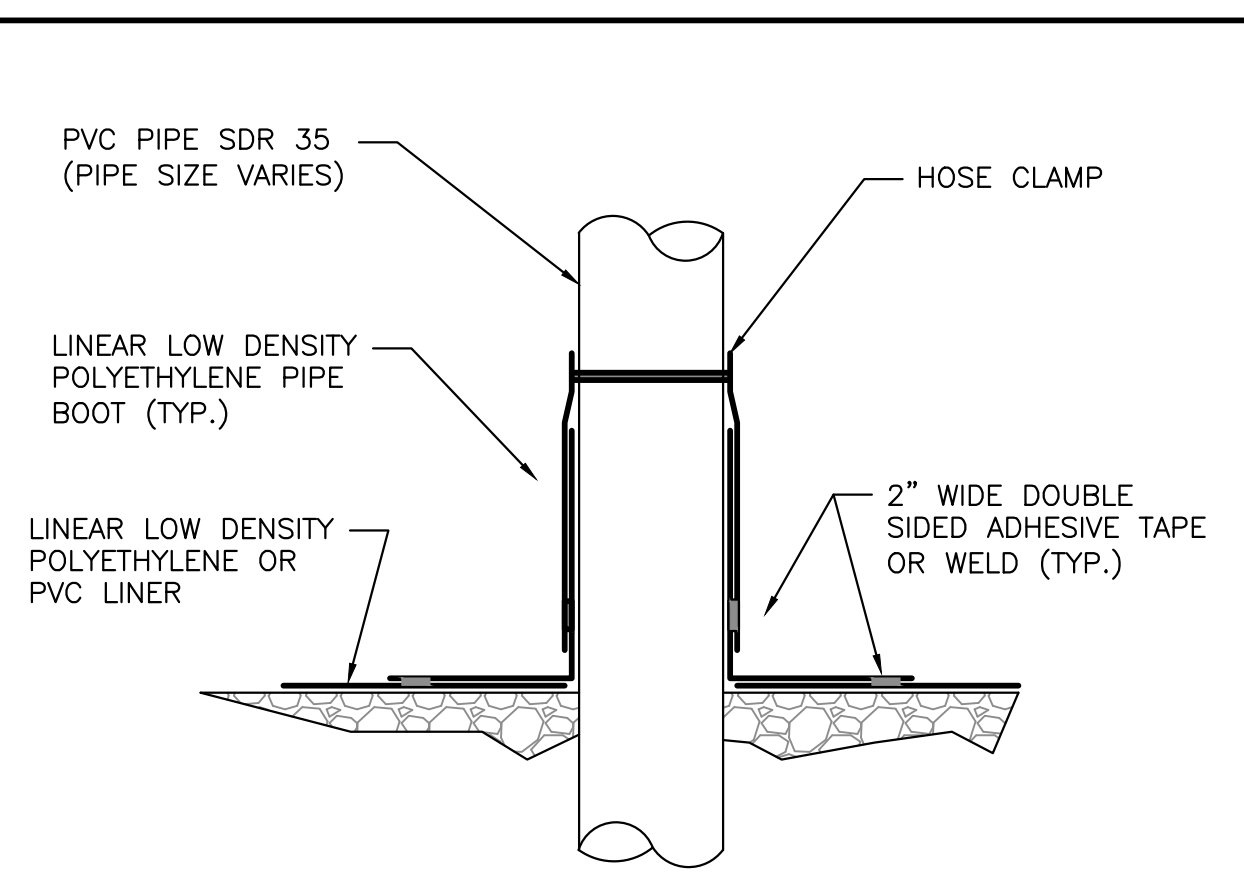
