SPECIAL PROVISION 1
REHAB OR CONSTRUCTION INFORMATION ON SEWER LINES

PROJECT NO. ES 2015-04
Upper Joe Creek, Specific Remediation Plan

This form should be submitted to Sewer Operations for all lines completed with each monthly payment request.

<table>
<thead>
<tr>
<th>Project #</th>
<th>Project Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contractor</td>
<td>Payment #</td>
</tr>
<tr>
<td>Upstream mh</td>
<td>Downstream mh</td>
</tr>
<tr>
<td>Footage</td>
<td>Type of Rehab/Construction</td>
</tr>
<tr>
<td>New Pipe Type</td>
<td>Date Completed</td>
</tr>
</tbody>
</table>

Service Connection Information:

<table>
<thead>
<tr>
<th>Address served by connection</th>
<th>Measured from which manhole?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Footage connected from manhole</td>
<td>Clock position</td>
</tr>
<tr>
<td>Active service?</td>
<td>Type of connection at main</td>
</tr>
<tr>
<td># of feet of service pipe installed by contractor from main</td>
<td>Size of service</td>
</tr>
<tr>
<td>Service pipe type installed by contractor</td>
<td>Contractor’s coupling type to customer’s service</td>
</tr>
<tr>
<td>Customer’s service pipe type</td>
<td>Depth of contractor’s connection to customer’s service</td>
</tr>
</tbody>
</table>
SPECIAL PROVISION 2
OWNER ALLOWANCE

PROJECT NO. ES 2015-04
Upper Joe Creek, Specific Remediation Plan

Work covered by allowance:

A. Allowances have been provided in the contract for various work not identified in other bid items. Descriptions and dollar amounts are identified in Form of Bid.

B. The allowance shall be used for cost of materials, labor installation and overhead and profit for additional work that is not identified in the Construction Documents/Plans, and not included in the base bid lump sum.

C. The allowance shall be used only at the discretion of the City of Tulsa. Any allowance balance remaining at the completion of the project will be credited back to the City of Tulsa on the final Application for Payment submitted by the contractor.

D. The Contractor shall provide, to the City of Tulsa Representative, a written request for the use of the allowance, with a schedule of values, and all associated backup information, including any time extension required to perform the work.

E. Contractor shall proceed with work included in the allowance only after receiving a written order, from the City of Tulsa Representative, authorizing such work. Proceeding with work in the allowance without a written order from the City of Tulsa Representative will be at the Contractor’s cost.
SPECIAL PROVISION 3
TECHNICAL REQUIREMENTS AND SPECIFICATIONS
COMPOSITE MANHOLE FRAME & COVER

PROJECT NO. ES 2015-04
Upper Joe Creek, Specific Remediation Plan

PART 1 GENERAL

1.1 MATERIAL
A. Composite manhole frame and cover shall be made of a fiber reinforced polymer using at least 45% fiber reinforcement and thermoset resin matrix.

1.2 USABILITY
A. Composite unit must facilitate easy removal of the cover by one person, have a 750:1 strength to weight ratio and possess no possibility of corrosion welding between the frame and cover.
B. Composite unit shall have an integrated gasket system to reduce traffic shock, noise, and odors.
C. Composite unit shall have Stainless Steel quarter turn paddle lock.

1.3 PEDESTRIAN SAFETY
A. Composite unit shall be heat insulating, non-conductive, and provide skid slip performance of 0.6 according to ASTM C1028.

1.4 LOAD CARRYING CAPACITY
A. AASHTO M306-10 H-20 & H-25 traffic requirements of 50,000 lbs., with 100,000lb ultimate load bearing.

1.5 FATIGUE PERFORMANCE
A. Must pass 2 million cycles at 16,000 lbs. and then proof load requirements U.S. AASHTO M306-10 H-20 & H-25 or EN 124 Class A-D.

1.6 MARKINGS
A. AASHTO M306-10
B. Country of origin

1.7 QUALITY & WARRANTY STATEMENT
A. Manufacturer must provide a warranty for the composite unit for 5 years.
B. Composite manhole frame and cover must be made in the USA.

1.8 ACCEPTABLE MANUFACTURERS
A. EJ Group, Inc. - 2600 & 3200 Series / East Jordan, MI / 1-800-874-4100 or Pre-Approved Equivalent
Work covered by allowance: Internal Drop Assemblies will be paid per installation as they are installed on existing manholes, new manholes with external drops, and new manholes without external drops. See INTERNAL DROP CONNECTION on Plan Set Sheet 38 for detail.

- Sta. 7+14.21 - Existing 8’ I.D. Manhole 0680674
- Sta. 13+17.81 - New 5’ I.D. Manhole 0680358 (replacement)
- Sta. 17+27.18 - New 5’ I.D. Manhole 0680359 (replacement)
CONSTRUCTION SEQUENCING REQUIREMENTS:

All construction efforts between Station 0+00 and the manhole at Station 32+32 must be completed before work in any other areas begins.