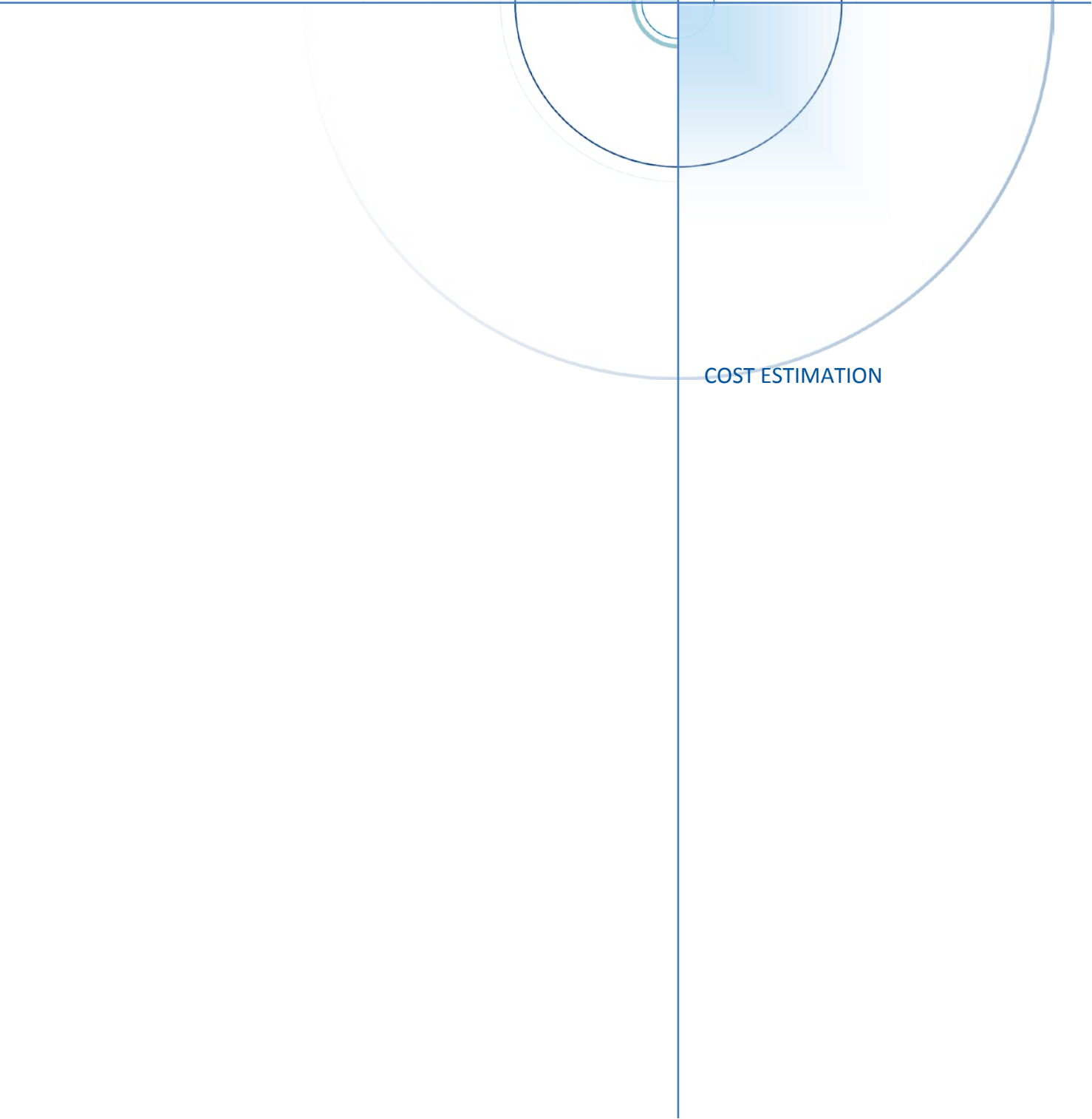


APPENDIX B



COST ESTIMATION

Option 1 Convey WW to Existing Port Lavaca Plant

	Double D	Matson	Meadow Brook	Royal Estate	Shoreline Acres	Six Mile	Hackberry Junct	Bay Meadows	Bowman	Shady Acres
Lots	90	50	55	38	80	90	39	45	32	43
Flow (MGD)	0.02	0.01	0.01	0.01	0.02	0.02	0.01	0.01	0.01	0.01
Collection System \$	\$567,000.00	\$315,000.00	\$346,500.00	\$239,400.00	\$504,000.00	\$567,000.00	\$245,700.00	\$283,500.00	\$201,600.00	\$270,900.00
Force Main (4")	\$150,000.00	\$250,000.00	\$250,000.00	\$275,000.00	\$100,000.00	\$125,000.00	\$112,500.00	\$100,000.00	\$112,500.00	\$245,000.00
Force Main (6")	\$0.00	\$0.00	\$0.00	\$90,000.00	\$90,000.00	\$90,000.00	\$0.00	\$90,000.00	\$0.00	\$0.00
Lift Station (<0.50 MGD)	\$250,000.00	\$125,000.00	\$125,000.00	\$250,000.00	\$250,000.00	\$250,000.00	\$125,000.00	\$250,000.00	\$125,000.00	\$250,000.00
Subtotal	\$967,000.00	\$690,000.00	\$721,500.00	\$854,400.00	\$944,000.00	\$1,032,000.00	\$483,200.00	\$723,500.00	\$439,100.00	\$765,900.00
Contingencies (15%)	\$145,050.00	\$103,500.00	\$108,225.00	\$128,160.00	\$141,600.00	\$154,800.00	\$72,480.00	\$108,525.00	\$65,865.00	\$114,885.00
Subtotal	\$1,112,050.00	\$793,500.00	\$829,725.00	\$982,560.00	\$1,085,600.00	\$1,186,800.00	\$555,680.00	\$832,025.00	\$504,965.00	\$880,785.00
Professional Services (20%)	\$222,410.00	\$158,700.00	\$165,945.00	\$196,512.00	\$217,120.00	\$237,360.00	\$111,136.00	\$166,405.00	\$100,993.00	\$176,157.00
Subtotal	\$1,334,460.00	\$952,200.00	\$995,670.00	\$1,179,072.00	\$1,302,720.00	\$1,424,160.00	\$666,816.00	\$998,430.00	\$605,958.00	\$1,056,942.00
Total Capital Cost	\$1,334,460.00	\$952,200.00	\$995,670.00	\$1,179,072.00	\$1,302,720.00	\$1,424,160.00	\$666,816.00	\$998,430.00	\$605,958.00	\$1,056,942.00
Capital Cost/Lot	\$14,827.33	\$19,044.00	\$18,103.09	\$31,028.21	\$16,284.00	\$15,824.00	\$17,097.85	\$22,187.33	\$18,936.19	\$24,580.05
Annual Payment in \$	\$66,621.04	\$47,537.24	\$49,707.42	\$58,863.51	\$65,036.46	\$71,099.18	\$33,289.85	\$49,845.21	\$30,251.60	\$52,766.34
Electricity Cost for Operating LS in \$/yr	\$429.92	\$238.85	\$262.73	\$181.52	\$382.15	\$429.92	\$186.30	\$214.96	\$152.86	\$205.41
Monthly Payment/ Lot at full development	\$62.08	\$79.63	\$75.71	\$129.48	\$68.14	\$66.23	\$71.53	\$92.70	\$79.18	\$102.66
