

ADDENDUM NO. 1

**REHABILITATION OF DOBBS BRANCH 3 SUB-BASIN
CONTRACT NO. W-12-028-201**

CITY OF CHATTANOOGA, TENNESSEE

The following changes shall be made to the Contract Documents and Specifications:

- 1. The attached Pre-Bid Meeting Notes and questions/responses shall become part of the Contract Documents.**
- 2. The attached Pre-Bid Meeting Attendance shall become part of the Contract Documents.**
- 3. Contractor Questions submitted to City Purchasing:**

- a. Question 1: Will the City provide a spreadsheet with all manhole to manhole sections, manhole depths, manhole numbers, etc.?
- b. Response 1: No.

- 4. Specification Certification and Seal, second page of the specification book:**

Replace the Certification and Seal page with the attached revised page.

- 5. Section 00 41 00 Bid Form:**

Replace the Bid Form with the attached revised version. Discard the original Bid Form and provide the revised version with the bid.

Note that Bid items 9a. and 9b. have been combined and subsequent bid items have been renumbered.

- 6. Section 00 51 43, Part 2.01.A:**

Delete all the text and the table in Part A.

Replace with the following text:

"Bypass pumping systems shall have sufficient capacity to pump all flows as necessary to perform the work described in the Contract Documents."

- 7. Contract Specifications, Appendix A:**

Replace the first page in Appendix A, the blank Land Disturbance Permit (LDP) form with the attached approved LDP for this project. The Contractor is responsible for final submittal and payment of the LDP before issuance.

Add the attached Street Cut Permit and Street Cut Bond as Pages 2 and 3 of Appendix A.

8. Section 01 22 00, Part 1.03 General:

Add the following sentence as 1.03.J:

“No separate payment will be made for permits including Land Disturbance, Street Cut Permits and other permits required. A Street Cut Permit is required for each street cut location under this Contract.”

Add the following sentence as 1.16.E:

“Measurement for payment of flowable fill will be made for each cubic yard installed. Flowable fill shall replace “Type ‘A’ Crushed Stone” backfill as shown in the City Standard Details within the Contract Drawings for pavement restoration.”

Add the following sentence as 1.16.F:

“Payment for flowable fill will be made at the unit price in the Bid”

9. Section 00 11 16, page 2, 8th paragraph:

Delete the following sentence:

“The allotted time for construction is 290 calendar days”

Replace with the following sentence:

“The allotted time for construction is 220 calendar days”

10. Section 00 52 00, 4.02.A

Delete the following paragraph:

“The Work will be substantially completed within 180 days after the date when the Contract Times commence to run as provided in Paragraph 2.03 of the General Conditions, and completed and ready for final payment in accordance with Paragraph 14.07 of the General Conditions within 210 days after the date when the Contract Times commence to run.”

Replace with the following paragraph:

“The Work will be substantially completed within **190** days after the date when the Contract Times commence to run as provided in Paragraph 2.03 of the General Conditions, and completed and ready for final payment in accordance with Paragraph 14.07 of the General Conditions within **220** days after the date when the Contract Times commence to run.”

11. Contract Drawings 00C-01 through 00C-12:

All instances where manhole rehabilitation notes call out “Install Type 1 Liner” or “Install Type 2 Liner” should be replaced with “Install Polymer Resin-Based Liner”.

12. Replace Contract Drawing 00G-01 with the attached revised version.

Revisions include updated Mayor, City Council and Public Works persons and City Engineer signature.

13. Replace Contract Drawing 00G-02 with the attached revised version.

Revisions include updated general notes for manhole rehabilitation, traffic control and service lateral connections.

January 7, 2016

**Lee Norris, Administrator
City of Chattanooga
Department of Public Works**



Meeting Notes

Project:	Rehabilitation of Dobbs Branch 3 Sub-basin		
Subject:	Pre-Bid Meeting		
Meeting Date:	December 17, 2015, 10:00 AM EST	Meeting Location:	MBWWTP Training Facility
Attendees:	See attached list		

1. Justin Bolender made an introduction; he is the Engineer of Record. Attendees in the room each made a verbal introduction.
2. Justin Bolender explained the Project Scope, which is summarized in the bullets below:
 - a. CIPP: 19,500 LF of 8-inch, 8,300 LF of 10-inch, 4700 LF of 12-inch
 - b. MH Rehab: Approx. 900 VF of Polymer Resin-Based Lining
 - c. Twenty three point repairs
 - d. Open cut replace: 650 LF total, 8 and 10-inch
 - e. Pipe Burst: Approx. 250 LF of 10-inch HDPE under railroad
3. Justin Bolender went through the items below:
 - a. Bid Opening: 1/12/16, 2:00 PM, City Purchasing, G13
 - b. Anticipated Notice to Proceed Timeframe: April 2016
 - c. Construction Duration: Substantial Completion 220 days
 - d. Final Contractor Questions Due: 4:00 PM, 1/5/16
 - i. All technical questions use 00 21 14 Request for Bidder Information
 - e. Submittal of Bid – One original and two copies in sealed envelope, attach a copy of 00 45 77 Contractor Identification to outside of envelop
4. Justin Bolender explained this project is being funded through the State Revolving Fund (SRF) through TDEC. The following items have specific requirements described in the Contract Document:
 - a. Prevailing wage rates (Davis Bacon)
 - b. American Iron and Steel (AIS)
 - c. The low bidder will be required to show his/her due diligence for consideration of Disadvantaged Business Enterprises.
5. Justin Bolender explained that the Southeast Tennessee Development District will be handling the payroll for this project. They will be conducting interviews with employees to check conformance with the Contract requirements regarding wages, etc.

6. Justin Bolender emphasized the following items:

- a. Traffic control will be the responsibility of the Contractor. The details of the traffic control will be in accordance with Rick Davis with City of Chattanooga Traffic Control.
- b. Work detailed on Contract Drawing 00C-25 for the pipe bursting section requires coordination with the Hamilton Country Railroad Authority (HCRA). Justin Bolender expressed that Contractors should pay special attention to the requirements described in the notes on this drawing. Justin stated the Contractor must coordinate the timing of this work with the HCRA and complete the work on this segment within one week or be subject to a \$7,500 fee for each consecutive week the railroad is out of service.

7. Contractor Questions

Q1: Will CCTV videos of the existing sewers be shared with the bidders?

R1: No.



