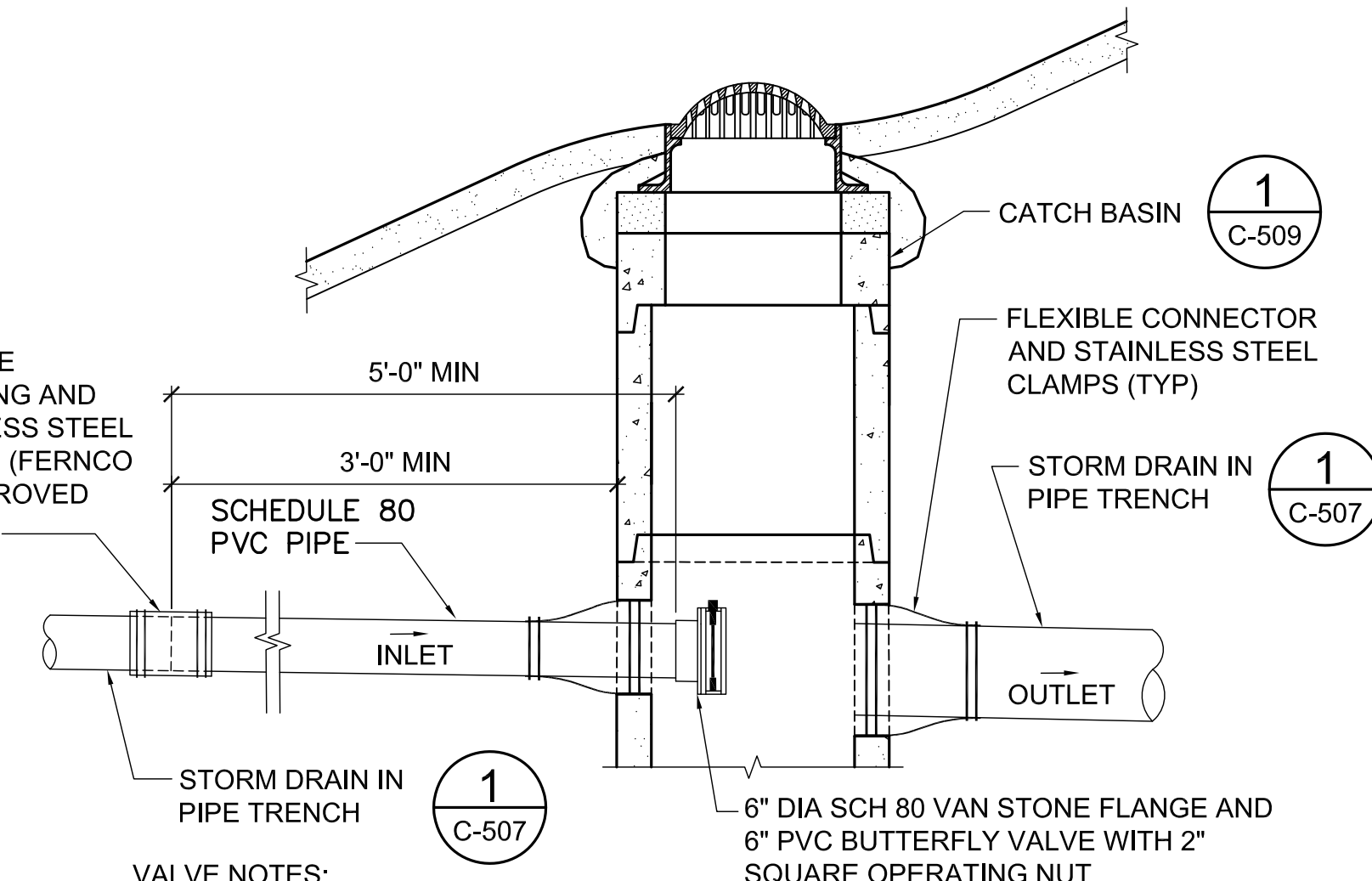
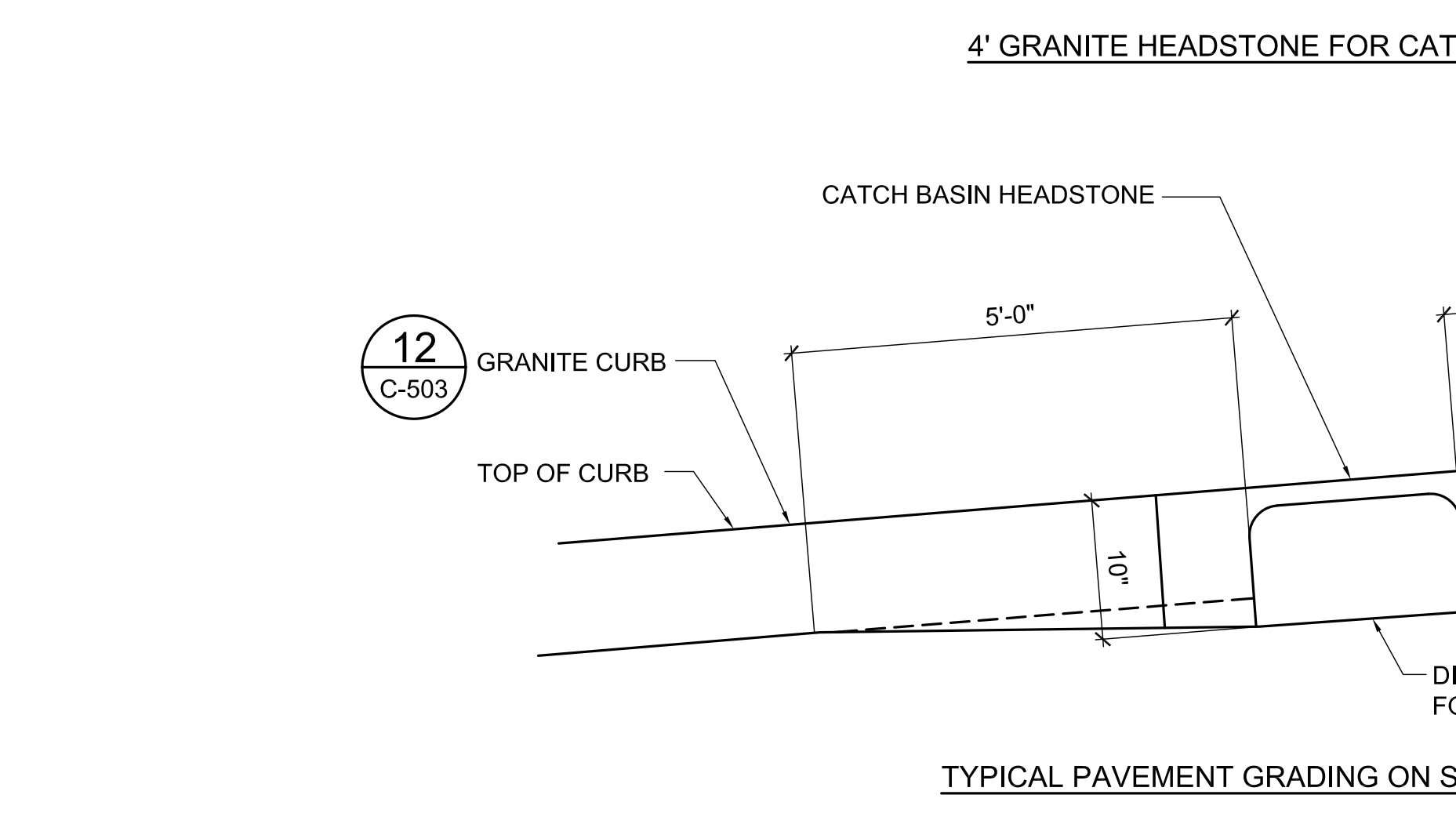
