

ADDENDUM NO. 2
TO THE
CONTRACT DOCUMENTS
FOR
RAW WATERLINE REPLACEMENT
FOR
CITY OF WARRENTON

THIS ADDENDUM IS HEREBY MADE A PART OF THE CONTRACT DOCUMENTS TO THE SAME EXTENT AS THOUGH IT WERE ORIGINALLY INCLUDED THEREIN.

BIDDERS MUST ACKNOWLEDGE RECEIPT OF ALL ADDENDA ON THE BID PROPOSAL FORM. BID PROPOSALS THAT FAIL TO ACKNOWLEDGE ALL ADDENDA MAY BE CONSIDERED IRREGULAR AND MAY BE REJECTED.

ISSUED THIS 16TH DAY OF MAY 2022.



MURRAYSMITH
400 E Mill Plain Blvd, Suite 400
Vancouver, WA 98660
(360) 448-4230

ITEM NO. 1 – BID SCHEDULE

Replace the Bid Schedule with the attached Revised Bid Schedule. Descriptions for Bid Items 8 and 9 have been revised replacing “CL50” with “CL52.”

ITEM NO. 2 – SPECIAL PROVISIONS, SECTION 00120.01 RECEIPT OF BIDS; OPENING.

Delete the sentence “Bids will be publicly opened and read by the Public Works Director at **2:00 PM**, local time on **May 24, 2022** at Warrenton City Hall” and replace with the following sentence:

“Bids will be publicly opened and read by the Public Works Director, or authorized designee, at **2:00 PM**, local time on **May 24, 2022**, at the Commission Chambers in Warrenton City Hall.”

ITEM NO. 3 – SPECIAL PROVISIONS – ATTACHMENT NO. 1

In accordance with Special Provisions Section 00170.03, the Agency has applied for a Removal-Fill Permit from the Oregon Department of State Lands. The attached General Conditions and Activity-Specific Conditions for the General Authorization (**SPECIAL PROVISIONS – ATTACHMENT NO. 1**) shall be incorporated as part of the Contract Documents. Contractor shall comply with all applicable conditions. Final terms and conditions will be issued with the Permit.

ITEM NO. 4 – TECHNICAL SPECIFICATIONS – SECTION 33 11 10 WATER UTILITY DISTRIBUTION AND TRANSMISSION PIPING

Add the following to subsection 2.1.B.7.d.4.a:

- (3) “Field-Lok”, United States Pipe and Foundry Company.

ITEM NO. 5 – TECHNICAL SPECIFICATIONS - SECTION 33 11 10.30 HDPE WATER UTILITY PIPING

Replace subsection 2.2.B.8 with the following:

8. Electrofusion Flex Restraint Device shall have a minimal axial resistance rating of 7,000 lbf per saddle and shall be manufactured by Georg Fischer (GF) Central Plastics or approved. Equal.

ITEM NO. 6 – TECHNICAL SPECIFICATIONS - SECTION 40 05 51.18 BUTTERFLY VALVES

Replace subsection 2.2.A.7 with the following:

7. Style: Valve bodies shall be non-wafer style and meet the requirements of AWWA C504, with lay length and end connections as shown on the plans and details.

ITEM NO. 7 – TECHNICAL SPECIFICATIONS - SECTION 40 05 78 MISCELLANEOUS VALVES

Replace subsection 2.5.B.1 with the following:

1. A.R.I. USA Inc., APCO by DeZurik, or approved equal.

ITEM NO. 8 – DRAWINGS, SHEETS C-6 AND C-7.

Replace Construction Drawings, Sheets C-6 and C-7, with the attached revised Sheets C-6 and C-7. Changes include the following:

C-6, DETAIL 3, CONNECT TO EX 24" FRP RW: Added proposed collar thrust block to location indicated.

C-7, DETAIL 4, COLLAR THRUST BLOCK: Added plan view and notes. Updated table with block dimensions, dowels and flex restraints quantity.

END ADDENDUM NO. 2

**REVISED BID SCHEDULE
RAW WATERLINE REPLACEMENT**

Bid Item No.	Description	Quantity	Unit	Unit Price	Bid Amount
1	Mobilization	1	LS		
2	Record Drawings	1	LS		
3	Construction Survey Work	1	LS		
4	Temporary Work Zone Traffic Control	1	LS		
5	Erosion and Sediment Control	1	LS		
6	Tree Removal	1	LS		
7	24-in HDPE (IPS) DR17 Waterline	2,235	LF		
8	18-in DI CL52 Waterline	20	LF		
9	16-in DI CL52 Waterline	20	LF		
10	24-in Butterfly Valve	1	EA		
11	18-in Butterfly Valve	1	EA		
12	16-in Butterfly Valve	1	EA		
13	2-in Combination Air Release/Vacuum Valve Assembly	2	EA		
14	Fire Hydrant Assembly	1	EA		
15	Trench Protection and Dewatering	1	LS		
16	Connection to Existing Waterline	4	EA		
17	Abandon Existing Waterline	1	LS		
18	Stone Surfacing Pad	850	SF		

Total Bid Amount

SPECIAL PROVISIONS - ATTACHMENT NO. 1

[141-089-0650](#)

General Conditions

The following conditions apply to all general authorizations, unless otherwise specified in a specific GA or an authorization issued under a GA:

- (1) **Responsible Party.** The person listed on the notification as the responsible party is responsible for the activities of all contractors or other operators involved in project work covered by the GA.
- (2) **Copy of Approved Notification Available for Inspection.** A copy of the notification approved by the Department must be available at the work site whenever noticed activities are being conducted.
- (3) **Site Access Required.** Employees of the Department and all authorized representatives must be permitted access to the project area at all reasonable times for the purpose of inspecting work performed under a notification.
- (4) **Archeological Resources.** If any archeological sites, resources or artifacts are discovered during construction, work must immediately cease and the State Historic Preservation Office must be contacted.
- (5) **ODFW Fish Passage Requirement.** The activity must meet Oregon Department of Fish and Wildlife requirements for fish passage before the project is started (ORS 509.580 through 509.901 and OAR 635-412-0005 through 635-412-0040).
- (6) **Hazards to Recreation, Navigation and Fishing.** The activity must be timed so as not to interfere with or create a hazard to recreational and commercial navigation and fishing.
- (7) **Work Period in Jurisdictional Areas.** Fill or removal activities below the Ordinary High Water Line must be conducted when recommended by ODFW, unless otherwise coordinated with Oregon Department of Fish and Wildlife and approved in writing by DSL. Work is prohibited when fish eggs are present within the reach where activities are being conducted.
- (8) **Pre-Construction Resource Area Fencing or Flagging.** Prior to any site grading, the boundaries of any avoided wetlands, waterways and riparian areas adjacent to the project site must be surrounded by noticeable construction fencing or flagging. There must be no vegetation removal or heavy equipment within marked areas. The marked areas must be maintained during construction of the project and be removed immediately upon project completion.
- (9) **Erosion Control Methods.** The following erosion control measures must be installed at the construction site prior to construction and maintained during and after construction to prevent erosion and minimize movement of soil into waters of this state:
 - (a) All exposed soils must be stabilized during and after construction in order to prevent erosion and sedimentation;
 - (b) Filter bags, sediment fences, sediment traps or catch basins, leave strips or berms, or other measures must be used to prevent movement of soil into waterways and wetlands;
 - (c) To prevent erosion, use of compost berms, impervious materials or other equally effective methods, must be used to protect soil stockpiled during rain events or when the stockpile site is not moved or reshaped for more than 48 hours;
 - (d) Unless part of the permanent fill, all construction access points through, and staging areas in, riparian and wetland areas must use removable pads or mats to prevent soil compaction. However, in some wetland areas under dry summer conditions, this requirement may be waived upon approval by DSL. At project completion, disturbed areas with soil exposed by construction activities must be stabilized by mulching and native vegetative plantings/seeding. Sterile grass may be used instead of native vegetation for temporary sediment control if native vegetation is unavailable. If soils are to remain exposed for more than seven days after completion of the permitted work, they must be covered with erosion control pads, mats or similar erosion control devices until vegetative stabilization is installed;
 - (e) Where vegetation is used for erosion control on slopes steeper than 2:1, tackified seed mulch must be used so the seed does not wash away before germination and rooting;

