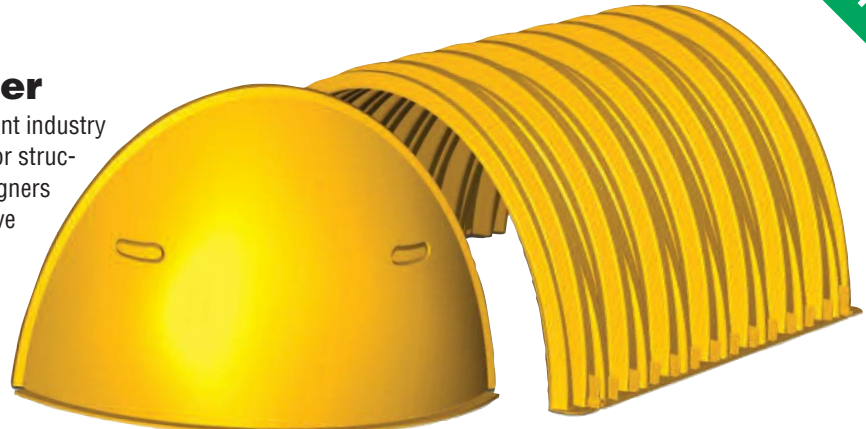




StormTech MC-3500 Chamber

Designed to meet the most stringent industry performance standards for superior structural integrity while providing designers with a cost-effective method to save valuable land and protect water resources. The StormTech system is designed primarily to be used under parking lots thus maximizing land usage for commercial and municipal applications.



MC-3500 Chamber

StormTech MC-3500 Chamber (not to scale)

Nominal Chamber Specifications

| | |
|-------------------------|---|
| Size (L x W x H) | 90" (2286 mm) x 77" (1956 mm) x 45" (1143 mm) |
| Chamber Storage | 109.9 ft ³ (3.11 m ³) |
| Min. Installed Storage* | 178.9 ft ³ (5.06 m ³) |
| Weight | 134 lbs (60.8 kg) |

*This assumes a minimum of 12" (305 mm) of stone above, 9" (229 mm) of stone below chambers, 9" (229 mm) row spacing, and 40% stone porosity.

StormTech MC-3500 End Cap (not to scale)

Nominal End Cap Specifications

| | |
|-------------------------|--|
| Size (L x W x H) | 26.5" (673 mm) x 71" (1803 mm) x 45.1" (1145 mm) |
| End Cap Storage | 15.8 ft ³ (0.44 m ³) |
| Min. Installed Storage* | 46.9 ft ³ (1.33 m ³) |
| Weight | 43 lbs (19.5 kg) |

*This assumes a minimum of 12" (305 mm) of stone above, 9" (229 mm) of stone below, 9" (229 mm) row spacing, 6" (152 mm) of stone perimeter, and 40% stone porosity.

