

## ADDENDUM NO. 1

Date of Addendum: April 23, 2015

Project: Henry Miller Area Storm Drain and L Street Waterline

Owner: City of Los Banos

Bid Date: May 1, 2015

To: Prospective Bidders

From: Gouveia Engineering  
456 Sixth Street  
Gustine, CA 95322

1. This Addendum forms a part of the Bidding Documents and will be incorporated into the Contract Documents, as applicable. All other conditions of the Contract Documents remain unchanged. The following changes, additions, or deletions as set forth herein shall apply to the Contract Documents and shall be made a part thereof and shall be subject to all the requirements thereof as though originally shown and/or specified.
2. The Contract Documents are hereby modified to effect the following changes:
  - a. Special Provisions Item **23. Submittals** shall be changed to include the following items as required submittals to be submitted by the Contractor:
    - i. Thermoplastic
    - ii. Pavement Paint
    - iii. Sign Posts
  - b. The City of Los Banos will accept high density polyethylene pipe (HDPE) non-pressure pipe, for the storm drain line portion of the project. Refer to attached specification (Attachment 1).
  - c. The following items shall be changed to address the modification to the waterline connection at the intersection of West I Street and L Street as installation of a hot tap at this location will no longer be allowed.
    - i. Construction Note 4 on sheet 4 of the Project Plans shall be revised to read: Connect to existing waterline. Remove the existing 6" waterline as required to install a 10" Tee with a 10" to 6" Reducer on the North leg and a 10" to 6" Reducer and 6" water valve on the South leg (Attachment 2).
    - ii. The Quantities of Items 5, 6, and 8 on the Bid Schedule have been revised. Replace Bid Schedule with attached Revised Bid Schedule.

- d. An additional waterline adjustment will be added to Bid Item 25. This adjustment will include adjusting the fire hydrant service line and installation of a new 6" valve. The Fire Hydrant is located on the Northeast corner at the intersection of Texas Avenue and Pine Street (Station 20+65) with a service line that crosses the proposed 36" Storm Drain Line. The following items will be changed to reflect this addition.
  - i. The Bid Item Description for Bid Item 25 – Water Main and Water Service Adjustments, shall be modified to include all work and materials required to reroute the existing fire hydrant service line to avoid any conflict with the proposed Storm Drain Line and installation of a 6" Isolation valve for the fire hydrant service.
  - ii. Plan sheet 14 shall be modified to include the adjustment of this fire hydrant service and the installation of a 6" isolation valve (Attachment 3).
  
- e. The following is a modification to Bid Item 12 providing additional clarification.
  - i. The Bid Item Description for Bid Item 12 – Transfer Existing Residential Water Service, shall be modified to include all work and materials required to locate the point of connection, excavate, shut-off the corp. stop, and AC repairs to California Avenue. The existing water meter box may be reused if undamaged.

3. Bids shall be submitted in accordance with this Addendum. All Bidders MUST acknowledge receipt of this Addendum by signing and returning this Addendum with your Bid.

Gouveia Engineering

Firm Name: \_\_\_\_\_

  
 By: Mario B. Gouveia, PE

By: \_\_\_\_\_

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

Date: \_\_\_\_\_

HIGH DENSITY POLYETHYLENE PIPE (HDPE) NON-  
PRESSURE PIPE562 -1 GENERAL

The Contractor shall construct non-pressure HDPE pipelines with rubber gasket joints at all locations shown on the Drawings. HDPE shall be used only for storm drainage applications.

562-2 MATERIALS

Gravity HDPE pipe shall meet the following requirements:

- A. General - Pipe shall have a smooth interior and annular exterior corrugations. 4" through 10" shall meet AASHTO M252, Type S. 12- through 60-inch shall meet AASHTO M294, ASTM F2306.
- B. Material Properties – Pipe required to meet AASHTO M252/M294 or ASTM F2306 shall contain virgin materials for pipe and fitting production shall be high-density polyethylene conforming with the minimum requirements of cell classification 424420C for 4-inch through 10-inch diameters, and 435400C for 12-inch through 60-inch diameters, as defined and described in the latest version of ASTM D3350, except that carbon black content should not exceed 5%. The 12-inch through 60-inch virgin pipe material shall comply with the notched constant ligament-stress (NCLS) test as specified in Section 9.5 and 5.1 of AASHTO M294 and ASTM F2306 respectively.

In non-gravity low head applications or in areas of high groundwater a special pressure rated resin may be required to ensure long term performance of the pipe.

