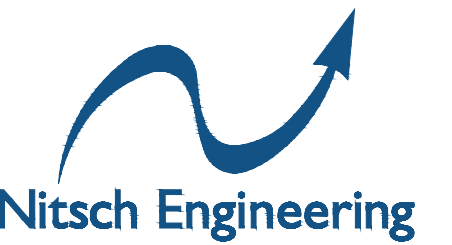


Project:
**P&G ANDOVER
 MANUFACTURING
 CENTER
 ENHANCEMENT
 PROJECT**

30 BURTT ROAD
 ANDOVER, MA 01810



PERMITTING SET

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 CONSTRUCTION

16 APRIL 2024

Key Plan:

Stamp:



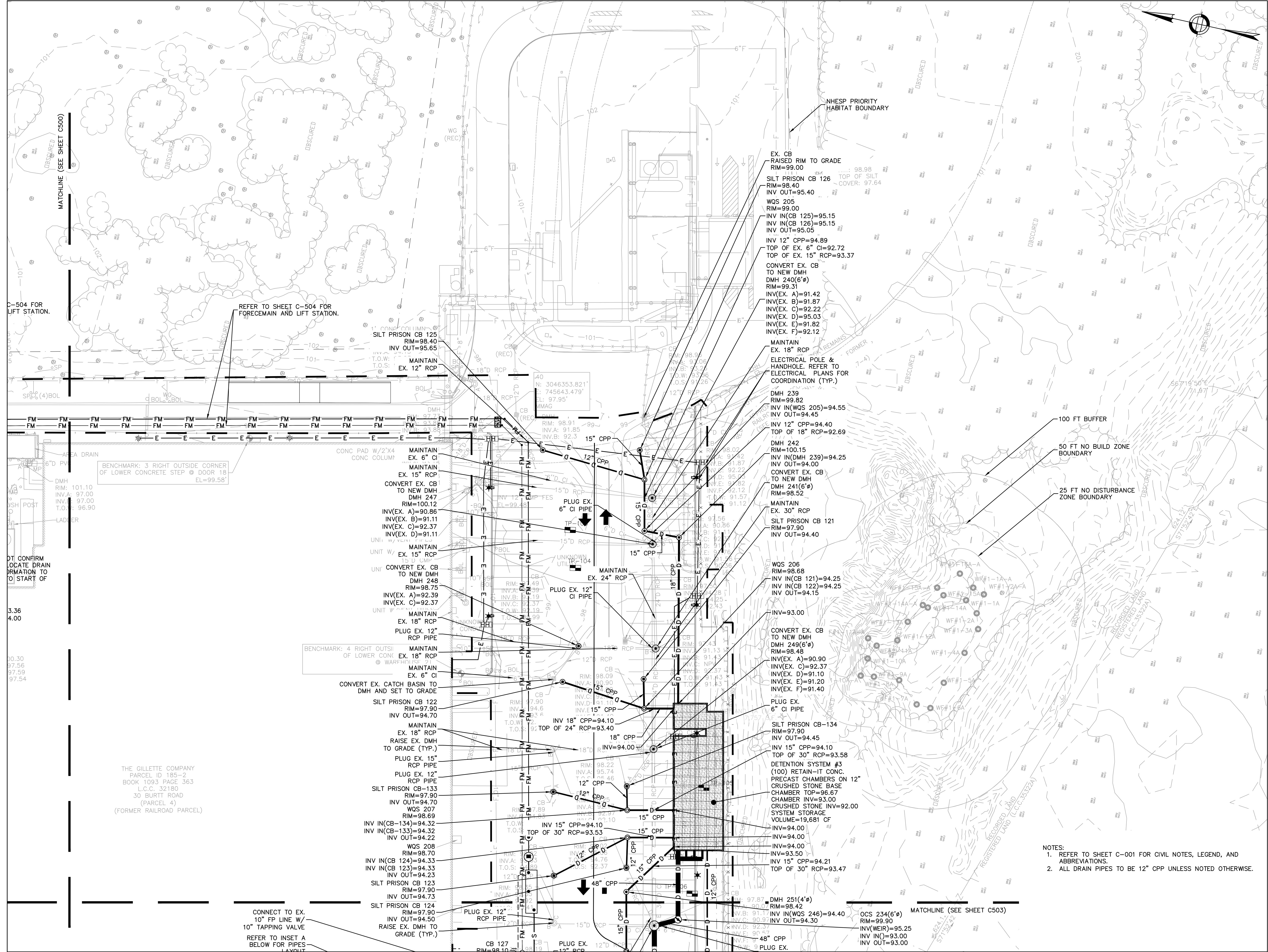
8/27/2024

No.	Date	Revision
13	07/12/2024	BULLETIN 13
14	07/30/2024	RESPONSE TO PEER REVIEW COMMENTS
15	08/27/2024	RESPONSE TO PEER REVIEW COMMENTS

Job No.:	15363
Drawn By:	BJB/OFY/LMC
Checked By:	DLC
Date:	04/16/2024
Scale:	AS NOTED

Drawing Title:
**SITE UTILITY
 PLAN**

Drawing No.:
C-501



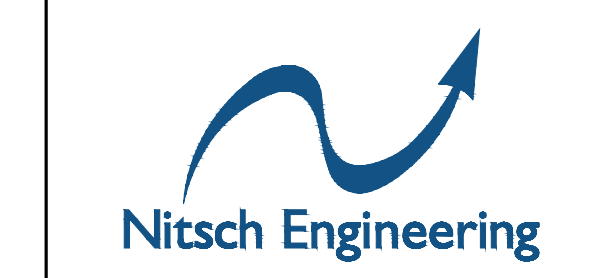
NOTES:
 1. REFER TO SHEET C-001 FOR CIVIL NOTES, LEGEND, AND ABBREVIATIONS.
 2. ALL DRAIN PIPES TO BE 12" CPP UNLESS NOTED OTHERWISE.

THE GILLETTE COMPANY
 PARCEL ID 185-2
 BOOK 1093 PAGE 363
 L.C.C. 32180
 30 BURTT ROAD
 (PARCEL 4)
 (FORMER RAILROAD PARCEL)

CONNECT TO EX.
 10" FP LINE W/
 10" TAPPING VALVE
 REFER TO INSET A
 BELOW FOR PIPES
 LAYOUT

MATCHLINE (SEE SHEET C500)

MATCHLINE (SEE SHEET C503)



PERMITTING SET

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16 APRIL 2024

Key Plan:

Stamp:

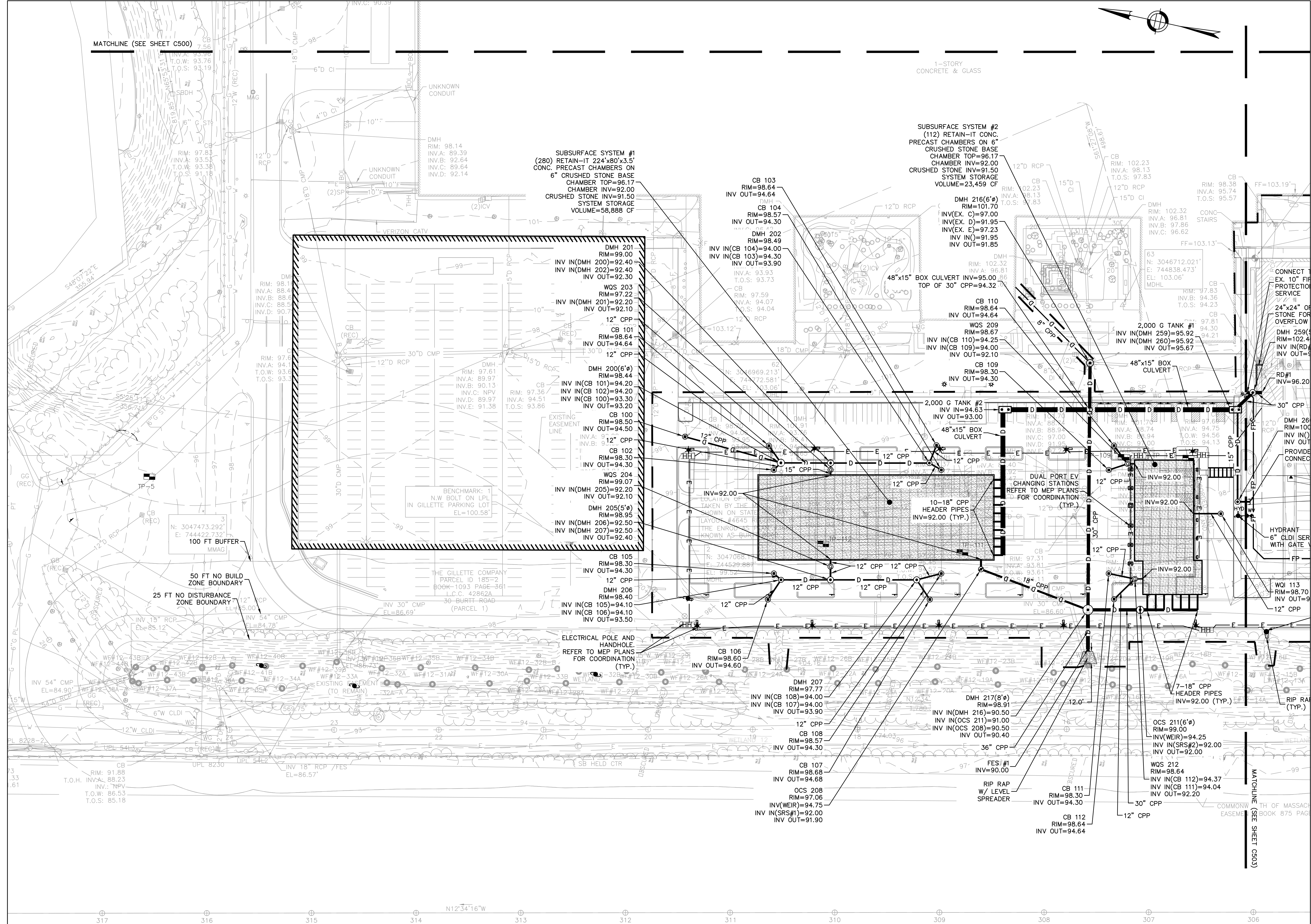
 8/27/2024

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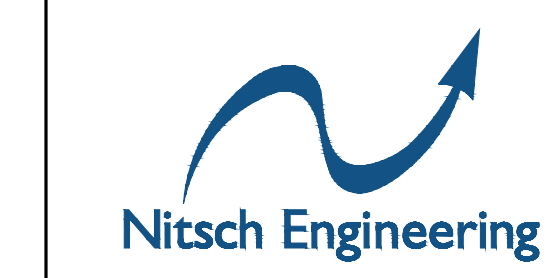
Job No.: 15363
 Drawn By: BJB/OFY/LMC
 Checked By: DLC
 Date: 04/16/2024
 Scale: AS NOTED

