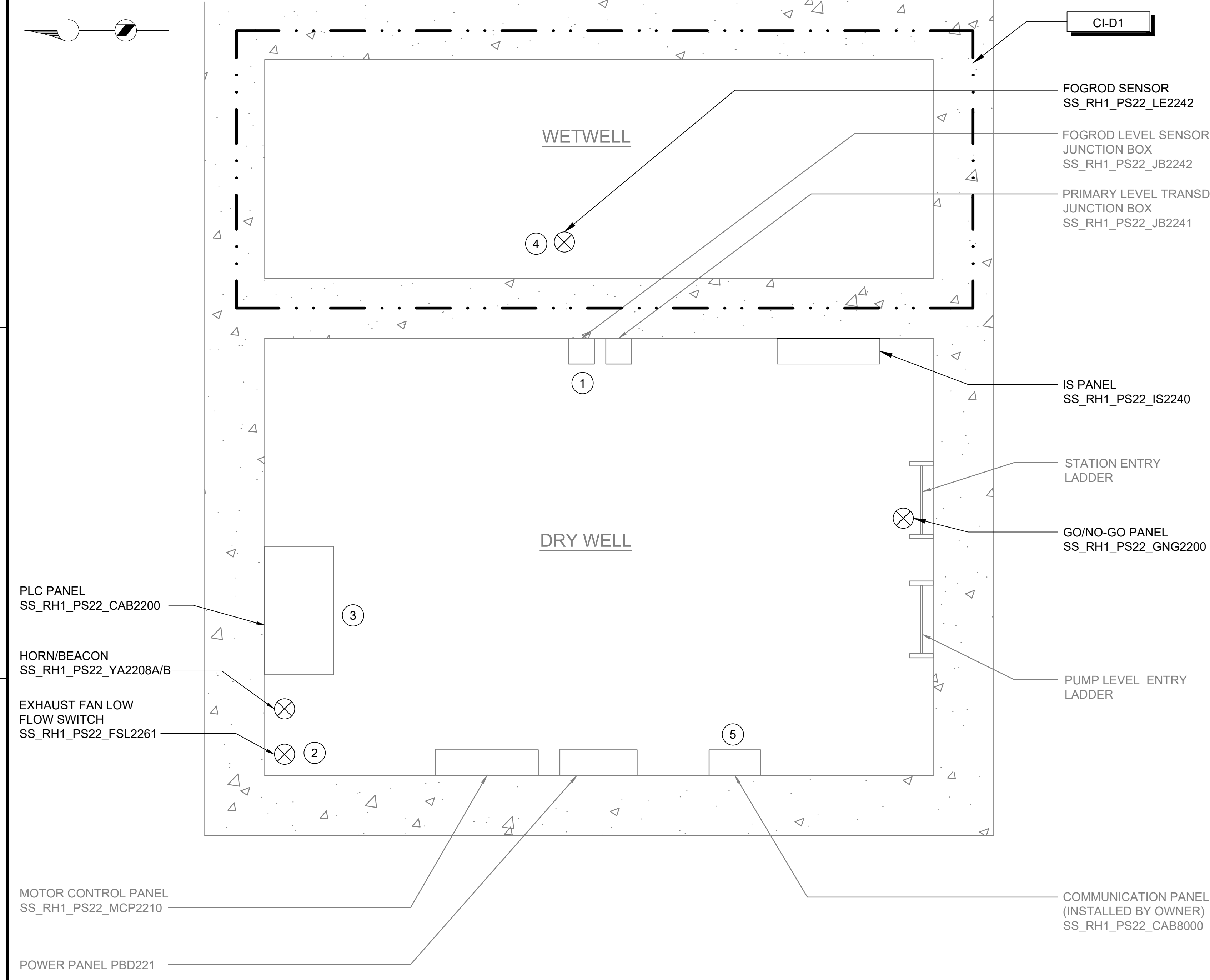


PUMP STATION 22 - 6223 E MERCER WAY



PLAN
SCALE: 3/4" = 1'-0"

GENERAL NOTES:

1. PLAN DRAWING IS PARTIAL REPRESENTATION OF THE SITE AND IS ONLY INTENDED TO PROVIDE DETAILS RELATED TO THE SCOPE OF THIS WORK.
2. REFERENCE AS-BUILT RECORD DRAWING BY CAREY & KRAMER CONSULTING ENGINEERS, DRAWING NUMBER 6223-M316.2, SHEET 17 OF 32 FOR ELEVATIONS RELATED TO WIRING AND CONDUIT.
3. REFER TO CIRCUIT & RACEWAY SCHEDULE ON THIS DRAWING FOR NEW WIRING AND CONDUIT WITHIN THE PUMP STATION.

