ADDENDUM NO.1

Date: **June 28, 2021**

Subject: **Addendum No.1 to Contract Documents**
City of Mercer Island
Booster Chlorination System Project (Bid #21-28)

From: **Rona Lin, PE., Project Manager**

To: **ALL PLAN HOLDERS**

The following changes are hereby made part of the Contract Documents for the construction of the subject project as fully and completely as if they were fully set forth therein:

VOLUME 1 – SPECIFICATIONS AND CONTRACT DOCUMENTS

1) BIDDING REQUIREMENTS
    a. REPLACE page A-4 in its entirety with the attached page.
2) SECTION 33_05_00.01 – COMMON WORK RESULTS FOR GENERAL PIPING
    a. Paragraph 2.01 – ADD "B. Pipe and fittings larger than 2 inches shall be of Ductile Iron construction, unless otherwise shown on the plans. Only domestic made ductile iron and steel materials are allowed."
3) SECTION 40_05_64 – BUTTERFLY VALVES
    a. Paragraph 1.03.B.1 – REPLACE in its entirety with: "Provide and install butterfly valve types as indicated on the Drawings."
    b. Paragraph 2.01.B.2.a.1) – DELETE in its entirety.
    c. Paragraph 2.01.B.2.b.1) – DELETE in its entirety.

VOLUME 2 – DRAWINGS

4) DRAWING NO. G02 (Sheet 2 of 56)
    a. REPLACE "TM01" with "TP01" in the Sheet Index.
5) DRAWING C04 (Sheet 11 of 56)
    b. REPLACE Key Note 11 with "11. REMOVE EXISTING AIR AND VACUUM RELIEF ASSEMBLY (DETAIL 5) TO THE FLANGE OF PIPE NOZZLE. INSTALL NEW ASSEMBLY PER CITY DETAIL PD-25A ON DWG TW02."
2) DRAWING M02 (Sheet 22 of 56)
    a. ADD "7. INSTALL PLUGS ON EXISTING FLOOR DRAINS IN THE SODIUM HYPOCHLORITE ROOM DURING CONSTRUCTION. AT NO TIME IS DISPOSAL OF ANY LIQUIDS OR MATERIALS PERMITTED USING THE FLOOR DRAINS DURING CONSTRUCTION." to the General Notes.

6) DRAWING M04 (Sheet 25 of 56)
    b. ADD "INSTALL NEW" to beginning of Key Note 2.
    c. ADD "INSTALL NEW" to beginning of Key Note 9.
7) DRAWING E02 (Sheet 27 of 56)
    d. REPLACE drawing in its entirety with attached drawing.
8) DRAWING E04 (Sheet 29 of 56)
    e. REPLACE drawing in its entirety with attached drawing.
9) DRAWING E05 (Sheet 30 of 56)
    f. REPLACE drawing in its entirety with attached drawing.
10) DRAWING E06 (Sheet 31 of 56).
    g. REPLACE drawing in its entirety with attached drawing.
11) DRAWING E07 (Sheet 32 of 56).
    h. REPLACE drawing in its entirety with attached drawing.
12) DRAWING E11 (Sheet 36 of 56).
    i. REPLACE drawing in its entirety with attached drawing.
13) DRAWING E12 (Sheet 37 of 56).
    j. REPLACE drawing in its entirety with attached drawing.

BIDDER QUESTIONS AND RESPONSES

14) Per drawing E02, conduit needs to be run to the top of the reservoir tanks. Please let us know what the height of the tanks are?

    Response: The height of the tanks are: 32' for the North Reservoir and 32'-6" for the South Reservoir

15) On drawing E04, EUH-3601 Heater and thermostat are shown on the one line. Please indicate where on the drawings this is located? We don't see it on the floor plan anywhere

    Response: EUH-3601 heater will be located on the north wall in the Sodium Hypochlorite Room with the thermostat on the south wall as shown below. This update will be included in a future addendum (see Addendum 1).

16) Where are the flow meter vault and the water isolation pull box located that are shown on drawing E02? We don't see them one the floor plan

    Response: This detail is for the flow meter vault at the SE 40th St. PRV site, see Drawings E13 and E14.

17) Is there an electrical connection for the following, we don't see anything indicating that they get power or control:

    - BLR-3211 Hydrogen Dilution Blower

      Response: The Hydrogen Dilution Blower is a part of the hypochlorite package and is powered from the hypochlorite generator panel (120V). This item will be clarified in a future addendum (see Addendum 1).

    - TNK-3201 Hypochlorite Tank 1

- TNK-3202 Hypochlorite Tank 2

  Response: The Hypochlorite Tanks only have level monitoring, no power required.

- CFP-3301 Hypochlorite Pump 1
- CFP-3302 Hypochlorite Pump 2
- CFP-3303 Hypochlorite Pump 3

Response: The Hypochlorite Pumps are powered (120 V) – this is shown on the online diagram Drawing E04.

Hypochlorite pumps also have a power panel for each one shown on the wire diagrams, Drawing E12 and P&ID Drawing N05. This item will be clarified in a future addendum (see Addendum 1).

18) Is the 24" BFV, keynote 2, on sheet M04 being replaced with a new valve?

Response: The valve indicated by Key Note 2 on M04 is a new 24" butterfly valve, there is no existing valve at the location currently. The key note will be updated by addendum (see Addendum 1) to say "2. INSTALL NEW 24" BFV, FLG."

19) I don't see where the Butterfly Valve Application Schedule is? There is no schedule at the end of this section. Please clarify.

Response: There is no butterfly valve schedule, all valves are indicated on the drawings. 40 05 64 will be updated by addendum (see Addendum 1) to remove language referencing the schedule.

20) Is there any domestic material requirements such as Buy America or AIS?

Response: Pipe and fittings larger than two (2) inches shall be of Ductile Iron construction, unless otherwise shown on the plans. Only domestic made ductile iron and steel materials are allowed. Specification Section 33 05 00.01 updated by addendum (see Addendum 1) to clarify domestic requirements.

SITE VISIT QUESTIONS AND RESPONSES

21) Is the inside of the reservoir coated?

Response: The reservoir is coated.

22) Can the cranes in the storage and pump room available for use?

