

I. Project Segment Description

- A. Location: This project segment is located on Bordeaux Avenue from Fairfax Avenue to Edmondson Avenue.

Location Information	
Description	Data
Water ID	95
MAPSCO	34M
DWU W/S Map	29-22
Council District	14

- B. Existing Conditions

Description	Water Main	Wastewater Main
DWU As-built	N, O-44	Q865 Sh. 3
Length (ft)	450	450
Diameter (in)	6"	6", 8"
Year Built	1948	1950
Material	C.I.	Conc.

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

Talisman Drive is an asphalt street with concrete curb and gutter. A portion of the pavement surface is in poor 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 sanitary and storm sewer lines and manholes located within the street R.O.W.

III. Recommendation

A. Water Main Improvement

It is recommended that the existing 6" water main be replaced with 8" PVC Class 200 water pipe.

B. Wastewater Improvement

Although there appears to be adequate separation between the existing wastewater and the adjacent water lines, it is recommended that the wastewater main be televised and a condition assessment performed due to the age (built in 1950) of the infrastructure.

C. Construction/Surface Improvement

Open cut method is recommended for the water line replacement due to the following factors: (1) Bordeaux 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

Bordeaux Avenue is a two-way, two-lane residential street with parallel parking on both sides of the roadway. Traffic will have to be limited to one lane only during construction. Edmondson Avenue and Fairfax Avenue are both two-way, two-lane streets with busy residential traffic. Edmondson Avenue will be completely closed to through traffic while only a short section of the right lane on the west bound of Fairfax Avenue will need to be closed to facilitate the water line construction.

IV. Opinion of Probable Cost

Opinion of Probable Cost				
Qty	Unit	Description	Unit Cost \$	Total \$
450	LF	8" PVC Class 200 Water Pipe	60.00	27,000.00
2	EA	8" Gate Valve	800.00	1,600.00
1	EA	6" Gate Valve	600.00	600.00
450	LF	Trench Safety System	1.50	675.00
30	CY	Reinforced Concrete Pavement	165.00	4,950.00
23	TN	Asphalt Pavement	80.00	1,840.00
20	LF	6" PVC C900 Water Line	50.00	1,000.00
12	CY	Temp Paving Flex Base	30.00	360.00
23	TN	Temp Asphalt Paving	55.00	1,265.00
1	EA	Fire Hydrant	2,000.00	2,000.00
0.4	TN	Cast Iron Fittings	1,500.00	600.00
		TOTAL		41,890.00