

CITY OF ALBANY
CONSTRUCTION SPECIFICATIONS AND STANDARD DRAWINGS
Summary of Changes – Effective January 31, 2018

DIVISION 1 – GENERAL REQUIREMENTS

- **Section 101.02.00 APPLICABILITY OF DIVISIONS**

The following paragraph was added

Division VI contains specific requirements for the construction of post-construction stormwater quality systems that are to be operated and maintained by the owner.

- **Section 104.01.00 CONTRACT DOCUMENTS**

The second paragraph of this section has been replaced as follows:

Anything mentioned in the special provisions and not shown on the drawings and standard details; or shown on the drawings, and not mentioned in the special provisions or shown on a standard detail; or shown on a standard detail, and not mentioned in the special provisions or shown on the drawings, shall be of like effect as though shown or mentioned in all three. Specifications, drawings, and standard details referred to in any of the contract documents shall be considered as being included in the document in which such reference is made.

- **Section 107.05.04 WORKERS' COMPENSATION INSURANCE**

The insurance coverage limit in this section has been increased from \$500,000 to \$1,000,000.

DIVISION 2 – GENERAL TECHNICAL REQUIREMENTS

- **Standard Drawing 202B Clustered Mailbox Units (CBUs)**

Added Note 8 specifying maximum street grade where CBUs can be installed.

- **Standard Drawing 206B Grind-Inlay Pavement Restoration**

Added Notes 2 and 3 referencing Standard Drawing No. 206A Tee Cut Pavement Restoration. These two notes replace previous notes 2 through 6.

- **Standard Drawing 209 Typical Street Name Sign**

Added Note 6. Modified drawing to be consistent with requirements in the MUTCD.

- **Standard Drawing 210 Street Tree Planting Detail**

Modified stem diameter to be consistent with Section 210.04.00 STREET TREE SIZE AT TIME OF PLANTING.

DIVISION 3 – STREETS

- **Section 304.01.02 STRIPING MATERIALS**

The first paragraph of this section has been replaced as follows:

Unless otherwise specified, thermoplastic striping materials shall be used. Lane line markings shall be extruded profiled or extruded non-profiled (Method A) thermoplastic as specified in Section 00865 of the *Oregon Standard Specifications for Construction*. Markings used for legends, symbols, crosswalks, and stop bars shall be PreMark as manufactured by Flint Trading, Inc., or approved equal. Pavement markings shall be installed in accordance with the *Manual on Uniform Traffic Control Devices*.

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CONSTRUCTION SPECIFICATIONS AND STANDARD DRAWINGS
Summary of Changes – Effective January 31, 2018

- **Standard Drawing 304 Details for Typical Curb and Gutter Configurations**
Clarified Note 1 to specify rolled curb and gutter required for construction of cul-de-sacs per Detail 303.
- **Standard Drawing 306 Typical Curb Drain**
Added note clarifying curb train should be flush with the face of curb.
- **Standard Drawing 312 Culvert Detail for Standard Driveway Approach Unimproved Streets**
Modified Notes to include Corrugated High-Density Polyethylene as an approved pipe material consistent with changes made in Division 4.
- **Standard Drawing 313 Standard Setback Sidewalk**
Added Note 8 referencing Standard Drawing 314 relative to construction around obstacles. Added Note 9 to clarify sidewalk adjacent to rolled curb shall have a minimum thickness of 6-inches.
- **Standard Drawing 315 Curb Ramps**
Added Note 6 to clarify ramps don't need to be longer than 15 feet regardless of slope. Added note to clarify landings are always 4 feet X 4 feet, regardless of the type used.

DIVISION 4 – SANITARY SEWERS AND STORM DRAINS

- **401.01.02 PIPE**

Section 401.01.02E was added:

401.01.02E SANITITE HP POLYPROPYLENE PIPE

Sanitite HP polypropylene pipe shall be for storm drain applications. Designs for sanitary sewer applications shall be considered on a case-by-case basis

12-inch through 30-inch SaniTite HP dual pipe shall have a smooth interior and annular exterior corrugations; 30-inch through 60-inch SaniTite HP triple wall pipe shall have a smooth interior and exterior surfaces with annular inner corrugations.