Meeting Attendance

Project: Rehabilitation of Dobbs Branch 3 Sub-basin

Date: Thursday, December 17, 2015

Subject: Pre-Bid Meeting

Location: MBWWTP Training Facility

Attendee & Title	Organization	Telephone	Email
Jeff Oberhofer	SAK Construction	602-614-3019	joberhofer@SAKCON.com
BONNIE MUMPOWER DODSON	COC	643 6031	Bmumpower@CHATTANOOGA.GOV
DENNIS MALONE	COC	643 6188	DMALONE@CHATTANOOGA.GOV
GORDON PHILLIPS	COC	643 6191	GPHILLIPS@CHATTANOOGA.GOV
ANDREW HUTSELL	COC	643 6045	AHUTSELL@CHATTANOOGA.GOV
ERIC BROOKS	COC	643 3302	EBROOKS@CHATTANOOGA.GOV
Vince Bayles - Estimator / PM	Portland UT: Const.	865-670-7986	vincebayles@Pucc.org
Ryan Miller - Insituform	Insituform Technologies, LLC	615-967-8462	rmiller@insituform.com
Charlotte Reed	CTR Coatings	317-797-7214	ctrcoatings@gmail.com
Wray Reed	CTR Coatings	317-710-2144	wreed.ctrcoatings@gmail.com
Will Shelton	JACOBS	864-593-7703	will.shelton@jacobs.com
Geoffrey Hipp	City Purchasing	423-643-7233	g.hipp@chattanooga.gov

CITY OF CHATTANOOGA
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

CERTIFICATION AND SEAL

I hereby certify that the Project Drawings and the Contract Documents and Specifications for the following contract were prepared by me or under my direct supervision, and that I am a duly registered engineer under the laws of the state in which these projects are located:

Rehabilitation of Dobbs Branch 3 Sub-basin

CONTRACT NO. W-12-028-201



Tennessee P.E. Number 115591

JAN. 4, 2016

(Date)

APPROVED FOR RELEASE

William Payne 01-05-16
William Payne, P.E.
City Engineer

Bid Form

- 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.

Bid Form

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 Quantity	Unit	Unit Cost	Total Cost
1	Mobilization/Demobilization	1	LS		
2	8-Inch Sewer Cured-In-Place Rehabilitation				
a	Pre-Installation Cleaning - Normal	20,000	LF		
b	Pre-Installation Cleaning - Heavy	3,000	LF		
c	6.0 mm CIPP Complete and In-Place to Include Bypass Pumping	20,000	LF		
d	Pre-Installation CCTV - 8-Inch Sewer	20,000	LF		
e	Post-Installation CCTV - 8-Inch Sewer	20,000	LF		
f	Remove Protruding Service Lateral in 8-Inch Sewer	20	EA		
g	Service Lateral Reinstatement Coring and Brushing for 8-inch Sewers	375	EA		
h	Service Lateral Seal, 3-feet length for 8-inch Diameter Sewers	80	EA		
i	Point Repair Up to 12-feet in Length	11	EA		
3	10-Inch Sewer Cured-In-Place Rehabilitation				
a	Pre-Installation Cleaning - Normal	8,400	LF		
b	Pre-Installation Cleaning - Heavy	1,000	LF		
c	6.0 mm CIPP Complete and In-Place to Include Bypass Pumping	4,400	LF		
d	7.5 mm CIPP Complete and In-Place to Include Bypass Pumping	4,000	LF		
e	Pre-Installation CCTV - 10-Inch Sewer	8,400	LF		
f	Post-Installation CCTV - 10-Inch Sewer	8,400	LF		
g	Remove Protruding Service Lateral in 10-Inch Sewer	10	EA		
h	Service Lateral Reinstatement Coring and Brushing for 10-inch Sewers	70	EA		
i	Service Lateral Seal, 3-feet length for 10-inch Diameter Sewers	20	EA		
j	Point Repair Up to 12-feet in Length	10	EA		
3	12-Inch Sewer Cured-In-Place Rehabilitation				
a	Pre-Installation Cleaning - Normal	4,900	LF		
b	Pre-Installation Cleaning - Heavy	1,000	LF		
c	7.5 mm CIPP Complete and In-Place to Include Bypass Pumping	900	LF		
d	9.0 mm CIPP Complete and In-Place to Include Bypass Pumping	4,000	LF		
e	Pre-Installation CCTV - 12-Inch Sewer	4,900	LF		
f	Post-Installation CCTV - 12-Inch Sewer	4,900	LF		

g	Remove Protruding Service Lateral in 12-Inch Sewer	10	EA		
h	Service Lateral Reinstatement Coring and Brushing for 12-inch Sewers	31	EA		
i	Service Lateral Seal, 3-foot length for 12-inch Diameter Sewers	5	EA		
j	Point Repair Up to 12-feet in Length	2	EA		
4	Same Trench Sewer Replacement				
a	Remove existing 8-inch Diameter Sewer and Replace with 8-inch diameter PVC Pipe Sewer	416	LF		
b	Remove existing 10-inch Diameter Sewer and Replace with 10-inch diameter PVC Pipe Sewer	10	LF		
c	Remove existing 10-inch Diameter Sewer and Replace with 10-inch diameter DR11 HDPE Pipe Sewer	75	LF		
d	Remove existing 12-inch Diameter Sewer and Replace with 12-inch diameter PVC Pipe Sewer	80	LF		
e	Connect to Existing MH with 8-Inch Sewer	13	EA		
f	Connect to Existing MH with 10-Inch Sewer	7	EA		
g	Connect to Existing MH with 12-Inch Sewer	1	EA		
5	New Sewer Installation				
a	10-Inch PVC Pipe Sewer in New Alignment	184	LF		
6	Sewer Replacement by Pipe Bursting				
a	Replace existing 10-Inch Diameter Sewer with 10-Inch HDPE Pipe Sewer	256	LF		
7	Open Cut Service Lateral Replacement / Installation				
a	Open Cut Tap Repair on 10-inch Diameter Sewer	3	EA		
b	Open Cut Service Lateral Replacement / Installation / 4-inch PVC (0-Foot to 8-Feet Cut)	325	LF		
c	New Clean-Out for Open Cut Replacement Laterals	10	EA		
d	Repair Smoke Testing Defect	8	EA		
8	Manholes - Surface Rehabilitation				
a	Replace existing Frame and Cover with New Standard Frame and Cover	3	EA		
b	Chimney Seal - Wide Width (10-Inch)	5	EA		
c	Locate Existing Manhole and Uncover	16	EA		
d	Raise 4-Foot Diameter Manhole to Grade	16	EA		
e	Inflow Dish	20	EA		
f	Rebuild Brick Chimney	4	EA		
g	Reattached Existing Frame and Cover to Ex. Manhole	3	EA		

Bid Form

9	Manholes - Subsurface Rehabilitation				
a	Polymer Resin-Based Type 1 Liner in 4-Foot Diameter Manhole	913	VF		
b	Plug 8, 10 or 12-Inch Sewer and Make Watertight	7	EA		
c	Rebuild Bench and Invert in 4-Foot Diameter Manhole	2	EA		
10	New Precast Concrete Manhole				
a	4-Foot Diameter Base, including Frame and Cover	14	EA		
b	4-Foot Diameter Risers	112	VF		
c	Penetrations to New Precast Manhole for 8-inch Pipe Sewer	4	EA		
d	Penetrations to New Precast Manhole for 10-inch Pipe Sewer	4	EA		
11	Pavement Removal and Replacement				
a	Removal and Placement of Asphalt Pavement	737	LF		
b	Removal and Placement of Concrete Pavement	55	LF		
c	Placement of Flowable Fill	807	CY		
12	Concrete				
a	Concrete Encasement	15	CY		
13	Trench Stabilization				
a	Crushed Stone	100	CY		
b	Filter Fabric	2,000	SF		
	Subtotal				
14	Cash Allowance - Soil and Concrete Testing	1	LS	\$ 10,000	\$ 10,000
15	Cash Allowance - Construction Verification Surveying	1	LS	\$ 10,000	\$ 10,000
16	Cash Allowance - Cured-In-Place Pipe Testing, Laboratory Services	1	LS	\$ 10,000	\$ 10,000
17	Cash Allowance - Point Repairs	1	LS	\$ 10,000	\$ 10,000
	Grand Total				

BID TOTAL, ITEMS 1 THROUGH 17, INCLUSIVE, THE AMOUNT OF _____

_____ DOLLARS (\$ _____).

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.

