



Village of Sackets Harbor
Water Treatment Facility – New Water Intake
and Seawall Replacement Project
Project No. 2014-094

Addendum No. 3
March 29, 2024

This addendum is hereby made part of the Contract Documents as though it were originally included therein and must be acknowledged by the bidder in the proper place on the bid form.

Project Manual

1. Reference Technical Specifications

a. Specification Section 33 1416 Site Water Utility Distribution Piping.

i. REPLACE Paragraph 2.01 C.1 with the following:

- 1. HDPE piping conform to AWWA C901 and 906 and be PE 4710 in Accordance with ASTM D 3350 (minimum 250 PSI rating). Raw Water Intake Piping to be DR-9 DIPS, contractor to provide NSF-61 certification.**

Project Drawings

1. Reference AD2/D-1 – Site Details

- a. DELETE Sheet AD2/D-1 and REPLACE with the attached Sheet AD3/D-1.**

Please see attached Request for Information (RFI) Question and Answer Log for RFI responses to date.

Respectfully submitted,

BERNIER, CARR & ASSOCIATES, ENGINEERS, ARCHITECTS AND LAND SURVEYORS, P.C.

Timothy J. Barber, P.E.
Associate / Civil Engineer

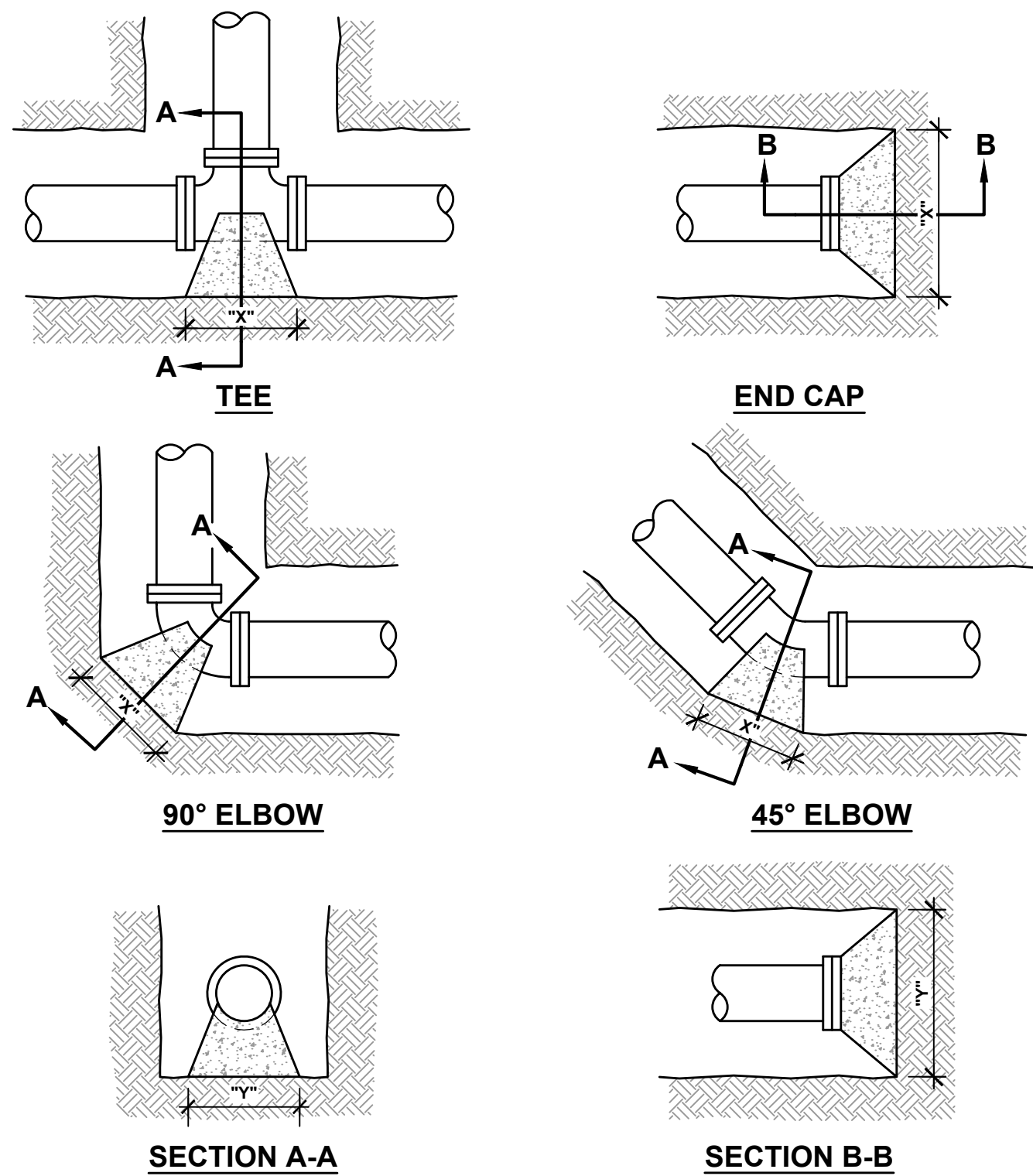
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Status	RFI ID	Subject	Question	Answer	Closed
Closed	00001	Village of Sackets Harbor WTF New Water Intake and Seawall Replacement Project	<p>Tim,</p> <p>Can you please clarify what the MWBE goals/requirements are for this project?</p> <p>Thank you,</p>	See Addendum No. 1	3/14/2024
	00002	NEW WATER INTAKE AND SEAWALL REPLACEMENT AT WATER TREATMENT FACILITY VILLAGE OF SACKETS HARBOR	<p>Hello,</p> <p>Can you please provide the contact info for the MBO? I'm having a difficult time figuring out the percentage for MWBE participation. Thanks!</p>	Please See Addendum No. 1	3/14/2024
	00003	Sackets Project	<p>Hey Tim,</p> <p>I'm working on the Sackets intake project, and I'm trying to find a spec for the T-Lock access hatch closure by Turns Tube technologies on the pig launch assembly.</p> <p>Do you have a model number you are looking for?</p> <p>Also, the 18" gate valve spec does not clarify if they need bevel gearing or not. Typically with a valve 14" and larger, it is recommended as they can be harder to operate without.</p> <p>Thanks,</p>	Please see attached Addenda No. 2	3/22/2024
	00004	DEC Terms and Conditions	<p>In the DEC Program Specific Terms and Conditions Section VI attached to Addendum No. 1, there is language stating that the Contractor is fully responsible of properly operating and maintaining the Project for 30 years after completion. Is this something expected of the awarded contractor to uphold?</p>	Contractor in the context of this paragraph is the Owner (Village of Sackets Harbor). The Construction Contractor shall provide a one year warranty in accordance with the contract documents.	3/29/2024

