AASHTO M288 CLASS 2 NON-WOVEN GEOTEXTILE OR EQUAL, SIDES AND TOP ONLY

END CAP PIPE CONNECTION MAX O.D. (see table)

OPTIONAL #6 150mm UNDERDRAIN W/SOCK PER ENGINEER (TYP)

3/8"-2" (20-50mm) WASHED, CRUSHED, ANGULAR STONE (IGNEOUS RECOMMENDED)

1 1/2" MIN (37mm)

CONNECTOR PIPE (#12" (300mm) PVC SHOWN)

18" MIN (450mm)

6" MIN (150mm)

6" MIN (150mm)

GRANULAR WELL GRADED SOIL/AGGREGATE MIXTURES. <35% FINES, COMPACT IN 6" (150mm) LIFTS TO 95% PROCTOR DENSITY. SEE THE TABLE OF ACCEPTABLE FILL MATERIALS.

FOR UPLAND INSTALLATION WHERE RUNNING FROM VEHICLES MAY OCCUR, INCREASE COVER TO 24" (600mm)

ENGINEER TO VERIFY SUITABILITY OF SUBGRADE SOILS

CHAMBER WIDTH | CHAMBER SPACING | CENTER TO CENTER LENGTH | CHAMBER HEIGHT | MAX END CAP CONNECTION
--- | --- | --- | --- | ---
S29 | 59" (1499mm) | 6.0" (150mm) | 66.5" (1690mm) | 36" (914mm) | 32" (813mm)
S22 | 55" (1397mm) | 6.0" (150mm) | 61.0" (1549mm) | 35" (889mm) | 30" (762mm)
C10 | 39.7" (1008mm) | 6.0" (150mm) | 45.7" (1161mm) | 25" (635mm) | 20" (508mm)
M6 | 33.5" (853mm) | 6.0" (150mm) | 39.6" (1006mm) | 17.5" (445mm) | 14" (356mm)

*7.5" (190mm) SPACING OF DISTRIBUTION ROWS IS REQUIRED ONLY WHEN A PERPENDICULAR MAIN HEADER ROW IS USED. IF AN INCLINE MAIN HEADER ROW IS USED, THEN MIN SPACING CAN BE 6" (150mm)

CONCEPTUAL PLAN DISCLAIMER

THIS GENERIC DETAIL DOES NOT ENCOMPASS THE SIZING, FIT, AND
APPLICABILITY OF THE TRITON CHAMBER SYSTEM FOR THIS SPECIFIC
PROJECT. IT IS THE ULTIMATE RESPONSIBILITY OF THE DESIGN ENGINEER
TO ASSURE THAT THE STORMWATER SYSTEM DESIGN IS IN FULL
COMPLIANCE WITH ALL APPLICABLE LAWS AND REGULATIONS. TRITON
PRODUCTS MUST BE DESIGNED AND INSTALLED IN ACCORDANCE WITH
TRITON'S MINIMUM REQUIREMENTS. TRITON STORMWATER
SOLUTIONS DOES NOT APPROVE PLANS, SIZING, OR SYSTEM DESIGNS.
THE DESIGN ENGINEER IS RESPONSIBLE FOR ALL DESIGN DECISIONS.

CHAMBER CROSS SECTION

INfiltration

TRITON - STANDARD DETAILS

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