



STATE OF DELAWARE
DEPARTMENT OF TRANSPORTATION
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SHAILEN P. BHATT
SECRETARY

MEMORANDUM

To: Current Holders of the Standard Construction Details

From: Mr. James Pappas
Assistant Direct of Engineering Support

Date: January 26, 2015

Subject: 2014 Standard Construction Details Update

Attached is the 2014 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.
 - We are beginning to switch all notes over to the "Active Voice" to match the rewriting of the Standard Specifications Manual.
 - All of Section IV – Erosion was modified with some details being removed, most being renumbered, and a couple of new details being added. This brings this section into compliance with the new Stormwater Regulations and the new Section 900 in the Specifications Manual. So, please completely replace ALL of the Section IV – Erosion sheets with the ones in this revision.
- **Detail C-6, Sheet 1 – Curb Retaining Wall**
 - This is a new detail.
- **Detail D-5, Sheet 2 – Drainage Inlet Frame and Grates**
 - Added the Type 7 grate for use when a drainage inlet is in a Pedestrian Access Route.
- **Detail D-R, Sheet 1 – Drainage Inlet Reference Sheet**
 - Modified the 'Top Unit' and 'Bar Bending Diagram' columns for all inlet sizes starting at 34" x 24" to 72" x 72".
 - Added Type 7 to the 'Frame & Grate' column.
 - Added notes 4, 5, & 6.
- **Detail E-1, Sheet 1 – Concrete Washout**
 - This is a new detail.
- **Detail E-2, Sheet 1 – Silt Fence**
 - More accurately showing the length of geotextile in the trench at the bottom of the silt fence.

- No longer allowing wire ties when attaching silt fence to posts. We are only allowing staples.
- More accurately showing the fabric on top of the wire mesh in the Wire Mesh Detail.
- **Detail E-3, Sheet 1 – Sediment Trap**
 - Renumbered this sheet.
- **Detail E-4, Sheet 1 – Inlet Sediment Control, Drainage Inlet**
 - Renumbered this sheet.
 - More accurately showing framing, geotextile and wire mesh design.
 - Added a weir to the check damn in Elevation View.
- **Detail E-5, Sheet 1 – Inlet Sediment Control, Culvert Inlet**
 - This is a new detail.
- **Detail E-6, Sheet 1 – Portable Sediment Tank**
 - Renumbered this sheet.
 - Added a metal plate to inlet and discharge pipes.
 - Removed old note 4.
- **Detail E-7, Sheet 1 – Sump Pit**
 - Renumbered this sheet.
 - Only 1 type of sump pit now with new pipe dimensions (24" inner, 36" outer).
 - Added Section B-B.
- **Detail E-8, Sheet 1 – Skimmer Dewatering Device**
 - Renumbered this sheet.
- **Detail E-9, Sheet 1 – Stone Check Dam**
 - Renumbered this sheet.
 - Reverted to a previous design which more accurately showed what is expected in the field.
 - Removed old note 1.
- **Detail E-10, Sheet 1 – Temporary Slope Drain**
 - Renumbered this sheet.
 - Interceptor berm is now 24" min height instead of 36".
 - Added Note 1.
- **Detail E-11, Sheet 1 – Incremental Stabilization**
 - Renumbered this sheet.
- **Detail E-12, Sheet 1 – Erosion Control Blanket Applications**
 - Renumbered this sheet.
 - Removed the embankment detail.
 - Added notes 1, 2, & 3.
- **Detail E-13, Sheet 1 – Turf Reinforcement Mat Applications**
 - Renumbered this sheet.
 - Added Design Shear Stress schedule.
- **Detail E-14, Sheet 1 – Stabilized Construction Entrance**
 - Renumbered this sheet.
 - More accurately showing the plan view.
 - Removed old note 5.
- **Detail E-15, Sheet 1 – Sandbag Dike**
 - Renumbered this sheet.
 - More accurately showing impervious sheeting and sandbag layout.
 - Removed old note 1.

- **Detail E-16, Sheet 1 – Sandbag Diversion**
 - Renumbered this sheet.
 - More accurately showing the Plan View.
 - Removed old note 1.
- **Detail E-17, Sheet 1 – Geotextile-Lined Channel Diversion**
 - Renumbered this sheet.
 - More accurately showing Isometric and Plan Views.
 - Showing maximum capacity line in Section A-A.
- **Detail E-18, Sheet 1 – Turbidity Curtain**
 - Renumbered this sheet.
 - Removed Staked Turbidity Curtain type.
- **Detail E-19, Sheet 1 – Stilling Well**
 - Renumbered this sheet.
 - Removed old note 1.
- **Detail E-20, Sheet 1 – Riprap Energy Dissipater**
 - Renumbered this sheet.
- **Detail E-21, Sheet 1 – Stone Outlet Detail**
 - This is a new detail.
- **Detail M-8, Sheet 1 – P.C.C. Parking Bumper**
 - Modified dimensions to more closely resemble the industry standard.
 - Only requiring a #3 bar to stake the bumper down.
- **Detail M-10, All Sheets – Bridge Safety Fence**
 - This is a brand new set of details.
- **Detail P-3, Sheet 1 – Butt Joints**
 - Now specifying the identified slope as Feet per Inches in the schedule.
 - Renamed the 15:1 slope condition to Stop Controlled Intersection.
- **Detail T-5, Sheet 3 – Pole Bases**
 - Added Type 3C to the schedule.
 - Modified Types 3, 3A, 3B, 3C entries in the schedule.
- **Detail T-5, Sheet 4 – Pole Bases**
 - Now showing Pavement, Sidewalk, etc. Finished Grade flush with the top of the pole base.
 - Changed the max drop on Soil Finished Grade to 4" over 2'-0".

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

Sincerely,



James T. Pappas
Assistant Director, Engineering Support

Enc.

cc: Robert McCleary, Director of Transportation Solutions
James Pappas, Assistant Director, Engineering Support
Pat Kennedy, FHWA
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