Status	RFI ID	Subject	Question	Answer	Closed
	00005	HDPE Pipe Specification	<p>Please see the [Paragraph] below from ISCO Industries regarding the HDPE pipe specification. Please also note that Varitech has raised the same concerns about the pipe specification in that C905 can be met using DR 11 pipe and that if the 160 PSI is the controlling factor that this can be met using DR 13.5 pipe. As HDPE is sold by weight and DR9 is considerably heavier than either DR 11 or DR 13.5, this is a significant cost driver.</p> <p>Specs for the HDPE piping is very outdated. They list a resin spec of PE3608 which hasn't been in circulation since about 2010. They also go on to say the pipe needs to be AWWA C905 compliant and specifically call out DR 9 because that was required to meet AWWA C905 back when the resin was 3608, but the newest PE4710 resin changed the C905 requirement from DR 9 to DR 11. So in order to comply with the AWWA aspect of the spec, I have quoted a DR 11 option however, they also called out 160 PSI which DR 13.5 is rated for, so I included that too since that is cheaper.</p> <p>In addition, the MJ adapters shown between the 18" DIP to 20" HDPE, and the 20" HDPE to 16" DIP at the intake structure cannot be used without some reduction either on the HDPE or DIP side. Please advise.</p> <p>Please call me or reach out directly to either ISCO or Varitech on this issue. I am also expecting a quote from EJ Prescott, but they have not flagged the issue yet, however I would like to clarify this for all of the suppliers.</p> <p>Thank you for your attention to this matter.</p> <p>Sincerely,</p>	Refer to Addendum No. 3. HDPE to be in accordance with AWWA C906 including PE 4710. HDPE piping shall be DR-9.	3/29/2024
	00006	Drilling Fluids	<p>Tim,</p> <p>Please see below questions for clarification,</p> <ol style="list-style-type: none"> 1. USACE & NYDEC permits do not seem to specifically address the HDD process and subsequent discharge of drilling fluids in relation to the project. Traditional drilling methods (from shore) will discharge a significant amount of drilling fluid into the waterway at the exit point. AD1 spec section "HDD Inadvertent Return Plan" 6.0 E recognizes that drilling fluid will be discharged to the waterway in some amount. <ol style="list-style-type: none"> a. Can you clarify what amount of drilling fluid is acceptable to be discharged and how this will be tested and monitored? b. What was the conceptual drilling methodology for the design process. 2. AD2 Spec Section 33 1416 – 3.04 Installation of HDPE Pipe H.12 States "The contractor shall haul, heat fuse & hydrostatically test the pipeline in one section" <ol style="list-style-type: none"> a. Can you clarify if this is meant to imply that the entire ~3700' length of the pipe is to be installed through the bore and on bottom in one single section? 	<ol style="list-style-type: none"> 1. The Horizontal Directional Drill shall be in accordance with all laws, regulations, and permit requirements set forth in the contract documents. Means and methods for directional drilling is delegated by the Contractor, however the Contractor shall provide all means necessary to minimize the discharge of drilling fluids per the Inadvertent Return Plan. Contractor shall follow protocol for the notification, containment, and resolution of all discharged drilling fluids, and inadvertent return of drilling fluids. 2. Section 33 1416 - 3.04 H.12 is in reference to the portion of the pipeline that is installed by Horizontal Directional Drill method. 	3/29/2024

