

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

**GENERAL NOTES:**

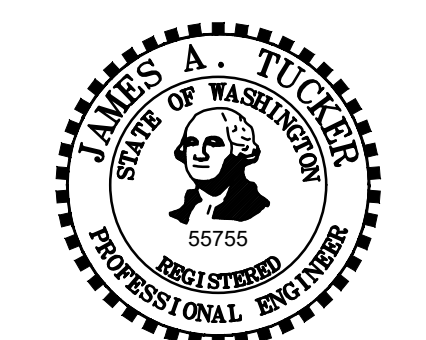
1. PLAN DRAWING IS PARTIAL REPRESENTATION OF THE SITE AND IS ONLY INTENDED TO PROVIDE DETAILS RELATED TO THE SCOPE OF THIS WORK.
2. REFERENCE AS-BUILT RECORD DRAWING BY CAREY & KRAMER CONSULTING ENGINEERS, DRAWING NUMBER 6223-M314.1, SHEET 15 OF 32 FOR ELEVATIONS RELATED TO WIRING AND CONDUIT DEMOLITION.
3. REFER TO CIRCUIT & RACEWAY SCHEDULE ON THIS DRAWING FOR NEW WIRING AND CONDUIT WITHIN THE PUMP STATION.

**KEY NOTES:**

- ① REFER TO SPECIFICATION DIVISION 26 05 00 FOR CONDUIT SEAL OFF 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:	CGA
DRAWN:	DNW
CHECKED:	LSL
CHECKED:	LSL
APPROVED:	CGA
FILENAME:	I-20701.DWG
BC PROJECT NUMBER:	153585
CLIENT PROJECT NUMBER:	

**INSTRUMENTATION  
PUMP STATION 20 -  
PLAN**

DRAWING NUMBER	<b>I-20701</b>
SHEET NUMBER	XX OF XX

CIRCUIT & RACEWAY SCHEDULE							
CIRCUIT	FUNCTION	WIRE SIZE & PHASE ASSIGNMENT	FROM	TO	RACEWAY SIZE	DESCRIPTION	LOCATION(S)
C-2001	CONTROL	14-#14	SS_RH2_PS20_CAB2000	SS_RH2_PS20_IS2040	3/4"	LEVEL SWITCHES, FAULT, PANEL MONITORING, SPARES	GRATING LEVEL
C-2002	CONTROL	6-#14	SS_RH2_PS20_IS2040	SS_RH2_PS20_MCP2010	3/4"	CALL PUMPS TO RUN	GRATING LEVEL
C-2003	CONTROL	2-#14	SS_RH2_PS20_CAB2000	SS_RH2_PS20_FSL2061	3/4"	EXHAUST FAN FLOW SWITCH	GRATING LEVEL
C-2004	CONTROL	4-#14, #14G	SS_RH2_PS20_CAB2000	SS_RH2_PS20_YA2008A/B	3/4"	HORN/RED BEACON FAN ALARM	GRATING LEVEL
P/C-2003	POWER/CONTROL	10-#14, #14G CORD	SS_RH2_PS20_CAB2000	SS_RH2_PS20_GNG2000	-	POWER AND CONTROL TO GNG PANEL	GRATING LEVEL TO STATION HATCH DOOR
P-2001	POWER	2#14, #14G	SS_RH2_PS20_CAB2000	SS_RH2_PS20_IS2040	3/4"	24VDC POWER TO IS PANEL MODULE	GRATING LEVEL
P-2002	POWER	2#12, #12G	PBD201	SS_RH2_PS20_IS2040	3/4"	120VAC POWER TO IS PANEL POWER SUPPLY	GRATING LEVEL
P-2004	POWER	2#14, #14G	SS_RH2_PS20_CAB2000	SS_RH2_PS20_FSL2061	3/4"	POWER TO THERMAL FLOW SWITCH	GRATING LEVEL
S-2001	SIGNAL	2 TSP	SS_RH2_PS20_CAB2000	SS_RH2_PS20_IS2040	3/4"	2 LIT READINGS	GRATING LEVEL
S-2002	SIGNAL	MFR CABLE	SS_RH2_PS20_JB2041	SS_RH2_PS20_IS2040	3/4"	PRIMARY WETWELL LEVEL. *NEW CONDUIT FROM JB TO IS PANEL	GRATING LEVEL
S-2003	SIGNAL	MFR CABLE	SS_RH2_PS20_LE2042	SS_RH2_PS20_IS2040	3/4"	SECONDARY WETWELL LEVEL. *NEW CONDUIT IN DRY WELL	GRATING LEVEL

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