

GFA  
123 West Front Street  
Traverse City, Michigan 49684

Date: July 16, 2018

**ADDENDUM NUMBER 1**

<u>PROJECT</u>	<u>BIDS DUE</u>
GFA Project No: 18112	Date: July 25, 2018 Time: 10:00 AM Location: Charter Township of Union 2010 S Lincoln Road Mt Pleasant, MI 48858

The Addendum is issued prior to the receipt of bid proposals to amend the Contract Documents as follows. Bidders shall acknowledge receipt of this addendum by means of a handwritten note on the Bid Schedule.

Section 01270 – Measurement and Payment

The Section shall be stricken in its entirety and replaced with the attached document.

This Addendum No. 1 becomes part of the Contract Documents as of this date and supersedes the information in the originally issued Contract Documents where applicable. The Contractor shall acknowledge receipt of the Addendum in the Bid Schedule included with his/her bid.

## SECTION 01270 – MEASUREMENT AND PAYMENT

### PART 1 - GENERAL

#### 1.01 SUMMARY

- A. Refer to Article of the General Conditions.
- B. Bid price includes all labor, tools, equipment, materials, transportation, applicable fees, and sales tax necessary to complete the work in accordance with the Plans and Specifications. In addition, where applicable, all traffic control, excavation, dewatering, stone bedding, backfilling, density, tight sheeting, thrust blocks, and all accessories and related work not paid for separately in order to complete the installation according to the plans and specifications.
- C. All measurement and payment will be based on completed work, ready for use, performed in strict accordance with the Plans and Specifications.
- D. Owner reserves the right to delete any line item or quantity on the Bid Schedule.
- E. All work shall conform to all applicable OSHA standards.

#### 1.02 APPLICATION FOR PAYMENT

- A. Pay period: Begins on the 1st of the month and continues through the end of the month.
- B. Payment requests shall be submitted on the forms included in the Specifications and shall be submitted as determined at the Pre-Construction Meeting.

#### 1.03 SUBMITTALS

- A. Submit Conditional Partial Waiver of Lien with each application for payment request, as specified in the General Conditions paragraph 14.2.
- B. Prior to the first partial payment, submit a construction progress schedule in accordance with Article 2.05.B.1 of the General Conditions.

#### 1.04 PAY ITEM DESCRIPTIONS

- 1. Mobilization: The completed work for mobilization will be paid for at the contract lump sum (LS) price. This payment shall be payment in full for equipment and material delivery, transportation and storage, bonds, insurances, all coordination with the ICRC, Township, Engineers, and public and all other labor and materials.
- 2. Traffic Control: The completed work for traffic control will be paid for at the contract lump sum (LS) price. This payment shall be payment in full for temporary signage, flagging, re-routing of traffic, temporary closures, all coordination with the MDOT, ICRC, Township, Engineers, and public and all other labor and materials. The proposed traffic control to be implemented shall comply with 2012 MDOT Specifications.

3. Water Main, 12", C900 SDR 18: The completed work for the water main installation and testing, as shown on the plans and specifications, will be paid for at the contract unit price per linear foot (LF). Payment shall be based on the horizontal field measurements from the point of beginning (connect to existing), to the point where the new water main ends. In addition, payment shall also include, but not be limited to, all fittings, pressure testing, bacti, chlorination, clearing and grubbing, tree and/or landscape removal, all excavation, dewatering, backfilling, stone bedding, driveway concrete/ asphalt removal, road asphalt removal (as necessary), gravel driveway removal, culvert removal and replacement, silt fence & temporary soil erosion control measures, density of backfilled materials, labor, equipment, furnishing all materials, accessories and all related items not paid for separately necessary to complete the installation according to the plans and approved methods. (See Standard Details in the plans). Ten Percent (10%) of the water main payment shall be retained until the project is considered substantially completed. This percentage is based on water main only and is over and above the standard retainage for this project.
4. Water Main, Directional Drilled: The completed work for Directionally Drilled water main installation and testing of each size, as shown on the plans, will be paid for at the contract unit price per linear foot (LF), directionally drilled, as quoted in the specifications. Payment shall be based on the horizontal field measurements from actual transition fitting to the end of new water main or from termination point to termination point. The unit price for water main shall include all excavation, dewatering, stone bedding, backfilling, density, thrust blocks, connecting to gate valves & boxes and transition fittings, coordination an working around overhead utilities and light poles,, labor, equipment, furnishing materials, and all accessories and related work not paid for separately in order to complete the installation according to the plans and specifications. Ten Percent (10%) of the water main payment shall be retained until the project is considered substantially completed. This percentage is based on water main only and is over and above the standard retainage for this project.
5. Gate Valve and Box, 12": The completed work for installation and testing of gate valves and boxes of the size and type, as shown on the plans and detailed in the specifications, will be paid for at the contract unit price per each (EA). Payment shall be based on the actual quantity constructed of the size and type specified. Gate valves that are an integral part of another pay item shall not be counted separately as "gate valve and box", but shall be included as a necessary part of that other item. Ex.; meter manholes, blow off assemblies, tapping sleeve & valves, fire hydrants. Payment shall include, but not be limited to, all excavation, dewatering, backfilling, stone bedding, density of backfilled materials, labor, equipment, furnishing all materials, accessories and all related items not paid for separately necessary to complete the installation according to the plans and approved methods. Payment shall be based on the actual quantity constructed of the size and type specified. (See Standard Details in the plans).
6. Water Service Lead, 2": The completed work for water service lead, 2" shall be paid for at the contract unit price per each (EA). Payment shall include placement of the water service as coordinated with the property owner and DPW, pressure testing, 2" water service pipe, corporation stop, curb stop, flushing, and all fittings and accessories necessary to complete the connections according to the plans and specifications. The unit price shall include all excavation, dewatering, backfilling, stone bedding, density of backfilled materials, labor, equipment, furnishing all materials, accessories and all related items not paid for separately necessary to complete the installation according to the plans and approved methods. Placement of leads shall be coordinated with Township Engineer.

