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December 14, 2017

**NOTICE OF ADDENDUM  
ADDENDUM NO. 2  
CONTRACT NO. 7974**

**MONROE STREET ASSESSEMENT DISTRICT - 2018**

Revise and amend the contract document(s) for the above project as stated in this addendum, otherwise, the original document shall remain in effect.

**SPECIAL PROVISIONS:**

**ADD TO SECTION 105.12 COOPERATION BY THE CONTRACTOR:**

It is expected that archeologist oversight will be required at various locations within the project limits as part of the WRAPP, which will be obtained by the City prior to work. The Contractor shall coordinate work and scheduling the Archeologist, who will be contracted separately by the City, for review of the work in the required locations.

**REMOVE FROM SECTION 108.2 PERMITS**

The City of Madison has obtained a City of Madison Erosion Control Permit and has submitted a DNR WRAPP Water Resources Application for Project Permit (formerly known as Notice of Intent (NOI)) to obtain coverage under a Construction Site General Permit.

The Contractor shall meet the conditions of the permits by properly installing and maintaining the erosion control measures shown on the plans, specified in these Special Provisions, or as directed by the Construction Engineer or his designees. This work will be paid for under the appropriate contract bid items or, if appropriate items are not included in the contract, shall be paid for as Extra Work. A copy of the permit is available at the City of Madison, Engineering Division office.

**INSERT INTO SECTION 108.2 PERMITS**

The City of Madison will apply for and obtain a City of Madison Erosion Control Permit and a DNR WRAPP, Water Resources Application for Project Permit (formerly known as Notice of Intent (NOI)), to obtain coverage under a Construction Site General Permit. These permits will be obtained prior to construction.

The Contractor shall meet the conditions of the permits by properly installing and maintaining the erosion control measures shown on the plans, specified in these Special Provisions, or as directed by the Construction Engineer or his designees. This work will be paid for under the appropriate contract bid items or, if appropriate items are not included in the contract, shall be paid for as Extra Work. Copies of the permits will be made available at the preconstruction meeting.

**ADD TO SECTION 109.2 PROSECUTION OF WORK:**

If work continues beyond the stated completion date and cannot be completed before weather prevents work from proceeding further, the Contractor, at their cost, shall place temporary items as necessary to restore all lanes of traffic and open all intersections prior to leaving the site for the winter; this includes, as necessary, all temporary pavement, temporary pavement markings, maintenance of temporary signal & lighting poles, temporary sidewalk, bus pads and driveway aprons. If the curb and gutter has not been completed in some areas, the Contractor shall install a raised edge on any temporary pavement. If the pavement is binder only, Contractor shall install additional ramping along the curb edge and all manholes and inlets in order to provide gradual change of grade up to those elements to allow for plowing during winter without damage to newly installed items. Any damages that result during winter due to the final surface not being placed shall be repaired at the Contractor's expense. Contractor shall also ramp or install & maintain PVC drains in any low point areas where the edge of gutter is above the edge of pavement. Work shall then proceed immediately the following spring to complete the remaining items. Removal of temporary items shall be incidental to the installation of the temporary items.

**REMOVE SECTION 109.9 LIQUIDATED DAMAGES**

**INSERT SECTION 109.9 LIQUIDATED DAMAGES:**

The fixed, agreed, and liquidated damages due the City from the Contractor for failure to complete all work at either location with a specified interim completion date shall be \$1,500 per calendar day, per location. If all work is not completed at both locations by the interim completion dates, the amounts shall be summed for a total of \$3,000 per day.

The fixed, agreed, and liquidated damages due the City from the Contractor for failure to complete all work within the specified timeframe shall be \$3,000 per calendar day.

If the Contractor fails to complete all work by the completion date, the fixed, agreed and liquidated damages due to the City from the Contractor will be paid per the stated rate per calendar day until December 1, 2018. Following December 1, the damages due will be paid at the same rate per **working day** until such time that the work can no longer proceed due to weather. Once work commences the following spring, the fixed, agreed and liquidated damages will again be paid at the stated rate per calendar day.