City Sewer Fee per Lot per month	\$61.43	\$61.43	\$61.43	\$61.43	\$61.43	\$61.43	\$61.43	\$61.43	\$61.43	\$61.43
Total Monthly Payment per lot	\$123.51	\$141.05	\$137.14	\$190.91	\$129.57	\$127.66	\$132.96	\$154.13	\$140.60	\$164.08

Option 2 - Each Subdivision of Concern Gets it's Own WWTP

	Double D	Matson	Meadow Brook	Royal Estate	Shoreline Acres	Six Mile	Hackberry Junct	Bay Meadows	Bowman	Shady Acres
Lots	90	50	55	38	80	90	39	45	32	43
Plant Capacity (MGD)	0.02	0.01	0.01	0.01	0.02	0.02	0.01	0.01	0.01	0.01
Treatment Cost in \$	\$540,000.00	\$312,500.00	\$343,750.00	\$237,500.00	\$480,000.00	\$540,000.00	\$243,750.00	\$281,250.00	\$200,000.00	\$268,750.00
Collection Cost in \$	\$567,000.00	\$315,000.00	\$346,500.00	\$239,400.00	\$504,000.00	\$567,000.00	\$245,700.00	\$283,500.00	\$201,600.00	\$270,900.00
Subtotal	\$1,107,000.00	\$627,500.00	\$690,250.00	\$476,900.00	\$984,000.00	\$1,107,000.00	\$489,450.00	\$564,750.00	\$401,600.00	\$539,650.00
Contingencies (15%)	\$166,050.00	\$94,125.00	\$103,537.50	\$71,535.00	\$147,600.00	\$166,050.00	\$73,417.50	\$84,712.50	\$60,240.00	\$80,947.50
Subtotal	\$1,273,050.00	\$721,625.00	\$793,787.50	\$548,435.00	\$1,131,600.00	\$1,273,050.00	\$562,867.50	\$649,462.50	\$461,840.00	\$620,597.50
Professional Services (20%)	\$254,610.00	\$144,325.00	\$158,757.50	\$109,687.00	\$226,320.00	\$254,610.00	\$112,573.50	\$129,892.50	\$92,368.00	\$124,119.50
Subtotal	\$1,527,660.00	\$865,950.00	\$952,545.00	\$658,122.00	\$1,357,920.00	\$1,527,660.00	\$675,441.00	\$779,355.00	\$554,208.00	\$744,717.00
Total Capital Cost	\$1,527,660.00	\$865,950.00	\$952,545.00	\$658,122.00	\$1,357,920.00	\$1,527,660.00	\$675,441.00	\$779,355.00	\$554,208.00	\$744,717.00
Capital Cost/Lot	\$16,974.00	\$17,319.00	\$17,319.00	\$17,319.00	\$16,974.00	\$16,974.00	\$17,319.00	\$17,319.00	\$17,319.00	\$17,319.00
Annual Payment in \$	\$76,266.28	\$43,231.34	\$47,554.47	\$32,855.81	\$67,792.24	\$76,266.28	\$33,720.44	\$38,908.20	\$27,668.05	\$37,178.95
O & M Cost in \$	\$114,975.00	\$68,437.50	\$75,281.25	\$52,012.50	\$102,200.00	\$114,975.00	\$53,381.25	\$61,593.75	\$43,800.00	\$58,856.25
Monthly Payment/ Lot at full development	\$177.08	\$186.11	\$186.11	\$186.11	\$177.08	\$177.08	\$186.11	\$186.11	\$186.11	\$186.11