- C. Joint Performance – Pipe shall be joined with a bell and spigot and shall be watertight according to the requirements of ASTM D3212. Gaskets shall be made of polyisoprene meeting the requirements of ASTM F477. Gaskets shall be installed by the pipe manufacturer and covered with a removable, protective wrap to ensure the gasket is free from debris. A joint lubricant available from the manufacturer shall be used on the gasket and bell during assembly. 12-inch through 60-inch diameters shall have a reinforced bell with a bell tolerance device. The bell tolerance device shall be installed by the manufacture. Joints used in high groundwater applications shall be designed to include two gaskets that can be fully inserted into the bell.
- D. Fittings – Fittings shall conform to AASHTO M252, AASHTO M294, or ASTM F2306. Fabricated fittings shall be welded at all accessible interior and exterior junctions.

562-3 INSTALLATION

Installation shall be in accordance with ASTM D2321 and the manufacturers published installation guidelines, with the exception that minimum cover in non-city right of way installation for 4-inch through 48-inch diameters shall be one foot, and for 54-inch and 60-inch diameters, the minimum cover shall be 2 feet in single run applications. Minimum cover in city right of way applications shall be 2 feet 6-inches as specified in Section 3-43. HDPE drainage pipe shall be installed in accordance with ASTM Designation D-2321 using Class I or II embedment materials and City Standard Details BF-1 through BF-2. Jetting or flooding of backfill is not permitted.

If groundwater is encountered, piping shall be installed as per manufacturer's installation standards for installation in groundwater. If extreme groundwater conditions exist the City Engineer shall make determinations as to the proper installation and use of piping.

Unstable trench wall conditions exist if any of the following conditions occur:

- The excavation for the trench is below or within 3 feet of groundwater.
- The soil moisture content of the trench sidewall is 4% or more above optimum moisture content at the time of excavation.
- The relative compaction of the trench wall, in undisturbed material, is 75% or less of "Maximum Dry Density" in accordance with ASTM Designation D-1557.

#### 562-4 INSPECTION

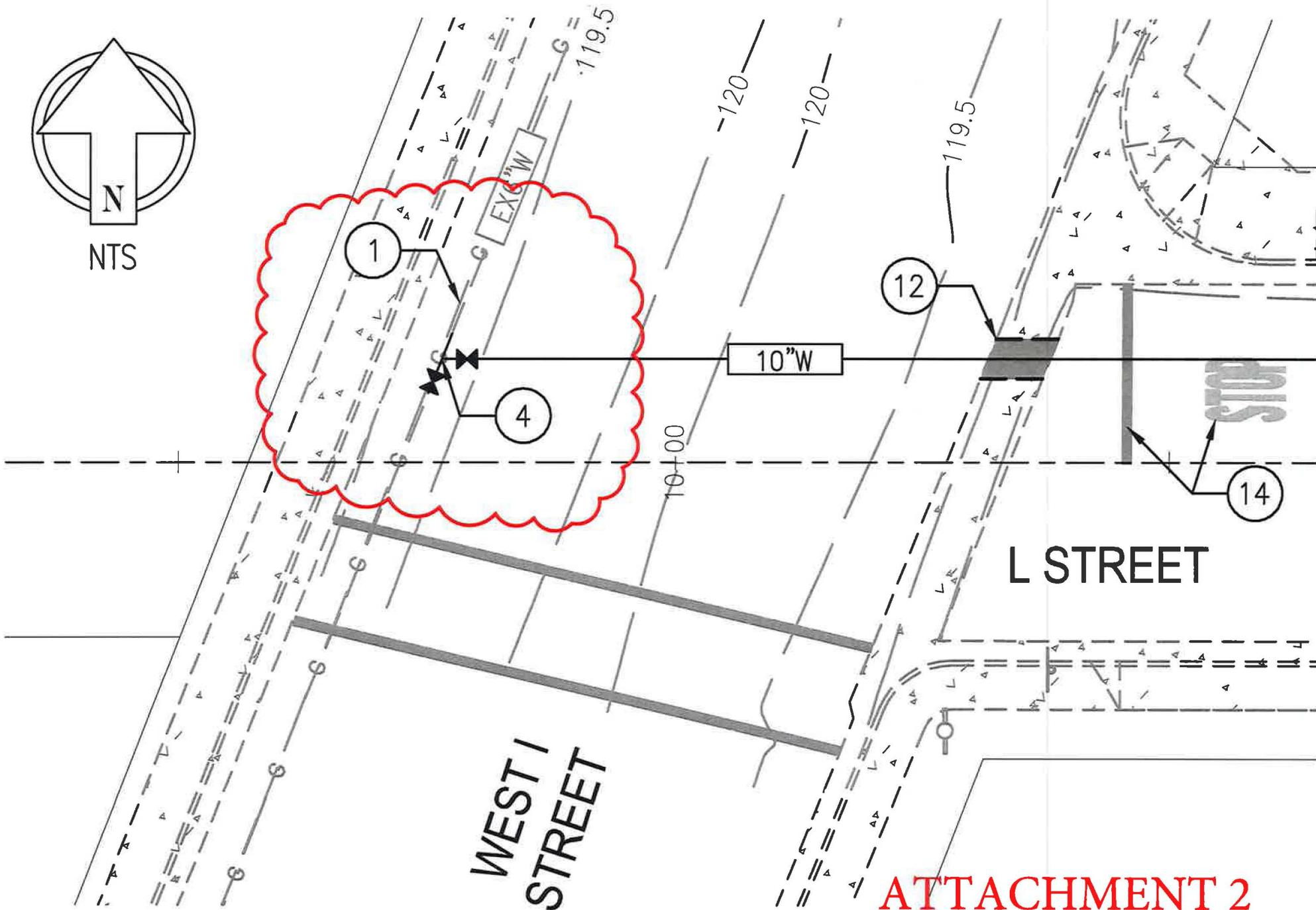
After cleaning and flushing HDPE pipelines a mandrel shall be applied as specified in Section 511-3.2. Any over-deflected pipe shall be re-laid. (The use of rounding devices is not acceptable.)

