

Sheet by Sheet Summary of New & Revised Standard Details

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Notes:

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

Turquoise highlight indicates revised standard details that have gone through the external review process.

Yellow highlight indicates very minorly revised standard details that have gone solely through the internal review process by appropriate members of a Multi-departmental Interdisciplinary Team.

G-1A Construction Material Sampling and Testing Matrix – 1 of 2:

Addressed subgrade under concrete lined channel. Provided clarity for testing of backfill of trenches. Reworded listing of Standard Details for comprehensive referencing.

G-1B Construction Material Sampling and Texting Matrix – 2 of 2:

Provided clarification for when entrained air content required testing. Clarified minimum frequency of testing and added frequency for testing of hot-mix asphaltic concrete pavement thickness. Reworded listing of Standard Details for comprehensive referencing.

G-2C Bollard (6 IN. Diameter) Removable:

Provides for removable bollard to facilitate operations and maintenance activities of various infrastructure systems.

G-6 Trench Waterstop Detail:

Linked to G-8 Standard Embedment And Concrete Encasement.

G-8 Standard Embedment And Concrete Encasement:

Changed specified "coarse crushed rock" to "Aggregate Meeting ASTM 57 Specifications" per requests of Contractors.

S-5 Manhole Notes:

Changed "¾ IN. Washed Rock" to "Aggregate Meeting ASTM 57 Specifications" per requests of Contractors and provided corresponding gradation table.

S-11 Precast Reinforced Concrete Manhole:

Changed "¾ IN. Washed Rock" to "Aggregate Meeting ASTM 57 Specifications" per requests of Contractors. Revised exterior coating requirements.

S-12 Doghouse Manhole:

Changed "¾ IN. MIN. Washed Rock" to "Aggregate Meeting ASTM 57 Specifications" per requests of Contractors. Reduced invert slope to ½ IN. per foot for consistency with S-11. Revised exterior coating requirements.

S-14 Sanitary Sewer Force Main Valve and Valve Box:

Revised drawing for consistency with revised W-1 Water General Notes and Water Service Tap Notes note 4 changing placement of metallic tracer wire to on top of excavation prior to placing embedment. Eliminated taping of tracer wire.

S-17 Manhole Vent:

Changed "¾ IN. Washed Rock" to "Aggregate Meeting ASTM 57 Specifications" per requests of Contractors.

S-20 Embedment For New Sewer Crossing Over New Or Existing Water Line:

Revised wording of note 5 for individually linking W-3A, W-3B, W-3C, W-3D, and W-3E.

SW-2 Sidewalk Details Legend:

Changed note 17 from "Washed Rock" to "Aggregate Meeting ASTM 57 Specifications" per requests of Contractors.

SW-14 Pedestrian Medallion Paths Legend:

Revised note 24 to change tree grate requirements as follows:

- Reduced size from 60 IN. X 60 IN. to 48 IN. X 48 IN. to reduce cost
- Eliminated light access feature to reduce cost
- Addressed aspects of ADA compliance

Revised note 25 to allow only tree grate frame per manufacturer for operations and maintenance considerations.

SW-20 Tree Grate Details:

As reflected in drawing, revised to:

- Reduced size from 60 IN. X 60 IN. to 48 IN. X 48 IN. to reduce cost
- Eliminated light access feature to reduce cost
- Addressed aspects of ADA compliance

SD-1 Stormwater Drainage – General Notes:

Notes 4 and 5 revised to aggregate meeting ASTM 57 specifications per requests of Contractors.

Revised note 21 as follows:

- Added "manholes, and junction boxes"
- Changed "¾ IN. Washed Rock" to "Aggregate Meeting ASTM 57 Specifications" per requests of Contractors
- Added minimum dimension outside of footprint for aggregate to be placed

SD-3 Standard Inlet Front Section View:

Referenced G-7 General Concrete & Reinforcement Notes note 6 regarding subgrade compaction for inlets and SD-1 Stormwater Drainage – General Notes note 21 regarding bedding material for precast inlets.

SD-4 Standard Inlet Side Section:

Referenced G-7 General Concrete & Reinforcement Notes note 6 regarding subgrade compaction for inlets and SD-1 Stormwater Drainage – General Notes note 21 regarding bedding material for precast inlets.

SD-6 Standard Recessed Inlet Side Section:

Referenced G-7 General Concrete & Reinforcement Notes note 6 regarding subgrade compaction for inlets and SD-1 Stormwater Drainage – General Notes note 21 regarding bedding material for precast inlets.

SD-9 Stormwater Sewer Drain Manhole Cover and Frame:

Revised name. Revised designated cover and frame to include reversible attribute to enable the flange to be on top for some of the various City stormwater drainage system components.

SD-10 Standard Stormwater Sewer Drain Manhole Section:

Referenced G-7 General Concrete & Reinforcement Notes note 6 regarding subgrade compaction for manholes and SD-1 Stormwater Drainage – General Notes note 21 regarding bedding material for precast manholes. Revised name. Revised designation of cover and frame for consistency with revisions to SD-9 Stormwater Drain Manhole Cover and Frame.

