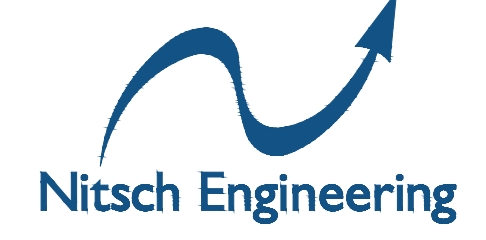


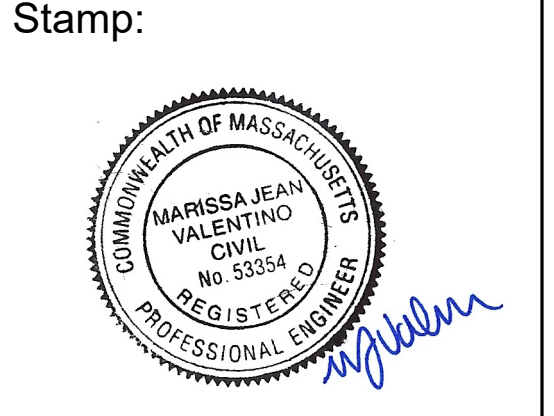
Project:  
**P&G ANDOVER  
 MANUFACTURING  
 CENTER  
 ENHANCEMENT  
 PROJECT**  
 30 BURTT ROAD  
 ANDOVER, MA 01810



**PERMITTING SET**  
 NOT FOR  
 CONSTRUCTION

16 APRIL 2024

Key Plan:

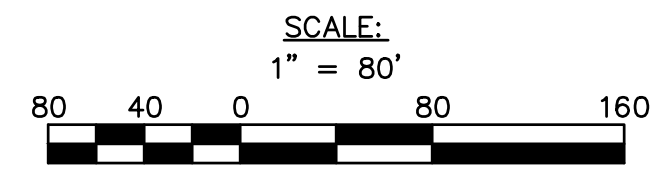


No.	Date	Revision
13	07/12/2024	BULLETIN 13
14	07/30/2024	RESPONSE TO PEER REVIEW COMMENTS

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

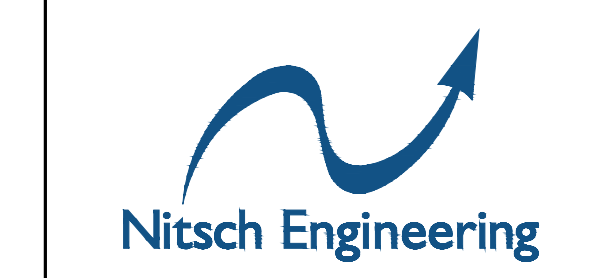
Drawing Title:  
**SNOW STORAGE AND  
 FIRETRUCK TURNING  
 PLAN**

Drawing No.:  
**C-003**





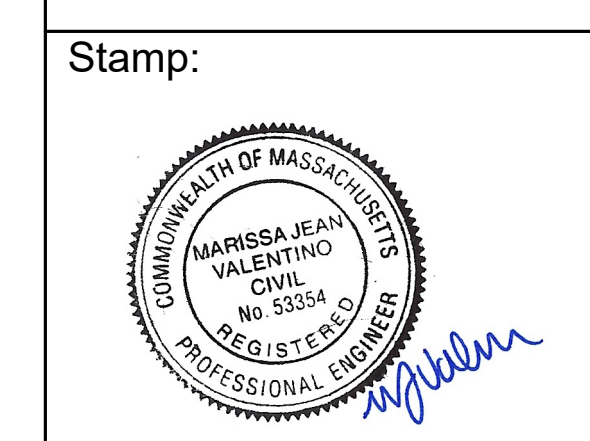




**PERMITTING SET**  
 NOT FOR  
 CONSTRUCTION

16 APRIL 2024

Key Plan:

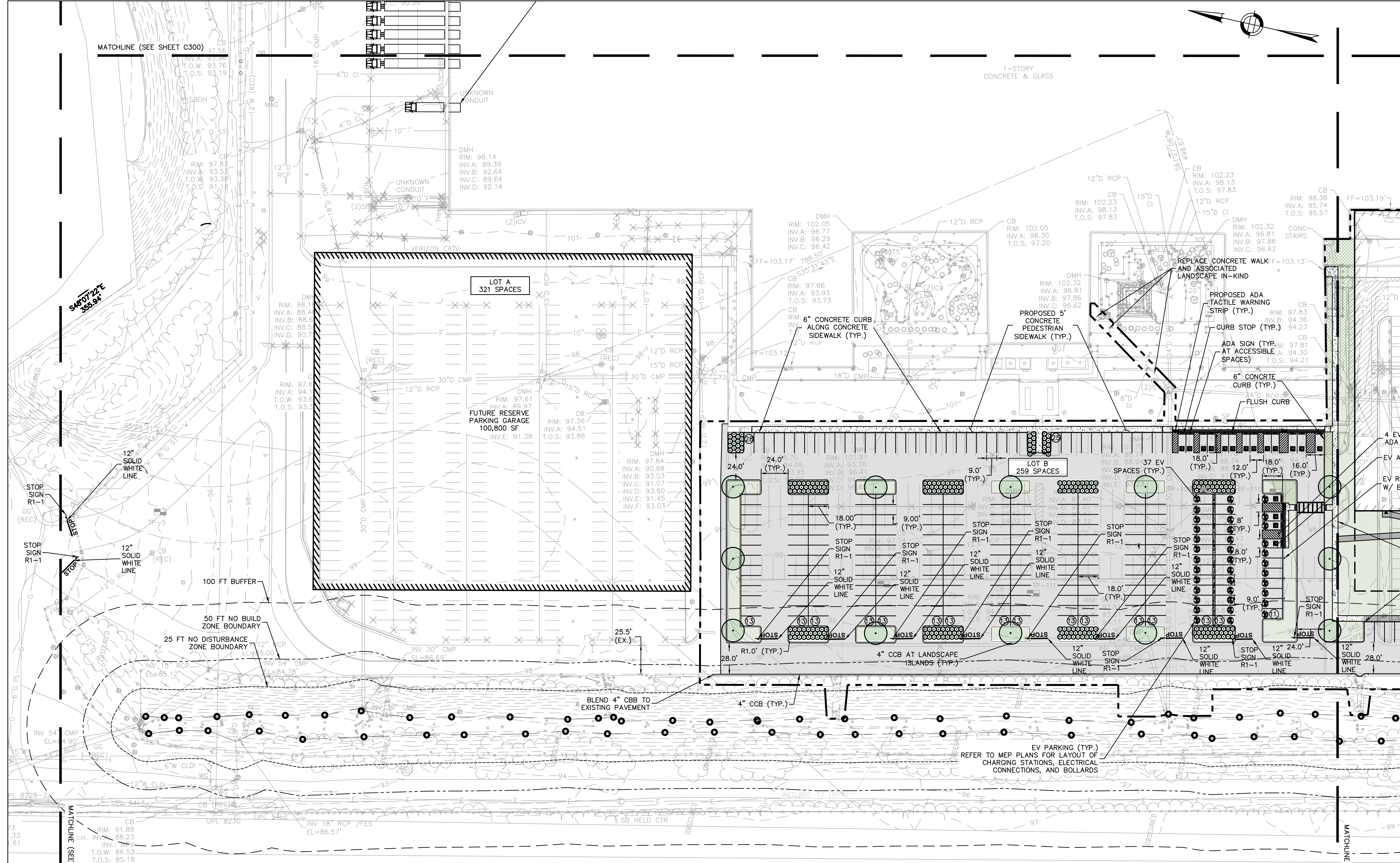


No.	Date	Revision
13	07/12/2024	BULLETIN 13
14	07/30/2024	RESPONSE TO PEER REVIEW COMMENTS

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

Drawing Title:  
**CIVIL LAYOUT  
 PLAN**

Drawing No.:  
**C-302**

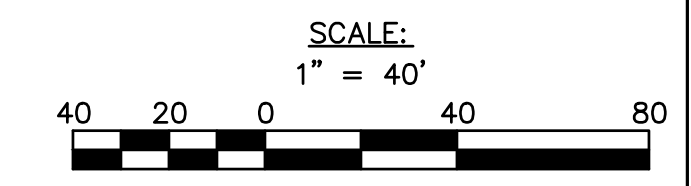


TOTAL PARKING COUNT BY TIER FOR PROPOSED GARAGE		ADA SPACE BY TIER		EV SPACES BY TIER	
GRADE LEVEL	330	GRADE LEVEL	8	GRADE LEVEL	38 (INCL 1 VAN)
TIER 1	337	TIER 1	8	TIER 1	38
TIER 2	337	TIER 2	8	TIER 2	38
TIER 3	337	TIER 3	8	TIER 3	38
ROOF (TIER 4)	278	ROOF (TIER 4)	8	ROOF (TIER 4)	38
TOTALS	1619	TOTALS	32	SUB-TOTAL	190
		ADA VAN SPACE	6	LOT B AND C	36
				TOTAL	226 EV

OVERALL SPACE REQUIREMENT								
USES	SF/USE GROSS	SF/USE NET	PARKING RATIO	SPACES REQUIRED	EXISTING SPACES	EXISTING TO REMAIN	PROPOSED NEW	FINAL TOTAL SPACES
WAREHOUSE	N/A	330,625	600 SF NFA	551				
MANUFACTURING	N/A	300,985	300 SF NFA	1,003				
OFFICE	103,977	N/A	300 SF GFA	347				
LABORATORY	10,555	N/A	300 SF GFA	35				
ACCESSORY	40,624	N/A	N/A					
<b>TOTAL</b>				<b>1,936</b>	<b>1,001</b>	<b>321</b>	<b>333</b>	<b>654</b>

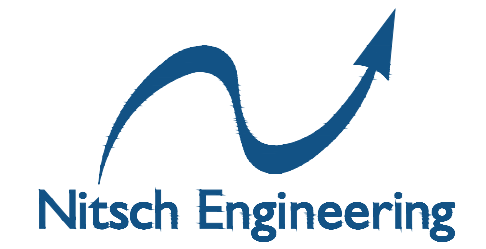
OTHER REQUIREMENTS OF PROVIDED SURFACE PARKING			
DISABLED ADA SPACES	PERCENTAGE REQUIRED	TOTAL SPACES REQUIRED	SPACES PROPOSED
ADA SPACES	2%	14	14
ADA VAN SPACES	1/8 OF ADA SPACES	3	3
EV SPACES	10.95%	36.5	37
EV VAN SPACES	AT LEAST 1	1	4

NOTE:  
 1. REFER TO SHEET C-001 FOR CIVIL NOTES, LEGEND AND ABBREVIATIONS.  
 2. REFER TO SHEETS C-609 TO C-611 FOR TEST PIT LOGS.



