

Appendix M: Cost Estimates for the Extension of Public Utilities in Neighborhoods G and H

SANITARY INTERCEPTOR SEWER BETWEEN SUNNY SLOPE ROAD AND MOORLAND ROAD

A conceptual layout prepared by the City's Engineering Services Division results in the following Interceptor quantities and installation costs based on quotes received from local contractors (assuming 2009 dollars):

Table 1

Interceptor	Quantity		Unit Cost	Cost
<i>East-West Leg</i>				
Residential				
36" Dia. Sanitary Sewer	5,000	LF	\$270	\$1,350,000
Manholes	14	EA	\$8,000	\$112,000
<i>Subtotal</i>				\$1,462,000
Business Park				
36" Dia. Sanitary Sewer	3,100	LF	\$270	\$837,000
Manholes	9	EA	\$8,000	\$72,000
<i>Subtotal</i>				\$909,000
<i>Total</i>				\$2,371,000
<i>North Leg</i>				
Business Park				
36" Dia. Sanitary Sewer	4,900	LF	\$270	\$1,323,000
Manholes	15	EA	\$8,000	\$120,000
<i>Subtotal</i>				\$1,443,000
<i>South-Central Leg</i>				
Residential				
36" Dia. Sanitary Sewer	2,000	LF	\$240	\$480,000
Manholes	7	EA	\$5,000	\$35,000
<i>Subtotal</i>				\$515,000
<i>Combined Totals</i>				\$4,329,000

CONVEYANCE WATER MAIN BETWEEN SUNNY SLOPE ROAD AND MOORLAND ROAD

A conceptual layout prepared by the City's Engineering Services Division results in the following Water Main quantities and installation costs based on quotes received from local contractors (assuming 2009 dollars):

Table 1

Water Main	Quantity	Unit		Cost
			Cost	
16" Dia. Water Main	9,900	LF	\$260	\$2,574,000
Butterfly Valves	14	EA	\$2,500	\$35,000
Valve Vaults	14	EA	\$5,000	\$70,000
Hydrant Assemblies	25	EA	\$3,400	\$85,000
Mobilization				\$20,000
Traffic Control				\$10,000
Erosion Control				\$20,000
Taps & testing				\$15,000
Subtotal				\$2,829,000
Contingencies (≈15%)				\$424,000
Total Estimate				\$3,253,000