

I. Project Segment Description

- A. Location: This project segment is located on Georgia Avenue from Bruck Street to Corinth Street.

Location Information	
Description	Data
Water ID	377
MAPSCO	55P
DWU W/S Map	48-25
Council District	6

- B. Existing Conditions

Description	Water Main	Wastewater Main
DWU As-built	J19, 20	Q126 Sh. 1, Q1338 Sh. 3
Length (ft)	350	200
Diameter (in)	6"	6"
Year Built	Unknown	1945
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

Georgia Avenue 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

No apparent adjacent utilities were observed in the field.

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 replaced with 8" PVC wastewater pipe due to its age (over 50 years old) and size (6").

C. Construction/Surface Improvement

Open cut method is recommended for both the water line and wastewater line replacement due to the following factors: (1) Georgia Avenue is a residential street which is easily accessible with dedicated R.O.W. and flexible pavement, and (2) Both the water main and wastewater main have 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

Georgia 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 \$
350	LF	8" PVC Class 200 Water Pipe	60.00	21,000.00
2	EA	8" Gate Valve	800.00	1,600.00
13	EA	Water Service Connection	600.00	7,800.00
550	LF	Trench Safety System	1.50	825.00
44	CY	Reinforced Concrete Pavement	165.00	7,260.00
28	TN	Asphalt Pavement	80.00	2,240.00
14	CY	Temp Paving Flex Base	30.00	420.00
28	TN	Temp Asphalt Paving	55.00	1,540.00
0.1	TN	Cast Iron Fittings	1,500.00	150.00
200	LF	8" PVC SDR35 Wastewater Pipe	65.00	13,000.00
13	EA	Wastewater Service Connection	650.00	8,450.00
1	EA	Wastewater Manhole	2,500.00	2,500.00
1	EA	Wastewater Access Device	1,500.00	1,500.00
		TOTAL		68,285.00