

# Summary of Revisions to Standard Details

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## Notes:

*Green highlight indicates new standard details that have gone through the external review\* process.*

*Yellow highlight indicates revised standard details that have gone through the external review\* process.*

*Turquoise highlight indicates very minorly revised standard details that have gone solely through the internal review process by a multi-departmental interdisciplinary team.*

*\* Including analysis of comments received by appropriate members of a multi-departmental interdisciplinary team.*

## **G-8 Standard Embedment and Concrete Encasement:**

Provided note and location in drawing of tracer wire per W-1 Water General Notes notes 4 and 5.  
Provided note and location in drawing for placement of identification non-detectable underground warning tape.

## **G-9 Pavement / Surface Replacement Details:**

Added reference to [ST-31 Trench Backfill With Controlled Low Strength Material And Embedment](#) for backfill with controlled low strength material.

## **S-1 Sanitary Sewer General Notes and Service Tap Notes:**

Added note for compaction / re-compaction of material prior to placement of concrete for a diamond for a force main valve or a sanitary sewer manhole under pavement.

## **S-7 Sanitary Sewer Manhole Cover and Frame:**

Updated Flying W for branding.

### **S-8 Watertight/Airtight Sanitary Sewer Manhole Cover and Frame:**

Updated Flying W for branding.

### **S-19 Embedment For New Sewer Crossing Under New Or Existing Water Line:**

Updated for polywrap requirement.

### **SW-1 Sidewalk General Notes:**

Revised reference to the United States Architectural and Transportation Barriers Compliance Board (Access Board) Accessibility Guidelines for Pedestrian Facilities in the Public Right-of-Way (PROWAG).

### **SW-5 Curb Ramps General Notes – 1 of 2:**

Revised reference to the United States Architectural and Transportation Barriers Compliance Board (Access Board) Accessibility Guidelines for Pedestrian Facilities in the Public Right-of-Way (PROWAG).

### **SW-6 Curb Ramps General Notes – 2 of 2:**

Revised reference to the United States Architectural and Transportation Barriers Compliance Board (Access Board) Accessibility Guidelines for Pedestrian Facilities in the Public Right-of-Way (PROWAG).

### **SD-1 Stormwater Drainage General Notes:**

Added note for requirement of placement of identification non-detectable underground warning tape. Provided clarity that [SD-9 Stormwater Drain Manhole Cover and Frame](#) is required for pre-cast and cast-in-place structures. Provided clarity of thickness of concrete invert. Provided minimum dimensions for required concrete apron for pre-cast area zone drain. Added note for compaction / re-compaction of material prior to placement of concrete for a diamond for stormwater drainage manhole under pavement.

### **SD-2 Standard Inlet Plan View:**

Revised to eliminate extending outflow pipe 6 IN. into inlet. Changed dimension "B" to simply "Interior Width" for clarity and consistency. Revised to show cover with text as, "STORMWATER DRAIN" and current Flying W for branding.

### **SD-3 Standard Inlet Front Section View:**

Revised to eliminate extending outflow pipe 6 IN. into inlet. Provided clarity of concrete invert in relation to pipe at face of interior wall.

### **SD-4 Standard Inlet Side Section:**

Revised to eliminate extending outflow pipe 6 IN. into inlet. Provided clarity of concrete invert in relation to pipe at face of interior wall.

### **SD-5 Standard Recessed Inlet Plan View:**

Revised to eliminate extending outflow pipe 6 IN. into inlet. Revised to show cover with text as, "STORMWATER DRAIN" and current Flying W for branding.

### **SD-6 Standard Recessed Inlet Side Section:**

Revised to eliminate extending outflow pipe 6 IN. into inlet. Provided clarity of concrete invert in relation to pipe at face of interior wall.

### **SD-9 Stormwater Drain Manhole Cover and Frame:**

Revised to show cover with text as, "STORMWATER DRAIN" and updated Flying W for branding.

### **SD-10 Standard Stormwater Drain Manhole Section:**

Revised pipe location. Revised numbering of notes 5 and 6.

### **SD-12 Deep Stormwater Drain Manhole Section View:**

Revised pipe location.

### **SD-13 Top Slab Deep Stormwater Drain Manhole:**

Revised to place end of outflow pipe flush with interior wall.

