

# Addendum No.3

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MONTEREY PENINSULA WATER MANAGEMENT DISTRICT

ADDENDUM NO. 3

TO

CONTRACT DOCUMENTS

For Construction of

SANTA MARGARITA WATER TREATMENT FACILITY PROJECT

## GENERAL

### Scope

The following revisions are made to the Contract Documents and its attachments for the subject project.

This Addendum (including attachments), dated September 13, 2019, includes 56 pages.

## ADDITIONAL INFORMATION

New bid opening date and time are **Tuesday September 24, 2019 at 2:00 p.m.** The location will be the same at 5 Harris Court, Building G, Monterey, CA 93940.

Questions will be accepted until 12:00 p.m. on Tuesday September 17, 2019.

## REVISIONS

### Item No. 1

Bid Opening will be Tuesday September 24, 2019 at 2:00 p.m. The location will be the same at 5 Harris Court Building G, Monterey, CA 93940.

Questions will be accepted until 12:00 pm on Tuesday September 17, 2019.

## Item No. 2

### Bid Form

Delete the Bid Form in its entirety.

Add the Bid Form provided in **Exhibit A** in its entirety.

### Item No. 3

#### Construction Plans and Drawings

Delete the following drawings in their entirety:

- G1,
- C1,
- C3
- S1
- E6
- E11
- E12
- I2
- I4
- I5
- I7
- I8
- I9
- I10

Add the following drawings provided in **Exhibit D** of this Addendum 3 in their entirety:

- G1,
- C1,
- C3
- C6a
- S1
- E6
- E11
- E12
- I2
- I4
- I5
- I7
- I8
- I9
- I10

#### Item No. 4

Construction Project Manual/Technical Specifications, 161100 Conduit, Raceways & Fittings

Delete pages five (5) through thirteen (13) of the specification in their entirety.

Add the ten (10) pages provided in **Exhibit B** of this Addendum 3 in their entirety to the specification.

#### Item No. 5

Construction Project Manual/Technical Specifications, 170100 General Instrument Requirements

Delete pages nine (9) through twenty-four (24) of the specification in their entirety.

Add the sixteen (16) pages provided in **Exhibit C** of this Addendum 3 in their entirety to the specification.

#### Item No. 6

“Architect” is defined as including “Engineer” or “Owners Representative”

#### Item No. 7

The estimate for all work described in this bid is approximately three million dollars (\$3M).

#### Item No. 8

Applications for Payment do *not* have to be notarized.



## QUESTIONS AND RESPONSES

### Question 1

I am looking for clarification on the 12" pro series channel drain manufactured by NDS. The plans call out for the drain to tie into HDPE piping. Three 8" type s HDPE and one 6" type s HDPE.

After talking with the guys at NDS the 12" channel drain is only made with 4" end cap outlets to tie into... Are we able to convert the 4" outlet to 6" or 8" with bushing?

#### Answer

The contractor can use 4" pipe at the channel drain and a 4"x6" reducer to use 6" HDPE pipe. It is acceptable to use the Dura slope trench drain in lieu of the pro series.

### Question 2

Can you please provide clarification on the fencing detail. Note 3 calls for a 4' wide chain link man gate but the drawings call for 3.5' wide chain link man gate. Which dimension would you like the man gates to be?

#### Answer

Please use the 3.5' gate.

### Question 3

Chem room 101 calls for Green grating, Chem room 102 calls for Orange grating, should the sump pit gratings be the matching color for each room?

#### Answer

YES

### Question 4

Chem room 103 has no grating, except for the Sump pit grating. What color is desired here for the Sump pit?

#### Answer

Yellow (or red if yellow is not available)

### Question 5

Looking at Plan Set dated 8-5-19, page A201 shows two tanks, one large, one small. On page M-3, there is a FLOOR Grating Plan, which appears to show the larger tank. Is there also a FLOOR Grating Plan for the smaller tank that you can provide?

#### Answer

No. Grating is of same format, the only difference is the size of the tank. Contractor to select the best grate layout option and submit in Shop Drawings for approval prior to construction.

### Question 6

Top elevation of the grating in both rooms will be 1.25' correct, as shown on page M-3? (Assuming this will match a stair tread elevation; with the stairs penetrating the grating to ground level.)

#### Answer

Correct, match the second stair tread elevation, which is approx. 15" above concrete floor.

### Question 7

Can you please provide more detail on the grasscrete. Attached is the drawing from the plans and the note says "construct 6' wide grasscrete slope protection per manufactures recommendations". There are no other details in the plans or specs regarding this.

Do you have a manufacturer to contact?

Or a spec to refer to?

#### Answer

The grasscrete pavers shall be E-Z Roll Grass Pavers as manufactured by NDS or approved equal by the owner. Grass pavers shall be installed and staked in accordance with manufacturer's recommendations. Stakes shall be NDS part number GP STAKE or approved equal by the owner. Base rock is not required for the grass pavers.

### Question 8

- How do you want the catch post to be set?
- What type of rollers do you want on the back of the gate?
- What size post do you want to hold the gate up properly as it rolls?
- A concern we have by using 5/16 wall gate frame is that the gate could weigh up to 4,000lbs once fully built, could be too heavy... Should we still price it out this way?

### Answer

These 4 items (as well as additional info. we saw as needed for the rolling gate) were addressed in the District's 9/6/19 Addendum #2 issuance, please see clouded info. on sheet A111, specifically Detail 6/A111.

### Question 9

Please provide clarification on the A/C pavement for the project. On pg. C3, note #6, calls for new A/C pavement and to refer to note 14 sheet C1. Note 14 gives direction when replacing existing A/C pavement from trenching and calls for ¾" medium mix. Note 11 calls for Type B, ½".

Which mix design is required?

What is the thickness of the new A/C pavement section?

### Answer

Note #11 governs for the A.C. pavement. Note #14 is for the work on GJM.

Using the flexible pavement design contained in Caltrans Highway Design Manual, with a Traffic Index of 5 and an assumed R-value of 30 the structural section should be 4" of Type A Hot Mix Asphalt (1½" Aggregate Gradations) over 8" of Class 2 Aggregate Base (¾" maximum Aggregate Gradation). Please be advised that the R-value is assumed as noted and I recommend an R-value of the subgrade soil be performed by the soils engineer to determine the actual thickness of Class 2 Aggregate Base and Type A Hot Mix Asphalt required.

### Question 10

I was hoping you could provide me with the DIR project no.

### Answer

We register with DIR after our Board authorizes the contract, which will be in October.

### Question 11

Can you tell me the date project was advertised for bids?

### Answer

The advertisement was listed on August 8, 2019.

## Exhibit A

### BID FORM

All labor, materials, services, tools, equipment, services and whatever else is required to perform all work in accordance with the requirements in the Call for Bids, and all documents incorporated by reference in the Call for Bids, for construction of the following:

Item	Title	Unit	Estimated Quantity	Unit Price	Total
1	Mobilization and demobilization	LS	1	\$	\$
2	Traffic control and construction area signage	LS	1	\$	\$
3	Erosion, sediment, and stormwater control	LS	1	\$	\$
4	South entrance Flow Meter, Flow Meter Vault, and sampling station including all piping, appurtenances, electrical, instrumentation, excavation and street/sidewalk repair, all other material, labor, and cost required to install such equipment indicated in Plan Drawings C7, C9, C11 Flow Meter Vault Plan and Section Flow Meter Vault Plan.	LS	1	\$	\$
5	Chemical Building and HVAC	LS	1	\$	\$
6	Hypochlorite Room non-structural interior equipment and materials, including labor and all other costs to install such equipment, indicated in Plan Drawing M1A	LS	1	\$	\$
7	Orthophosphate Room non-structural interior equipment and materials, including labor and all other costs to install such equipment, indicated in Plan Drawing M1B.	LS	1	\$	\$
8	All other Piping and Appurtenance Improvements	LS	1	\$	\$
9	All other Electrical and Instrumentation Improvements	LS	1	\$	\$
10	All other work in accordance with the Call for Bids and incorporated documents' requirements	LS	1	\$	\$
11	Sound Walls Allowance	LS	1	\$150,000	\$150,000
12	Standby Time	Hrs	8	\$	\$
Total:					\$
Total In Words:					

This form must be submitted with the bid for the bid to be responsive.

## Exhibit B

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REVISION	CONDUIT	MINIMUM CONDUIT SIZE (INCHES)	FROM	TO OR VIA	CONDUCTORS QTY-AWG	WIRE TYPE	VOLTAGE AC UNLESS NOTED OTHERWISE	PH.	GROUND (EGC) QTY- AWG	COMMENTS	DRAWING NUMBER
	CP-001	2-1/2	MPWMD SANTA MARGARITA PUMP SITE BUILDING MCC	CHEM BUILDING MAIN CIRCUIT BREAKER	3-#4/0	XHHW-2	480	3	1-#3	MAIN POWER	E-3
	CP-002	2-1/2	MPWMD SANTA MARGARITA PUMP SITE BUILDING MCC	INSIDE CHEM BUILDING	-	-	-	-	-	SPARE - STUB UP 6" FROM FLOOR PULL STRING & CAP	E-3
	CP-003	2-1/2	CHEM BUILDING MAIN CIRCUIT BREAKER	TRANSFER SWITCH	3-#4/0	XHHW-2	480	3	1-#3	MAIN POWER	E-3
	CP-004	2-1/2	TRANSFER SWITCH	MCC	3-#4/0	XHHW-2	480	3	1-#3	MAIN POWER	E-3
	CP-005	3/4	TRANSFER SWITCH	DP-1	2#12	XHHW-2	120	1	1-#12	SPACE HEATER	E-3
	CJ-900A	1-1/2	CONTROL PANEL	PULLBOX PB-J900	3-#18 TSP 2-#18 TSP 4-#18 TSP 2-#18 TSP 4-#18 TSP 1-#18 TSP	BELDEN #1032A	24VDC	-	-	FDQIT-900 PIT-913A, PIT-913B FDQIT-915, FCV-916 PIT-923A, PIT-923B FDQIT-925, FCV-926 LT-1020	E-4
	CJ-900B	1-1/2	CONTROL PANEL	PULLBOX PB-J900	-	-	-	-	-	SPARE, PULL STRING & CAP	E-4
	CJ-900C	1-1/2	CONTROL PANEL	PULLBOX PB-J900	2-#16 PR 2-#16 PR 2-#16 PR	BELDEN #9487	24VDC	-	-	LSH1000, LSL-1000 LC-916 TO FCV-916 SOLENOIDS LC-926 TO FCV-926 SOLENOIDS	E-4
	CJ-905	1	PULLBOX PB-J900	FDQIT-900	3-#18 TSP	BELDEN #1032A	24VDC	-	-	FLOW, TOTALIZER & DIRECTION	E-4

REVISION	CONDUIT	MINIMUM CONDUIT SIZE (INCHES)	FROM	TO OR VIA	CONDUCTORS QTY-AWG	WIRE TYPE	VOLTAGE AC UNLESS NOTED OTHERWISE	PH.	GROUND (EGC) QTY- AWG	COMMENTS	DRAWING NUMBER
	CJ-906	1	PULLBOX PB-J900	FDQIT-900 VAULT	-	-	-	-	-	SPARE - STUB OUT PULL STRING & CAP	E-4
	CJ-913	1	PULLBOX PB-J900	PT-913APT-913B	2-#18 TSP	BELDEN #1032A	24VDC	-	-	LOCATED IN OBRIEN BOX	E-4
	CJ-915	1	PULLBOX PB-J900	FCV-916 FDQIT-915	1-#18 TSP 3-#18 TSP	BELDEN #1032A	24VDC	-	-	VALVE POSITION FLOW, TOTALIZER & DIRECTION	E-4
	CJ-916	1	PULLBOX PB-J900	FCV-916 SV916A & B	2-#16 PR	BELDEN #9487	24VDC	-	1-#16	SV-916 A & B CONTROL	E-4
	CJ-923	1	PULLBOX PB-J900	PIT-923A PIT-923B	2-#18 TSP	BELDEN #1032A	24VDC	-	-	LOCATED IN OBRIEN BOX	E-4
	CJ-925	1	PULLBOX PB-J900	FCV-926 FDQIT-925	1-#18 TSP 3-#18 TSP	BELDEN #1032A	24VDC	-	-	VALVE POSITION FLOW, TOTALIZER & DIRECTION	E-4
	CJ-926	1	PULLBOX PB-J900	FCV-926 SV926A & B	2-#16 PR	BELDEN #9487	24VDC	1	1-#16	SV-926A & B CONTROL	E-4
	CP-900A	1	DP-1	PULLBOX PB-P900	2-#12 2-#12 2-#10	XHHW-2	120	1	1-#12 1-#12 1-#10	O-BRIEN ENCLOSURES POWER PARKING LIGHT S. GATE OPERATOR	E-4
	CP-900B	1	DP-1	PULLBOX PB-P900	2-#12 2-#12	XHHW-2	120	1	1-#12 1-#12	PT-913A/913B O'BRIEN ENCL. PT-923A/923B O'BRIAN ENCL.	E-4
	CP-900C	1	IP-1	PULLBOX PB-P900	2-#14 2-#14 2-#14	XHHW-2	120	1	1-#14 1-#14 1-#14	FDQIT-915 POWER FDQIT-925 POWER FDQIT-900 POWER	E-4
	CP-900D	1	MCC	PULLBOX PB-P900	-	-	-	-	-	SPARE	E-4



