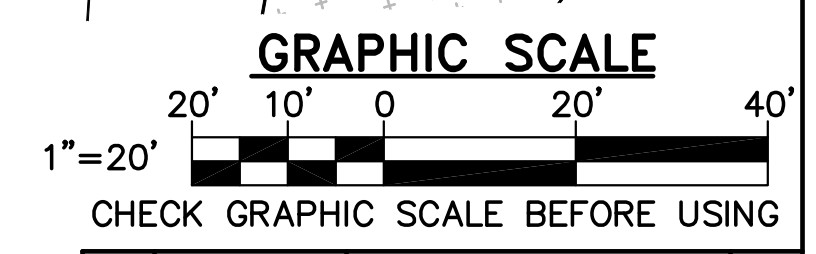


GENERAL NOTE

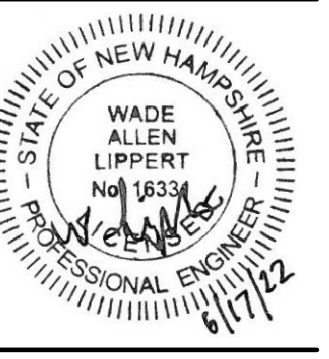
1. REFER TO SHEETS PL310 AND PL311 FOR POOL PIPING.

KEYNOTES (THIS SHEET ONLY)

- 1 WATER LINE. REFER TO DETAIL 1/C-505.
- 2 CONNECT TO EXISTING WATER MAIN. REFER TO DETAIL 3/C-505.
- 3 UTILITY POLE RISER. REFER TO DETAIL 3/C-506.
- 4 WATER VALVE. REFER TO DETAIL 4/C-505.
- 5 SEWER FORCE MAIN. REFER TO DETAIL 1/C-505.
- 6 UNDERGROUND ELECTRICAL CONDUIT. REFER TO DETAIL 1/C-506.
- 7 ELECTRICAL HANDHOLE. REFER TO DETAIL 2/C-506.
- 8 CONNECT TO EXISTING FORCE MAIN.
- 9 JOINT RESTRAINT. REFER TO DETAIL 2/C-505.
- 10 DRAIN LINE. REFER TO DETAIL 1/C-505.
- 11 TRENCH DRAIN. REFER TO DETAIL 1/C-504.
- 12 DRAIN BASIN. REFER TO DETAIL 4/C-504.
- 13 WATER SHUT OFF. REFER TO DETAIL 4/C-505.
- 14 IRRIGATION SYSTEM. PROVIDE COVERAGE FOR ALL TURF WITHIN FENCED POOL AREA.
- 15 REINSTALL SALVAGED OUTDOOR SHOWER AND FOUNDATION.
- 16 ROOF DRAIN DOWNSPOUT CONNECTION. REFER TO DETAIL 5/C-504.
- 17 DRY WELL. REFER TO DETAIL 5/C-505.



NO.	DATE	DESCRIPTION	BY
1	09/19/22	ADDENDUM NO. 4	WAL
REVISIONS			



DESIGNED BY: WAL
 DRAWN BY: PJM
 CHECKED BY: PJM
 PROJECT: 21904.14

CITY OF PORTSMOUTH
 1 Junkins Avenue
 Portsmouth, NH 03801

PEIRCE ISLAND PUMP HOUSE AND POOL RENOVATION
 Peirce Island Road
 Portsmouth, NH 03801

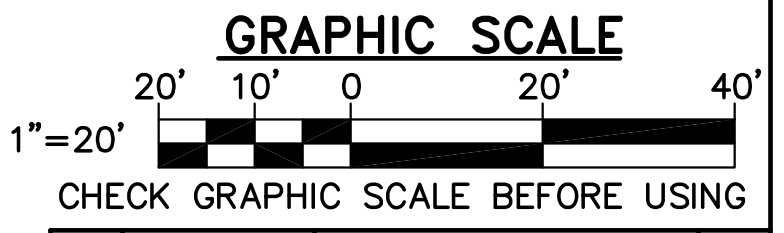
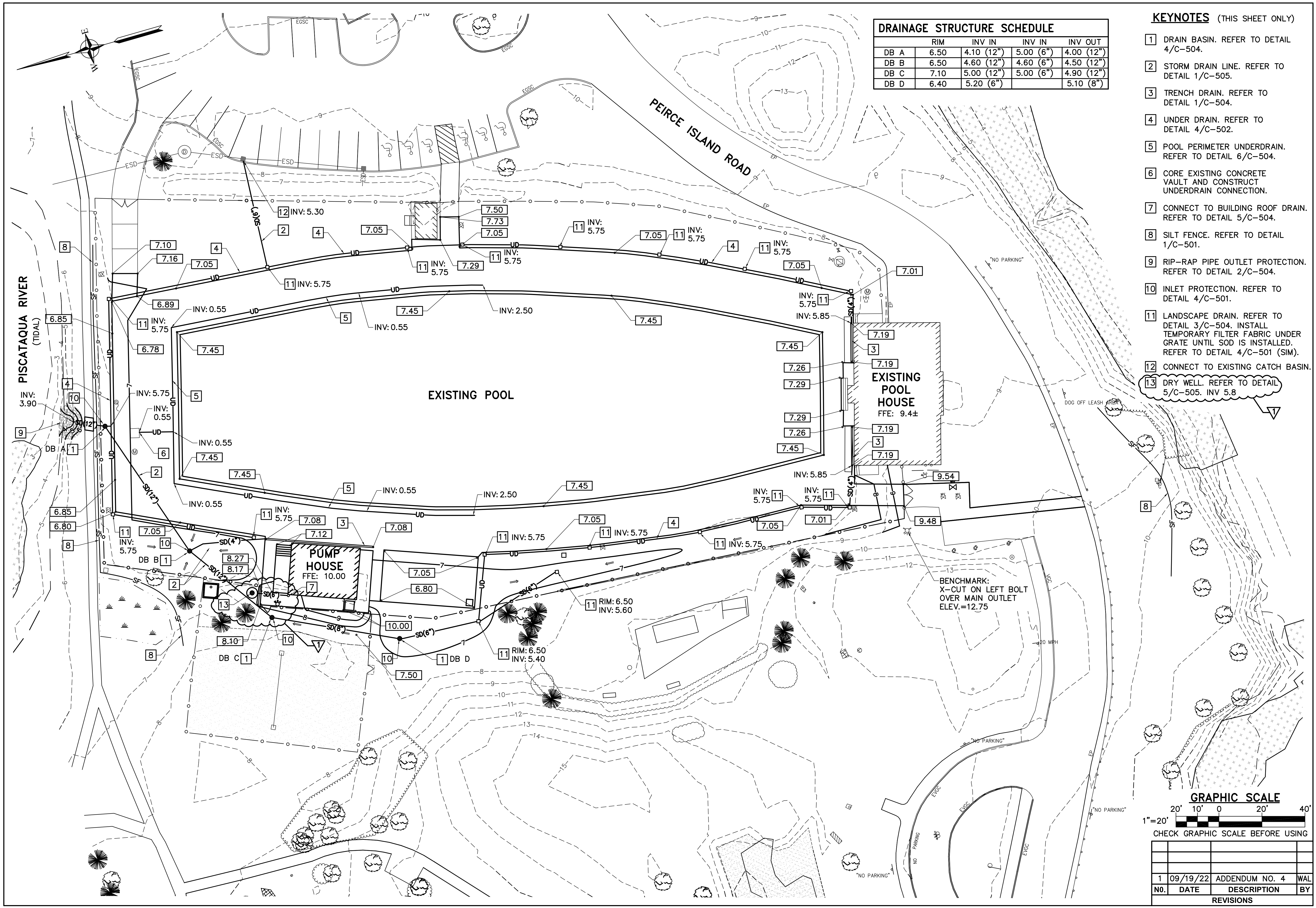
SITE UTILITY PLAN

SCALE: AS NOTED
 DATE: 06/17/2022

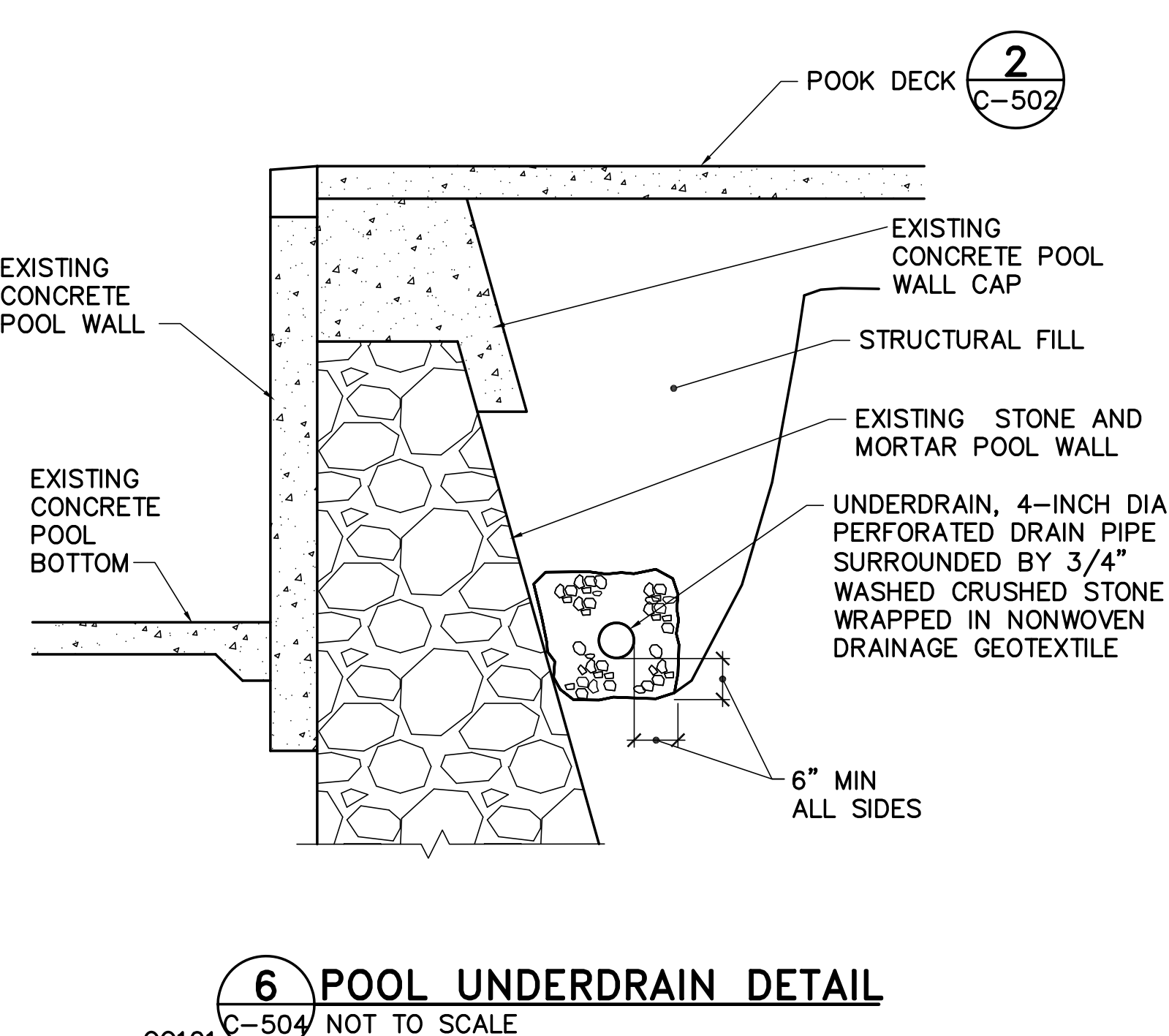
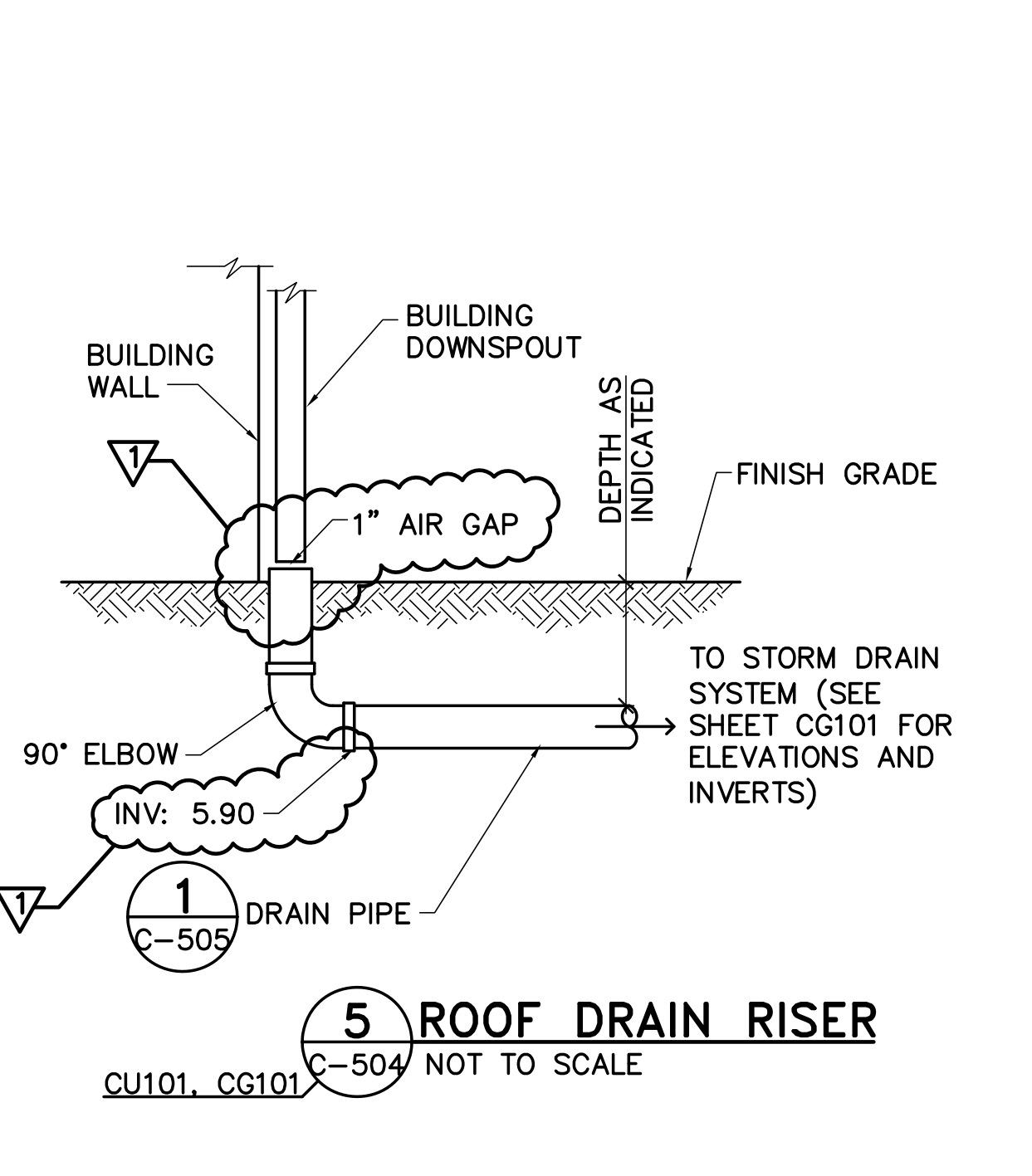