Response: No, the cranes in both the storage and pump room are not available for construction related to this Project.

23) Who owns the communications tower?

Response: The City owns the tower.

All Bidders must enter the number "1", on the underlined blank line after "Addendum Number" and fill in the Date on the same line on Page A-2 of bid form under Bidding Requirements section to acknowledge the Bidder's receipt of Bid Addendum No. 1.

Attachments:

Bidding Requirements – Page A-4
Drawings E02, E04, E05, E06, E07, E11, E12

PAGE REPLACED IN ITS ENTIRETY

Bid Schedule

A single contract will be awarded to the responsible bidder submitting the lowest bid for Schedule A, taking into account the Bidder's Qualifications and other bidding requirements.

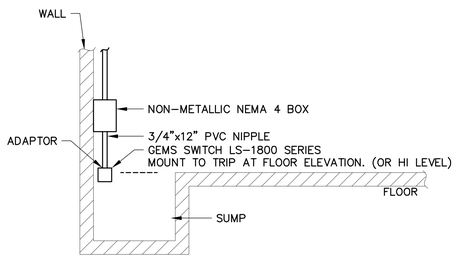
The City of Mercer Island reserves the rights to reject all bids and/or to modify the size of the project. The Additive Alternate - Schedule B will be awarded to the lowest bidder of Schedule A, if the total bid price is within budgeted funds."

Schedule A

Bid Item #	Bid Item	Quantity	Unit	Unit Cost	Total Cost
A1	West Yard Piping Installation and Modification	1	LS		
A2	East Yard Piping Installation and Modification	1	LS		
A3	Pump Station Piping Work	1	LS		
A4	Sodium Hypochlorite Generation System Installation	1	LS		
A5	Reservoir Tank Mixers Installation	1	LS		
A6	Electrical and I&C Equipment Installation and Integration	1	LS		
A7	89th Ave SE Piping Installation and Modification	1	LS		
A8	Fire Hydrant Installation and Modification	1	LS		
A9	Pressure Relief Valve and Flow Meter Vault Replacement and Installation	1	LS		
A10	Decommissioning of Existing Water Main	1	LS		
A11	Traffic Control Measures	1	LS		
A12	Backfill Materials – 5/8" Minus Crushed Rock	700	Ton		
A13	Hot Mix Asphalt – Class B	30	Ton		
A14	Traffic Flagger	360	Hours		
				Subtotal Bid:	
				Sales Tax (10.1%):	
				Total Bid:	

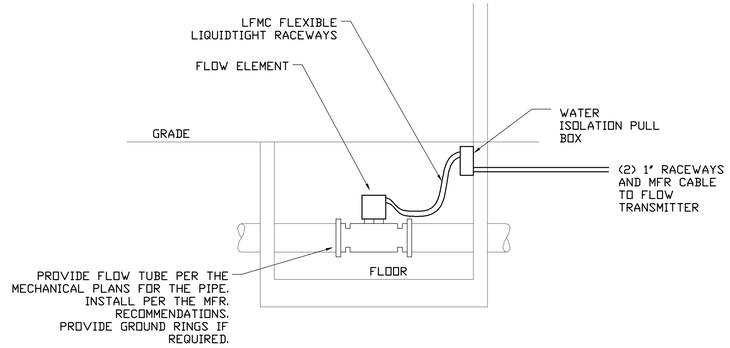
Additive Alternate - Schedule B

Bid Item #	Bid Item	Quantity	Unit	Unit Cost	Total Cost
B1	Air vacuum/air relief replacement	1	LS		
				Sales Tax (10.1%):	
				Total:	



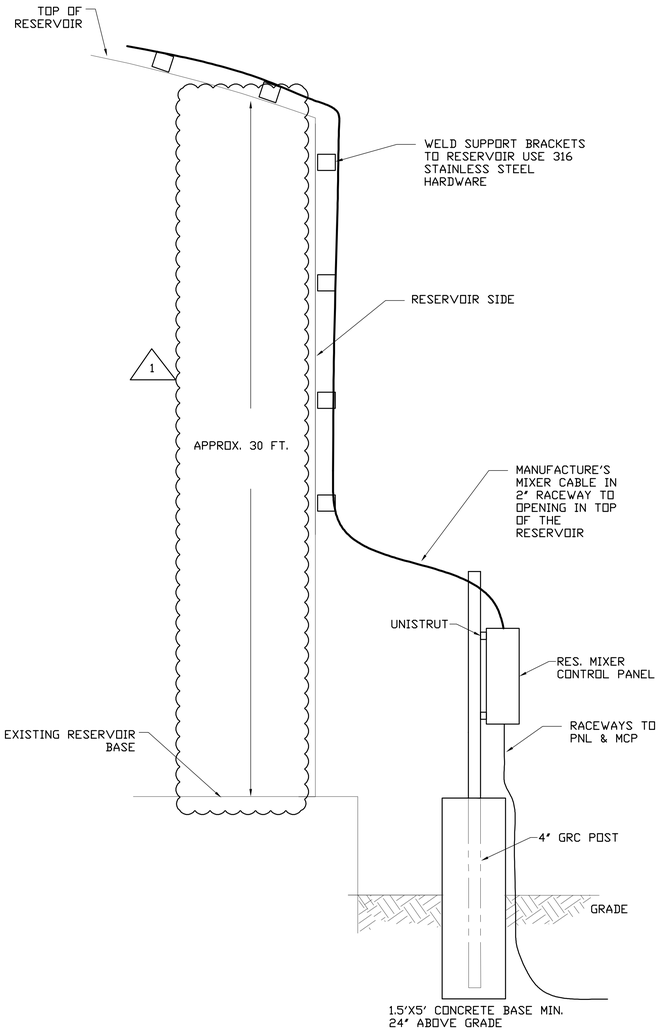
FLOOD SWITCH MOUNTING DETAIL

IF NO SUMP THEN SET TO TRIP 1" ABOVE FLOOR
SCALE: NONE



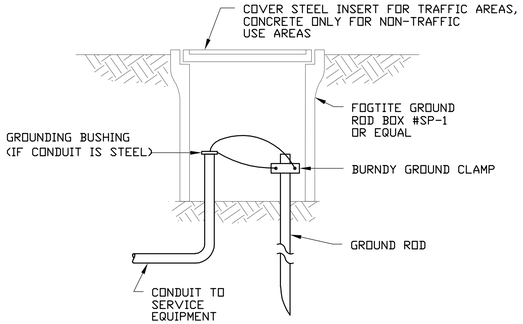
FLOW METER IN VAULT
TYPICAL INSTALLATION DETAIL

TYPICAL INSTALLATION DETAIL FOR FLOW METER INSTALLATION.
PROVIDE MOISTURE ISOLATION BOX PER DETAIL BELOW.



