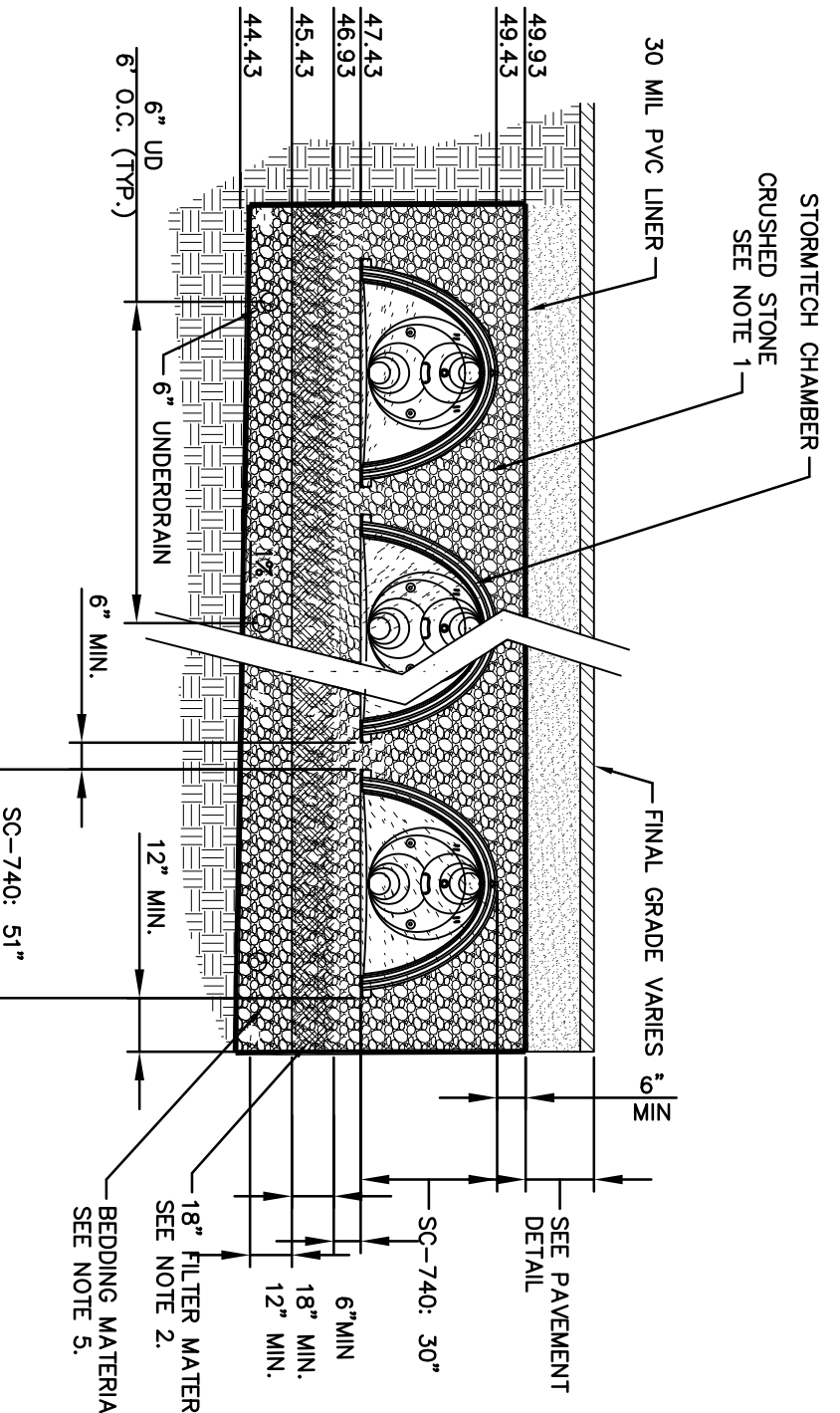
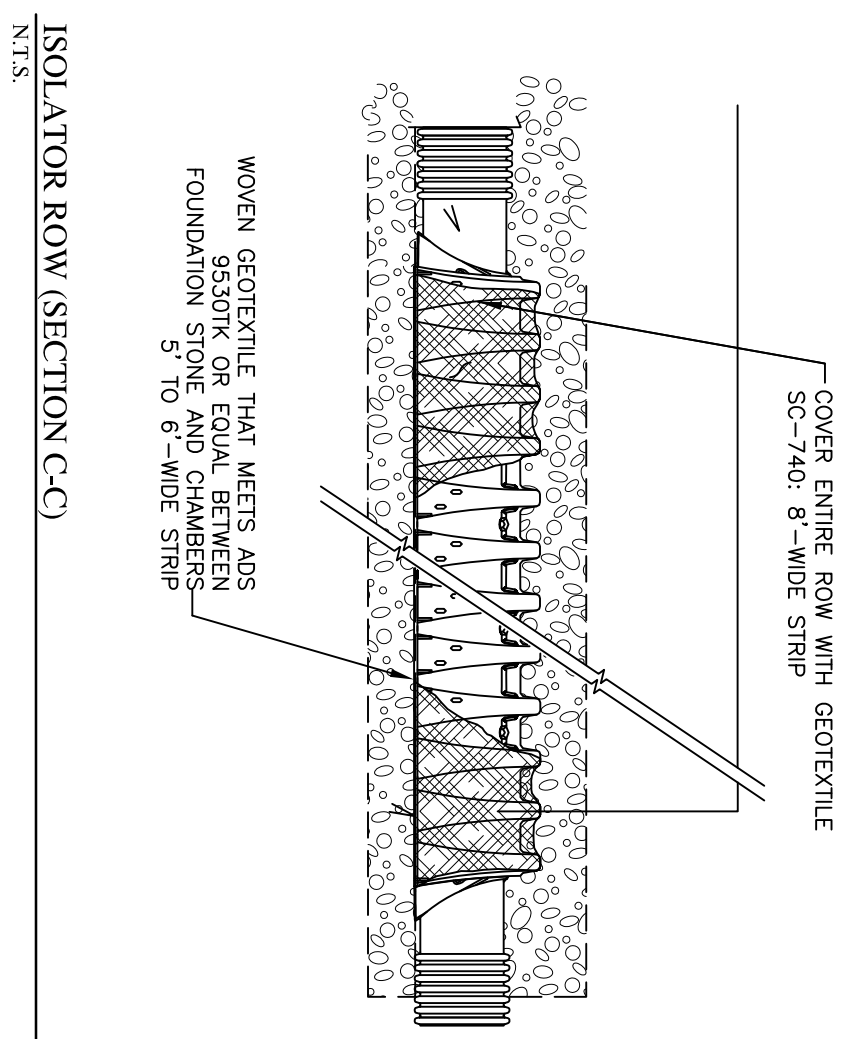
