



CITY OF SOUTH BAY, FL
ITB 2023-03
S2 AREA DRAINAGE IMPROVEMENTS

ADDENDUM No. 2

ISSUED JANUARY 17, 2024

The following revisions or clarification are made in response to questions on the bid documents received by the City after Addendum No. 1 was issued on January 11, 2023.

- 1) *Question:* Since the Soil Borings provided stop at 8' below grade there is no way for the contractor to know if the trench walls will stand vertical per the French Drain details on Sheet #17, should we use the FDOT Standard Index 443-001 for the entire run of drainage?

Answer: Sheet No. 17 with the French Drain detail has been revised to show that the trench depth is 10 feet. This detail indicates vertical and alternate transverse trench wall details. Further, the inlet structures S-2, MH-1, S-6, S-12, S-13, S-15, S-16, S-17, S-18, S-19, and S-20 between the French Drain can have weep holes as per FDOT Standard Index 443-001. Following FDOT Standard Index 443-001 is acceptable as it is a similar detail but HDPE can be used for the exfiltration pipe instead of RCP as the FDOT detail shows.

- 2) *Question:* Could you please attach the Pre-Bid Attendees?

Answer: The pre-bid attendees lists were attached with Addendum No. 1. It is again attached here.

- 3) *Question:* Due to the request to do the Pre-Construction Survey, can time be added to the Substantial and Final Completion?

Answer: 30 more construction days have been added where the new Substantial Completion is changed from 270 to 300 calendar days and Final Completion from 300 to 330 calendar days, both calculated from notice to proceed date.

4) Question: Can an allowance be added for Unforeseen Utility Repairs?

Answer: No. The purpose of the pre-construction survey pay item work added in Addendum No. 1 is to determine the location, size, and depths of existing utilities where the new drainage lines cross to avoid conflict by making drainage elevation adjustments to avoid conflicts, if any. So there should not be unforeseen utility repairs.

S2 AREA DRAINAGE IMPROVEMENTS PRE-BID MEETING SIGN-IN SHEET

Project: S2 Area Drainage Improvements	Date & Time: 1/4/2024 10:00AM
Facilitator: City of South Bay	Place/Room: City of South Bay Chambers