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. Attestation Regarding Personnel Used in Contract Performance
 - E. Certification By Proposed Prime or Subcontractor Regarding Equal Employment Opportunity
 - F. Certification Regarding Debarment, Suspension and Other Responsibility Matters

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.

Bid Form

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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1420 King Street, Alexandria, VA 22314-2794
(703) 684-2882
www.nspe.org

American Council of Engineering Companies
1015 15th Street N.W., Washington, DC 20005
(202) 347-7474
www.acec.org

American Society of Civil Engineers
1801 Alexander Bell Drive, Reston, VA 20191-4400
(800) 548-2723
www.asce.org

Associated General Contractors of America
2300 Wilson Boulevard, Suite 400, Arlington, VA 22201-3308
(703) 548-3118
www.agc.org

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City of Chattanooga, TN

Land Development Office

Plans Review Services

1250 Market Street • Suite 1000 • Chattanooga, TN 37402

Phone: (423) 643-5800 Fax: (423) 643-5848

DOBBS BRANCH REHAB

LAND DISTURBING PERMIT APPLICATION

Not Refundable

Permit No. <u>15-40604</u>
Permit Fee (\$30/acre - \$100 minimum) \$ <u>100</u>
Double Fee, if applicable \$ _____
Residential Fill Fee \$25.00 (if applicable) \$ _____
Technology Fee \$ _____ 10.00
Admin. Charge \$ _____ 5.00
Certificate of Occupancy Fee \$ _____
TOTAL FEE \$ _____

Please Print Clearly or Type	Contract Value Of Work: \$ _____		Fee Adjustment: \$ _____		Approved by _____	
	PROPERTY ADDRESS					
	Number and Street Name E. 23rd Street			Suite / Unit Number	Zip Code 37408	
	State Tax Map Number <u>156A-D-001</u>		Lot Number	Subdivision Name		
Ownership is: <input type="checkbox"/> Private <input checked="" type="checkbox"/> Public (Government)						
Name		Mailing Address - Number, Street, City, ST & Zip Code		Telephone Number		
Owner	First	Last				
	Company City of Chattanooga		<u>1250 MARKET ST.</u>		E-mail Address:	
Contractor	First	Last				
	Company		State Lic. #	County Lic. #	City Business Lic. #	Worker's Comp? Yes <input type="checkbox"/> Exempt <input type="checkbox"/>
Engineer	First Justin	Last Bolender				<u>423-414-3559</u>
	Company HDR Engineering, Inc.		State Lic. #	County Lic. #	City Business Lic. #	E-mail Address: Justin.bolender@hdrinc.com
Applicant / Agent	First	Last				
	Company or Relationship to Appl.				E-mail Address:	

TYPE OF WORK <input type="checkbox"/> New Construction <input type="checkbox"/> Addition <input checked="" type="checkbox"/> Alteration <input type="checkbox"/> Clearing Only <input type="checkbox"/> Excavation <input type="checkbox"/> Grading Only <input type="checkbox"/> Demolition Only <input type="checkbox"/> Repair / Replace	PROPERTY OCCUPIED/USED AS ZONED <input type="checkbox"/> Institutional <input type="checkbox"/> Industrial <input checked="" type="checkbox"/> Residential <input checked="" type="checkbox"/> Commercial	Disturbed Acreage: 0.5 For sites 1 acre and over of a larger development, a NPDES Construction Stormwater Permit must be obtained before Issuance of this permit. Please attach a copy of this permit or Copy of the completed Notice of Intent (N.O.I.) to this Application. NOI, NPDES or NOC: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes
	Proposed Starting Date: April, 2016 Projected Completion Date: January 2017 This permit will expire on this date if an Extension is not requested in writing within 30-days of termination.	

LAND DISTURBING PERMITS ISSUED FOR FILLING IN ON ADJOINING, RESIDENTIAL ZONED PROPERTIES ARE VALID FOR A PERIOD OF ONE-YEAR FROM DATE OF ISSUANCE. IN ADDITION, SPECIAL REGULATIONS APPLY. SEE CITY ORDINANCE 10708.	Preconstruction Impervious Acreage = 3.0 Postconstruction Impervious Acreage = 3.0 Change in Impervious Acreage = 0 If construction results in an increase in impervious Acreage, provide a Hydrology Report from a TN P.E. (2 copies) Hydrology Report: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	PLANS REVIEW INFORMATION (For Office Use Only) Zoning Classification: <u>M-1</u> Adjacent Zoning: <u>C-2, R-1</u> Conditional Zoning: <input type="checkbox"/> No <input type="checkbox"/> Yes Ordinance/Resolution #: _____ Flood District: <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes Elevation: _____ ft. FIRM Map No.: _____ Elevation Certificate: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Historic District: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Which Historic District? _____ COA: _____ Overlay District: <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes Fire District: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes P.U.D.: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes
---	--	---

I certify under the penalty of law that I have examined and am familiar with the information submitted and believe the submitted information to be true and accurate. THE GRANTING OF THIS PERMIT DOES NOT AFFECT ANY RIGHTS THIRD PARTIES MAY HAVE PURSUANT TO DEED-RESTRICTIONS, COVENANTS RUNNING WITH THE LAND, OR OTHER PRIVATE ARRANGEMENTS. Persons performing construction work under this permit must observe Tenn. Law. (Pub. Chap. 289 Acts of 1955) providing for precautions to be taken in vicinity of high voltage wires.

Property Owner or General Contractor (Print)

Company Name

This document becomes the Land Disturbing Activity Permit when signed for or by the Land Development Official and purchase receipt is attached.

By [Signature]
Land Development Official



City of Chattanooga, TN

Land Development Office

Plans Review Services

1250 Market Street • Suite 1000 • Chattanooga, TN 37402

Phone: (423) 643-5800 Fax: (423) 643-5848

(OFFICE USE ONLY)

Permit No. _____

Permit Fee \$ _____

Double Fee, if applicable \$ _____

Technology Fee \$ _____ 10.00

Admin. Charge \$ _____ 5.00

TOTAL FEE \$ _____

STREET CUT PERMIT APPLICATION

Not Refundable

No trades permits (elec., gas, mech., or plumbing) can be processed for jobs that require a building permit without a building permit number.

