

**Figure 5-397.161**

**Ornamental Metal Railing with Fence (Design T-3 Curb Mount)**

Approved, and signed, November 06, 2013. Last date revised: May 25, 2016

**Revised 05-25-2016**

Throughout the standard:

- Changed the curb height from 10” to 6”.
- Minor drafting change to the size of the break lines.
- Adjusted dimensions in the “Railing Height Table” columns A and B to reflect the curb height change.

At PARTIAL ELEVATION OF ORNAMENTAL METAL RAILING WITH FENCE (DESIGN T-3):

- Modified the detail to require railing cantilevers at both posts adjacent to an expansion joint. This allows adequate room to install a cover plate over the joint in the curb.
- Changed the railing post dimensions to 2’-6” max., 2’-0” min. at the expansion joint location.
- Changed the look of the end rail cantilever to match the scale of the rail cantilevers at the expansion joint.

At Detail “A”: changed the look of the detail to clarify the cantilever ends at the expansion joint location.

At the Anchorage Detail:

- Changed the curb height and removed one row of reinforcement.
- Added note: To maximize clearances for anchorages, place top of outside longitudinal bars 2” from deck surface (Typ.).

Under GENERAL NOTES:

- Changed the first word in the 3<sup>rd</sup> note from “USE” to “PROVIDE”.
- Changed numbered note ③: The “Proof Load” portion of the note was changed from 9.6 kips to 8.8 kips.

**Revised 11-20-2014**

At SECTION THROUGH CURB:

- Removed the railpost cap size and weld symbol at the top of the post.
- Added the note: “Vent hole. See railpost cap detail” to the top of the post.
- Removed the “TYP.” From the weld symbol at the railpost / base plate location.

At PARTIAL ELEVATION OF ORNAMENTAL METAL RAILING WITH FENCE (DESIGN T-3):

- Changed the look of the chain link fence to be more uniform throughout the detail.

ADDED: RAILPOST CAP DETAIL to the standard.

Under GENERAL NOTES: (sequence of notes has been adjusted, present sequence is listed below)

- Changed the 2<sup>nd</sup> note to read: Payment length shall be measured as the out to out length along the centerline of the railing between the outside ends, with deductions for the length of concrete posts, if present.
- Changed the 5<sup>th</sup> note to read: Coat the galvanized railing, base plates, and protruding portions of bolts, nuts, anchors, and washers.
- Changed the 8<sup>th</sup> note to read: Always use chain link fence with this railing. Refer to spec. 2557 for chain link fabric and tie requirements.
- Changed the 9<sup>th</sup> note to read: See special provisions for requirements not included on this sheet.
- Changed the 10<sup>th</sup> note to read: Drill ½” dia. max. vent holes on the underside of rail tubes as necessary to facilitate galvanizing.
- Moved “Adhesive Anchorage” numbered note ① to numbered note ③ and also made the numbered note change at the Anchor Detail.
- New numbered note ① reads: Drill vent hole in the rail post within 2” of the underside of the cap, on the non-traffic side of the post as necessary to facilitate galvanizing. Maximum hole size is ½” dia.

CHANGED: the designer note which refers to the Railing Height Table to read: Choose one height from railing height table above and cross out other heights. Rail heights greater than shown require redesign.

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NEW STANDARD