Name _____ Company _____ Email _____



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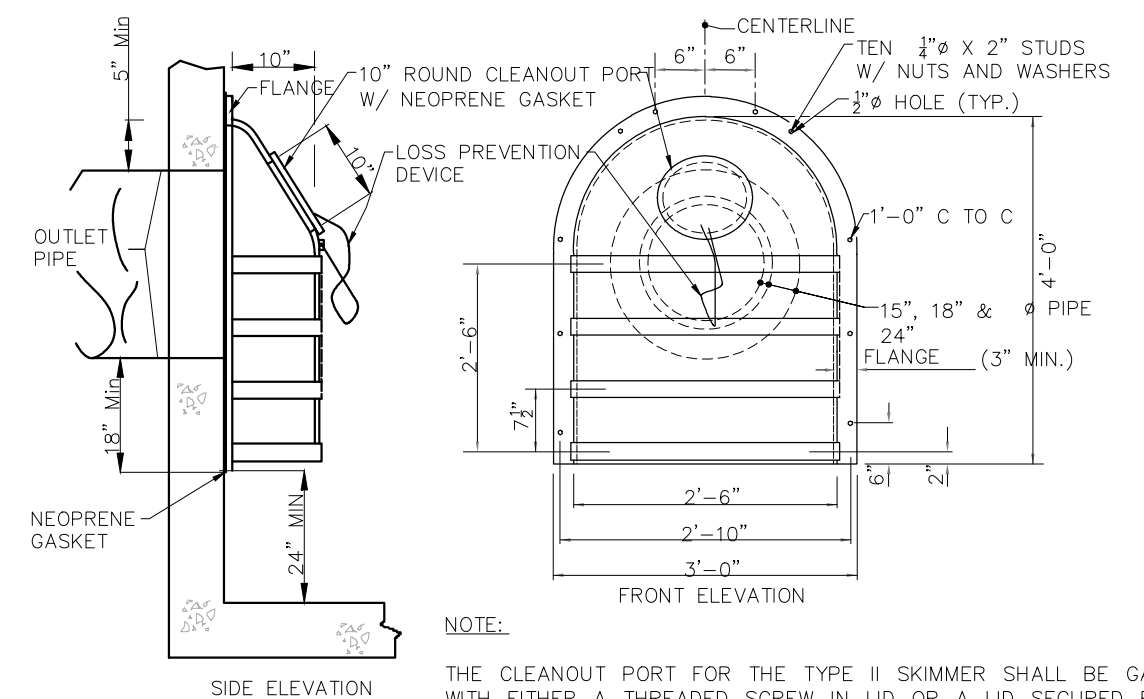
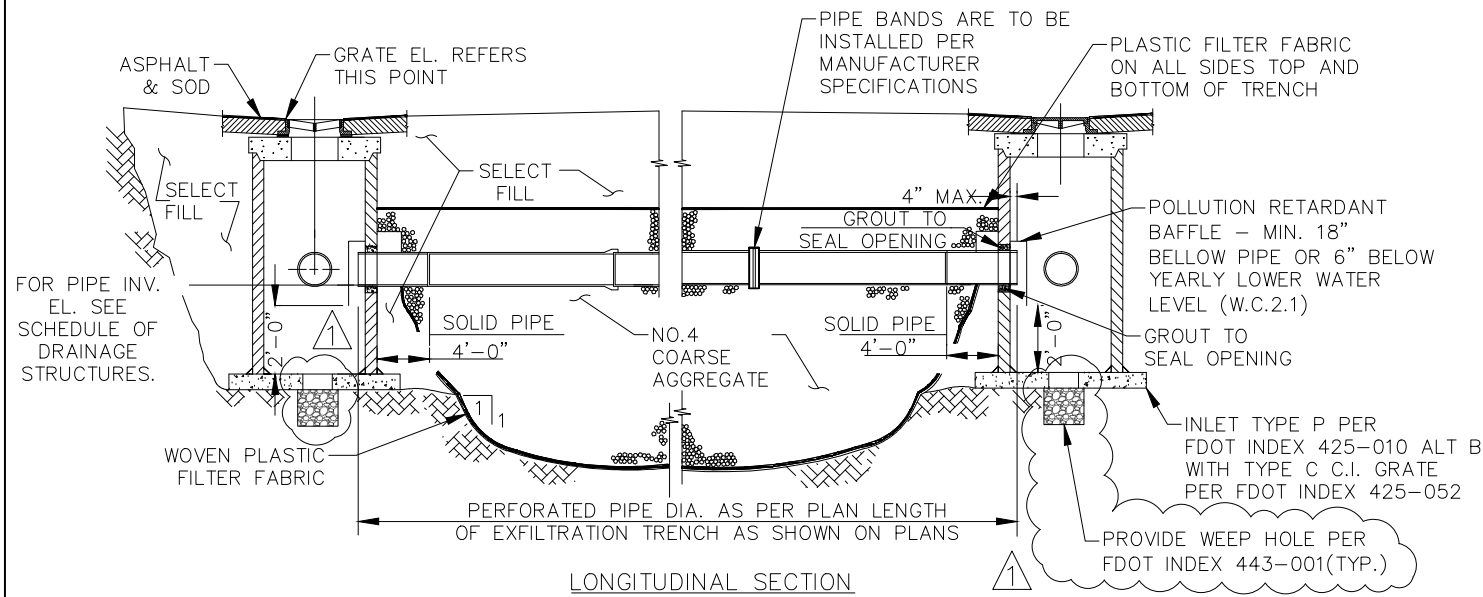
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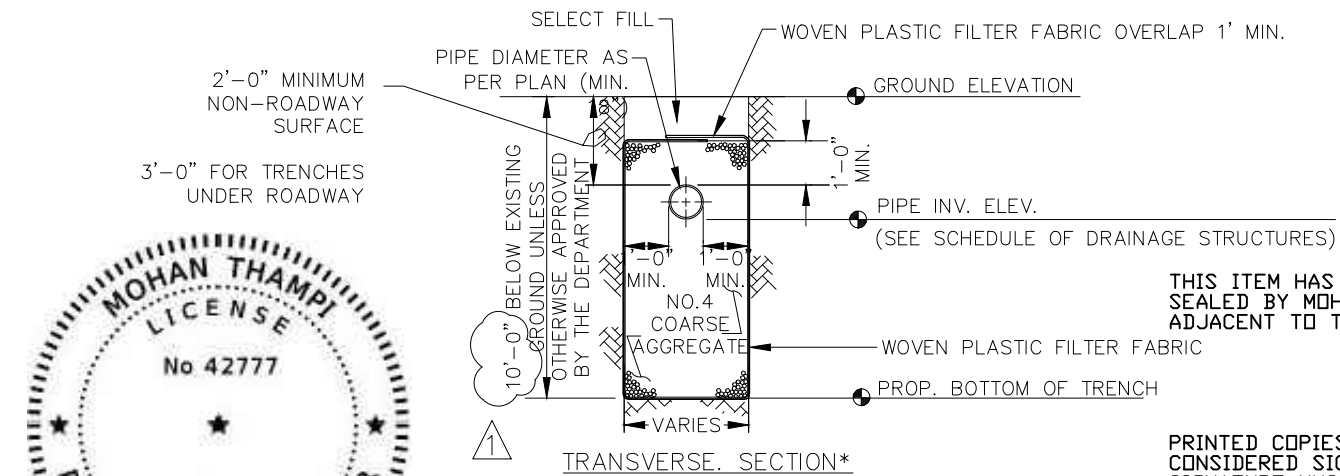
NOTES:

1. AFTER THE COARSE AGGREGATE HAS BEEN PLACED TO THE PROPER ELEVATION IT SHALL BE CAREFULLY WASHED DOWN WITH CLEAN WATER, OR TAMPERED, TO ALLOW FOR INITIAL SETTLEMENT THAT MAY OCCUR. IF SETTLEMENT DOES TAKE PLACE, ADDITIONAL NO.4 COARSE AGGREGATE SHALL BE ADDED TO RESTORE THE PROPER ELEVATION SO THAT THE EXFILTRATION TRENCH IS COMPLETED IN ACCORDANCE WITH THE DETAILS.

NOTE:

THE CLEANOUT PORT FOR THE TYPE II SKIMMER SHALL BE GASKETED, WITH EITHER A THREADED SCREW-IN LID OR A LID SECURED BY FOUR STAINLESS STEEL QUICK-RELEASE LATCHES.

TYPE II BAFFLE DETAIL



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY MOHAN THAMPI ON THE DATE ADJACENT TO THE SEAL.

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

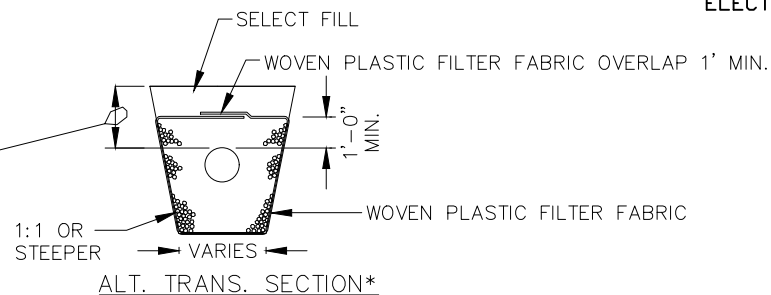
MINIMUM NUMBER OF PERFORATION IN PIPE		
PIPE DIAMETER (INCHES)	OUTER SHELL	LINER
	NO. OF 3/8" DIA. HOLES (PER LIN. FT. OF PIPE)	NO. OF 3/8" DIA. HOLES (PER LIN. FT. OF PIPE)
18	120	60
24	160	80

NOTE: PERFORATIONS SHALL BE UNIFORMLY SPACED AROUND THE FULL PERIPHERY OF THE PIPE TO WITHIN 4" OF EACH END OF EACH LENGTH OF PIPE. THE NUMBER OF PERFORATIONS PER LINEAR FOOT OF PIPE AND THE DIAMETER OF THE PERFORATIONS SHALL BE AS SHOWN ON THE ABOVE TABLE.

NOTES

1. PLASTIC FILTER FABRIC SHALL BE WOVEN MONOFILAMENT POLYPROPYLENE GEOTEXTILE. PERMITTIVITY SHALL BE GREATER THAN 0.50 SEC AND FLOW RATE GREATER OR EQUAL TO 50 GAL/MIN.
2. THE MINIMUM PIPE DIAMETER FOR DRAINAGE SYSTEM WITHIN THE ROADWAY RIGHT-OF-WAY SHALL BE 18 INCHES.
3. NO TREES TO BE PLANTED WITHIN 5 FEET OF THE EDGE OF THE TRENCH.
4. NEOPRENE GASKET REQUIRED FOR BAFFLES ON ALL CONTACT EDGES MOUNTED ON WALL.
5. OIL AND GREASE BAFFLE IS REQUIRED FOR ALL DRAINAGE STRUCTURES PRECEDING AN OUTFALL OR EXFILTRATION TRENCHES, IN PROJECTS LOCATED IN WELLFIELD PROTECTION AREAS, ROAD INTERSECTIONS WITH TRAFFIC LIGHTS, AND LARGE PARKING LOTS WHICH INCLUDE 15 PARKING SPACES OR MORE.

2'-0" MINIMUM NON-ROADWAY SURFACE
3'-0" FOR TRENCHES UNDER ROADWAY



* MAY BE USED IN AREAS WHERE TRENCH WALLS WILL NOT STAND VERTICAL, OR WHERE CAVE-IN BELOW THE WATER TABLE IS LIKELY TO OCCUR, TO BE USED AT THE ENGINEER'S DISCRETION.