BUILDING PERMIT # _____

Please Print Clearly or Type	Contract Value Of Work: \$ _____		Fee Adjustment: \$ _____		Approved by _____	
	PROPERTY ADDRESS					
	Number and Street Name				Suite / Unit Number	
	State Tax Map Number				Zip Code	
	Ownership is: <input type="checkbox"/> Private <input type="checkbox"/> Public (Government)			Lot Number		Subdivision Name
Property Owner	Name		Mailing Address – Number, Street, City, ST & Zip Code			Telephone Number
	First	Last				
Contractor	Company					
	First	Last	State Lic. #	County Lic. #	City Business Lic.#	Plumbing License #
Occupant / Tenant	Company					
	First	Last				

TYPE OF WORK	TYPE OF CUT	Code	Description	Fee	Total
<input type="checkbox"/> New Construction	<input type="checkbox"/> Driveway	21	Utility cut in street pavement	\$300.00	
<input type="checkbox"/> Alteration	<input type="checkbox"/> Electrical	21a	Boring perpendicular to center line	\$300.00	
<input type="checkbox"/> Repair / Replace	<input type="checkbox"/> Gas	22	Driveway or curb cut	100.00	
	<input type="checkbox"/> Sewer	23	One Dollar (\$1.00) per linear foot for cut in right-of-way parallel to center line with Three Hundred Dollar (\$300.00) minimum x # of feet _____		
	<input type="checkbox"/> Telecommunications		Sidewalk Utility Cut	50.00	
	<input type="checkbox"/> Water		TOTAL		
	<input type="checkbox"/> Other				

The Contractor / utility shall keep a minimum of one (1) lane of traffic open at all times and work shall occur between 8:30 a.m. and 4:00 p.m. unless otherwise specified. The installation and maintenance of all traffic control devices shall conform to the guidelines for construction, maintenance, and utility work zone traffic control as outlined in the current edition of the Manual on Uniform Traffic Control Devices.

Remarks: _____

By _____ Traffic Engineering

Date _____

PLEASE CHECK WITH THE UTILITY COMPANIES FOR LOCATION OF UNDERGROUND CABLES AND PIPES IN THIS VICINITY. THIS PERMIT IS NOT VALID WITHOUT PRIOR TENNESSEE DEPARTMENT OF TRANSPORTATION PERMIT FOR WORK PERFORMED ON STATE RIGHTS-OF-WAY. YOU MUST CALL THE STREET CUT INSPECTOR FOUR (4) HOURS BEFORE BACK-FILLING THE CUT.

This permit becomes null and void if work or construction authorized is not commenced within 180 days, or if construction work is suspended or abandoned for a period of 180 days at any time after work is commenced.

I hereby certify that I have read and examined this application and know the same to be true and correct. All provisions of laws and ordinances governing this type of work will be complied with whether specified herein or not. The granting of a permit does not presume to give authority to violate or cancel the provisions of any other state or local law regulating construction or the performance of construction.

Licensed Contractor's Printed Name

Licensed Contractor Signature

NOTICE: This permit is granted upon condition that the work be done in accordance with the specifications adopted by the City of Chattanooga, a copy of which may be had on application to the Division of Engineering, and must be kept on the premises and shown on demand. Permittee must notify street-cut inspector 24 hours prior to each of the following activities: excavation of trench; backfill of trench; and restoration of pavement. Persons performing construction work under this permit must observe all Federal, State and local codes.

Approved by _____

Date _____

For _____
Building Official

STREET OBSTRUCTION AND EXCAVATION BOND

KNOW ALL MEN BY THESE PRESENTS, That We, _____
(Contractor) of Chattanooga, Tennessee, as principal and _____ as surety, are held and
firmly bound unto the CITY OF CHATTANOOGA in the Penal sum of TWENTY FIVE THOUSAND (\$25,000.00)
DOLLARS, FOR THE PAYMENT of which we bind ourselves, our heirs, representatives, assigns and successors.

This bond obligation shall be in effect for twelve months beginning on the ____ day of _____,
20____. The condition of the above obligation is such that the above bonded _____
as contractor has applied to the Chief Building Official of the Department of Public Works of the City of
Chattanooga to build or repair sidewalks, to make openings or excavations in the sidewalks or streets, or to occupy
under proper permits, parts of streets or sidewalks in connection with building operations.

NOW THEREFORE, if the said _____ as
contractor shall restore any street or sidewalk in which such work shall be done, and shall also indemnify and save
harmless the said City of Chattanooga from all loss, damage or injury of any kind which may result to the City by
reason of such excavation or obstruction to any person, firm or corporation occasioned by or resulting from such
work, then this obligation shall be void and of no effect and _____ as surety
shall have no further obligation under this agreement. It is further agreed that no act on the part of the City of
Chattanooga shall operate to void this bond or in anyway relieve the said principal or surety from all performance of
its stipulations to pay up to the full amount of this bond to protect the City against all loss, damage or injury of any
kind which may result to the City by reason of such excavation or obstruction as required by Chattanooga City Code
§ 32-66.

WITNESS OUR HANDS AND SEALS THIS THE _____ DAY OF _____, 20____.

PRINCIPAL or CONTRACTOR

AUTHORIZED SIGNATURE

SURETY

AUTHORIZED SIGNATURE

CITY OF CHATTANOOGA, TENNESSEE

REHABILITATION OF

DOBBS BRANCH 3 SUB-BASIN

CONTRACT NO. W-12-028-201

CONSENT DECREE PROGRAM

INDEX OF DRAWINGS

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MAYOR

ANDY BERKE

CITY COUNCIL

- DISTRICT 1 - CHIP HENDERSON
- DISTRICT 2 - JERRY MITCHELL
- DISTRICT 3 - KEN SMITH
- DISTRICT 4 - LARRY GROHN
- DISTRICT 5 - RUSSELL GILBERT
- DISTRICT 6 - CAROL B. BERZ, CHAIRPERSON
- DISTRICT 7 - CHRIS ANDERSON
- DISTRICT 8 - MOSES FREEMAN, VICE CHAIRPERSON
- DISTRICT 9 - YUSUF HAKEEM

DEPARTMENT OF PUBLIC WORKS

DONALD L. NORRIS, ADMINISTRATOR

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

THESE PLANS HAVE BEEN REVIEWED AND ARE APPROVED FOR RELEASE BY THE CITY OF CHATTANOOGA.

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

01-05-16



PREPARED BY:

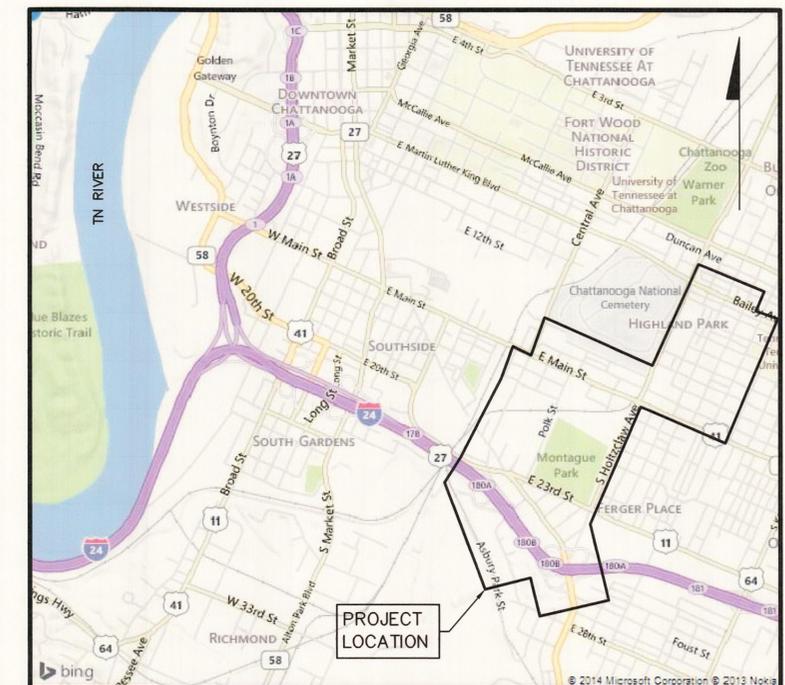


1201 MARKET STREET
SUITE C
CHATTANOOGA, TN 37402
(423)-414-3551

DECEMBER 1, 2015

ISSUED FOR BIDS

THIS SHEET REVISED BY
ADDENDUM NO. 1, JAN. 4, 2016



LOCATION MAP
NTS

GENERAL:

1. ALL CONSTRUCTION SHALL MEET THE REQUIREMENTS OF THE CITY OF CHATTANOOGA AND HAMILTON COUNTY DESIGN AND STANDARD CONSTRUCTION DRAWINGS. THE MOST APPLICABLE STANDARD DRAWINGS HAVE BEEN PROVIDED FOR REFERENCE HOWEVER THE CONTRACTOR IS RESPONSIBLE FOR USING THE MOST UP TO DATE VERSIONS OF THE STANDARD DRAWINGS.

MANHOLE REHABILITATION

1. THE MANHOLE LINER SYSTEM SHALL BE TYPE 1 OR TYPE 2 POLYMER RESIN-BASED LINER AS DESCRIBED IN SPECIFICATION SECTION 33 01 30.83.

2. THE CONTRACTOR IS RESPONSIBLE TO REMOVE ALL MANHOLE STEPS IN EACH MANHOLE DESIGNATED FOR REHABILITATION. REMOVE STEPS FLUSH WITH THE MANHOLE WALL PRIOR TO LINING.

UTILITIES:

1. LOCATION OF UTILITIES, PUBLIC AND/OR PRIVATE, ARE APPROXIMATE AND ARE ILLUSTRATED FOR INFORMATION PURPOSES ONLY. IT IS POSSIBLE THAT SOME UTILITIES ARE NOT SHOWN ON THESE DRAWINGS. THE CITY WILL NOT BE HELD RESPONSIBLE FOR THE ACCURACY OF UTILITY LOCATIONS, SIZES, DEPTHS, OR FOR COMPLETENESS OF UTILITY INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING ALL UNDERGROUND UTILITY FACILITIES LOCATED AND MARKED PRIOR TO CONSTRUCTION START.

2. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY AND MEET WITH ALL UTILITY OWNERS, THE CITY UTILITY COORDINATOR AND CITY INSPECTOR WHOSE FACILITIES WILL BE AFFECTED TO DETERMINE UTILITY LOCATIONS. THE CONTRACTOR SHALL PROTECT ALL UTILITIES FROM DAMAGE CAUSED BY HIS OPERATIONS OR THOSE OF HIS AGENTS. THE CONTRACTOR SHALL HOLD THE CITY HARMLESS FOR ANY THIRD-PARTY INCONVENIENCE CREATED BY WORK OF HIS OWN FORCES OR THAT OF HIS AGENTS. ANY DAMAGES INCURRED SHALL BE THE CONTRACTORS FINANCIAL RESPONSIBILITY.

3. IF UTILITY RELOCATIONS ARE REQUIRED TO PERFORM THE WORK IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO CONTACT THE UTILITY OWNER AND COORDINATE THE TEMPORARY OR PERMANENT RELOCATION. THE CONTRACTOR SHALL COORDINATE ANY RELOCATION WORK WITH VARIOUS UTILITY OWNERS SO AS NOT TO ADVERSELY AFFECT THE PROJECT SCHEDULE. THE CITY WILL NOT BE HELD RESPONSIBLE FOR ANY DELAY OR DISRUPTIONS TO THE WORK SCHEDULE OF OTHER UTILITY OWNERS. THE COST FOR THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR THE OTHER ITEMS OF CONSTRUCTION.

4. UTILITY OWNERS ARE TO RESET, RELAY, OR ADJUST, AT THEIR OWN EXPENSE, POWER AND TELEPHONE LINES, POWER POLES, WATER AND GAS LINES, AND ALL OTHER FACILITIES INCLUDING METERS, VALVES, PITS, ETC., CONFLICTING WITH THE PROPOSED IMPROVEMENTS WITHIN THE EXISTING SEWER RIGHT-OF-WAY. ALL RELOCATED POLES, METERS, VALVES, ETC., ARE TO BE LOCATED BEHIND THE SIDEWALK OR ON THE RIGHT-OF-WAY LINE.

5. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONTACTING ALL AFFECTED UTILITY OWNERS PRIOR TO SUBMITTING HIS BID, SO THAT HE MAY DETERMINE THE EXTENT OF DELAYS THAT UTILITY RELOCATIONS AND/OR ADJUSTMENTS MAY HAVE UPON THE SCHEDULING OF WORK FOR THE PROJECT. SOME UTILITY FACILITIES MAY NEED TO BE ADJUSTED CONCURRENTLY WITH THE CONTRACTOR'S OPERATIONS, WHILE SOME WORK MAY BE REQUIRED AROUND UTILITY FACILITIES THAT SHALL REMAIN IN PLACE. IT IS SPECIFIED AND AGREED THAT THE CONTRACTOR SHALL RECEIVE NO ADDITIONAL COMPENSATION FOR ANY DELAYS OR INCONVENIENCE CAUSED BY UTILITY ADJUSTMENTS.

6. THE CONTRACTOR SHALL NOTIFY ALL AFFECTED UTILITY OWNERS PRIOR TO INTERRUPTING ANY GAS, WATER OR SEWER SERVICES. THE CONTRACTOR SHALL ALSO NOTIFY THE AFFECTED UTILITY CUSTOMERS AT LEAST 24 HOURS BEFORE INTERRUPTING THE CUSTOMER'S SERVICE. WHERE INDIVIDUAL SERVICES ARE TO BE DISCONTINUED FOR MORE THAN 4 HOURS THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR PROVIDING TEMPORARY SERVICE SATISFACTORY TO THE AFFECTED CUSTOMER. THE REPAIR OR REPLACEMENT OF UTILITY COMPONENTS SHALL CONFORM TO ALL THE APPLICABLE REQUIREMENTS OF THE UTILITY OWNER. NO SEPARATE PAYMENT SHALL BE MADE FOR THESE ACTIVITIES, AND COMPENSATION SHALL BE INCLUDED IN THE CONTRACT PRICES FOR OTHER ITEMS.

7. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY PROTECTIVE MEASURES TO SAFEGUARD EXISTING UTILITIES FROM DAMAGE DURING CONSTRUCTION OF THIS PROJECT. SHOULD SPECIAL EQUIPMENT BE REQUIRED TO WORK OVER AND AROUND THE UTILITIES, THE CONTRACTOR SHALL BE REQUIRED TO FURNISH SUCH EQUIPMENT. THE COST OF PROTECTING UTILITIES FROM DAMAGE AND FROM FURNISHING SPECIAL EQUIPMENT SHALL BE INCLUDED IN THE PRICE BID FOR OTHER ITEMS OF CONSTRUCTION.

8. ANY EXISTING STORM SEWER DAMAGE DURING CONSTRUCTION SHALL BE REPAIRED AS RAPIDLY AS POSSIBLE AND THEN INSPECTED BY ITS RESPECTIVE OWNER. THE ENGINEER SHALL DETERMINE IF DAMAGE IS THE RESULT OF NEGLIGENCE OR OF AN UNAVOIDABLE CAUSE.

