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**Addendum No. 1**

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**PROJECT:** Lupton City Mill Sewer Relocation

**Project No.:** 37001-00

**OWNER:** City of Chattanooga, Tennessee

**ENGINEER:** BARGE DESIGN SOLUTIONS  
1110 MARKET STREET, SUITE 200  
CHATTANOOGA, TENNESSEE 37402

**ISSUED DATE:** December 2, 2019

**BID DATE:** December 5, 2019, 2:00 PM Local Time

**ALL BIDS SHALL CONFORM TO THIS ADDENDUM:**

This addendum is an amendment to the bid documents for the referenced project, and as such will be made part of the contract documents. Acknowledge receipt of this addendum on the Bid Proposal. Failure to do so may subject the bidder to disqualification.

**PLANS**

1. Refer to Drawing C7.03 – Sheet added to include City of Chattanooga pavement repair detail.
2. Refer to Drawing G0.01 “Cover Sheet” – Cover sheet has been revised to include Drawing C7.03.

**SPECIFICATIONS**

1. Refer to Specification 00 41 00 “Bid Form” – Bid form has been revised to include line item No. 1.1 “Mobilization/Demobilization”. Line Item 1.3 Alt-b of bid form has been revised to show 15-Inch Diameter PVC Sewer instead of 16-inch. Line Item 1.17 has been added as an allowance for construction entrances.
2. Refer to Specification 01 22 00 “Measurement and Payment” – Measurement and Payment section has been revised to include language for mobilization/demobilization and an allowance for construction entrances.

**QUESTIONS**

1. **Question:** If any Clay Tile needs to be replaced under this contract then can a bid item be added for it?  
**Response:** Sewer Point Repair is Item 1.9 in the Bid Form. The pipe requiring repair is vitrified clay.
2. **Question:** Is the Tree Trimming part of the prime contractors scope or AT&T? If it is part of our scope then we need to know how much and where. The item also needs to be broken out as a bid item if we are supposed to include that in our bid.  
**Response:** See Note 1 on Sheet C0.41. AT&T will do the tree trimming.
3. **Question:** The Erosion Control plan call for silt fence, silt sox, and inlet protection. Can bid items be added for these items or can a LS bid item be added for erosion control?  
**Response:** A LS mobilization/demobilization line item has been added to the Bid Form. Erosion control costs to be included in this line item.

4. **Question:** The plans show "Pavement Restoration" need to complete the desired scope of work. Can a detail be provided showing the base and binder thickness?  
**Response:** See newly added Sheet C7.03.
5. **Question:** There is a bid item for "On-Site Disposal"... Where is this area located?  
**Response:** On-Site Disposal will be on the Lupton City Mill site. See Attachment 1 for approximate location.
6. **Question:** The Traffic Control plans call for multiple items needed in order to execute the engineering TCP. Can those items be broken out or can a LS TCP be added?  
**Response:** A LS mobilization/demobilization line item has been added to the Bid Form. Traffic control costs to be included in this line item.
7. **Question:** Can a mobilization item be added to the bid schedule?  
**Response:** A LS mobilization/demobilization line item has been added to the Bid Form.
8. **Question:** C7.31 shows a detail for a Construction Entrance. If one is needed then where is it needed and how many?  
**Response:** See Sheet C2.31, Note 3. There are 2 available entrances to the site that both utilize impervious paving. Stormwater inspector may require construction exits if tracking occurs. An allowance for construction entrances has been added to the bid form.
9. **Question:** *Item No. 1.1 Sewer CCTV Inspection (Bid Form 00 41 00 – 4)* Is there a requirement for NASSCO PACP certified operator to be used for this inspection?  
**Response:** Yes, a certified NASSCO PACP certified operator shall be used for this inspection.
10. **Question:** Do you plan on sending out a revised bid schedule?  
**Response:** Yes, see attached.
11. **Question:** Bid Item # 1.2, Alt-b. calls for 16" PVC sewer, and spec section 33 31 00, Part 2 (Products), 2.1 Pipe, B. PVC, says "to meet and/or exceed the requirements ASTM D3034, SDR26." 16" SDR26 is not made; requesting clarification on what to bid in lieu of this size and/or type.  
**Response:** Line Item 1.3 Alt-b of bid form has been revised to show 15-Inch Diameter PVC Sewer instead of 16-inch

#### **ATTACHMENTS:**

- Attachment 1 indicates the on-site disposal area and is attached for Bidder reference.
- Drawing C7.03 has been added to include City of Chattanooga pavement repair detail.
- Drawing G0.01 has been revised to include Drawing C7.03.
- Revised Specification 00 41 00 "Bid Form"
- Revised Specification 01 22 00 "Measurement and Payment"
- Pre-bid meeting notes and sign in sheet.

This addendum consists of 2 Pages with exception of Attachment(s)