**ADD TO SECTION 210.1(d) STREET SWEEPING**

Sweepers used on site to meet the requirements of this specification shall have the ability to collect debris, and pre-wet the pavement. Pre-wetting may be accomplished by a separate piece of equipment at the contractor's option. Equipment that simply brooms material into the air or directs it toward the terrace without physical collection of material shall not be considered adequate.

**ADD TO BID ITEM 40203 - HMA PAVEMENT TYPE E-3:**

As opposed to ramping the asphalt in low point areas to drain when only the bind layer of pavement has been installed, the Contractor may install a 2" PVC pipe, per S.D.D. 5.7.7A, to drain the pavement area low points to prevent water from ponding on the pavement while the edge of gutter is higher than the pavement edge. Prior to surface paving, fill all PVC drains with concrete, asphalt or mortar, as directed. Installation of the PVC drain shall be considered incidental to this item.

Where only a portion of the width of the roadway has been paved, either binder only or with surface, the Contractor shall saw cut the exposed edge of the pavement to provide a clean edge prior to paving the adjacent lanes. It is assumed that this will be required for the length of the project, but the final locations

of this required saw cut shall be determined the Construction Engineer.

**MODIFY ARTICLE 500 SEWER AND SEWER STRUCTURES GENERAL:**

*ADD TO SANITARY SEWER GENERAL:*

A Sanitary Sewer Tap shall include the connection of an existing lateral or main to a new structure. A coupling (SDD 5.3.3) shall be provided and used by the Contractor to connect the existing pipe to any new pipe that is required to make the connection to the structure as detailed in Standard Detail Drawing 5.7.31, Flexible pipe connection to SAS connector. Any new pipe required to complete the sanitary taps shall be considered incidental to the Sanitary Sewer Tap (Bid Item 50791). Downstream pipe connections are included with Sewer Access Structure and not paid for as a sanitary tap. If a proposed sewer access structure is smaller than the existing structure being replaced, additional pipe used to connect to the existing sanitary sewer shall be considered incidental to the Sewer Access Structure.

*REMOVE FROM STORM SEWER AND STRUCTURES GENERAL:*

Storm sewer pipe work shall include the installation of approximately 8950 feet of new storm sewer of various sizes and types.

*INSERT INTO STORM SEWER AND STRUCTURES GENERAL*

Storm sewer pipe work shall include the installation of approximately 9325 feet of storm sewer of various sizes and types.

**ADD TO BID ITEM 50801 – UTILITY LINE OPENING (ULO):**

The proposal contains an estimated quantity of ULOs. Additional ULOs may be required, or a quantity of ULOs may be deemed unnecessary, and, therefore, not performed. No change in price will be allowed for a change in quantities of ULOs.

**ADD SECTION 704.3.5 FURNISH & INSTALL PIPE & FITTINGS – BASIS OF PAYMENT**

(5) Contaminated soil and/or groundwater at water main depth is expected on Monroe Street at Lewis Court, Knickerbocker Street and Commonwealth Avenue. Plan sheets W-34, W-35 and W-36 show the expected areas of contamination and the required protective measures for proposed water main. Expect to install at least twelve clay trench plugs, one at each end of the extent of contamination. For any other areas where contamination is encountered, install clay trench plugs and fluorocarbon and/or nitrile gaskets where directed by the Engineer. Madison Water Utility will supply the required fluorocarbon and/or nitrile gaskets and will plug the weep holes on any hydrants within the limits of any contamination. Clay trench plugs will be compensated under special bid item 90092.

**ADD TO BID ITEM 90034 - CONCRETE SEATWALL ON CONCRETE SLAB:**

The adjacent 7-inch concrete sidewalk shall be thickened per the details under the Concrete Seatwall on Concrete Slab. The thickening of the underlying concrete shall be considered incidental to the 7” Concrete Sidewalk, and will be paid under that bid item.

