



CONFINED  
 SPACE ENTRY  
 PERMIT  
 REQUIRED

### PROJECT DESCRIPTION

REMOVE AND REPLACE EXISTING WET WELL FIBERGLASS DECKING AND ISOLATION GATES.

REMOVE AND REPLACE EXISTING WET WELL ALUMINUM SAFETY RAIL SYSTEM WITH A BASIC IN-LINE TWO-RAIL FIBERGLASS GUARDRAIL SYSTEM THAT MEETS OR EXCEEDS CURRENT OSHA REQUIREMENTS.

REMOVE EXISTING PROTECTIVE LINER (SPRAYWALL).

REPAIR, REHAB EXISTING WET WELL CONCRETE STRUCTURE AND APPLY NEW PROTECTIVE SPRAY LINER.

REMOVE AND REPLACE EXISTING WET WELL LIGHTS WITH LED EXPLOSION-PROOF (CLASS I, DIVISION I). COUNTY WILL PROVIDE THE INTERIOR LIGHTING FIXTURES AND MOUNTING BRACKETS. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OTHER ITEMS.

REMOVE AND REUSE EXISTING DIMMINUTOR, CONTROL PANEL, ACCESS HATCHES, AND BAR SCREEN.

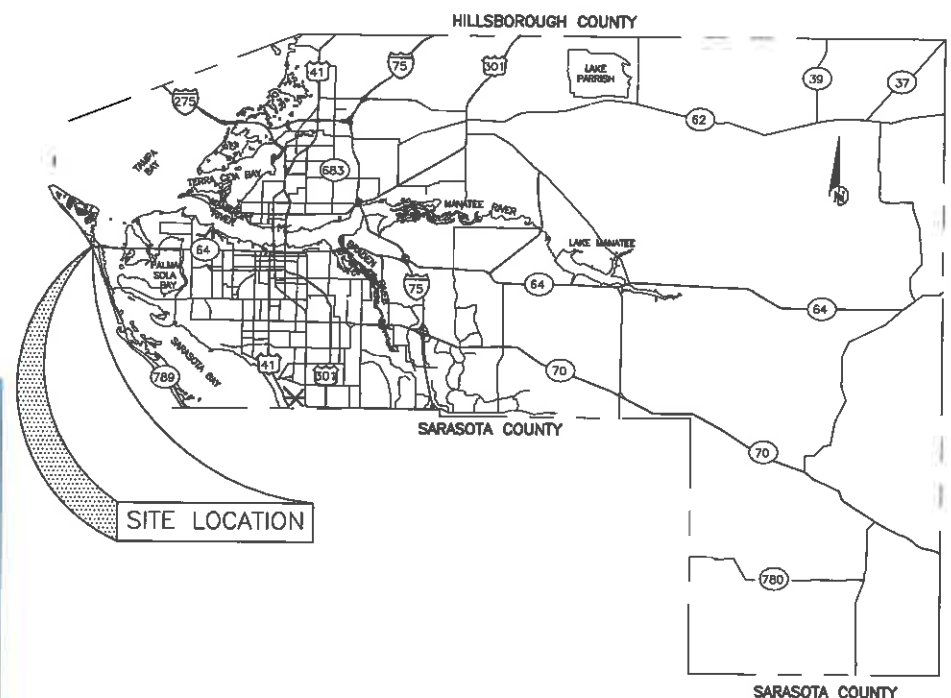
REMOVE AND REPLACE WET WELL ACCESS HATCHES.

REMOVE AND INSTALL NEW EXTERIOR LIGHTING, CONDUIT, ETC ALONG THE WEST SIDE OF THE MLS BUILDING. CONTRACTOR TO FURNISH ALL ITEMS.

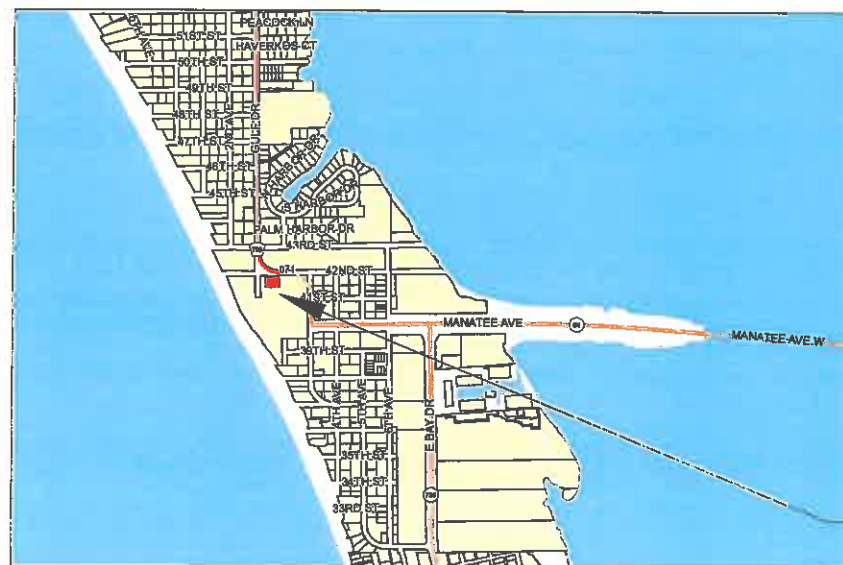
REMOVE AND REPLACE EXISTING WET WELL ACCESS DOOR WITH NEW ALUMINUM DOOR AND FRAME.