Drawing Title:
**SITE UTILITY
 PLAN**

Drawing No.:
C-502



NOTES:
 1. REFER TO SHEET C-001 FOR CIVIL NOTES, LEGEND, AND ABBREVIATIONS.
 2. ALL DRAIN PIPES TO BE 12" CPP UNLESS NOTED OTHERWISE.



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16 APRIL 2024

Key Plan:

Stamp:

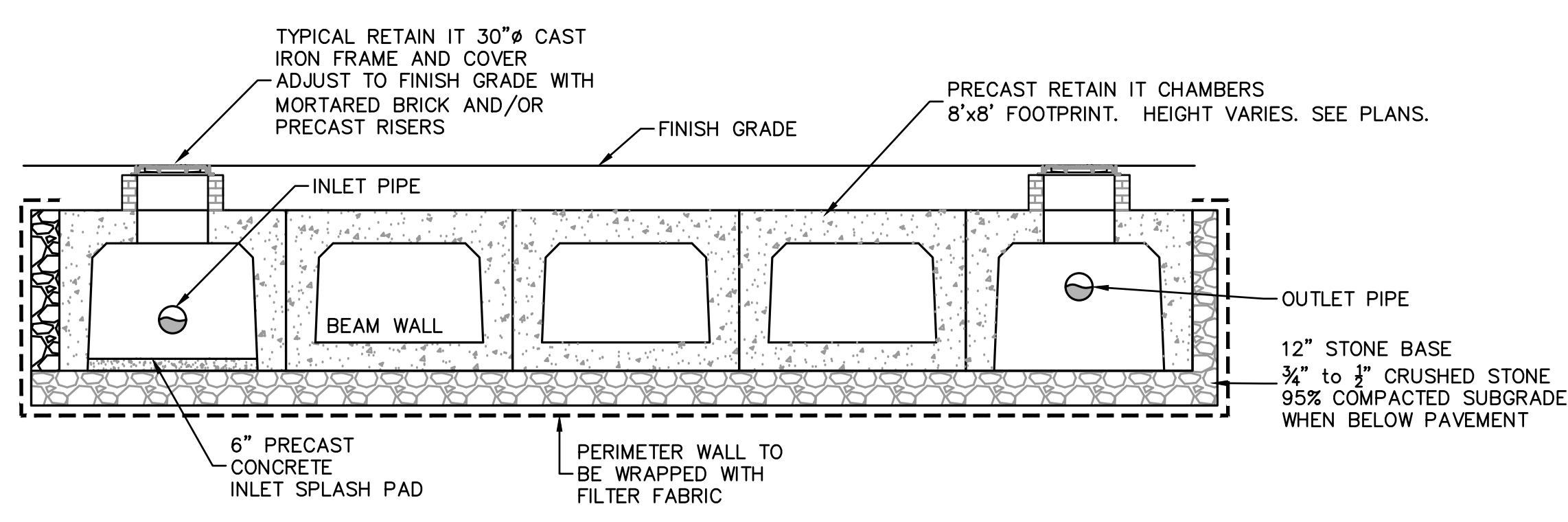
 8/27/2024

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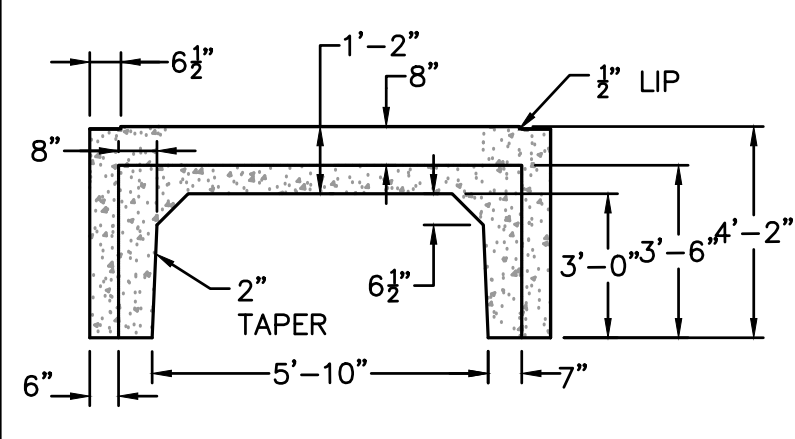
Job No.: 15363
 Drawn By: BJB/OFY/LMC
 Checked By: DLC
 Date: 04/16/2024
 Scale: NTS

