INSTALLATION DETAILS FOR GD Grass 60-40 (Commercial Grade)

GD Grass - Honeycomb Grass Stabilizer Panels:

Panels shall be ± 45" x ± 39" x 1 3/5" (1.15 m x 1.0 m x 40 mm) (MEDIUM) (JUMBO panels also available = 2X medium panel size) heavy duty black injection-molded polypropylene panel having a factory applied geotextile fabric fused to the bottom such as 60-40 as manufactured by Green Driveway, 2750 Cumberland Road, Courtenay, BC, Canada V9N 9P1 and shall be capable of supporting wheelchairs and all car and heavy truck traffic. Compressive strength is tested under ASTM D 1621-04a and shall be 1016 kg/0.0175 m^2. Loading capacity shall be > 300 tons/m^2, > 380 psi, when filled with grass over the specified base.

GD GRASS HONEYCOMB CELL INFILL MATERIALS

Specifier Notes:

A. For a permeable system, fill cells with Structural Soil as per recipe offered by Green Driveway. Structural Soil can be created from locally sourced materials.

B. Infill sizes with Structural Soil and compact with lawn roller and apply water. Reapply Structural Soil to 10 mm over top of grid and compact. You should not be able to see the grid.

C. Apply grass seed or hydroseed to previously leveled and compacted soil in grids. If laying sod over top of grid, ensure that roots are fully established (and protected) in grids cells prior to use (see Note D).

D. Allow 4-6 weeks for grass seed and sod to fully establish prior to vehicular or pedestrian use.

E. Vehicular passes per day not limited when using grass seed. When using sod, vehicle passes limited to 5 per day.

EXECUTION

EXAMINATION

A. Evaluate site conditions. Notify the Engineer and refrain from excavation until site conditions have been corrected.

B. Evaluate that the layout of the project is as indicated on the drawings. Notify the Engineer and do not proceed until the layout of the project matches the drawings.

A. Subgrade Preparation:

1. Excavate and shape foundation soils to grades, elevations, and dimensions as indicated

on the drawings. Be sure water will flow away from any structures. Install moisture barrier if projects meets a foundation with a basement.

2. Confirm foundation soil meets specified compaction through proof rolling or other conventional method and is examined by the Engineer. If unacceptable foundation soils are encountered, excavate affected areas and replace these areas with suitable quality material as directed by the Engineer. For subgrade soil compaction a vibratory plate, compactor, or roller is recommended.

B. Base Preparation:

1. For subgrade or base preparation, level and clear the area of large objects such as rocks, or pieces of wood. Excavate area allowing for unit thickness and top layer. Leave 50 mm (2.0 inches) for GD grass® 60-40 (40 mm) and top layer (10 mm) to meet final grade.

2. Examine Horticultural subsoil at the XXXX to verify suitable compaction, elevation, drainage, and/or improper gradients before commencing work. This subsoil layer must be a minimum 2-2.75" in depth for grass root growth below the grid surface. A 60/40 ratio of sand/soil is recommended. Discrepancies from detailed or specified conditions shall be reported to the Landscape Architect and the Owner's Representative so as to not delay work.

3. Installation constitutes acceptance by the Contractor of existing conditions and assuming responsibility for satisfactory performance of the system.

4. Place the panels. Position the panels on the prepared subgrade. Cut to shape with aviation shears or skill saw with fine-toothed blade. Use protective gloves to avoid abrasions. Top of hexagon cell panels should be 1 cm (10 mm) below adjacent hard surfaced pavements or final grade.

5. All hard surfaces abutting areas to receive Grass Surfacing shall be in place prior to commencing work. Finished soil work shall be no more or no less than 1/2" below adjacent hard surfaces. Adjust soil levels accordingly so that this will be possible.

6. Place first row of panels against a stationary edge if possible. The panels have interlocking connectors; however some installations do not require them to be used. Use connectors only in areas with greater traffic or steeper grades. No anchors are needed for grass stabilizer panels under a 20 degree slope.

7. Fill cells with chosen infill. Cell walls must be sufficiently covered with infill to prevent any equipment or load bearing vehicular traffic from damaging the grid.

8. Compact infill as per Landscape Architect or Project Engineer specifications.

9. Contour compacted surface to specified elevation and grade as indicated on the drawings.

10. Install edge restraint if desired. Standard metal, plastic, concrete edge restraints or concrete curbing may be used.

Post-Placement

A. Snow plowing – Use shovels or blades with plastic blades.

B. Use of salt for de-icing is allowed.