- (1) 12-inch through 30-inch (300 to 750 mm) dual wall pipe shall meet ASTM F2736.
- (2) 30-inch through 60-inch (750 to 1500 mm) triple wall pipe shall meet ASTM F2764.
- (3) 12-inch through 60-inch (300 to 1500 mm) pipe shall have a minimum pipe stiffness of 46 pii when tested in accordance with ASTM D2412.

Polypropylene compound for pipe and fitting production shall be an impact modified copolymer meeting the material requirements of ASTM F2736, ASTM F2764, and AASHTO M330, for the respective diameters.

- **401.01.03 FITTINGS**

Section 401.01.03E was added:

401.01.03E FITTINGS FOR SANITITE HP POLYPROPYLENE PIPE

Fittings shall conform to ASTM F2736, ASTM F2764, and AASHTO M330, for the respective diameters. Bell & spigot connections shall utilize a welded or integral bell and spigot with gaskets meeting ASTM F477. Fittings and connections shall provide a watertight connection according to the requirements of ASTM D3212.

CITY OF ALBANY
CONSTRUCTION SPECIFICATIONS AND STANDARD DRAWINGS
Summary of Changes – Effective January 31, 2018

- **401.01.04 PIPE AND FITTING CONNECTIONS**

Section 401.01.04F was added:

401.01.04F SANITITE HP POLYPROPYLENE PIPE

Bell & spigot connections shall utilize a welded or integral bell and spigot with gaskets meeting ASTM F477. Fittings and connections shall provide a watertight connection according to the requirements of ASTM D3212.

- **Section 401.02.13C TELEVISED INSPECTION OF SANITARY AND STORM SEWERS**

A new paragraph was added after the 2nd paragraph in this section:

Contractors, when hired to inspect newly constructed or rehabilitated pipe for the City's sewer or storm system, shall be certified operators per the National Association of Sanitary Sewer Companies (NASSCO) Pipe Assessment Certification Program (PACP). Inspections, the inspection report, and CCTV data shall be provided as NASSCO compliant export files and shall be easily transferrable to the City's asset management system.

DIVISION 5 – WATER

- **Section 501.01.08. CATHOTIC PROTECTION**

A new section was added.

Cathodic protection shall be installed on all stainless steel tapping sleeves and all copper services.

Cathodic protection shall be Promag H-1 standard potential magnesium packaged anode 20D2 with the standard, 10-foot #12thhn solid wire as manufactured by Farwest Corrosion Control Company or approved equal.

Anode shall be installed in native soil at a minimum of 5 feet from the tapping sleeve or service and the highest point of anode shall have a minimum of 5 feet of cover. On tapping sleeve installation, the anode wire shall be wrapped around a single bolt on the tapping sleeve in between two (2) stainless steel washers held in place with an additional nut. On service installations, the anode wire shall be wrapped around an Erico CWP1JU water pipe ground clamp or approved equal. Clamp shall be installed on the copper service at the angle stop.

- **Section 502.01.03B TAPPING SLEEVES**

A new sentence was added to the 6th paragraph requiring cathodic protection.

All tapping sleeves installed shall have cathodic protection as specified in Section 501.01.08 CATHOTIC PROTECTION.

- **Section 504.01.02B PLASTIC WATER SERVICE LINES**

Paragraphs were revised in this section to eliminate PEX tubing material as an approved water service material.

- **Section 504.01.03B ANGLE METER VALVES**

Added text to second paragraph to clarify angle meter valves shall be full port.

Angle meter valves shall be full port and have one-inch inlet and outlet with padlock wings.

CITY OF ALBANY
CONSTRUCTION SPECIFICATIONS AND STANDARD DRAWINGS
Summary of Changes – Effective January 31, 2018

- **Section 504.01.07 RESIN CAST METER BOXES**

Modified 2nd paragraph to require all meter boxes be equipped with traffic rated lids. Updated Part Numbers.