REVISION	CONDUIT	MINIMUM CONDUIT SIZE (INCHES)	FROM	TO OR VIA	CONDUCTORS QTY-AWG	WIRE TYPE	VOLTAGE AC UNLESS NOTED OTHERWISE	PH.	GROUND (EGC) QTY- AWG	COMMENTS	DRAWING NUMBER
	CP-905	1	PULLBOX PB-P900	FDQIT-900	2-#14	XHHW-2	120	1	1-#14	POWER	E-4
	CP-913	1	PULLBOX PB-P900	PT-913A/913B O'BRIEN ENCL.	2-#12	XHHW-2	120	1	1-#12		E-4
	CP-915	1	PULLBOX PB-P900	FDQIT-915	2-#14	XHHW-2	120	1	1-#14	POWER	E-4
	CP-923	1	PULLBOX PB-P900	PT-923A/923B O'BRIAN ENCL.	2-#12	XHHW-2	120	1	1-#12	-	E-4
	CP-925	1	PULLBOX PB-P900	FDQIT-925	2-#14	XHHW-2	120	1	1-#14	POWER	E-4
	CP-S. GATE	1	PULLBOX PB-P900	SOUTH GATE OPERATOR	2-#10	XHHW-2	120	1	1-#10	POWER	E-4
	CJ-1000	1-1/2	AIT-1000/150 (CONTROL PANEL) VIA PULLBOX PB-J900	AE-1000	VENDOR CABLE	-	-	-	-	SUMP CONDUCTIVITY	E-5
	CJ-1000A	1	PULLBOX PB-J900	LSH-1000 LSL-1000	1-#16 PR 1-#16 PR	BELDEN #9487	24VDC	-	-	SUMP LEVEL CONTROLS	E-5
	CJ-1020	1	PULLBOX PB-J900	LT-1020	1-#18 TSP	BELDEN #1032A	24VDC	-	-	PIT LEVEL	E-5
	CP-1000AB	1	MCC VIA PULLBOX PB-P900	P-1000A& B SUMP PUMPS JB	4-#12	XHHW-2	120	1	1#12	POWER	E-5
	CP-1200	1	MCC	AC-1200 AIR COMPRESSOR VIA PULLBOX	3-#10	XHHW-2	480	3	1-#10	POWER	E-5

REVISION	CONDUIT	MINIMUM CONDUIT SIZE (INCHES)	FROM	TO OR VIA	CONDUCTORS QTY-AWG	WIRE TYPE	VOLTAGE AC UNLESS NOTED OTHERWISE	PH.	GROUND (EGC) QTY- AWG	COMMENTS	DRAWING NUMBER
	CP-1201	1	CONTROL PANEL	SV-1201 (COMPRESSOR)	2-#14	XHHW-2	120	1	1-#14		E-5
	CP-902	1	CONTROL PANEL	PULLBOX PB-P900	2-#14	XHHW-2	120	1	1-#14 1-#14	PRV-955 CONTROLS	E-5
	CP-955	1	PULLBOX PB-P900	PRV-955	2-#14	XHHW-2	120	1	1-#14	SOLENOID VALVE CONTROL	E-5
	CP-IRR	1	DP-1	SEE PLAN	-	-	-	-	-	STUB CONDUIT UP OUTSIDE OF CONCRETE SIDEWALK. PULL STRING, CAP AND TAG (IRRIGATION)	E-5
	CP-N. GATE	1	DP-1	NORTH GATE	2-#10	XHHW-2	120	1	1-#10	POWER	E-5
	CP-PARK	1	LC-1 VIA PULLBOX PB- P900	PARKING LIGHT	2-#12	XHHW-2	120	1	1-#12	CONTROL	E-5
	CJ-100	3/4	LSH-100 LSHH-100	LCP-100	2-#14 2-#14	XHHW-2	120	-	-	STORAGE TANK FILL STATION CONTROLS	E-6
	CJ-1050	3/4	CONTROL PANEL	ZS-1050A THRU I	2#14	XHHW-2	24VDC	-	-	DOOR INTRUDER SWITCHES WIRED IN SERIES	E-6
1	CJ-001	2	MCC	CONTROL PANEL	8-#14 8-#14 4-#14 2-#14 2-#14	XHHW-2	24VDC	-	1-#14	PMP-110A& B RUN & FAIL STATUS PMP-310A & B RUN & FAIL STATUS PMP-1000A & B RUN STATUS PMP-150 RUN STATUS PMP-350 RUN STATUS	E-6
1	CJ-002	1-1/2	MCC	CONTROL PANEL				-		SPARE	E-6

REVISION	CONDUIT	MINIMUM CONDUIT SIZE (INCHES)	FROM	TO OR VIA	CONDUCTORS QTY-AWG	WIRE TYPE	VOLTAGE AC UNLESS NOTED OTHERWISE	PH.	GROUND (EGC) QTY- AWG	COMMENTS	DRAWING NUMBER
	CJ-110 NOTE 1	1-1/2	CONTROL PANEL	FS-200 LSH-200 LCP-216 LCP-220 LSH-150 JB FS-100 LCP-100	4-#14 2-#14 16-#14 16-#14 2-#14 4-#14 6-#14	XHHW-2	24VDC	-	1-#14  1-#14	TOP SAFETY SHWR ALARM PWR/CNTRLS DAY TANK LEVEL ALARM CHEM PUMP CONTROLS CHEM PUMP CONTROLS SUMP ALARM BOT SAFETY SHWR ALARM PWR/CNTRLS FILL STATION CONTROLS	E-6
	CJ-111	1	CONTROL PANEL	HYPOCHLORITE ROOM	-	-	-	-	-	SPARE - STUB OUT 12" FROM WALL, PULL STRING & CAP	E-6
1	CJ-112	3/4	MCC	HS-110A HS-110B	3-#14 3-#14	-	-	-	1-#14 1-#14	PMP-110A STOP/START SWITCH PMP-110B STOP/START SWITCH	E-6
	CJ-115NOTE 1	1-1/2	CONTROL PANEL	LT-200LCP-216LCP-220LT-101LCP-100	1-#18 TSP4- #18 TSP4-#18 TSP1-#18 TSP1-#18 TSP	BELDEN #1032A	24VDC	-		DAY TANK LEVELCHEM PUMP FLOW COMMANDCHEM PUMP FLOW COMMANDSTORAGE TANK LEVELSTORAGE TANK LEVEL TO FILL STATION	E-6
	CJ-150	1-1/2	AIT-1000/150 (CONTROL PANEL)	AE-150 JB	VENDOR CABLE	-	-	-	-	AIT LOCATED IN CONTROL PANEL SUMP CONDUCTIVITY	E-6
	CJ-217	3/4	LCP-216	PSL-217A PSL-217B	2-#14 2-#14	XHHW-2	24VDC	-	-	CHEM PUMP DISCH. PRESS. ALARM	E-6
	CJ-221	3/4	LCP-220	PSL-221A PSL-221B	2-#14 2-#14	XHHW-2	24VDC	-	-	CHEM PUMP DISCH. PRESS. ALARM	E-6
	CJ-300	3/4	LSH-300 LSHH-300	LCP-300	2-#14 2-#14	XHHW-2	120	-	-	STORAGE TANK FILL STATION CONTROLS	E-6

REVISION	CONDUIT	MINIMUM CONDUIT SIZE (INCHES)	FROM	TO OR VIA	CONDUCTORS QTY-AWG	WIRE TYPE	VOLTAGE AC UNLESS NOTED OTHERWISE	PH.	GROUND (EGC) QTY- AWG	COMMENTS	DRAWING NUMBER
	CJ-310 NOTE 1	1-1/2	CONTROL PANEL	FS-400 LSH-400 LCP-416 LCP-420 LSH-350 JB FS-300 LCP-300	4-#14 2-#14 16-#14 16-#14 2-#14 4-#14 6-#14	XHHW-2	24VDC	-	1-#14  1-#14	TOP SAFETY SHWR ALARM PWR/CNTRLS DAY TANK LEVEL ALARM CHEM PUMP CONTROLS CHEM PUMP CONTROLS SUMP ALARM BOT SAFETY SHWR ALARM PWR/CNTRLS FILL STATION CONTROLS	E-6
	CJ-311	1	CONTROL PANEL	ZOP ROOM	-	-	-	-	-	SPARE - STUB OUT 12" FROM WALL, PULL STRING & CAP	E-6
1	CJ-312	3/4	MCC	HS-110A HS-110B	3-#14 3-#14	-	-	-	1-#14 1-#14	PMP-110A STOP/START SWITCH PMP-110B STOP/START SWITCH	E-6
	CJ-315 NOTE 1	1-1/2	CONTROL PANEL	LT-400 LCP-416 LCP-420 LT-301 LCP-300	1-#18 TSP 4-#18 TSP 4-#18 TSP 1-#18 TSP 1-#18 TSP	BELDEN #1032A	24VDC	-	-	DAY TANK LEVEL CHEM PUMP FLOW COMMAND CHEM PUMP FLOW COMMAND STORAGE TANK LEVEL STORAGE TANK LEVEL TO FILL STATION	E-6
	CJ-350	1-1/2	AIT-350/650 (CONTROL PANEL)	AE-350 JB	VENDOR CABLE	-	-	-	-	AIT LOCATED IN CONTROL PANEL SUMP CONDUCTIVITY	E-6
	CJ-417	3/4	LCP-416	PSL-417APSL-417B	2-#142-#14	XHHW-2	24VDC	-	-	CHEM PUMP DISCH. PRESS. ALARM	E-6
	CJ-421	3/4	LCP-420	PSL-421A PSL-421B	2-#14 2-#14	XHHW-2	24VDC	-	-	CHEM PUMP DISCH. PRESS. ALARM	E-6
	CJ-516/517	1	CONTROL PANEL	AIT-516 AIT-517	1-#18 TSP 1-#18 TSP	BELDEN #1032A	24VDC	-	-	-	E-6
	CJ-518/522	1	CONTROL PANEL	STORAGE ROOM	-	-	-	-	-	FUTURE ANALYZER STUB OUT, PULL STRING AND CAP	E-6

REVISION	CONDUIT	MINIMUM CONDUIT SIZE (INCHES)	FROM	TO OR VIA	CONDUCTORS QTY-AWG	WIRE TYPE	VOLTAGE AC UNLESS NOTED OTHERWISE	PH.	GROUND (EGC) QTY- AWG	COMMENTS	DRAWING NUMBER
	CJ-526/527	1	CONTROL PANEL	AIT-526 AIT-527	1-#18 TSP 1-#18 TSP	BELDEN #1032A	24VDC	-	-	-	E-6
	CJ-610	1-1/2	CONTROL PANEL	FUTURE CHEMICAL ROOM	-	-	-	-	-	STUB CONDUIT 12" FROM WALL, PULL STRING AND CAP	E-6
	CJ-611	1	CONTROL PANEL	FUTURE CHEMICAL ROOM	-	-	-	-	-	SPARE STUB CONDUIT 12" FROM WALL, PULL STRING AND CAP	E-6
1	CJ-612	3/4	MCC	FUTURE CHEMICAL ROOM						SPARE STUB CONDUIT 12" FROM WALL, PULL STRING AND CAP	E-6
	CJ-615	1-1/2	CONTROL PANEL	FUTURE CHEMICAL ROOM	-	-	-	-	-	STUB CONDUIT 12" FROM WALL, PULL STRING AND CAP	E-6
	CJ-650	1-1/2	AIT-350/650 (CONTROL PANEL)	FUTURE CHEMICAL ROOM	-	-	-	-	-	STUB CONDUIT 12" FROM WALL, PULL STRING AND CAP	E-6
	CJ-FS1010	3/4	CONTROL PANEL	FS-1010	4#14	XHHW-2	24VDC	-	1-#14	SAFETY SHOWER POWER & ALARM	E-6
	CJ-FS600	3/4	CONTROL PANEL	FS-600 FS-700	4#14 4#14	XHHW-2	24VDC	-	1-#14	FUTURE CHEMICAL ROOM TOP SAFETY SHWR ALARM PWR/CNTRLS BOT SAFETY SHWR ALARM PWR/CNTRLS	E-6
	CP-006	1	IP-1	PLC CONTROL PANEL	2-#12-#12	XHHW-2	120	1	1-#12- #12	CONTROL POWERRELAY POWER	E-6
	CP-100	3/4	DP-1 IP-1	LCP-100 LT-101 LT-200	2-#12 2-#14 2-#14	XHHW-2	120	1	1-#12 1-#14 1-#14	POWER	E-6
	CP-101	3/4	MCC	HYPOCHLORITE ROOM	-	-	-	-	-	SPARE - STUB OUT 12" FROM WALL, PULL STRING & CAP	E-6