Status	RFI ID	Subject	Question	Answer	Closed
	00007	Underwater Obstacles and Drilling Information	<p>I have a few questions below:</p> <p>On sheet no. AD1/S-1 it shows potential rock and debris to be removed OR relocated. However, the NYSDEC Special Conditions on sheet no. I-1 say that all dredged or excavated materials shall go to an upland disposal site. Will the contractor be permitted to move the obstructions out of the way, leaving them on the lake bottom without being required to dispose of them at an upland site?</p> <p>Several HDD contractors have expressed concerns about the provided geotechnical drilling bore logs - that they do not reach the depth of the proposed HDD. Therefore much is unknown and there is possibility of encountering harder rock at the proposed HDD depth. Some HDD contractors will not bid because of this. Will you consider having additional geotechnical drilling done and potentially revising the HDD design to go deeper to reduce the risk of a frac-out?</p>	<p>1. Contractor is permitted to move obstructions per sheet S-1 in the area of the new intake piping. No disposal is necessary if it is native material, such as rock.</p> <p>2. Subsurface Geotechnical Data was obtained at periodic locations and depths along the planned horizontal directional drill path. Per specification 33 1416 3.04 H. 7.; The vertical profile as shown on the drawings is the minimum depth to which the pipe line shall be installed. The Contractor may at his option and with the permission of the Engineer elect to install the pipe at a greater depth at no additional cost to the Owner. Risk of Inadvertent discharge of drilling fluids shall be a consideration of the bidder and in accordance with the Inadvertent Return Plan.</p>	3/29/2024
	00008	U.S. Coast Guard Federal Regulation Requirements	<p>Can you please confirm that in the selection and vetting process for any successful prime contractor and/or subcontractors, that you will verify that all marine equipment and crew working on the water are compliant with U.S. Coast Guard federal regulations? Some of these regulations include the following:</p> <ol style="list-style-type: none"> 1. Regulations requiring valid certificates of documentation on all vessels including barges and/or barge sections, tugboats and workboats; 2. Regulations requiring that the barge platform complies with ABS load line requirements for Great Lakes voyages; 3. Regulations requiring that all persons working on the water are enrolled in their employers random drug testing program administered a U.S. Coast Guard approved consortium; 4. Regulations requiring that all boat operators are properly licensed (for commercial marine work boat operators must be licensed by the U.S. Coast Guard); and 5. Regulations set forth by OSHA that are enforced by the U.S. Coast Guard for all diving operations. <p>If you would like us to forward you the applicable Code of Federal Regulations that govern the above matters and the work contemplated by the project, please let us know and we would be happy to do so.</p>	<p>The Contractor is responsible for adherence to all applicable permits, laws and regulations.</p>	3/29/2024

