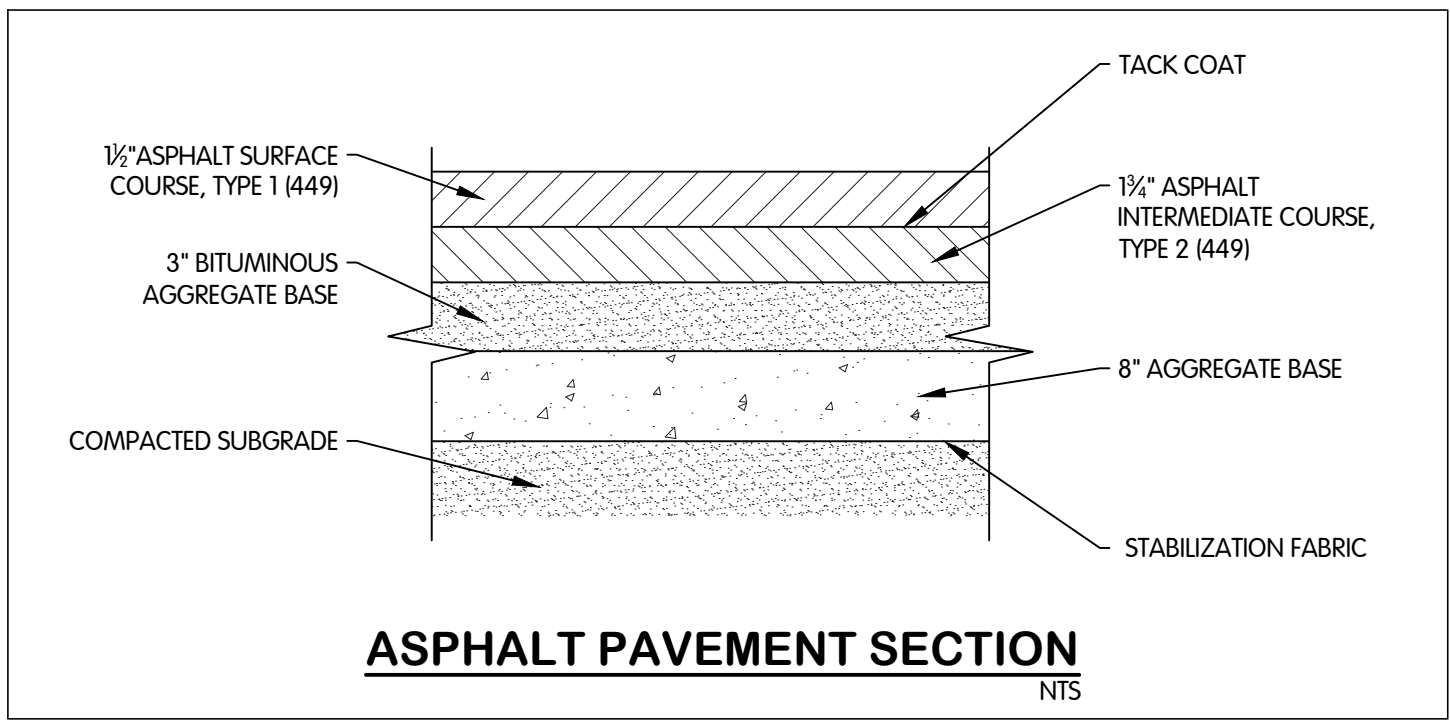
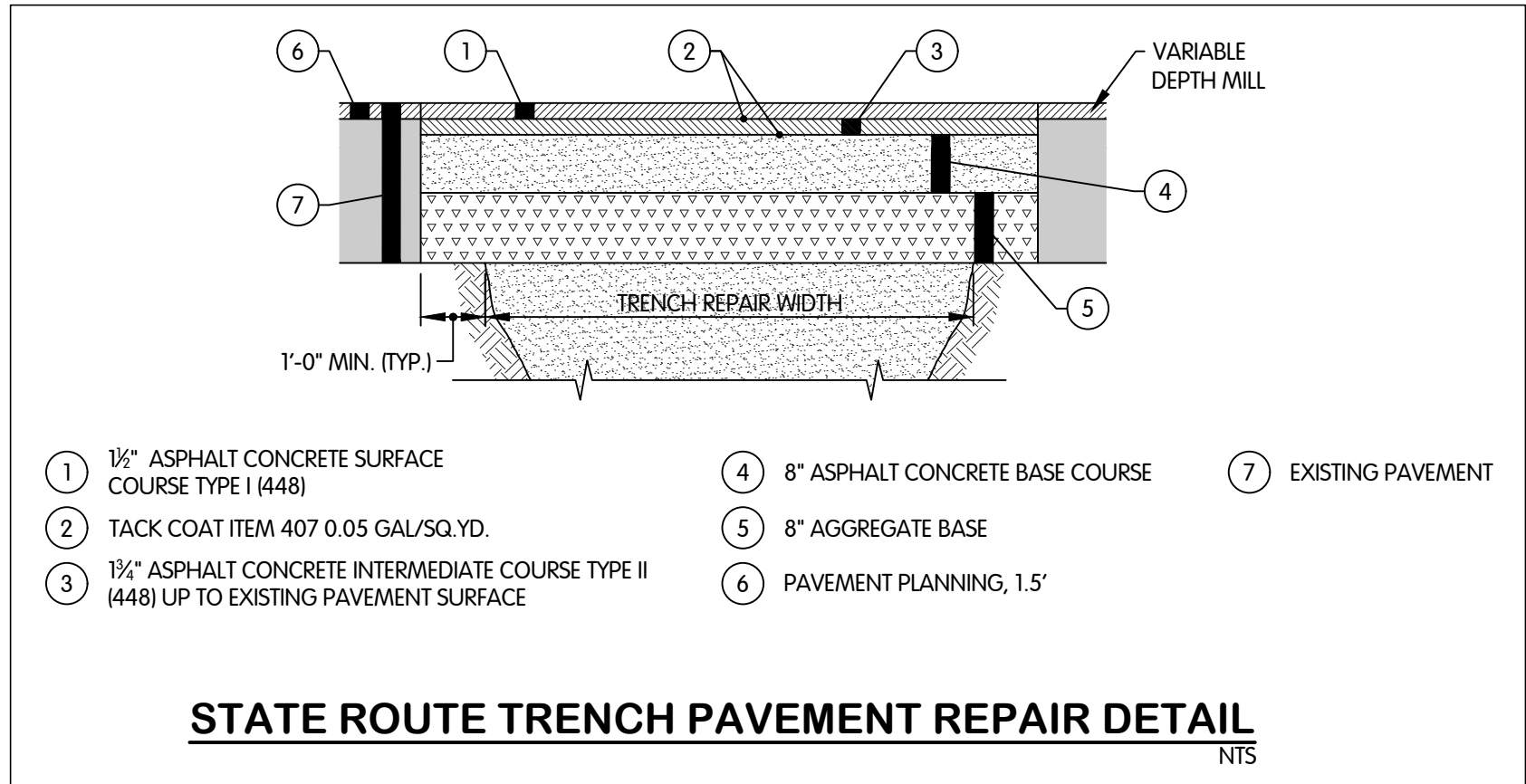
