

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 partial sample of each type paving unit.

1.3 Measurement

1.3.1 Unit paving will be measured in square metres installed/units installed.

2.0 PRODUCTS

2.1 Materials

2.1.1 Concrete Block Pavers: Precast, uniform in material, colour, size and from one manufacturer. Acceptable product: Cindercrete #201 patio slabs 24" x 24" x 2" and 24" x 30" x 2" size as indicated on plan.

2.1.2 Precast concrete paver: surface plain.
Colour: Natural

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-M 1976, 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: 50 mm
 - 3.3.2 Spread and compact crushed stone or gravel in uniform layers not exceeding 50 mm compacted thickness.
 - 3.3.3 Compact to a density of not less than 98% maximum dry density in accordance with ASTM D 698-78.
 - 3.3.4 Shape and roll alternately to obtain a smooth, even and uniformly compacted granular base and ensure conformity of grades with finished 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 the combined thickness of granular laying course and the surface course.
 - 3.4 Edging
 - 3.4.1 Install edging true to grade, in location, layout and pattern as indicated.
 - 3.5 Surface Course
 - 3.5.1 Ensure granular laying course is dry (4-8% moisture content) prior to placement of unit pavers.
 - 3.5.2 Install precast concrete pavers true to grade, in location, layout and pattern as indicated.
 - 3.5.3 Precast units shall not be cut unless specifically directed by Landscape Architect.
 - 3.5.4 Precast concrete pavers to be:
 - .1 Installed as per manufacturers recommendations.
 - .2 Installed with butt joints.
 - .3 Fill spaces between pavers by sweeping in crusher dust or sand where required.
 - .4 Sweep surface course clean.
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