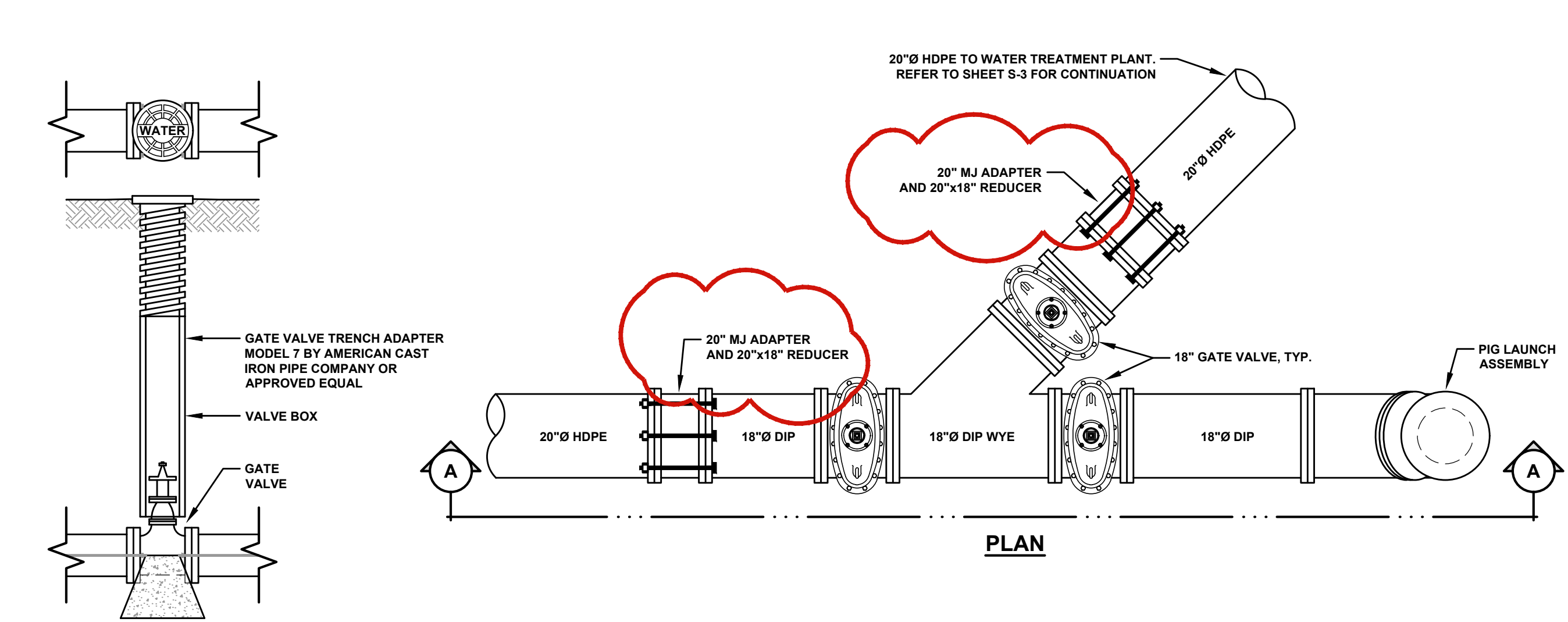
Total RFIs: 8



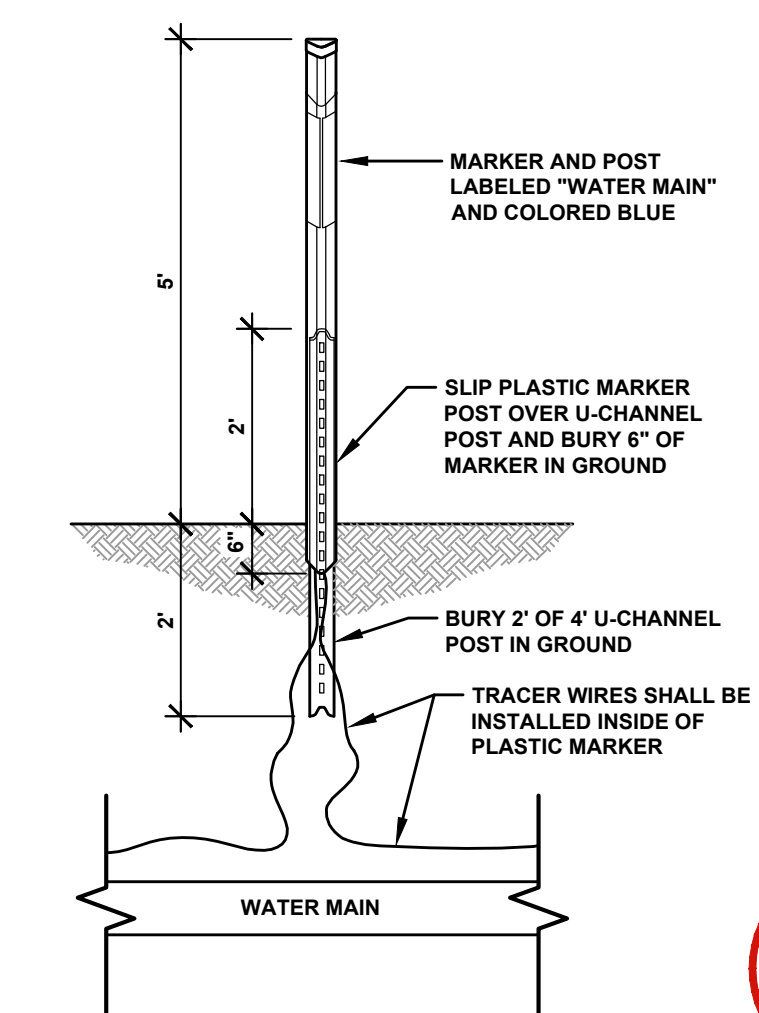
DESIGN BASIS
(2000 PSI HYDROSTATIC PRESSURE AGAINST UNDISTURBED SOIL OF 2000 PSF BEARING CAPACITY W/1.5 SAFETY FACTOR)

PIPE SIZE	MINIMUM EFFECTIVE AREA IN SQ. FT. (PRODUCT OF "X" TIMES "Y")						HYDRANT	GATE VALVE
	END CAP	TEE	90°	45°	22 1/2"	11 1/4"		
16"	36	36	50	27	14	7	-	6
14"	28	28	39	21	11	5	-	5
12"	21	21	29	16	8	4	-	4
10"	15	15	21	11	6	3	-	3
8"	10	10	14	7	4	2	14	2
6"	6	6	8	4	2	1	8	-
4"	3	3	4	2	1	1	4	-