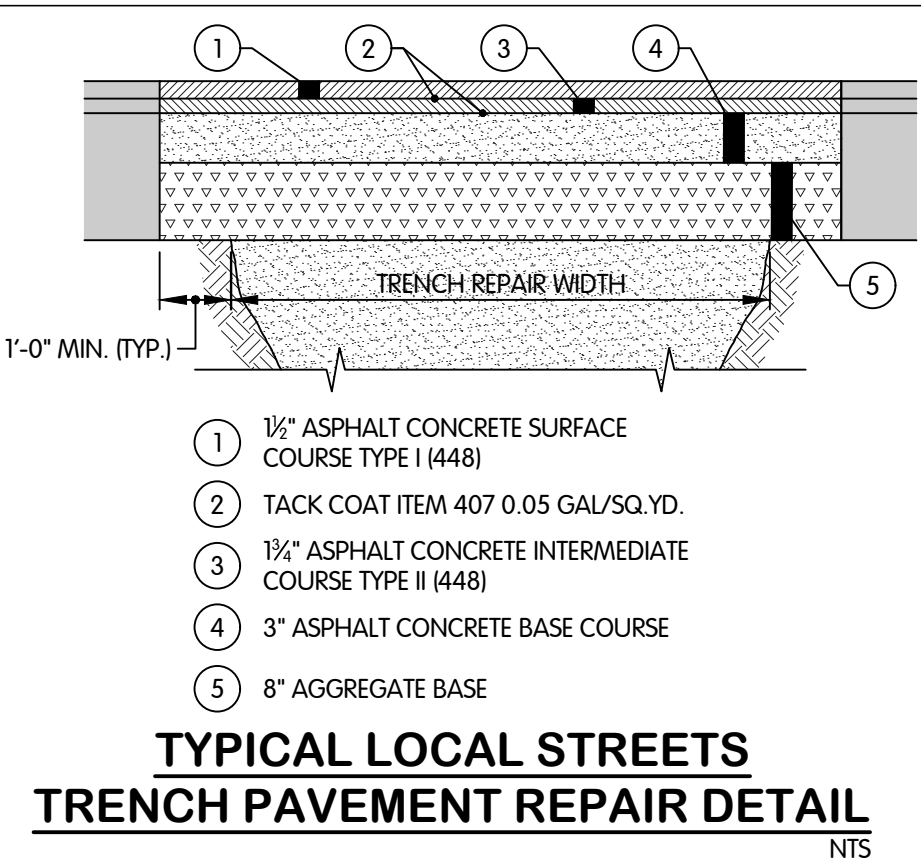
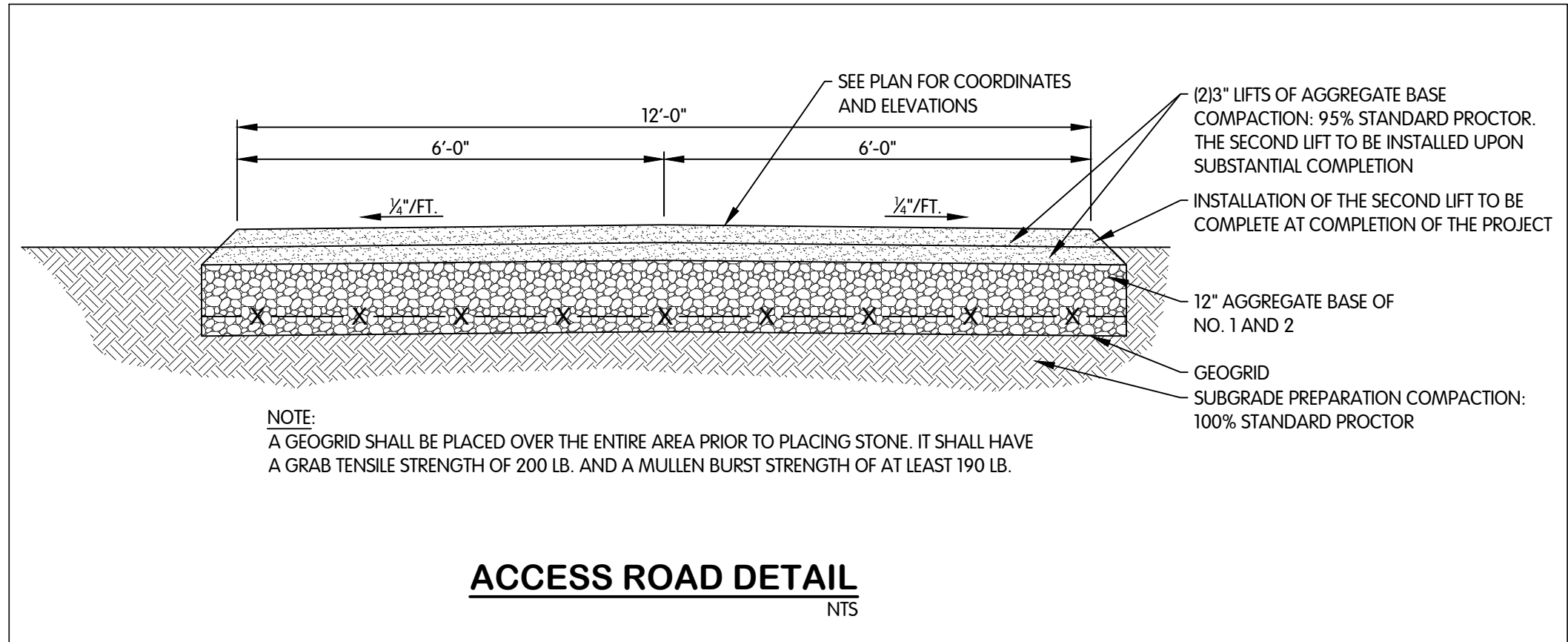
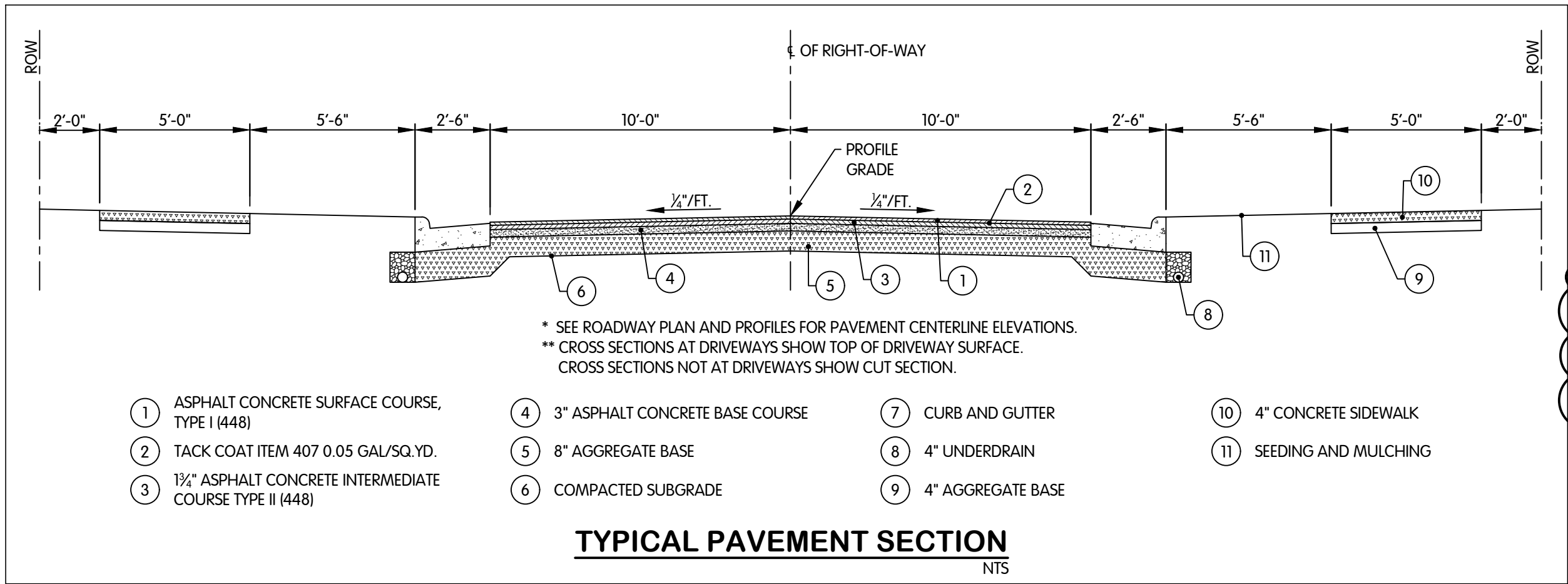