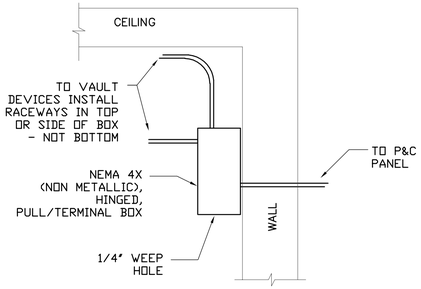
ELEC EQUIP MOUNTING STAND

MOUNTING STAND FOR MIXER CONTROL PANLES. ALL HARDWARE SHALL BE 316SS. BOXES NEMA 3R. RACEWAYS, POST, UNISTRUT SHALL BE GALVANIZED.



GROUND ROD DETAIL

SCALE: NONE



WATER ISOLATION PULL BOX

FOR PULL BOXES MOUNTED IN VAULTS
POWER & SIGNAL BOXES SIMILAR
TO KEEP WATER FROM FLOWING THROUGH RACEWAYS
AND INTO DEVICES
NTS

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VINCENT M. FOLLETT — STATE OF WASHINGTON — 28947 — REGISTERED PROFESSIONAL ENGINEER — 5/21/21

FOLLETT ENGINEERING
ELECTRICAL ENGINEERING & CONSULTING
SEATTLE, WA 425-765-6304

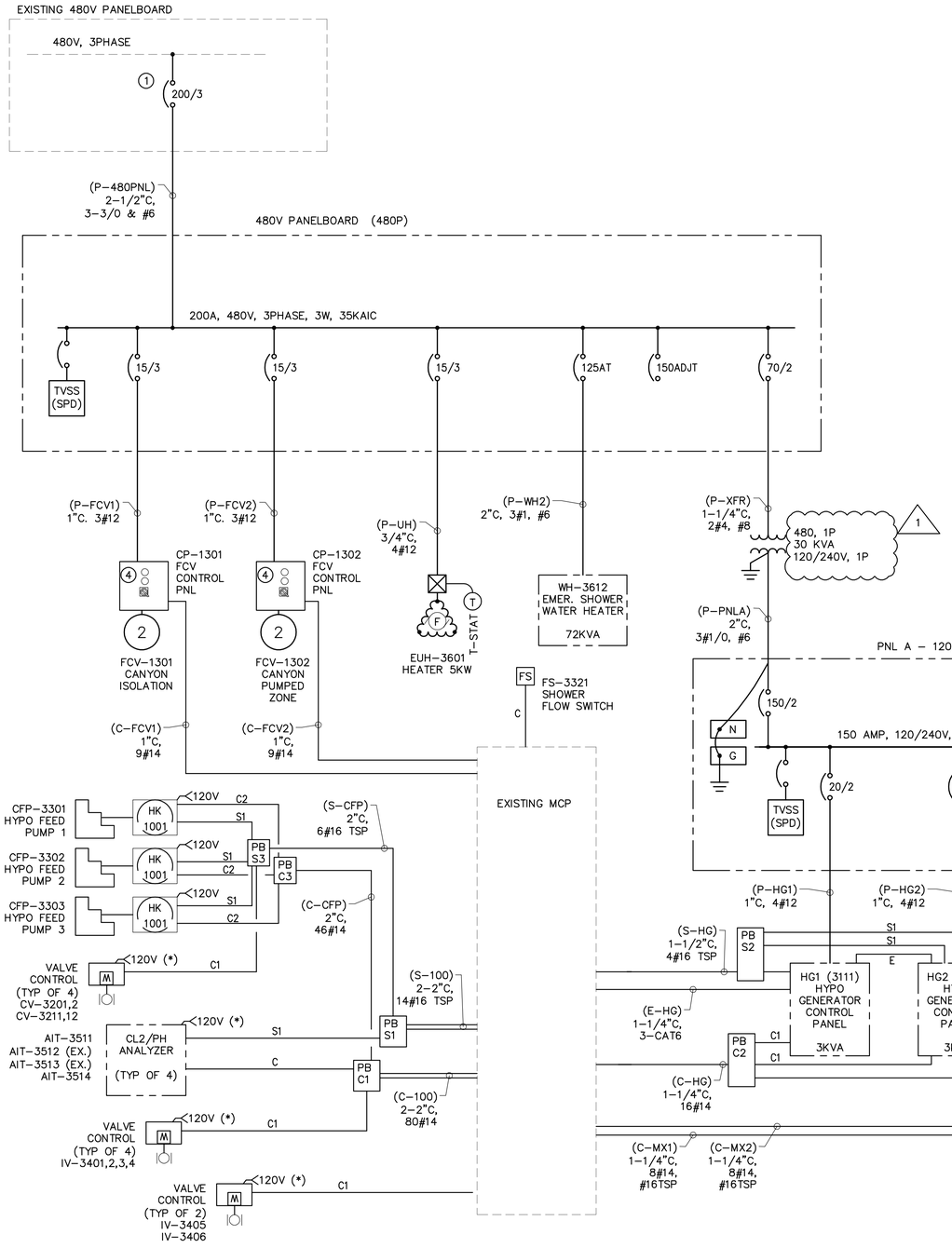
carollo

CITY OF MERCER ISLAND — WASHINGTON

CITY OF MERCER ISLAND
BOOSTER CHLORINATION SYSTEM
DETAILS

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

JOB NO. 11540C.10
DRAWING NO. E02
SHEET NO. 27 OF 55



GENERAL NOTES:

1. C —— C UNTAGGED HOMERUN SYMBOLS = 3/4" (MINIMUM SIZE) TO THE NEAREST PULL BOX (PBC, PBS) OR TO THE CONTROL PANEL (C =4 #14 MIN.), (S= 1-TSP MIN.), PROVIDE # OF WIRES AS SHOWN OR REQUIRED BY THE WIRING DIAGRAMS OR SCHEDULE WHICHEVER IS THE GREATER AMOUNT.
2. CONTROL WIRING BETWEEN DEVICES AND PULLBOXES MAY BE COMBINED IN COMMON RACEWAY WITH OTHER 120V OR CONTROL WIRING. SIGNAL WIRING MAY BE COMBINED WITH OTHER SIGNAL WIRING; PER THE ELECTRICIANS DISCRETION. SIZE CONDUITS PER NEC.
3. SEE DETAIL DRAWINGS FOR EQUIPMENT AND INSTRUMENT INSTALLATIONS. INSTALL EQUIPMENT PER THE REQUIREMENTS OF THE APPLICABLE DETAIL AND PER THE EQUIPMENT MANUFACTURERS RECOMMENDATIONS AND REQUIREMENTS.
4. PROVIDE WATER SEAL ON INSIDE OF RACEWAYS PER SPECIFICATIONS FOR ALL RACEWAY PENETRATIONS. PROVIDE WATER TIGHT SEAL AROUND OUTSIDE OF ALL CONDUIT PENETRATIONS.
5. RACEWAYS IN GENERAL SHALL BE EXPOSED. WHERE NECESSARY RACEWAYS MAY BE CONCEALED.
6. FOR RACEWAY & WIRE CONNECTIONS AND SIZES SEE ONELINE DIAGRAM AND CONDUIT AND WIRE SCHEDULE.

KEY NOTES:

1. PROVIDE 200A, 480V, 3PHASE BREAKER IN THE EXISTING PANELBOARD FOR POWER AS SHOWN.
2. HYPO GENERATOR EQUIPMENT IS A PACKAGED SYSTEM FURNISHED BY THE VENDOR AND INSTALLED BY THE CONTRACTOR. PROVIDE ALL RACEWAYS, WIRING, INSTALLATION, ETC. AS REQUIRED BY THE PLANS AND THE MANUFACTURER'S PACKAGED SYSTEM REQUIREMENTS AND SHOP DRAWINGS.
3. MIXER EQUIPMENT IS A PACKAGED SYSTEM FURNISHED BY THE VENDOR AND INSTALLED BY THE CONTRACTOR. PROVIDE ALL RACEWAYS, WIRING, INSTALLATION, ETC. AS REQUIRED BY THE PLANS AND THE MANUFACTURER'S PACKAGED SYSTEM REQUIREMENTS AND SHOP DRAWINGS.
4. FLOW CONTROL VALVES ARE PACKAGED FURNISHED BY THE VALVE MANUFACTURER AND INSTALLED BY THE CONTRACTOR. PROVIDE ALL RACEWAYS, WIRING, INSTALLATION, ETC. AS REQUIRED BY THE PLANS AND THE MANUFACTURER'S PACKAGED SYSTEM REQUIREMENTS AND SHOP DRAWINGS.

LOAD CALCULATIONS

LOAD DESCRIPTION	DUTY NO.	HP EACH	KVA EACH	Total Duty KVA	FEEDER LOAD NO.	FEEDER LOAD KVA	GENERATOR LOAD NO.	GENERATOR LOAD KVA
HG1	1		3	3	1.25	4	1	3
HG2	1		3	3	1	3	1	3
HG3	1		3	3	1	3	1	3
UNIT HEATER	1		5	5	1	5	1	5
CSEC WATER HEATER	1		5	5	1	5	1	5
SHOWER WATER HEATER	1		72	72	1	72	1	72
MISC	1		7	7	1	7	1	7
				Total Duty	DESIGN TOTAL		GEN TOTAL	
KVA SUB-TOTAL				98	KVA	99	KVA	98
AMPS @ 480V, 3P				**118**	**AMPS**	**119**	**AMPS**	**118**

1

PANEL SCHEDULE

PNL NO. A — 120/240V
LOCATION: NEW PUMP STATION — WITH MAIN BREAKER

NO.	LOAD DESCRIPTION		TRIP AMPS	TRIP AMPS		LOAD DESCRIPTION	NO.
1	HYPO GEN 1	3	20/2	20/1	1.4	MIXER NORTH	2
3				20/1	1.4	MIXER SOUTH	4
5	HYPO GEN 2	3	20/2	20/1	0.1	CV-3301	6
7				20/1	0.1	CV-3302	8
9	HYPO GEN 3	3	20/2	20/1	0.1	CV-3211	10
11				20/1	0.1	CV-3212	12
13	WH-3611	5	30/2	20/1	0.1	IV-3401	14
15				20/1	0.1	IV-3402	16
17	SPARE		20/2	20/1	0.1	IV-3403	18
19				20/1	0.1	IV-3404	20
21	SPARE		20/2	20/1	0.1	IV-3405	22
23				20/1	0.1	IV-3406	24
25	SPARE		20/1	20/1	0.5	CFP-3301	26
27	SPARE		20/1	20/1	0.5	CFP-3302	28
29	SPARE		20/1	20/1	0.5	CFP-3303	30
31	SPARE		20/2	20/1		SPARE	32
33				20/1		SPARE	34
35	SPARE		20/2	20/1		SPARE	36
37				20/1		SPARE	38
39	SPACE					SPACE	40
41	SPACE					SPACE	42
		14.0		5.3			

FOLLETT ENGINEERING — TOTAL KVA = 19.3
AMPS @ 240V, 1 PHASE = 80.4

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CITY OF MERCER ISLAND
BOOSTER CHLORINATION SYSTEM
PUMP STATION ONELINE DIAGRAM