REVISION	CONDUIT	MINIMUM CONDUIT SIZE (INCHES)	FROM	TO OR VIA	CONDUCTORS QTY-AWG	WIRE TYPE	VOLTAGE AC UNLESS NOTED OTHERWISE	PH.	GROUND (EGC) QTY- AWG	COMMENTS	DRAWING NUMBER
	CP-110A/B	3/4	MCC	PMP-110A PMP-110B	3-#12 3-#12	XHHW-2	480	3	1-#12 1-#12	POWER	E-6
	CP-150	3/4	MCC	PMP-150 LSL-150 JB	2-#12 2-#14	XHHW-2	120	1	1-#12	SUMP PUMP POWER LSL CONTROL	E-6
	CP-216/220	3/4	DP-1	LCP-216 LCP-220	2-#12 2-#12	XHHW-2	120	1	1-#12 1-#12	CHEM METERING SKIDS	E-6
	CP-300	3/4	DP-1 IP-1	LCP-300 LT-301 LT-400	2-#12 2-#14 2-#14	XHHW-2	120	1	1-#12 1-#14 1-#14	POWER	E-6
	CP-301	3/4	MCC	ZOP ROOM	-	-	-	-	-	SPARE - STUB OUT PULL STRING & CAP	E-6
	CP-310A/B	3/4	MCC	PMP-310A PMP-310B	3-#12 3-#12	XHHW-2	480	3	1-#12 1-#12	POWER	E-6
	CP-350	3/4	MCC	PMP-350 LSL-350 JB	2-#12 2-#14	XHHW-2	120	1	1-#12	SUMP PUMP POWER LSL CONTROL	E-6
	CP-416/420	3/4	DP-1	LCP-416 LCP-420	2-#12 2-#12	XHHW-2	120	1	1-#12 1-#12	CHEM METERING SKIDS	E-6
	CP-516/517	1	CONTROL PANEL	AIT-516 AIT-517	2-#14 2-#14	XHHW-2	120	1	1-#14 1-#14	POWER	E-6
	CP-518/522	1	IP-1	STORAGE ROOM	-	-	-	-	-	FUTURE ANALYZERSTUB OUT, PULL STRING AND CAP	E-6
	CP-526/527	1	CONTROL PANEL	AIT-526 AIT-527	2-#14 2-#14	XHHW-2	120	1	1-#14 1-#14	POWER	E-6

REVISION	CONDUIT	MINIMUM CONDUIT SIZE (INCHES)	FROM	TO OR VIA	CONDUCTORS QTY-AWG	WIRE TYPE	VOLTAGE AC UNLESS NOTED OTHERWISE	PH.	GROUND (EGC) QTY- AWG	COMMENTS	DRAWING NUMBER
	CP-600	3/4	DP-1 IP-1	FUTURE CHEMICAL ROOM	-	-	-	-	-	STUB CONDUIT 12" FROM WALL, PULL STRING AND CAP	E-6
	CP-601	3/4	MCC	FUTURE CHEMICAL ROOM	-	-	-	-	-	SPARE -STUB CONDUIT 12" FROM WALL, PULL STRING AND CAP	E-6
	CP-610A/B	3/4	MCC	FUTURE CHEMICAL ROOM	-	-	-	-	-	STUB CONDUIT 12" FROM WALL, PULL STRING AND CAP	E-6
	CP-650	1	MCC	FUTURE CHEMICAL ROOM	-	-	-	-	-	STUB CONDUIT 12" FROM WALL, PULL STRING AND CAP	E-6
	CP-716/720	3/4	DP-1	FUTURE CHEMICAL ROOM	-	-	-	-	-	STUB CONDUIT 12" FROM WALL, PULL STRING AND CAP	E-6
	CP-EH1	1	MCC	EH-1	3-#10	XHHW-2	480	3	1-#10	HEATER POWER	E-6
	CP-EH2	1	MCC	EH-2	3-#10	XHHW-2	480	3	1-#10	HEATER POWER	E-6
	CP-EH3	1	MCC	EH-2	3-#10	XHHW-2	480	3	1-#10	HEATER POWER	E-6
	CJ-ANT	2"	CONTROL PANEL	ANTENNA (ROOF)	RADIO CABLE	-	-	-	-	RADIO	E-7
	CJ-PCCELL	1/2"	PC (PHOTOCONTROLLER)	PHOTOCELL	4-#18	XHHW-2	24	1	-	LOCATED ON ROOF	E-7
	CP-EF1A	1	MCC	EF-1 DISC	3-#12	XHHW-2	480	3	1-#12	FAN POWER	E-7

REVISION	CONDUIT	MINIMUM CONDUIT SIZE (INCHES)	FROM	TO OR VIA	CONDUCTORS QTY-AWG	WIRE TYPE	VOLTAGE AC UNLESS NOTED OTHERWISE	PH.	GROUND (EGC) QTY- AWG	COMMENTS	DRAWING NUMBER
	CP-EF1B	1	EF-1 DISC	EF-1	3-#12	XHHW-2	480	3	1-#12	FAN POWER	E-7
	CP-EF2A	1	MCC	EF-2 DISC	3-#12	XHHW-2	480	3	1-#12	FAN POWER	E-7
	CP-EF2B	1	EF-2 DISC	EF-2	3-#12	XHHW-2	480	3	1-#12	FAN POWER	E-7
	CP-EF3A	1	MCC	EF-1 DISC	3-#12	XHHW-2	480	3	1-#12	FAN POWER	E-7
	CP-EF3B	1	EF-3 DISC	EF-3	3-#12	XHHW-2	480	3	1-#12	FAN POWER	E-7
	CP-HPA	1	DP-1	HP-1 DISC	2-#10	XHHW-2	208	1	1-#12	H HEAT PUMP	E-7
	CP-HPB	1	HP-1 DISC	HP-1	2-#10	XHHW-2	208	1	1-#12	H HEAT PUMP	E-7



## Exhibit C

*Intentional Blank*

*Intentional Blank*

Revision	Equipment Identification	Number	Equipment Suffix	Service	Furnished by	Equip. Type M=Mech, E=Elec, V= Valve, I= Instrument	Equipment Description or Manufacturer / Model Number	P&ID Diagram	Spec. Section	Voltage	Range	Initial Setpoint	PLC I/O Type AI - Analog Input AO- Analog Output DI-Discrete Input DO-Discrete Output	Comments
	FDQIT	900		MARINA METER	CONTRACTOR	I	TIGERMAG EP MODEL 656	I-2	151600 173100	120VAC/ 24VDC			AI, DI	TRANSMITTER
	FDQIT	915		16" HEADER	CONTRACTOR	I	TIGERMAG EP MODEL 656	I-2	151600 173100	120VAC/ 24VDC			AI, DI	TRANSMITTER
	FDQIT	925		16" HEADER	CONTRACTOR	I	TIGERMAG EP MODEL 656	I-2	151600 173100	120VAC/ 24VDC			AI, DI	TRANSMITTER
	FE	900		MARINA METER, 24"	CONTRACTOR	M	TIGERMAG EP MODEL 656	I-2	173100					FLOW TUBE WITH GROUND RINGS
	FE	915		16" HEADER	CONTRACTOR	M	TIGERMAG EP MODEL 656	I-2	173100					FLOW TUBE WITH GROUND RINGS
	FE	925		20" HEADER	CONTRACTOR	M	TIGERMAG EP MODEL 656	I-2	173100					FLOW TUBE WITH GROUND RINGS
	FQI	950		WASTE TO PIT	CONTRACTOR	M		I-2						TURBINE FLOW METER NO ELCTRICAL OUTPUT
	HS	955		HOA OPERATES PRV-955	NIC; BY OTHERS	I	-	I-2		24VDC			DI	BY CONTROL PANEL MANUFACTURER
	LCP	916		16" HEADER	CONTRACTOR	I	CLA-VALVE CONTROLLER	I-2	152180	24VDC			AI, DI	INSTALL IN CONTROL PANEL
	LCP	926		16" HEADER	CONTRACTOR	I	CLA-VALVE CONTROLLER	I-2	152180	24VDC			AI, DI	INSTALL IN CONTROL PANEL

Revision	Equipment Identification	Number	Equipment Suffix	Service	Furnished by	Equip. Type M=Mech, E=Elec, V= Valve, I= Instrument	Equipment Description or Manufacturer / Model Number	P&ID Diagram	Spec. Section	Voltage	Range	Initial Setpoint	PLC I/O Type AI - Analog Input AO- Analog Output DI-Discrete Input DO-Discrete Output	Comments
	PI	912		16" HEADER	CONTRACTOR	I	ASHCROFT	I-2	175100					
	PI	922		20" HEADER	CONTRACTOR	I	ASHCROFT	I-2	175100					
	PT	913	A	16" HEADER	CONTRACTOR	I	ROSEMOUNT 3051TG3A2B21AB4M5	I-2	175100	24VDC	0-200 psi		AI	SUPPLY WITH O'BRIEN BOX WITH HEAT TRACE; COMMON WITH PT-913B
	PT	913	B	16" HEADER	CONTRACTOR	I	ROSEMOUNT 3051TG3A2B21AB4M5	I-2	175100	24VDC	0-200 psi		AI	SUPPLY WITH O'BRIEN BOX WITH HEAT TRACE; COMMON WITH PT-913A
	PT	923	A	20" HEADER	CONTRACTOR	I	ROSEMOUNT 3051TG3A2B21AB4M5	I-2	175100	24VDC	0-200 psi		AI	SUPPLY WITH O'BRIEN BOX WITH HEAT TRACE; COMMON WITH PT-923B
	PT	923	B	20" HEADER	CONTRACTOR	I	ROSEMOUNT 3051TG3A2B21AB4M5	I-2	175100	24VDC	0-200 psi		AI	SUPPLY WITH O'BRIEN BOX WITH HEAT TRACE; COMMON WITH PT-923A
	SV	916	A	16" HEADER	CONTRACTOR	V	CLA-VALVE SOLENOID	I-2	151600	24VDC				SUPPLIED WITH VALVE
	SV	916	B	16" HEADER	CONTRACTOR	V	CLA-VALVE SOLENOID	I-2	151600	24VDC				SUPPLIED WITH VALVE
	SV	926	A	20" HEADER	CONTRACTOR	V	CLA-VALVE SOLENOID	I-2	151600	24VDC				SUPPLIED WITH VALVE
	SV	926	B	20" HEADER	CONTRACTOR	V	CLA-VALVE SOLENOID	I-2	151600	24VDC				SUPPLIED WITH VALVE

Revision	Equipment Identification	Number	Equipment Suffix	Service	Furnished by	Equip. Type M=Mech, E=Elec, V= Valve, I= Instrument	Equipment Description or Manufacturer / Model Number	P&ID Diagram	Spec. Section	Voltage	Range	Initial Setpoint	PLC I/O Type AI - Analog Input AO- Analog Output DI-Discrete Input DO-Discrete Output	Comments
	SV	955		PRV-955 SOLENOID	CONTRACTOR	V	ASCO TYPE	I-2		120VAC			DO	SUPPLIED WITH VALVE
	ZI	1050	A	DOOR LIMIT SWITCH	CONTRACTOR	I	HONEYWELL-ADMECO #968XTP	I-2	175900	24VDC			DI	
	ZI	1050	B	DOOR LIMIT SWITCH	CONTRACTOR	I	HONEYWELL-ADMECO #968XTP	I-2	175900	24VDC			DI	
	ZI	1051	C	DOOR LIMIT SWITCH	CONTRACTOR	I	HONEYWELL-ADMECO #968XTP	I-2	175900	24VDC			DI	
	ZI	1051	D	DOOR LIMIT SWITCH	CONTRACTOR	I	HONEYWELL-ADMECO #968XTP	I-2	175900	24VDC			DI	
	ZI	1051	E	DOOR LIMIT SWITCH	CONTRACTOR	I	HONEYWELL-ADMECO #968XTP	I-2	175900	24VDC			DI	
	ZI	1051	F	DOOR LIMIT SWITCH	CONTRACTOR	I	HONEYWELL-ADMECO #968XTP	I-2	175900	24VDC			DI	
	ZI	1051	G	DOOR LIMIT SWITCH	CONTRACTOR	I	HONEYWELL-ADMECO #968XTP	I-2	175900	24VDC			DI	
	ZI	1051	H	DOOR LIMIT SWITCH	CONTRACTOR	I	HONEYWELL-ADMECO #968XTP	I-2	175900	24VDC			DI	
	ZI	1051	I	DOOR LIMIT SWITCH	CONTRACTOR	I	HONEYWELL-ADMECO #968XTP	I-2	175900	24VDC			DI	

Revision	Equipment Identification	Number	Equipment Suffix	Service	Furnished by	Equip. Type M=Mech, E=Elec, V= Valve, I= Instrument	Equipment Description or Manufacturer / Model Number	P&ID Diagram	Spec. Section	Voltage	Range	Initial Setpoint	PLC I/O Type AI - Analog Input AO - Analog Output DI - Discrete Input DO - Discrete Output	Comments
	AE	1000		OUTSIDE /CHEM ROOM SUMP	CONTRACTOR	I	YOKOGAWA CONDUCTIVITY PROBE ISC40FD-V-01/FA/PH5	I-3	172150	mV				PURCHASE EXTENSION JUNCTION BOX & CABLE WITH PROBE
	FS	1010		TRUCK LOADING SAFETY SHOWER	CONTRACTOR	I	FLUID COMPONENTS INTERNATIONAL, / FLT93B-AX00	I-3		24VDC			DI	"X" - INSERTION U-LENGTH TO BE DETERMINED BY CONTRACTOR
	HS	1000	A	HOA OPERATES PMP-1000A	NIC; BY OTHERS	E	-	I-3		24VDC			DI	BY CONTROL PANEL MANUFACTURER
	HS	1200		ON/OFF SELECTOR SWITCH	NIC; BY OTHERS	I		I-3					DI	BY CONTROL PANEL MANUFACTURER
	LSH	1000		SUMP LEVEL SWITCH	CONTRACTOR	I	OMEGA LV-80	I-3	174200	24VDC			DI	
	LSL	1000		SUMP LEVEL SWITCH	CONTRACTOR	I	OMEGA LV-80	I-3	174200	24VDC			DI	
	LT	1020		PIT WATER LEVEL	CONTRACTOR	I	DRUCK	I-3	174200	24VDC	0-12' H2O		AI	OFCI
	SV	1201		TRUCK AIR SOLENOID	CONTRACTOR	V	ASCO	I-3		120VAC			DO	
	AIT	1000 / 150		SUMP CONDUCTIVITY	CONTRACTOR	I	YOKOGAWA FLXA402	I-3, I-4	172150	120VAC			AI	COMMON CONDUCTIVITY ANALYZER FOR 2 SUMPS; INSTALLED IN CONTROL PANEL
	AE	150		NAOCL CHEM ROOM SUMP	CONTRACTOR	I	YOKOGAWA CONDUCTIVITY PROBE ISC40FD-V-01-NFL/PH5	I-4	172150	mV				PURCHASE EXTENSION JUNCTION BOX & CABLE WITH PROBE