Drawing Title:
CIVIL DETAILS IV

Drawing No.:
C-603

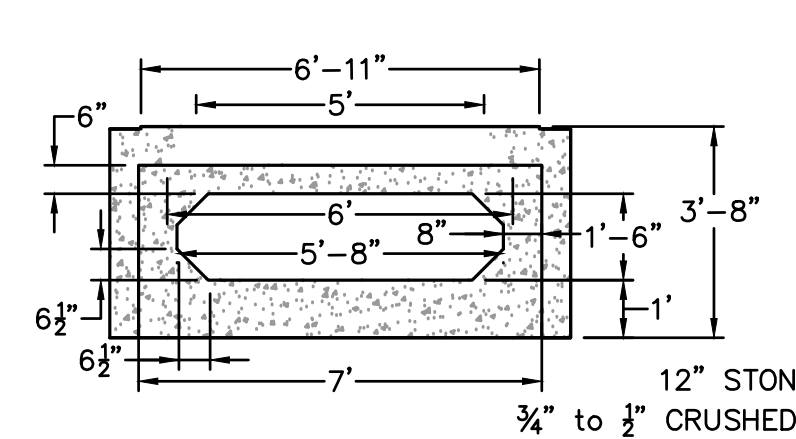


RETAIN IT UNDERGROUND INFILTRATION SYSTEM DETAIL
 NOT TO SCALE



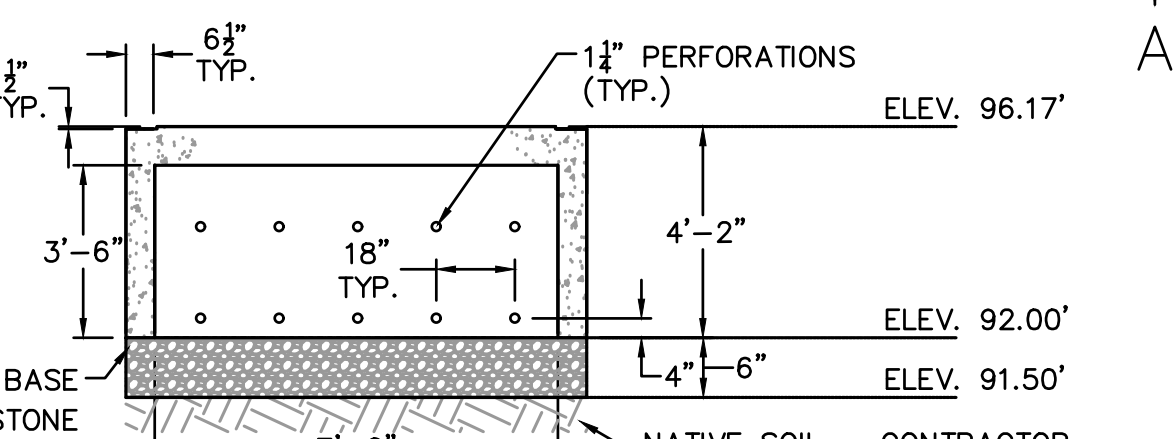
OPEN

*VOLUME CAPACITY
 VOLUME = 58,888 CF

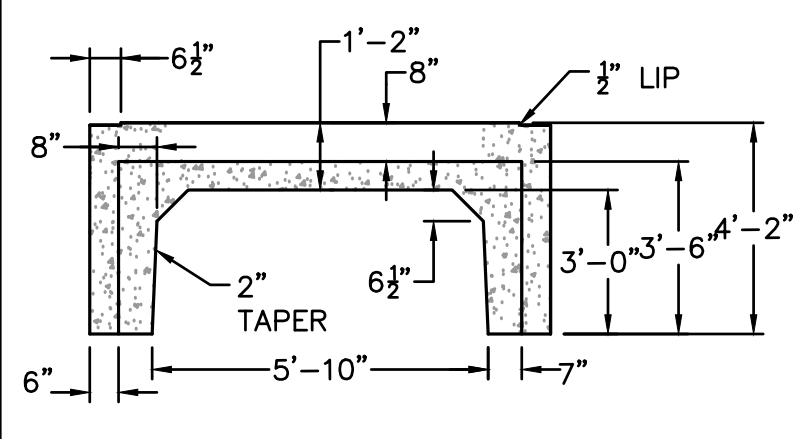


WINDOW

SUBSURFACE SYSTEM #1
 NOT TO SCALE

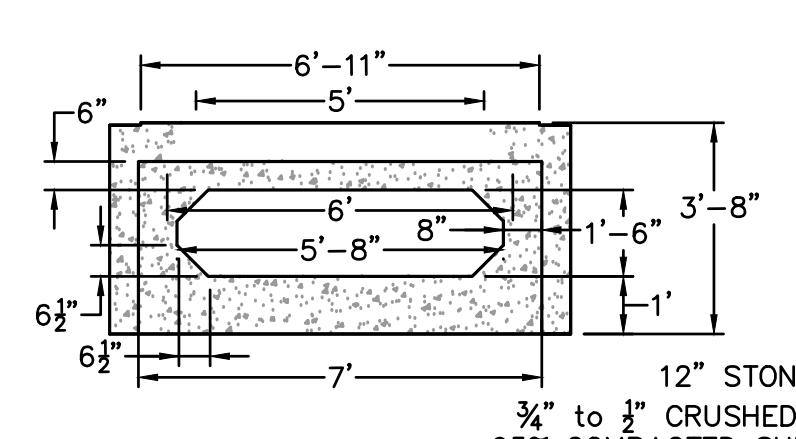