**ADD BID ITEM 90036 - CONCRETE SEATWALL:**

All work under this bid item shall be completed per the special provisions for Bid Item 90034 Concrete Seatwall on Concrete Slab and per Bid Item 90035 Concrete Seatwall with Back.

**ADD TO BID ITEM 90060 - ASPHALT REJUVENATOR:**

If conditions prevent the rejuvenator from being placed per the manufacturer’s requirements immediately following the installation of the asphalt pavement during the contract timeframe, the Contractor may

install the rejuvenator the following spring, once the conditions are suitable. All work to prepare the pavement for placement of the rejuvenator per the manufacturer's requirements shall be considered incidental to this bid item, which may include cleaning of the pavement or removal and replacement of pavement markings.

**REMOVE BID ITEM 90066 – 8' x 4' RCP 45 DEGREES PRECAST BEND**

**INSERT BID ITEM 90066 – 8' x 4' RCB ASTM C-1433 45 DEGREES PRECAST BEND**

*DESCRIPTION*

Where shown on the drawings, the Contractor shall provide an 8' x 4' RCB 45 Degree Precast Bend that meets ASTM C-1433 specifications. Field poured bends will not be an approved alternative for this bid item.

Where precast sections are combined to form a precast bend, adequate reinforcing from each section shall be exposed and tied together. A reinforced concrete collar shall then be provided around the entire perimeter of this joint. Collar shall be sized to provide a minimum of 2-inch coverage over all reinforcing and strength equivalent to the rest of the pipe section. The interior of the joint shall be finished smooth to match the interior of adjoining surfaces. Where the existing 8' x 3' storm box is connected to the proposed 8' x 4' RCB bend, the connection should match crowns and a field poured concrete wedge shall be provided at the bottom of the connection with #4 L bars spaced 12" center to center with a 6" separation from the inside of the RCB bend wall. A reinforced concrete collar shall be provided around the entire perimeter of this connection.

*METHOD OF MEASUREMENT*

8' x 4' RCB ASTM C-1433 45 Degrees Precast Bend shall be measured as each for the individual or multiple precast bend sections that are provided to the job site. Payment for installation is under bid item 90070.

*BASIS OF PAYMENT*

8' x 4' RCB ASTM C-1433 45 Degrees Precast Bend shall be paid for according to the unit price bid. Price bid shall include all materials, labor and equipment necessary to procure and provide the material to the job site.

**ADD TO BID ITEM 90067 – 7' X 7' STORM SAS**

*UNDER DESCRIPTION*

Roof reinforcement shall be installed approximately 3" clear from edges.  
Diagonal bars around the roof cutouts shall be #4 bars.

**MODIFY BID ITEM 90070 – 8' X 4' ASTM - C-1433 BOX CULVERT- INSTALLATION**

*UNDER DESCRIPTION*

*ADD:* Procurement of bends shall be paid under bid item 90066. Installation of provided bend(s) is included with this bid item.

*REMOVE:* 3) Those portions of the box culvert under the pavement structure backfill shall be in accord with SDD 5.2.1 & SDD 5.2.2. Provision and placement of backfill is included in the price of this bid item.

*INSERT:* 3) backfill shall be in accordance with SDD 5.2.1 & SDD 5.2.2. Provision and placement of

backfill is included in the price of this bid item.

## **MODIFY BID ITEM 90071 – STORM CONTROL PLAN & IMPLEMENTATION**

### *UNDER DESCRIPTION*

*REMOVE 1<sup>ST</sup> SENTENCE:* Work under this item shall include all work, materials, equipment, and incidentals required to control dry and wet weather flow in the storm sewer system during the reconstruction project.

*REPLACE WITH:* Work under this item shall include all work, materials, equipment, and incidentals required to control back water, dry and wet weather flow in the storm sewer system during the reconstruction project.

## **REMOVE BID ITEM 90073 – 3'X6' STORM SAS**

## **ADD TO BID ITEM 90083 and 90084 - WASTEWATER CONTROL-CITY, MMSD**

Contractor may be allowed to trench in by-passes as necessary for wastewater control as no above ground pipes will be allowed to cross lanes open to traffic. If the Contractor places the by-pass piping under the pavement or sidewalk, the Contractor shall patch the pavement or sidewalk as directed. Patching of by-pass trenches shall be considered incidental to this bid item.

