



Legend

- Sewer Pump Station
- Sewer Service Line
- Mercer Island
- Other
- Sewer Lining
- Sewer Video
- Address
- Parcels
- Buildings
- Docks
- March 2020
- Red: Band_1
- Green: Band_2
- Blue: Band_3
- 8' Antenna
- 40" Vent

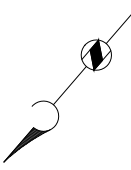


1 inch =
16.6666666666667
feet



Disclaimer: These maps were developed by the City of Mercer Island and are intended to be a general purpose digital reference tool. These maps are not an accepted legal instrument for describing, establishing, recording or maintaining descriptions for property concerns or boundaries. The City makes no representation or warranty with respect to the accuracy or currency of these data sets, especially in regard to labeling of surveyed dimensions, or agreement with official sources such as records of survey, or mapped locations of features.

Notes



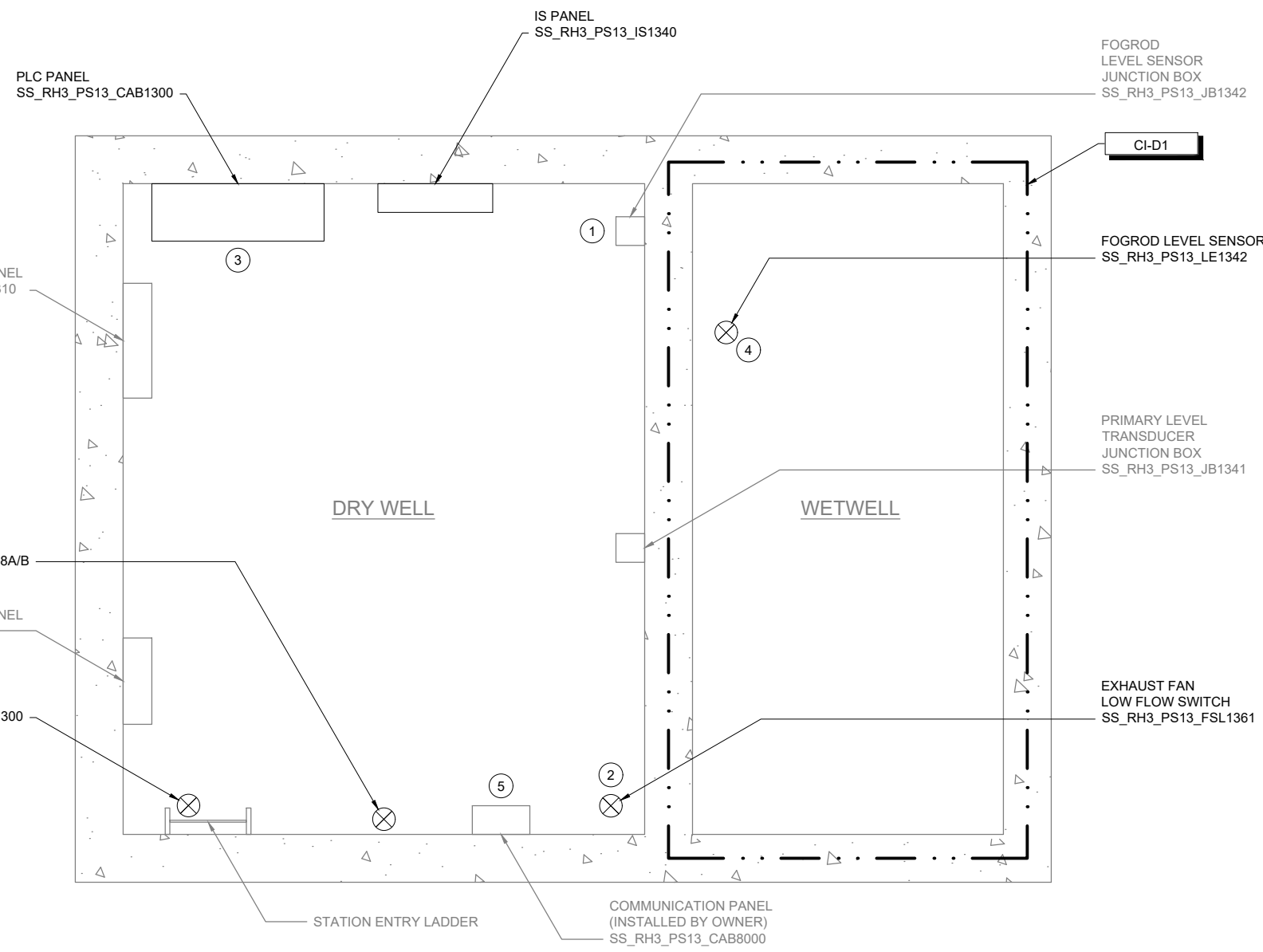
1 2 3 4 5 6

D

C

B

A



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

GENERAL NOTES:

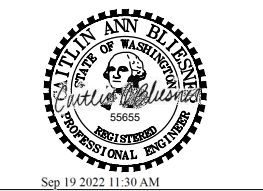
1. PLAN DRAWING IS PARTIAL REPRESENTATION OF THE SITE AND IS ONLY INTENDED TO PROVIDE DETAILS RELATED TO THE SCOPE OF THIS WORK.
2. REFERENCE PLAN DRAWING BY HDR ENGINEERING INC. PROJECT NUMBER 00035-004-002, SHEET NUMBER 11, SECTION B FOR ELEVATIONS RELATED TO WIRING AND CONDUIT DEMOLITION.
3. REFER 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.



BID SET



CITY OF
MERCER ISLAND

SEWER SCADA
SYSTEMS
REPLACEMENT

REVISIONS

REV	DATE	DESCRIPTION

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

FILENAME: I-13701.DWG
BC PROJECT NUMBER: 153585
CLIENT PROJECT NUMBER

INSTRUMENTATION

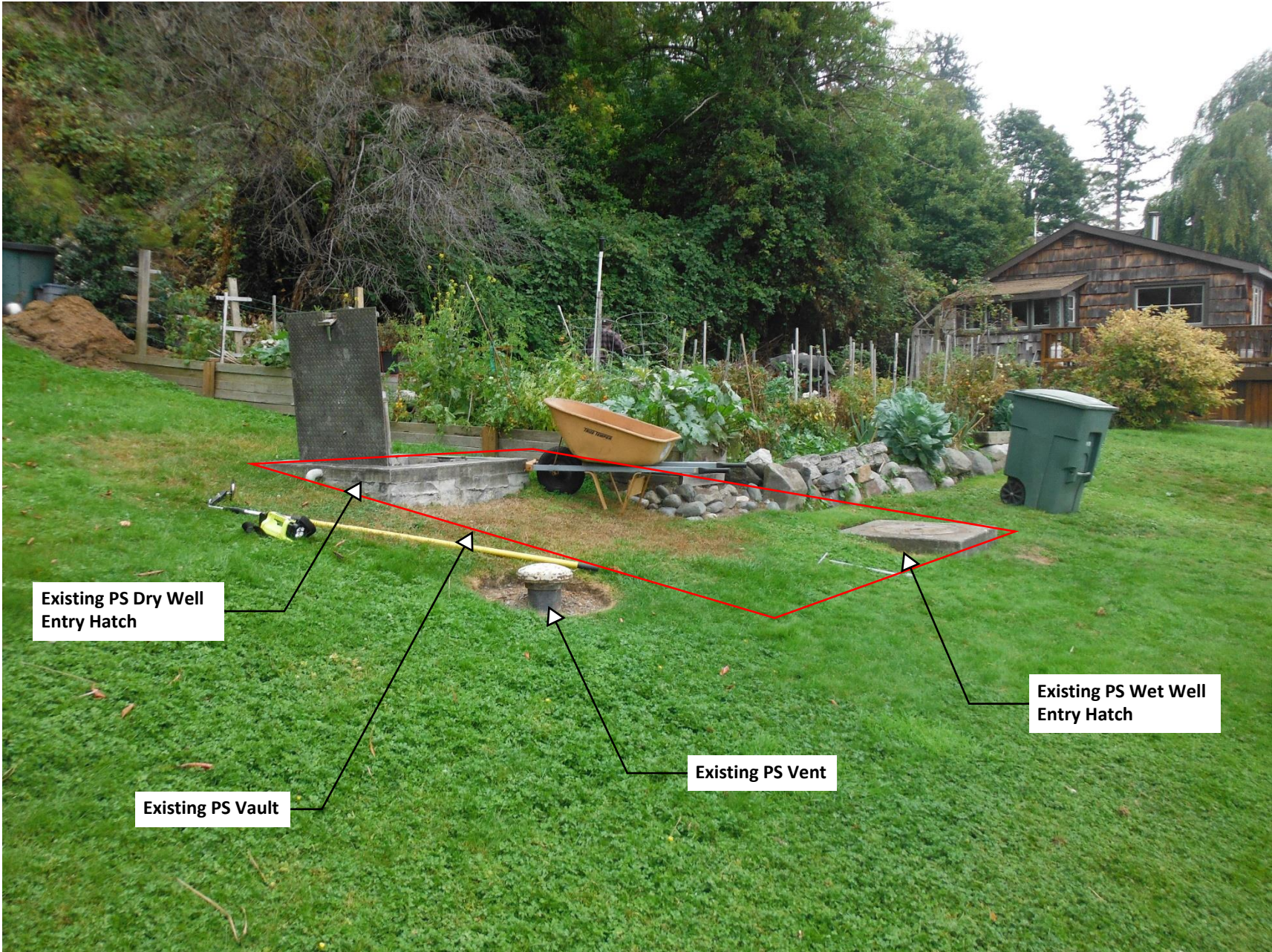
PUMP STATION 13 - PLAN

DRAWING NUMBER
I-13701
SHEET NUMBER
111 OF 424

CIRCUIT & RACEWAY SCHEDULE

CIRCUIT	FUNCTION	WIRE SIZE & PHASE ASSIGNMENT	FROM	TO	RACEWAY SIZE	DESCRIPTION	LOCATION(S)
C-1301	CONTROL	14-#14	SS_RH3_PS13_CAB1300	SS_RH3_PS13_IS1340	3/4"	LEVEL SWITCHES, FAULT, PANEL MONITORING, SPARES	GRATING LEVEL
C-1302	CONTROL	4-#14	SS_RH3_PS13_IS1340	SS_RH3_PS13_MCP1310	3/4"	CALL PUMPS TO RUN	GRATING LEVEL
C-1303	CONTROL	2-#14	SS_RH3_PS13_CAB1300	SS_RH3_PS13_FSL1361	3/4"	EXHAUST FAN FLOW SWITCH	GRATING LEVEL
C-1304	CONTROL	4-#14, #14G	SS_RH3_PS13_CAB1300	SS_RH3_PS13_YA1308A/B	3/4"	HORN/RED BEACON FAN ALARM	GRATING LEVEL
P/C-1305	POWER/CONTROL	10-#14, #14G CORD	SS_RH3_PS13_CAB1300	SS_RH3_PS13_GNG1300	-	POWER AND CONTROL TO GNG PANEL	GRATING LEVEL TO STATION HATCH DOOR
P-1301	POWER	2#14, #14G	SS_RH3_PS13_CAB1300	SS_RH3_PS13_IS1340	3/4"	24VDC POWER TO IS PANEL MODULE	GRATING LEVEL
P-1302	POWER	2#12, #12G	PBD131	SS_RH3_PS13_IS1340	3/4"	120VAC POWER TO IS PANEL POWER SUPPLY	GRATING LEVEL
P-1303	POWER	2#14, #14G	SS_RH3_PS13_CAB1300	SS_RH3_PS13_FSL1361	3/4"	POWER TO THERMAL FLOW SWITCH	GRATING LEVEL
S-1301	SIGNAL	2 TSP	SS_RH3_PS13_IS1340	SS_RH3_PS13_CAB1300	3/4"	2 LIT READINGS	GRATING LEVEL
S-1302	SIGNAL	MFR CABLE	SS_RH3_PS13_JB1341	SS_RH3_PS13_IS1340	3/4"	PRIMARY WETWELL LEVEL. *NEW CONDUIT FROM JB TO IS PANEL	GRATING LEVEL
S-1303	SIGNAL	MFR CABLE	SS_RH3_PS13_LE1342	SS_RH3_PS13_IS1340	3/4"	SECONDARY WETWELL LEVEL. *NEW CONDUIT IN DRY WELL	GRATING LEVEL

Path: C:\USERS\JACKSON\BCP\DWG I-13701.DWG PLOT DATE: 6/23/2022 12:58 PM CAD USER: DAN JACKSON



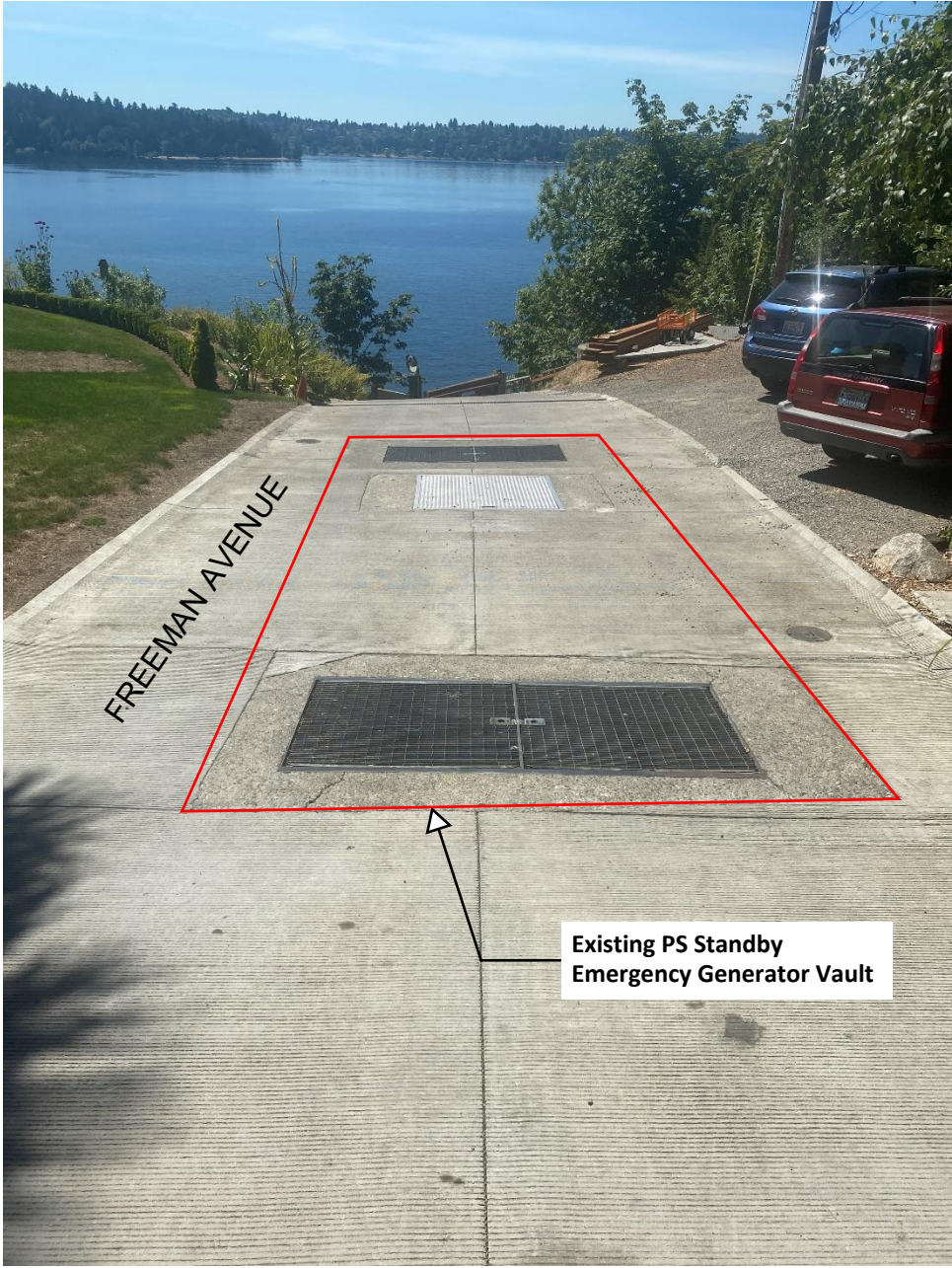
Typical Sewer Pump Station
Exterior Modifications

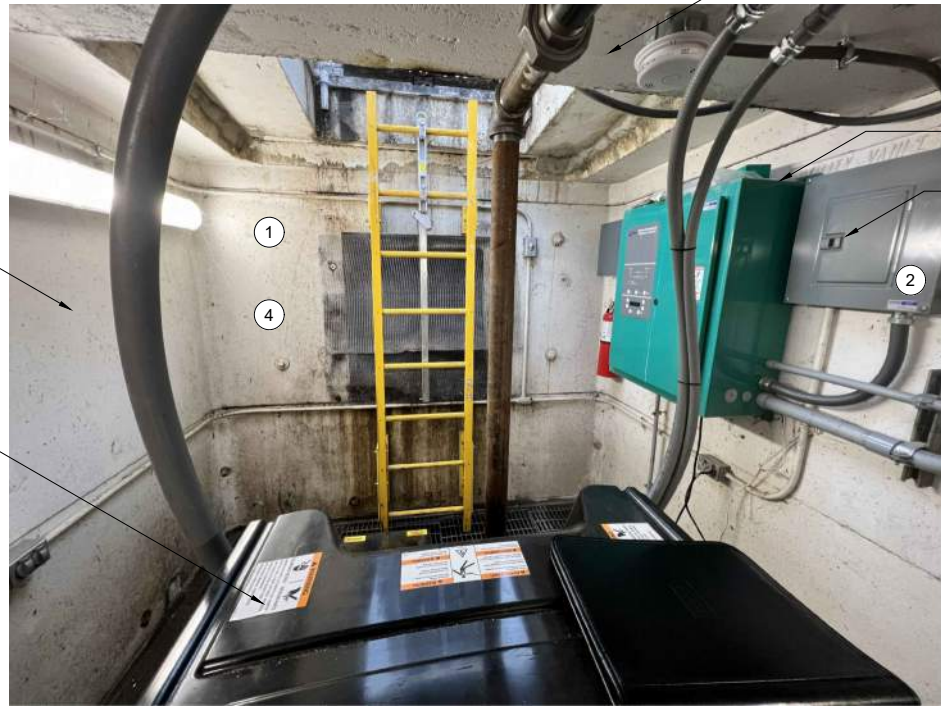


8 FT

40"

40"





GENERATOR &
ATS VAULT

ATS
SS_RH3_PS13_ATS1391

POWER PANEL

NEW REMOTE I/O
PANEL LOCATION
(SEE PHOTO B)

GENERATOR
SS_RH3_PS13_GEN1390

OVERVIEW OF
GENERATOR SITE
PHOTO A
SCALE: NONE



REMOTE I/O PANEL
ENCLOSURE LOCATION
PHOTO B
SCALE: NONE

GENERAL NOTES:

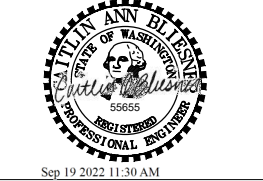
1. THIS DRAWING DEPICTS DEMOLITION AND NEW WORK RELATED TO THE GENERATOR MONITORING AT THE REMOTE GENERATOR SITE. PUMP STATION 13 GENERATOR IS LOCATED APPROXIMATELY 185 FEET NORTHWEST OF PUMP STATION. REFER TO SECTION 01 11 00 FOR REFERENCE MATERIALS PROVIDED, WHICH INCLUDES ADDITIONAL INFORMATION REGARDING REMOTE GENERATOR SITE LOCATIONS.
2. EXISTING GENERATOR MONITORING WIRING BETWEEN PUMP STATION AND REMOTE GENERATOR SITE TO BE LEFT AS SPARE. COIL AND LABEL SPARE WIRE WHERE DISCONNECTED.
3. REFER TO CIRCUIT & RACEWAY SCHEDULE ON THIS DRAWING FOR NEW WIRING AND CONDUIT AT THE GENERATOR SITE.

KEY NOTES:

- 1 PHOTO DEPICTS AN OVERVIEW OF THE REMOTE GENERATOR SITE AND EQUIPMENT LOCATIONS. FOR BID PURPOSES, ASSUME 15 FEET OF CONDUIT AND CABLE BETWEEN RIO PANEL AND VARIOUS EQUIPMENT.
- 2 INSTALL 1 POLE 20A SQUARE D TYPE QOB THERMAL MAGNETIC BREAKER ON CIRCUIT 14 OF POWER PANEL. LABEL BREAKER "RIO PANEL". REFER TO CIRCUIT & RACEWAY SCHEDULE ON THIS DRAWING FOR POWER WIRING.
- 3 LOCATE REMOTE I/O PANEL ON WALL ACROSS FROM ATS.
- 4 GENERATOR COMMUNICATION PANEL (SS_RH3_PS13_CAB8010) TO BE INSTALLED BY OWNER PRIOR TO PROJECT CONSTRUCTION. COORDINATE WITH OWNER ON FINAL PANEL LOCATION.



BID SET



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-13801.DWG
BC PROJECT NUMBER
153585
CLIENT PROJECT NUMBER

INSTRUMENTATION

PUMP STATION 13 -
GENERATOR
DETAILS

DRAWING NUMBER
I-13801
SHEET NUMBER
112 OF 424

CIRCUIT & RACEWAY SCHEDULE

CIRCUIT	FUNCTION	WIRE SIZE & PHASE ASSIGNMENT	FROM	TO	RACEWAY SIZE	DESCRIPTION	LOCATION(S)
C-1390	CONTROL	8-#14	SS_RH3_PS13_GEN1390	SS_RH3_PS13_RIO1300	3/4"	GENERATOR, SPARES	GENERATOR TO RIO PANEL
C-1391	CONTROL	4-#14	SS_RH3_PS13_ATS1391	SS_RH3_PS13_RIO1300	3/4"	ATS, SPARES	ATS TO RIO PANEL
C-1392	CONTROL	2-#14	SS_RH3_PS13_LSH1390	SS_RH3_PS13_RIO1300	3/4"	GENERATOR VAULT FLOOD	FLOOD SWITCH TO RIO PANEL
P-1390	POWER	2#12, #12G	POWER PANEL	SS_RH3_PS13_RIO1300	3/4"	POWER TO RIO PANEL	POWER PANEL TO RIO PANEL

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