

## 1.0 GENERAL

### 1.1 Related Work

1.1.1 Section 02210 - Site Grading – Rough

### 1.2 Samples

1.2.1 Submit samples in accordance with Section 01300 – Shop Drawings, Product, Data and Samples.

1.2.2 Submit full size sample of each type paving unit.

### 1.3 Measurement

1.3.1 Unit paving will be measured in square metres installed.

## 2.0 PRODUCTS

### 2.1 Materials

2.1.1 Unit pavers: uniform in material, colour, size and from one manufacturer. Acceptable product: Name of manufacturer and name of paver.

2.1.2 Precast concrete paver: to CAN3-A231.2-M85, Plain face  
Colour: Name of colour.

2.1.3 Crushed stone or gravel: hard, durable, angular particles, free from clay lumps, cementation, organic material, frozen material and other deleterious materials.

.1 Gradations: within limits specified when tested to ASTM C136-84a and ASTM C117-84.

ASTM SIEVE DESIGNATION	PERCENT PASSING
19 mm	100
12.5 mm	70 - 100
4.75 mm	40 - 70
2.00 mm	23 - 50
0.425 mm	7 - 25
0.075 mm	3 - 8

2.1.4 Sand: to CSA A82.56-M1976, hard, durable, angular particles, free from clay lumps, cementation, organic material, frozen material and other deleterious materials.

2.1.5 Edging: As indicated on drawings.

## 3.0 EXECUTION

### 3.1 Samples

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- 3.1.1 Submit sample installation details, and product data in accordance with Section 01300.
  - 3.2 Subgrade
    - 3.2.1 Ensure that subgrade preparation conforms to levels required to allow for installation of granular base.
  - 3.3 Granular Base
    - 3.3.1 Sub-base minimum thickness: 200 mm
    - 3.3.2 Spread and compact crushed stone or gravel in uniform layers not exceeding 100 mm compacted thickness.
    - 3.3.3 Compact to a density of not less than 98% maximum dry density in accordance with ASTM D698-78.
    - 3.3.4 Shape and roll alternately to obtain a smooth, even and uniformly compacted granular base and ensure conformity of grades with finish surface.
    - 3.3.5 Apply water as necessary during compaction to obtain specified density. If granular base is excessively moist, aerate by scarifying with suitable equipment until moisture content is corrected.
    - 3.3.6 In areas not accessible to rolling equipment, compact to specified density with approved mechanical tampers.
    - 3.3.7 Ensure top of granular base does not exceed plus or minus 10 mm of finished grade less combined thickness of granular laying course plus surface course.
  - 3.4 Edging
    - 3.4.1 Install edging true to grade, in location, layout and pattern as indicated.
  - 3.5 Granular Laying Course
    - 3.5.1 Place crusher dust to a 15 mm uniform thickness.
  - 3.6 Surface
    - 3.6.1 Ensure granular laying course is dry (4-8% moisture content) prior to placement of unit pavers.
    - 3.6.2 Install unit paving true to grade, in location, layout and pattern as indicated.
    - 3.6.3 Where required, cut units accurately without damaging edges.
    - 3.6.4 Precast concrete pavers and interlocking precast concrete pavers.
      - .1 Install as per manufacturers recommendations.
      - .2 Install pavers with butt joints.

- .3 Tamp down and level pavers with mechanical plate vibrator on minimum 19 mm thick plywood until pavers are true to grade and free of movement.
- .4 Fill spaces between pavers by sweeping in crusher dust.
- .5 Pass mechanical plate vibrator on sand cushion over surface course to achieve compaction of sand in joints.
- .6 Sweep surface course clean.