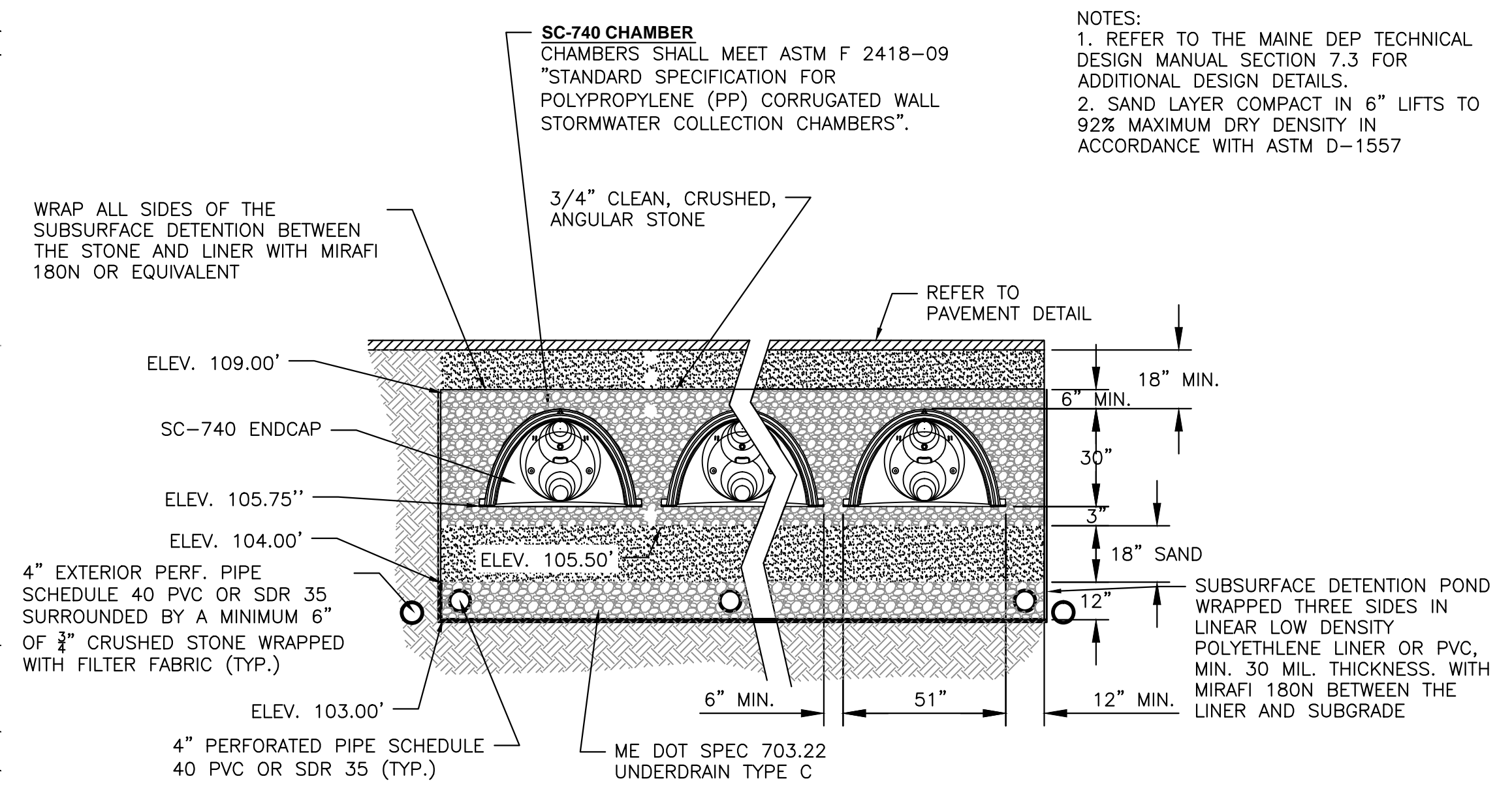


