

I. Project Segment Description

- A. Location: This project segment is located on Garrett Avenue from Fuqua Street to Chambers Street.

Location Information	
Description	Data
Water ID	364
MAPSCO	36W
DWU W/S Map	33-27
Council District	2

- B. Existing Conditions

Description	Water Main	Wastewater Main
DWU As-built	Q49, 685W750 Sh. 17	N/A
Length (ft)	350	N/A
Diameter (in)	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, street lighting, and two storm inlets located within the street R.O.W.

III. Recommendation

A. Water Main Improvement

It is recommended that the existing 2” 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

Talisman Drive is a two-way, two-lane residential street with parallel parking and access to homes and apartments on both sides of the roadway. Traffic will have to be limited to one lane only during construction. Care will need to be taken so as not to disrupt the access to Fire Station No. 8 located near the project area on the northwest corner of Garrett Avenue and Monarch Street.

IV. Opinion of Probable Cost

Opinion of Probable Cost				
Qty	Unit	Description	Unit Cost \$	Total \$
350	LF	8” PVC Class 200 Water Pipe	60.00	21,000.00
12	EA	Water Service Connection	600.00	7,200.00
350	LF	Trench Safety System	1.50	525.00
21	CY	Reinforced Concrete Pavement	165.00	3,465.00
14	TN	Asphalt Pavement	80.00	1,120.00
7	CY	Temp Paving Flex Base	30.00	210.00
14	TN	Temp Asphalt Paving	55.00	770.00
0.1	TN	Cast Iron Fittings	1,500.00	150.00
		TOTAL		34,440.00