

Know what's below.  
Call before you dig.

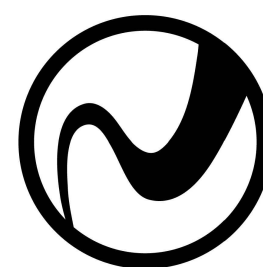








REVISIONS
2020-06-26: PER BGIWSC COMMENTS
2020-08-06: PER BGIWSC COMMENTS
2020-08-12: PER BGIWSC COMMENTS



**ROBERTS**  
CIVIL ENGINEERING  
ST. SIMONS ISLAND | SAVANNAH | JACKSONVILLE | CHARLESTON  
[WWW.ROBERTSCIVILENGINEERING.COM](http://WWW.ROBERTSCIVILENGINEERING.COM)

## EXISTING CONDITIONS PLAN

PS 4059 IMPROVEMENT PLANS  
GLYNN COUNTY, GA

PREPARED FOR:  
COASTAL CLUB BRUNSWICK, LLC

DATE: 2020-05-04

PROJECT NUMBER: 18122

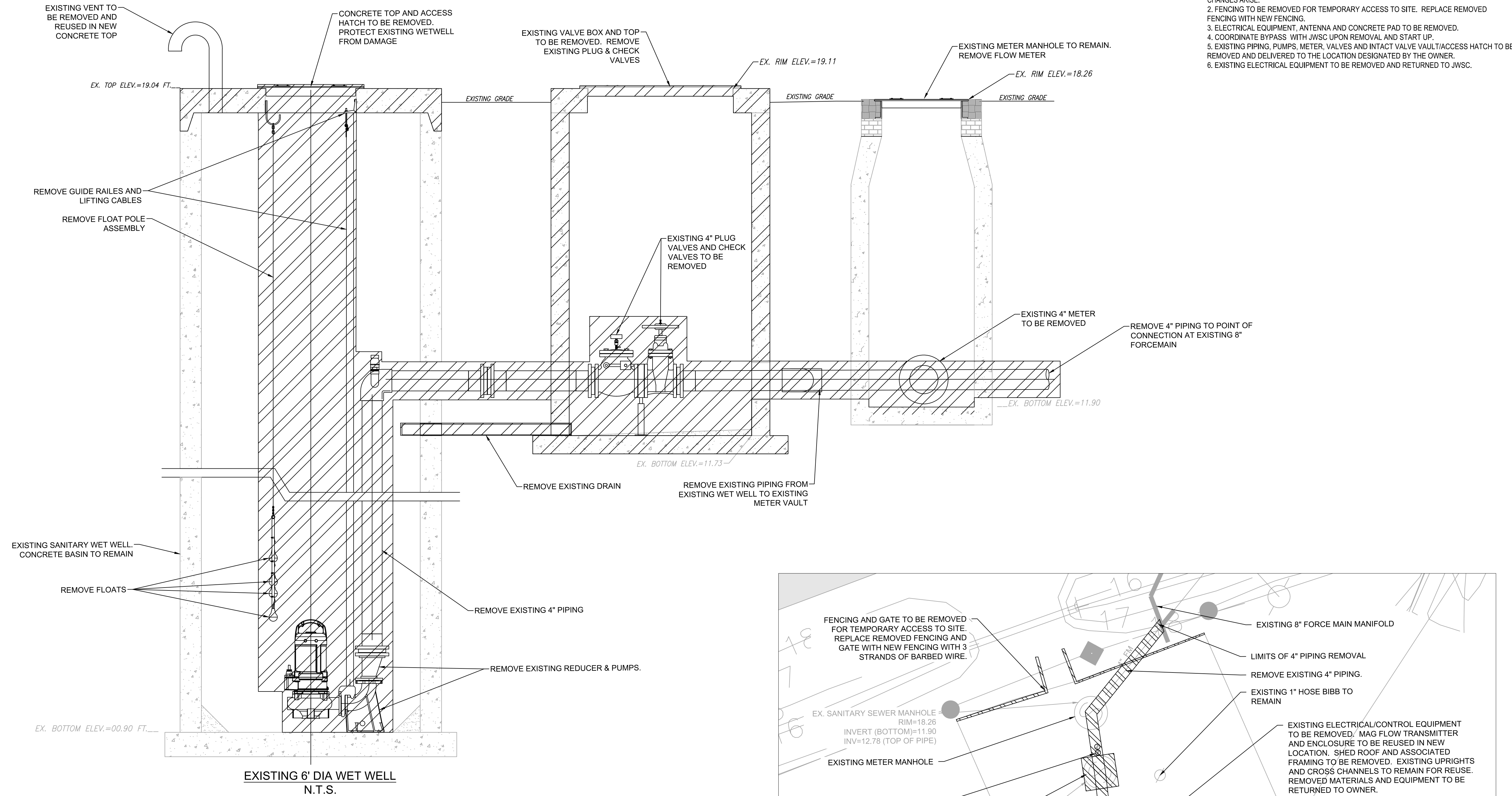
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CHECKED BY: JDR

