

1.0 **MATERIALS AND DESIGN REQUIREMENTS**

1.1 **General Requirements**

- .1 All expanses of paving associated with all Public Realm spaces must be detailed to accommodate maximum anticipated vehicular loading. Vehicles and heavy equipment such as snorkel lifts required intermittently to service buildings, large trees, or respond to emergencies, must be accommodated without damage to surfacing due to loading.
- .2 Any utility upgrades or other projects that disturb and damage existing paving shall reinstate paving to original condition in compliance with relevant guidelines.
- .3 Where manholes, catch basins and service covers occur within expanses of unit paving, concrete surrounds should be considered as and additional detail to minimize uneven settling of adjacent paving – especially where increased vehicular loading is anticipated.

1.2 **Unit Pavers**

- .1 Public Realm unit paving should be installed such that:
 - .1 No end paving unit to be smaller than 8" x 8".
 - .2 A complete bonded installation of paving units at the ends and/or edges of paving each course is achieved.
 - .3 A minimum overlap of paving units is specified thus avoiding the incidence of running straight joints or near straight joints.
 - .4 Groupings of similar sized paving units are avoided (e.g. linear runs of 100 mm units would be unacceptable.)
 - .5 Sharp-angled cuts are to be avoided.
- .2 All edges of unit paving associated with all Public Realm spaces with anticipated vehicular access, must be detailed with contiguous, robust edge support loading without incurring acute or long term collapse and failure. Example would be reinforced concrete banding.
- .3 Polymeric jointing sand is recommended in preference to standard jointing sand to increase paving integrity and longevity, and to inhibit weed growth.

END OF SECTION