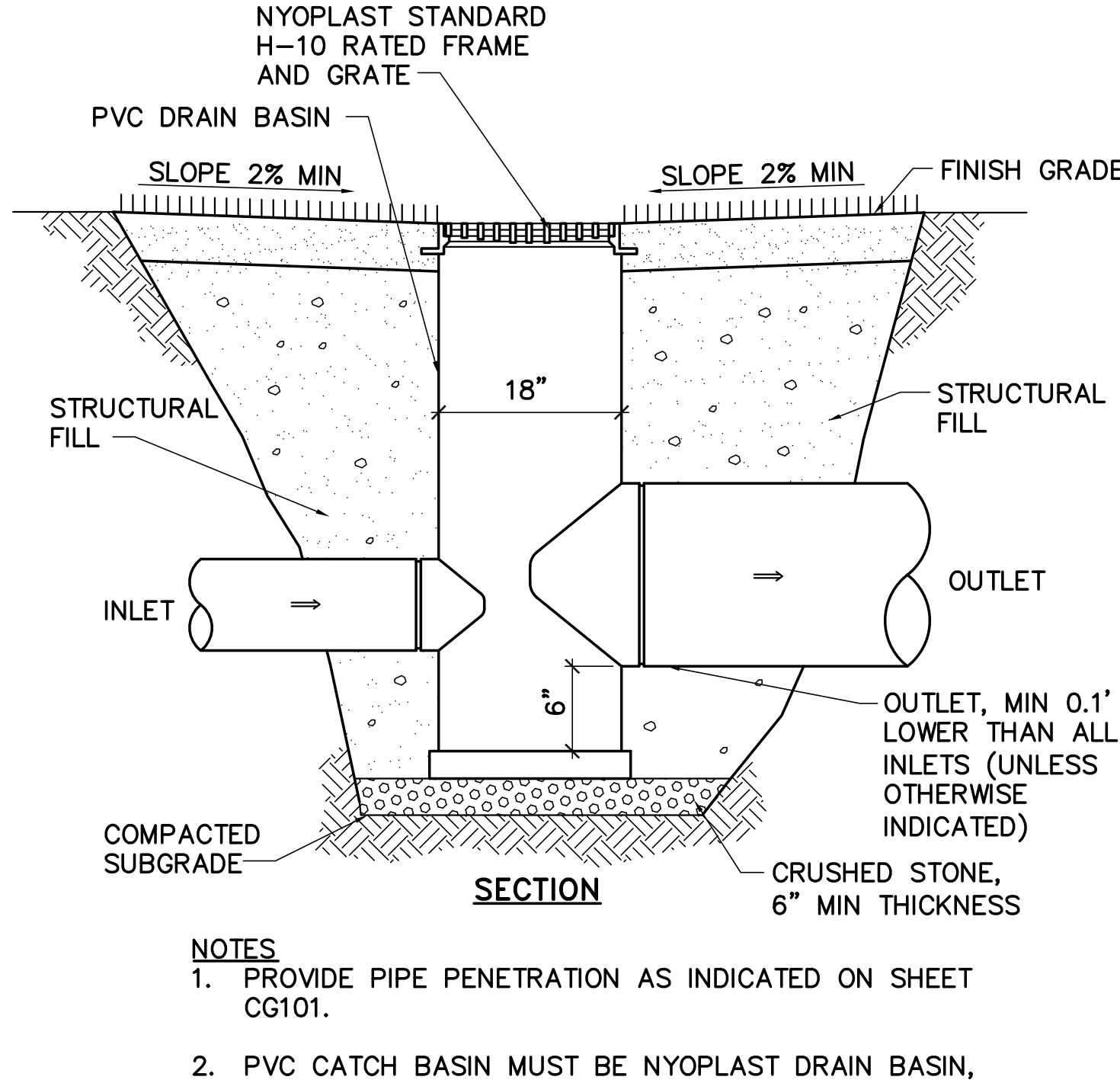
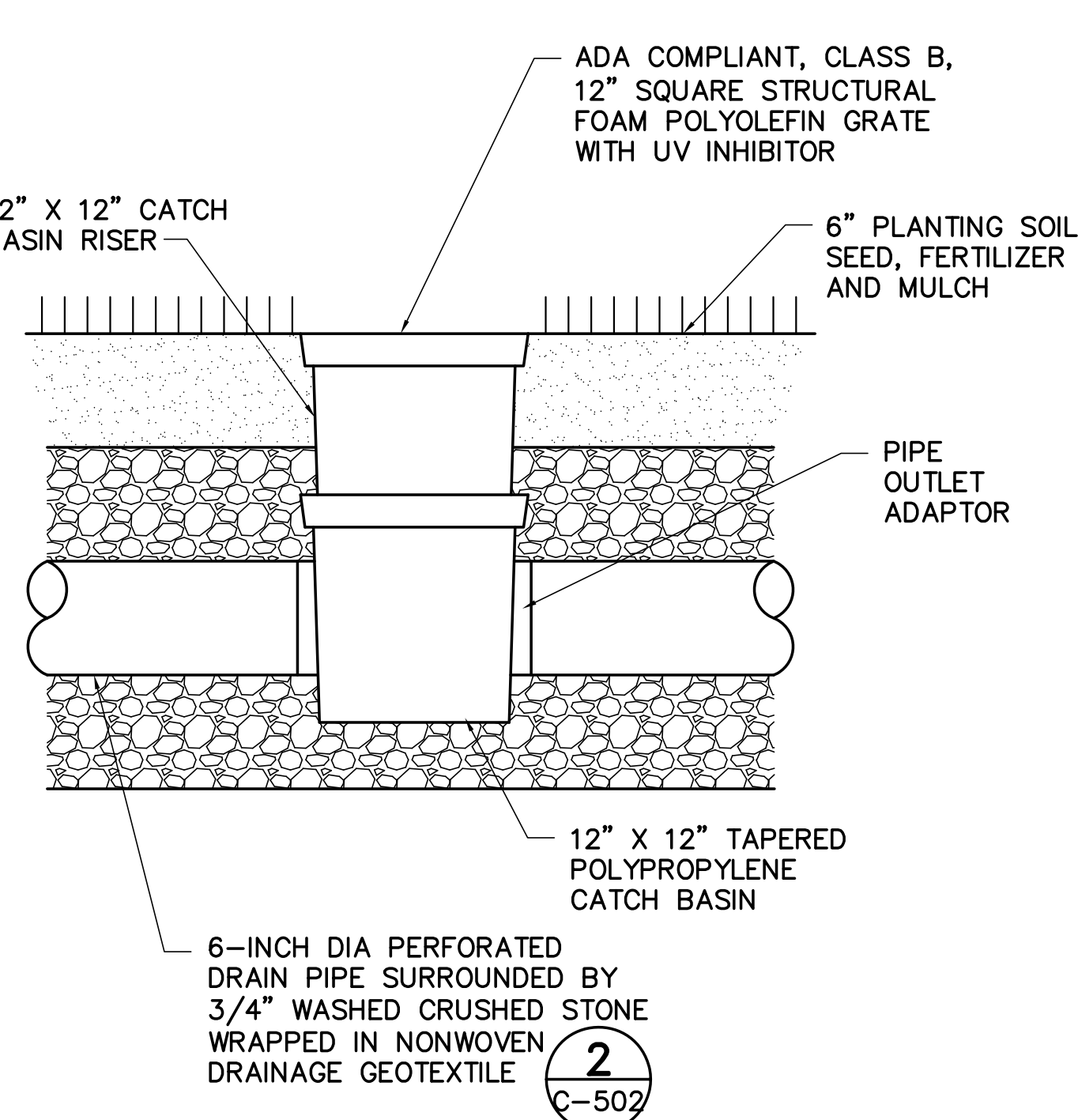
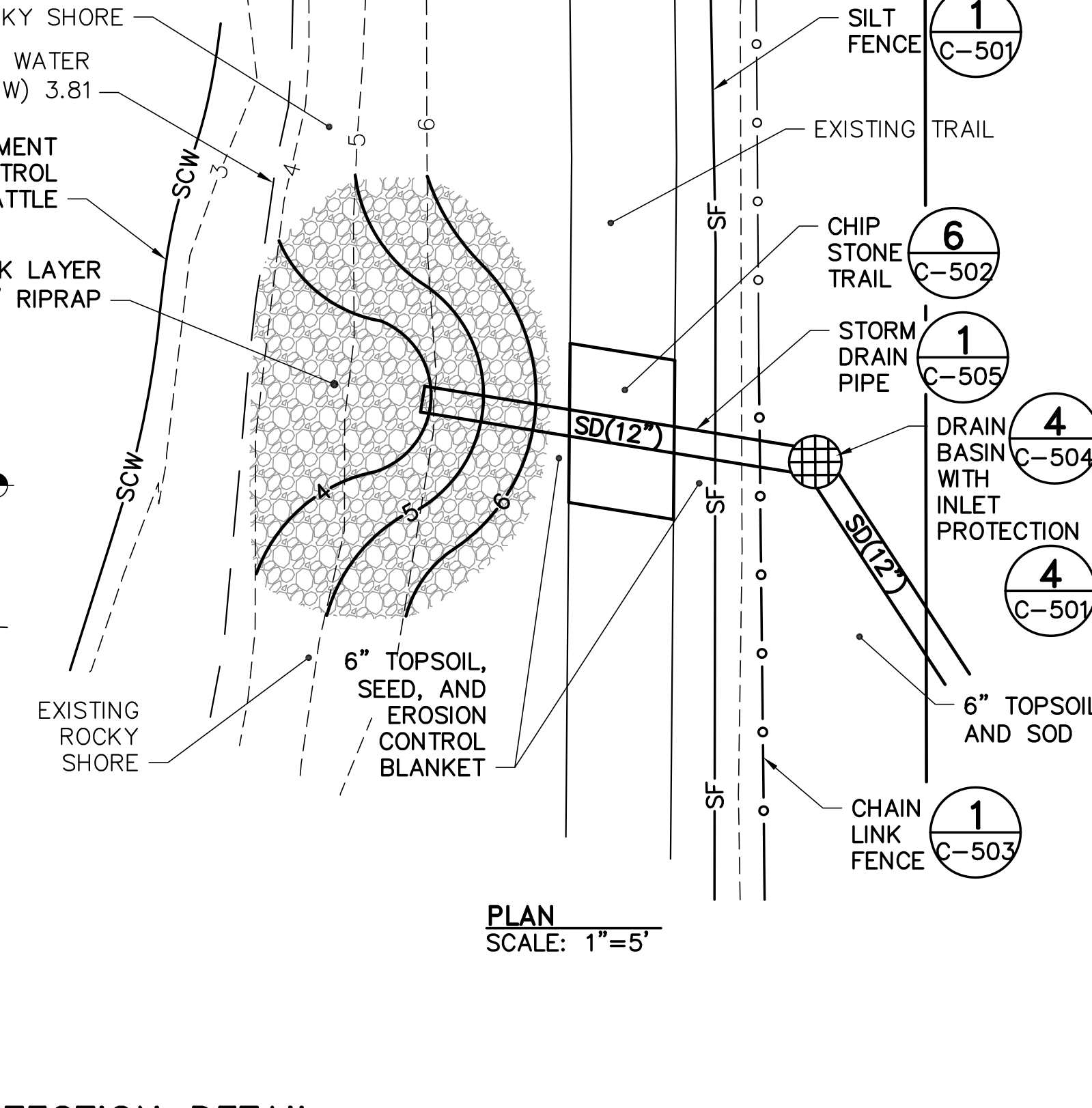