7. Fire Hydrant Assembly: The completed work for installation and testing of fire hydrant assemblies, as shown on the plans and detailed in the specifications, will be paid for at the contract unit price per each (EA). Payment shall be based on the actual quantity constructed. In addition, fire hydrant assemblies shall consist of a tee matching pipe size, fire hydrant, six-inch (6") gate valve and box, and all the pipe and fittings necessary to connect the assembly to the water main as per the Plans and Specifications (see Standard Details). If fire hydrant is located at an end run of water main, then the fire hydrant assembly may not include the tee, but will be defined from the pipe size to a 6-inch reducer to the hydrant.
8. Connect to Existing - Water Main: The completed work for the connection to the existing water main will be paid for at the contract unit price each (EA). Payment shall be based on the actual number of connections made as indicated on the plans or as directed by the Engineer. The unit price shall include field investigation, installation of thrust restraints, coordination with DPW and residents in event of service disruption to make connection, pressure testing, all fittings, and accessories necessary to complete the work according to the plans and specifications.
9. Tapping Sleeve and Valve, 12": The completed work for the tapping sleeve and valve will be paid for at the contract unit price each (EA). Payment shall be based on the actual number of connections made as indicated on the plans or as directed by the Engineer. This item is not considered a connection to existing. The unit price shall include field investigation, pressure testing, materials and fittings, and accessories necessary to complete the work according to the plans and specifications.
10. HMA, Drive Replacement: The completed work for HMA drive replacement shall be paid for at the contract unit price by the square yard (SY). Payment shall be based on field measurements of the actual quantity constructed within the one on one influence slope of the pipe placement. This unit price shall include removal and disposal of existing HMA, installation of new subbase, aggregate base, HMA and all other labor, materials and equipment necessary to complete the work according to the plans and specifications. Any bituminous damaged outside the limits identified on the plans and 1:1 influence of pipe will be repaired/replaced at no additional cost to the project.
11. Sidewalk Remove and Replace, Concrete: The completed work for concrete sidewalk replacement shall be paid for at the contract unit price by the square foot (SF) on the basis of the actual quantity constructed within the one on one influence slope of the pipe placement. This unit price shall include, but is not limited to removal and disposal of existing concrete, and installation of new subbase, concrete, concrete surfacing and all other labor, materials and equipment necessary to complete the work according to the plans and specifications. Any sidewalk damaged outside the limits identified on the plans and 1:1 influence of pipe will be repaired/replaced at no additional cost to the project.
12. Concrete Curb and Gutter Replacement: The completed work for concrete curb and gutter replacement shall be paid for at the contract unit price by the linear foot (LF) on the basis of the actual quantity constructed within the one on one influence slope of the pipe placement. This unit price shall include, but is not limited to removal and disposal of existing concrete, and installation of new curb including subbase and all other labor, materials and equipment necessary to complete the work according to the plans and specifications. Any concrete damaged outside the limits identified on the plans and 1:1 influence of pipe will be repaired/replaced at no additional cost to the project.

13. Sidewalk Ramp, ADA: Sidewalk Ramp installation, as directed by the Engineer, shall be based within the one on one influence slope of the pipe placement and will be paid for at the contract unit price each(EA). The unit price shall include installation, and all work incidental thereto, as detailed in the plans and specifications. Removal of existing will be considered incidental to the cost of the project.
14. Tree Remove and Replace: Tree Remove and Replace, as directed by the Engineer, shall be based on trees removed within the one on one influence slope of the pipe placement and will be paid for at the contract unit price each(EA). The unit price shall include furnishing, planting, and all work incidental thereto, as detailed in the plans and specifications. Removal of trees will be considered incidental to the cost of the project. Trees damaged outside the limits of twice the trench depth will be considered incidental to the cost of the project and will be replaced at no additional cost to the contract.
15. Restoration: The completed work for restoration will be paid for at the contract lump sum (LS) price. This payment shall be payment in full for soil erosion control measures, landscape repair/replacement, existing ditch and check dam repair / replacement, culvert replacement, raking, seedbed preparation, providing seed, fertilizer, mulch, topsoil and any labor or equipment necessary to complete the work as per the plans and specifications. If winter seeding is necessary, spring seeding will be required and included in the cost of this item.

END OF SECTION 01270