

LETTER OF TRANSMITTAL

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FROM: Jerry Hightower, P.E.

DATE: March 9, 2022

PROJ. NO.: G19009

SUBJECT: Addendum No. 1
Town of Signal Mountain, TN
Palisades Road Water Line Replacement

PAGES: 10 pages to follow

PLEASE RESPOND → → → →	TO CONFIRM RECEIPT OF THIS ADDENDUM NO. 1 PLEASE SIGN AND EMAIL TO CTI vvisco@ctiengr.com
	Company _____
	Signature _____
	Title _____
	Date _____

ID 751876

**ADDENDUM NO. 1
PALISADES ROAD WATER LINE REPLACEMENT
TOWN OF SIGNAL MOUNTAIN, TENNESSEE**

The following changes shall be made to the Contract Documents:

I. CONTRACT DOCUMENTS

- A. **Section 00 01 10, Table of Contents.** Page 00 01 10-2. ADD Section 33 05 24 Utility Crossings of Roadways. Add in its entirety.
- B. **Section 00 11 00, Advertisement for Bids.** Page 00 11 00-1. In the first paragraph, line 5, DELETE the words "Thursday February 20, 2022," and SUBSTITUTE therefor the words, "Tuesday, March 22, 2022." The bid time remains the same.
- C. **Section 00 42 00, Bid Schedule.** Page 00 42 00. DELETE Pages 00 42 00-1 and -2 and SUBSTITUTE therefor Pages 00 42 00-1.1 and 00 42 00-2.1.
- D. **Section 00 43 80, Bidder Acknowledgment at Contract Time.** DELETE Page 00 43 80-1 and SUBSTITUTE therefor 00 43 80-1.1 to allow time to procure pipe materials.
- E. **Section 00 52 00, Contract.** DELETE Page 00 52 00-1 and SUBSTITUTE Page 00 52 00-1.1.

II. TECHNICAL SPECIFICATIONS

- A. **Section 33 05 24, Utility Crossings of Roadways.** ADD Section 33 05 24 Utility Crossings of Roadways, Pages 33 05 24-1 through -3.

Date: March 8, 2022

CTI Engineers, Inc.
/s/ Jerry Hightower, Project Manager

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DIVISION 03 - CONCRETE

03 30 00	Cast-In-Place Concrete
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DIVISION 31 - EARTHWORK

31 20 00	Earthwork
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DIVISION 32 - EXTERIOR IMPROVEMENTS

32 10 00	New and Replacement Paving
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40 05 23	Valves

ADVERTISEMENT FOR BIDS

TOWN OF SIGNAL MOUNTAIN
(Owner)

Separate sealed Bids for furnishing of all materials, labor, tools, equipment, and appliances necessary for the construction of the Town of Signal Mountain Water Line Replacement, Palisades Road, will be received by the Owner at the Town of Signal Mountain Town Hall, 1111 Ridgeway Avenue, Signal Mountain, Tennessee, 37377, until 2:00 p.m., local time, on Tuesday, March 22, 2022, and then at said office publicly opened and read aloud.

The Project consists of the following major elements: project includes furnishing and installation of 450 linear feet of 6-inch ductile iron pipe (DIP), valves, services, temporary paving replacement, erosion control, and excavation.

Copies of the Contract Documents and Specifications, including bidding documents and requirements and Contract Drawings may be examined at the offices of the Engineer, CTI Engineers, Inc., 1122 Riverfront Parkway, Chattanooga, TN 37402 (phone 423/267-7613, www.ctiengr.com). Copies may be obtained there upon payment of \$125.00 for each set. This payment is not refundable.

Bidders must be listed on Engineer's list of planholders who have purchased the Contract Documents, Specifications, and Drawings.

Engineer shall be provided with the following information: mailing address for U.S. Postal Service, physical delivery address, telephone number, name of contact person, and email address.

Date: March 5, 2022

TOWN OF SIGNAL MOUNTAIN
/s/ Mitchell Moore, Interim Town Manger

**BID SCHEDULE FOR UNIT PRICE
WATER LINE REPLACEMENT PALISADES ROAD
TOWN OF SIGNAL MOUNTAIN**

Note: Unless otherwise stated, all bid items shall be a complete installation as specified and/or shown on the Drawings.

Item No.	Description	Est. No.		Unit Price	Item Total
		Unit	of Units		
SCHEDULE I- PALISADES ROAD					
00 61 13	Performance and Payment Bonds (Maximum 2% of Bid)	LS	1	\$	\$
01 11 00	Mobilization (Maximum 3.5% of Bid), Including project layout, purchase of materials, shop drawing submittals and execution	LS	1		
03 30 00	Cast-In-Place Concrete. All Materials, Labor, and Equipment Needed to Complete Work, Including Excavation, Grading, Stone Bedding, Form Material and Work, Reinforcing, Ready Mix Concrete, Finishing, and Curing Materials				
03 30 00a	3,000 PSI Class B Concrete for Concrete Thrust Blocks, Pipe Encasement, Utility Pipe Protection, and other Items as Directed by Engineer	CY	4		
31 20 00	Earthwork				
31 20 00a	Flowable Fill in Trench for Water Lines in Streets and Driveways from Top of Bedding to Base Stone	LF	460		
31 20 00b	Crushed Rock Material for Rock Trench Bedding or Trench Undercutting in Excess of that Required for Standard Bedding, as Required by Engineer	CY	40		
31 20 00c	Trench Rock Excavation by Drilling and Blasting, Rock-cutting Trencher, or Hoe-Ramming Methods	LF	460		
31 25 00	Slope Protection and Erosion Control				
31 25 00a	Construction Entrance	EA	1		
31 25 00b	Silt Fence or 8-inch Wattles (siltsoxx)	LF	460		
32 10 00	New and Replacement Paving, Pavement Replacement for Streets and Driveways				
32 10 00a	Temporary-Asphalt Pavement Replacement for Streets, Parking Lots, and Driveways, Trench Width Paving, and Saw Cutting. Including 6-inches Base Stone (Pug Mix) and 1.5-inch Hot Mix Grading D	LF	370		
32 92 19	Seeding and Straw in Disturbed Areas	LF	460		
33 12 19a	Fire Hydrants, Including 5-1/4-Inch Mueller Fire Hydrant, Anchor Tee, Anchor Coupling, 6-Inch DIP for Connection and Riser, Crushed Stone, Thrust Blocks, Etc.	EA	2		
40 05 13.13	Ductile Iron Pipe, Fittings, and Connections				
40 05 13.13a	Ductile Iron Pipe (DIP), Push-On Joint, Installed in Trench or Casing	LF	460		
40 051 3.13b	DI Pipe Fittings, Miscellaneous	LBS	400		
40 05 13.13c	Mechanical Joint Restrained Joint Devices (EBBA Iron Megalug, Series 1100 or equal)				
40 05 13.13c	Restrained Joint Devices for 6-inch DI Fittings	EA	20		

Item No.	Description	Est. No.		Unit Price	Item Total
		Unit	of Units		
40 05 13.13d	Lock Joint Gaskets for Carrier Pipe in Casing	EA	6		
40 05 23	Valves				
40 05 23a-2	2-Inch Gate Valve MJ , Including Valve Box, Cover, Restrained Joint Couplings, Thrust Block, and Extensions as Required and Reconnect 2-inch Service	EA	1		
40 05 23a-6	Connect New 6-Inch Water Line to Existing 6-Inch Water Line, with 6-Inch Tapping Sleeve and 6-Inch Tapping Valve	EA	2		
40 05 23b	Air Release Valve Assembly Including Air Release Valve, Valve Box; Tapped Saddle, Isolation Valve, Valve Cover, and Accessories	EA	2		
40 05 23c	Relocate Meter and Reconnect Service to Space House	LS	1		
40 05 23d	Cut, Plug, and Abandon Existing 6-Inch Lines	EA	2		
TOTAL BID SCHEDULE I				\$	

BIDDER	DATE
BY	(Signature) TITLE
ADDRESS	
CITY	STATE ZIP CODE
PHONE	EMAIL

BIDDER ACKNOWLEDGMENT OF CONTRACT TIME

The Contract will be structured to allow up to 4 months (120 days) to procure pipe materials and 45 days for installation. By signature below, Bidder acknowledges and agrees that the 45-day construction contract time for substantial completion of the work included in these Contract Documents is either:

1. Sufficient, barring changed conditions, acts of God, or abnormal weather conditions that would justify time extensions; or
2. Insufficient, in which case the Contractor agrees that the price bid includes an allowance for liquidated damages of adequate magnitude to cover the additional time required to complete the work.

Bidder Name _____

Signature _____

Attest:

CONTRACT

THIS CONTRACT, made this _____ day of _____, 20__, by and between the Town of Signal Mountain, hereinafter called "Owner" and _____
_____ doing business as a
_____ hereinafter called "Contractor."
corporation, individual, or partnership

WITNESSETH: That for and in consideration of the payments and agreements hereafter mentioned:

1. The Contractor will commence and complete construction of the Water Line Replacement on Palisades Road.
2. The Contractor will furnish all of the material, supplies, tools, equipment, labor and other services necessary for the completion of the work described herein.
3. The Contractor will commence the work required by the Contract Documents within 7 calendar days after the contract start date of the written Notice to Proceed and will complete the work within 165 consecutive calendar days unless the periods of completion are extended otherwise by the Contract Documents. This allows up to 120 days for pipe procurement and 45 days for installation. The Contractor further agrees to pay as liquidated damages, the sum of \$400 for each consecutive calendar day in default thereafter as hereinafter provided in the General Conditions.
4. The Contractor agrees to perform all of the Work described in the Contract Documents and comply with the terms therein for the sum of \$ _____
or as shown in the Bid Schedule.
5. The term "Contract Documents" means and includes the following:
 - a. Advertisement for Bids
 - b. Information for Bidders
 - c. Bid
 - d. Bid Bond
 - e. Contract
 - f. General Conditions

SECTION 33 05 24

UTILITY CROSSINGS OF ROADWAYS

PART 1 - GENERAL

1.1 SCOPE

- A. The work covered by this section includes furnishing all labor, materials, service, and equipment required to properly complete sewer and/or water pipeline construction under railroads and federal or state highways, as described herein and/or shown on the Drawings.

1.2 SHOP DRAWINGS AND ENGINEERING DATA

- A. Complete engineering data and product information shall be submitted to the Engineer in accordance with the requirements of these Specifications.

1.3 STORAGE AND DELIVERY

- A. All materials shall be stored and protected with strict conformance to the manufacturer's recommendations and as approved by the Engineer.

PART 2 - PRODUCTS

2.1 MATERIALS

- A. Steel casing pipe, sizes 8 inches through 54 inches, shall be straight-seam welded steel pipe conforming to ASTM A 139, Grade B, or ASTM A-252, Grade 3, of the latest standard specification.
- B. An end-of-casing boot shall be used on each end of the casing to seal the space between the carrier and casing pipe. End seals shall be Cascade Model CCES End Seal, or equal.
- C. Carrier pipe shall be evenly supported within the casing pipe by, use of stainless steel casing spacers placed on 10-foot intervals. Casing spacers shall be Cascade, BWM-SS, RACI or approved equal.

PART 3 - EXECUTION

3.1 GENERAL

- A. Any solidification of embankments, boring headings, or tunnel headings or sides shall be the Contractor's responsibility and shall be done at his own expense.
- B. Open-cut installations, where permitted, shall be in accordance with the details and procedures shown on the Drawings.
- C. Care shall be taken to ensure that casing pipe installed by boring and jacking or open-cut method will be at the proper alignment and grade.

- D. Maintain and operate pumps, well points, and drainage system equipment to keep work dewatered at all times.
- E. Adequate sheeting, shoring, and bracing for embankments, operating pits, and other appurtenances shall be placed and maintained to ensure that work proceeds safely and expeditiously. Upon completion of the required work, the sheeting, shoring, and bracing shall be left in place, cut off, or removed, as designated by the Engineer.
- F. Carrier pipe for all lines 4 inches and larger shall have push-on joints and fittings.
- G. After the casing pipe or tunnel liner is installed, install the carrier pipe, exercising care at all times to protect the interior of the casing pipe and to maintain tight, full-seated joints in the carrier pipe. The carrier pipe shall be installed at the proper line and grade without any sags or high spots.
- H. The carrier pipe shall be held concentric with the casing pipe by the use of blocks spaced radially around the pipe and secured together so that they remain firmly in place. The spacing of such blocks longitudinally in the casing pipe may not be greater than 10 feet. Blocks used with sand or grout fill may be hardwood. Approved stainless steel blocks must be used when no sand or grout fill is used.

3.2 ROADWAY CROSSINGS

- A. The Contractor shall be held responsible and accountable for the coordinating and scheduling of all construction work within the road right-of-way.
- B. For open trench cut installations, make satisfactory arrangements to detour traffic around the area where work is in progress, with minimum inconvenience placed on the traveling public. Provide suitable flagmen, watchmen, safety devices, and other services and facilities as may be required by the state highway department. The cost of the same shall be borne by the Contractor.
- C. Encasement shall extend 5 feet beyond the highway embankment or back of side ditch, unless otherwise shown. On curbed portions of conventional highways, the casing pipe shall extend to the back of curb or sidewalk.
- D. For open trench cut installations, the Contractor shall be responsible for scheduling and coordinating all construction work. All work at one particular crossing shall be completed, with the trench backfilled, compacted, and a temporary crushed stone surface provided for traffic, before any work is started on another such crossing.
- E. All installations shall be designed to leave free flows in drainage ditches, pipes, culverts, or other surface drainage facilities of the highway, street, or its connections.
- F. Where sodding is disturbed by excavation or backfilling operation, such areas shall be replaced by mulch sodding on slopes 5 percent or less. All slopes over 5 percent shall be replaced with block sodding. No separate payment shall be made for sodding, which shall be included in the bid prices for installation of pipe.
- G. All trench excavation within the right-of-way, but not under pavement, shall be backfilled by tamping in 6-inch layers.
- H. All surplus material shall be removed from the right-of-way and the excavation finished flush with surrounding ground.
- I. Grout backfill shall be used for unused holes or abandoned pipes.

- J. Boring, jacking, or driving of carrier or casing pipes under existing highways shall be accomplished without jetting, sluicing, or wet-boring.
- K. No excavated material or equipment shall be placed on the pavement or shoulders of the roadway without the express approval of the road highway department.
- L. In no instance will the Contractor be permitted to leave equipment (trucks, backhoes, etc.) on the pavement or shoulder overnight. Construction materials to be installed which are placed on the right-of-way in advance of construction shall be placed in such a manner as not to interfere with the safe operation of the highway.

END OF SECTION