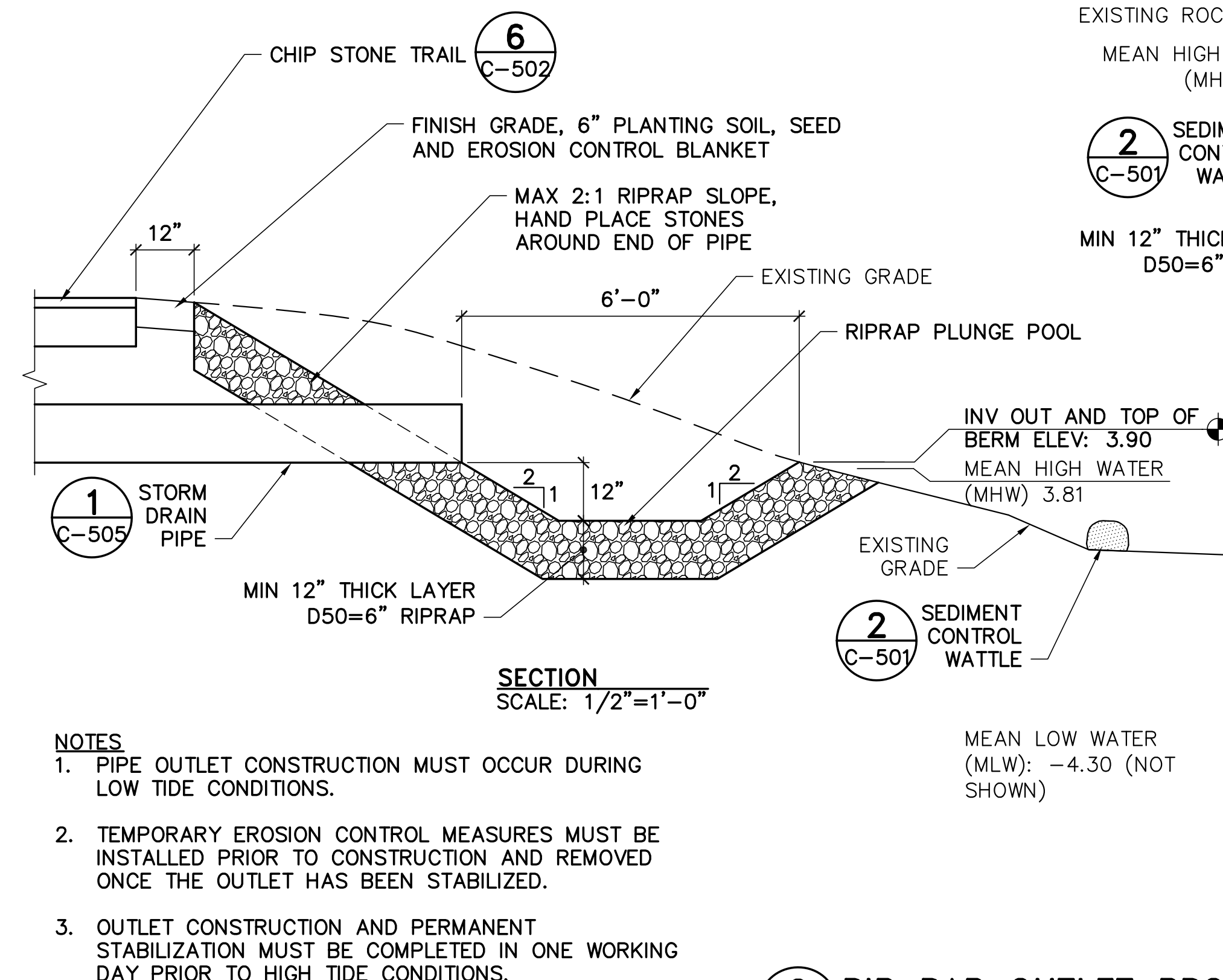
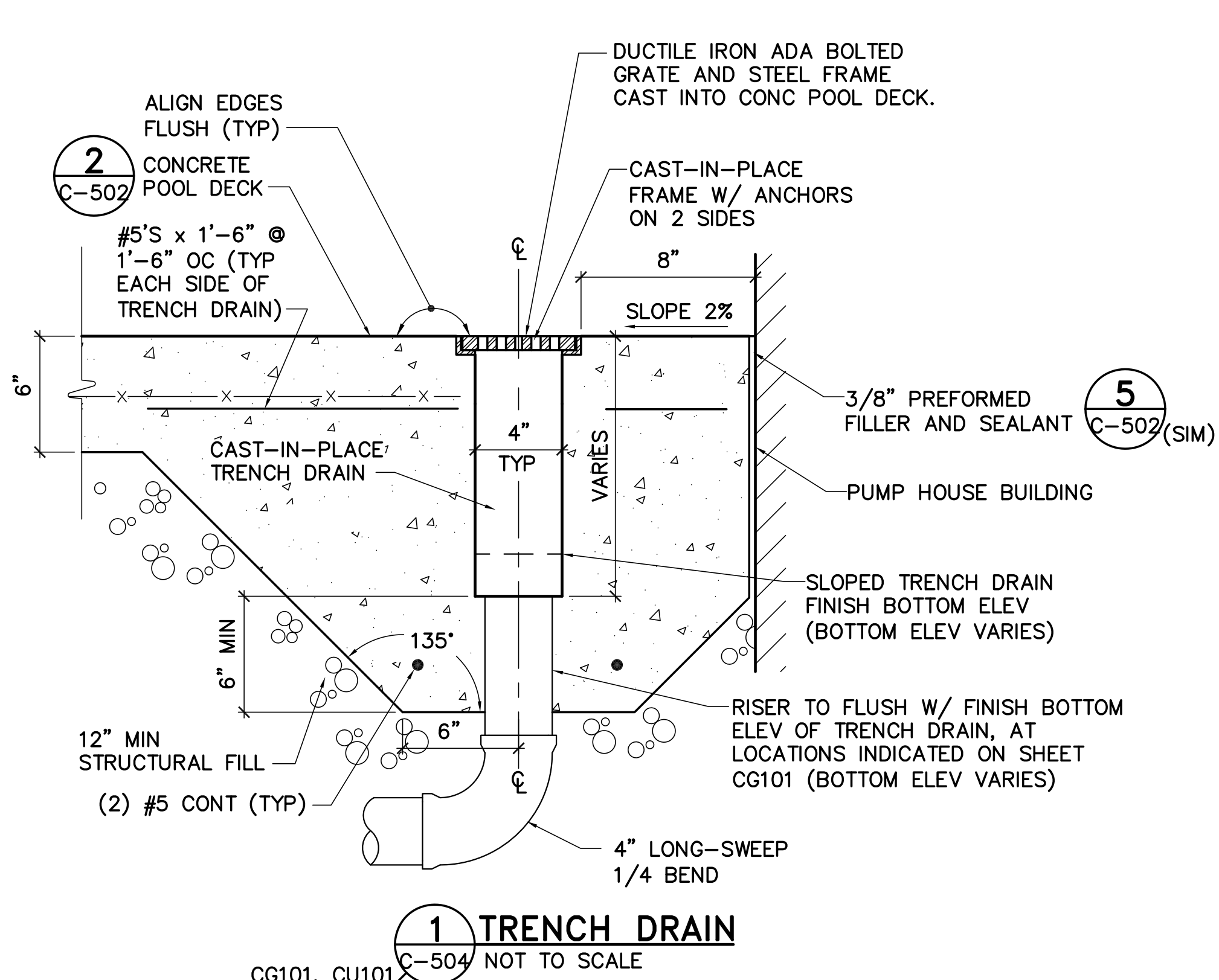
DWG.: **CU101**