PERFORATED WALL



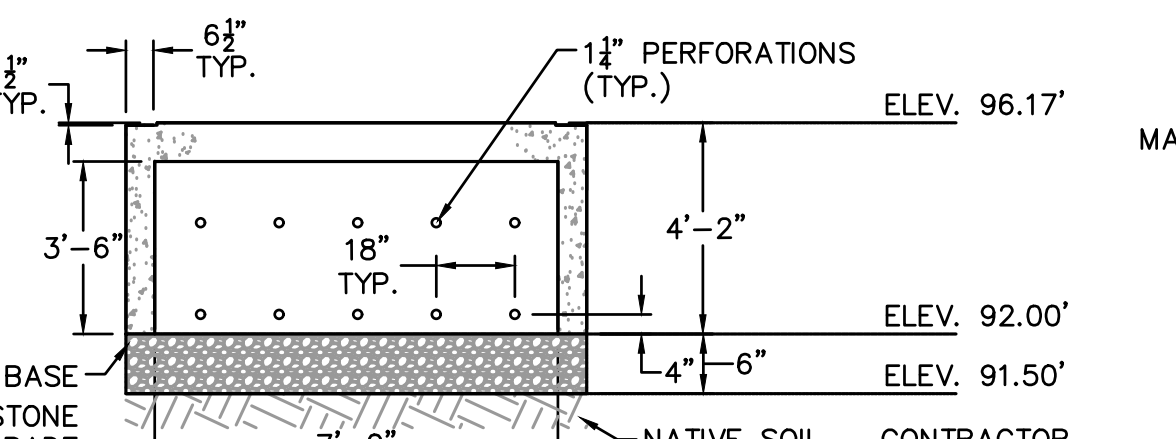
OPEN

*VOLUME CAPACITY
 VOLUME = 23,459 CF

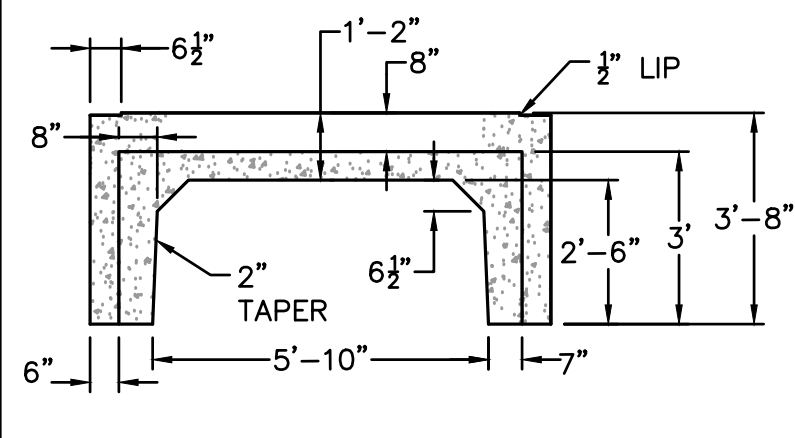


WINDOW

SUBSURFACE SYSTEM #2
 NOT TO SCALE

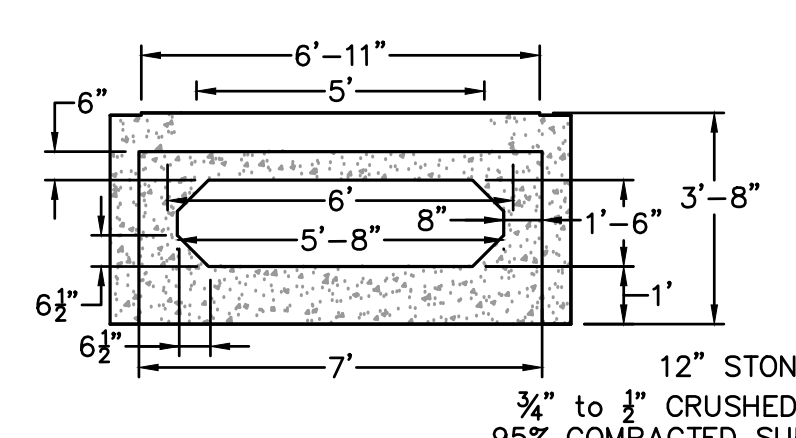


PERFORATED WALL



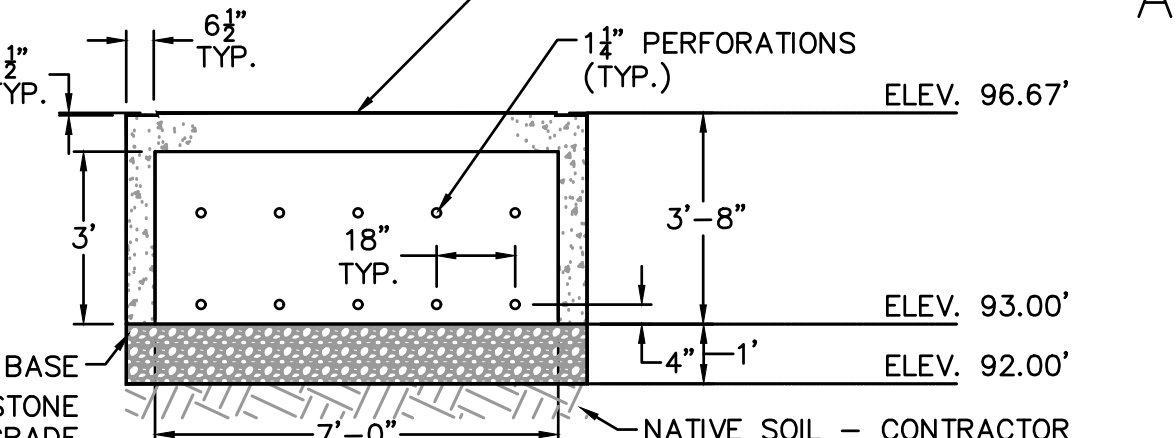
OPEN

*VOLUME CAPACITY
 VOLUME = 19,681 CF