NOVEMBER 2016

## 100% PLANS



SITE LOCATION



VICINITY MAP  
N.T.S.

NO.	INDEX OF SHEETS
1.	COVER SHEET
2.	PLAN VIEWS
3.	SECTION VIEWS
4.	WET WELL DETAILS

MASTER LIFT STATION 5	
ITEM	VALUE
RTU	071
STREET ADDRESS	4150 GULF DR
CITY	HOLMES BEACH
SEC./TWN./RGE	28/34/16
DESIGN FLOW	1,830 GPM @ 92.5' TDH
COMMINUTOR ACCESS HATCH DIMENSIONS *	35" X 35" & 30" X 31"
INFLUENT CHANNEL DIMENSIONS *	4' DEEP X 3' WIDE

\* CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS



**PUBLIC WORKS DEPARTMENT  
ENGINEERING SERVICES  
1822 26th Avenue East, Bradenton, FL 34108**

## LIFT STATION UPGRADE

# MASTER LIFT STATION 5 REHAB

COVER SHEET

DATE		BY		REVISION DESCRIPTION		NO.	
PROJECT #				404.6060786			
SURVEY #				-			
SEC./TWN./RGE				28/34/16			
SCALE				NTS			
		BY		DATE			
SURVEYED		-		-			
DESIGNED		JSS		2/16			
DRAWN		JSS		2/16			
CHECKED		-		3/16			

J. STEVENSON, P.E.

FLORIDA SURVEYING & MAPPING, INC.

STATE OF FLORIDA

No. 60923

11/11/16

PROFESSIONAL ENGINEER

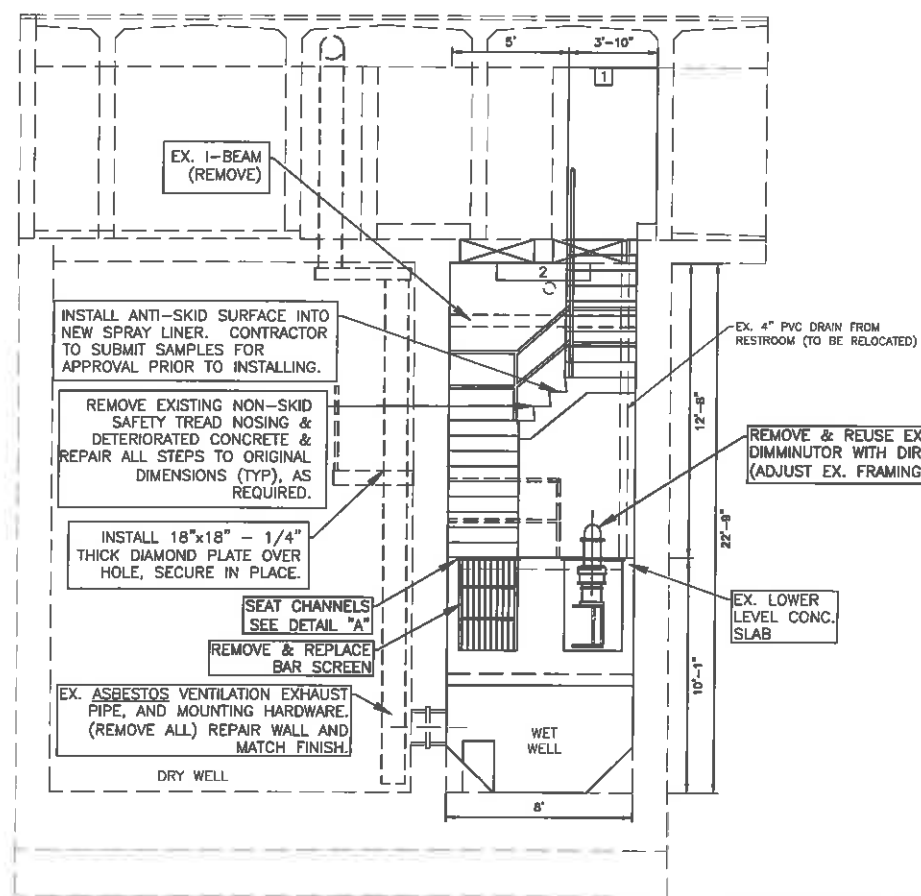
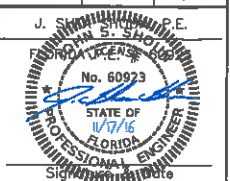
SURVEYING & MAPPING