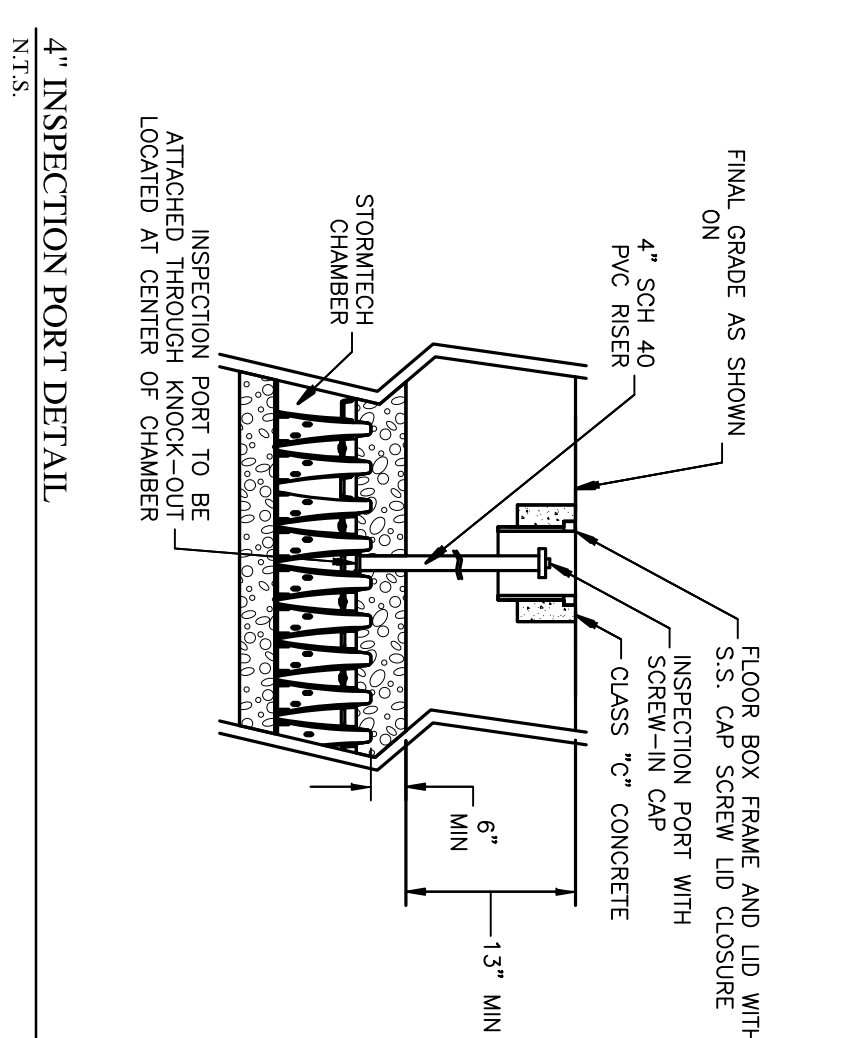