VERIFY SCALES
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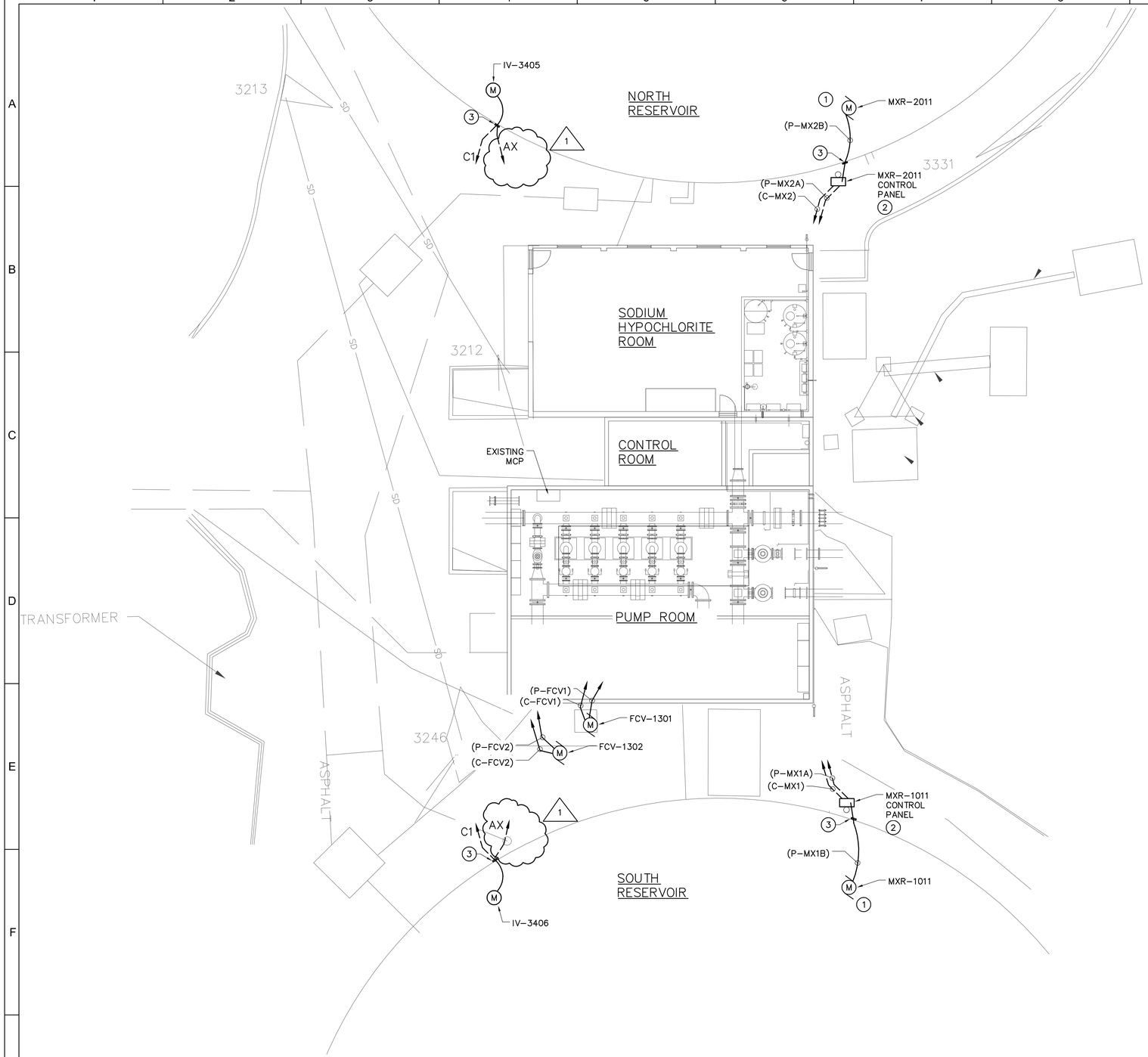
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

JOB NO. 11540C.10
DRAWING NO. E04
SHEET NO. 29 OF 55



GENERAL NOTES:

1. C UNTAGGED HOMERUN SYMBOLS = 3/4" (MINIMUM SIZE) (1" MIN. UG.) TO THE NEAREST PULL BOX (PBC, PBS) OR TO THE CONTROL PANEL (C =4 #14 MIN.), (S= 1-TSP MIN.), PROVIDE # OF WIRES AS SHOWN OR REQUIRED BY THE WIRING DIAGRAMS OR SCHEDULE WHICHEVER IS THE GREATER AMOUNT.
2. CONTROL WIRING BETWEEN DEVICES AND PULLBOXES MAY BE COMBINED IN COMMON RACEWAY WITH OTHER 120V OR CONTROL WIRING. SIGNAL WIRING MAY BE COMBINED WITH OTHER SIGNAL WIRING; PER THE ELECTRICIANS DISCRETION. SIZE CONDUITS PER NEC.
3. SEE DETAIL DRAWINGS FOR EQUIPMENT AND INSTRUMENT INSTALLATIONS. INSTALL EQUIPMENT PER THE REQUIREMENTS OF THE APPLICABLE DETAIL AND PER THE EQUIPMENT MANUFACTURERS RECOMMENDATIONS AND REQUIREMENTS.
4. PROVIDE WATER SEAL ON INSIDE OF RACEWAYS PER SPECIFICATIONS FOR ALL RACEWAY PENETRATIONS. PROVIDE WATER TIGHT SEAL AROUND OUTSIDE OF ALL CONDUIT PENETRATIONS.
5. FOR RACEWAY & WIRE CONNECTIONS AND SIZES SEE SCHEDULE AND ONELINE DIAGRAM.
6. EXPOSED RACEWAYS SHALL BE GRC, UNDERGROUND SCH 40 PVC, SWEEPS AND RISERS GRC. RACEWAYS ENTERING VAULTS AND IN HYPOCHLORITE AREA SHALL BE PVC COATED GRC.

KEY NOTES:

(1) PROVIDE INSTALLATION OF THE PACKAGED TANK MIXER SYSTEM PER THE MANUFACTURER'S REQUIREMENTS / RECOMMENDATIONS AND DETAILS. PROVIDE RACEWAYS, SUPPORTS, WIRE, ETC. AS NECESSARY FOR A COMPLETE INSTALLATION. ALL RACEWAYS IN THE RESERVOIR SHALL BE 316SS. ALL METALLIC HARDWARE AND BOXES/CABINETS SHALL BE 316SS.

(2) PROVIDE SUPPORT STRUCTURE PER DETAILS FOR MIXER CONTROL PANEL MOUNTING.

(3) TACK WELD UNISTRUT SUPPORTS ON SIDE OF TANK. REPAIR ANY COATING DAMAGED BY INSTALLATION IN KIND.