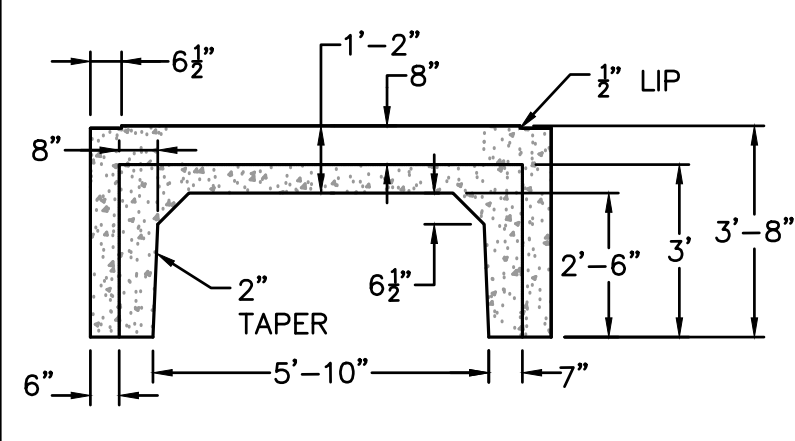


WINDOW

SUBSURFACE SYSTEM #3
 NOT TO SCALE

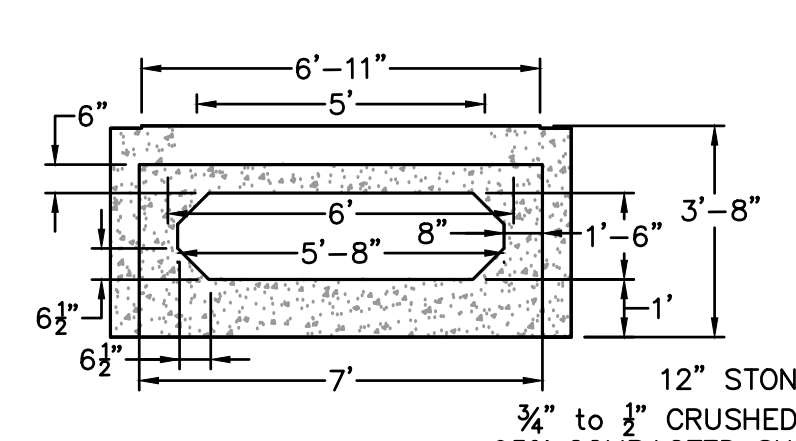


PERFORATED WALL



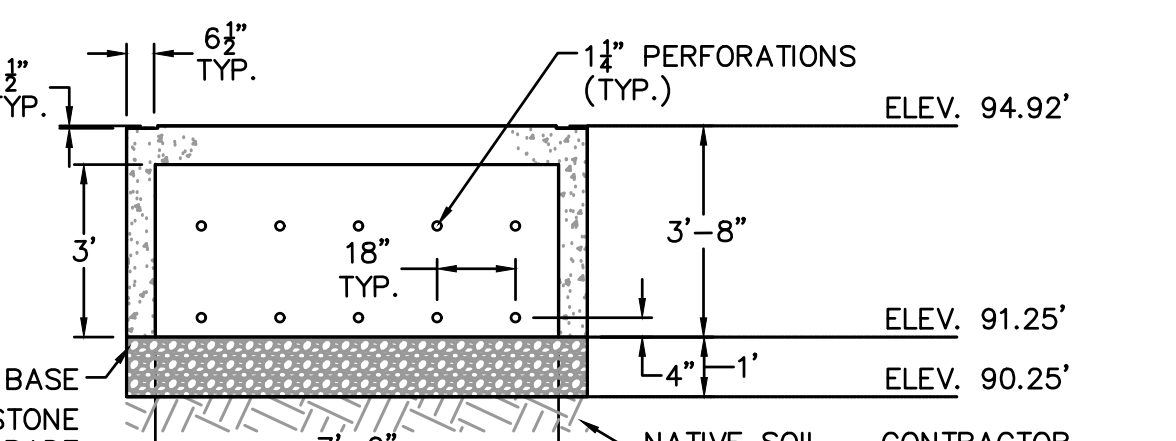
OPEN

*VOLUME CAPACITY
 VOLUME = 6,063 CF

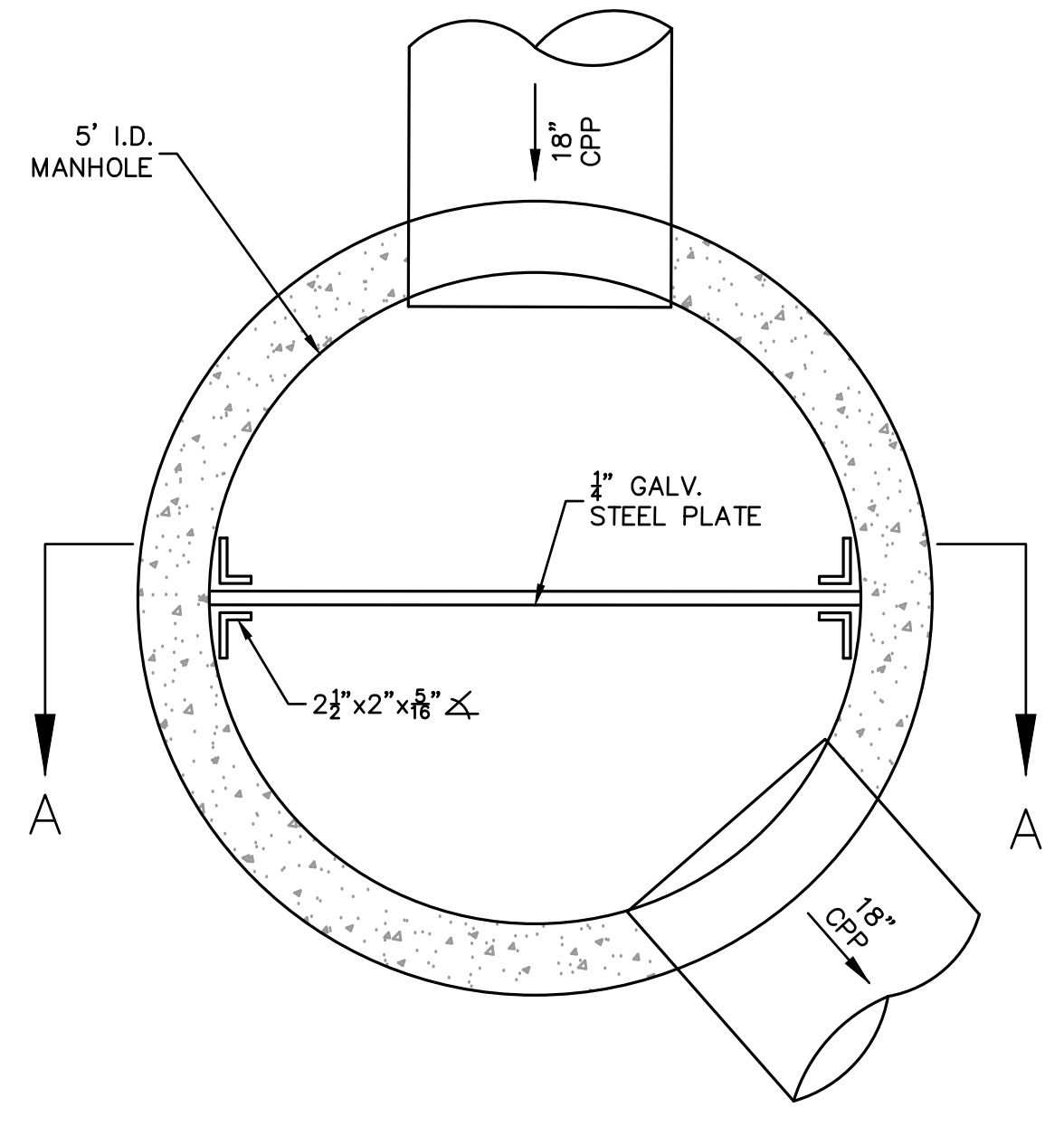


WINDOW

SUBSURFACE SYSTEM #4
 NOT TO SCALE

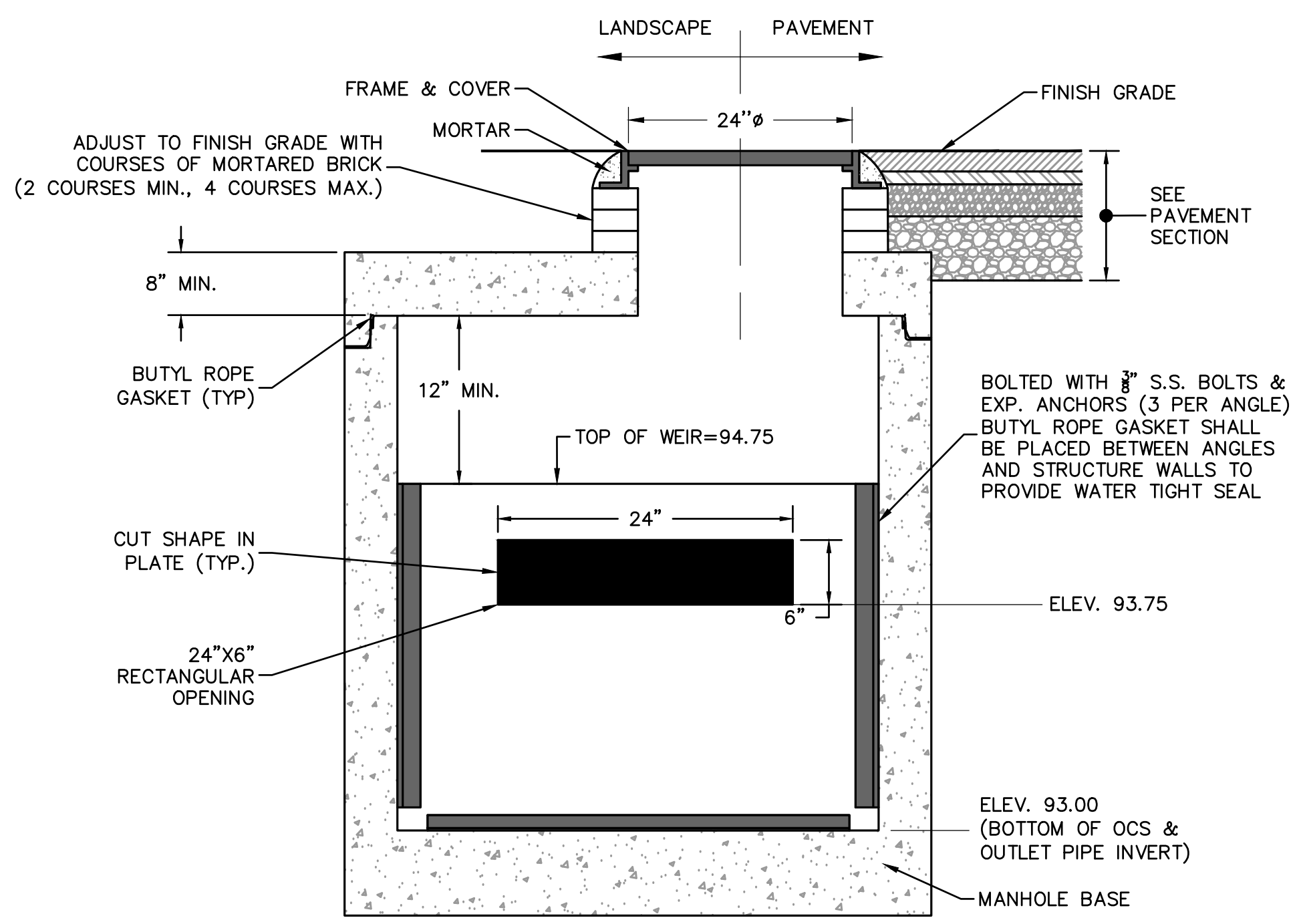


