

## SECTION 2100 - GRADING AND SITE PREPARATION

### CITY OF BELTON, MISSOURI

### STANDARD SPECIFICATIONS

The City of Belton hereby adopts Section 2100 of the Kansas City Metropolitan Chapter of APWA Construction and Material Specifications, current edition. The following additions, deletions and/or revisions are adopted as a part of Section 2100 for use within the City of Belton.

## SECTION 2102 GRADING

### 2102.2 Definitions

#### 2102.2.B Excavation

Add the following to the definition of Excavation: "... but does not include excavation for pipelines and utilities."

#### 2102.2.C.2 Suitable Material

Add the following subparagraphs:

#### c. Trench Backfill

- i. All backfill between lines one foot behind curbs, or edge of uncurbed pavement, shall be as follows:
  - a. Type A flowable fill for trenches  $\leq$  24 inches wide.
  - b. Type A flowable fill or dense, well-graded aggregate meeting the requirements for KDOT AB-3, MoDOT Type 5 or APWA 2202 in wider trenches.
- ii. Backfill in all other areas shall be suitable material as specified for earth embankment.

d. Bedding Aggregate: Material shall be 1/2 - 3/4 inch clean crushed rock.

#### 2102.2.F Structures

Revise the definition of Structures to read: "Structures as used herein refers to bridges and similar construction."

### 2102.3 Construction Details

Delete the second sentence in Paragraph A. Paragraph A now reads:

“The Contractor shall adhere to any and all statutes regarding the notification of utilities prior to beginning any work within public right-of-way. The relocation and/or protection of any utility that is shown on the plans, that lies within a utility easement and is endangered by this construction shall be the responsibility of the Contractor.”

### **2102.6 Embankment**

Revise paragraph F to read:

“ **Compacting the Embankment:** Before placing any embankment, the surface of the existing ground shall be prepared as heretofore specified, moistened as required, and the top 6 inches (15.24cm) compacted to a density of **95** percent as prescribed by the following paragraph:

All embankment shall be compacted to a density of at least **95** percent of the maximum density for the material used as determined by ASTM D-698 and within a tolerance of minus 3 percent and plus 2 percent of the optimum moisture at maximum density as determined by the Moisture Density Curve obtained.

All work involved in either adding moisture to or removing moisture from embankment materials to within these moisture limits shall be considered incidental to the completion of the grading operation.”

### **2102.7 Finishing**

Revise paragraph A to read:

A. In areas where sodding or seeding is proposed, the upper 12 inches of the surface area shall be earth material free of rocks greater than 1 inch in diameter. The top 6 inches shall be topsoil suitable for sustaining grass or sod.

## **SECTION 2103 MEASUREMENT AND PAYMENT**

### **2103.5 Basis of Payment**

Add the following sentence to the beginning of this section:

“Excavation for pipelines, utilities and all other underground facilities is subsidiary to the pay item for the pipeline, utility or specific underground facility. No separate payment will be made for excavation for any underground facility as defined in Section 2000 – General Conditions.”

**END OF SECTION**