1 - Collection system is assumed to Pressure Sewer System

Option 3 - Regionalized WWTPs for the Subdivisions of Concern

	Double D	Matson	Meadow Brook	Bowman	Hackberry Junct	Shady Acres	Bay Meadows	Royal Estate	Shoreline Acres	Six Mile
Lots	90	50	55	32	39	43	45	38	80	90
Plant Capacity (MGD)	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02
Regional Plant Capacity	0.05			0.03			0.06			
Treatment Cost in \$	\$1,072,500.00			\$641,250.00			\$1,328,250.00			
Treatment Cost in \$/subdivision	\$495,000.00	\$275,000.00	\$302,500.00	\$180,000.00	\$219,375.00	\$241,875.00	\$236,250.00	\$199,500.00	\$420,000.00	\$472,500.00
Forcemain/Lift Station cost in \$	\$450,000.00	\$250,000.00	\$250,000.00	\$225,000.00	\$225,000.00	\$350,000.00	\$450,000.00	\$450,000.00	\$450,000.00	\$375,000.00
Collection Cost in \$	\$567,000.00	\$315,000.00	\$346,500.00	\$201,600.00	\$245,700.00	\$270,900.00	\$283,500.00	\$239,400.00	\$504,000.00	\$567,000.00
Subtotal	\$1,512,000.00	\$840,000.00	\$899,000.00	\$606,600.00	\$690,075.00	\$862,775.00	\$969,750.00	\$888,900.00	\$1,374,000.00	\$1,414,500.00
Contingencies (15%)	\$226,800.00	\$126,000.00	\$134,850.00	\$90,990.00	\$103,511.25	\$129,416.25	\$145,462.50	\$133,335.00	\$206,100.00	\$212,175.00
Subtotal	\$1,738,800.00	\$966,000.00	\$1,033,850.00	\$697,590.00	\$793,586.25	\$992,191.25	\$1,115,212.50	\$1,022,235.00	\$1,580,100.00	\$1,626,675.00
Professional Services (20%)	\$347,760.00	\$193,200.00	\$206,770.00	\$139,518.00	\$158,717.25	\$198,438.25	\$223,042.50	\$204,447.00	\$316,020.00	\$325,335.00
Subtotal	\$2,086,560.00	\$1,159,200.00	\$1,240,620.00	\$837,108.00	\$952,303.50	\$1,190,629.50	\$1,338,255.00	\$1,226,682.00	\$1,896,120.00	\$1,952,010.00
Total Capital Cost	\$2,086,560.00	\$1,159,200.00	\$1,240,620.00	\$837,108.00	\$952,303.50	\$1,190,629.50	\$1,338,255.00	\$1,226,682.00	\$1,896,120.00	\$1,952,010.00
Capital Cost/Lot	\$23,184.00	\$23,184.00	\$22,556.73	\$26,159.63	\$24,418.04	\$27,689.06	\$29,739.00	\$32,281.11	\$23,701.50	\$21,689.00
Annual Payment in \$	\$104,168.57	\$57,871.43	\$61,936.21	\$41,791.44	\$47,542.41	\$59,440.50	\$66,810.50	\$61,240.37	\$94,661.12	\$97,451.35
Electricity Cost for Operating Lsin \$/yr	\$429.92	\$238.85	\$262.73	\$152.86	\$186.30	\$205.41	\$214.96	\$181.52	\$382.15	\$429.92
O & M Cost in \$	\$65,700.00	\$36,500.00	\$40,150.00	\$24,820.00	\$30,249.38	\$33,351.88	\$26,690.63	\$22,538.75	\$47,450.00	\$53,381.25
Monthly Payment/ Lot at full development	\$157.35	\$157.40	\$154.78	\$173.64	\$166.36	\$179.96	\$173.27	\$183.87	\$148.10	\$139.72