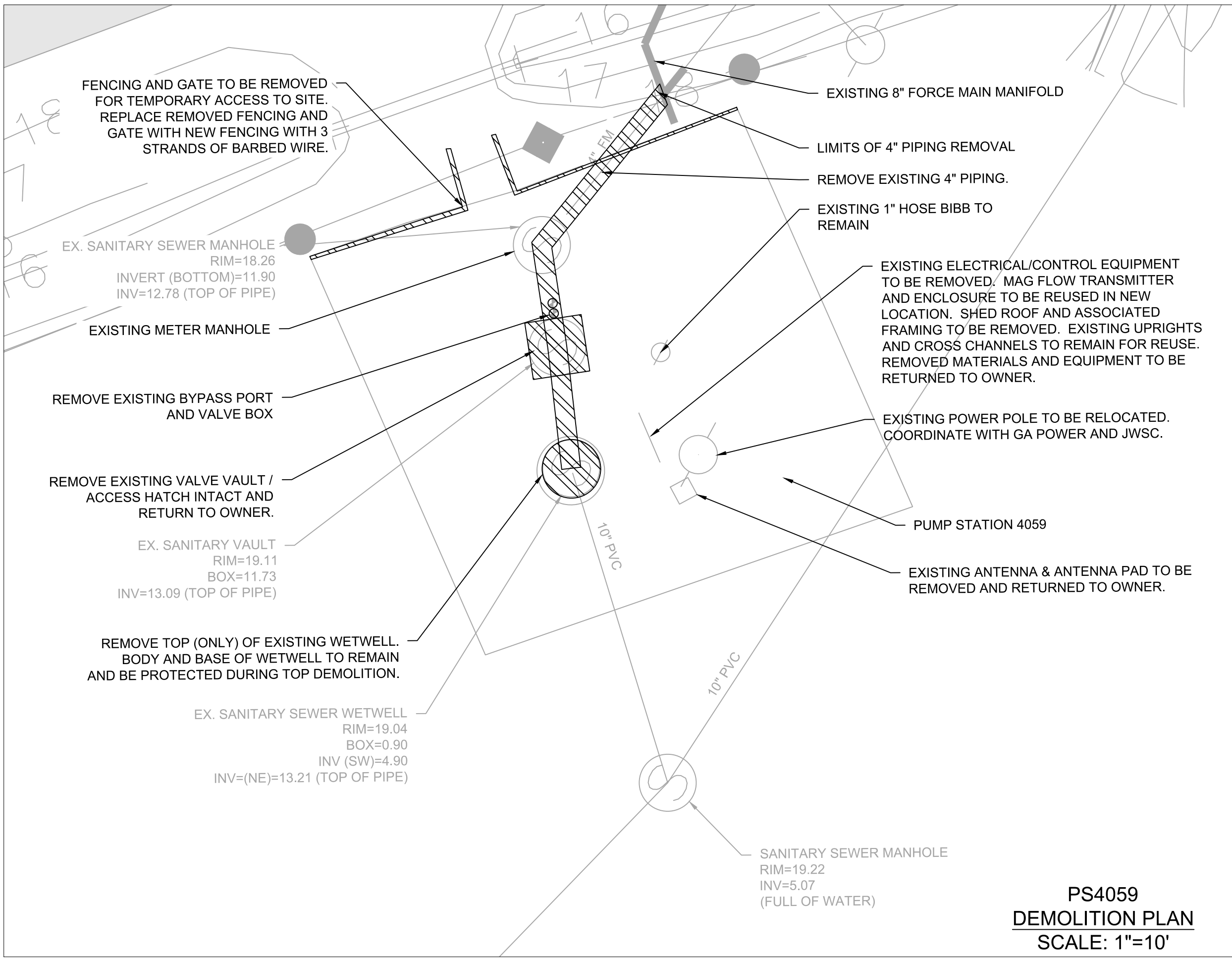
SCALE: 1"=20' (FOR 24"X36" PLOT)

3

SHEET:



- NOTES:
1. CONTRACTOR TO FIELD VERIFY ALL EXISTING DIMENSIONS & CONDITIONS PRIOR TO CONSTRUCTION OR FABRICATION. NOTIFY OWNER (JWSC) IMMEDIATELY IF CONFLICTS OR CHANGES ARISE.
  2. FENCING TO BE REMOVED FOR TEMPORARY ACCESS TO SITE. REPLACE REMOVED FENCING WITH NEW FENCING.
  3. ELECTRICAL EQUIPMENT, ANTENNA AND CONCRETE PAD TO BE REMOVED.
  4. COORDINATE BYPASS WITH JWSC UPON REMOVAL AND START UP.
  5. EXISTING PIPING, PUMPS, METER, VALVES AND INTACT VALVE VAULT/ACCESS HATCH TO BE REMOVED AND DELIVERED TO THE LOCATION DESIGNATED BY THE OWNER.
  6. EXISTING ELECTRICAL EQUIPMENT TO BE REMOVED AND RETURNED TO JWSC.



PS4059  
DEMOLITION PLAN  
SCALE: 1"=10'