SD-11 Standard Stormwater Sewer Drain Manhole Top Slab:

Revised name.

SD-12 Deep Stormwater Sewer Drain Manhole Section:

Referenced G-7 General Concrete & Reinforcement Notes note 6 regarding subgrade compaction for manholes and SD-1 Stormwater Drainage – General Notes note 21 regarding bedding material for precast manholes. Revised name. Revised designation of cover and frame for consistency with revisions to SD-9 Stormwater Drain Manhole Cover and Frame.

SD-13 Top Slab Deep Stormwater Sewer Drain Manhole:

Revised name.

SD-14 Concrete Lined Channel:

Addressed compaction of material under concrete per G-7 General Concrete & Reinforcement Notes note 6. Changed "¾ IN. Washed Rock" to "Aggregate Meeting ASTM 57 Specifications" per requests of Contractors.

SD-16 Concrete Sloping Channel Drop Structure:

Addressed compaction of material under concrete per G-7 General Concrete & Reinforcement Notes note 6. Changed "¾ IN. Washed Rock" to "Aggregate Meeting ASTM 57 Specifications" per requests of Contractors.

ST-2 Local Street Section:

Added option to use recycled crushed concrete for under curb & gutter when pavement layer thicknesses exceeding minimums of the Subdivision Ordinance were specified by Developer's Engineer. Revised drawing for consistency with [Standard Specifications for Construction](#) Section 2.2: Subgrade Courses 2.2A Subgrade Preparation Part 1: General A. Description. Added reference to ST-15 Standard Curb And Gutter Details.

ST-5 Typical Median Cross Section:

Revised wording of note for individually linking ST-15, ST-18, ST-19, ST-20, and ST-22. Removed reference to ST-16, ST-17, and ST-21.

W-1 Water General Notes and Water Service Tap Notes:

Revised note 4 changing placement of metallic tracer wire from on top of embedment prior to placing water line to on top of excavation prior to placing embedment.

W-2 Fire Hydrant Setting:

Changed "¾ IN. Washed Rock" to "Aggregate Meeting ASTM 57 Specifications" per requests of Contractors. Clarified steamer cap alignment requirements. Reworded listing of Standard Details for comprehensive referencing.

W-2A Limited Space Fire Hydrant Setting:

Changed "¾ IN. Washed Rock" to "Aggregate Meeting ASTM 57 Specifications" per requests of Contractors. Clarified steamer cap alignment requirements. Reworded listing of Standard Details for comprehensive referencing.

W-4 Vertical Bend Detail:

Reworded listing of Standard Details for comprehensive referencing.

W-5 Ring Connection:

Reworded listing of Standard Details for comprehensive referencing.

W-6 Gate Valve and Valve Box:

Revised drawing for consistency with revised W-1 Water General Notes and Water Service Tap Notes note 4 changing placement of metallic tracer wire to on top of excavation prior to placing embedment. Eliminated taping of tracer wire.

W-7 Water Valve Box Extension Installation:

Revised drawing for consistency with revised W-1 Water General Notes and Water Service Tap Notes note 4 changing placement of metallic tracer wire to on top of excavation prior to placing embedment. Eliminated taping of tracer wire.

W-20 Typical Water Meter Detail for 2 IN. And Larger:

Changed "¾ IN. Washed Rock" to "Aggregate Meeting ASTM 57 Specifications" per requests of Contractors.

W-21 Double Check Valve Vault:

Changed "¾ IN. Washed Rock" to "Aggregate Meeting ASTM 57 Specifications" per requests of Contractors. Provided additional clarification of location restrictions for above ground assemblies.

W-22 Air Release Valve And Manhole Vault (Off Street):

Changed "¾ IN. Washed Rock" to "Aggregate Meeting ASTM 57 Specifications" per requests of Contractors.

W-23 Air Release Valve And Manhole Vault (In Street):

Changed "¾ IN. Washed Rock" to "Aggregate Meeting ASTM 57 Specifications" per requests of Contractors.

W-24A Pressure Reducing Valve Assembly On New Or Existing Main:

Changed "¾ IN. Washed Rock" to "Aggregate Meeting ASTM 57 Specifications" per requests of Contractors.

W-25 Reduced Pressure Zone Assembly And Vault:

Changed "Washed Rock" to "Aggregate Meeting ASTM 57 Specifications" per requests of Contractors.
Reworded listing of Standard Details for comprehensive referencing.

W-27A Below Ground Blow Off Assembly:

Reworded listing of Standard Details for comprehensive referencing.

W-34 Tracer Wire Details:

Revised drawing for consistency with revised W-1 Water General Notes and Water Service Tap Notes note 4 changing placement of metallic tracer wire to on top of excavation prior to placing embedment. Eliminated taping of tracer wire.

W-38 Fire Line Connection To Water Main:

Created new Standard Detail for connection of fire line to water main.