DRAINAGE STRUCTURE SCHEDULE				
	RIM	INV IN	INV IN	INV OUT
DB A	6.50	4.10 (12")	5.00 (6")	4.00 (12")
DB B	6.50	4.60 (12")	4.60 (6")	4.50 (12")
DB C	7.10	5.00 (12")	5.00 (6")	4.90 (12")
DB D	6.40	5.20 (6")		5.10 (8")

- KEYNOTES (THIS SHEET ONLY)**
- 1 DRAIN BASIN. REFER TO DETAIL 4/C-504.
 - 2 STORM DRAIN LINE. REFER TO DETAIL 1/C-505.
 - 3 TRENCH DRAIN. REFER TO DETAIL 1/C-504.
 - 4 UNDER DRAIN. REFER TO DETAIL 4/C-502.
 - 5 POOL PERIMETER UNDERDRAIN. REFER TO DETAIL 6/C-504.
 - 6 CORE EXISTING CONCRETE VAULT AND CONSTRUCT UNDERDRAIN CONNECTION.
 - 7 CONNECT TO BUILDING ROOF DRAIN. REFER TO DETAIL 5/C-504.
 - 8 SILT FENCE. REFER TO DETAIL 1/C-501.
 - 9 RIP-RAP PIPE OUTLET PROTECTION. REFER TO DETAIL 2/C-504.
 - 10 INLET PROTECTION. REFER TO DETAIL 4/C-501.
 - 11 LANDSCAPE DRAIN. REFER TO DETAIL 3/C-504. INSTALL TEMPORARY FILTER FABRIC UNDER GRATE UNTIL SOD IS INSTALLED. REFER TO DETAIL 4/C-501 (SIM).
 - 12 CONNECT TO EXISTING CATCH BASIN.
 - 13 DRY WELL. REFER TO DETAIL 5/C-505. INV 5.8