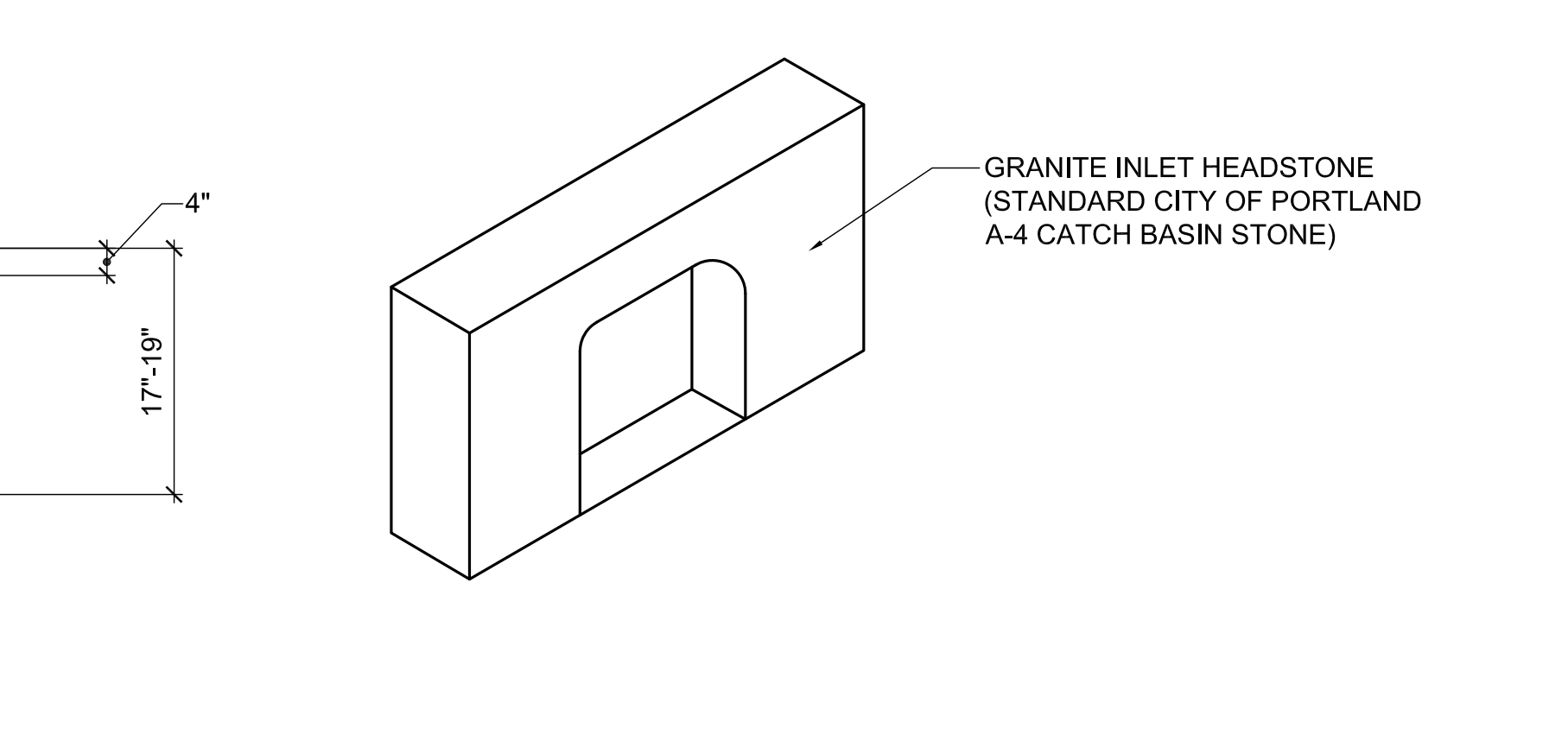