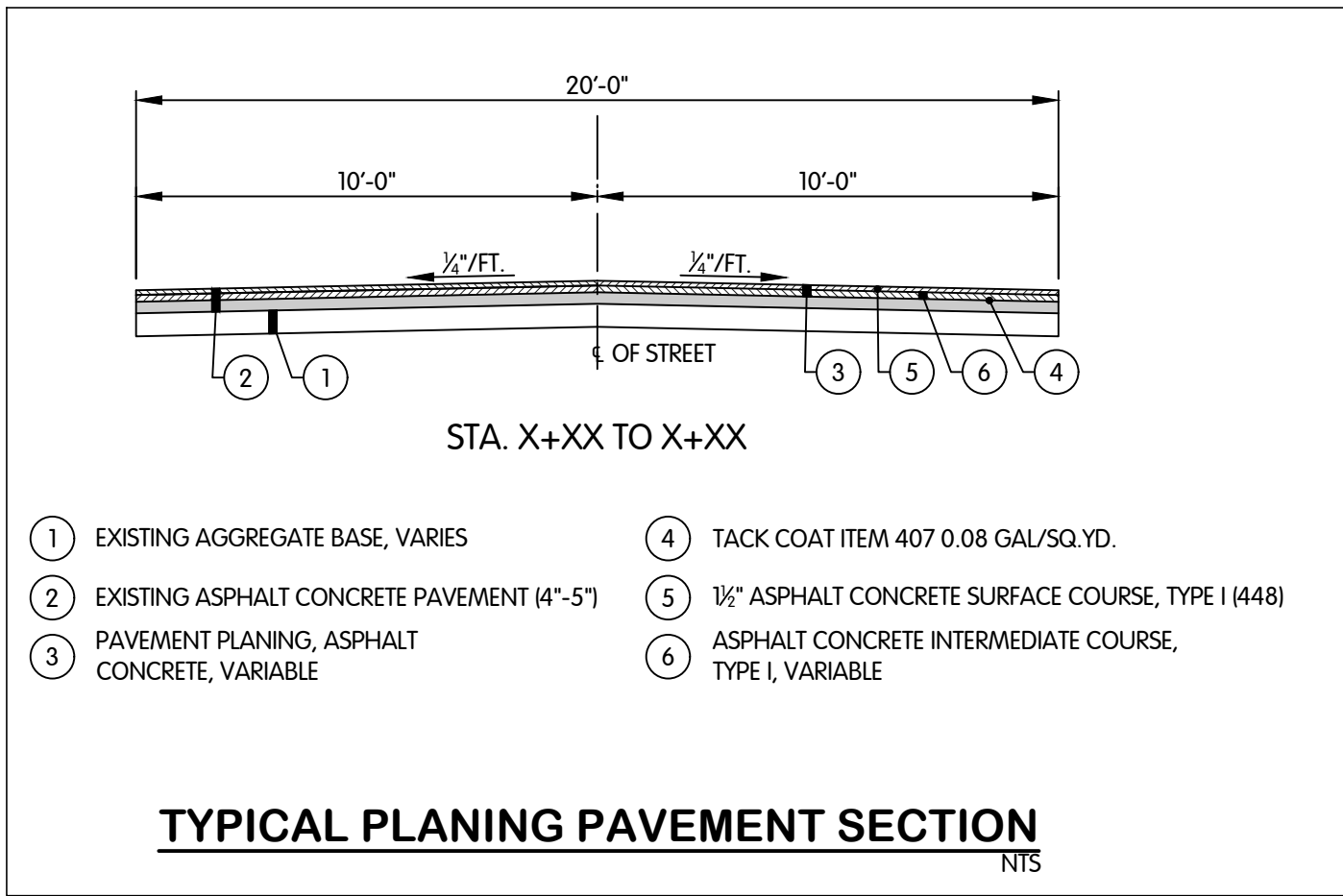
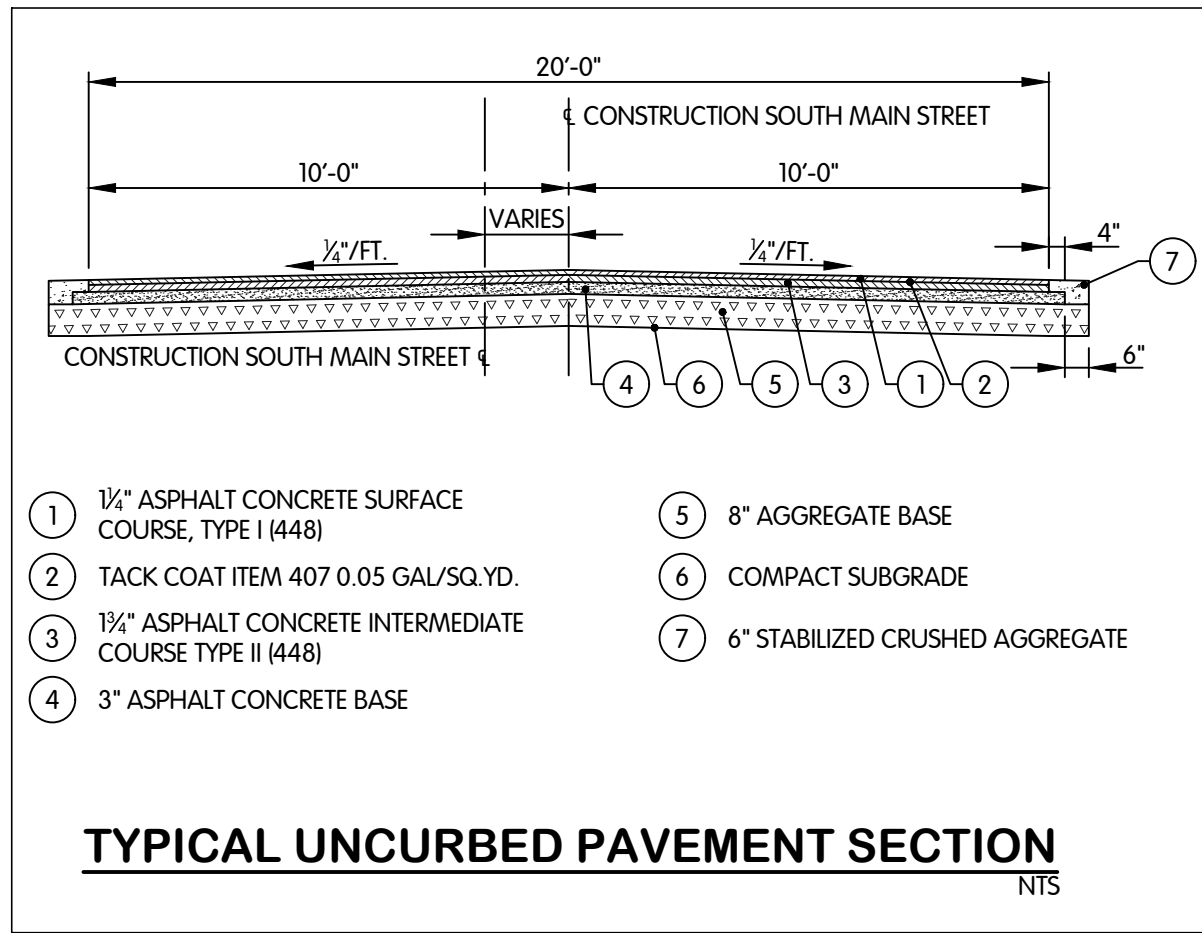
SHEET NO.