SPECIAL PROVISIONS - ATTACHMENT NO. 1

(f) Dredged or other excavated material must be placed on upland areas having stable slopes and must be prevented from eroding back into waterways and wetlands;

(g) Erosion control measures must be inspected and maintained as necessary to ensure their continued effectiveness until soils become stabilized; and

(h) All erosion control structures must be removed when the project is complete and soils are stabilized and vegetated.

(10) Hazardous, Toxic, and Waste Material Handling. Petroleum products, chemicals, fresh cement, sandblasted material and chipped paint, wood treated with leachable preservatives or other deleterious waste materials must not be allowed to enter waters of this state. Machinery refueling is to occur at least 150 feet from waters of this state and confined in a designated area to prevent spillage into waters of this state. Barges must have a containment system to effectively prevent petroleum products or other deleterious material from entering waters of this state. Project-related spills into waters of this state or onto land with a potential to enter waters of this state must be reported to the Oregon Emergency Response System (OERS) at 1-800-452-0311.

(11) Raising or Redirecting Water. The project must not cause water to rise or be redirected and result in damage to structures or property.

(12) Waste Disposal. Old piling and other waste material discarded by the project must be disposed of in an appropriate disposal facility. There must be no temporary storage of piling or other waste material below top of bank, in any wetland, Federal Emergency Management Administration designated floodway, or an area historically subject to landslides.

(13) DSL May Halt or Modify. DSL retains the authority to temporarily halt or modify the project in case of unforeseen damage to natural resources.

(14) Work Area Isolation. The work area must be isolated from the water during construction. All structures and materials used to isolate the work area must be removed immediately following construction and water flow returned to pre-construction conditions. All fish must be salvaged from the isolated area in accordance with Oregon Department of Fish and Wildlife requirements.

(15) Spoil Disposal. Spoil materials, not used in the project, must be placed in an upland location. Spoil materials used in the project must be included in the cumulative removal-fill calculation for the activity.

Statutory/Other Authority: ORS 196.600 - 196.692 & 196.795 - 196.990

Statutes/Other Implemented: ORS 196.600 - 196.692 & 196.795 - 196.990

History:

DSL 3-2012, f. 9-28-12, cert. ef. 9-29-12

DSL 2-2011, f. & cert. ef. 3-1-11

141-089-0715

Temporary Impacts to Non-Tidal Wetlands - Activity-Specific Conditions

Projects eligible for this GA must adhere to the general conditions in OAR 141-089-0650 and the following activity-specific conditions:

- (1) Temporary Impact Rectification. Rectification of temporary impacts includes re-establishment of pre-existing contours and pre-existing vegetation.
- (2) Timing of Temporary Impact Rectification. Re-establishment of pre-construction contours and planting to re-vegetate temporarily disturbed areas must be completed within 24 months of the initial impacts. However, if the temporary impact requires only one construction season, site rectification must be completed within the same construction season as the temporary impact. Planting must include species of sufficient number, spacing, and diversity to replace affected aquatic functions.
- (3) Post-Construction Report Required. Within two years of planting, a report must be submitted to the Department. The report must include:
 - (a) Data plots, according to OAR 141-090, to confirm that the wetland area impacted by the project meets wetland criteria; and
 - (b) Photos taken at the previously established photo points.
- (4) Protection of Ground Surface. Before placing temporary fill in wetlands, fabric must be placed to allow complete removal of all temporary materials from the wetlands. If necessary to assist with removal of the fill, chain link fence or similar material may be placed under the fill. All fabric, fencing and other materials must be completely removed at project completion.
- (5) Stockpile Topsoil. When trenching, the upper 12 inches of topsoil must be removed and stockpiled separately from subsurface soils and used as the final layer in backfilling.
- (6) Prevent Hydraulic Piping. The project must be constructed to prevent underground hydraulic piping to dewater the site or adjacent wetlands. If the native underlying soils are not used as bedding material, and a coarser, non-native soil or other material is used, preventive measures must be used such as restoration of the restrictive layer and placement of clay or other impermeable plugs. Such plugs must be placed at each wetland boundary.

Statutory/Other Authority: ORS 196.600 - 196.692 & 196.795 - 196.990

Statutes/Other Implemented: ORS 196.600 - 196.692 & 196.795 - 196.990

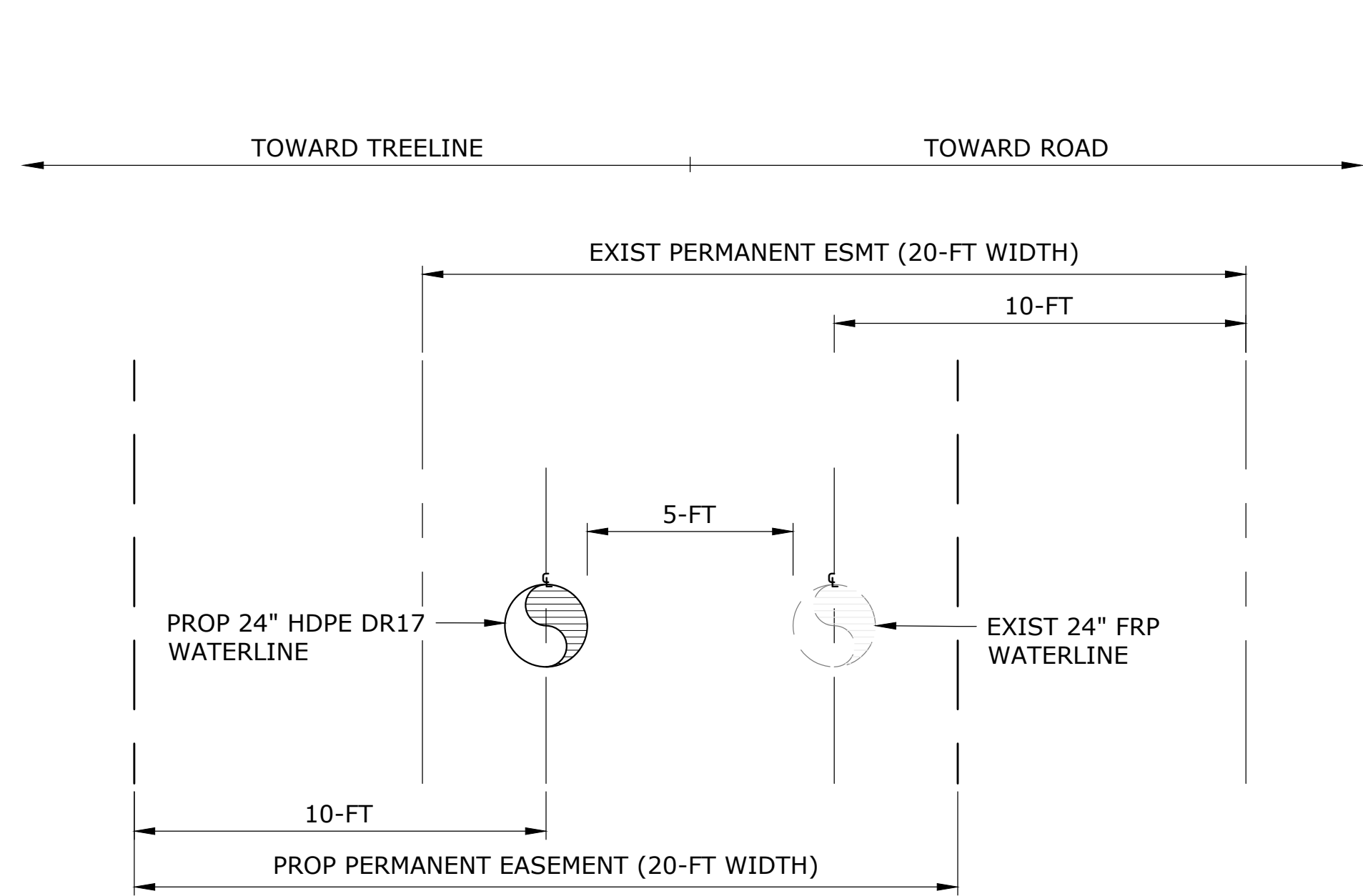
History:

[DSL 12-2018, minor correction filed 01/03/2018, effective 01/03/2018](#)

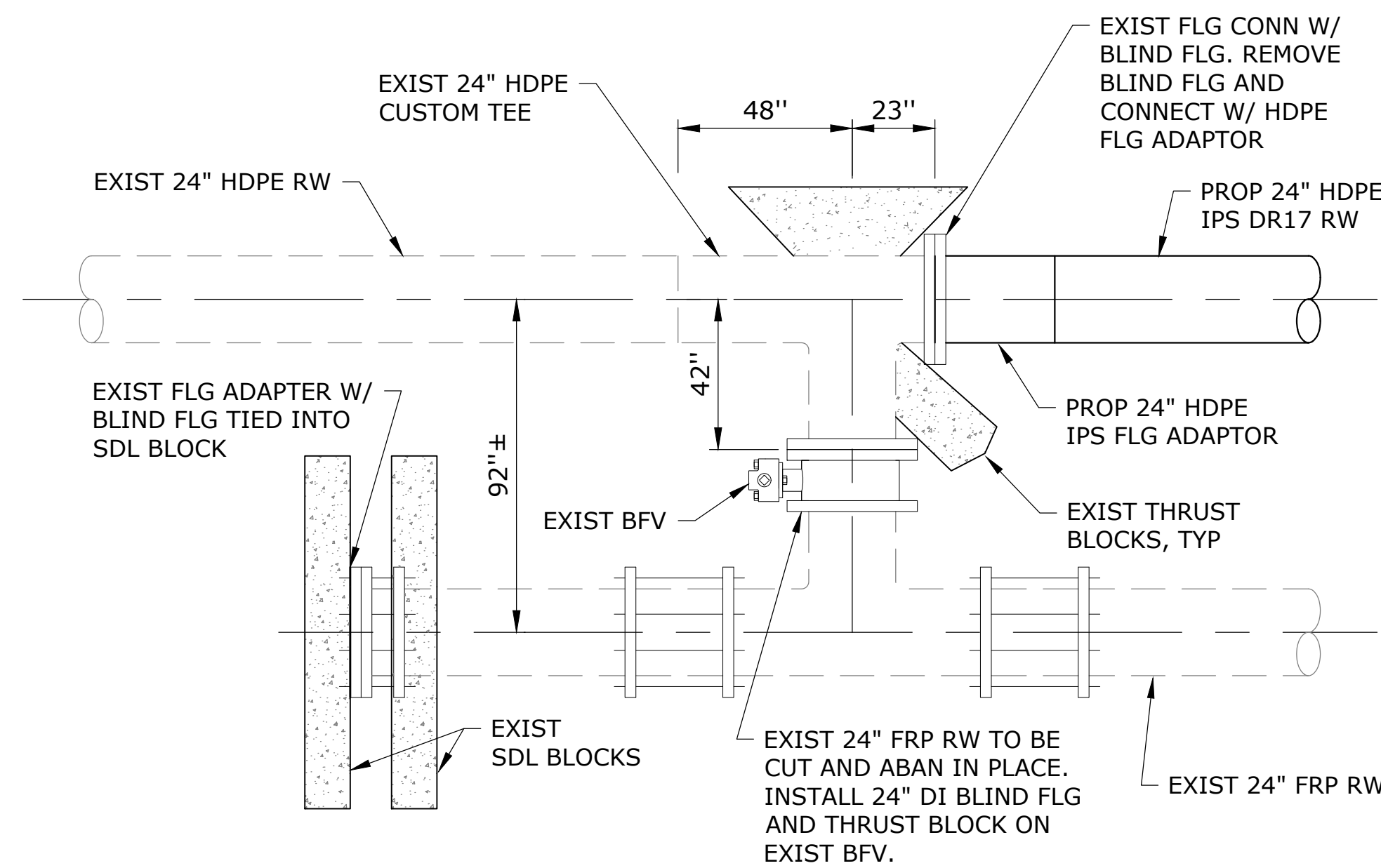
DSL 3-2012, f. 9-28-12, cert. ef. 9-29-12