PERFORATED WALL

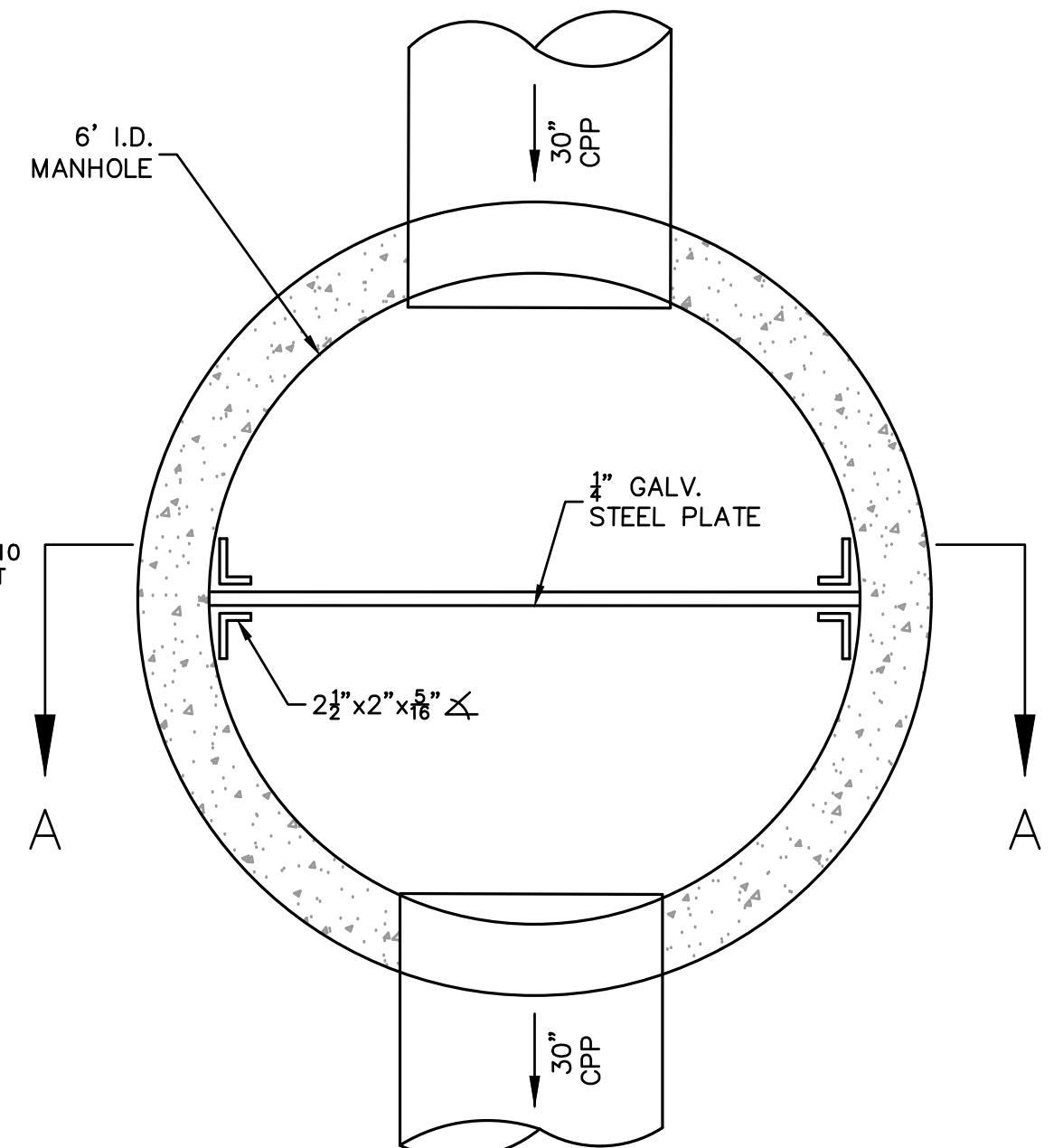


PLAN

OUTLET CONTROL STRUCTURE - OCS 208 (SUBSURFACE SYSTEM #1)
 NOT TO SCALE

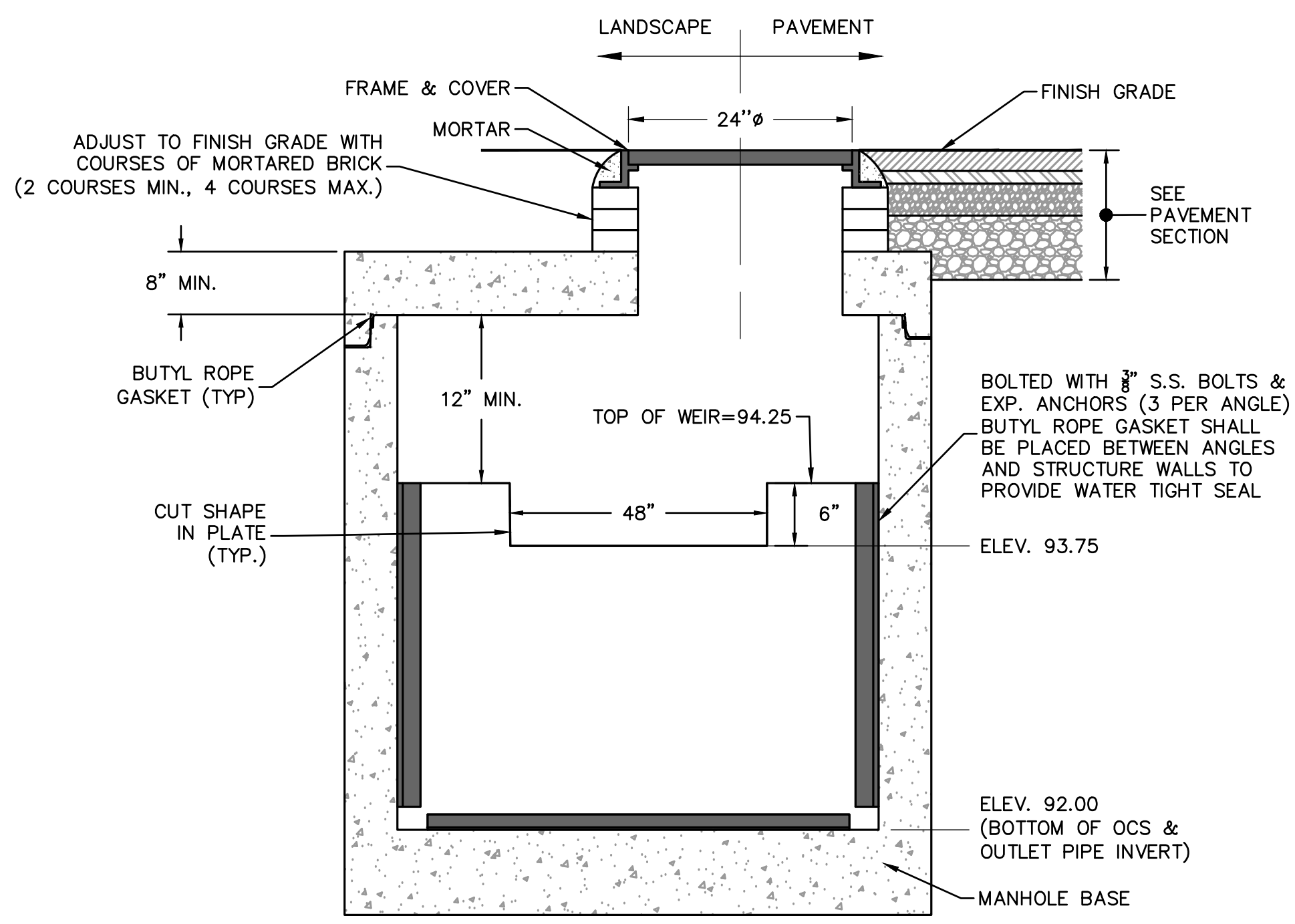


SECTION A-A

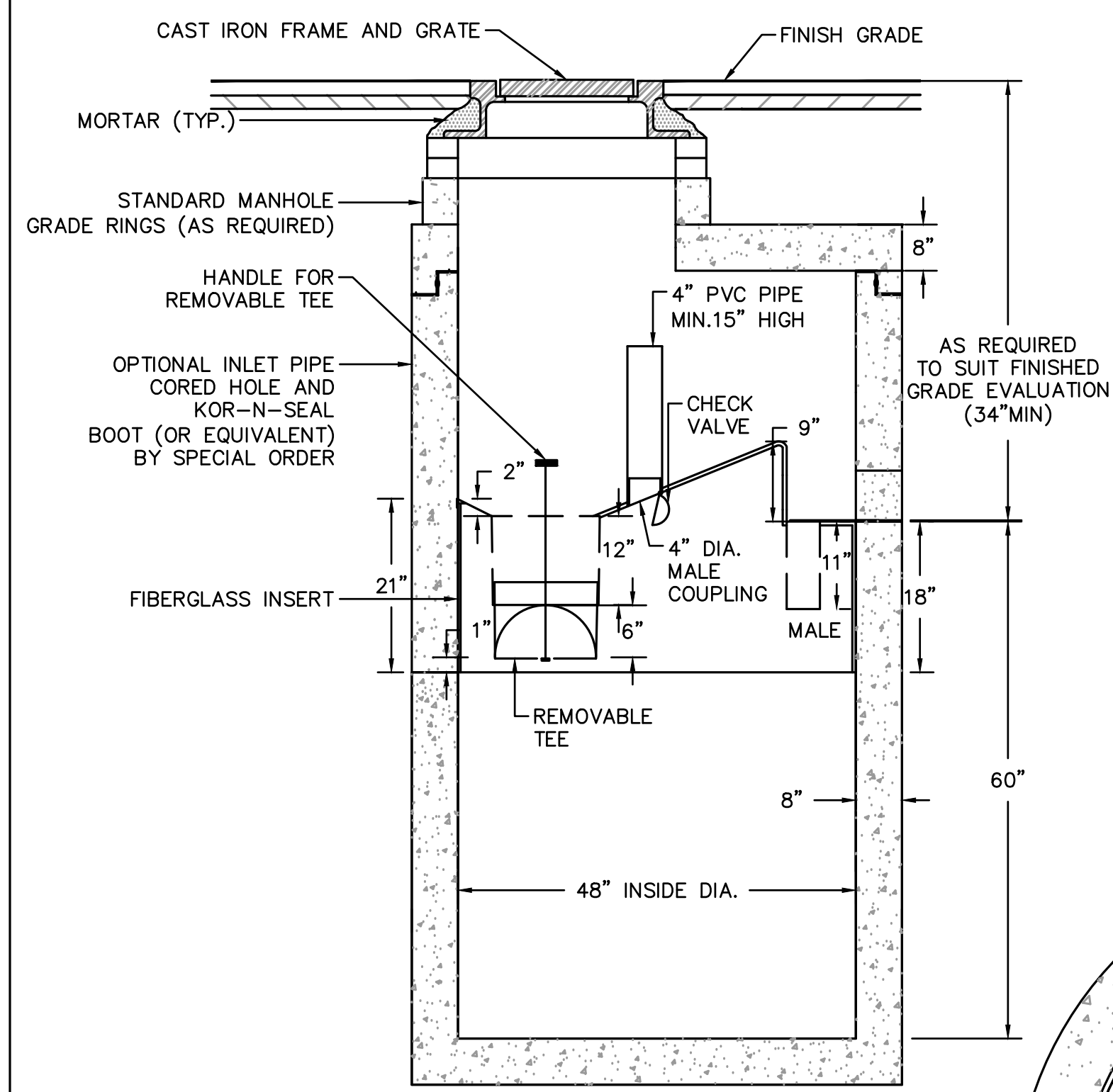


PLAN

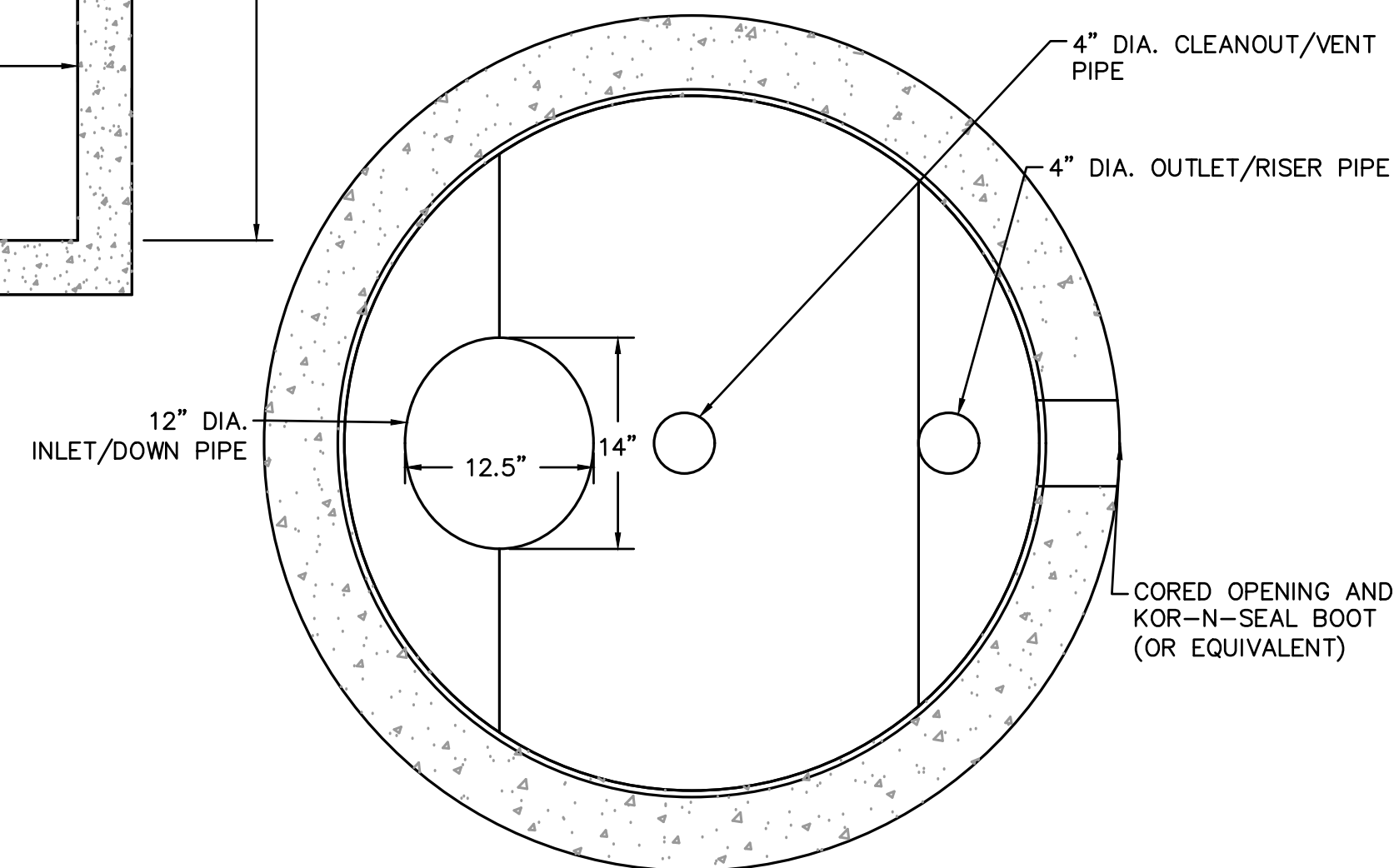
OUTLET CONTROL STRUCTURE - OCS 211 (SUBSURFACE SYSTEM #2)
 NOT TO SCALE



