

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

GENERAL NOTES:

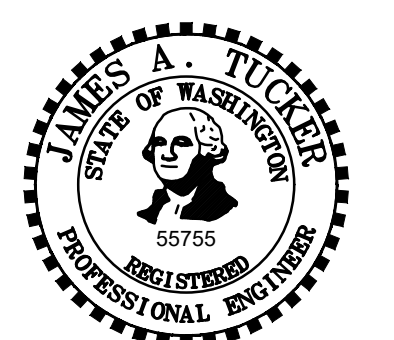
1. PLAN DRAWING IS PARTIAL REPRESENTATION OF THE SITE AND IS ONLY INTENDED TO PROVIDE DETAILS RELATED TO THE SCOPE OF THIS WORK.
2. REFERENCE AS-BUILT RECORD DRAWING BY CAREY & KRAMER CONSULTING ENGINEERS, DRAWING NUMBER 6223-M318.2, SHEET 19 OF 32 FOR ELEVATIONS RELATED TO WIRING AND CONDUIT DEMOLITION.
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 1 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: CAB
DRAWN: DDJ
CHECKED: LSL
CHECKED: LSL
APPROVED: CAB

FILENAME: I-24701.DWG
BC PROJECT NUMBER: 153585
CLIENT PROJECT NUMBER

**INSTRUMENTATION
PUMP STATION 24 -
PLAN**

DRAWING NUMBER
I-24701
SHEET NUMBER
XX OF XX

CIRCUIT & RACEWAY SCHEDULE

CIRCUIT	FUNCTION	WIRE SIZE & PHASE ASSIGNMENT	FROM	TO	RACEWAY SIZE	DESCRIPTION	LOCATION(S)
C-2401	CONTROL	14-#14	SS_RH1_PS24_CAB2400	SS_RH1_PS24_IS2440	3/4"	LEVEL SWITCHES, FAULT, PANEL MONITORING, SPARES	GRATING LEVEL
C-2402	CONTROL	6-#14	SS_RH1_PS24_IS2440	SS_RH1_PS24_MCP2410	3/4"	CALL PUMPS TO RUN	GRATING LEVEL
C-2403	CONTROL	2-#14	SS_RH1_PS24_CAB2400	SS_RH1_PS24_FSL2461	3/4"	EXHAUST FAN FLOW SWITCH	GRATING LEVEL
C-2404	CONTROL	4-#14, #14G	SS_RH1_PS24_CAB2400	SS_RH1_PS24_YA2408A/B	3/4"	HORN/RED BEACON FAN ALARM	GRATING LEVEL
P/C-2405	POWER/CONTROL	10-#14, #14G CORD	SS_RH1_PS24_CAB2400	SS_RH1_PS24_GNG2400	-	POWER AND CONTROL TO GNG PANEL	GRATING LEVEL TO STATION HATCH DOOR
P-2401	POWER	2#14, #14G	SS_RH1_PS24_CAB2400	SS_RH1_PS24_IS2440	3/4"	24VDC POWER TO IS PANEL MODULE	GRATING LEVEL
P-2402	POWER	2#12, #12G	PBD241	SS_RH1_PS24_IS2440	3/4"	120VAC POWER TO IS PANEL POWER SUPPLY	GRATING LEVEL
P-2404	POWER	2#14, #14G	SS_RH1_PS24_CAB2400	SS_RH1_PS24_FSL2461	3/4"	POWER TO THERMAL FLOW SWITCH	GRATING LEVEL
S-2401	SIGNAL	2 TSP	SS_RH1_PS24_CAB2400	SS_RH1_PS24_IS2440	3/4"	2 LIT READINGS	GRATING LEVEL
S-2402	SIGNAL	MFR CABLE	SS_RH1_PS24_JB2441	SS_RH1_PS24_IS2440	3/4"	PRIMARY WETWELL LEVEL. *NEW CONDUIT FROM JB TO IS PANEL	GRATING LEVEL
S-2403	SIGNAL	MFR CABLE	SS_RH1_PS24_LE2442	SS_RH1_PS24_IS2440	3/4"	SECONDARY WETWELL LEVEL. *NEW CONDUIT IN DRY WELL	GRATING LEVEL

Path: C:\USERS\JACKSON\BCP\WID\820948 FILENAME: I-24701.DWG PLOT DATE: 6/24/2022 12:15 PM CAD USER: DAN JACKSON