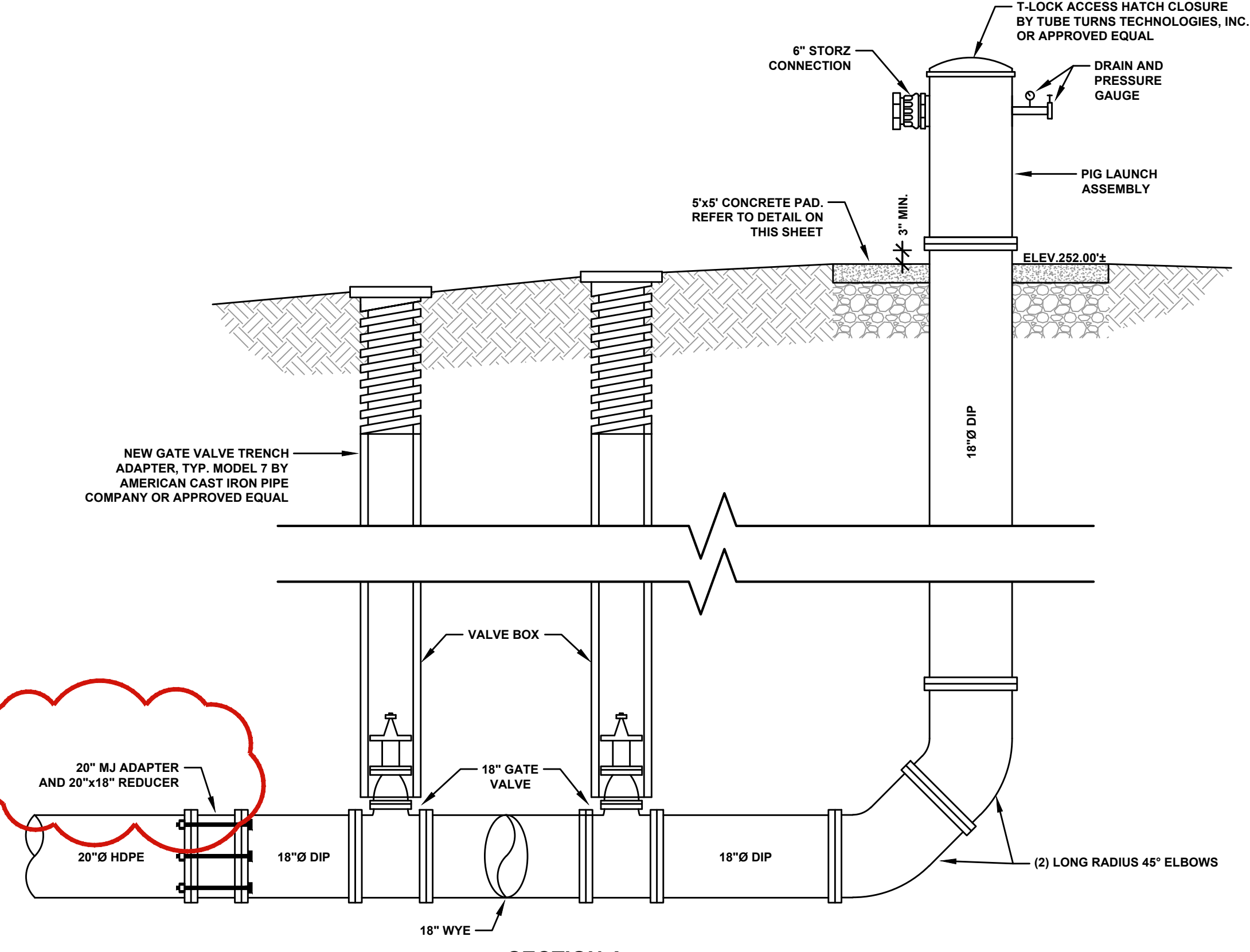
1. THRUST BLOCK DETAILS
NOT TO SCALE



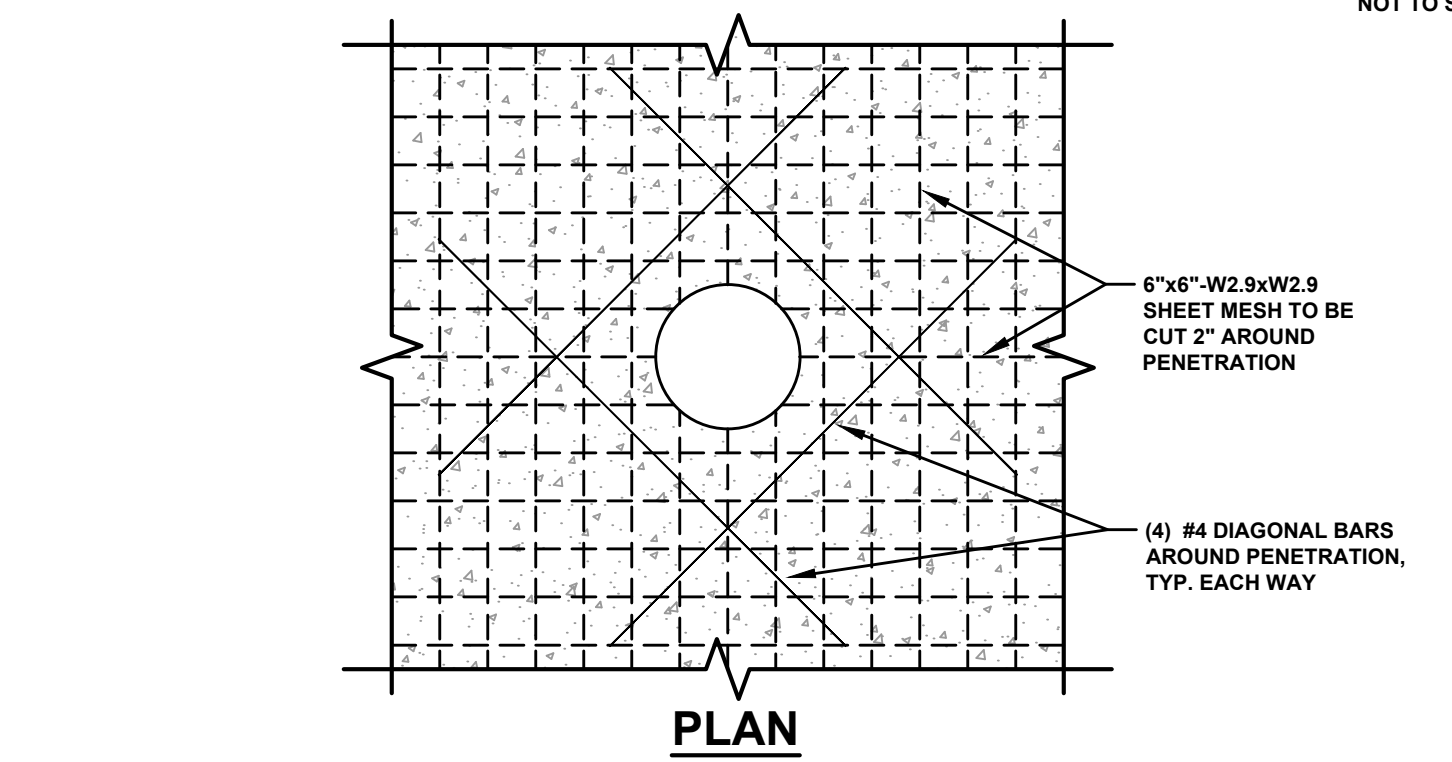