Meter box covers shall include a hinged cast iron reading lid. Covers shall be constructed with a recessed circle and hole to receive “touch read” sensor housings. All meter boxes and covers shall be supplied with “20k” covers.

Acceptable resin cast meter boxes and covers:

<u>Model</u>	<u>Size</u>	<u>Part Number</u>
Armorcast #38	13 × 24 × 12 box	A6001946PCx12
	13 x 24 cover “20k”	A6001969TRCI-H7
Armorcast #66	17 × 30 × 18 box	A6001640PCx28
	17 x 30 cover “20k”	A6001947TRCI-H7

- **Section 504.02.02A SERVICE LINE INSTALLATION**

A new sentence was added to the 2nd paragraph requiring cathodic protection

Copper services shall be direct buried and bedded in select rock backfill such that no portion of the service assembly is in contact with native soil. Copper service lines shall be installed with cathodic protection meeting the requirements of Section 501.01.08 CATHOTIC PROTECTION. Copper service lines shall not be installed by jacking or other methods which will result in the completed service assembly being in contact with native soil. Copper services may be installed in PVC casings where approved by the City Engineer.

- **Standard Drawing 504 Standard Fire Hydrant Assembly**

Added Note 7 requiring construction of a concrete collar when Hydrants are located within planter strips or open spaces.

- **Standard Drawing 507 3/4 “ and 1” Water Services**

Modified notes to eliminate PEX tubing consistent with changes made in Section 504.01.02B PLASTIC WATER SERVICE LINES.

- **Standard Drawing 508 1-1/2” AND 2” Water Services**

Modified notes to eliminate PEX tubing consistent with changes made in Section 504.01.02B PLASTIC WATER SERVICE LINES.

- **Standard Drawing 509 1” and 2” Combination Air/Vacuum Release Valve**

Modified Note 6 to reference cathodic protection consistent with Section 501.01.08 CATHOTIC PROTECTION.

DIVISION 6 – POST-CONSTRUCTION STORMWATER QUALITY FACILITIES

- **602.02.00 GRAVEL LENS**

Modified % Passing for 1/2” and 3/8” Screen Size in Section 602.02.01 GRADATION.

- **602.03.00 AGGREGATE FOR GRAVEL BALLAST**

Title was revised to eliminate reference to gravel splash pads.

CITY OF ALBANY
CONSTRUCTION SPECIFICATIONS AND STANDARD DRAWINGS
Summary of Changes – Effective January 31, 2018

- **602.03.02 AGGREGATE FOR GRAVEL BALLAST**
Paragraph was revised to eliminate reference to placement of gravel splash pads.
- **603.01.00 PORTLAND CEMENT CONCRETE (PCC)**
A new sentence was added to the 1st paragraph discussing concrete splash pads.
- **Standard Drawing 603A Streetside Shallow Swale Plan View**
Deleted reference to gravel splash pad.
- **Standard Drawing 604A Streetside Planters Plan View**
Deleted reference to gravel splash pad.
- **Standard Drawing 604B Streetside Planters Section View**
Added Note specifying PCC shall be contained by use of forms and shall not extrude into treatment area.
- **Standard Drawing 605 Curb Extension Planter At Intersection**
Deleted reference to gravel splash pad.
- **Standard Drawing 606 Curb Extension Planter Plan View**
Deleted reference to gravel splash pad.
- **Standard Drawing 607 Curb Extension Pod Plan View**
Deleted reference to gravel splash pad.
- **Standard Drawing 612 Typical Streetside Curb Notch**
Modified drawing to specify a concrete splash pad.
- **Standard Drawing 613 Curb Extension Inlet**
Deleted reference to gravel splash pad.
- **Standard Drawing 615 Curb Inlet Sediment Collector with Planter**
Deleted reference to gravel splash pad.
- **Standard Drawing 614 Streetside Grated Inlet**
Deleted reference to gravel splash pad.
- **Standard Drawing 616A Catch Basin Sediment Collector With Planter**
Deleted reference to gravel splash pad.
- **Standard Drawing 616B Catch Basin Sediment Collector With Swale**
Deleted reference to gravel splash pad.