Shipping

- 15 chambers/pallet
- 16 end caps/pallet
- 7 pallets/truck

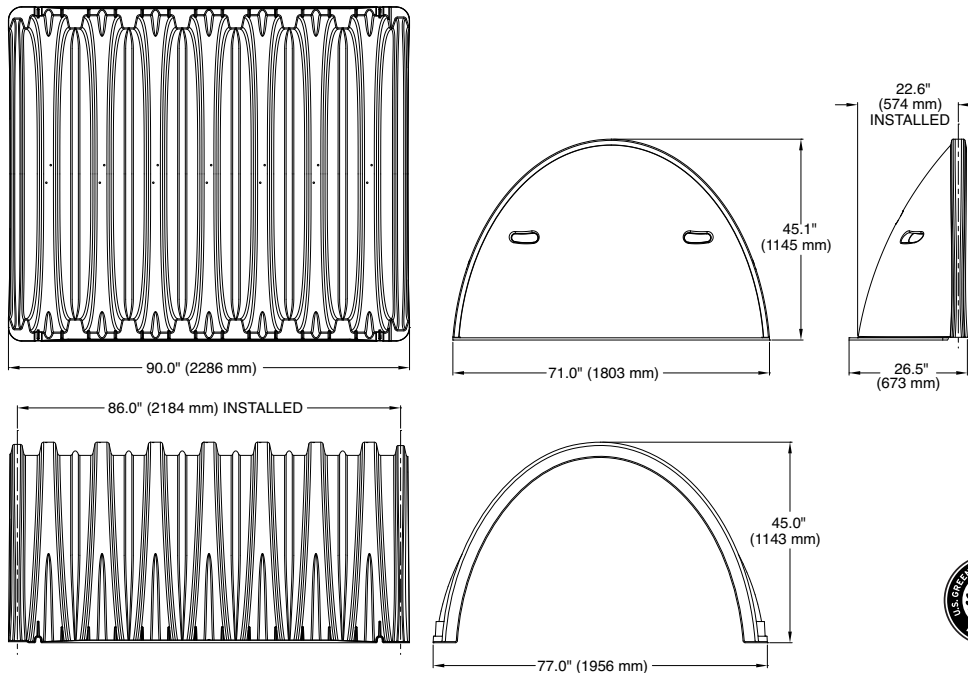