2. GATE VALVE DETAIL
NOT TO SCALE



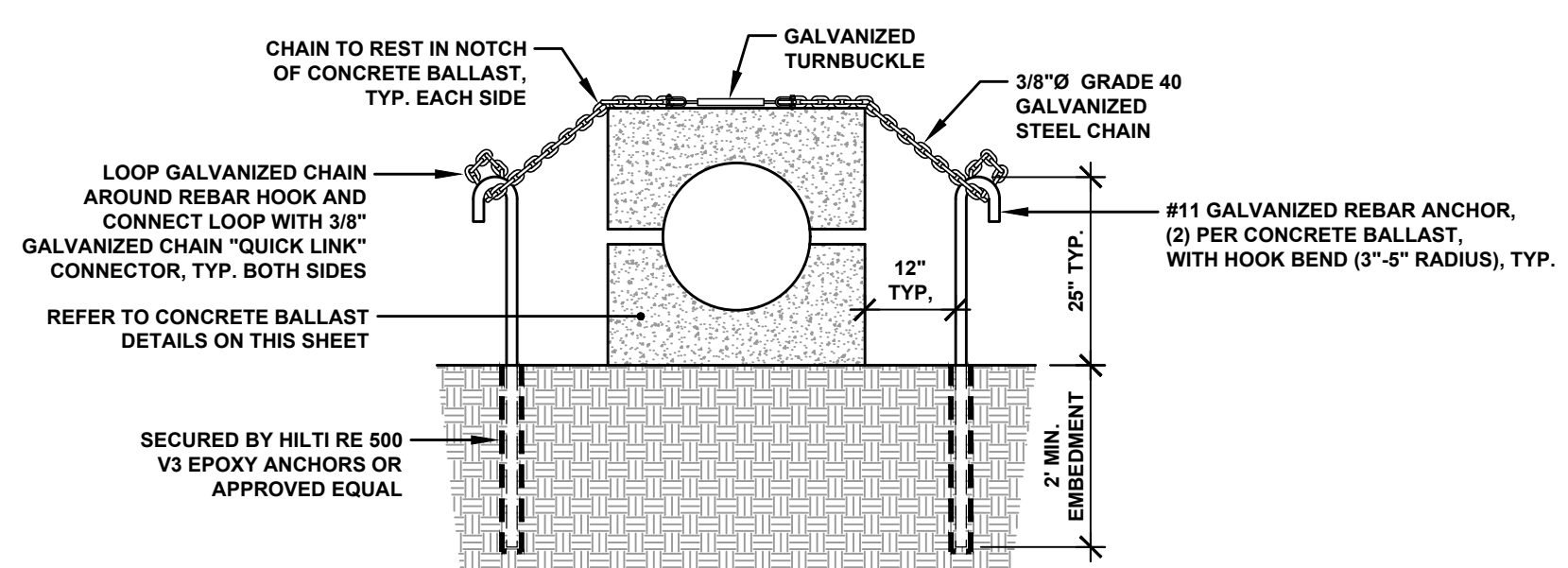
3. PLASTIC MARKER POST DETAIL
NOT TO SCALE



