

THE INSTALLED CHAMBER SYSTEM SHALL PROVIDE THE LOAD FACTORS SPECIFIED IN THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS SECTION 12.12 FOR EARTH AND LIVE LOADS, WITH CONSIDERATION FOR IMPACT AND MULTIPLE VEHICLE PRESENCE.

**SC-740 CHAMBER**

CHAMBERS SHALL MEET ASTM F 2418-05 "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".

3/4" - 2" (19 mm - 51 mm) CLEAN, CRUSHED, ANGULAR STONE

AASHTO M288 CLASS 2 NON-WOVEN GEOTEXTILE

GRANULAR WELL GRADED SOIL/AGGREGATE MIXTURES, <35% FINES. COMPACT IN 6" LIFTS TO 95% PROCTOR DENSITY. SEE THE TABLE OF ACCEPTABLE FILL MATERIALS

PAVEMENT

SC-740 END CAP

FOR UNPAVED INSTALLATION WHERE RUTTING FROM VEHICLES MAY OCCUR, INCREASE COVER TO 24" (610 mm) MINIMUM.

18" (457 mm) MIN. 96" (2438 mm) MAX.

6" (152 mm) MIN.

30" (762 mm)

DEPTH OF STONE TO BE DETERMINED BY DESIGN ENGINEER / 6" (152 mm) MIN.

DESIGN ENGINEER IS RESPONSIBLE FOR ENSURING THE REQUIRED BEARING CAPACITY OF SUBGRADE SOILS

6" (152 mm) MIN.

51" (1295 mm)

12" (305 mm) MIN. TYP.

THIS CROSS SECTION DETAILS THE REQUIREMENTS NECESSARY TO SATISFY THE LOAD FACTORS SPECIFIED IN THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS SECTION 12.12 FOR EARTH AND LIVE LOADS USING STORMTECH CHAMBERS

**STORMTECH STANDARD DETAIL DISCLAIMER**

STORMTECH STANDARD DETAILS DEMONSTRATE RECOMMENDATIONS FOR INSTALLATION AND/OR STANDARD DIMENSIONS OF STORMTECH PRODUCTS. STORMTECH DETAILS DO NOT SUPERSEDE ANY STATE OR LOCAL REGULATORY SPECIFICATIONS. IT IS THE RESPONSIBILITY OF THE CONSULTING ENGINEER TO ENSURE COMPLIANCE WITH ALL REGULATORY SPECIFICATIONS. STORMTECH HAS NOT AUTHORIZED, AND IS NOT RESPONSIBLE FOR ANY ALTERATIONS BY OTHERS TO STORMTECH STANDARD DETAILS.



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**SC-740 STANDARD CROSS-SECTION**

SCALE: NTS  
DATE: 11-7-08  
DRAWN BY: JLB  
CHECKED:

