

ATTACHMENT A: SANDERS BEACH PARK REGIONAL STORMWATER POND EXHIBITS

Location Map

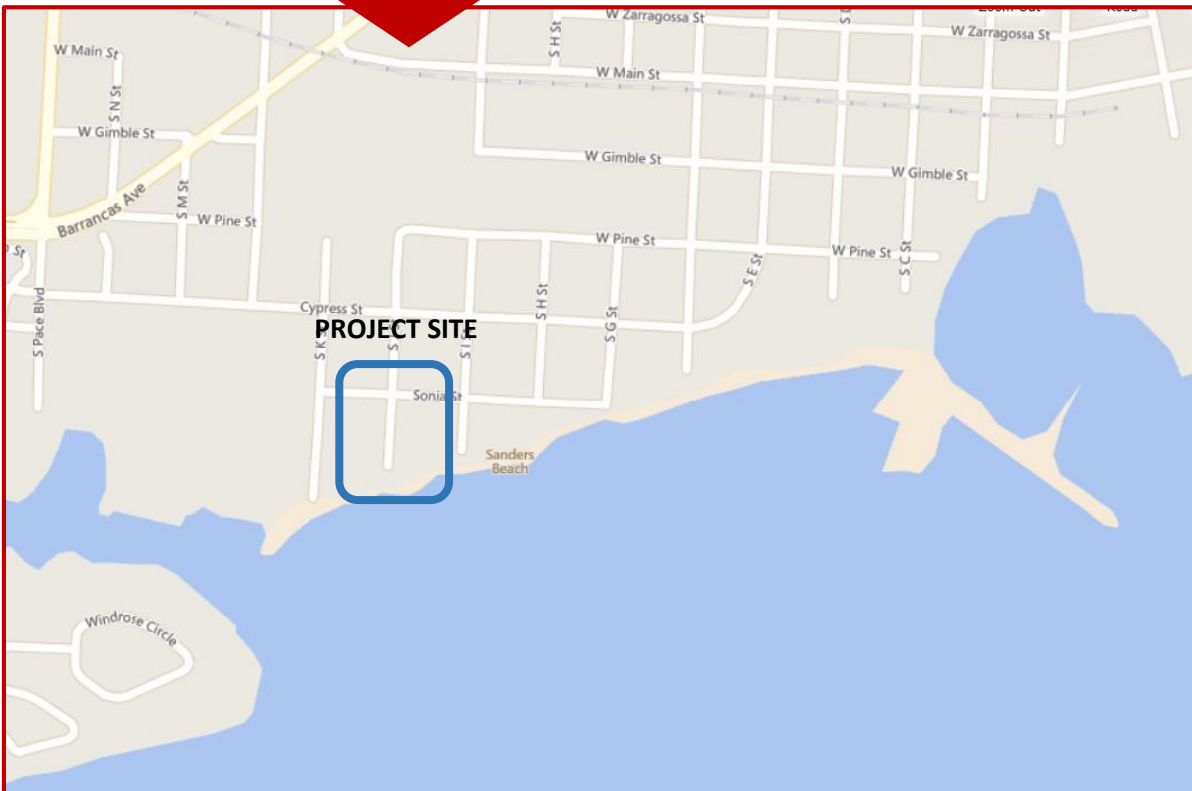
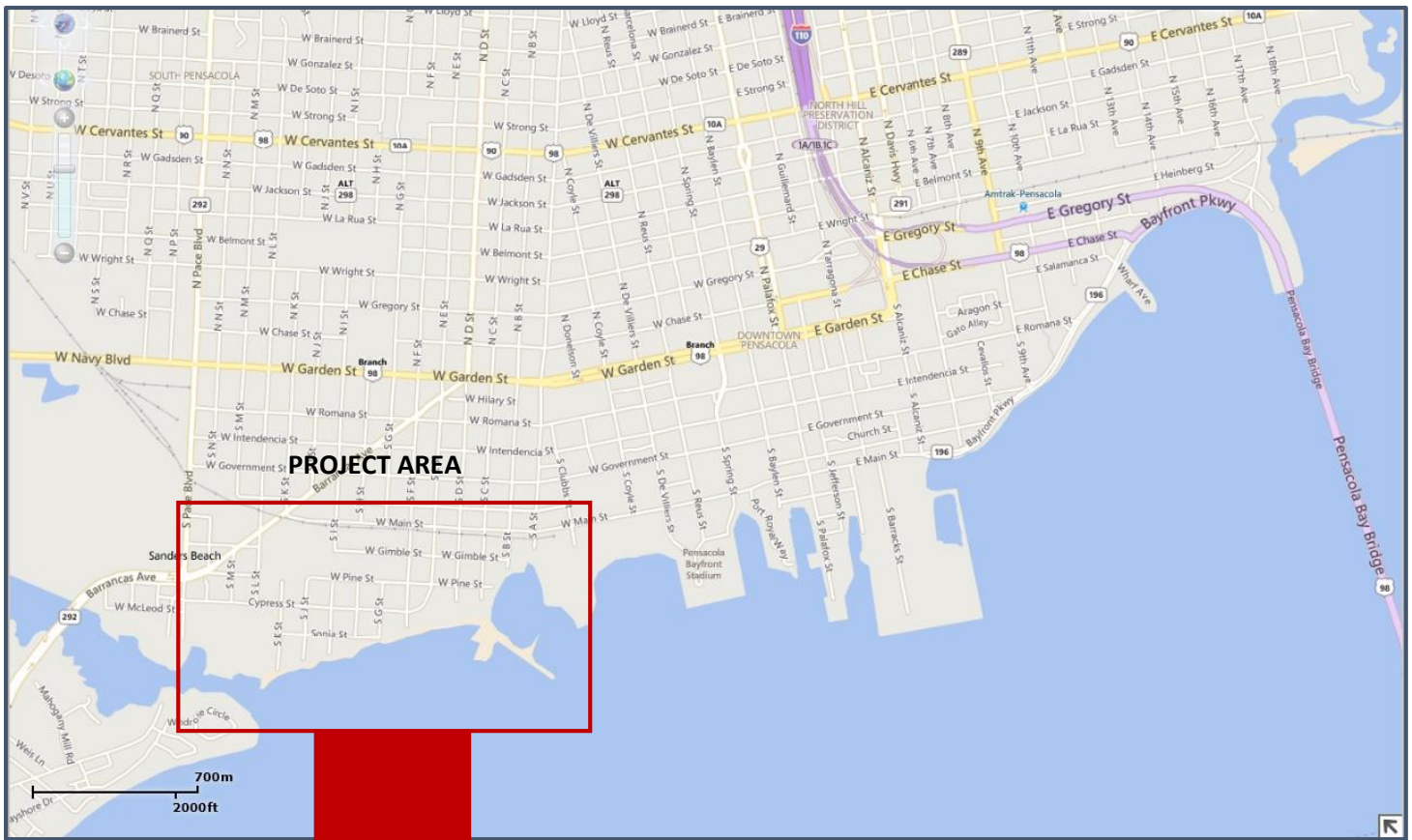


Figure 1-1



Figure 1-2

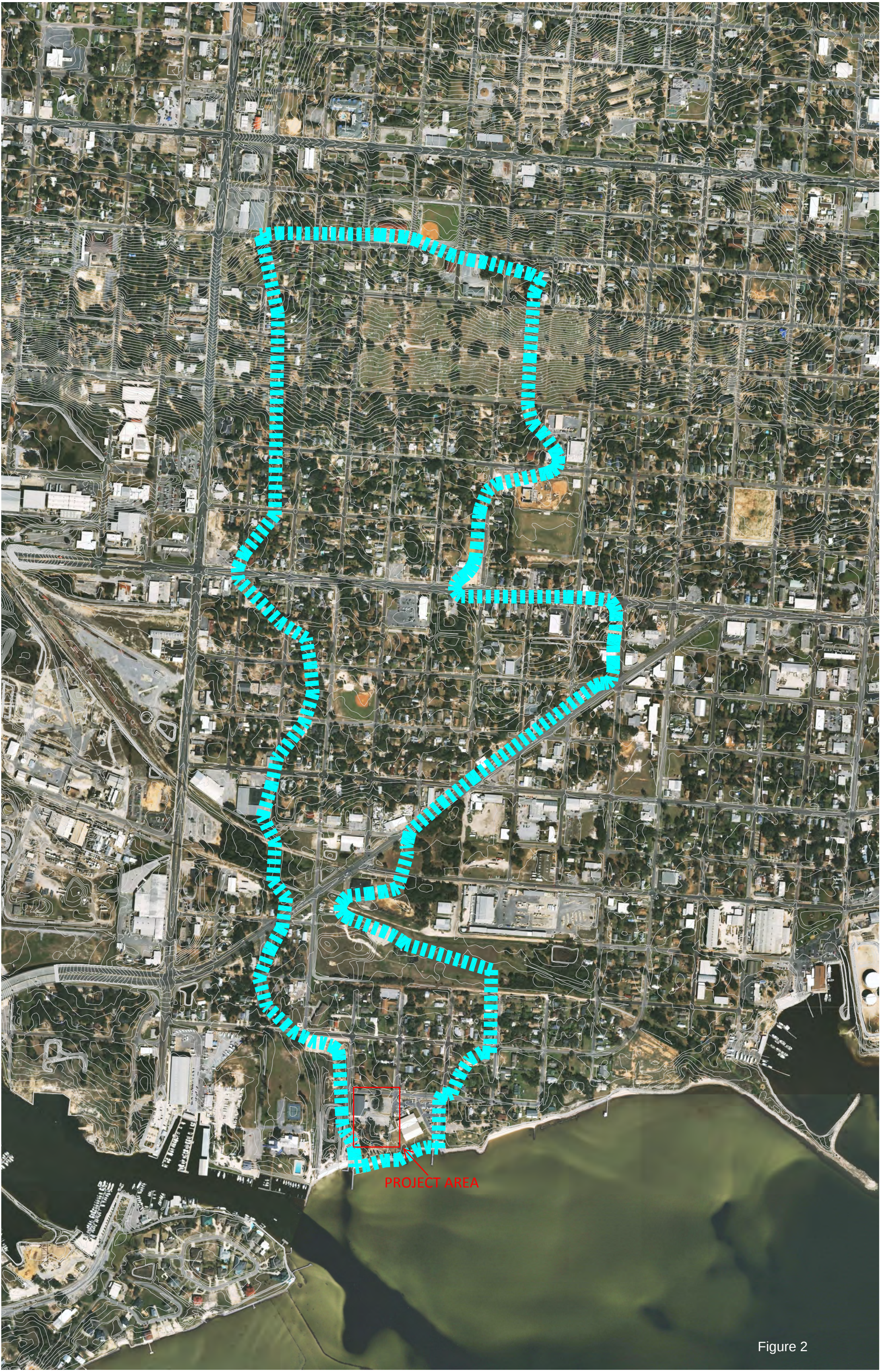


Figure 2

Sanders Beach Park Stormwater Treatment Facility Project Site Photos

Zelica Grotto Hall and parking lot, viewed from the northeast corner of the lot. Purchased by the City of Pensacola, the building will be demolished and parking lot removed from the 1.49-acre site, removing 1.3 acres of impervious materials from the site.



Zelica Grotto Hall parking lot, viewed from north of the lot. Note the large oaks in the center of the lot.

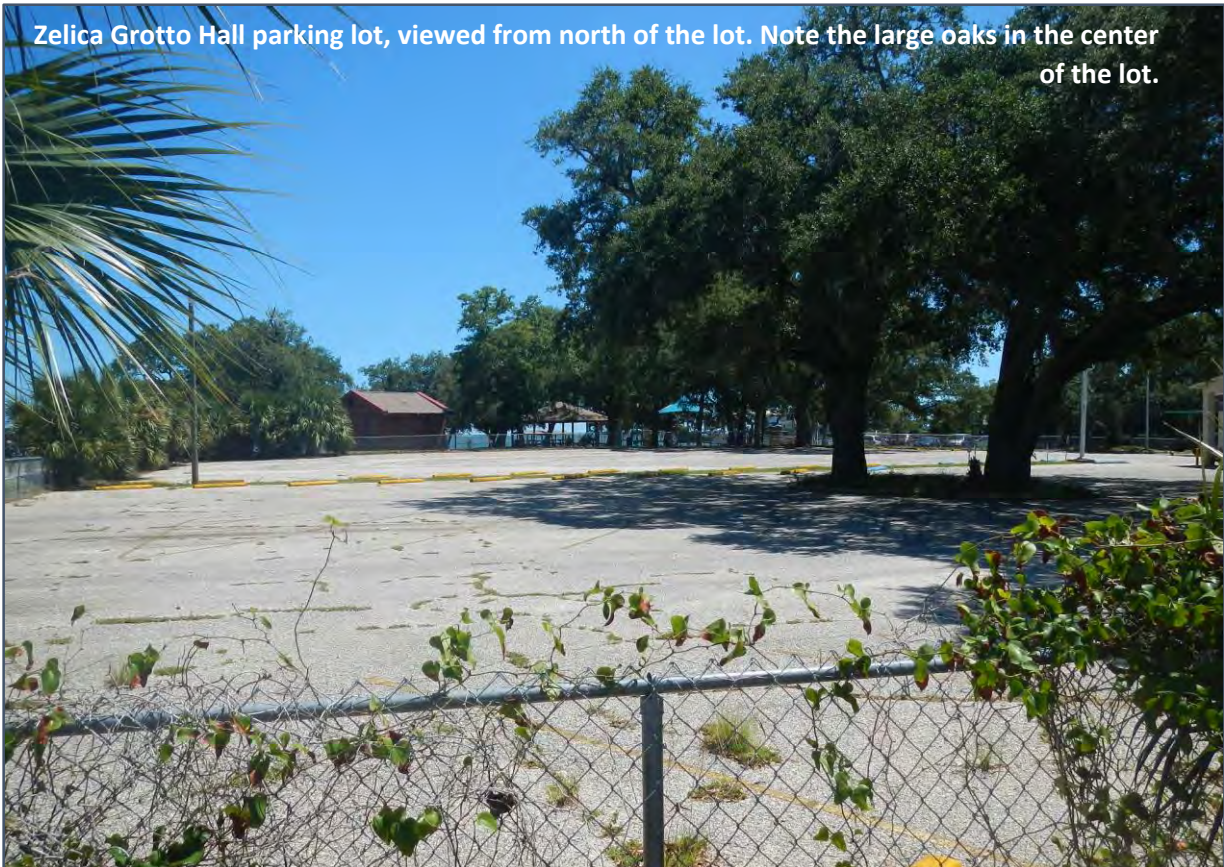


Figure 3-1



Figure 3-2



Figure 3-3



Figure 3-4



Figure 3-5

Looking west over a portion of the proposed pond site. Note the contamination monitoring wells in the upper left of the image.



Monitoring wells at the Corinne Jones Community Center.



Figure 3-6

View of the project site from the adjacent pier at the Corinne Jones Community Center at Sanders Beach.



Pipe outfall just east of the Corinne Jones Community Center at Sanders Beach. There is no stormwater treatment at the site. All stormwater flows directly into Pensacola Bay.

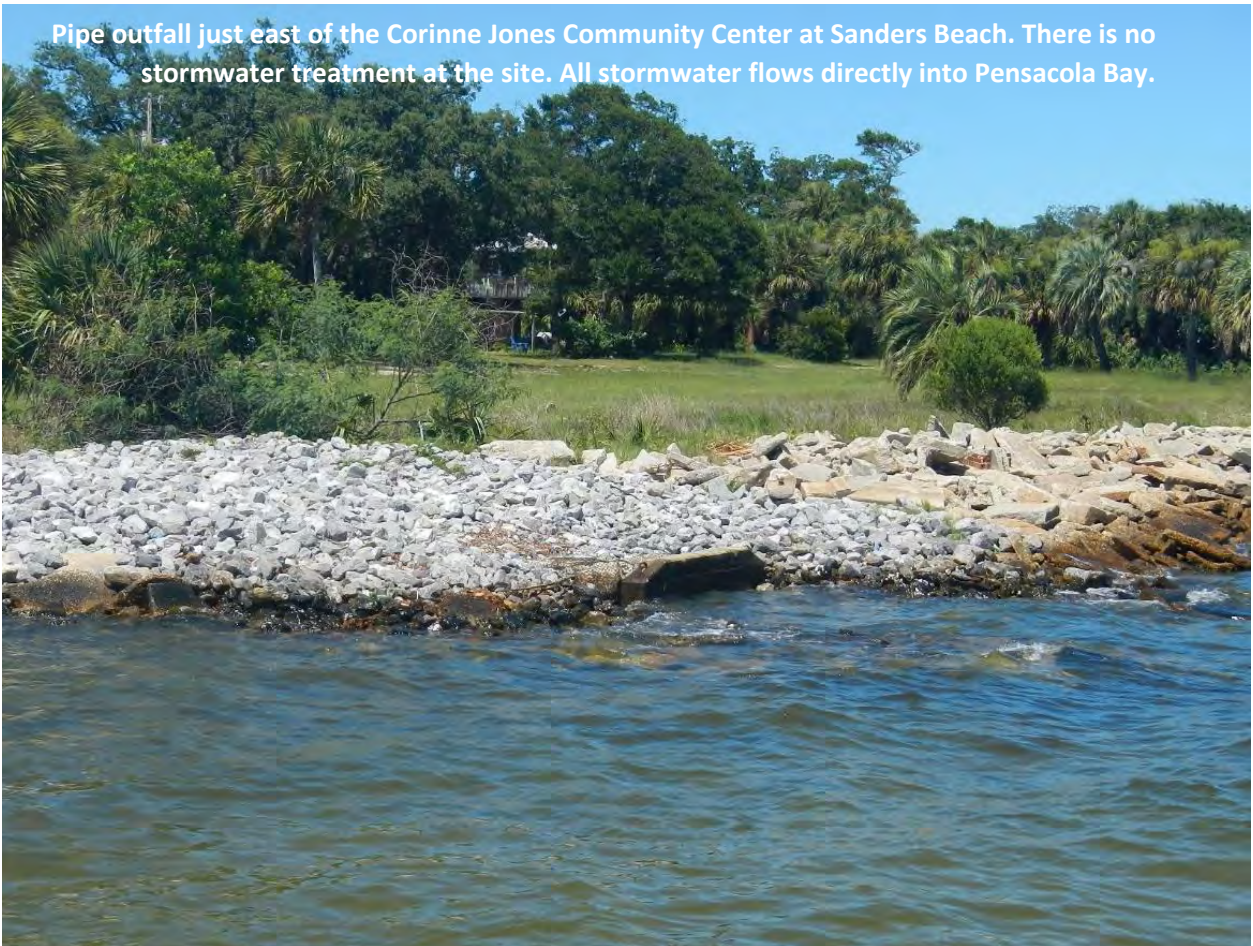


Figure 3-7

Sanders Beach Park Regional Stormwater Treatment Facility Concepts

Concept 1



Figure 4-1

Concept 2



Figure 4-2

City of Pensacola
ROUGH ORDER OF MAGNITUDE COST ESTIMATE
SANDERS BEACH PARK REGIONAL STORMWATER TREATMENT FACILITY

11/23/2016

		BID PROPOSAL			
NO.	ITEM	QUANTITY	UNIT	UNIT PRICE	AMOUNT
STORMWATER POND AND CONVEYANCE					
	MOBILIZATION	1.00	LS	\$32,000.00	\$32,000.00
	MAINTENANCE OF TRAFFIC	1.00	LS	\$25,000.00	\$25,000.00
	DEMOLITION/CLEARING AND GRUBBING (BUILDING & PL REMOVA	1.00	LS	\$100,000.00	\$100,000.00
	DEWATERING	1.00	LS	\$45,000.00	\$45,000.00
	EROSION CONTROL	1.00	LS	\$15,000.00	\$15,000.00
	EXCAVATION	18,000.00	CY	\$10.50	\$189,000.00
	EMBANKMENT	6,000.00	CY	\$6.00	\$36,000.00
	EXCAVATIONS AND DISPOSAL OF UNSUITABLE SOILS	3,000.00	CY	\$18.00	\$54,000.00
	18" RCP STORMDRAIN PIPE	180.00	LF	\$56.00	\$10,080.00
	30" RCP STORMDRAIN PIPE	450.00	LF	\$95.00	\$42,750.00
	36" RCP STORMDRAIN PIPE OUTFALL	400.00	LF	\$113.00	\$45,200.00
	ADS PIPE	500.00	LF	\$50.00	\$25,000.00
	6'x10' DIVERSION STRUCTURE	1.00	EA	\$13,000.00	\$13,000.00
	FDOT TYPE D DBI	3.00	EA	\$4,000.00	\$12,000.00
	STORM MANHOLE	2.00	EA	\$5,000.00	\$10,000.00
	MITERED END SECTION	3.00	EA	\$2,300.00	\$6,900.00
	POND LINER	64,000.00	SF	\$1.25	\$80,000.00
	CONSTRUCT HEADWALL AT OUTFALL STRUCTURE	1.00	EA	\$12,000.00	\$12,000.00
	RIP RAP	100.00	TN	\$200.00	\$20,000.00