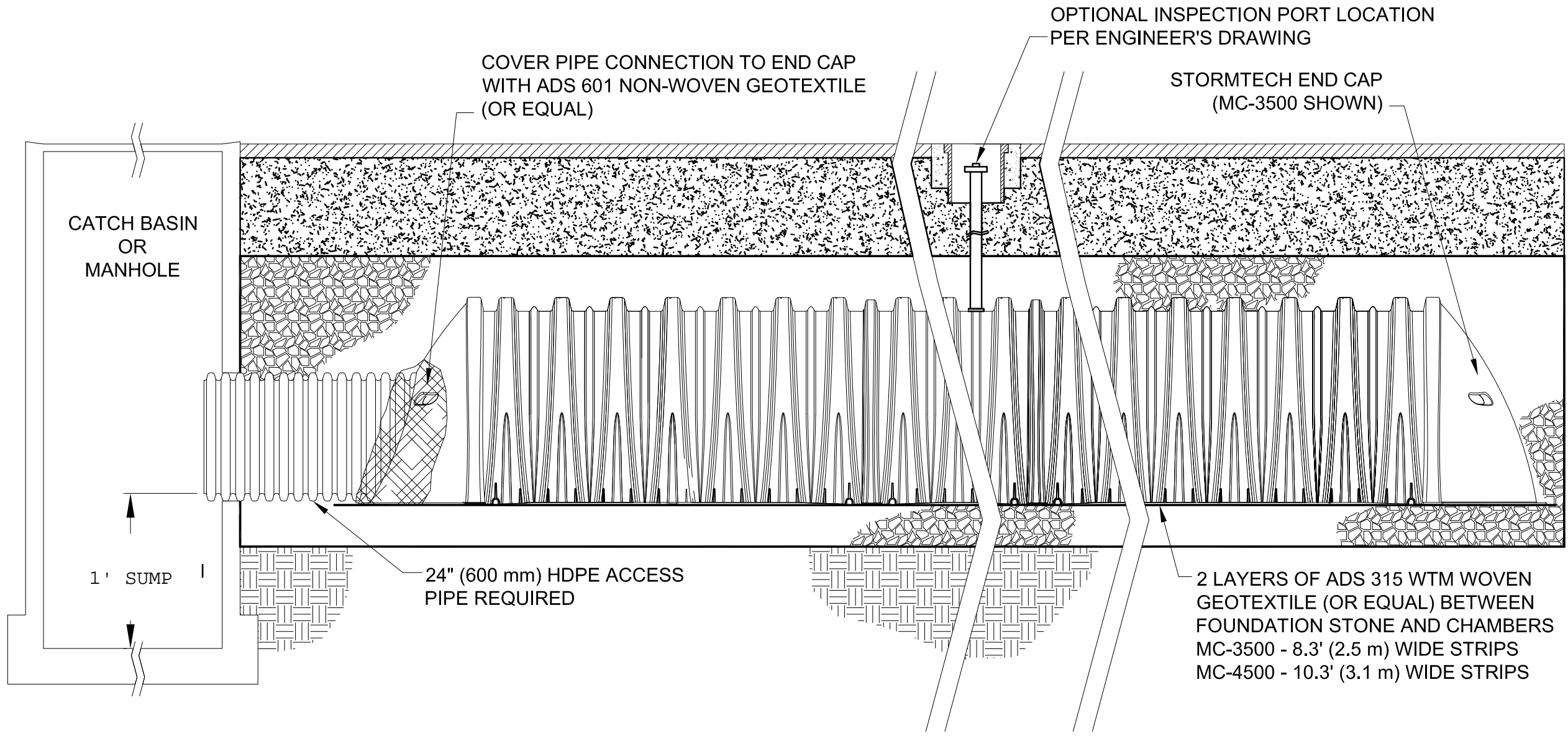
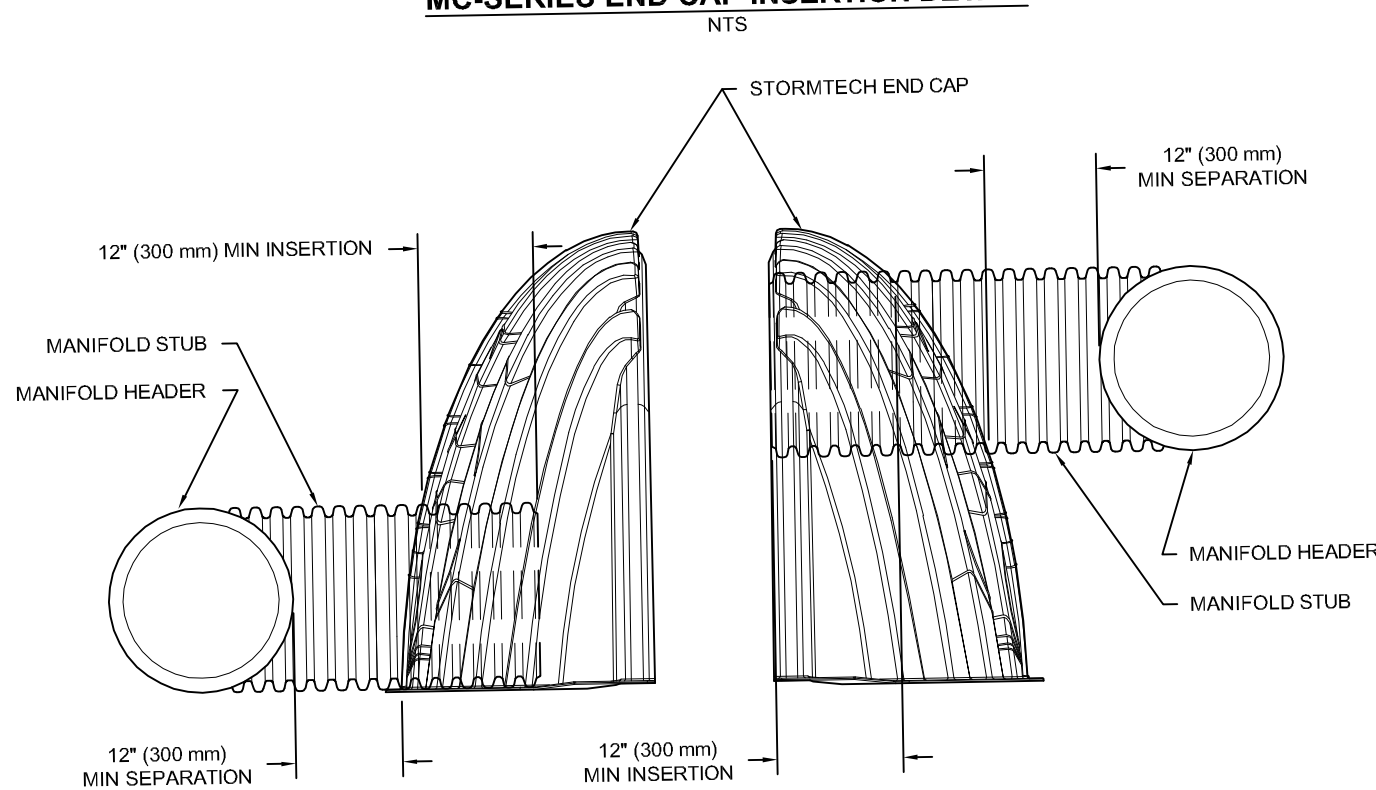


