

SUMMARY OF PUBLIC WORK STANDARD SPECIFICATION REVISIONS – 2019

STANDARD SPECIFICATIONS

102.12 Equal Rights Benefit

This section is deleted.

103.3 Execution of Contract and Bond

Revised language from duplicate to triplicate.

109.9 Liquidated Damages

Increased LDs. This is the first adjustment since 2011.

110.2 Partial Payments

The first demographic records are due when twenty five (25) percent of the contract total has been paid or by the second pay request, whichever comes first. Payment **may** be held until these records are submitted. The word 'shall' was replaced with the word 'may'.

202.2(f) Topsoil

Adding language for turf and non-turf topsoils.

203.2 (c) Abandoning Structure and Pipes

Added: The floor of the structure shall have a minimum of five (5) three (3) inch holes punched or drilled through.

207.2 Materials

Revised seed mix (detention, infiltration, etc)

207.3(d) Mulching

Revised to include wood fiber and remove emulsified asphalt

210.2 Erosion Matting

Clarified organic matting is required except for Class III.

301.5 Placing and Finishing

Deleted language that concrete with rebar can't be placed below 36F.

403.12 Adjust Access Structure Casting – Resurfacing

Allows for 12" of adjustment.

Article 403.16 Adjust Valve Casting

Typo.

408.1 Materials For Pavement Chip Sealing

Typo

503.2(a) Solid-Wall Poly (Vinyl Chloride) (PVC) Sewer Pipe and Fittings

Corrected typo SDSR-26 to SDR-26

503.2(c) Corrugated-Wall Polypropylene (CWPP) Sewer Pipe and Fittings.

Deleted: Triple Wall and Fittings for Polypropylene Pipe (CWPP 30" diameter-36" diameter)

503.3(d) Sanitary Sewer Wyes

Clarified connection of new PVC lateral to existing vitrified clay requires sawed or cored connection.

504.2 Materials

Type II: Pavement Storm

Add language to better define where can it be used including turf, in terraces, under curb, min 2ft cover (to top of basecourse) to the lowest point of the pipe run. Max size is 36". For use in new subdivisions only.

Deleted language on connection of Type II pipe to concrete apron end wall to clarify connection at anApron end.

504.2(H) Solid-Wall Poly (Vinyl Chloride) (PVC) Sewer Pipe and Fittings

Corrected typo SDR-26 to SDR-26

504.3c Joints

Deleted language on connection of Type II and Type III pipe to concrete apron end wall to clarify connection at anApron end.

505.3(a) Box Culverts

Revise 1. And 2. As follows:

1. The sub-grade for the boxes shall have WDOT TYPE HR filter fabric placed on all exposed sub-grade areas prior to placement of the bedding stone for the boxes.
2. One (1) foot of three (3) inch clear stone shall then be placed on the geotextile fabric as bedding stone.

507.2(b) Sewer Access Structures

Added Casting: R-1550 Hydro Vent

507.2(e) Special Castings

Added Stormwater curb opening casting for 4" curb heads: R-3262-3

702.1 Materials: General

Clarify protection requirements for water materials stored on site to protect from contamination.

702.3.1 Ductile Iron Pipe

Require any cad welded bonding straps to be coated in approved rubberized corrosion resistance product.

702.4.4 Solid Sleeves:

Standard mechanical joint fitting requirements for default solid sleeve fitting.

702.4.5 Solid Repair Sleeves

Include additional solid repair sleeves (Hymax Grip, Romac Alpha).

702.5.2 Saddles

Include additional stainless steel saddle (Hymax Versa).

705.6 Curb Boxes

Include additional curb box assemblies (Tyler Union).

703.1 Construction Methods: General

Provide trench-foot conversion for utility trench patch measurements of water main installations.

703.10 Thrust Restraint

Any 4-IN or larger water main or service lateral stub greater than 20-FT will require joint restraint.

No pipe-pipe joints permitted within 10-FT of a valve connection.

703.12 Copper Service Laterals

Remove requirement to direct-tap 1.5-IN and 2-IN copper laterals, require use of approved stainless steel saddles per 702. Allow corp tap installations to range from 45-deg to 60-deg to aid copper sweep transition.

703.15.1 Conductivity Testing

Require any cad welded bonding straps to be coated in approved rubberized corrosion resistance product.

