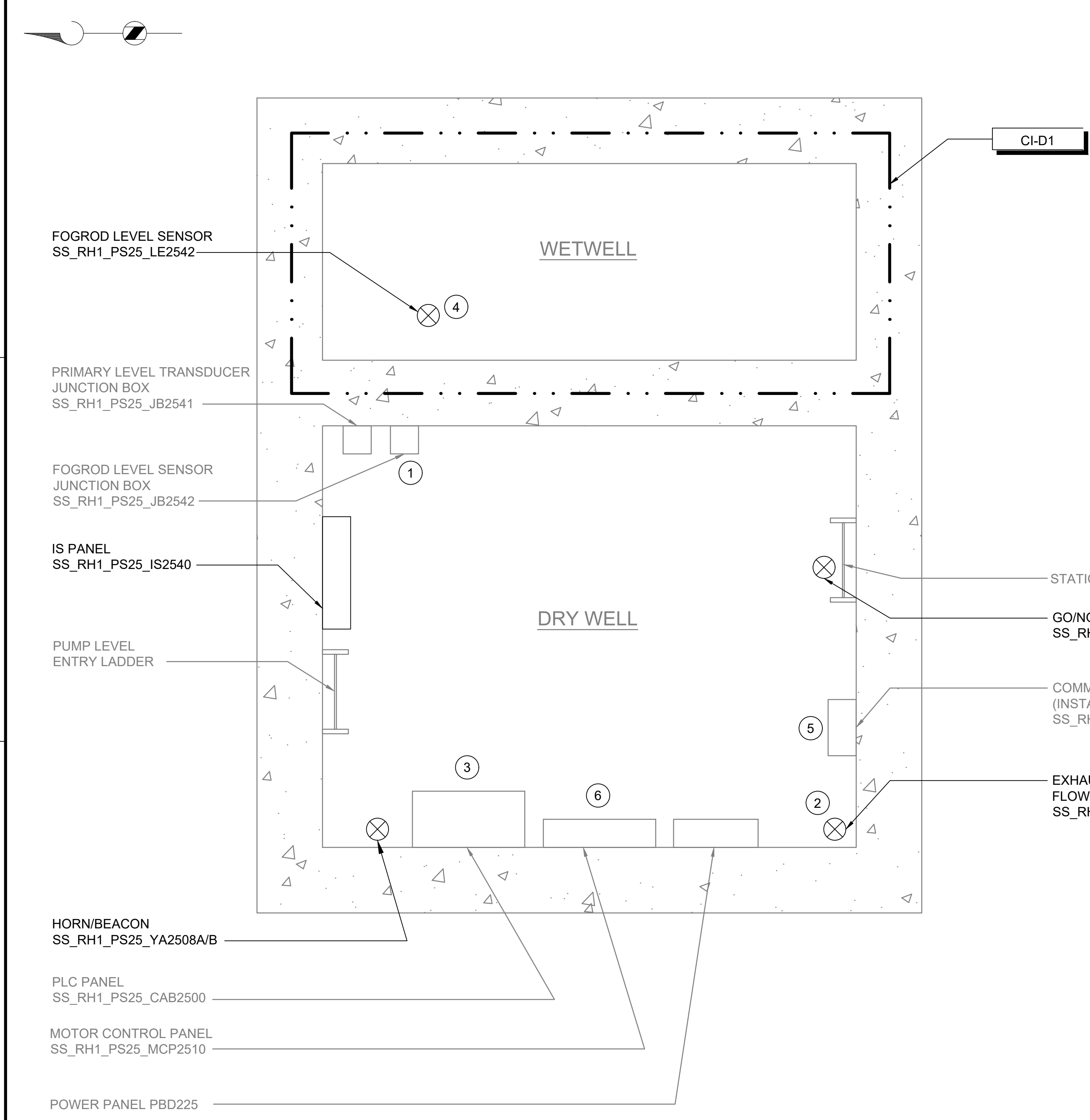


PUMP STATION 25 - 4266 E MERCER WAY



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

CIRCUIT & RACEWAY SCHEDULE							
CIRCUIT	FUNCTION	WIRE SIZE & PHASE ASSIGNMENT	FROM	TO	RACEWAY SIZE	DESCRIPTION	LOCATION(S)
C-2501	CONTROL	14-#14	SS_RH1_PS25_CAB2500	SS_RH1_PS25_IS2540	3/4"	LEVEL SWITCHES, FAULT, PANEL MONITORING, SPARES	GRATING LEVEL
C-2502	CONTROL	4-#14	SS_RH1_PS25_IS2540	SS_RH1_PS25_MCP2510	3/4"	CALL PUMPS TO RUN	GRATING LEVEL
C-2503	CONTROL	2-#14	SS_RH1_PS25_CAB2500	SS_RH1_PS25_FSL2561	3/4"	EXHAUST FAN FLOW SWITCH	GRATING LEVEL
C-2504	CONTROL	4-#14, #14G	SS_RH1_PS25_CAB2500	SS_RH1_PS25_YA2508A/B	3/4"	HORN/RED BEACON FAN ALARM	GRATING LEVEL
P/C-2505	POWER/CONTROL	10-#14, #14G CORD	SS_RH1_PS25_CAB2500	SS_RH1_PS25_FSL2561	-	POWER AND CONTROL TO GNG PANEL	GRATING LEVEL
P-2501	POWER	2#14, #14G	SS_RH1_PS25_CAB2500	SS_RH1_PS25_IS2540	3/4"	24VDC POWER TO IS PANEL MODULE	GRATING LEVEL
P-2502	POWER	2#12, #12G	PBD225	SS_RH1_PS25_IS2540	3/4"	120VAC POWER TO IS PANEL POWER SUPPLY	GRATING LEVEL
P-2504	POWER	2#14, #14G	SS_RH1_PS25_CAB2500	SS_RH1_PS25_GNG2500	3/4"	POWER TO THERMAL FLOW SWITCH	GRATING LEVEL TO STATION HATCH DOOR
S-2501	SIGNAL	2 TSP	SS_RH1_PS25_IS2540	SS_RH1_PS25_CAB2500	3/4"	2 LIT READINGS	GRATING LEVEL