CITY OF CHATTANOOGA, TENNESSEE

December 2, 2019

Date

Department of Public Works

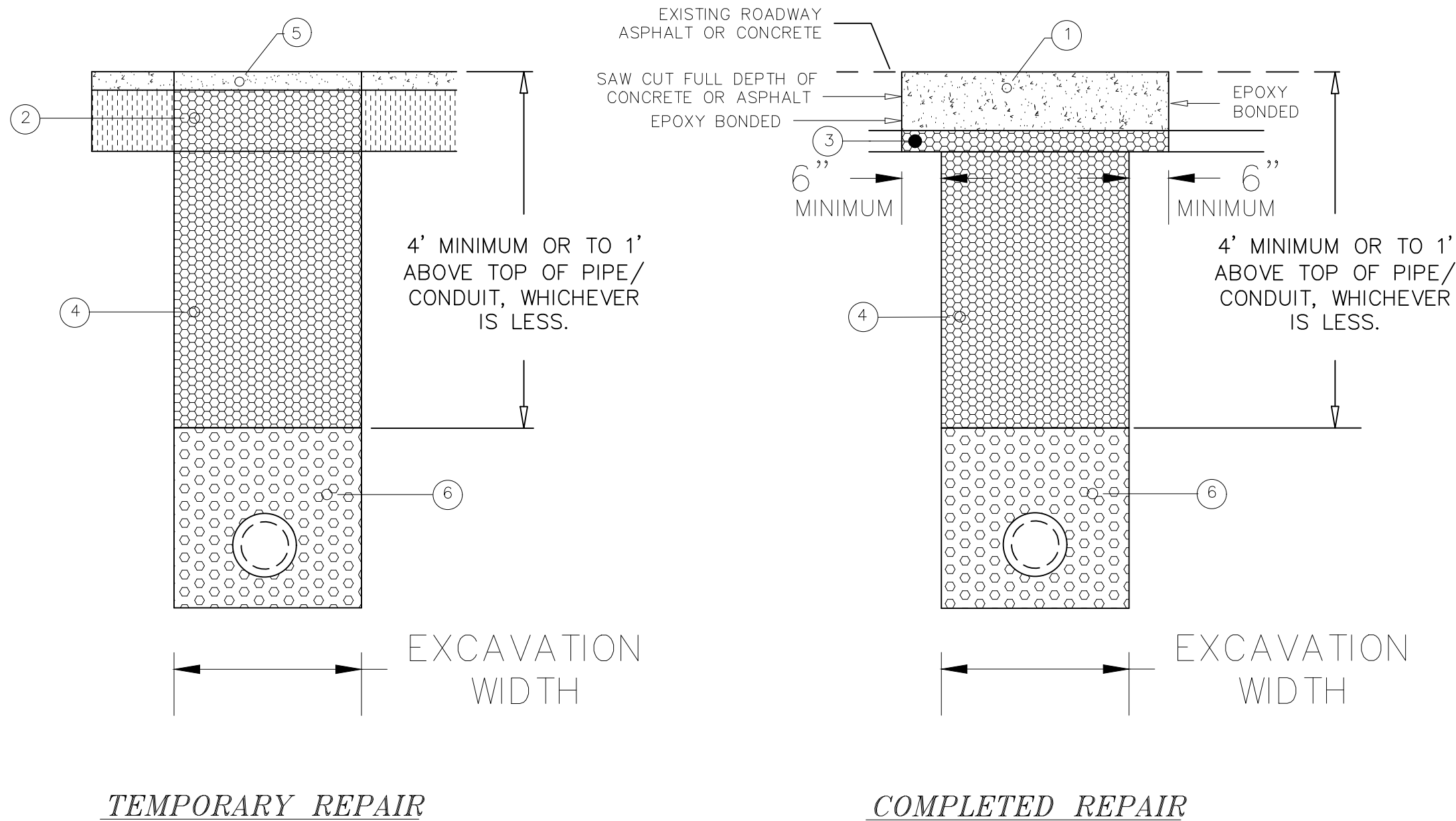
## Lupton City Mill Sewer Relocation

Approximate location of on-site disposal area for unsuitable fill

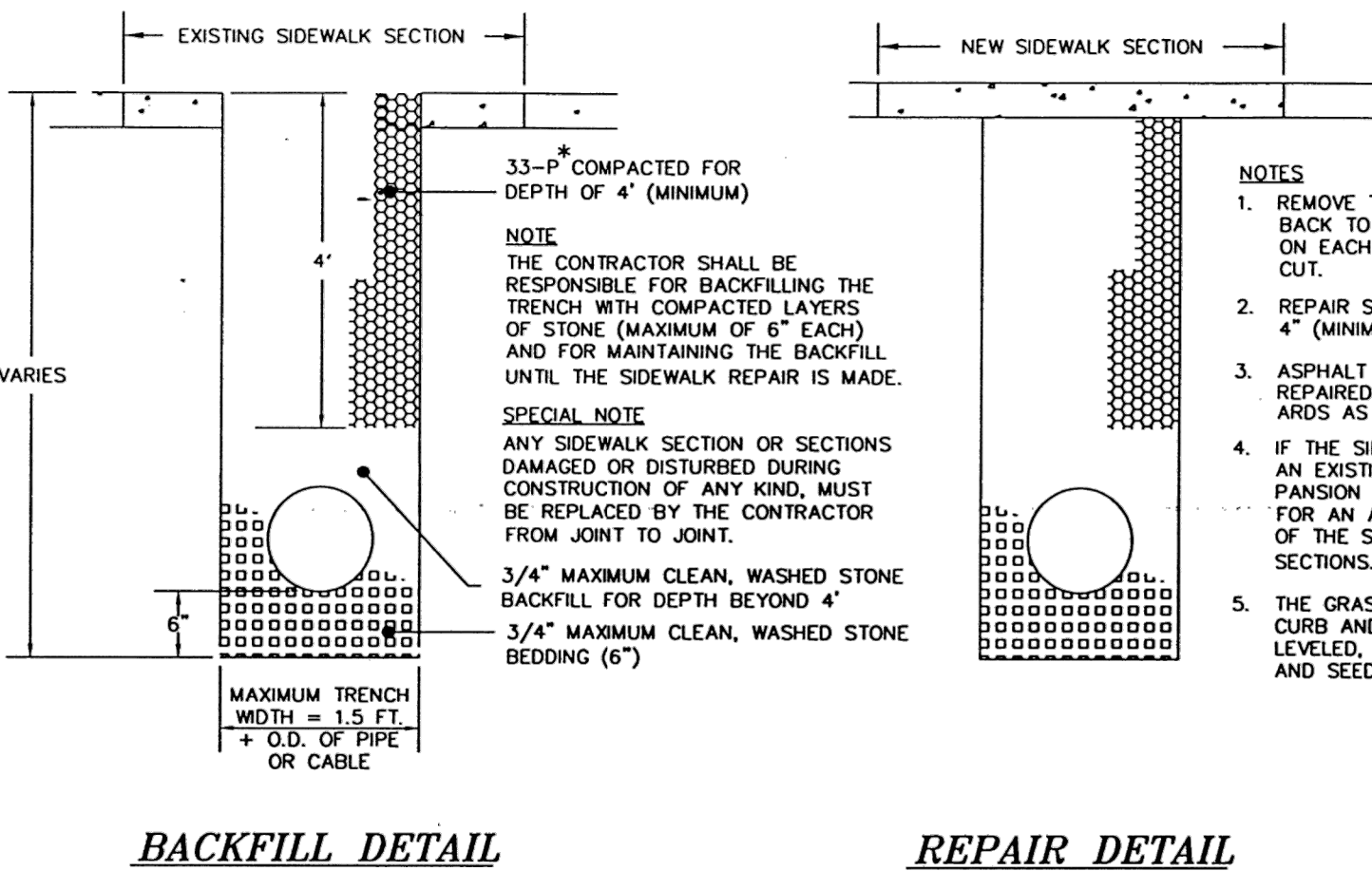
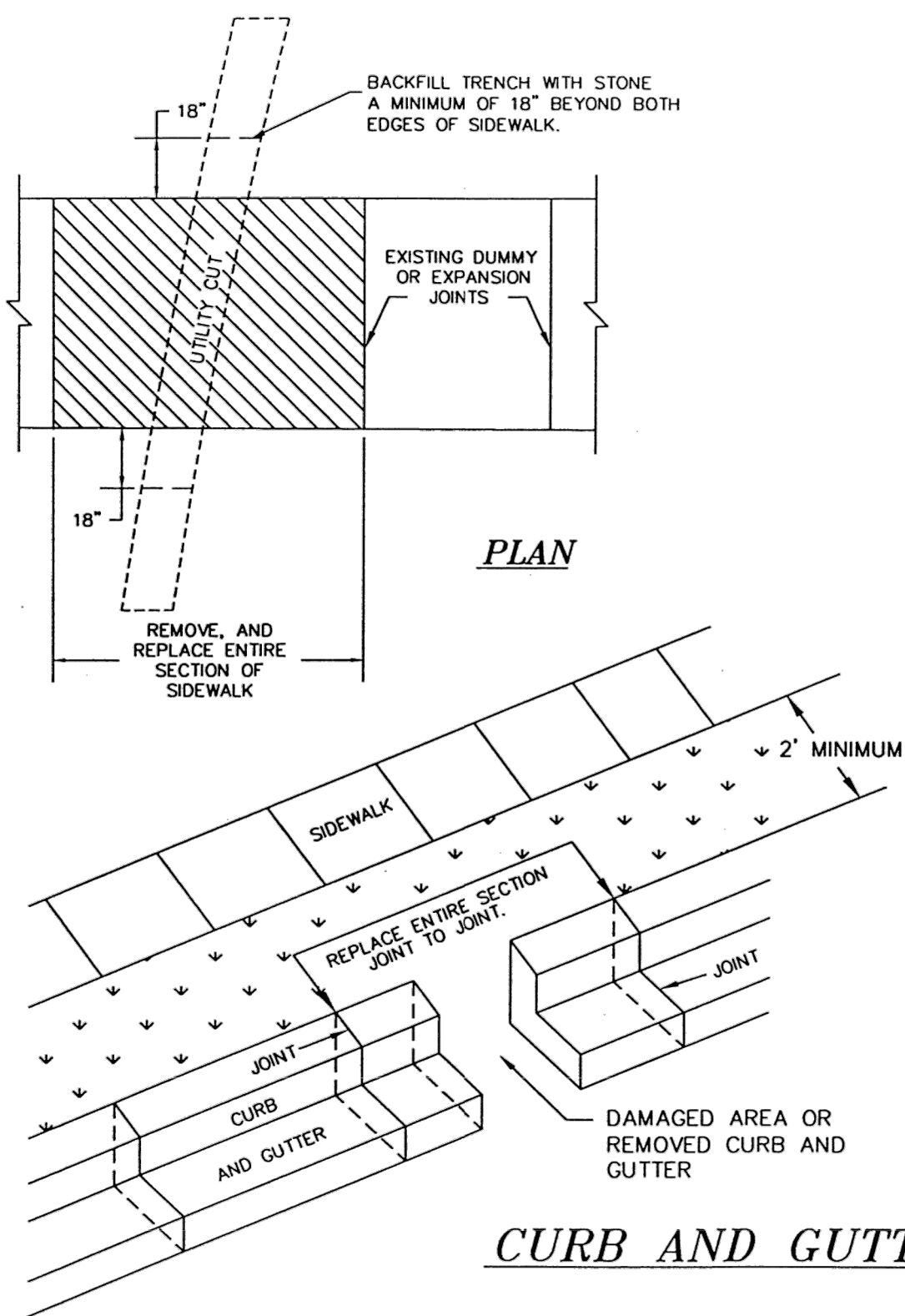
November 18<sup>th</sup>, 2019



