

## SUMMARY OF PUBLIC WORK STANDARD SPECIFICATION REVISIONS – 2015

### 102.10 Payroll Records

The first payroll records are due when payment reaches 25% of the contract or the second pay request is submitted whichever comes first.

### 107.2 Protection and Restoration of Property and Property Monuments

Added language to reinforce the protection of buildings on private property including from the effects of vibration.

### 107.4(i) Insurance for the Construction of Buildings

Clarified the amount of the Builders Risk Insurance carried and maintained by the City of Madison

### 109.2 Prosecution of the Work

No work shall be allowed on holidays unless approved by the Engineer.

### 109.9 Liquidated Damages

The rate of liquidated damages was last revised in 2011. Added language to reduce the rate of liquidated damages provided the project is surface paved, the only remaining work is restoration and acceptable progress is maintained to complete the project.

### 202.2(f) Topsoil

Topsoil used in street terraces and on the property side of sidewalk shall be shredded.

### 203.2(d) Disposing of Materials

Added information on asbestos pipe removal.

### 210 Erosion Control

Revised article to match WDNR conservation practice standards. All City specifications and standard details reference WDNR.

### 301.10 Concrete Waste Management (Construction Methods)

Concrete waste slurry shall be contained to limit travel distance of the waste. Removed "and prevent its entry into storm sewer inlets" because all waste needs containment even if the waste does not reach an inlet.

### 303.2(o) Tree Grates

Changed the requirement for a traffic barrel vs. a traffic cone to be placed over a tree grate when the tree will not be planted immediately.

### 402.1 Materials for Asphalt Construction

PG58-28 shall be used for E-0.3, E-1 and E-3 mixes and PG64-22 for E-10 mixes unless otherwise specified in the contract special provisions.

### 403.16 Adjust Valve Casting, Method #1 - Resurfacing, Adjust Valve Casting, Method #2 - Resurfacing, Install Adjustable Water Box, Method #3 – Resurfacing

Screw type adjusting valve castings are now required to be furnished by the Contractor.

### 403.21 Remove and Replace Curb & Gutter - Resurfacing

Added bid item 40382 to the description which is for special curb & gutter which shall have a special provision in the contract.

### 404.5 Concrete Pavement Reconstruction

Corrected a standard detail that is referenced in this section. 5.2.3 was referenced and it should be 5.2.4

### 503 & 504 Electronic Marker Balls

Clarify and organize the various sections relating to Electronic Marker Balls

501.6(c) Sanitary Sewer Access Structures  
Added language to clarify Rebuild Bench & Flowline work.

507.2(b) Sewer Access Structures  
Revised casting numbers to reflect Neenah update.

507.3(c) Castings  
Removed option for rubber with metal band chimney seals.

507.3(e) External Sewer Access Structure Joint Seal  
Added specification for external joint seal.

507.4 Measurement and Payment  
Added 507.4(g) for payment of external joint seal.

508.1(a) Utility Line Opening  
Revised language for ULOs to identify top, bottom and width of any utility package exceeding one foot in any dimension.

703.1 Trench Excavation  
Revise trench width requirements to allow for the use of trench boxes or similar trench protection measures. Removal of 10-in or smaller abandoned utilities will be considered incidental.  
Fix numbering error in Section 703 beginning in this section.

703.8 Water Main Shutoffs  
Clarify the notification requirements to ensure separate notices are provided to all affected addresses, all street facing doors and all units.  
Placing terrace notice signs may also be required and would be furnished by MWU and placed by the Contractor.

Outages  
Require curb stops or valves to be shut prior to reconnecting any services 1.5-in and larger and at any properties without exterior hose bibs.  
Add clarifying language for PO side plumbing/service issues & responsibilities. The Contractor will remain responsible for damages as a result of a service outage.

703.9 Copper Service Laterals  
Add clarifying language for handling unexpected lead service discoveries.  
Add 18-in separation distance requirement between service taps or service-to-fitting.

703.12 Testing  
Set a maximum distance of 1,200-ft for pressure tests.

704.3 Furnish & Install Pipe & Fittings  
Prohibit the use of flexible plastic tubing at temporary flushing blow-off taps.  
Add pricing for additional 10-in fittings.  
Clarify fitting counts – caps and plugs are to count as ¼ fitting.

704.4 Horizontal Directional Drill Pipe  
Require mechanically connected end-seals prior to proceeding with pulling pipe.  
Valve boxes to terminate tracer wire are to be considered incidental to HDD installation.

704.5 Furnish & Install Casing  
Remove the word “steel” from specification and bid items.

704.7, 704.18 Furnish and Install Hydrant, Abandon Hydrant  
Elimination of the Abandon Hydrant bid item and including that work as part of the new hydrant installation item.

704.09 Furnish & Install Water Service Lateral  
Convert method of measurement from LF to EACH.

704.11 Extend and Reconnect Service Lateral  
Convert method of measurement from LF to EACH. Now to include disconnect/reconnect item.

704.13 Select Fill – Sand for Water  
Eliminate Select Fill – Sand for Water bid item. Select fill will be considered incidental to the associated installation items.

704.32 Abandon Existing Curb Box  
Adjust the set pricing value for curb box abandonments and reduce depth of abandonment to 2-ft.

### BID ITEMS

#### Deleted Items

21035	INLET PROTECTION, TYPE C MODIFIED – COMPLETE	EACH
21036	INLET PROTECTION, TYPE C MODIFIED - PROVIDE & INSTALL	EACH
21037	INLET PROTECTION, TYPE C MODIFIED – MAINTAIN	EACH
21038	INLET PROTECTION, TYPE C MODIFIED – REMOVE	EACH
21045	INLET PROTECTION, TYPE D MODIFIED – COMPLETE	EACH
21046	INLET PROTECTION, TYPE D MODIFIED - PROVIDE & INSTALL	EACH
21047	INLET PROTECTION, TYPE D MODIFIED – MAINTAIN	EACH
21048	INLET PROTECTION, TYPE D MODIFIED – REMOVE	EACH
40383	REMOVE AND REPLACE CONCRETE CURB & GUTTER, MACHINE PLACED, TYPE 'D' OR 'G' - RESURFACING	EACH
50401	12 INCH STORM SEWER PIPE	L.F.
50402	15 INCH STORM SEWER PIPE	L.F.
70040	FURNISH & INSTALL HYDRANT	EACH
70056	EXTEND AND RECONNECT 1-INCH SERVICE LATERAL	LF
70057	EXTEND AND RECONNECT 1 ½ -INCH SERVICE LATERAL	LF
70058	EXTEND AND RECONNECT 2-INCH SERVICE LATERAL	LF
70059	DISCONNECT / RECONNECT 1-INCH SERVICE LATERAL	EACH
70060	DISCONNECT / RECONNECT 1 ½ -INCH SERVICE LATERAL	EACH
70061	DISCONNECT / RECONNECT 2-INCH SERVICE LATERAL	EACH
70070	SELECT FILL – SAND FOR WATER	TF
70091	ABANDON HYDRANT	EACH
70092	ABANDON WATER VALVE ACCESS STRUCTURE	EACH

#### New Items

20315	REMOVE PIPE - ASBESTOS	L.F.
40383	REMOVE AND REPLACE CONCRETE CURB & GUTTER, SPECIAL - RESURFACING	EACH
50401	6 INCH STORM SEWER PIPE	L.F.
50402	8 INCH STORM SEWER PIPE	L.F.
50403	10 INCH STORM SEWER PIPE	L.F.
50404	12 INCH STORM SEWER PIPE	L.F.
50405	15 INCH STORM SEWER PIPE	L.F.
50795	PRIVATE STORM SEWER LATERAL	EACH
70040	FURNISH, INSTALL AND SALVAGE HYDRANT	EACH
70056	RECONNECT 1-INCH SERVICE LATERAL	EACH
70057	RECONNECT 1 ½ -INCH SERVICE LATERAL	EACH
70058	RECONNECT 2-INCH SERVICE LATERAL	EACH
70091	ABANDON WATER VALVE ACCESS STRUCTURE	EACH

## DETAIL DRAWINGS

SDD 1.01 Silt Fence – DELETE  
Covered in WDNR std 1056

SDD 1.03 Erosion Bales – DELETE  
Covered in WDNR std 1055

SDD 1.04 Type C Inlet Protection – DELETE  
Covered in WDNR std 1060

SDD 1.06 Type D Inlet Protection – DELETE  
Covered in WDNR std 1060

SDD 1.09 Silt Sock – DELETE  
Covered in WDNR std 1071

SDD 1.11 Inlet Protection Type D Hybrid – DELETE  
Covered in WDNR std 1060

SDD 2.09 RAINGARDEN & BIO-RETENTION DETAIL  
Deleted SDD 5.4.13. Included that information in SDD 2.09

SDD 3.02 MADISON STANDARD CURB CUT DETAILS  
Commercial driveway information is included in this detail. SDD 3.09 was deleted.

SDD 3.03 CURB RAMPS  
Sidewalk has maximum cross slope of 1.5%. Curb opening has been widened from 5' to 6'

SDD 3.04 CURB RAMPS  
Sidewalk has maximum cross slope of 1.5%. Curb opening has been widened from 5' to 6'

SDD 3.06 MADISON STANDARD CONCRETE CURB & GUTTER  
Added typical section for Pedestrian Ramp.

SDD 3.07 MADISON STANDARD CONCRETE CURB & GUTTER  
Typical driveway section was revised so that the back slope matches the driveway slope.

SDD 3.09 COMMERCIAL DRIVE DETAIL  
Deleted and information included in SDD 3.02

SDD 3.14 BIKE RAMP CURB RAMP DETAIL  
Sidewalk has maximum cross slope of 1.5%

SDD 4.01 TYPICAL SECTION 32' WIDE STREET  
Sidewalk has maximum cross slope of 1.5%

SDD 4.02 TYPICAL SECTION VARIOUS WIDTH STREETS  
Sidewalk has maximum cross slope of 1.5%

SDD 4.03 TYPICAL SECTION BOULEVARD STREETS  
Sidewalk has maximum cross slope of 1.5%

SDD 5.1.3 SAS ACCESS ROAD TEMPORARY  
Added note for ditches as part of road.

SDD 5.1.4 SAS ACCESS ROAD PERMANENT - PARK  
Added "Park" in title for specific road within parks property and provided additional section for "No Ditch Option"

SDD 5.1.4A SAS ACCESS ROAD PERMANENT – FARM  
New SDD for agriculture land application.

SDD 5.4.4 RIPRAP AT APRON END WALLS  
Revised riprap placement and thickness note to reference standard specifications.

SDD 5.4.13 BIO-RETENTION DETAIL - DELETE  
Combine SDD 2.09 and SDD 5.4.13. RESERVE FOR FUTURE USE.

SDD 5.7.2 SANITARY SEWER PRECAST SAS  
Revised notes for new casting details and included wrapping as standard to installation.

SDD 5.7.15 SAS CHIMNEY AND CASTING DETAIL  
Revised to allow HDPE rings and require top adjustment with HDPE rings.

SDD 5.7.16 SAS FRAME & COVER  
Revised SDD to match Neenah R-1050 frame number with R-1550-0054 logo lid.

SDD 5.7.16a SAS LOCKING FRAME & LOGO COVER  
New SDD for locking frames.

SDD 5.7.17 SAS INTERNAL CHIMNEY SEAL  
Deleted use of internal flexible rubber sleeves as an acceptable product.

SDD 5.7.18 R-3067 FRAME  
Revised SDD to match new Neenah R-3067 frame.

SDD 5.7.39 & 5.7.39A SCREEN TREATMENT DEVICE  
Revised SDD to provide stainless steel mounting plate and remove casting number for manholes.

SDD 6.10 TYPE 'M' AND 'P' CONTROLLER BASE DETAIL  
Added the ground rod and ground wire and associated notes to the drawing

SDD 6.17 LB-6 BASE DETAIL  
Revised the base elevation note from "2 +/- 1/2" " to "TYPICAL ELEVATION SEE PLATE 6.01"

SDD 6.18 LB-7 BASE DETAIL  
Revised the base elevation note from "2 +/- 1/2" " to "TYPICAL ELEVATION SEE PLATE 6.01"

SDD 6.45 LB-9 BASE DETAIL  
Added the note "TYPICAL ELEVATION SEE PLATE 6.01"

SDD 7.01 (A) NEW SERVICE INSTALLATION & PRIVATE CONTRACT LATERALS  
Revised drawing to match current specifications. Revised title of SDD.

New SDD 7.01 (B) LOCATION OF WATER SERVICES  
Typical placement locations for water service laterals.

SDD 7.02 JOINT RESTRAINT (USING FRICTION CLAMPS & THREADED ROD)  
Revised drawing to include friction clamps. Revised title of SDD.

SDD 7.04 TYPICAL HYDRANT INSTALLATION  
Added typical placement information for terrace hydrants.

SDD 7.11 TYPICAL WATER PIPE TRENCH  
Remove "pipe + 24-inch" maximum pipe width limit in pipe zone note.