

I. Project Segment Description

- A. Location: This project segment is located on Linwood Street from Newmore Avenue to Lovers Lane.

Location Information	
Description	Data
Water ID	551
MAPSCO	34C
DWU W/S Map	25 & 26-22
Council District	14

- B. Existing Conditions

Description	Water Main	Wastewater Main
DWU As-built	685 W700 Sh. 45-A	N/A
Length (ft)	620	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

Linwood Street is a concrete street with curb and gutter. The pavement is in good condition within the project limit.

- C. Trees and Landscaping

There are existing trees and landscaping along the street, 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 at the Lovers Lane intersection and storm inlets at the Newmore Avenue and Kelton Drive intersections 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) Linwood Street is a residential street which is easily accessible with dedicated R.O.W., 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

Linwood Street 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. Lovers Lane is a two-way, four-lane street with busy traffic. A short section of the right lane on the east bound of Lovers Lane will need to be closed to facilitate the water line construction. Additionally, Newmore Avenue is a busy two-way, two-lane residential street and will be restricted to one lane during construction. Kelton Drive, a low traffic volume street, will be completely closed during the construction period.

IV. Opinion of Probable Cost

Opinion of Probable Cost				
Qty	Unit	Description	Unit Cost \$	Total \$
620	LF	8" PVC Class 200 Water Pipe	60.00	37,200.00
3	EA	8" Gate Valve	800.00	2,400.00
1	EA	6" Gate Valve	600.00	600.00
13	EA	Water Service Connection	600.00	7,800.00
620	LF	Trench Safety System	1.50	930.00
46	CY	Reinforced Concrete Pavement	165.00	7,590.00
31	TN	Asphalt Pavement	80.00	2,480.00
20	LF	6" PVC C900 Water Line	50.00	1,000.00
16	CY	Temp Paving Flex Base	30.00	480.00
31	TN	Temp Asphalt Paving	55.00	1,705.00
1	EA	Fire Hydrant	2,000.00	2,000.00
0.6	TN	Cast Iron Fittings	1,500.00	900.00
		TOTAL		65,085.00