

**I. Project Segment Description**

- A. Location: This project segment is located on Caswell Street from Cullum Boulevard to Second Avenue.

Location Information	
Description	Data
Water ID	151
MAPSCO	46U
DWU W/S Map	40-30
Council District	7

- B. Existing Conditions

Description	Water Main	Wastewater Main
DWU As-built	N-54	N/A
Length (ft)	230	N/A
Diameter (in)	2"	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

Caswell Street is a concrete street with curb and gutter. About half of the street has been overlaid with asphalt. The pavement is in good condition within the project limit.

- C. Trees and Landscaping

No trees or landscaping will be impacted by this project.

- D. Adjacent Structures

There are existing overhead electrical lines and street lighting located within the street R.O.W. Also, there is a storm sewer crossing Caswell Street.

**III. Recommendation**

A. Water Main Improvement

It is recommended that the existing 2” 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) Caswell Street 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

Caswell 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.

**IV. Opinion of Probable Cost**

Opinion of Probable Cost				
Qty	Unit	Description	Unit Cost \$	Total \$
230	LF	8” PVC Class 200 Water Pipe	60.00	13,800.00
2	EA	8” Gate Valve	800.00	1,600.00
4	EA	Water Service Connection	600.00	2,400.00
230	LF	Trench Safety System	1.50	345.00
17	CY	Reinforced Concrete Pavement	165.00	2,805.00
12	TN	Asphalt Pavement	80.00	960.00
6	CY	Temp Paving Flex Base	30.00	180.00
12	TN	Temp Asphalt Paving	55.00	660.00
		<b>TOTAL</b>		<b>22,750.00</b>