**EXFILTRATION TRENCH (FRENCH DRAIN)
(FDOT INDEX 443-001 SIMILAR)**

REVISIONS		MOHAN THAMPI, P.E.		CITY OF SOUTH BAY			SHEET NO.
DATE	DESCRIPTION	DATE		DRAWN BY:	COUNTY	FDEP AGREEMENT #	
01/17/24	ADDENDUM 2			R.A.	PALM BEACH	LP50102	17
cap engineering				DRAINAGE DETAILS			

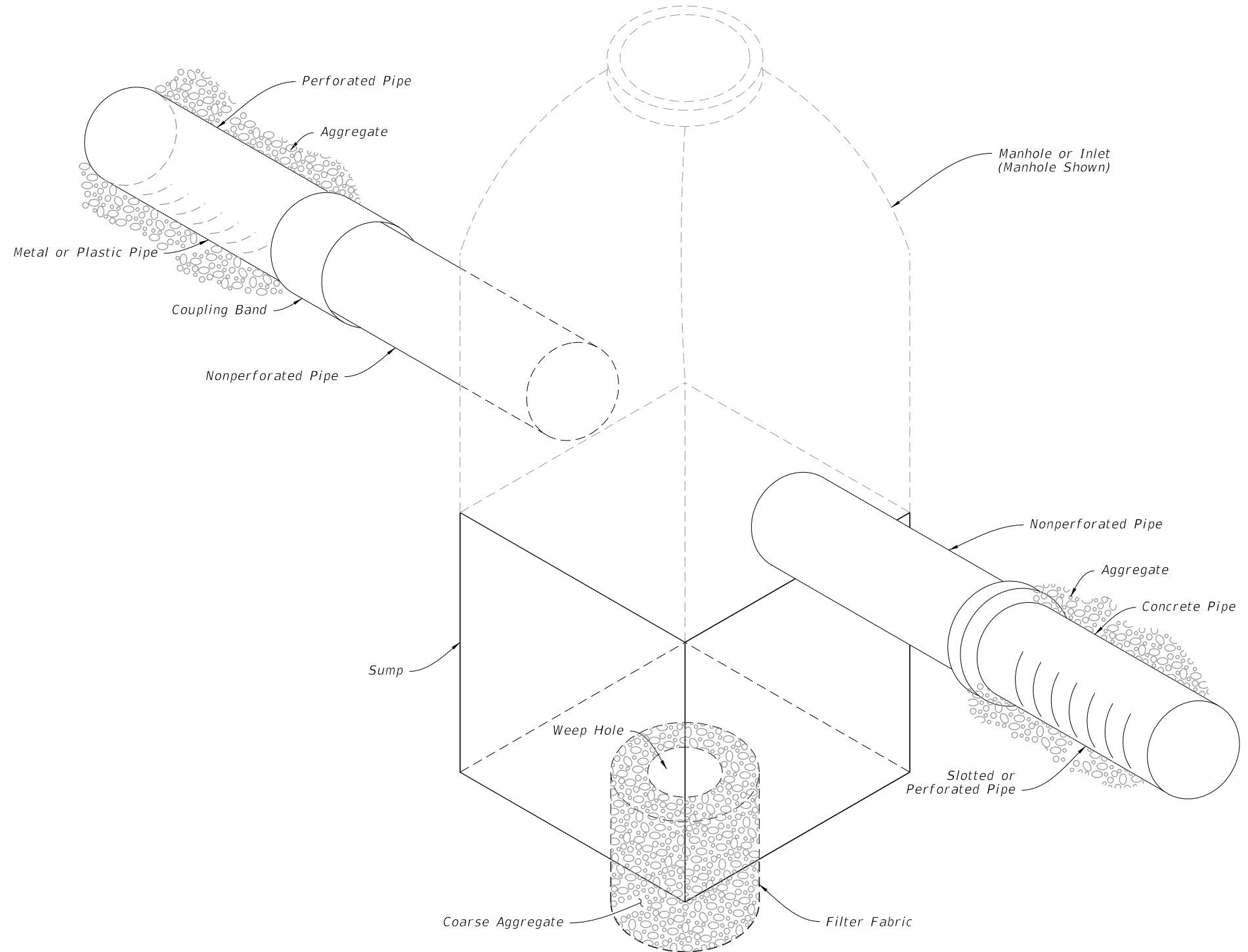
ADDENDUM 2 FOR ITB 2023-03 DATED 01/17/2024

NOT FOR CONSTRUCTION FOR BIDDING PURPOSES ONLY

GENERAL NOTES:

1. Place concrete pipe with the slots positioned on sides.
2. Alignment joints are standard (gaskets not required). Recorrugation of metal pipe ends not required.
3. Install Type D-3 filter fabric in accordance with Specification 985. Lap all filter fabric joints a minimum of one (1) foot.
4. Construct the standard cross section unless other section(s) described or detailed in the plans.
5. See Index 430-001 for supplemental details.
6. Take the necessary precautions to prevent contamination of the trench with sand, silt and foreign materials.