Option 4 - Matson/Meadow Brook/Hackberry and Bowman to Crestview WWTP

	Matson	Meadow Brook	Hackberry Junct	Bowman
Lots	50	55	39	32
Flow (MGD)	0.01	0.01	0.01	0.01
Total Flow to Crestview WWTP (MGD)	0.04			
Forcemain/Lift Station cost in \$	\$312,500.00	\$312,500.00	\$312,500.00	\$312,500.00
Collection Cost in \$	\$315,000.00	\$346,500.00	\$245,700.00	\$201,600.00
Subtotal	\$627,500.00	\$659,000.00	\$558,200.00	\$514,100.00
Contingencies (15%)	\$94,125.00	\$98,850.00	\$83,730.00	\$77,115.00
Subtotal	\$721,625.00	\$757,850.00	\$641,930.00	\$591,215.00
Professional Services (20%)	\$144,325.00	\$151,570.00	\$112,573.50	\$92,368.00
Subtotal	\$865,950.00	\$909,420.00	\$754,503.50	\$683,583.00
Total Capital Cost	\$865,950.00	\$909,420.00	\$754,503.50	\$683,583.00
Capital Cost/Lot	\$17,319.00	\$16,534.91	\$19,346.24	\$21,362.00
Annual Payment in \$	\$43,231.34	\$45,401.51	\$33,720.44	\$27,668.05
Electricity Cost for Operating Lsin \$/yr	\$238.85	\$262.73	\$186.30	\$152.86
O & M Cost in \$/yr	\$25,093.75	\$27,603.13	\$19,573.13	\$16,060.00
Monthly Payment/ Lot at full development*	\$134.05	\$130.79	\$134.05	\$134.05

* includes \$62 flat fee for service and the annual payment

Option 1 - Convey WW to Point Comfort WWTP

	Port Alto South	Port Alto North	Olivia
Lots	118	140	68
Flow (MGD)	0.03	0.04	0.02
Collection System \$	\$743,400.00	\$882,000.00	\$428,400.00
Force Main (4")	\$700,000.00	\$700,000.00	\$725,000.00
Lift Station (<0.50 MGD)	\$250,000.00	\$250,000.00	\$250,000.00
Subtotal	\$1,693,400.00	\$1,832,000.00	\$1,403,400.00
Contingencies (15%)	\$254,010.00	\$274,800.00	\$210,510.00
Subtotal	\$1,947,410.00	\$2,106,800.00	\$1,613,910.00
Professional Services (20%)	\$389,482.00	\$421,360.00	\$322,782.00
Subtotal	\$2,336,892.00	\$2,528,160.00	\$1,936,692.00
Total Capital Cost	\$2,336,892.00	\$2,528,160.00	\$1,936,692.00
Capital Cost/Lot	\$19,804.17	\$18,058.29	\$28,480.76
Annual Payment in \$	\$116,666.04	\$126,214.83	\$96,686.62
Electricity Cost for operating LS in \$/	\$563.68	\$668.77	\$324.83
Monthly Payment/ Lot at full development	\$82.79	\$75.53	\$118.89
City Sewer Fee Per Lot	\$17.35	\$17.35	\$17.35
Total Monthly Fee	\$100.14	\$92.88	\$136.24

Option 2 - Each Subdivision Gets it's Own WWTP

	Port Alto South	Port Alto North	Olivia
Lots	118	140	68
Plant Capacity (MGD)	0.03	0.04	0.02
Treatment Cost in \$	\$678,500.00	\$787,500.00	\$408,000.00
Collection Cost in \$	\$743,400.00	\$882,000.00	\$428,400.00
Subtotal	\$1,421,900.00	\$1,669,500.00	\$836,400.00
Contingencies (15%)	\$213,285.00	\$250,425.00	\$125,460.00
Subtotal	\$1,635,185.00	\$1,919,925.00	\$961,860.00
Professional Services (20%)	\$327,037.00	\$383,985.00	\$192,372.00
Subtotal	\$1,962,222.00	\$2,303,910.00	\$1,154,232.00
Total Capital Cost	\$1,962,222.00	\$2,303,910.00	\$1,154,232.00
Capital Cost/Lot	\$16,629.00	\$16,456.50	\$16,974.00
Annual Payment in \$	\$97,961.17	\$115,019.46	\$57,623.41
O & M Cost in \$	\$107,675.00	\$123,917.50	\$86,870.00
Monthly Payment/ Lot at full development	\$145.22	\$142.22	\$177.08