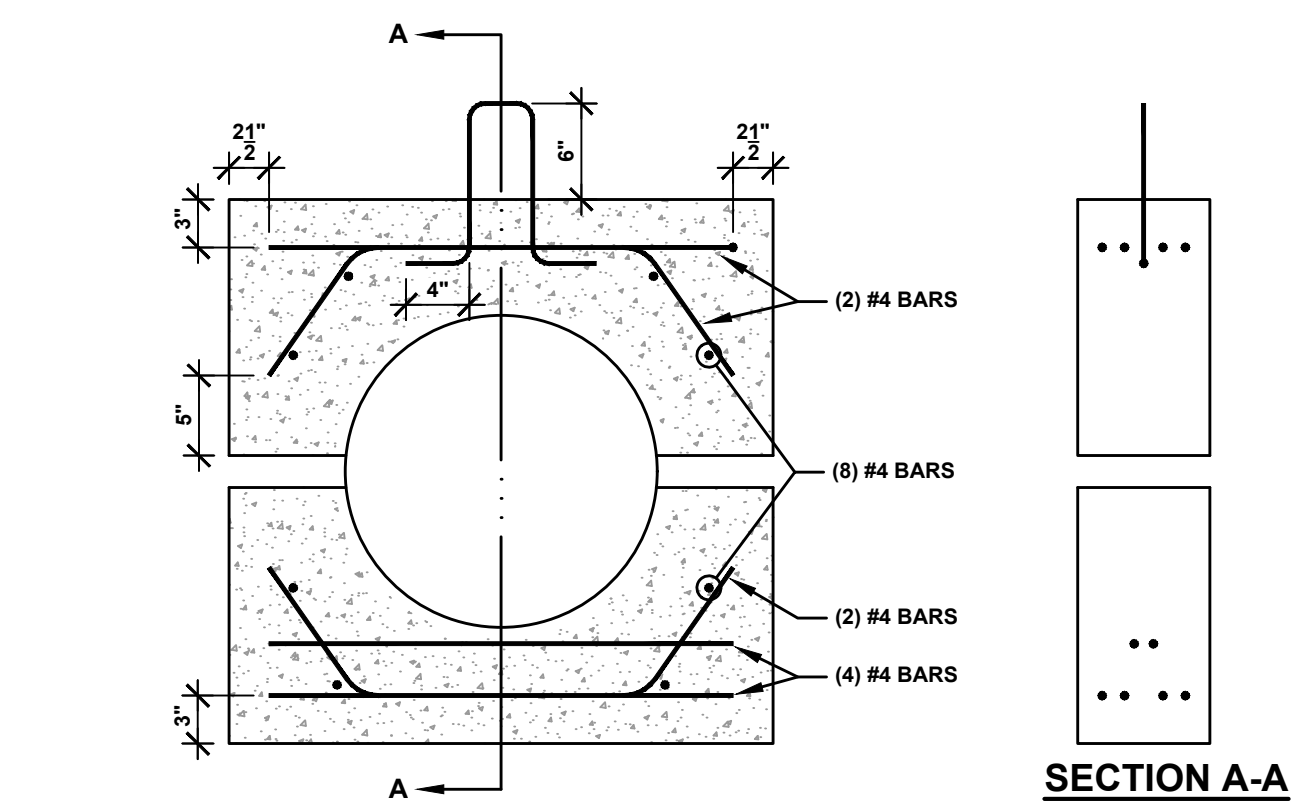
4. TYPICAL PIG LAUNCH DETAIL
SECTION A



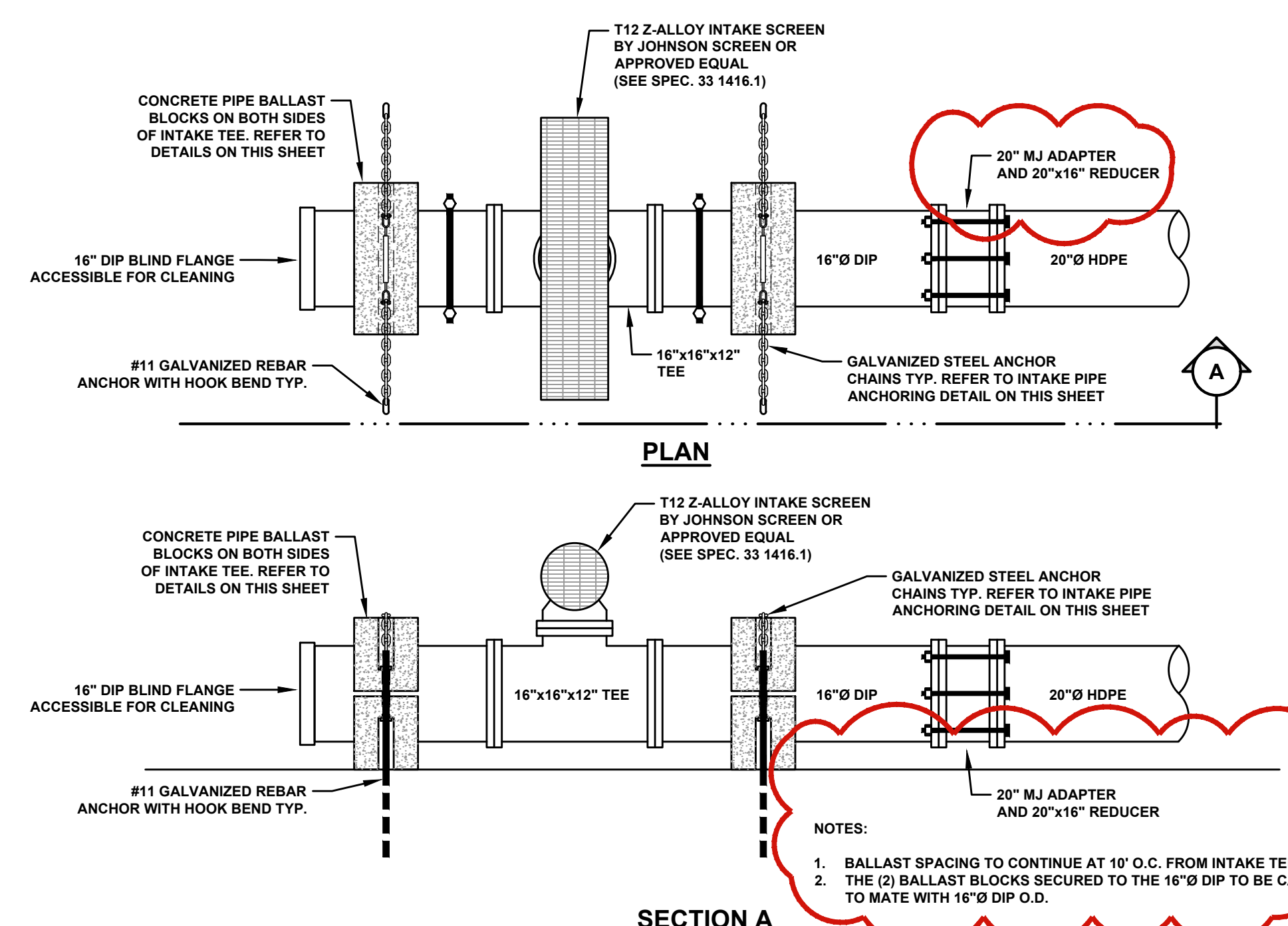
5. CONCRETE PAD DETAIL
NOT TO SCALE



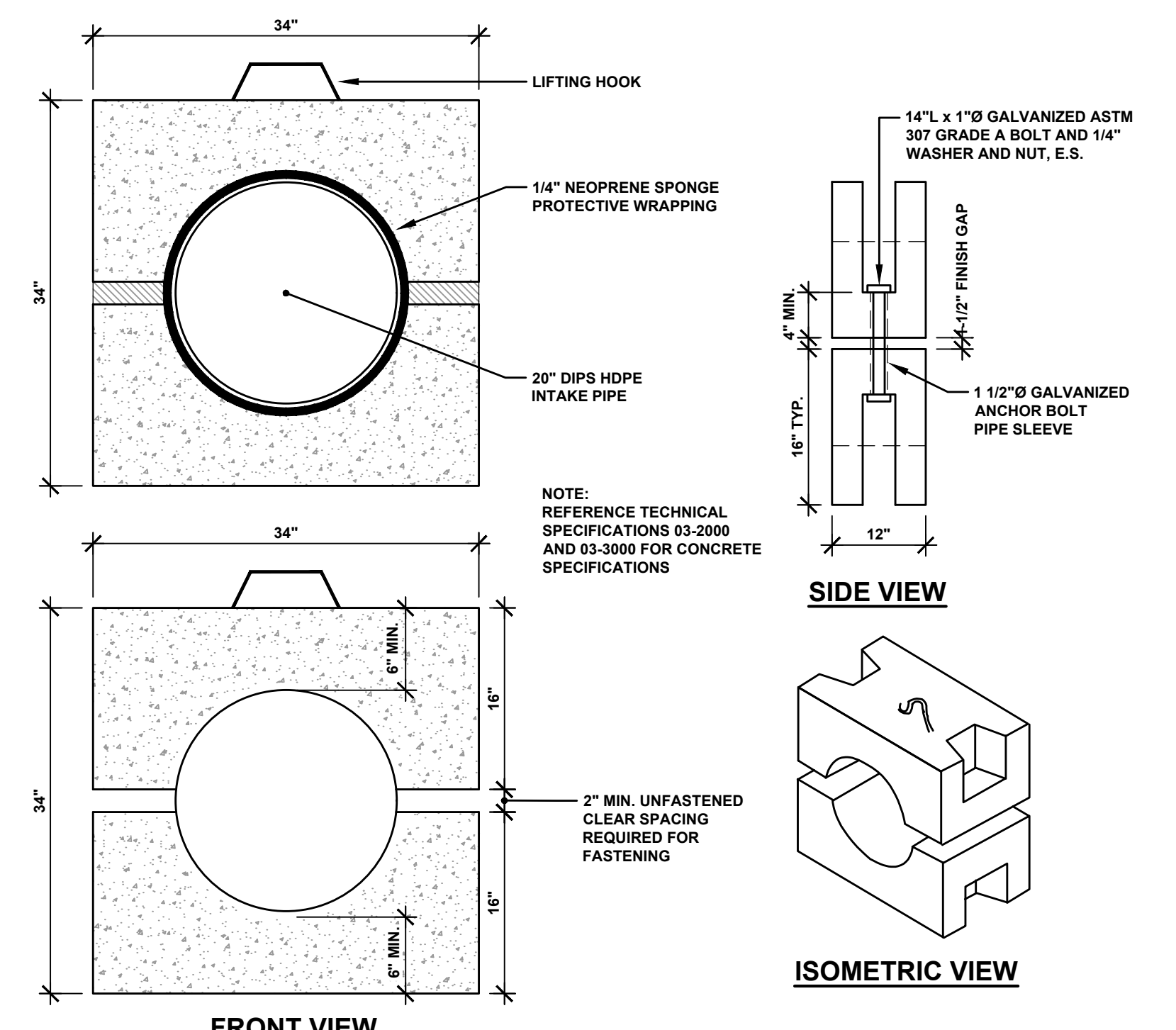
6. INTAKE PIPE ANCHORING DETAIL
NOT TO SCALE



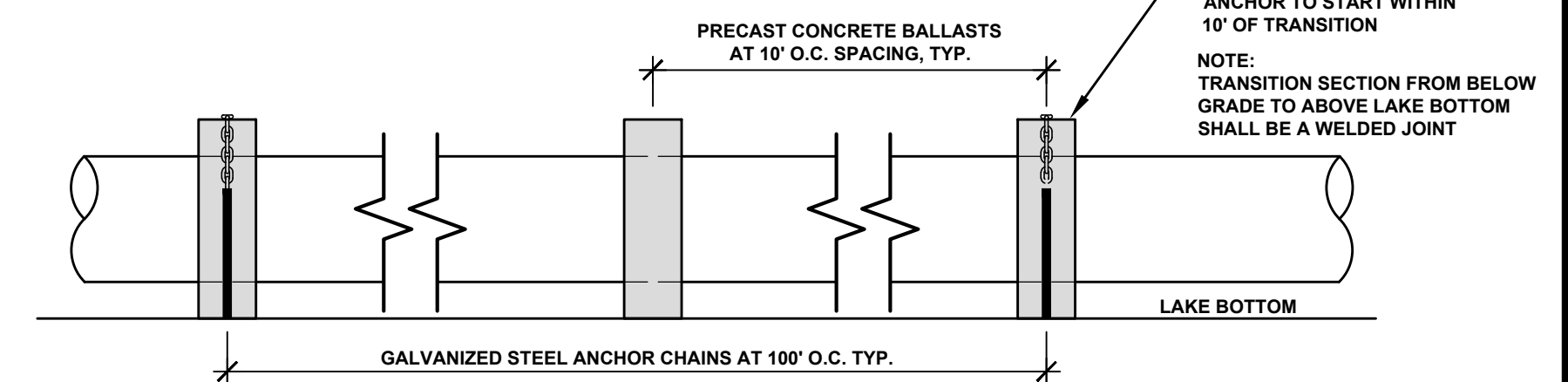
10. PRECAST CONCRETE BALLAST REINFORCEMENT DETAIL
NOT TO SCALE



7. PRECAST CONCRETE INTAKE STRUCTURE DETAILS
NOT TO SCALE

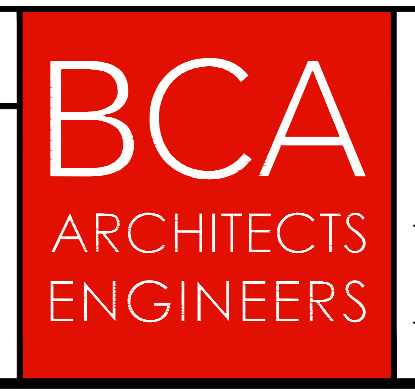


8. PRECAST CONCRETE BALLAST DETAILS
NOT TO SCALE



9. TYPICAL BALLAST AND ANCHOR PROFILE
NOT TO SCALE

SITE DETAILS
VILLAGE OF SACKETS HARBOR
WATER TREATMENT FACILITY
NEW WATER INTAKE AND SEAWLL
REPLACEMENT PROJECT



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CHECKED BY:	TJB	SHEET NO.	
DRAWN BY:	JBE		
DATE:	02/20/2024		
LAST REVISION:	AD3 - 03/28/2024		
SCALE:	AS NOTED		
PRINTED FOR:	BID		

AD3/D-1

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