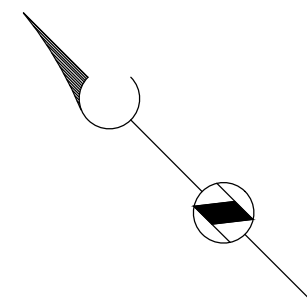
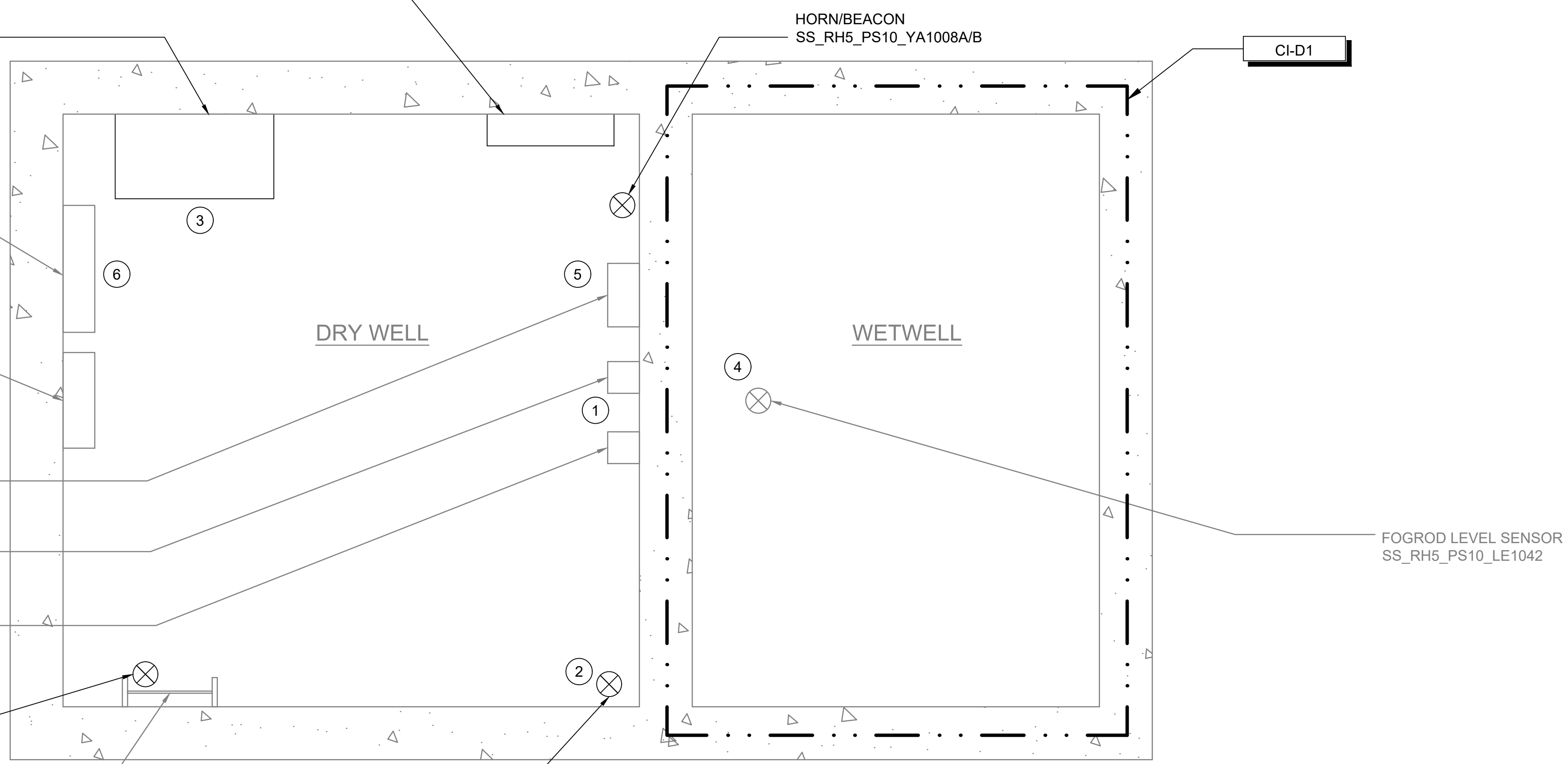


PUMP STATION 10 - 9036 NORTH MERCER WAY



- IS PANEL
SS_RH5_PS10_IS1040
- PLC PANEL
SS_RH5_PS10_CAB1000
- MOTOR CONTROL PANEL
SS_RH5_PS10_MCP1010
- POWER PANEL PBD101
- COMMUNICATION PANEL
(INSTALLED BY OWNER)
SS_RH5_PS10_CAB8000
- PRIMARY LEVEL
TRANSDUCER JUNCTION BOX
SS_RH5_PS10_JB1041
- FOGROD LEVEL SENSOR
JUNCTION BOX
SS_RH5_PS10_JB1042
- GO/NO-GO PANEL
SS_RH5_PS10_GNG1000
- STATION ENTRY
LADDER
- EXHAUST FAN LOW
FLOW SWITCH
SS_RH5_PS10_FSL1061



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 5814-27 & 5814-36 FOR ELEVATIONS RELATED TO WIRING AND CONDUIT

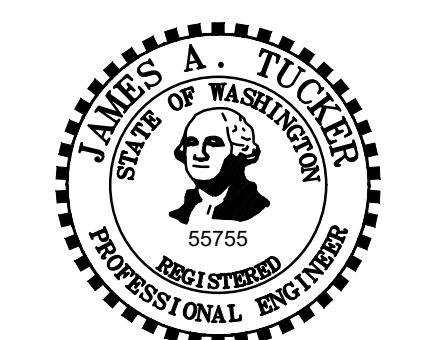
KEY NOTES:

- 1 REFER TO SPECIFICATION DIVISION 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 PLC 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 10 MOTOR CONTROL PANEL SS_RH5_PS10_MCP1010".



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-10701.DWG
BC PROJECT NUMBER
153585
CLIENT PROJECT NUMBER

INSTRUMENTATION

PUMP STATION 10 -
PLAN

DRAWING NUMBER
I-10701
SHEET NUMBER
XX OF XX

CIRCUIT & RACEWAY SCHEDULE

CIRCUIT	FUNCTION	WIRE SIZE & PHASE ASSIGNMENT	FROM	TO	RACEWAY SIZE	DESCRIPTION	LOCATION(S)
C-1001	CONTROL	14-#14	SS_RH5_PS10_CAB1000	SS_RH5_PS10_IS1040	3/4"	LEVEL SWITCHES, FAULT, PANEL MONITORING, SPARES	GRATING LEVEL
C-1002	CONTROL	4-#14	SS_RH5_PS10_IS1040	SS_RH5_PS10_MCP1010	3/4"	CALL PUMPS TO RUN	GRATING LEVEL
C-1003	CONTROL	2-#14	SS_RH5_PS10_CAB1000	SS_RH5_PS10_FSL1061	3/4"	EXHAUST FAN FLOW SWITCH	GRATING LEVEL
C-1004	CONTROL	4-#14, #14G	SS_RH5_PS10_CAB1000	SS_RH5_PS10_YA1008A/B	3/4"	HORN/RED BEACON FAN ALARM	GRATING LEVEL
P/C-1005	POWER/CONTROL	10-#14, #14G CORD	SS_RH5_PS10_CAB1000	SS_RH5_PS10_GNG1000	-	POWER AND CONTROL TO GNG PANEL	GRATING LEVEL TO STATION HATCH DOOR
P-1001	POWER	2#14, #14G	SS_RH5_PS10_CAB1000	SS_RH5_PS10_IS1040	3/4"	24VDC POWER TO IS PANEL MODULE	GRATING LEVEL
P-1002	POWER	2#12, #12G	PBD101	SS_RH5_PS10_IS1040	3/4"	120VAC POWER TO IS PANEL POWER SUPPLY	GRATING LEVEL
P-1003	POWER	2#14, #14G	SS_RH5_PS10_CAB1000	SS_RH5_PS10_FSL1061	3/4"	POWER TO THERMAL FLOW SWITCH	GRATING LEVEL
S-1001	SIGNAL	2-TSP	SS_RH5_PS10_IS1040	SS_RH5_PS10_CAB1000	3/4"	2 LIT READINGS	GRATING LEVEL
S-1002	SIGNAL	MFR CABLE	SS_RH5_PS10_JB1041	SS_RH5_PS10_IS1040	3/4"	PRIMARY WETWELL LEVEL. *NEW CONDUIT FROM JB TO IS PANEL	GRATING LEVEL
S-1003	SIGNAL	MFR CABLE	SS_RH5_PS10_LE1042	SS_RH5_PS10_IS1040	3/4"	SECONDARY WETWELL LEVEL. *NEW CONDUIT IN DRY WELL	GRATING LEVEL

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Pump Station 10 - 9036 North Mercer Way

