

**I. Project Segment Description**

- A. Location: This project segment is located on Garrett Avenue from Terry Street to Santa Fe Avenue.

Location Information	
Description	Data
Water ID	366
MAPSCO	46G
DWU W/S Map	36-29
Council District	2

- B. Existing Conditions

Description	Water Main	Wastewater Main
DWU As-built	F.B. 501 p. 43	N/A
Length (ft)	350	N/A
Diameter (in)	1 1/2"	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

Garrett Avenue 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 in the parkway, but these should not be adversely affected because the line to be replaced is under the existing street.

- D. Adjacent Structures

There are existing overhead electrical lines and a storm sewer located within the street R.O.W.

**III. Recommendation**

A. Water Main Improvement

It is recommended that the existing 1 ½” 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) Garrett Avenue 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

Garrett Avenue is a two-way, two-lane residential street with parallel parking and front entry driveways on both sides of the roadway. Traffic will have to be limited to one lane only during construction. Terry Street is a two-way, two-lane street with some residential traffic. A short section of the southwest bound lane on Terry Street will need to be closed to facilitate the water line construction.

**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>
350	LF	8" PVC Class 200 Water Pipe	60.00	21,000.00
1	EA	8" Gate Valve	800.00	800.00
1	EA	6" Gate Valve	600.00	600.00
12	EA	Water Service Connection	600.00	7,200.00
350	LF	Trench Safety System	1.50	525.00
18	TN	Asphalt Pavement	80.00	1,440.00
20	LF	6" PVC C900 Water Line	50.00	1,000.00
9	CY	Temp Paving Flex Base	30.00	270.00
18	TN	Temp Asphalt Paving	55.00	990.00
1	EA	Fire Hydrant	2,000.00	2,000.00
0.1	TN	Cast Iron Fittings	1,500.00	150.00
		<b>TOTAL</b>		<b>35,975.00</b>