

I. Project Segment Description

- A. Location: This project segment is located on Talisman Drive from Channel Road to Webb Chapel Road.

Location Information	
Description	Data
Water ID	999
MAPSCO	23B
DWU W/S Map	19-28
Council District	13

- B. Existing Conditions

Description	Water Main	Wastewater Main
DWU As-built	F.B. 384 p. 20 and 775 pp. 44-47	N/A
Length (ft)	860	N/A
Diameter (in)	6"	N/A
Year Built	1955	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

Talisman Drive 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 street lighting 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

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) Talisman Drive 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 for the width of trench only.

D. Traffic Control

Talisman Drive 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. Webb Chapel Road is a two-way, four-lane, divided street with busy traffic. A short section of the right lane on the north bound of Webb Chapel Road 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 \$
860	LF	8" PVC Class 200 Water Pipe	60.00	51,600.00
2	EA	8" Gate Valve	800.00	1,600.00
1	EA	6" Gate Valve	600.00	600.00
18	EA	Water Service Connection	600.00	10,800.00
860	LF	Trench Safety System	1.50	1,290.00
64	CY	Reinforced Concrete Pavement	165.00	10,560.00
42	TN	Asphalt Pavement	80.00	3,360.00
20	LF	6" PVC C900 Water Line	50.00	1,000.00
21	CY	Temp Paving Flex Base	30.00	630.00
42	TN	Temp Asphalt Paving	55.00	2,310.00
1	EA	Fire Hydrant	2,000.00	2,000.00
0.2	TN	Cast Iron Fittings	1,500.00	300.00
		TOTAL		86,050.00