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REVISIONS			

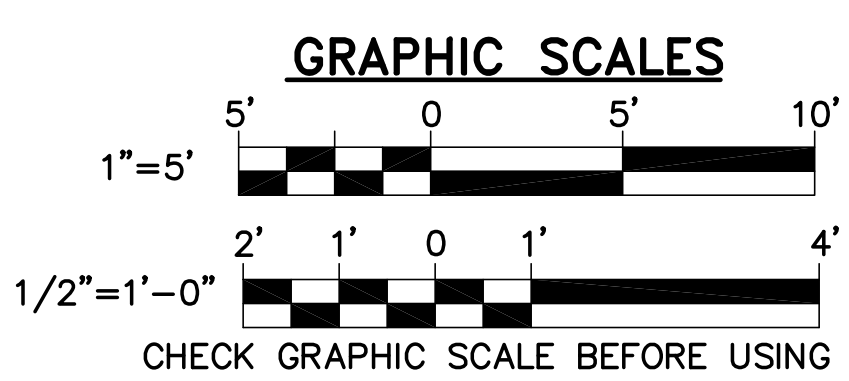


3 LANDSCAPE DRAIN
CG101, C-504 NOT TO SCALE

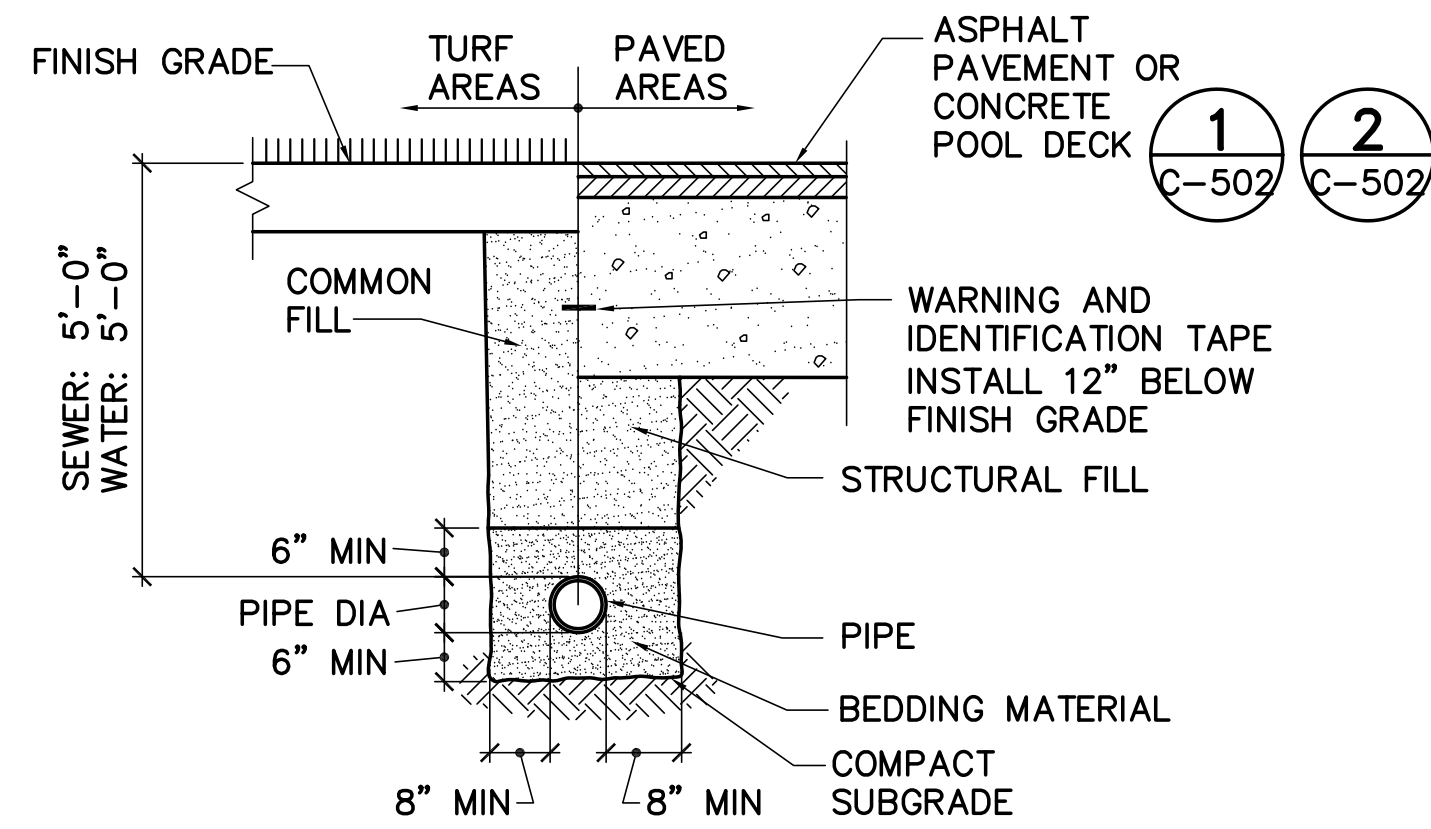
4 DRAIN BASIN
CG101, C-504 NOT TO SCALE

5 ROOF DRAIN RISER
CG101, C-504 NOT TO SCALE

6 POOL UNDERDRAIN DETAIL
CG101, C-504 NOT TO SCALE



NO.	DATE	DESCRIPTION	BY
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NOTES

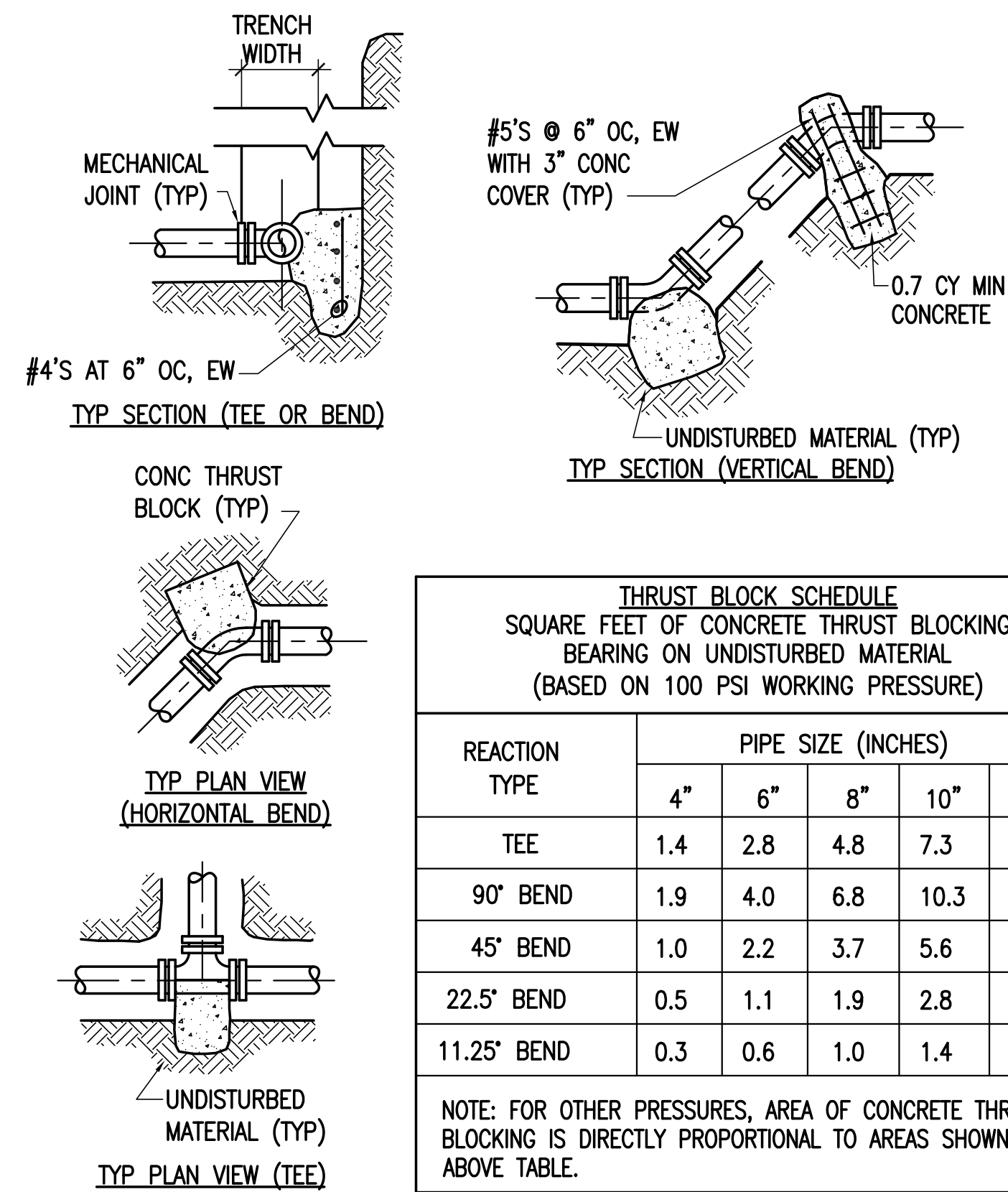
- EXCAVATION WORK MUST COMPLY WITH OSHA STANDARDS. TRENCH SIDEWALLS MUST BE VERTICAL FROM TRENCH BOTTOM TO 12" ABOVE TOP OF PIPE.
- PROVIDE A MINIMUM OF 18" VERTICAL CLEARANCE BETWEEN CROSSING PIPES.
- PROVIDE 10' HORIZONTAL CLEARANCE BETWEEN WATER AND SEWER LINE.
- WHERE 5'-0" MIN COVER OVER SEWER LINE CANNOT BE ACHIEVED PROVIDE 4' WIDE, 4" THICK RIGID FOAM BOARD INSULATION OVER BLANKET MATERIAL. (2-2" LAYERS WITH JOINTS STAGGERED)
- PROVIDE A SEPARATION OF AT LEAST 18 INCHES BETWEEN THE BOTTOM OF THE WATER PIPING AND THE TOP OF THE SEWER PIPING IN CASES WHERE WATER PIPING CROSSES ABOVE SEWER PIPING. IF SEPARATION CANNOT BE ACHIEVED PROVIDE 6" MIN CONCRETE ENCASEMENT OF WATER PIPE FOR A DISTANCE OF 10' ON EITHER SIDE OF THE CROSSING.