Revision	Equipment Identification	Number	Equipment Suffix	Service	Furnished by	Equip. Type M=Mech, E=Elec, V= Valve, I= Instrument	Equipment Description or Manufacturer / Model Number	P&ID Diagram	Spec. Section	Voltage	Range	Initial Setpoint	PLC I/O Type AI - Analog Input AO - Analog Output DI - Discrete Input DO - Discrete Output	Comments
	FS	100		NAOCL BULK TANK SAFETY SHOWER	CONTRACTOR	I	FLUID COMPONENTS INTERNATIONAL, / FLT93B-AX00	I-4		24VDC			DI	"X" - INSERTION U-LENGTH TO BE DETERMINED BY CONTRACTOR
	HS	100		LCP-100 ACKNOWLEDGE / RESET SELECTOR	CONTRACTOR	I	ALLEN BRADLEY 800H SERIES	I-4	172100	120VAC				
1	HS	110	A	STOP/START OPERATES PMP-110A	NIC; BY OTHERS	I	-	I-4		120VAC				BY CONTROL PANEL MANUFACTURER
1	HS	110	B	STOP/START OPERATES PMP-110B	NIC; BY OTHERS	I	-	I-4		120VAC				BY CONTROL PANEL MANUFACTURER
	HS	150	A	PMP-150 START-STOP PUSHBUTTON	NIC; BY OTHERS	I		I-4		24VDC				BY CONTROL PANEL MANUFACTURER
	HS	1000	B	HOA OPERATES PMP-1000B	NIC; BY OTHERS	E	-	I-4		24VDC			DI	BY CONTROL PANEL MANUFACTURER
	LI	100		NAOCL BULK LEVEL INDICATOR	CONTRACTOR	I	GEMS SURESITE	I-4	174200		0-12'			
	LI	101		NAOCL2 BULK LEVEL INDICATOR	CONTRACTOR	I	RED LION PAX	I-4	172100	24VDC	0-100%		AO	IN LCP-100
	LSH	100		NAOCL BULK TANK LEVEL SWITCH	CONTRACTOR	I	GEMS 84320-P	I-4	174200	120VAC		11'-0"		ORDER WITH LI100
	LSH	100		INDICATING LIGHT	CONTRACTOR	I	ALLEN BRADLEY 800H SERIES	I-4	172100	120VAC				IN LCP-100

Revision	Equipment Identification	Number	Equipment Suffix	Service	Furnished by	Equip. Type M=Mech, E=Elec, V= Valve, I= Instrument	Equipment Description or Manufacturer / Model Number	P&ID Diagram	Spec. Section	Voltage	Range	Initial Setpoint	PLC I/O Type AI - Analog Input AO - Analog Output DI - Discrete Input DO - Discrete Output	Comments
	LSH	150		SUMP LEVEL SWITCH	CONTRACTOR	I	OMEGA LV-80	I-4	174200	24VDC			DI	
	LSHH	100		NAOCL BULK TANK LEVEL SWITCH	CONTRACTOR	I	GEMS 84320-P	I-4	174200	120VAC		12'-0"		ORDER WITH LI100
	LSHH	100		INDICATING LIGHT	CONTRACTOR	I	ALLEN BRADLEY 800H SERIES	I-4	172100	120VAC				IN LCP-100
	LSHH	100SL		STROBE LIGHT & HORN	CONTRACTOR	I	FEDERAL SIGNAL AV1-LED SERIES	I-4		120VAC				IN LCP-100
	LSL	150		SUMP LEVEL SWITCH	CONTRACTOR	I	OMEGA LV-80	I-4	174200	24VDC			DI	
	LT	101		NAOCL BULK TANK LEVEL	CONTRACTOR	I	ENDRESS + HAUSER – PROSONIC FMU40	I-4	174200	120VAC/ 24VDC	0-15'		AI	
	PI	100		NAOCL CHEM ROOM FILL LINE	CONTRACTOR	I	ASHCROFT	I-4	175100					
	FS	200		NAOCL DAY TANK SAFETY SHOWER	CONTRACTOR	I	FLUID COMPONENTS INTERNATIONAL, / FLT93B-AX00	I-5		24VDC			DI	"X" - INSERTION U-LENGTH TO BE DETERMINED BY CONTRACTOR
	HS	216	A	HOA OPERATES PMP-216A	DISTRICT	I	PROMINENT	I-5		24VDC			DI	PART OF CHEM SKID PACKAGE; OFCI
	HS	216	B	HOA OPERATES PMP-216B	DISTRICT	I	PROMINENT	I-5		24VDC			DI	PART OF CHEM SKID PACKAGE; OFCI



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	HS	220	A	HOA OPERATES PMP-220A	DISTRICT	I	PROMINENT	I-5		24VDC			DI	PART OF CHEM SKID PACKAGE; OFCI
	HS	220	B	HOA OPERATES PMP-220B	DISTRICT	I	PROMINENT	I-5		24VDC			DI	PART OF CHEM SKID PACKAGE; OFCI
1	LI	200		NAOCL DAY TANK LEVEL INDICATOR	CONTRACTOR	I	GEMS SURESITE	I-5	174200		0-5'			
1	LIT	200		NAOCL DAY TANK LEVEL	CONTRACTOR	I	ENDRESS + HAUSER – PROSONIC FMU40	I-5	174200	120VAC/24VDC	0-5'		AI	
1	LSH	200		NAOCL DAY TANK LEVEL SWITCH	CONTRACTOR	I	GEMS 84320-P	I-5	174200	120VAC		4'-6"		ORDER WITH LI200
	PI	216	A	NAOCL PMP-216A OUTLET PRESSURE	DISTRICT	I	PROMINENT	I-5			0-60 PSI			PART OF CHEM SKID PACKAGE; OFCI
	PI	216	B	NAOCL PMP-216B OUTLET PRESSURE	DISTRICT	I	PROMINENT	I-5			0-60 PSI			PART OF CHEM SKID PACKAGE; OFCI
	PI	218		NAOCL PMP-216A & B SKID OUTLET PRESSURE	DISTRICT	I	PROMINENT	I-5			0-160 PSI			PART OF CHEM SKID PACKAGE; OFCI
	PI	220	A	NAOCL PMP-220A OUTLET PRESSURE	DISTRICT	I	PROMINENT	I-5			0-160 PSI			PART OF CHEM SKID PACKAGE; OFCI
	PI	220	B	NAOCL PMP-220B OUTLET PRESSURE	DISTRICT	I	PROMINENT	I-5			0-160 PSI			PART OF CHEM SKID PACKAGE; OFCI

Revision	Equipment Identification	Number	Equipment Suffix	Service	Furnished by	Equip. Type M=Mech, E=Elec, V= Valve, I= Instrument	Equipment Description or Manufacturer / Model Number	P&ID Diagram	Spec. Section	Voltage	Range	Initial Setpoint	PLC I/O Type AI - Analog Input AO - Analog Output DI - Discrete Input DO - Discrete Output	Comments
	PI	222		NAOCL PMP-220A & B SKID OUTLET PRESSURE	DISTRICT	I	PROMINENT	I-5						PART OF CHEM SKID PACKAGE; OFCI
	PSL	217	A	NAOCL PMP-217A OUTLET PRESSURE SWITCH	DISTRICT	I	PROMINENT	I-5		24VDC		120 PSI	DI	PART OF CHEM SKID PACKAGE; OFCI
	PSL	217	B	NAOCL PMP-217B OUTLET PRESSURE SWITCH	DISTRICT	I	PROMINENT	I-5		24VDC		120 PSI	DI	PART OF CHEM SKID PACKAGE; OFCI
	PSL	221	A	NAOCL PMP-220A OUTLET PRESSURE SWITCH	DISTRICT	I	PROMINENT	I-5		24VDC		120 PSI	DI	PART OF CHEM SKID PACKAGE; OFCI
	PSL	221	B	NAOCL PMP-220B OUTLET PRESSURE SWITCH	DISTRICT	I	PROMINENT	I-5		24VDC			DI	PART OF CHEM SKID PACKAGE; OFCI
1	AE	516		16" HEADER CHLORINE SENSOR	CONTRACTOR	I	DULCOMETER DAC SERIES / CLE SENSOR / DGMA201T010 HOUSING	I-6	172150	mV	0.1-10 PPM	2 PPM		PART OF PROMINENT FLUID CONTROLS CHLORINE RESIDUAL ANALYZER PACKAGE; <b>FURNISHED AND INSTALLED BY CONTRACTOR</b>
	AE	517		16" HEADER TURBIDITY SENSOR	CONTRACTOR	I	HACH / TU5300SC	I-6	172150	120VAC				TURBIDITY SENSOR COMES WITH ANALYZER
	AE	518		16" HEADER FUTURE SENSOR	NIC	I		I-6						FUTURE; NIC
1	AE	520		20" HEADER CHLORINE SENSOR	CONTRACTOR	I	DULCOMETER DAC SERIES / CLE SENSOR / DGMA201T010 HOUSING	I-6	172150	mV	0.1-10 PPM	2 PPM		PART OF PROMINENT FLUID CONTROLS CHLORINE RESIDUAL ANALYZER PACKAGE; <b>FURNISHED AND INSTALLED BY CONTRACTOR</b>
	AE	521		20" HEADER TURBIDITY SENSOR	CONTRACTOR	I	HACH / TU5300SC	I-6	172150	mV				TURBIDITY SENSOR COMES WITH ANALYZER

Revision	Equipment Identification	Number	Equipment Suffix	Service	Furnished by	Equip. Type M=Mech, E=Elec, V= Valve, I= Instrument	Equipment Description or Manufacturer / Model Number	P&ID Diagram	Spec. Section	Voltage	Range	Initial Setpoint	PLC I/O Type AI - Analog Input AO - Analog Output DI - Discrete Input DO - Discrete Output	Comments
	AE	522		20" HEADER FUTURE SENSOR	NIC	I		I-6						FUTURE; NIC
1	AIT	516		16" HEADER CHLORINE ANALYZER	CONTRACTOR	I	DULCOMETER DAC SERIES	I-6	172150	120VAC	0-10 PPM	2 PPM	AI	PART OF PROMINENT FLUID CONTROLS CHLORINE RESIDUAL ANALYZER PACKAGE; <b>FURNISHED AND INSTALLED BY CONTRACTOR</b>
	AIT	517		16" HEADER TURBIDITY ANALYZER	CONTRACTOR	I	HACH / TU5300SC	I-6	172150	120VAC	0-5 NTU	2 NTU	AO	WITH CONTROLLER
	AIT	518		16" HEADER FUTURE ANALYZER	NIC	I		I-6						FUTURE; NIC
1	AIT	520		20" HEADER CHLORINE ANALYZER	CONTRACTOR	I	DULCOMETER DAC SERIES	I-6	172150	120VAC	0-10 PPM	2 PPM	AI	PART OF PROMINENT FLUID CONTROLS CHLORINE RESIDUAL ANALYZER PACKAGE <b>FURNISHED AND INSTALLED BY CONTRACTOR</b>
	AIT	521		20" HEADER TURBIDITY ANALYZER	CONTRACTOR	I	HACH / TU5300SC	I-6	172150	120VAC	0-5 NTU	2 NTU	AI	WITH CONTROLLER
	AIT	522		20" HEADER FUTURE ANALYZER	NIC	I		I-6					AI	FUTURE; NIC
	AE	350		ZOP CHEM ROOM SUMP	CONTRACTOR	I	YOKOGAWA CONDUCTIVITY PROBE ISC40FD-V-01-NFL/PH5	I-7	172150	mV				PURCHASE EXTENSION JUNCTION BOX & CABLE WITH PROBE
	AIT	350 / 650		SUMP CONDUCTIVITY	CONTRACTOR	I	YOKOGAWA FLXA402	I-7, I-9	172150	120VAC			AI	COMMON CONDUCTIVITY ANALYZER FOR 2 SUMPS; INSTALL IN CONTROL PANEL
	FS	300		ZOP BULK TANK SAFETY SHOWER	CONTRACTOR	I	FLUID COMPONENTS INTERNATIONAL, / FLT93B-AX00	I-7		24VDC			DI	"X" - INSERTION U-LENGTH TO BE DETERMINED BY CONTRACTOR