NUMBER OF DUMPSTERS - 5





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16 APRIL 2024

Key Plan:

Stamp:

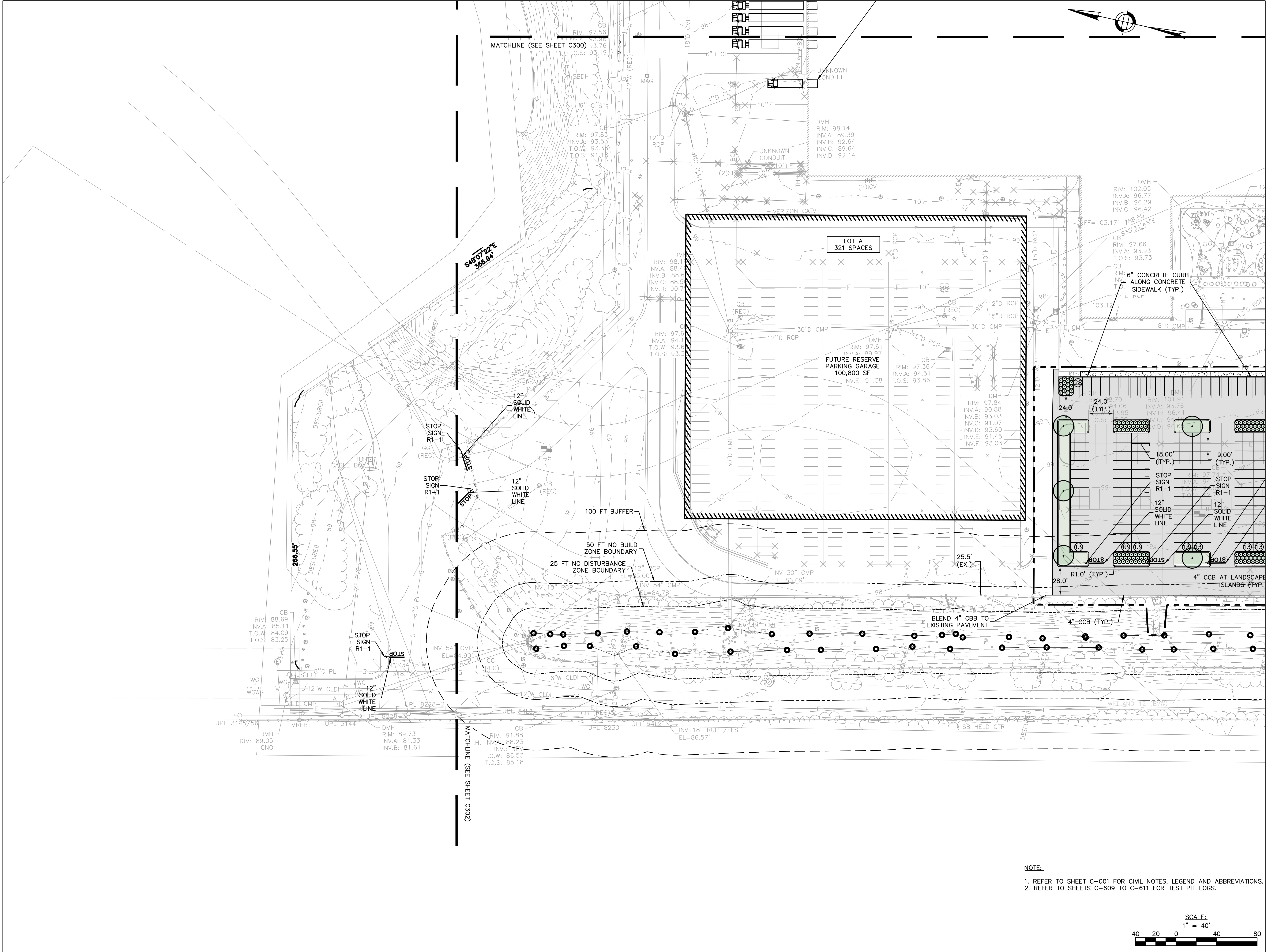


No.	Date	Revision
13	07/12/2024	BULLETIN 13
14	07/30/2024	RESPONSE TO PEER REVIEW COMMENTS

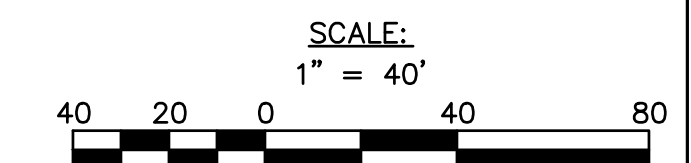
Job No.: 15363  
 Drawn By: BJB/OFY/LMC  
 Checked By: DLC  
 Date: 04/16/2024  
 Scale: AS NOTED

Drawing Title:  
**CIVIL LAYOUT  
 PLAN**

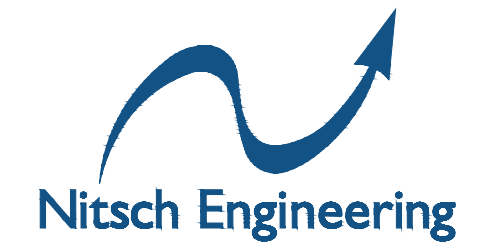
Drawing No.:  
**C-304**



**NOTE:**  
 1. REFER TO SHEET C-001 FOR CIVIL NOTES, LEGEND AND ABBREVIATIONS.  
 2. REFER TO SHEETS C-609 TO C-611 FOR TEST PIT LOGS.







**PERMITTING SET**  
 NOT FOR  
 CONSTRUCTION

16 APRIL 2024

Key Plan:

Stamp:

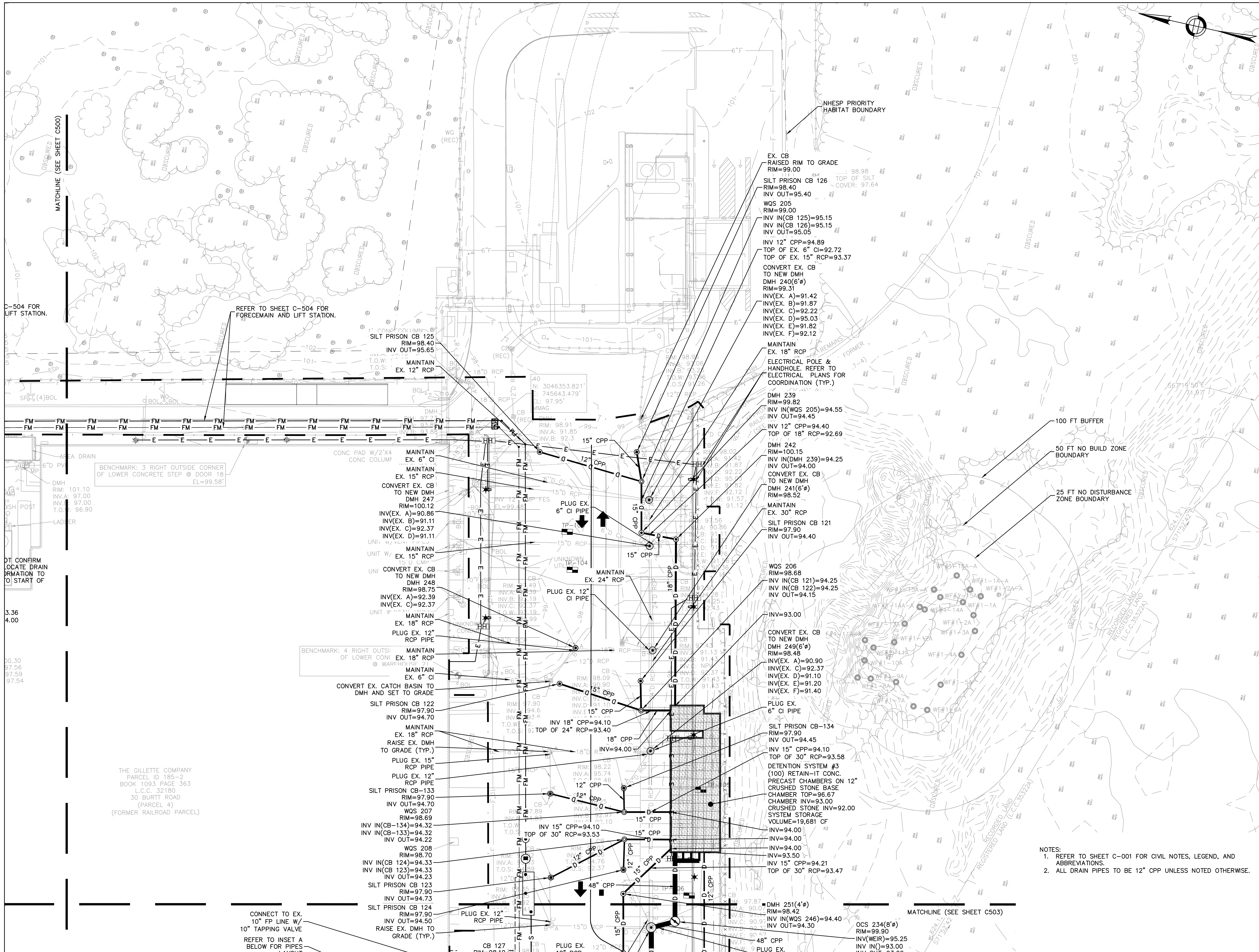


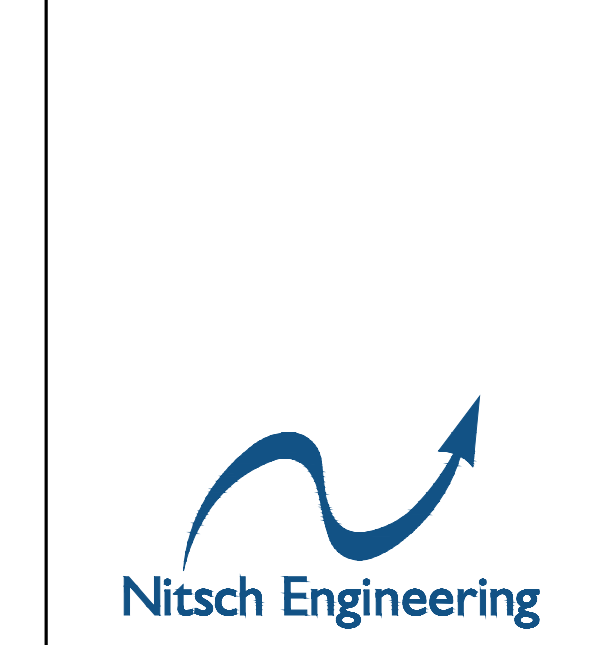
No.	Date	Revision
13	07/12/2024	BULLETIN 13
14	07/30/2024	RESPONSE TO PEER REVIEW COMMENTS

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**

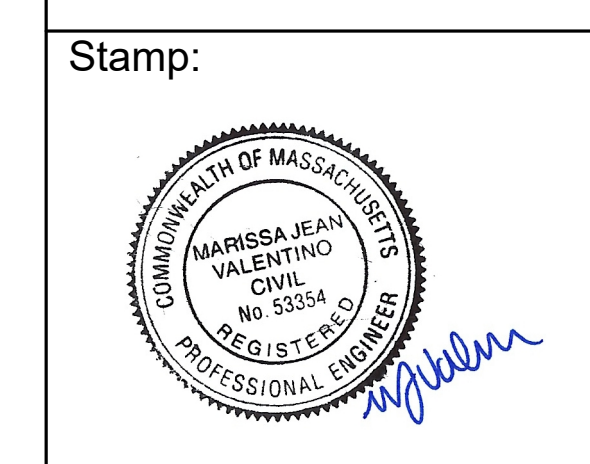




**PERMITTING SET**  
 NOT FOR  
 CONSTRUCTION

16 APRIL 2024

Key Plan:

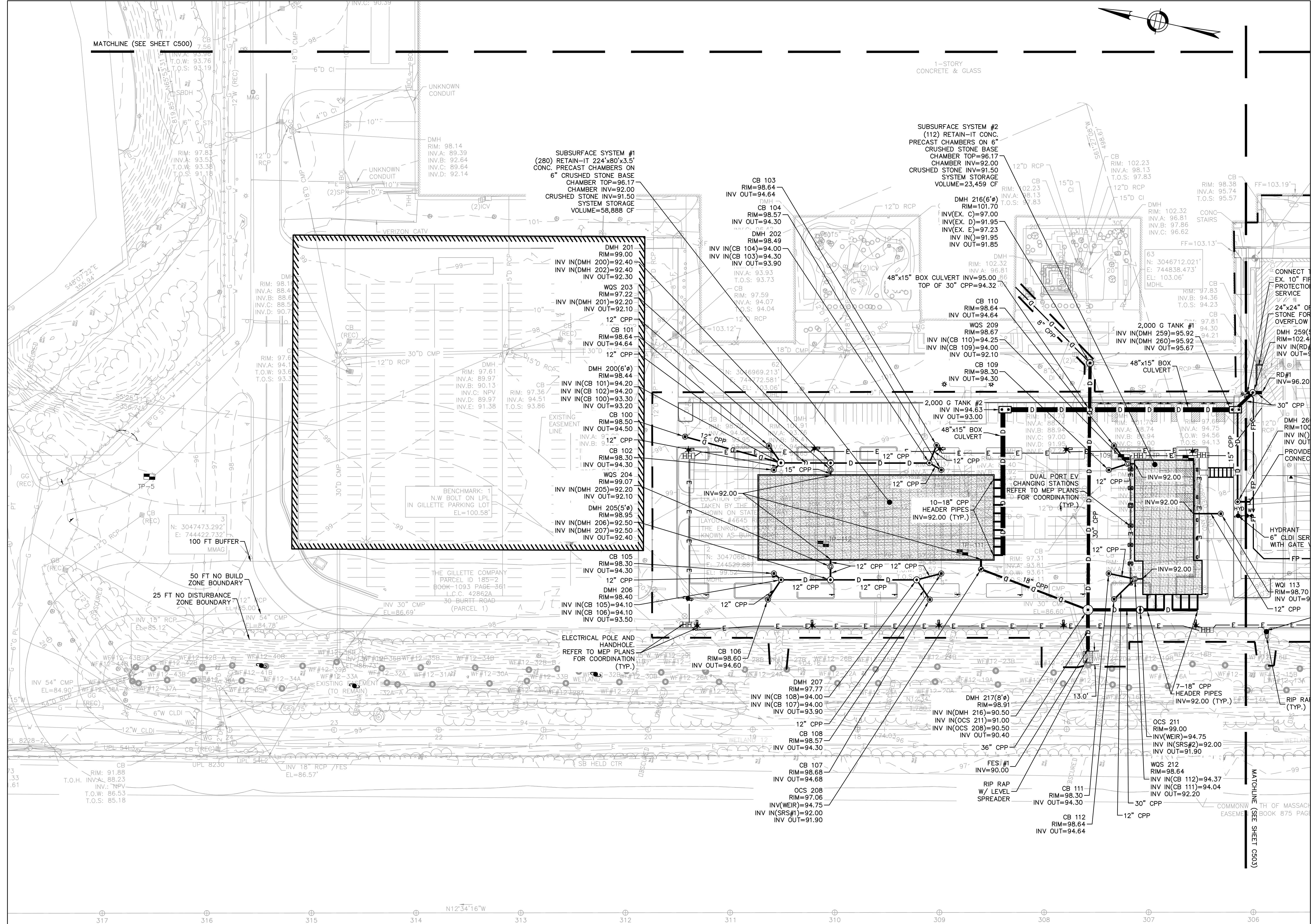


No.	Date	Revision
13	07/12/2024	BULLETIN 13
14	07/30/2024	RESPONSE TO PEER REVIEW COMMENTS

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-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.



**PERMITTING SET**  
 NOT FOR  
 CONSTRUCTION

16 APRIL 2024

Key Plan:

Stamp:

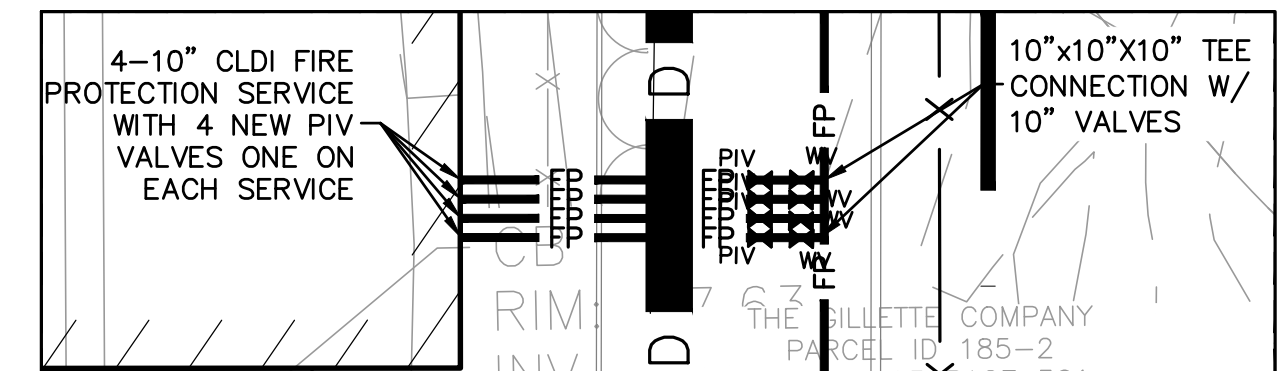
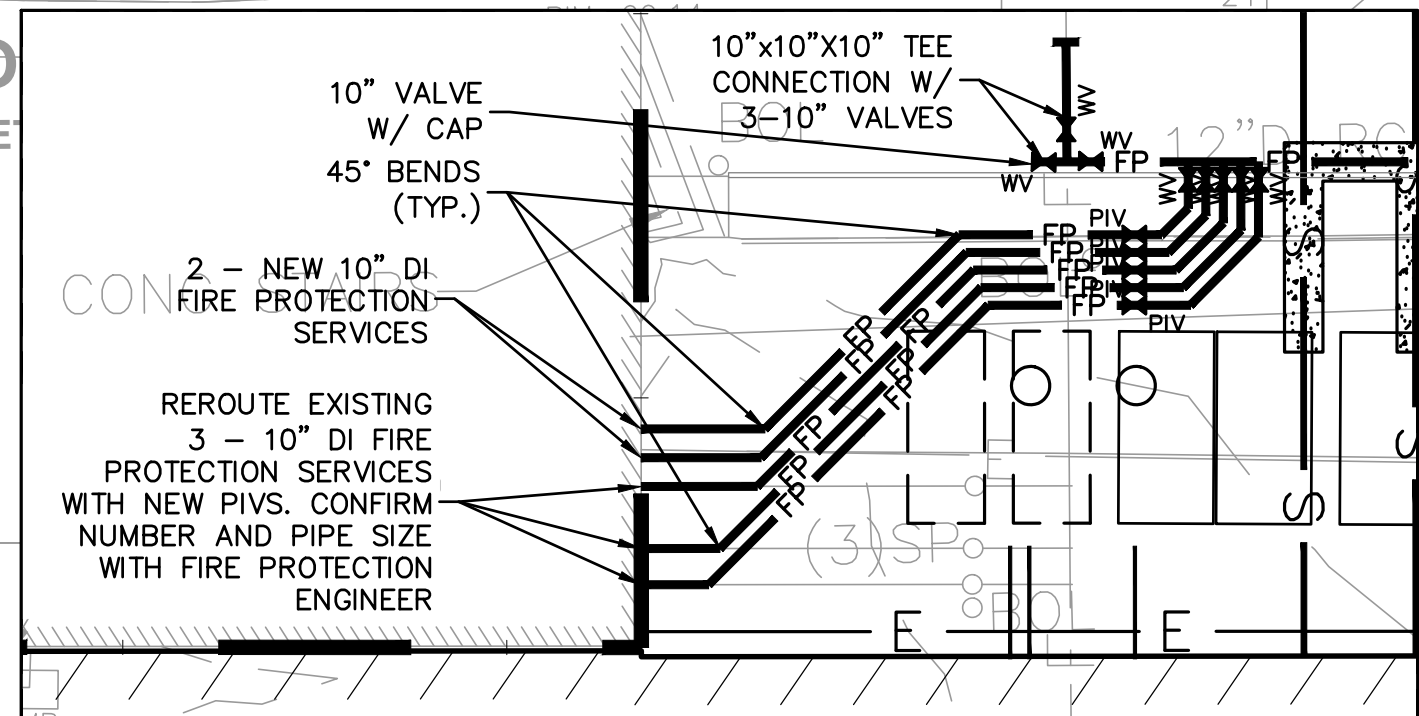
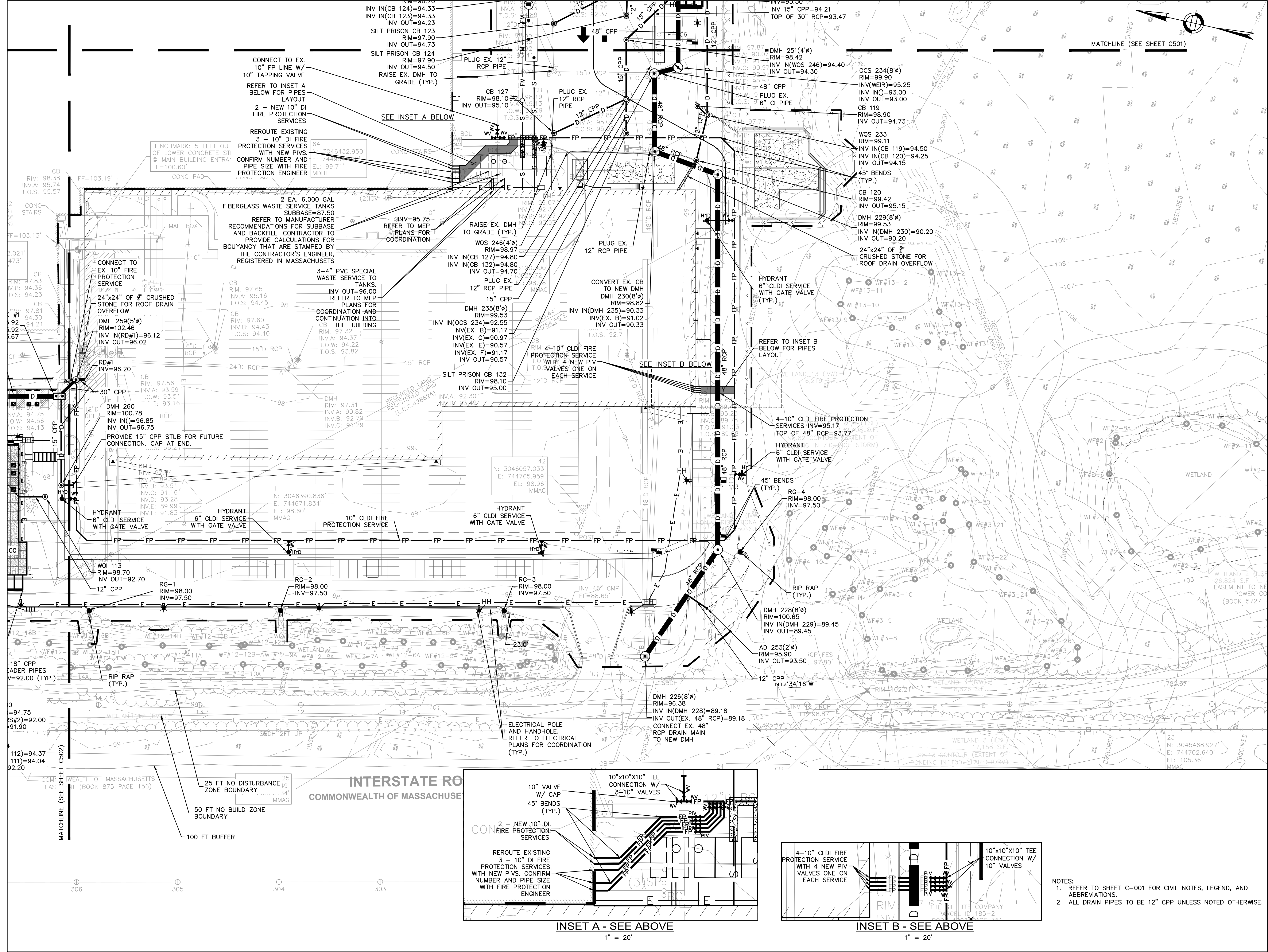