Option 3 - Regionalized WWTP for Subdivisions

	Port Alto South	Port Alto North	Olivia
Lots	118	140	68
Plant Capacity (MGD)	0.03	0.04	0.02
Regional Plant Capacity	0.08		
Treatment Cost in \$	\$1,630,000.00		
Treatment Cost in \$/Subdivision	\$590,000.00	\$700,000.00	\$340,000.00
Forcemain/Lift Station cost in \$	\$275,000.00	\$275,000.00	\$550,000.00
Collection Cost in \$	\$743,400.00	\$882,000.00	\$428,400.00
Subtotal	\$1,608,400.00	\$1,857,000.00	\$1,318,400.00
Contingencies (15%)	\$241,260.00	\$278,550.00	\$197,760.00
Subtotal	\$1,849,660.00	\$2,135,550.00	\$1,516,160.00
Professional Services (20%)	\$369,932.00	\$427,110.00	\$303,232.00
Subtotal	\$2,219,592.00	\$2,562,660.00	\$1,819,392.00
Total Capital Cost	\$2,219,592.00	\$2,562,660.00	\$1,819,392.00
Capital Cost/Lot	\$18,810.10	\$18,304.71	\$26,755.76
Annual Payment in \$	\$110,810.01	\$127,937.19	\$90,830.59
Electricity Cost for operating LS in \$/	\$563.68	\$668.77	\$324.83
O & M Cost in \$	\$43,070.00	\$51,100.00	\$24,820.00
Monthly Payment/ Lot at full development	\$109.07	\$106.97	\$142.13

Option 1 - Convey WW to Port O'Connor MUD WWTP/ Seadrift WWTP

	Harbor Mist	Bindewald	Fisher	Swan Point Landing	Falcon Point	Seaport Lakes	Lane Road	Costa Grande	Powderhorn
Lots	112.5	150	150	44.5	804	28	187.5	3250	250
Flow (MGD)	0.03	0.04	0.04	0.01	0.20	0.01	0.05	0.81	0.06
Collection Cost in \$	\$708,750.00	\$945,000.00	\$945,000.00	\$280,350.00	\$5,065,200.00	\$176,400.00	\$1,181,250.00	\$20,475,000.00	\$1,575,000.00
Lift Station/Forcemain Cost in \$	\$362,500.00	\$342,500.00	\$407,500.00	\$565,000.00	\$390,000.00	\$475,000.00	\$350,000.00	\$250,000.00	\$250,000.00
Subtotal	\$1,071,250.00	\$1,287,500.00	\$1,352,500.00	\$845,350.00	\$5,455,200.00	\$651,400.00	\$1,531,250.00	\$20,725,000.00	\$1,825,000.00
Contingencies (15%)	\$160,687.50	\$193,125.00	\$202,875.00	\$126,802.50	\$818,280.00	\$97,710.00	\$229,687.50	\$3,108,750.00	\$273,750.00
Subtotal	\$1,231,937.50	\$1,480,625.00	\$1,555,375.00	\$972,152.50	\$6,273,480.00	\$749,110.00	\$1,760,937.50	\$23,833,750.00	\$2,098,750.00
Professional Services (20%)	\$246,387.50	\$296,125.00	\$311,075.00	\$194,430.50	\$1,254,696.00	\$149,822.00	\$352,187.50	\$4,766,750.00	\$419,750.00
Subtotal	\$1,478,325.00	\$1,776,750.00	\$1,866,450.00	\$1,166,583.00	\$7,528,176.00	\$898,932.00	\$2,113,125.00	\$28,600,500.00	\$2,518,500.00
Total Capital Cost	\$1,478,325.00	\$1,776,750.00	\$1,866,450.00	\$1,166,583.00	\$7,528,176.00	\$898,932.00	\$2,113,125.00	\$28,600,500.00	\$2,518,500.00
Capital Cost/Lot	\$13,140.67	\$11,845.00	\$12,443.00	\$26,215.35	\$9,363.40	\$32,104.71	\$11,270.00	\$8,800.15	\$10,074.00
Annual Payment in \$	\$117,484.31	\$141,200.51	\$148,329.08	\$92,709.79	\$598,273.42	\$71,439.23	\$167,932.65	\$2,272,916.97	\$200,148.30
Electricity Cost for operating LS in \$/yr	\$537.40	\$716.54	\$716.54	\$212.57	\$3,840.63	\$133.75	\$895.67	\$15,524.95	\$1,194.23
Monthly Payment/ Lot at full development	\$87.42	\$78.84	\$82.80	\$174.01	\$62.41	\$213.01	\$75.03	\$58.68	\$67.11
City Sewer Fee/Lot	\$26.75	\$26.75	\$26.75	\$26.75	\$26.75	\$26.75	\$26.75	\$26.75	\$26.75
Total Monthly Payment per Lot	\$114.17	\$105.59	\$109.55	\$200.76	\$89.16	\$239.76	\$101.78	\$85.43	\$93.86