Revision	Equipment Identification	Number	Equipment Suffix	Service	Furnished by	Equip. Type M=Mech, E=Elec, V= Valve, I= Instrument	Equipment Description or Manufacturer / Model Number	P&ID Diagram	Spec. Section	Voltage	Range	Initial Setpoint	PLC I/O Type AI - Analog Input AO - Analog Output DI - Discrete Input DO - Discrete Output	Comments
	HS	300		LCP-300 ACKNOWLEDGE / RESET SELECTOR	CONTRACTOR	I	ALLEN BRADLEY 800H SERIES	I-7	172100	120VAC				IN LCP-300
1	HS	310	A	STOP/START OPERATES PMP-310A	NIC; BY OTHERS	I	-	I-7		120VAC			DI	BY CONTROL PANEL MANUFACTURER
1	HS	310	B	STOP/START OPERATES PMP-310B	NIC; BY OTHERS	I	-	I-7		120VAC			DI	BY CONTROL PANEL MANUFACTURER
	HS	350	A	PMP-350 START-STOP PUSHBUTTON	NIC; BY OTHERS	I		I-7						BY CONTROL PANEL MANUFACTURER
	LI	300		TNK-300 ZOP BULK LEVEL LEVEL INDICATOR	CONTRACTOR	I	GEMS SURESITE	I-7	174200		0-10'			
	LI	301		ZOP BULK LEVEL INDICATOR	CONTRACTOR	I	RED LION PAX	I-7	172100	24VDC	0- 100%		AI	IN LCP-300
	LIT	301		ZOP BULK TANK LEVEL	CONTRACTOR	I	ENDRESS + HAUSER – PROSONIC FMU40	I-7	174200	120VAC/ 24VDC	0-10'		AI	
1	LSH	300		INDICATING LIGHT	CONTRACTOR	I	ALLEN BRADLEY 800H SERIES	I-7	172100	120VAC				IN LCP-300
1	LSH	300		ZOP BULK LEVEL SWITCH	CONTRACTOR	I	GEMS 84320-P	I-7	174200	120VAC			DI	ORDER WITH LI300
	LSH	350		SUMP LEVEL SWITCH	CONTRACTOR	I	OMEGA LV-80	I-7	174200	24VDC			DI	

Revision	Equipment Identification	Number	Equipment Suffix	Service	Furnished by	Equip. Type M=Mech, E=Elec, V= Valve, I= Instrument	Equipment Description or Manufacturer / Model Number	P&ID Diagram	Spec. Section	Voltage	Range	Initial Setpoint	PLC I/O Type AI - Analog Input AO - Analog Output DI - Discrete Input DO - Discrete Output	Comments
1	LSHH	300		INDICATING LIGHT	CONTRACTOR	I	ALLEN BRADLEY 800H SERIES	I-7	172100	120VAC				IN LCP-300
	LSHH	300		ZOP BULK LEVEL SWITCH	CONTRACTOR	I	GEMS 84320-P	I-7	174200	120 VAC				ORDER WITH LI300
	LSHH	300SL		STROBE LIGHT & HORN	CONTRACTOR	I	FEDERAL SIGNAL AV1-LED SERIES	I-7		120VAC				IN LCP-300
	LSL	350		SUMP LEVEL SWITCH	CONTRACTOR	I	OMEGA LV-80	I-7	174200	24VDC			DI	
	PI	300		ZOP CHEM ROOM FILL LINE	CONTRACTOR	I	ASHCROFT	I-7	175100	24VDC	0-60 PSI			
	FS	400		ZOP DAY TANK SAFETY SHOWER	CONTRACTOR	I	FLUID COMPONENTS INTERNATIONAL, / FLT93B-AX00	I-8		24VDC			DI	"X" - INSERTION U-LENGTH TO BE DETERMINED BY CONTRACTOR
1	HS	416	A	HOA OPERATES PMP-416A	OWNER	I	PROMINENT	I-8		24VDC			DI	PART OF CHEM SKID PACKAGE: OFCI
1	HS	416	B	HOA OPERATES PMP-416B	OWNER	I	PROMINENT	I-8		24VDC			DI	PART OF CHEM SKID PACKAGE: OFCI
1	HS	420	A	HOA OPERATES PMP-420A	OWNER	I	PROMINENT	I-8		24VDC			DI	PART OF CHEM SKID PACKAGE: OFCI
1	HS	420	B	HOA OPERATES PMP-420B	OWNER	I	PROMINENT	I-8		24VDC			DI	PART OF CHEM SKID PACKAGE: OFCI

Revision	Equipment Identification	Number	Equipment Suffix	Service	Furnished by	Equip. Type M=Mech, E=Elec, V= Valve, I= Instrument	Equipment Description or Manufacturer / Model Number	P&ID Diagram	Spec. Section	Voltage	Range	Initial Setpoint	PLC I/O Type AI - Analog Input AO - Analog Output DI - Discrete Input DO - Discrete Output	Comments
	LI	400		ZOP DAY TANK LEVEL INDICATOR	CONTRACTOR	I	GEMS SURESITE	I-8	174200		0-7'			
	LIT	400		ZOP DAY TANK LEVEL	CONTRACTOR	I	ENDRESS + HAUSER – PROSONIC FMU40	I-8	174200	120VAC/24VDC	0-7'		AI	
1	LSH	400		ZOP DAY TANKLEVEL SWITCH	CONTRACTOR	I	GEMS 84320-P	I-8	174200	120VAC		6'-6"		ORDER WITH LI200
1	PI	416	A	ZOP PMP-416A OUTLET PRESSURE	OWNER	I	PROMINENT	I-8			0-160 PSI			PART OF CHEM SKID PACKAGE: OFCI
1	PI	416	B	ZOP PMP-416B OUTLET PRESSURE	OWNER	I	PROMINENT	I-8			0-160 PSI			PART OF CHEM SKID PACKAGE: OFCI
1	PI	418		ZOP PMP-416A & B SKID OUTLET PRESSURE	OWNER	I	PROMINENT	I-8			0-160 PSI			PART OF CHEM SKID PACKAGE: OFCI
1	PI	420	A	ZOP PMP-420A OUTLET PRESSURE	OWNER	I	PROMINENT	I-8			0-160 PSI			PART OF CHEM SKID PACKAGE: OFCI
1	PI	420	B	ZOP PMP-420B OUTLET PRESSURE	OWNER	I	PROMINENT	I-8			0-160 PSI			PART OF CHEM SKID PACKAGE: OFCI
1	PI	422		ZOP PMP-420A & B SKID OUTLET PRESSURE	OWNER	I	PROMINENT	I-8			0-160 PSI			PART OF CHEM SKID PACKAGE: OFCI
1	PSL	417	A	ZOP PMP-417A OUTLET PRESSURE SWITCH	OWNER	I	PROMINENT	I-8		24VDC		120 PSI	DI	PART OF CHEM SKID PACKAGE: OFCI

Revision	Equipment Identification	Number	Equipment Suffix	Service	Furnished by	Equip. Type M=Mech, E=Elec, V= Valve, I= Instrument	Equipment Description or Manufacturer / Model Number	P&ID Diagram	Spec. Section	Voltage	Range	Initial Setpoint	PLC I/O Type AI - Analog Input AO- Analog Output DI-Discrete Input DO-Discrete Output	Comments
1	PSL	417	B	ZOP PMP-417B OUTLET PRESSURE SWITCH	OWNER	I	PROMINENT	I-8		24VDC		120 PSI	DI	PART OF CHEM SKID PACKAGE: OFCI
1	PSL	421	A	ZOP PMP-420A OUTLET PRESSURE SWITCH	OWNER	I	PROMINENT	I-8		24VDC		120 PSI	DI	PART OF CHEM SKID PACKAGE: OFCI
1	PSL	421	B	ZOP PMP-420B OUTLET PRESSURE SWITCH	OWNER	I	PROMINENT	I-8		24VDC		120 PSI	DI	PART OF CHEM SKID PACKAGE: OFCI
	AE	650		FUTURE CHEM ROOM SUMP	NIC	I		I-9						FUTURE; NIC
1	FS	600		DAY TANK SAFETY SHOWER	CONTRACTOR	I	FLUID COMPONENTS INTERNATIONAL, / FLT93B-AX00	I-9		24 VDC			DI	
	HS	600		FUTURE LCP-600 NORMAL/TEST SELECTOR	NIC	I		I-9		m				FUTURE; NIC
	HS	601		FUTURE LCP-600 SILENCE PUSHBUTTON	NIC	I		I-9						FUTURE; NIC
1	HS	610	A	FUTURE STOP/START OPERATES PMP-610A	NIC	I	-	I-9						FUTURE; NIC
1	HS	610	B	FUTURE STOP/START OPERATES PMP-610B	NIC	I	-	I-9						FUTURE; NIC
	HS	650	A	FUTURE PMP-650 START-STOP PUSHBUTTON	NIC	I		I-9						FUTURE; NIC

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	LI	600		FUTURE BULK LEVEL INDICATOR	NIC	I		I-9						FUTURE; NIC
	LI	601		FUTURE BULK TANK LEVEL INDICATOR	NIC	I		I-9						FUTURE; NIC
	LSH	600		FUTURE BULK LEVEL SWITCH	NIC	I		I-9						FUTURE; NIC
	LSH	600		FUTURE LCP-600	NIC	I		I-9						FUTURE; NIC
	LSH	650		FUTURE SUMP LEVEL SWITCH	NIC	I		I-9						FUTURE; NIC
	LSHH	600		FUTURE BULK LEVEL SWITCH	NIC	I		I-9						FUTURE; NIC
	LSHH	600		FUTURE LCP-600	NIC	I		I-9						FUTURE; NIC
	LSL	650		FUTURE SUMP LEVEL SWITCH	NIC	I		I-9						FUTURE; NIC
	LT	601		FUTURE BULK TANK LEVEL	NIC	I		I-9						FUTURE; NIC
	PI	600		FUTURE CHEM ROOM FILL LINE	NIC	I		I-9						FUTURE; NIC



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1	FS	700		DAY TANK SAFETY SHOWER	CONTRACTOR	I		I-10						
	HS	716	A	HOA OPERATES PMP-716A	NIC	I		I-10						FUTURE; NIC
	HS	716	B	FUTURE HOA OPERATES PMP-716B	NIC	I		I-10						FUTURE; NIC
	HS	720	A	FUTURE HOA OPERATES PMP-720A	NIC	I		I-10						FUTURE; NIC
	HS	720	B	FUTURE HOA OPERATES PMP-720B	NIC	I		I-10						FUTURE; NIC
	LI	700		FUTURE DAY TANK LEVEL INDICATOR	NIC	I		I-10						FUTURE; NIC
	LIT	700		FUTURE DAY TANK LEVEL	NIC	I		I-10						FUTURE; NIC
1	LSH	700		FUTURE DAY LEVEL SWITCH	NIC	I		I-10						FUTURE; NIC
	PI	716	A	FUTURE PMP-716A OUTLET PRESSURE	NIC	I		I-10						FUTURE; NIC
	PI	716	B	FUTURE PMP-716B OUTLET PRESSURE	NIC	I		I-10						FUTURE; NIC

Revision	Equipment Identification	Number	Equipment Suffix	Service	Furnished by	Equip. Type M=Mech, E=Elec, V= Valve, I= Instrument	Equipment Description or Manufacturer / Model Number	P&ID Diagram	Spec. Section	Voltage	Range	Initial Setpoint	PLC I/O Type AI - Analog Input AO- Analog Output DI-Discrete Input DO-Discrete Output	Comments
	PI	718		FUTURE PMP-716A & B SKID OUTLET PRESSURE	NIC	I		I-10						FUTURE; NIC
	PI	720	A	FUTURE PMP-720A OUTLET PRESSURE	NIC	I		I-10						FUTURE; NIC
	PI	720	B	FUTURE PMP-720B OUTLET PRESSURE	NIC	I		I-10						FUTURE; NIC
	PI	722		FUTURE PMP-720A & B SKID OUTLET PRESSURE	NIC	I		I-10						FUTURE; NIC
	PSL	717	A	FUTURE PMP-717A OUTLET PRESSURE SWITCH	NIC	I		I-10						FUTURE; NIC
	PSL	717	B	FUTURE PMP-717B OUTLET PRESSURE SWITCH	NIC	I		I-10						FUTURE; NIC
	PSL	721	A	FUTURE PMP-720A OUTLET PRESSURE SWITCH	NIC	I		I-10						FUTURE; NIC
	PSL	721	B	FUTURE PMP-720B OUTLET PRESSURE SWITCH	NIC	I		I-10						FUTURE; NIC

## Exhibit D

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# CHLORINATION BUILDING

## MPWMD SANTA MARGARITA ASR FACILITY 1910 GENERAL JIM MOORE BLVD., SEASIDE, CA



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ABBREVIATIONS					LEGEND	SYMBOLS	PROJECT TEAM	PROJECT INFORMATION	SHEET INDEX
<p>&amp; @ CENTERLINE Ø DIAMETER OR ROUND ⊥ PERPENDICULAR # POUND OR NUMBER</p> <p>A.B. ANCHOR BOLT A.B.S. ACRYLONITRILE BUTADIENE ABV. ABOVE A.A. ASPHALTIC CONCRETE A.C. AIR CONDITIONING ACOUS. ACOUSTICAL ADJ. ADJUSTABLE A.F.F. ABOVE FINISH FLOOR AGGR. AGGREGATE ALUM. ALUMINUM ANOD. ANODIZED A.P.A. AMERICAN PLYWOOD ASS. ASSOCIATION APPROX. APPROXIMATE ARCH. ARCHITECTURAL A.S. ADJUSTABLE SHELF</p> <p>B.D. BOARD BIT. BITUMINOUS BLDG. BUILDING BLK. BLOCK B.M. BENCHMARK B.M. BENCH MARK BOT. BOTTOM BEAR. BEARING BTWN. BETWEEN B.U.R. BUILD-UP ROOFING B.W. BOTH WAYS</p> <p>CAB. CABINET C.B. CATCH BASIN C.B.C. CALIFORNIA BUILDING CODE CEM. CEMENT CER. CERAMIC CFCL. CONTRACTOR FURNISHED, CONTRACTOR INSTALLED C.F. CUBIC FEET C.I. CAST IRON C.J. CONTROL JOINT CL. CLOSET CLG. CEILING CLAG. CAULKING CLR. CLEAR(ANCE) C.M.U. CONCRETE MASONRY UNIT COL. COLUMN COMP. COMPOSITION CONC. CONCRETE CONN. CONNECTION CONSTR. CONSTRUCTION CONT. CONTINUOUS COR. CORNER C.O.T.G. CLEAN-OUT TO GRADE CSMT. CASEMENT CSWK. CASEWORK CTR. CERAMIC TILE C.T. COUNTER CTSK. COUNTERSINK C.Y. CUBIC YARD</p> <p>D.C. DOUBLE CONTAINMENT DEPT. DEPARTMENT DET. DETAIL DBL. DRINKING FOUNTAIN D.F. DOUGLAS FIR D.G. DECOMPOSED GRANITE D.H. DOUBLE HUNG DIAG. DIAGONAL DIA. DIAMETER DIMEN. DIMENSION DISP. DISPENSER/DISPOSER DN. DOWN DR. DOOR DRWG. DRAWING D.S.B. DBL. STRENGTH B GRADE (GLASS) D.S. DOWNSPOUT DWR. DRAWER D.W. DISH WASHER</p> <p>E. EAST EA. EACH E.J. EXPANSION JOINT ELEV. ELEVATION, ELEVATOR ELEC. ELECTRICAL EMER. EMERGENCY ENCL. ENCLOSURE EQUIP. EQUIPMENT N.I.C. W/ WITH EWC. ELECTRIC WATER COOLER (E) EXISTING EXP. EXPOSED/EXPANSION EXT. EXTERIOR</p> <p>F.A. FIRE ALARM FAST. FASTENER F.A. FLAT BAR F.C. FIRE EXTINGUISHER CABINET F.F. FINISH FLOOR F.G. FINISH GRADE FND. FOUNDATION F.E. FIRE EXTINGUISHER F.F. FIBERGLASS FIN. FINISHED F.H.M.S. FLATHEAD MECHANICAL F.H.W.S. FLATHEAD WOOD SCREW</p> <p>FLASH. FLASHING FLR. FLOORING FLUOR. FLUORESCENT F.O.B. FACE OF BLOCK F.O.C. FACE OF CONCRETE F.O.F. FACE OF FINISH F.O.M. FACE OF MASONRY F.O.S. FACE OF STUD</p> <p>FIREPLACE FIBERGLASS REINF. PANEL FULL SIZE FOOT/FEET FTG. FOOTING FURR. FURREDDING FUT. FUTURE</p> <p>GA. GAUGE/GAGE GALV. GALVANIZED GRAB BAR G.I. GALVANIZED IRON GL. GLASSGLAZES G.L.B. GLUE-LAM BEAM GR. GYPSUM WALLBOARD G.W.B.</p> <p>H.B. HOSE BIB HBD. HARDBOARD H.A. HOLLOW CORE HDR. HEADER HWR. HARDWARE H.M. HOLLOW METAL HORZ. HORIZONTAL H.S. HEAVY SHEET HT. HEIGHT HTG. HEATING H.W. HOT WATER HWD. HARDWOOD HVAC. HEATING/VENTILATING/AIR CONDITIONING</p> <p>I.C.D. INTERNATIONAL CODE ID. INSIDE DIAMETER INCL. INCLUDE(D) (ING) INSUL. INSULATE(D) (ING) INT. INTERIOR INV. INVERT</p> <p>JAN. JANITOR J.H. JOIST HANGER J.T. JOINT</p> <p>KIT. KITCHEN</p> <p>L. LENGTH LAM. LAMINATE LAV. LAVATORY LAG BOLT LOC. LOCATE(ION) L.V.L. LAMINATED VENEER LUMBER L.W. LIGHTWEIGHT</p> <p>MAS. MASONRY MAT. MATERIAL(S) MAX. MAXIMUM M.B. MACHINE BOLT M.C. MEDICINE CABINET M.H. MAN HOLE MECH. MECHANICAL MEMB. MEMBRANE MEZZ. MEZZANINE MFR. MANUFACTURE(ER) MIN. MINIMUM MIR. MIRROR MISC. MISCELLANEOUS MLDG. MOLDING/MOULDING M.I.W. MALLEABLE IRON WASHER M.O. MASONRY OPENING MTD. MOUNTED MET. METAL MULL. MULLION</p> <p>N. NORTH (N) NEW NAT. NATURAL N.I.C. NOT IN CONTRACT NOM. NOMINAL N.T.S. NOT TO SCALE</p> <p>O. OVER OBS. OBSCURE O.C. ON CENTER(S) O.D. OUTSIDE DIAMETER OFF. OFFICE OFCL. OWNER FURNISHED, CONTRACTOR INSTALLED OWNER INSTALLED</p> <p>O.H. OVER HANG O.H.M.S. OVALHEAD MACHINE SCREW O.H.W.S. OVALHEAD WOOD SCREW OPNG. OPENING OPP. OPPOSITE</p> <p>P.A.F. POWDER ACTUATED FASTENER PANIC BAR PART. TBD. PARTICLE BOARD PCF. POUNDS PER CUBIC FOOT P.D. POWDER DRIVEN P.G. PAINT GRADE PERF. PERFORATE PLF. POUNDS PER LINEAR FOOT PLAS. LAM. PLASTIC LAMINATE PLAS. PLASTER PLYWD. PLYWOOD PR. PAIR</p> <p>PSF. POUNDS PER SQUARE FOOT PSI. POUNDS PER SQUARE INCH P.T. PARTITION P.T. DISP. PAPER TOWEL DISPENSER P.V.C. POLYVINYL CHLORIDE</p> <p>R. RISER R.A. RETURN AIR R.D. ROOF DRAIN REG. REGISTER REF. REFRIGERATOR REINF. REINFORCED REQD. REQUIREMENT RESIL. RESILIENT REV. REVERSE R.H.M.S. ROUNDHEAD MACHINE SCREW R.O. ROUNDHEAD WOOD SCREW RM. ROOM R.O.W. ROUGH OPENING R.S. RIGHT OF WAY RESAW. RESAWN RUB. RUBBER RWD. REDWOOD R.W.L. RAIN WATER LEADER</p> <p>S. SOLID BLOCKING S.D. SOLID CORE S.C. SCHEDULE S.A. STORM DRAIN SECT. SECTION SERV. SERVICE S.F. SQUARE FOOT S.G. STAIN GRADE SH. SHELF/SHELVING SHWR. SHOWER SHT. SHEATHING SH. SHIM S.S. STAINLESS STEEL S.S.D. SEE STRUCTURAL DRAWINGS S.M. SHEET METAL S.M.S. SHEET METAL SCREW SPEC. SPECIFICATION SQ. SQUARE STL. STEEL STD. STANDARD STAG. STAGGERED STOR. STORAGE STRUCT. STRUCTURAL SUSP. SUSPENDED SYM. SYMMETRY(CAL) SYS. SYSTEM</p> <p>T. TREAD T.B. TOWEL BAR T.B.D. TO BE DETERMINED TOP OF CURB TEL. TELEPHONE TEMP. TEMPERED T.E.N. TYPICAL EDGE NAILING T &amp; G TONGUE &amp; GROOVE THK. THICKNESS THRESH. THRESHOLD T.J.I. TRUSS JOIST INTERNATIONAL TOP OF TOILET PAPER HOLDER T.O.P. TOP OF PAVEMENT T.Q. TELEVISION T.W. TOP OF WALL TYP. TYPICAL</p> <p>U/L. UNDERWRITER'S LABORATORY UN.O. UNLESS NOTED OTHERWISE U.O.N. UNLESS OTHERWISE NOTED UR. URINAL</p> <p>V.I.F. VERIFY IN FIELD</p> <p>W. WEST/WIDTHWIDE WITH W.C. WATER CLOSET W.D. WOOD WDW. WINDOW W.H. WATER HEATER WI. WOODWORK INSTITUTE WO. WITHOUT W.P. WATERPROOF(ING) W.R. WATER RESISTANT W.S. WOOD SCREW WSCT. WAINSCOT WT. WEIGHT W.W.M. WELDED WIRE MESH</p>					<p>EARTH</p> <p>ROCK</p> <p>SAND, MORTAR, PLASTER</p> <p>CONCRETE BLOCK</p> <p>CAST-IN-PLACE (C.I.P.) CONCRETE</p> <p>(E) STUD WALL</p> <p>(N) STUD WALL</p> <p>(E) STUD WALL TO BE REMOVED</p> <p>SOUND INSULATED STUD WALL</p> <p>METAL</p> <p>WOOD FINISH</p> <p>WOOD FRAMING CONTINUOUS MEMBER</p> <p>WOOD BLOCKING</p> <p>PLYWOOD</p> <p>GYPSUM WALLBOARD</p> <p>A.C. PAVING</p>	<p>DOOR SYMBOL</p> <p>WINDOW SYMBOL</p> <p>KEY TAG</p> <p>DEMOLITION TAG</p> <p>MATCH LINE</p> <p>WORK POINT, DATUM POINT OR CONTROL</p> <p>VERTICAL OR HORIZONTAL DIAPHRAGM KEY</p> <p>SECTION IDENTIFICATION SHEET WHERE SECTION IS DRAWN</p> <p>DETAIL IDENTIFICATION SHEET WHERE DETAIL IS DRAWN</p> <p>FINISH GRADE (SPOT) ELEVATION SURFACE</p> <p>EXISTING GRADE (SPOT) ELEVATION SURFACE</p> <p>PROPERTY LINE</p> <p>REVISION</p>	<p><b>OWNER</b></p> <p>MONTEREY PENINSULA WATER MANAGEMENT DISTRICT 5 Harris Court Monterey, CA 93940</p> <p><b>PROJECT ENGINEER</b></p> <p>PUEBLO WATER RESOURCES, INC. 4478 Market Street, Suite 705 Ventura, CA 93003 ph: (805) 620-2238 Email: stanner@pueblo-water.com Contact: Steve Tanner</p> <p><b>CIVIL / CHEM RM. MECH.</b></p> <p>MAC DESIGN ASSOCIATES 1933 Cliff Drive, Suite E Santa Barbara, CA 93109 ph: (805) 957-4748 Email: fhammad7@macdesignsb.com Contact: Fred Hammadi</p> <p><b>ARCHITECT</b></p> <p>WALD, RUHNKE &amp; DOST ARCHITECTS, LLP 2340 GARDEN ROAD, SUITE 100 MONTEREY, CA 93940 ph: (831) 649-4642 Email: louub@wrarch.com Contact: Lou Bartlett</p> <p><b>STRUCTURAL</b></p> <p>HOWARD CARTER AND ASSOCIATES, INC. 9600 BLUE LARKSPUR LN, STE. 202 MONTEREY, CA 93940 ph: (831) 373-3119 Email: hca93940@redsift.com Contact: Cesar Garcia</p> <p><b>MECHANICAL HVAC</b></p> <p>AG Mechanical Engineers, Inc. 629 State St., Suite 210 Santa Barbara, CA 93101 ph: (805) 966-8044 ext 201 Email: wayne@agmeinc.com Contact: Wayne Adams</p> <p><b>ELECTRICAL / P &amp; ID</b></p> <p>Kiyoi Engineering, Inc. 5266 Hollister Ave., #117 Santa Barbara, CA 93111 ph: (805) 681-0980 Emails: rkiyoi@kiyoieng.com ; wstone@kiyoieng.com Contact: Robet Kiyoi ; Wynn Stone</p>	<p><b>APPLICABLE BUILDING CODES &amp; STANDARDS</b></p> <p>2016 CALIFORNIA ADMINISTRATIVE CODE (CAC), PART 1, TITLE 24, CALIFORNIA CODE OF REGULATIONS (C.C.R.)</p> <p>2016 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R.</p> <p>2016 CALIFORNIA RESIDENTIAL CODE (CRC), PART 2.5, TITLE 24 C.C.R.</p> <p>2016 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R.</p> <p>2016 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 C.C.R.</p> <p>2016 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R.</p> <p>2016 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 C.C.R.</p> <p>2016 CALIFORNIA HISTORICAL BUILDING CODE (CHC), PART 8, TITLE 24 C.C.R.</p> <p>2016 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24 C.C.R.</p> <p>2016 CALIFORNIA EXISTING BUILDING CODE (CEBC), PART 10, TITLE 24 C.C.R.</p> <p>2016 CALIFORNIA GREEN STANDARDS CODE (CALGreen), PART 11, TITLE 24 C.C.R.</p> <p>2016 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24 C.C.R.</p> <p>TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS</p> <p><b>PARTIAL LIST OF APPLICABLE STATE STANDARDS</b></p> <p>NFPA 13, AUTOMATIC SPRINKLER SYSTEMS, (CA AMENDED) 2016 EDITION</p> <p>NFPA 72, NATIONAL FIRE ALARM AND SIGNALING CODE, (CA AMENDED) 2016 EDITION</p>	<p><b>SHT. #</b></p> <p><b>GENERAL (5)</b></p> <p>G1 COVER SHEET G2 CHEMICAL DOSING SUMMARY G3 SEASONAL FLOW PATTERN G4 PROCESS FLOW DIAGRAM G5 PROCESS FLOW DIAGRAM</p> <p><b>CIVIL (15)</b></p> <p>C1 GENERAL INFORMATION C2 SITE PLAN C3 FINAL GRADING PLAN C4 FINAL GRADING PLAN C5 CHEMICAL LOADING RACK DETAILS C6 SITE DETAILS C6A CAL TRANS STANDARD PLANS C7 UTILITY AND PIPING PLAN C8 UTILITY AND PIPING PLAN C9 16" AND 30" TRANSMISSION LINE MODIFICATIONS C10 PIPING DETAILS C11 PIPING DETAILS C12 PERIMETER FENCE PLAN AND DETAILS C13 ENERGY DISSIPATOR AND SUMP DETAILS C14 UTILITY WATER PIPING AND DETAILS C15 EROSION CONTROL</p> <p><b>CHEMICAL ROOM MECHANICAL (8)</b></p> <p>M1A CHEMICAL ROOM 101 (HYPOCHLOTITE) M1B CHEMICAL ROOM 102 (P04) M2A CHEMICAL ROOM 101 DETAILS M2B CHEMICAL ROOM 102 DETAILS M3 TYPICAL CHEMICAL ROOM GRATING PLAN M4 CHEMICAL ROOM PIPING DETAILS M5 CHEMICAL ROOM PIPING DETAILS M6 ANALYZER ROOM PIPING DETAILS</p> <p><b>ARCHITECTURAL (13)</b></p> <p>A101 PARTIAL SITE PLAN A111 SITE DETAILS A201 FLOOR PLAN A230 ROOF PLAN A301 SCHEDULES A401 EXTERIOR ELEVATIONS A411 CONCEPTUAL RENDERINGS A412 CONCEPTUAL RENDERINGS A701 BUILDING SECTION A702 BUILDING SECTION A801 DETAILS A802 DETAILS A803 DETAILS</p> <p><b>STRUCTURAL (5)</b></p> <p>S1.0 GENERAL NOTES AND TYPICAL DETAILS S2.0 FOUNDATION AND FRAMING PLAN S3.0 BUILDING SECTIONS AND CMU DETAILS S4.0 FOUNDATION AND FRAMING DETAILS S4.1 FOUNDATION AND FRAMING DETAILS</p> <p><b>MECHANICAL HVAC (4)</b></p> <p>HV1.0 MECHANICAL COVER SHEET HV1.1 MECHANICAL DETAILS HV2.0 MECHANICAL FLOOR PLAN HV2.1 MECHANICAL ROOF PLAN</p> <p><b>ELECTRICAL (12)</b></p> <p>E-1 SYMBOLS AND NOTES E-2 ONE LINE DIAGRAM E-3 MAIN FEEDER ELECTRICAL PLAN E-4 SOUTH SIDE ELECTRICAL PLAN E-5 NORTH &amp; EAST SIDE ELECTRICAL PLAN E-6 BUILDING ELECTRICAL PLAN E-7 ROOF ELECTRICAL PLAN E-8 GROUNDING, INDOOR LIGHTING &amp; INDOOR MECHANICAL ELECTRICAL PLAN E-9 DETAILS - 1 E-10 DETAILS - 2 E-11 CONTROL ELEMENTARY SCHEMATICS - 1 E-12 CONTROL ELEMENTARY SCHEMATICS - 1</p> <p><b>P &amp; ID (10)</b></p> <p>I-1 LEGEND AND SYMBOLS I-2 DISTRIBUTION PIPING &amp; INSTRUMENT DIAGRAM I-3 OUTSIDE PUMP &amp; COMPRESSED AIR PIPING &amp; INSTRUMENT DIAGRAM I-4 SODIUM HYPOCHLORITE CHEMICAL STORAGE &amp; TRANSFER PIPING &amp; INSTRUMENT DIAGRAM I-5 SODIUM HYPOCHLORITE CHEMICAL METERING SYSTEM PIPING &amp; INSTRUMENT DIAGRAM I-6 ANALYZERS PIPING &amp; INSTRUMENT DIAGRAM I-7 ZINC ORTHOPHOSPHATE CHEMICAL STORAGE &amp; TRANSFER PIPING &amp; INSTRUMENT DIAGRAM I-8 ZINC ORTHOPHOSPHATE CHEMICAL METERING SYSTEM PIPING &amp; INSTRUMENT DIAGRAM I-9 FUTURE CHEMICAL STORAGE AND TRANSFER PIPING AND INSTRUMENT DIAGRAM I-10 FUTURE CHEMICAL METERING SYSTEM PIPING &amp; INSTRUMENT DIAGRAM</p>
<p><b>LOCATION MAP</b></p>						<p>JOB NO.: 18014.2</p> <p>PRINT DATE: 9/10/2019</p> <p>PLOT DATE: 9/10/2019</p> <p>CHECKED BY: -</p> <p>SET ISSUED:</p> <p>80% DESIGN REVIEW 5/17/19</p> <p>100% DESIGN REVIEW 6/25/19</p> <p>ISSUED FOR BID 8/5/19</p> <p>BID ADDENDUM #3 9/10/19</p> <p>SHEET NAME:</p> <p><b>COVER SHEET</b></p> <p>SHEET NO.: G1</p> <p>FILE NAME: 18014.2 A001</p>			

