

SUMMARY OF PUBLIC WORK STANDARD SPECIFICATION REVISIONS – 2024

STANDARD SPECIFICATIONS

Article 101 – Definition and Terms

Defined the term: Contract

Defined the term Holiday: Holiday. City holidays when no work is allowed. New Year's Day, Martin Luther King Jr. Day, Memorial Day, Juneteenth, Fourth of July, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, Christmas Eve Day, Christmas Day, and New Year's Eve Day.

103.3 Execution of Contract and Bond.

Revised language for routing of contracts through City of Madison.

Revised sections so they are gender neutral

- 104.1 Lands for Work
- 105.10 Conformity with Plans and Specifications
- 107.4(f) Subcontractor's Insurance
- 107.10 Opening of Section of Highway to Traffic
- 107.13(b)5 Curb Excavation and Installation
- 107.13(c)5 Sidewalk Excavation and Installation
- 108.2 Permits and Licensing
- 109.13(b) Cancellation
- 201.2(d) Finish Grading
- 203.2(a) Removing Structures
- 209.2(b)4 Plant Materials
- 301.10 Concrete Waste Management
- 305.1 Sidewalk Replacement Program General
- 403.1 Resurfacing General
- 501.3(b) Sanitary Sewer Gravity Main
- 501.3(c) Sanitary Sewer Force Main
- 502.1(c) Type II Dewatering [2 locations]
- 503.3(f)2 New Pipe to Existing Pipe
- 508.1(a) Utility Line Opening
- 509.5(d) Structural Requirements: Cured-in-Place Pipe (CIPP)
- 509.6(c)5 Reinstatement of Service Connections

107.17 Utility Coordination

New Section

201.2e Geosynthetic Reinforcement Fabric

New Section

201.3d Terrace Excavation For Tree Planting

New Section

207.3(e) Watering.

Update U.S. Drought Monitoring website link:

<https://droughtmonitor.unl.edu/>

301.1c Colored Concrete

New Section

301.1d Stamped & Colored Concrete
New Section

303.2(b) Forms.

Sidewalk forms shall be of steel construction and have a vertical height matching the thickness of the concrete specified.

303.2d Joints

Clarified thickness of expansion joint material. This now matches SDD for sidewalks.

304.1a Split Block Retaining Wall
New Section

Article 409 – Mill & Overlay/Patching Criteria

503.2(d) Poly (Vinyl Chloride) Pressure Pipe.

Update to allow C900 fittings on pressure pipe laterals. Wyes still need to be ductile.

503.3(b) Laying Pipe

A flexible watertight connections or a concrete collar may be used for Type II pipe connections to storm structures as detailed in Standard Detail Drawing 5.7.31, Flexible Pipe to SAS Connector.

A flexible watertight connections shall be used for plastic sanitary sewer pipe connections to structures as detailed in Standard Detail Drawing 5.7.31, Flexible Pipe to SAS Connector.

507.3(D)2. SEWER CONNECTIONS

Where a new public TYPE II or III storm pipe is being connected into new precast concrete structure the contractor may provide either a concrete collar or a Kor-N-Seal or approved prefabricated connection to connect the new pipe to new structure as detailed in Standard Detail Drawing 5.7.31, Flexible Pipe to SAS Connector.

602.1 Underground Distribution Systems - General.

Add: Furnish and install fiber optic fusion splice and loop detector wire.

602.2(b) Electrical Conduit.

Add: Furnish and install 10 AWG for PVC Conduit installed.

602.2(d) Traffic Signal Cable

Add: Furnish and install 10 AWG for conductors.

602.2(e) Fiber Optic Cable

Add: Language for fiber optic fusion splice per location.

602.2(g) Loop Detector Wire

New: Materials required to furnish and install loop detector wire.

602.3(g) Fiber Optic Cable

Add: Construction Methods for fiber optic fusion splice per location.

602.3(i) Loop Detector Wire

New: Construction Methods required to furnish and install loop detector wire.

602.4(d) Fiber Optic Cable

Add: Measurement and Payment for fiber optic fusion splice per location.

602.4(f) Loop Detector Wire

New: Measurement and Payment to furnish and install loop detector wire.

605.1 General.
Remove: 3:00am circuits from language.
Add: Splice in handhole.

605.2(a) Construction Methods.
Remove: Tail of #4 wire from ground rod to pole.

702.4.2 Mechanical Joint Restraints – SIP Industries EZ Grip is included

702.5.1 Service Laterals - Allow rolled copper for 1 ½ and 2 inch

704.5 Furnish and Install Casing – Adding Cascade casing spacers as an approved material.
Model CCS. Also require end seal on casing.

704.7 Furnish and Install Hydrant – Require a Two-piece operating nut with weather shield.

704.31 Connect to Existing Water Mains – Add additional language to include installing a Galvanic Anode for large service connections to existing water mains where applicable.