REVISIONS
2020-06-26: PER BGJWSC COMMENTS
2020-08-06: PER BGJWSC COMMENTS
2020-08-12: PER BGJWSC COMMENTS

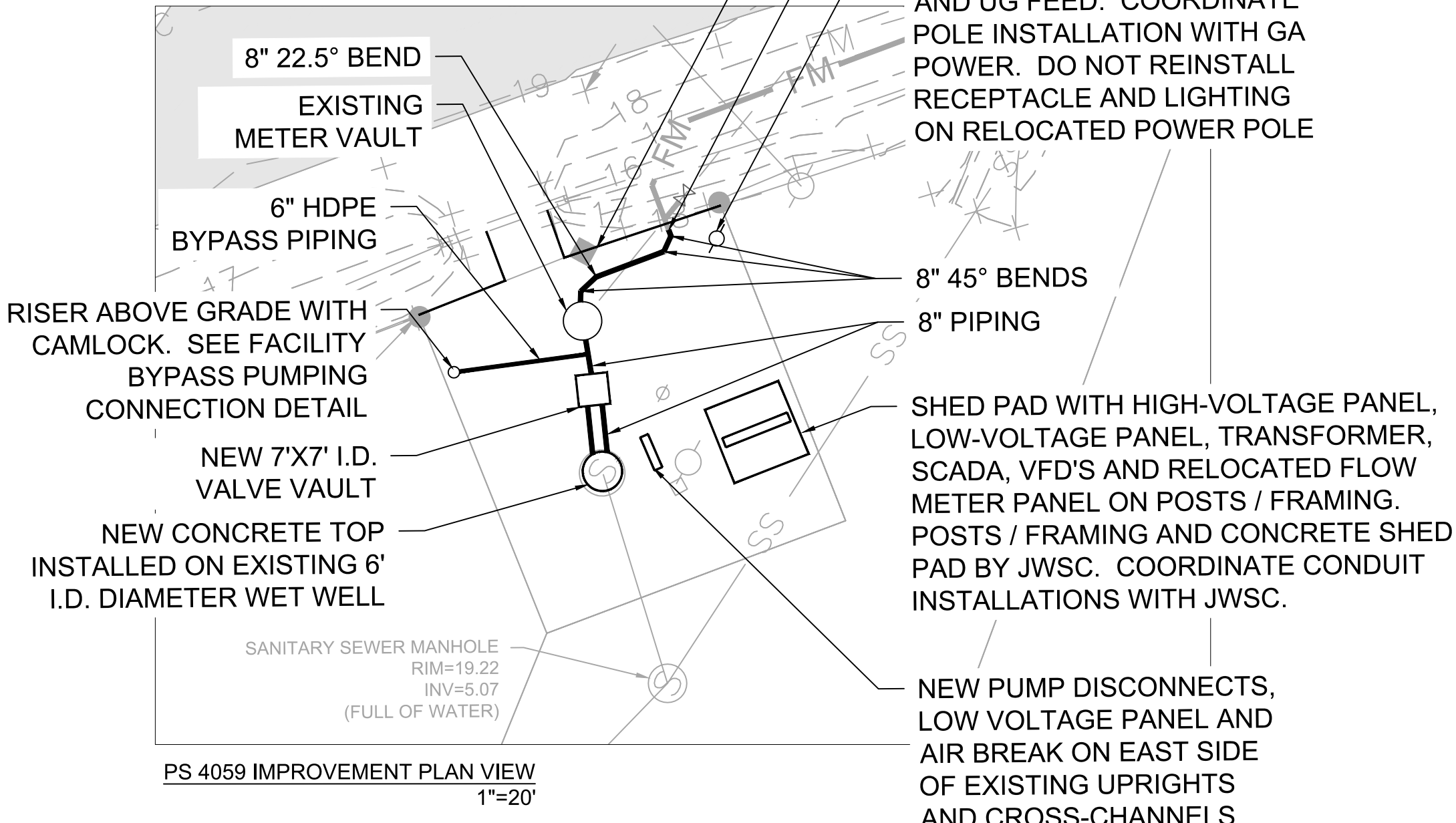


PUMP STATION 4059 DEMOLITION PLAN

PS 4059 IMPROVEMENT PLANS  
GLYNN COUNTY, GA  
PREPARED FOR:  
COASTAL CLUB BRUNSWICK, LLC

DATE: 2020-05-04  
PROJECT NUMBER: 18122  
DRAWN BY: BLH  
CHECKED BY: JDR  
SCALE: AS SHOWN





PUMP DATA TABLE	
MANUFACTURER	AMAREX
MODEL	KRT F 80-250/46XG-S
VOLTAGE	230
PHASE	3
HP	6.5
FLA	-
RPM	1160
GPM	454
HEAD (Feet)	21.90

Diagram illustrating the installation of a VEGA radar sensor in a concrete wall. The sensor is mounted vertically, with the mounting bracket secured by a UNISTRUT P1000 SS POST and a UNISTRUT P1000 SS HORIZONTAL BRACE TO LB WITH SS CLAMP AROUND LB NECK. The mounting bracket is secured to the post with a UNISTRUT P1358 4-HOLE SS GUSSET PLATE. The sensor cable is protected by a 1" LB (Lead) and a CORD GRIP. The sensor is connected to a VEGA RADAR unit. The sensor is mounted through a hole in the concrete wall, with a 12" - 18" MIN. opening. The sensor is secured with a SS RIGID CONDUIT CLAMP and a 1" SCHEDULE 80 PVC CONDUIT. The sensor is secured with a 4 HOLE SINGLE CHANNEL SS POST BASE WITH EPOXY SS ANCHORS. The sensor is secured with a SS RIGID CONDUIT CLAMP. The sensor is secured with a NEW CONCRETE TOP. The sensor is secured with a PROVIDE OPENING LARGE ENOUGH FOR SENSOR TO PASS.

**GENERAL CONSTRUCTION NOTES:**

1. CONTRACTOR SHALL COORDINATE AND SCHEDULE WITH THE OWNER (JWSC) ANY SYSTEM SHUTDOWNS NECESSARY FOR THE CONSTRUCTION OF THE PROPOSED IMPROVEMENTS.
2. THE CONTRACTOR SHALL COORDINATE ALL WORK WITH THE OWNER, JOINT WATER & SEWER COMMISSION CONTACT TODD KLINE, P.E. AT 912-261-7122.
3. CONTRACTOR SHALL PROVIDE AND MAINTAIN BY-PASS PUMPING DURING THE ENTIRE CONSTRUCTION PERIOD AT NO ADDITIONAL COST TO THE OWNER. THE CONTRACTOR SHALL PREPARE A SUBMIT A BY-PASS PLAN TO THE ENGINEER ANDOR THE JWSC FOR REVIEW AND APPROVAL.
4. ALL WORK TO BE PERFORMED THAT IS NOT DEFINED BY THE CONTRACT DOCUMENTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STATE, COUNTY AND/OR LOCAL CODES.
5. CONTRACTOR TO PROVIDE AND MAINTAIN ALL NECESSARY BARRICADES, SUFFICIENT LIGHTING, SIGNS AND OTHER TRAFFIC CONTROL METHODS AS MAY BE NECESSARY FOR THE PROTECTION AND SAFETY OF THE PUBLIC AND SHALL BE PROVIDED AND MAINTAINED THROUGHOUT THE DURATION OF THE POSSED CONSTRUCTION IMPROVEMENTS.
6. THE UTILITIES SHOWN ARE FOR THE CONTRACTORS CONVENIENCE ONLY. THERE MAY BE UTILITIES OTHER THAN THOSE SHOWN ON THESE PLANS. THE OWNER AND ENGINEER ASSUME NO RESPONSIBILITY FOR THE LOCATIONS SHOWN AND IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO VERIFY THE LOCATIONS OF ALL UTILITIES WITHIN THE LIMITS OF WORK. DAMAGES MADE TO EXISTING UTILITIES BY THE CONTRACTOR SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE REPAIRED AT NO EXPENSE TO THE OWNER.
7. CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO EXCAVATION. CONTRACTOR SHALL NOTIFY ALL UTILITY OWNERS AT LEAST 72 HOURS PRIOR TO CONSTRUCTION (810 R OR 262-7411). ANY CONFLICTS SHALL BE IMMEDIATELY REPORTED TO THE OWNER.
8. CONTRACTOR SHALL NOTIFY USING AGENCY AT LEAST 72 HOURS IN ADVANCE IF ANY UTILITY SERVICE (E.G. WATER, SEWER, GAS, POWER, TELEPHONE, ETC.) IS TO BE TEMPORARILY INTERRUPTED IN ORDER TO CONSTRUCT IMPROVEMENTS.
9. CONTRACTOR IS RESPONSIBLE FOR ALL REQUIRED STATE & LOCAL PERMITTING FOR CONSTRUCTION.
10. ALL METALLIC FASTENERS & HARDWARE TO BE 316 STAINLESS STEEL.
11. COORDINATE WITH G&W WATER DISTRIBUTION DIVISION FOR RELOCATION OF EXISTING WATER SERVICES(S).
12. COORDINATE WITH G&W POWER DISTRIBUTION DIVISION FOR RELOCATION OF EXISTING POWER POLE(S) AS NECESSARY. G&W POWER CONTACT IS GREG MCCARRANNE (912) 506-2181

