

**SANITARY SEWER COLLECTION SYSTEM MASTER PLAN
FINAL REPORT
BOARD OF WATER AND SEWER COMMISSIONERS OF THE CITY OF SARALAND
PROJECT No. 1074304
JUNE 2022**



APPENDIX F

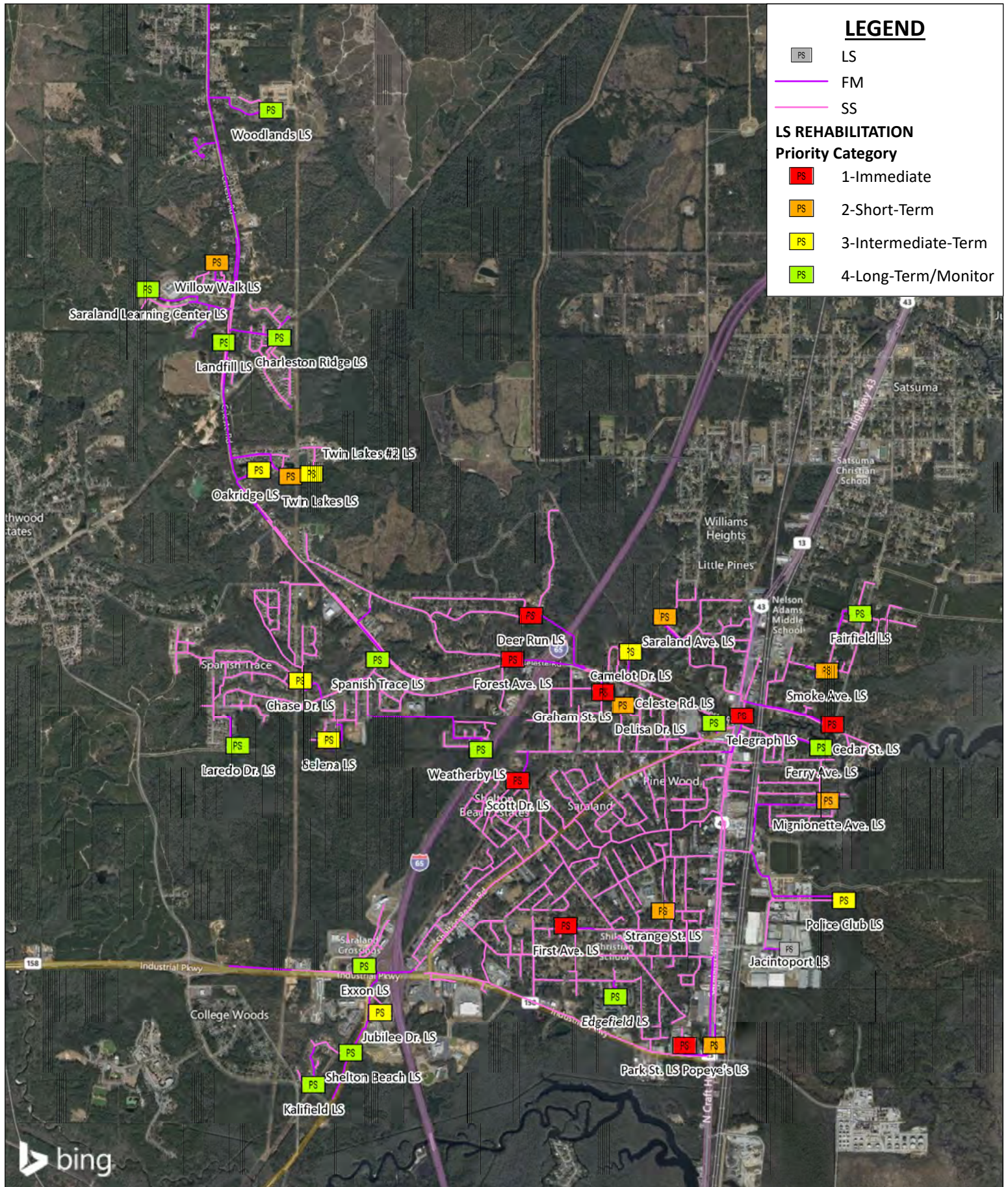
MASTER PLAN LIFT STATION PROJECTS

By: Volkert, Inc.

Dated: June 2022



PRIORITY CATEGORY OVERVIEW



LEGEND

PS LS

FM

SS

LS REHABILITATION

Priority Category

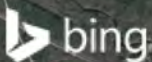
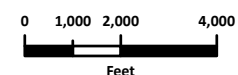
PS 1-Immediate

PS 2-Short-Term

PS 3-Intermediate-Term

PS 4-Long-Term/Monitor

**SARALAND WATER AND SEWER SERVICE
Sanitary Sewer Collection System Master Plan
Lift Station
Priority Category Overview**

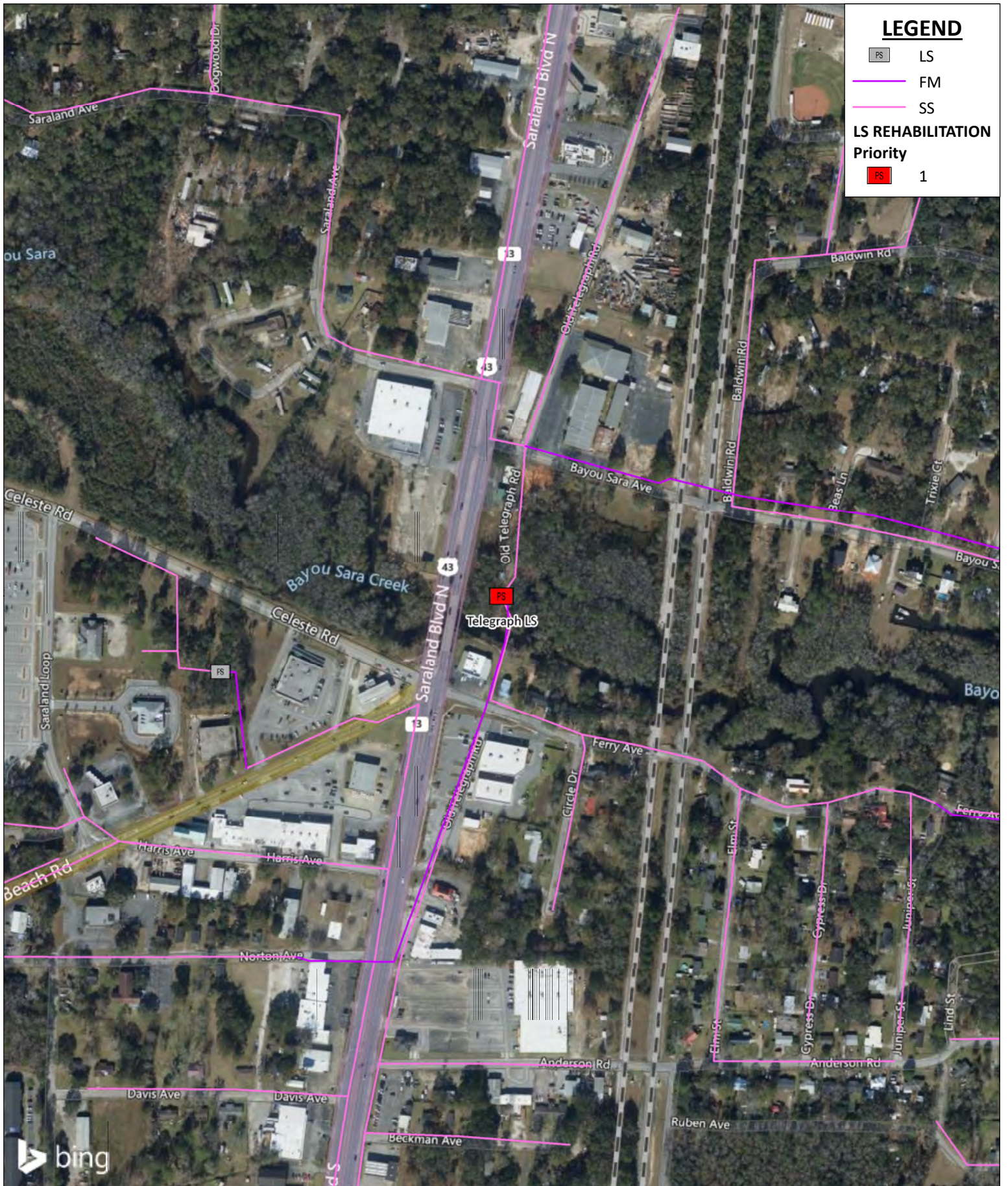


SARALAND WATER AND SEWER SERVICE
Sanitary Sewer Collection System Master Plan
Lift Stations
Preliminary Cost Summaries

LIFT STATIONS COST SUMMARIES					
Priority	Lift Station	Engineering	Construction	CEI	Total Project Cost
1	Telegraph LS	\$ 53,000	\$ 402,000	\$ 33,000	\$ 488,000
2	First Ave. LS	\$ 43,000	\$ 324,000	\$ 26,000	\$ 393,000
3	Cedar St. LS	\$ 47,000	\$ 361,000	\$ 29,000	\$ 437,000
4	Park St. LS	\$ 63,000	\$ 478,000	\$ 39,000	\$ 580,000
5	Graham St. LS	\$ 32,000	\$ 245,000	\$ 20,000	\$ 297,000
6	Forest Ave. LS	\$ 33,000	\$ 251,000	\$ 21,000	\$ 305,000
7	Deer Run Dr. LS	\$ 61,000	\$ 462,000	\$ 37,000	\$ 560,000
8	Scott Dr. LS	\$ 42,000	\$ 323,000	\$ 26,000	\$ 391,000
IMMEDIATE TOTALS:		\$ 374,000	\$ 2,846,000	\$ 231,000	\$ 3,451,000
9	DeLisa LS	\$ 38,000	\$ 288,000	\$ 24,000	\$ 350,000
10	Mignonette LS	\$ 44,000	\$ 331,000	\$ 27,000	\$ 402,000
11	Strange St. LS	\$ 36,000	\$ 271,000	\$ 22,000	\$ 329,000
12	Twin Lakes LS	\$ 38,000	\$ 287,000	\$ 23,000	\$ 348,000
13	Willow Walk LS	\$ 36,000	\$ 275,000	\$ 22,000	\$ 333,000
14	Saraland Ave. LS	\$ 39,000	\$ 299,000	\$ 24,000	\$ 362,000
15	Smoke Ave. LS	\$ 37,000	\$ 280,000	\$ 23,000	\$ 340,000
16	Popeye's LS	\$ 34,000	\$ 256,000	\$ 21,000	\$ 311,000
SHORT-TERM TOTALS:		\$ 302,000	\$ 2,287,000	\$ 186,000	\$ 2,775,000
17	Camelot Dr. LS	\$ 39,000	\$ 296,000	\$ 24,000	\$ 359,000
18	Selena LS	\$ 55,000	\$ 420,000	\$ 34,000	\$ 509,000
19	Jubilee Dr. LS	\$ 38,000	\$ 292,000	\$ 24,000	\$ 354,000
20	Chase Dr. LS	\$ 49,000	\$ 370,000	\$ 30,000	\$ 449,000
21	Police Club LS	\$ 41,000	\$ 313,000	\$ 26,000	\$ 380,000
22	Oakridge LS	\$ 33,000	\$ 249,000	\$ 20,000	\$ 302,000
23	Twin Lakes #2 LS	\$ 35,000	\$ 269,000	\$ 22,000	\$ 326,000
INTERMEDIATE-TERM TOTALS:		\$ 290,000	\$ 2,209,000	\$ 180,000	\$ 2,679,000
24	Weatherby LS	\$ 39,000	\$ 299,000	\$ 24,000	\$ 362,000
25	Spanish Trace LS	\$ 47,000	\$ 358,000	\$ 29,000	\$ 434,000
26	Fairfield LS	\$ 42,000	\$ 323,000	\$ 26,000	\$ 391,000
27	Exxon LS	\$ 45,000	\$ 341,000	\$ 28,000	\$ 414,000
28	Laredo Dr. LS	\$ 38,000	\$ 286,000	\$ 23,000	\$ 347,000
29	Charleston Ridge LS	\$ 45,000	\$ 343,000	\$ 28,000	\$ 416,000
30	Celeste Rd. LS	\$ 31,000	\$ 236,000	\$ 19,000	\$ 286,000
31	Landfill LS	\$ 32,000	\$ 244,000	\$ 20,000	\$ 296,000
32	Ferry Ave.	\$ 43,000	\$ 327,000	\$ 27,000	\$ 397,000
33	Shelton Beach LS	\$ 39,000	\$ 298,000	\$ 24,000	\$ 361,000
34	Saraland Learning Center LS	\$ 34,000	\$ 260,000	\$ 21,000	\$ 315,000
35	Kalifield LS	\$ 44,000	\$ 335,000	\$ 27,000	\$ 406,000
36	Edgefield LS	\$ 38,000	\$ 288,000	\$ 24,000	\$ 350,000
37	Woodlands LS	\$ 40,000	\$ 307,000	\$ 25,000	\$ 372,000
LONG-TERM/MONITOR TOTALS:		\$ 557,000	\$ 4,245,000	\$ 345,000	\$ 5,147,000
TOTAL ALL PROJECTS:		\$ 1,523,000	\$ 11,587,000	\$ 942,000	\$ 14,052,000



PRIORITY CATEGORY 1
IMMEDIATE PRIORITY



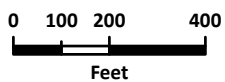
LEGEND

- PS LS
- FM
- SS

LS REHABILITATION Priority

- 1 1

**SARALAND WATER AND SEWER SERVICE
Sanitary Sewer Collection System Master Plan
Lift Station
Priority Category 1 - Priority 1**



SARALAND WATER AND SEWER SERVICE
Sanitary Sewer Collection System Master Plan
Lift Stations
Preliminary Cost Estimate

TELEGRAPH LIFT STATION PRIORITY CATEGORY 1 - IMMEDIATE PRIORITY 1					
Item No.	Description	Unit	Approx. Quantities	Approx. Unit Price	Est. Cost
G-01	Mobilization and Demobilization (NTE 5% Construction Costs)	LS	1	\$ 18,914.25	\$ 18,914.25
G-02	General Demolition	LS	1	\$ 10,000.00	\$ 10,000.00
G-03	Temporary Bypass Pumping	LS	1	\$ 25,000.00	\$ 25,000.00
M-01	Piping and Valves	LS	1	\$ 20,000.00	\$ 20,000.00
M-02	Submersible Pumps (25 HP) and Controls	EA	2	\$ 45,000.00	\$ 90,000.00
M-03	Locking Access Hatches with Safety Grating and Hold-Open Arms	LS	1	\$ 10,000.00	\$ 10,000.00
S-01	Wet Well Inspection and Repair	SF	844	\$ 20.00	\$ 16,880.00
S-02	Wet Well Lining	SF	844	\$ 67.00	\$ 56,548.00
E-01	Electrical, Instrumentation, and Controls	LS	1	\$ 74,200.00	\$ 74,200.00
SUBTOTAL:					\$ 321,542.25
25% CONTINGENCY:					\$ 80,385.56
*TOTAL OPINION OF PROBABLE CONSTRUCTION COST:					\$ 402,000.00
*ENGINEERING DESIGN (13.0%):					\$ 53,000.00
*CONSTRUCTION PHASE SERVICES (8.0%):					\$ 33,000.00
*TOTAL ESTIMATED PROJECT COST:					\$ 488,000.00

* Cost rounded up to nearest thousand.

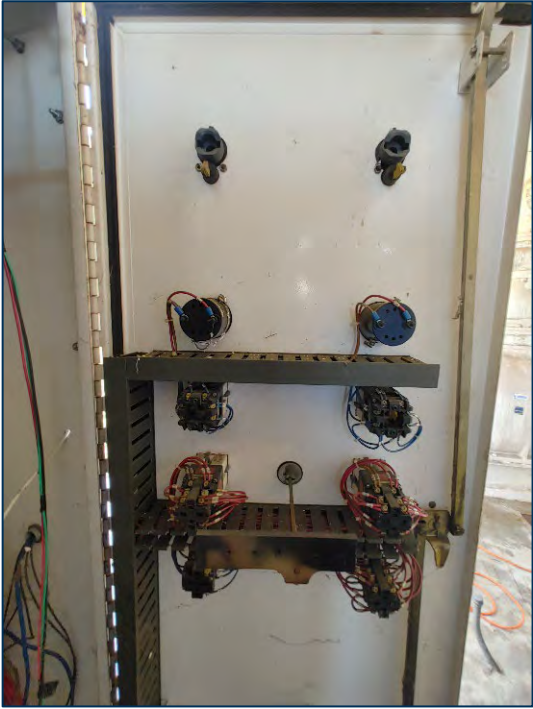


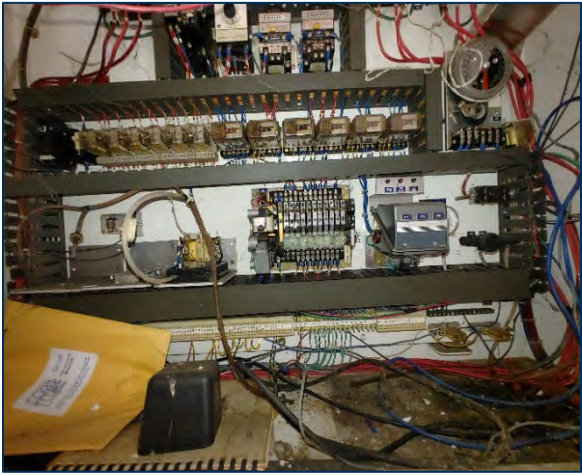
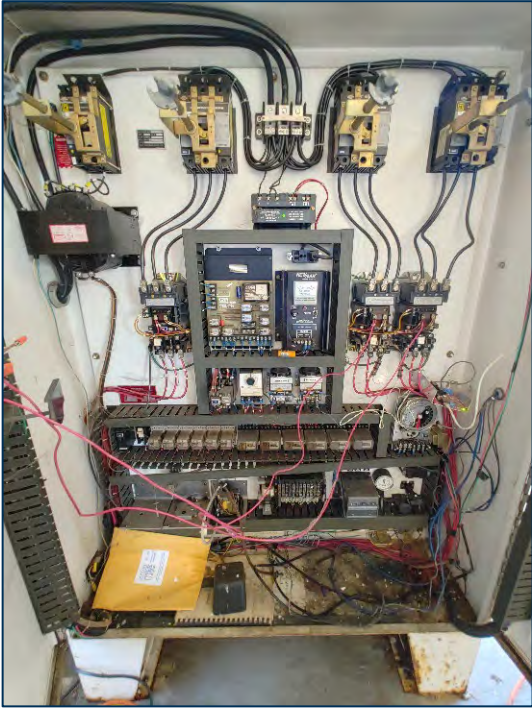
TELEGRAPH LIFT STATION





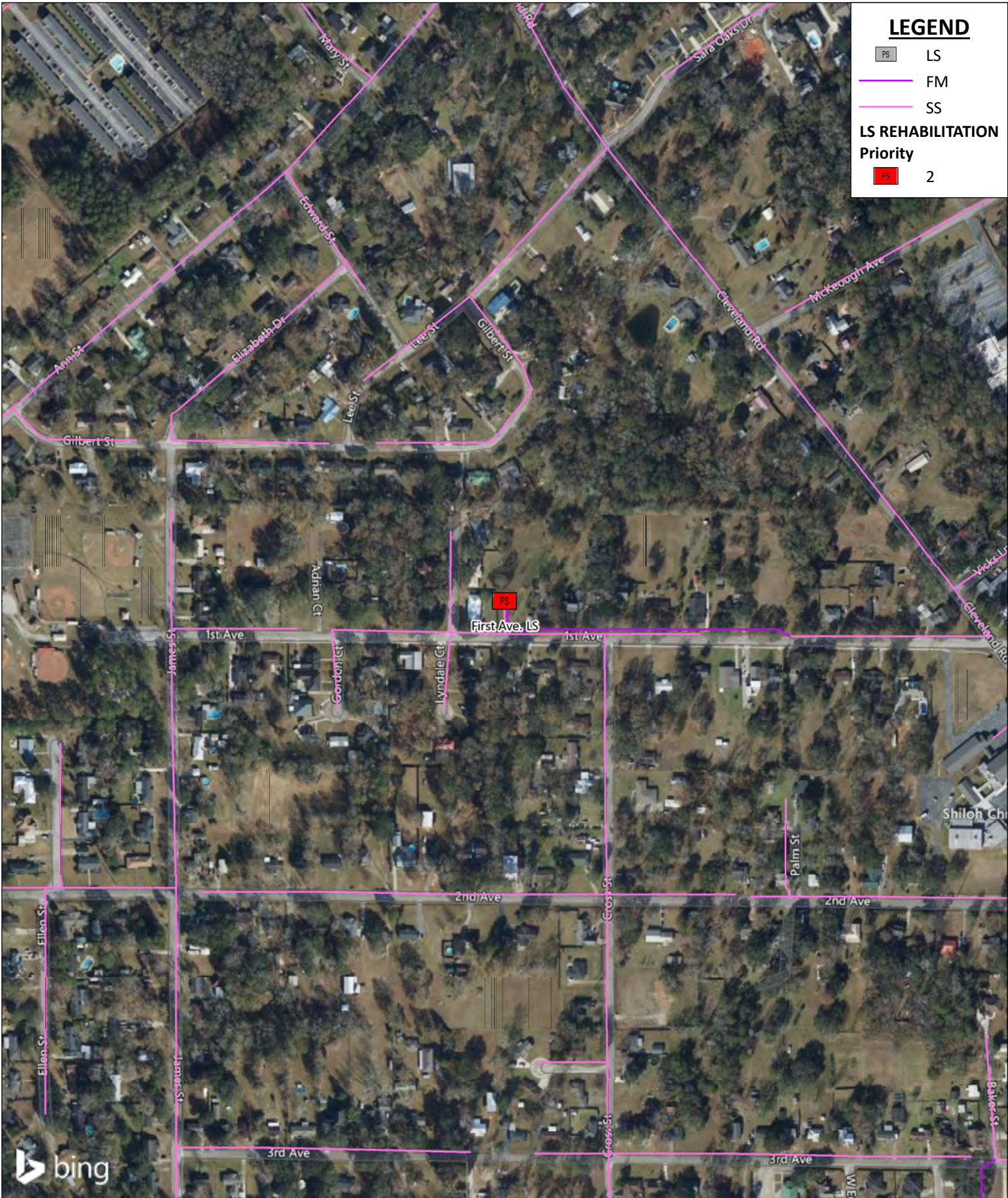










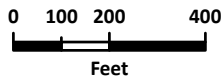
BOARD OF WATER AND SEWER COMMISSIONERS OF THE CITY OF SARALAND
SANITARY SEWER COLLECTION SYSTEM MASTER PLAN
FINAL REPORT
JUNE 2022





LEGEND

	LS
	FM
	SS
LS REHABILITATION	
Priority	
	2



SARALAND WATER AND SEWER SERVICE
Sanitary Sewer Collection System Master Plan
Lift Station
Priority Category 1 - Priority 2



SARALAND WATER AND SEWER SERVICE
Sanitary Sewer Collection System Master Plan
Lift Stations
Preliminary Cost Estimate

FIRST AVE. LIFT STATION					
PRIORITY CATEGORY 1 - IMMEDIATE					
PRIORITY 2					
Item No.	Description	Unit	Approx. Quantities	Approx. Unit Price	Est. Cost
G-01	Mobilization and Demobilization (NTE 5% Construction Costs)	LS	1	\$ 15,236.25	\$ 15,236.25
G-02	General Demolition	LS	1	\$ 10,000.00	\$ 10,000.00
G-03	Temporary Bypass Pumping	LS	1	\$ 25,000.00	\$ 25,000.00
M-01	Piping and Valves	LS	1	\$ 20,000.00	\$ 20,000.00
M-02	Submersible Pumps (3 HP) and Controls	EA	2	\$ 19,500.00	\$ 39,000.00
M-03	Locking Access Hatches with Safety Grating and Hold-Open Arms	LS	1	\$ 10,000.00	\$ 10,000.00
S-01	Wet Well Inspection and Repair	SF	340	\$ 20.00	\$ 6,800.00
S-02	Wet Well Lining	SF	340	\$ 67.00	\$ 22,780.00
E-01	Electrical, Instrumentation, and Controls	LS	1	\$ 110,200.00	\$ 110,200.00
SUBTOTAL:					\$ 259,016.25
25% CONTINGENCY:					\$ 64,754.06
*TOTAL OPINION OF PROBABLE CONSTRUCTION COST:					\$ 324,000.00
*ENGINEERING DESIGN (13.0%):					\$ 43,000.00
*CONSTRUCTION PHASE SERVICES (8.0%):					\$ 26,000.00
*TOTAL ESTIMATED PROJECT COST:					\$ 393,000.00

* Cost rounded up to nearest thousand.

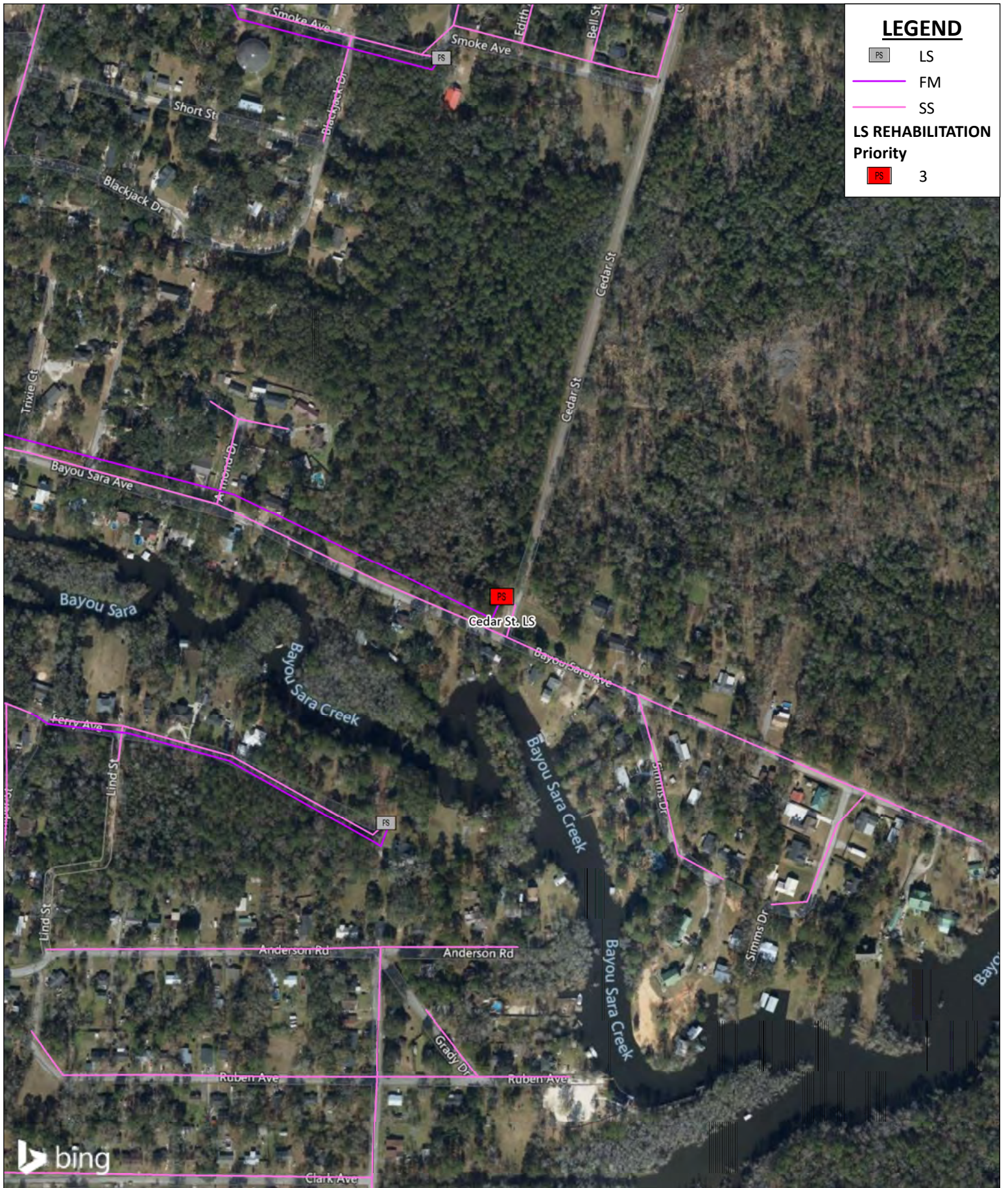


FIRST AVE. LIFT STATION



**BOARD OF WATER AND SEWER COMMISSIONERS OF THE CITY OF SARALAND
SANITARY SEWER COLLECTION SYSTEM MASTER PLAN
FINAL REPORT
JUNE 2022**





LEGEND

PS LS

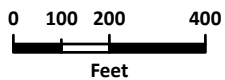
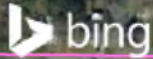
FM

SS

LS REHABILITATION

Priority

PS 3



SARALAND WATER AND SEWER SERVICE
Sanitary Sewer Collection System Master Plan
Lift Station
Priority Category 1 - Priority 3



SARALAND WATER AND SEWER SERVICE
Sanitary Sewer Collection System Master Plan
Lift Stations
Preliminary Cost Estimate

CEDAR ST. LIFT STATION					
PRIORITY CATEGORY 1 - IMMEDIATE					
PRIORITY 3					
Item No.	Description	Unit	Approx. Quantities	Approx. Unit Price	Est. Cost
G-01	Mobilization and Demobilization (NTE 5% Construction Costs)	LS	1	\$ 16,968.19	\$ 16,968.19
G-02	General Demolition	LS	1	\$ 10,000.00	\$ 10,000.00
G-03	Temporary Bypass Pumping	LS	1	\$ 25,000.00	\$ 25,000.00
M-01	Piping and Valves	LS	1	\$ 20,000.00	\$ 20,000.00
M-02	Submersible Pumps (20 HP) and Controls	EA	2	\$ 36,000.00	\$ 72,000.00
M-03	Locking Access Hatches with Safety Grating and Hold-Open Arms	LS	1	\$ 10,000.00	\$ 10,000.00
S-01	Wet Well Inspection and Repair	SF	693	\$ 20.00	\$ 13,860.00
S-02	Wet Well Lining	SF	693	\$ 67.00	\$ 46,431.00
E-01	Electrical, Instrumentation, and Controls	LS	1	\$ 74,200.00	\$ 74,200.00
SUBTOTAL:					\$ 288,459.19
25% CONTINGENCY:					\$ 72,114.80
*TOTAL OPINION OF PROBABLE CONSTRUCTION COST:					\$ 361,000.00
*ENGINEERING DESIGN (13.0%):					\$ 47,000.00
*CONSTRUCTION PHASE SERVICES (8.0%):					\$ 29,000.00
*TOTAL ESTIMATED PROJECT COST:					\$ 437,000.00

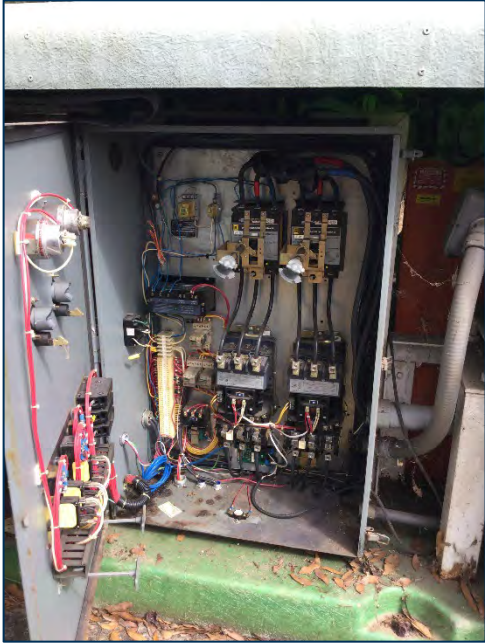
* Cost rounded up to nearest thousand.

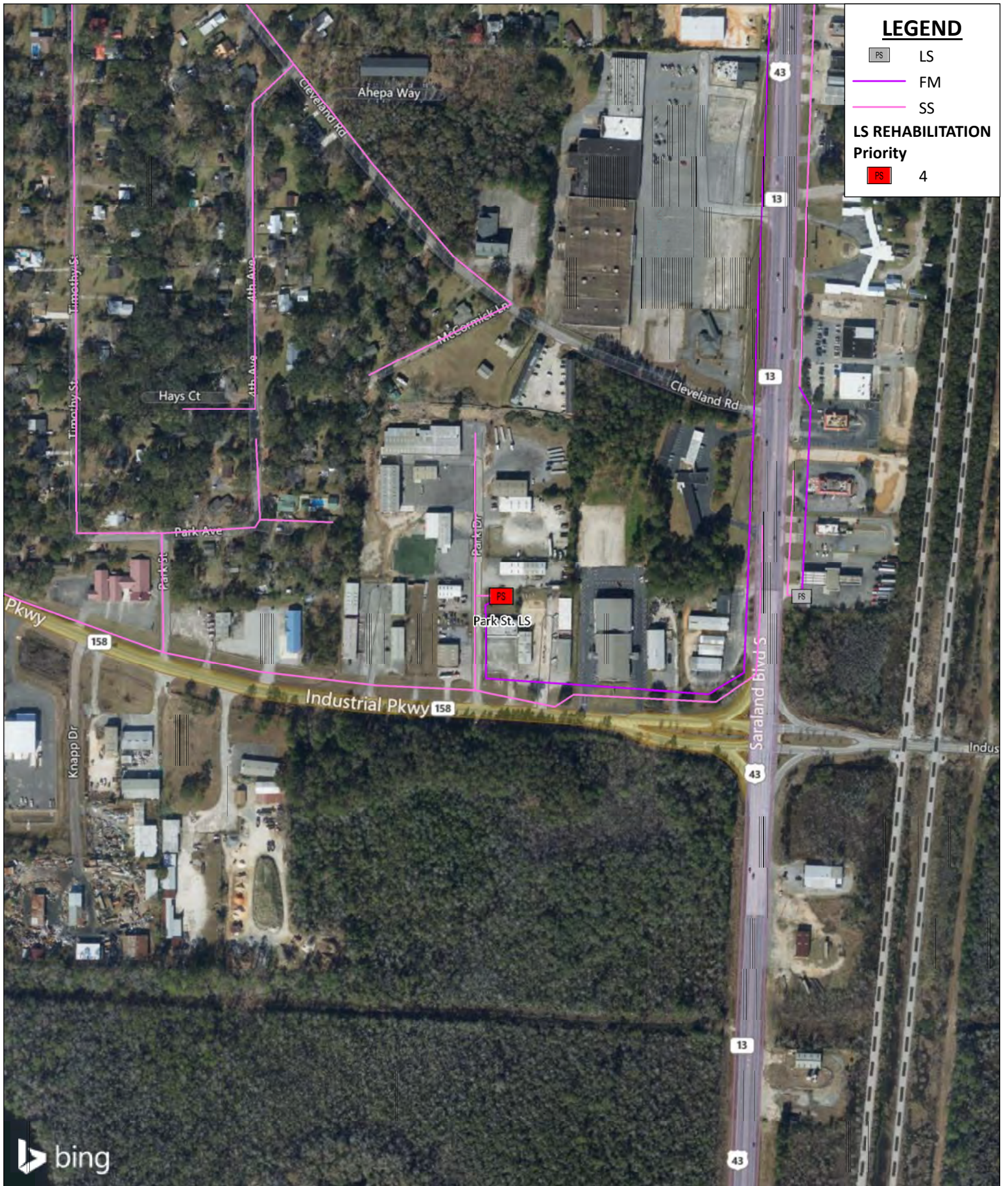


CEDAR ST. LIFT STATION



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SANITARY SEWER COLLECTION SYSTEM MASTER PLAN
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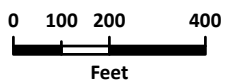
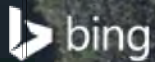


LEGEND

- PS LS
- FM
- SS

LS REHABILITATION Priority

- PS 4



SARALAND WATER AND SEWER SERVICE
Sanitary Sewer Collection System Master Plan
Lift Station
Priority Category 1 - Priority 4



SARALAND WATER AND SEWER SERVICE
Sanitary Sewer Collection System Master Plan
Lift Stations
Preliminary Cost Estimate

PARK ST. LIFT STATION					
PRIORITY CATEGORY 1 - IMMEDIATE					
PRIORITY 4					
Item No.	Description	Unit	Approx. Quantities	Approx. Unit Price	Est. Cost
G-01	Mobilization and Demobilization (NTE 5% Construction Costs)	LS	1	\$ 22,476.75	\$ 22,476.75
G-02	General Demolition	LS	1	\$ 10,000.00	\$ 10,000.00
G-03	Temporary Bypass Pumping	LS	1	\$ 25,000.00	\$ 25,000.00
M-01	Piping and Valves	LS	1	\$ 20,000.00	\$ 20,000.00
M-02	Submersible Pumps (30 HP) and Controls	EA	3	\$ 49,000.00	\$ 147,000.00
M-03	Locking Access Hatches with Safety Grating and Hold-Open Arms	LS	1	\$ 10,000.00	\$ 10,000.00
S-01	Wet Well Inspection and Repair	SF	844	\$ 20.00	\$ 16,880.00
S-02	Wet Well Lining	SF	844	\$ 67.00	\$ 56,548.00
E-01	Electrical, Instrumentation, and Controls	LS	1	\$ 74,200.00	\$ 74,200.00
SUBTOTAL:					\$ 382,104.75
25% CONTINGENCY:					\$ 95,526.19
*TOTAL OPINION OF PROBABLE CONSTRUCTION COST:					\$ 478,000.00
*ENGINEERING DESIGN (13.0%):					\$ 63,000.00
*CONSTRUCTION PHASE SERVICES (8.0%):					\$ 39,000.00
*TOTAL ESTIMATED PROJECT COST:					\$ 580,000.00

* Cost rounded up to nearest thousand.

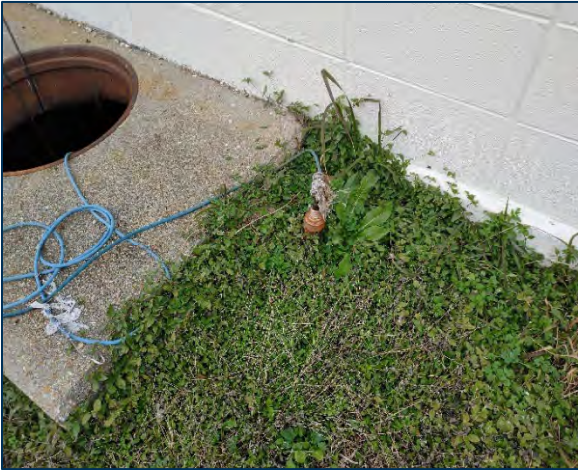


PARK ST. LIFT STATION



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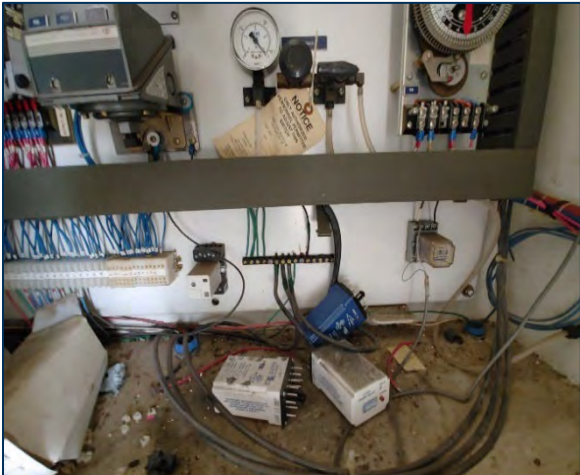
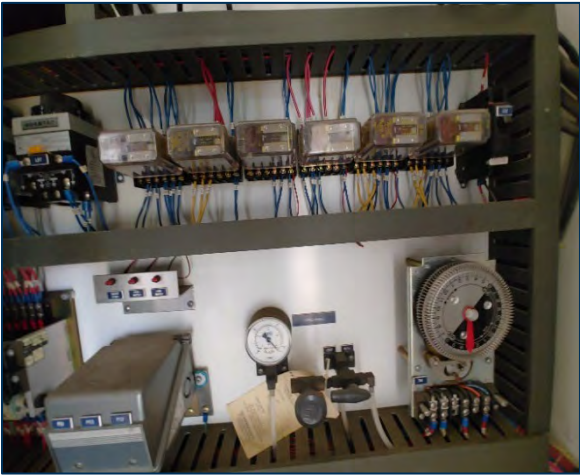




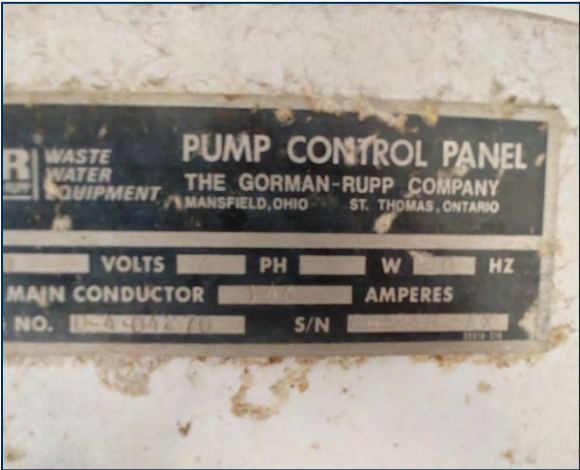
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SANITARY SEWER COLLECTION SYSTEM MASTER PLAN
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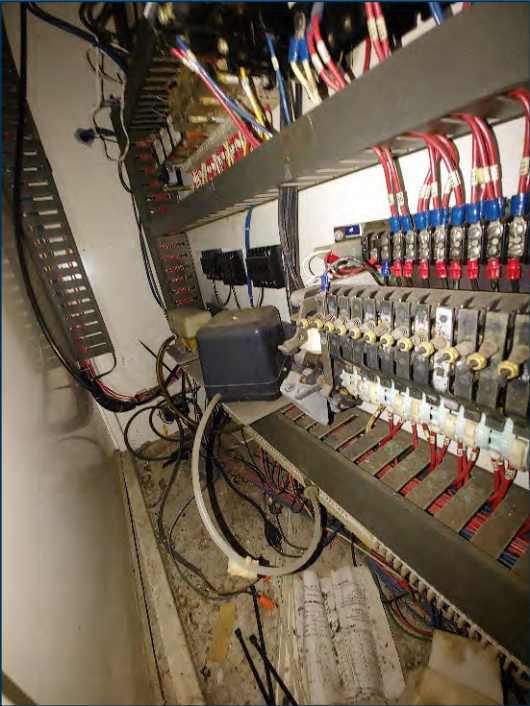






BOARD OF WATER AND SEWER COMMISSIONERS OF THE CITY OF SARALAND
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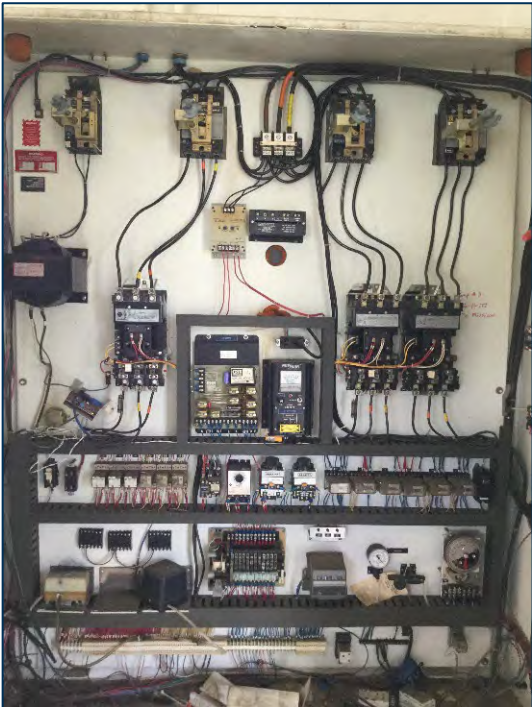
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 SANITARY SEWER COLLECTION SYSTEM MASTER PLAN
 FINAL REPORT
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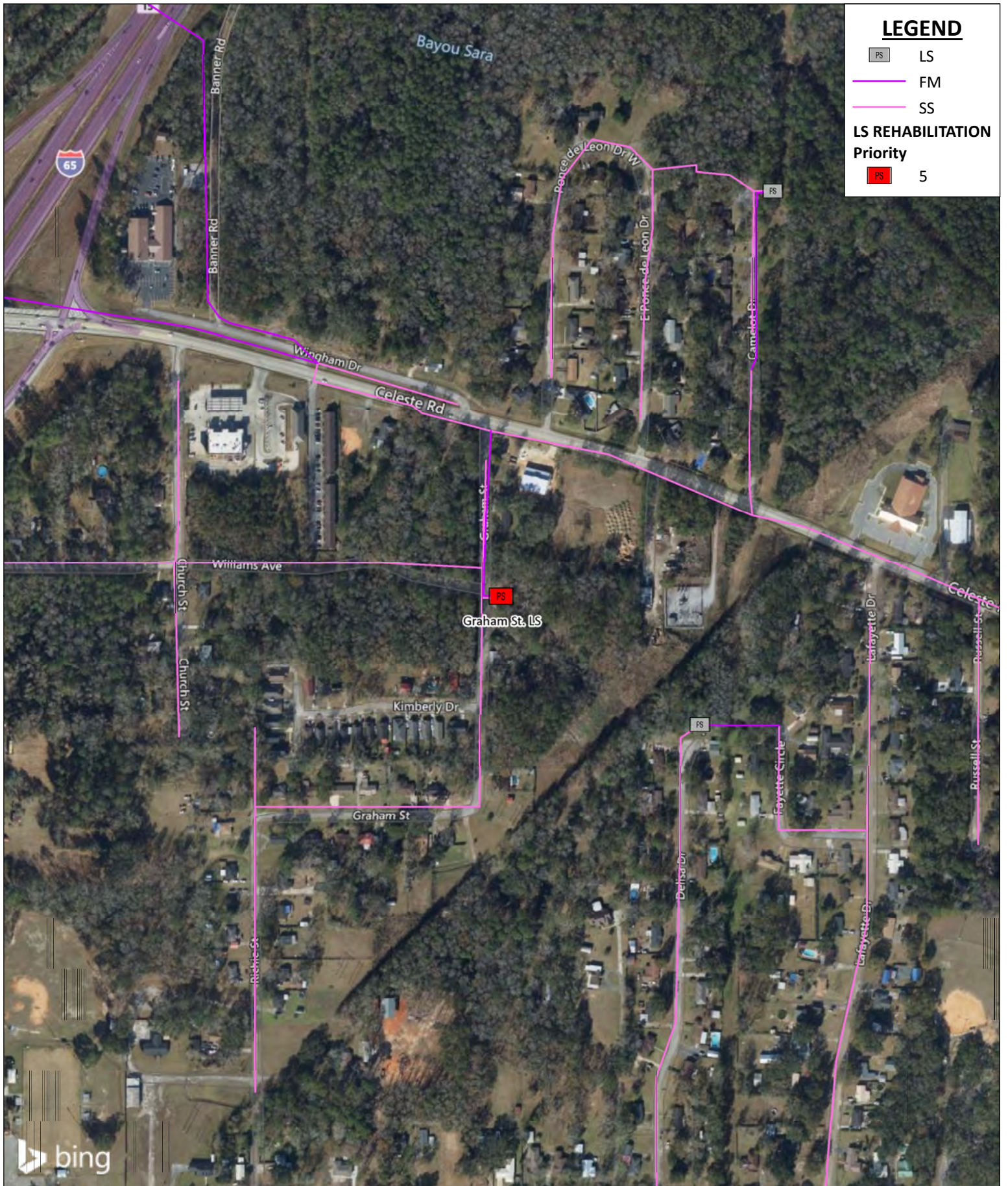






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SANITARY SEWER COLLECTION SYSTEM MASTER PLAN
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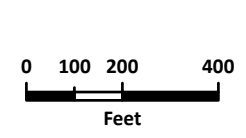
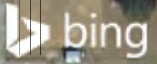


LEGEND

- PS LS
- FM
- SS

LS REHABILITATION Priority

- PS 5



SARALAND WATER AND SEWER SERVICE
Sanitary Sewer Collection System Master Plan
Lift Station
Priority Category 1 - Priority 5



SARALAND WATER AND SEWER SERVICE
Sanitary Sewer Collection System Master Plan
Lift Stations
Preliminary Cost Estimate

GRAHAM ST. LIFT STATION					
PRIORITY CATEGORY 1 - IMMEDIATE					
PRIORITY 5					
Item No.	Description	Unit	Approx. Quantities	Approx. Unit Price	Est. Cost
G-01	Mobilization and Demobilization (NTE 5% Construction Costs)	LS	1	\$ 11,498.38	\$ 11,498.38
G-02	General Demolition	LS	1	\$ 10,000.00	\$ 10,000.00
G-03	Temporary Bypass Pumping	LS	1	\$ 25,000.00	\$ 25,000.00
M-01	Piping and Valves	LS	1	\$ 20,000.00	\$ 20,000.00
M-02	Submersible Pumps (7.5 HP) and Controls	EA	2	\$ 24,750.00	\$ 49,500.00
M-03	Locking Access Hatches with Safety Grating and Hold-Open Arms	LS	1	\$ 10,000.00	\$ 10,000.00
S-01	Wet Well Inspection and Repair	SF	302	\$ 20.00	\$ 6,040.00
S-02	Wet Well Lining	SF	302	\$ 67.00	\$ 20,234.00
E-01	Electrical, Instrumentation, and Controls	LS	1	\$ 43,200.00	\$ 43,200.00
SUBTOTAL:					\$ 195,472.38
25% CONTINGENCY:					\$ 48,868.09
*TOTAL OPINION OF PROBABLE CONSTRUCTION COST:					\$ 245,000.00
*ENGINEERING DESIGN (13.0%):					\$ 32,000.00
*CONSTRUCTION PHASE SERVICES (8.0%):					\$ 20,000.00
*TOTAL ESTIMATED PROJECT COST:					\$ 297,000.00

* Cost rounded up to nearest thousand.

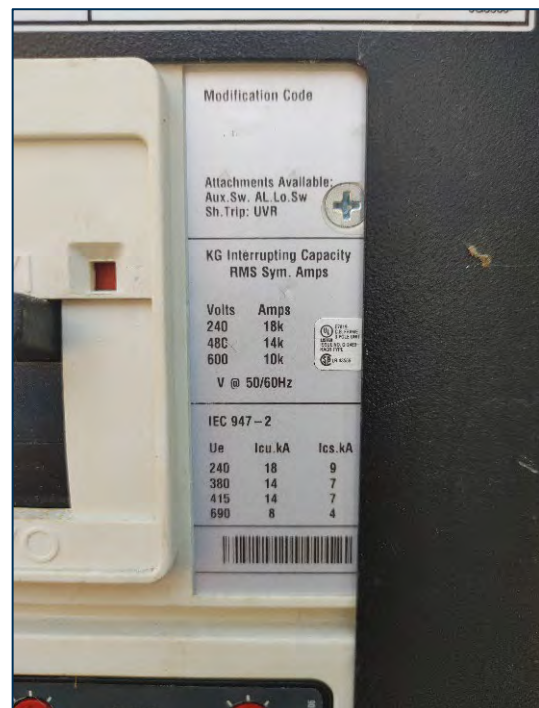


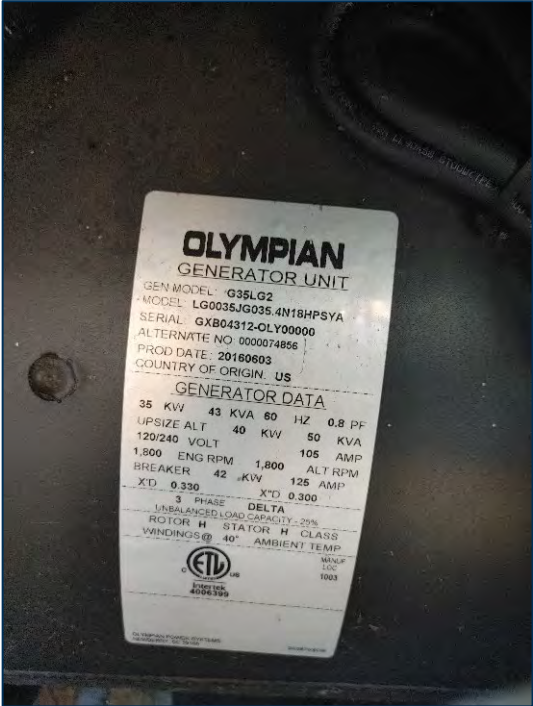
GRAHAM ST. LIFT STATION



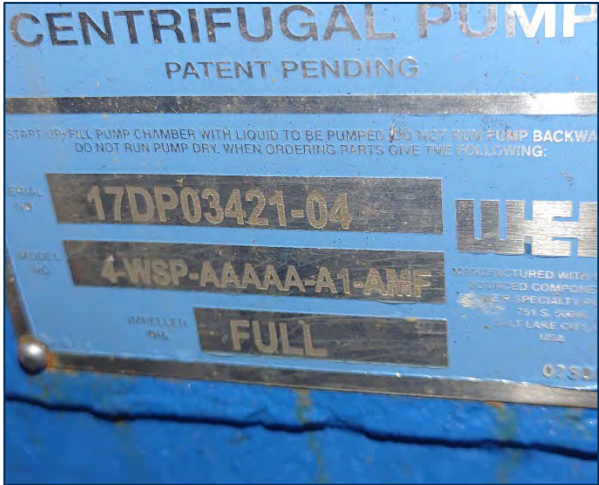
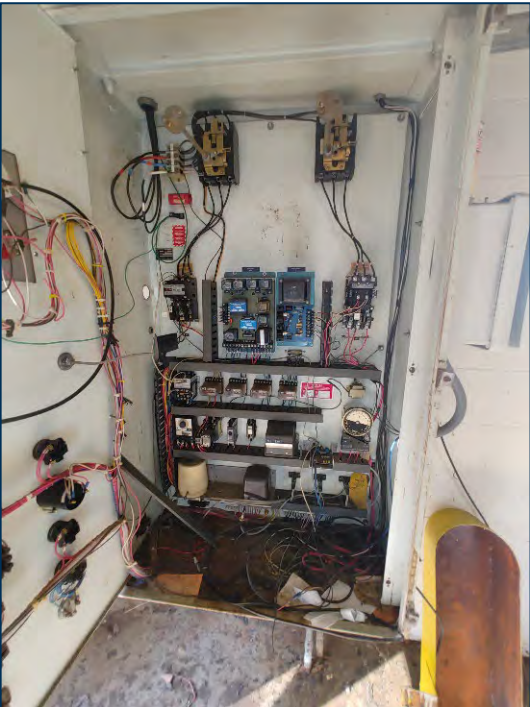


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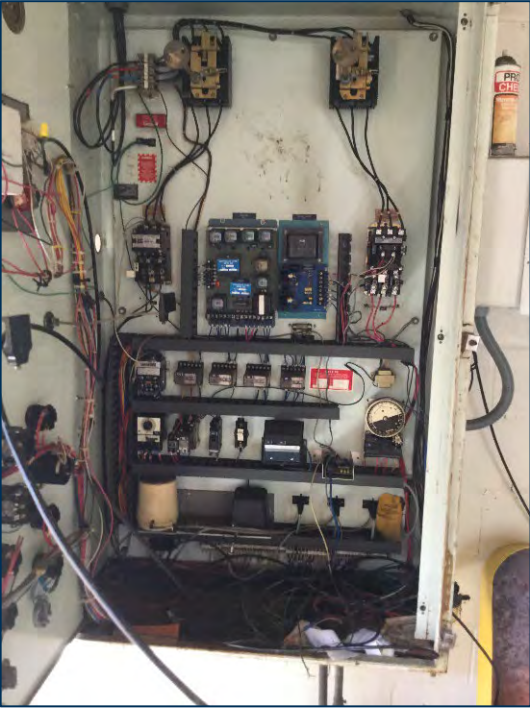






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LEGEND

PS LS

FM

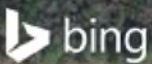
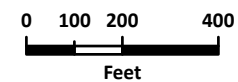
SS

LS REHABILITATION

Priority

PS 6

SARALAND WATER AND SEWER SERVICE
Sanitary Sewer Collection System Master Plan
Lift Station
Priority Category 1 - Priority 6



SARALAND WATER AND SEWER SERVICE
Sanitary Sewer Collection System Master Plan
Lift Stations
Preliminary Cost Estimate

FOREST AVE. LIFT STATION					
PRIORITY CATEGORY 1 - IMMEDIATE					
PRIORITY 6					
Item No.	Description	Unit	Approx. Quantities	Approx. Unit Price	Est. Cost
G-01	Mobilization and Demobilization (NTE 5% Construction Costs)	LS	1	\$ 11,808.31	\$ 11,808.31
G-02	General Demolition	LS	1	\$ 10,000.00	\$ 10,000.00
G-03	Temporary Bypass Pumping	LS	1	\$ 25,000.00	\$ 25,000.00
M-01	Piping and Valves	LS	1	\$ 20,000.00	\$ 20,000.00
M-02	Submersible Pumps (7.5 HP) and Controls	EA	2	\$ 24,750.00	\$ 49,500.00
M-03	Locking Access Hatches with Safety Grating and Hold-Open Arms	LS	1	\$ 10,000.00	\$ 10,000.00
S-01	Wet Well Inspection and Repair	SF	359	\$ 20.00	\$ 7,180.00
S-02	Wet Well Lining	SF	359	\$ 67.00	\$ 24,053.00
E-01	Electrical, Instrumentation, and Controls	LS	1	\$ 43,200.00	\$ 43,200.00
SUBTOTAL:					\$ 200,741.31
25% CONTINGENCY:					\$ 50,185.33
*TOTAL OPINION OF PROBABLE CONSTRUCTION COST:					\$ 251,000.00
*ENGINEERING DESIGN (13.0%):					\$ 33,000.00
*CONSTRUCTION PHASE SERVICES (8.0%):					\$ 21,000.00
*TOTAL ESTIMATED PROJECT COST:					\$ 305,000.00

* Cost rounded up to nearest thousand.



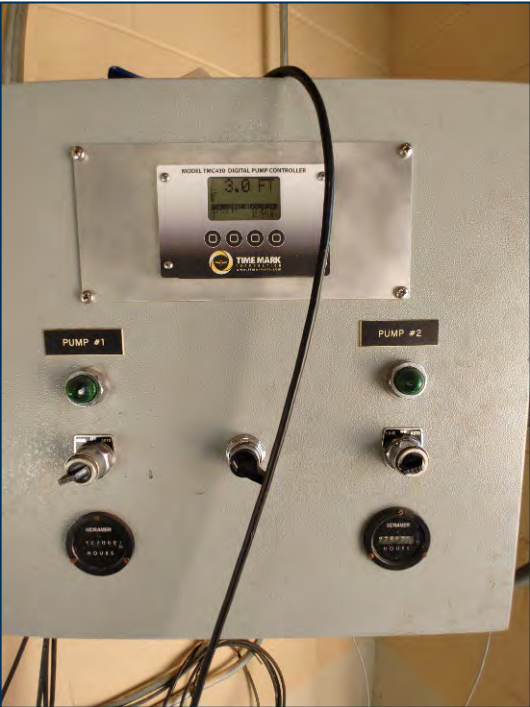
FOREST AVE. LIFT STATION

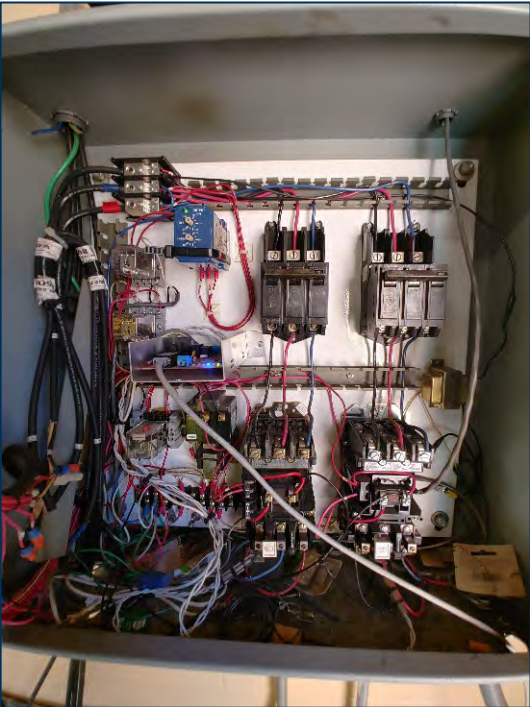
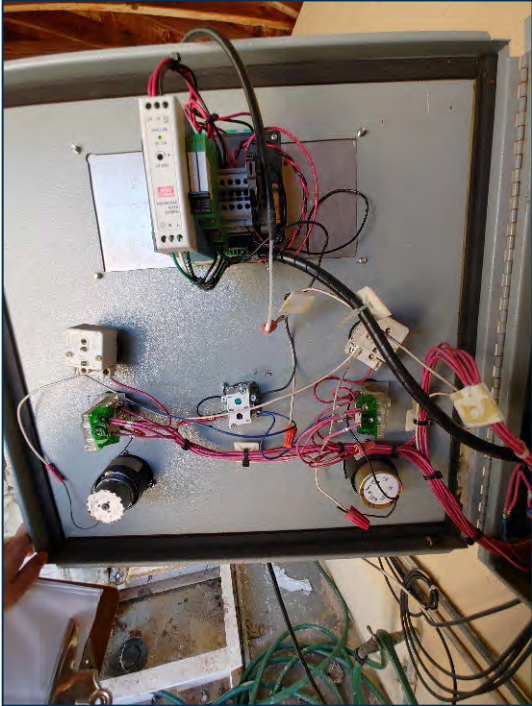


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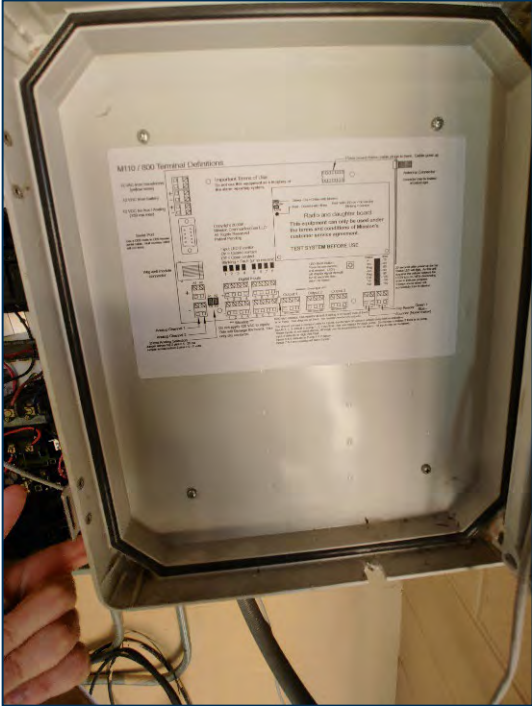


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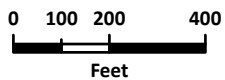


LEGEND

-  LS
-  FM
-  SS

**LS REHABILITATION
Priority**

-  7



**SARALAND WATER AND SEWER SERVICE
Sanitary Sewer Collection System Master Plan
Lift Station
Priority Category 1 - Priority 7**



SARALAND WATER AND SEWER SERVICE
Sanitary Sewer Collection System Master Plan
Lift Stations
Preliminary Cost Estimate

DEER RUN DR. LIFT STATION					
PRIORITY CATEGORY 1 - IMMEDIATE					
PRIORITY 7					
Item No.	Description	Unit	Approx. Quantities	Approx. Unit Price	Est. Cost
G-01	Mobilization and Demobilization (NTE 5% Construction Costs)	LS	1	\$ 21,726.75	\$ 21,726.75
G-02	General Demolition	LS	1	\$ 10,000.00	\$ 10,000.00
G-03	Temporary Bypass Pumping	LS	1	\$ 25,000.00	\$ 25,000.00
M-01	Piping and Valves	LS	1	\$ 20,000.00	\$ 20,000.00
M-02	Submersible Pumps (25 HP) and Controls	EA	3	\$ 45,000.00	\$ 135,000.00
M-03	Locking Access Hatches with Safety Grating and Hold-Open Arms	LS	1	\$ 10,000.00	\$ 10,000.00
S-01	Wet Well Inspection and Repair	SF	844	\$ 20.00	\$ 16,880.00
S-02	Wet Well Lining	SF	844	\$ 67.00	\$ 56,548.00
E-01	Electrical, Instrumentation, and Controls	LS	1	\$ 74,200.00	\$ 74,200.00
SUBTOTAL:					\$ 369,354.75
25% CONTINGENCY:					\$ 92,338.69
*TOTAL OPINION OF PROBABLE CONSTRUCTION COST:					\$ 462,000.00
*ENGINEERING DESIGN (13.0%):					\$ 61,000.00
*CONSTRUCTION PHASE SERVICES (8.0%):					\$ 37,000.00
*TOTAL ESTIMATED PROJECT COST:					\$ 560,000.00

* Cost rounded up to nearest thousand.

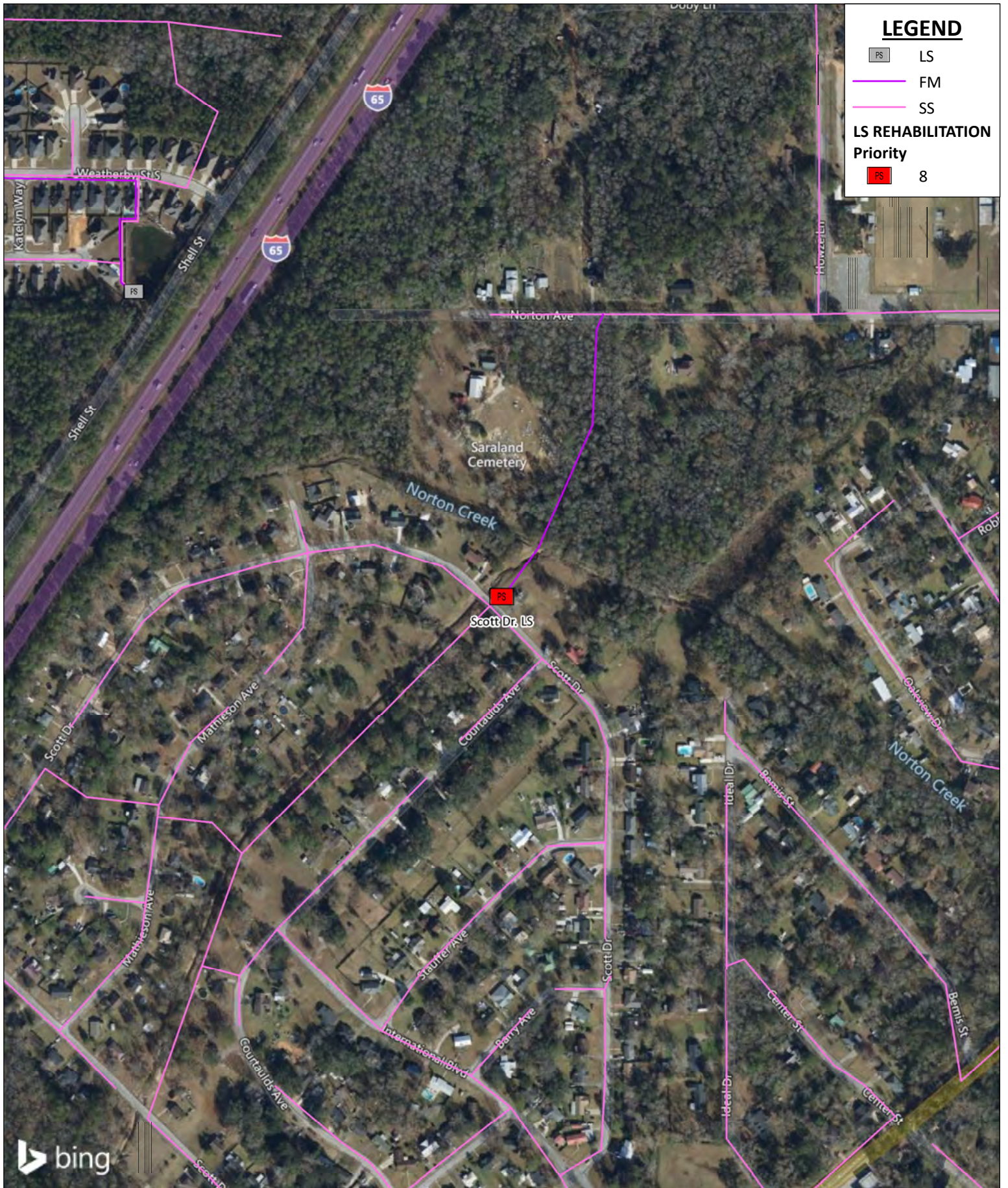


DEER RUN. LIFT STATION

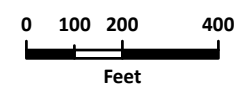


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SARALAND WATER AND SEWER SERVICE
Sanitary Sewer Collection System Master Plan
Lift Station
Priority Category 1 - Priority 8



SARALAND WATER AND SEWER SERVICE
Sanitary Sewer Collection System Master Plan
Lift Stations
Preliminary Cost Estimate

SCOTT DR. LIFT STATION PRIORITY CATEGORY 1 - IMMEDIATE PRIORITY 8					
Item No.	Description	Unit	Approx. Quantities	Approx. Unit Price	Est. Cost
G-01	Mobilization and Demobilization (NTE 5% Construction Costs)	LS	1	\$ 15,187.94	\$ 15,187.94
G-02	General Demolition	LS	1	\$ 10,000.00	\$ 10,000.00
G-03	Temporary Bypass Pumping	LS	1	\$ 25,000.00	\$ 25,000.00
M-01	Piping and Valves	LS	1	\$ 20,000.00	\$ 20,000.00
M-02	Submersible Pumps (5 HP) and Controls	EA	2	\$ 21,250.00	\$ 42,500.00
M-03	Locking Access Hatches with Safety Grating and Hold-Open Arms	LS	1	\$ 10,000.00	\$ 10,000.00
S-01	Wet Well Inspection and Repair	SF	1061	\$ 20.00	\$ 21,220.00
S-02	Wet Well Lining	SF	1061	\$ 67.00	\$ 71,087.00
E-01	Electrical, Instrumentation, and Controls	LS	1	\$ 43,200.00	\$ 43,200.00
SUBTOTAL:					\$ 258,194.94
25% CONTINGENCY:					\$ 64,548.73
*TOTAL OPINION OF PROBABLE CONSTRUCTION COST:					\$ 323,000.00
*ENGINEERING DESIGN (13.0%):					\$ 42,000.00
*CONSTRUCTION PHASE SERVICES (8.0%):					\$ 26,000.00
*TOTAL ESTIMATED PROJECT COST:					\$ 391,000.00

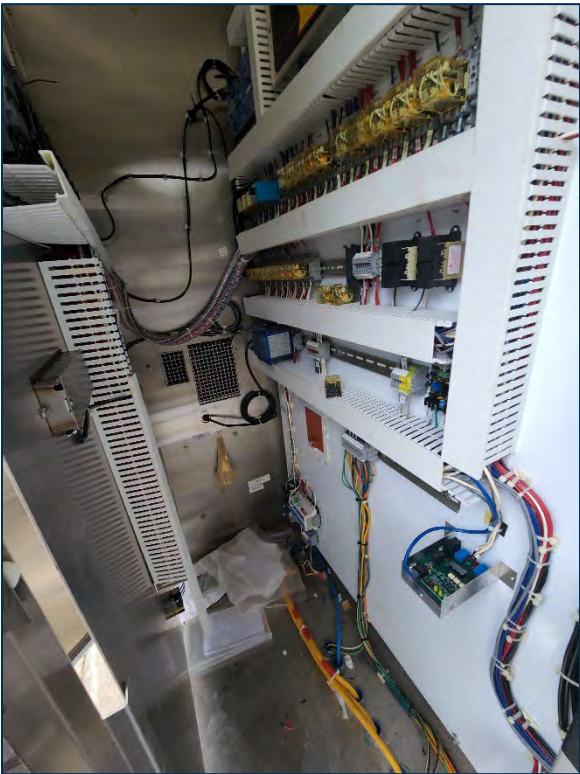
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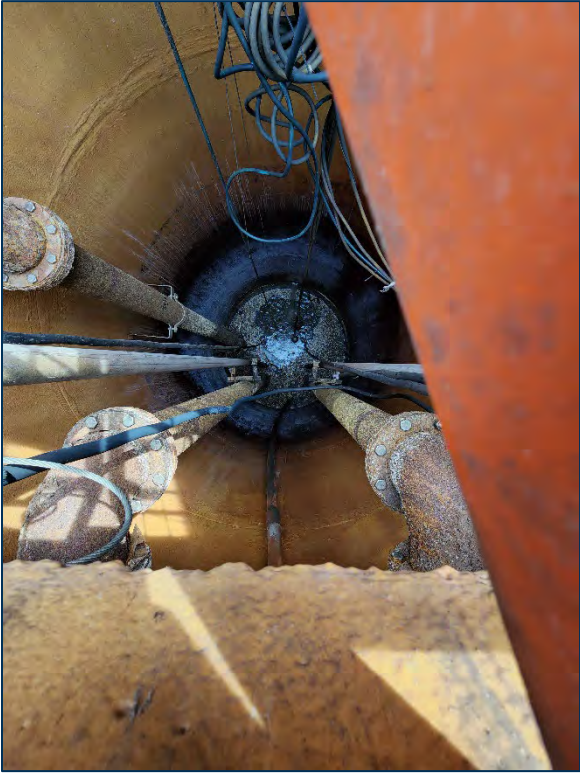
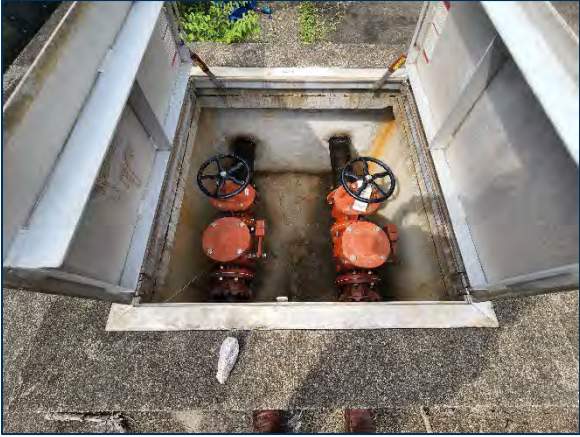


SCOTT DR. LIFT STATION



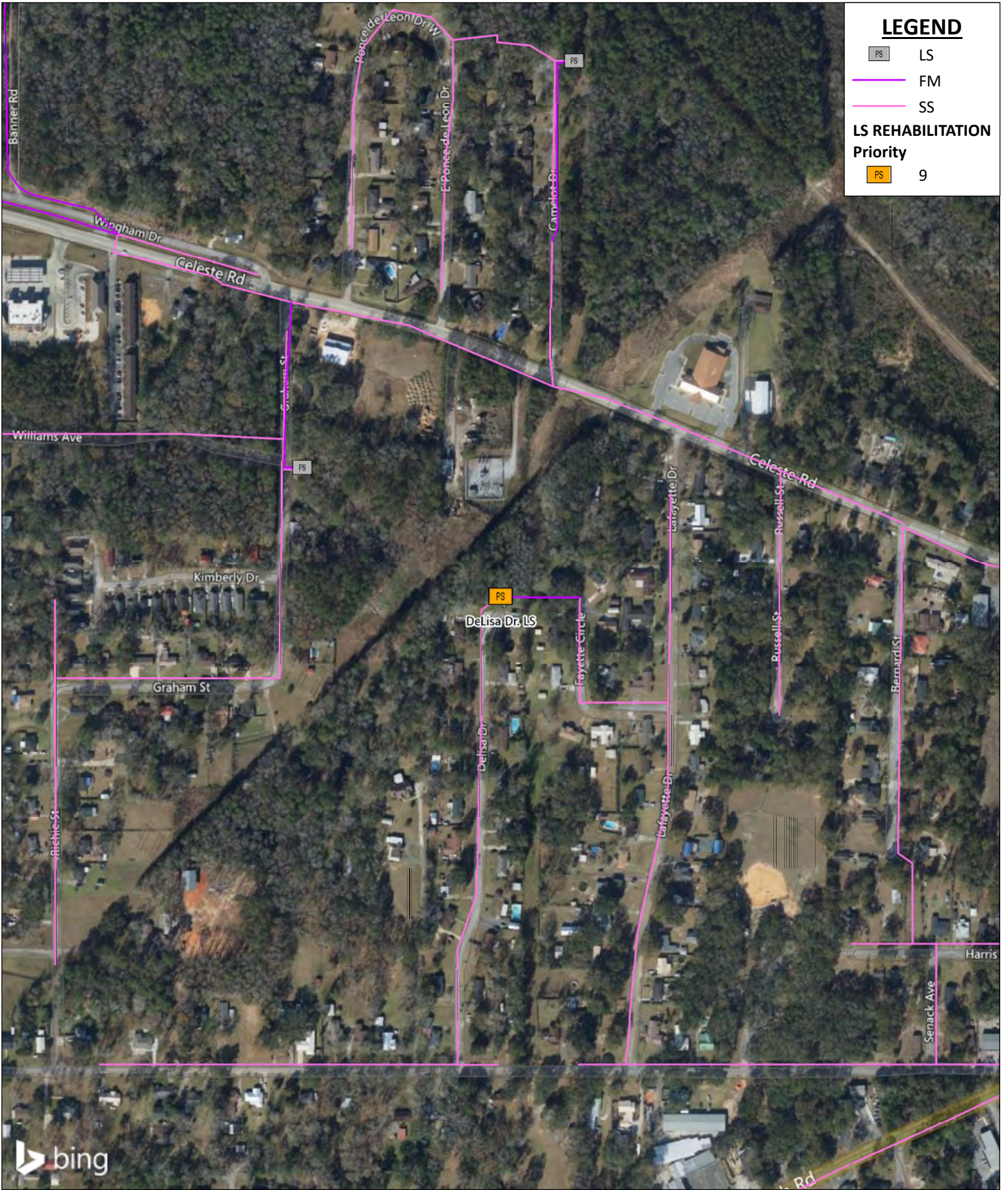
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PRIORITY CATEGORY 2
SHORT-TERM PRIORITY

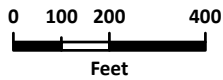


LEGEND

- PS LS
- FM
- SS

LS REHABILITATION Priority

- PS 9



SARALAND WATER AND SEWER SERVICE
Sanitary Sewer Collection System Master Plan
Lift Station
Priority Category 2 - Priority 9



SARALAND WATER AND SEWER SERVICE
Sanitary Sewer Collection System Master Plan
Lift Stations
Preliminary Cost Estimate

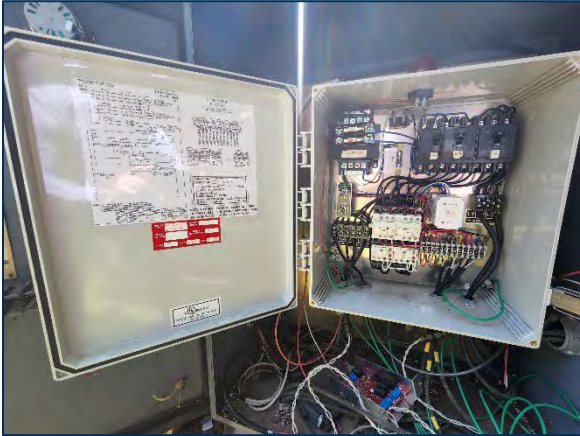
DELISA DR. LIFT STATION					
PRIORITY CATEGORY 2 - SHORT-TERM					
PRIORITY 9					
Item No.	Description	Unit	Approx. Quantities	Approx. Unit Price	Est. Cost
G-01	Mobilization and Demobilization (NTE 5% Construction Costs)	LS	1	\$ 13,517.50	\$ 13,517.50
G-02	General Demolition	LS	1	\$ 10,000.00	\$ 10,000.00
G-03	Temporary Bypass Pumping	LS	1	\$ 25,000.00	\$ 25,000.00
M-01	Piping and Valves	LS	1	\$ 20,000.00	\$ 20,000.00
M-02	Submersible Pumps (5 HP) and Controls	EA	2	\$ 21,250.00	\$ 42,500.00
M-03	Locking Access Hatches with Safety Grating and Hold-Open Arms	LS	1	\$ 10,000.00	\$ 10,000.00
S-01	Wet Well Inspection and Repair	SF	340	\$ 20.00	\$ 6,800.00
S-02	Wet Well Lining	SF	340	\$ 67.00	\$ 22,780.00
E-01	Electrical, Instrumentation, and Controls	LS	1	\$ 79,200.00	\$ 79,200.00
SUBTOTAL:					\$ 229,797.50
25% CONTINGENCY:					\$ 57,449.38
*TOTAL OPINION OF PROBABLE CONSTRUCTION COST:					\$ 288,000.00
*ENGINEERING DESIGN (13.0%):					\$ 38,000.00
*CONSTRUCTION PHASE SERVICES (8.0%):					\$ 24,000.00
*TOTAL ESTIMATED PROJECT COST:					\$ 350,000.00

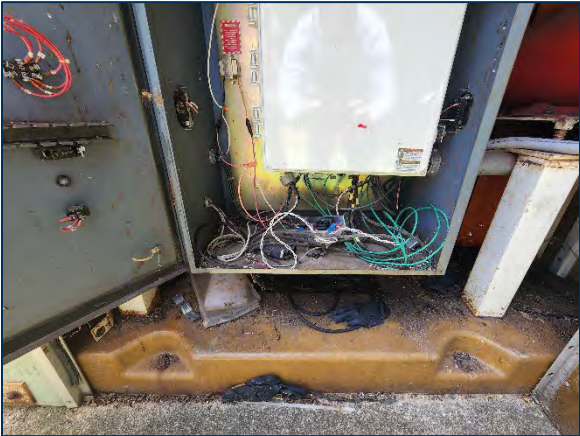
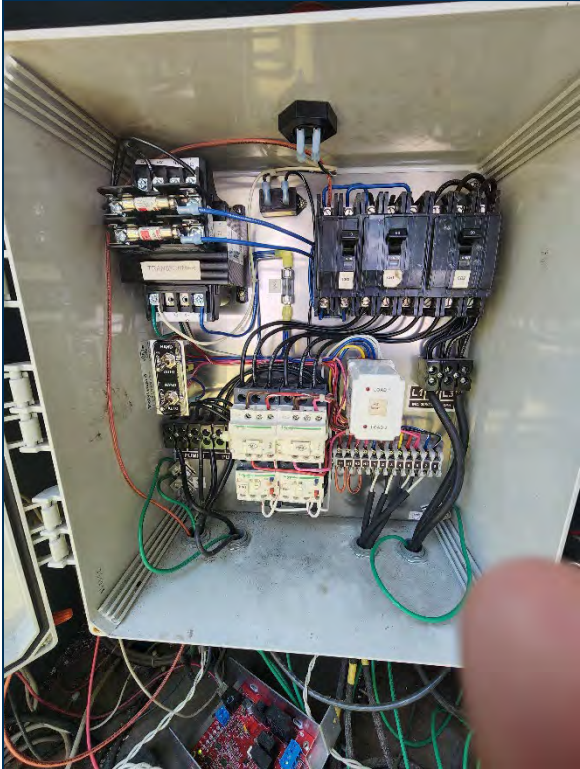
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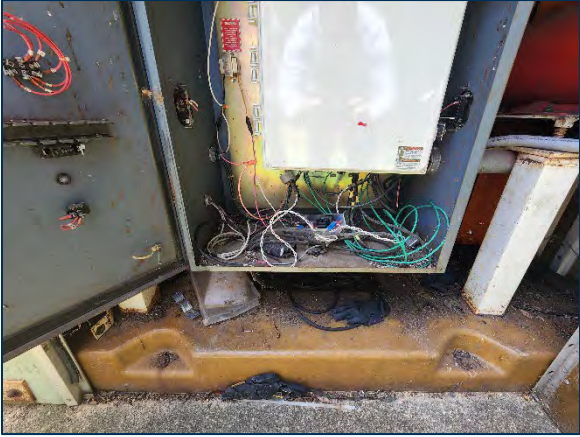


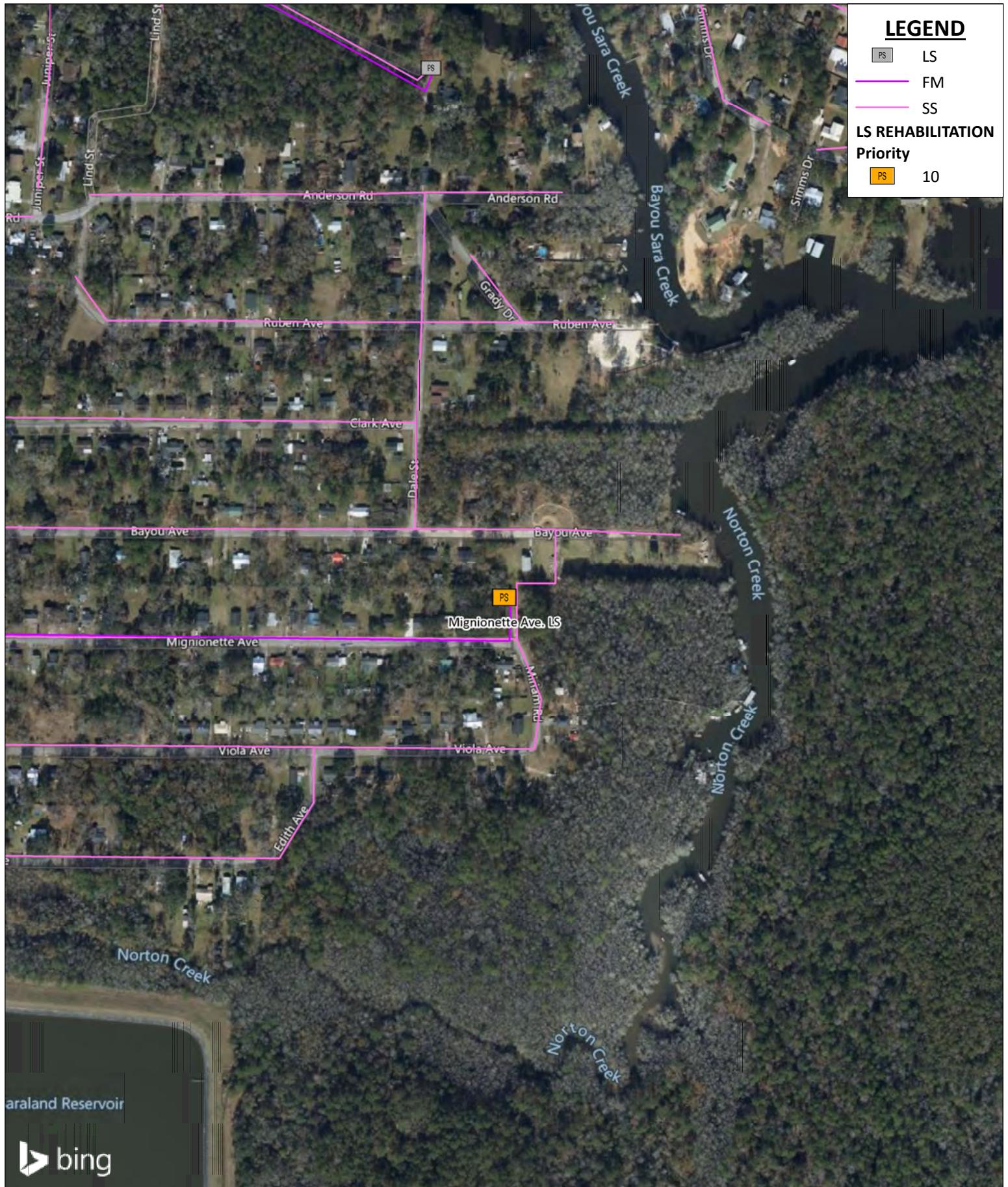
DELISA DR. LIFT STATION







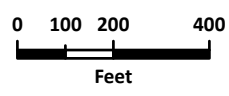




LEGEND

- PS LS
 - FM
 - SS
- LS REHABILITATION
Priority**
- PS 10

Saraland Reservoir



SARALAND WATER AND SEWER SERVICE
Sanitary Sewer Collection System Master Plan
Lift Station
Priority Category 2 - Priority 10



SARALAND WATER AND SEWER SERVICE
Sanitary Sewer Collection System Master Plan
Lift Stations
Preliminary Cost Estimate

MIGNIONETTE LIFT STATION PRIORITY CATEGORY 2 - SHORT-TERM PRIORITY 10					
Item No.	Description	Unit	Approx. Quantities	Approx. Unit Price	Est. Cost
G-01	Mobilization and Demobilization (NTE 5% Construction Costs)	LS	1	\$ 15,559.88	\$ 15,559.88
G-02	General Demolition	LS	1	\$ 10,000.00	\$ 10,000.00
G-03	Temporary Bypass Pumping	LS	1	\$ 25,000.00	\$ 25,000.00
M-01	Piping and Valves	LS	1	\$ 20,000.00	\$ 20,000.00
M-02	Submersible Pumps (20 HP) and Controls	EA	2	\$ 36,000.00	\$ 72,000.00
M-03	Locking Access Hatches with Safety Grating and Hold-Open Arms	LS	1	\$ 10,000.00	\$ 10,000.00
S-01	Wet Well Inspection and Repair	SF	434	\$ 20.00	\$ 8,680.00
S-02	Wet Well Lining	SF	434	\$ 67.00	\$ 29,078.00
E-01	Electrical, Instrumentation, and Controls	LS	1	\$ 74,200.00	\$ 74,200.00
SUBTOTAL:					\$ 264,517.88
25% CONTINGENCY:					\$ 66,129.47
*TOTAL OPINION OF PROBABLE CONSTRUCTION COST:					\$ 331,000.00
*ENGINEERING DESIGN (13.0%):					\$ 44,000.00
*CONSTRUCTION PHASE SERVICES (8.0%):					\$ 27,000.00
*TOTAL ESTIMATED PROJECT COST:					\$ 402,000.00

* Cost rounded up to nearest thousand.



MIGNIONETTE AVE. LIFT STATION



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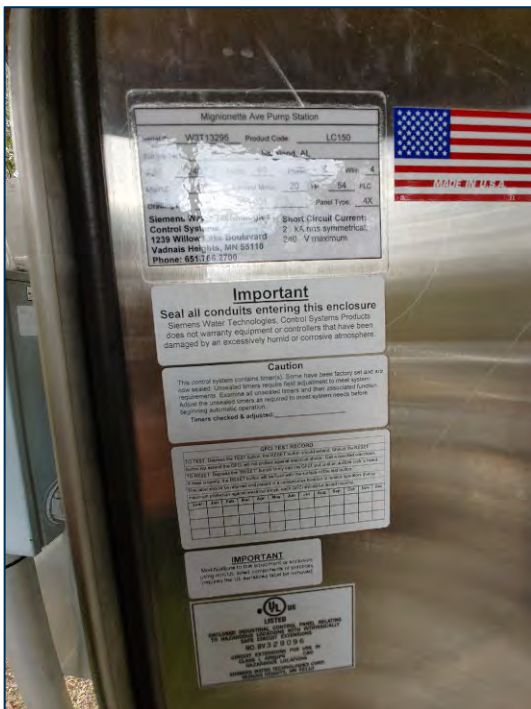
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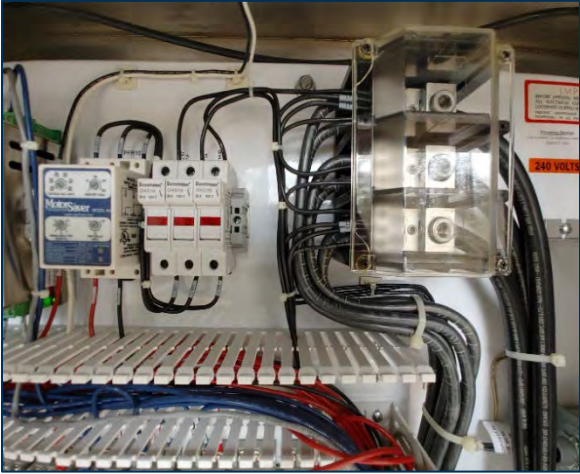
**BOARD OF WATER AND SEWER COMMISSIONERS OF THE CITY OF SARALAND
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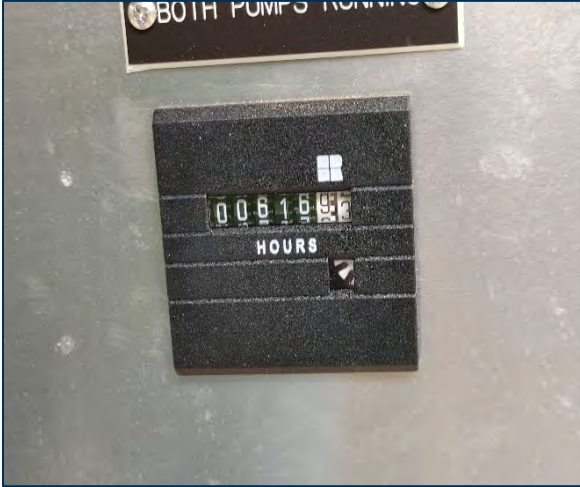
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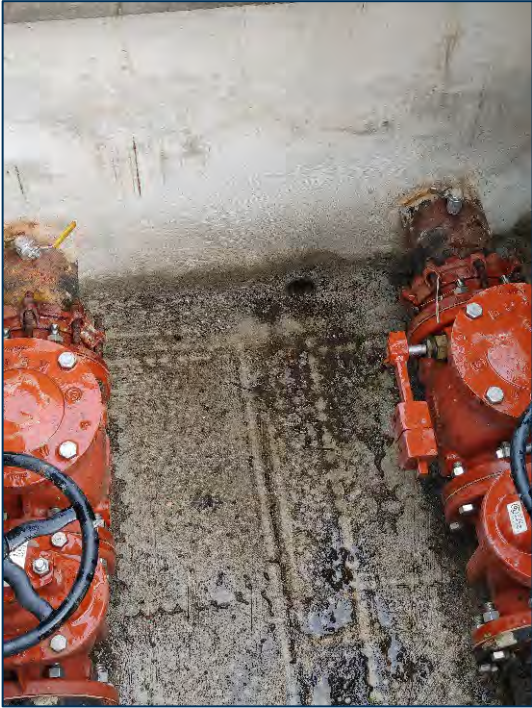




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LEGEND

PS LS

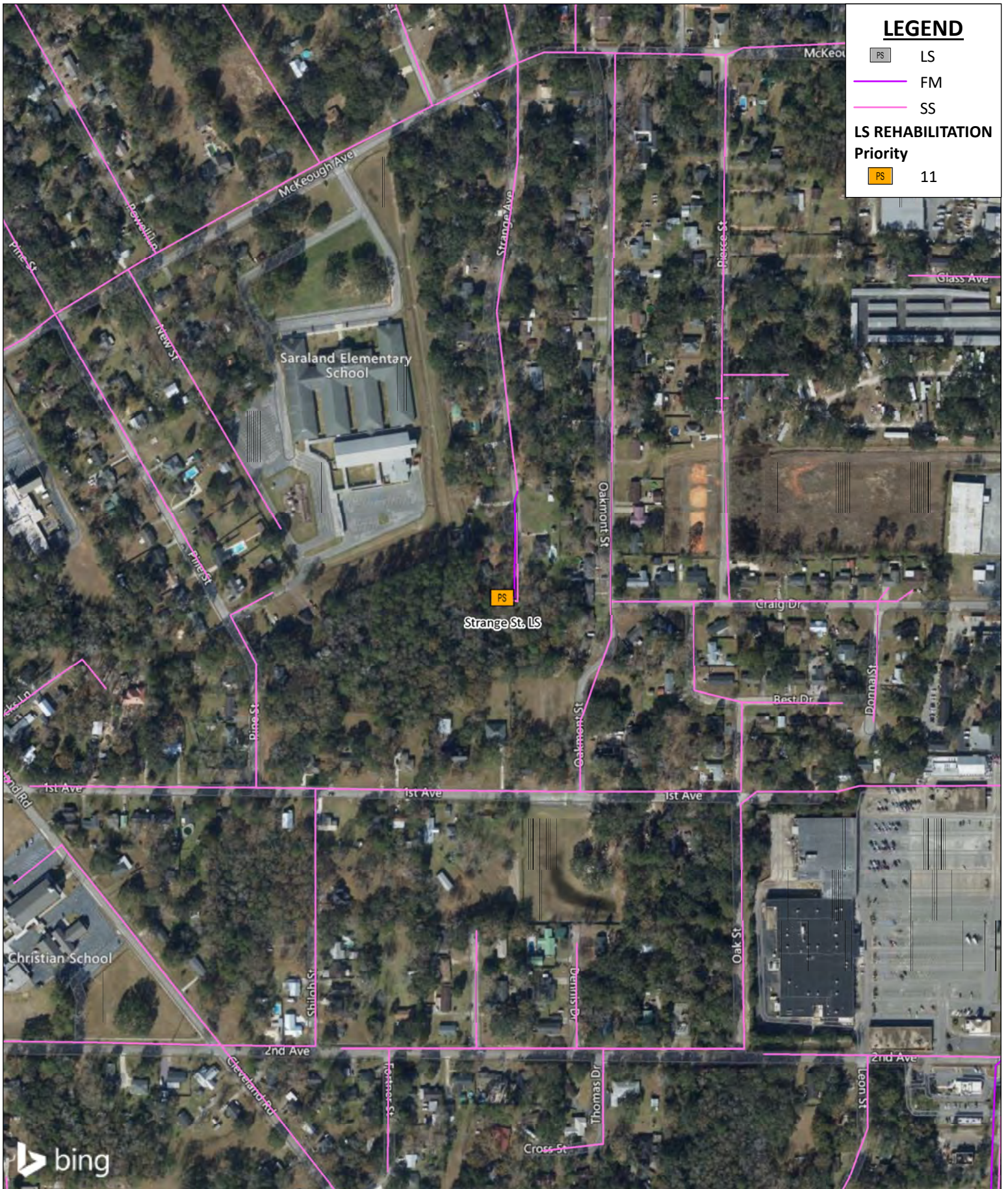
FM

SS

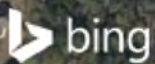
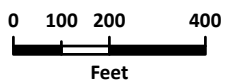
LS REHABILITATION

Priority

PS 11



**SARALAND WATER AND SEWER SERVICE
Sanitary Sewer Collection System Master Plan
Lift Station
Priority Category 2 - Priority 11**



SARALAND WATER AND SEWER SERVICE
Sanitary Sewer Collection System Master Plan
Lift Stations
Preliminary Cost Estimate

STRANGE ST. LIFT STATION					
PRIORITY CATEGORY 2 - SHORT-TERM					
PRIORITY 11					
Item No.	Description	Unit	Approx. Quantities	Approx. Unit Price	Est. Cost
G-01	Mobilization and Demobilization (NTE 5% Construction Costs)	LS	1	\$ 12,736.25	\$ 12,736.25
G-02	General Demolition	LS	1	\$ 10,000.00	\$ 10,000.00
G-03	Temporary Bypass Pumping	LS	1	\$ 25,000.00	\$ 25,000.00
M-01	Piping and Valves	LS	1	\$ 20,000.00	\$ 20,000.00
M-02	Submersible Pumps (2 HP) and Controls	EA	2	\$ 15,000.00	\$ 30,000.00
M-03	Locking Access Hatches with Safety Grating and Hold-Open Arms	LS	1	\$ 10,000.00	\$ 10,000.00
S-01	Wet Well Inspection and Repair	SF	340	\$ 20.00	\$ 6,800.00
S-02	Wet Well Lining	SF	340	\$ 67.00	\$ 22,780.00
E-01	Electrical, Instrumentation, and Controls	LS	1	\$ 79,200.00	\$ 79,200.00
SUBTOTAL:					\$ 216,516.25
25% CONTINGENCY:					\$ 54,129.06
*TOTAL OPINION OF PROBABLE CONSTRUCTION COST:					\$ 271,000.00
*ENGINEERING DESIGN (13.0%):					\$ 36,000.00
*CONSTRUCTION PHASE SERVICES (8.0%):					\$ 22,000.00
*TOTAL ESTIMATED PROJECT COST:					\$ 329,000.00

* Cost rounded up to nearest thousand.



STRANGE ST. LIFT STATION

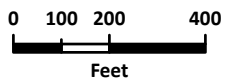


LEGEND

- PS LS
- FM
- SS

**LS REHABILITATION
Priority**

- PS 12



SARALAND WATER AND SEWER SERVICE
Sanitary Sewer Collection System Master Plan
Lift Station
Priority Category 2 - Priority 12



SARALAND WATER AND SEWER SERVICE
Sanitary Sewer Collection System Master Plan
Lift Stations
Preliminary Cost Estimate

TWIN LAKES 1 LIFT STATION PRIORITY CATEGORY 2 - SHORT-TERM PRIORITY 12					
Item No.	Description	Unit	Approx. Quantities	Approx. Unit Price	Est. Cost
G-01	Mobilization and Demobilization (NTE 5% Construction Costs)	LS	1	\$ 13,488.63	\$ 13,488.63
G-02	General Demolition	LS	1	\$ 10,000.00	\$ 10,000.00
G-03	Temporary Bypass Pumping	LS	1	\$ 25,000.00	\$ 25,000.00
M-01	Piping and Valves	LS	1	\$ 20,000.00	\$ 20,000.00
M-02	Submersible Pumps (10 HP) and Controls	EA	2	\$ 26,000.00	\$ 52,000.00
M-03	Locking Access Hatches with Safety Grating and Hold-Open Arms	LS	1	\$ 10,000.00	\$ 10,000.00
S-01	Wet Well Inspection and Repair	SF	214	\$ 20.00	\$ 4,280.00
S-02	Wet Well Lining	SF	214	\$ 67.00	\$ 14,338.00
E-01	Electrical, Instrumentation, and Controls	LS	1	\$ 80,200.00	\$ 80,200.00
SUBTOTAL:					\$ 229,306.63
25% CONTINGENCY:					\$ 57,326.66
*TOTAL OPINION OF PROBABLE CONSTRUCTION COST:					\$ 287,000.00
*ENGINEERING DESIGN (13.0%):					\$ 38,000.00
*CONSTRUCTION PHASE SERVICES (8.0%):					\$ 23,000.00
*TOTAL ESTIMATED PROJECT COST:					\$ 348,000.00

* Cost rounded up to nearest thousand.

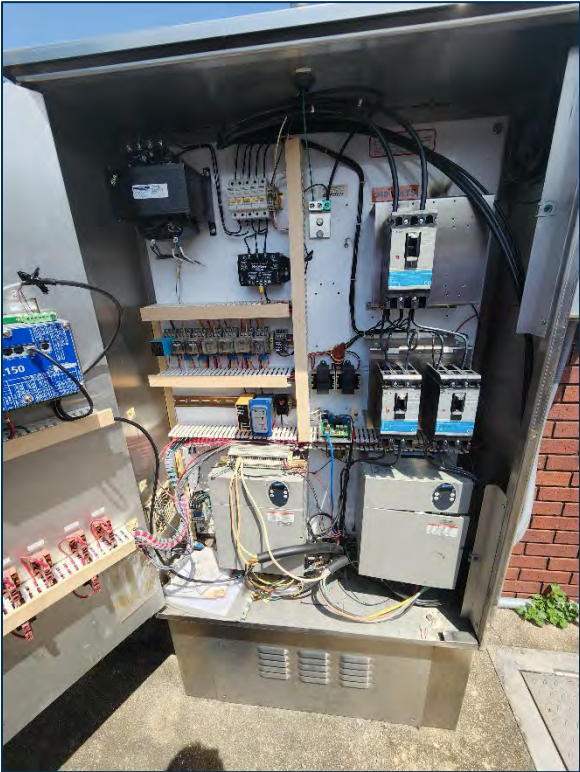


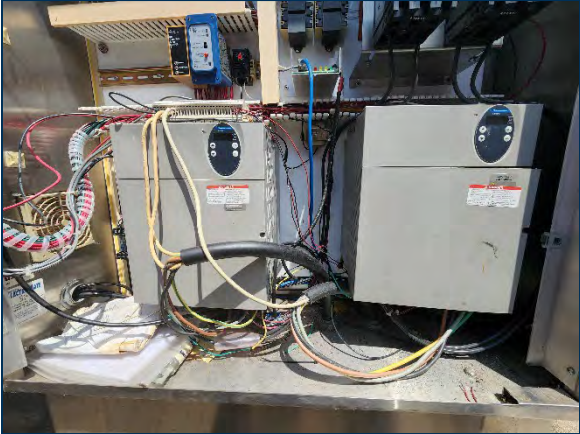
TWIN LAKES #1 LIFT STATION

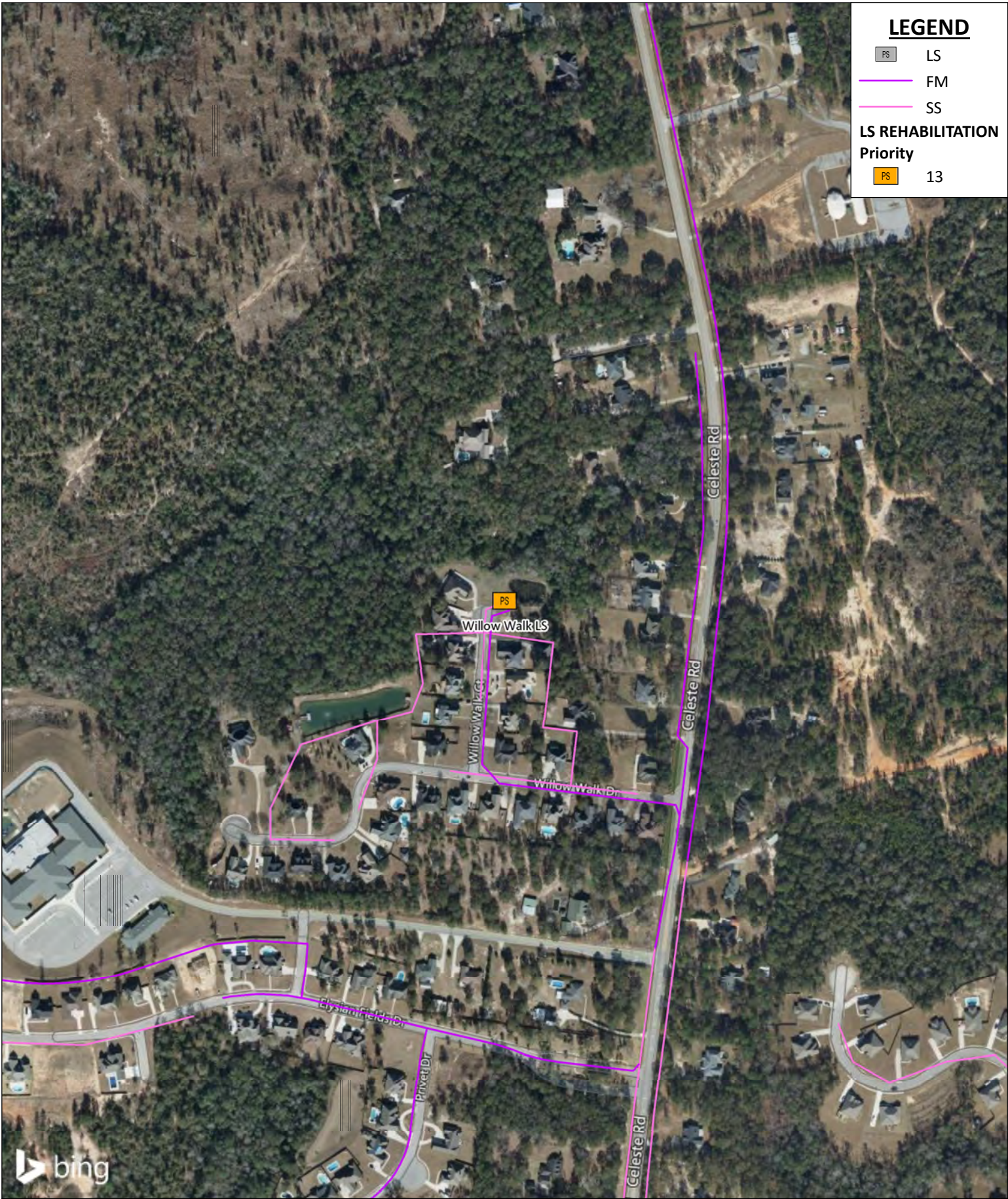




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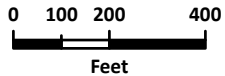


LEGEND

- PS LS
- FM
- SS

**LS REHABILITATION
Priority**

- PS 13



SARALAND WATER AND SEWER SERVICE
Sanitary Sewer Collection System Master Plan
Lift Station
Priority Category 2 - Priority 13



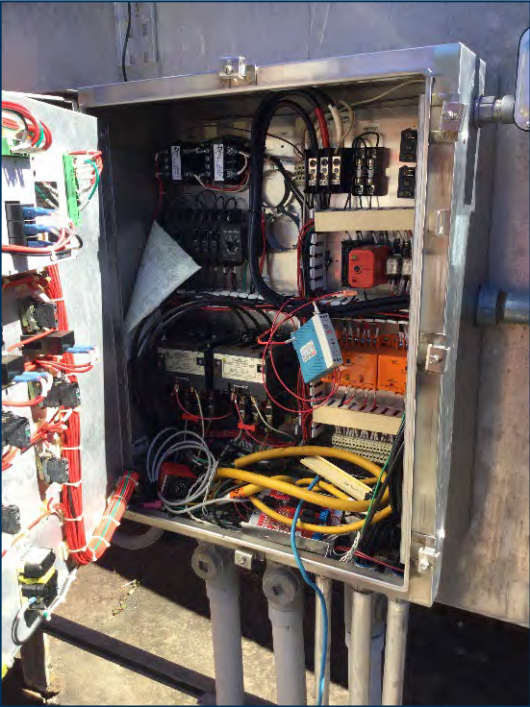
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Sanitary Sewer Collection System Master Plan
Lift Stations
Preliminary Cost Estimate

WILLOW WALK LIFT STATION PRIORITY CATEGORY 2 - SHORT-TERM PRIORITY 13					
Item No.	Description	Unit	Approx. Quantities	Approx. Unit Price	Est. Cost
G-01	Mobilization and Demobilization (NTE 5% Construction Costs)	LS	1	\$ 12,908.50	\$ 12,908.50
G-02	General Demolition	LS	1	\$ 10,000.00	\$ 10,000.00
G-03	Temporary Bypass Pumping	LS	1	\$ 25,000.00	\$ 25,000.00
M-01	Piping and Valves	LS	1	\$ 20,000.00	\$ 20,000.00
M-02	Submersible Pumps (5 HP) and Controls	EA	2	\$ 21,250.00	\$ 42,500.00
M-03	Locking Access Hatches with Safety Grating and Hold-Open Arms	LS	1	\$ 10,000.00	\$ 10,000.00
S-01	Wet Well Inspection and Repair	SF	228	\$ 20.00	\$ 4,560.00
S-02	Wet Well Lining	SF	228	\$ 67.00	\$ 15,276.00
E-01	Electrical, Instrumentation, and Controls	LS	1	\$ 79,200.00	\$ 79,200.00
SUBTOTAL:					\$ 219,444.50
25% CONTINGENCY:					\$ 54,861.13
*TOTAL OPINION OF PROBABLE CONSTRUCTION COST:					\$ 275,000.00
*ENGINEERING DESIGN (13.0%):					\$ 36,000.00
*CONSTRUCTION PHASE SERVICES (8.0%):					\$ 22,000.00
*TOTAL ESTIMATED PROJECT COST:					\$ 333,000.00

* Cost rounded up to nearest thousand.

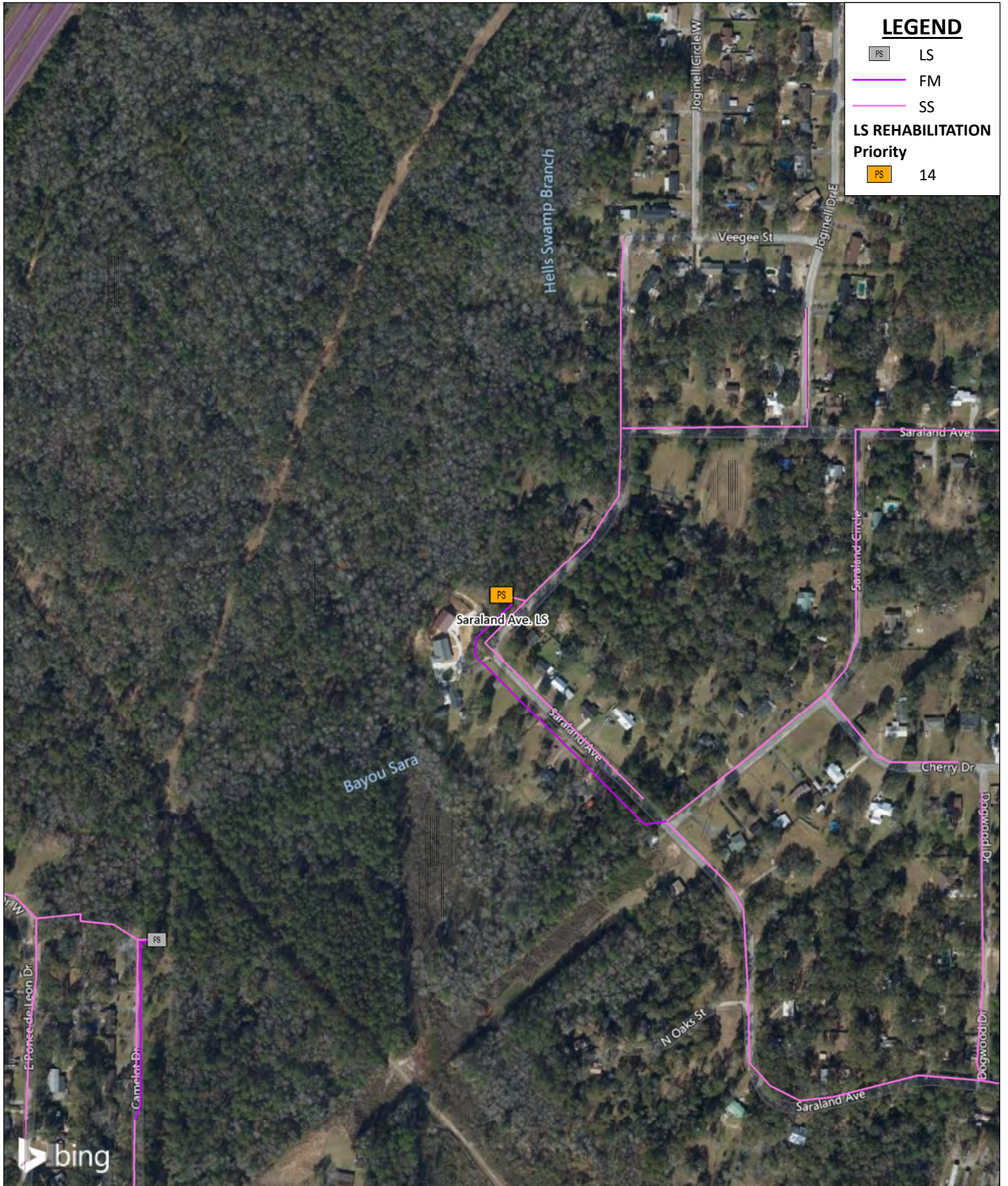


WILLOW WALK LIFT STATION







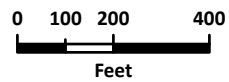
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LEGEND

	LS
	FM
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LS REHABILITATION Priority	
	14



SARALAND WATER AND SEWER SERVICE
Sanitary Sewer Collection System Master Plan
Lift Station
Priority Category 2 - Priority 14



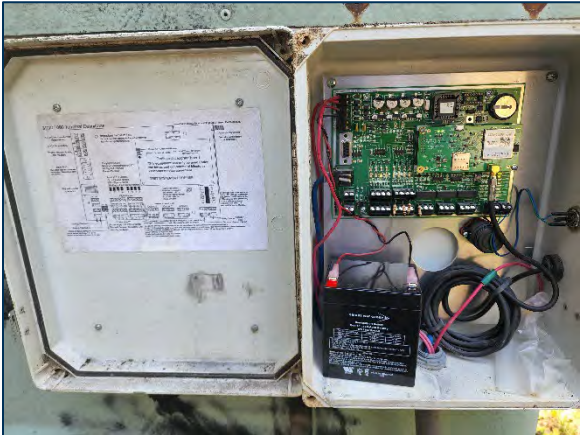
SARALAND WATER AND SEWER SERVICE
Sanitary Sewer Collection System Master Plan
Lift Stations
Preliminary Cost Estimate

SARALAND AVE. LIFT STATION PRIORITY CATEGORY 2 - SHORT-TERM PRIORITY 14					
Item No.	Description	Unit	Approx. Quantities	Approx. Unit Price	Est. Cost
G-01	Mobilization and Demobilization (NTE 5% Construction Costs)	LS	1	\$ 14,028.63	\$ 14,028.63
G-02	General Demolition	LS	1	\$ 10,000.00	\$ 10,000.00
G-03	Temporary Bypass Pumping	LS	1	\$ 25,000.00	\$ 25,000.00
M-01	Piping and Valves	LS	1	\$ 20,000.00	\$ 20,000.00
M-02	Submersible Pumps (5 HP) and Controls	EA	2	\$ 21,250.00	\$ 42,500.00
M-03	Locking Access Hatches with Safety Grating and Hold-Open Arms	LS	1	\$ 10,000.00	\$ 10,000.00
S-01	Wet Well Inspection and Repair	SF	434	\$ 20.00	\$ 8,680.00
S-02	Wet Well Lining	SF	434	\$ 67.00	\$ 29,078.00
E-01	Electrical, Instrumentation, and Controls	LS	1	\$ 79,200.00	\$ 79,200.00
SUBTOTAL:					\$ 238,486.63
25% CONTINGENCY:					\$ 59,621.66
*TOTAL OPINION OF PROBABLE CONSTRUCTION COST:					\$ 299,000.00
*ENGINEERING DESIGN (13.0%):					\$ 39,000.00
*CONSTRUCTION PHASE SERVICES (8.0%):					\$ 24,000.00
*TOTAL ESTIMATED PROJECT COST:					\$ 362,000.00

* Cost rounded up to nearest thousand.



SARALAND AVE. LIFT STATION



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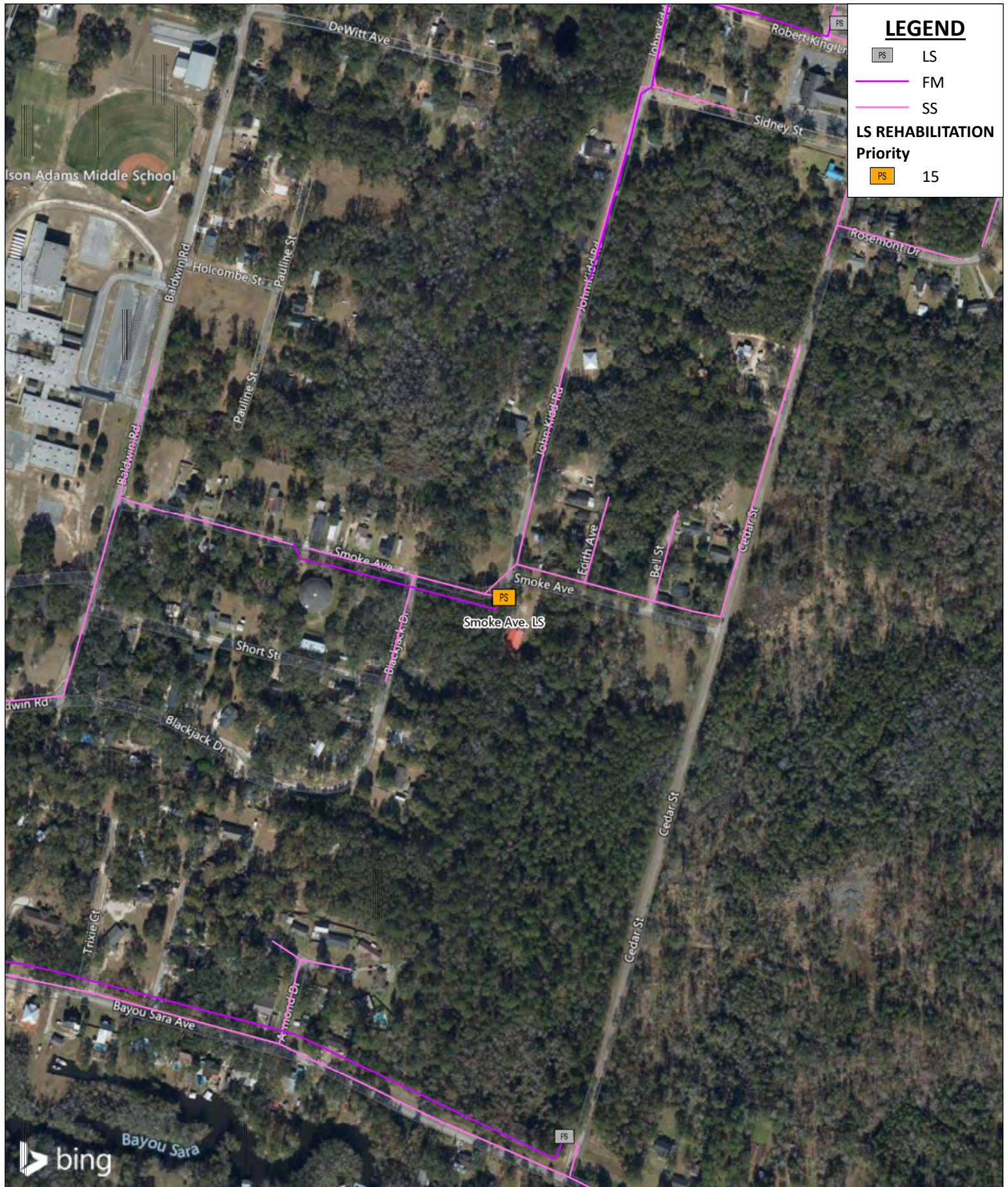


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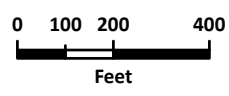
PS LS

FM

SS

LS REHABILITATION Priority

PS 15



SARALAND WATER AND SEWER SERVICE
Sanitary Sewer Collection System Master Plan
Lift Station
Priority Category 2 - Priority 15



SARALAND WATER AND SEWER SERVICE
Sanitary Sewer Collection System Master Plan
Lift Stations
Preliminary Cost Estimate

SMOKE AVE. LIFT STATION PRIORITY CATEGORY 2 - SHORT-TERM PRIORITY 15					
Item No.	Description	Unit	Approx. Quantities	Approx. Unit Price	Est. Cost
G-01	Mobilization and Demobilization (NTE 5% Construction Costs)	LS	1	\$ 13,144.06	\$ 13,144.06
G-02	General Demolition	LS	1	\$ 10,000.00	\$ 10,000.00
G-03	Temporary Bypass Pumping	LS	1	\$ 25,000.00	\$ 25,000.00
M-01	Piping and Valves	LS	1	\$ 20,000.00	\$ 20,000.00
M-02	Submersible Pumps (2 HP) and Controls	EA	2	\$ 15,000.00	\$ 30,000.00
M-03	Locking Access Hatches with Safety Grating and Hold-Open Arms	LS	1	\$ 10,000.00	\$ 10,000.00
S-01	Wet Well Inspection and Repair	SF	415	\$ 20.00	\$ 8,300.00
S-02	Wet Well Lining	SF	415	\$ 67.00	\$ 27,805.00
E-01	Electrical, Instrumentation, and Controls	LS	1	\$ 79,200.00	\$ 79,200.00
SUBTOTAL:					\$ 223,449.06
25% CONTINGENCY:					\$ 55,862.27
*TOTAL OPINION OF PROBABLE CONSTRUCTION COST:					\$ 280,000.00
*ENGINEERING DESIGN (13.0%):					\$ 37,000.00
*CONSTRUCTION PHASE SERVICES (8.0%):					\$ 23,000.00
*TOTAL ESTIMATED PROJECT COST:					\$ 340,000.00

* Cost rounded up to nearest thousand.



SMOKE AVE. LIFT STATION





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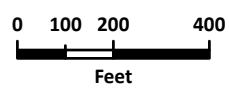
PS LS

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LS REHABILITATION
Priority

PS 16



SARALAND WATER AND SEWER SERVICE
Sanitary Sewer Collection System Master Plan
Lift Station
Priority Category 2 - Priority 16



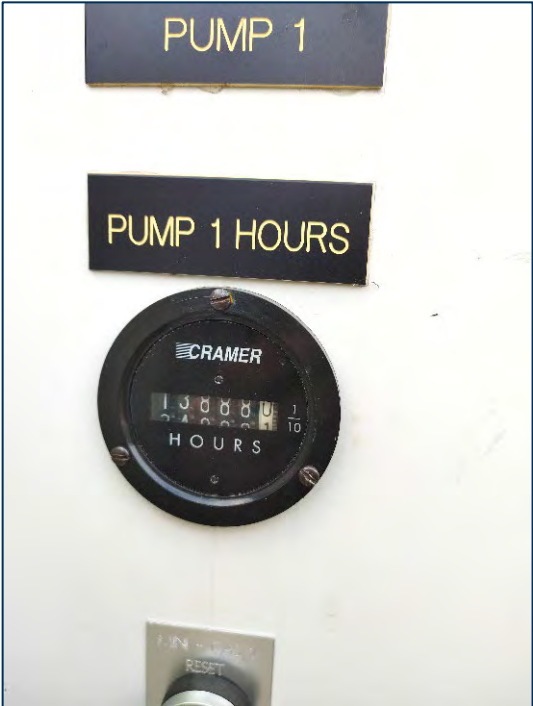
SARALAND WATER AND SEWER SERVICE
Sanitary Sewer Collection System Master Plan
Lift Stations
Preliminary Cost Estimate

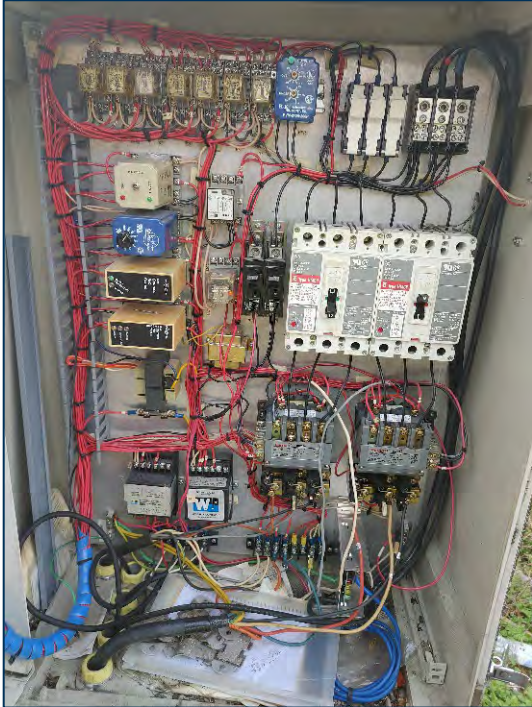
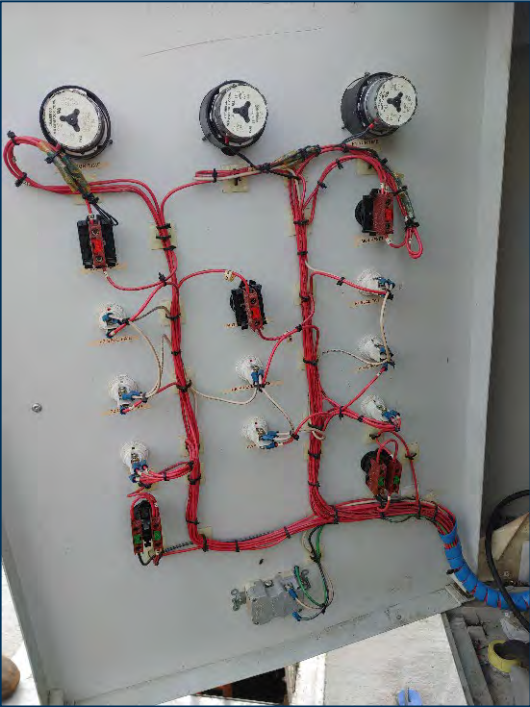
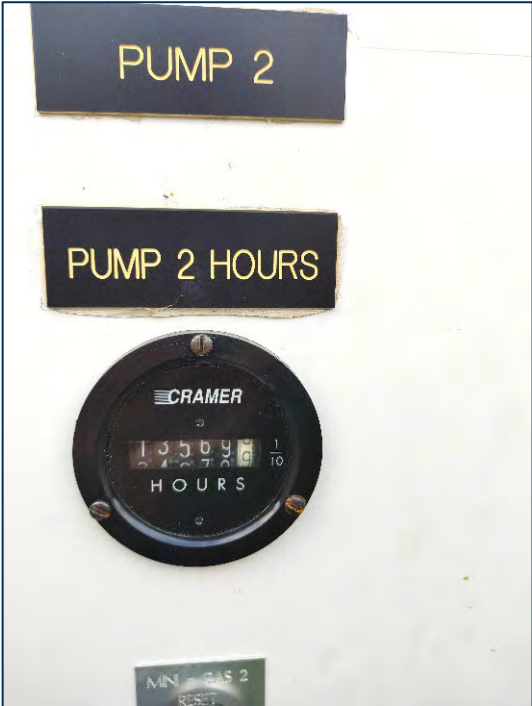
POPEYE'S LIFT STATION					
PRIORITY CATEGORY 2 - SHORT-TERM					
PRIORITY 16					
Item No.	Description	Unit	Approx. Quantities	Approx. Unit Price	Est. Cost
G-01	Mobilization and Demobilization (NTE 5% Construction Costs)	LS	1	\$ 12,045.69	\$ 12,045.69
G-02	General Demolition	LS	1	\$ 10,000.00	\$ 10,000.00
G-03	Temporary Bypass Pumping	LS	1	\$ 25,000.00	\$ 25,000.00
M-01	Piping and Valves	LS	1	\$ 20,000.00	\$ 20,000.00
M-02	Submersible Pumps (2 HP) and Controls	EA	2	\$ 15,000.00	\$ 30,000.00
M-03	Locking Access Hatches with Safety Grating and Hold-Open Arms	LS	1	\$ 10,000.00	\$ 10,000.00
S-01	Wet Well Inspection and Repair	SF	213	\$ 20.00	\$ 4,260.00
S-02	Wet Well Lining	SF	213	\$ 67.00	\$ 14,271.00
E-01	Electrical, Instrumentation, and Controls	LS	1	\$ 79,200.00	\$ 79,200.00
SUBTOTAL:					\$ 204,776.69
25% CONTINGENCY:					\$ 51,194.17
*TOTAL OPINION OF PROBABLE CONSTRUCTION COST:					\$ 256,000.00
*ENGINEERING DESIGN (13.0%):					\$ 34,000.00
*CONSTRUCTION PHASE SERVICES (8.0%):					\$ 21,000.00
*TOTAL ESTIMATED PROJECT COST:					\$ 311,000.00

* Cost rounded up to nearest thousand.

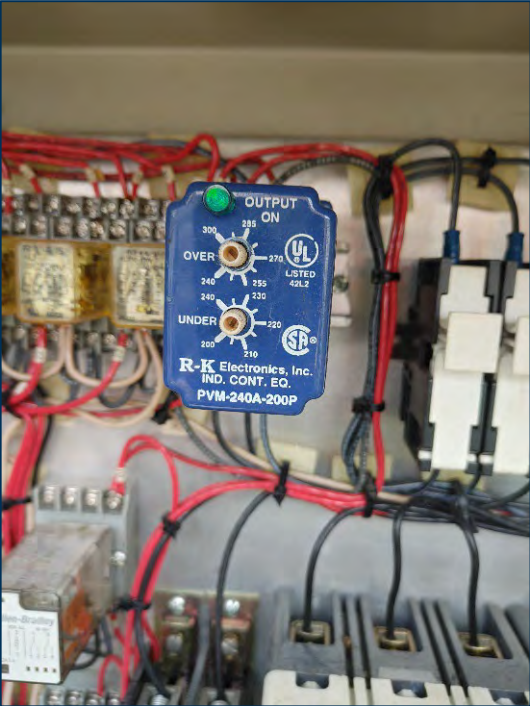


POPEYE'S LIFT STATION

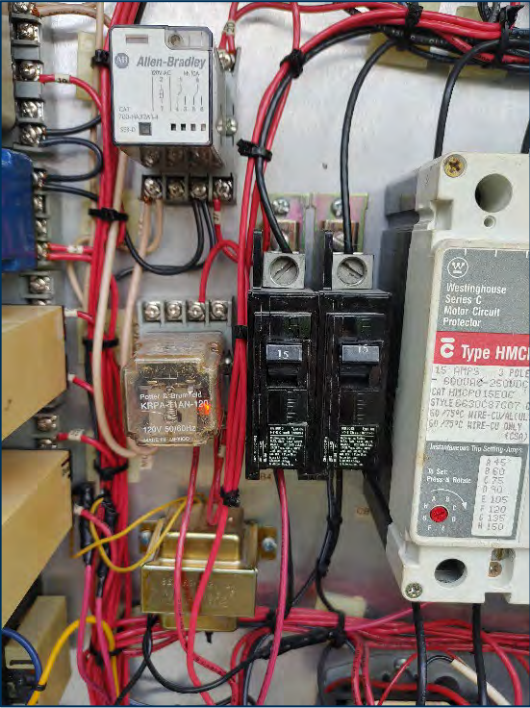


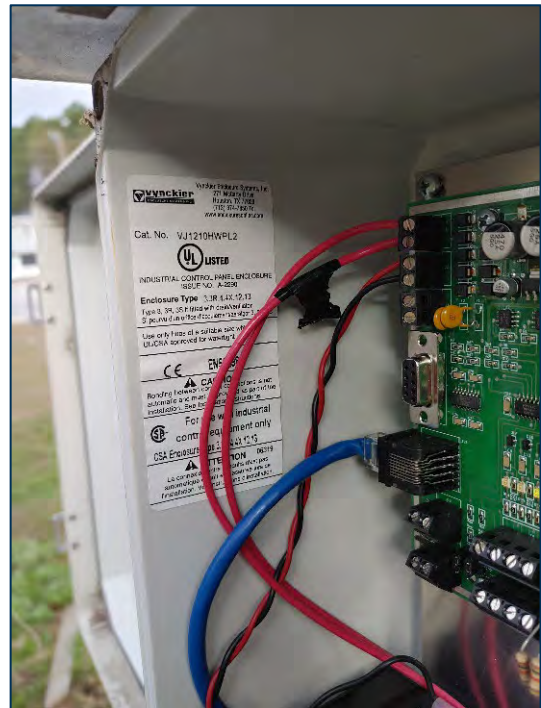
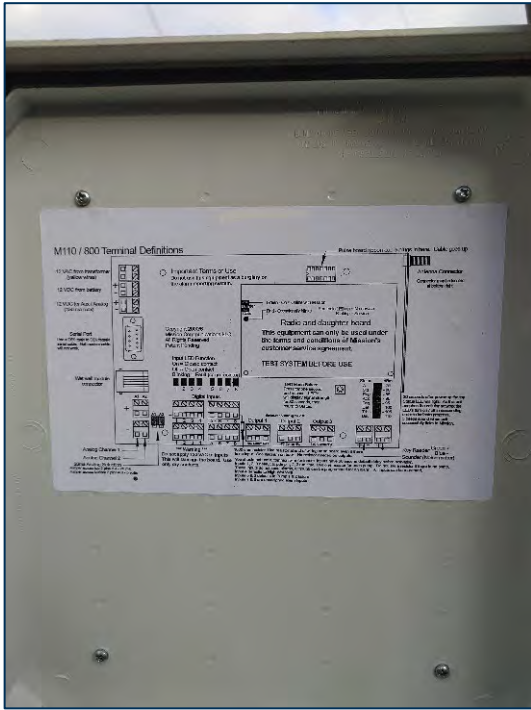


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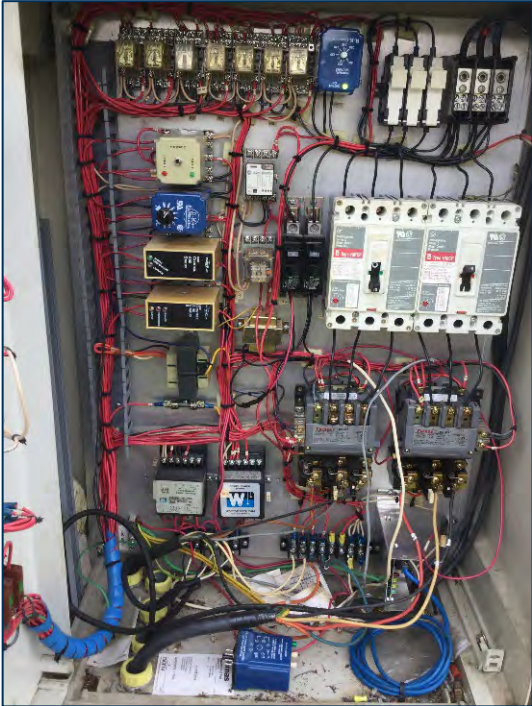
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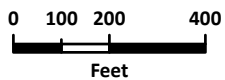
PRIORITY CATEGORY 3
INTERMEDIATE-TERM PRIORITY

LEGEND

- PS LS
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**LS REHABILITATION
Priority**

- PS 17



**SARALAND WATER AND SEWER SERVICE
Sanitary Sewer Collection System Master Plan
Lift Station
Priority Category 3 - Priority 17**



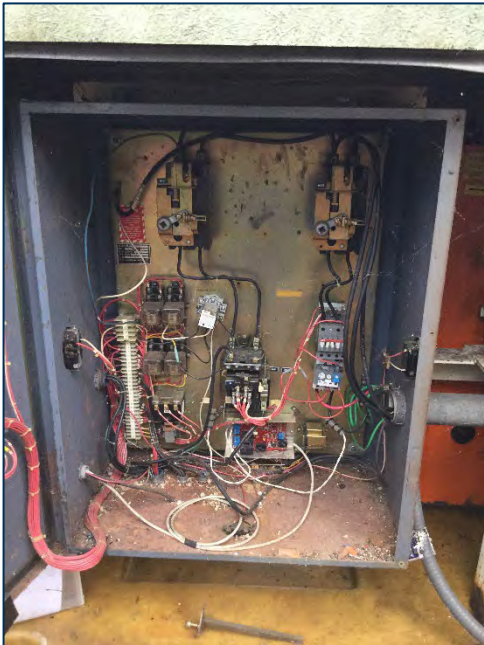
SARALAND WATER AND SEWER SERVICE
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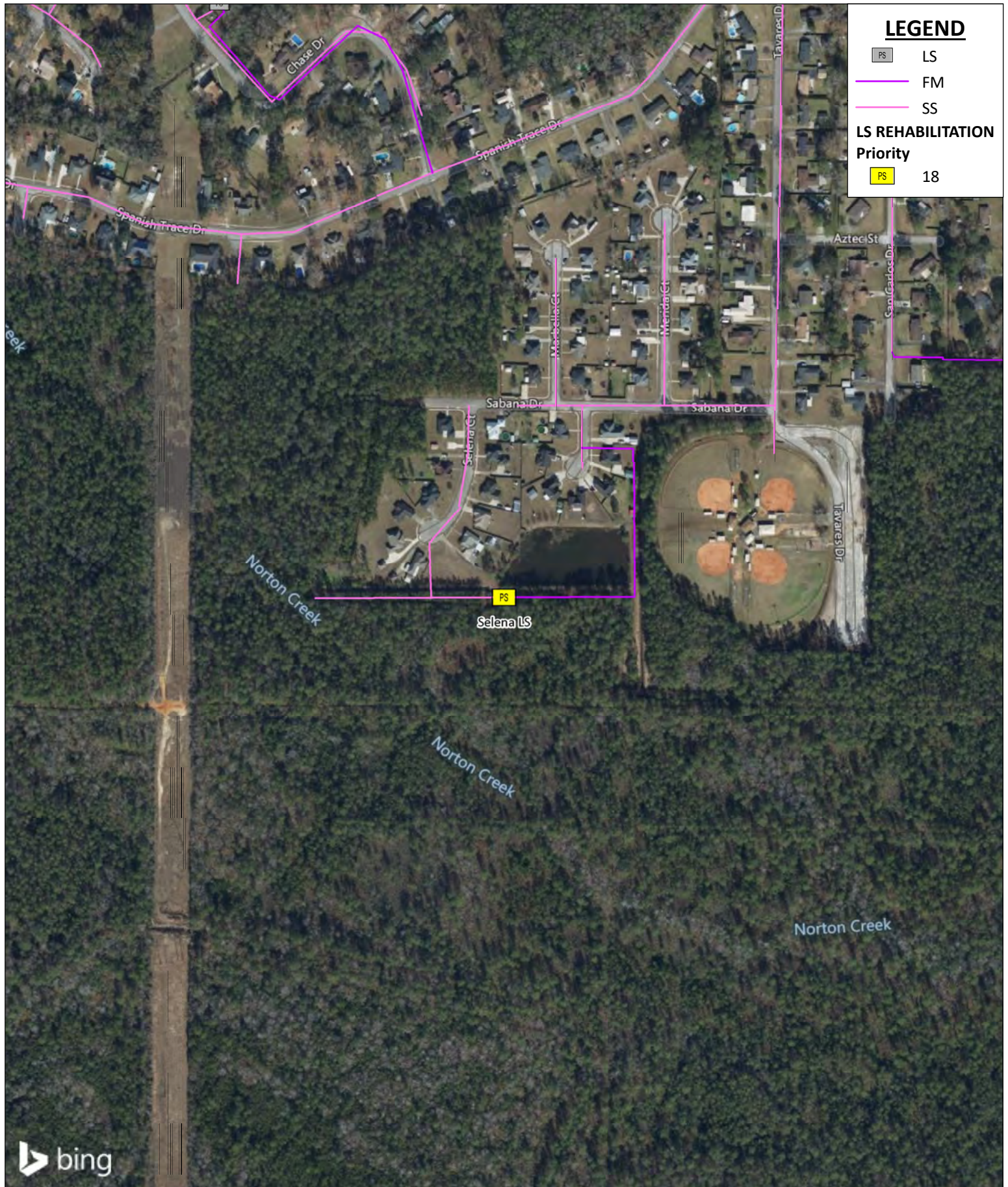
CAMELOT DR. LIFT STATION					
PRIORITY CATEGORY 3 - INTERMEDIATE					
PRIORITY 17					
Item No.	Description	Unit	Approx. Quantities	Approx. Unit Price	Est. Cost
G-01	Mobilization and Demobilization (NTE 5% Construction Costs)	LS	1	\$ 13,925.31	\$ 13,925.31
G-02	General Demolition	LS	1	\$ 10,000.00	\$ 10,000.00
G-03	Temporary Bypass Pumping	LS	1	\$ 25,000.00	\$ 25,000.00
M-01	Piping and Valves	LS	1	\$ 20,000.00	\$ 20,000.00
M-02	Submersible Pumps (5 HP) and Controls	EA	2	\$ 21,250.00	\$ 42,500.00
M-03	Locking Access Hatches with Safety Grating and Hold-Open Arms	LS	1	\$ 10,000.00	\$ 10,000.00
S-01	Wet Well Inspection and Repair	SF	415	\$ 20.00	\$ 8,300.00
S-02	Wet Well Lining	SF	415	\$ 67.00	\$ 27,805.00
E-01	Electrical, Instrumentation, and Controls	LS	1	\$ 79,200.00	\$ 79,200.00
SUBTOTAL:					\$ 236,730.31
25% CONTINGENCY:					\$ 59,182.58
*TOTAL OPINION OF PROBABLE CONSTRUCTION COST:					\$ 296,000.00
*ENGINEERING DESIGN (13.0%):					\$ 39,000.00
*CONSTRUCTION PHASE SERVICES (8.0%):					\$ 24,000.00
*TOTAL ESTIMATED PROJECT COST:					\$ 359,000.00

* Cost rounded up to nearest thousand.






CAMELOT DR. LIFT STATION




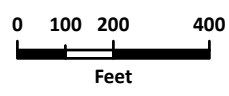


LEGEND

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**LS REHABILITATION
Priority**

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SARALAND WATER AND SEWER SERVICE
Sanitary Sewer Collection System Master Plan
Lift Station
Priority Category 3 - Priority 18



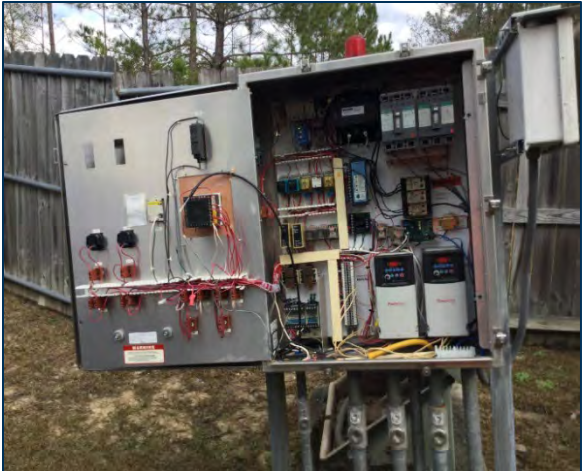
SARALAND WATER AND SEWER SERVICE
Sanitary Sewer Collection System Master Plan
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SELENA DR. LIFT STATION					
PRIORITY CATEGORY 2 - INTERMEDIATE-TERM					
PRIORITY 18					
Item No.	Description	Unit	Approx. Quantities	Approx. Unit Price	Est. Cost
G-01	Mobilization and Demobilization (NTE 5% Construction Costs)	LS	1	\$ 19,753.06	\$ 19,753.06
G-02	General Demolition	LS	1	\$ 10,000.00	\$ 10,000.00
G-03	Temporary Bypass Pumping	LS	1	\$ 25,000.00	\$ 25,000.00
M-01	Piping and Valves	LS	1	\$ 20,000.00	\$ 20,000.00
M-02	Submersible Pumps (3 HP) and Controls	EA	2	\$ 19,500.00	\$ 39,000.00
M-03	Locking Access Hatches with Safety Grating and Hold-Open Arms	LS	1	\$ 10,000.00	\$ 10,000.00
S-01	Wet Well Inspection and Repair	SF	1527	\$ 20.00	\$ 30,540.00
S-02	Wet Well Lining	SF	1527	\$ 67.00	\$ 102,309.00
E-01	Electrical, Instrumentation, and Controls	LS	1	\$ 79,200.00	\$ 79,200.00
SUBTOTAL:					\$ 335,802.06
25% CONTINGENCY:					\$ 83,950.52
*TOTAL OPINION OF PROBABLE CONSTRUCTION COST:					\$ 420,000.00
*ENGINEERING DESIGN (13.0%):					\$ 55,000.00
*CONSTRUCTION PHASE SERVICES (8.0%):					\$ 34,000.00
*TOTAL ESTIMATED PROJECT COST:					\$ 509,000.00

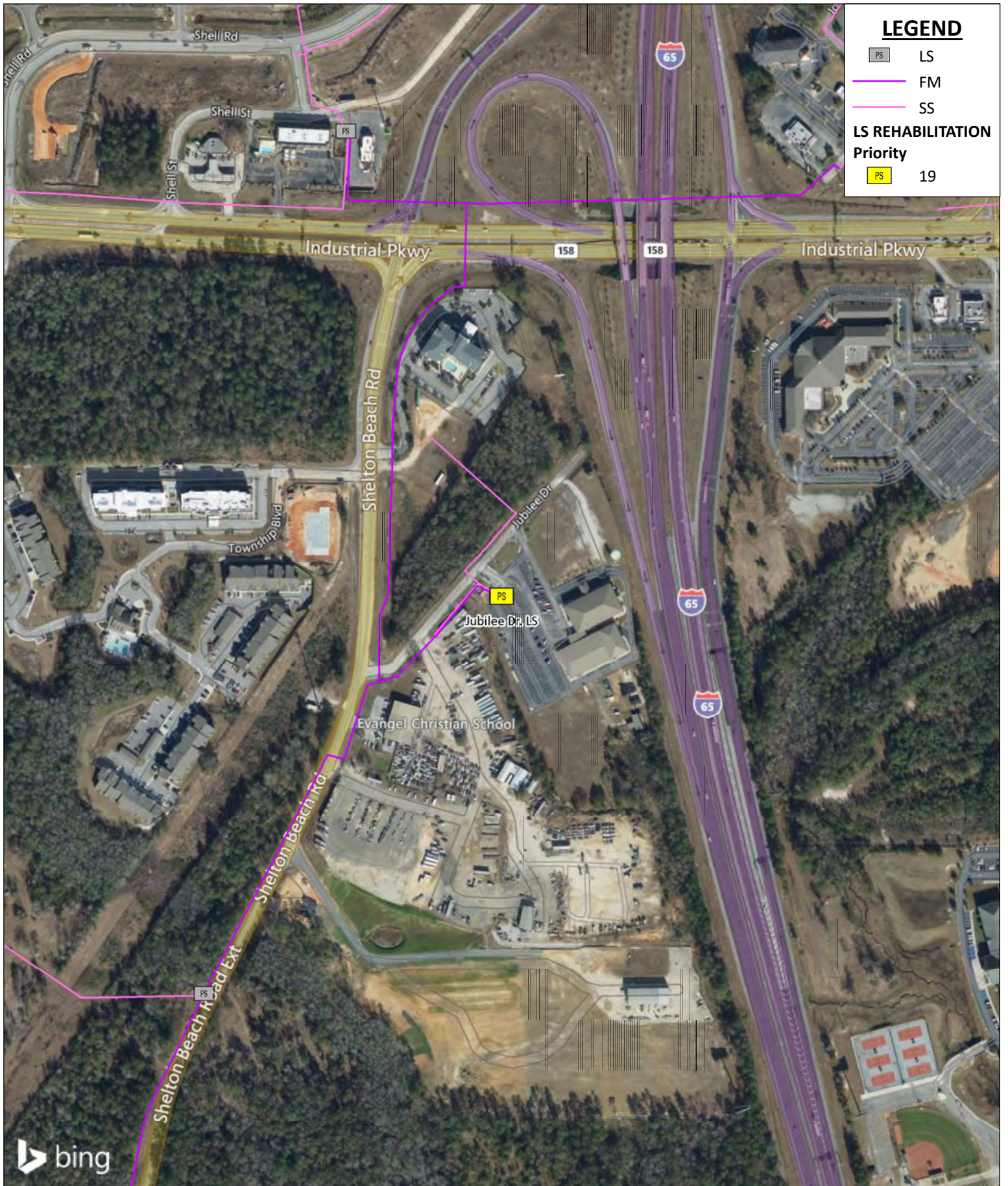
* Cost rounded up to nearest thousand.