TABLE OF CONTENTS:	
Sheet	Description
1	General Notes and Contents
2	French Drain System
3	Concrete Slotted Pipe Options

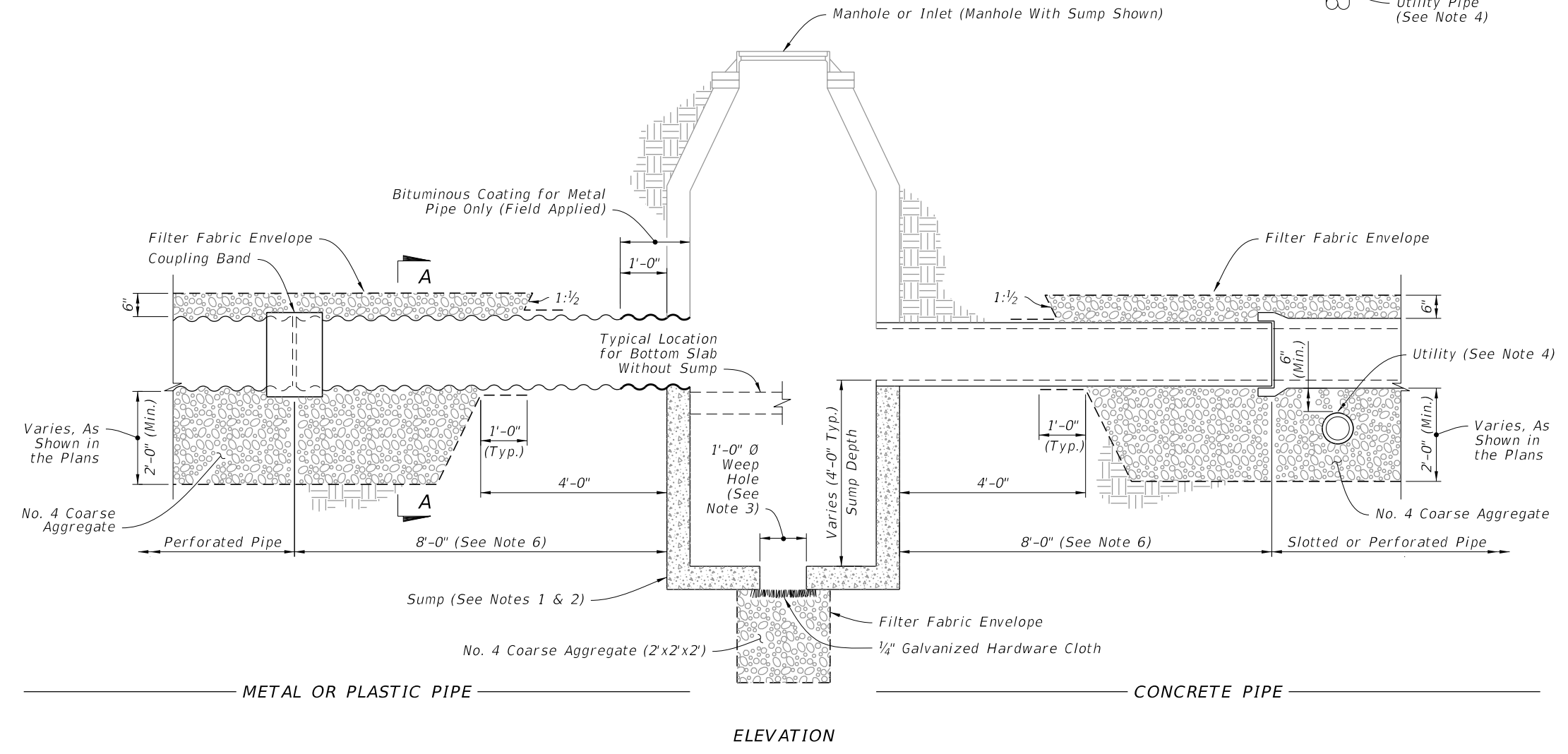
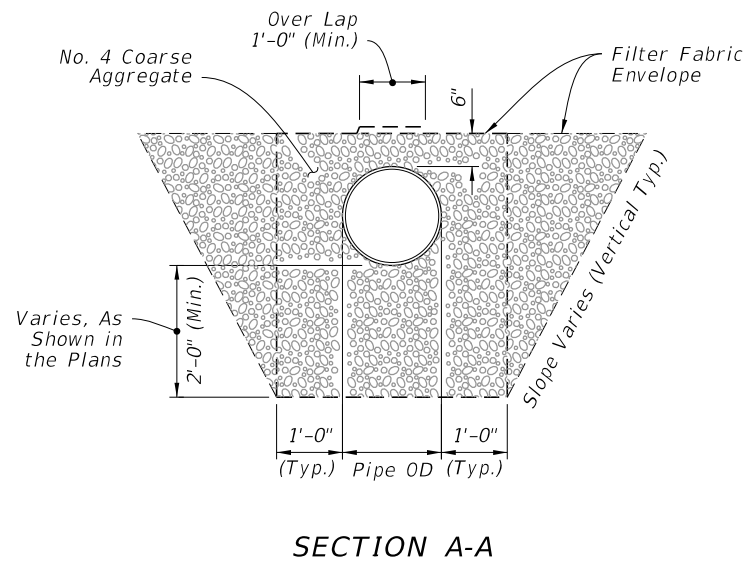
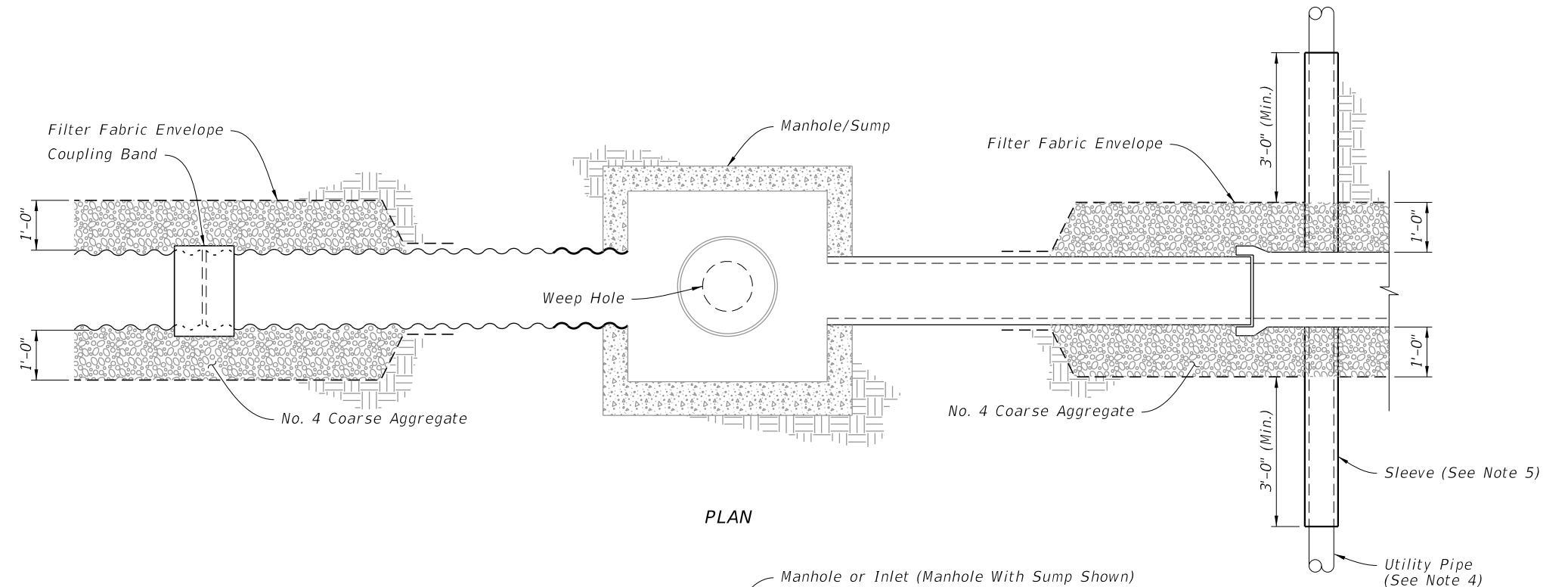


FRENCH DRAIN ASSEMBLY

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NOTES:

1. Construct sumps unless excluded in the Plans.
2. For additional sump bottom information see Index 425-001.
3. Construct weep holes only where called for in the Plans.
4. Only cast and ductile iron sanitary sewer, or cast iron, ductile and steel water mains will be allowed to pass directly through french drain (without sleeve).
5. Use only steel, cast or ductile iron sleeves.
6. No slots or perforations.

