



**SPECIAL PROVISIONS
FOR
SAFETY RAIL, SET IN GROUND**

**Johnson County
NRT-C052(117)--9G-52**

**Effective Date
April 16, 2019**

THE STANDARD SPECIFICATIONS, SERIES 2015, ARE AMENDED BY THE FOLLOWING MODIFICATIONS AND ADDITIONS. THESE ARE SPECIAL PROVISIONS AND THEY SHALL PREVAIL OVER THOSE PUBLISHED IN THE STANDARD SPECIFICATIONS.

157107.01 DESCRIPTION.

- A. Specification includes furnishing and installation of retaining wall railing.
- B. Submittals.
 - 1. Submit color samples and product literature for retaining wall railing.
 - 2. Submit shop drawings for retaining wall railing.

157107.02 MATERIALS.

- A. For rails and posts, provide 2 1/2 inch by 2 1/2 inch tubular high strength steel with 1/4 inch minimum wall thickness. Comply with ASTM A 500, Grade B.
- B. Black Powder Coated finish.

157107.03 CONSTRUCTION.

- A. **General.**
 - 1. Install railing continuously with no gaps or breaks along the length specified in the contract documents.
 - 2. Use welded connections between railing components. Grind connections to remove sharp or abrasive edges and to remove other irregularities.

B. Safety Rail.

Install the railing a minimum of 4 inches above the finished wall.

C. Posts.

1. Install posts at a maximum spacing of 8 feet.
2. Posts shall be set in concrete footers a minimum depth of 36 inches.
3. PCC shall meet the requirements of Section 2403 of the Standard Specifications.
4. Ensure dirt or other foreign material is not mixed with concrete as it is placed. Forms will not be required if, in the opinion of the Engineer, the earth around the hole is dry and firm enough to permit satisfactory placement. Fill the hole around the post completely with concrete. Neatly finish the concrete to slope up to the post approximately 1 1/2 inches above the ground surface. Protect the concrete from drying by covering with soil or burlap kept wet for 24 hours or by applying white curing compound.
5. Set posts a minimum of 24 hours before fence panels are installed.

157107.04 METHOD OF MEASUREMENT.

No field measurement will be made for Safety Rail, Set in Ground.

157107.05 BASIS OF PAYMENT.

Payment for Safety Rail, Set in Ground, will be on a lineal foot basis. Price includes, but is not limited to, posts, pickets, mounting hardware, concrete for footings, finishing (painted, galvanized, or powder coated) and all other hardware required to install safety rail.