SR-5.3

40 OF 48



FTW-830540SR8-SR-8.1-2
/29/2026 8:08 AM - ABLAISING
/29/2026 11:56 AM



MICHAEL S. HARKINS
REGISTERED
No. 19900563
STATE OF
INDIANA
PROFESSIONAL ENGINEER
01-13-2025
TCSRSD
2

SURFACE RESTORATION
DETAILS
TURKEY CREEK REGIONAL SEWER DISTRICT
FASCINATION PLACE WATER MAIN IMPROVEMENTS

JPM BY

1 01-28-2026 ADDENDUM 2

NO. DATE

REVISIONS AFTER ISSUED FOR BID

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JOB NO. 868-8305.400

SCALE AS INDICATED

THIS LINE SCALES 1" WHEN
PLOTTED TO NOTED SCALE

DESIGNED JPM DRAWN AJB CHECKED MSH

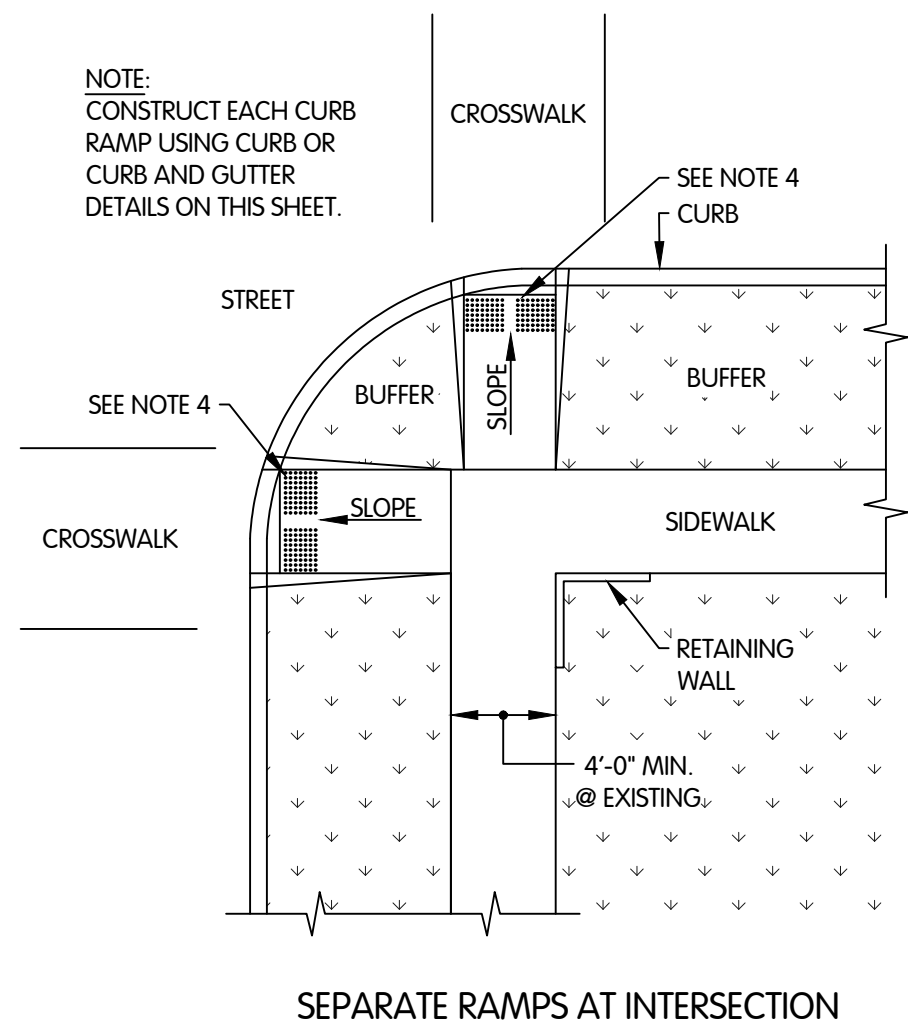
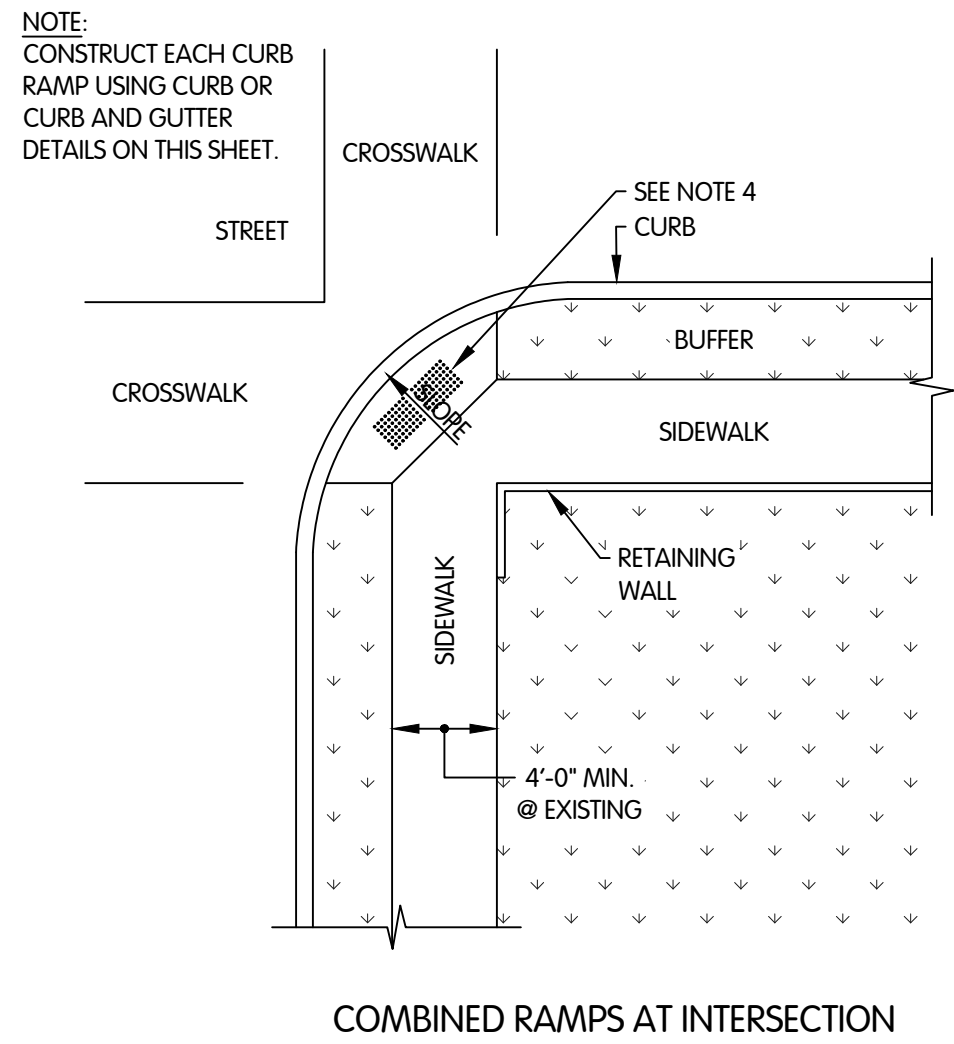
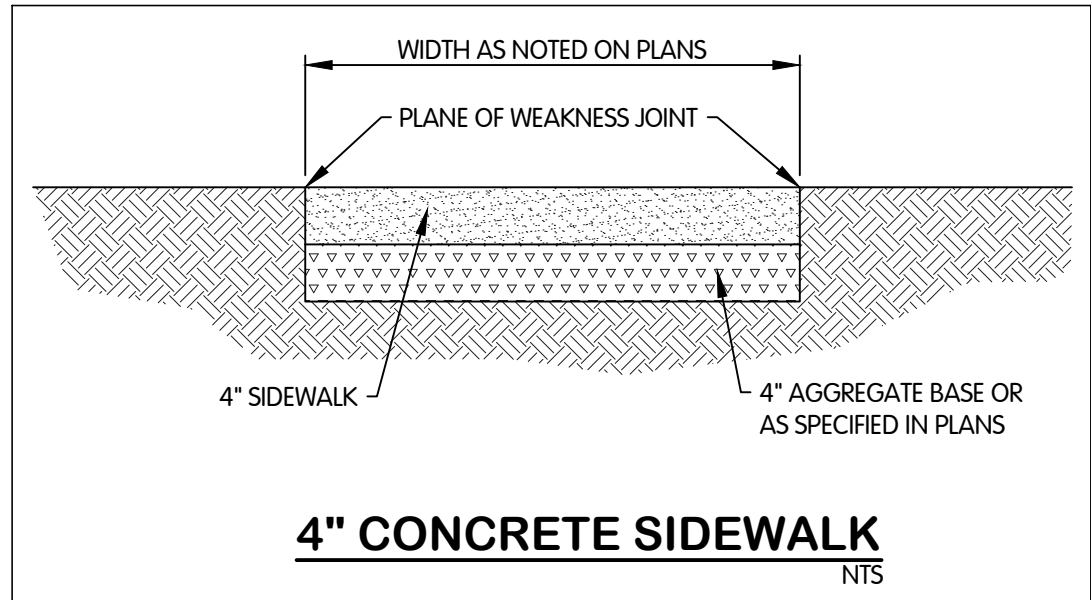
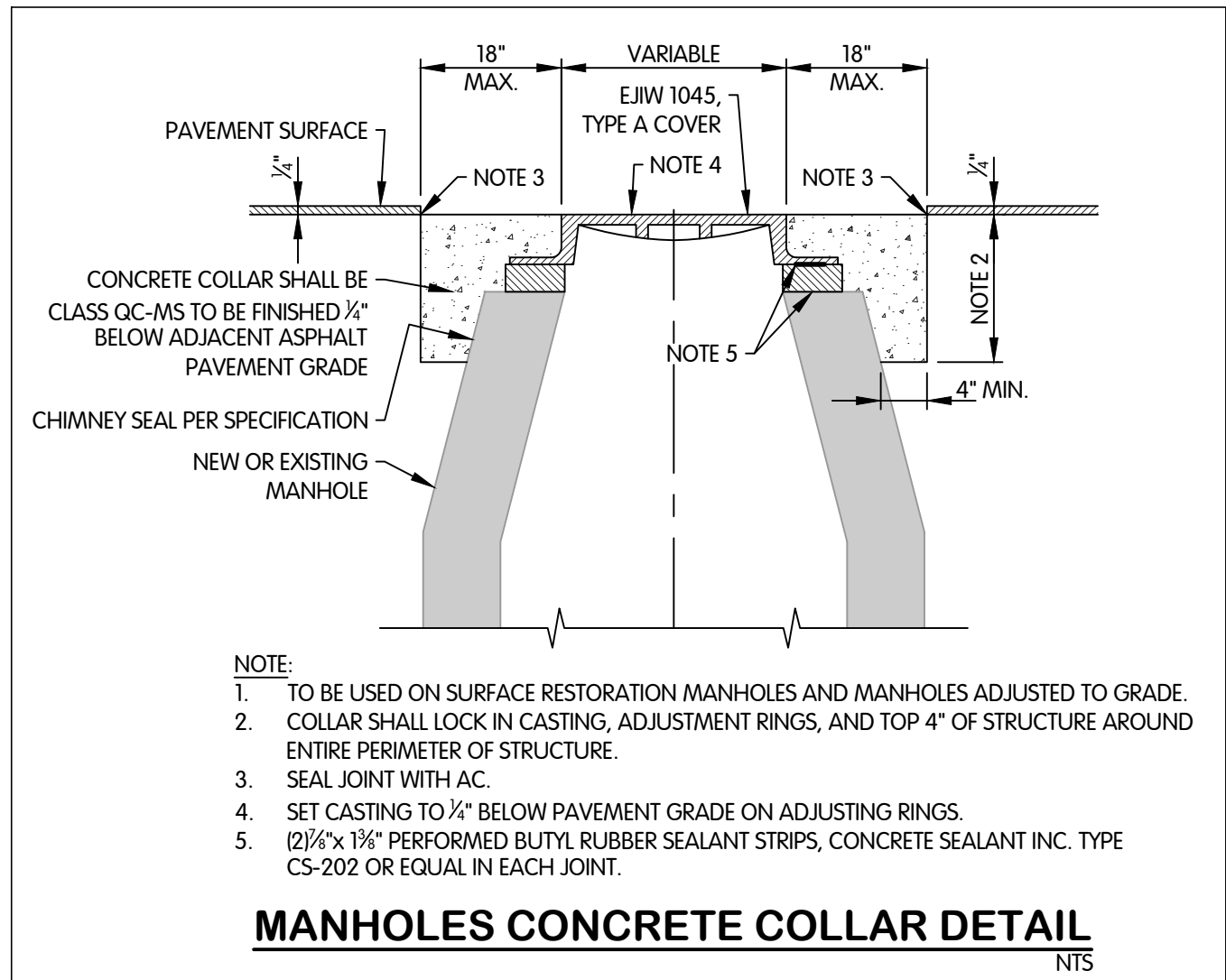
STATUS ISSUED FOR BID

