

**SECTION 32 15 50**  
**GRAVEL ROADWAYS AND DRIVEWAYS**  
Last Updated: March 3, 2014

**Part 1      GENERAL**

**1.1      SECTION INCLUDES**

- A.      General requirements regarding gravel roadways and driveways on DISTRICT lands or interest in lands.
- B.      Drawing referenced as Figure 1.

**1.2      PURPOSE**

- A.      Except for DISTRICT purposes, no new, private, primary or sole access hard-surface roadways or driveways are allowed within Aqueduct Corridors. Any new private roadway or driveway allowed shall be a secondary access and shall be limited to dirt or gravel.
- B.      Gravel roadways and driveways shall consist of subgrade, base course, and top course.

**Part 2      PRODUCTS**

**2.1      SUBGRADE MATERIAL**

- A.      Imported or native material may be used. Subgrade shall be clean, fine earth, rock or sand.
- B.      Material shall be free from: oversized cobbles, rock fragments, sod, rubbish, top soil, grass, roots, brush, or other organic or deleterious materials.

**2.2      BASE COURSE MATERIAL**

- A.      3/4 inch compaction or proof maximum untreated base course meeting the requirements of Utah's APWA Standard Specification Section 32 11 23 "Crushed Aggregate Base" Grade ¾, Paragraph 2.1, Table 3.

**2.3      TOP COURSE MATERIAL**

- A.      3/4 inch minus uniform gravel or crushed rock.

**Part 3      EXECUTION**

**3.1      SUBGRADE PREPARATION**

- A.      Keep subgrade free of water, debris, and foreign matter during compaction or proof-rolling.
- B.      Bring subgrade to proper grade and cross-section and uniformly compact surface.
- C.      Protect subgrade from traffic.
- D.      Do not place base course or top course in snow or on soft, muddy, or frozen subgrade.

### 3.2 CONSTRUCTION OF COURSES

- A. Base Course
  - 1. Completed course total thickness: 4-inches.
  - 2. Lightly blade and roll surface until thoroughly compacted.
  - 3. Blade or broom surface to maintain true line, grade, and cross - section.
- B. Top Course
  - 1. Completed course total thickness:2-inches.
  - 2. Blade lightly and roll surface until material is thoroughly compacted.
  - 3. Crown top course as per Figure 1.

### 3.3 ROLLING AND COMPACTION

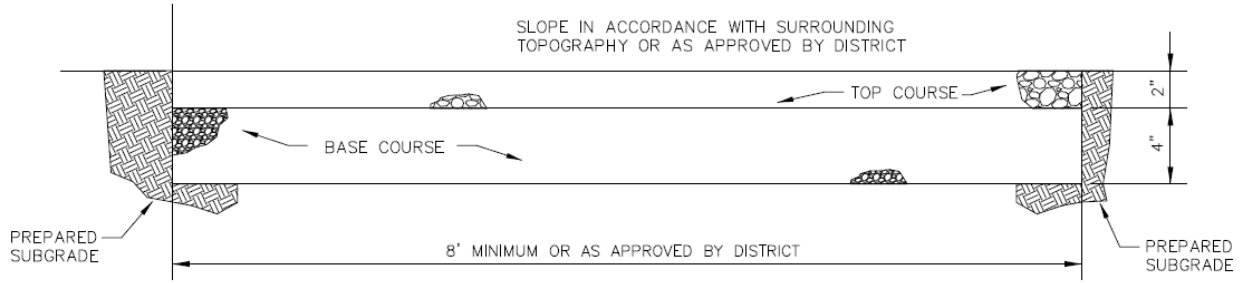
- A. Subgrade material shall be thoroughly compacted using District approved compaction equipment.
- B. Base course material shall be compacted to a density of 95 percent of maximum density.
- C. Top course shall be thoroughly compacted.
- D. Commence rolling at outer edges and continue toward center; do not roll center of road first.
- E. Apply water as needed to obtain specified compaction requirements.
- F. Surface Defects: Remedy by loosening and rerolling. Reroll entire area, including surrounding surface, until thoroughly compacted.
- G. Finished surface shall be true to grade and crown.

### 3.4 FIELD QUALITY CONTROL

- A. At LICENSEE's or CONTRACTOR's expense, LICENSEE or CONTRACTOR shall be required to provide a minimum of one In-Place density test for the base course material.
- B. Testing shall be performed by a licensed third party testing company.
  - 1. DISTRICT personnel shall be present during all tests.
  - 2. Verbal reports shall be provided once the test is complete.
  - 3. Written results of the test shall be provided within 3 business days.
- C. DISTRICT personnel must be present during compaction of the subgrade, base course and top course.
- D. DISTRICT must be given 48-hours notice prior to inspections of any kind.

### 3.5 CLEANING

- A. Remove excess material from the Work area. Clean stockpile and staging areas of all excess aggregate.



GRAVEL ROAD OR DRIVEWAY DETAIL  
FIGURE 1