After the piping passes the mandrel test the pipeline shall be inspected with the use of a video camera. Video of pipelines shall be performed as described in Section 511-4.

This testing requirement shall apply to installations in both city right of way and non-city right of way.

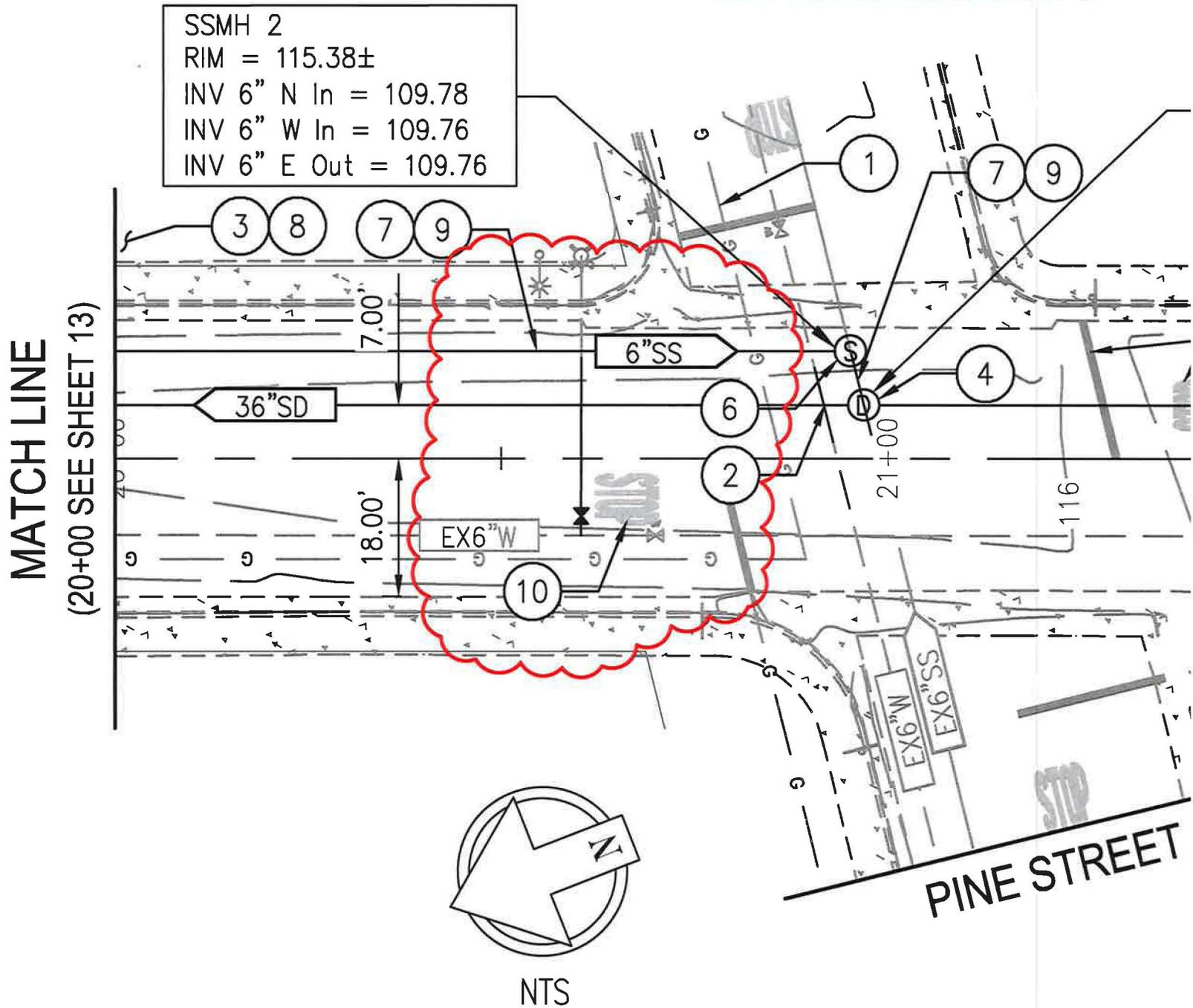


NTS



ATTACHMENT 2

# ATTACHMENT 3



**Revised Bid Schedule**  
**For**  
**HENRY MILLER AREA STORM DRAIN AND L STREET WATERLINE**

BIDDER agrees to perform all the WORK described in the CONTRACT DOCUMENTS for the following unit and lump sum prices and understands that the quantity of WORK shown is approximate only. The schedule shall be completed by the BIDDER with the unit and lump sum prices entered in numerals. The extensions shall be made by the BIDDER. In case of discrepancy between the unit prices and the extension thereof, the unit price shall be considered as correct when evaluating BIDS.

ITEM NO.	ITEM	QUANTITY AND UNIT	UNIT PRICE	AMOUNT
<b>L STREET WATERLINE</b>				
1	Mobilization	1 LS	\$	\$
	<i>* (Item 1 Not to Exceed \$12,000.00)</i>			<i>* (See Note)</i>
2	Traffic Control	1 LS	\$	\$
	<i>** (Item 2 Not to Exceed \$18,000.00)</i>			<i>** (See Note)</i>
3	Furnish and Install 10" Waterline	3,325 LF	\$	\$
4	Furnish and Install 6" Waterline	40 LF	\$	\$
5	Furnish and Install 10" Water Valve	13 EA	\$	\$
6	Furnish and Install 6" Water Valve	16 EA	\$	\$