NEW PUMP DISCONNECTS.  
LOW VOLTAGE PANEL AND  
AIR BREAK ON EAST SIDE  
OF EXISTING UPRIGHTS  
AND CROSS-CHANNELS

PREPARED FOR:  
COASTAL CLUB BRUNSWICK, LLC

COASTAL CLUB BRUNSWICK, LLC

SCALE: AS SHOWN

SHEET



No. 034205  
PROFESSION

44

ENGINEER

08/12/2020

REVISIONS

GJWSC COMMENTS

GJWSC COMMENTS

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SN

# INTRODUCTION

# OVERVIEW

# 9.1MPR

PS 405

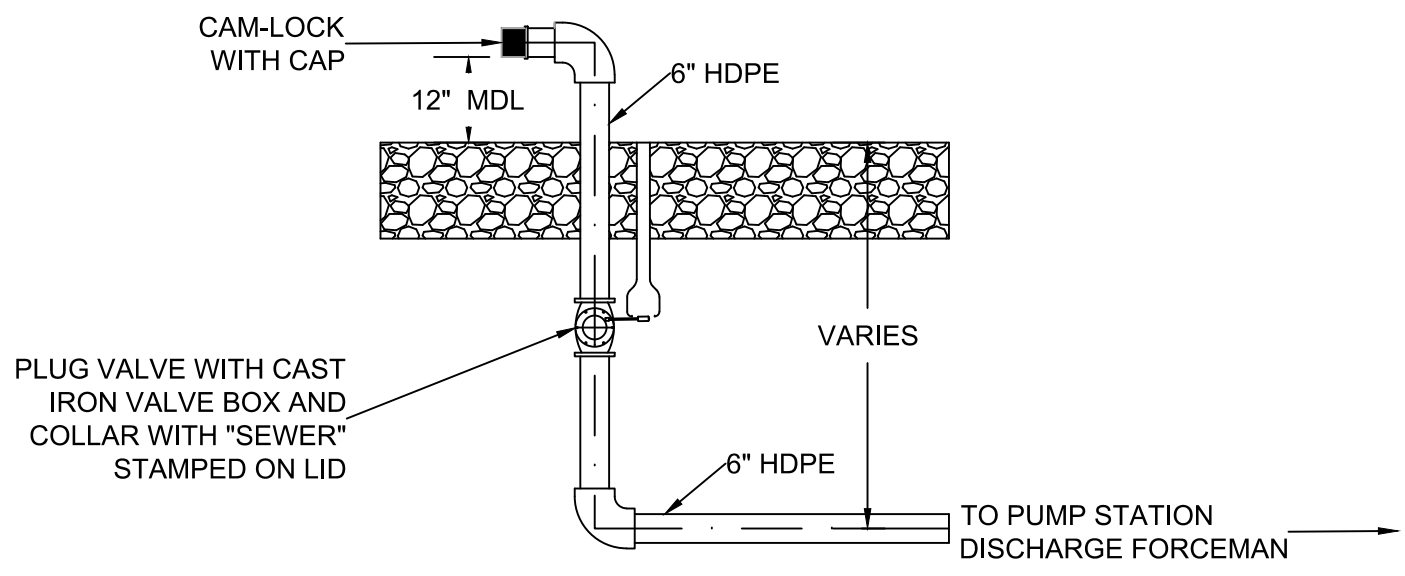
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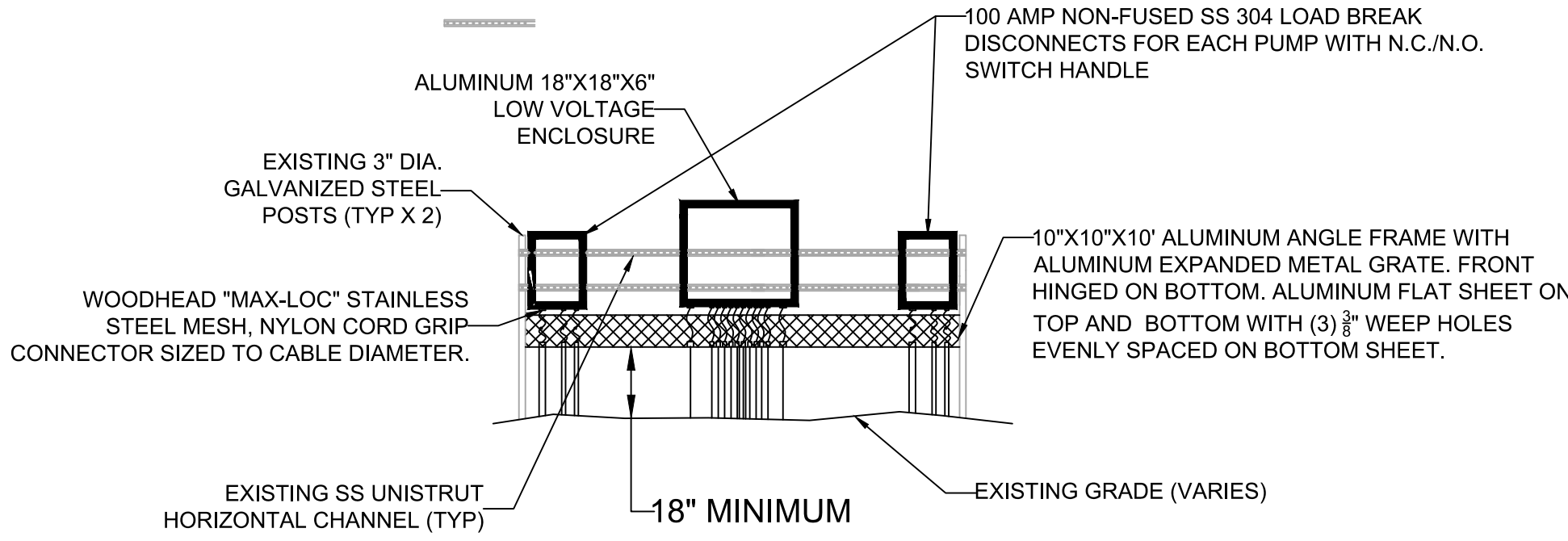
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SH