N

10 5 0 10 20
SCALE IN FEET

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CITY OF MERCER ISLAND
BOOSTER CHLORINATION SYSTEM
PUMP STATION OVERALL ELECTRICAL SITE PLAN

VERIFY SCALES
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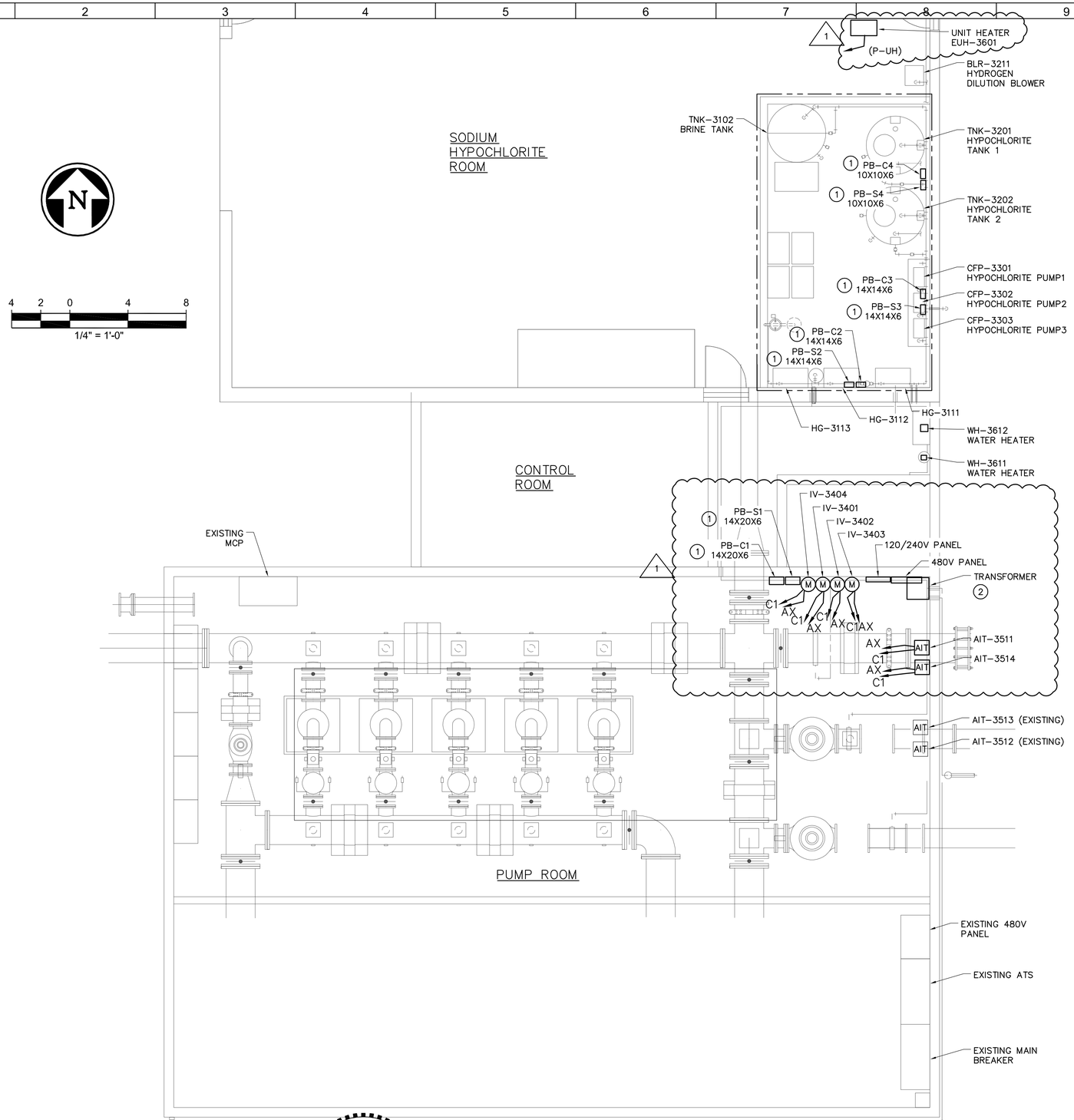
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

JOB NO. 11540C.10
DRAWING NO. E05
SHEET NO. 30 OF 55



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2. CONTROL WIRING BETWEEN DEVICES AND PULLBOXES MAY BE COMBINED IN COMMON RACEWAY WITH OTHER 120V OR CONTROL WIRING. SIGNAL WIRING MAY BE COMBINED WITH OTHER SIGNAL WIRING; PER THE ELECTRICIANS DISCRETION. SIZE CONDUITS PER NEC.
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5. FOR RACEWAY & WIRE CONNECTIONS AND SIZES SEE SCHEDULE AND ONELINE DIAGRAM.
6. PRIOR TO PLACING ANY CABINETS, EQUIPMENT, INSTRUMENTS, COORDINATE THE EXACT LOCATIONS AND OBTAIN APPROVAL FROM THE OWNER.
7. VERIFY EQUIPMENT WILL FIT AND MEET ALL CODE CLEARANCE REQUIREMENTS PER NEC PRIOR TO PURCHASE AND INSTALLATION.

KEY NOTES:

(1) PROVIDE PULL BOXES FOR SIGNAL AND CONTROL WIRING CONNECTION BETWEEN THE FIELD EQUIPMENT/INSTRUMENTS AND THE MCP AND THE PACKAGED HYPOCHLORITE SYSTEM. PB'S IN HYPOCHLORITE ROOM SHALL BE 316SS. ALL RACEWAYS IN HYPOCHLORITE ROOM SHALL BE PGRC (PVC COATED GRC) AND ALL HARDWARE AND METALLIC SUPPORTS SHALL BE 316SS.

(2) PROVIDE UNISTRUT SUPPORT STRUCTURE TO WALL MOUNT THE TRANSFORMER ABOVE THE PANELBOARDS.