1 PIPE TRENCH

CU101, CG101, C-502, C-504, C-505 NOT TO SCALE

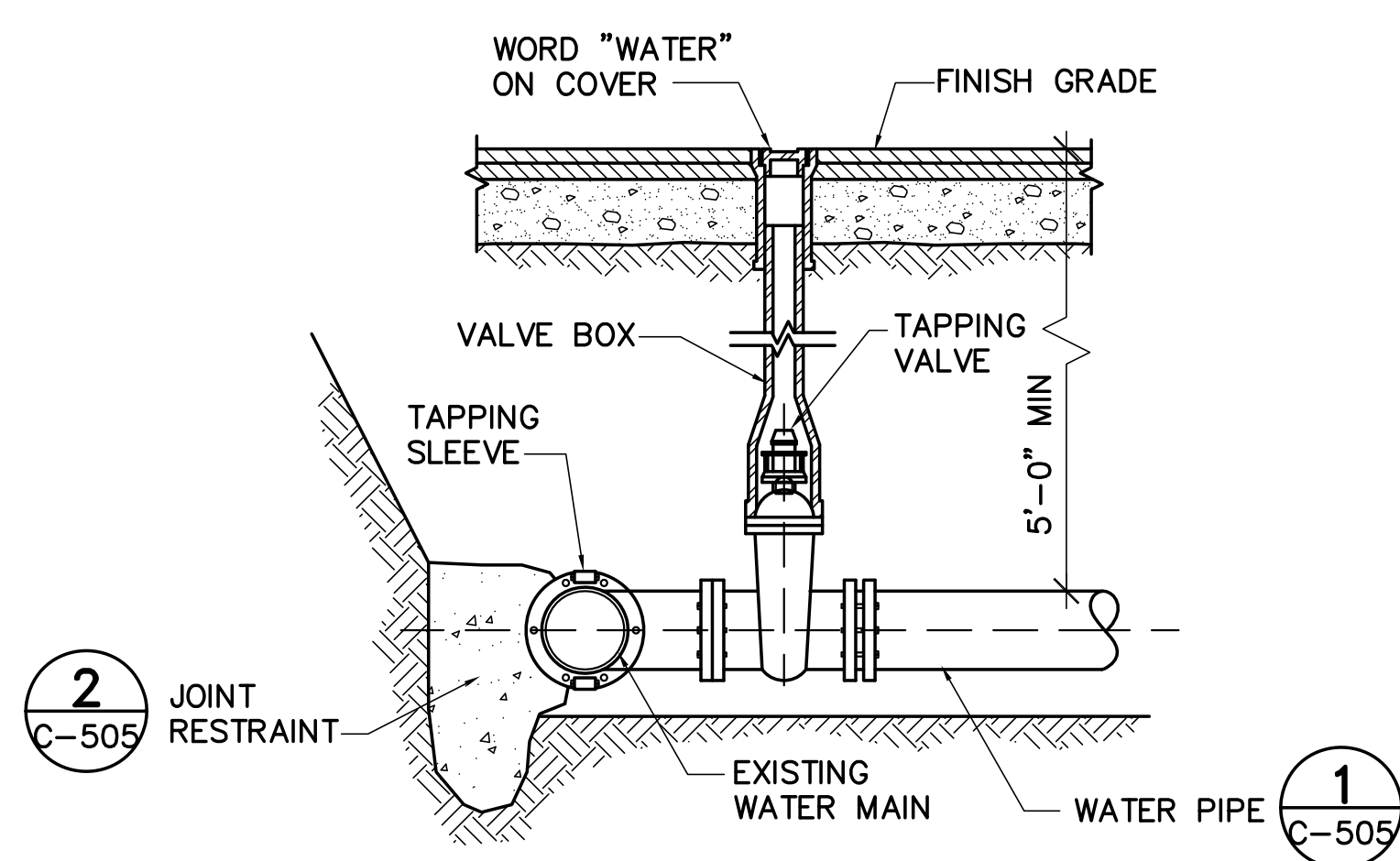
NOTES

- PROVIDE JOINT RESTRAINT FOR TEES, BENDS, AND PLUGS. FOR DUCTILE IRON PIPE PROVIDE CONCRETE THRUST BLOCKS AND WEDGE-ACTION TYPE RETAINER GLANDS. FOR POLYETHYLENE PIPE PROVIDE CONCRETE THRUST BLOCKS.
- WRAP DI PIPE FITTINGS IN POLYETHYLENE OR BUILDING PAPER PRIOR TO INSTALLATION OF CONCRETE THRUST BLOCKING.
- PLACE CONCRETE PAVERS OR BRICKS IN FRONT OF PLUGS BEFORE PLACING THRUST BLOCKS.
- PLACE THRUST BLOCKS AGAINST UNDISTURBED MATERIAL. WHERE TRENCH WALL HAS BEEN DISTURBED, EXCAVATE LOOSE MATERIAL AND EXTEND CONCRETE THRUST BLOCK TO UNDISTURBED MATERIAL. AREA OF THRUST BLOCKS SHOWN ARE BASED ON A MINIMUM SOIL BEARING CAPACITY OF 1,500 POUNDS PER SQUARE FOOT AND 1.5 SAFETY FACTOR. BEARING CAPACITY MAY BE ALTERED BASED ON CONDITIONS ENCOUNTERED WITH APPROVAL BY THE OWNER.
- EXTEND CONCRETE THRUST BLOCKING THE ENTIRE LENGTH OF THE FITTING. DO NOT COVER ANY PART OF THE JOINT WITH CONCRETE.
- PROVIDE LIFT HOOKS INTO THRUST BLOCKS AT END CAPS AND PLUGS.
- CONCRETE THRUST BLOCKS MUST BE 3,000 PSI (MIN) PORTLAND CEMENT CONCRETE.
- PROVIDE CONCRETE THRUST BLOCKING IN ACCORDANCE WITH NFPA 24 AND CITY OF PORTSMOUTH WATER DIVISION CONSTRUCTION MANUAL.
- PROVIDE WEDGE-ACTION TYPE RETAINER GLANDS ACCORDING TO THE MANUFACTURERS INSTRUCTIONS.



