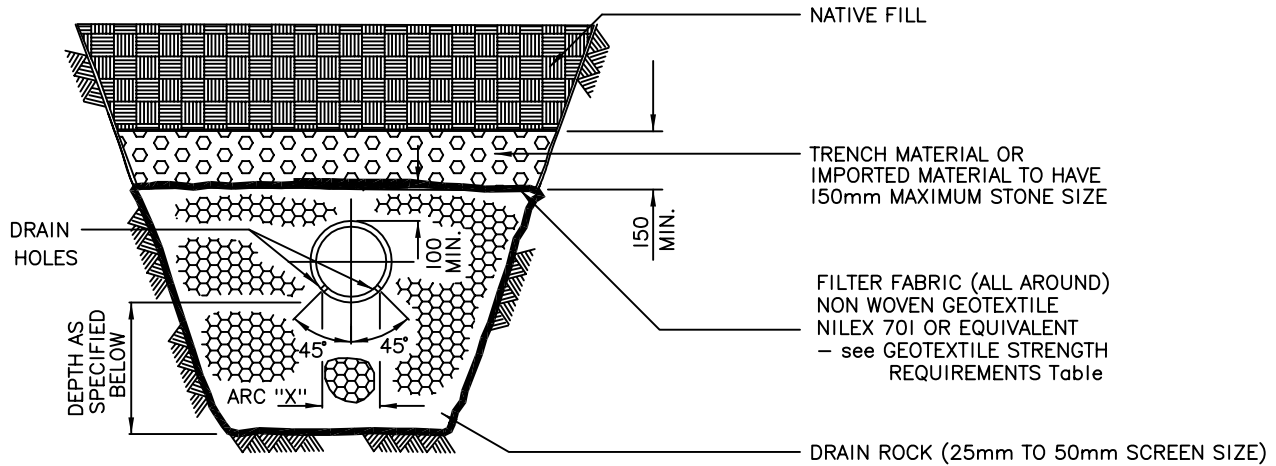
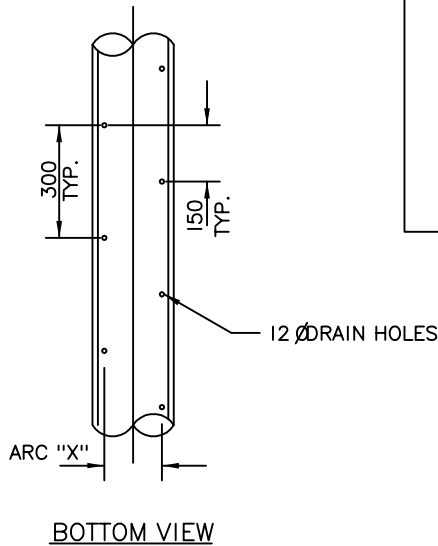


STANDARD DETAIL DRAWINGS



END VIEW



BOTTOM VIEW

GEOTEXTILE STRENGTH REQUIREMENTS

STRENGTH TYPE	TEST METHOD	UNITS	CLASS 1	CLASS 2
Grab Tensile	ASTM D4632	N	800	360
Puncture	ASTM D4833	N	370	200
Burst	ASTM D3786	kPa	1950	1030
Trapezoidal	ASTM D4533	N	260	130

- 1 Class 1: Geotextile installation where very coarse shape angular aggregate is used
 Compaction >95% Standard Proctor Maximum Dry Density (SPMDD)
 Depth of trench > 3.0
- 2 Class 2: Geotextile installation on smooth graded surfaces having no sharp angular aggregate.
 Compaction < 95% SPMDD

NOMINAL PIPE DIAMETER	ARC "X" (BASED UPON AVERAGE O.D.)
200	160
250	200
300	240
375	290
450	350

NOTES:

- PERFORATION SECTION APPLIES TO USE OF PVC PIPE.
- FIELD PERFORATION OF PIPE SHALL BE TO THIS STANDARD. FACTORY PERFORATED PIPE MUST BE APPROVED BY THE CITY ENGINEER.
- PROVIDE 0.5m MIN. FABRIC OVERLAP FOR LONGITUDINAL OR TRANSVERSE JOINTS IN FABRIC.
- NUMBER OF DRYWELLS AND DEPTH OF DRAIN ROCK TO BE AS FOLLOWS:
 - FOR PERCOLATION RATE OF 0-15 MIN. PER 25mm
 - USE 5 PER HA.
 - USE 200mm DEPTH OF DRAIN ROCK UNDER PERF. PIPE
 - FOR PERCOLATION RATE OF 15-30 MIN. PER 25mm
 - USE 10 DRYWELLS PER HA.
 - USE 300mm DEPTH OF DRAIN ROCK UNDER PERF. PIPE
 - FOR PERCOLATION RATE OVER 30 MIN. PER 25mm, PERF. PIPE & DRYWELLS ARE NOT RECOMMENDED.

FEB. 12/2010

PIPE PERFORATION AND BEDDING DETAIL
FOR GROUND WATER RECHARGE

SS-S53