No.	Date	Revision
13	07/12/2024	BULLETIN 13
14	07/30/2024	RESPONSE TO PEER REVIEW COMMENTS

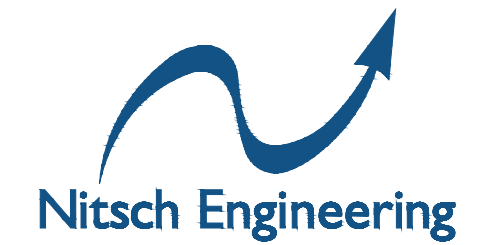
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Drawn By:	BJB/OFY/LMC
Checked By:	DLC
Date:	04/16/2024
Scale:	AS NOTED

Drawing Title:  
**SITE UTILITY  
 PLAN**

Drawing No.:  
**C-503**



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



**PERMITTING SET**

NOT FOR  
 CONSTRUCTION

16 APRIL 2024

Key Plan:

Stamp:



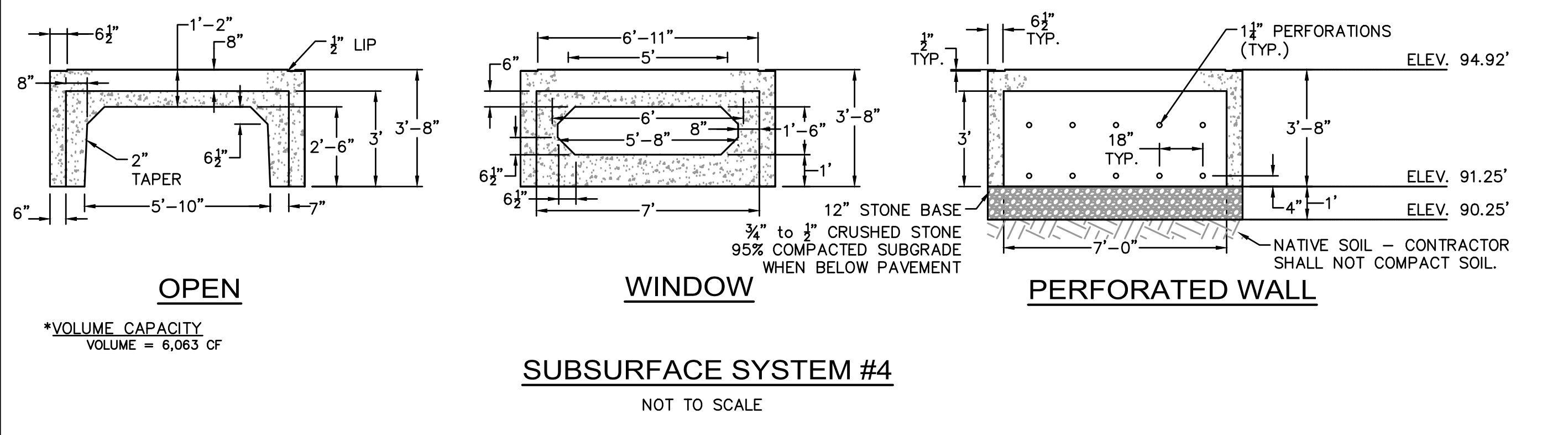
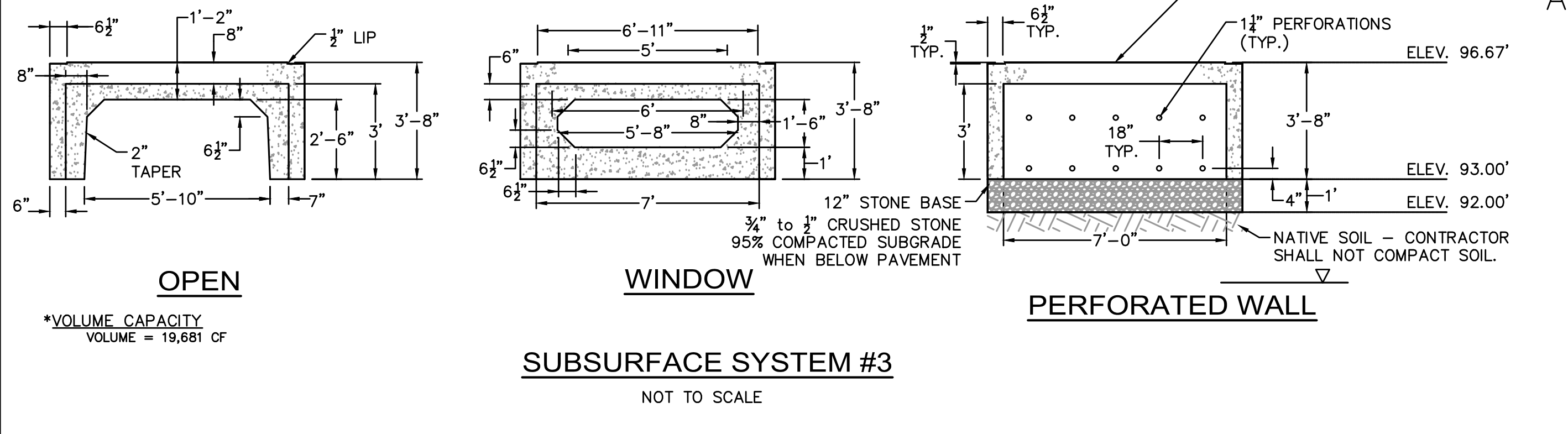
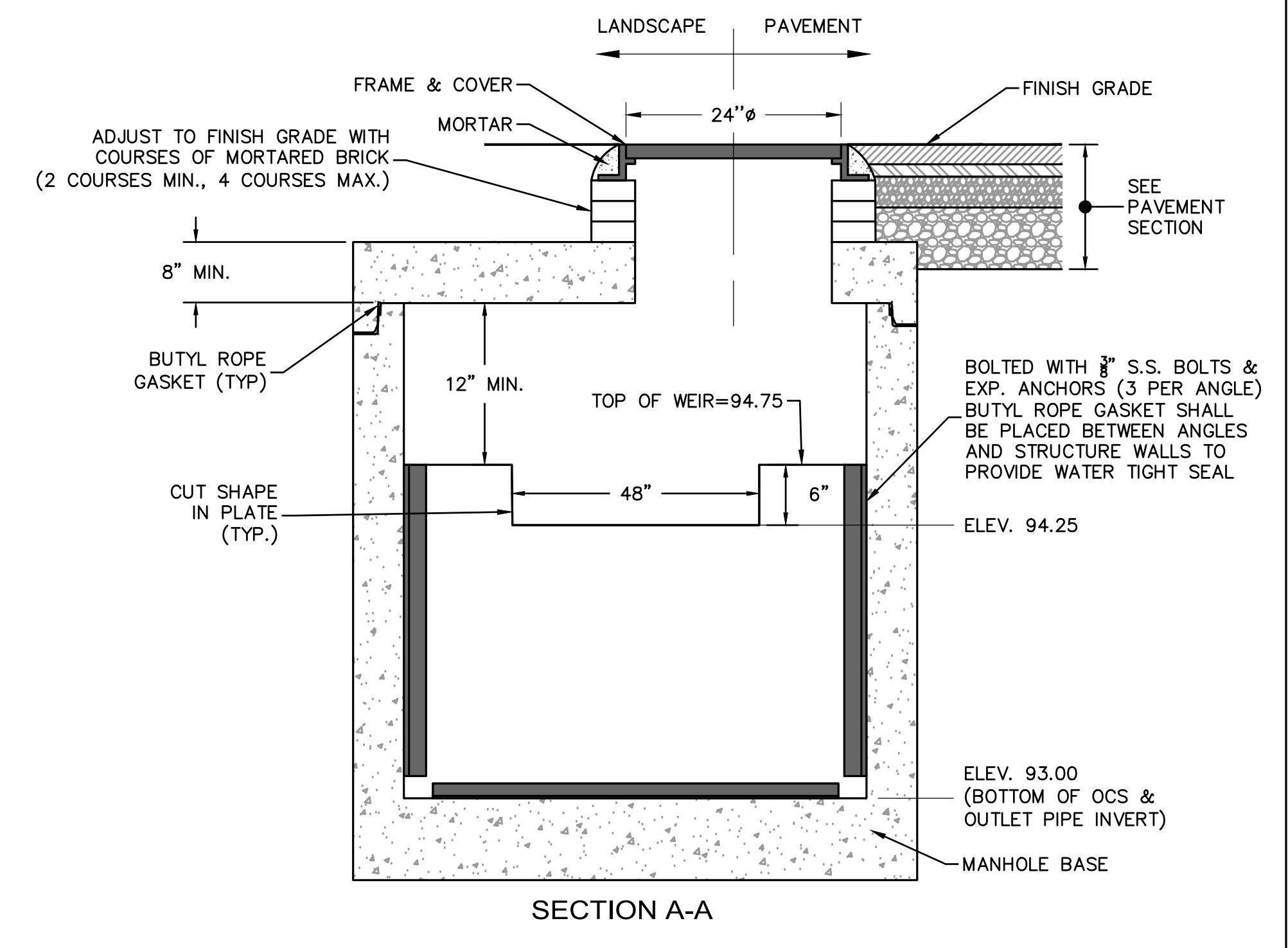
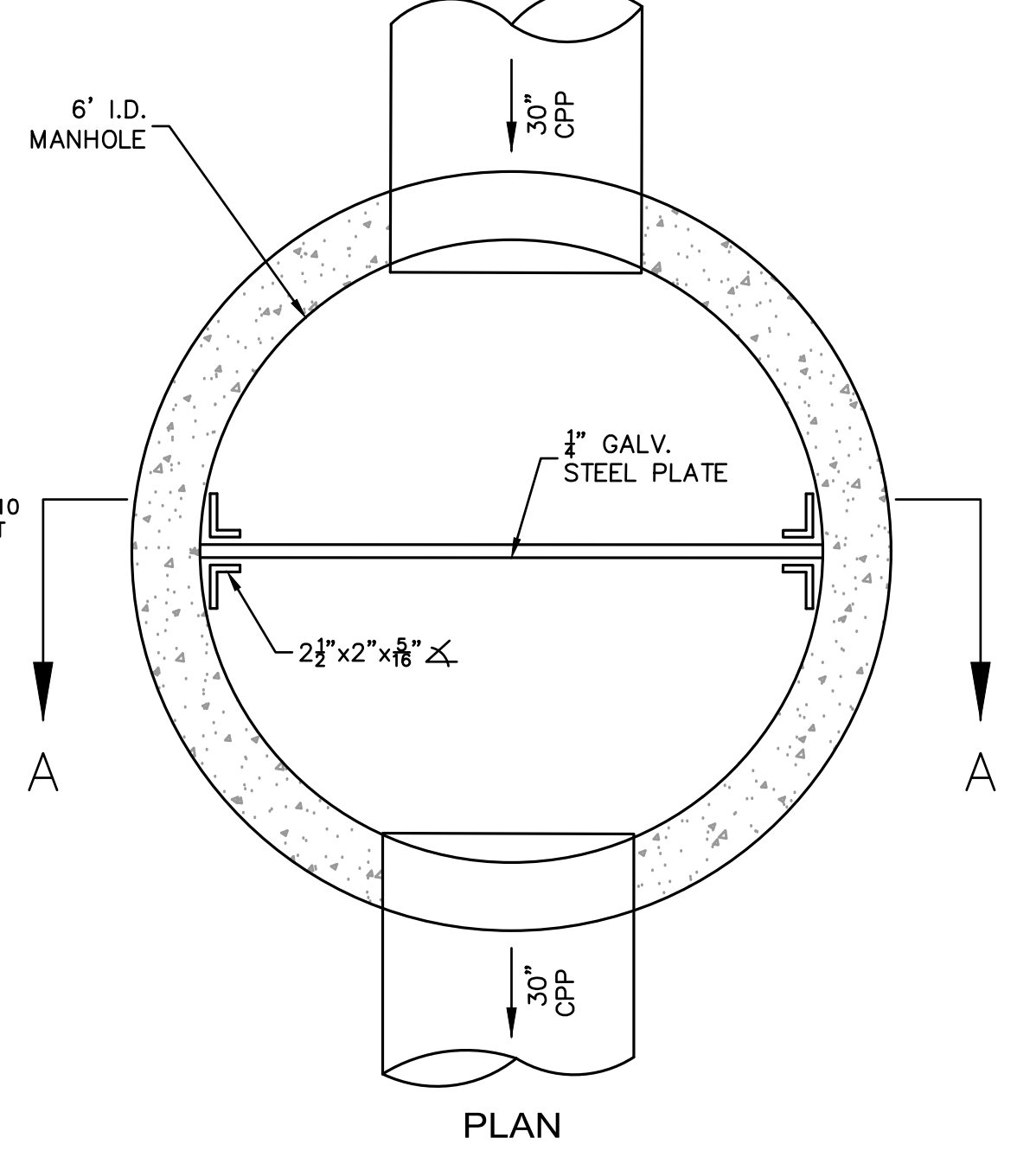
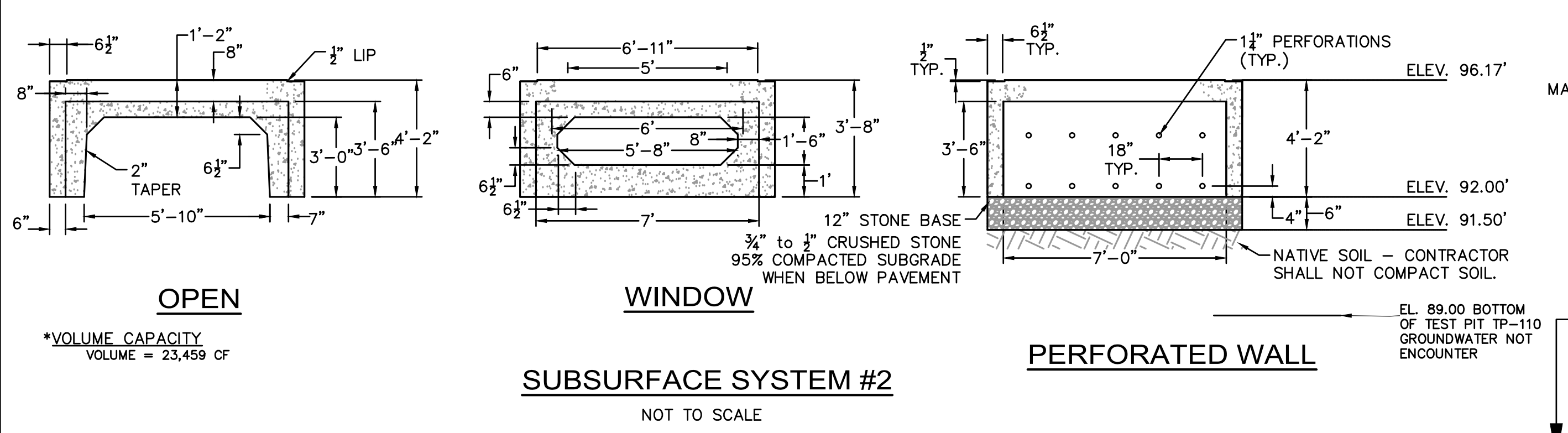
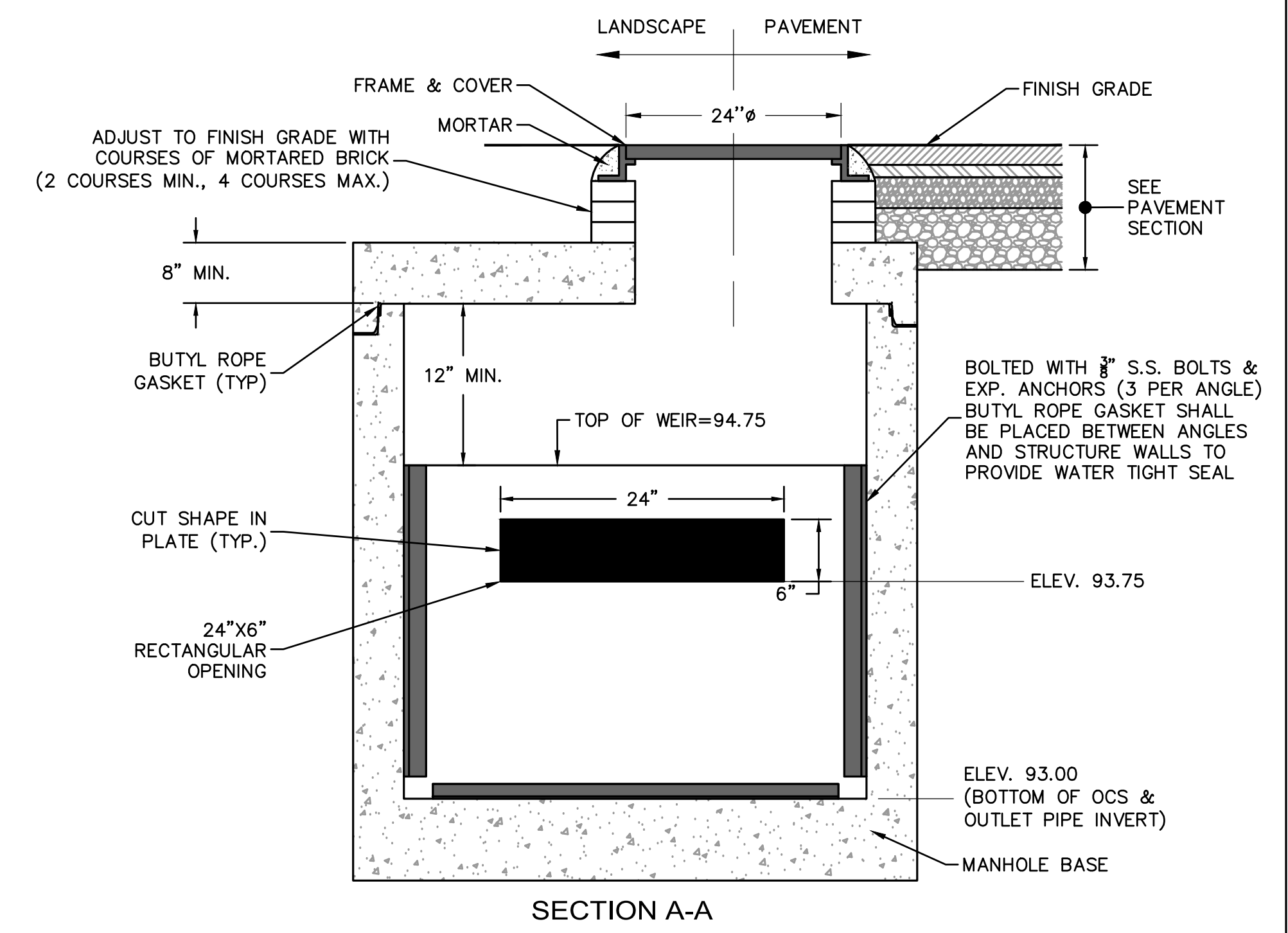
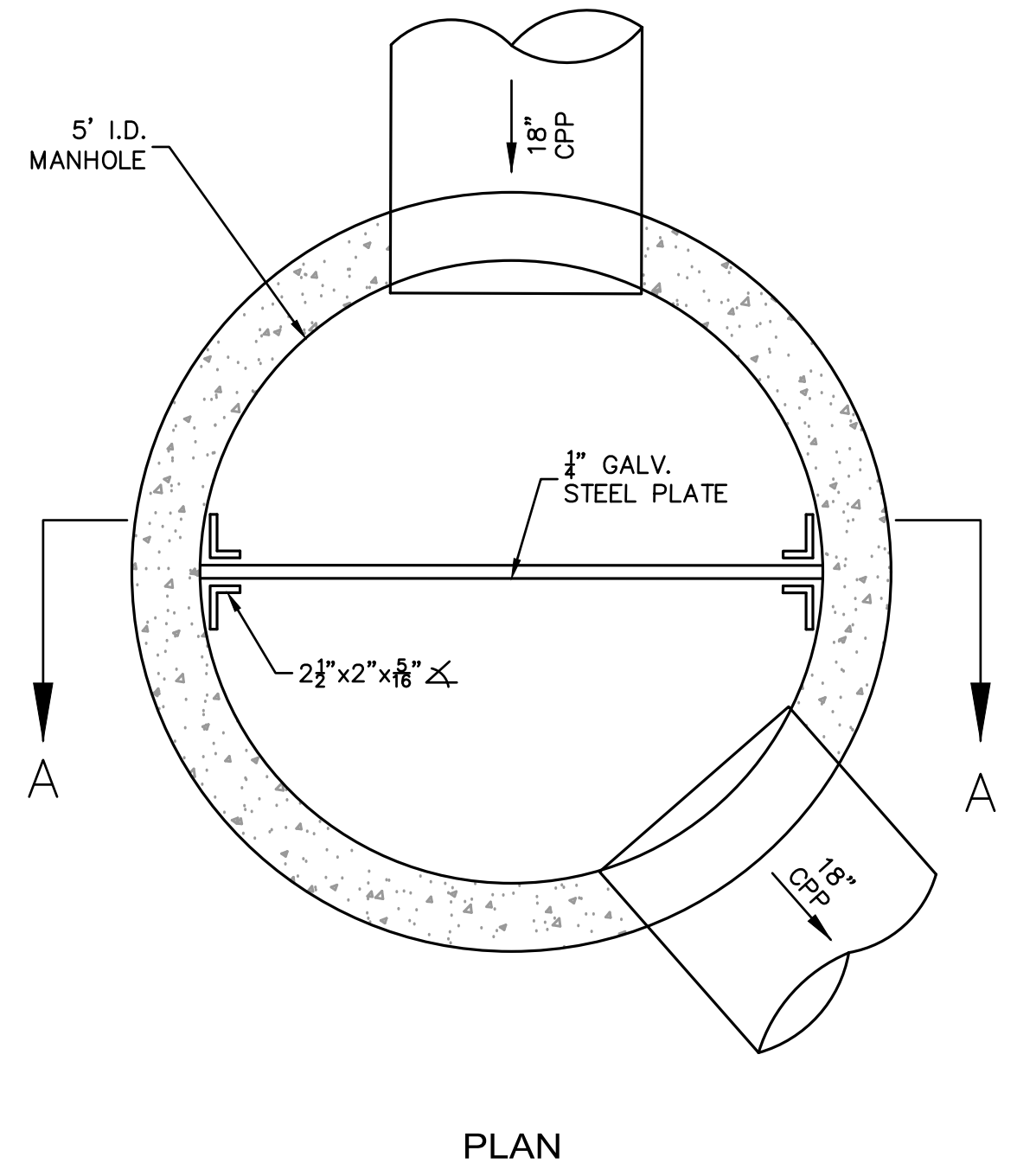
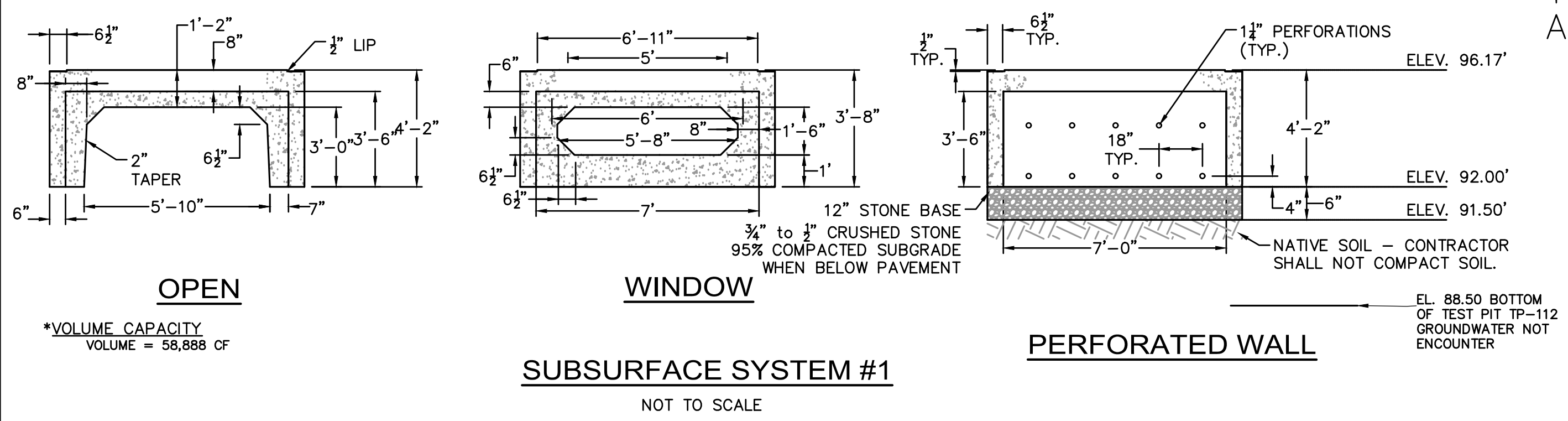
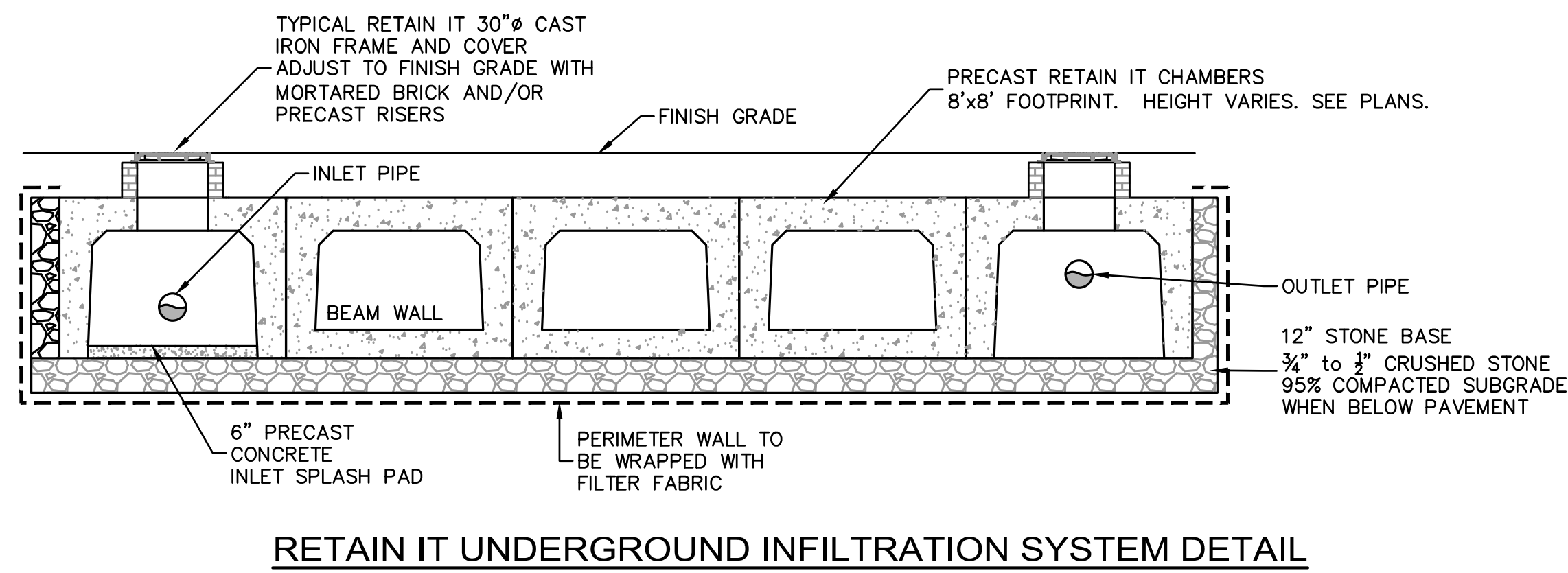
No.	Date	Revision
13	07/12/2024	BULLETIN 13
14	07/30/2024	RESPONSE TO PEER REVIEW COMMENTS