DATE 2026

SHEET NO. 45 OF 48

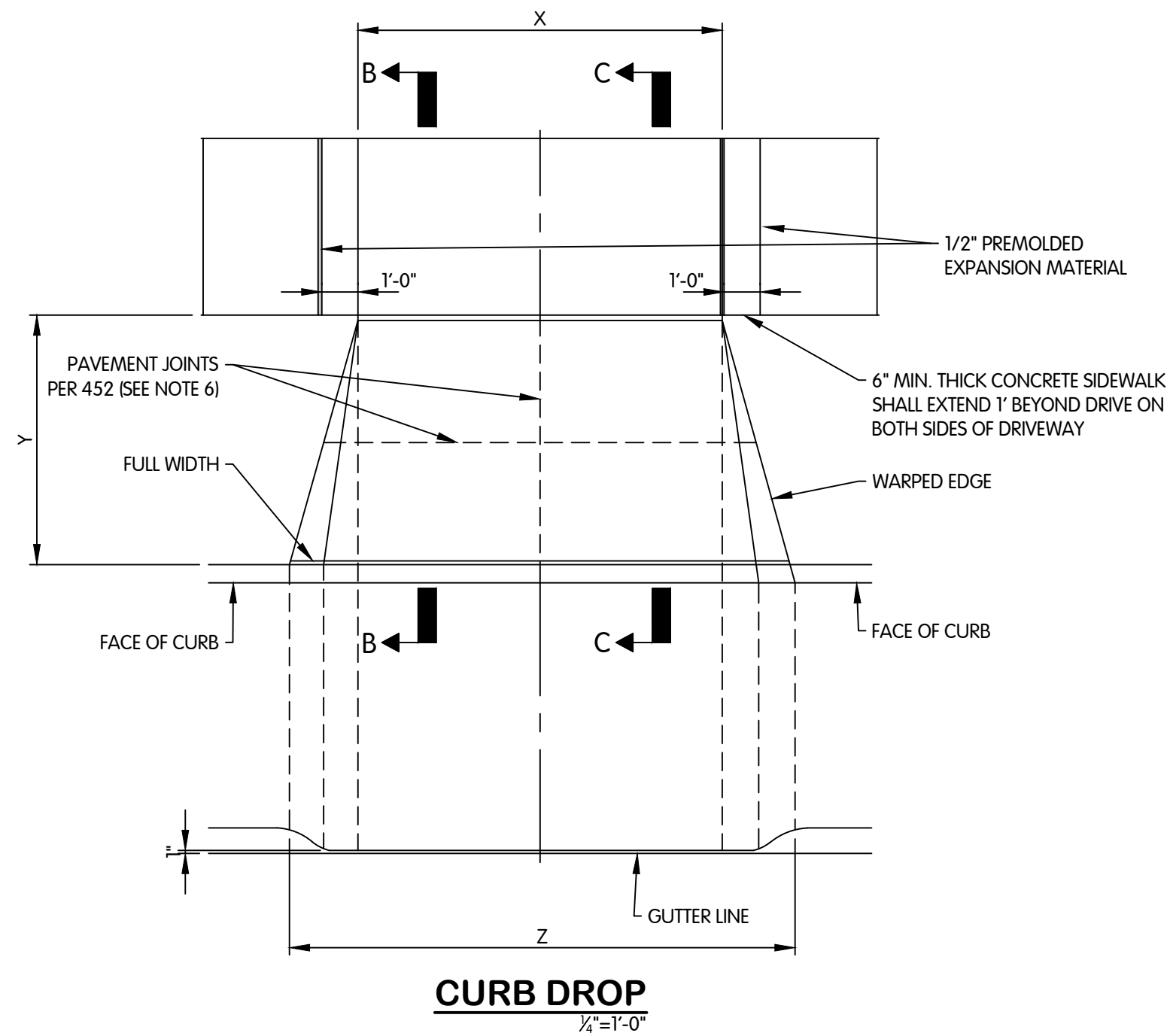
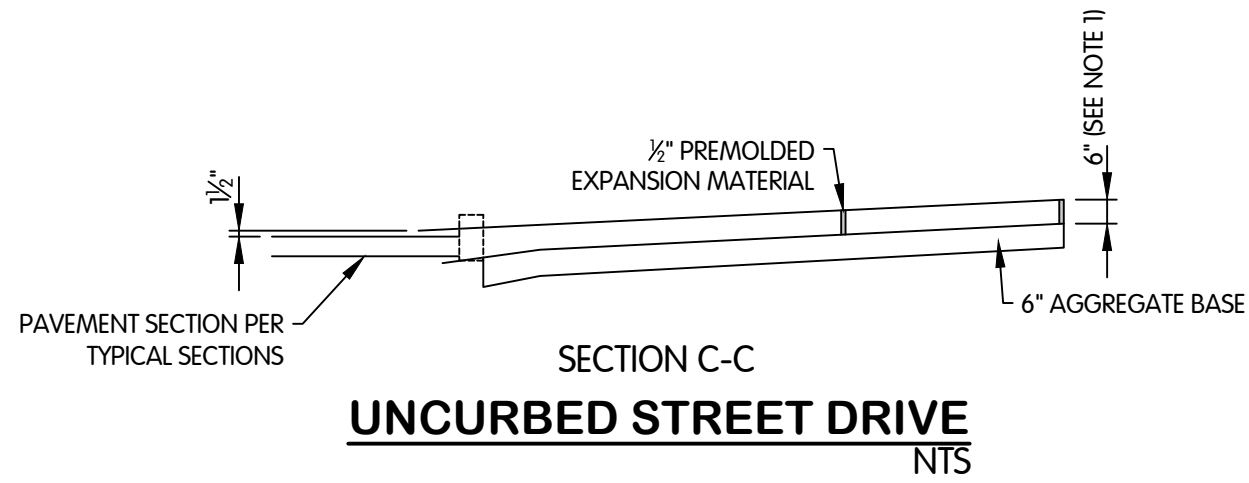
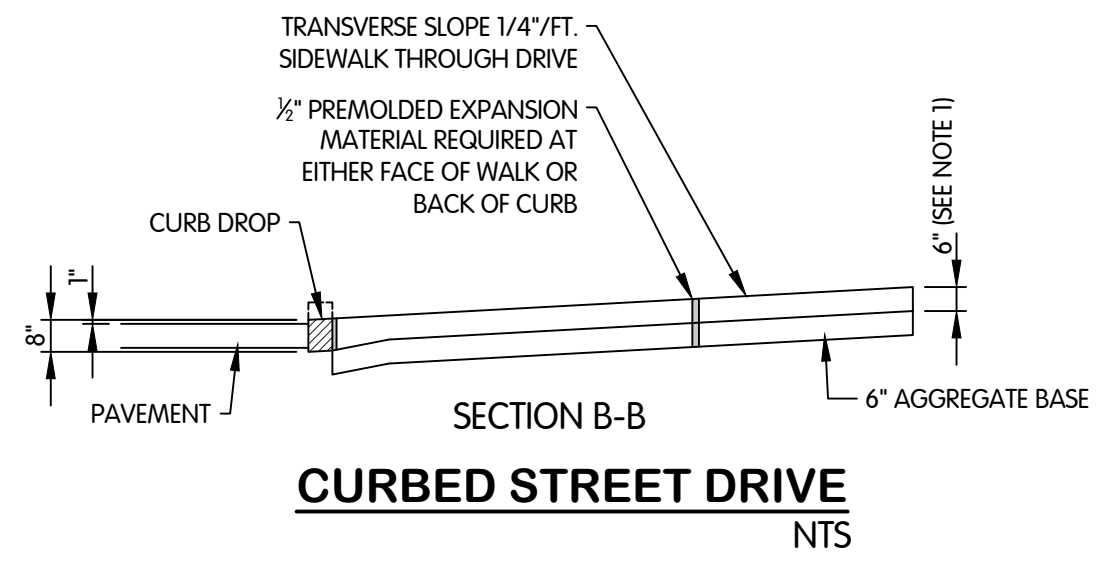
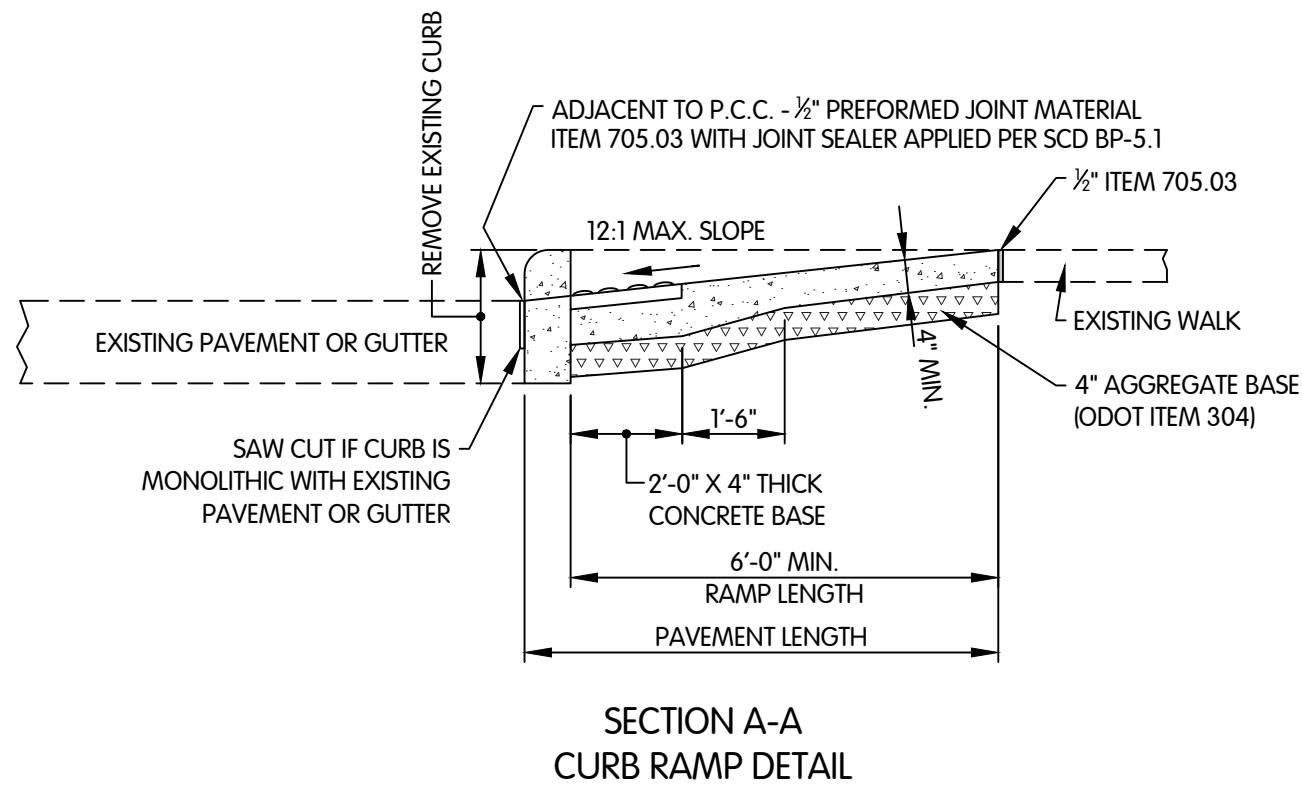
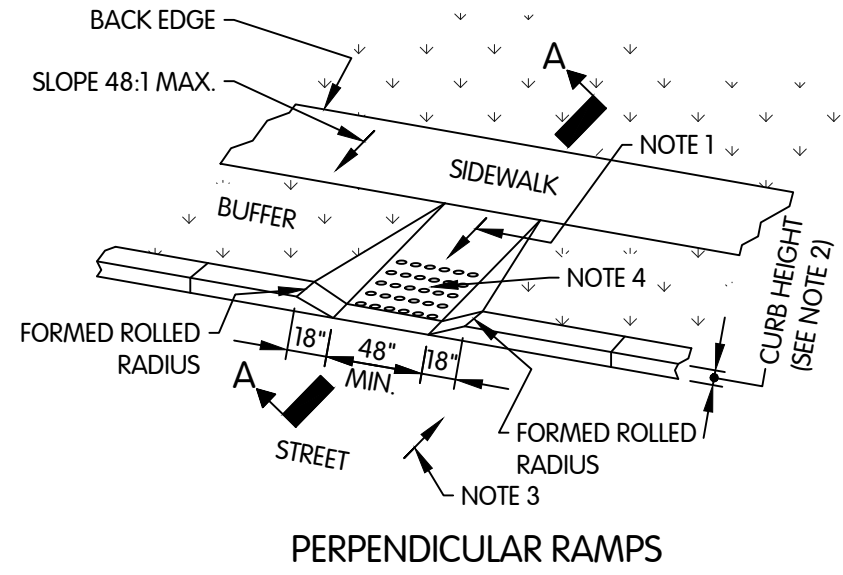
SR-0.1