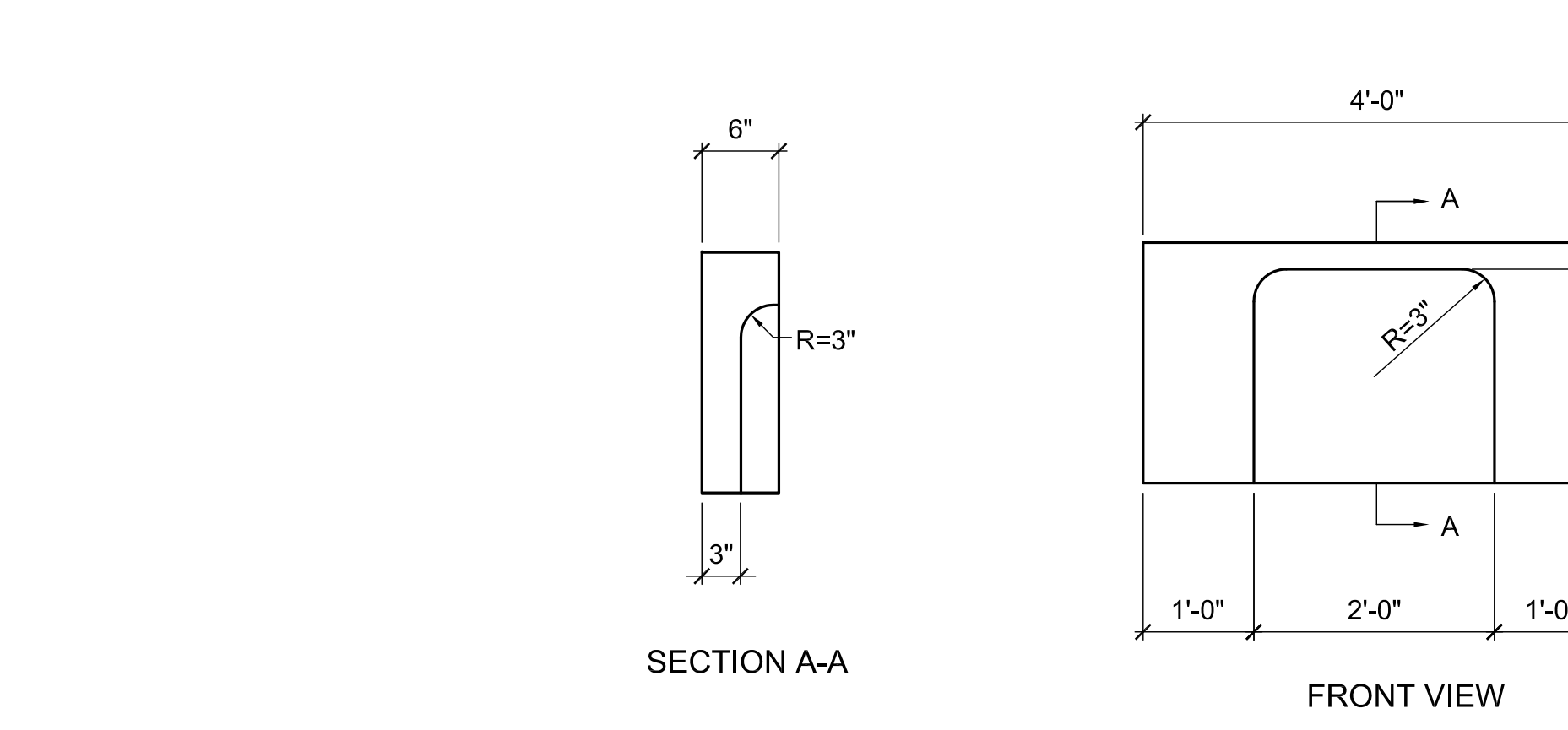
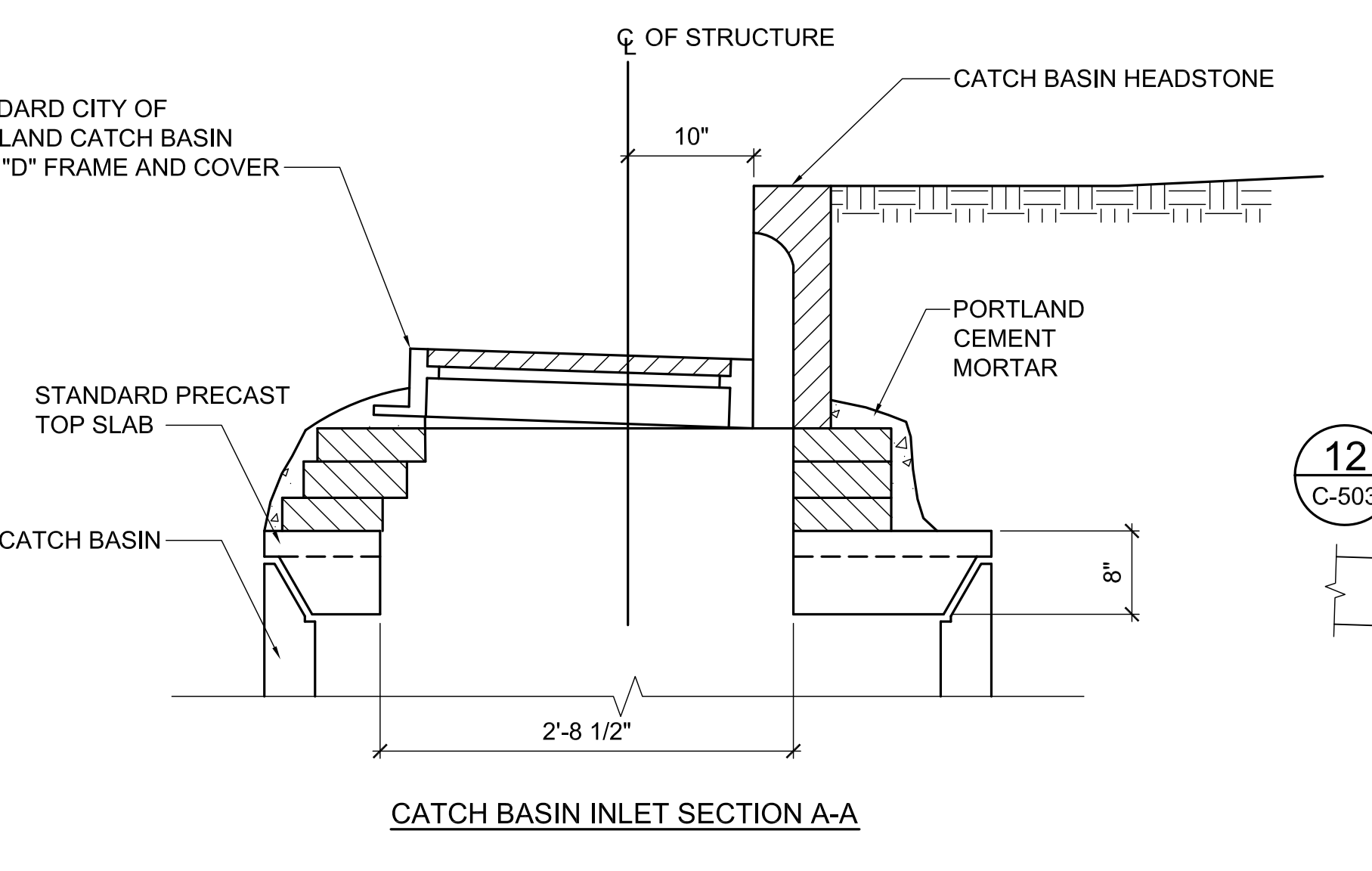