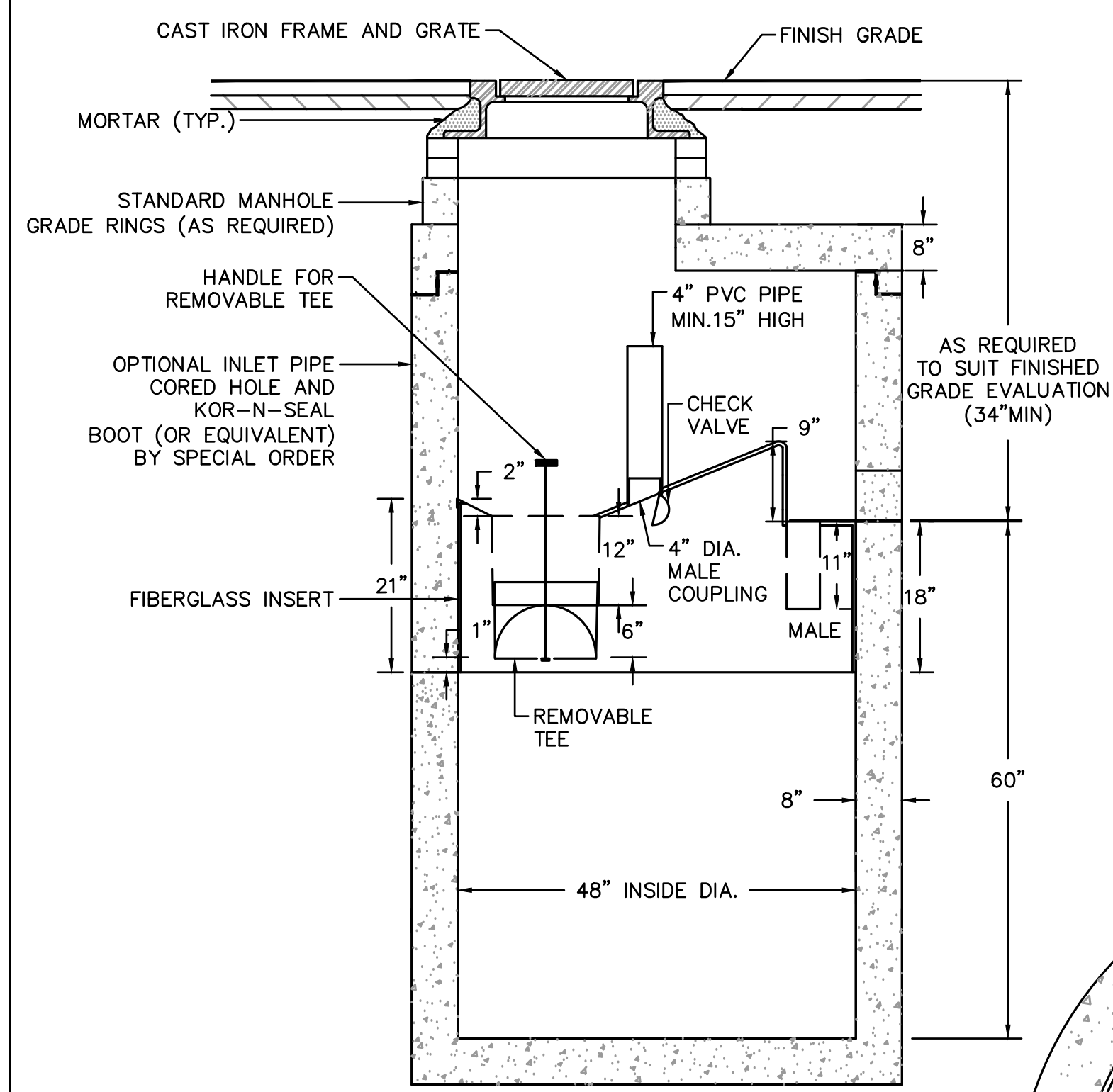
Job No.:	15363
Drawn By:	BJB/OFY/LMC
Checked By:	DLC
Date:	04/16/2024
Scale:	NTS

Drawing Title:  
**CIVIL DETAILS IV**

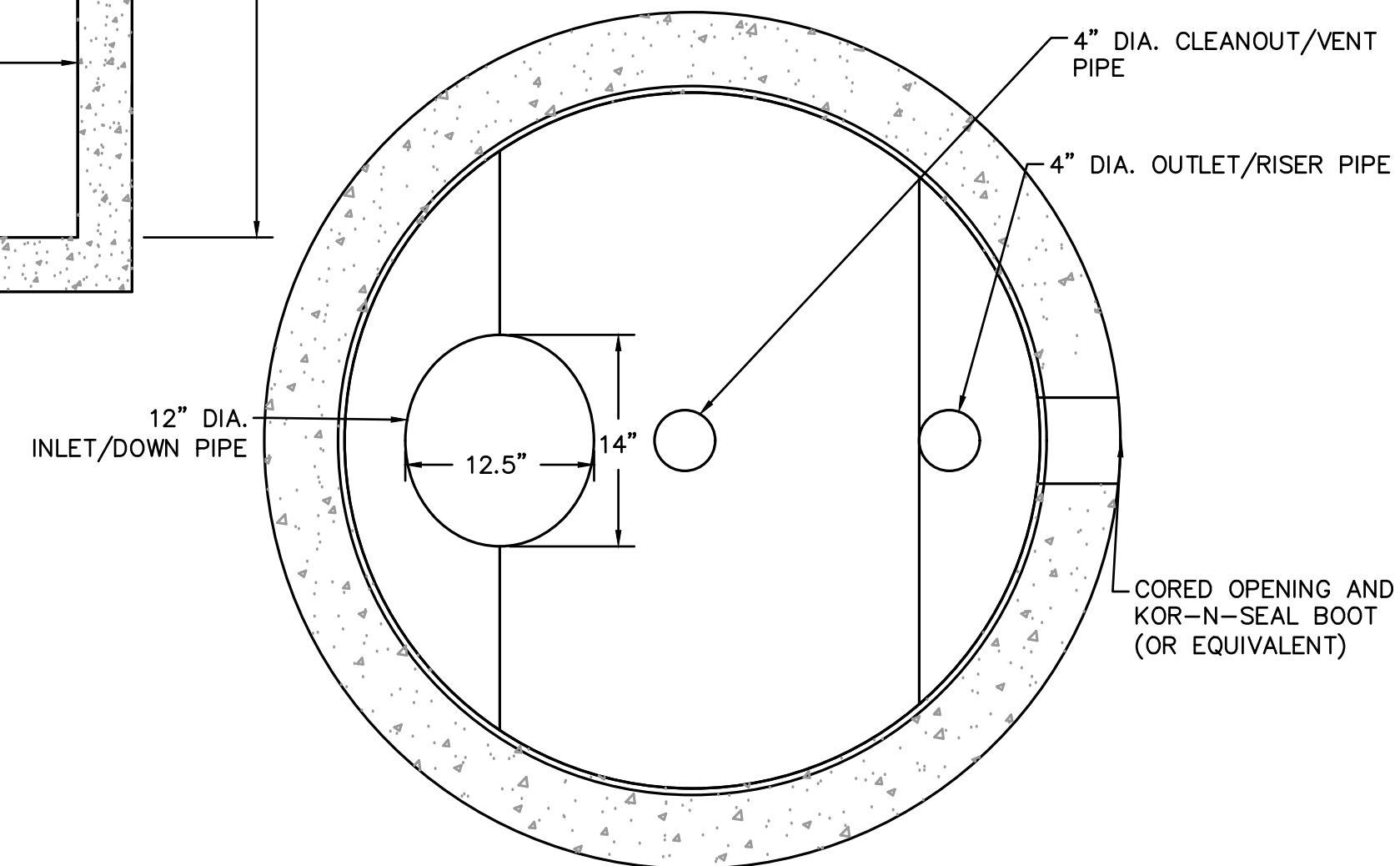
Drawing No.:

**C-603**





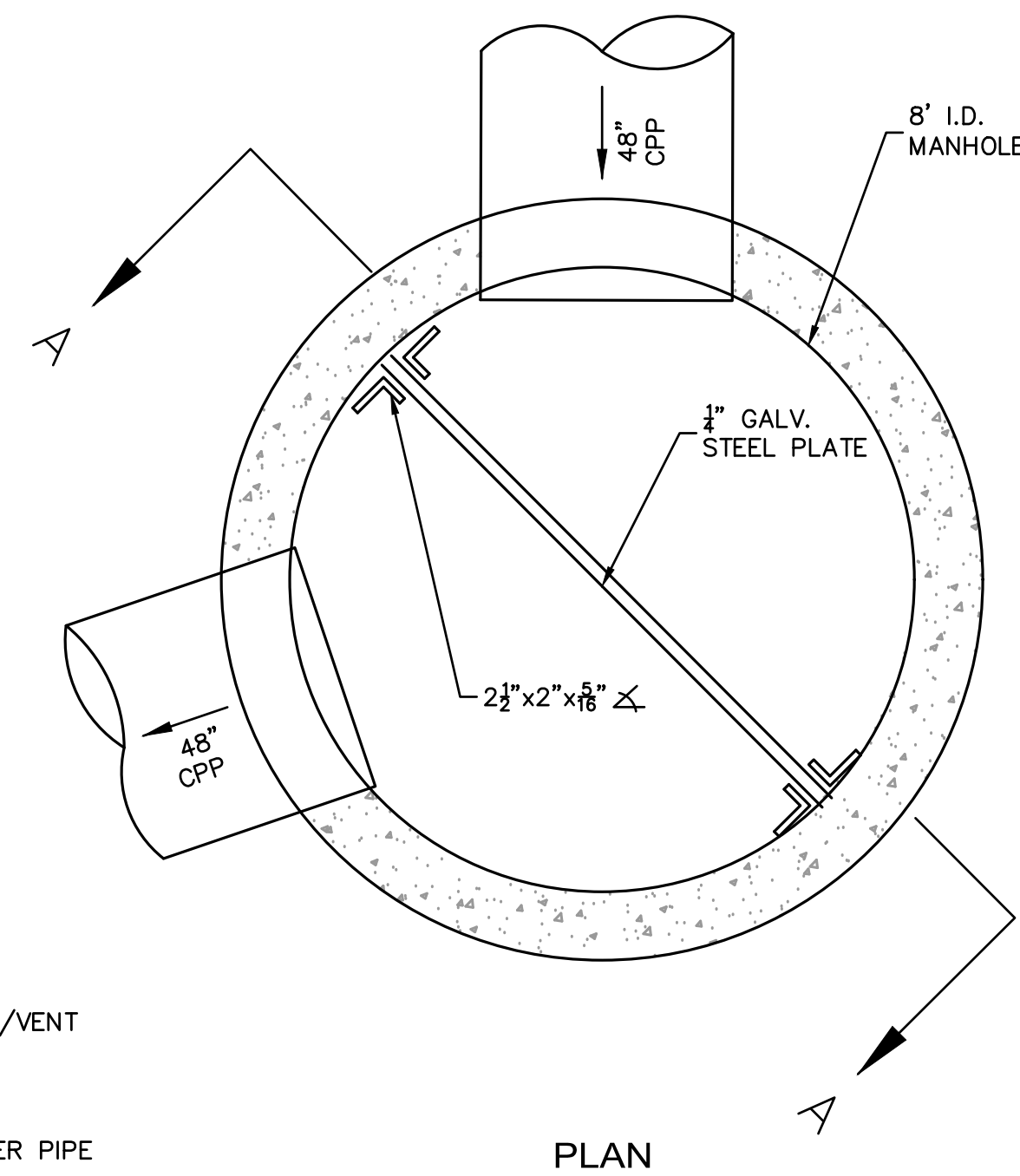
**ELEVATION**



**PLAN VIEW**

**STORMCEPTOR CATCH BASIN DETAIL**

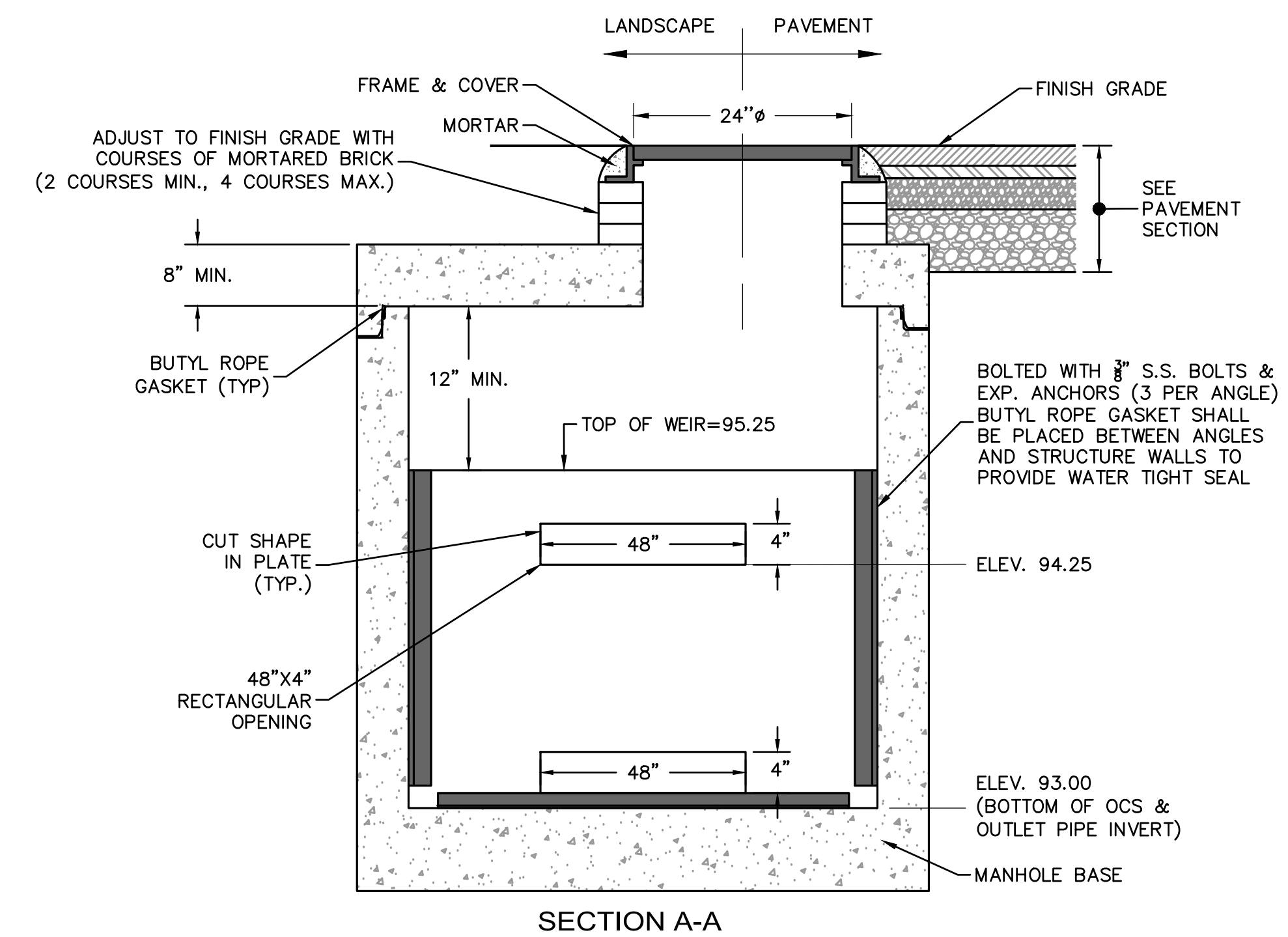
NOT TO SCALE



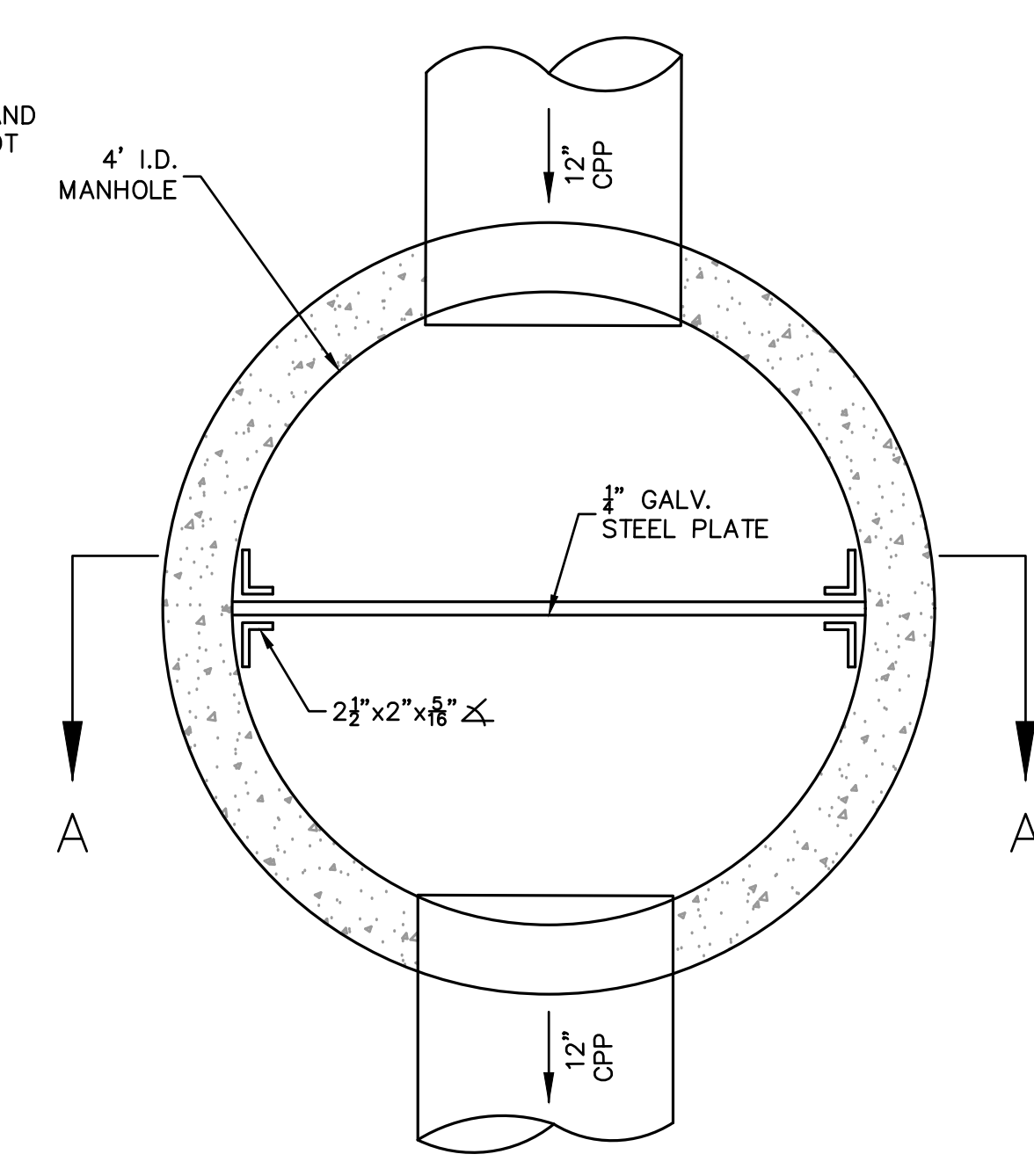
**PLAN**

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

NOT TO SCALE



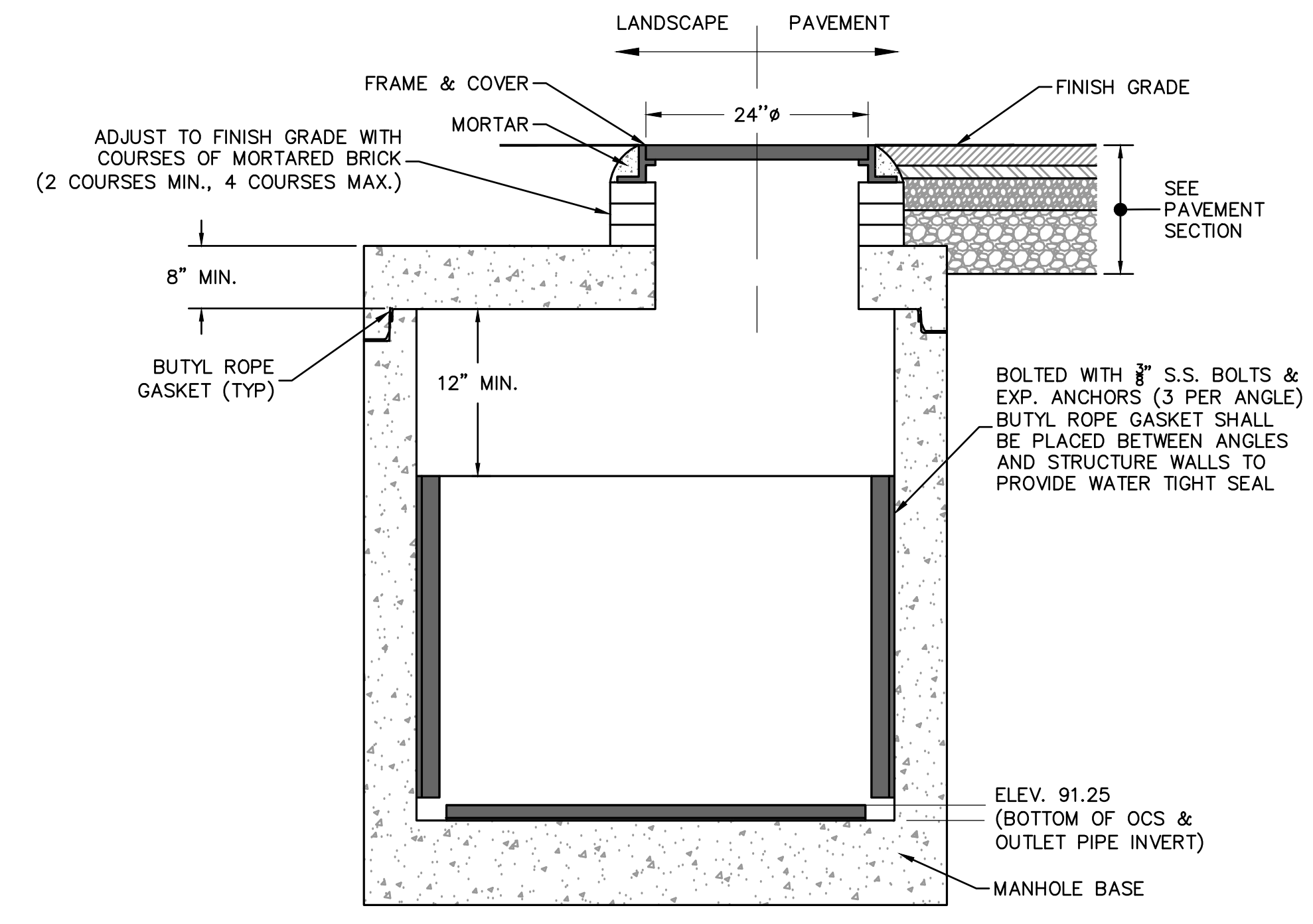
**SECTION A-A**



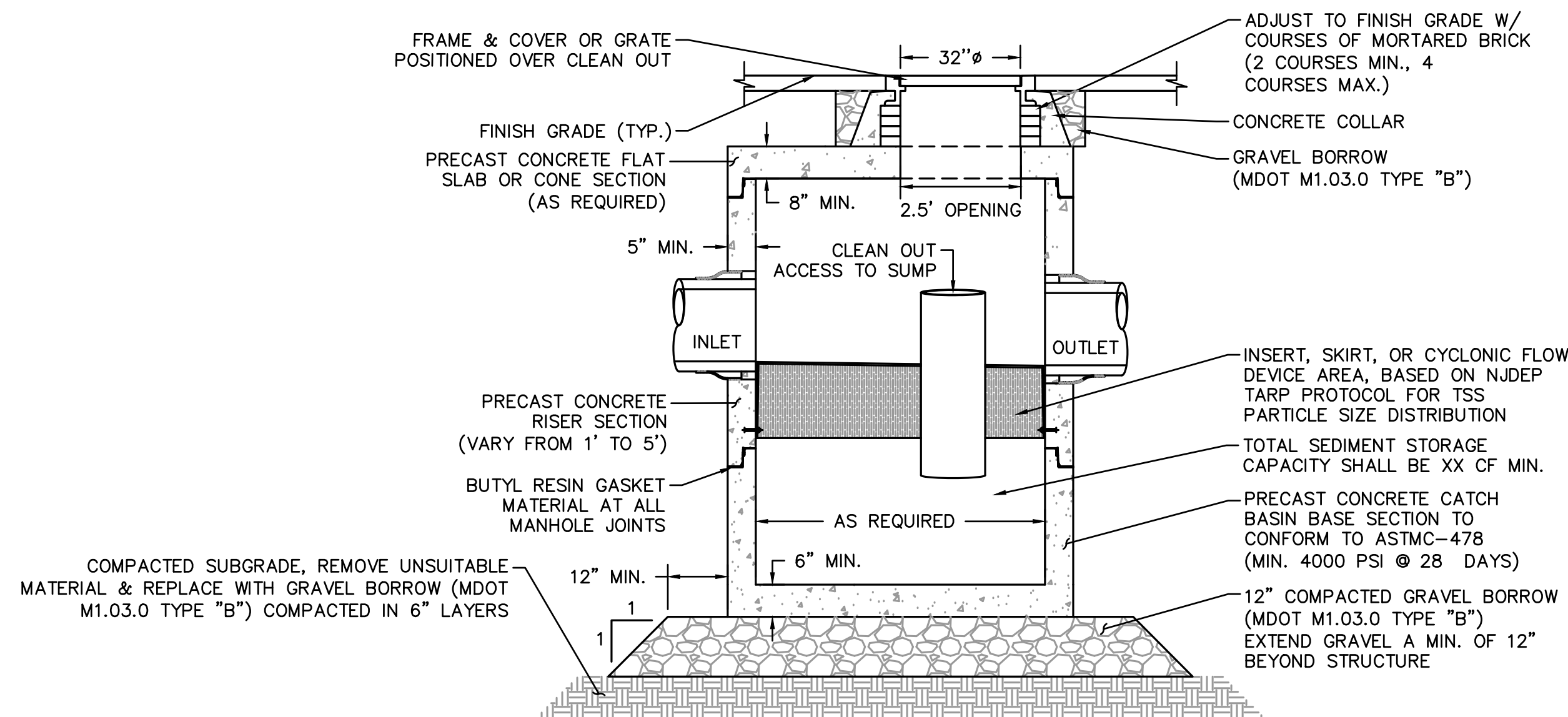
**PLAN**

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

NOT TO SCALE



**SECTION A-A**



**WATER QUALITY STRUCTURE DETAIL**

NOT TO SCALE

**NOTE :**

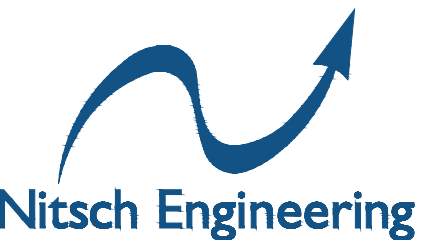
1. THE USE OF FLEXIBLE CONNECTIONS IS RECOMMENDED AT THE INLET AND OUTLET WHERE APPLICABLE.
2. THE COVER SHOULD BE POSITIONED OVER THE OUTLET DROP PIPE AND THE OIL CLEANOUT PIPE.
3. STRUCTURE DESIGNED FOR H2O LOADING

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

\* 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.

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

30 BURTT ROAD  
 ANDOVER, MA 01810



**PERMITTING SET**

NOT FOR CONSTRUCTION

16 APRIL 2024

**Key Plan:**

**Stamp:**



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

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

**Drawing Title:**  
**CIVIL DETAILS V**

Drawing No.:

**C-604**