9. THE CONTRACTOR SHALL CONTACT THE CITY OF CHATTANOOGA CONSTRUCTION MANAGER 48 HOURS PRIOR TO BEGINNING CONSTRUCTION.

10. IF ANY SANITARY SEWER IS DAMAGED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE UTILITY'S OWNER. REPAIR OF THE SEWER SHALL THEN BE ACCORDING TO THE OWNER'S INSTRUCTIONS. THE ENGINEER SHALL DETERMINE IF DAMAGE IS THE RESULT OF NEGLIGENCE OR OF AN UNAVOIDABLE CAUSE.

11. THE CONTRACTOR SHALL CONDUCT OPERATIONS SO AS TO MAINTAIN EXISTING SANITARY SEWER AND WATER SERVICE AT ALL TIMES. PLANNED INTERRUPTIONS IN SERVICE IS TO BE COORDINATED WITH AFFECTED RESIDENTS AND/OR BUSINESSES.

12. SHOULD ANY SANITARY SEWER FORCE MAINS BE ENCOUNTERED DURING THE CONSTRUCTION, THE CONTRACTOR SHALL STOP EXCAVATION IN THE AREA AND IMMEDIATELY NOTIFY THE CITY OF CHATTANOOGA WASTE RESOURCES DIVISION.

SUBSURFACE PLANS:

1. A GEOTECHNICAL INVESTIGATION WAS NOT PERFORMED FOR THIS PROJECT. THE CONTRACTOR MAY MAKE HIS OWN INVESTIGATION TO DETERMINE SUBSURFACE CONDITIONS.

FENCES:

1. THE CONTRACTOR SHALL REMOVE, REPLACE, AND RESET FENCES AS NOTED ON THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.

TREES, SHRUBS, AND HEDGES:

1. THE CONTRACTOR SHALL NOT REMOVE TREES, SHRUBS, AND HEDGES WITHIN THE CONSTRUCTION LIMITS UNLESS SHOWN ON THE PLANS TO BE REMOVED OR APPROVED BY ENGINEER. WHEN ROOT PRUNING IS NECESSARY, CUT ROOTS CLEANLY USING A DISC TRENCHER OR OTHER APPROVED METHOD IN ACCORDANCE WITH THE SPECIFICATIONS.

2. CONTRACTOR SHALL OBTAIN APPROVAL FROM THE CITY PRIOR TO REMOVING ANY TREES.

SURVEY DATA:

1. TOPOGRAPHIC DATA AND ELEVATIONS ARE FROM THE CITY GIS DATA AND SUPPLEMENTED WITH MANHOLE DEPTHS FOUND IN THE FIELD. SELECT AREAS WERE SURVEYED BY THE RLS GROUP DURING DECEMBER 2014.

RIGHTS-OF-WAY/EASEMENTS

1. BEFORE CONSTRUCTION BEGINS, THE APPROPRIATE GOVERNMENTAL AGENCY SHALL SECURE ALL RIGHTS-OF-WAY AND EASEMENTS REQUIRED FOR COMPLETION OF THE PROJECT.

EROSION CONTROL:

1. ALL EROSION CONTROL MEASURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE TENNESSEE GENERAL NPDES PERMIT NO. TNR100000 FOR STORMWATER DISCHARGES FOR CONSTRUCTION ACTIVITIES, EFFECTIVE MAY 24, 2011.

2. ADDITIONAL MEASURES TO CONTROL EROSION AND SEDIMENT MAY BE REQUIRED BY A REPRESENTATIVE OF THE CITY OR INSPECTOR AND WILL BE EMPLOYED WHERE DETERMINED NECESSARY BY ACTUAL SITE CONDITIONS.

3. WHEN ANY CONSTRUCTION BORDERS A DRAINAGE COURSE:

A. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ANY OTHER EXCAVATION SPOIL DIRT, CONSTRUCTION TRASH OR DEBRIS, ETC. FROM THE DRAINAGE AREAS SHOWN HEREON IN AN EXPEDITIOUS MANNER AS CONSTRUCTION PROGRESSES.

B. THE CONTRACTOR HEREBY AGREES TO STOP ALL WORK AND RESTORE THESE AREAS IMMEDIATELY UPON NOTIFICATION BY THE INSPECTOR AND/OR THE ENGINEER.

4. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLE OR SITE ONTO PUBLIC ROADWAY OR INTO STORM DRAIN MUST BE REMOVED.

5. PRIOR TO COMMENCING LAND DISTURBANCE ACTIVITY, THE LIMITS OF LAND DISTURBANCE SHALL BE CLEARLY AND ACCURATELY DEMARCATED WITH STAKES, FENCING, OR OTHER APPROPRIATE MEANS. THE LOCATION AND EXTENT OF ALL AUTHORIZED LAND DISTURBANCE ACTIVITY SHALL BE DEMARCATED FOR THE DURATION OF THE CONSTRUCTION ACTIVITY. NO LAND DISTURBANCE SHALL OCCUR OUTSIDE THE PUBLIC RIGHT-OF-WAY OR SEWER EASEMENT AS INDICATED ON THE APPROVED PLANS.

6. ALL PERIMETER EROSION CONTROL DEVICES AND STORMWATER MANAGEMENT DEVICES SHALL BE INSTALLED PRIOR TO ANY OTHER CONSTRUCTION AND WITHIN 24 HOURS OF GRUBBING. THIS MAY REQUIRE GRUBBING IN STAGES TO ENSURE EROSION CONTROL MEASURES ARE PUT IN PLACE PRIOR TO RAIN EVENT. THE LOCATION OF SOME OF THE EROSION CONTROL DEVICES MAY HAVE TO BE ALTERED FROM THAT SHOWN ON THE APPROVED PLANS IF DRAINAGE PATTERNS DURING CONSTRUCTION ARE DIFFERENT FROM THE FINAL PROPOSED DRAINAGE PATTERNS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACCOMPLISH EROSION CONTROL FOR ALL DRAINAGE PATTERNS CREATED AT VARIOUS STAGES DURING CONSTRUCTION. ANY DIFFICULTY IN CONTROLLING EROSION DURING ANY PHASE OF CONSTRUCTION SHALL IMMEDIATELY BE REPORTED TO THE INSPECTOR.

7. THE CONSTRUCTION OF THE SITE WILL COMMENCE WITH INSTALLATION OF EROSION CONTROL MEASURES SUFFICIENT TO CONTROL SEDIMENT DEPOSITS AND EROSION. ALL SEDIMENT CONTROL WILL BE MAINTAINED UNTIL ALL UPSTREAM GROUND WITHIN THE CONSTRUCTION AREA HAS BEEN COMPLETELY STABILIZED WITH PERMANENT VEGETATION.

8. FAILURE TO INSTALL, OPERATE OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB SITE UNTIL SUCH MEASURES ARE CORRECTED TO CITY STANDARDS, TDEC EROSION AND SEDIMENT CONTROL REGULATIONS, OR THE MORE PROTECTIVE OF THE TWO.

9. A COPY OF THE APPROVED LAND DISTURBANCE PLAN AND PERMIT SHALL BE PRESENT ON THE SITE WHENEVER LAND DISTURBANCE ACTIVITY IS IN PROGRESS.

10. ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CHECKED DAILY AND ANY DEFICIENCIES NOTED WILL BE CORRECTED BY THE END OF EACH DAY. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED IF DEEMED NECESSARY BY ON-SITE INSPECTION.