### **SD-14 Concrete Lined Channel:**

Revised to ensure compliance with the United States Architectural and Transportation Barriers Compliance Board (Access Board) Accessibility Guidelines for Pedestrian Facilities in the Public Right-of-Way (PROWAG).

### **SD-15 Concrete Pilot Channel / Drainage Flume:**

Revised name to ensure drainage flumes were designed and constructed in accordance with this Standard Detail. Revised to ensure compliance with the United States Architectural and Transportation Barriers Compliance Board (Access Board) Accessibility Guidelines for Pedestrian Facilities in the Public Right-of-Way (PROWAG).

### **SD-16 Concrete Sloping Channel Drop Structure:**

Revised to ensure compliance with the United States Architectural and Transportation Barriers Compliance Board (Access Board) Accessibility Guidelines for Pedestrian Facilities in the Public Right-of-Way (PROWAG).

### **ST-1 Street – General Notes:**

Added note, *"Concrete for curb and gutter shall be placed and finished in accordance with the Standard Specifications for Construction Section 5.3 Concrete Curb and Gutter."*

Removed some notes directly addressed in the Standard Specifications for Construction Section 5.3 Concrete Curb and Gutter. Added note regarding permissible range of slopes in the parkway. Added note under heading of Metal Beam Guard Fence, *"Mow strip is required."* Added note for compaction / re-compaction of material prior to placement of concrete for a diamond for a force main valve, a sanitary sewer manhole, a stormwater drainage manhole, or a water valve under pavement.

### **ST-27 Base Failure Repair With Concrete After Milling (Mill & Overlay Projects):**

Added, "After Milling" to the name for clarity. Reduced the minimum width of repair from 7 FT. to 5 FT. Revised depth of concrete based on functional classification of street.

### **ST-28 Base Failure Repair With Controlled Low Strength Material After Milling (Mill & Overlay Projects):**

Added, "After Milling" to the name for clarity. Reduced the minimum width of repair from 7 FT. to 5 FT. Revised depth of controlled low strength material based on functional classification of street.

### **ST-31 Trench Backfill With Controlled Low Strength Material And Embedment:**

Revised depth of controlled low strength material based on functional classification of street.

### **ST-39A Ribbon Curb Residential Drive Approach:**

Provides for drive approach for approved installations of [ST-16 Ribbon Curb](#).

### **ST-39B Ribbon Curb Residential Drive Approach General Notes:**

Provides general notes for drive approach for approved installations of [ST-16 Ribbon Curb](#).

### **ST-40 Concrete Pavement to Asphalt Pavement Transition Panel:**

Provides for details for transition of new concrete pavement placed adjacent to asphaltic pavement of intersecting street.

### **ST-41 Base Failure Repair With Concrete Prior to Milling (Mill & Overlay Projects):**

Provides for base failure repair with concrete prior to milling for mill and overlay projects.

### **ST-42 Base Failure Repair With Controlled Low Strength Material Prior To Milling (Mill & Overlay Projects):**

Provides for base failure repair with controlled low strength material prior to milling for mill and overlay projects.

### **ST-43 Base Failure Repair With HMAC Type B (Full Depth) Prior to Milling (Mill & Overlay Projects):**

Provides for base failure repair of large areas with HMAC Type B (Full Depth) prior to milling.

### **ST-44 Joint And Transition Details For Asphalt Pavement:**

Provides details for full inlay joint and transition to and from placement of asphaltic material on existing pavement surface.

### **W-1 Water General Notes:**

Added note for requirement of placement of identification non-detectable underground warning tape for all water mains. Added note for compaction / re-compaction of material prior to placement of concrete for a diamond for a valve under pavement.

### **W-6 Gate Valve And Valve Box:**

Bolded text, *"48 IN. min. backfill may be required to be hand placed and compacted."*

### **W-7 Water Meter Valve Box Extension Installation:**

Referenced W-6 for limits of backfill that may be required to be hand placed and compacted.

### **W-37 Embedment For New Stormwater Drainage Conduit Or Franchise Utility Line Crossing Over New Or Existing Water Line:**

Eliminated casing requirement for constraints of this Standard Detail and revised accordingly.

### **WP-7A Inlet Protection General Notes:**

Revised numbering of notes.

### **WP-7B Filter Weir Curb Inlet Protection:**

Provided alternate to use of board and concrete screws to secure device. Revised required height of clear opening.