

Project:	Sanitary Sewer and Water line				
Date:	1/13/2005				
Prep. by	MDK				
Costs to provide sewer and water service to west of river, south of Main Street					
Sanitary Sewer Lift Station/Force Main to the Site					
	Approx.				
Item No.	Quantity	Unit	Item	Unit Cost	Total Cost
1	1650	L.F.	4" Force Main	\$14.00	\$23,100.00
2	1	LS	River Crossing	\$15,000.00	\$15,000.00
3	3	Ea.	Air Release Assemblies	\$4,500.00	\$13,500.00
4	1	LS	Lift Station/Generator	\$120,000.00	\$120,000.00
5	1	L.S.	Site Clearing & Restoration	\$15,000.00	\$15,000.00
Construction Estimate					\$186,600.00
25% Project Costs					\$46,650.00
15% Contingencies					\$27,990.00
Estimated Project Total:					\$261,240.00
Sanitary Sewer Improvements (internal laterals)					
	Approx.				
Item No.	Quantity	Unit	Item	Unit Cost	Total Cost
1	3800	LF	12" Sanitary Sewer	\$45.00	\$171,000.00
2	9800	L.F.	8" Sanitary Sewer	\$24.00	\$235,200.00
3	46	Ea.	Manholes	\$2,400.00	\$110,400.00
4	57	Ea.	Service Connections	\$500.00	\$28,500.00
5	400	LF	Road Crossings	\$30.00	\$12,000.00
6	450	LF	Drive Crossings	\$25.00	\$11,250.00
7	1	L.S.	Site Clearing & Restoration	\$25,000.00	\$25,000.00
Construction Estimate					\$593,350.00
25% Project Costs					\$148,337.50
15% Contingencies					\$89,002.50
Estimated Project Total:					\$830,690.00
TOTAL SEWER ESTIMATE					\$1,091,930.00
Water Line Improvements					
	Approx.				
Item No.	Quantity	Unit	Item	Unit Cost	Total Cost
1	5600	L.F.	12" Water line	\$26.00	\$145,600.00
2	1	LS	12" River Crossing	\$20,000.00	\$20,000.00
3	8100	L.F.	8" Water line	\$18.00	\$145,800.00
4	3200	L.F.	4" Water line	\$14.00	\$44,800.00
5	9	Ea.	12" Valves	\$1,200.00	\$10,800.00
6	14	Ea.	8" Valves	\$900.00	\$12,600.00
7	2	Ea.	4" Valves	\$750.00	\$1,500.00
8	4	Ea.	Flushing Hydrant Assemblies	\$1,400.00	\$5,600.00
9	22	Ea.	Fire Hydrant Assembly	\$2,000.00	\$44,000.00
10	57	Ea.	Services	\$600.00	\$34,200.00
11	385	LF	Road Crossings	\$30.00	\$11,550.00
12	450	LF	Drive Crossings	\$22.00	\$9,900.00
13	1	L.S.	Site Clearing & Restoration	\$30,000.00	\$30,000.00
Construction Estimate					\$516,350.00
25% Project Costs					\$129,087.50
15% Contingencies					\$77,452.50
Estimated Project Total:					\$722,890.00
TOTAL WATER ESTIMATE					\$722,890.00

Costs						
Lift Station/Force Main			\$261,240.00			
Sanitary Sewer			\$830,690.00			
Water Line			\$722,890.00			
Total All Improvements			\$1,814,820.00			
#lots		57				
5% int over 15 yrs		0.0963				
Approximate cost/lot	\$31,838.95					
Total Cost/lot/year	\$3,066.09					
Total Cost/lot/month	\$255.51					
Assume 57 lots pays 1/3 of LS/FM and remainder of service area pays remainder.						
Assume City pays for oversizing of Water Supply lines from 8" to 12"						
			57 lots	City		
Lift Station/Force Main			\$87,080.00	\$174,160.00		
Sanitary Sewer			\$830,690.00	\$0.00		
Water line			\$656,390.00	\$66,500.00		
Total All Improvements			\$1,574,160.00	\$240,660.00		
#lots		57				
5% int over 15 yrs		0.0963				
Approximate cost/lot	\$27,616.84					
Total Cost/lot/year	\$2,659.50					
Total Cost/lot/month	\$221.63					