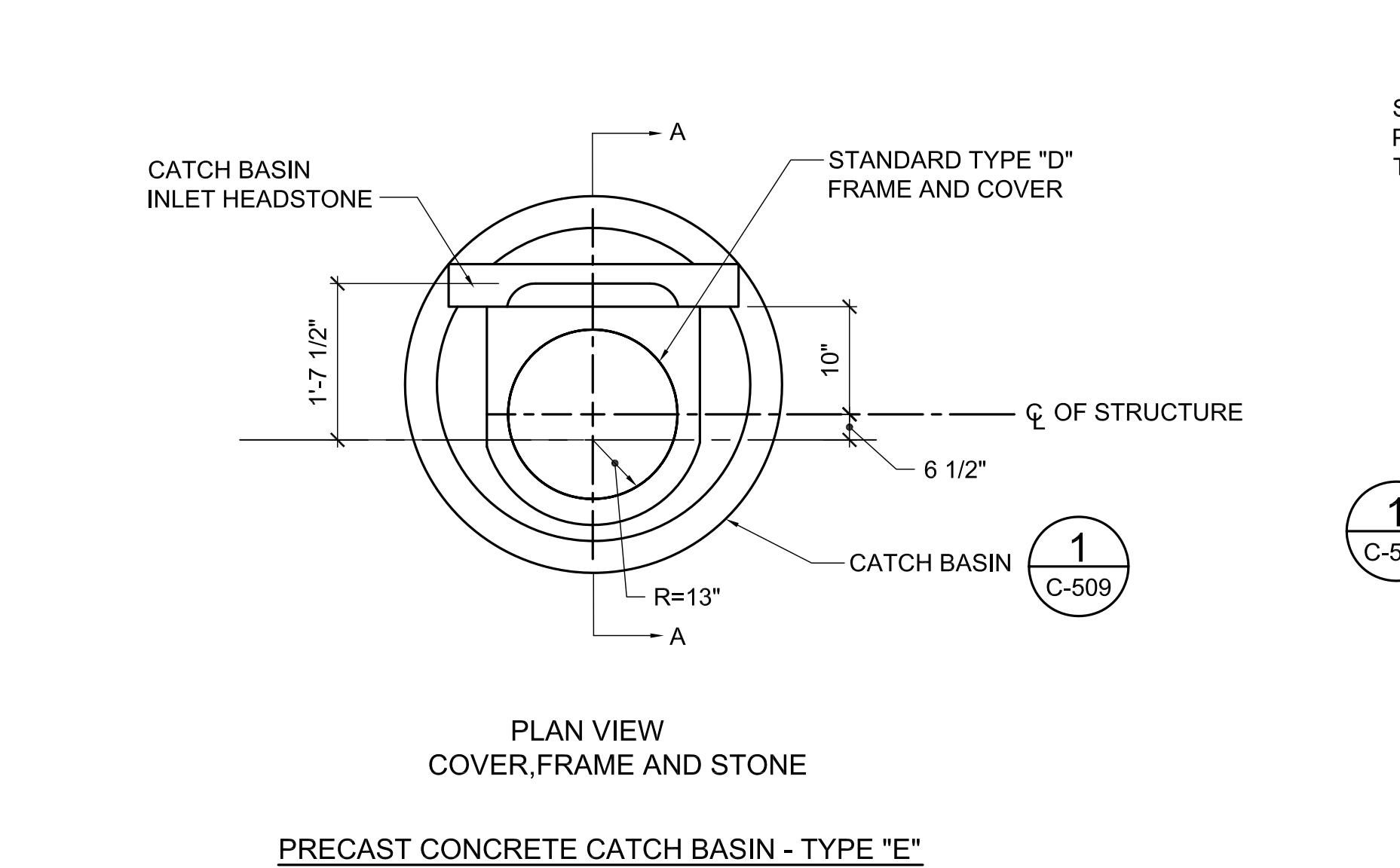
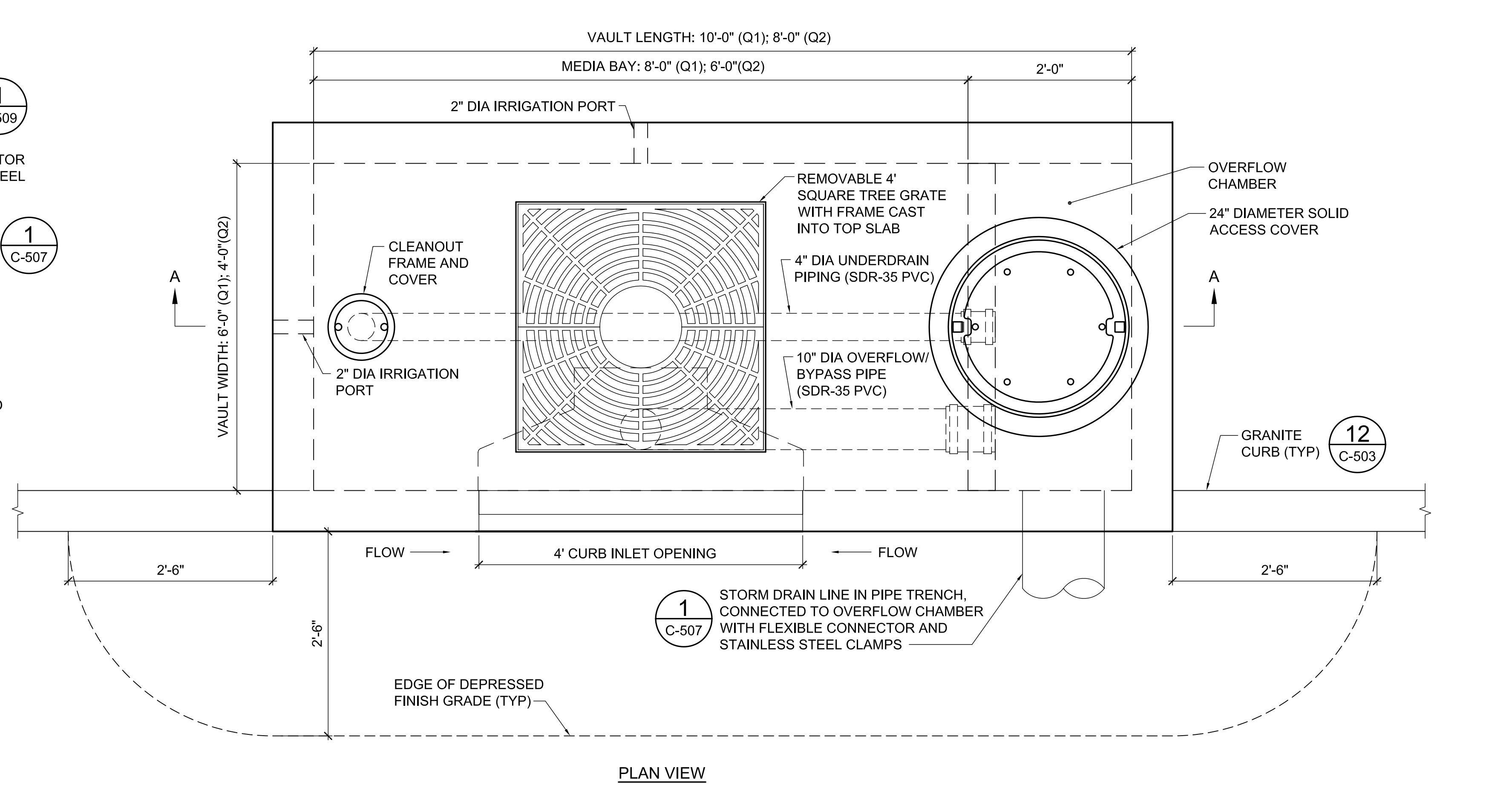