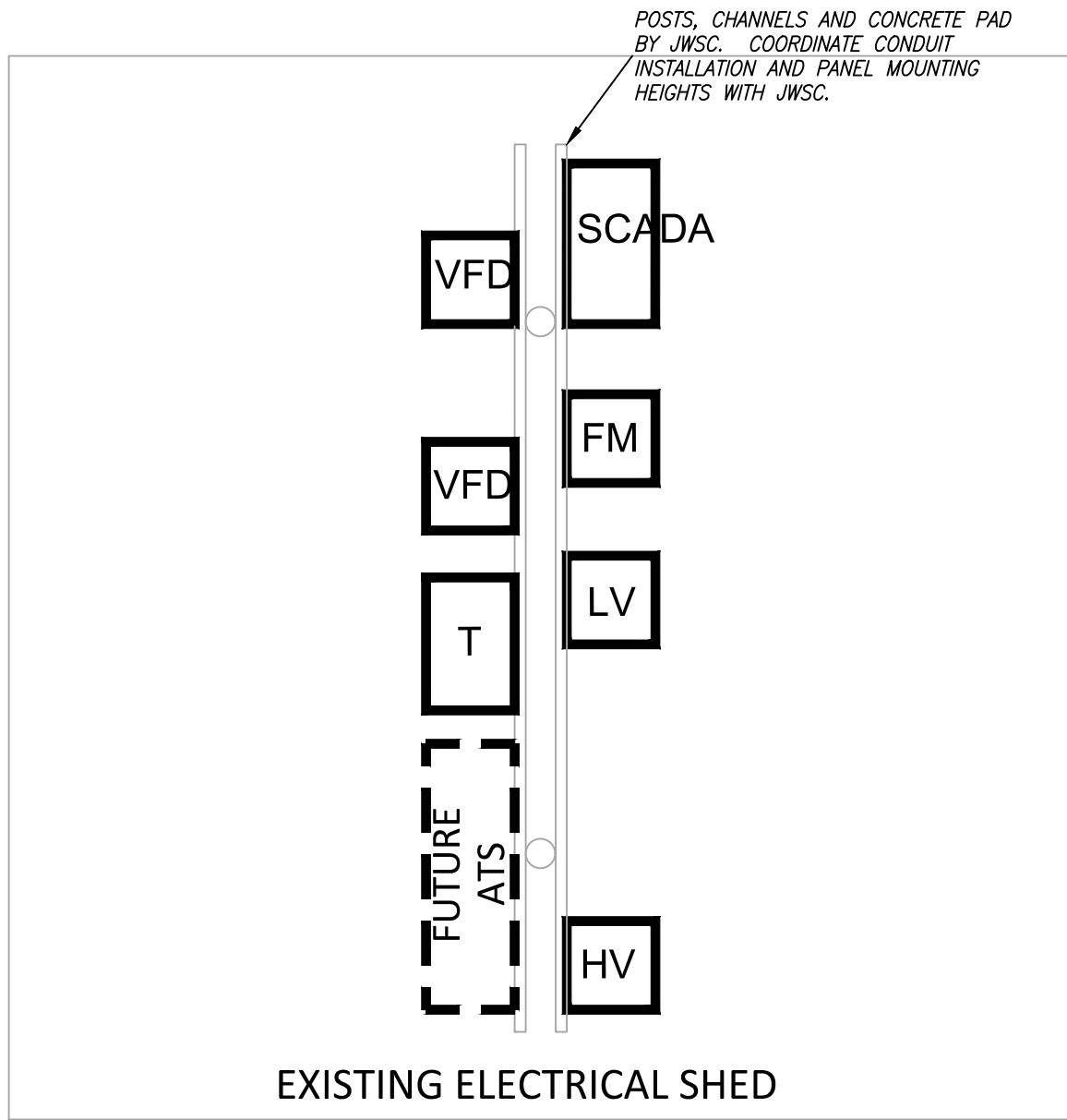




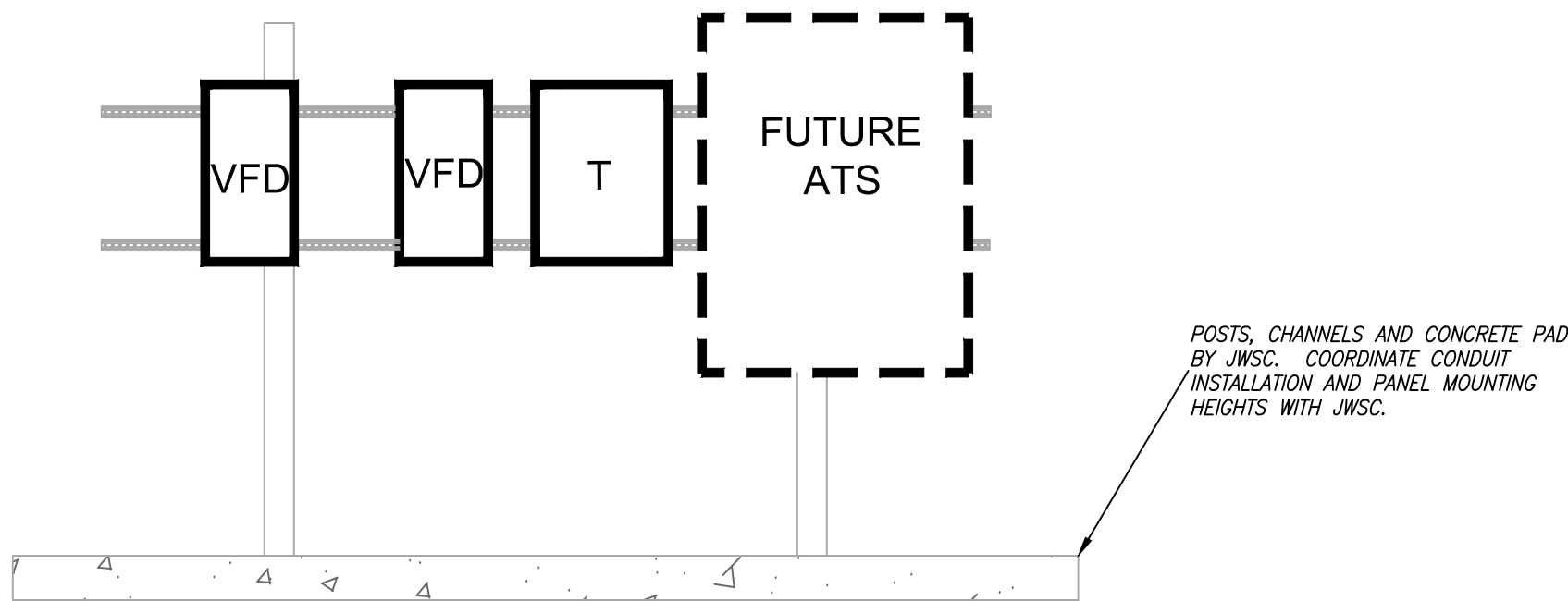
FACILITY BYPASS PUMPING CONNECTION  
N.T.S.



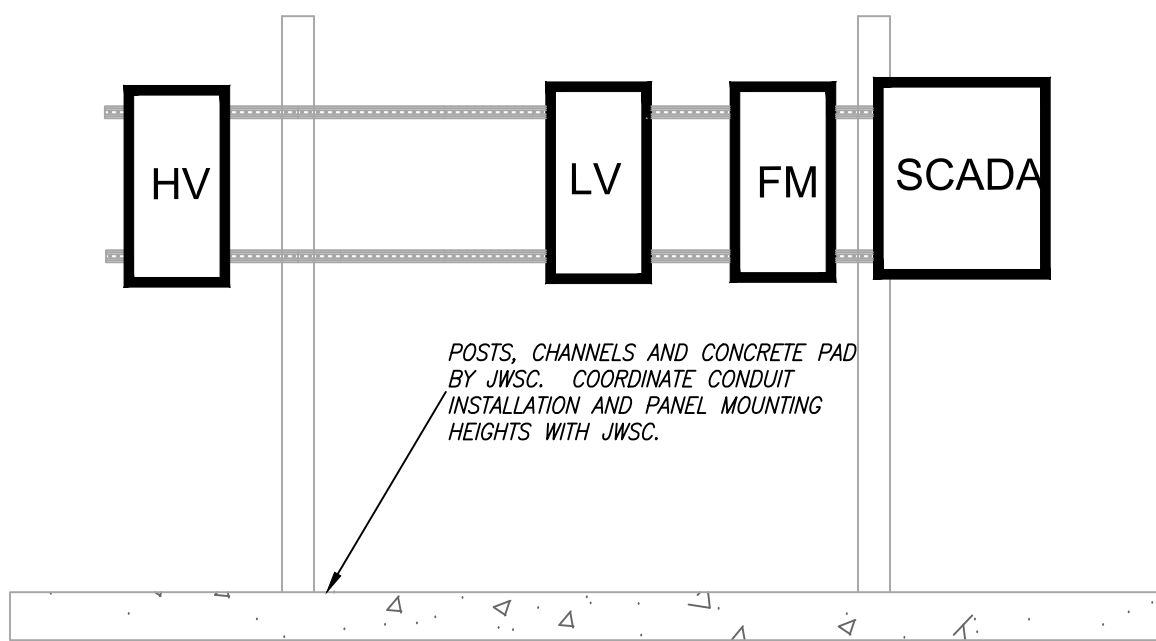
WETWELL MOTOR DISCONNECT(S) DETAIL TYP.  
N.T.S.