11. INSTALL CONSTRUCTION ENTRANCES IN ACCORDANCE WITH ENCLOSED DETAILS AND WITH MINIMAL DISTURBANCE TO SURROUNDING VEGETATION AND TREES. ADDITIONAL EROSION CONTROL MEASURES MAY BE NECESSARY BASED ON SITE CONDITIONS AND CONTRACTOR'S PRACTICES, AS DIRECTED BY THE ENGINEER.

12. GROUND STABILIZATION SHALL BE ACHIEVED CONSISTENT WITH TDEC GENERAL NPDES PERMIT. WHERE LAND DISTURBING ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, ALL DISTURBED AREAS SHALL BE PROVIDED WITH TEMPORARY OR PERMANENT STABILIZATION WITH GROUND COVER WITHIN 14 CALENDAR DAYS FROM THE LAST LAND DISTURBING ACTIVITY EXCEPT FOR ALL PERIMETER DIKES, SWALES, DITCHES, PERIMETER SLOPES, AND ALL SLOPES STEEPER THAN 3:1 (H:V), WHICH SHALL BE PROVIDED TEMPORARY OR PERMANENT STABILIZATION WITH GROUND COVER WITHIN 7 CALENDAR DAYS FROM THE LAND DISTURBING ACTIVITY. THE CONTRACTOR SHALL REFER TO TDEC GENERAL NPDES PERMIT FOR SPECIFIC CONDITIONS, EXEMPTIONS, AND DEFINITIONS FOR MEETING THESE STABILIZATION REQUIREMENTS.

13. ON-SITE STOCKPILING OF SOIL IS ALLOWED WITHIN THE LIMITS OF CONSTRUCTION SUBJECT TO PLACING APPROPRIATE EROSION CONTROL DEVICES TO PREVENT SOIL LOSS DURING RAIN EVENTS. LOCATIONS SHALL BE PRE-APPROVED BY THE ENGINEER.

14. LITTER, CONSTRUCTION DEBRIS, AND CONSTRUCTION CHEMICALS EXPOSED TO STORMWATER SHALL BE PICKED UP PRIOR TO ANTICIPATED STORM EVENTS OR BEFORE BEING CARRIED OFF OF THE SITE BY WIND (E.G., FORECASTED BY LOCAL WEATHER REPORTS), OR OTHERWISE PREVENTED FROM BECOMING A POLLUTANT SOURCE FOR STORMWATER DISCHARGES (E.G., SCREENING OUTFALLS, DAILY PICK-UP, ETC.). AFTER USE, MATERIALS USED FOR EROSION PREVENTION AND SEDIMENT CONTROL (SUCH AS SILT FENCE) SHOULD BE REMOVED OR OTHERWISE PREVENTED FROM BECOMING A POLLUTANT SOURCE FOR STORMWATER DISCHARGES.

15. PRE-CONSTRUCTION VEGETATIVE GROUND COVER SHALL NOT BE DESTROYED, REMOVED OR DISTURBED MORE THAN 15 DAYS PRIOR TO GRADING OR EARTH MOVING UNLESS THE AREA IS SEEDED AND/OR MULCHED OR OTHER TEMPORARY COVER IS INSTALLED.

16. THE FOLLOWING RECORDS SHALL BE MAINTAINED ON OR NEAR SITE: THE DATES WHEN MAJOR GRADING ACTIVITIES OCCUR; THE DATES WHEN CONSTRUCTION ACTIVITIES TEMPORARILY OR PERMANENTLY CEASE ON A PORTION OF THE SITE; THE DATES WHEN STABILIZATION MEASURES ARE INITIATED; INSPECTION RECORDS AND RAINFALL RECORDS.

17. PERMITTEES SHALL MAINTAIN A RAIN GAUGE AND DAILY RAINFALL RECORDS AT THE SITE, OR USE A REFERENCE SITE APPROVED BY THE ENGINEER FOR A RECORD OF DAILY AMOUNT OF PRECIPITATION.

18. DOCUMENTED INSPECTIONS SHALL BE PERFORMED AT LEAST TWICE EVERY CALENDAR WEEK. INSPECTIONS SHALL BE PERFORMED AT LEAST 72 HOURS APART.

19. ALL DITCH LINES DISTURBED DURING CONSTRUCTION SHALL BE STABILIZED BY THE CONTRACTOR. ON ALL NEW OR UNDISTURBED, UNPAVED DITCHES WITH A GRADE GREATER THAN 4%, INSTALL A TEMPORARY DITCH LINER OF FIBERGLASS ROVING ON THE DITCH BOTTOM AND SIDE SLOPES.

20. PROVIDE WATTLES ADJACENT TO DITCHES AND AT THE TOE OF SLOPES. ALSO, PROVIDE ADEQUATE MEASURES IN AREAS WHERE NATURAL VEGETATION DOES NOT PROVIDE A SUFFICIENT BUFFER AND AS DIRECTED BY THE ENGINEER.

21. PROVIDE TEMPORARY ROCK SILT CHECK DAMS AT EACH STORM OUTFALL DITCH, AS DIRECTED BY THE ENGINEER.

22. GRUBBING SHALL BE PERFORMED DURING PREDICTED PERIODS OF DRY WEATHER.

23. SILT FENCE AND WATTLES SHALL BE INSTALLED AT LEAST 24 HOURS PRIOR TO GRUBBING.

24. CONTRACTOR TO USE TYPE A SILT FENCE UNLESS SPECIFIED BY THE ENGINEER.

EROSION CONTROL CONSTRUCTION SEQUENCE:

STEP 1 SITE PREPARATION

A. INSTALL ALL NEW STORMWATER MANAGEMENT, EROSION CONTROL DEVICES, AND MAKE ALL NEW AND EXISTING DRAINAGE FACILITIES OPERATIONAL PRIOR TO CONSTRUCTION ACTIVITIES. INSPECTOR MAKES ALL FINAL DECISIONS ON REQUIREMENT FOR AND PLACEMENT OF SILT FENCE AND OTHER EROSION CONTROL DEVICES. AT ALL TIMES MEASURES WILL BE INSTALLED SUFFICIENT TO RESTRAIN EROSION.

B. CONSTRUCT TEMPORARY CONSTRUCTION ENTRANCE/EXIT PROTECTION AS NECESSARY AND INSTALL SIGNAGE.

C. INSPECT AND REPAIR ALL EXISTING AND REQUIRED EROSION AND SEDIMENT CONTROL DEVICES. INSPECTION SHALL BE DEFINED AS AFTER EACH RAINFALL EVENT OR TWICE WEEKLY, WHICHEVER IS MOST FREQUENT.

D. PERFORM ALL NECESSARY MAINTENANCE ON EROSION AND SEDIMENT CONTROL DEVICES UNTIL A VEGETATIVE COVER IS ESTABLISHED. SEDIMENT SHALL BE REMOVED FROM THE EROSION CONTROL STRUCTURES WHEN CAPACITY HAS BEEN REDUCED BY 50%. REPAIR AND REPLACE ALL DETERIORATED MATERIALS FROM DRAINAGE DITCHES.