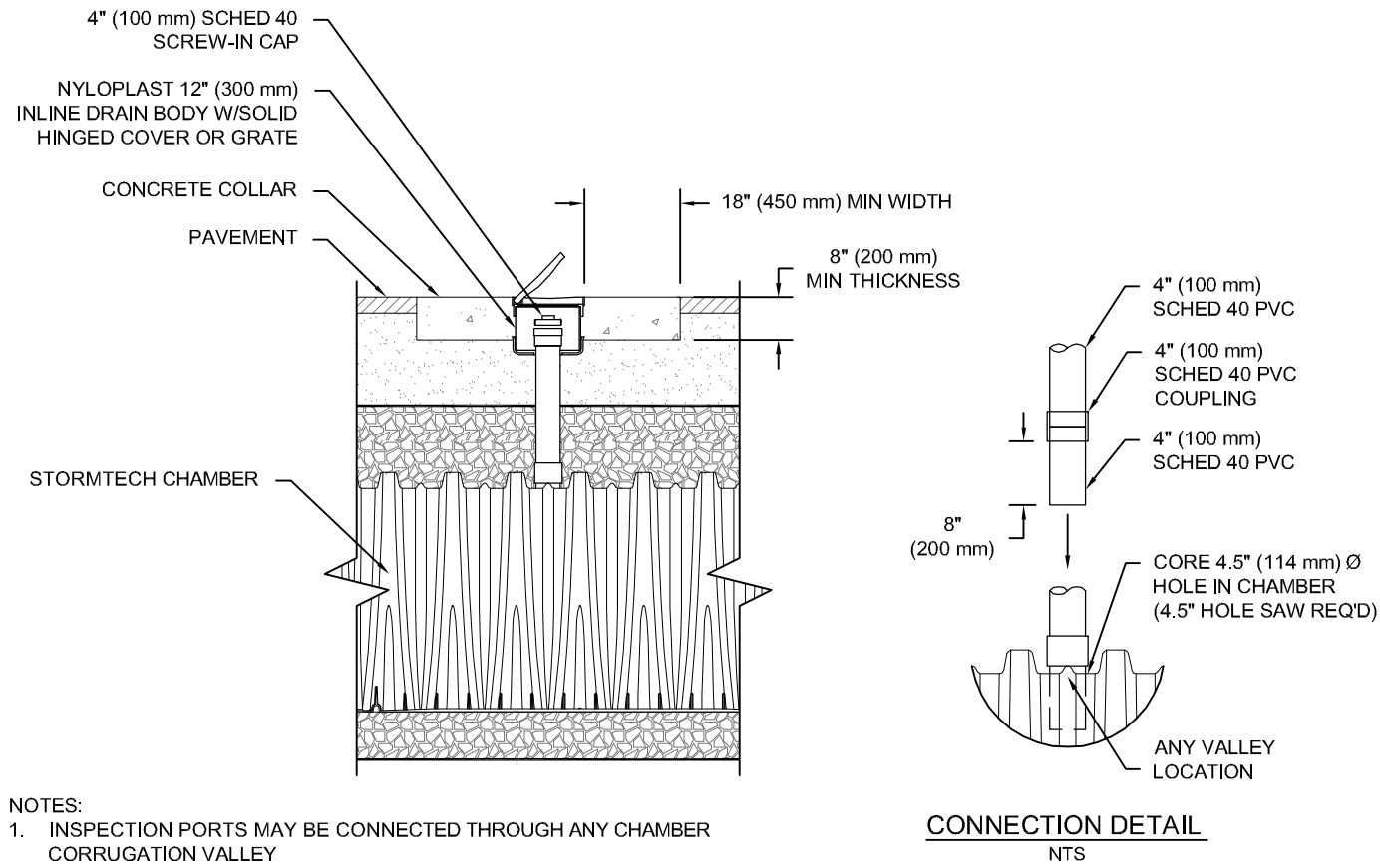
FIGURE 12 – StormTech Isolator Row Detail