CREATED: LAST SAVED: BY: PLOT DATE:



1 REPAIR DETAILS (ROADWAY) SD-700.01  
C7.03 SCALE: NTS



SIDEWALK

- NOTES
1. ANY CURB AND GUTTER SECTION THAT IS CUT, DAMAGED, OR DISTURBED DURING CONSTRUCTION OF ANY KIND, MUST BE REPLACED BY THE CONTRACTOR FROM JOINT TO JOINT USING PROPER FORMS AND CONCRETE.
  2. ANY EXCAVATED OR DISTURBED GRASS AREA MUST BE LEVELED, AND THEN HAVE TOPSOIL AND SEED ADDED.

\* "33-P (PUG)" - 303-01, TYPE A, GRADING D ("33-P"), TENNESSEE D.O.T. SPECIFICATIONS.

2 REPAIR DETAILS (CURB AND GUTTER/SIDEWALK) SD-701.01  
C7.03 SCALE: NTS

DRAWING NOTES

1. CLASS "A" CONCRETE PAVEMENT (4,000 P.S.I. MINIMUM), 8" MINIMUM THICKNESS, COARSE BROOM FINISH - THE CONCRETE SHALL BE COLORED AND STAMPED TO MATCH THE ADJACENT CONCRETE AS REQUIRED.
  2. MINERAL AGGREGATE BASE, TYPE A, GRADING D (33-P\*) - COMPACTED TO A DENSITY OF 95% STANDARD PROCTOR. THE THICKNESS SHALL BE THE GREATER OF EIGHT INCHES (8") OR THE EXISTING DEPTH OF BASE MATERIAL.
  3. MINERAL AGGREGATE BASE, TYPE A, GRADING D (33-P\*) - COMPACTED TO A DENSITY OF 95% STANDARD PROCTOR. THE THICKNESS SHALL BE THE GREATER OF FOUR INCHES (4") OR THE EXISTING DEPTH OF BASE MATERIAL.
  4. MINERAL AGGREGATE BACKFILL, TYPE A, GRADING D (33-P\*) - COMPACTED TO EIGHT INCH (8") LIFTS AND TO A DENSITY OF 95% STANDARD PROCTOR.
  5. COLD MIX ASPHALT - WHEN A TEMPORARY ASPHALT PATCH IS USED, IT SHALL BE PLACED IMMEDIATELY AFTER THE CRUSHED STONE BACKFILL IS PLACED.
  6. BEDDING MATERIAL, SEE CITY OF CHATTANOOGA DETAIL SD-307.01.
- \* "33-P (PUG)" - 303-01, TYPE A, GRADING D ("33-P"), TENNESSEE D.O.T. SPECIFICATIONS

GENERAL REQUIREMENTS

1. ALL STREET CUTS MUST BE REPAIRED IMMEDIATELY AFTER BACKFILLING AND ACCORDING TO THIS STANDARD.
2. A RIGHT-OF-WAY PERMIT AND AN APPROVED TRAFFIC CONTROL PLAN ARE REQUIRED FOR ALL CUTS IN CITY STREETS.
3. WHERE LONGITUDINAL CUTS ARE MADE, THE OWNER RESERVES THE RIGHT TO REQUIRE ADDITIONAL RESURFACING BEYOND THE LIMITS OF THE REPAIR TO ENSURE THE PROPER RIDING CHARACTERISTICS AND THE STABILITY OF THE PAVEMENT.
4. ALL REFERENCES TO MATERIALS ARE DESCRIBED IN DETAIL IN THE STANDARD SPECIFICATIONS. THESE SPECIFICATIONS MUST BE USED AS A REFERENCE WHEN ORDERING MATERIALS.
5. EXISTING CONCRETE STREETS THAT HAVE BEEN OVERLAID WITH ASPHALT SHALL BE REPAIRED WITH CONCRETE HAVING A DEPTH EQUAL TO THE EXISTING CONCRETE PLUS THE ADJACENT EXISTING ASPHALT OVERLAY.
6. WHERE EXISTING CONSTRUCTION AND EXPANSION JOINTS ARE ENCOUNTERED IN CONCRETE PAVEMENT CUTS, THE ENGINEER SHALL DESIGNATE LOCATION, SIZE, AND MATERIALS TO CONSTRUCT JOINTS IN THE NEW CONCRETE SURFACE.



LUPTON CITY MILL  
SEWER RELOCATION  
CITY OF CHATTANOOGA, TN  
WASTE RESOURCE DIVISION CAPITAL  
IMPROVEMENT PROGRAM



REV	DATE	REVISION DESCRIPTION
1	11/27/19	ADDENDUM 1

THIS LINE IS ONE INCH LONG WHEN PLOTTED FULL SCALE  
THIS DRAWING MUST BE USED IN CONJUNCTION WITH THE APPLICABLE OR GOVERNING TECHNICAL SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS.

