

SUMMARY OF PUBLIC WORK STANDARD SPECIFICATION REVISIONS – 2021

STANDARD SPECIFICATIONS

107.16 Maintain Residential Driveway Access

Include bid item to maintain residential driveway access identified in the contract documents and those locations added by the Engineer. Specification for commercial driveways will remain unchanged.

202.2(f) Topsoil

Topsoil spec is revised as follows: Specified that “shredded” topsoil on public-facing areas could also be “pulverized.” Added a new type of topsoil, “Planting Mix Topsoil” that can be used for special planting areas, i.e. terraces residents wish to plant in natives.

207.2(a) Seeding

Seeding is revised as follows: Clarified that “Detention Basin” mixes should be used for the bottoms of infiltration basins, and added a mix for infiltration basin sides that doubles as a tallgrass prairie mix. Added an “aggressive” native seed mix option. Updated the woodland seed mix. Added a “Shortgrass Prairie Seed Mix” that can be used for dry areas or areas where height is a concern (i.e., could be referred to by residents wishing to plant terraces in natives).

207.3(g) Seeding

Seeding times are amended as follows: Updated seeding times for native seed mixes. Updated hand-seeding requirements for native seed mixes.

207.3(g) Seeding

Native planting maintenance is created: Created a new section with guidelines (no requirements) contractors can refer to as they create “Vegetation Maintenance Plans.” We are getting a lot of questions from contractors on newer sites where we are requiring a “Vegetation Maintenance Plan.”

305.2 Remove & Replace 5 Inch Concrete Sidewalk-Sidewalk Replacement Program; Remove & Replace 7 Inch Concrete Sidewalk & Drive-Sidewalk Replacement Program.

Clarified removal of material for placement of crushed stone.

305.3 Remove & Replace Concrete Steps-Sidewalk Replacement Program.

Clarified removal of material for placement of crushed stone.

305.5 Remove & Replace Concrete Curb & Gutter-Sidewalk Replacement Program.

Clarified removal of material for placement of crushed stone.

402.4 Asphalt Tack Coat.

Tack coat shall have ‘h’ designation.

404.2 9-inch, 10-inch, 11, inch, 12-inch Concrete Pavement

Revised section for placement of new concrete pavement to include section on placement, method of measurement and basis of payment.

404.5 Concrete Pavement Reconstruction
Typo.

502.1(f) Utility Trench Patches
Type I patch: Clarified gravel is included in this detail. Type III patch: Gravel is 12 inches vs 9 inches. Type IV patch: Gravel thickness is 12 inches. This matches SDD 5.2.4
Plates shall be installed flush with the pavement unless otherwise approved by the Engineer.

504.3f Box Culverts
This section was deleted and is now in section 505.

505.1 Box Culverts
Moved language from 504.3f to 505.1 so Box Culvert specifications are included in one section.

505.2(a) Box Culverts.
A box culvert structural design is required for this bid item and shall be the responsibility of the contractor to provide upon approval of any materials by the City Engineer or their designee. All material submittals must be approved and stamped by a professional engineer licensed in the State of Wisconsin.

505.2(b) Box Culverts
Shall be revised to fix a discrepancy in box joint materials. All box culvert joint materials shall be required in accordance with 505.3(a)

505.3 Box Culverts
Revised language on construction methods.

507.3(d) Sewer Structures
Sewer Connections – New Pipe Connections - shall be revised to specify concrete collars or Kor-N-Seal or approved prefabricated connections will be allowed.

602.3(e) Construction Methods - Pull Wire
Add: Splicing wire at each access point.

602.5(c) Electrical Trench – Basis of Payment
Include fill & restoration in trench price.

702.3.1 – DUCTILE IRON PIPE
Include domestic material requirement for specified pipe products. Specify bonding straps are rated for at least 500 amps. Conductive-tip gaskets remain for slip joint pipe, not MJ connections.

702.3.2 – POLYETHYLENE ENCASEMENT
Polywrap shall be three layer polywrap with antimicrobial and corrosion inhibitors, V-Bio or equal.

