

1.0 GENERAL**.1 Requirements Include**

- .1 Precast concrete paving units, bedding materials, and associated base materials.
- .2 Edge restraints, sealants, jointing sand.

.2 General

- .1 Unit Paving within the exterior public realm is to be vehicle rated, unless otherwise approved by Campus Development. Pavers must accommodate fire truck loading requirements.
- .2 Unit paving that is located on a roof or structure above grade does not need to be vehicle rated. Where unit pavers are installed as part of a roof deck application then adjustable pedestals are required.

.3 References

- .1 ASTM C936/C936M-15 Standard Specification for Solid Concrete Interlocking Paving Units.

2.0 GENERAL PERFORMANCE REQUIREMENTS**.1 Performance Standards**

- .1 Vehicle Rated Unit Pavers: selected unit pavers are minimum 100mm thickness and manufactured to carry vehicle loads.
- .2 Gaps between pavers must be sized for universal accessibility of wheelchairs, walkers, bicycles, strollers, and heel use across BCIT campus in all applications involving unit pavers.
- .3 Non-accepted paver types: Open grid concrete precast pavers or systems with rubber-based integration of grass or gravels between pavers for storm water management are not acceptable materials for BCIT campus.
- .4 Where the paving type and pattern is not defined within the Campus Design Guidelines, then unit paver colours, sizes and patterns are to be integrated and complimentary with adjacent building walkways and plaza spaces containing existing pavers.

3.0 ADMINISTRATIVE and SUBMITTAL REQUIREMENTS**.1 BCIT Submittals and Notifications**

- .1 Provide submittal of specified paver colour, size and pattern prior to mock-up. Include photographs of adjacent landscapes if they include unit pavers.

.2 Quality Assurance

Consultants are to provide complete specifications, and review these Technical Standards documents to include BCIT requirements within the specifications as applicable to the project.

- .1 Products and Installation to meet the technical requirements of the Interlocking Concrete Pavement Institute.
- .2 Mock-ups: 4m x 4m mock-up of each paver installation to be provided for review 1 month prior to commencing full installation. Provide a 4m x 4m site mock-up of setting, cutting, and edging works to demonstrate understanding of paver pattern and finish expectations. Landscape Architect to observe mock-up prior to commencing full installation. Obtain approval of BCIT and Landscape Architect prior to proceeding with actual installation. Test panel to remain for duration of construction to serve as reference/standard of acceptable installation against which the work will be judged.

4.0 PRODUCTS

.1 Pavers

- .1 The pre-approved exterior public realm standard unit paver is Belgrade Expocrete VS5 product line. Refer to the Campus Design Guidelines for hardscape paving types which describe the required unit paver sizes, colours and patterns.
- .2 The following manufacturers are also acceptable:
 - .1 Abbotsford Concrete Products.
 - .2 Barkman Paver Products.
 - .3 Expocrete Paver Products Mutual Materials.
 - .4 Holland Pavers.
 - .5 Or approved alternative.

***** END OF UNIT PAVING SECTION *****