S-2502	SIGNAL	MFR CABLE	SS_RH1_PS25_JB2541	SS_RH1_PS25_IS2540	3/4"	PRIMARY WETWELL LEVEL. *NEW CONDUIT FROM JB TO IS PANEL	GRATING LEVEL
S-2503	SIGNAL	MFR CABLE	SS_RH1_PS25_LE2542	SS_RH1_PS25_IS2540	3/4"	SECONDARY WETWELL LEVEL. *NEW CONDUIT IN DRY WELL	GRATING LEVEL

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-M319.2, SHEET 20 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.

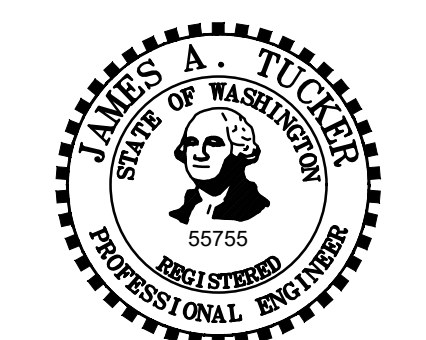
KEY NOTES:

- 1 REFER TO SECTION 26 05 00 FOR CONDUIT SEALOFF REQUIREMENTS FROM CLASS I DIV 1 WETWELL.
- 2 REFER TO DWG I-00004 DETAIL C FOR THERMAL FLOW SWITCH INSTALLATION DETAIL ON EXISTING EXHAUST DUST.
- 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.
- 6 CONTRACTOR TO PROVIDE NEW NAME PLATE FOR EXISTING MOTOR CONTROL PANEL AS "PUMP STATION 25 MOTOR CONTROL PANEL SS\_RH1\_PS25\_MCP2510".



701 PIKE STREET  
SUITE 1200  
SEATTLE, WASHINGTON

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-25701.DWG  
BC PROJECT NUMBER  
153585  
CLIENT PROJECT NUMBER

INSTRUMENTATION

PUMP STATION 25 -  
PLAN

DRAWING NUMBER  
**I-25701**  
SHEET NUMBER  
XX OF XX

Path: C:\USERS\JACKSON\BPC\WID\1820948 FILENAME: I-25701.DWG PLOT DATE: 5/12/2022 9:54 AM CAD USER: DAN JACKSON



# Pump Station 25 - 4266 E. Mercer Way

