




STATE OF DELAWARE  
DEPARTMENT OF TRANSPORTATION  
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SECRETARY

**MEMORANDUM**

To: Current Holders of the Standard Construction Details

From: Mr. James Pappas   
Assistant Direct of Quality

Date: February 7, 2014

Subject: **2013 Standard Construction Details Update**

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Attached is the 2013 update for the Standard Construction Details that are assigned to you. Please replace the sheets in your set with those attached. Below is a list of the changes in this revision:

- **General Changes**
  - We are continuing to remove the metric dimensions for all sheets as they are revised.
- **Detail B-2, Sheet 1 of 3 – Grading for Guardrail End Treatment Attenuator, Type 1**
  - Added a shaded area showing the area that should be free of obstructions
- **Detail B-2, Sheet 2 of 3 – Grading for Guardrail End Treatment Attenuator, Type 2**
  - Added a shaded area showing the area that should be free of obstructions
- **Detail B-3, Sheet 1 of 3 – Guardrail Over Culverts, Type 1-31**
  - This guardrail layout was redesigned and based off of the Type 3-31 with a smaller clear span.
  - Added dashed lines indicating the culvert headwall along with offsets and grading requirements.
  - Renumbered posts to those only inside the limit of payment.
  - Added notes 5 & 6 and modified notes 3 & 4.
- **Detail B-3, Sheet 2 of 3 – Guardrail Over Culverts, Type 2-31**
  - This guardrail layout was redesigned and based off of the Type 3-31 with a smaller clear span.
  - Added dashed lines indicating the culvert headwall along with offsets and grading requirements.
  - Renumbered posts to those only inside the limit of payment.
  - Added notes 5 & 6 and modified notes 3 & 4.

- **Detail B-3, Sheet 3 of 3 – Guardrail Over Culverts, Type 3-31**
  - Added notes 5 & 6.
  - Added dashed lines indicating the culvert headwall along with offsets and grading requirements.
- **Detail B-6, Sheet 1 of 5 – Bridge Rail Retrofit, Entrance and End Applications**
  - Modified Note 6.
- **Detail B-16, Sheet 1 of 3 – Guardrail Over Culverts, Type 1-27**
  - This guardrail layout was redesigned and based off of the Type 3-27 with a smaller clear span.
  - Added dashed lines indicating culver headwall along with offsets and grading requirements.
  - All notes were updated.
- **Detail B-16, Sheet 2 of 3 – Guardrail Over Culverts, Type 2-27**
  - This guardrail layout was redesigned and based off of the Type 3-27 with a smaller clear span.
  - Added dashed lines indicating culver headwall along with offsets and grading requirements.
  - All notes were updated.
- **Detail B-16, Sheet 3 of 3 – Guardrail Over Culverts, Type 3-27**
  - Added dashed lines indicating culver headwall along with offsets and grading requirements.
  - Added notes 4 and 5.
- **Detail C-1, Sheet 1 of 2 – P.C.C. Curb**
  - Added Note 6
- **Detail C-2, Sheet 1 of 3 – Curb Ramp, Type 1 and Sections**
  - Modified section views to show appropriate concrete thickness under detectable warnings.
  - Added notes 9 & 10 and modified note 3.
- **Detail C-2, Sheet 2 of 3 – Curb Ramp, Type 2, 3, & 4**
  - Modified section views to show appropriate concrete thickness under detectable warnings.
  - Removed curb ramp type subtitles.
  - Added notes 11 & 12.
- **Detail C-2, Sheet 3 of 3 – Curb Ramp, Type 5 and Sections**
  - No longer showing the warping of concrete adjacent to ramped version of Type 5.
  - Added annotation to identify P.C.C. Curb, Type 2 on triangular islands.
  - Added note 11.
- **Detail M-3, Sheet 1 of 1 – Shared-Use Path & Sidewalk Details**
  - This sheet was completely redesigned to show details specific Shared-Use Path's and Sidewalks.
- **Detail M-9, All Sheets – Bus Stop Pad and Bust Stop Pad with Shelter Details**
  - These are all brand new details.

- **Detail P-4, Sheet 1 of 1 – Permanent Cross-Road Patch Over Pipe Trench Details**
  - New Detail
- **Detail T-1, Sheet 1 of 3 – Conduit Junction Well, Type 1**
  - Removed Types 2 and 3 from this detail as well as all associated annotation and notes.
  - Modified notes 2 and 3.
- **Detail T-1, Sheet 2 of 3 – Conduit Junction Well, Type 4**
  - Modified note 2.
  - New name symbol on cover.
- **Detail T-1, Sheet 3 of 3 – Conduit Junction Well, Type 5**
  - Modified note 2.
  - New name symbol on cover.
- **Detail T-3, Sheet 1 of 3 – Conduit Junction Well, Type 11**
  - Modified Note 3.
- **Detail T-4, Sheet 1 of 2 – Cabinet Bases, Types M& F**
  - Modified notes 1 & 3.
- **Detail T-5, Sheet 1 of 4 – Pole Bases**
  - Made minor annotation changes.
- **Detail T-5, Sheet 2 of 4 – Pole Bases**
  - Modified note 2 and added note 4.
- **Detail T-5, Sheet 3 of 4 – Pole Bases**
  - Removed Type 7 and all associated notes and references.
- **Detail T-5, Sheet 4 of 4 – Pole Bases**
  - Renamed old “Base 4” to “Base 4a”.
  - Added “Base 4b”.
- **Detail T-8, All Sheets – Loop Detector Lead-in Wire Installation**
  - All new details
- **Detail T-9, Sheet 1 of 3 – Loop Detector Installation & Splice Kit**
  - Simplified notes/annotation on ‘Loop Detector Sawcut Typical’ detail.
  - Modified Section A-A.
  - Modified note 1 and removed notes 5 & 6.
- **Detail T-9, Sheets 2 & 3 of 3 – Loop Detector Installation & Splice Kit**
  - All new details.
- **Detail T-13, Sheet 1 of 1 – Conduit Junction Well, Type 7**
  - Removed Types 6, 8, & 10 and renumbered sheet.
- **Detail T-15, Sheet 1 of 1 – Breakaway Sign Post And Pin Assembly Details**
  - Modified Breakaway Assembly to resemble actual installation.
  - Added section view.
  - Added note 7.

- **Detail T-17, Sheet 1 of 1 – Electrical Service Pedestal – Lighting, Signal & ITMS Component Installations**
  - New Detail.

Please contact Billy Sweeney at (302) 760-2350 if you have any questions.

JP:bwc

Enclosures

cc: Robert McCleary, Director of Transportation Solutions  
James Pappas, Assistant Director, Quality Section  
Mark Tudor, Assistant Director, North Project Development  
Pat Kennedy, FHWA  
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