

1.0 GENERAL

1.1 Scope

1.1.1 The work shall consist of installing perforated drainage pipe to the lines, grades, and cross-sections shown in the plans or as directed by the Engineer.

1.2 Related Sections

1.2.4 Section 02210 – Sub-drainage Sand

2.0 PRODUCTS

➤ Use only those products in the approved products list

- RP – 01: Perforated Drainage Pipe

2.1 Perforated Drainage Pipe

2.1.1 Unless otherwise specified or indicated on the drawings, shall be 100 mm diameter, high density polyethylene (ASTM D3350 Cell Class 424420C), perforated and corrugated, soil tight joints. Pipe shall be enclosed in a filter fabric.

2.1.2 Perforated drainage pipe shall conform to ASTM F667.

2.1.3 Minimum pipe stiffness 300 kPa.

2.2 Granular Material

2.2.1 Shall conform to Section 2210 Sub-drainage Sand.

3.0 EXECUTION

3.1 Construction

3.1.1 The pipe shall be placed in a surrounding of sub-drainage layer in a 150 mm deep trench excavated prior to the placement of the sub-drainage layer lift. All couplings or fittings shall be enclosed in filter fabric.

3.1.2 Pipe shall be joined with coupling bands covering at least two full corrugations on each end of the pipe.

3.1.3 The drainage pipe shall be covered with sub-drainage layer prior to the placement of sub-base.

3.1.4 Where the drainage pipe is connected to catch basins the end of the pipe shall not extend more than 150 mm into the barrel of the catch basin and shall be securely mortared in place.

3.1.5 All tears and rips shall be repaired and approved by the Engineer.

3.1.6 Capped clean-outs shall be provided where access to the perforated drainage pipe is not readily available in a catch basin or manhole.