FTW-53064.00SR01-SR-0.2 SURFACE RESTORATION DETAILS
1/29/2026 11:34 AM - ABL/ASING
1/29/2026 11:57 AM

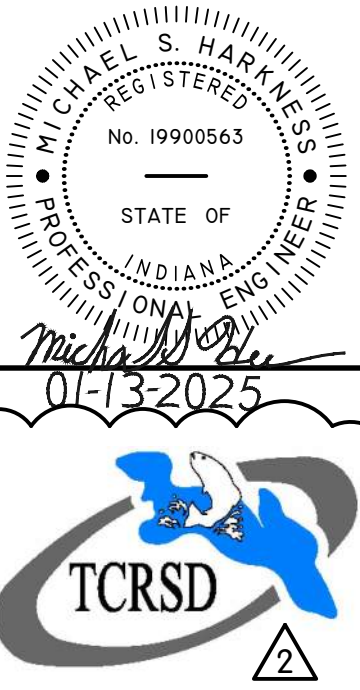


- NOTES:
- THE SLOPE OF THE RAMP TOWARD THE CURB IS PREFERRED TO BE 12:1 OR FLATTER RELATED TO THE HORIZONTAL. IN EXISTING SIDEWALKS, IT MAY BE REDUCED AS FOLLOWS:
A) 10:1 FOR A MAXIMUM RISE OF 6"
B) 8:1 FOR A MAXIMUM RISE OF 3"
C) 6:1 OVER A MAXIMUM 2'-0" FOR HISTORICAL AREAS WHERE A FLATTER SLOPE IS NOT FEASIBLE.
 - THE MINIMUM LENGTH OF PERPENDICULAR RAMP IS 6' FROM THE BACK OF A 6" CURB AND MAY BE INCREASED WHERE FEASIBLE TO OBTAIN A FLATTER RAMP SLOPE OR TO BETTER BLEND WITH THE WALK CONFIGURATION.
 - GUTTER COUNTER SLOPES AT THE FOOT OF PERPENDICULAR CURB RAMPS SHOULD NOT EXCEED 20:1 OVER A DISTANCE OF 2'-0" FROM THE CURB.
 - DETECTABLE WARNINGS (TRUNCATED DOMES) ARE TO BE INSTALLED IN THE LOCATION SHOWN. DIMENSIONS OF THE DOMES ARE 24" FROM THE BACK OF THE CURB BY THE WIDTH OF THE RAMP.
 - DETECTABLE WARNING DEVICES SHALL BE A CAST-IN-PLACE SYSTEM AS MANUFACTURED BY ARMOR-TILE TACTILE SYSTEMS, ADA SOLUTIONS OR APPROVED EQUAL. COLOR SHALL BE RED BRICK.

CURB RAMP DETAILS
NTS



- NOTES:
- DRIVEWAY TYPICAL SECTION:
6" MINIMUM CONCRETE
8" MINIMUM CONCRETE FOR COMMERCIAL DRIVES
3" ASPHALT SURFACE ON 6" AGGREGATE BASE
6" STABILIZED CRUSHED AGGREGATE
 - IF THE DRIVEWAY THROAT OR THE TREE LAWN WIDTH IS >10'-0" PROVIDE EVENLY SPACED PAVEMENT JOINTS AS SHOWN OR AS DIRECTED BY THE ENGINEER.
 - WALKS SHALL BE POURED SEPARATE FROM DRIVES AND SHALL INCLUDE 1/2" EXPANSION JOINT.



**SURFACE RESTORATION
DETAILS**

TURKEY CREEK REGIONAL SEWER DISTRICT
FASCINATION PLACE WATER MAIN IMPROVEMENTS

JPM BY
1 01-28-2026 ADDENDUM 2
NO. DATE REVISIONS AFTER ISSUED FOR BID

Jones & Henry
Engineers, Ltd.



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JOB NO. 868-8305.400

SCALE AS INDICATED

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DESIGNED JPM DRAWN AJB CHECKED MSH

