

August 29, 2017

Addendum No. 1

Charter Township of Shelby
Sanitary Sewer SAD 34-S-2015

To all prospective Bidders and others concerned:

This ADDENDUM is hereby incorporated into the original Contract Documents dated August 10, 2017 for the bidding referred to above and is considered as binding as though originally appearing therein. Receipt of this ADDENDUM shall be noted on the place provided on the page titled "Proposal" P-1. Failure to do so may disqualify the Bidder. Please also acknowledge the receipt of this addendum using the Bid Addendum Acknowledgement included with this Addendum.

This Addendum consists of 5 pages.

YOU ARE HEREBY ADVISED THAT the Contract Documents for the above referenced project are revised in the following particulars (deletions are shown by strikethrough and additions are underlined and red):

GENERAL CLARIFICATIONS:

1. The Mandatory Pre-bid meeting notes are included for informational purposes.
2. Questions received in writing by bidders and their answers are included in the Pre-bid meeting notes.
3. Available Well Logs are provided
4. List of wells obtained from Macomb County Health Department is provided.
5. Additional notes provided from FK Engineering (Geotechnical Consultant) are provided
6. The scope of the project is updated to **16,995** l.f. of **10** inch through 21 inch sanitary sewer.
7. The Macomb County Department of Roads correspondence is provided, stating the permit fees and inspection deposit.
8. Correspondence from the Macomb County Public Works Office – Soil Erosion is provided, with permit fee information.

Description of Addendum:

CHANGES TO THE PROJECT MANUAL:

Proposal

**** A new bid form sheet is attached to this addendum that should be used for submitting a bid price.**

Items 34 and 46 shall be revised as follows:

34	Culv End Sect, Metal, 12 inch	Ft Ea	22		
46	Well, Residential, Abandon or Relocate	Ea	20	-	-
46	Septic Lead Repair	Ea	5		

Special Provisions

Items 3, 11, 12, 13, 14 and 39 shall be revised as follows:

3. SCOPE OF THE WORK

The work under this Contract includes all work required to replace, rehabilitate, or install and put into service the sanitary sewer, and work related items at the designated locations as shown on the Plans and in the Specifications. The Scope also includes complete restoration of all areas related to the construction. Included in this Contract is the installation of sanitary sewer in a steel casing by open cut construction across the Clinton River. This portion of the construction may only be performed outside of the spawning period which takes place between ~~October 1st and April 30th~~ **March 1 and June 30.** Separately, the project related construction within the Diegel property (Parcel ID 07-01-451-002) must be completed prior to March 15th.

11. OWNER/UTILITY CONTRACT COORDINATION

The Charter Township of Shelby will enter into separate contracts with:

- DTE Energy to relocate existing utility poles, as shown on the drawings that are within the project work area.
- In the event a private well system is impacted or damaged by the Contractor’s work, the residential well repair, or abandonment and reinstallation ~~may~~ **will** be completed by a contractor that the Township will hire under a separate contract. **Note: the Contractor’s operations and dewatering plan specifically shall take existing wells into consideration and include appropriate protective measures.**
- In the event residential septic tank/ field is impacted or damaged by the Contractor’s work within the project permanent easements, **the Contractor shall provide a connection to the sewer according to “Sewer Tap, 6 inch and Abandon Septic Tank” and shall be compensated according to the Contract Unit Price.** If a septic system is damaged outside of project permanent easements, the Contractor shall **provide a connection to the sewer according to “Sewer Tap, 6 inch and Abandon Septic Tank” and shall not be compensated.**

The above list is provided for the Contractor's use and may not be a complete listing. The Contractor shall coordinate his work with other Contractors that are performing the work on these items or any other project work being performed in the work area.

All work required to coordinate and work around projects shall be included in the work items for which the construction is being performed. The Contractor shall have no reason for claims due to delays required to accommodate these projects and coordination.

12. SEWER TAP, 6 INCH AND ABANDON SEPTIC TANK

The existing septic fields are shown on the plans based on best available information at the time of plan preparation. Prior to construction, the Contractor shall contact the private property owners of the septic systems potentially impacted by the construction to determine actual locations and field verify. Subsequent to field verification, the septic tank and/or field location shall be delineated with construction fencing ("snow fence") or other approved means.

Where the installation of a sanitary lead connection and disconnection from an existing front yard septic tank and field is required during the sanitary sewer construction, this item of work shall include the installation of the necessary fittings to tie the existing effluent line from the building into the new sanitary lead, and abandonment and filling of the septic tank in accordance with Macomb County Health Department (MCHD) requirements. If the existing septic tank is encountered within the excavation for the sanitary sewer, the Contractor shall remove and dispose of the septic tank. This item of work shall also apply where existing septic systems noted or not noted on the plans are impacted by the construction.

Materials for this item of work shall be in accordance with Section 203 of the MDOT 2012 Standard Specifications for Construction, and as modified herein. These include the requirements of the Sanitary Sewer Specifications and those shown on the Sanitary Sewer Standard Detail Sheets.