DESIGN STORM
ELEVATION SURFACE
25TR-50.69
1-1-INCH-47.26

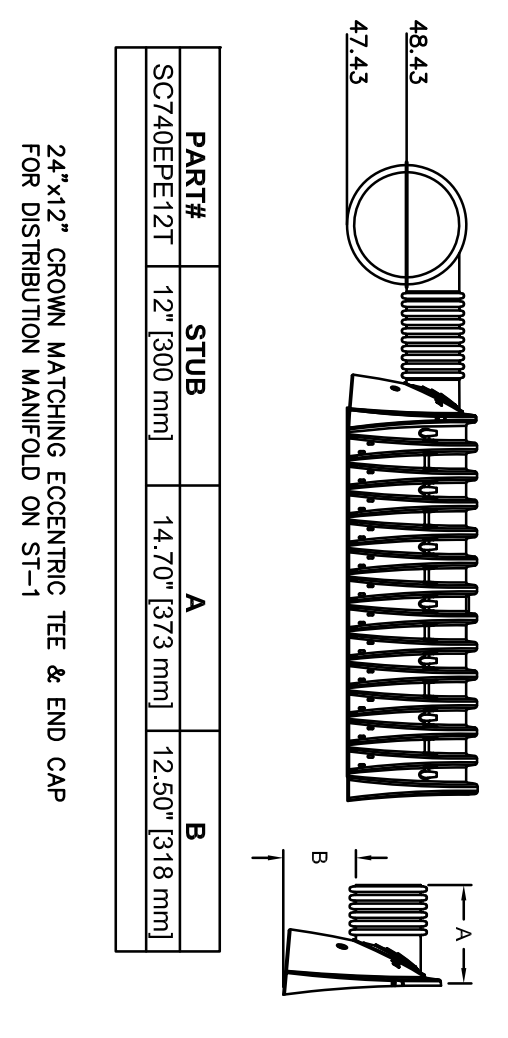
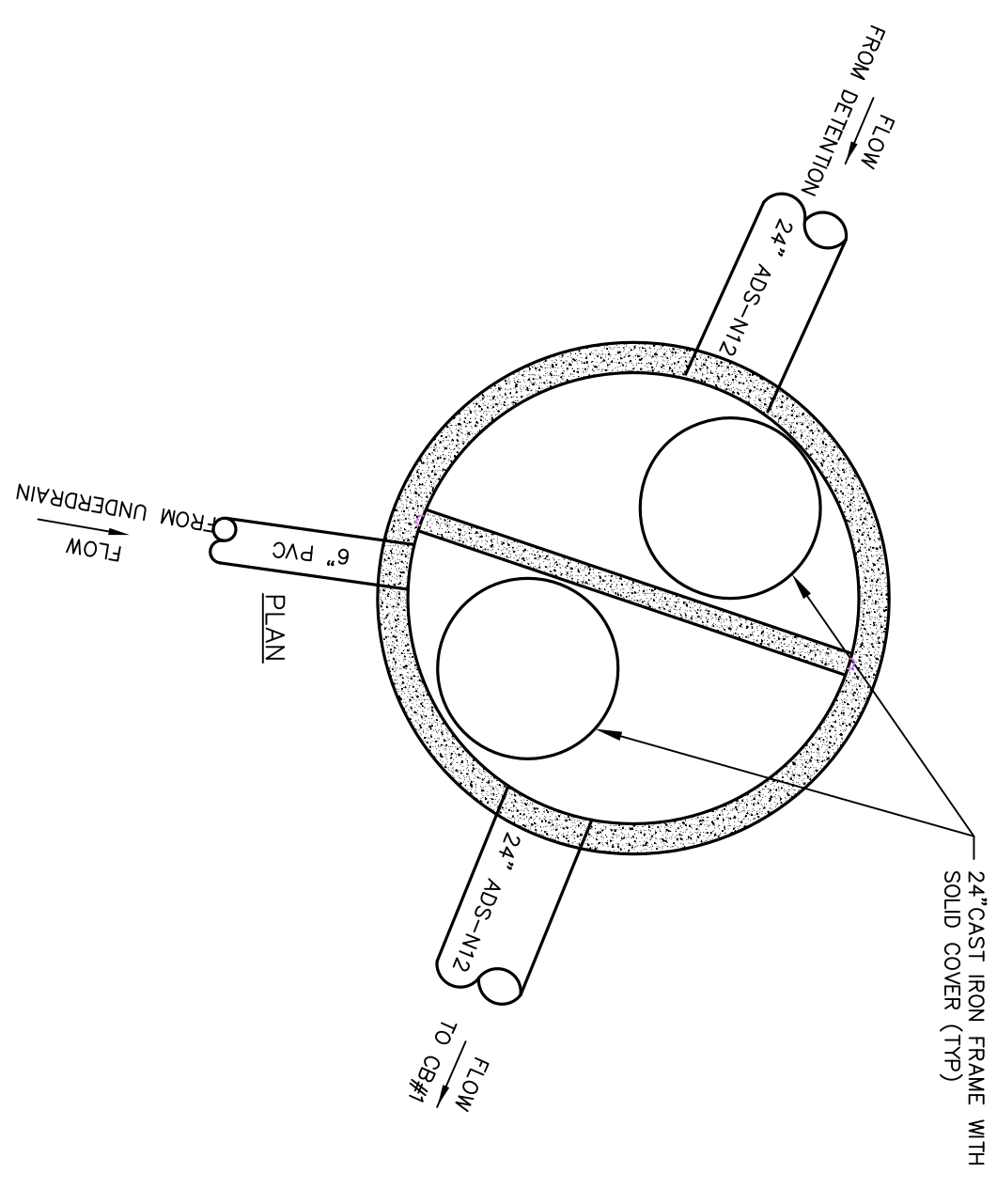