STATUS ISSUED FOR BID

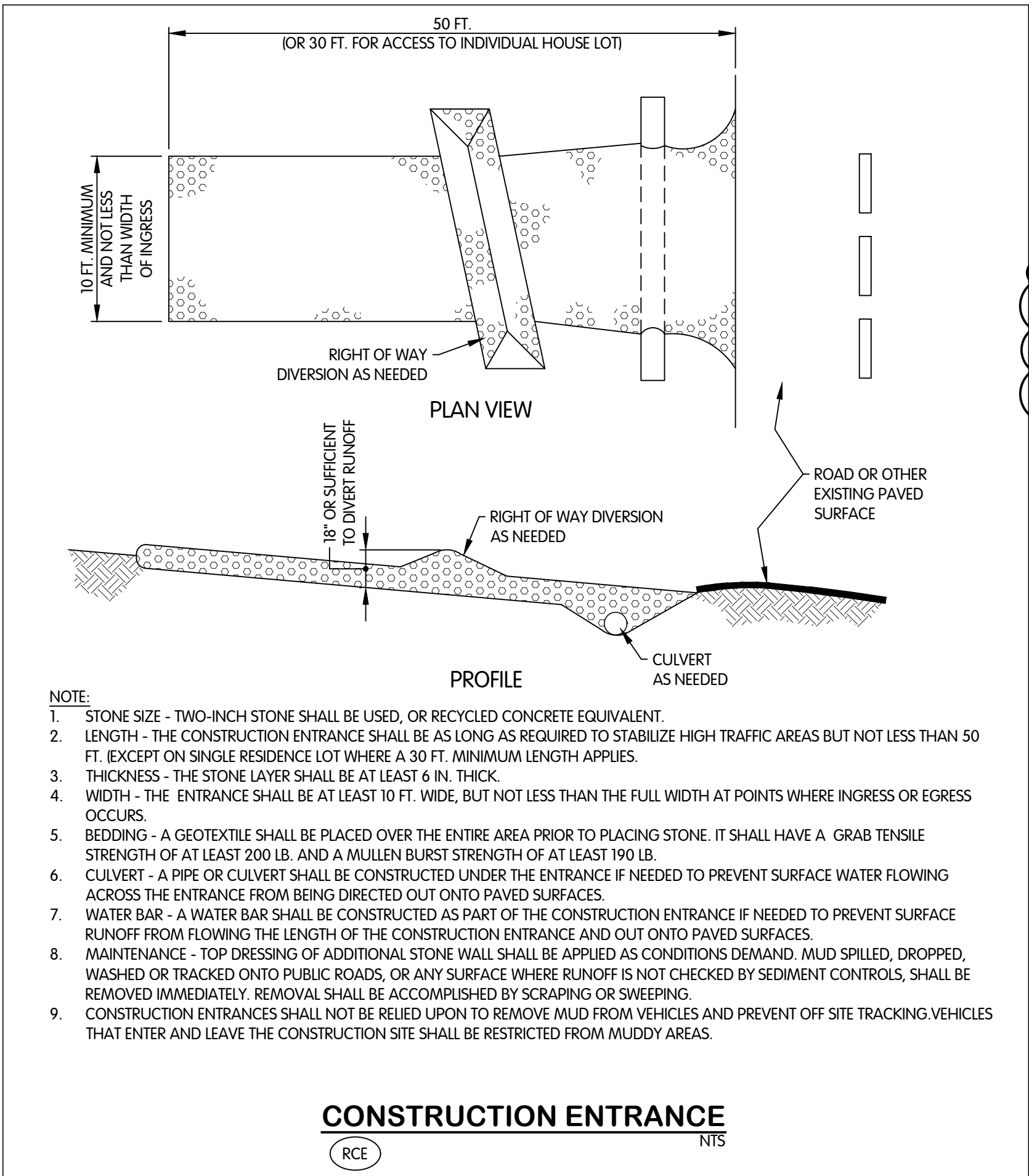
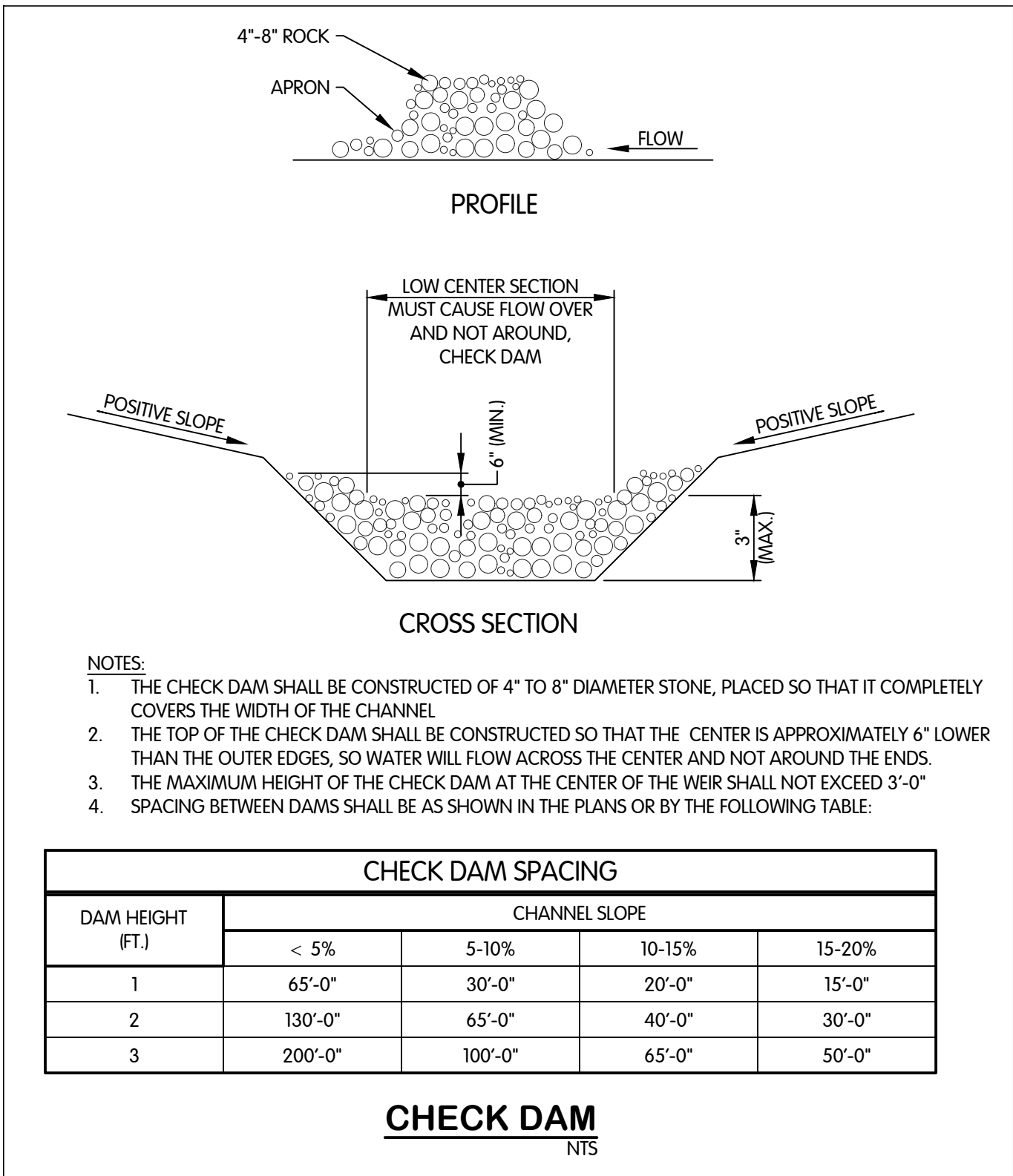
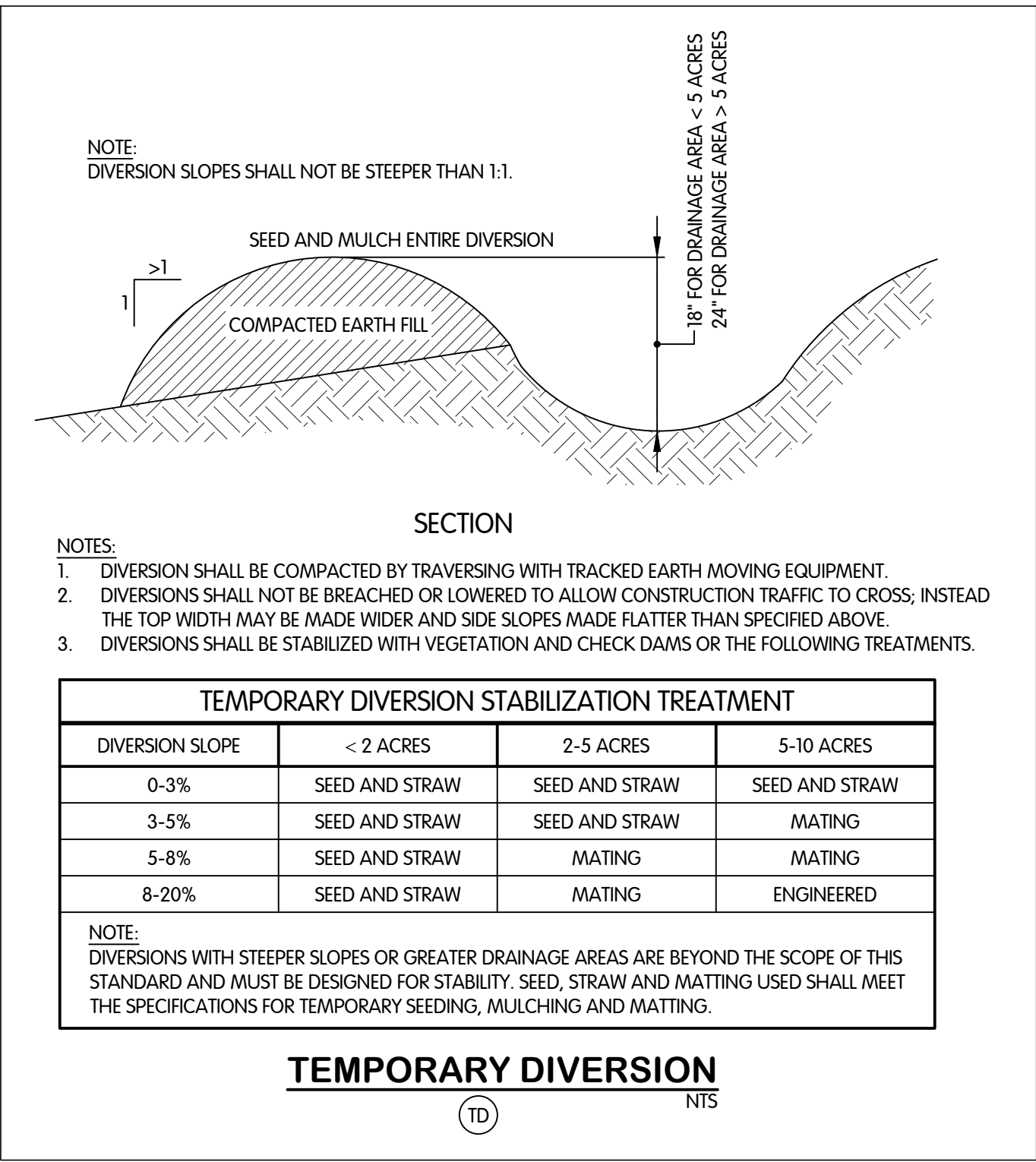
DATE 2026