BID ITEMS

New Items

20110, TERRACE EXCAVATION FOR TREE PLANTING (C.Y)
20141, GEOSYNTHETIC REINFORCEMENT FABRIC (S.Y.)
20851, SEED DROUGHT WATERING (STA)
40103, CRUSHED AGGREGATE BASE COURSE, GRADATION NO. 3 (TON)
30301, 4 INCH CONCRETE SIDEWALK (S.F)
30303, 6 INCH CONCRETE SIDEWALK & DRIVE (S.F)
30348, COLORED 4-INCH CONCRETE (S.F.)
30349, COLORED 5-INCH CONCRETE (S.F.)
30350, COLORED 6-INCH CONCRETE (S.F)
30351, COLORED 7-INCH CONCRETE (S.F.)
30352. STAMPED AND 4-INCH COLORED CONCRETE
30353. STAMPED AND 5-INCH COLORED CONCRETE
30354. STAMPED AND 7-INCH COLORED CONCRETE
30355. STAMPED AND 6-INCH COLORED CONCRETE
30356. STAMPED AND 7-INCH COLORED CONCRETE

60281, FURNISH AND INSTALL LOOP DETECTOR WIRES 6X6, EACH
60282, FURNISH AND INSTALL LOOP DETECTOR WIRES 6X10, EACH
60283, FURNISH AND INSTALL LOOP DETECTOR WIRES 6X14, EACH
60284, FURNISH AND INSTALL LOOP DETECTOR WIRES 6X20, EACH
60285, FURNISH AND INSTALL LOOP DETECTOR WIRES BIKE 3X6, EACH
60310, FIBER OPTIC FUSION SPLICE - 1 TO 12 PER LOCATION, EACH
60311, FIBER OPTIC FUSION SPLICE - 13 TO 24 PER LOCATION, EACH
60312, FIBER OPTIC FUSION SPLICE - 25 TO 48 PER LOCATION, EACH
60313, FIBER OPTIC FUSION SPLICE - 49 TO 72 PER LOCATION, EACH
60314, FIBER OPTIC FUSION SPLICE - 73 TO 96 PER LOCATION, EACH
60315, FIBER OPTIC FUSION SPLICE - 97 TO 144 PER LOCATION, EACH
60316, FIBER OPTIC FUSION SPLICE - > 144 PER LOCATION, EACH

Revised Items

~~30301~~, change to 30302 5 INCH CONCRETE SIDEWALK (S.F) (revised number only)
~~30202~~, change to 30304 7 INCH CONCRETE SIDEWALK & DRIVE (S.F) (revised number only)
~~30303~~, change to 30305 COMMERCIAL DRIVE OPENING (S.F) (revised number only)
40102 CRUSHED AGGREGATE BASE COURSE, GRADATION NO. 2 (TON) (revised name only)

~~40103~~, change to 40104 CRUSHED AGGREGATE BASE COURSE, GRADATION NO. 4 (TON) (revised number only)

~~40104~~, change to 40105 CRUSHED AGGREGATE BASE COURSE, GRADATION NO. 5 (TON) (revised number only)

60511, INSTALL AND MAINTAIN AERIAL CABLE FOR STREET LIGHTS, L.F.

Deleted Items

NONE

DETAIL DRAWINGS

DELETED DETAIL

NONE

NEW DETAIL

SDD 2.17 TREE PROTECTION ZONE

New Detail

REVISED DETAILS

SDD 2.02 Updating the Grate Tree Planting Detail Drawing

We have crossed out the lines that are not applicable and replaced with the red type the updated version. These changes reflect the exact way our Forestry crews have been planting trees and how we have directed contractors to install street trees within a grate.

SDD 4.05 TYPICAL SECTION WITH UNDERDRAIN

Noted open graded base course, geotextile fabric,wrap is incidental to underdrain

SDD 5.7.2 SANITARY SEWER SAS

Require upper core of outside drop to be field cored and payable as a sanitary tap.

SDD 5.7.30 INSIDE DROP FOR SANITARY MAIN & LATERAL

Require core of inside drop to be field cored and payable as a sanitary tap.

SDD 5.7.31 FLEXIBLE PIPE TO SAS CONNECTOR

Flexible, watertight connections or concrete collars will be allowed at structures and inlets for all storm sewer pipe types, unless specified by the Engineer.

SDD 6.11A TYPE "GR" BASE DETAIL

Add: Base bolt extension.

SDD 6.14 LB-3 BASE DETAIL

Add: Base bolt extension.

SDD 6.19 LB-8 BASE DETAIL

Add: Base bolt extension.

SDD 6.14A LB-3R BASE DETAIL

Add: Base bolt extension.

SDD 6.19A LB-8R BASE DETAIL

Add: Base bolt extension.

SDD 7.05B PRESSURE REDUCING VALVE STRUCTURE

Revised Detail