SHEET 1 OF 4



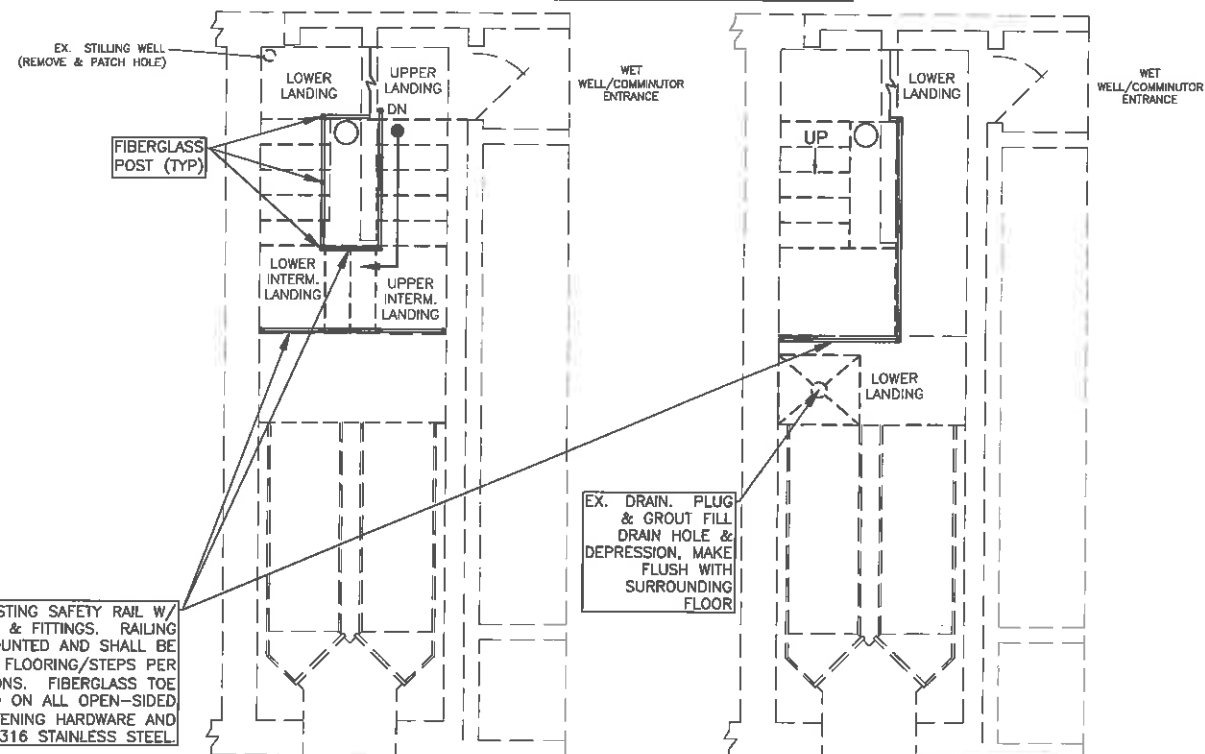
**LIFT STATION UPGRADE  
MASTER LIFT STATION 5 REHAB  
SECTION VIEWS**

NO.		REVISION DESCRIPTION	BY	DATE
PROJECT #		404.6060786		
SURVEY #		-		
SEC./TWN./RGE		28/34/16		
VERT. SCALE		NTS		
HORZ. SCALE		1"=4'		
	BY	DATE		
SURVEYED	-	-		
DESIGNED	JSS	2/16		
DRAWN	JSS	2/16		
CHECKED	-	3/16		



