

**I. Project Segment Description**

- A. Location: This project segment is located on Goldwood Drive from Southport Drive to 500' southwest.

Location Information	
Description	Data
Water ID	391
MAPSCO	64Y
DWU W/S Map	60-22
Council District	8

- B. Existing Conditions

Description	Water Main	Wastewater Main
DWU As-built	N/A	Q1790 Sh. 51
Length (ft)	500	500
Diameter (in)	6"	8
Year Built	Unknown	1959
Material	C.I.	Concrete

**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

Goldwood Drive 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 and storm sewers 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**

The existing 8" concrete wastewater main is located in the center of the street. Since there is enough room on Goldwood Drive to maintain a 9-foot separation, it is recommended that the existing wastewater main be left in place.

**C. Construction/Surface Improvement**

Open cut method is recommended for the water line replacement due to the following factors: (1) Goldwood Drive is a residential street which is easily accessible with dedicated R.O.W. and flexible pavement,(2) The water main has numerous service connections that will require open cut to make the connection to the proposed main, and (3) The water main might have to be relocated to provide separation from the existing wastewater 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**

Goldwood Drive 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 \$
500	LF	8" PVC Class 200 Water Pipe	60.00	30,000.00
2	EA	8" Gate Valve	800.00	1,600.00
1	EA	6" Gate Valve	600.00	600.00
13	EA	Water Service Connection	600.00	7,800.00
500	LF	Trench Safety System	1.50	750.00
37	CY	Reinforced Concrete Pavement	165.00	6,105.00
25	TN	Asphalt Pavement	80.00	2,000.00
20	LF	6" PVC C900 Water Line	50.00	1,000.00
13	CY	Temp Paving Flex Base	30.00	390.00
25	TN	Temp Asphalt Paving	55.00	1,375.00
1	EA	Fire Hydrant	2,000.00	2,000.00
0.4	TN	Cast Iron Fittings	1,500.00	600.00
		<b>TOTAL</b>		<b>54,220.00</b>