DSL 2-2011, f. & cert. ef. 3-1-11

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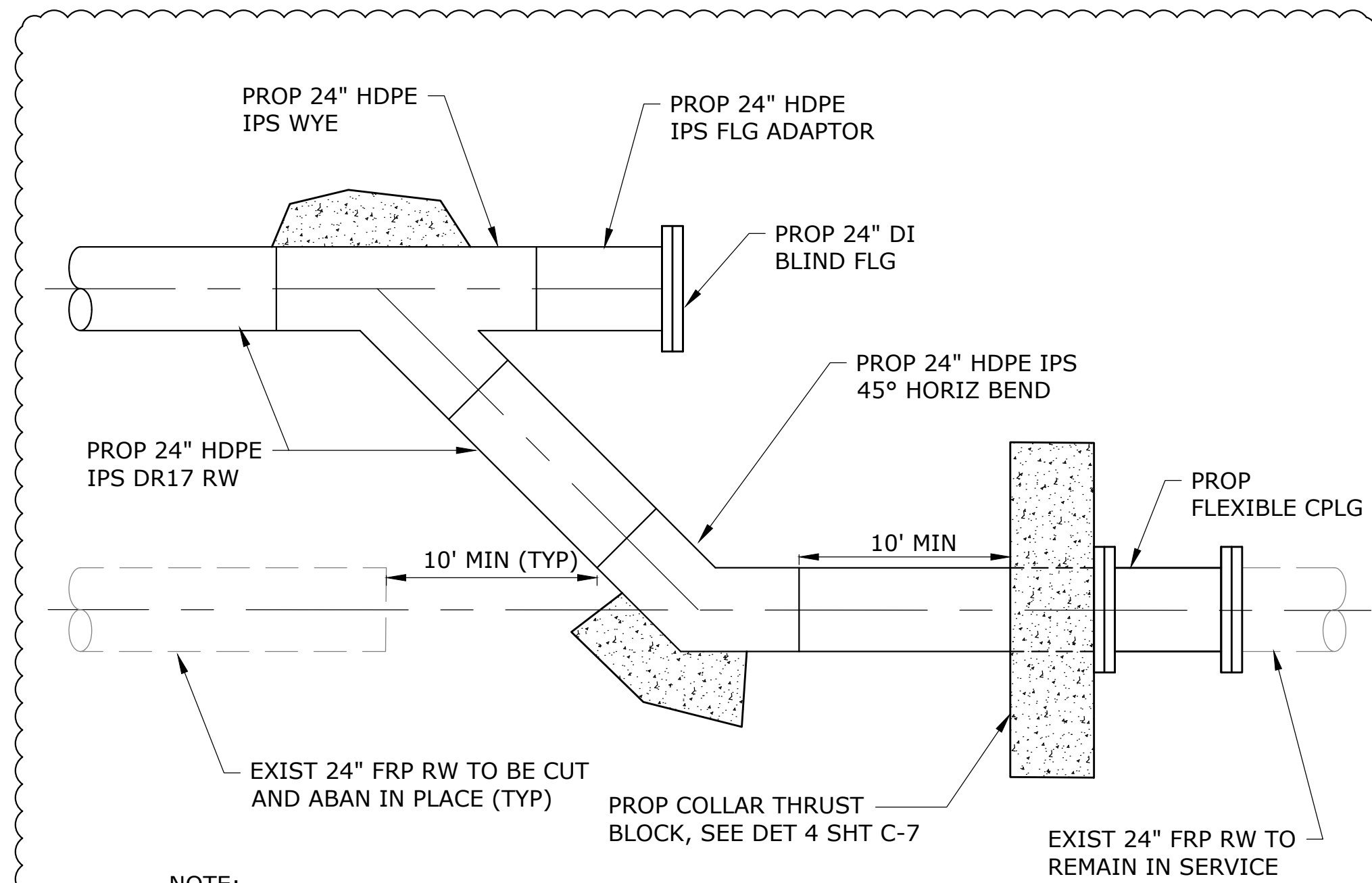


WATERLINE PLACEMENT 1
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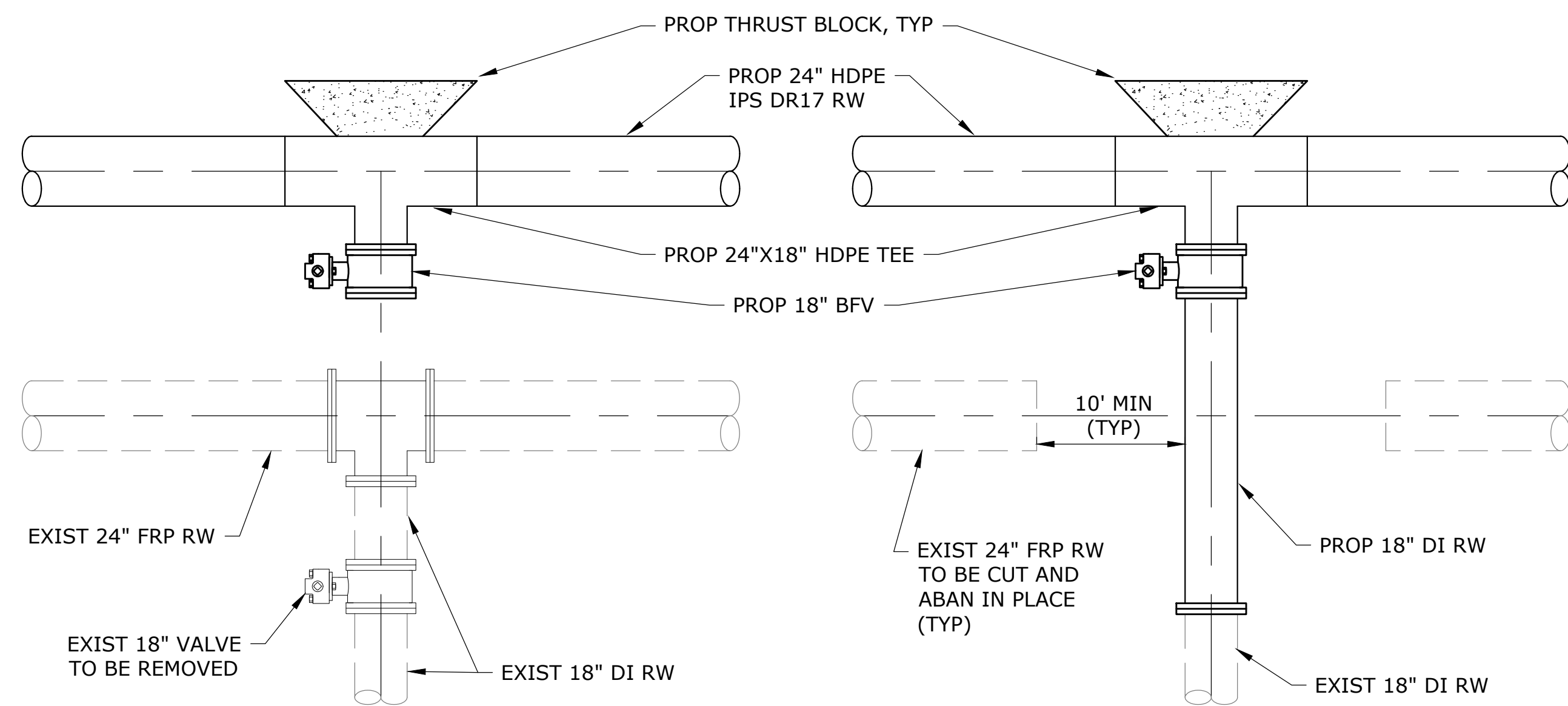
NOTE:
1. DURING POTHOLING OF EXIST 24" FRP RW, CONTRACTOR SHALL VERIFY LOC OF EXIST PIPE AND FITGS REQD FOR CONNECTION WORK. REPORT ANY DISCREPANCIES TO ENGINEER AND SUBMIT ADJUSTMENTS TO CONNECTION WORK FOR APPROVAL.

