

**I. Project Segment Description**

- A. Location: This project segment is located on Callet Street from University Boulevard to Locksley Avenue.

Location Information	
Description	Data
Water ID	129
MAPSCO	34H
DWU W/S Map	26-22
Council District	14

- B. Existing Conditions

Description	Water Main	Wastewater Main
DWU As-built	P-43	N/A
Length (ft)	800	N/A
Diameter (in)	4"	N/A
Year Built	Unknown	N/A
Material	C.I.	N/A

**II. Field Observations**

- A. Easements and Right-of-Way

The water main being replaced is within the dedicated street R.O.W. No additional easements are required.

- B. Surface/Pavement

Callet Street is an asphalt street with concrete curb and gutter. The pavement is in good condition within the project limit.

- C. Trees and Landscaping

There are existing trees and landscaping along the street, but these should not be adversely affected because the line to be replaced is under the existing street.

- D. Adjacent Structures

There are existing storm sewer inlets and overhead electrical lines at the University Boulevard intersection and street lighting located within the street R.O.W.

**III. Recommendation**

A. Water Main Improvement

It is recommended that the existing 4” water main be replaced with 8” PVC Class 200 water pipe.

B. Wastewater Improvement

No associated wastewater main replacement is included in this project.

C. Construction/Surface Improvement

Open cut method is recommended for the water line replacement due to the following factors: (1) Callet Street is a residential street which is easily accessible with dedicated R.O.W. and flexible pavement, and (2) The water main has numerous service connections that will require open cut to make the connection to the proposed main. The existing pavement should be sawcut and replaced with the same type of pavement removed, per City of Dallas standards.

D. Traffic Control

Callet Street is a two-way, two-lane residential street with parallel parking and driveway entry on both sides of the roadway. Traffic will have to be limited to one lane only during construction. University Boulevard is a two-way, four-lane street with busy traffic. A short section of the right lane on the west bound of University Boulevard will need to be closed to facilitate the water line construction. Additionally, the east bound lane of Locksley Avenue, a residential street, will be closed during construction of the water line.

**IV. Opinion of Probable Cost**

<b>Opinion of Probable Cost</b>				
<b>Qty</b>	<b>Unit</b>	<b>Description</b>	<b>Unit Cost \$</b>	<b>Total \$</b>
800	LF	8” PVC Class 200 Water Pipe	60.00	48,000.00
2	EA	8” Gate Valve	800.00	1,600.00
30	EA	Water Service Connection	600.00	18,000.00
800	LF	Trench Safety System	1.50	1,200.00
60	CY	Reinforced Concrete Pavement	165.00	9,900.00
40	TN	Asphalt Pavement	80.00	3,200.00
21	CY	Temp Paving Flex Base	30.00	630.00
40	TN	Temp Asphalt Paving	55.00	2,200.00
0.2	TN	Cast Iron Fittings	1,500.00	300.00
		<b>TOTAL</b>		<b>85,030.00</b>