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VINCENT M. FOLLETT — STATE OF WASHINGTON — 28947 — REGISTERED PROFESSIONAL ENGINEER — 5/21/21

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SEATTLE, WA 425-765-6304

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CITY OF MERCER ISLAND — WASHINGTON

CITY OF MERCER ISLAND
BOOSTER CHLORINATION SYSTEM
PUMP STATION ELECTRICAL PLAN

VERIFY SCALES
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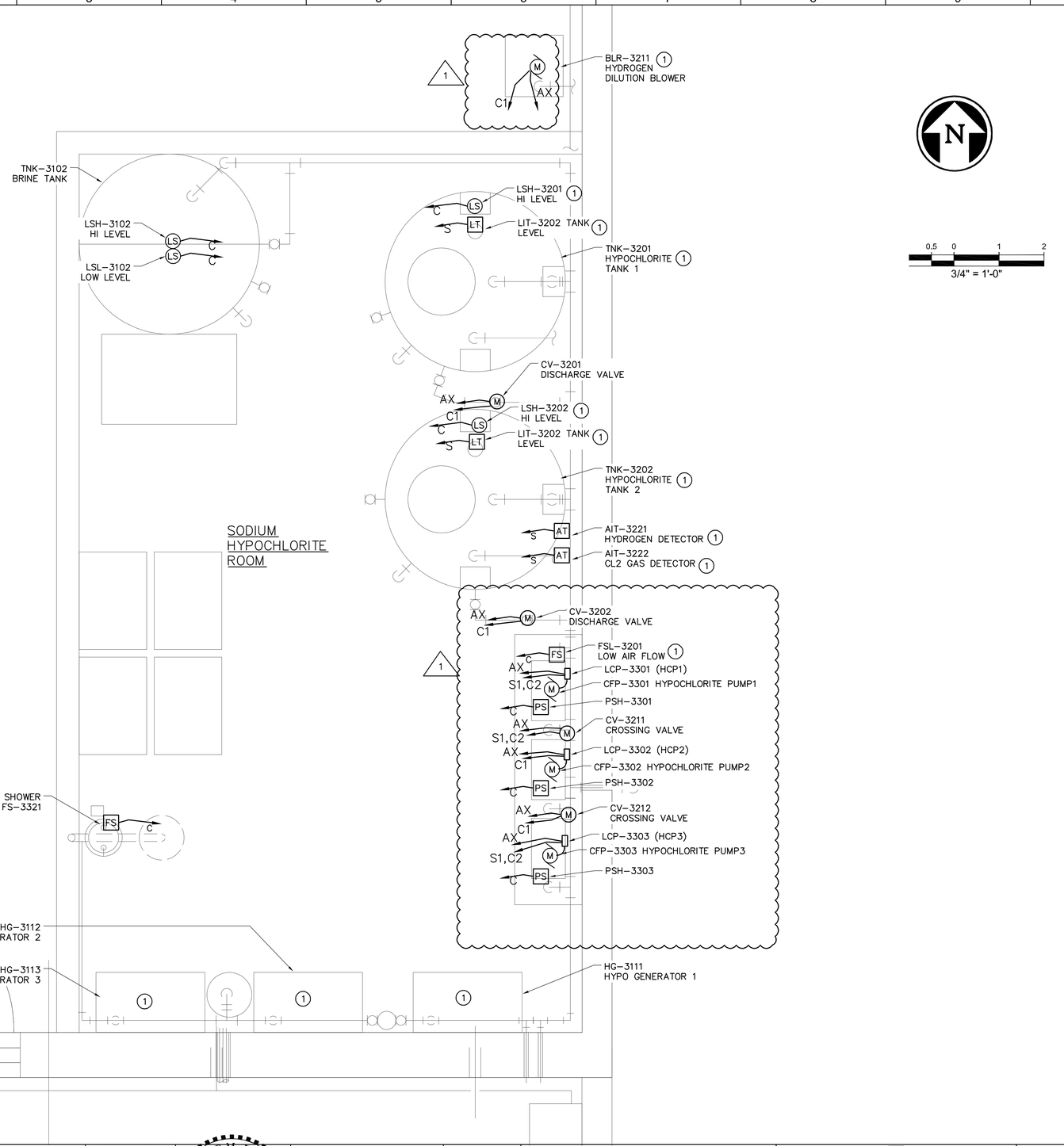
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

JOB NO. 11540C.10
DRAWING NO. E06
SHEET NO. 31 OF 55



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5. FOR RACEWAY & WIRE CONNECTIONS AND SIZES SEE SCHEDULE AND ONELINE DIAGRAM. EXPOSED RACEWAYS SHALL BE PGRC, EXPOSED RACEWAYS OUTSIDE OF HYPOCHLORITE ROOM MAY BE GRC; UNDERGROUND SCH 40 PVC, SWEEPS AND RISERS GRC.
6. PRIOR TO PLACING ANY CABINETS, EQUIPMENT, INSTRUMENTS, OR THE GENERATOR, COORDINATE THE EXACT LOCATIONS AND OBTAIN APPROVAL FROM THE ENGINEER.
7. VERIFY EQUIPMENT WILL FIT AND MEET ALL CODE CLEARANCE REQUIREMENTS PER NEC PRIOR TO PURCHASE AND INSTALLATION
8. SODIUM HYPOCHLORITE ROOM/AREA IS A CORROSIVE ENVIRONMENT. PROVIDE NEMA 4X ENCLOSURES AND PVC COATED GRC (PGRC). ALL METALLIC HARDWARE SHALL BE 316SS.

KEY NOTES:

(1) EQUIPMENT/INSTRUMENT FURNISHED BY SODIUM HYPOCHLORITE GENERATOR SYSTEM MANUFACTURER, INSTALLED BY THE CONTRACTOR. PROVIDE RACEWAYS, WIRE AND INSTALLATION PER THE PLANS AND MANUFACTURERS REQUIREMENTS FOR A COMPLETE SYSTEM.