PROJECT NO: E-16-006	DATE: OCTOBER 2019
DISC. LEAD: PKM	DESIGNER: EAG
CHECKER: PAB	

SHEET TITLE

SITE DETAILS

# CITY OF CHATTANOOGA, TENNESSEE

## LUPTON CITY MILL SEWER RELOCATION

CONTRACT NO. E-16-006

### WASTE RESOURCE DIVISION CAPITAL IMPROVEMENT PROGRAM

#### MAYOR

ANDY BERKE

#### CITY COUNCIL

DISTRICT 1 - CHIP HENDERSON, VICE-CHAIR  
DISTRICT 2 - JERRY MITCHELL  
DISTRICT 3 - KEN SMITH  
DISTRICT 4 - DARRIN LEDFORD  
DISTRICT 5 - RUSSELL GILBERT, SR.  
DISTRICT 6 - DR. CAROL B. BERZ  
DISTRICT 7 - ERSKINE OGLESBY, JR., CHAIR  
DISTRICT 8 - ANTHONY BYRD  
DISTRICT 9 - DEMETRUS COONROD

#### DEPARTMENT OF PUBLIC WORKS

JUSTIN C. HOLLAND, ADMINISTRATOR



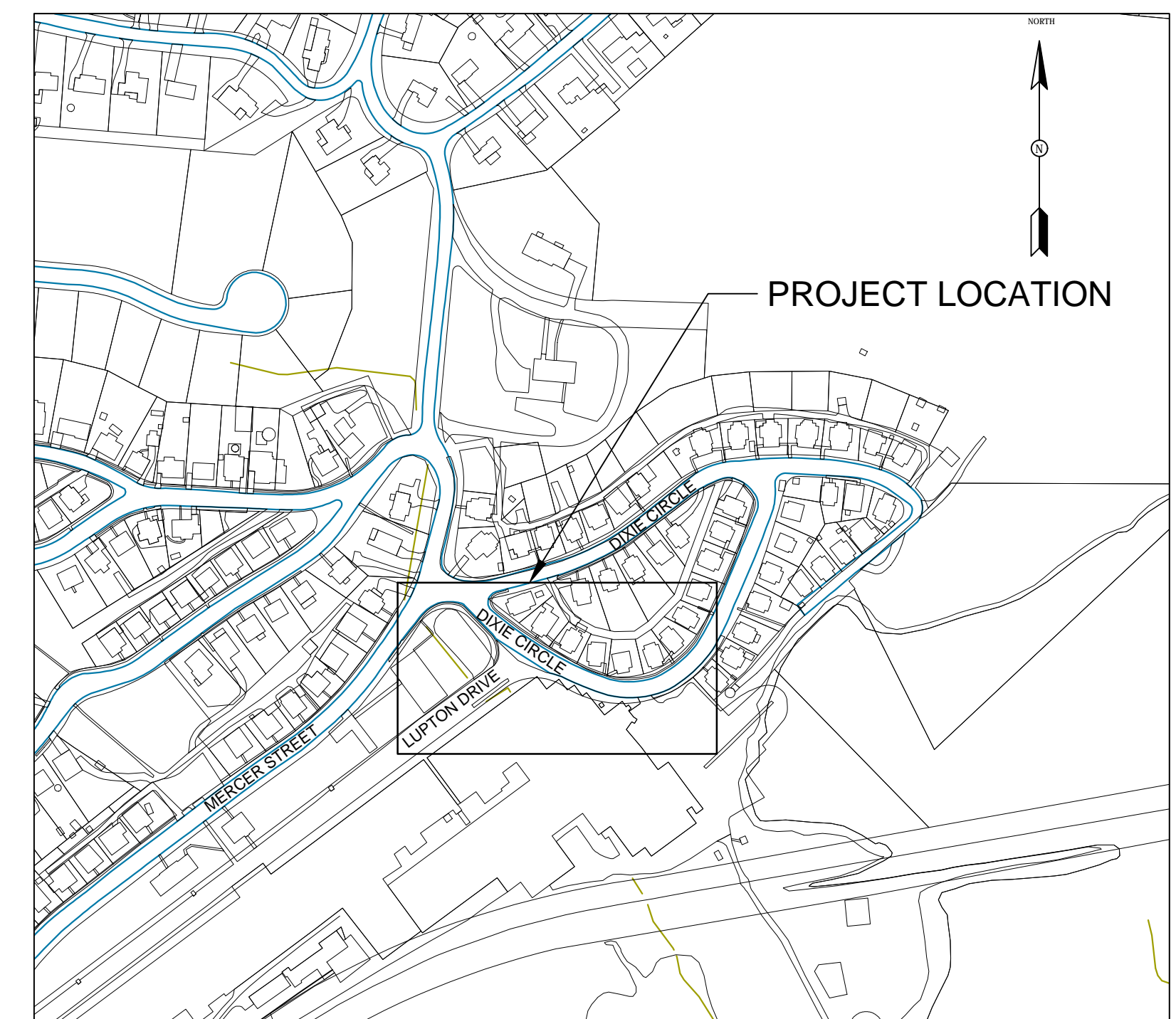
PREPARED BY:

**BARGE**  
DESIGN SOLUTIONS

1110 MARKET STREET, SUITE 200  
CHATTANOOGA, TN 37402  
(423)756-3025

OCTOBER 2019

ISSUED FOR BID



LOCATION MAP  
N.T.S.  
LUPTON CITY - CHATTANOOGA, TN

#### INDEX OF DRAWINGS

G0.01	COVER SHEET
C0.02	GENERAL NOTES
C0.41	EXISTING CONDITIONS & DEMOLITION PLAN
C2.31	INITIAL EROSION & SEDIMENT CONTROL PLAN
C2.51	FINAL EROSION & SEDIMENT CONTROL PLAN
C4.00	OVERALL SEWER PLAN
C4.01	SEWER PLAN & PROFILE
C5.01	TRAFFIC CONTROL PLAN
C7.01	SITE DETAILS
C7.02	SITE DETAILS
C7.03	SITE DETAILS
C7.31	EROSION CONTROL DETAILS

APPROVED FOR RELEASE.

WILLIAM C. PAYNE, P.E., CITY ENGINEER      DATE

**LUPTON CITY MILL SEWER RELOCATION  
CONTRACT NUMBER E-16-006**

**ARTICLE 1 – BID RECIPIENT**

1.01 This Bid is submitted to:

City of Chattanooga, Tennessee  
Purchasing Department  
101 E. 11<sup>th</sup> Street, Suite G13  
Chattanooga, Tennessee 37402

1.02 The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an Agreement with Owner in the form included in the Bidding Documents to perform all Work as specified or indicated in the Bidding Documents for the prices and within the times indicated in this Bid and in accordance with the other terms and conditions of the Bidding Documents.

**ARTICLE 2 – BIDDER’S ACKNOWLEDGEMENTS**

2.01 Bidder accepts all of the terms and conditions of the Instructions to Bidders, including without limitation those dealing with the disposition of Bid security. This Bid will remain subject to acceptance for period of time after the Bid opening as stated in the Advertisement for Bids, or for such longer period of time that Bidder may agree to in writing upon request of Owner.

**ARTICLE 3 – BIDDER’S REPRESENTATIONS**

3.01 In submitting this Bid, Bidder represents that:

A. Bidder has examined and carefully studied the Bidding Documents, the other related data identified in the Bidding Documents, and the following Addenda, receipt of which is hereby acknowledged.

Addendum No.

Addendum Date

_____	_____
_____	_____
_____	_____

B. Bidder has visited the Site and become familiar with and is satisfied as to the general, local and Site conditions that may affect cost, progress, and performance of the Work.