CONNECT TO EX 24" HDPE RW 2
SCALE: NTS



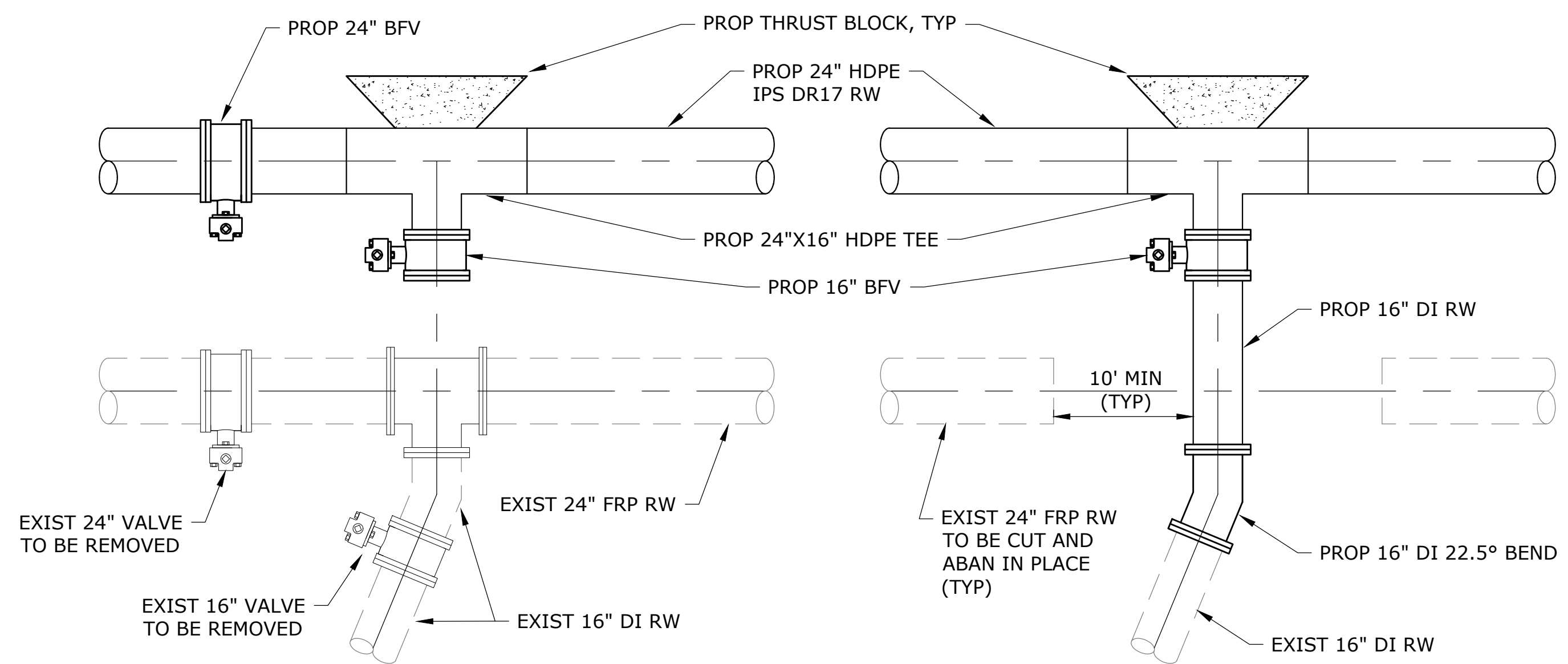
NOTE:
1. DURING POTHOLING OF EXIST 24" FRP RW, CONTRACTOR SHALL VERIFY LOC OF EXIST PIPE AND FITGS REQD FOR CONNECTION WORK. REPORT ANY DISCREPANCIES TO ENGINEER AND SUBMIT ADJUSTMENTS TO CONNECTION WORK FOR APPROVAL.

CONNECT TO EX 24" FRP RW 3
SCALE: NTS



NOTES:
1. DURING POTHOLING OF EXIST 24" FRP RW, CONTRACTOR SHALL VERIFY LOC OF EXIST PIPE AND FITGS REQD FOR CONNECTION WORK. REPORT ANY DISCREPANCIES TO ENGINEER AND SUBMIT ADJUSTMENTS TO CONNECTION WORK FOR APPROVAL.
2. SEE DET 5, SHT C-8 FOR HDPE TO DI TRANSITIONS.

CONNECT TO EX 18" DI RW 4
SCALE: NTS



NOTES:
1. DURING POTHOLING OF EXIST 24" FRP RW, CONTRACTOR SHALL VERIFY LOC OF EXIST PIPE AND FITGS REQD FOR CONNECTION WORK. REPORT ANY DISCREPANCIES TO ENGINEER AND SUBMIT ADJUSTMENTS TO CONNECTION WORK FOR APPROVAL.
2. SEE DET 5, SHT C-8 FOR HDPE TO DI TRANSITIONS.

CONNECT TO EX 16" DI RW 5
SCALE: NTS

NO.	DATE	BY	REVISION
1	05/16/22	ATM	ADDENDUM NO. 2

NOTICE
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IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

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RAW WATERLINE REPLACEMENT

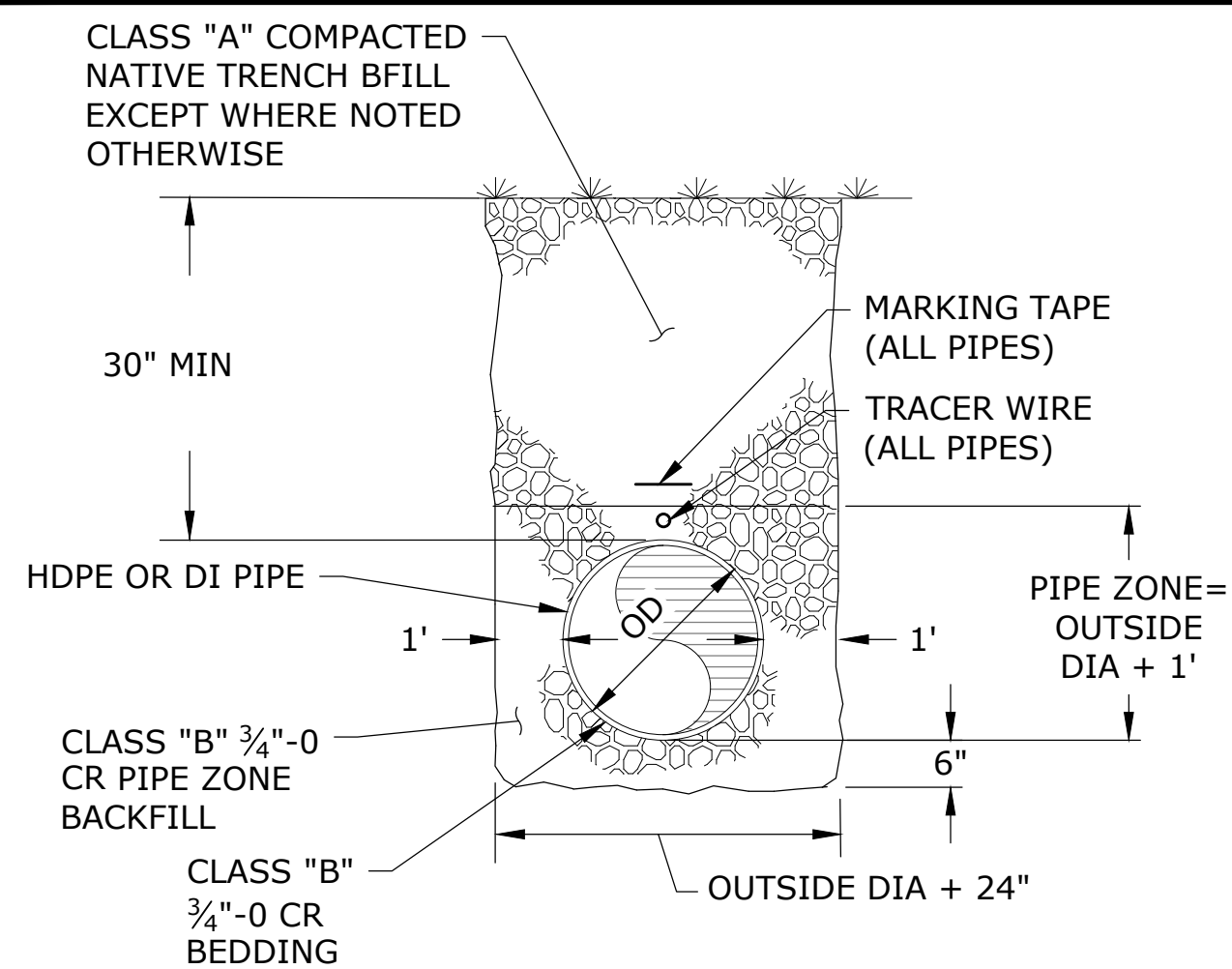
STANDARD AND MISCELLANEOUS DETAILS-1

SHEET

C-6

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NOTES:

- FURNISH AND INSTALL CLASS "B" 3/4"-0" CRUSHED ROCK BEDDING AND PIPE ZONE BACKFILL COMPACTED TO 95% OF MAXIMUM DENSITY PER AASHTO T-99. FURNISH AND INSTALL CLASS "A" NATIVE TRENCH BACKFILL COMPACTED TO 95% MAXIMUM DENSITY PER AASHTO T-99.
- FINISH TRENCH SURFACE TO MATCH ORIGINAL CONTOURS. REPLACE EXISTING LANDSCAPE WITH GRASS SEED PER SPECIFICATIONS.
- SURFACE RESTORATION IN WETLANDS SHALL BE PER DETAIL 2, THIS SHEET.

