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TURF STONE SPECIFICATION SHEET

SECTION 2518 TURF STONE GRID PAVEMENT

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Turf Stone units.
- B. Sand setting bed and cavity fill.

1.2 RELATED SECTIONS

- A. Section (_____) Curbs and drains.
- B. Section(_____) Base.
- C. Section(_____) Grass seeding and installation of top soil in turf paving stones.

1.2 SUBMITTALS

- A. Submit shop or project drawings and product data.
- B. Submit samples of turf stone units.
- C. Submit samples of bedding sand and cavity soil.

PART 2 PRODUCTS

2.1 MANUFACTURED UNITS

- A. Turf stone to be in accordance with the patterns as shown on plans where designated
- B. Turf stone shall conform to the following specifications:
 - 1. Concrete shall have a minimum compressive strength of 4000 PSI in accordance with testing procedures ASTM C-140.
 - 2. Materials used to manufacture Turf paving stones shall conform to the following:
 - a. Cement.....ASTM C-150 (Portland Cement)
 - b. Aggregates.....ASTM C-33 (washed, graded sand and rock).

2.2 BEDDING SAND

- A. Sand laying course should be a concrete sand
 - 1. Thickness of sand laying course should be uniform to insure an even surface. The designed thickness should be 1 inch
 - 2. The sand laying course should be the responsibility of the turf paving stone installers

2.3 CAVITY SOIL

- A. Cavity soil shall be a clean sandy loam

PART 3 EXECUTION

3.1 EXAMINATION

- A. Verify that base is dry and ready to support sand, turf stone and imposed load
- B. Verify that gradients and elevations of base are correct
- C. Verify edge restraint per plans

3.2 INSTALLATION

- A. Spread sand evenly over base course and screed to 1" thick. The screeded sand shall not be disturbed. Do not spread more sand than be used in one day.
- B. Lay turf stone as shown on the drawings. Maintain straight pattern lines.
- C. Joints between turf stone shall be 1/8" to 1/4"
- D. Cut or brake turf stone to fit against edge restraint, curbs or other obstacles
- E. Paving work shall be plumb, level and true to line and grade; shall be installed to properly coincide and align with adjacent work and elevations. All edges must be retained to secure the perimeter stones and sand laying course.
- F. Compact the stone into the sand with a low amplitude, high plate vibrator or a roller
- G. Cavities of turf paving stones shall be completely filled with designated top soil, seeded and maintained as per specifications
- H. No traffic should be allowed on the turf stone until the effects of the grass and moisture has stabilized the top soil in the cavities