PLAN VIEW LAYOUT
1"=10'



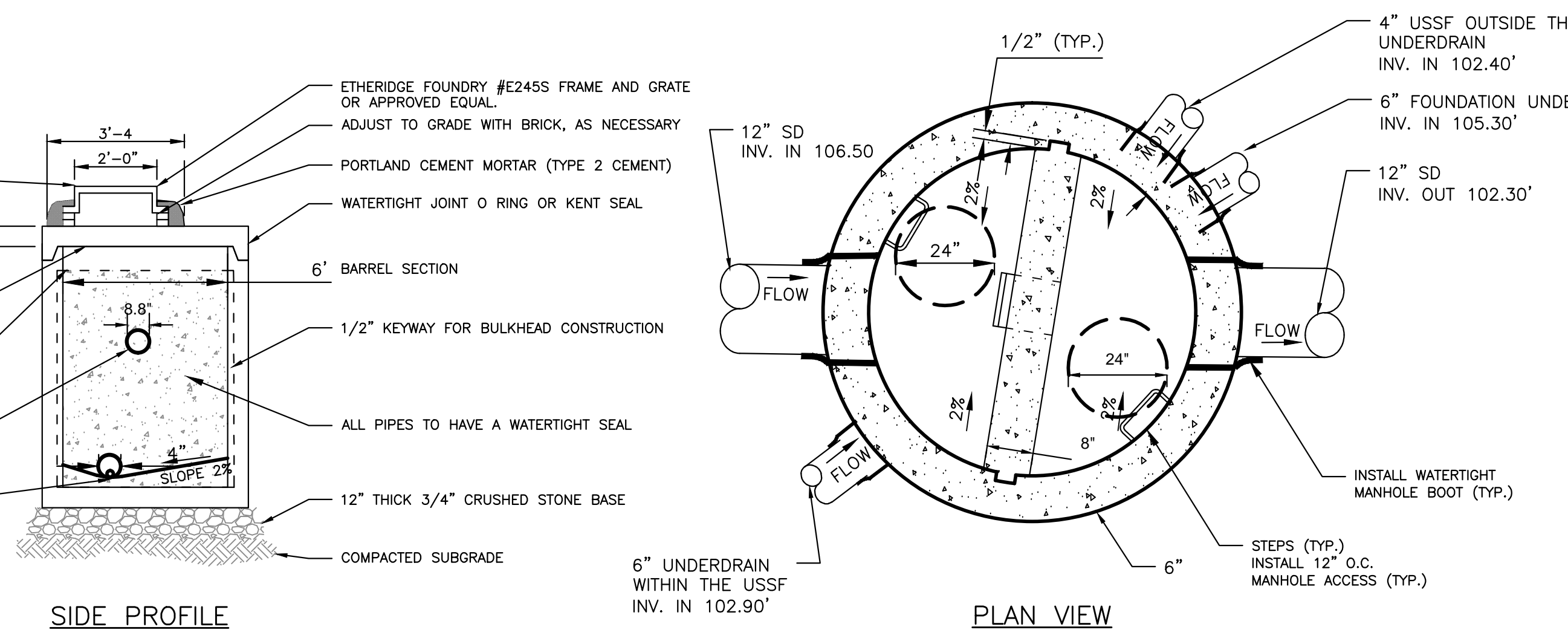
TYPICAL PIPE PENETRATION DETAIL
NOT TO SCALE

- MANUFACTURERS NOTES:
- ALL DESIGN SPECIFICATIONS FOR STORMTECH SC-740 CHAMBERS SHALL BE IN ACCORDANCE WITH THE STORMTECH DESIGN MANUAL
 - THE INSTALLATION OF STORMTECH SC-740 CHAMBERS SHALL BE IN ACCORDANCE WITH THE LATEST STORMTECH INSTALLATION INSTRUCTIONS
 - THE CONTRACTOR IS ADVISED TO REVIEW AND UNDERSTAND THE INSTALLATION INSTRUCTIONS PRIOR TO BEGINNING SYSTEM INSTALLATION. CALL 1-888-892-2694 OR VISIT WWW.STORMTECH.COM TO RECEIVE A COPY OF THE LATEST STORMTECH INSTALLATION INSTRUCTIONS
 - CHAMBERS SHALL MEET THE DESIGN REQUIREMENTS AND LOAD FACTORS SPECIFIED IN SECTION 12.12 OF THE LATEST EDITION OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS
- ENGINEERS NOTES:
- THE LAYOUT AND DIMENSION OF THE SUBSURFACE DETENTION MAY BE MODIFIED WITH AN ENGINEER APPROVED EQUAL WHICH PROVIDES EQUAL DETENTION STORAGE AND WATER QUALITY TREATMENT.
 - THE SUBSURFACE DETENTION SHALL BE INSPECTED BY THE DESIGN ENGINEER AT THE FOLLOWING INTERVALS:
 - AFTER PRELIMINARY CONSTRUCTION OF THE SUBSURFACE DETENTION GRADES
 - DURING THE CONSTRUCTION OF THE SAND FILTER LAYER
 - DURING THE INSTALLATION OF THE STORMTECH ISOLATOR ROW.
 - BEFORE BACKFILLING THE STORMTECH UNITS.

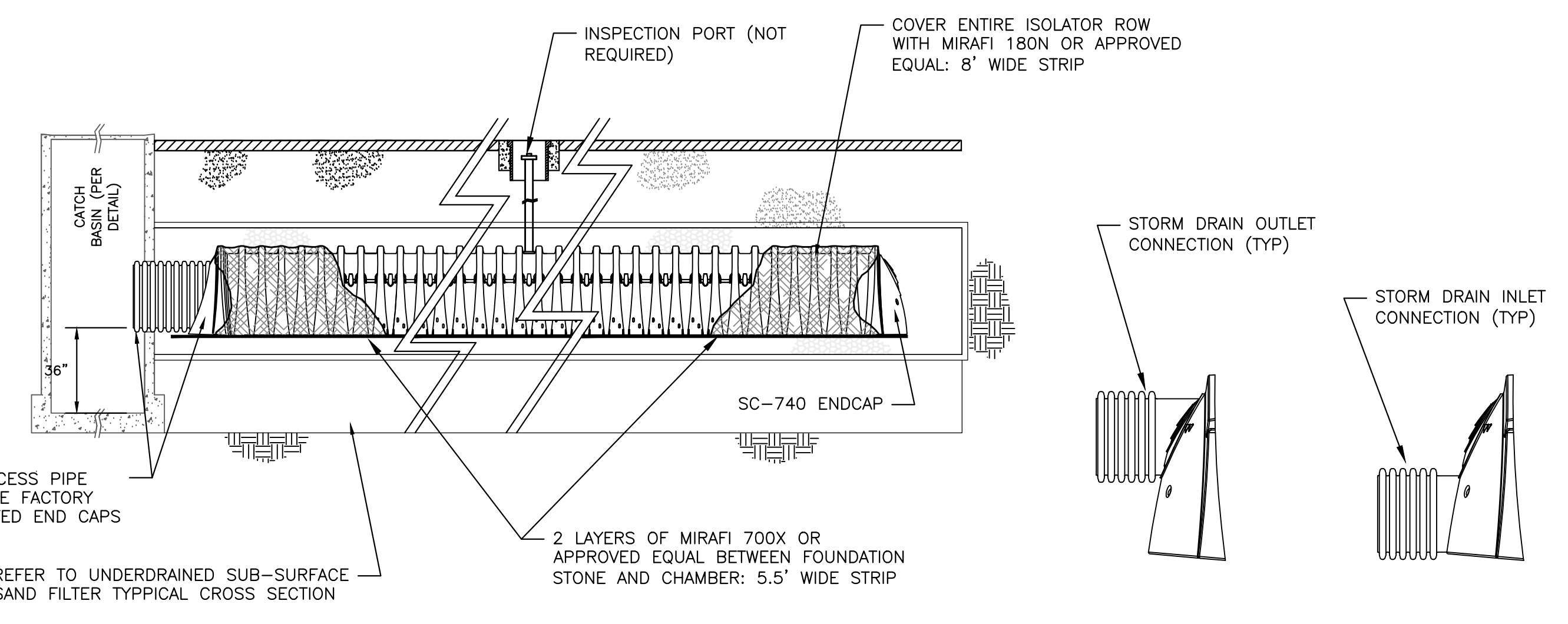


UNDERDRAINED SUB-SURFACE SAND FILTER
TYPICAL CROSS SECTION
NOT TO SCALE

- DESIGN NOTES:
- ALL CONCRETE TO HAVE A MIN. OF 4,000 PSI COMPRESSIVE STRENGTH AT 28 DAYS
 - DESIGN LOAD FOR H-20 WHEEL LOAD.
 - CATCH BASIN TO CONFORM TO ASTM-C478 SPECIFICATIONS.
 - REINFORCE TO 0.12 IN. SQ./LF.
 - JOINTS SEALED WITH BUTYL RUBBER.
 - POLYPROPYLENE STEPS 12" O.C.



OUTLET CONTROL STRUCTURE
NOT TO SCALE



ISOLATOR ROW - PROFILE VIEW
NOT TO SCALE

PERMIT DRAWINGS
NOT FOR CONSTRUCTION

ISSUED FOR	BY
WORKSHOP #2	WHS
FINAL SUBMISSION	11/12/13
	WHS
	12/2/13
REVISION	REV. DATE
REV. STANDARD DETAIL	12/2/13
STAFF COMMENTS	WHS
	12/6/13

DRAWING NAME: UNDERDRAIN SUB-SURFACE SAND FILTER
PROJECT NAME: MUNJOY HEIGHTS
CLIENT: REDFERN MUNJOY, LLC.
P.O. BOX 8816, PORTLAND, MAINE 04104

ACORN ENGINEERING, INC.
3372 PORTLAND, MAINE 04104
(207) 775-2655

FILE: 1047_details
11-227-2043.dwg
DATE: 7/11/13
JN: 302-001
SCALE: NTS
DESIGN BY: WHS
DRAWN BY: ZRJ
CHECKED BY: WHS

DRAWING NO. C-46