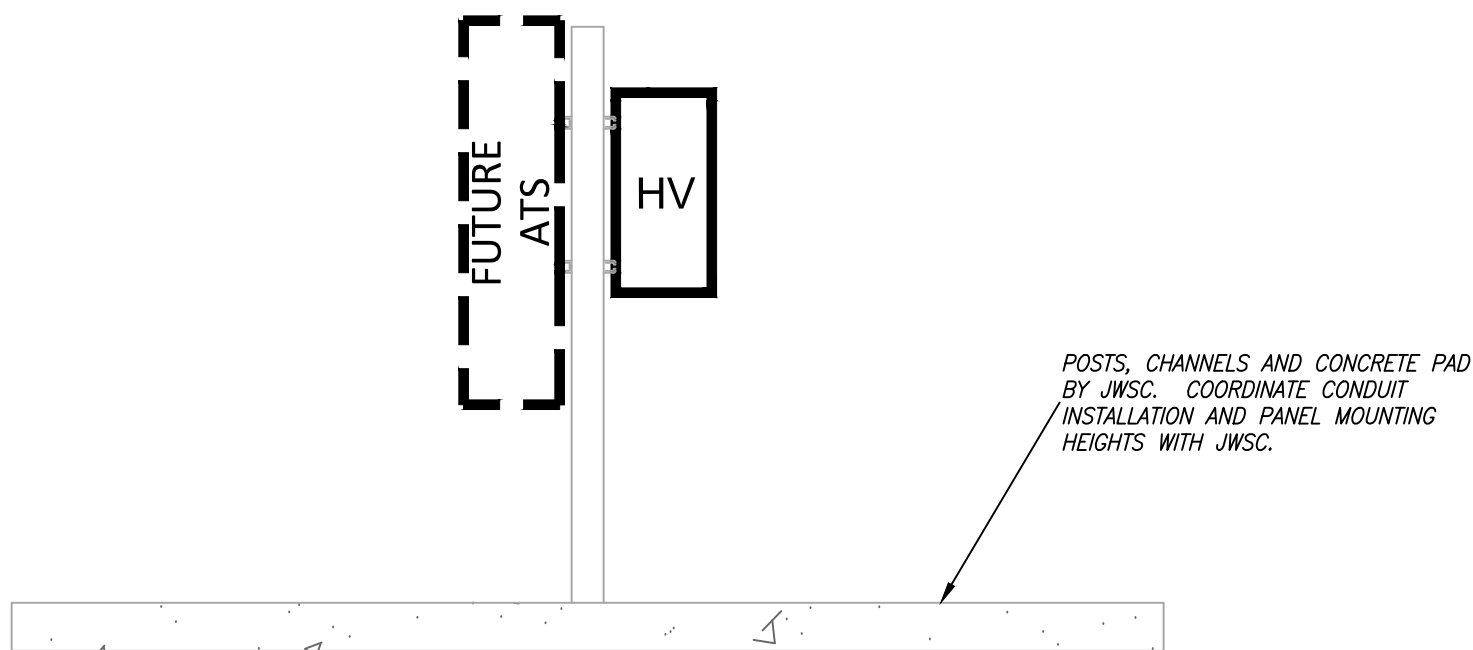
SHED PAD ELECTRICAL-PANEL LAYOUT PLAN  
N.T.S.



SHED PAD ELECTRICAL - FRONT ELEVATION  
N.T.S.



SHED PAD ELECTRICAL - BACK ELEVATION  
N.T.S.



SHED PAD ELECTRICAL - SIDE ELEVATION  
N.T.S.

FENCING SHALL BE CONSTRUCTED AS FOLLOWS:  
a. THE FENCE SHALL BE SIX (6) FEET HIGH, CONSISTING OF TWO (2) INCH MESH BY NINE (9) GAUGE ALUMINUM COATED STEEL FABRIC CONFORMING TO THE LATEST REVISION OF ASTM A-491. THE FENCE SHALL HAVE A SEVEN (7) GAUGE ALUMINUM COATED STEEL COIL SPRING TENSION WIRE ALONG THE BOTTOM OF THE FENCE FABRIC. THREE STRANDS OF TWELVE AND ONE-HALF (12-1/2) GAUGE ALUMINUM COATED STEEL OF BARBED WIRE WITH FOUR (4) POINT ALUMINUM BARB SPACED FIVE (5) INCHES APART MOUNTED ON THE BARBED WIRE SUPPORT ARMS SHALL BE INSTALLED ALONG THE TOP OF THE FENCE FABRIC.  
b. THE POSTS SHALL BE GALVANIZED LINE POSTS, TWO AND A HALF (2 1/2) INCH (3.65 LBS PER FT); GALVANIZED CORNER POSTS, THREE (3) INCH O.D. (2.27 LBS PER FT) WITH EXTRA LONG PRESSED STEEL SLEEVES. CORNER AND GATE POST SHALL HAVE NECESSARY STRUTS AND TIE BRACING. PROVIDE WATER TIGHT CLOSURE CAPS ON ALL POSTS.  
c. GATE SHALL BE A PAIR OF 8'-0" LONG (SIXTEEN (16) FOOT TOTAL WIDTH) SIX (6) FEET HIGH SECTIONS AND SHALL BE EQUIPPED WITH A PROP POST CENTER LATCH AND HASP ASSEMBLY. A GROUND ANCHOR CAST IN CONCRETE SHALL BE PROVIDED. GATES SHALL BE FACTORY FABRICATED, GREEN PVC COATED CONFORMING TO THE LATEST REVISION OF ASTM A-429 AND EQUIPPED WITH GATE HOLDERS. DUCKBILL BACKSTOPS SHALL BE PROVIDED FOR SWING SIDE OF BOTH GATE SECTIONS.