SELENA LIFT STATION







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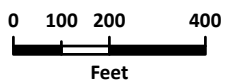
SS

LS REHABILITATION

Priority

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SARALAND WATER AND SEWER SERVICE
Sanitary Sewer Collection System Master Plan
Lift Station
Priority Category 3 - Priority 19



SARALAND WATER AND SEWER SERVICE
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JUBILEE DR. LIFT STATION					
PRIORITY CATEGORY 3 - INTERMEDIATE-TERM					
PRIORITY 19					
Item No.	Description	Unit	Approx. Quantities	Approx. Unit Price	Est. Cost
G-01	Mobilization and Demobilization (NTE 5% Construction Costs)	LS	1	\$ 13,706.56	\$ 13,706.56
G-02	General Demolition	LS	1	\$ 10,000.00	\$ 10,000.00
G-03	Temporary Bypass Pumping	LS	1	\$ 25,000.00	\$ 25,000.00
M-01	Piping and Valves	LS	1	\$ 20,000.00	\$ 20,000.00
M-02	Submersible Pumps (3 HP) and Controls	EA	2	\$ 19,500.00	\$ 39,000.00
M-03	Locking Access Hatches with Safety Grating and Hold-Open Arms	LS	1	\$ 10,000.00	\$ 10,000.00
S-01	Wet Well Inspection and Repair	SF	415	\$ 20.00	\$ 8,300.00
S-02	Wet Well Lining	SF	415	\$ 67.00	\$ 27,805.00
E-01	Electrical, Instrumentation, and Controls	LS	1	\$ 79,200.00	\$ 79,200.00
SUBTOTAL:					\$ 233,011.56
25% CONTINGENCY:					\$ 58,252.89
*TOTAL OPINION OF PROBABLE CONSTRUCTION COST:					\$ 292,000.00
*ENGINEERING DESIGN (13.0%):					\$ 38,000.00
*CONSTRUCTION PHASE SERVICES (8.0%):					\$ 24,000.00
*TOTAL ESTIMATED PROJECT COST:					\$ 354,000.00

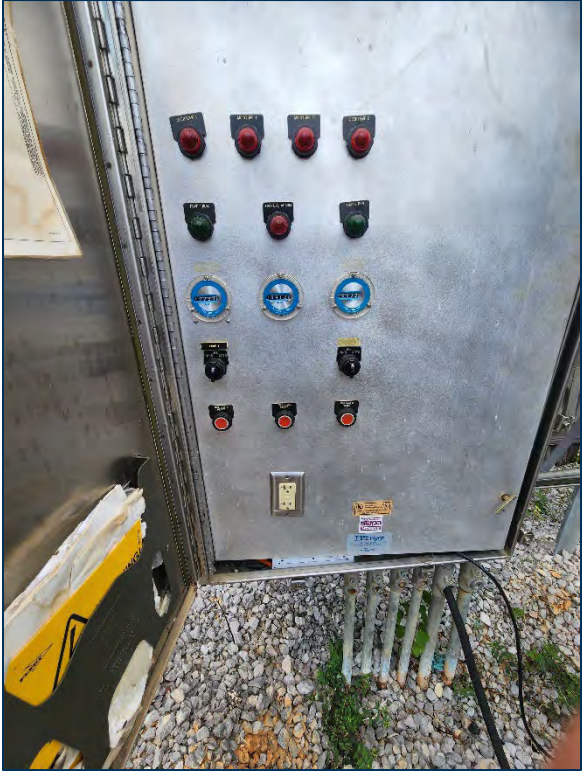
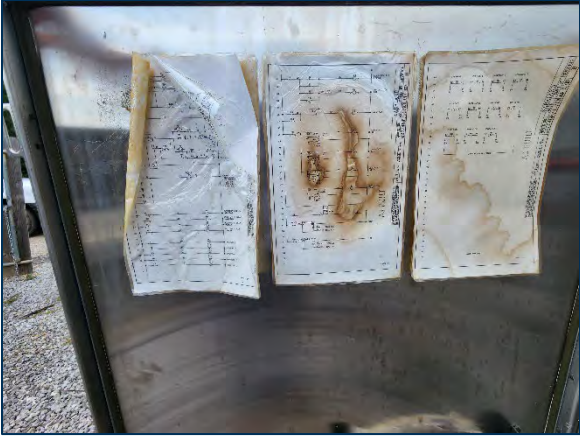
* Cost rounded up to nearest thousand.



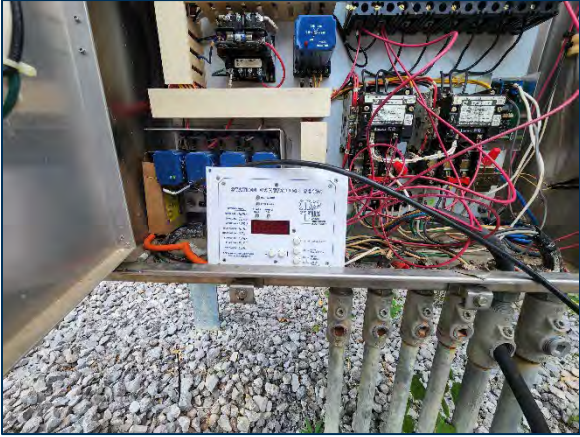
JUBILEE DR. LIFT STATION

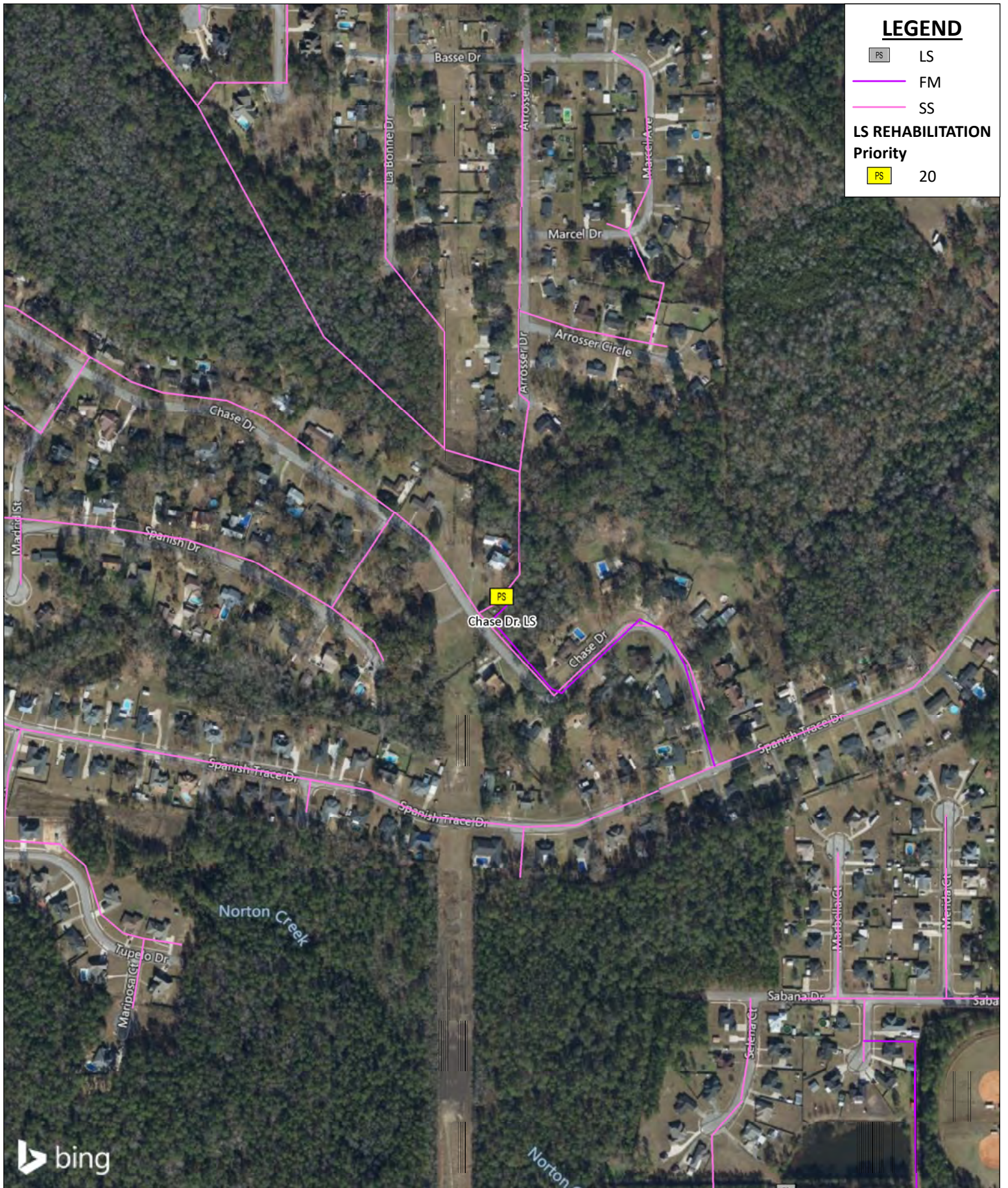


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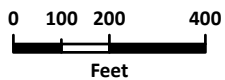
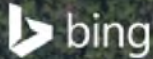
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LEGEND

	LS
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LS REHABILITATION	
Priority	
	20



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Priority Category 3 - Priority 20



SARALAND WATER AND SEWER SERVICE
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CHASE DR. LIFT STATION PRIORITY CATEGORY 3 - INTERMEDIATE PRIORITY 20					
Item No.	Description	Unit	Approx. Quantities	Approx. Unit Price	Est. Cost
G-01	Mobilization and Demobilization (NTE 5% Construction Costs)	LS	1	\$ 17,392.44	\$ 17,392.44
G-02	General Demolition	LS	1	\$ 10,000.00	\$ 10,000.00
G-03	Temporary Bypass Pumping	LS	1	\$ 25,000.00	\$ 25,000.00
M-01	Piping and Valves	LS	1	\$ 20,000.00	\$ 20,000.00
M-02	Submersible Pumps (15 HP) and Controls	EA	2	\$ 34,000.00	\$ 68,000.00
M-03	Locking Access Hatches with Safety Grating and Hold-Open Arms	LS	1	\$ 10,000.00	\$ 10,000.00
S-01	Wet Well Inspection and Repair	SF	817	\$ 20.00	\$ 16,340.00
S-02	Wet Well Lining	SF	817	\$ 67.00	\$ 54,739.00
E-01	Electrical, Instrumentation, and Controls	LS	1	\$ 74,200.00	\$ 74,200.00
SUBTOTAL:					\$ 295,671.44
25% CONTINGENCY:					\$ 73,917.86
*TOTAL OPINION OF PROBABLE CONSTRUCTION COST:					\$ 370,000.00
*ENGINEERING DESIGN (13.0%):					\$ 49,000.00
*CONSTRUCTION PHASE SERVICES (8.0%):					\$ 30,000.00
*TOTAL ESTIMATED PROJECT COST:					\$ 449,000.00

* Cost rounded up to nearest thousand.



CHASE DR. LIFT STATION



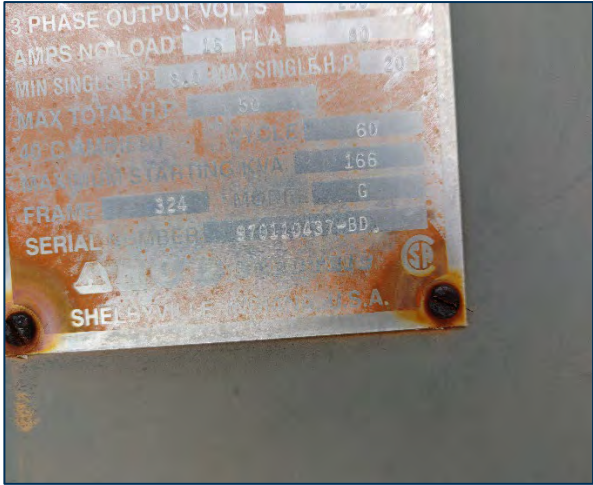
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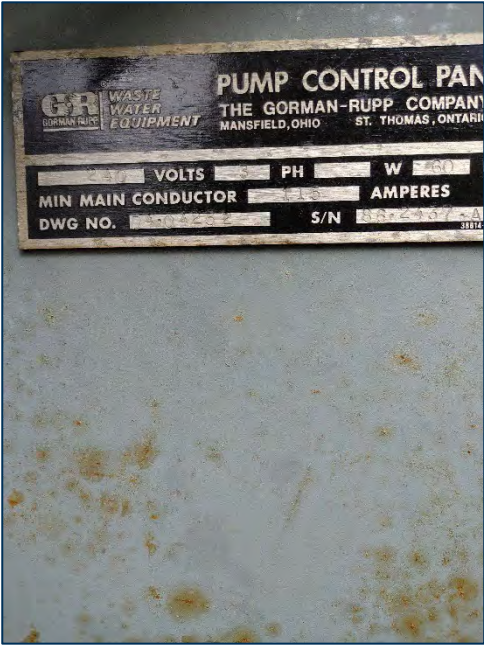
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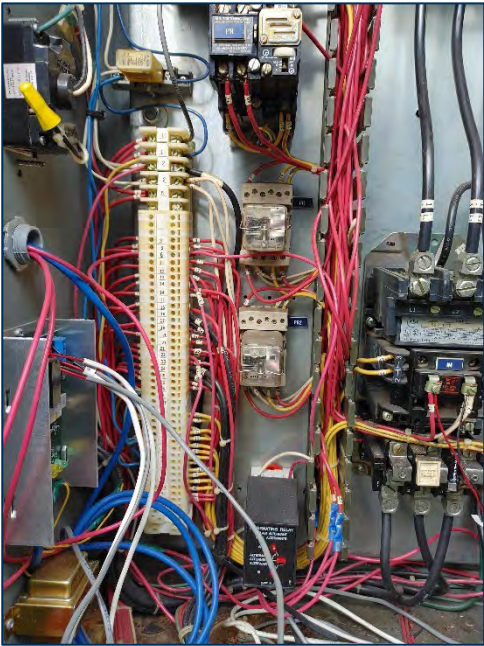
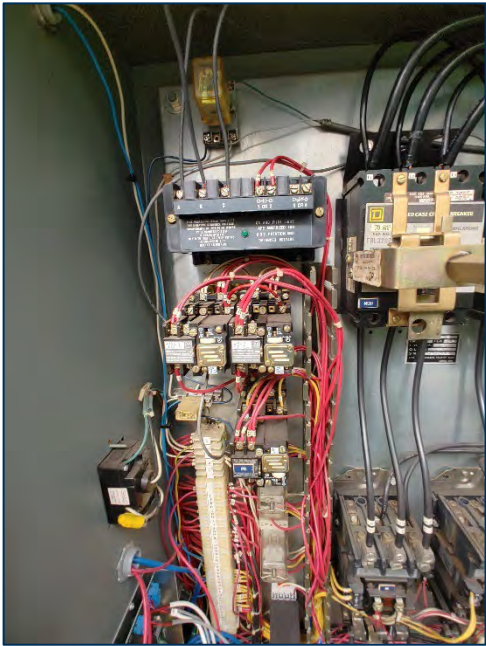
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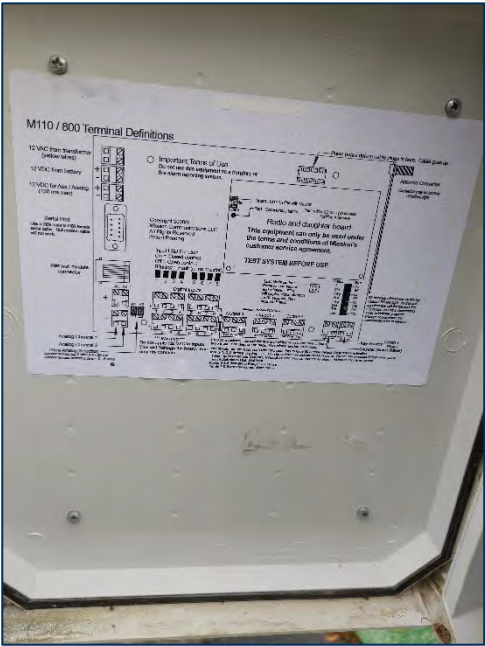
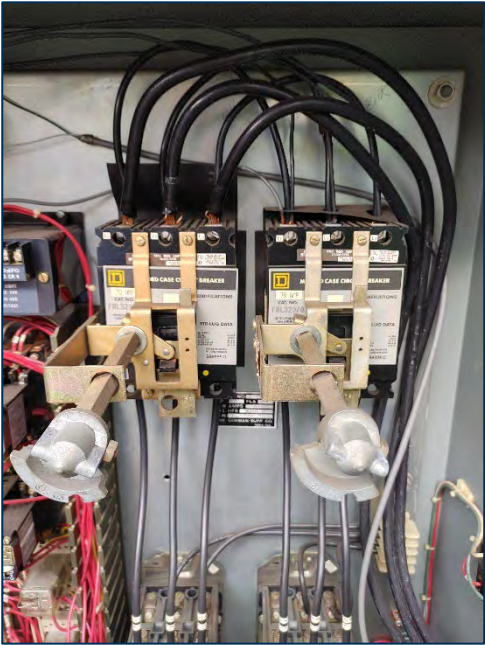
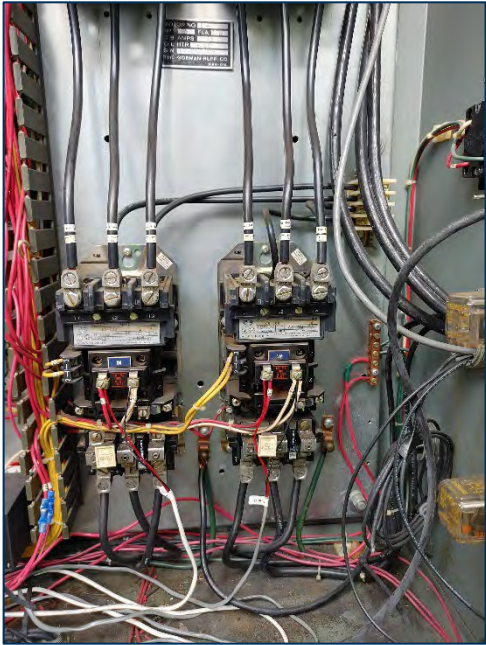
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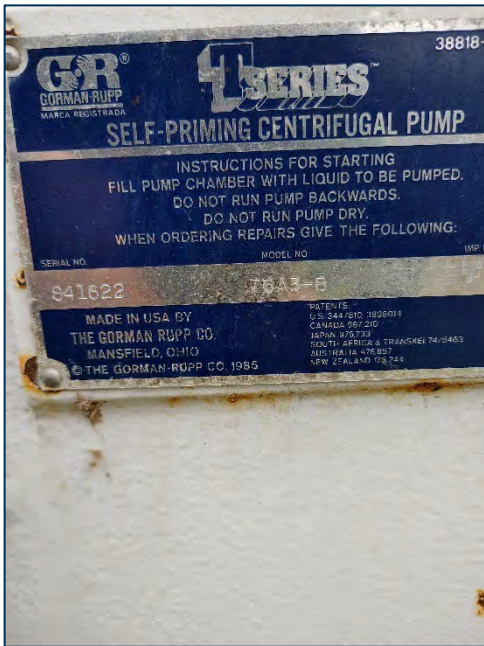
**BOARD OF WATER AND SEWER COMMISSIONERS OF THE CITY OF SARALAND
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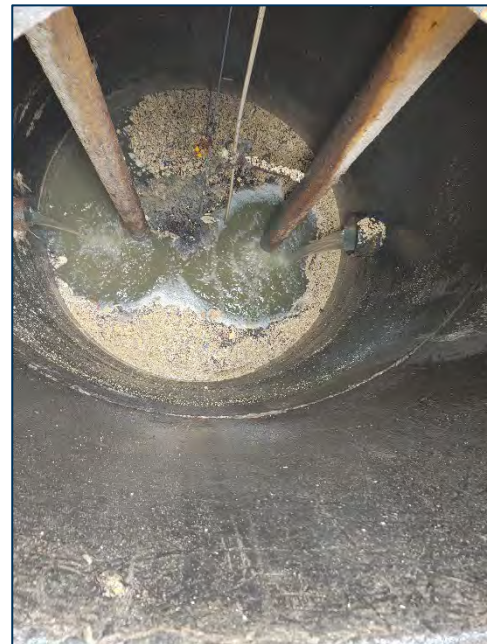
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BOARD OF WATER AND SEWER COMMISSIONERS OF THE CITY OF SARALAND
SANITARY SEWER COLLECTION SYSTEM MASTER PLAN
FINAL REPORT
JUNE 2022



BOARD OF WATER AND SEWER COMMISSIONERS OF THE CITY OF SARALAND
SANITARY SEWER COLLECTION SYSTEM MASTER PLAN
FINAL REPORT
JUNE 2022



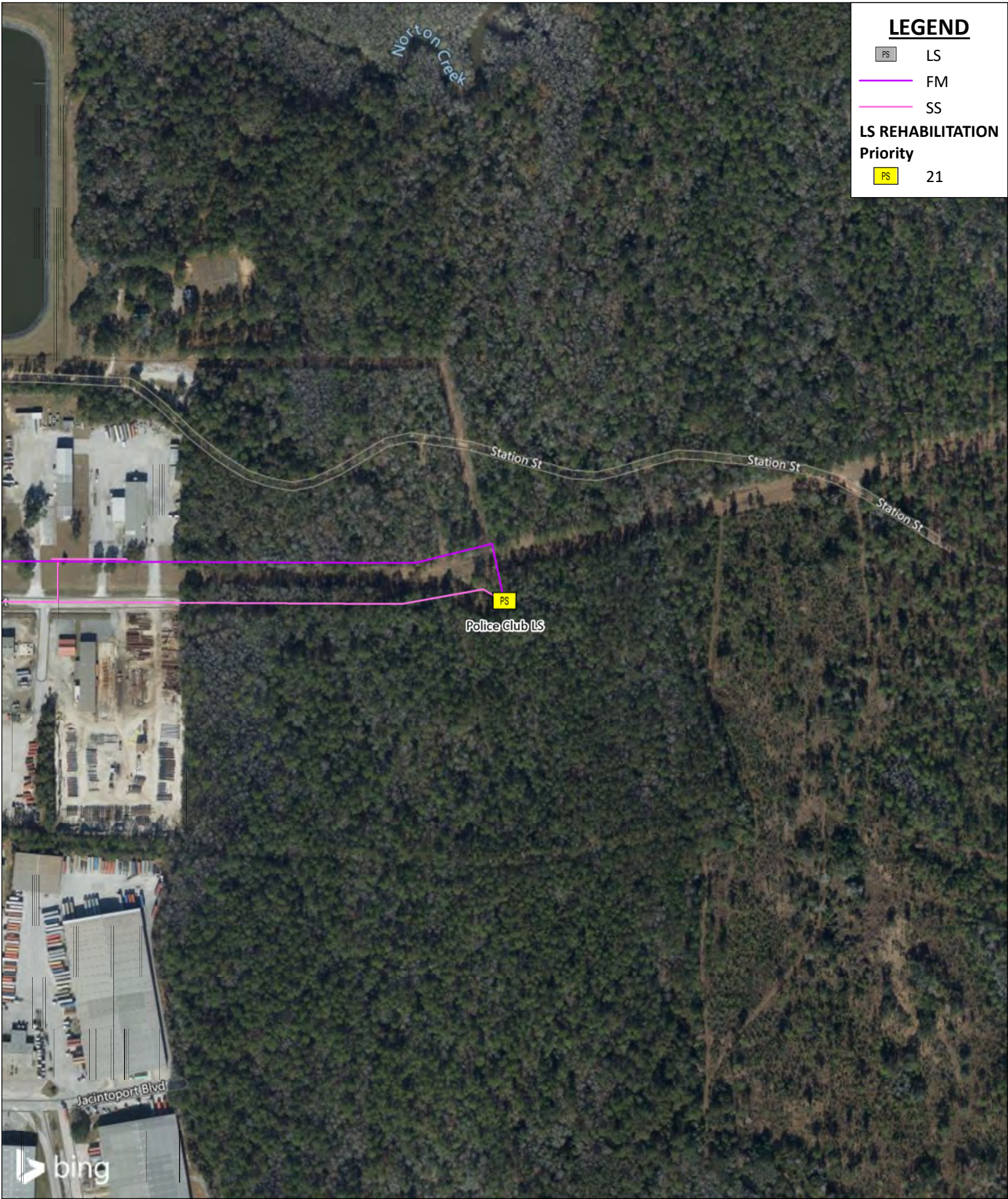


BOARD OF WATER AND SEWER COMMISSIONERS OF THE CITY OF SARALAND
SANITARY SEWER COLLECTION SYSTEM MASTER PLAN
FINAL REPORT
JUNE 2022



**BOARD OF WATER AND SEWER COMMISSIONERS OF THE CITY OF SARALAND
SANITARY SEWER COLLECTION SYSTEM MASTER PLAN
FINAL REPORT
JUNE 2022**





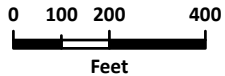
LEGEND

- PS LS
- FM
- SS

**LS REHABILITATION
Priority**

- PS 21

Police Club LS



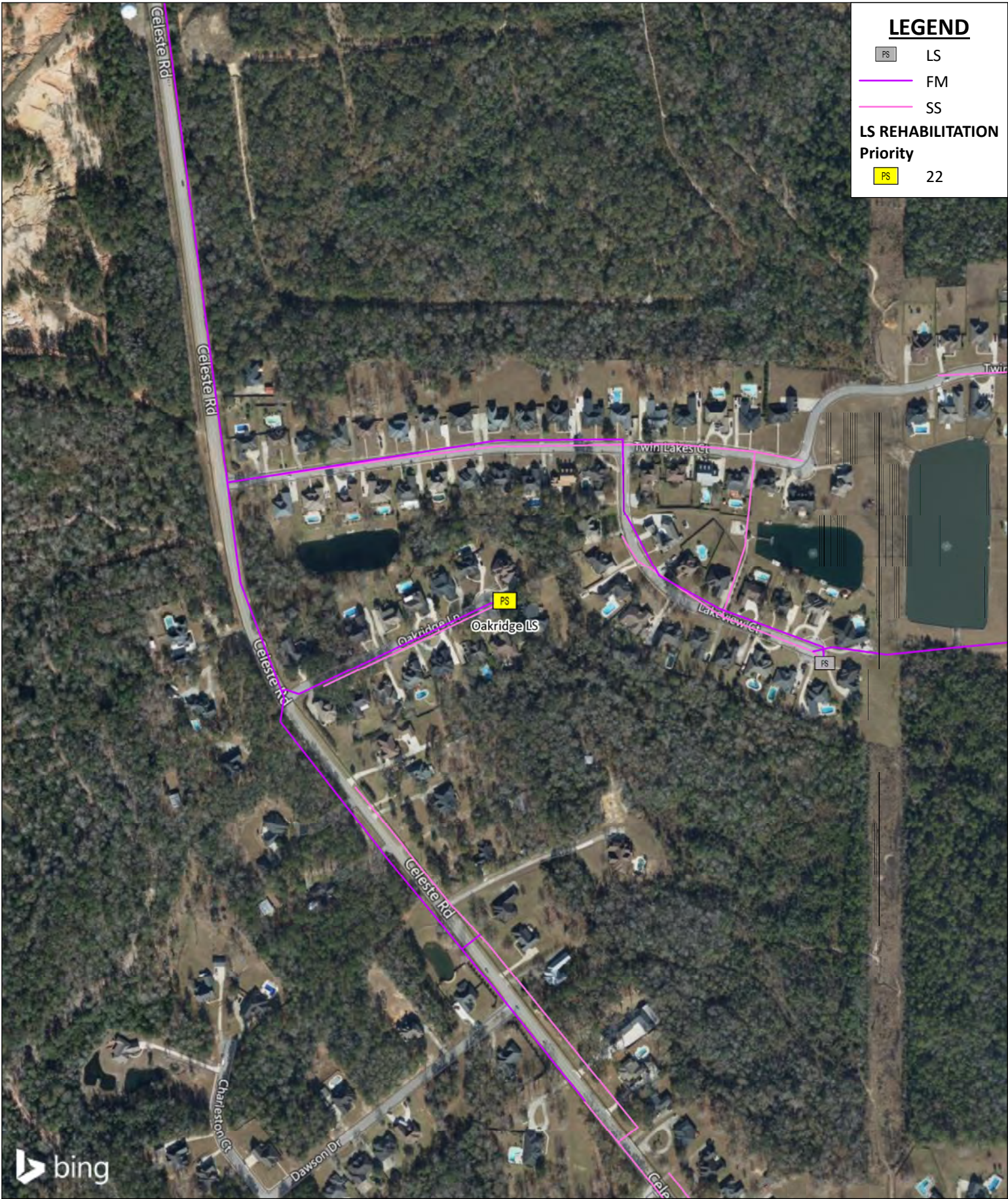
SARALAND WATER AND SEWER SERVICE
Sanitary Sewer Collection System Master Plan
Lift Station
Priority Category 3 - Priority 21



SARALAND WATER AND SEWER SERVICE
Sanitary Sewer Collection System Master Plan
Lift Stations
Preliminary Cost Estimate

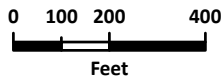
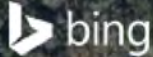
POLICE CLUB LIFT STATION					
PRIORITY CATEGORY 3 - INTERMEDIATE-TERM					
PRIORITY 21					
Item No.	Description	Unit	Approx. Quantities	Approx. Unit Price	Est. Cost
G-01	Mobilization and Demobilization (NTE 5% Construction Costs)	LS	1	\$ 14,684.88	\$ 14,684.88
G-02	General Demolition	LS	1	\$ 10,000.00	\$ 10,000.00
G-03	Temporary Bypass Pumping	LS	1	\$ 25,000.00	\$ 25,000.00
M-01	Piping and Valves	LS	1	\$ 20,000.00	\$ 20,000.00
M-02	Submersible Pumps (10 HP) and Controls	EA	2	\$ 26,000.00	\$ 52,000.00
M-03	Locking Access Hatches with Safety Grating and Hold-Open Arms	LS	1	\$ 10,000.00	\$ 10,000.00
S-01	Wet Well Inspection and Repair	SF	434	\$ 20.00	\$ 8,680.00
S-02	Wet Well Lining	SF	434	\$ 67.00	\$ 29,078.00
E-01	Electrical, Instrumentation, and Controls	LS	1	\$ 80,200.00	\$ 80,200.00
SUBTOTAL:					\$ 249,642.88
25% CONTINGENCY:					\$ 62,410.72
*TOTAL OPINION OF PROBABLE CONSTRUCTION COST:					\$ 313,000.00
*ENGINEERING DESIGN (13.0%):					\$ 41,000.00
*CONSTRUCTION PHASE SERVICES (8.0%):					\$ 26,000.00
*TOTAL ESTIMATED PROJECT COST:					\$ 380,000.00

* Cost rounded up to nearest thousand.



LEGEND

PS	LS
—	FM
—	SS
LS REHABILITATION Priority	
PS	22



SARALAND WATER AND SEWER SERVICE
Sanitary Sewer Collection System Master Plan
Lift Station
Priority Category 3 - Priority 22



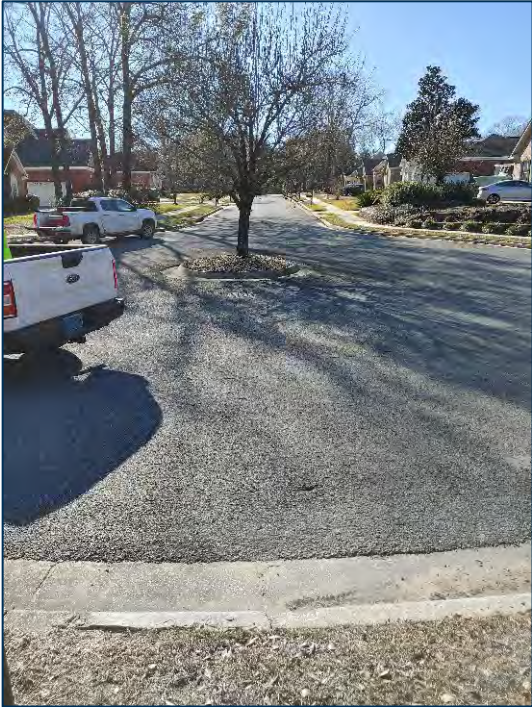
SARALAND WATER AND SEWER SERVICE
Sanitary Sewer Collection System Master Plan
Lift Stations
Preliminary Cost Estimate

OAKRIDGE LIFT STATION					
PRIORITY CATEGORY 3 - INTERMEDIATE-TERM					
PRIORITY 22					
Item No.	Description	Unit	Approx. Quantities	Approx. Unit Price	Est. Cost
G-01	Mobilization and Demobilization (NTE 5% Construction Costs)	LS	1	\$ 11,686.81	\$ 11,686.81
G-02	General Demolition	LS	1	\$ 10,000.00	\$ 10,000.00
G-03	Temporary Bypass Pumping	LS	1	\$ 25,000.00	\$ 25,000.00
M-01	Piping and Valves	LS	1	\$ 20,000.00	\$ 20,000.00
M-02	Submersible Pumps (2 HP) and Controls	EA	2	\$ 15,000.00	\$ 30,000.00
M-03	Locking Access Hatches with Safety Grating and Hold-Open Arms	LS	1	\$ 10,000.00	\$ 10,000.00
S-01	Wet Well Inspection and Repair	SF	147	\$ 20.00	\$ 2,940.00
S-02	Wet Well Lining	SF	147	\$ 67.00	\$ 9,849.00
E-01	Electrical, Instrumentation, and Controls	LS	1	\$ 79,200.00	\$ 79,200.00
SUBTOTAL:					\$ 198,675.81
25% CONTINGENCY:					\$ 49,668.95
*TOTAL OPINION OF PROBABLE CONSTRUCTION COST:					\$ 249,000.00
*ENGINEERING DESIGN (13.0%):					\$ 33,000.00
*CONSTRUCTION PHASE SERVICES (8.0%):					\$ 20,000.00
*TOTAL ESTIMATED PROJECT COST:					\$ 302,000.00

* Cost rounded up to nearest thousand.



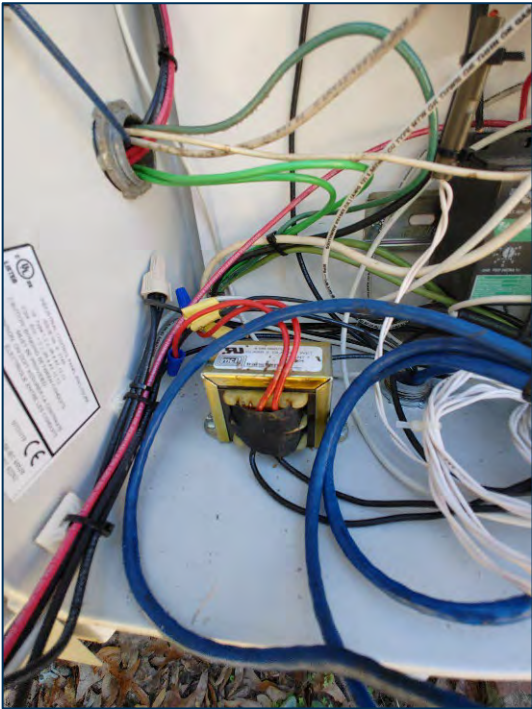
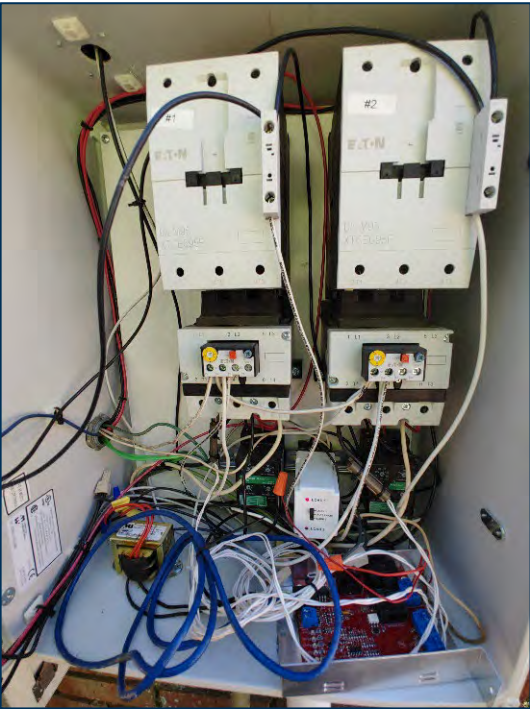
OAKRIDGE LIFT STATION

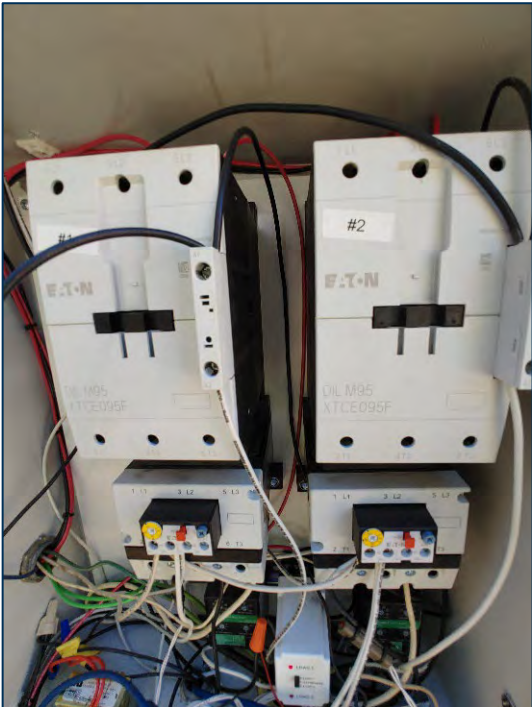


BOARD OF WATER AND SEWER COMMISSIONERS OF THE CITY OF SARALAND
SANITARY SEWER COLLECTION SYSTEM MASTER PLAN
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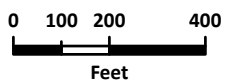
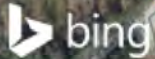
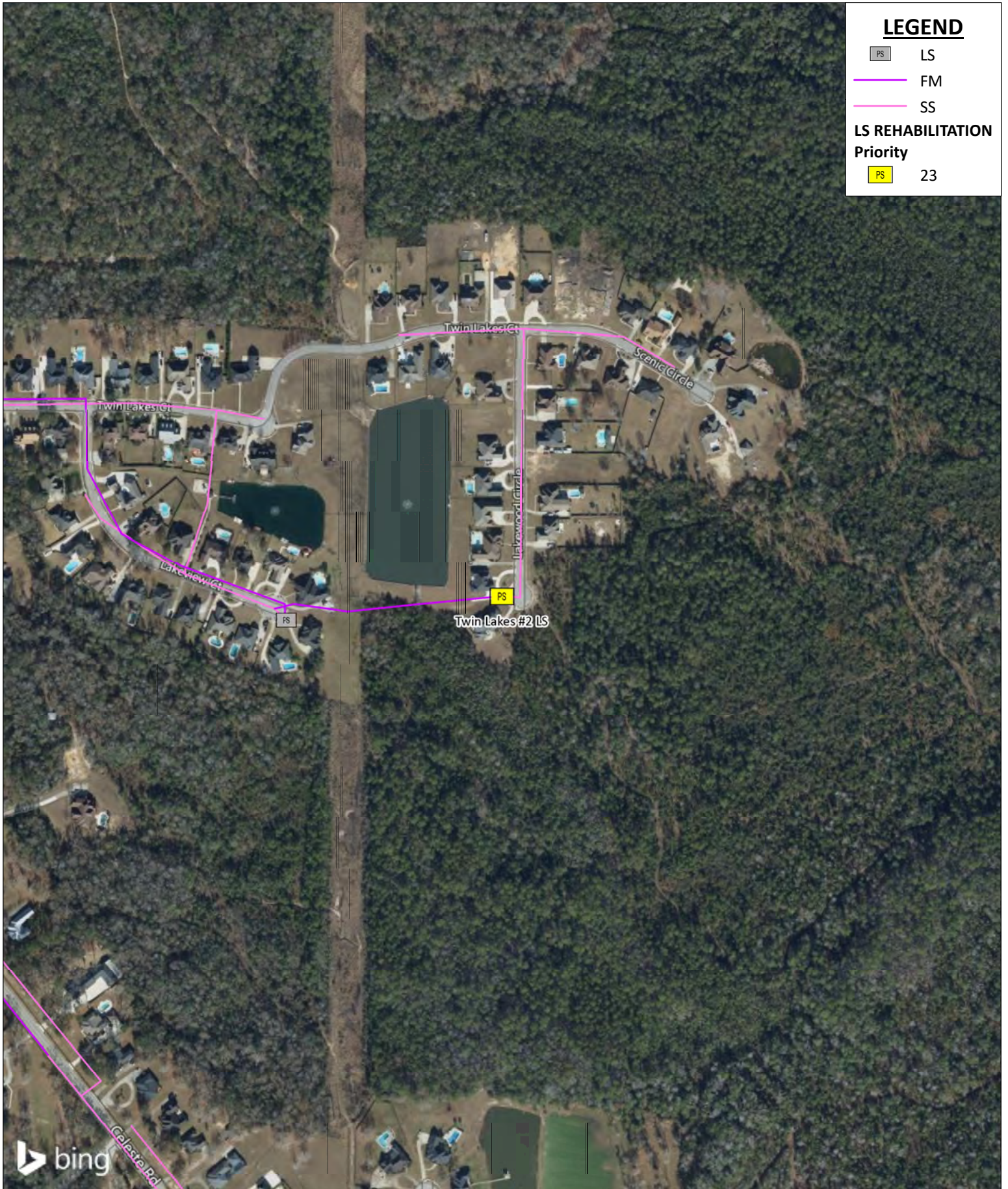


LEGEND

- PS LS
- FM
- SS

**LS REHABILITATION
Priority**

- PS 23



SARALAND WATER AND SEWER SERVICE
Sanitary Sewer Collection System Master Plan
Lift Station
Priority Category 3 - Priority 23



SARALAND WATER AND SEWER SERVICE
Sanitary Sewer Collection System Master Plan
Lift Stations
Preliminary Cost Estimate

TWIN LAKES 2 LIFT STATION					
PRIORITY CATEGORY 3 - INTERMEDIATE-TERM					
PRIORITY 23					
Item No.	Description	Unit	Approx. Quantities	Approx. Unit Price	Est. Cost
G-01	Mobilization and Demobilization (NTE 5% Construction Costs)	LS	1	\$ 12,613.63	\$ 12,613.63
G-02	General Demolition	LS	1	\$ 10,000.00	\$ 10,000.00
G-03	Temporary Bypass Pumping	LS	1	\$ 25,000.00	\$ 25,000.00
M-01	Piping and Valves	LS	1	\$ 20,000.00	\$ 20,000.00
M-02	Submersible Pumps (3 HP) and Controls	EA	2	\$ 19,500.00	\$ 39,000.00
M-03	Locking Access Hatches with Safety Grating and Hold-Open Arms	LS	1	\$ 10,000.00	\$ 10,000.00
S-01	Wet Well Inspection and Repair	SF	214	\$ 20.00	\$ 4,280.00
S-02	Wet Well Lining	SF	214	\$ 67.00	\$ 14,338.00
E-01	Electrical, Instrumentation, and Controls	LS	1	\$ 79,200.00	\$ 79,200.00
SUBTOTAL:					\$ 214,431.63
25% CONTINGENCY:					\$ 53,607.91
*TOTAL OPINION OF PROBABLE CONSTRUCTION COST:					\$ 269,000.00
*ENGINEERING DESIGN (13.0%):					\$ 35,000.00
*CONSTRUCTION PHASE SERVICES (8.0%):					\$ 22,000.00
*TOTAL ESTIMATED PROJECT COST:					\$ 326,000.00

* Cost rounded up to nearest thousand.



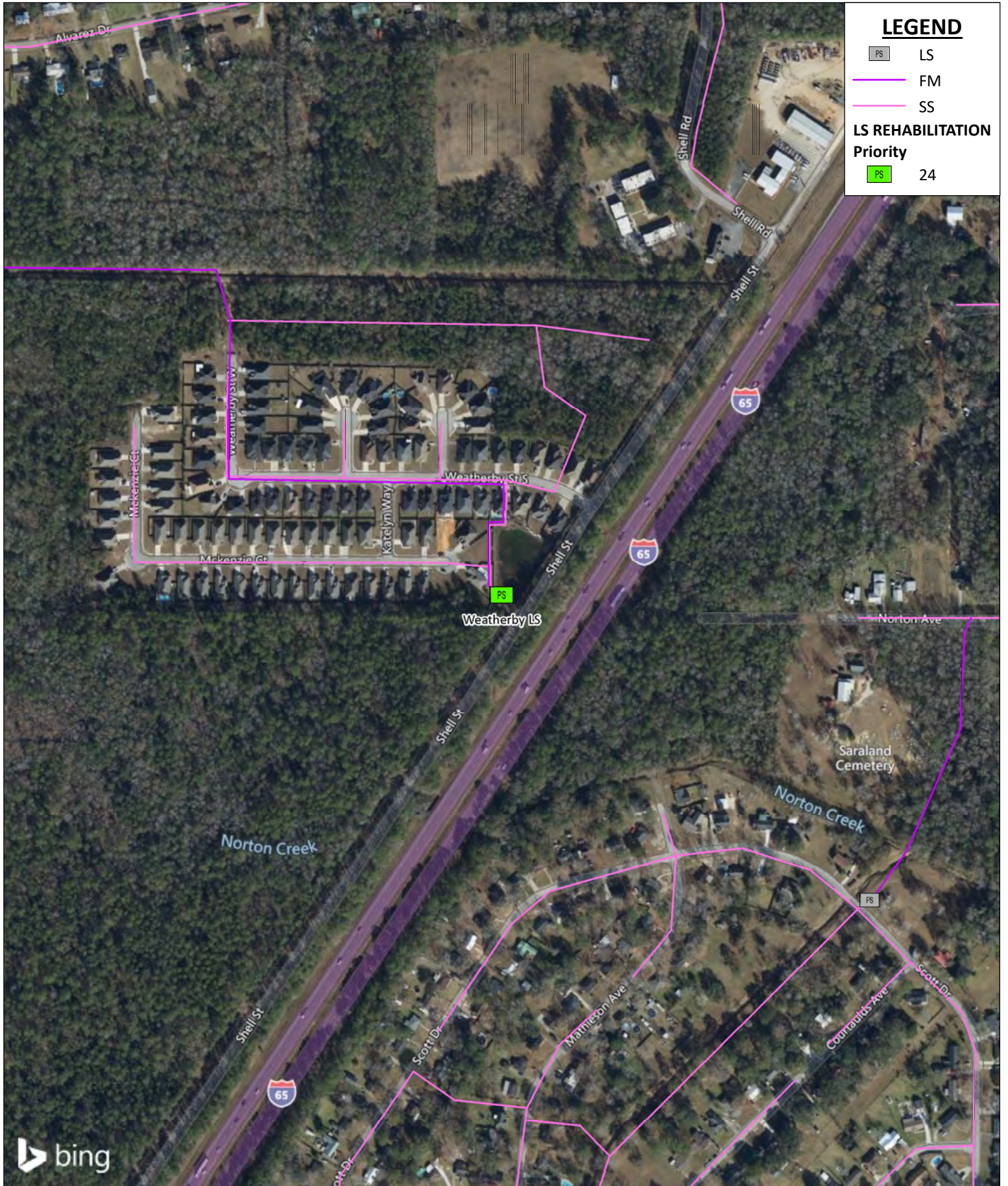
TWIN LAKES #2 LIFT STATION







PRIORITY CATEGORY 4
LONG-TERM/MONITOR PRIORITY



LEGEND

PS LS

FM

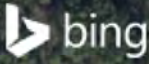
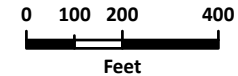
SS

LS REHABILITATION

Priority

PS 24

SARALAND WATER AND SEWER SERVICE
Sanitary Sewer Collection System Master Plan
Lift Station
Priority Category 4 - Priority 24



SARALAND WATER AND SEWER SERVICE
Sanitary Sewer Collection System Master Plan
Lift Stations
Preliminary Cost Estimate

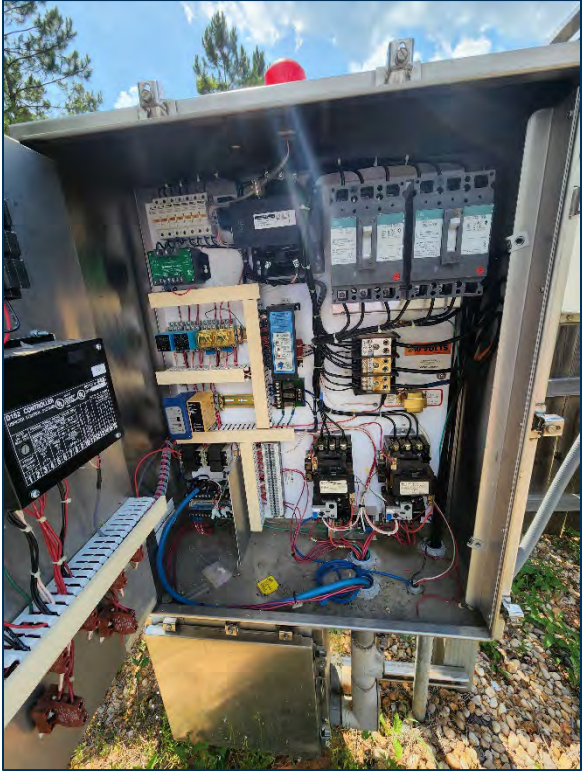
WEATHERBY LIFT STATION					
PRIORITY CATEGORY 4 - LONG-TERM/MONITOR					
PRIORITY 24					
Item No.	Description	Unit	Approx. Quantities	Approx. Unit Price	Est. Cost
G-01	Mobilization and Demobilization (NTE 5% Construction Costs)	LS	1	\$ 14,058.31	\$ 14,058.31
G-02	General Demolition	LS	1	\$ 10,000.00	\$ 10,000.00
G-03	Temporary Bypass Pumping	LS	1	\$ 25,000.00	\$ 25,000.00
M-01	Piping and Valves	LS	1	\$ 20,000.00	\$ 20,000.00
M-02	Submersible Pumps (7.5 HP) and Controls	EA	2	\$ 24,750.00	\$ 49,500.00
M-03	Locking Access Hatches with Safety Grating and Hold-Open Arms	LS	1	\$ 10,000.00	\$ 10,000.00
S-01	Wet Well Inspection and Repair	SF	359	\$ 20.00	\$ 7,180.00
S-02	Wet Well Lining	SF	359	\$ 67.00	\$ 24,053.00
E-01	Electrical, Instrumentation, and Controls	LS	1	\$ 79,200.00	\$ 79,200.00
SUBTOTAL:					\$ 238,991.31
25% CONTINGENCY:					\$ 59,747.83
*TOTAL OPINION OF PROBABLE CONSTRUCTION COST:					\$ 299,000.00
*ENGINEERING DESIGN (13.0%):					\$ 39,000.00
*CONSTRUCTION PHASE SERVICES (8.0%):					\$ 24,000.00
*TOTAL ESTIMATED PROJECT COST:					\$ 362,000.00

* Cost rounded up to nearest thousand.



WEATHERBY LIFT STATION





**BOARD OF WATER AND SEWER COMMISSIONERS OF THE CITY OF SARALAND
SANITARY SEWER COLLECTION SYSTEM MASTER PLAN
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JUNE 2022**





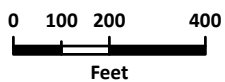
LEGEND

- PS LS
- FM
- SS

**LS REHABILITATION
Priority**

- PS 25

SARALAND WATER AND SEWER SERVICE
Sanitary Sewer Collection System Master Plan
Lift Station
Priority Category 4 - Priority 25



SARALAND WATER AND SEWER SERVICE
Sanitary Sewer Collection System Master Plan
Lift Stations
Preliminary Cost Estimate

SPANISH TRACE LIFT STATION					
PRIORITY CATEGORY 4 - LONG-TERM/MONITOR					
PRIORITY 25					
Item No.	Description	Unit	Approx. Quantities	Approx. Unit Price	Est. Cost
G-01	Mobilization and Demobilization (NTE 5% Construction Costs)	LS	1	\$ 16,815.94	\$ 16,815.94
G-02	General Demolition	LS	1	\$ 10,000.00	\$ 10,000.00
G-03	Temporary Bypass Pumping	LS	1	\$ 25,000.00	\$ 25,000.00
M-01	Piping and Valves	LS	1	\$ 20,000.00	\$ 20,000.00
M-02	Submersible Pumps (20 HP) and Controls	EA	2	\$ 36,000.00	\$ 72,000.00
M-03	Locking Access Hatches with Safety Grating and Hold-Open Arms	LS	1	\$ 10,000.00	\$ 10,000.00
S-01	Wet Well Inspection and Repair	SF	665	\$ 20.00	\$ 13,300.00
S-02	Wet Well Lining	SF	665	\$ 67.00	\$ 44,555.00
E-01	Electrical, Instrumentation, and Controls	LS	1	\$ 74,200.00	\$ 74,200.00
SUBTOTAL:					\$ 285,870.94
25% CONTINGENCY:					\$ 71,467.73
*TOTAL OPINION OF PROBABLE CONSTRUCTION COST:					\$ 358,000.00
*ENGINEERING DESIGN (13.0%):					\$ 47,000.00
*CONSTRUCTION PHASE SERVICES (8.0%):					\$ 29,000.00
*TOTAL ESTIMATED PROJECT COST:					\$ 434,000.00

* Cost rounded up to nearest thousand.



SPANISH TRACE LIFT STATION





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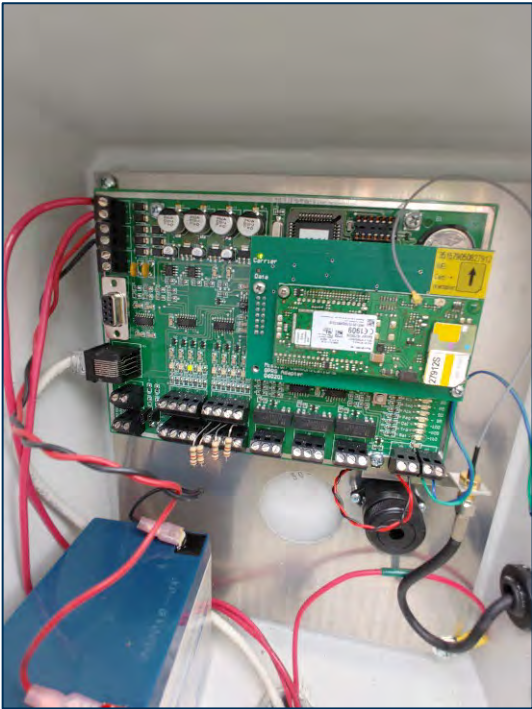
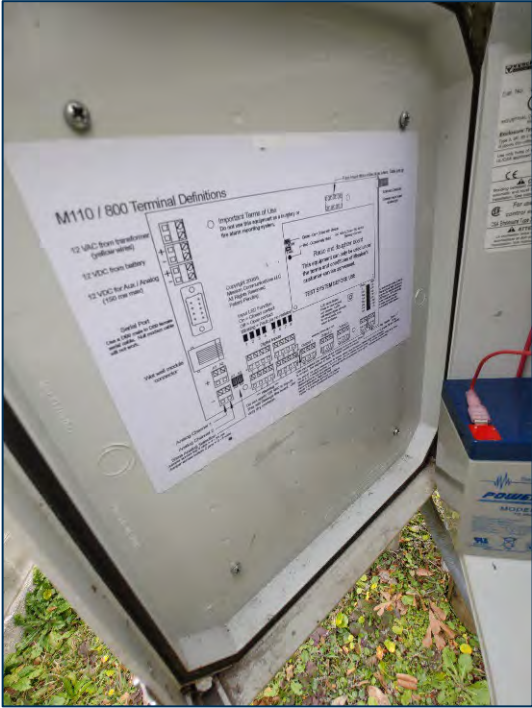


BOARD OF WATER AND SEWER COMMISSIONERS OF THE CITY OF SARALAND
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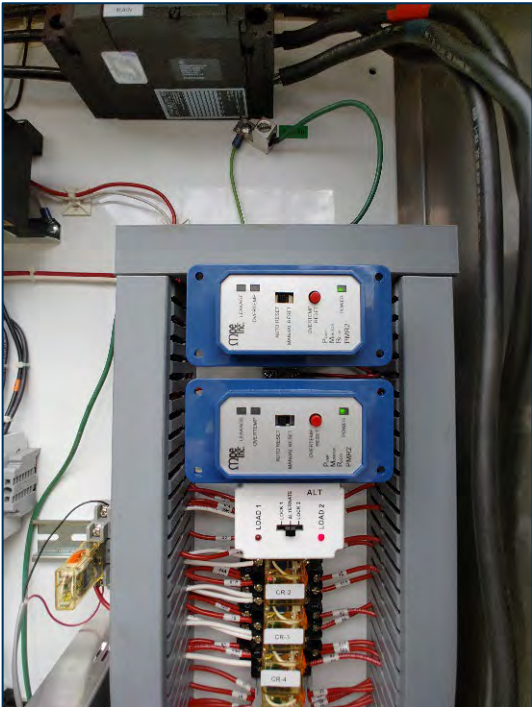
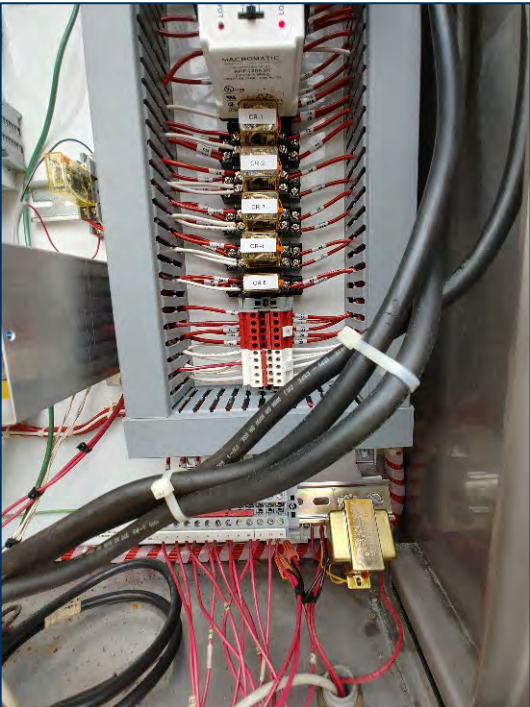
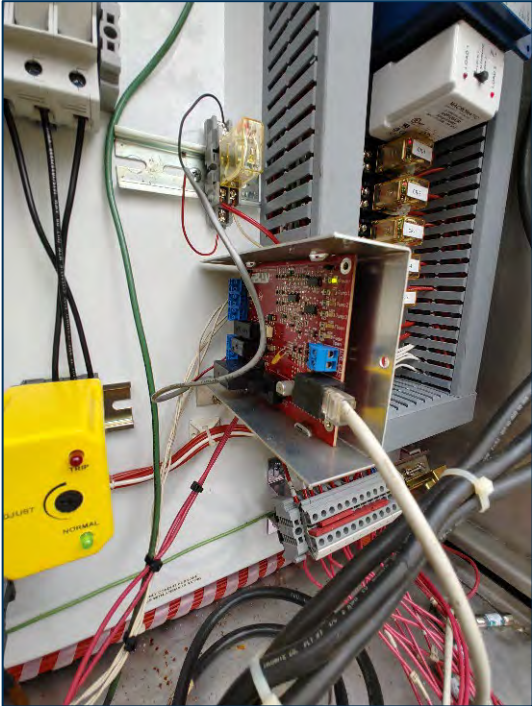


BOARD OF WATER AND SEWER COMMISSIONERS OF THE CITY OF SARALAND
SANITARY SEWER COLLECTION SYSTEM MASTER PLAN
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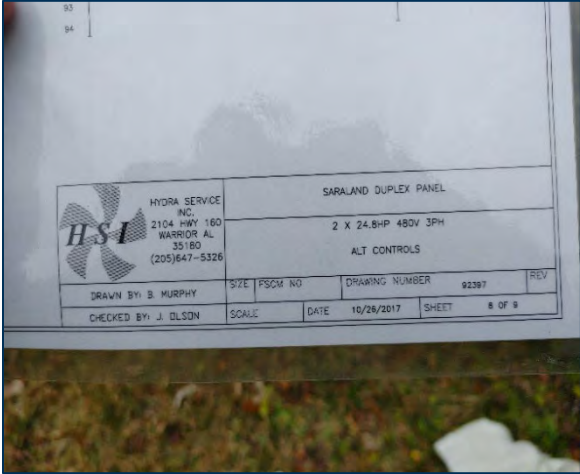


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SANITARY SEWER COLLECTION SYSTEM MASTER PLAN
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**BOARD OF WATER AND SEWER COMMISSIONERS OF THE CITY OF SARALAND
 SANITARY SEWER COLLECTION SYSTEM MASTER PLAN
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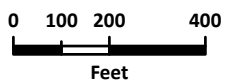
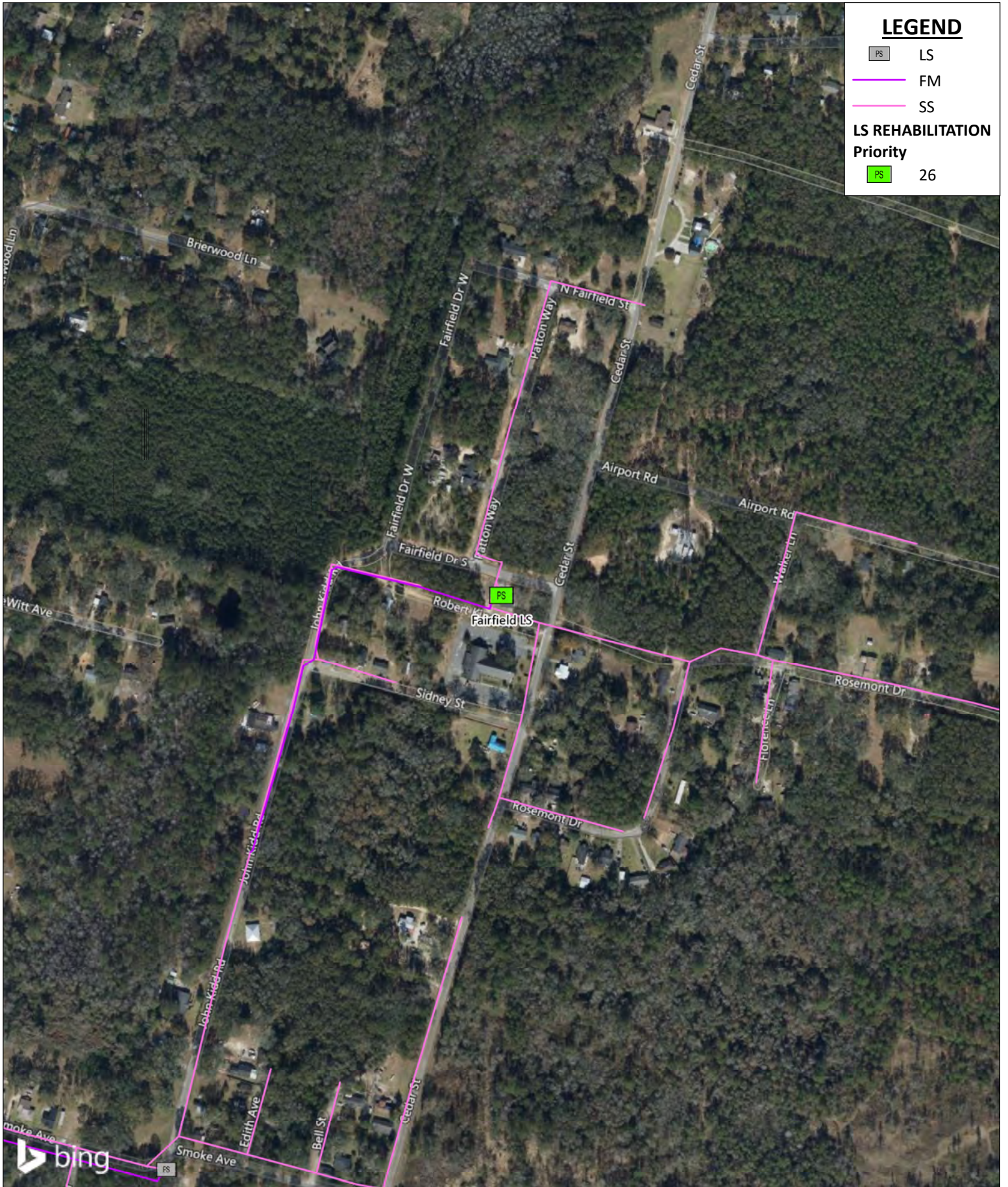


LEGEND

- PS LS
- FM
- SS

**LS REHABILITATION
Priority**

- PS 26



SARALAND WATER AND SEWER SERVICE
Sanitary Sewer Collection System Master Plan
Lift Station
Priority Category 4 - Priority 26



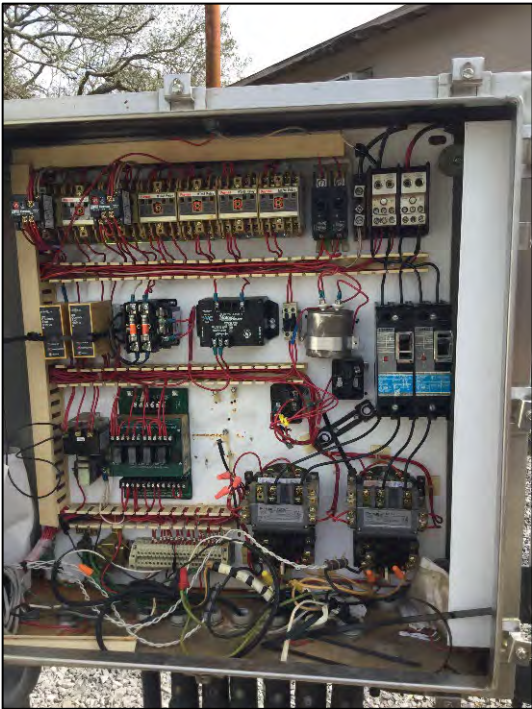
SARALAND WATER AND SEWER SERVICE
Sanitary Sewer Collection System Master Plan
Lift Stations
Preliminary Cost Estimate

FAIRFIELD LIFT STATION					
PRIORITY CATEGORY 4 - LONG-TERM/MONITOR					
PRIORITY 26					
Item No.	Description	Unit	Approx. Quantities	Approx. Unit Price	Est. Cost
G-01	Mobilization and Demobilization (NTE 5% Construction Costs)	LS	1	\$ 15,184.88	\$ 15,184.88
G-02	General Demolition	LS	1	\$ 10,000.00	\$ 10,000.00
G-03	Temporary Bypass Pumping	LS	1	\$ 25,000.00	\$ 25,000.00
M-01	Piping and Valves	LS	1	\$ 20,000.00	\$ 20,000.00
M-02	Submersible Pumps (2 HP) and Controls	EA	2	\$ 15,000.00	\$ 30,000.00
M-03	Locking Access Hatches with Safety Grating and Hold-Open Arms	LS	1	\$ 10,000.00	\$ 10,000.00
S-01	Wet Well Inspection and Repair	SF	434	\$ 20.00	\$ 8,680.00
S-02	Wet Well Lining	SF	434	\$ 67.00	\$ 29,078.00
E-01	Electrical, Instrumentation, and Controls	LS	1	\$ 110,200.00	\$ 110,200.00
SUBTOTAL:					\$ 258,142.88
25% CONTINGENCY:					\$ 64,535.72
*TOTAL OPINION OF PROBABLE CONSTRUCTION COST:					\$ 323,000.00
*ENGINEERING DESIGN (13.0%):					\$ 42,000.00
*CONSTRUCTION PHASE SERVICES (8.0%):					\$ 26,000.00
*TOTAL ESTIMATED PROJECT COST:					\$ 391,000.00




* Cost rounded up to nearest thousand.



FAIRFIELD LIFT STATION

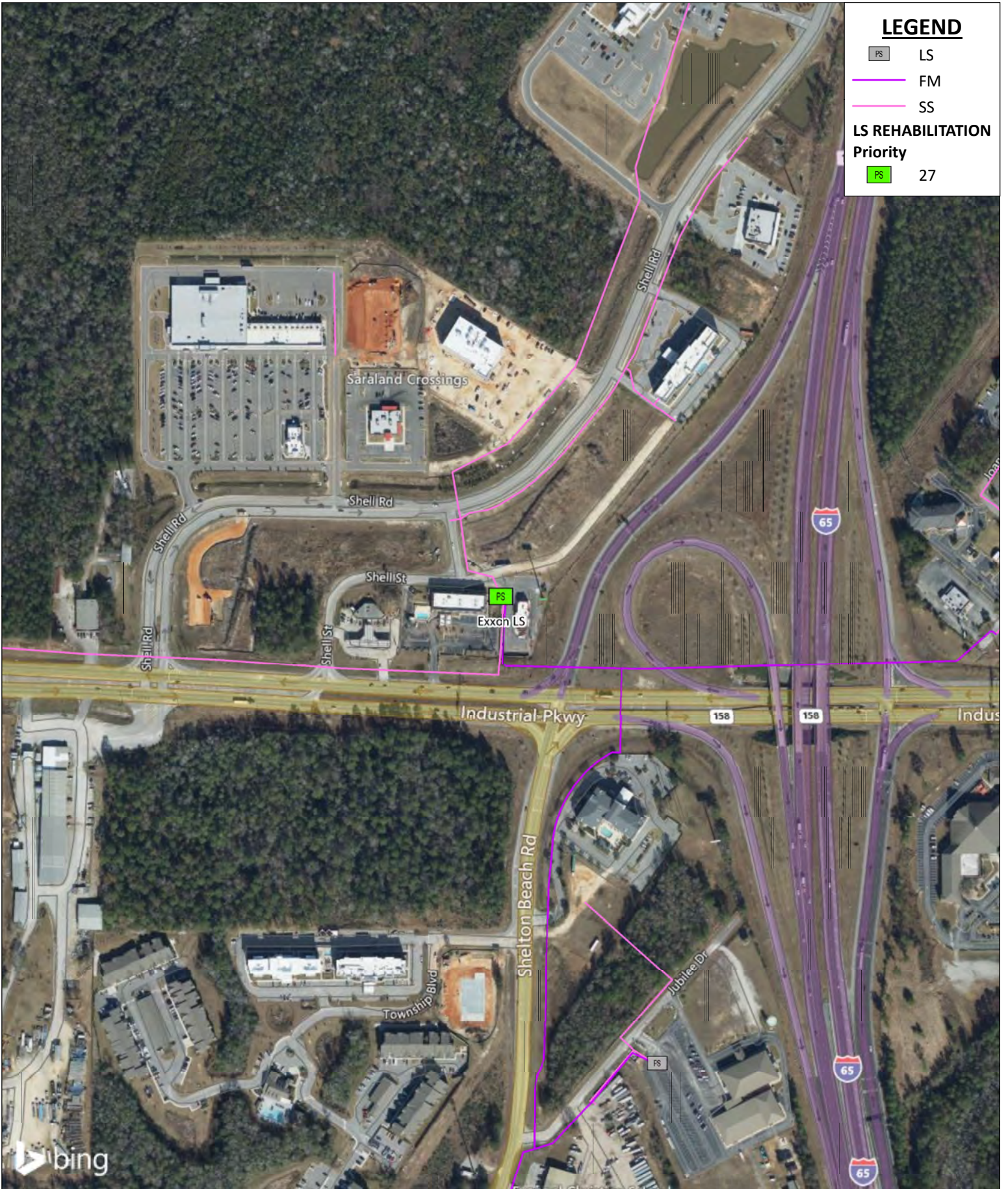


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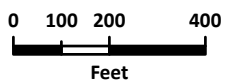
-  LS
-  FM
-  SS

**LS REHABILITATION
Priority**

-  27



**SARALAND WATER AND SEWER SERVICE
Sanitary Sewer Collection System Master Plan
Lift Station
Priority Category 4 - Priority 27**



SARALAND WATER AND SEWER SERVICE
Sanitary Sewer Collection System Master Plan
Lift Stations
Preliminary Cost Estimate

EXXON LIFT STATION					
PRIORITY CATEGORY 4 - LONG-TERM/MONITOR					
PRIORITY 27					
Item No.	Description	Unit	Approx. Quantities	Approx. Unit Price	Est. Cost
G-01	Mobilization and Demobilization (NTE 5% Construction Costs)	LS	1	\$ 16,007.94	\$ 16,007.94
G-02	General Demolition	LS	1	\$ 10,000.00	\$ 10,000.00
G-03	Temporary Bypass Pumping	LS	1	\$ 25,000.00	\$ 25,000.00
M-01	Piping and Valves	LS	1	\$ 20,000.00	\$ 20,000.00
M-02	Submersible Pumps (10 HP) and Controls	EA	2	\$ 26,000.00	\$ 52,000.00
M-03	Locking Access Hatches with Safety Grating and Hold-Open Arms	LS	1	\$ 10,000.00	\$ 10,000.00
S-01	Wet Well Inspection and Repair	SF	321	\$ 20.00	\$ 6,420.00
S-02	Wet Well Lining	SF	321	\$ 67.00	\$ 21,507.00
E-01	Electrical, Instrumentation, and Controls	LS	1	\$ 111,200.00	\$ 111,200.00
SUBTOTAL:					\$ 272,134.94
25% CONTINGENCY:					\$ 68,033.73
*TOTAL OPINION OF PROBABLE CONSTRUCTION COST:					\$ 341,000.00
*ENGINEERING DESIGN (13.0%):					\$ 45,000.00
*CONSTRUCTION PHASE SERVICES (8.0%):					\$ 28,000.00
*TOTAL ESTIMATED PROJECT COST:					\$ 414,000.00

* Cost rounded up to nearest thousand.



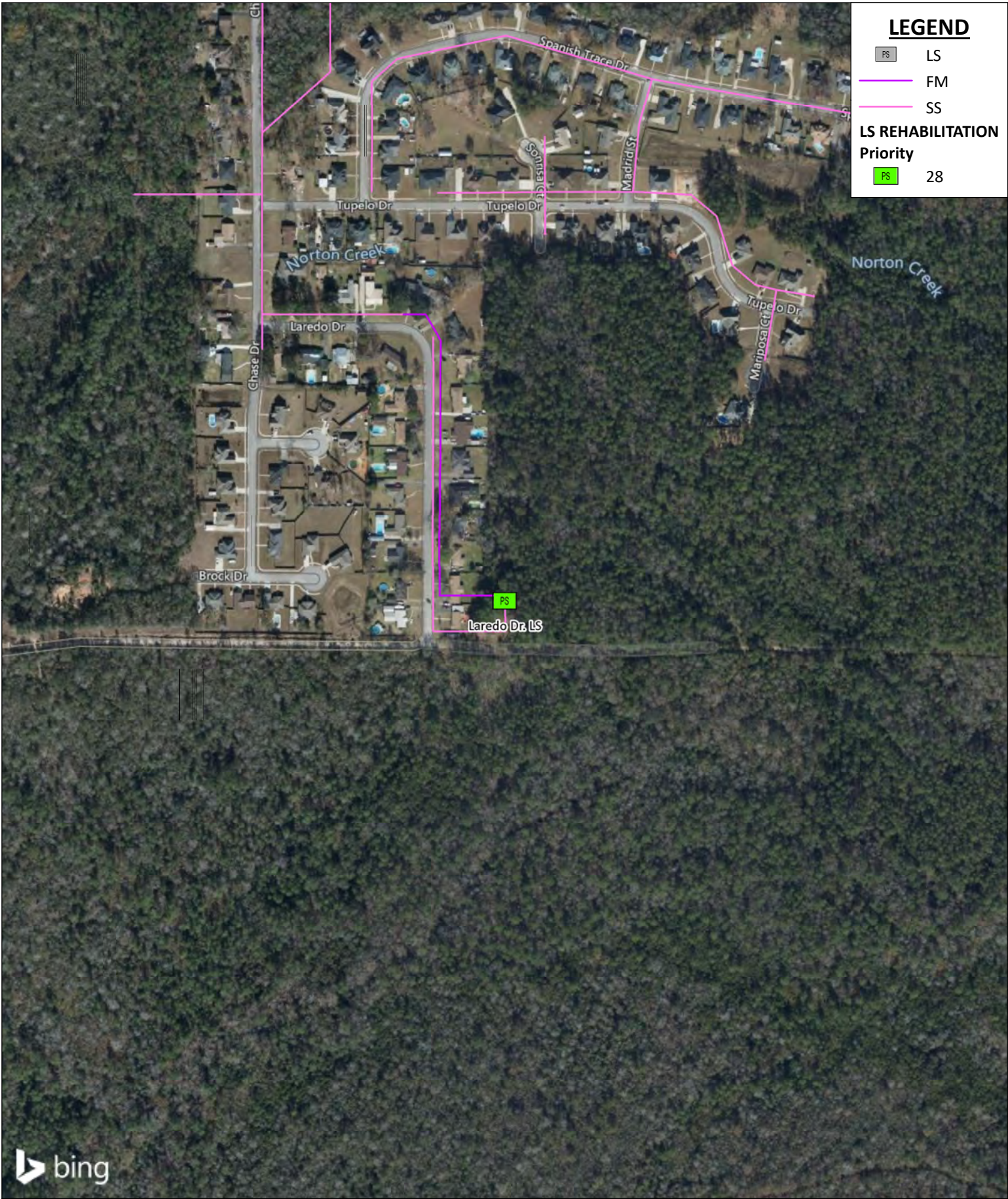
EXXON LIFT STATION





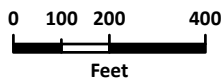
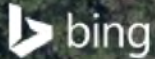
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SANITARY SEWER COLLECTION SYSTEM MASTER PLAN
FINAL REPORT
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LEGEND

PS	LS
	FM
	SS
LS REHABILITATION	
Priority	
PS	28



SARALAND WATER AND SEWER SERVICE
Sanitary Sewer Collection System Master Plan
Lift Station
Priority Category 4 - Priority 28



SARALAND WATER AND SEWER SERVICE
Sanitary Sewer Collection System Master Plan
Lift Stations
Preliminary Cost Estimate

LAREDO DR. LIFT STATION PRIORITY CATEGORY 4 - LONG-TERM/MONITOR PRIORITY 28					
Item No.	Description	Unit	Approx. Quantities	Approx. Unit Price	Est. Cost
G-01	Mobilization and Demobilization (NTE 5% Construction Costs)	LS	1	\$ 13,425.06	\$ 13,425.06
G-02	General Demolition	LS	1	\$ 10,000.00	\$ 10,000.00
G-03	Temporary Bypass Pumping	LS	1	\$ 25,000.00	\$ 25,000.00
M-01	Piping and Valves	LS	1	\$ 20,000.00	\$ 20,000.00
M-02	Submersible Pumps (5 HP) and Controls	EA	2	\$ 21,250.00	\$ 42,500.00
M-03	Locking Access Hatches with Safety Grating and Hold-Open Arms	LS	1	\$ 10,000.00	\$ 10,000.00
S-01	Wet Well Inspection and Repair	SF	323	\$ 20.00	\$ 6,460.00
S-02	Wet Well Lining	SF	323	\$ 67.00	\$ 21,641.00
E-01	Electrical, Instrumentation, and Controls	LS	1	\$ 79,200.00	\$ 79,200.00
SUBTOTAL:					\$ 228,226.06
25% CONTINGENCY:					\$ 57,056.52
*TOTAL OPINION OF PROBABLE CONSTRUCTION COST:					\$ 286,000.00
*ENGINEERING DESIGN (13.0%):					\$ 38,000.00
*CONSTRUCTION PHASE SERVICES (8.0%):					\$ 23,000.00
*TOTAL ESTIMATED PROJECT COST:					\$ 347,000.00

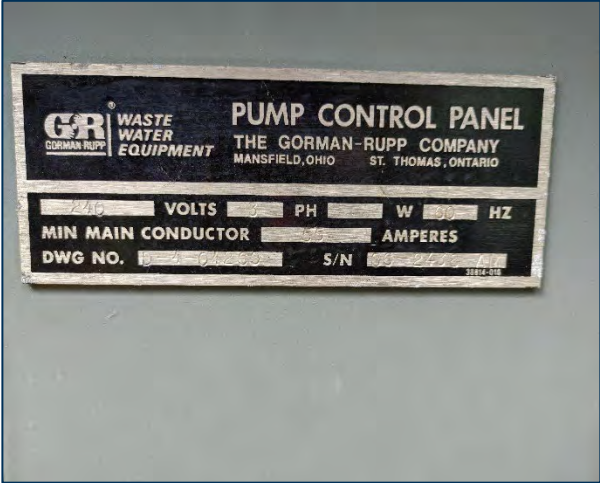
* Cost rounded up to nearest thousand.



LAREDO DR. LIFT STATION



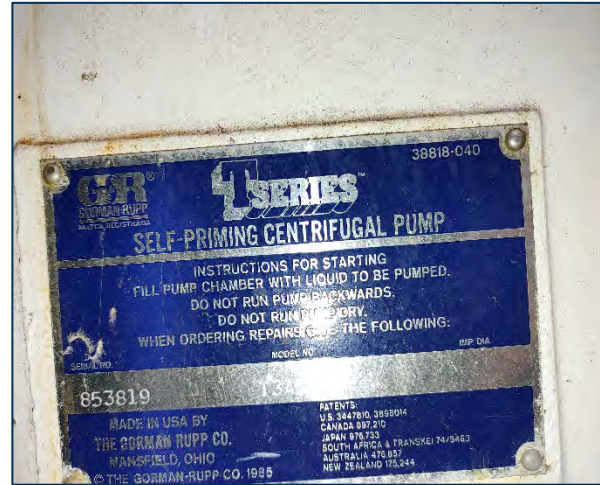




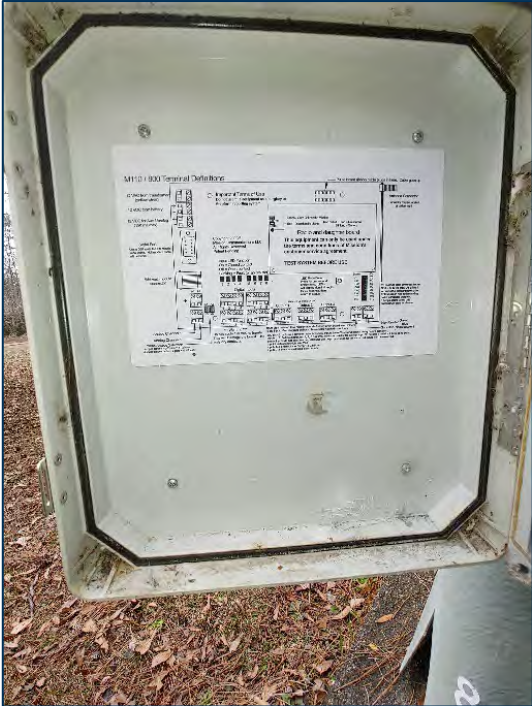







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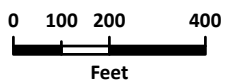
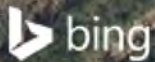


LEGEND

-  LS
-  FM
-  SS

**LS REHABILITATION
Priority**

-  29



SARALAND WATER AND SEWER SERVICE
Sanitary Sewer Collection System Master Plan
Lift Station
Priority Category 4 - Priority 29



SARALAND WATER AND SEWER SERVICE
Sanitary Sewer Collection System Master Plan
Lift Stations
Preliminary Cost Estimate

CHARLESTON RIDGE LIFT STATION					
PRIORITY CATEGORY 4 - LONG-TERM/MONITOR					
PRIORITY 29					
Item No.	Description	Unit	Approx. Quantities	Approx. Unit Price	Est. Cost
G-01	Mobilization and Demobilization (NTE 5% Construction Costs)	LS	1	\$ 16,111.25	\$ 16,111.25
G-02	General Demolition	LS	1	\$ 10,000.00	\$ 10,000.00
G-03	Temporary Bypass Pumping	LS	1	\$ 25,000.00	\$ 25,000.00
M-01	Piping and Valves	LS	1	\$ 20,000.00	\$ 20,000.00
M-02	Submersible Pumps (10 HP) and Controls	EA	2	\$ 26,000.00	\$ 52,000.00
M-03	Locking Access Hatches with Safety Grating and Hold-Open Arms	LS	1	\$ 10,000.00	\$ 10,000.00
S-01	Wet Well Inspection and Repair	SF	340	\$ 20.00	\$ 6,800.00
S-02	Wet Well Lining	SF	340	\$ 67.00	\$ 22,780.00
E-01	Electrical, Instrumentation, and Controls	LS	1	\$ 111,200.00	\$ 111,200.00
SUBTOTAL:					\$ 273,891.25
25% CONTINGENCY:					\$ 68,472.81
*TOTAL OPINION OF PROBABLE CONSTRUCTION COST:					\$ 343,000.00
*ENGINEERING DESIGN (13.0%):					\$ 45,000.00
*CONSTRUCTION PHASE SERVICES (8.0%):					\$ 28,000.00
*TOTAL ESTIMATED PROJECT COST:					\$ 416,000.00

* Cost rounded up to nearest thousand.



CHARLESTON RIDGE LIFT STATION



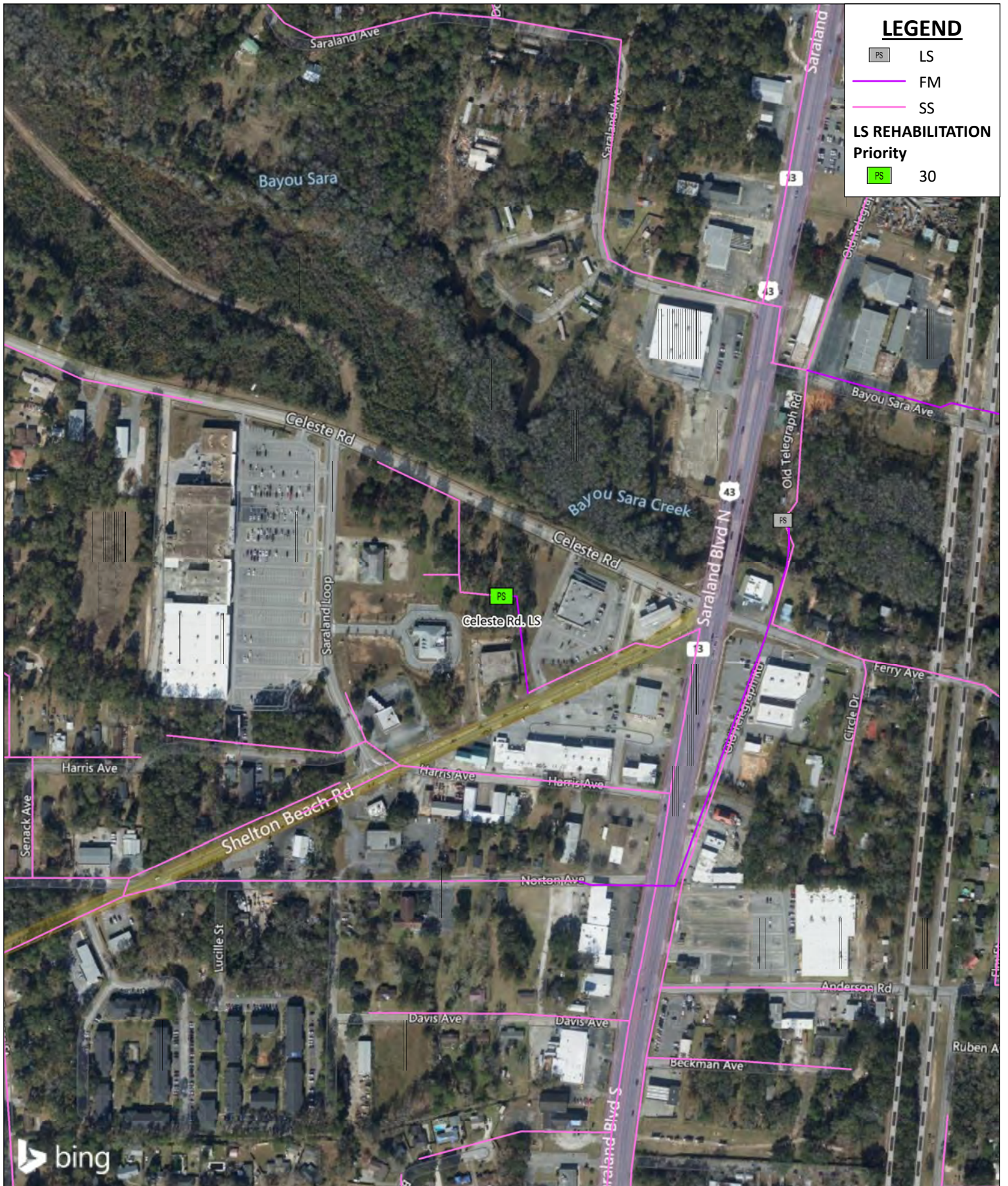


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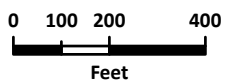




LEGEND

- PS LS
- FM
- SS
- LS REHABILITATION**
- Priority**
- PS 30

SARALAND WATER AND SEWER SERVICE
Sanitary Sewer Collection System Master Plan
Lift Station
Priority Category 4 - Priority 30



SARALAND WATER AND SEWER SERVICE
Sanitary Sewer Collection System Master Plan
Lift Stations
Preliminary Cost Estimate

CELESTE DR. LIFT STATION					
PRIORITY CATEGORY 4 - LONG-TERM/MONITOR					
PRIORITY 30					
Item No.	Description	Unit	Approx. Quantities	Approx. Unit Price	Est. Cost
G-01	Mobilization and Demobilization (NTE 5% Construction Costs)	LS	1	\$ 11,060.88	\$ 11,060.88
G-02	General Demolition	LS	1	\$ 10,000.00	\$ 10,000.00
G-03	Temporary Bypass Pumping	LS	1	\$ 25,000.00	\$ 25,000.00
M-01	Piping and Valves	LS	1	\$ 20,000.00	\$ 20,000.00
M-02	Submersible Pumps (5 HP) and Controls	EA	2	\$ 21,250.00	\$ 42,500.00
M-03	Locking Access Hatches with Safety Grating and Hold-Open Arms	LS	1	\$ 10,000.00	\$ 10,000.00
S-01	Wet Well Inspection and Repair	SF	302	\$ 20.00	\$ 6,040.00
S-02	Wet Well Lining	SF	302	\$ 67.00	\$ 20,234.00
E-01	Electrical, Instrumentation, and Controls	LS	1	\$ 43,200.00	\$ 43,200.00
SUBTOTAL:					\$ 188,034.88
25% CONTINGENCY:					\$ 47,008.72
*TOTAL OPINION OF PROBABLE CONSTRUCTION COST:					\$ 236,000.00
*ENGINEERING DESIGN (13.0%):					\$ 31,000.00
*CONSTRUCTION PHASE SERVICES (8.0%):					\$ 19,000.00
*TOTAL ESTIMATED PROJECT COST:					\$ 286,000.00

* Cost rounded up to nearest thousand.



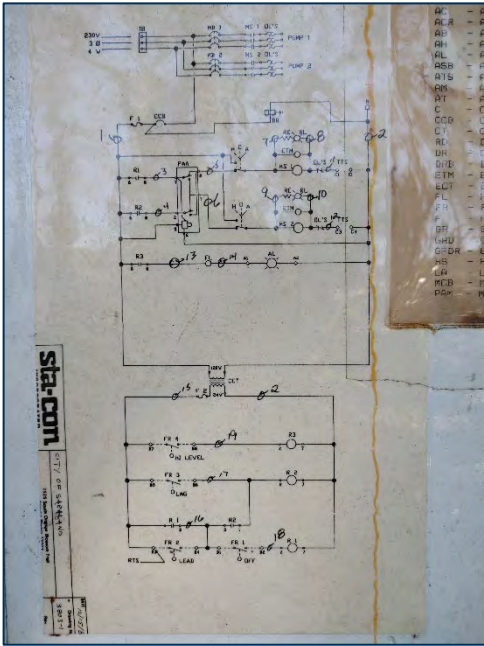
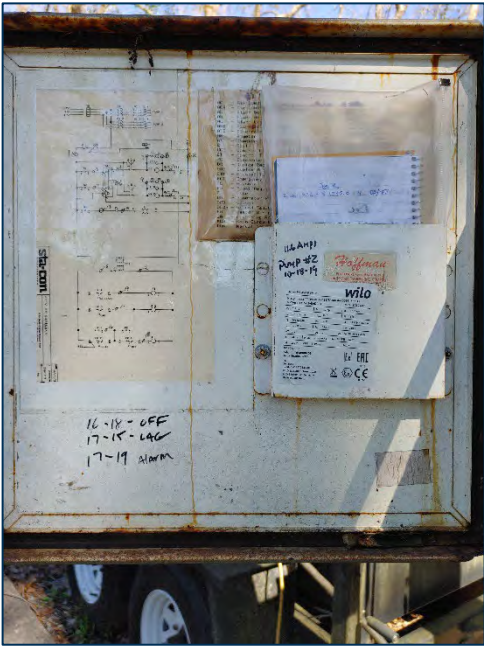
CELESTE RD. LIFT STATION



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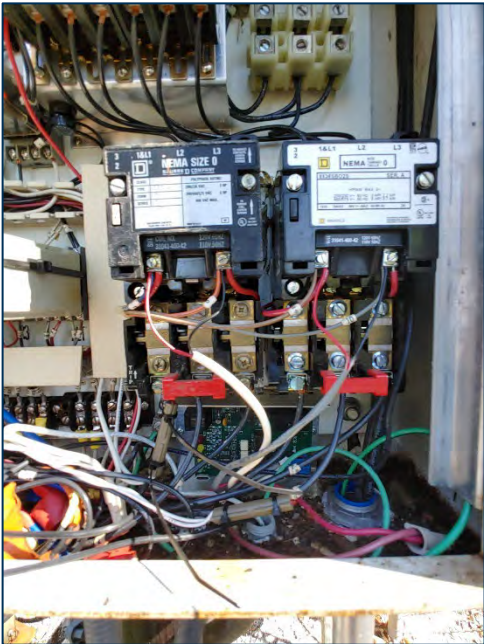
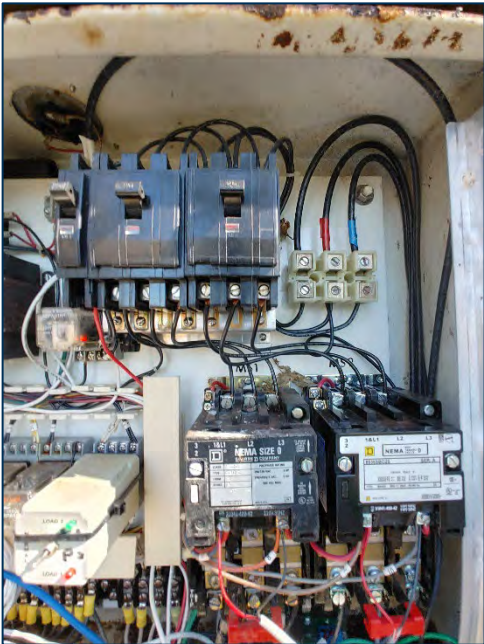
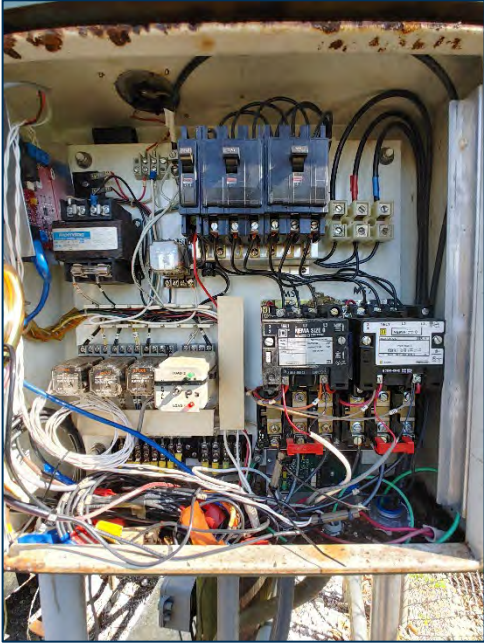
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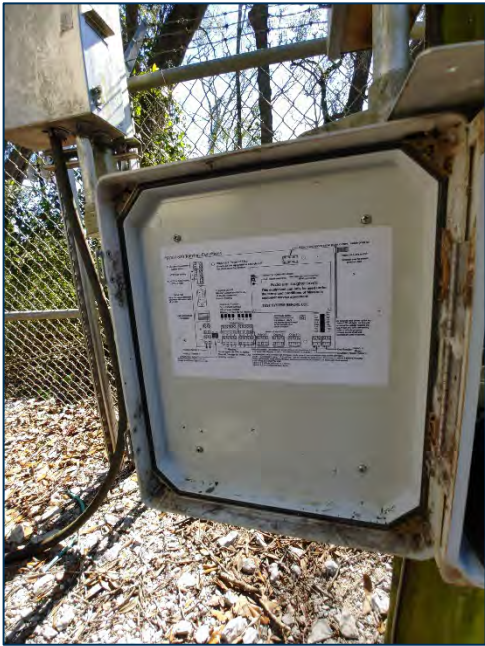
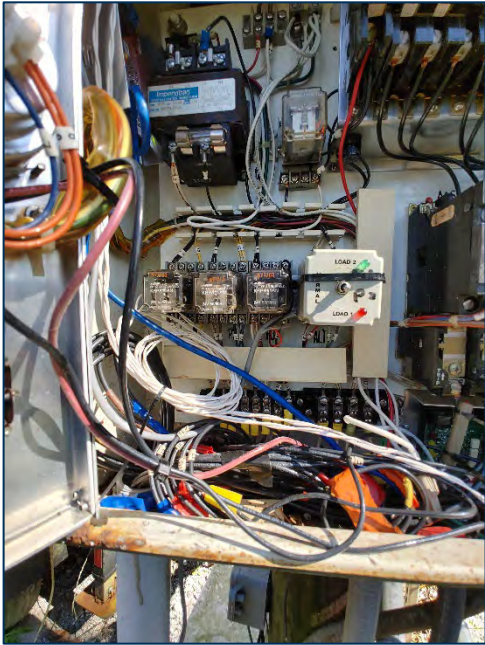
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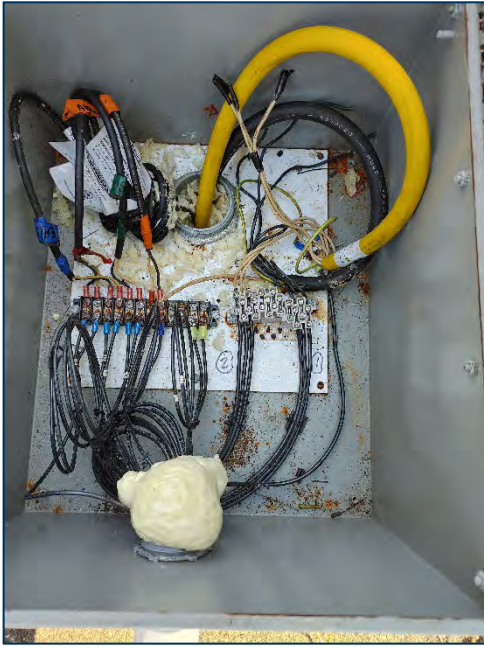


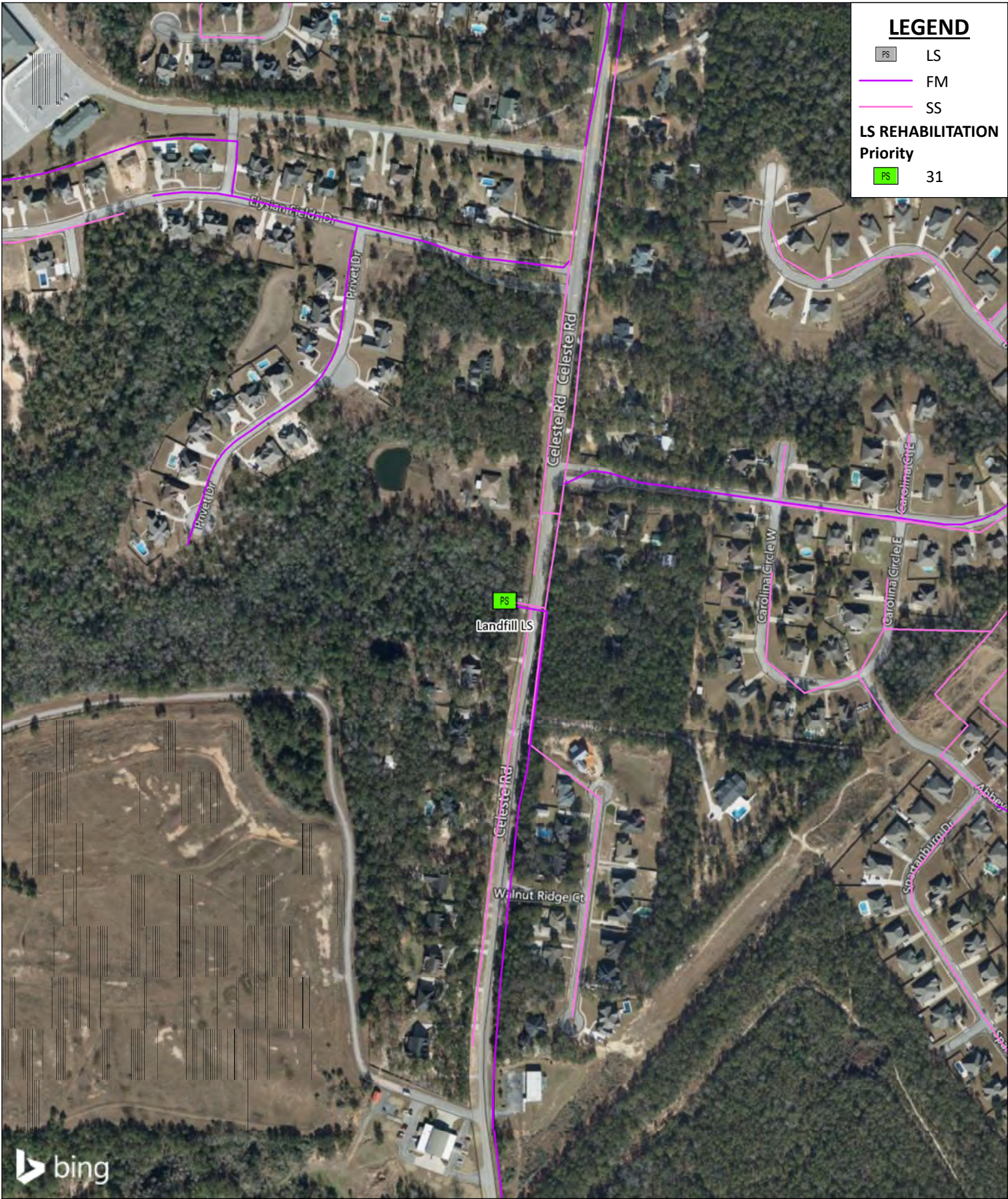
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





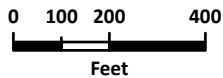
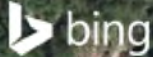
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LEGEND

	LS
	FM
	SS
LS REHABILITATION	
Priority	
	31



SARALAND WATER AND SEWER SERVICE
Sanitary Sewer Collection System Master Plan
Lift Station
Priority Category 4 - Priority 31



SARALAND WATER AND SEWER SERVICE
Sanitary Sewer Collection System Master Plan
Lift Stations
Preliminary Cost Estimate

LANDFILL LIFT STATION					
PRIORITY CATEGORY 4 - LONG-TERM/MONITOR					
PRIORITY 31					
Item No.	Description	Unit	Approx. Quantities	Approx. Unit Price	Est. Cost
G-01	Mobilization and Demobilization (NTE 5% Construction Costs)	LS	1	\$ 11,456.56	\$ 11,456.56
G-02	General Demolition	LS	1	\$ 10,000.00	\$ 10,000.00
G-03	Temporary Bypass Pumping	LS	1	\$ 25,000.00	\$ 25,000.00
M-01	Piping and Valves	LS	1	\$ 20,000.00	\$ 20,000.00
M-02	Submersible Pumps (3 HP) and Controls	EA	2	\$ 19,500.00	\$ 39,000.00
M-03	Locking Access Hatches with Safety Grating and Hold-Open Arms	LS	1	\$ 10,000.00	\$ 10,000.00
S-01	Wet Well Inspection and Repair	SF	415	\$ 20.00	\$ 8,300.00
S-02	Wet Well Lining	SF	415	\$ 67.00	\$ 27,805.00
E-01	Electrical, Instrumentation, and Controls	LS	1	\$ 43,200.00	\$ 43,200.00
SUBTOTAL:					\$ 194,761.56
25% CONTINGENCY:					\$ 48,690.39
*TOTAL OPINION OF PROBABLE CONSTRUCTION COST:					\$ 244,000.00
*ENGINEERING DESIGN (13.0%):					\$ 32,000.00
*CONSTRUCTION PHASE SERVICES (8.0%):					\$ 20,000.00
*TOTAL ESTIMATED PROJECT COST:					\$ 296,000.00

* Cost rounded up to nearest thousand.



LANDFILL LIFT STATION






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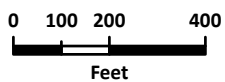
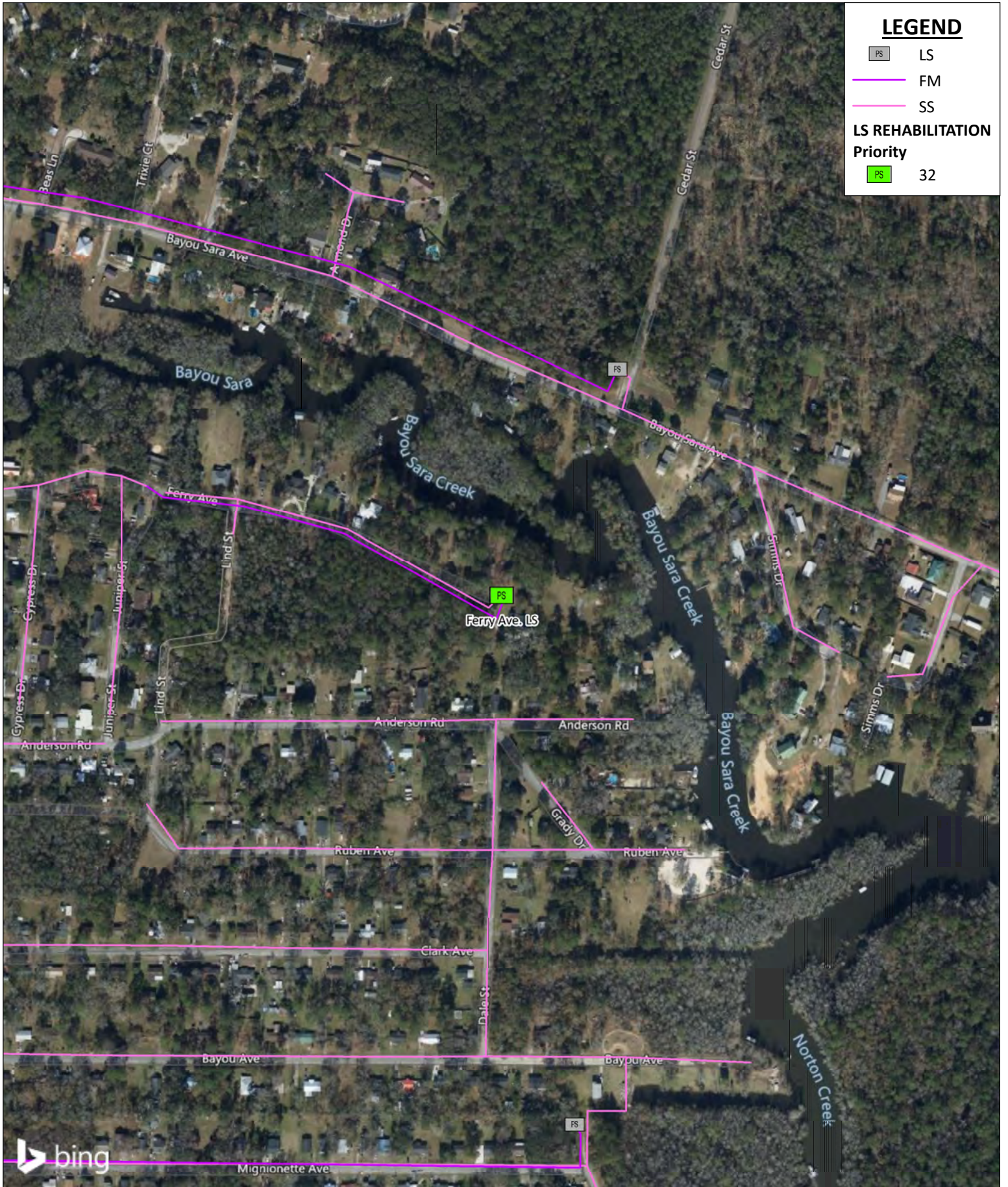


LEGEND

-  LS
-  FM
-  SS

**LS REHABILITATION
Priority**

-  32



SARALAND WATER AND SEWER SERVICE
Sanitary Sewer Collection System Master Plan
Lift Station
Priority Category 4 - Priority 32



SARALAND WATER AND SEWER SERVICE
Sanitary Sewer Collection System Master Plan
Lift Stations
Preliminary Cost Estimate

FERRY AVE. LIFT STATION					
PRIORITY CATEGORY 4 - LONG-TERM/MONITOR					
PRIORITY 32					
Item No.	Description	Unit	Approx. Quantities	Approx. Unit Price	Est. Cost
G-01	Mobilization and Demobilization (NTE 5% Construction Costs)	LS	1	\$ 15,362.56	\$ 15,362.56
G-02	General Demolition	LS	1	\$ 10,000.00	\$ 10,000.00
G-03	Temporary Bypass Pumping	LS	1	\$ 25,000.00	\$ 25,000.00
M-01	Piping and Valves	LS	1	\$ 20,000.00	\$ 20,000.00
M-02	Submersible Pumps (5 HP) and Controls	EA	2	\$ 21,250.00	\$ 42,500.00
M-03	Locking Access Hatches with Safety Grating and Hold-Open Arms	LS	1	\$ 10,000.00	\$ 10,000.00
S-01	Wet Well Inspection and Repair	SF	323	\$ 20.00	\$ 6,460.00
S-02	Wet Well Lining	SF	323	\$ 67.00	\$ 21,641.00
E-01	Electrical, Instrumentation, and Controls	LS	1	\$ 110,200.00	\$ 110,200.00
SUBTOTAL:					\$ 261,163.56
25% CONTINGENCY:					\$ 65,290.89
*TOTAL OPINION OF PROBABLE CONSTRUCTION COST:					\$ 327,000.00
*ENGINEERING DESIGN (13.0%):					\$ 43,000.00
*CONSTRUCTION PHASE SERVICES (8.0%):					\$ 27,000.00
*TOTAL ESTIMATED PROJECT COST:					\$ 397,000.00

* Cost rounded up to nearest thousand.



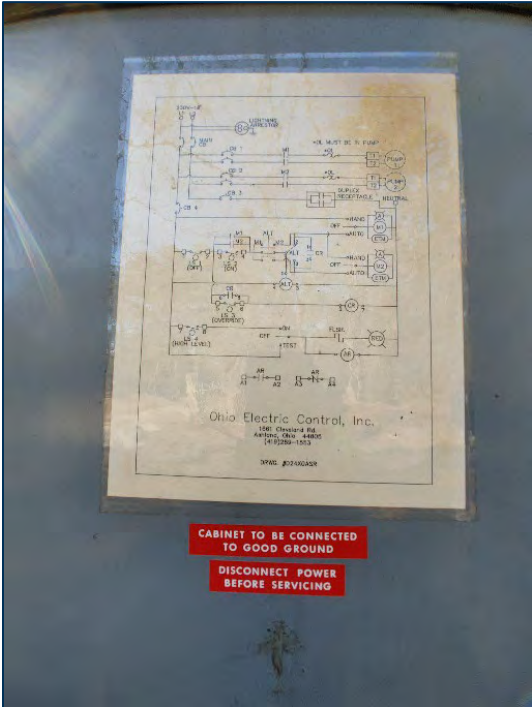
FERRY AVE. LIFT STATION







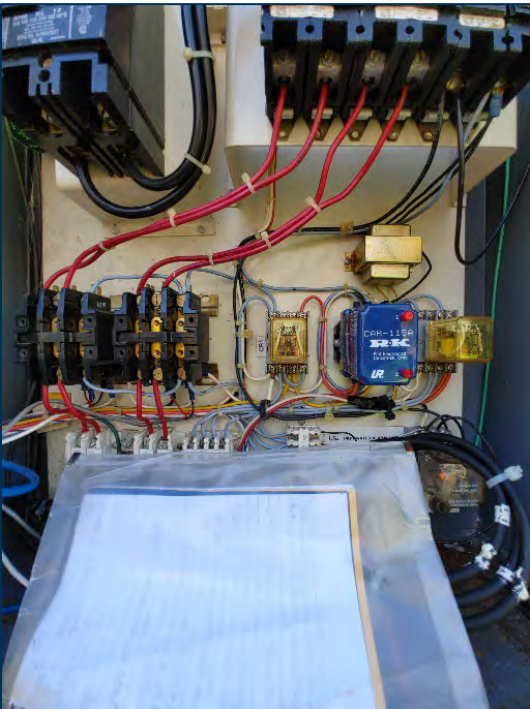
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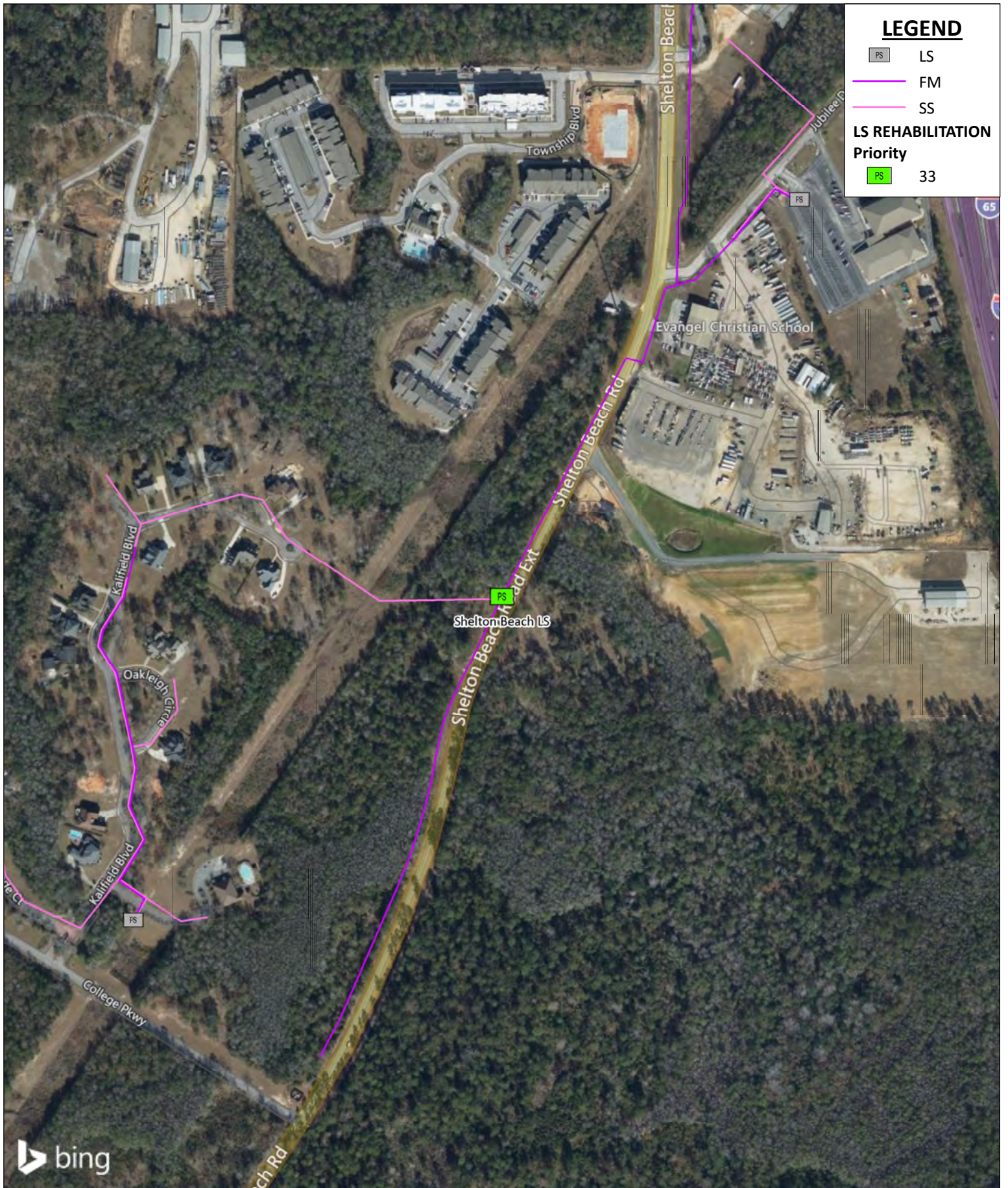












LEGEND

PS LS

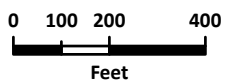
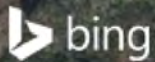
FM

SS

LS REHABILITATION

Priority

PS 33



SARALAND WATER AND SEWER SERVICE
Sanitary Sewer Collection System Master Plan
Lift Station
Priority Category 4 - Priority 33



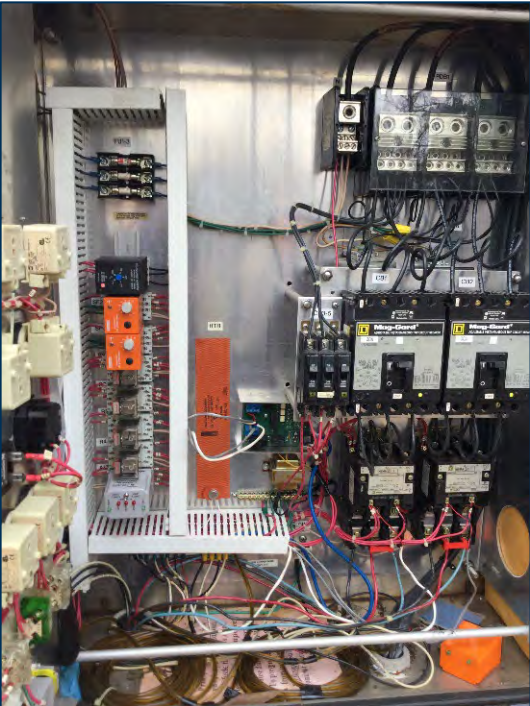
SARALAND WATER AND SEWER SERVICE
Sanitary Sewer Collection System Master Plan
Lift Stations
Preliminary Cost Estimate

SHELTON BEACH LIFT STATION					
PRIORITY CATEGORY 4 - LONG-TERM/MONITOR					
PRIORITY 33					
Item No.	Description	Unit	Approx. Quantities	Approx. Unit Price	Est. Cost
G-01	Mobilization and Demobilization (NTE 5% Construction Costs)	LS	1	\$ 14,017.50	\$ 14,017.50
G-02	General Demolition	LS	1	\$ 10,000.00	\$ 10,000.00
G-03	Temporary Bypass Pumping	LS	1	\$ 25,000.00	\$ 25,000.00
M-01	Piping and Valves	LS	1	\$ 20,000.00	\$ 20,000.00
M-02	Submersible Pumps (7.5 HP) and Controls	EA	2	\$ 24,750.00	\$ 49,500.00
M-03	Locking Access Hatches with Safety Grating and Hold-Open Arms	LS	1	\$ 10,000.00	\$ 10,000.00
S-01	Wet Well Inspection and Repair	SF	340	\$ 20.00	\$ 6,800.00
S-02	Wet Well Lining	SF	340	\$ 67.00	\$ 22,780.00
E-01	Electrical, Instrumentation, and Controls	LS	1	\$ 80,200.00	\$ 80,200.00
SUBTOTAL:					\$ 238,297.50
25% CONTINGENCY:					\$ 59,574.38
*TOTAL OPINION OF PROBABLE CONSTRUCTION COST:					\$ 298,000.00
*ENGINEERING DESIGN (13.0%):					\$ 39,000.00
*CONSTRUCTION PHASE SERVICES (8.0%):					\$ 24,000.00
*TOTAL ESTIMATED PROJECT COST:					\$ 361,000.00

* Cost rounded up to nearest thousand.



SHELTON BEACH LIFT STATION



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LEGEND

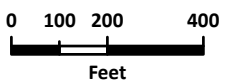
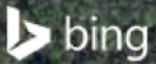
PS LS

FM

SS

**LS REHABILITATION
Priority**

PS 34



SARALAND WATER AND SEWER SERVICE
Sanitary Sewer Collection System Master Plan
Lift Station
Priority Category 4 - Priority 34



SARALAND WATER AND SEWER SERVICE
Sanitary Sewer Collection System Master Plan
Lift Stations
Preliminary Cost Estimate

SARALAND LEARNING CENTER LIFT STATION PRIORITY CATEGORY 4 - LONG-TERM/MONITOR PRIORITY 34					
Item No.	Description	Unit	Approx. Quantities	Approx. Unit Price	Est. Cost
G-01	Mobilization and Demobilization (NTE 5% Construction Costs)	LS	1	\$ 12,216.13	\$ 12,216.13
G-02	General Demolition	LS	1	\$ 10,000.00	\$ 10,000.00
G-03	Temporary Bypass Pumping	LS	1	\$ 25,000.00	\$ 25,000.00
M-01	Piping and Valves	LS	1	\$ 20,000.00	\$ 20,000.00
M-02	Submersible Pumps (7.5 HP) and Controls	EA	2	\$ 24,750.00	\$ 49,500.00
M-03	Locking Access Hatches with Safety Grating and Hold-Open Arms	LS	1	\$ 10,000.00	\$ 10,000.00
S-01	Wet Well Inspection and Repair	SF	434	\$ 20.00	\$ 8,680.00
S-02	Wet Well Lining	SF	434	\$ 67.00	\$ 29,078.00
E-01	Electrical, Instrumentation, and Controls	LS	1	\$ 43,200.00	\$ 43,200.00
SUBTOTAL:					\$ 207,674.13
25% CONTINGENCY:					\$ 51,918.53
*TOTAL OPINION OF PROBABLE CONSTRUCTION COST:					\$ 260,000.00
*ENGINEERING DESIGN (13.0%):					\$ 34,000.00
*CONSTRUCTION PHASE SERVICES (8.0%):					\$ 21,000.00
*TOTAL ESTIMATED PROJECT COST:					\$ 315,000.00

* Cost rounded up to nearest thousand.

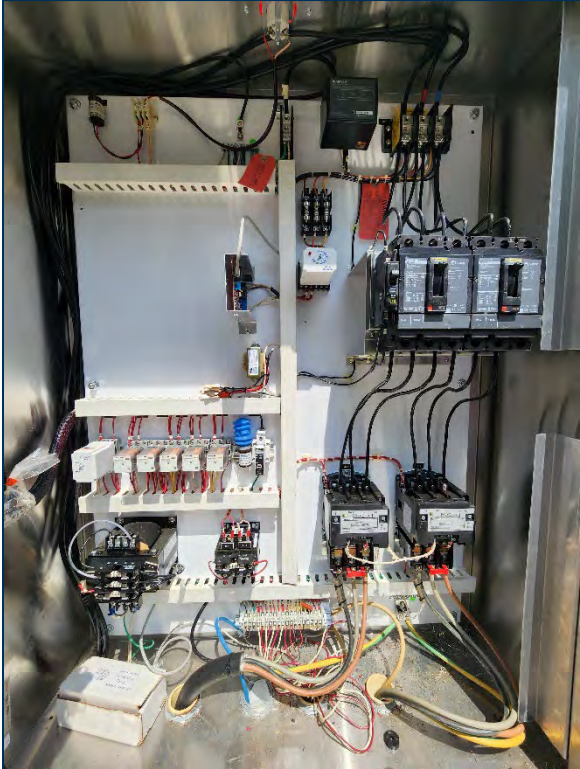
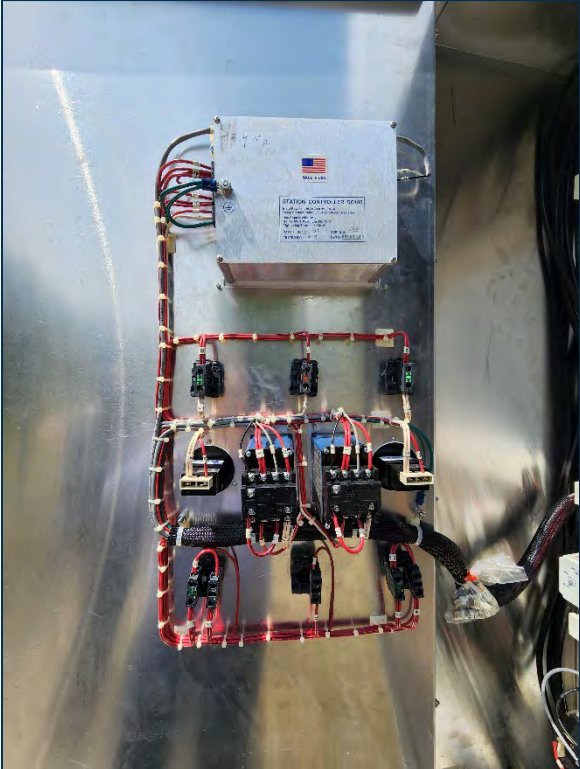


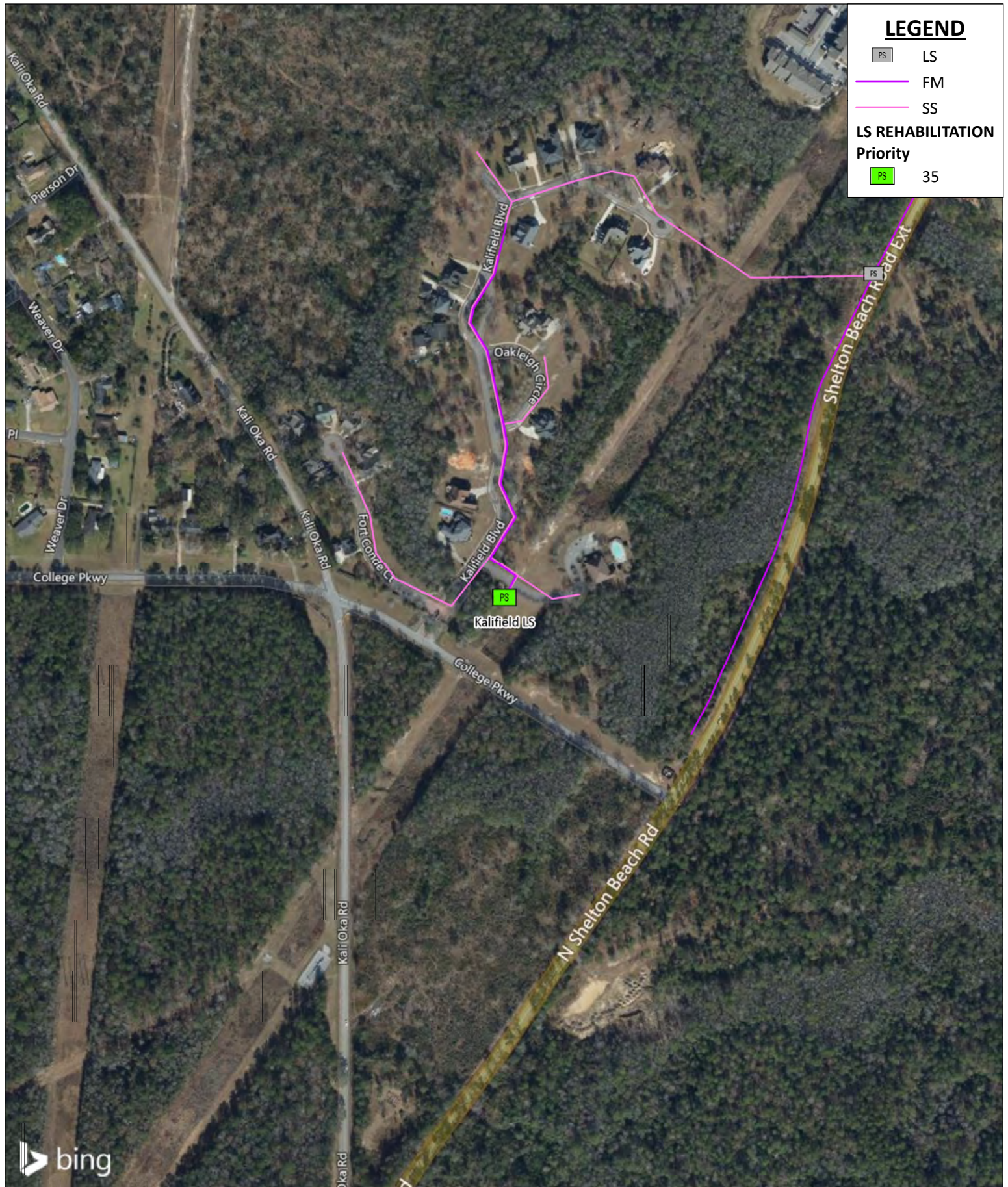
SARALAND LEARNING CENTER LIFT STATION



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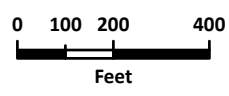
LEGEND

- PS LS
- FM
- SS

LS REHABILITATION Priority

- PS 35

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SARALAND WATER AND SEWER SERVICE
Sanitary Sewer Collection System Master Plan
Lift Station
Priority Category 4 - Priority 35



SARALAND WATER AND SEWER SERVICE
Sanitary Sewer Collection System Master Plan
Lift Stations
Preliminary Cost Estimate

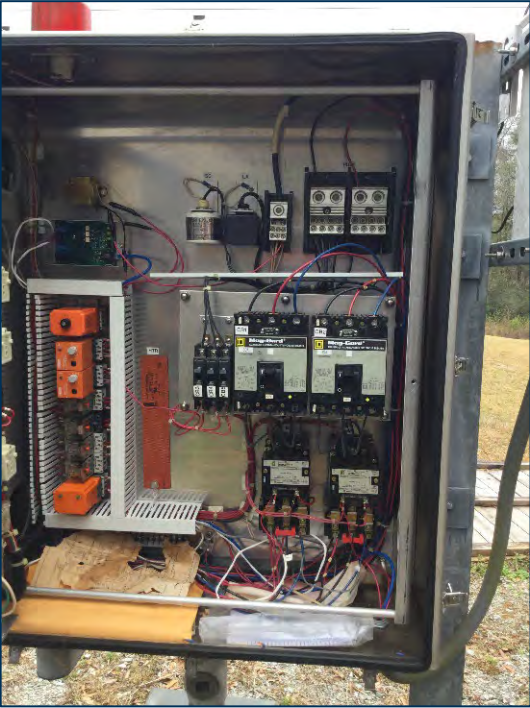
KALIFIELD LIFT STATION					
PRIORITY CATEGORY 4 - LONG-TERM/MONITOR					
PRIORITY 35					
Item No.	Description	Unit	Approx. Quantities	Approx. Unit Price	Est. Cost
G-01	Mobilization and Demobilization (NTE 5% Construction Costs)	LS	1	\$ 15,749.94	\$ 15,749.94
G-02	General Demolition	LS	1	\$ 10,000.00	\$ 10,000.00
G-03	Temporary Bypass Pumping	LS	1	\$ 25,000.00	\$ 25,000.00
M-01	Piping and Valves	LS	1	\$ 20,000.00	\$ 20,000.00
M-02	Submersible Pumps (15 HP) and Controls	EA	2	\$ 34,000.00	\$ 68,000.00
M-03	Locking Access Hatches with Safety Grating and Hold-Open Arms	LS	1	\$ 10,000.00	\$ 10,000.00
S-01	Wet Well Inspection and Repair	SF	377	\$ 20.00	\$ 7,540.00
S-02	Wet Well Lining	SF	377	\$ 67.00	\$ 25,259.00
E-01	Electrical, Instrumentation, and Controls	LS	1	\$ 86,200.00	\$ 86,200.00
SUBTOTAL:					\$ 267,748.94
25% CONTINGENCY:					\$ 66,937.23
*TOTAL OPINION OF PROBABLE CONSTRUCTION COST:					\$ 335,000.00
*ENGINEERING DESIGN (13.0%):					\$ 44,000.00
*CONSTRUCTION PHASE SERVICES (8.0%):					\$ 27,000.00
*TOTAL ESTIMATED PROJECT COST:					\$ 406,000.00

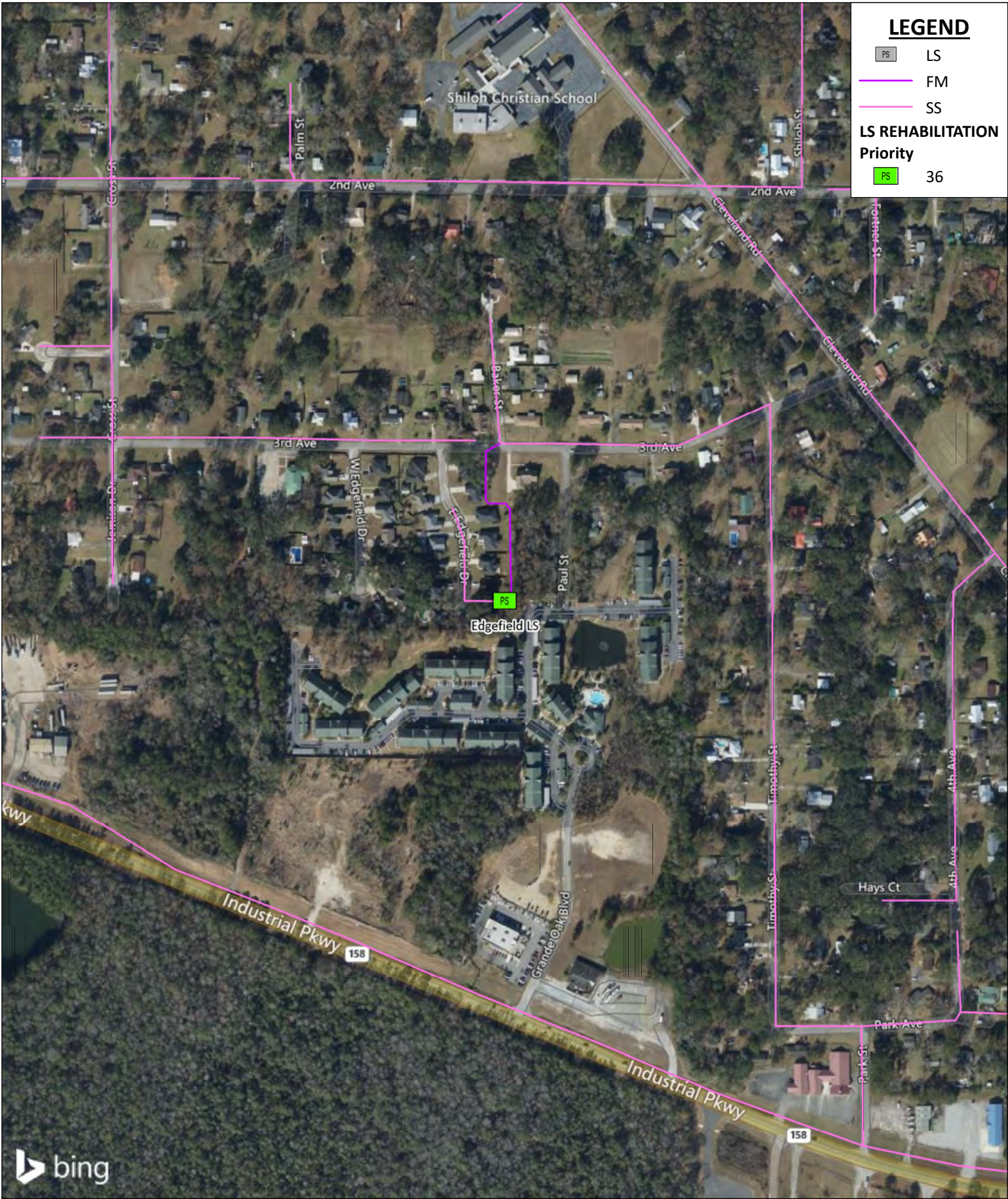
* Cost rounded up to nearest thousand.




KALIFIELD LIFT STATION

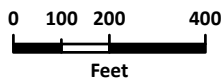
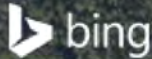






LEGEND

	LS
	FM
	SS
LS REHABILITATION Priority	
	36



SARALAND WATER AND SEWER SERVICE
Sanitary Sewer Collection System Master Plan
Lift Station
Priority Category 4 - Priority 36



SARALAND WATER AND SEWER SERVICE
Sanitary Sewer Collection System Master Plan
Lift Stations
Preliminary Cost Estimate

EDGEFIELD LIFT STATION					
PRIORITY CATEGORY 4 - LONG-TERM/MONITOR					
PRIORITY 36					
Item No.	Description	Unit	Approx. Quantities	Approx. Unit Price	Est. Cost
G-01	Mobilization and Demobilization (NTE 5% Construction Costs)	LS	1	\$ 13,510.13	\$ 13,510.13
G-02	General Demolition	LS	1	\$ 10,000.00	\$ 10,000.00
G-03	Temporary Bypass Pumping	LS	1	\$ 25,000.00	\$ 25,000.00
M-01	Piping and Valves	LS	1	\$ 20,000.00	\$ 20,000.00
M-02	Submersible Pumps (2 HP) and Controls	EA	2	\$ 15,000.00	\$ 30,000.00
M-03	Locking Access Hatches with Safety Grating and Hold-Open Arms	LS	1	\$ 10,000.00	\$ 10,000.00
S-01	Wet Well Inspection and Repair	SF	126	\$ 20.00	\$ 2,520.00
S-02	Wet Well Lining	SF	126	\$ 67.00	\$ 8,442.00
E-01	Electrical, Instrumentation, and Controls	LS	1	\$ 110,200.00	\$ 110,200.00
SUBTOTAL:					\$ 229,672.13
25% CONTINGENCY:					\$ 57,418.03
*TOTAL OPINION OF PROBABLE CONSTRUCTION COST:					\$ 288,000.00
*ENGINEERING DESIGN (13.0%):					\$ 38,000.00
*CONSTRUCTION PHASE SERVICES (8.0%):					\$ 24,000.00
*TOTAL ESTIMATED PROJECT COST:					\$ 350,000.00

* Cost rounded up to nearest thousand.



EDGEFIELD. LIFT STATION



**BOARD OF WATER AND SEWER COMMISSIONERS OF THE CITY OF SARALAND
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FINAL REPORT
JUNE 2022**





LEGEND

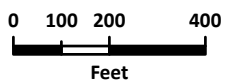
- PS LS
- FM
- SS

**LS REHABILITATION
Priority**

- PS 37

Woodlands LS

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SARALAND WATER AND SEWER SERVICE
Sanitary Sewer Collection System Master Plan
Lift Station
Priority Category 4 - Priority 37



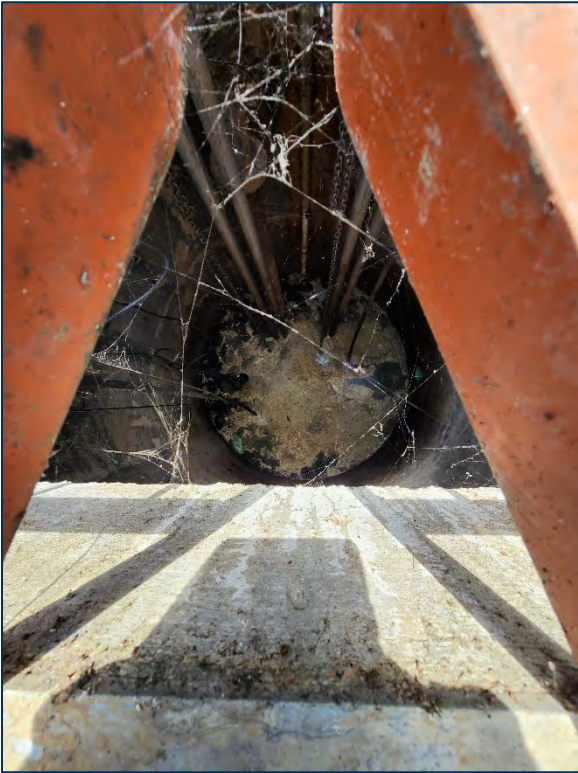
SARALAND WATER AND SEWER SERVICE
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WOODLANDS LIFT STATION PRIORITY CATEGORY 4 - LONG-TERM/MONITOR PRIORITY 37					
Item No.	Description	Unit	Approx. Quantities	Approx. Unit Price	Est. Cost
G-01	Mobilization and Demobilization (NTE 5% Construction Costs)	LS	1	\$ 14,439.75	\$ 14,439.75
G-02	General Demolition	LS	1	\$ 10,000.00	\$ 10,000.00
G-03	Temporary Bypass Pumping	LS	1	\$ 25,000.00	\$ 25,000.00
M-01	Piping and Valves	LS	1	\$ 20,000.00	\$ 20,000.00
M-02	Submersible Pumps (20 HP) and Controls	EA	2	\$ 36,000.00	\$ 72,000.00
M-03	Locking Access Hatches with Safety Grating and Hold-Open Arms	LS	1	\$ 10,000.00	\$ 10,000.00
S-01	Wet Well Inspection and Repair	SF	228	\$ 20.00	\$ 4,560.00
S-02	Wet Well Lining	SF	228	\$ 67.00	\$ 15,276.00
E-01	Electrical, Instrumentation, and Controls	LS	1	\$ 74,200.00	\$ 74,200.00
SUBTOTAL:					\$ 245,475.75
25% CONTINGENCY:					\$ 61,368.94
*TOTAL OPINION OF PROBABLE CONSTRUCTION COST:					\$ 307,000.00
*ENGINEERING DESIGN (13.0%):					\$ 40,000.00
*CONSTRUCTION PHASE SERVICES (8.0%):					\$ 25,000.00
*TOTAL ESTIMATED PROJECT COST:					\$ 372,000.00

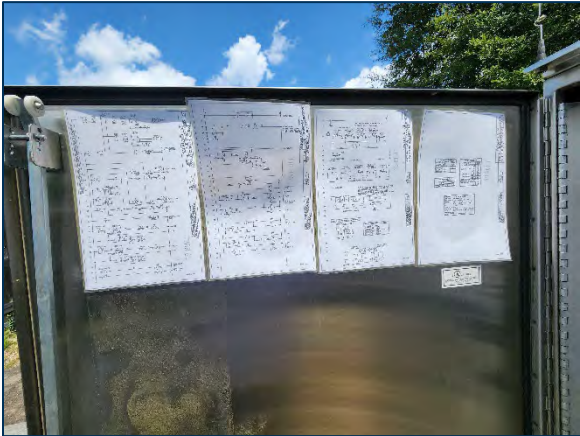
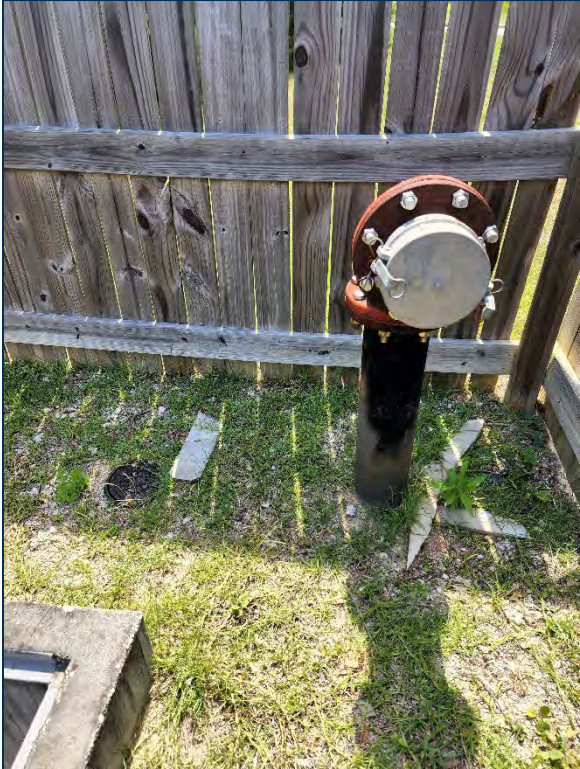
* Cost rounded up to nearest thousand.

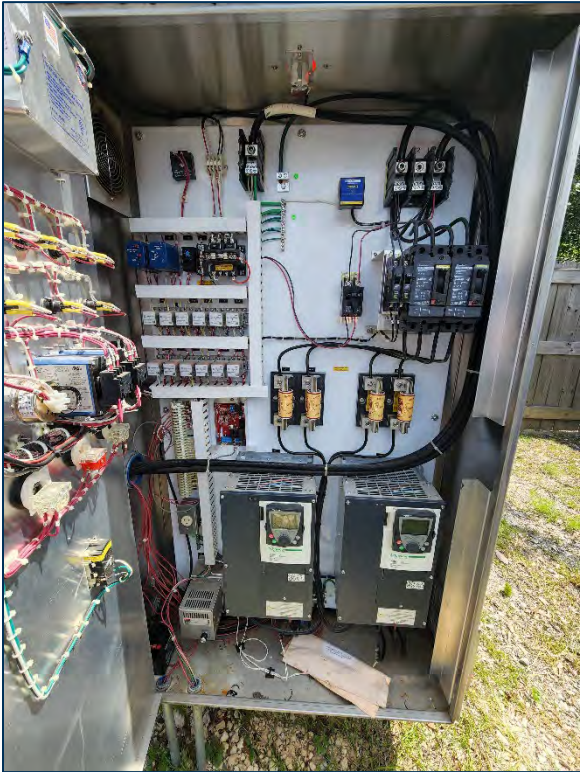


WOODLANDS LIFT STATION



BOARD OF WATER AND SEWER COMMISSIONERS OF THE CITY OF SARALAND
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VOLKERT

VOLKERT, INC.
1110 MONTLIMAR DR., SUITE 1050
MOBILE, ALABAMA 36609
PH (251) 342-1070