

I. Project Segment Description

- A. Location: This project segment is located on Lakehurst Avenue from Thackery Street to Hillcrest Road.

Location Information	
Description	Data
Water ID	529
MAPSCO	25L, 25M
DWU W/S Map	19-26
Council District	13

- B. Existing Conditions

Description	Water Main	Wastewater Main
DWU As-built	Preston F.W.D. Sh. 3	N/A
Length (ft)	1,000	N/A
Diameter (in)	6"	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

Lakehurst Avenue is an asphalt street without curb and gutter. The pavement is in fair condition within the project limit.

- C. Trees and Landscaping

There are existing trees and landscaping in the front yards, 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 fiber optics 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) Lakehurst 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 for the width of trench only.

D. Traffic Control

Lakehurst 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.

IV. Opinion of Probable Cost

Opinion of Probable Cost				
Qty	Unit	Description	Unit Cost \$	Total \$
1,000	LF	8" PVC Class 200 Water Pipe	60.00	60,000.00
1	EA	8" Gate Valve	800.00	800.00
2	EA	6" Gate Valve	600.00	1,200.00
18	EA	Water Service Connection	600.00	10,800.00
1,000	LF	Trench Safety System	1.50	1,500.00
75	CY	Reinforced Concrete Pavement	165.00	12,375.00
50	TN	Asphalt Pavement	80.00	4,000.00
40	LF	6" PVC C900 Water Line	50.00	2,000.00
25	CY	Temp Paving Flex Base	30.00	750.00
50	TN	Temp Asphalt Paving	55.00	2,750.00
2	EA	Fire Hydrant	2,000.00	4,000.00
0.2	TN	Cast Iron Fittings	1,500.00	300.00
1	EA	12" x 8" Tapping Sleeve	2,500.00	2,500.00
		TOTAL		102,975.00