C. Bidder is familiar with and is satisfied as to all federal, state and local Laws and Regulations that may affect cost, progress and performance of the Work.

D. Bidder has carefully studied all: (1) reports of explorations and tests of subsurface conditions at or contiguous to the Site and all drawings of physical conditions relating

- to existing surface or subsurface structures at the Site (except Underground Facilities) that have been identified in SC-4.02 as containing reliable "technical data," and (2) reports and drawings of Hazardous Environmental Conditions, if any, at the Site that have been identified in SC-4.06 as containing reliable "technical data."
- E. Bidder has considered the information known to Bidder; information commonly known to contractors doing business in the locality of the Site; information and observations obtained from visits to the Site; the Bidding Documents; and the Site-related reports and drawings identified in the Bidding Documents, with respect to the effect of such information, observations, and documents on (1) the cost, progress, and performance of the Work; (2) the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder, including applying the specific means, methods, techniques, sequences, and procedures of construction expressly required by the Bidding Documents; and (3) Bidder's safety precautions and programs.
  - F. Based on the information and observations referred to in Paragraph 3.01.E above, Bidder does not consider that further examinations, investigations, explorations, tests, studies, or data are necessary for the determination of this Bid for performance of the Work at the price(s) bid and within the times required, and in accordance with the other terms and conditions of the Bidding Documents.
  - G. Bidder is aware of the general nature of work to be performed by Owner and others at the Site that relates to the Work as indicated in the Bidding Documents.
  - H. Bidder has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Bidding Documents, and the written resolution thereof by Engineer is acceptable to Bidder.
  - I. The Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for the performance of the Work for which this Bid is submitted.
  - J. Where this Bid Form contains the provision for a bid based on a lump sum price, the Bidder shall be responsible for having prepared its own estimate of the quantities necessary for the satisfactory completion of the Work specified in these Contract Documents and for having based the lump sum price bid on its estimate of quantities.

#### **ARTICLE 4 – BIDDER'S CERTIFICATION**

4.01 Bidder certifies that:

- A. This Bid is genuine and not made in the interest of or on behalf of any undisclosed individual or entity and is not submitted in conformity with any collusive agreement or rules of any group, association, organization, or corporation;
- B. Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid;
- C. Bidder has not solicited or induced any individual or entity to refrain from bidding; and

- D. Bidder has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the Contract. For the purposes of this Paragraph 4.01.D:
1. "corrupt practice" means the offering, giving, receiving, or soliciting of anything of value likely to influence the action of a public official in the bidding process;
  2. "fraudulent practice" means an intentional misrepresentation of facts made (a) to influence the bidding process to the detriment of Owner, (b) to establish bid prices at artificial non-competitive levels, or (c) to deprive Owner of the benefits of free and open competition;
  3. "collusive practice" means a scheme or arrangement between two or more Bidders, with or without the knowledge of Owner, a purpose of which is to establish bid prices at artificial, non-competitive levels; and
  4. "coercive practice" means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process or affect the execution of the Contract.

**ARTICLE 5 – BASIS OF BID**

5.01 Bidder will complete the Work in accordance with the Contract Documents for the following price(s):

Item No.	Description	Estimated Qty.	Unit	Unit Price	Total Price
1.1	Mobilization/Demobilization*	LUMP SUM			\$
1.2	Sewer CCTV Inspection				
a.	Pre-Installation – 8-Inch Sewer	591	LF	\$	\$
b.	Pre-Installation – 10-Inch Sewer	218	LF	\$	\$
c.	Pre-Installation – 15-Inch Sewer	367	LF	\$	\$
a.	Post-Installation - 10-Inch Sewer	351	LF	\$	\$
b.	Post-Installation - 16-Inch Sewer	396	LF	\$	\$
1.3	New Trench Open Cut Gravity Sewer Installation				
a.	Install 10-Inch Diameter DIP Sewer	351	LF	\$	\$
Alt-a.	Install 10-Inch Diameter PVC Sewer	351	LF	\$	\$
b.	Install 16-Inch Diameter DIP Sewer	396	LF	\$	\$
Alt-b.	Install 15-Inch Diameter PVC Sewer	396	LF	\$	\$
1.4	Sewer Abandonment				
a.	8-Inch Sewer	591	LF	\$	\$
b.	10-inch Sewer	218	LF	\$	\$
c.	15-Inch Sewer	367	LF	\$	\$
d.	Manhole	2	EA	\$	\$
e.	Investigation of Sewer Laterals	100	LF	\$	\$
f.	Reconnection of Sewer Laterals	100	LF	\$	\$
1.5	New Precast Concrete Manhole				
a.	4-Foot Diameter Base, including Frame and Cover	6	EA	\$	\$
b.	4-Foot Diameter Riser Sections	56	VF	\$	\$
1.6	Pavement Removal and Replacement				
a.	Asphalt (Street)	484	SF	\$	\$

Item No.	Description	Estimated Qty.	Unit	Unit Price	Total Price
b.	Concrete Sidewalk	20	CY	\$	\$
c.	Curb and Gutter	100	LF	\$	\$
1.7	Restoration				
a.	Seeding	500	SY	\$	\$
1.8	Rock Removal	20	CY	\$	\$
1.9	Sewer Point Repair	1	EA	\$	\$
1.10	Bypass Pumping	1	LS	\$	\$
1.11	Fencing				
a.	New Fencing to Replace Existing	242	LF	\$	\$
b.	Remove and Reuse Existing Fencing	242	LF	\$	\$
1.12	Unsuitable Fill Removal and Replacement				
a.	On Site Disposal	400	CY	\$	\$
b.	Off Site Disposal	400	CY	\$	\$
1.13	Blast Monitoring	Allowance			\$ 10,000.00
1.14	Pre-Blast Survey	Allowance			\$ 5,000.00
1.15	Soils and Concrete Testing	Allowance			\$ 5,000.00
1.16	Construction Staking	Allowance			\$ 10,000.00
1.17	Construction Entrances	Allowance			\$ 5,000.00

**\*Project Mobilization/Demobilization shall not exceed a maximum of ten percent (10%) of total bid price**

BASE BID TOTAL, ITEMS 1.1 THROUGH 1.17, EXCLUDING LINE ITEMS 1.3 ALT-A AND 1.3 ALT-B (PVC PIPING), THE AMOUNT OF

\_\_\_\_\_ DOLLARS (\$\_\_\_\_\_).

ALTERNATE BID TOTAL, ITEMS 1.1 THROUGH 1.17, EXCLUDING LINE ITEMS 1.3A AND 1.3B (DUCTILE IRON PIPING), THE AMOUNT OF \_\_\_\_\_

\_\_\_\_\_ DOLLARS (\$\_\_\_\_\_).

The Base Bid and Alternate Bid Totals are mandatory. Owner reserves the right to award contract based on Base Bid, Alternate Bid or a combination of each.

Unit Prices have been computed in accordance with Paragraph 11.03.B of the General Conditions.

Bidder acknowledges that estimated quantities are not guaranteed and are solely for the purpose of comparison of Bids, and final payment for all Unit Price Bid items will be based on actual quantities, determined as provided in the Contract Documents.