**SINGLE PIPE TRENCH DETAIL
OUTSIDE OF ROADWAYS AND DRIVEWAYS**

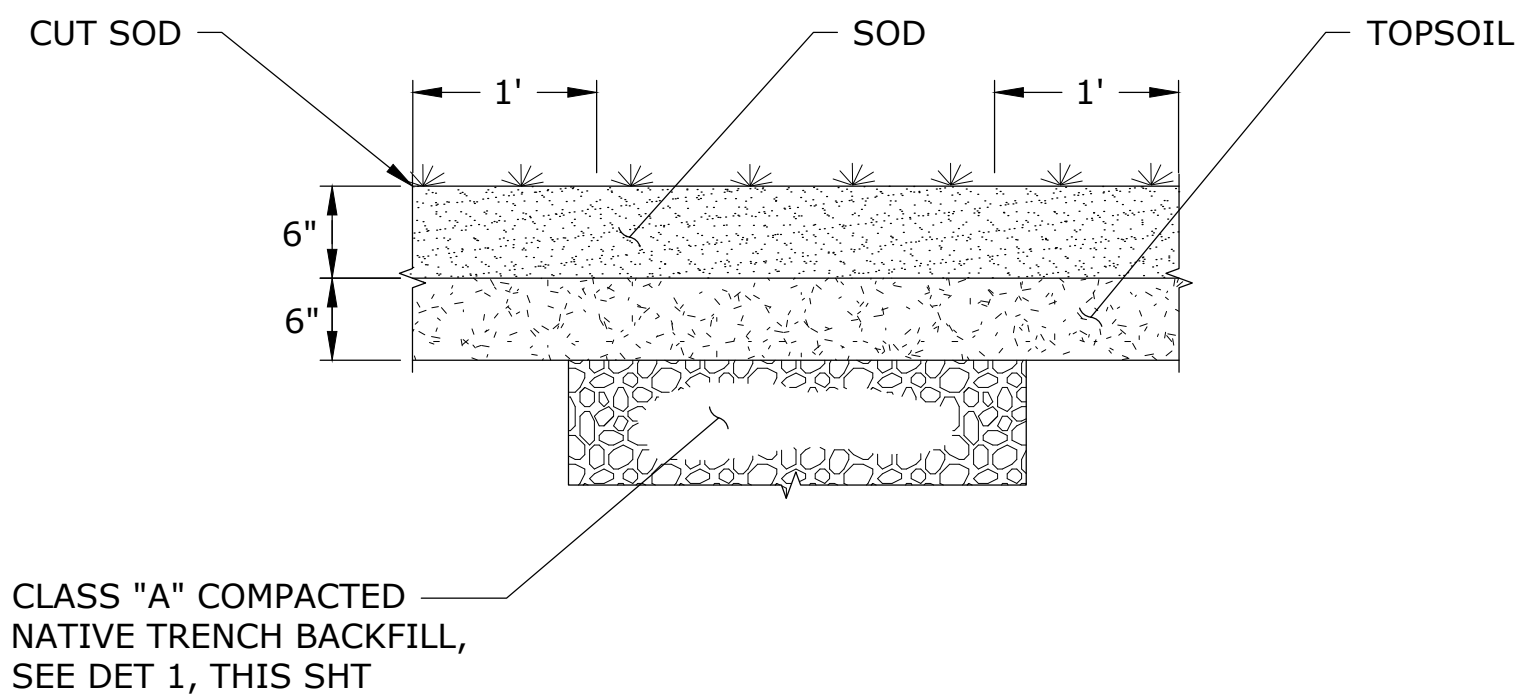
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**TYPICAL WETLANDS AND GRASS AREAS
SURFACE RESTORATION**

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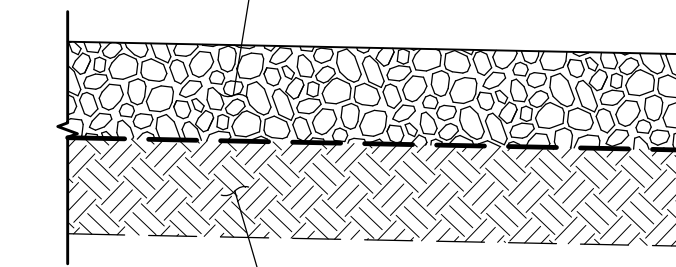
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NOTES:

- NON-PAVED SURFACES SHALL BE RESURFACED TO MATCH EXISTING. FINISH TRENCH SURFACE TO MATCH ORIGINAL CONTOURS. REPLACE EXIST LANDSCAPING.
- CUT SOD WITH SOD HARVESTING EQUIPMENT AND STOCKPILE BESIDE TRENCH.
- EXCAVATE TOPSOIL AND STOCKPILE BESIDE TRENCH, SEPARATE FROM SOD.
- PROTECT EXIST WETLANDS AND GRASS AREAS WITH GEOTEXTILE BENEATH STOCKPILES.
- FURNISH AND INSTALL CLASS "A" NATIVE TRENCH BACKFILL TO 1' BELOW FINISH GRADE COMPACTED TO 95% MAXIMUM DENSITY PER AASHTO T-99.
- REPLACE TOPSOIL AND STOCKPILED SOD TO MATCH ORIGINAL LANDSCAPE AND CONTOURS.

12" THK, 3/4"-0 COMPACTED CRUSHED QUARRY ROCK, COMPACTED TO AT LEAST 95% OF MAX DENSITY PER AASHTO T-99 OVER MIRAFI 500X GEOTEXTILE OR APPVD EQ