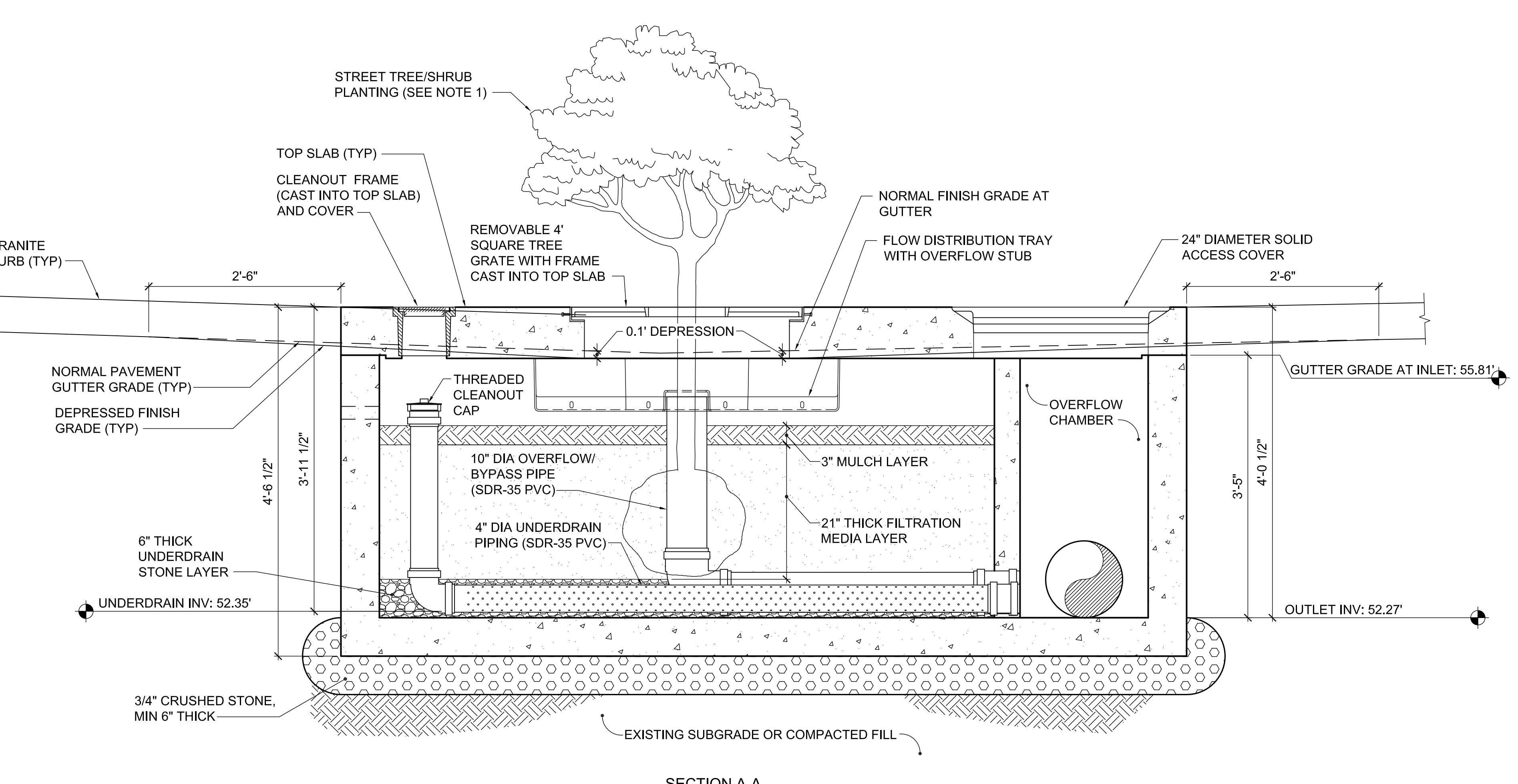
- CATCH BASIN NOTES:**
- CATCH BASINS SHALL CONFORM TO CITY OF PORTLAND'S WRITTEN REQUIREMENTS (TECHNICAL MANUAL FIGURES II-2 AND II-4).