- GENERAL NOTES PERTAINING TO STORMTECH CHAMBERS
- CRUSHED STONE SHALL BE 3/4" -2" CLEAN, CRUSHED, ANGULAR STONE.
 - SAND FILTER SHALL BE A LUMPY MIX FREE OF STONES, STUMPS, ROOTS, OR OTHER SIMILAR OBJECTS LARGER THAN TWO INCHES. THE SOIL FILTER SHALL HAVE MINIMAL CLAY CONTENT, BUT SHALL CONTAIN BETWEEN 8% AND 12% FINES PASSING THE #20 SIEVE, AND THE SPECIFICATIONS SHOWN IN THIS DRAWING SHALL BE FOLLOWED. THE SAND FILTER SHALL BE TESTED TO ENSURE ADEQUATE PERMEABILITY AT COMPACTION (92 TO 95% PROCTOR).
 - GEOTEXTILE SHALL BE MIRAFIX 160N OR EQUAL UNLESS OTHERWISE STATED.
 - OUTLET PIPES SHALL BE 6" PERFORATED OR SLOTTED RIGID PVC SCHEDULE 40 PVC OR SDR35.
 - BEDDING MATERIAL
 - UNDERDRAIN BEDDING MATERIAL SHALL BE CLEAN, COARSE GRAVEL MEETING MDOT 703.22 TYPE C (SEE TABLE THIS SHEET).
 - STORMTECH CHAMBERS
 - MANUFACTURER: STORMTECH LLC, 20 BEAVER ROAD, SUITE 104, MERRIFIELD, VT 05693, (855) 852-2894.
 - DETAILS ADAPTED FROM CAD DRAWINGS DOWNLOADED FROM STORMTECH LLC CADDRAWINGS.COM, ACCESSED MARCH 2008.
 - GROSS SECTIONS DETAIL, THE REQUIREMENTS NECESSARY TO SATISFY THE LOAD FACTORS SPECIFIED IN THE MASHTO LOAD BROUO DESIGN SPECIFICATIONS SECTION 12.12 FOR EXIST AND LIVE LOADS USING STORMTECH CHAMBERS.
 - STORMTECH CHAMBERS SHALL MEET ASTM F 2418-05 "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
 - INVERT AND SIZING INFORMATION PROVIDED IN DETAILS ON THIS SHEET.

| FILTER MEDIA GRADATION | |
|------------------------|---------------------|
| SIEVE SIZE | % PASSING BY WEIGHT |
| 3/8" | 100 |
| #4 | 98-100 |
| #10 | 80-100 |
| #20 | 50-85 |
| #30 | 25-60 |
| #60 | 10-30 |
| #100 | 2-10 |
| #200 | 8-10 |