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**ARTICLE 6 – TIME OF COMPLETION**

- 6.01 Bidder agrees that the Work will be substantially complete and will be completed and ready for final payment in accordance with Paragraph 14.07 of the General Conditions on or before the dates or within the number of calendar days indicated in the Agreement.
- 6.02 Bidder accepts the provisions of the Agreement as to liquidated damages.

**ARTICLE 7 – ATTACHMENTS TO THIS BID**

- 7.01 The following documents are submitted with and made a condition of this Bid:
- A. Statement of Bidders Qualifications
  - B. Affidavit of No Collusion by Prime Bidder
  - C. Drug-Free Workplace Affidavit
  - D. Iran Divestment Act Compliance Certification

**ARTICLE 8 – DEFINED TERMS**

- 8.01 The terms used in this Bid with initial capital letters have the meanings stated in the Instructions to Bidders, the General Conditions, and the Supplementary Conditions.

## ARTICLE 9 – BID SUBMITTAL

9.01 This Bid submitted by:

### An Individual

Name (typed or printed): \_\_\_\_\_

By: \_\_\_\_\_ (SEAL)  
*(Individual's signature)*

Doing business as: \_\_\_\_\_

Attest: \_\_\_\_\_  
(Notary)

Name (typed or printed): \_\_\_\_\_

### A Partnership

Partnership Name: \_\_\_\_\_ (SEAL)

By: \_\_\_\_\_  
(Signature of general partner – attach evidence of authority to sign)

Name (typed or printed): \_\_\_\_\_

Attest: \_\_\_\_\_  
(Signature of another Partner)

Name (typed or printed): \_\_\_\_\_

### A Corporation

Corporation Name: \_\_\_\_\_ (SEAL)

State of Incorporation: \_\_\_\_\_

Type (General Business, Professional, Service, Limited Liability): \_\_\_\_\_

By: \_\_\_\_\_  
(Signature)

Name (typed or printed): \_\_\_\_\_

Title: \_\_\_\_\_  
(CORPORATE SEAL)

Attest: \_\_\_\_\_  
(Signature of Corporate Secretary)

Name (typed or printed): \_\_\_\_\_

Date of Qualification to do business in Tennessee is \_\_\_\_\_

A Joint Venture

Name of Joint Venturer: \_\_\_\_\_

First Joint Venturer Name: \_\_\_\_\_ (SEAL)

By: \_\_\_\_\_  
(Signature of first joint venture partner)

Name (typed or printed): \_\_\_\_\_

Title: \_\_\_\_\_

Second Joint Venturer Name: \_\_\_\_\_ (SEAL)

By: \_\_\_\_\_  
(Signature of second joint venture partner)

Name (typed or printed): \_\_\_\_\_

Title: \_\_\_\_\_

(Each joint venturer must sign. The manner of signing for each individual, partnership, and corporation that is a party to the joint venture should be in the manner indicated above.)

**All Bidders shall complete the following:**

Bidder's Business address: \_\_\_\_\_  
\_\_\_\_\_

Phone: \_\_\_\_\_ Facsimile: \_\_\_\_\_

Primary Contact: \_\_\_\_\_

E-mail: \_\_\_\_\_

Submitted on \_\_\_\_\_, 201\_\_\_\_.

State Contractor License No. \_\_\_\_\_.

This document was prepared in part from material (EJCDC C-410 Suggested Bid Form for Construction Contracts) which is copyrighted as indicated below:

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1015 15th Street N.W., Washington, DC 20005  
(202) 347-7474  
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American Society of Civil Engineers  
1801 Alexander Bell Drive, Reston, VA 20191-4400  
(800) 548-2723  
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## Part 1 General

### 1.1 Scope

- A. The Bid lists each item of the Project for which payment will be made. No payment will be made for any items other than those listed in the Bid.
- B. Required items of work and incidentals necessary for the satisfactory completion of the work which are not specifically listed in the Bid, and which are not specified in this section to be measured or to be included in one of the items listed in the Bid, shall be considered as incidental to the work. All costs thereof, including Contractor's overhead costs and profit, shall be considered as included in the lump sum or unit prices bid for the various Bid items. The Contractor shall prepare the Bid accordingly.
- C. Work includes furnishing all plant, labor, equipment, tools and materials, which are not furnished by the Owner and performing all operations required to complete the work satisfactorily, in place, as specified and as indicated on the Drawings and Specifications.

### 1.2 Descriptions

- A. Measurement of an item of work will be by the unit indicated in the Bid.
- B. Final payment quantities shall be determined from the documented field measurements. The precision of final payment quantities shall match the precision shown for that item in the Bid.
- C. Payment will include all necessary and incidental related work not specified to be included in any other item of work listed in the Bid.
- D. Unless otherwise stated in individual sections of the Specifications or in the Bid, no separate payment will be made for any item of work, materials, parts, equipment, supplies or related items required to perform and complete the work. The costs for all such items required shall be included in the price bid for item of which it is a part.
- E. Payment will be made by extending unit prices multiplied by quantities provided and then summing the extended prices to reflect actual work. Such price and payment shall constitute full compensation to the Contractor for furnishing all plant, labor, equipment, tools and materials not furnished by the Owner and for performing all operations required to provide to the Owner the entire Project, complete in place, as specified and as indicated on the Drawings.
- F. "Products" shall mean materials or equipment permanently incorporated into the work.

### 1.3 General

- A. No separate payment shall be made for clearing and constructing access roads to sewers.
- B. The cost of moving and reestablishing landscape features, including labor and materials, shall be included in the unit price bid for the item to which it pertains.
- C. No separate payment shall be made for the cost incurred to repair damaged property. This includes concrete or asphalt driveways, except where payment is authorized for Same Trench Sewer Replacement.
- D. Construction Along Highways, Streets and Roadways: No separate payment shall be made for traffic control or maintaining highways, streets, roadways and driveways.
- E. No additional payment will be made for replacement of defective materials.
- F. All costs related to the implementation of the easement and permit stipulations shall be included in the unit price bid for the item to which it pertains.
- G. No separate payment will be made for clean-up and testing. Any cost for labor, materials and equipment required for clean-up shall be included in the unit price bid for the item to which it pertains.
- H. No separate or additional payment will be made for any special or unique method, means, techniques or equipment necessary for the Contractor's compliance with these Specifications, regulatory requirements, permits, laws or regulations which govern this Project.
- I. No separate or additional payment will be made for by-pass pumping or sewer flow control.
- J. No additional payment will be made for restoring concrete lined channels or concrete bridges as noted in the Drawings.

### 1.4 Mobilization/Demobilization

- A. Mobilization/Demobilization at the project site shall be paid as a lump sum item. Payment shall be reviewed at each pay request, but no more than 50% will be paid to include upfront Contractor incurred mobilization costs. This pay item specifically includes: all costs associated with mobilizing/demobilizing equipment, staff, and materials necessary to complete work; temporary and/or permanent erosion and sedimentation controls or replacement of landscaping disturbed by inspection, replacement or rehabilitation activities; and all costs associated with traffic control.

## 1.5 Erosion and Sedimentation Control

- A. No separate payment shall be made for temporary and/or permanent erosion and sedimentation controls or replacement of landscaping disturbed by inspection, replacement or rehabilitation activities. All temporary and/or permanent erosion and sedimentation control costs shall be included in the Mobilization/Demobilization line item.
- B. No payment will be made for any portion of the Project for which temporary erosion and sedimentation controls are not properly maintained.