COMPACTED SUBGR (UNDISTURBED NATIVE MATERIAL), COMPACT TO 90% OF MAX DENSITY PER AASHTO T-99, SEE NOTE 1

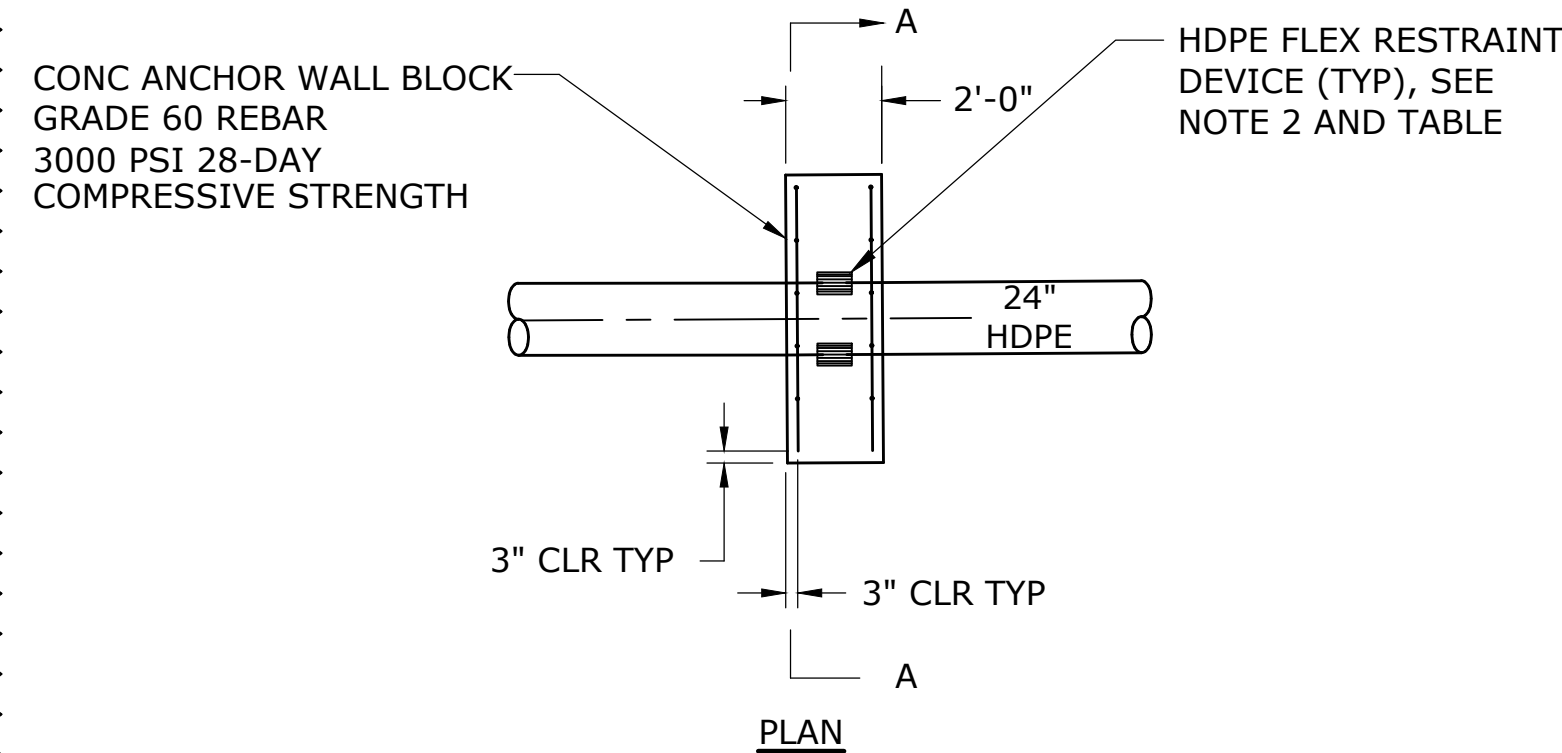
NOTES:

- ALL PREPARED SUBGRADE SHALL BE FIRM, UNDISTURBED SUBGRADE OBSERVED AND APPROVED BY THE ENGINEER.

GRAVEL SURFACING SECTION

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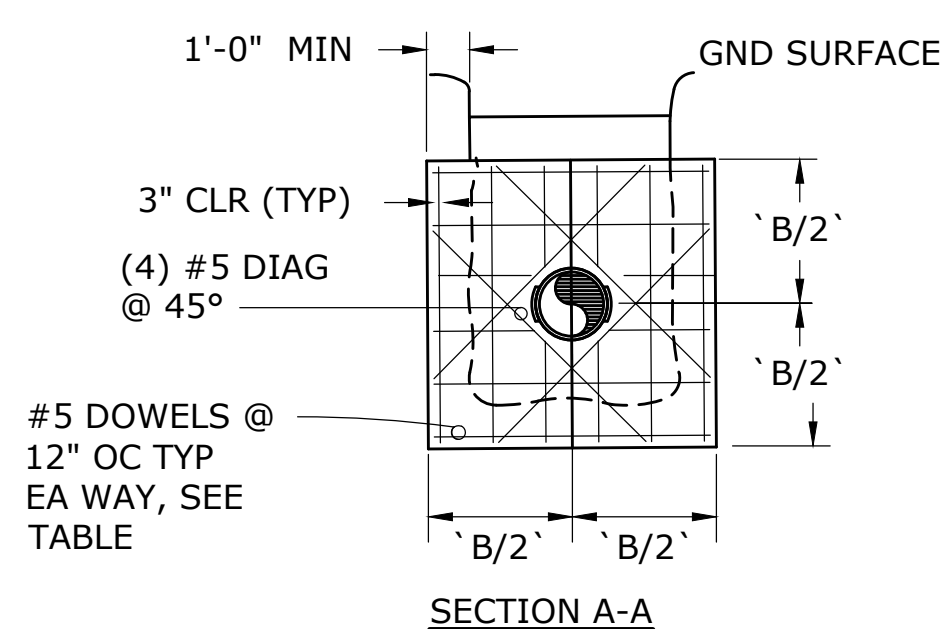
NOTES:

- CONCRETE ANCHOR WALL BLOCKING SHALL BE POURED AGAINST UNDISTURBED EARTH ON SIDES & BOTTOM OR 95% COMPACTED GRANULAR BACKFILL.
- HDPE FLEX RESTRAINT DEVICES TO BE ATTACHED BY THE METHOD OF ELECTROFUSION TO EXTERIOR SIDES OF HDPE PIPE, EVENLY SPACED AROUND THE PIPE, AND PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE A MINIMUM OF 3" OF CONCRETE COVER OVER RESTRAINT DEVICE WITHIN ANCHOR BLOCK. SEE SPECIFICATION SECTION 33 11 10.30.