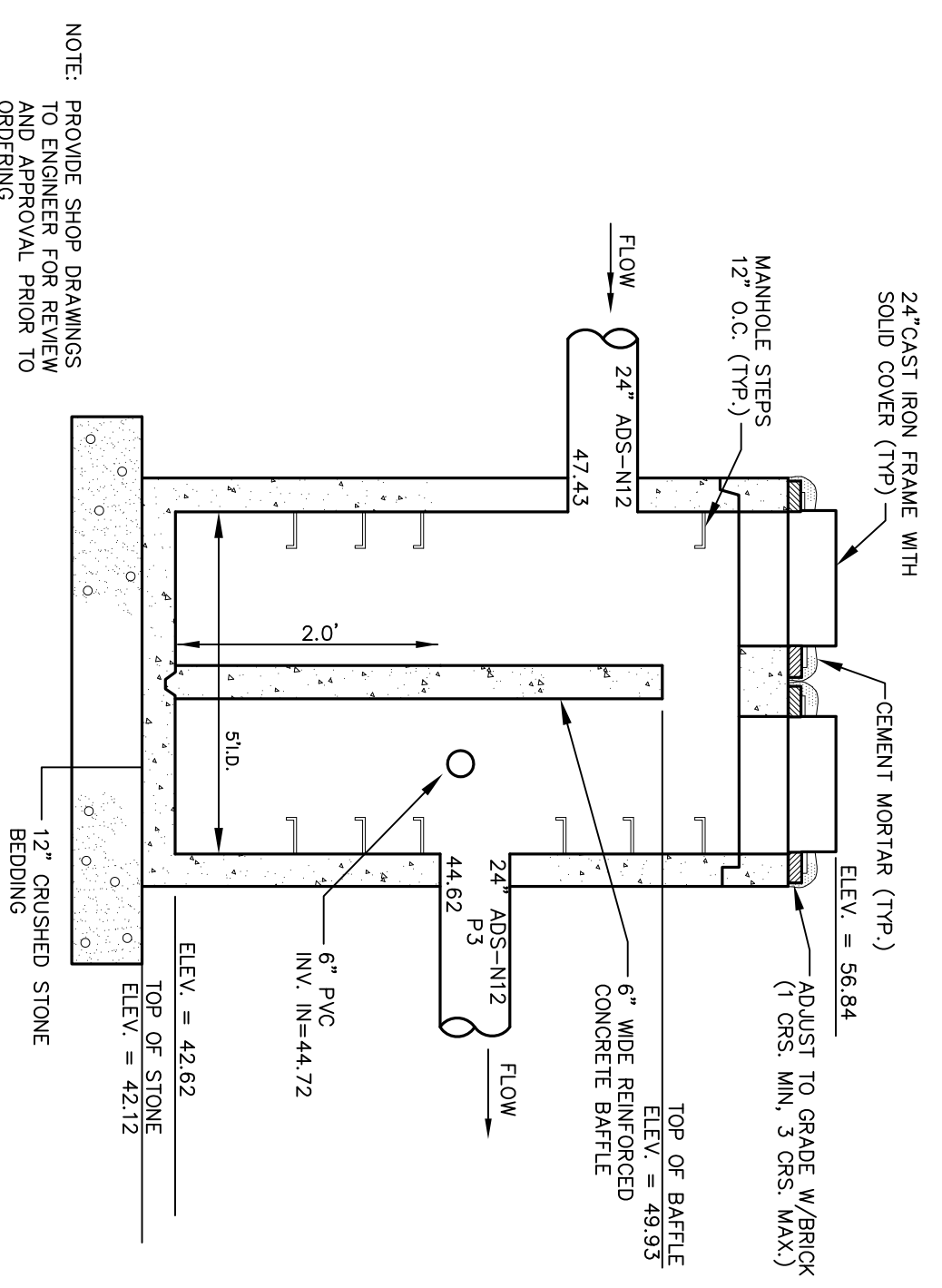
| BEDDING GRADATION (MDOT 703.22 TYPE C) | |
|--|---------------------|
| SIEVE SIZE | % PASSING BY WEIGHT |
| 1" | 100 |
| 3/4" | 90-100 |
| 3/8" | 0-75 |
| #4 | 0-25 |
| #10 | 0-5 |

