

**I. Project Segment Description**

- A. Location: This project segment is located on Morningside Avenue from Skillman Avenue to Clements Street.

Location Information	
Description	Data
Water ID	630
MAPSCO	36Q
DWU W/S Map	29-29
Council District	14

- B. Existing Conditions

Description	Water Main	Wastewater Main
DWU As-built	U49, F.B. 16 p. 30	N/A
Length (ft)	400	N/A
Diameter (in)	4"	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

Morningside Avenue is an asphalt street with concrete 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 storm inlets near the Clements Street intersection located within the street R.O.W.

**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 due to the following factors: (1) Morningside Avenue 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.

D. Traffic Control

Morningside 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. Skillman Avenue is a two-way, four-lane street with busy traffic. A short section of the right lane on the north bound of Skillman Avenue 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
14	EA	Water Service Connection	600.00	8,400.00
400	LF	Trench Safety System	1.50	600.00
30	CY	Reinforced Concrete Pavement	165.00	4,950.00
20	TN	Asphalt Pavement	80.00	1,600.00
10	CY	Temp Paving Flex Base	30.00	300.00
20	TN	Temp Asphalt Paving	55.00	1,100.00
0.1	TN	Cast Iron Fittings	1,500.00	150.00
		<b>TOTAL</b>		<b>41,900.00</b>