STEP 2 PERFORM SEWER AND MANHOLE REHABILITATION AND IMPROVEMENTS

A. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER REMOVAL AND DISPOSAL OF ANY UNSUITABLE MATERIAL TO A LOCATION OFF-SITE. THE CONTRACTOR SHALL OBTAIN ANY AND ALL STATE OR LOCAL APPROVALS AND SUBMIT COPIES TO THE CITY FOR RECORD.

B. REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES AND MEASURES UPON ESTABLISHMENT OF VEGETATIVE COVER AND COMPLETION OF THE PROJECT.

C. PERMANENT GROUND COVER FOR ALL DISTURBED AREAS UNLESS OTHERWISE INDICATED, SHALL BE INSTALLED WITHIN 15 WORKING DAYS FOLLOWING COMPLETION OF WORK AREA. IN ACCORDANCE WITH THE PLAN DETAILS AND SPECIFICATIONS.

TRAFFIC CONTROL:

1. THE CONTRACTOR'S TRAFFIC CONTROL SUBMITTAL SHALL INCLUDE A PLAN DELIVERED TO THE CITY OF CHATTANOOGA TRANSPORTATION DEPARTMENT (CDOT) FOR REVIEW AND APPROVAL OUTLINING THE LOCATION AND TYPE OF TRAFFIC CONTROL SIGNS AND APPURTENANCES NECESSARY FOR CONSTRUCTION TRAFFIC TO ENTER AND EXIT FROM THE CONSTRUCTION LIMITS.

- A. THE CONTRACTOR MUST COORDINATE WITH RICK DAVIS AND ASHLEY BELKNAP WITH THE CDOT PRIOR ANY OPEN CUTTING OF THE RIGHT-OF-WAY.
- B. THE CONTRACTOR IS SUBJECT TO ALL MUTCD STANDARDS FOR ALL ROAD AND LANE CLOSURES.
- C. RICK DAVIS WILL ATTEND THE PRE-CONSTRUCTION MEETING TO COORDINATE ON TRAFFIC CONTROL REQUIREMENTS.

2. THE CONTRACTOR SHALL FOLLOW REQUIREMENTS FOR TRAFFIC CONTROL, BASED ON THE APPROVED PLAN, THROUGHOUT THE DURATION OF THE PROJECT, AND IN ACCORDANCE WITH LOCAL AND STATE REGULATIONS.

3. PUBLIC ROADWAYS SHALL BE MONITORED BY THE CONTRACTOR ON A DAILY BASIS FOR DEBRIS ORIGINATING FROM THE CONSTRUCTION ACTIVITY AND EQUIPMENT USED BY THIS PROJECT. DEBRIS AND/OR CONSTRUCTION MATERIAL RESULTING FROM THIS PROJECT FOUND ON THE PUBLIC ROADWAYS SHALL BE REMOVED WITHIN 2 HOURS OF OBSERVATION OR REPORTING, AND NO LATER THAN AT THE END OF THE WORK DAY.

4. THE CONTRACTOR SHALL BE REQUIRED TO MAINTAIN THE TRAFFIC CONTROL DEVICES IN GOOD WORKING CONDITION THROUGHOUT THE DURATION OF THE PROJECT.

5. THE CONTRACTOR SHALL MAINTAIN TWO-WAY TRAFFIC ON ALL PUBLIC ROADWAYS AFFECTED BY THE PROJECT.

6. DAMAGE TO THE PUBLIC ROADWAYS AS A RESULT OF THE INGRESS AND EGRESS OF CONSTRUCTION EQUIPMENT AND MATERIALS FROM AND TO THIS PROJECT SHALL BE REPAIRED BY THE CONTRACTOR AT NO EXPENSE TO THE CITY, AND IN ACCORDANCE WITH DIRECTION BY THE CITY OF CHATTANOOGA TRANSPORTATION DEPARTMENT.

7. THE CITY ENGINEER OR HIS DESIGNATED REPRESENTATIVE IS AUTHORIZED TO STOP ANY WORK WITHIN THE PUBLIC RIGHT-OF-WAY THAT DOES NOT FOLLOW THE APPROVED TRAFFIC CONTROL PLAN AND OTHER LOCAL/STATE REQUIREMENTS.

MISCELLANEOUS:

1. THE ENGINEER SHALL HAVE THE AUTHORITY TO DESIGNATE AND/OR LIMIT AREAS OF CONSTRUCTION.

2. THE OWNER MAKES NO REPRESENTATIONS ABOUT SUBSURFACE CONDITIONS THAT MAY BE ENCOUNTERED WITHIN THE LIMITS OF THE PROJECT. THEREFORE, THE CONTRACTOR SHOULD SATISFY HIMSELF BY ON-SITE INSPECTIONS, CORE DRILLINGS, OR OTHER METHODS, OF THE SUBSURFACE CONDITIONS THAT MAY BE ENCOUNTERED. THE RISK OF ENCOUNTERING AND CORRECTING UNFAVORABLE SUBSURFACE CONDITIONS SHALL BE BORNE BY THE CONTRACTOR.

3. ALL UNSUITABLE MATERIAL, AS DETERMINED BY THE ENGINEER OR THROUGH TESTING IS TO BE REMOVED AND REPLACED WITH SUITABLE MATERIAL.

4. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING, AT HIS OWN EXPENSE, ANY AND ALL DAMAGES THAT MAY OCCUR OUTSIDE THE LIMITS OF THIS PROJECT AS A RESULT OF CONSTRUCTION.

5. SHOULD THERE BE A CONFLICT BETWEEN THE GENERAL NOTES, CONTRACT DRAWINGS, AND/OR SPECIFICATIONS, THE MOST STRINGENT INTERPRETATION SHALL PREVAIL, AS DECIDED BY THE ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING FROM THE ENGINEER ANY CLARIFICATION OR INTERPRETATION OF THE GENERAL NOTES, CONTRACT DRAWINGS, AND/OR SPECIFICATIONS IN WRITING AND IN ADVANCE OF CONSTRUCTION START.

6. ALL CONCRETE SHALL BE CLASS "A" (4,000 P.S.I.) UNLESS OTHERWISE NOTED ON THE DRAWINGS. (CLASS "B" CONCRETE SHALL BE 2,500 P.S.I.)

SERVICE LATERAL CONNECTIONS:

1. THE TABLES PROVIDED ON SHEET 00G-05 FOR SERVICE LATERAL REINSTATEMENT WERE DEVELOPED FROM SEWER SYSTEM EVALUATION SURVEYS PERFORMED IN 2013. THIS INFORMATION MUST BE VERIFIED BY THE CONTRACTOR PRIOR TO SEWER REHABILITATION OPERATIONS.

CREATED: 12/23/2015 A
LAST SAVED: 1/7/2016 B
BY: JBOLENDE C
PLOT DATE: 1/7/2016 D
E
F



REHABILITATION OF
DOBBS BRANCH 3 SUB-BASIN
CITY OF CHATTANOOGA, TN
CONSENT DECREE PROGRAM



REV	DATE	ISSUED FOR	DESCRIPTION
B	12/23/15	ADDENDUM NO. 1	
A	12/01/15	ISSUED FOR BIDS	

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.
PROJ #: C0C-W-12-028-201 HDR: C0N0079435
DATE: DECEMBER 2015
DISC. LEAD: JLB
DESIGNER: GTG
CHECKER: RKS

SHEET TITLE
GENERAL
GENERAL NOTES
SHEET 00G-02