KEY NOTES:

- 1 REFER TO SECTION 26 05 00 FOR CONDUIT SEAL OFF REQUIREMENTS FROM CLASS I DIV 1 WETWELL.
- 2 REFER TO DWG I-00004 DETAIL C FOR THERMAL FLOW SWITCH INSTALLATION DETAIL ON EXISTING EXHAUST DUCT.
- 3 REFER TO SECTION 26 05 00 FOR PLACING COMPRESSION FITTINGS ON EXISTING CONDUIT TO ROUTE TO NEW PANEL.
- 4 COORDINATE WITH OWNER ON FOGROD INSTALLATION LOCATION IN WETWELL.
- 5 LOCATION OF COMMUNICATION PANEL IS APPROXIMATE. COORDINATE WITH OWNER ON FINAL COMMUNICATION PANEL LOCATION.



PERMIT ISSUE



CITY OF MERCER ISLAND
SEWER SCADA SYSTEMS REPLACEMENT

REVISIONS		
REV	DATE	DESCRIPTION

LINE IS 2 INCHES AT FULL SIZE
DESIGNED: CGA
DRAWN: DNW
CHECKED: LSL
CHECKED: LSL
APPROVED: CGA

FILENAME: I-22701.DWG
BC PROJECT NUMBER: 153585
CLIENT PROJECT NUMBER

INSTRUMENTATION
PUMP STATION 22 - PLAN

DRAWING NUMBER
I-22701
SHEET NUMBER
XX OF XX

CIRCUIT & RACEWAY SCHEDULE							
CIRCUIT	FUNCTION	WIRE SIZE & PHASE ASSIGNMENT	FROM	TO	RACEWAY SIZE	DESCRIPTION	LOCATION(S)
C-2201	CONTROL	14-#14	SS_RH1_PS22_CAB2200	SS_RH1_PS22_IS2240	3/4"	LEVEL SWITCHES, FAULT, PANEL MONITORING, SPARES	GRATING LEVEL
C-2202	CONTROL	6-#14	SS_RH1_PS22_IS2240	SS_RH1_PS22_MCP2210	3/4"	CALL PUMPS TO RUN	GRATING LEVEL
C-2203	CONTROL	2-#14	SS_RH1_PS22_CAB2200	SS_RH1_PS22_FSL2261	3/4"	EXHAUST FAN FLOW SWITCH	GRATING LEVEL
C-2204	CONTROL	4-#14, #14G	SS_RH1_PS22_CAB2200	SS_RH1_PS22_YA2208A/B	3/4"	HORN/RED BEACON FAN ALARM	GRATING LEVEL
P/C-2205	POWER/CONTROL	10-#14, #14G CORD	SS_RH1_PS22_CAB2200	SS_RH1_PS22_GNG2200	-	POWER AND CONTROL TO GNG PANEL	GRATING LEVEL TO STATION HATCH DOOR
P-2201	POWER	2#14, #14G	SS_RH1_PS22_CAB2200	SS_RH1_PS22_IS2240	3/4"	24VDC POWER TO IS PANEL MODULE	GRATING LEVEL
P-2202	POWER	2#12, #12G	PBD221	SS_RH1_PS22_IS2240	3/4"	120VAC POWER TO IS PANEL POWER SUPPLY	GRATING LEVEL
P-2204	POWER	2#14, #14G	SS_RH1_PS22_CAB2200	SS_RH1_PS22_FSL2261	3/4"	POWER TO THERMAL FLOW SWITCH	GRATING LEVEL
S-2201	SIGNAL	2 TSP	SS_RH1_PS22_CAB2200	SS_RH1_PS22_IS2240	3/4"	2 LIT READINGS	GRATING LEVEL
S-2202	SIGNAL	MFR CABLE	SS_RH1_PS22_JB2241	SS_RH1_PS22_IS2240	3/4"	PRIMARY WETWELL LEVEL. *NEW CONDUIT FROM JB TO IS PANEL	GRATING LEVEL
S-2203	SIGNAL	MFR CABLE	SS_RH1_PS22_LE2242	SS_RH1_PS22_IS2240	3/4"	SECONDARY WETWELL LEVEL. *NEW CONDUIT IN DRY WELL	GRATING LEVEL

Path: C:\USERS\JACKSON\BPC\DWG\1820948 FILENAME: I-22701.DWG PLOT DATE: 5/11/2022 10:28 AM CAD USER: DAN JACKSON

Pump Station 22 - 6223 E. Mercer Way

