

SUMMARY OF PUBLIC WORK STANDARD SPECIFICATION REVISIONS – 2016

102.5 Bid Deposits

The City of Madison bid deposit form is required for all bids unless a Biennial Bid Bond is on file or check deposit is used.

102.9 Bidders Understanding

Added language on Tax Exempt status on public works contracts.

102.14 Ban the Box – Arrest and Criminal Background Checks (Sec 39.07, MGO)

New section on hiring practices by prequalified contractors. Application and interviews can't make inquires on arrest and conviction record. There are some exemptions.

107.4(i) Insurance for the Construction of Buildings and Structures

Changed from being carried by City to being the responsibility of the Contractor. Contractor is now required to carry Builders Risk insurance on all projects for the construction of Buildings and Structures, and remodeling projects where square footage is being added.

109.9 Liquidated Damages

Added language defining liquidated damages when driveway access is not restored in the required 20 days, working outside of 7a – 7p and working during peak hours.

110.6 Payment Withheld

Revised language that payments to sub contractors shall be made in a timely fashion.

204.3 Clearing and Grubbing Trees

Added station, square yard and lump sum as units of measurement.

207.2(c) Mulching Material.

Deleted the use of Asphalt material as mulching material.

210 Erosion Control

Deleted Erosion Control Implementation Plan
Added Dust Control, Turbidity Barrier & Silt Curtain
Inspections by contractor to include holidays.
Photos and video need to notate location.

211.2(a) Engineered Soil.

Deleted Topsoil from the Engineered Soil mixture.

401.1 Crushed Aggregate Base Course

Contractor is required to maintain a gravel surface throughout project.

402.2 Placing Asphalt Mixtures

Revised language on cold weather paving.

402.4 Asphalt Tack Coat

Added language on requirements for placing tack coat.

403.2 Grinding

Added language that removing ramping is included in the price for ramping SAS.

403.4 Undercut

Revised method of measurement from SY to CY.

403.12 Adjust Access Structure Casting – Resurfacing

Added language that limits adjustment to 9". If more adjustment is needed then the bid item will be Rebuild Access Structure Top – Resurfacing.

- 403.13 Adjust Catchbasin Casting – Resurfacing
Added language that limits adjustment to 9". If more adjustment is needed then the bid item will be Rebuild Access Structure Top – Resurfacing.
- 403.14 Adjust Inlet Casting Type 'H' – Resurfacing
Concrete is allowed vs mortar if engineer approves. Revised what work is included under this bid item.
- 403.15 Adjust Inlet Casting 'Tub' Type – Resurfacing
Concrete is allowed vs mortar if engineer approves. Revised what work is included under this bid item.
- 403.16 Adjust Valve Casting, Method #1-3 – Resurfacing
Contractor to furnish and install replacement valve box castings (top sections, and if necessary, mid sections) at all valve locations. MWU to furnish bottom sections, if necessary.
Delete reference to Sigma materials from Method 3; reference Part 7 for material requirements.
- 403.19 Rebuild Inlet – Resurfacing
Revised detail drawing to reference. 5.7.7 vs 5.711.
- 501.3 Storm Sewer Main Testing
Revised testing for non RCP pipe.
- 501.6(c) Sanitary Sewer Access Structures
Revised scope of work. Any work on the bench or flowline within six (6) inches of the inside wall shall be incidental to connecting the pipe to the SAS.
- 502.1d Bedding of Sewer Pipes
Revised bedding material. Revised hand backfill and compaction requirements.
- 504.2 & 504.3 Storm Sewer Materials
Revised pipe materials to include HP storm pipe.
- 507.2 Castings
Added approved equal castings
- 507.3 Construction Methods.
Revised private storm sewer reconnects & laterals. Added language that a core n seal boot or approved equal is required when connecting plastic pipe to new or existing concrete pipe or structure.
- 702.3.1 Ductile Iron Pipe
Field welding of conductivity bonding straps is permitted.
- 702.5.6 Curb Boxes
Valve boxes manufactured by East Jordan are listed as acceptable materials.
- 703.4 Excavation
Added new Sections: 703.4.4 – Trench Bottom, and 703.4.5 Bell Holes to align specifications with DIPRA installation recommendations for ductile iron pipe.
- 703.6 Backfilling and Compaction
Added new section for the placement and compaction requirements of pipe bedding material, Section 703.6.1 – Pipe Bedding and Cover.
- 703.9 Mechanical Joint Pipe and Fittings
Any "or equal" to Megalug Series 1100 Retainer Glands must be approved prior to acceptance.

- 703.10 Thrust Restraint
Concrete thrust blocking is required behind cut-in connections, tee branch connections and live-taps, in addition to the required MJ fitting restraint.
Concrete thrust blocking must be at least 2-ft thick over the required bearing area.
- 703.11 Polyethylene Encasement
Wrap the pipe with tape and tap through the tape instead of cutting the polywrap to tap the main.
- 703.14 Flushing
Flushing segments may not exceed 1,200-feet unless approved by Engineer.
Flushing must achieve a velocity of 2.5 ft/sec – provided table for discharge opening guidance.
- 703.15.1 Conductivity Testing.
Energized utility locating devices are now an acceptable method for conductivity tests.
- 704.4 Horizontal Directional Drill Pipe
Deleted the cast-in-place concrete collar requirement at HDPE to DI connections.
Do not connect DI pipe or fittings to the fused HDPE adaptor for at least 24-hours after pull-in.
Center the tracer wire valve box over the fused HDPE adaptor.
- 704.6 Furnish & Install Water Valve
Valve boxes manufactured by East Jordan are listed as acceptable materials.
Box covers/lids with ridges or grooves are not permitted, only smooth drop-in lids are permitted.
Set tolerance of $\frac{3}{4}$ " (any direction) for valve box centering over nut, matches new SDD 7.06.
- 704.7 Furnish and Install Hydrant / Salvage Existing Hydrants
Require concrete masonry block set under hydrant lead valve.
- 704.9 Furnish and Install Water Service Laterals
Set boxes 1-inch below grade when located in unpaved areas (formerly set flush).
Set boxes between flush and $\frac{1}{4}$ " below grade when located in paved areas (formerly set flush).
Tubular insulation is permitted when rigid board insulation is not feasible (tunneled laterals, etc).
- 704.10 Replace Service Lateral
Change method of measurement from "LF" to "EACH".
- 704.12 Cut-In or Connect-To Existing Water System
Concrete blocking is required behind all cut-in connections and tee branch connections.
- 704.13 Furnish Excavation and Ditch for Live Tap
Concrete blocking is required behind the live tap.
- 704.17 Furnish and Install Insulation
Tubular insulation is permitted when rigid board insulation is not feasible (tunneled laterals, etc).
- 704.22 Rock Excavation
Threshold of rock excavation during water main installation is 2 CY.
- 704.23 Removal of Excess Amounts of Boulders
Boulders up to $\frac{1}{2}$ CY are incidental to water main installation.
Boulders between $\frac{1}{2}$ CY and 2 CY may be considered for payment if approved by Engineer.
When authorized for payment, \$20/CY for $\frac{1}{2}$ -1 CY, and \$50/CY for 1-2 CY size (formerly \$6/CY).
Boulders over 2 CY will be considered Rock Excavation and will be paid under that Bid Item.

BID ITEMS

Deleted Items

20403 GRUBBING

I.D.

20404	GRUBBING	STA.
21001	EROSION CONTROL PLAN & IMPEMENTATION	LUMP SUM
50795	PRIVATE STORM SEWER LATERAL	EACH
70053	REPLACE 1-INCH COPPER SERVICE LATERAL	L.F.
70054	REPLACE 1 ½-INCH COPPER SERVICE LATERAL	L.F.
70055	REPLACE 2-INCH COPPER SERVICE LATERAL	L.F.
50401-50451	Deleted storm sewer pipe bid items.	

New Items

20403	CLEARING	SY
20404	CLEARING	LUMP SUM
20406	GRUBBING	I.D.
20407	GRUBBING	STA.
20408	GRUBBING	SY
20409	GRUBBING	LUMP SUM
21045	INLET PROTECTION, TYPE A – COMPLETE	EACH
21046	INLET PROTECTION, TYPE A – PROVIDE & INSTALL	EACH
21047	INLET PROTECTION, TYPE A – MAINTAIN	EACH
21048	INLET PROTECTION, TYPE A – REMOVE	EACH
21093	TURBIDITY BARRIER – COMPLETE	LF
21094	SILT CURTAIN – COMPLETE	LF
21095	INLET PROTECTION, TYPE B – COMPLETE	EACH
21096	INLET PROTECTION, TYPE B – PROVIDE & INSTALL	EACH
21097	INLET PROTECTION, TYPE B – MAINTAIN	EACH
21098	INLET PROTECTION, TYPE B – REMOVE	EACH
40358	PAVEMENT JOINT GRINDING	L.F.
50795	PRIVATE STORM SEWER RECONNECT, TYPE 3	EACH
50796	PRIVATE STORM SEWER LATERAL	EACH
50797	EXTERNAL SEWER ACCESS STRUCTURE JOINT SEAL	EACH
70053	REPLACE 1-INCH COPPER SERVICE LATERAL	EACH
70054	REPLACE 1 ½-INCH COPPER SERVICE LATERAL	EACH
70055	REPLACE 2-INCH COPPER SERVICE LATERAL	EACH
50401-50452	Added storm sewer pipe bid items.	

DETAIL DRAWINGS

SDD 3.02 MADISON STANDARD CURB CUT DETAILS
Clarified 6” of Crushed Gravel is required under drive aprons and sidewalks that are 7” thick.

SDD 3.06 MADISON STANDAD CONCRETE CURB & GUTTER
Added traffic circle mountable concrete curb & gutter.

SDD 3.14 BIKE/PED RAMP CURB RAMP DETAIL
Renamed detail drawing. Referenced SDD 3.06 for typical section through curb & gutter.

SDD 4.01 TYPICAL SECTION 32’ WIDE STREET
Removed redundant information.

SDD 4.03 TYPICAL SECTION BOULEVARD STREETS
Removed redundant information.

SDD 5.2.1 PIPE BEDDING AND BACKFILL
Text and spec change to bedding for storm pipes

SDD 5.2.1A PIPE BEDDING AND BACKFILL
Text and spec change for bedding

SDD 5.7.3 STORM SEWER FIELD POURED SAS AND CATCH BASINS
Added a concrete ring to casting

SDD 5.7.11 ADJUST TUB INLET
Renamed from Reconstruct to Adjust. Revised associated language in Section 403

5.7.15 SAS CHIMNEY AND CASTING
Revised so concrete is allowed for top adjusting ring

SDD 5.7.16A SAS LOCKING FRAME & LOGO COVER
Text changed to CLASS 35B

SDD 5.7.18 R-3067 FRAME
Text changed to CLASS 35B

SDD 5.7.31 FLEXIBLE PIPE TO S.A.S. CONNECTOR
Text change

SDD 6.12 LB-1 BASE DETAIL
Revised drawing.

SDD 6.45 LB-9 BASE DETAIL
Revised drawing.

Deleted Items

SDD 7.01 SERVICE INSTALLATION - PRIVATE CONTRACT
SDD 7.01A SERVICE INSTALLATION PRIVATE CONTRACT
SDD 7.01B LOCATION OF WATER SERVICES
SDD 7.02 STANDARD THREADED RODDING
SDD 7.03 STANDARD THRUST BLOCKING
SDD 7.03A STANDARD CONCRETE BLOCK THRUST RESTRAINT
SDD 7.03B GRAVITY BLOCK THRUST RESTRAINT FOR VERTICAL DOWN BENDS
SDD 7.03C ROD & CONCRETE BLOCK THRUST RESTRAINT FOR VERTICAL BENDS
SDD 7.04 TYPICAL HYDRANT INSTALLATION
SDD 7.05 TYPICAL STYROFOAM INSTALLATION
SDD 7.06A WATER METER PIT CONSTRUCTION
SDD 7.06B WATER METER PIT DIMENSIONS
SDD 7.06C WATER METER PIT CONSTRUCTION NOTES
SDD 7.07 WATER MAIN VALVE ACCESS STRUCTURE
SDD 7.08 STANDARD HDPE PIPE RESTRAINTS
SDD 7.09 CASING SPACERS
SDD 7.10 JOINT RESTRAINT LENGTHS FOR VERTICAL BENDS
SDD 7.11 TYPICAL WATER PIPE TRENCH
SDD 7.12 OFFSETTING EXISTING WATER MAIN UNDER UTILITY CONFLICTS

New Items

SDD 7.01 TYPICAL WATER PIPE TRENCH
SDD 7.02 (new) FIELD INSTALLATION POLYETHYLENE WRAP/TAPPING POLYETHYLENE WRAP
SDD 7.03 TYPICAL STYROFOAM INSTALLATION
SDD 7.04 TYPICAL HYDRANT INSTALLATION
SDD 7.05 WATER MAIN VALVE ACCESS STRUCTURE
SDD 7.06 (new) WATER VALVE BOX ALIGNMENT
SDD 7.07 (vacant - reserved for future use)
SDD 7.08 (vacant - reserved for future use)
SDD 7.09 LOCATION OF WATER SERVICES
SDD 7.10 SERVICE INSTALLATION - PRIVATE CONTRACT

SDD 7.11 (vacant - reserved for future use)
SDD 7.12 (vacant - reserved for future use)
SDD 7.13 STANDARD CONCRETE BLOCK THRUST RESTRAINT
SDD 7.14 GRAVITY BLOCK THRUST RESTRAINT FOR VERTICAL BENDS
SDD 7.15 ROD & CONCRETE BLOCK THRUST RESTRAINT FOR VERTICAL BENDS
SDD 7.16 JOINT RESTRAINT LENGTHS FOR VERTICAL BENDS
SDD 7.17 THREADED ROD - JOINT RESTRAINT
SDD 7.18 (vacant - reserved for future use)
SDD 7.19 (vacant - reserved for future use)
SDD 7.20 (new) STANDARD HDPE TRACER WIRE VALVE BOX
SDD 7.21 CASING SPACERS
SDD 7.22 OFFSETTING EXISTING WATER MAIN UNDER UTILITY CONFLICTS
SDD 7.23 (new) CLAY TRENCH PLUG
SDD 7.24 (vacant - reserved for future use)
SDD 7.25 (vacant - reserved for future use)
SDD 7.26 (vacant - reserved for future use)
SDD 7.27 (vacant - reserved for future use)
SDD 7.28 (vacant - reserved for future use)
SDD 7.29 (vacant - reserved for future use)
SDD 7.30 WATER METER PIT CONSTRUCTION
SDD 7.31 WATER METER PIT DIMENSIONS
SDD 7.32 WATER METER PIT CONSTRUCTION NOTES
SDD 7.33 (new) WATER METER ENCLOSURE
SDD 7.34 (new) YARD HYDRANT / DRINKING FOUNTAIN STANDARD INSTALLATION
SDD 7.35 (new) STANDARD 5/8", 3/4", 1" METER SET INSTALLATION
SDD 7.36 (new) STANDARD 1 1/2", 2" METER SET INSTALLATION
SDD 7.37 (new) STANDARD BADGER COMPOUND METER INSTALLATION
SDD 7.38 (new) STANDARD OMNI COMPOUND METER INSTALLATION
SDD 7.39 (new) STANDARD MAG METER INSTALLATION
SDD 7.40 (new) STANDARD BADGER TURBINE METER INSTALLATION
SDD 7.41 (new) STANDARD OMNI TURBINE METER INSTALLATION
SDD 7.42 (new) SEWER DEDUCT METER / WATER ONLY STANDARD INSTALLATION
SDD 7.43+ (vacant - reserved for future use)