

I. Project Segment Description

- A. Location: This project segment is located on Clymer Street from Fitchburg Street to Dow Court.

Location Information	
Description	Data
Water ID	191
MAPSCO	42U
DWU W/S Map	40-14
Council District	1

- B. Existing Conditions

Description	Water Main	Wastewater Main
DWU As-built	F.B. 135 p. 36	411Q 1702 Sh. 20
Length (ft)	400	400
Diameter (in)	6"	6"
Year Built	Unknown	1963
Material	C.I.	VCT

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

Clymer 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 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 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

It is recommended that the existing 6" wastewater main be left in place as it has a minimum of 12 years remaining of its original design life and the adjacent water main can be relocated within the 50-foot wide street R.O.W. to maintain the minimum separation per TNRCC standards.

C. Construction/Surface Improvement

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

Clymer Street is a two-way, two-lane residential street with parallel parking and front entry driveways on both sides of the roadway. Traffic will have to be limited to one lane only during construction. Fitchburg Street is a two-way, two-lane street with busy traffic. A short section of the right lane on the east bound of Fitchburg Street 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 \$
400	LF	8" PVC Class 200 Water Pipe	60.00	24,000.00
1	EA	8" Gate Valve	800.00	800.00
1	EA	6" Gate Valve	600.00	600.00
12	EA	Water Service Connection	600.00	7,200.00
400	LF	Trench Safety System	1.50	600.00
30	CY	Reinforced Concrete Pavement	165.00	4,950.00
20	LF	6" PVC C900 Water Line	50.00	1,000.00
10	CY	Temp Paving Flex Base	30.00	300.00
20	TN	Temp Asphalt Paving	55.00	1,100.00
1	EA	Fire Hydrant	2,000.00	2,000.00
0.1	TN	Cast Iron Fittings	1,500.00	150.00
		TOTAL		42,700.00