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DRAWN MP
CHECKED VF
DATE MAY 21, 2021

VINCENT M. FOLLETT — STATE OF WASHINGTON — 28947 — REGISTERED PROFESSIONAL ENGINEER — 5/21/21

FOLLETT ENGINEERING
ELECTRICAL ENGINEERING & CONSULTING
SEATTLE, WA 425-765-6304

carollo

CITY OF MERCER ISLAND · WASHINGTON

CITY OF MERCER ISLAND
BOOSTER CHLORINATION SYSTEM
SODIUM HYPOCHLORITE ROOM
ELECTRICAL PLAN

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

JOB NO. 11540C.10
DRAWING NO. E07
SHEET NO. 32 OF 55

#14 CONTROL WIRE
4-20MA #16 TSP
FUTURE OR EXISTING

HYPO GENERATOR

1 NOTES:

HYPOCHLORITE SYSTEM IS A PACKAGED SYSTEM. PROVIDE ALL RACEWAYS AND WIRE AND INSTALLATION IN ACCORDANCE TO THE PLANS AND THE PACKAGE SYSTEM MFR'S REQUIREMENTS FOR A COMPLETE AND OPERABLE SYSTEM.

PACKAGED HYPO GEN CONTROL PANELS

EXISTING MCP

PLC I/O

CRS — CALL

24VDC

NOHC — CR — CR — POWER FAIL

GENERATOR 1 RUNNING
GENERATOR 2 RUNNING
GENERATOR 3 RUNNING
GENERATOR 1 FAIL
GENERATOR 2 FAIL
GENERATOR 3 FAIL
COMMON TROUBLE
COMMON FAIL
SPARE

F — FSL-3201 AIR FLOW SENSOR — 4-20MA

AIT 3221 HYDROGEN DETECTOR — 4-20MA
AIT 3222 CL2 GAS DETECTOR — 4-20MA

LSH 3201 / LIT 3201 — 4-20MA
LSH 3202 / LIT 3202 — 4-20MA

4-20MA — SPARE AI
4-20MA — SPARE AI
4-20MA — SPARE AI
4-20MA — SPARE AO
4-20MA — SPARE AO

1 BLOWER — M

ETHERNET

REV	DATE	BY	DESCRIPTION
1	6/24/21	VF	ADDENDUM NO. 1

DESIGNED VF
DRAWN MP
CHECKED VF
DATE MAY 21, 2021

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BOOSTER CHLORINATION SYSTEM
WIRE DIAGRAMS SHT 4

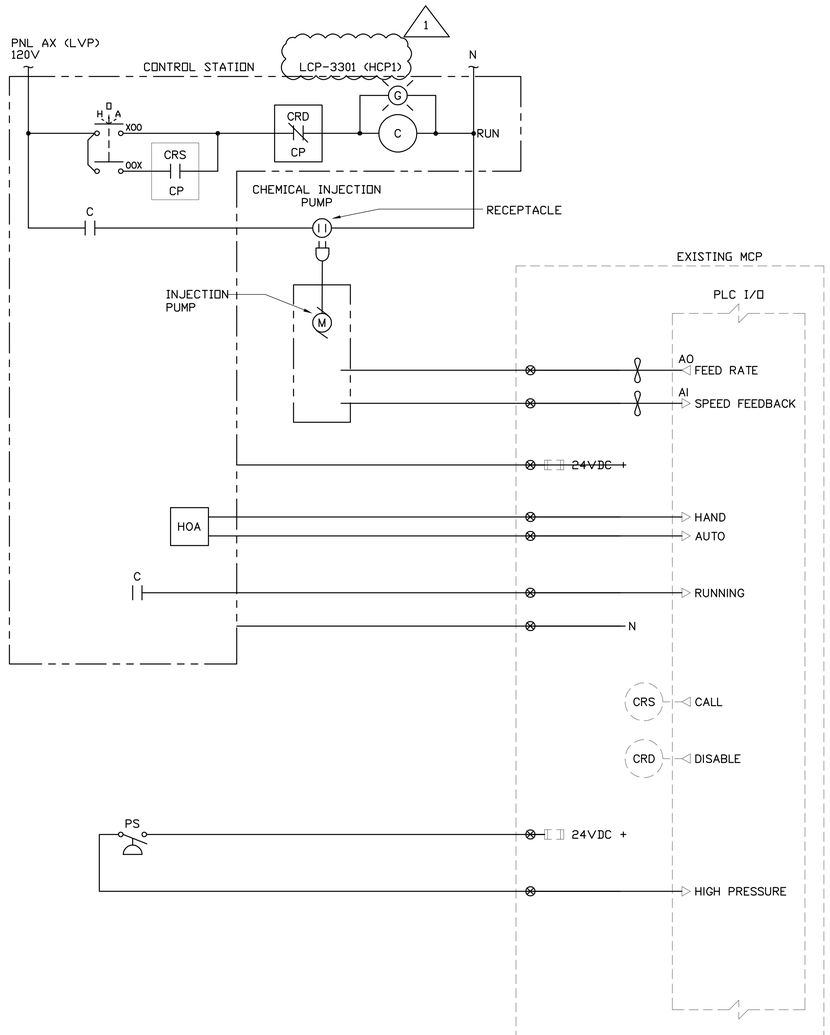
VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

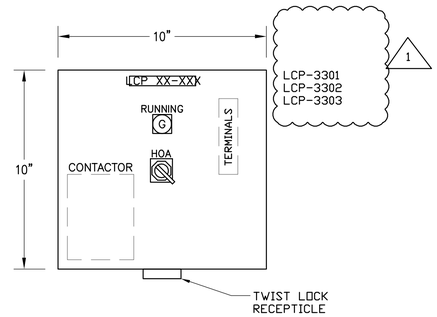
JOB NO. 11540C.10
DRAWING NO. E11
SHEET NO. 36 OF 55

#14 CONTROL WIRE
4-20MA #16 TSP
FUTURE OR EXISTING

HYPOCHLORITE PUMP

CFP-3301 HYPO FEED PUMP 1
CFP-3302 HYPO FEED PUMP 2
CFP-3303 HYPO FEED PUMP 3





CHEMICAL FEED PUMPS

CONTROL PANEL
EXTERIOR VIEW (INTERNAL DASHED)

CFP-3301
CFP-3302
CFP-3303

REV	DATE	BY	DESCRIPTION
1	6/24/21	VF	ADDENDUM NO. 1

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CITY OF MERCER ISLAND — WASHINGTON

CITY OF MERCER ISLAND
BOOSTER CHLORINATION SYSTEM
WIRE DIAGRAMS SHT 5

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

JOB NO. 11540C.10
DRAWING NO. E12
SHEET NO. 37 OF 55