A STORMTECH CHAMBER DETAILS

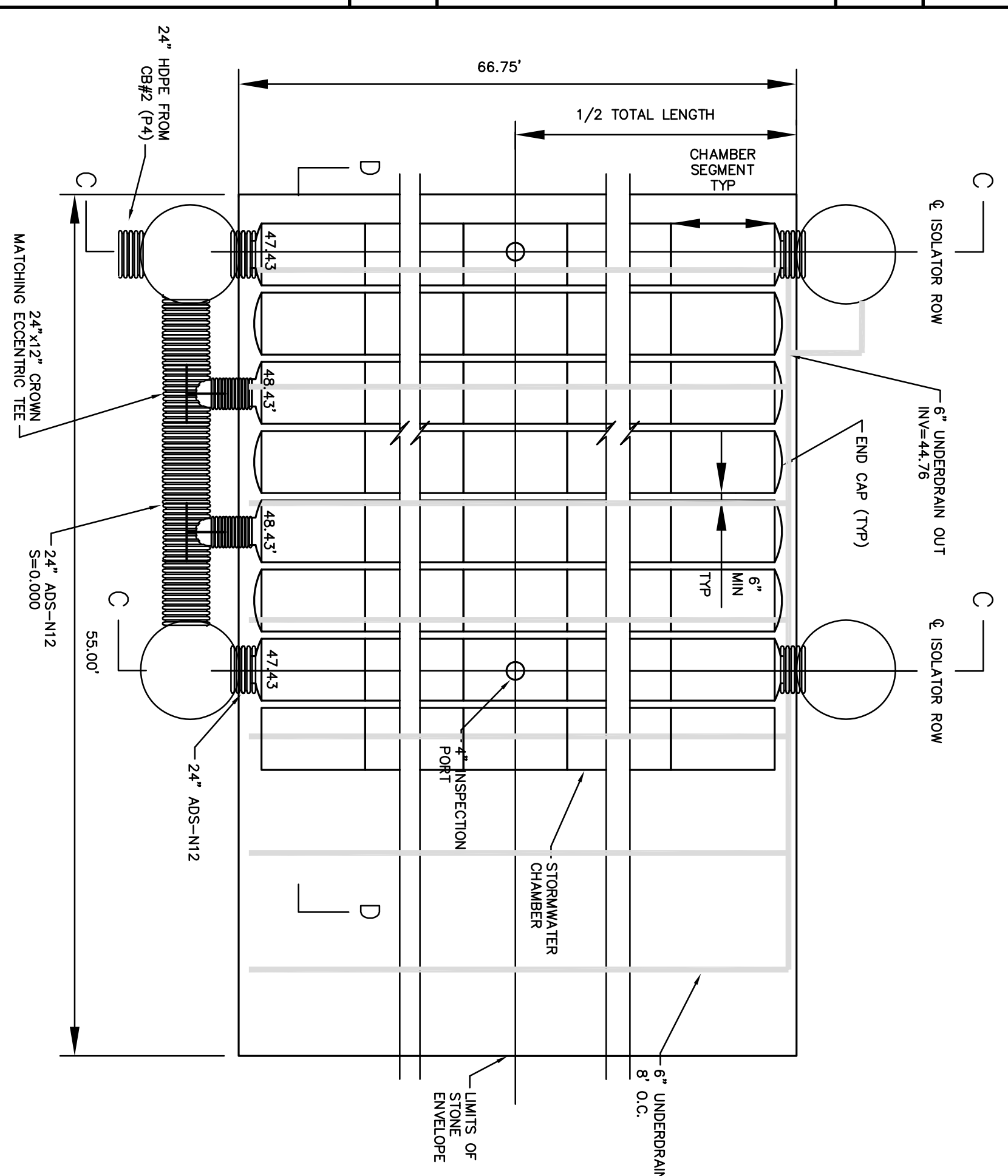


C MANIFOLD SECTION

B OUTLET CONTROL STRUCTURE (OCS#1)



D STORMWATER CHAMBER LAYOUT (72 CHAMBERS)



STORMWATER DETAILS

PROJECT: PROPOSED BUILDING EXPANSION
185 RAND ROAD, PORTLAND, ME 04102
OWNER: OLD DOMINION FREIGHT LINES, INC.
500 OLD DOMINION WAY, THOMASVILLE, NC 27360

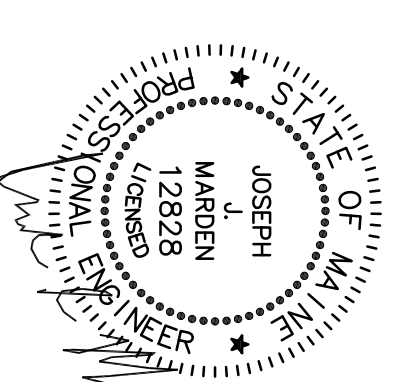
SITELINES, PA
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8 CUMBERLAND STREET, BRUNSWICK, ME 04011
207.725.1200
www.sitelinespa.com

FIELD WK: JIM/MC
DRN BY: RPL
CHD BY: CVN
DATE: 02/26/14

JOB #: 2454
MAPLOT: 254/A007001
FILE: 2454-COVER-D1ET

SHEET: **C7**

REVISIONS:
2. 06/19/14 REVISED PER CITY COMMENTS
1. 05/19/14 SUBMITTED TO CITY AND MBER



NOTE: PROVIDE SHOP DRAWINGS TO ENGINEER FOR REVIEW AND APPROVAL PRIOR TO ORDERING.