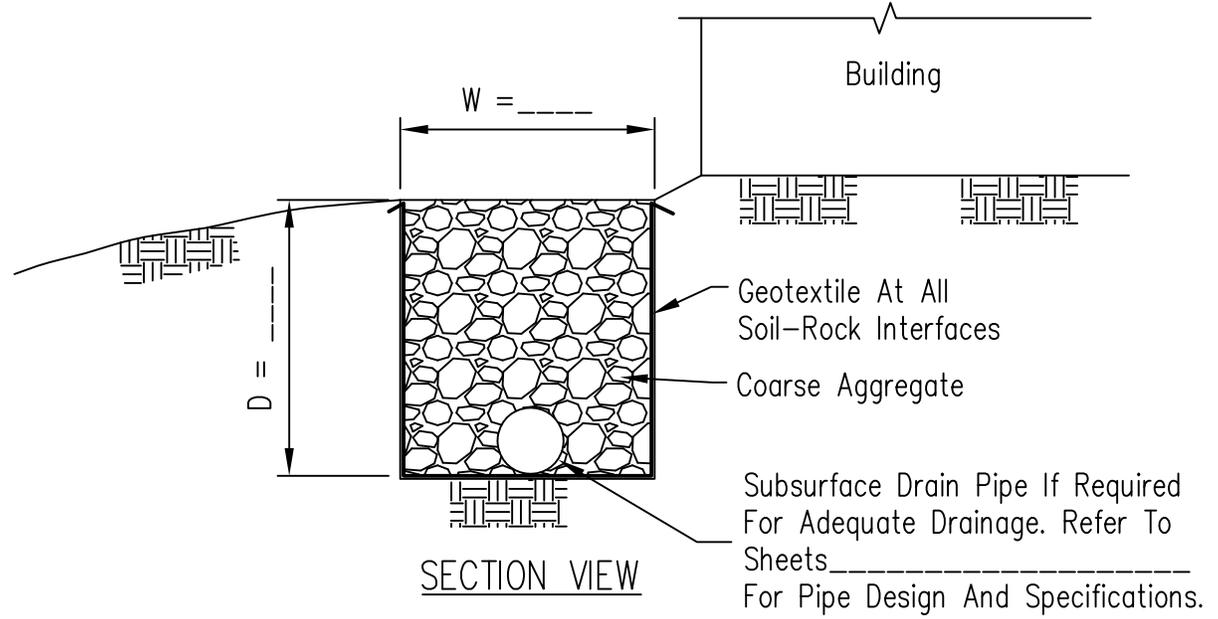


PLAN VIEW



SECTION VIEW

Notes:

1. Coarse aggregates shall meet one of the following IDOT gradations: CA-1, or CA-3.
2. Infiltration trench shall provide adequate storage for the design storm.
3. The volume of runoff water temporarily stored in the trench is approximately 40% of the total volume of the infiltration trench including aggregate.
4. Subsurface drain pipe required unless adequate soil permeability can be verified.
5. Geotextile (non-woven, needle punched) min. criteria:

Grab Tensile strength (lb) ASTM D 4632	202
Elongation at failure (%) ASTM D 4632	≥50
Trapezoidal tear strength (lb) ASTM D 4533	79
Puncture strength (lb) ASTM D 6241	433
Ultraviolet light (% retained strength) ASTM 4355	min 50
Apparent opening size (AOS) ASTM D 4751	max 0.22 mm (US sieve size 70)
Permittivity sec^{-1} ASTM D 4491	min 0.7
6. Geotextile splices shall overlap 18 inch minimum.

Designed _____ Date _____
 Drawn M.Quinones 4/1/15
 Checked _____
 Approved _____



INFILTRATION TRENCH

IL-ENG-93
 Drawing No.
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