

1.0 **DESIGN REQUIREMENTS**

- 1.1 All Division 32 Technical Guidelines are intended to be read by design consultants and their content integrated into construction drawings and specifications.
- 1.2 All landscape work must conform to requirements and specifications in the current editions of the Canadian Landscape Standard and Master Municipal Construction Documents (MMCD) unless otherwise specified in the contents of UBC's Technical Guidelines.
- 1.3 Landscape work must reference all relevant sections of the Technical Guidelines.
- 1.4 Landscapes must be designed to recognize the limited maintenance resources available to maintain the campus landscape in an institutional context.
- 1.5 Place trees at distances from building that when mature, do not provide a route for squirrels and racoons to access buildings.
- 1.6 Provide a 12" (30cm) gravel/drain rock strip at the base of buildings where planting or lawn areas are adjacent to buildings. Separate aggregate border from planting or lawn area with aluminum edge restraint.
- 1.7 All landscape, area and exterior lighting designs shall be reviewed by UBC Building Operations Electrical Support before Tender Drawings are complete.
- 1.8 All planters and planting areas above ground level must be easily accessible to gardeners, have an available water source, and allow for the safe and easy delivery and removal of organic matter and other debris.

Planters or planting areas raised 3m (10') or more from adjacent finished grade must have built in fall arrest anchors.
- 1.9 Both soft and hard landscapes must be designed to accommodate the loading and movement of heavy equipment in and around buildings for window washing and cladding repair.
 - .1 Movement of a 'manlift' around the building for window washing must be coordinated with the Project Architect, UBC Custodial Services, and/or Municipal Services as appropriate.
 - .2 Contractors must take precautions to protect all surfaces, structures, landscapes, utilities, etc. adjacent to and/or subject to impact from the work being performed.
 - .3 Contractors must provide protection to buildings, trees, lawns, walkways, pathway lights, streets, roads, underground irrigation systems, services, etc. from loss or damage resulting from the work. The Contractor will be responsible for the repair (or costs of repairs) to any damage caused as a result of the work performed by them.
 - .4 Coordinate as early as possible in the conceptual and design development phases with relevant UBC Facilities staff.
- 1.10 All level crosswalks, curb ramps at roads, driveways, tops of steps, and pedestrian ramps to include cast in place tactile warning tiles. 60cm long x width of crosswalk or walking surface of ramp or steps. [See UBC Campus Plan Design Guidelines.](#)

- 1.11 No new water features that are recirculating, depend on mechanical equipment to operate, or require potable water to operate are permitted to be built. Passive rainwater management features are permitted.
- 1.12 Any damage to existing hard and softscape outside the Limit of Work of a project must be restored to pre-existing condition or better if the damage was caused by project construction.
- 1.13 It is recommended that Project Managers request acceptance of new landscapes by Municipal Services during the growing season. Projects not achieving Final Completion of all deficiencies before November 15th should be maintained by the Contractor until May 15th the following year in order to avoid adverse seasonal conditions not conducive to the establishment of the landscape.

*****END OF SECTION*****