JWSC LIFT STATION FENCING  
JWSC STANDARDS FOR WATER AND SEWER DESIGN AND CONSTRUCTION  
SECTION 4.5.2.2

PIPE BEDDING MATERIALS		
CLASS	TYPE	DESCRIPTION
I		MANUFACTURED ANGULAR GRANULAR MATERIAL, 1/2" TO 1 1/2" SIZE, INCLUDING MATERIALS HAVING REGIONAL SIGNIFICANCE SUCH AS CRUSHED STONE OR ROCK.
II	OW	WELL-SORTED SANDS AND GRAVELS - SAND MIXTURES: LITTLE OR NO FINES, SIZE OR MORE OF COARSE FRACTION RETAINED ON NO. 4 SEIVE, MORE THAN 50% RETAINED ON NO. 200 SEIVE, CLEAN.
	OP	POORLY GRADED SANDS AND GRAVELS - SAND MIXTURES: LITTLE OR NO FINES, SIZE OR MORE OF COARSE FRACTION RETAINED ON NO. 4 SEIVE, MORE THAN 50% RETAINED ON NO. 200 SEIVE, CLEAN.
	SW	WELL-SORTED SANDS AND GRAVELS - SAND MIXTURES: LITTLE OR NO FINES, MORE THAN 50% RETAINED ON NO. 4 SEIVE, MORE THAN 50% RETAINED ON NO. 200 SEIVE, CLEAN.
	SP	POORLY GRADED SANDS AND GRAVELS - SAND MIXTURES: LITTLE OR NO FINES, MORE THAN 50% RETAINED ON NO. 4 SEIVE, MORE THAN 50% RETAINED ON NO. 200 SEIVE, CLEAN.
III	OW	SLTY GRAVELS, GRAVEL - SAND-CLAY MIXTURES, 50% OR MORE OF COARSE FRACTION RETAINED ON NO. 4 SEIVE, MORE THAN 50% RETAINED ON NO. 200 SEIVE, CLEAN.
	OC	CLAYEY GRAVELS, GRAVEL - SAND-CLAY MIXTURES, 50% OR MORE OF COARSE FRACTION RETAINED ON NO. 4 SEIVE, MORE THAN 50% RETAINED ON NO. 200 SEIVE, CLEAN.
	SM	SLTY SANDS, SAND-CLAY MIXTURES, MORE THAN 50% OF COARSE FRACTION PASSES NO. 4 SEIVE, MORE THAN 50% RETAINED ON NO. 200 SEIVE, CLEAN.
	SC	CLAYEY SANDS, SAND-CLAY MIXTURES, MORE THAN 50% OF COARSE FRACTION PASSES NO. 4 SEIVE, MORE THAN 50% RETAINED ON NO. 200 SEIVE, CLEAN.
IV	ML	MODERATE SILTS, VERY FINE SANDS, ROCK FLOCS, SILTY OR CLAYEY FINE SANDS, LIQUID LIMIT 50% OR LESS, SO% OR MORE PASSES NO. 200 SEIVE.
	OL	MODERATE SILTS, VERY FINE SANDS, ROCK FLOCS, SILTY OR CLAYEY FINE SANDS, LIQUID LIMIT 50% OR LESS, SO% OR MORE PASSES NO. 200 SEIVE.
	CL	SANDY CLAYS, SILTY CLAYS, LEAN CLAYS, LIQUID LIMIT 50% OR LESS, SO% OR MORE PASSES NO. 200 SEIVE.
	MH	MODERATE SILTS, MEDIUM TO HIGH PLASTICITY, FINE SANDS OR SILTS, ELASTIC SILTS, LIQUID LIMIT GREATER THAN 50%, SO% OR MORE PASSES NO. 200 SEIVE.
	CH	MODERATE SILTS, HIGH PLASTICITY, FINE SANDS OR SILTS, ELASTIC SILTS, LIQUID LIMIT GREATER THAN 50%, SO% OR MORE PASSES NO. 200 SEIVE.

NOT TO SCALE

BRUNSWICK-GLYNN COUNTY  
JOINT WATER & SEWER  
COMMISSION

700 Gloucester Street, Suite 300 Phone: (912) 261-7110  
Brunswick, Georgia 31520 Fax: (912) 261-7178  
Website: www.bgljwc.org

TRENCH DETAIL - FLEXIBLE PIPE

JWSC STANDARD DETAIL 3-11A

Date: OCTOBER 2011

PIPE BEDDING MATERIALS		
CLASS	TYPE	DESCRIPTION
I		MANUFACTURED ANGULAR GRANULAR MATERIAL, 1/2" TO 1 1/2" SIZE, INCLUDING MATERIALS HAVING REGIONAL SIGNIFICANCE SUCH AS CRUSHED STONE OR ROCK.
II	OW	WELL-SORTED SANDS AND GRAVELS - SAND MIXTURES: LITTLE OR NO FINES, SIZE OR MORE OF COARSE FRACTION RETAINED ON NO. 4 SEIVE, MORE THAN 50% RETAINED ON NO. 200 SEIVE, CLEAN.
	OP	POORLY GRADED SANDS AND GRAVELS - SAND MIXTURES: LITTLE OR NO FINES, SIZE OR MORE OF COARSE FRACTION RETAINED ON NO. 4 SEIVE, MORE THAN 50% RETAINED ON NO. 200 SEIVE, CLEAN.
	SW	WELL-SORTED SANDS AND GRAVELS - SAND MIXTURES: LITTLE OR NO FINES, MORE THAN 50% RETAINED ON NO. 4 SEIVE, MORE THAN 50% RETAINED ON NO. 200 SEIVE, CLEAN.
	SP	POORLY GRADED SANDS AND GRAVELS - SAND MIXTURES: LITTLE OR NO FINES, MORE THAN 50% RETAINED ON NO. 4 SEIVE, MORE THAN 50% RETAINED ON NO. 200 SEIVE, CLEAN.
III	OW	SLTY GRAVELS, GRAVEL - SAND-CLAY MIXTURES, 50% OR MORE OF COARSE FRACTION RETAINED ON NO. 4 SEIVE, MORE THAN 50% RETAINED ON NO. 200 SEIVE, CLEAN.
	OC	CLAYEY GRAVELS, GRAVEL - SAND-CLAY MIXTURES, 50% OR MORE OF COARSE FRACTION RETAINED ON NO. 4 SEIVE, MORE THAN 50% RETAINED ON NO. 200 SEIVE, CLEAN.
	SM	SLTY SANDS, SAND-CLAY MIXTURES, MORE THAN 50% OF COARSE FRACTION PASSES NO. 4 SEIVE, MORE THAN 50% RETAINED ON NO. 200 SEIVE, CLEAN.
	SC	CLAYEY SANDS, SAND-CLAY MIXTURES, MORE THAN 50% OF COARSE FRACTION PASSES NO. 4 SEIVE, MORE THAN 50% RETAINED ON NO. 200 SEIVE, CLEAN.
IV	ML	MODERATE SILTS, VERY FINE SANDS, ROCK FLOCS, SILTY OR CLAYEY FINE SANDS, LIQUID LIMIT 50% OR LESS, SO% OR MORE PASSES NO. 200 SEIVE.
	OL	MODERATE SILTS, VERY FINE SANDS, ROCK FLOCS, SILTY OR CLAYEY FINE SANDS, LIQUID LIMIT 50% OR LESS, SO% OR MORE PASSES NO. 200 SEIVE.
	CL	SANDY CLAYS, SILTY CLAYS, LEAN CLAYS, LIQUID LIMIT 50% OR LESS, SO% OR MORE PASSES NO. 200 SEIVE.
	MH	MODERATE SILTS, MEDIUM TO HIGH PLASTICITY, FINE SANDS OR SILTS, ELASTIC SILTS, LIQUID LIMIT GREATER THAN 50%, SO% OR MORE PASSES NO. 200 SEIVE.
	CH	MODERATE SILTS, HIGH PLASTICITY, FINE SANDS OR SILTS, ELASTIC SILTS, LIQUID LIMIT GREATER THAN 50%, SO% OR MORE PASSES NO. 200 SEIVE.