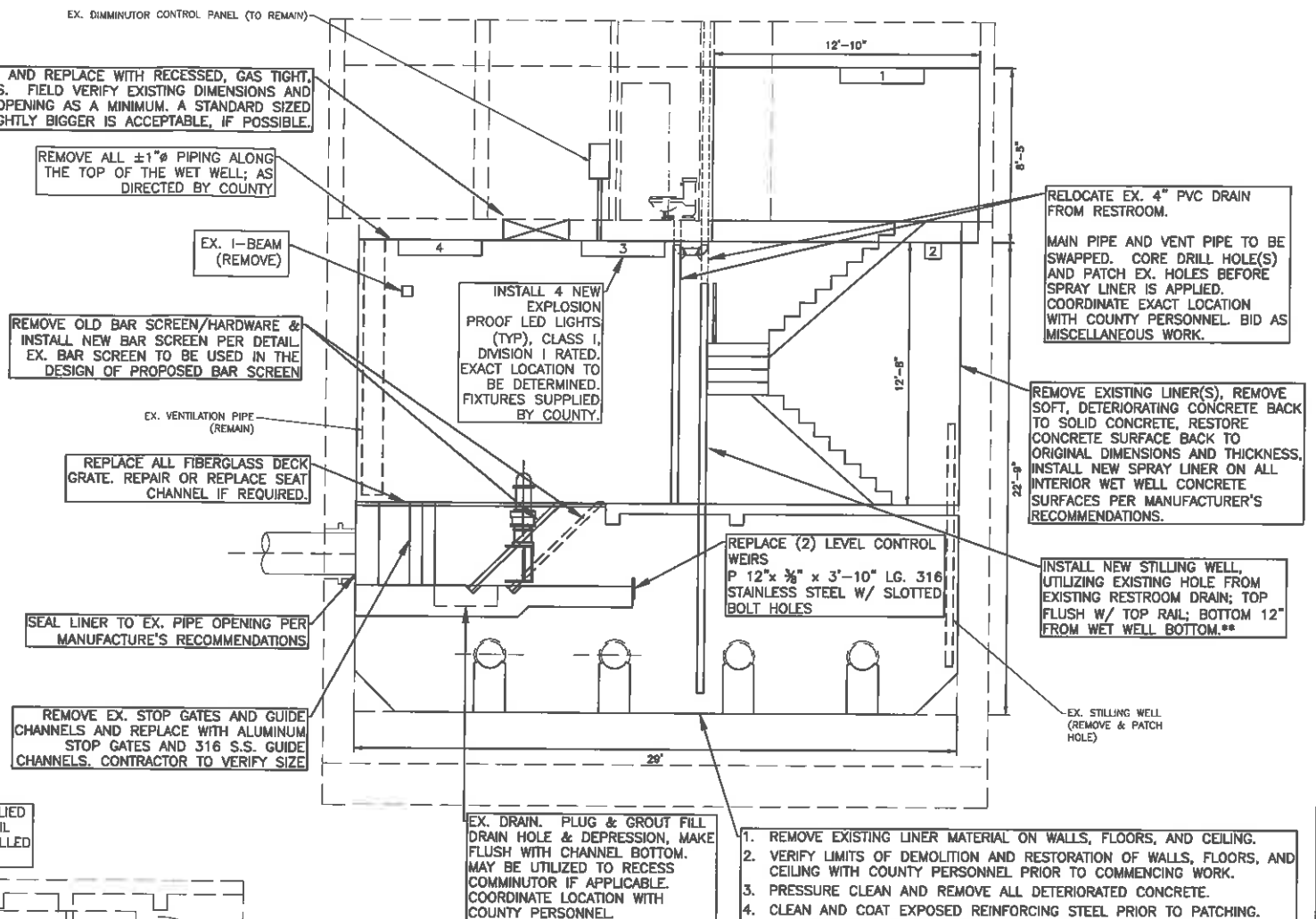
SECTION BB

NTS



## GUARDRAIL LAYOUT

NTS



SECTION AA

NTS

1. REMOVE EXISTING LINER MATERIAL ON WALLS, FLOORS, AND CEILING.
2. VERIFY LIMITS OF DEMOLITION AND RESTORATION OF WALLS, FLOORS, AND CEILING WITH COUNTY PERSONNEL PRIOR TO COMMENCING WORK.
3. PRESSURE CLEAN AND REMOVE ALL DETERIORATED CONCRETE.
4. CLEAN AND COAT EXPOSED REINFORCING STEEL PRIOR TO PATCHING.
5. RESTORE CONCRETE TO ORIGINAL PROFILE.
6. STOP ALL GROUND WATER INFILTRATION.
7. AFTER RESTORATION INSTALL NEW SPRAY LINER.

\*\* CORE DRILL HOLE, INSTALL  
SPRAY LINER, AND THEN  
INSTALL PIPING AFTER SPRAY  
LINER IS APPLIED AND CURED.  
COORDINATE EXACT LOCATION  
WITH COUNTY PERSONNEL.

SECTION 16108 MISCELLANEOUS EQUIPMENT NOTES:

1. PLEASE REFER TO THE SPECIFICATION FOR THE FOLLOWING ITEMS:
- A. COMMUNUTOR.
  - B. STRUCTURAL FIBERGLASS.
  - C. CHANNEL STOP GATES.



## WET WELL FRAMING



- NOTE:
1. ALL FIBERGLASS STRUCTURAL SUPPORTS, GRATING, AND STAIRWAY SYSTEMS SHALL BE DESIGNED TO 100 LB./S.F LIVE LOAD
  2. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS.
  3. ALL MOUNTING HARDWARE SHALL BE 316 S.S., UNLESS OTHERWISE NOTED.