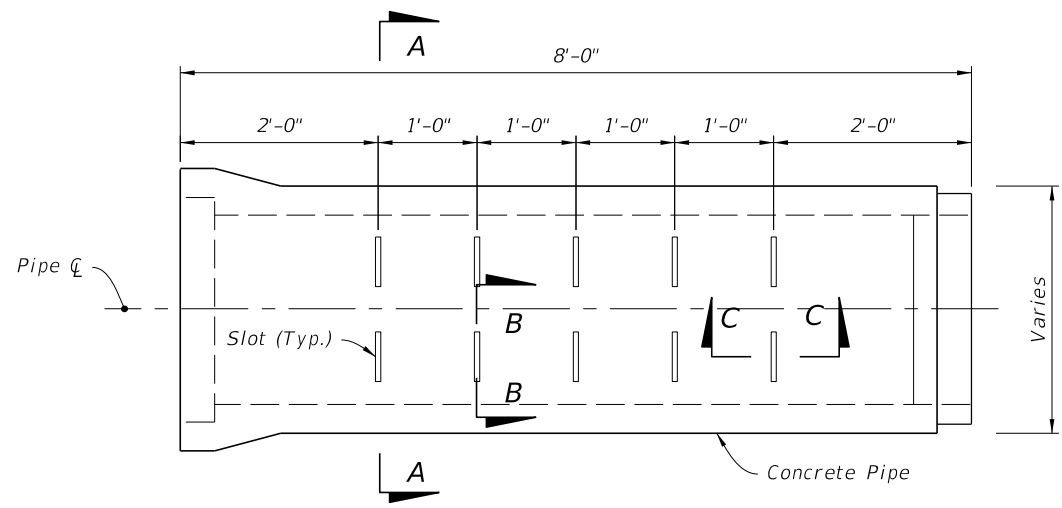


FRENCH DRAIN (Round Pipe Shown)

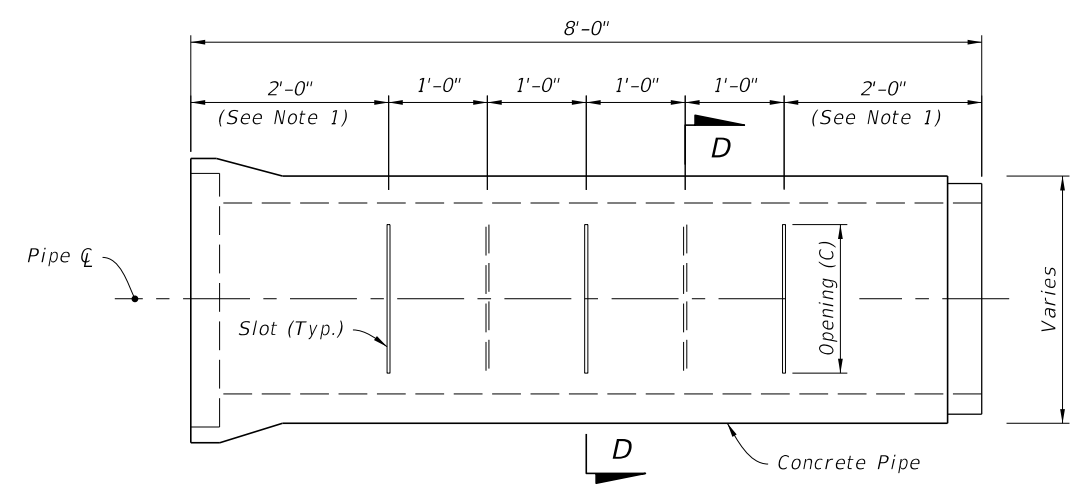
FRENCH DRAIN SYSTEM

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LAST REVISION 11/01/19	REVISION	DESCRIPTION:		FY 2023-24 STANDARD PLANS	FRENCH DRAIN	INDEX 443-001	SHEET 2 of 3
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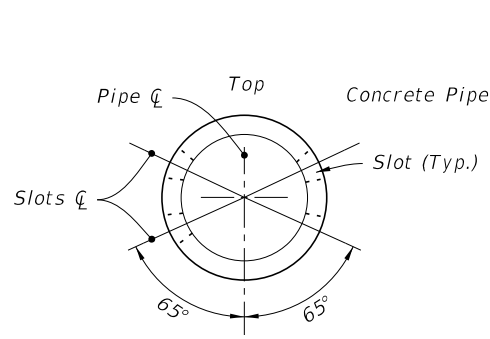


