

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 PLAN DRAWING BY HDR ENGINEERING INC. PROJECT NUMBER 00035-004-002, SHEET NUMBER 6, SECTION B FOR ELEVATIONS RELATED TO WIRING AND CONDUIT DEMOLITION.
3. REFER TO CIRCUIT & RACEWAY SCHEDULE ON THIS DRAWING FOR NEW WIRING AND CONDUIT WITHIN THE PUMP STATION.

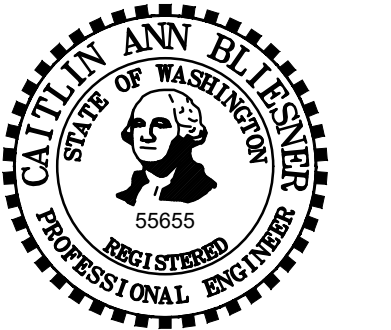
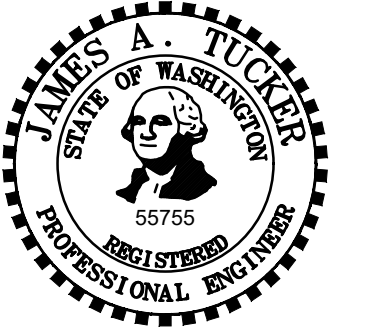
**KEY NOTES:**

- 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 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.
- ⑥ LOCATION OF EXHAUST FAN FLOW SWITCH IS APPROXIMATE. COORDINATE WITH OWNER ON FINAL EXHAUST FAN INSTALLATION LOCATION. INSTALL FLOW SWITCH DOWNSTREAM OF EXHAUST FAN PER MANUFACTURER'S RECOMMENDATION.



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: CAB  
DRAWN: DDJ  
CHECKED: LSL  
CHECKED: LSL  
APPROVED: CAB

FILENAME  
I-01701.DWG  
BC PROJECT NUMBER  
153585  
CLIENT PROJECT NUMBER

**INSTRUMENTATION**

PUMP STATION 1 -  
PLAN

DRAWING NUMBER  
**I-01701**  
SHEET NUMBER  
XX OF XX

**CIRCUIT & RACEWAY SCHEDULE**

CIRCUIT	FUNCTION	WIRE SIZE & PHASE ASSIGNMENT	FROM	TO	RACEWAY SIZE	DESCRIPTION	LOCATION(S)
C-0101	CONTROL	14-#14	SS_RH4_PS01_CAB0100	SS_RH4_PS01_IS0140	3/4"	LEVEL SWITCHES, FAULT, PANEL MONITORING, SPARES	GRATING LEVEL
C-0102	CONTROL	4-#14	SS_RH4_PS01_IS0140	SS_RH4_PS01_MCP0110	3/4"	CALL PUMPS TO RUN	GRATING LEVEL
C-0103	CONTROL	2-#14	SS_RH4_PS01_CAB0100	SS_RH4_PS01_FSL0161	3/4"	EXHAUST FAN FLOW SWITCH	GRATING LEVEL
C-0104	CONTROL	4-#14, #14G	SS_RH4_PS01_CAB0100	SS_RH4_PS01_YA0108A/B	3/4"	HORN/RED BEACON FAN ALARM	GRATING LEVEL
P/C-0105	POWER/CONTROL	10-#14, #14G CORD	SS_RH4_PS01_CAB0100	SS_RH4_PS01_GNG0100	-	POWER AND CONTROL TO GNG PANEL	GRATING LEVEL TO STATION HATCH DOOR
P-0101	POWER	2#14, #14G	SS_RH4_PS01_CAB0100	SS_RH4_PS01_IS0140	3/4"	24VDC POWER TO IS PANEL MODULE	GRATING LEVEL
P-0102	POWER	2#12, #12G	PBD011	SS_RH4_PS01_IS0140	3/4"	120VAC POWER TO IS PANEL POWER SUPPLY	GRATING LEVEL
P-0103	POWER	2#14, #14G	SS_RH4_PS01_CAB0100	SS_RH4_PS01_FSL0161	3/4"	POWER TO THERMAL FLOW SWITCH	GRATING LEVEL
S-0101	SIGNAL	2 TSP	SS_RH4_PS01_IS0140	SS_RH4_PS01_CAB0100	3/4"	2 LIT READINGS	GRATING LEVEL
S-0102	SIGNAL	MFR CABLE	SS_RH4_PS01_LT0141	SS_RH4_PS01_IS0140	3/4"	PRIMARY WETWELL LEVEL. *NEW CONDUIT FROM JB TO IS PANEL	GRATING LEVEL
S-0103	SIGNAL	MFR CABLE	SS_RH4_PS01_LE0142	SS_RH4_PS01_IS0140	3/4"	SECONDARY WETWELL LEVEL. *NEW CONDUIT IN DRY WELL	GRATING LEVEL

Path: C:\USERS\JACKSON\BCP\DWG I-01701.DWG FILENAME: I-01701.DWG PLOT DATE: 6/23/2022 11:31 AM CAD USER: DAN JACKSON