703.18 Water Utility Construction Services

Reiterate that the Utility does not own or maintain service laterals beyond the curb stop or within 8-FT of the right-of-way line, and subsequently will not be responsible for locating these facilities.

704.6 Furnish & Install Water Valve

Set valve box 1/2-IN below finished grade, rather than within a tolerance range of 1/4-IN to 1/2-IN. Delete AFC Series 500 – no longer in production, Series 2500 remains permitted.

704.12 Cut-In or Connect-To Existing Water System

Provide additional clarification regarding cut-in connections. Pipe/fittings installed along the run leg of the connection are not to be included as separate payment for water main items. Valves will be paid separately, and added fittings will be paid per standard set pricing formulas.

704.28 Furnish and Install Curb Stop

Provide additional compensation for 1.5-IN and 2-IN curb stop installations (\$750).

704.30 Temporary Water Supply System (new item)

New specification and bid item requirements for installing and maintaining temporary water supply systems during construction.

BID ITEMS

Revised or New Items

50371	LATERAL BACKFLOW PREVENTER	EACH
50372	LATERAL CLEANOUT	EACH
70110	TEMPORARY WATER SUPPLY SYSTEM	LUMP SUM

Deleted Items

50367	30 INCH CWPP SANITARY SEWER PIPE	LF
50368	36 INCH CWPP SANITARY SEWER PIPE	LF

DETAIL DRAWINGS

REVISED OR NEW

SDD 1.07 CONSTRUCTION ENTRANCE
revised general notes to meet the new trackout standard

SDD 2.09 RAINGARDEN & BIO-RETENTION DETAIL
Removed note that c&g had to be hand poured.

SDD 4.01 TYPICAL SECTION 32' WIDE STREET
Revised to note topsoil is 6".

SDD 4.03 TYPICAL SECTION BOULEVARD STREET
Revised to note topsoil is 6".

SDD 4.05 TYPICAL SECTIONS WITH UNDERDRAINS
Revised to note topsoil is 6"

SDD 4.07 TYPICAL ALLEY WITH CURB & GUTTER
Revised to note topsoil is 6".

SDD 5.2.4 TYPICAL PAVEMENT PATCH SECTIONS
Revised to include correct gravel and pavement thicknesses.

SDD 5.4.4 RIPRAP AT APRON END WALLS
Added note 5) to clarify that RCP concrete cutoff wall only when called for and when called for it shall be included in endwall cost.

SDD 5.7.7 TYPE H INLET
Added language that the inside adjustment rings shall not be sealed with mortar. The material falls off and into flow lines.

SDD 5.7.15 SAS CHIMNEY AND CASTING
Added language that the inside adjustment rings shall not be sealed with mortar. The material falls off and into flow lines.

SDD 5.7.40 LATERAL BACKFLOW PREVENTER
New detail

SDD 5.7.41 LATERAL CLEANOUT
New Detail

SDD 7.04 TYPICAL HYDRANT INSTALLATION
Set valve box ½-IN below finished grade, rather than within a tolerance range of ¼-IN to ½-IN.

SDD 7.06 WATER VALVE BOX ALIGNMENT
Set valve box ½-IN below finished grade, rather than within a tolerance range of ¼-IN to ½-IN.

7.09 - LOCATION OF WATER SERVICES
Depict lateral ownership transition points.

SDD 7.10 SERVICE LATERAL INSTALLATION
Allow corp tap installations to range from 45-deg to 60-deg to aid copper sweep transition.
Depict lateral ownership transition points.

SDD 7.16 JOINT RESTRAINT LENGTHS FOR VERTICAL BENDS
Revise to reflect restraint requirements associated with offset sweep fittings per SDD 7.22.

SDD 7.20 STANDARD HDPE TRACER WIRE VALVE BOX
Set valve box ½-IN below finished grade, rather than within a tolerance range of ¼-IN to ½-IN.

SDD 7.21 CASING SPACERS
Revised for spelling/grammar.

SDD 7.22 OFFSETTING EX WM UNDER UTILITY CONFLICTS
Revised for spelling/grammar.

SDD 7.28 – 7.42 WATER UTILITY METER INSTALLATION DETAILS (MULTIPLE)
Revise standard meter installation details for meter clearance and straight-pipe requirements.
Owner/Plumber to furnish specified meter couplings, flanges, bolts, gaskets etc.
Clarify meter location requirements in relation to entry point of building.
Improve clarity and consistency, revise spelling/grammar throughout entire meter detail set.

DELETED
NONE