SECTION A-A



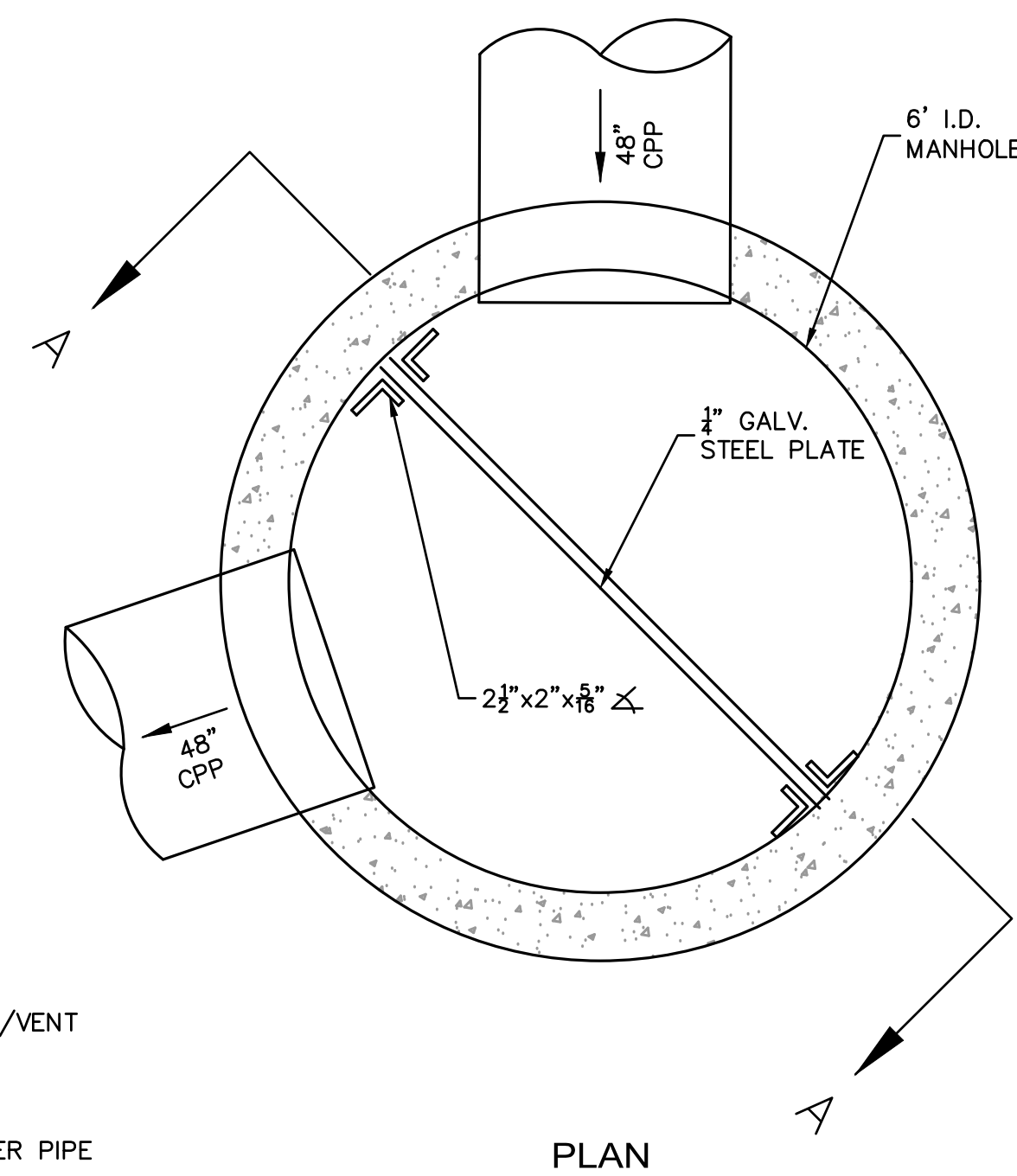
ELEVATION



PLAN VIEW

STORMCEPTOR CATCH BASIN DETAIL

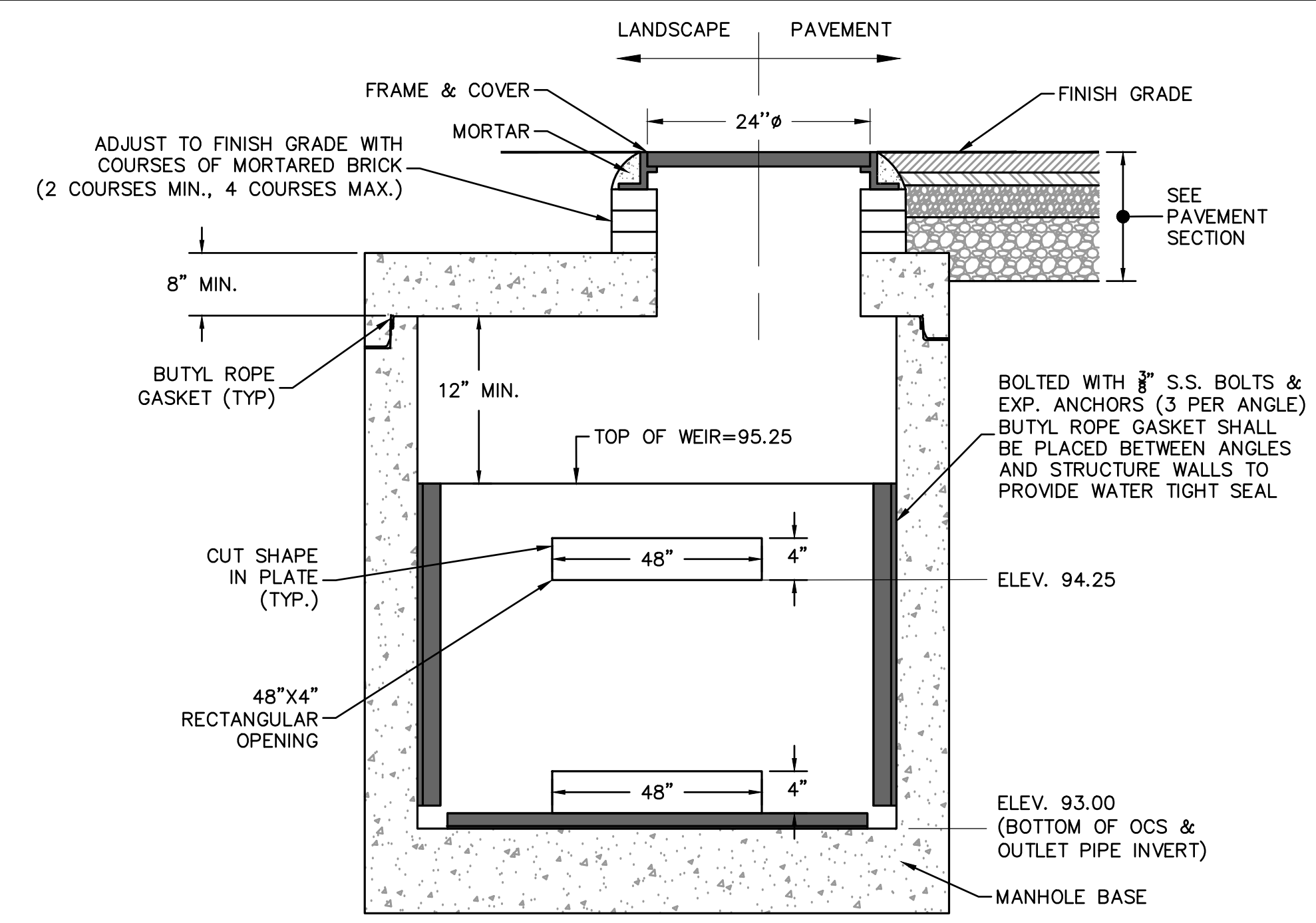
NOT TO SCALE



PLAN

OUTLET CONTROL STRUCTURE - OCS 234 (SUBSURFACE SYSTEM #3)

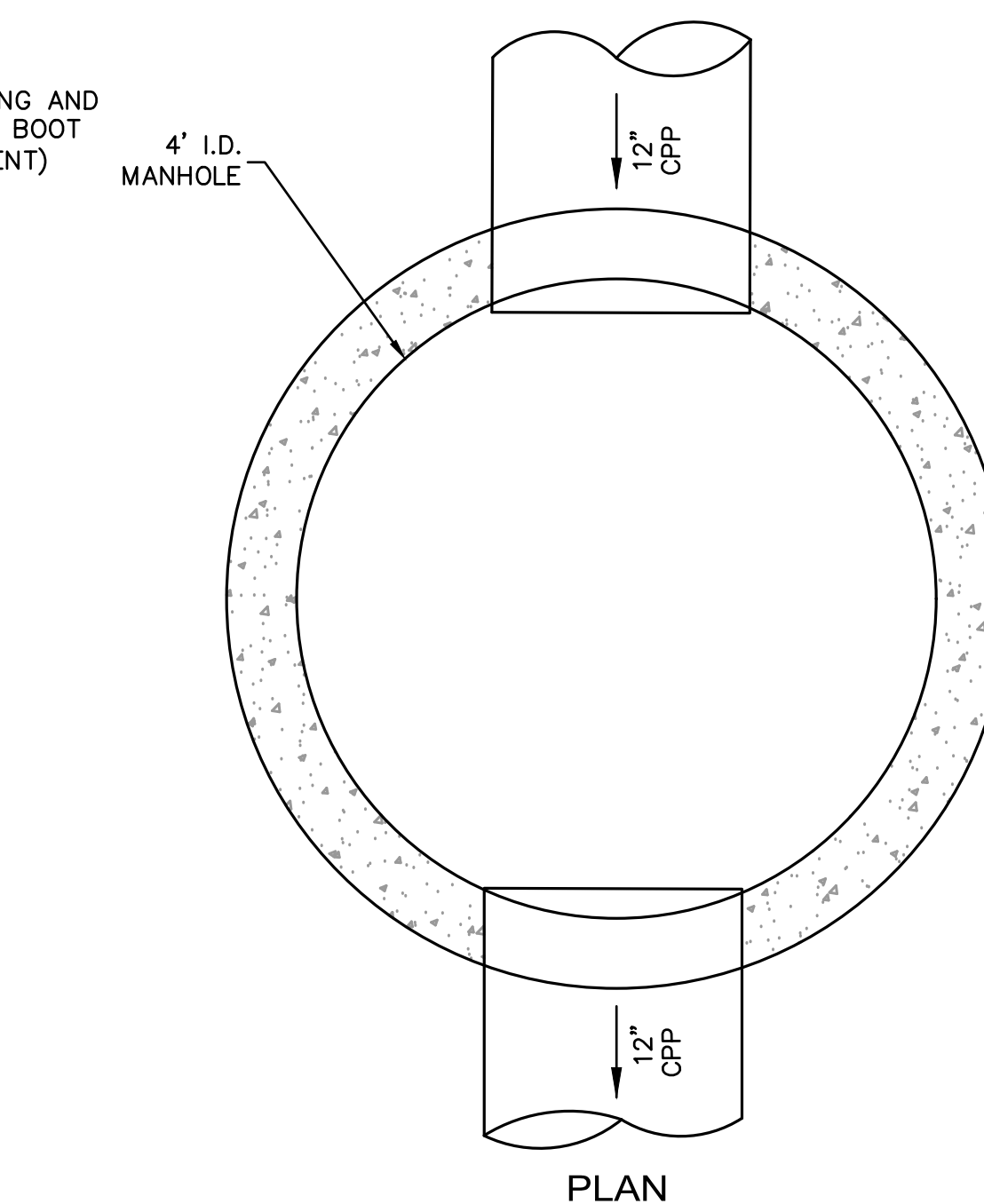
NOT TO SCALE



SECTION A-A

OUTLET CONTROL STRUCTURE - OCS 234 (SUBSURFACE SYSTEM #3)