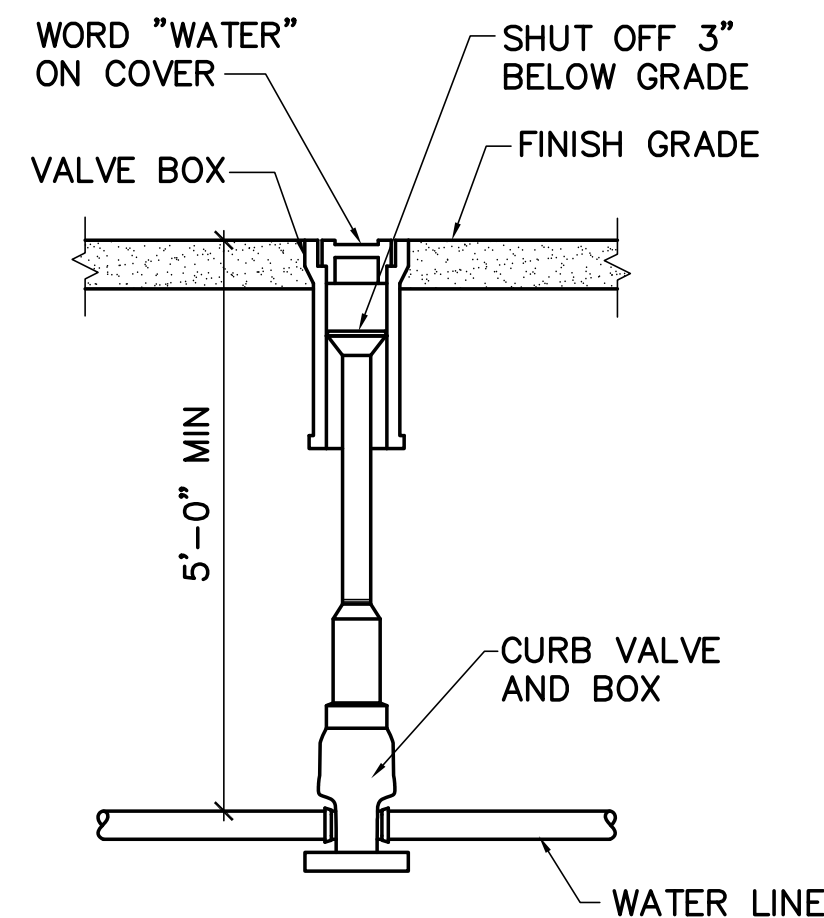
2 JOINT RESTRAINT

CU101, C-505 NOT TO SCALE



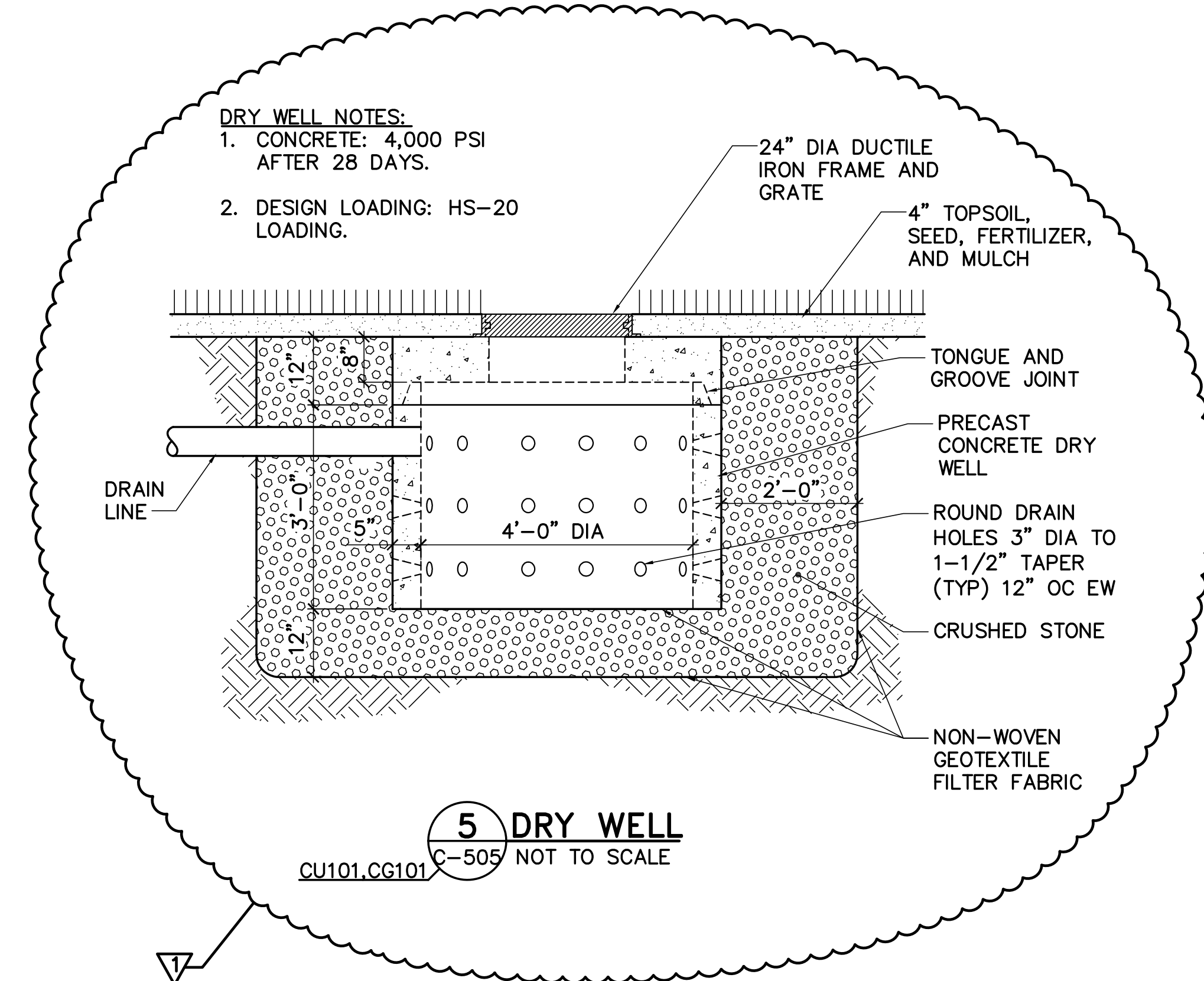
3 WATER SERVICE CONNECTION

CU101 NOT TO SCALE



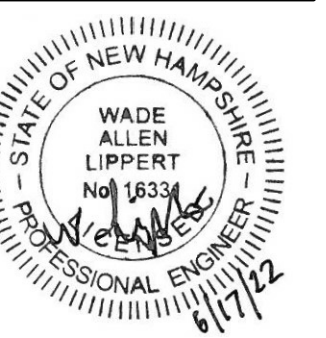
4 WATER SHUT OFF VALVE

CU101 NOT TO SCALE



5 DRY WELL

CU101, CG101 NOT TO SCALE



DESIGNED BY: WAL
DRAWN BY: WAL
CHECKED BY: PJM
PROJECT: 21904.14

CITY OF PORTSMOUTH
1 Junkins Avenue
Portsmouth, NH 03801

PERCE ISLAND PUMP HOUSE
AND POOL RENOVATION
Peirce Island Road
Portsmouth, NH 03801

SITE
DETAILS 4

SCALE: AS NOTED
DATE: 06/17/2022

DWG.: C-505

SHEET: 15 OF 72

NO.	DATE	DESCRIPTION	BY
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REVISIONS			