

**I. Project Segment Description**

- A. Location: This project segment is located on Amherst Circle from Preston Park to the end of Amherst Circle.

Location Information	
Description	Data
Water ID	23
MAPSCO	34D
DWU W/S Map	25-23
Council District	13

- B. Existing Conditions

Description	Water Main	Wastewater Main
DWU As-built	Q-43	N/A
Length (ft)	200	N/A
Diameter (in)	4"	N/A
Year Built	1959	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

Amherst Circle is a concrete street with curb and gutter. The pavement is in fair condition within the project limit.

- C. Trees and Landscaping

There are large existing trees 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 along Preston Park and a Southwestern Bell junction structure on the southwest corner of Preston Park and Amherst Circle.

**III. Recommendation**

A. Water Main Improvement

It is recommended that the existing 4" 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 because Amherst Circle is a residential street which is easily accessible with dedicated R.O.W. The existing pavement should be sawcut and replaced with the same type of pavement removed, per City of Dallas standards.

D. Traffic Control

Amherst Circle is a 50-foot wide 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. Preston Park is a two-way, two-lane street with busy residential traffic. A short section of the right lane on the south bound of Preston Park 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 \$
200	LF	8" PVC Class 200 Water Pipe	60.00	12,000.00
1	EA	8" Gate Valve	800.00	800.00
4	EA	Water Service Connection	600.00	2,400.00
200	LF	Trench Safety System	1.50	300.00
15	CY	Reinforced Concrete Pavement	165.00	2,475.00
2	TN	Asphalt Pavement	80.00	160.00
5	CY	Temp Paving Flex Base	30.00	150.00
10	TN	Temp Asphalt Paving	55.00	550.00
0.3	TN	Cast Iron Fittings	1,500.00	450.00
		<b>TOTAL</b>		<b>19,285.00</b>