## **ADD TO BID ITEM 90079 – PRECAST CONCRETE SIDEWALK PANEL**

The precast concrete sidewalk panel shall have a minimum thickness of 6”.

## **ADD BID ITEM 90092 – CLAY TRENCH PLUG**

### *Description*

This work consists of furnishing and installing clay trench plugs as specified below and as shown in the Standard Detail Drawing 7.23.

### *Materials*

Use select clay fill classified as CL or CH according to the Unified Soil Classification System. Allow a maximum clump size of 6 inches capable of being broken down with normal construction equipment to a size of 2 to 3 inches prior to compaction. Fifty percent or more of the soil particles by weight must pass the Number 200 sieve. Allow no rocks, stones, sticks, or other foreign objects greater than 2 inches.

### *Construction*

Construct per Standard Detail 7.23. Maintain proper moisture content to achieve specified compaction.

Install select clay fill in lift thicknesses as required to obtain the specified levels of compaction. Compact each layer of fill to the degree that no further appreciable consolidation is evidence under the action of the compaction equipment. Compact the material to a dry density of 90 percent of the maximum dry density as determined by the Modified Proctor test, or 95 percent of the Standard Proctor maximum dry density. Meet required compaction for each layer before the succeeding layer is placed. Place overburden material as soon as practical after completion of select clay fill placement to avoid drying and desiccation of select clay fill.

### *Method of Measurement*

Clay Trench Plug shall be measured by each clay trench plug that is acceptably completed.

*Basis of Payment*

Clay Trench Plug shall be paid at the contract unit price, which shall be compensation for work, materials, equipment and incidentals necessary to complete the work as described.

**ADD BID ITEM 90100 – INCENTIVE FOR COMPLETION OF WORK**

*Description*

This item shall include an incentive payment to the Contractor for completion of all work under this contract prior to 7:00PM on the stated completion date.

No extensions will be granted under any circumstances due to weather or as a result of coordination and/or scheduling with utilities. Per the Cooperation by the Contractor section, it will be the responsibility of the Contractor to coordinate work with all entities to meet the schedule of the project.

The incentive payment shall be paid at the rate of \$3,000 per calendar day for each day or portion thereof, of completion prior to 7:00 P.M. on November 16,2018. The maximum amount of incentive payment shall not exceed \$45,000.

*Method of Measurement*

Incentive for Completion of Work will be measured by the calendar day and will be paid for at the stated unit price per calendar day.

*Basis of Payment*

The unit price per day shall be compensation in full for completing the work as hereinbefore specified.

**PROPOSAL:**

Several items have revised quantities along with some item removals and additions to the proposal. See below for a summary of items that have been revised. Refer to the proposal for updated quantities.

**ITEMS:**

Action	Bid Item	Description
MODIFY	20303	SAWCUT BITUMINOUS PAVEMENT
MODIFY	20221	TOPSOIL
MODIFY	20313	REMOVE INLET
MODIFY	20314	REMOVE PIPE
MODIFY	20336	PIPE PLUG
MODIFY	20501	ADJUST SEWER ACCESS STRUCTURE
MODIFY	20503	ADJUST INLET
MODIFY	20701	TERRACE SEEDING
MODIFY	20801	SODDING