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GENERAL NOTES

1. ALL STATIONING & DISTANCES INDICATED ON THE DRAWINGS ARE BASED ON HORIZONTAL MEASUREMENTS IN FEET.
2. THE CONTRACTOR SHALL NOTIFY THE MPWMD AND CALIFORNIA AMERICAN WATER REPRESENTATIVES AT LEAST 2 WORKING DAYS IN ADVANCE OF ANY WORK WHICH WILL REQUIRE THE INSPECTION SERVICES.
3. "OWNER" SHALL MEAN THE MONTEREY PENINSULA WATER MANAGEMENT DISTRICT (MPWMD), 5 HARRIS COURT BUILDING G, MONTEREY, CA. 94940. MPWMD SHALL REFER TO MPWMD OR MPWMD REPRESENTATIVE. "UTILITY" SHALL MEAN CALIFORNIA AMERICAN WATER COMPANY. "ENGINEER" IS THE MPWMD PROJECT ENGINEER, PUEBLO WATER RESOURCES.
4. AT LEAST 2 WORKING DAYS PRIOR TO ANY EXCAVATION WORK THE CONTRACTOR SHALL CALL UNDERGROUND SERVICE ALERT AT 1-800-642-2444 FOR LOCATING AND MARKING UNDERGROUND UTILITIES IN THE AREAS OF WORK.
5. THE EXISTING UTILITIES SHOWN AND INDICATED ON THE DRAWINGS ARE APPROXIMATE AND FOR GENERAL INFORMATION ONLY, AND ARE BASED ON AVAILABLE UTILITY INFORMATION PROVIDED BY THE UTILITY OWNER AND SELECTED FIELD LOCATING. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR VERIFICATION OF EXISTING UNDERGROUND UTILITIES, WHETHER INDICATED OR NOT ON THE DRAWINGS, PRIOR TO ANY CONSTRUCTION ACTIVITY. THE CONTRACTOR SHALL PROTECT ALL EXISTING OR NEWLY PLACED UTILITY STRUCTURES AND LINES FROM DAMAGE OR DISRUPTION OF SERVICE DURING CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE NECESSARY TEMPORARY UTILITY SERVICES AND SHALL RESTORE PERMANENT UTILITY SERVICES DISRUPTED BY CONSTRUCTION ACTIVITY.
6. THE CONTRACTOR SHALL EXPOSE ALL EXISTING UTILITY LINES AT LEAST ONE WORKING DAY AHEAD OF PIPE LAYING OPERATION TO VERIFY LOCATION AND DEPTH OF EXISTING UTILITIES. ANY CONFLICTS WILL BE RESOLVED BY THE MPWMD REPRESENTATIVE PRIOR TO PIPE INSTALLATION. IF ANY UNDERGROUND UTILITIES ARE DISCOVERED, THE CONTRACTOR SHALL SUBMIT ACCURATE STAMPED, SIGNED AND DATED DOCUMENTS DESCRIBING THE QUANTITY, SIZE, LOCATION, DEPTH, AND TYPE OF MATERIAL OF FOUND BURIED UTILITIES.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MONITORING FOR THE PRESENCE OF CONTAMINATED SOIL AND/OR GROUNDWATER DURING THE COURSE OF THE WORK. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE MPWMD REPRESENTATIVE IF ANY SUSPECT MATERIALS ARE ENCOUNTERED. CONTACT SHALL BE MADE IMMEDIATELY BY TELEPHONE, WITH WRITTEN NOTIFICATION WITHIN 3 WORKING DAYS.
8. ALL TRENCHING OPERATIONS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF TITLE 8 (CAL/OSHA).
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE ON OR OFF THE PROJECT SITE AS A RESULT OF CONSTRUCTION ACTIVITIES INCLUDING THE LACK OF DUST CONTROL AND TRAFFIC CONTROL.
10. UPON COMPLETION OF THE WORK, THE CONTRACTOR SHALL CERTIFY THAT ALL WORK WAS PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS, VARIATIONS SHALL BE DECLARED AND PRESENTED TO THE MPWMD IN WRITING UPON COMPLETION OF CONSTRUCTION, IN THE FORM OF MARKED UP PLANS SHOWING ALL CHANGES.
11. THE ENGINEER AND/OR THE MPWMD REPRESENTATIVE WILL NOT DIRECTLY CONTROL THE PHYSICAL ACTIVITIES OF THE CONTRACTOR OR ANY SUBCONTRACTORS. CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR WORKING CONDITIONS ON THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
12. THE CONTRACTOR SHALL VERIFY WORK IN FIELD AND SHALL SATISFY HIMSELF AS TO THE ACCURACY BETWEEN WORK SET FORTH ON THESE PLANS AND THE WORK REQUIRED IN THE FIELD. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE MPWMD REPRESENTATIVE PRIOR TO THE START OF CONSTRUCTION.
13. THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN TO THE PROJECT ENGINEER FOR APPROVAL AND SHALL COORDINATE ALL WORK TO ALLOW VEHICLE ACCESS TO RESIDENCES AND/OR BUSINESSES NEAR THE PROJECT AREA. EXCEPT WHEN A LANE CLOSURE IS IN EFFECT IN ACCORDANCE WITH THE CONTRACTOR'S APPROVED TRAFFIC CONTROL PLAN, NO VEHICLES, EQUIPMENT OR MACHINERY ARE ALLOWED TO PARK ON THE SHOULDER OF GENERAL JIM MOORE BOULEVARD AT ANY TIME.
14. ANY AREAS DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED TO ORIGINAL CONDITIONS AND HYDROSEEDDED SO AS TO RESTORE NATURAL GROWTH, THIS INCLUDES ALL CUT OR FILL SLOPES. HYDROSEED MUST BE NATIVE MIX IN ACCORDANCE WITH REQUIREMENTS ON THE FORMER FORT ORD. A LAYER OF CRETIFIED WEED FREE MULCH, WEED FREE RICE, STERILE BARLEY STRAW, OR OTHER SIMILAR FUNCTIONING PRODUCT SHALL BE INSTALLED FOR EROSION CONTROL. CLEARED DELETERIOUS MATERIAL MUST BE WOODCHIPPED AND USED ON THE SITE AS MULCH.
15. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TEMPORARY CONSTRUCTION WATER APPLICATION FOR WATER USE AND METERING FROM MARINA COAST WATER DISTRICT PHONE NUMBER IS (831) 384-6131.
16. CONSTRUCTION SHALL COMPLY WITH THE STANDARD PLANS AND STANDARD SPECIFICATIONS OF THE CALIFORNIA DEPARTMENT OF TRANSPORTATION, STATE OF CALIFORNIA LATEST EDITION, AND THE LATEST EDITION OF THE CITY OF SEASIDE STANDARD DETAILS AS NOTED ON THE CONSTRUCTION PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING COPIES OF SAID DOCUMENTS AND SHALL HAVE THEM AVAILABLE ON THE PROJECT SITE AT ALL TIMES DURING CONSTRUCTION.
17. WATER LINES, VALVES, AND WATER APPURTENANCES SHALL CONFORM TO THE LATEST STANDARD SPECIFICATIONS AND STANDARD PLANS OF THE CALIFORNIA AMERICAN WATER COMPANY.
18. ALL CONCRETE, REGARDLESS OF USE, SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI.
19. ALL EARTHWORK AND FOUNDATION CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS AND SPECIFICATIONS OF THE GEOTECHNICAL INVESTIGATION. CONTACT THE GEOTECHNICAL ENGINEER AT LEAST 48 HOURS PRIOR TO REQUESTING ON-SITE OBSERVATION OR TESTING SERVICES.
20. THE CONTRACTOR'S WORK SHALL CONFORM TO THE CITY OF SEASIDE'S ORDNANCE ORDINANCE REGARDING MUNITIONS & EXPLOSIVES OF CONCERN (MEC).
21. ELECTRICAL AND/OR COMMUNICATIONS CONDUITS SHALL BE NONMETALLIC SCHEDULE 40 P.V.C. PLASTIC RATED 90° C WITH GLUE ON P.V.C. COUPLINGS AND FACTORY MADE ELBOWS AND SWEEPS: CARLON "PLUS40".
22. CONTRACTOR SHALL ENSURE THAT SITE SECURITY IS MAINTAINED THROUGHOUT CONSTRUCTION, AT A LEVEL EQUAL TO OR GREATER THAN PRECONSTRUCTION SITE CONDITIONS. SITE SECURITY SHALL INCLUDE TEMPORARY FENCING, GATES, AND ANY OTHER MEANS NEEDED TO PREVENT UNAUTHORIZED ACCESS TO SITE AT ALL TIMES, WHETHER DURING ACTIVE CONSTRUCTION OR IDLE/NON-WORKING HOURS. CONTRACTOR'S RESPONSIBILITY FOR MAINTAINING EFFECTIVE SITE SECURITY SHALL COMMENCE ON THE DAY OF NOTICE TO PROCEED THROUGH NOTICE OF COMPLETION.

