

## **CONSTRUCTION SPECIFICATION**

### **GRAVEL PARKING SURFACING**

#### **I. DESCRIPTION**

The work shall consist of furnishing, transporting, and placing mineral aggregates for parking surfaces. The work includes placement, fine grading, and compaction for graded aggregate base parking areas.

#### **II. MATERIALS**

- A. Aggregate shall conform to the applicable requirements of the Georgia Department of Transportation (GDOT) standards for graded aggregate base material. The aggregate material shall be free from organic matter and other deleterious substances. Test data and other certification information for the aggregate shall be furnished to the City prior to the use of the material.
- B. Non-woven, needle punched geotextile fabric shall conform to the applicable requirements of GDOT standards for sub-base materials.

#### **III. QUALITY ASSURANCE**

- A. Use only materials which are furnished by a bulk aggregate producer regularly engaged in production of graded aggregate base material.
- B. Comply with applicable requirements of GDOT, Standard Specifications for Construction of Roads and Bridges.

#### **IV. SUBMITTALS**

Provide certificates stating that materials supplied comply with the City's specifications. Certificates shall be signed by the producer and contractor.

#### **V. CONSTRUCTION METHODS**

##### **A. Base Preparation**

The area to be surface shall be compacted in accordance with GDOT standards for subgrade preparation. The surface shall be inspected and approved by the City's Inspector before any aggregate surfacing material is placed.

##### **B. Placement**

1. On the prepared subgrade, a non-woven, needled punch geotextile fabric shall be installed across the proposed parking area. At the edges of the proposed parking area, the geotextile fabric shall be trenched or tucked into the subgrade.
2. The aggregate shall be deposited, spread, processed, and compacted on the prepared geotextile fabric to the required

thickness as specified in this specification. In the event segregation occurs, the material shall be bladed until the various sizes of aggregate are uniformly and satisfactorily blended. After being spread, the material shall be watered, mixed, shaped to the required section, and compacted. The completed course shall be smooth, true to grade and cross-section, and free from ruts, humps, depressions, and irregularities.

C. Construction of Courses

1. Completed course total thickness of 6-inches.
2. Lightly blade and roll surface until thoroughly compacted.
3. Blade and broom surface to maintain true line, grade, and cross-section.

D. Rolling and Compaction

1. Aggregate material shall be compacted with GDOT approved compaction equipment.
2. Commence rolling at outer edges toward the center of proposed parking area.

E. Field Quality Control

A minimum of one field density test shall be provided to the City verifying compaction requirements are achieved in accordance with GDOT standards.