SIDE VIEW



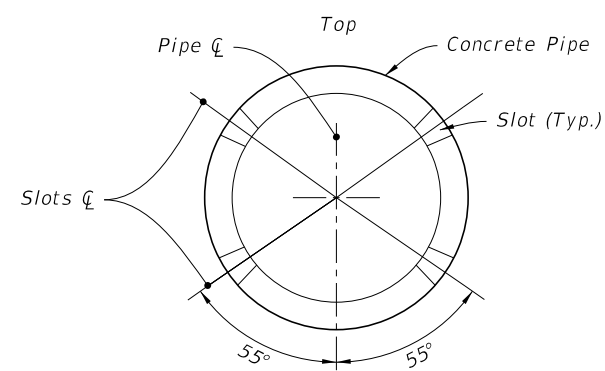
SIDE VIEW

- NOTES:**
- 2'-0" for 8'-0" joints of pipe;
2'-6" for 12'-0" joints of pipe
 - A curved cut is acceptable provided the control dimension is maintained.

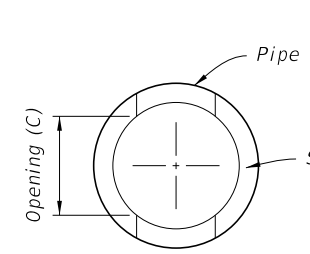


15" to 30"

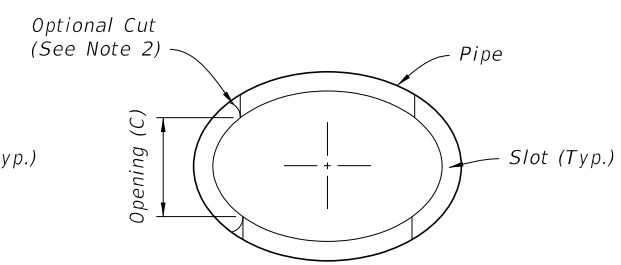
SECTION A-A



36" to 72"

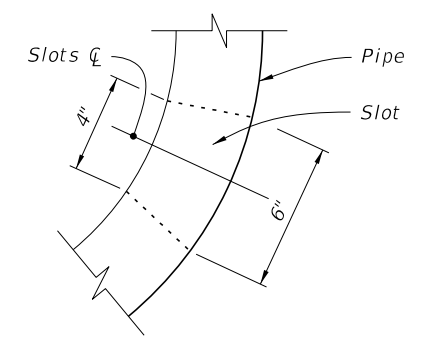


ROUND PIPE

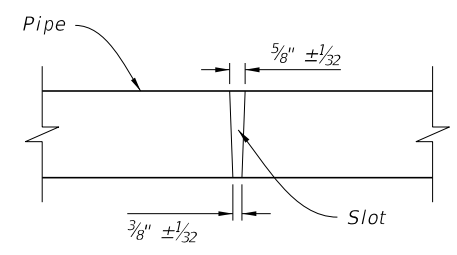


ELLIPTICAL PIPE

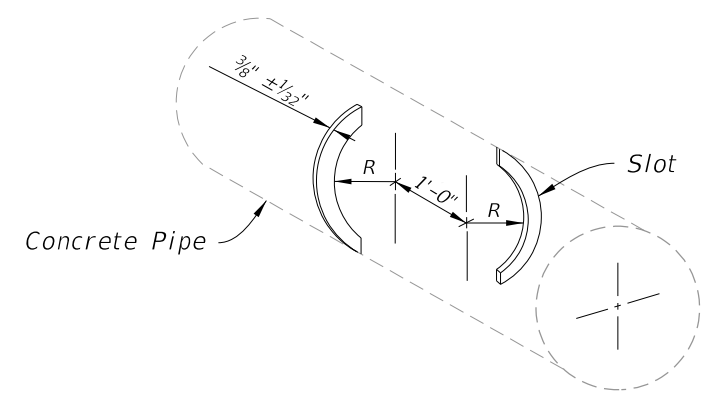
ROUND PIPE		
Pipe Size	Slot Cut	
	Opening (C)	
	Min.	Max.
15"	12"	14"
18"	12"	14"
24"	16"	18"
30"	16"	18"
36"	22"	24"
42"	22"	24"
48"	22"	24"
54"	24"	26"
60"	24"	26"
66"	24"	26"
72"	24"	26"



SECTION B-B



SECTION C-C



ISOMETRIC VIEW
(Round Pipe Shown)

ELLIPTICAL PIPE		
Pipe Size	Slot Cut	
	Opening (C)	
	Min.	Max.
14"x23"	10"	12"
19"x30"	14"	16"
24"x38"	14"	16"
29"x45"	20"	22"
34"x53"	20"	22"
38"x60"	20"	22"

OPTION A - ROUND PIPE

OPTION B - ROUND OR ELLIPTICAL PIPE

CONCRETE SLOTTED PIPE OPTIONS

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