702.4.1 – MECHANICAL JOINT FITTINGS
Require conductivity to be established across fittings or mechanical joints by either field welded or mechanically connected bonding straps.

702.4.5 – SOLID REPAIR SLEEVES
Require conductivity to be established across solid repair sleeves by either field welded or mechanically connected bonding straps.

702.5.2 – SADDLES
Edit approved product list. Added multiple saddle products intended to accommodate new taps.

704.4 – HORIZONTAL DIRECTIONAL DRILL PIPE
If pre-installation pressure testing of HDPE is elected to be done, it must be done hydrostatically.

704.6 – FURNISH & INSTALL WATER VALVE

Require conductivity to be established across valves by either field welded or mechanically connected bonding straps.

704.7 – FURNISH & INSTALL HYDRANT / SALVAGE EXISTING HYDRANTS

Require conductivity to be established between hydrant assembly and distribution system mains by field welded bonding straps.

704.9 – FURNISH & INSTALL WATER SERVICE LATERALS

Correction of existing typos and convert curb rod depth-to-surface allowance from 4-FT to 3-FT.

704.17 – FURNISH & INSTALL INSULATION

Convert measurement unit from LF to EACH, for each 4-FT by 8-FT sheet of insulation installed.

704.9 – FURNISH & INSTALL CURB BOX

Convert curb rod depth-to-surface allowance from 4-FT to 3-FT.

BID ITEMS

New Items

10770 Driveway Access

Revised Items

70101 – FURNISH AND INSTALL INSULATION

Convert unit from LF to EACH.

Deleted Items

60412 CONSTRUCT TYPE "M" BASE

DETAIL DRAWINGS

NEW DETAILS

SDD 2.10 TERRACE RAIN BASIN

New Detail.

SDD 2.11 BOUNDARY MAKER

This detail is used to delineate private property and City of Madison property (namely outlots)

SDD 5.5.3 CULVERT WINGWALL RAILINGS

New detail for railings at wingwalls.

SDD 5.7.13A CURB OUTLET STRUCTURE NO FLOOR

REVISED DETAIL

SDD 2.09 RAINGARDEN & BIO-RETENTION

Raingarden detail is revised for multiple small corrections

SDD 5.2.4 PAVEMENT PATCH

Type I patch: clarify gravel is included in price of patch.

SDD 5.5.1 BOX CULVERT WINGWALL

This was removed in 2020 but this detail will be available moving forward.

SDD 5.7.2 SANITARY SEWER PRECAST SAS

Detail will be revised to remove steps

SDD 5.7.3 STORM SEWER FIELD POURED SAS AND CATCHBASINS
Detail will be revised to decrease amount of concrete at the bottom of the structure from 12" to the flowline of the pipe

SDD 5.7.5 STORM SEWER PRECAST SAS (Through Section View)
Detail will be revised to remove steps

SDD 5.7.6 STORM SEWER PRECAST SAS (Top View)
Detail will be revised to remove steps

SDD 5.7.13 CURB OUTLET STRUCTURE SOLID FLOOR
Title change. Revised structure depth requirement.

SDD 6.09 CONDUIT PLACEMENT DETAILS FOR COMMERCIAL DRIVE APPROACH
Change PVC size, min/max distance for PVC elbow from driveway and remove rebar.

SDD 6.10 TYPE "P" CONTROLLER BASE DETAIL
Remove Type M base details.

SDD 7.10 SERVICE LATERAL INSTALLATION
Adjust allowable maximum depth from rod to final grade (from 4-FT to 3-FT).
Include clarifying information to depict requirements for various service bid item requirements.

SDD 7.22 OFFSETTING EXISTING WATER MAIN UNDER UTILITY CONFLICTS
Minor typo revisions and clarifications.

SDD 7.28 – 7.41 WATER UTILITY STANDARD METER INSTALLATION DETAIL DRAWINGS
Minor revisions to eliminate some plastic piping and valves within standard meter-set areas.

DELETED DETAILS
NONE