NOT TO SCALE

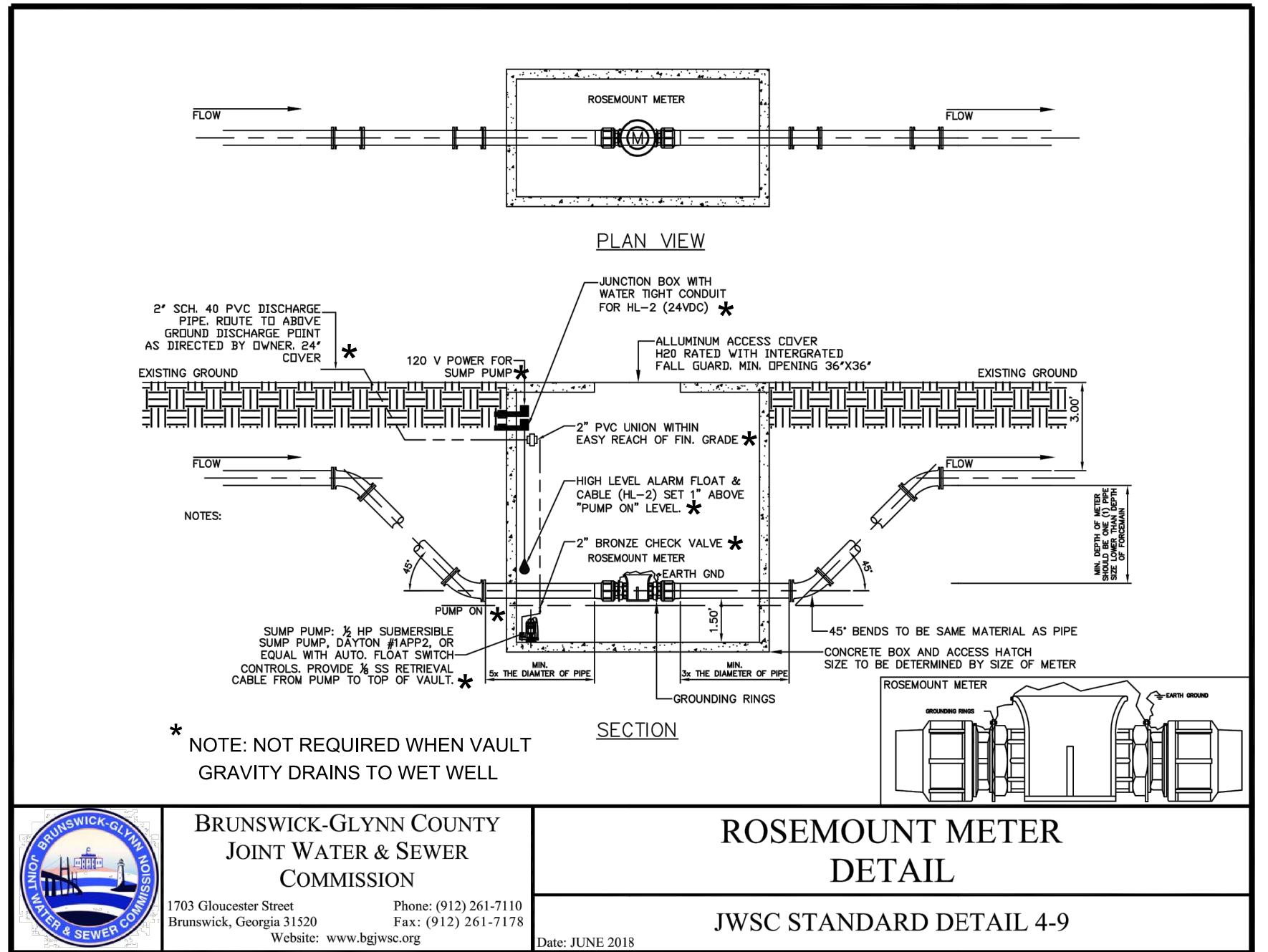
BRUNSWICK-GLYNN COUNTY  
JOINT WATER & SEWER  
COMMISSION

700 Gloucester Street, Suite 300 Phone: (912) 261-7110  
Brunswick, Georgia 31520 Fax: (912) 261-7178  
Website: www.bgljwc.org

TRENCH DETAIL - FLEXIBLE PIPE

JWSC STANDARD DETAIL 3-11B

Date: FEBRUARY 2012



BRUNSWICK-GLYNN COUNTY  
JOINT WATER & SEWER  
COMMISSION

1703 Gloucester Street Phone: (912) 261-7110  
Brunswick, Georgia 31520 Fax: (912) 261-7178  
Website: www.bgljwc.org

ROSEMOUNT METER  
DETAIL

JWSC STANDARD DETAIL 4-9

Date: JUNE 2018



REVIEWS
2020-06-26: PER BGJWSC COMMENTS
2020-08-06: PER BGJWSC COMMENTS
2020-08-12: PER BGJWSC COMMENTS



CONSTRUCTION DETAILS

PS 4059 IMPROVEMENT PLANS  
GLYNN COUNTY, GA

PREPARED FOR:  
COASTAL CLUB BRUNSWICK, LLC

DATE: 2020-05-04
PROJECT NUMBER: 18122
DRAWN BY: BLH
CHECKED BY: JDR
SCALE: NTS

6

SHEET:



