

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



PUMP STATION CONTROL PANEL LAYOUT

PHOTO A
SCALE: NONE

CIRCUIT & RACEWAY SCHEDULE

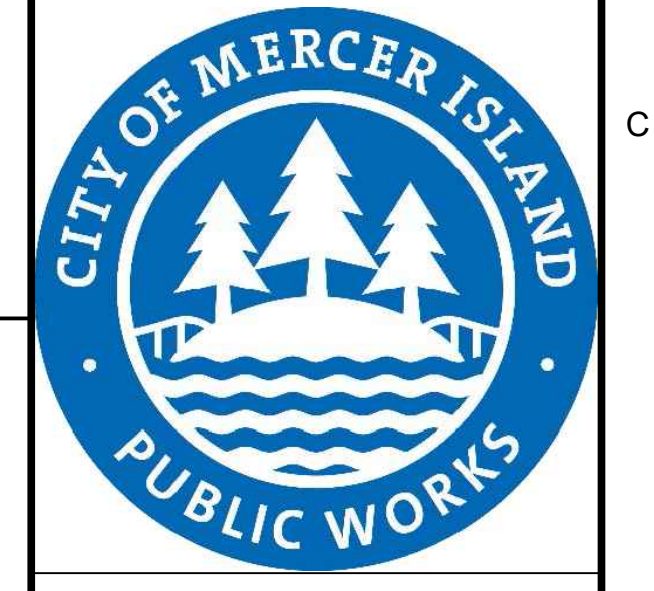
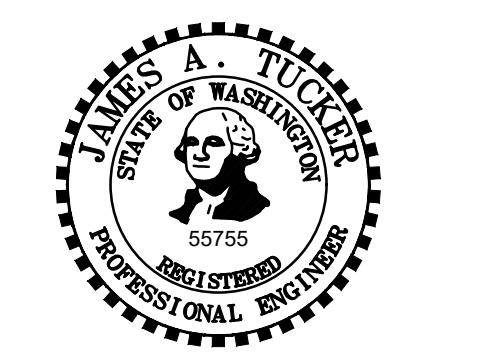
CIRCUIT	FUNCTION	WIRE SIZE & PHASE ASSIGNMENT	FROM	TO	RACEWAY SIZE	DESCRIPTION	LOCATION(S)
C-1401	CONTROL	10-#14	SS_RH2_PS14_CAB1400	SS_RH2_PS14_IS1440A	3/4"	LEVEL SWITCHES, FAULT, PANEL MONITORING, SPARES (ACCOUNTS FOR 2 SPARES)	CONTROL PANEL
C-1402	CONTROL	2-#14	SS_RH2_PS14_CAB1400	SS_RH2_PS14_IS1440B	3/4" - EXISTING	PANEL INTRUSION	CONTROL PANEL
C-1403	CONTROL	7-#14, #14G	SS_RH2_PS14_IS1440A	SS_RH2_PS14_LIT1442	3/4"	FOGROD SIGNAL TO LIT	CONTROL PANEL
C-1404	CONTROL	2-#14	SS_RH2_PS14_IS1440A	SS_RH2_PS14_MCP1410	3/4"	CALL PUMP 1 TO RUN	CONTROL PANEL
C-1405	CONTROL	2-#14	SS_RH2_PS14_IS1440A	SS_RH2_PS14_MCP1420	3/4"	CALL PUMP 2 TO RUN	CONTROL PANEL
P-1401	POWER	4#14, #14G	SS_RH2_PS14_CAB1400	SS_RH2_PS14_IS1440A	3/4"	24VDC POWER TO LEVEL CONTROL PANEL	CONTROL PANEL
P-1402	POWER	2#12, #12G	SUB PANEL	SS_RH2_PS14_CAB1400	3/4" - EXISTING	120V SOURCE 2 FEED	CONTROL PANEL
S-1401	SIGNAL	1 TSP	SS_RH2_PS14_IS1440A	SS_RH2_PS14_CAB1400	3/4"	1 LIT READING	CONTROL PANEL
S-1402	SIGNAL	MFR CABLE	SS_RH2_PS14_LE1442	SS_RH2_PS14_IS1440B	1" - EXISTING	SECONDARY WETWELL LEVEL	WETWELL TO FOGROD LEVEL TRANSDUCER JUNCTION BOX TO CONTROL PANEL

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 PUMP STATION #14 MODERNIZATION CONSTRUCTION DRAWING SET BY PARAMETRIX, DRAWING E3, SHEET 12 OF 14 FOR PLAN DRAWINGS RELATED TO WIRING.
3. REFER TO CIRCUIT & RACEWAY SCHEDULE ON THIS DRAWING FOR NEW WIRING AND CONDUIT WITHIN THE PUMP STATION.

KEY NOTES:

1. COORDINATE WITH OWNER ON FOGROD INSTALLATION LOCATION IN WETWELL.
2. LOCATION OF COMMUNICATION PANEL IS APPROXIMATE. COORDINATE WITH OWNER ON FINAL COMMUNICATION PANEL LOCATION.
3. NEW LEVEL CONTROL PANEL SS_RH2_PS14_IS1440A IS LOCATED ABOVE PUMP MOTOR CONTROL PANELS.
4. EXISTING IS PANEL SS_RH2_PS14_IS1440B IS LOCATED BELOW PUMP MOTOR CONTROL PANELS.



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
APPROVED: CAB

FILENAME: I-14701.DWG
BC PROJECT NUMBER: 153585
CLIENT PROJECT NUMBER

INSTRUMENTATION
PUMP STATION 14 - PLAN

DRAWING NUMBER
I-14701
SHEET NUMBER
XX OF XX

Path: C:\USERS\JACKSON\BPC\DWG\1820948 FILENAME: I-14701.DWG PLOT DATE: 6/24/2022 10:35 AM CAD USER: DAN JACKSON