MODIFY	21063	EROSION MATTING, CLASS I, TYPE A - ORGANIC
MODIFY	50201	ROCK EXCAVATION
MODIFY	50211	SELECT FILL FOR STORM SEWER MAIN
MODIFY	50301	8" PVC SANITARY SEWER PIPE SDR-35/ SDR-26
MODIFY	50302	10" PVC SANITARY SEWER PIPE SDR-35
MODIFY	50357	COMPRESSION COUPLING
MODIFY	50401	12 INCH TYPE I RCP STORM SEWER PIPE
MODIFY	50403	18 INCH TYPE I RCP STORM SEWER PIPE
MODIFY	50410	42 INCH TYPE I RCP STORM SEWER PIPE
ADD	50418	14 INCH X 23 INCH TYPE I HERCP STORM SEWER PIPE
MODIFY	50741	TYPE H INLET
MODIFY	50792	STORM SEWER TAP
MODIFY	50793	PRIVATE STORM SEWER RECONNECT,TYPE 1
REMOVE	70106	ROCK EXCAVATION
MODIFY	90009	TEMPORARY PAVEMENT (UNDISTRIBUTED)
MODIFY DESCRIPTION	90066	8' x 4' RCB ASTM C-1433 45 DEGREES PRECAST BEND
MODIFY	90069	RIGID FRAME INLET PROTECTION-COMPLETE
ADD	90092	CLAY TRENCH PLUG
REMOVE	90073	3'X6' STORM SAS
ADD	90100	INCENTIVE FOR COMPLETION OF WORK

**PLANS:**

Numerous plan sheets have been revised, and, some sections in entirety have been revised. The following is a summary of changes on the plans. Revised sheets for this addendum indicate a revision date of 12-12-17 or 12-13-17.

Title Sheet: Updated sheet index and added storm sewer stamp/signature, and City Engineer signature.

EC1-EC24: Updated sheets to reflect design changes to City utilities, and relocated inlet protection to account for revisions or added inlet protection at locations previously not called out.

ST1-ST23: Updated labels and notes for consistency and legibility. Additional design changes as follows:

ST2: Depth of P-50.1 revised to avoid conflict with telephone. Added additional removals and a private storm connection

ST3: Added P-55C and P-58A

ST4: Revised elevation of P-63A & P-62A to avoid telephone conflict. Added P-65A

ST6: Additional private storm reconnection.

ST7: Additional private storm reconstruction (S-111)

ST8: Relocated S-122A & P-122A. Removed ULO-30

ST-8A: Relocated S-122A & P-122A. P-122A shown in profile.

ST-16: Additional info related to private connection at 1725 Monroe

ST-18: Relocated S-202. Clarified storm to remain. Added RP-77, and updated existing gas & ULO

ST-19: P-122A & S-122A relocated

ST-20: P-254 added to profile

ST-23: Added existing 12" to profile, and P-402 to profile

ST24-ST31: Changes reflected on schedules and indicated with asterisk and bold text

SS1-SS3: Added additional structure dimensions & details. Revised angle of screen, and added adjustment.

RT1-RT2: Revised pipe to 6" PVC, provided more detail. Added a cleanout.

BLT-1 Removed from sheet index and plan set.

BR1-BR4: Bioretention overflow structure and pipes revised and more detail provided. Schedule (BR4) updated to reflect changes in water quality details (SS, RT, and BR sheets).

RG1-RG2 added to plan set.

W1-W22: No changes were made to the proposed water main, but sheets were revised to properly reflect revisions to the storm sewer and sanitary sewer designs.

W34-W36: Added to the plan set. Sheets show locations of required protective measures for water main installed in areas of potential contamination.

E1 & E3: Notes for coordination of loop detector installation added.

E11: Revised to show modified storm sewer and locations relative to proposed electrical items.

### **INFORMATIONAL ITEMS ONLY:**

A list of questions from Contractors and answers, both from the pre-bid meeting and from outside the meeting is included with this addendum for reference purposes.



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An overall plan of the entire project is also included for reference purposes. This document is only to be used for informational purposes and may not be up-to-date with current plan revisions. The Contractor shall refer to the issued plans for the proposed design.

Supplemental soil borings along some of the side streets are provided.

A sheet with additional information on the MMSD sanitary sewer lines around the Arboretum is also provided.

Engineer's estimate updated to: \$15,710,000

Sincerely,

A handwritten signature in black ink, appearing to read "Robert Phillips". The signature is written in a cursive style with large, rounded letters.

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Robert F. Phillips, P.E.  
City Engineer

RFP:JMW