Option 2 - Each Subdivision gets it's own WWTP

	Harbor Mist	Bindewald	Fisher	Swan Point Landi	Falcon Point	Seaport Lakes	Lane Road	Costa Grande	Powderhorn
Lots	112.5	150	150	44.5	804	28	187.5	3250	250
Plant Capacity (MGD)	0.03	0.04	0.04	0.01	0.20	0.01	0.05	0.81	0.06
Treatment Cost in \$	\$675,000.00	\$862,500.00	\$862,500.00	\$278,125.00	\$2,814,000.00	\$175,000.00	\$1,007,812.50	\$5,687,500.00	\$1,250,000.00
Collection Cost in \$	\$708,750.00	\$945,000.00	\$945,000.00	\$280,350.00	\$5,065,200.00	\$176,400.00	\$1,181,250.00	\$20,475,000.00	\$1,575,000.00
Subtotal	\$1,383,750.00	\$1,807,500.00	\$1,807,500.00	\$558,475.00	\$7,879,200.00	\$351,400.00	\$2,189,062.50	\$26,162,500.00	\$2,825,000.00
Contingencies (15%)	\$207,562.50	\$271,125.00	\$271,125.00	\$83,771.25	\$1,181,880.00	\$52,710.00	\$328,359.38	\$3,924,375.00	\$423,750.00
Subtotal	\$1,591,312.50	\$2,078,625.00	\$2,078,625.00	\$642,246.25	\$9,061,080.00	\$404,110.00	\$2,517,421.88	\$30,086,875.00	\$3,248,750.00
Professional Services (20%)	\$318,262.50	\$415,725.00	\$415,725.00	\$128,449.25	\$1,812,216.00	\$80,822.00	\$503,484.38	\$6,017,375.00	\$649,750.00
Subtotal	\$1,909,575.00	\$2,494,350.00	\$2,494,350.00	\$770,695.50	\$10,873,296.00	\$484,932.00	\$3,020,906.25	\$36,104,250.00	\$3,898,500.00
Total Capital Cost	\$1,909,575.00	\$2,494,350.00	\$2,494,350.00	\$770,695.50	\$10,873,296.00	\$484,932.00	\$3,020,906.25	\$36,104,250.00	\$3,898,500.00
Capital Cost/Lot	\$16,974.00	\$16,629.00	\$16,629.00	\$17,319.00	\$13,524.00	\$17,319.00	\$16,111.50	\$11,109.00	\$15,594.00
Annual Payment in \$	\$151,756.28	\$198,229.07	\$198,229.07	\$61,248.12	\$864,114.23	\$38,538.14	\$240,075.14	\$2,869,249.23	\$309,818.60
O & M Cost in \$	\$92,390.63	\$109,500.00	\$109,500.00	\$58,879.06	\$146,730.00	\$37,047.50	\$119,765.63	\$296,562.50	\$114,062.50
Monthly Payment/ Lot at full development	\$180.85	\$170.96	\$170.96	\$224.96	\$104.77	\$224.96	\$159.93	\$81.17	\$141.29

Option 3 - Regional WWTPs for subdivisions

	Harbor Mist	Bindewald	Fisher	Swan Point Landi	Falcon Point	Seaport Lakes	Lane Road	Costa Grande	Powderhorn
Lots	112.5	150	150	44.5	804	28	187.5	3250	250
Plant Capacity (MGD)	0.03	0.04	0.04	0.01	0.20	0.01	0.05	0.81	0.06
Total Plant Capacity (MGD)	1.24								
Total Treatment Cost in \$	\$8,086,812.50								
Treatment Cost in \$	\$182,812.50	\$243,750.00	\$243,750.00	\$72,312.50	\$1,306,500.00	\$45,500.00	\$304,687.50	\$5,281,250.00	\$406,250.00
Collection Cost in \$	\$708,750.00	\$945,000.00	\$945,000.00	\$280,350.00	\$5,065,200.00	\$176,400.00	\$1,181,250.00	\$20,475,000.00	\$1,575,000.00
Lift Station/Forcemain Cost in \$	\$475,000.00	\$450,000.00	\$515,000.00	\$515,000.00	\$795,000.00	\$350,000.00	\$325,000.00	\$375,000.00	\$1,000,000.00
Subtotal	\$1,366,562.50	\$1,638,750.00	\$1,703,750.00	\$867,662.50	\$7,166,700.00	\$571,900.00	\$1,810,937.50	\$26,131,250.00	\$2,981,250.00
Contingencies (15%)	\$204,984.38	\$245,812.50	\$255,562.50	\$130,149.38	\$1,075,005.00	\$85,785.00	\$271,640.63	\$3,919,687.50	\$447,187.50
Subtotal	\$1,571,546.88	\$1,884,562.50	\$1,959,312.50	\$997,811.88	\$8,241,705.00	\$657,685.00	\$2,082,578.13	\$30,050,937.50	\$3,428,437.50
Professional Services (20%)	\$314,309.38	\$376,912.50	\$391,862.50	\$199,562.38	\$1,648,341.00	\$131,537.00	\$416,515.63	\$6,010,187.50	\$685,687.50
Subtotal	\$1,885,856.25	\$2,261,475.00	\$2,351,175.00	\$1,197,374.25	\$9,890,046.00	\$789,222.00	\$2,499,093.75	\$36,061,125.00	\$4,114,125.00
Total Capital Cost	\$1,885,856.25	\$2,261,475.00	\$2,351,175.00	\$1,197,374.25	\$9,890,046.00	\$789,222.00	\$2,499,093.75	\$36,061,125.00	\$4,114,125.00
Capital Cost/Lot	\$16,763.17	\$15,076.50	\$15,674.50	\$26,907.29	\$12,301.05	\$28,186.50	\$13,328.50	\$11,095.73	\$16,456.50
Annual Payment in \$	\$149,871.32	\$179,722.20	\$186,850.77	\$95,156.81	\$785,974.14	\$62,720.44	\$198,606.06	\$2,865,822.03	\$326,954.58
Electricity Cost for operating LS in \$/yr	\$537.40	\$716.54	\$716.54	\$212.57	\$3,840.63	\$133.75	\$895.67	\$15,524.95	\$1,194.23
O & M Cost in \$	\$10,265.63	\$13,687.50	\$13,687.50	\$4,060.63	\$73,365.00	\$2,555.00	\$17,109.38	\$296,562.50	\$22,812.50
Monthly Payment/ Lot at full development	\$119.02	\$107.85	\$111.81	\$186.20	\$89.47	\$194.67	\$96.27	\$81.48	\$116.99

Option 4 - Some Subdivisions go to City of Seadrift

	Harbor Mist	Bindewald	Fisher	Swan Point Landing	Falcon Point
Lots	112.5	150	150	44.5	804
Plant Capacity (MGD)	0.03	0.04	0.04	0.01	0.20
Collection Cost in \$	\$708,750.00	\$945,000.00	\$945,000.00	\$280,350.00	\$5,065,200.00
Lift Station/Forcemain Cost in \$	\$362,500.00	\$342,500.00	\$407,500.00	\$565,000.00	\$390,000.00
Subtotal	\$1,071,250.00	\$1,287,500.00	\$1,352,500.00	\$845,350.00	\$5,455,200.00
Contingencies (15%)	\$160,687.50	\$193,125.00	\$202,875.00	\$126,802.50	\$818,280.00
Subtotal	\$1,231,937.50	\$1,480,625.00	\$1,555,375.00	\$972,152.50	\$6,273,480.00
Professional Services (20%)	\$246,387.50	\$296,125.00	\$311,075.00	\$194,430.50	\$1,254,696.00
Subtotal	\$1,478,325.00	\$1,776,750.00	\$1,866,450.00	\$1,166,583.00	\$7,528,176.00
Total Capital Cost	\$1,478,325.00	\$1,776,750.00	\$1,866,450.00	\$1,166,583.00	\$7,528,176.00
Capital Cost/Lot	\$13,140.67	\$11,845.00	\$12,443.00	\$26,215.35	\$9,363.40
Annual Payment in \$	\$117,484.31	\$141,200.51	\$148,329.08	\$92,709.79	\$598,273.42
Electricity Cost for operating LS in \$/yr	\$537.40	\$716.54	\$716.54	\$212.57	\$3,840.63
Monthly Payment/ Lot at full development	\$87.42	\$78.84	\$82.80	\$174.01	\$119.33
City Sewer Fee/Lot	\$26.75	\$26.75	\$26.75	\$26.75	\$26.75
Total Monthly Payment per Lot	\$114.17	\$105.59	\$109.55	\$200.76	\$146.08

Regional Plant for the Rest

	Seaport Lakes	Lane Road	Costa Grande	Powderhorn
Lots	28	187.5	3250	250
Plant Capacity (MGD)	0.01	0.05	0.81	0.06
Total Plant Capacity (MGD)	0.93			
Total Treatment Cost in \$	\$6,037,687.50			
Treatment Cost in \$	\$45,500.00	\$304,687.50	\$5,281,250.00	\$406,250.00
Collection Cost in \$	\$176,400.00	\$1,181,250.00	\$20,475,000.00	\$1,575,000.00
Lift Station/Forcemain Cost in \$	\$350,000.00	\$325,000.00	\$375,000.00	\$1,000,000.00
Subtotal	\$571,900.00	\$1,810,937.50	\$26,131,250.00	\$2,981,250.00
Contingencies (15%)	\$85,785.00	\$271,640.63	\$3,919,687.50	\$447,187.50
Subtotal	\$657,685.00	\$2,082,578.13	\$30,050,937.50	\$3,428,437.50
Professional Services (20%)	\$131,537.00	\$416,515.63	\$6,010,187.50	\$685,687.50
Subtotal	\$789,222.00	\$2,499,093.75	\$36,061,125.00	\$4,114,125.00
Total Capital Cost	\$789,222.00	\$2,499,093.75	\$36,061,125.00	\$4,114,125.00
Capital Cost/Lot	\$28,186.50	\$13,328.50	\$11,095.73	\$16,456.50
Annual Payment in \$	\$62,720.44	\$198,606.06	\$2,865,822.03	\$326,954.58
Electricity Cost for operating LS in \$/yr	\$133.75	\$895.67	\$15,524.95	\$1,194.23
O & M Cost in \$	\$5,110.00	\$34,218.75	\$593,125.00	\$45,625.00
Monthly Payment/ Lot at full development	\$202.27	\$103.88	\$89.09	\$124.59

Option 1 - Convey WW to S. Calhoun WCID #1 WWTP

	Indianola	Alamo Beach	Bay Point
Lots	133	85	100
Flow (MGD)	0.03	0.02	0.03
Collection System \$	\$837,900.00	\$535,500.00	\$630,000.00
Force Main (4")	\$750,000.00	\$187,500.00	\$187,500.00
Lift Station (<0.50 MGD)	\$250,000.00	\$250,000.00	\$250,000.00
Subtotal	\$1,837,900.00	\$973,000.00	\$1,067,500.00
Contingencies (15%)	\$275,685.00	\$145,950.00	\$160,125.00
Subtotal	\$2,113,585.00	\$1,118,950.00	\$1,227,625.00
Professional Services (20%)	\$422,717.00	\$223,790.00	\$245,525.00
Subtotal	\$2,536,302.00	\$1,342,740.00	\$1,473,150.00
Total Capital Cost	\$2,536,302.00	\$1,342,740.00	\$1,473,150.00
Capital Cost/Lot	\$19,069.94	\$15,796.94	\$14,731.50
Annual Payment in \$	\$126,621.31	\$67,034.40	\$73,544.94
Electricity Cost for operating LS in \$/yr	\$635.33	\$406.04	\$477.69
Monthly Payment/ Lot at full development	\$79.73	\$66.12	\$61.69
City Sewer Fee Per Lot	\$17.35	\$17.35	\$17.35
Total Monthly Fee	\$97.08	\$83.47	\$79.04

Option 2 - Each Subdivision Gets it's Own WWTP

	Indianola	Alamo Beach	Bay Point
Lots	133	85	100
Plant Capacity (MGD)	0.03	0.02	0.03
Treatment Cost in \$	\$748,125.00	\$510,000.00	\$600,000.00
Collection Cost in \$	\$837,900.00	\$535,500.00	\$630,000.00
Subtotal	\$1,586,025.00	\$1,045,500.00	\$1,230,000.00
Contingencies (15%)	\$237,903.75	\$156,825.00	\$184,500.00
Subtotal	\$1,823,928.75	\$1,202,325.00	\$1,414,500.00
Professional Services (20%)	\$364,785.75	\$240,465.00	\$282,900.00
Subtotal	\$2,188,714.50	\$1,442,790.00	\$1,697,400.00
Total Capital Cost	\$2,188,714.50	\$1,442,790.00	\$1,697,400.00
Capital Cost/Lot	\$16,456.50	\$16,974.00	\$16,974.00
Annual Payment in \$	\$109,268.49	\$72,029.26	\$84,740.31
O & M Cost in \$	\$97,090.00	\$69,806.25	\$82,125.00
Monthly Payment/ Lot at full development	\$129.30	\$139.05	\$139.05

Option 3 - Regionalized WWTP for Subdivisions

	Indianola	Alamo Beach	Bay Point
Lots	133	85	100
Plant Capacity (MGD)	0.03	0.02	0.03
Regional Plant Capacity	0.08		
Treatment Cost in \$	\$1,590,000.00		
Treatment Cost in \$/Subdivision	\$665,000.00	\$425,000.00	\$500,000.00
Forcemain/Lift Station cost in \$	\$1,000,000.00	\$437,500.00	\$437,500.00
Collection Cost in \$	\$837,900.00	\$535,500.00	\$630,000.00
Subtotal	\$2,502,900.00	\$1,398,000.00	\$1,567,500.00
Contingencies (15%)	\$375,435.00	\$209,700.00	\$235,125.00
Subtotal	\$2,878,335.00	\$1,607,700.00	\$1,802,625.00
Professional Services (20%)	\$575,667.00	\$321,540.00	\$360,525.00
Subtotal	\$3,454,002.00	\$1,929,240.00	\$2,163,150.00
Total Capital Cost	\$3,454,002.00	\$1,929,240.00	\$2,163,150.00
Capital Cost/Lot	\$25,969.94	\$22,696.94	\$21,631.50
Annual Payment in \$	\$172,436.19	\$96,314.59	\$107,992.22
Electricity Cost for operating LS in \$/yr	\$635.33	\$406.04	\$477.69
O & M Cost in \$	\$60,681.25	\$38,781.25	\$45,625.00
Monthly Payment/ Lot at full development	\$146.46	\$132.84	\$128.41

Reclaimed Water Options - Area 4

	Pump to Formosa/ALCOA	Pump to DOW/ Ineos Nitrile/Seadrift Coke
Pipeline Cost in \$	\$8,368,750.00	\$5,695,000.00
Lift Station Cost in \$	\$450,000.00	\$450,000.00
Subtotal	\$8,818,750.00	\$6,145,000.00
Contingencies (15%)	\$1,322,812.50	\$921,750.00
Subtotal	\$10,141,562.50	\$7,066,750.00
Professional Services (20%)	\$2,028,312.50	\$1,413,350.00
Subtotal	\$12,169,875.00	\$8,480,100.00
Total Capital Cost in \$	\$12,170,000.00	\$8,481,000.00
Annual Payment in \$	\$967,164.89	\$673,995.52
Annual Electrical Cost \$	\$17,200.00	\$34,250.00
Total Annual Cost \$	\$984,364.89	\$708,245.52
Annual Cost per Acre foot \$	\$878.90	\$632.36