This construction shall include all labor, materials, equipment for the work and shall be performed in conformance with the Sanitary Sewer Specifications and shown on the Sanitary Sewer Standard Detail Sheet. Further the work shall be performed in accordance with Section 203 of the MDOT 2012 Standard Specifications for Construction and MCHD Environmental Health Services Division requirements.

"Sewer Tap, 6 Inch and Abandon Septic Tank" shall be paid for at the Contract Unit Price for each Sewer Tap and Septic Tank Abandonment for tanks or fields located with the project permanent easements, or completed with no compensation for tanks or fields located outside of the project permanent easements.

13. SEPTIC TANK / FIELD REPAIR

The existing septic fields are shown on the plans based on best available information at the time of plan preparation. Prior to construction, the Contractor shall contact the private property owners of the septic systems potentially impacted by the construction to determine actual locations and field verify. Subsequent to field verification, the septic tank and/or field location shall be delineated with construction fencing ("snow fence") or other approved means.

Contractor shall be responsible for any damages caused by moving construction-related equipment over septic field or tank. When any existing septic field/tank is damaged during the construction of the sanitary sewer, the Contractor shall be responsible for installation of “Sewer Tap, 6 inch and abandon Septic Tank” as noted in that section. When any existing septic lead from the house to the septic tank, or from the tank to the field is damaged during the construction of the sanitary sewer, the Contractor shall be responsible for notifying the Macomb County Health Department (MCHD) Environmental Health Services Division and coordinating with their representative to provide a field determination of the required repairs. The Contractor will repair the damaged lead as necessary to put the system back into service as determined by MCHD and for their required approval.

Materials for this item of work shall be in accordance with Section 203 of the MDOT 2012 Standard Specifications for Construction, and as modified herein and MCHD requirements. These include the material and construction requirements of the Sanitary Sewer Specifications. The Contractor shall support and protect existing septic systems to minimize the impact of construction on systems intended to be left in place.

This construction shall include all labor, materials, equipment for the work and shall be performed in conformance with the Sanitary Sewer Specifications. Further the work shall be performed in accordance with Section 203 of the Standard Specifications and MCHD requirements.

The cost of “Septic Lead Repair” shall be included in the unit prices bid for the work.

14. WELL, RESIDENTIAL, ABANDON OR RELOCATE

The Contractor shall support, monitor and protect existing water well systems including crock wells / shallow wells to minimize the impact of construction and dewatering on systems intended to be left in place. Refer to the dewatering specification for monitoring the well system.

Where the existing potable water well system is impacted by the sanitary sewer construction, the contractor shall notify the Township immediately. This shall also apply where existing well systems not noted on the plans are impacted by the construction.

All work and/or costs required to coordinate the work with the Township shall be included in the cost of the work being performed. The Contractor shall have no reason for claims due to delays required to accommodate this work, monitoring and coordination.

In the event a private well system is impacted or damaged by the Contractor’s work, ~~“Well, Residential, Abandon or Relocate”~~ the work to repair, or abandonment and reinstallation well will be completed by a contractor that the Township will hire under a separate contract. ~~with an allowance for bid purposes of \$5000 per site.~~

39. CLINTON RIVER CROSSING

The construction of the sanitary sewer requires the installation of a steel casing pipe by open cut construction across Clinton River. Clinton River is an important fishery, particularly for Brown Trout and all construction is required to be completed outside of the spawning period which takes place between ~~October 1st and April 30th~~ **March 1st and June 30th**. An additional consideration for

construction is the timeframe for the lowest potential water levels centered approximately in July.

There are very specific requirements for the construction within the creek crossing area. These include stockpiling of the creek bed material, bank stabilization and planting of native woody vegetation as called for in the permit. It is anticipated that the creek bed material will be layered with varied sizes of granular material. The upper material is anticipated to be smaller in size with larger rock or stone anticipated in the lower layers of the creek "sub-pave" material. Each of these materials if encountered shall be stockpiled separately from the other as well as other soil and aggregate materials during the construction of the sanitary sewer casing and related items. These materials will be used for backfill of the excavation within the creek crossing area. A minimum of 24" of the "sub-pave" material will be backfilled over the top of the casing to be topped with 12" of the smaller upper creek bottom material. In addition, permanent soil erosion control measures for tributary ditches and swales are to be installed as part of this work. Larger reclaimed natural stone from the excavation will be used as the permanent soil erosion control measures for the tributary ditch as shown on plan and profile. This construction will be performed in strict compliance with the Michigan Department of Environmental Quality permit and per these Construction Documents.

Payment for all labor, material, equipment, and work required for the construction of the Clinton River crossing shall be included in "Steel Casing Pipe, 36 Inch, Open Cut".

Attachments:

Mandatory Pre-Bid Meeting Notes and Sign-in Sheet

Well Logs

Well list obtained from Macomb County Health Department

Additional information from Geotechnical Consultant

Macomb County Department of Roads Approval and Permit Requirements

Macomb County Public Works – Soil Erosion correspondence

Bid Proposal

Special Provisions

Bid Addendum Acknowledgment

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