	UTILITY CONFLICTS AND RELOCATIONS COSTS	1.00	LS	\$40,000.00	\$40,000.00
	SHEET PILE WALL	1.00	LS	\$25,000.00	\$25,000.00
Subtotal					\$837,930.00
LANDSCAPING, HARDSCAPE & LIGHTING					
	LANDSCAPE/SITE FURNISHINGS	1.00	LS	\$300,000.00	\$300,000.00
	BERMUDA SOD	8,000.00	SY	\$3.60	\$28,800.00
	SIDEWALK	500.00	SY	\$45.00	\$22,500.00
	IRRIGATION	1.00	LS	\$15,000.00	\$15,000.00
	EDUCATIONAL KIOSKS	1.00	LS	\$16,000.00	\$16,000.00
	TREE PROTECTION	6.00	EA	\$500.00	\$3,000.00
	DECORATIVE LIGHTING	1.00	LS	\$60,000.00	\$60,000.00
Subtotal					\$445,300.00
BOAT RAMP IMPROVEMENTS, BAYSIDE WALL AND ASSOCIATED PARKING ENHANCEMENTS					
	PERMEABLE PAVEMENT (CONCRETE OR PAVERS)	5,750.00	SF	\$20.00	\$115,000.00
	12" STABILIZATION	556.00	SY	\$3.00	\$1,668.00
	8" BASE	556.00	SY	\$18.50	\$10,286.00
	TYPE F CURB AND GUTTER	200.00	LF	\$18.00	\$3,600.00
	STRIPING	1.00	LS	\$1,500.00	\$1,500.00
	BIO-SWALE OR RAIN GARDEN	2,000.00	SF	\$4.00	\$8,000.00
	BAYSIDE WALL	1.00	LS	\$50,000.00	\$50,000.00
	BOAT RAMP IMPROVEMENTS	1.00	LS	\$250,000.00	\$250,000.00
Subtotal					\$440,054.00
	ESTIMATED CONSTRUCTION COST				\$1,723,284.00
	R/W PURCHASE - GROTTO HALL				\$1,330,000.00
	ENGINEERING			12%	\$206,794.08
	SURVEYING AND DATA COLLECTION			1.5%	\$25,849.26
	CONSTRUCTION ENGINEERING AND INSPECTION			5.0%	\$86,164.20
	MONITORING			2.00%	\$34,465.68
Subtotal					\$3,406,557.22
10% Contingency				10.00%	\$340,655.72
Total Project Costs					\$3,747,212.94

Figure 5