## 1.6 Pre-Installation and Post-Installation Closed Circuit Television (CCTV) Inspection of Sewers and Service Laterals

- A. Payment will be made at the unit price bid for each pipe diameter and should include cleaning of the pipe if required. Quantities shall be determined from field measurements verified in writing by the Engineer.
- B. Measurement for payment for sewers shall be from centerline of manhole to centerline of manhole.
- C. Payment will be based on the actual footage of pipe inspected and shall include all items necessary to perform the specified work and provide the specified work product.
- D. If any pipe must be re-inspected as requested by the OWNER than it shall be at the contractor's expense.

## 1.7 New Trench Open Cut Gravity Sewer Installation

- A. Existing Utilities and Obstructions
  - 1. Horizontal Conflict: Payments for conflicts with existing utilities shall be made only where additional manholes and/or additional lengths of pipe are approved by the Engineer. Said payment shall be made at the unit prices in the Bid. No other payment will be made for any delay or extra cost encountered by the Contractor due to protection, avoidance or relocation of existing utilities, mains or services or changing the horizontal alignment of the sewer.
  - 2. Vertical Conflict: Where authorized by the Engineer, payment for additional pipe length required to avoid vertical conflicts shall be made at the unit prices bid for gravity sewer. No payment will be made for relocation of existing utilities.
- B. Location and Grade: An allowance has been included in the bid form for survey work performed by or for the Contractor in the establishment of reference points, bench marks, limits of right-of-way or easement, including their restoration, as well as centerline or baseline points.

- C. Trench Excavation: No separate payment will be made for trench excavation. All costs, including concrete removal shall be included in the unit price bid.
- D. Sheet piling, Bracing and Shoring: No separate payment will be made for providing any sheet piling, bracing and shoring.
- E. Dewatering Excavations: All costs of equipment, labor and materials required for dewatering shall be included in the price bid for the item to which it pertains.
- F. Trench Stabilization
  - 1. No payment for trench stabilization shall be authorized until after the trench has been dewatered. If the pipe is installed in an inadequately prepared trench bottom, the Engineer shall notify the Contractor in writing of the deficiency and will not authorize payment for that portion of that length of pipe which was improperly installed.
- G. Bedding and Haunching
  - 1. The unit price bid for pipe for gravity sewer shall include excavation of the trench to the depth below the pipe necessary to provide specified bedding and to lay the sewer to grade.
  - 2. No additional payment will be made for additional trench depth.
  - 3. No separate payment will be made for material used to provide specified bedding. The cost of all bedding materials shall be included in the unit price bid for the item to which it relates, except for trench stabilization.
  - 4. No additional payment will be made for improved bedding required to compensate for over excavation of the trench.
- H. Initial Backfill
  - 1. No separate payment shall be made for initial backfill.
  - 2. No separate payment shall be made for drying out the initial backfill material in order to meet the compaction requirements.
  - 3. No separate payment shall be made for the adding of moisture to the initial backfill materials in order to meet the compaction requirements.
  - 4. No separate payment shall be made for providing select material if the insitu material cannot meet the compaction requirements.
- I. Final Backfilling
  - 1. No additional payment will be made for additional material when excavated materials are used.

2. No separate payment shall be made for drying out the final backfill material in order to meet the compaction requirements.
  3. No separate payment shall be made for the adding of moisture to the final backfill materials in order to meet the compaction requirements.
  4. No additional payment will be made for providing select material if the insitu material cannot meet the compaction requirements.
- J. Additional Material: No separate payment will be made for additional earth or fill materials imported to the Project site.
- K. No separate payment shall be made for detection tape, polyethylene encasement, or tracing wire.
- L. No payment will be made for cutting and beveling pipe.

## 1.8 Sewer Abandonment

- A. Payment shall be at the unit price per linear foot for pipes and per each for manholes. Both shall include all labor, materials, and equipment for the diameter size shown. Quantities shall be determined from field measurements verified in writing by the Engineer.
- B. Investigate sewer laterals where indicated on the drawings or if discovered in Pre-Installation CCTV inspection to determine if still in service or abandoned. Investigation of sewer laterals to be priced by the linear foot. If determined that sewer lateral is still in service, installation of lateral sewer to connect to new sewer mains to be priced by the linear foot. No separate pay item for incidentals such as piping connections or sewer abandonment.

## 1.9 Pre-cast Concrete Manhole Replacement

- A. Measurement for payment at the unit price for manholes shall be made on a unit quantity basis.
- B. Payment for pre-cast concrete manhole replacement shall include penetrations for influent and effluent pipelines regardless of diameter.
- C. No separate or additional payment will be made for testing (for both pre-cast structure and coating), bedding, or connecting pipes to manholes.
- D. No separate or additional payment will be made for excavation, crushed stone or other backfill.

## 1.10 Removing and Replacing Pavement

- A. Payment for removing and replacing pavement will be made as a separate item based on the measured quantity replaced at the unit price in the Bid. The unit price bid shall include all costs associated with removing and replacing pavement, including providing select backfill if necessary, traffic control and temporary measures for maintaining traffic. Only those lengths of pavement replacement associated with Same Trench Sewer Replacement or Open Cut Service Lateral Replacement will be eligible for payment.

Payment for removing and replacing pavement will be made only for that length for which the pipeline is constructed underneath the pavement as shown on the Drawings.

- B. Payment for soils testing shall be made from the "soils and concrete testing" cash allowance. No payment shall be made for tests that fail to verify required results.
- C. No additional payment will be made for removing and replacing damaged adjacent pavement.
- D. Payment for curb and gutter replacement shall be made by the linear foot.

## 1.11 Restoration

- A. Seeding: Payment will be by the square yard and shall include all labor and materials as described in the contract documents. Quantities shall be determined from field measurements verified in writing by the Engineer.

## 1.12 Clean-Up

- A. No payment will be made for any portion of the Project for which clean-up and restoration has not been completed, to the satisfaction of the Engineer and Owner.

## 1.13 Rock Excavation

- A. Payment will be by the cubic yard by the method used as indicated. The unit price bid shall include all labor, materials, equipment, hauling, and removal costs associated with removing rock during excavation.

## 1.14 Sewer Point Repair

- A. Payment for point repairs shall be at the unit price bid for each point repair complete in place including all material required to make repair.

### 1.15 Bypass Pumping

- A. Payment for bypass pumping shall be lump sum. The price shall include all labor, materials, equipment, hauling, and removal costs for bypass pumping for required duration.

### 1.16 Fencing

- A. Payment shall be at the unit price per linear foot for new fence to replace existing. This shall include all labor, materials, and equipment for fence. Quantities shall be determined from field measurements verified in writing by the Engineer. No separate payment shall be made for demolition, disposal, or associated site work.
- B. Payment shall be at the unit price per linear foot for reusing and replacing existing fencing. This shall include all labor, materials, and equipment for fence. Quantities shall be determined from field measurements verified in writing by the Engineer. No separate payment shall be made for associated site work.