SHEET NO. 2

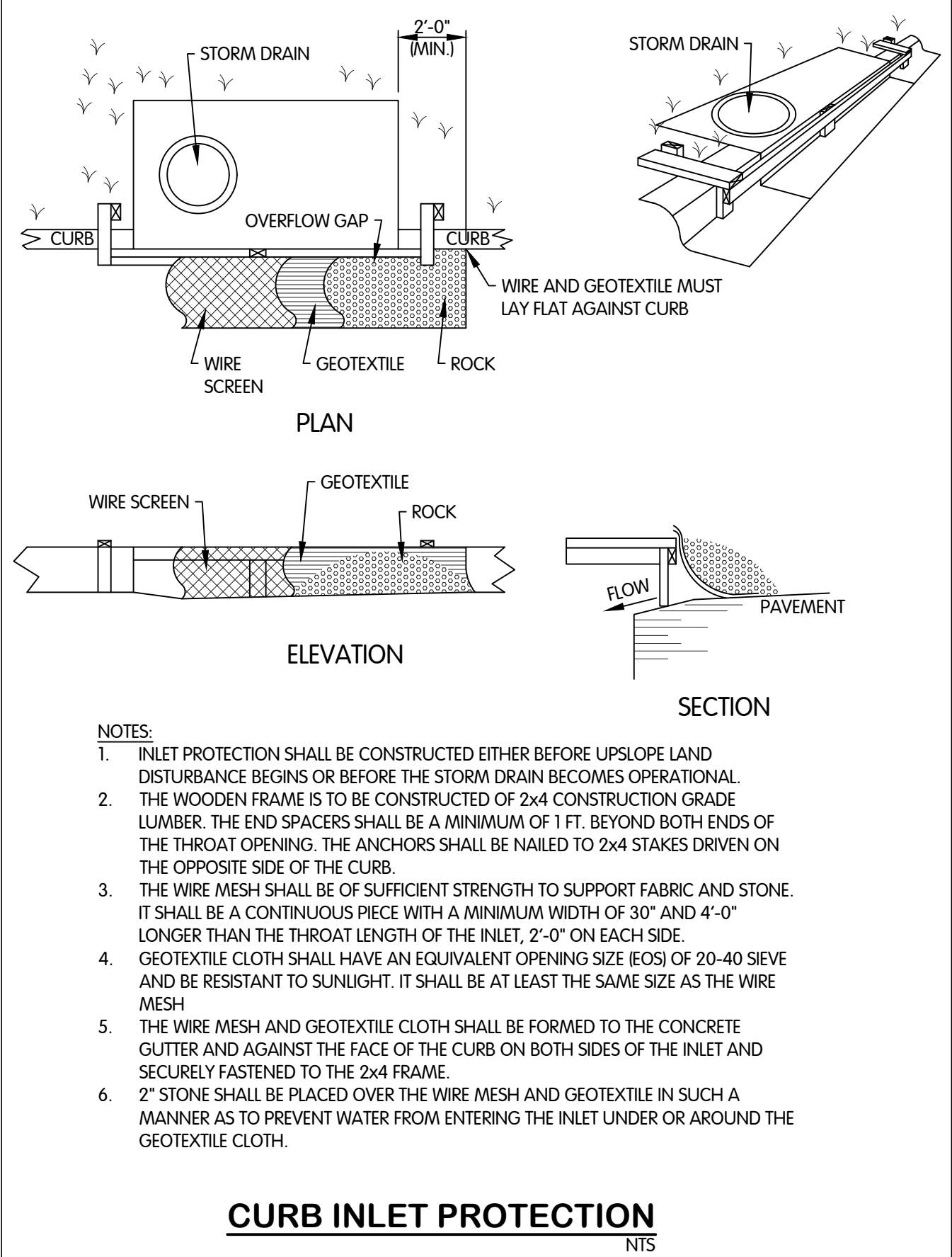
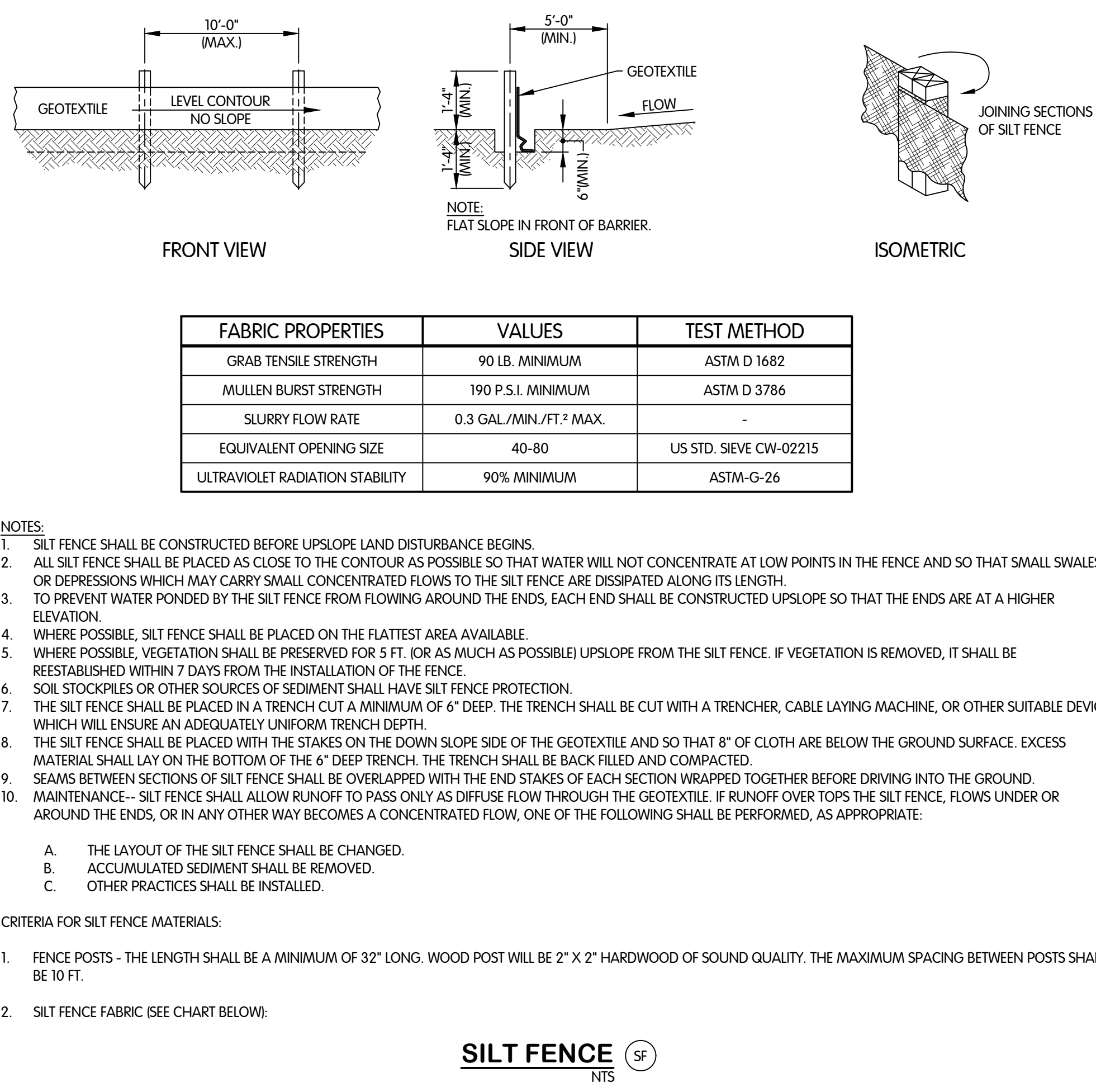
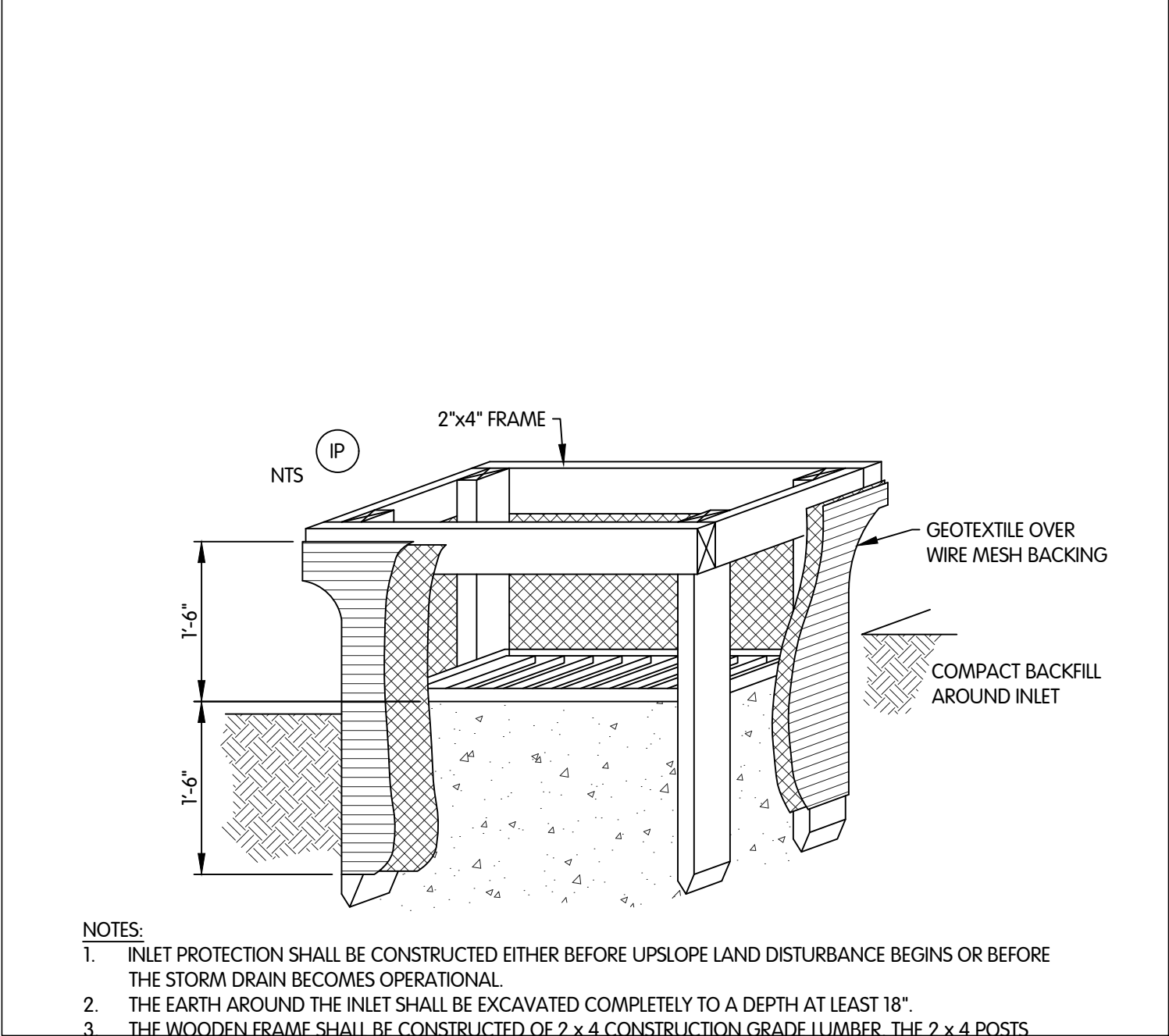
SR-0.2

46 OF 48

FTW-83064.00SR01-SR-0.3 SURFACE RESTORATION DETAILS
1/29/2026 11:34 AM - ABLASING
1/29/2026 11:57 AM



WITHOUT HOODS



REGISTERED PROFESSIONAL ENGINEER
MICHAEL S. HARKER
No. 19900563
STATE OF INDIANA
01-13-2025

TCRSD

SURFACE RESTORATION DETAILS

TURKEY CREEK REGIONAL SEWER DISTRICT
FASCINATION PLACE WATER MAIN IMPROVEMENTS

JPM BY

1 01-28-2026 ADDENDUM 2
DATE

NO.

Jones & Henry Engineers, Ltd.

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SCALE AS INDICATED

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DESIGNED JPM DRAWN AJB CHECKED MSH

STATUS ISSUED FOR BIDS

DATE 2026

SHEET NO. 2

SR-0.3

47 OF 48