COLLAR THRUST BLOCK

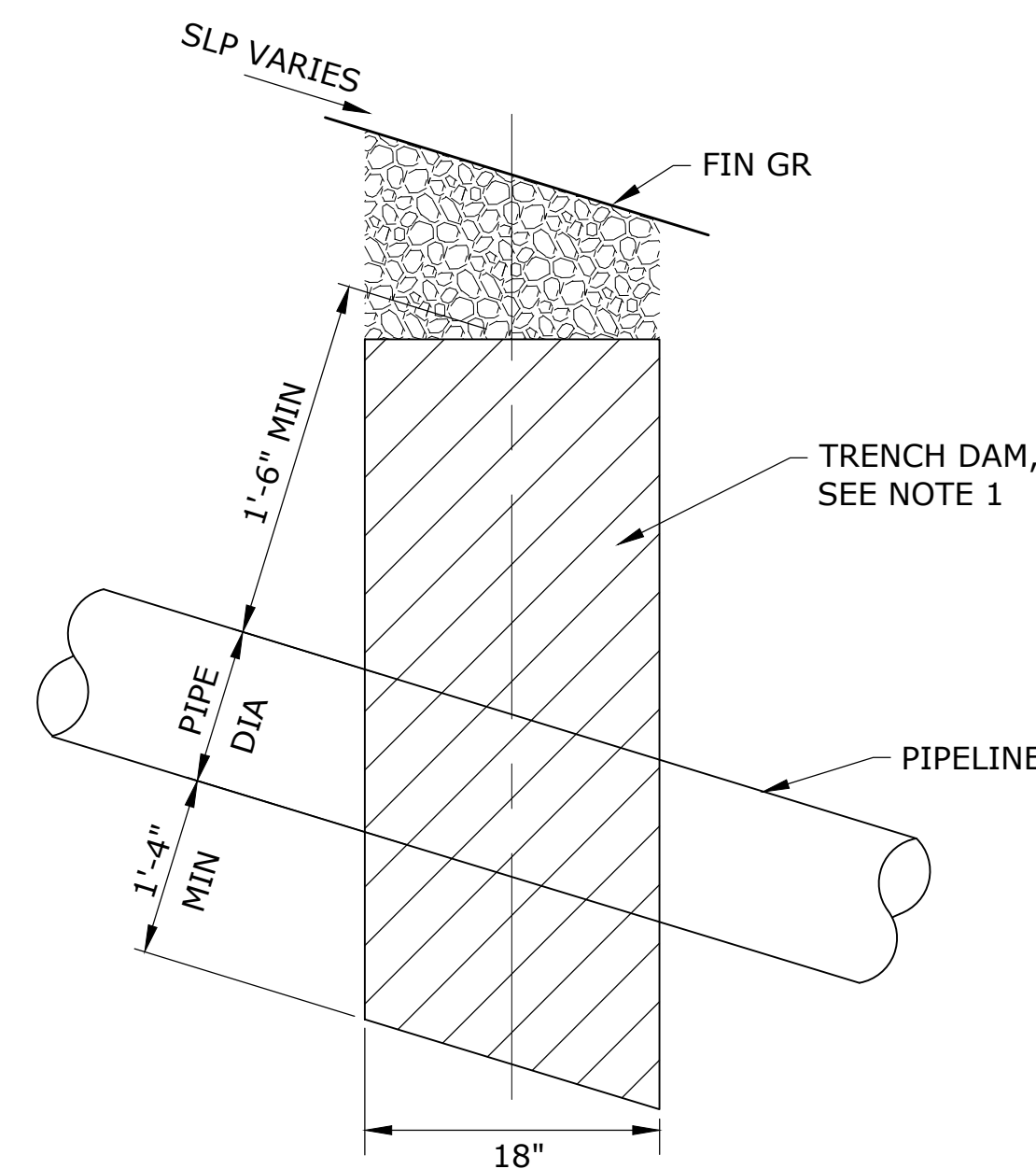
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PIPE SIZE (IN)	COLLAR THRUST BLOCKS DIM B (FT)	NO. OF #5 DOWELS, NO. OF HORIZ= NO. OF VERT	NO. OF FLEX RESTRAINT DEVICES
24	8	18	7

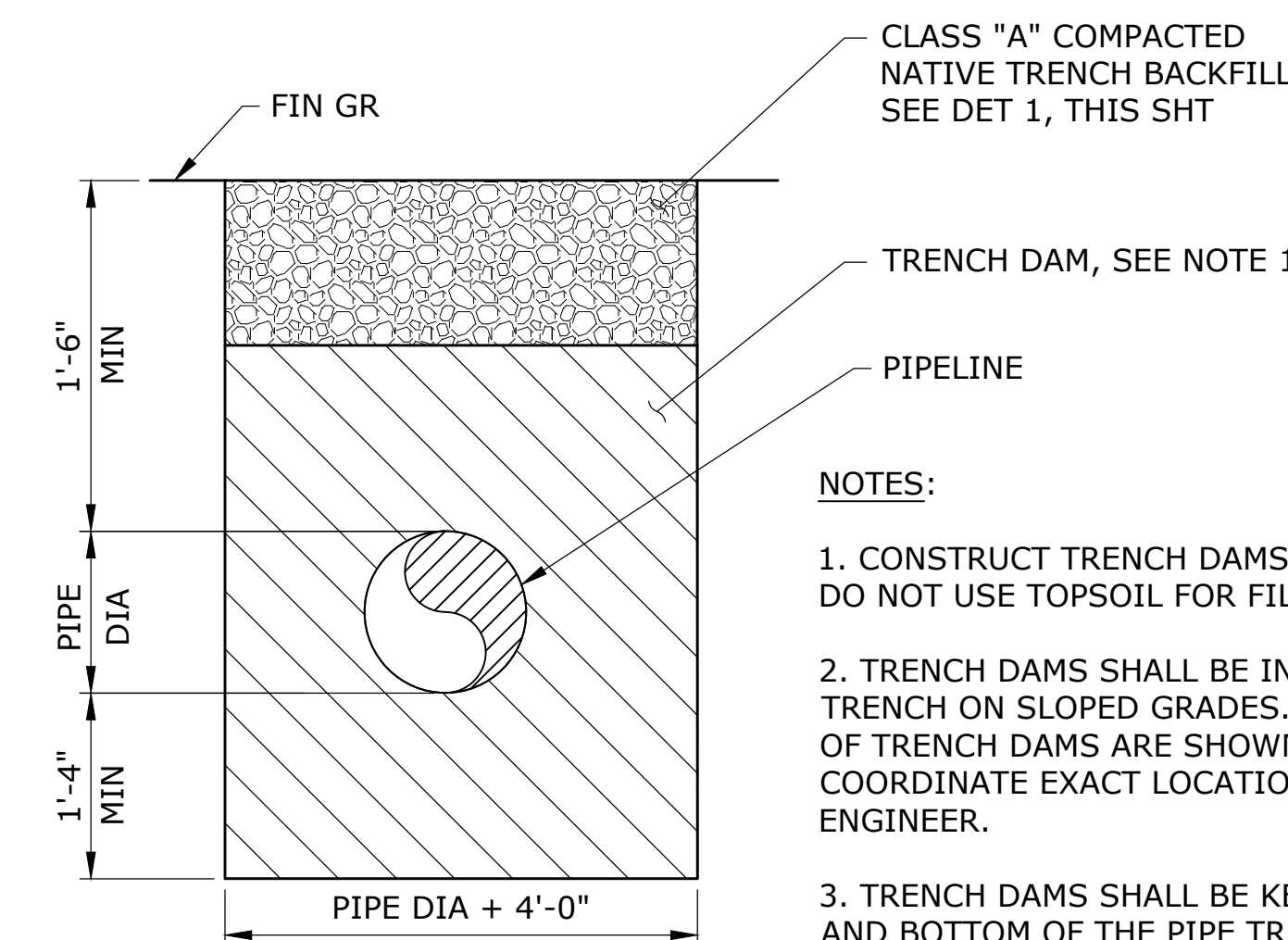
*BASED ON 125 PSI TEST PRESSURE



TYPICAL TRENCH DAM

SCALE: NTS

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NOTES:

- CONSTRUCT TRENCH DAMS WITH BENTONITE, DO NOT USE TOPSOIL FOR FILLING BENTONITE.
- TRENCH DAMS SHALL BE INSTALLED IN PIPELINE TRENCH ON SLOPED GRADES. APPROX LOCATION OF TRENCH DAMS ARE SHOWN ON PLAN SHEETS. COORDINATE EXACT LOCATION W/ FIELD ENGINEER.
- TRENCH DAMS SHALL BE KEYED INTO THE SIDES AND BOTTOM OF THE PIPE TRENCH A MINIMUM OF 1-FOOT ON ALL SIDES.

NO.	DATE	BY	REVISION
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NOTICE
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IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

BRF DESIGNED
CAD DRAWN
ATM CHECKED



RAW WATERLINE REPLACEMENT

STANDARD AND MISCELLANEOUS DETAILS-2

PROJECT NO.: 21-3108.0400 SCALE: AS SHOWN DATE: APRIL 2022

SHEET
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