7	Furnish and Install 4" Water Valve	1 EA	\$	\$
8	Hot Taps	1 EA	\$	\$
9	Furnish & Install Fire Hydrant Assembly	4 EA	\$	\$
10	Transfer Existing Fire Hydrant Connection	2 EA	\$	\$
11	Transfer School Fire Service	1 EA	\$	\$
12	Transfer Existing Residential Water Service	18 EA	\$	\$
13	Remove and Re-Install Sign	1 EA	\$	\$
14	Furnish and Apply Thermoplastic Markings	1 LS	\$	\$
15	Construction Staking	1 LS	\$	\$

**HENRY MILLER AREA STORM DRAIN**

16	Mobilization	1	LS	\$	\$
	<i>*** (Item 16 Not to Exceed \$18,000.00)</i>				<i>*** (See Note)</i>
17	Traffic Control	1	LS	\$	\$
	<i>**** (Item 17 Not to Exceed \$23,000.00)</i>				<i>**** (See Note)</i>
18	Furnish and Install 36" Storm Drain Pipe	3,198	LF	\$	\$
19	Furnish and Install 18" Storm Drain Pipe	340	LF	\$	\$
21	Furnish and Install 12" Storm Drain Pipe	160	LF	\$	\$
22	Furnish and Install Storm Drain Manhole	11	EA	\$	\$
22	Construct Storm Drain Catch Basin	3	EA	\$	\$
23	Sheeting, Shoring, and Bracing	1	LS	\$	\$
24	Sewer Line Installation and Sewer Service Reconnections	1	LS	\$	\$
25	Water Main and Water Service Adjustments	1	LS	\$	\$
26	Furnish and Apply Thermoplastic and Paint Markings and Striping	1	LS	\$	\$
27	Construction Staking	1	LS	\$	\$
<b>TOTAL:</b>				<b>\$</b>	

Note: The representations made herein are made under penalty of perjury. Any information contained in the BID which is proven false shall be considered nonresponsive and this BID shall be rejected.