### 1.17 Unsuitable Fill Removal and Replacement

- A. Payment shall be at the unit price per cubic yard for removal and onsite disposal of unsuitable fill material as directed by the Engineer. This shall include all labor, materials, equipment, and transportation costs. Quantities shall be determined from field measurements verified in writing by the Engineer.
- B. Payment shall be at the unit price per cubic yard for removal and offsite disposal of unsuitable fill material as directed by the Engineer. This shall include all labor, materials, equipment, and transportation costs. Quantities shall be determined from field measurements verified in writing by the Engineer.

### 1.18 Cash Allowances

- A. General
  - 1. The Contractor shall include in the Bid Total all allowances stated in the Contract Documents. These allowances shall cover the net cost of the services provided by a firm selected by the Owner. The Contractor's handling costs, labor, overhead, profit and other expenses contemplated for original allowance shall be included in the items to which they pertain and not in allowances.
  - 2. No payment will be made for nonproductive time on the part of testing personnel due to the Contractor's failure to properly coordinate testing activities with the work schedule or the Contractor's problems with maintaining equipment in good working condition. The Contractor shall make all necessary excavations and shall supply any samples of materials necessary for conducting compaction, density tests, concrete tests, cured-in-place pipe samples and any other samples required for testing.

3. No payment shall be provided for services that fail to verify required results.
- B. Should the net cost be more or less than the specified amount of the allowance, the Contract will be adjusted accordingly by change order. The amount of change order will not recognize any changes in handling costs at the site, labor, overhead, profit and other expenses caused by the adjustment to the allowance.
- C. Documentation
  1. Submit copies of the invoices with each periodic payment request from the firm providing the services.
  2. Submit results of services provided which verify required results.
- D. Schedule of Cash Allowances
  1. Blast Monitoring
  2. Pre-Blast Survey
  3. Soils and Concrete Testing
  4. Construction Staking
  5. Construction Entrances

## Part 2 Products

(NOT USED)

## Part 3 Execution

(NOT USED)

END OF SECTION

1110 Market Street, Suite 200  
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## MEETING NOTES

**Date of Meeting:** November 14, 2019  
**Project:** Lupton City Mill Sewer Relocation  
**Subject:** Pre-Bid Meeting  
**Meeting Location:** Moccasin Bend Wastewater Treatment Plant – Training Center  
**Barge Project No.:** 37001-00

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**PARTICIPANTS:** See attached sign-in sheet

Copy to: Jacobs SharePoint

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### ITEMS DISCUSSED:

1. Introductions
  - a. Owner – City of Chattanooga
  - b. Program Manager – Jacobs
  - c. Engineer – Barge Design Solutions

2. Project Scope/Description

Installing approximately 750 feet of 16-inch and 10-inch gravity sanitary sewer by open cutting to replace existing sewer. The existing sewer is to be grout filled and abandoned in place. Six manhole frames and covers are to be furnished and installed. One section of existing 10-inch pipe is to be repaired. The project also consists of all necessary connections, bypass pumping, sitework, and other tasks necessary to complete the Scope of Work as dictated in the contract drawings and specifications.

3. Bid Documents

- a. Refer to Section 00 21 13 Instructions to Bidders
- b. Purchase Bids from 8:00 a.m. to 4:30 p.m., Monday through Friday, at the City of Chattanooga Purchasing Department, 101 East 11th Street, Suite G13, Chattanooga, TN 37402, phone (423) 757-5184, fax (423) 757-0949.
- c. Cost of contract documents is \$50 per set. No part of the purchase will be refunded for any reason.
- d. Bid Bond in the amount of 5% of Bid with Surety licensed to do business in TN and listed in U.S. Treasury Circular 570.
- e. No bid withdrawn within 120 calendar days of receipt of bids.

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#### 4. Qualifications

- a. Refer to Section 00 21 13 Instructions to Bidders, and Section 00 45 13 Statement of Bidder's Qualifications
  - i. Bidder shall maintain permanent place of business.
  - ii. Must be licensed by State of Tennessee to perform work under contract.
  - iii. Bidder shall demonstrate adequate construction experience and sufficient equipment resources to properly perform work.
  - iv. Owner reserves the right to reject any bid if bidder fails to satisfy qualifications.

#### 5. Bidding Requirements

- a. Bid Bond in the amount of 5% of Bid with Surety licensed to do business in TN and listed in U.S. Treasury Circular 570.
- b. No bid withdrawn within 120 calendar days of receipt of bids.
- c. Section 00 45 77 – Contractor's Identification must be completed, with one copy attached to the bid package, and one copy inside the bid package.

#### 6. Bidder Questions and Addenda

- a. Use Section 00 21 14 – Request for Bidder Information. Submit by fax, email or mail to City of Chattanooga Purchasing Department. [purchasing@chattanooga.gov](mailto:purchasing@chattanooga.gov).
- b. Questions received less than ten (10) days prior to the date for opening the bids may not be answered.
- c. Required to purchase set of plans and specifications to get on the plan holders list. Only bidders on plan holders list will receive addenda; which must be acknowledged in the Bid Form.

#### 7. Bid Opening

- a. Date/Time – December 5, 2019 at 2:00 PM
- b. Location – City of Chattanooga Purchasing Department, 101 East 11<sup>th</sup> Street, Suite G13, Chattanooga, TN

#### 8. Contract Completion Time

- a. Substantial Completion within 240 Calendar Days of Notice To Proceed
- b. Final Completion within 270 calendar days of Notice To Proceed
- c. Start of construction is estimated to be beginning to mid-January.

#### 9. Liquidated Damages

- a. \$500 for each day after Substantial Completion if work is deemed not to be substantially complete, and \$500 for each day after Final Completion if contractor has not completed the work.

#### 10. Project Specific Requirements

- a. Sequencing – asbestos abatement is currently happening on the site.
- b. Traffic control
- c. Work on abandoned mill site

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11. Site Access

- a. All work to be completed shall be on the City of Chattanooga's property or easements.
- b. If needed, the contractor is responsible for acquiring all required right of entry and temporary construction easements on private properties in order to access existing sewers and perform the required work.
- c. Entry onto abandoned mill site.

12. Safety

- a. Refer to Section 00 72 00 and 00 73 00 General Conditions

13. Work Hours

- a. Work Hour Restrictions – Work hours shall be 7:00 a.m. to 6:00 p.m. Monday-Friday unless City has more specific restrictions.

15. Allowances

- a. The contractor shall include in the Bid Total all allowances stated in the contract documents. These allowances shall cover the net cost of the services provided.

16. Other Items

- a. Construction in the abandoned mill site will be coordinated with the City.
- b. It is the contractors responsibility to repair any existing utilities that are damaged during construction.
- c. Permitting – contractor's responsibility to pull permits.
- d. The items discussed here today are not intended to be all-inclusive. It is the contractor's responsibility to review the contract documents and comply with all provisions.
- e. Plan holder's list updated every Friday.

17. Questions – all questions must be sent to purchasing.

- a. Where to put erosion control in Bid Form?
- b. Is contractor in charge of security of the site once the fence is taken down?
- c. The lines have been CCTV'd for condition assessment only. More current footage is required.
- d. Can traffic control have an independent line item?
- e. Foundry sand on the site is not likely.
- f. The boring log is included in the flash drives.

These notes represent my understanding of items discussed and conclusions reached. Participants are requested to review these items and advise of necessary corrections or revisions.

**Signed: Emily Gottberg**

**Date: November 14, 2019**

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