MC-SERIES END CAP INSERTION DETAIL



NOTE: MANIFOLD STUB MUST BE LAID HORIZONTAL FOR A PROPER FIT IN END CAP OPENING.



- NOTES:
- INSPECTION PORTS MAY BE CONNECTED THROUGH ANY CHAMBER CORRUGATION VALLEY
 - ALL SCHEDULE 40 FITTINGS TO BE SOLVENT CEMENTED.

Storage Volume Per Chamber/End Cap ft³ (m³)

| | Base Unit Storage ft ³ (m ³) | Chamber/End Cap and Stone Foundation Depth in. (mm) | | | |
|-----------------|---|---|--------------|--------------|-------------|
| | | 9 (229) | 12 (305) | 15 (381) | 18 (457) |
| MC-3500 Chamber | 109.9 (3.11) | 178.9 (5.06) | 194.0 (5.51) | 189.2 (5.36) | 194.3 (5.5) |
| MC-3500 End Cap | 15.84 (0.44) | 46.9 (1.33) | 48.6 (1.38) | 50.3 (1.43) | 52.0 (1.47) |

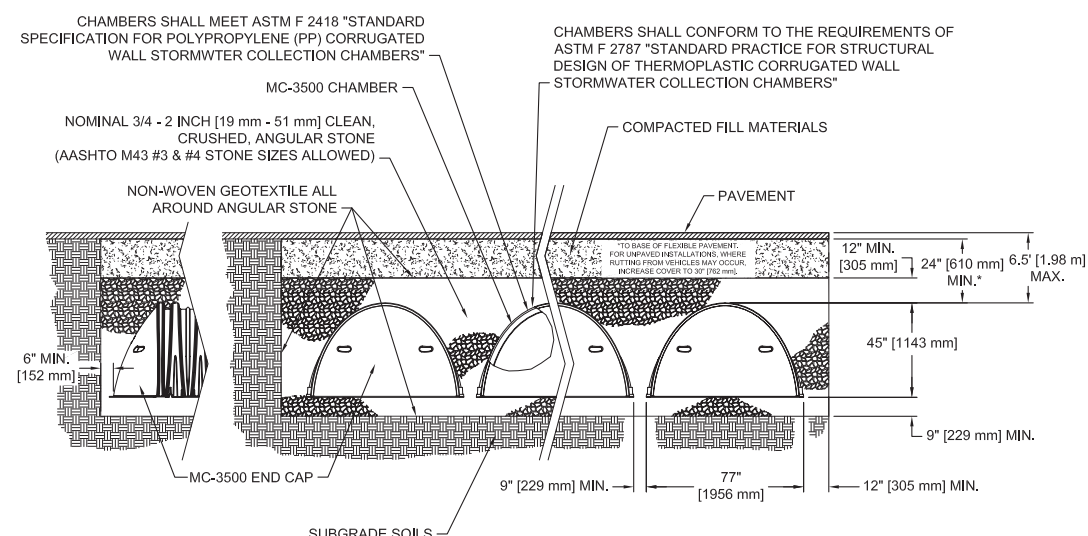
NOTE: Assumes 9" (229 mm) row spacing, 40% stone porosity 12" (305 mm) stone above and includes the bare chamber/end cap volume. End Cap volume assumes 6" (152 mm) stone perimeter.

Volume of Excavation Per Chamber/End Cap in yd³ (m³)

| | Stone Foundation Depth in. (mm) | | | |
|---------|---------------------------------|------------|-------------|-------------|
| | 9 (229) | 12 (305) | 15 (381) | 18 (457) |
| MC-3500 | 12.4 (9.5) | 12.8 (9.6) | 13.3 (10.2) | 13.8 (10.5) |
| End Cap | 4.1 (3.1) | 4.3 (3.3) | 4.4 (3.4) | 4.6 (3.5) |

NOTE: Assumes 9" (229 mm) of separation between chamber rows and 24" (610 mm) of cover. The volume of excavation will vary as the depth of cover increases.

General Cross Section



- NOTES:
- THIS CROSS SECTION PROVIDES GENERAL INFORMATION FOR THE MC-3500 CHAMBER. STORMTECH MC-3500 CHAMBERS MUST BE DESIGNED AND INSTALLED IN ACCORDANCE WITH THE MC-3500 DESIGN MANUAL AND MC-3500 CONSTRUCTION GUIDE.
 - PROPERLY INSTALLED MC-3500 CHAMBERS PROVIDE THE LOAD FACTORS SPECIFIED IN THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS FOR EARTH AND LIVE LOADS WITH CONSIDERATION FOR IMPACT AND MULTIPLE PRESENCES.
 - PERIMETER STONE MUST ALWAYS BE BROUGHT UP EVENLY WITH BACKFILL OF BED. PERIMETER STONE MUST EXTEND HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH STRAIGHT OR SLOPED SIDEWALLS.



A division of **ADS**
70 Inwood Road, Suite 3 | Rocky Hill | Connecticut | 06067
860.529.8188 | 888.892.2694 | fax 860.328.8401 | fax 860.529.8040 | www.stormtech.com



ADS "Terms and Conditions of Sale" are available on the ADS website, www.ads-pipe.com.
Advanced Drainage Systems, the ADS logo, and the green stripe are registered trademarks of Advanced Drainage Systems.
StormTech® is a registered trademark of StormTech, Inc.
The Green Building Council Member logo is a registered trademark of the U.S. Green Building Council.
S150009 06/12

© 2012 Advanced Drainage Systems, Inc.

Printed on recycled paper

| | | |
|--------------------------------------|--|----------------------------|
| | TRACT B-1-A-5 CLIFFORD INDUSTRIAL PARK | DRAWN BY JDG |
| | DETAIL SHEET | DATE 11-26-2014 |
| | 1606 CENTRAL AVENUE SE SUITE 201 ALBUQUERQUE, NM 87106 (505) 872-0999 | SHEET # 1 OF 1 JOB # |
| 1/7/15 DAVID SOULE P.E. #14522 | | |