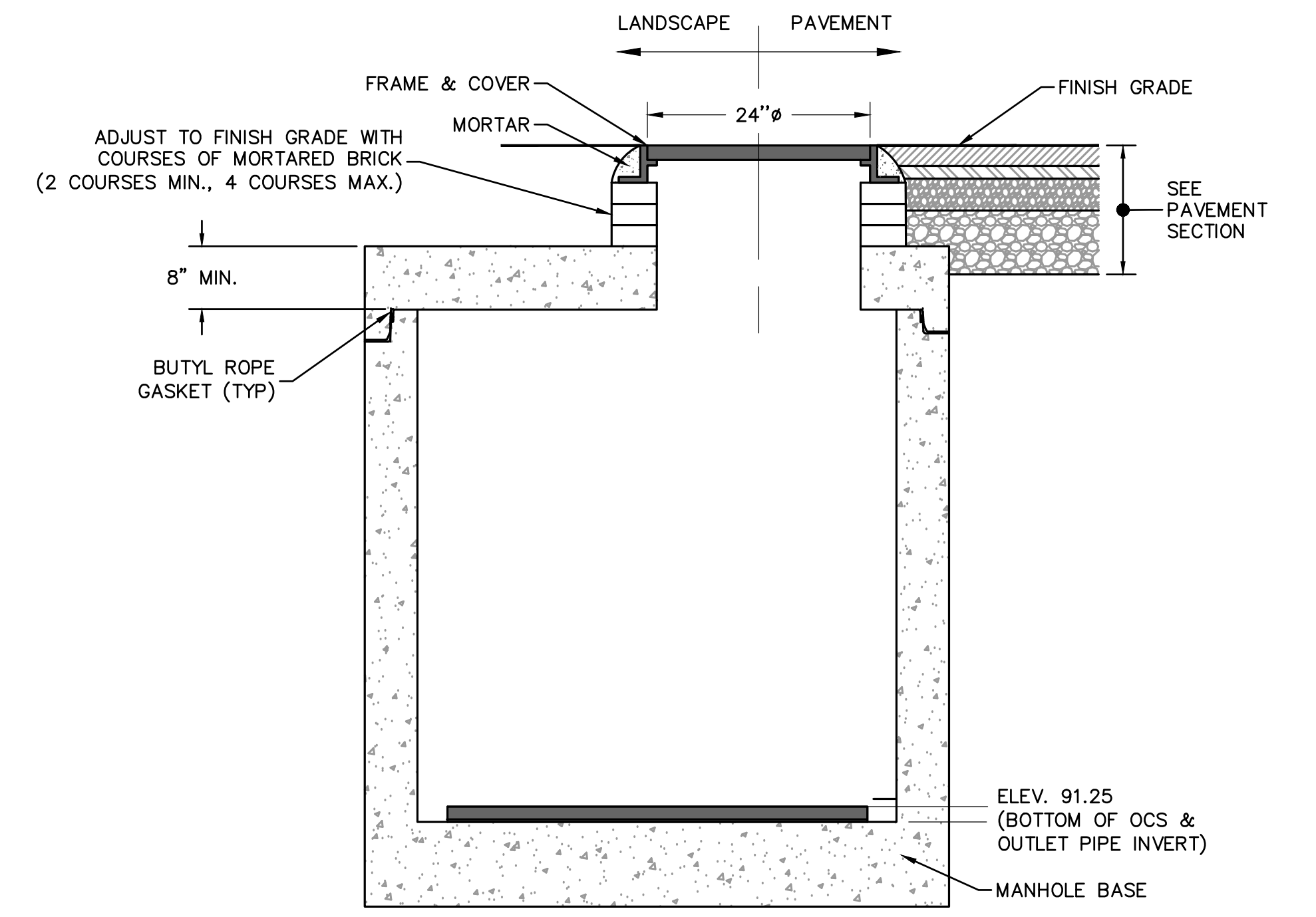
NOT TO SCALE



PLAN

OUTLET CONTROL STRUCTURE - OCS 253 (SUBSURFACE SYSTEM #4)

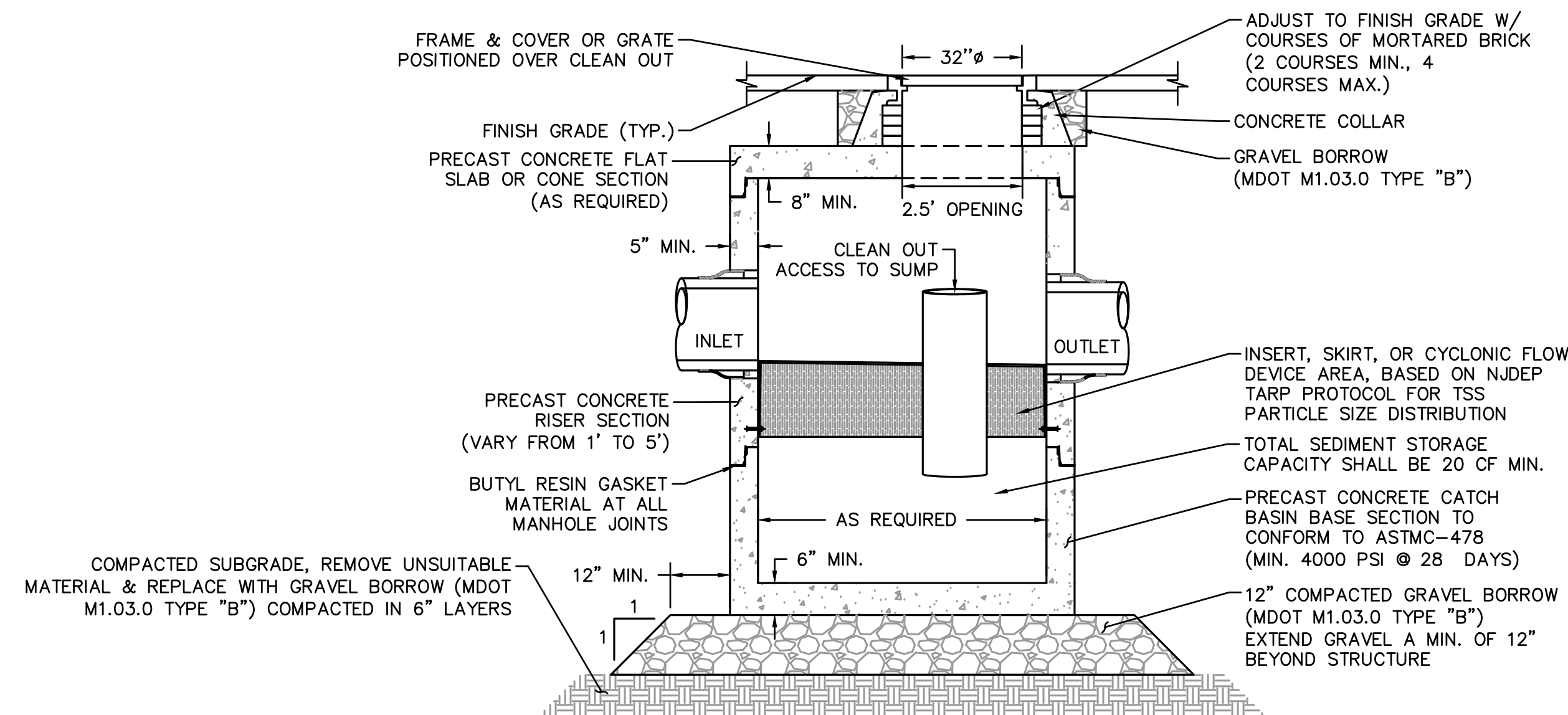
NOT TO SCALE



SECTION A-A

OUTLET CONTROL STRUCTURE - OCS 253 (SUBSURFACE SYSTEM #4)

NOT TO SCALE



NOTE :

1. THE USE OF FLEXIBLE CONNECTIONS IS RECOMMENDED AT THE INLET AND OUTLET WHERE APPLICABLE.
2. THE COVER SHOULD BE POSITIONED OVER THE OUTLET DROP PIPE AND THE OIL CLEANOUT PIPE.
3. STRUCTURE DESIGNED FOR H2O LOADING

WATER QUALITY STRUCTURE DETAIL

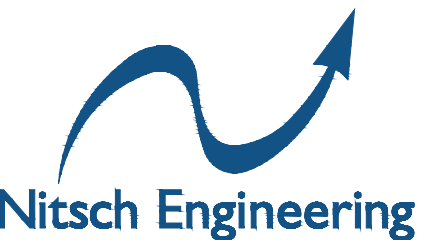
NOT TO SCALE

STRUCTURE NAME	MINIMUM WQF	PEAK FLOW RATE*	MINIMUM SEDIMENT STORAGE CAPACITY	MODEL
WQI 113	0.11 CFS	0.68 CFS	20 CF	STORMCEPTOR STC 450i
WQS 203	1.11 CFS	5.54 CFS	21 CF	STORMCEPTOR STC 450
WQS 204	0.81 CFS	3.57 CFS	20 CF	STORMCEPTOR STC 450
WQS 205	0.94 CFS	5.00 CFS	20 CF	STORMCEPTOR STC 450
WQS 206	1.08 CFS	6.46 CFS	21 CF	STORMCEPTOR STC 450
WQS 207	0.62 CFS	3.49 CFS	20 CF	STORMCEPTOR STC 450
WQS 208	0.70 CFS	3.80 CFS	20 CF	STORMCEPTOR STC 450
WQS 209	0.70 CFS	3.70 CFS	21 CF	STORMCEPTOR STC 450
WQS 212	0.42 CFS	2.02 CFS	20 CF	STORMCEPTOR STC 450
WQS 233	0.21 CFS	2.17 CFS	20 CF	STORMCEPTOR STC 450
WQS 244	0.95 CFS	4.55 CFS	20 CF	STORMCEPTOR STC 450
WQS 245	0.69 CFS	4.00 CFS	20 CF	STORMCEPTOR STC 450
WQS 246	0.85 CFS	4.49 CFS	20 CF	STORMCEPTOR STC 450

* PEAK FLOW RATE BASED ON RATIONAL ANALYSIS FOR A 25-YEAR STORM EVENT. STRUCTURE SHALL BE ABLE TO PASS PEAK FLOW RATE WITHOUT CAUSING A BACKWATER CONDITION.

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Scale: NTS

Drawing Title:
CIVIL DETAILS V

Drawing No.:

C-604