 - CONCRETE SHALL BE MIN $F_c=5,000$ PSI.
 - PROVIDE REINFORCING TO ACHIEVE AASHTO HS-20 LOADING CLASSIFICATION (32,000 POUND AXLE LOAD).
 - CATCH BASINS SHALL CONFORM TO ASTM C478, UNLESS INDICATED OTHERWISE.
 - PROVIDE PIPE PENETRATIONS AS INDICATED ON PLANS.
 - SHIPLAP JOINTS SHALL HAVE 2 STRIPS OF 1" DIA BUTYL RUBBER SEALANT, RAM-NEK GASKET OR APPROVED EQUAL.
 - PROVIDE LOCK JOINT FLEXIBLE PIPE SLEEVES, CAST IN OR GASKET WITH EXPANSION SLEEVE.
 - EACH CASTING TO HAVE LIFTING HOLES CAST IN. PLUG LIFTING HOLES WITH GROUT AFTER PLACING MANHOLE.
 - PROVIDE REMOVABLE HYDROCARBON ABSORBING SOCK (SUMP SKIMMER) IN ALL CATCH BASINS LOCATED IN PAVED AREAS EXCEPT ON RIGGS STREET AND LOMOND STREET UNLESS INDICATED OTHERWISE.



- VALVE NOTES:**
- ALIGN VALVE SO THAT OPERATING NUT CAN BE ACCESSED USING A STANDARD 2" SQUARE DRIVE OPERATOR WITHOUT ENTERING THE CATCH BASIN.
 - VALVE SHALL BE STANDARD PVC BUTTERFLY VALVE, ETHYLENE PROPYLENE DIENE TERPOLYMER (EPDM) SEAT, WITH 2" SQUARE OPERATING NUT (SPEARS MANUFACTURING COMPANY VALVE NUMBER 722301-060, OR APPROVED EQUAL).



- CURB INLET NOTE:**
- CURB INLET SHALL BE ACCORDANCE WITH CITY OF PORTLAND'S WRITTEN REQUIREMENTS (TECHNICAL MANUAL FIGURES II-2, II-7, II-10, AND II-11)



- TREE BOX FILTER NOTES:**
- COORDINATE TREE/SHRUB SELECTION WITH MANUFACTURER'S RECOMMENDATIONS AND CITY OF PORTLAND REQUIREMENTS.
 - BASIS OF DESIGN PRODUCT: (Q1) FILTERRA FTIBC-C 8x6 AND FTIBC-C 6x4. ALTERNATE TREE BOX FILTERS SELECTED SHALL BE APPROVED FOR USE BY THE MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION. PROVIDE WRITTEN DOCUMENTATION OF DEP APPROVAL PRIOR TO INSTALLATION.
 - DIMENSIONS INDICATED ARE BASED ON ONE MANUFACTURER. COORDINATE FINAL DIMENSIONS WITH MANUFACTURER'S RECOMMENDATIONS FOR PRODUCT SELECTED.
 - INSTALL IN ACCORDANCE WITH MANUFACTURER'S WRITTEN RECOMMENDATIONS. COORDINATE COMMISSIONING OF UNITS WITH MANUFACTURER AND ARCHITECT.

3 TREE BOX FILTER DETAILS
C-509 NOT TO SCALE
CG102, CS103, CU103

4 CURB INLET DETAILS
C-509 NOT TO SCALE
CG102

STATE OF MAINE PUBLIC SCHOOL PROJECT		DRAWING NO. C-509	
TITLE NEW FRED P. HALL ELEMENTARY SCHOOL		SHEET NO. 54 OF 312	
LOCATION 23 ORONO ROAD, PORTLAND, ME		DATE 03/17/17	
TITLE THIS SHEET UTILITY DETAILS - 3		DRAWN BY JSD	
CHECKED BY JLG		DATE 03/17/17	
NO. DATE DESCRIPTION BY NO.		REVISIONS	