

**SECTION 02140****ADJUSTING EXISTING UTILITIES TO FINISHED GRADE****02140.01 GENERAL****A. Description**

Adjusting existing utilities to finished grade shall include, but not necessarily be limited to, the vertical adjustment of existing storm drain inlets and manholes, sanitary sewer manholes and cleanouts, water valve vaults, roadway boxes, and meter vaults to conform to the finished grade in accordance with the Contract Documents or as directed by the Engineer.

**B. Related Work Included Elsewhere**

1. Storm drainage structures; Section 02530.
2. Water valves and appurtenances; Section 02552.
3. Sanitary sewer manholes; Section 02562.
4. Patching pavement; Section 02680.

**C. Quality Assurance**

The Engineer will inspect all materials and work to ensure compliance with the Contract Documents.

**D. Submittals**

None.

**02140.02 MATERIALS****A. Materials Furnished by the County**

The County will not furnish any materials for adjusting existing utilities to finished grade.

**B. Contractor's Options**

Not applicable.

**C. Detailed Material Requirements**

1. Precast concrete grade rings shall be as specified in Section 03400.02.
2. Mortar for brickwork shall be as specified in Section 04100.02.

3. Brick for utility adjustments shall be sewer brick as specified in Section 04200.02.
4. Cast metal grade rings shall be as specified in Section 05500.02.

### **02140.03 EXECUTION**

#### **A. General**

1. All material designated for salvage shall be carefully removed, cleaned, and stockpiled in areas where such materials or units will not be damaged. All material unfit for reuse in the work shall be stockpiled, to be reclaimed by the County if desired. The Engineer may, prior to such stockpiling, declare the material unfit for further use and order its disposal. The condemned material shall be disposed of at permitted disposal facilities or other locations approved by the Engineer.
2. All items which are to be included in the completed work shall be finished in a condition approximating the original condition. This shall include refinishing and any necessary cleaning directed by the Engineer.

#### **B. Adjusting Facilities**

1. Existing facilities to be adjusted to a new grade shall have the casting carefully removed before commencement of paving. The adjustments shall then be made with material similar to that used in the original construction or salvaged materials as approved by the Engineer.
2. Sanitary sewer manholes shall be adjusted as specified in Section 02565.03.
3. Existing storm drain manholes shall be adjusted to resurfacing paving grades using cast metal manhole grade adjustment rings before placement of final course of permanent resurfacing paving.

#### **C. Protection of Castings**

Adjusted utilities located in an area where new asphalt pavement or resurfacing material is to be placed shall be protected immediately prior to placement of pavement. Protection shall consist of brush coating all exposed surfaces with oil or other approved methods. The Contractor shall clean all paving material off of castings.

### **02140.04 METHOD OF MEASUREMENT**

Measurement for adjusting utility appurtenances to meet finished grade will be made on the basis of the count or number of existing utility appurtenances, regardless of the type of appurtenance up to a depth of 1 foot. Adjustments greater than 1 foot shall be measured in linear feet of extra vertical depth of adjustment.

**02140.05 BASIS OF PAYMENT**

Payment for adjusting existing utilities to finished grade will be made at the price bid per each appurtenance adjusted, regardless of the type of appurtenance. The price bid shall include all excavation, backfill, compaction, equipment, labor, tools, material, and all other incidentals, as specified in Section 02250.05, necessary to satisfactorily complete the work. An additional payment will be made for vertical depth in excess of 1 foot, per linear foot of each size and type of utility adjusted.

END OF SECTION