# PIPE UNDERDRAIN, 4” (100 mm)

Eff. 09-01-2006 Rev. 01-01-2014

This work shall be done according to Section 601 of the Standard Specifications with the following exceptions:

Perforated Corrugated Polyethylene (PE) Pipe or Tubing consisting of a minimum 50% recycled resin may be used provided it meets the applicable article(s) of Section 1040,

FM 4 or FM 4 Special meeting the following gradations shall be used for backfilling the underdrain trench:

Percent Passing

Sieve Size FM 4 FM 4 Special

3/8” (9.5 mm) 100 100

No. 4 (4.75 mm) 97 +/- 3

No. 8 (2.36 mm) 5 +/- 5

No. 10 (2 mm) 10+/-10

No. 16 (1.18 mm) 5 +/- 5 2 +/- 2

No. 200 (75 mm) 1+/- 1 1 +/- 1

Only natural sands and gravel shall be used. A pipe slot of 1.75 mm +/- 0.25 mm shall be used. The number of slots and the slot length may be manipulated to maintain the inlet flow specified in AASHTO M 252-96 as long as it does not compromise any other requirements specified in AASHTO M 252-96. No fabric envelope for the pipe underdrain or the trench shall be used. The District may conduct a number of Ploog tests, using this pipe with random samples of the backfill material. The loss of fines through the pipe slot in the Ploog tests shall not exceed 4%.