THE CONTRACTOR'S WORK SHALL CONFORM TO THE CITY OF SEASIDE'S ORDNANCE REGARDING MUNITIONS & EXPLOSIVES OF CONCERN (MEC), FORT ORD REUSE AUTHORITY RIGHT OF ENTRY, AND THE ASR ENVIRONMENTAL MITIGATION AND REPORTING PROGRAM

UNAUTHORIZED CHANGES & USES CAUTION:  
The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes to or uses of these plans. All changes to the plans must be in writing and must be approved by the preparer of these plans.

1	09-04-19	SPT	BID ADDENDUM #3	
	08-05-19		ISSUED FOR BID	
REV	DATE	BY	DESCRIPTION	

SCALE:  
HOR. N/A  
  
VER. N/A



IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

DESIGNED MAC  
  
DRAWN FH/TLA  
  
CHECKED SPT

MAC Design Associates

CIVIL ENGINEERING \* LAND PLANNING \* BRIDGE DESIGN  
1933 CLIFF DRIVE, SUITE 6, SANTA BARBARA, CALIF. 93109 (805) 957-4748



Page 42 of 56

Pueblo Water Resources

4478 Market St., Suite 705  
Ventura, CA 93003  
(805) 644-0470

GRADING AND PAVING NOTES

1. ALL WORK SHALL BE IN CONFORMANCE WITH THE FOLLOWING:  

(A) PROJECT PLANS AND SPECIFICATIONS  
(B) STANDARD SPECIFICATIONS AND STANDARD DETAILS, LATEST EDITION OF THE CITY OF SEASIDE.  
(C) APPLICABLE SECTIONS OF THE CALTRANS STANDARD SPECIFICATIONS, LATEST EDITION.  
(D) APPLICABLE SWPPP, NOI, AND NPDES REQUIREMENTS FOR THE PROJECT.  
(E) FORT ORD REUSE AUTHORITY RIGHT OF ENTRY, CITY OF SEASIDE DIGGING AND EXCAVATING ON THE FORMER FORT ORD PERMIT  
(F) AQUIFER STORAGE AND RECOVERY MITIGATION MONITORING PLAN
2. CONTRACTOR SHALL NOTIFY MPWMD, CAL-AM, & THE CITY OF SEASIDE AT LEAST TWO (2) WORKING DAYS BEFORE STARTING GRADING WORK.
3. WORK SHALL CONSIST OF ALL EARTHWORK RELATED TO THE SITE: ALL CLEARING, GRUBBING, STRIPPING, ROUGH GRADING, PREPARATION OF FOUNDATION AND MATERIALS FOR RECEIVING FILLS, EXCAVATION, IMPORT AND/OR EXPORT OF FILL, PROCESSING, PLACEMENT AND COMPACTION OF FILL MATERIALS, PLACEMENT OF SUBSURFACE DRAINS, PLACEMENT OF AGGREGATE BASE MATERIAL, ASPHALT CONCRETE (AC) AND/OR PORTLAND CEMENT CONCRETE (PCC) PAVING, AND ALL SUBSIDIARY WORK NECESSARY TO COMPLETE THE GRADING AND PAVING TO CONFORM TO THE LINES, GRADES AND SLOPES, AS SHOWN ON THESE PLANS.
4. SITE CONDITIONS: THE CONTRACTOR SHALL VISIT THE SITE, EXAMINE AND NOTE ALL CONDITIONS AS TO THE CHARACTER AND EXTENT OF WORK INVOLVED.
5. CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS OR CERTIFICATES AS REQUIRED BY THE CITY.
6. ALL EARTHWORK SHALL BE CONSTRUCTED PER THE GRADING SPECIFICATIONS IN THE GEOTECHNICAL REPORT. DUE TO NEIGHBOR CONCERNS, VIBRATORY COMPACTION EQUIPMENT MAY NOT BE USED ON THE SITE.
7. BACKFILL FOR UNDERGROUND UTILITIES PLACED ON THE SITE SHALL CONSIST OF CLEAN SAND MATERIAL (MINIMUM S.E. = 30) TO A MINIMUM OF 12 INCHES OVER THE CONDUIT, UNLESS SHOWN OTHERWISE ON THE PLAN. BACKFILL FOR UNDERGROUND UTILITIES PLACED IN EXISTING STREETS SHALL CONSIST OF CLEAN, SAND MATERIAL (MINIMUM S.E. = 30) AND MEETING THE REQUIREMENTS OF SECTION 19-3.06C(1) FOR THE FULL TRENCH DEPTH TO THE PAVEMENT SUBGRADE, UNLESS SHOWN OTHERWISE ON THE PLAN. A SAMPLE SHALL BE SUBMITTED FOUR (4) DAYS BEFORE INTENDED USE, FOR REVIEW BY THE ENGINEER. AS APPROVED BY THE ENGINEER SITE SAND MAY BE USED AS BACKFILL FOR UTILITIES. BACKFILL WITHIN THE UTILITY TRENCHES SHALL BE COMPACTED TO A MINIMUM RELATIVE COMPACTION OF 90% OR 95% DEPENDING UPON THE LOCATION AND BASED UPON THE ASTM TEST DESIGNATIONS D1557, D1556 AND D2992. THE ENGINEER WILL DETERMINE THE LOCATIONS WHERE 95% COMPACTION IS REQUIRED.
8. AT ALL TIMES DURING CONSTRUCTION AND UNTIL FINAL COMPLETION, THE CONTRACTOR'S SUBCONTRACTORS ARE OPERATING EQUIPMENT ON THE SITE, SHALL PREVENT THE FORMATION OF AN AIRBORNE DUST NUISANCE BY WATERING AND/OR TREATING THE SITE OF THE WORK IN SUCH A MANNER THAT WILL CONFINE DUST PARTICLES TO THE IMMEDIATE SURFACE OF THE WORK. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY DAMAGE DONE BY THE DUST FROM HIS OR HER SUBCONTRACTOR'S ACTIVITIES IN PERFORMING THE WORK UNDER THIS CONTRACT. THE PRICES FOR THE VARIOUS ITEMS OF WORK SHALL COVER THIS DUST CONTROL.
9. ALL AGGREGATE SUBBASE AND AGGREGATE BASE MATERIAL AND THE HANDLING AND PLACEMENT THEREOF, SHALL BE IN CONFORMANCE WITH CALTRANS STANDARD SPECIFICATIONS. AGGREGATE SUBBASE SHALL BE CLASS 1. AGGREGATE BASE SHALL BE CLASS 2. (RECLAIMED MATERIAL IS NOT APPROVED FOR USE IN THE CITY). COMPACT TO A MINIMUM OF 95% RELATIVE COMPACTION.
10. A PRIME COAT OF LIQUID ASPHALT, GRADE MC-70, CONFORMING TO CALTRANS STANDARD SPECIFICATIONS, MAY BE APPLIED AT THE APPROXIMATE TOTAL RATE OF 0.25+ GALLONS PER SQUARE YARD TO THE SURFACE OF AGGREGATE BASE PRIOR TO PLACEMENT OF ASPHALT CONCRETE, IF THERE IS TO BE DELAY IN PLACING THE ASPHALT CONCRETE PAVEMENT.
11. ASPHALT CONCRETE (AC) SHALL CONSIST OF A MIXTURE OF SAND, MINERAL AGGREGATE, AND LIQUID ASPHALT, DESIGNATED AS CALTRANS STANDARD SPECIFICATIONS, TYPE B, 1/2" MAXIMUM, MEDIUM GRADING. MIXED IN SUCH PROPORTIONS THAT THE PERCENTAGE BY WEIGHT WILL BE WITHIN:

SIEVE SIZES	OPERATING RANGE (% PASSING)
3/4"	100%
1/2"	95%
3/8"	80-95%
NO.4	59-66%
NO.8	43-49%
NO.30	22-27%
NO.200	3-8%

PLUS PAVING ASPHALT, VISCOSITY GRADE AR4000 AT 5 TO 6-1/2% OF THE COMBINED DRY AGGREGATES.
- ACTUAL MIX DESIGN SHALL BE SUBMITTED TO THE OWNER'S CIVIL ENGINEER FOR APPROVAL AT LEAST 10 WORKING DAYS PRIOR TO STARTING ANY PAVING WORK.
12. PAINT BINDER OF ASPHALT EMULSION, GRADE CRS-1, CONFORMING TO CALTRANS STANDARD SPECIFICATIONS, SHALL BE APPLIED TO EXISTING ASPHALT CONCRETE SURFACES AND VERTICAL CONCRETE SURFACES TO RECEIVE ASPHALT CONCRETE.
13. MATERIALS AND INSTALLATION OF PORTLAND CEMENT CONCRETE CURB, GUTTER AND SIDEWALK SHALL CONFORM TO THE APPLICABLE SECTIONS OF THE CALTRANS STANDARD SPECIFICATIONS AND THE CITY STANDARD SPECIFICATIONS AND DETAILS.
14. EXISTING A.C. SURFACE SHALL BE SAW CUT TO A NEAT STRAIGHT LINE PARALLEL WITH THE STREET CENTERLINE AND THE EXPOSED EDGE SHALL BE TACKED WITH EMULSION PRIOR TO PAVING. WHEN TRENCHING THROUGH CURB, GUTTER AND SIDEWALK. A SAW CUT WILL BE USED. WHERE EXISTING PAVEMENT IS TRENCHED, REPLACE WITH 4" THICK HMA-3/4" MEDIUM MIX OVER 12" THICK A.B. OR MATCH EXISTING SECTION, WHICHEVER IS GREATER. THE EXPOSED BASE MATERIAL SHALL BE GRADED, RECOMPACTED AND RESEALED PRIOR TO REPAVING. CONFORM SHALL BE MINIMUM WIDTH OF 2'. TRENCH SECTION AND PAVEMENT RESTORATION SHALL BE IN ACCORDANCE WITH CITY OF SEASIDE STANDARD S-601. STRIPING AND ROAD MARKERS THAT HAVE BEEN REMOVED SHALL BE REPLACED PER CITY STANDARDS.
15. ALL VALVE BOXES AND MANHOLES TO BE SET FLUSH WITH FINISHED GRADE, UNLESS OTHERWISE NOTED.
16. APPROVAL OF THE CITY ENGINEER OR HIS AUTHORIZED REPRESENTATIVE, IS REQUIRED ON COMPLETED WORK PRIOR TO (A) PLACING OF ANY CONCRETE, (B) PLACING OF AGGREGATE BASE, (C) PLACING OF ASPHALTIC CONCRETE, (D) BACK FILLING TRENCHES FOR PIPE. WORK DONE WITHOUT SUCH APPROVAL, SHALL BE AT THE CONTRACTOR'S RISK. SUCH APPROVAL SHALL NOT RELIEVE THE CONTRACTOR FROM THE RESPONSIBILITY OF PERFORMING THE WORK IN AN ACCEPTABLE MANNER. REVIEW MAY INCLUDE SURVEY OF SUBBASE, BASE, AND AC/PCC FINISHED GRADE TO VERIFY GRADES.
- GRADING TOLERANCES SHALL BE AS FOLLOWS:

AREA	TOLERANCE
CURB & GUTTER	0.01 FEET
PAVEMENT	0.02 FEET
BASE OR SUBBASE	0.05 FEET

17. PRIOR TO PERFORMING THE FINAL GRADING AND SUB-GRADE COMPACTION FOR THE PAVED AREAS, THE CONTRACTOR SHALL REVIEW THE PROPOSED GRADES WITH THE MPWMD'S ENGINEER AND COMPLY WITH HIS REQUESTS FOR ANY MINOR GRADE CHANGES.

18. NOT USED

19. PAVEMENT MARKERS SHALL CONFORM TO SECTION 85 OF THE CALTRANS STANDARD SPECIFICATIONS AND THE SUPPLEMENTARY CONDITIONS.

20. ALL GRADING WORK SHALL CONFORM TO APPROVED SPECIFICATIONS PRESENTED HEREON OR ATTACHED HERETO IN THE SPECIAL PROVISIONS. ALL GRADING WORK SHALL BE OBSERVED AND APPROVED BY THE GEOTECHNICAL ENGINEER. THE GEOTECHNICAL ENGINEER SHALL BE NOTIFIED AT LEAST TWO (2) WORKING DAYS BEFORE BEGINNING ANY GRADING. UNOBSERVED AND UNAPPROVED GRADING WORK SHALL BE REMOVED AND REPLACED UNDER OBSERVATION.

21. QUALITY ASSURANCE: FIELD OBSERVATION AND TESTING OF THE EARTHWORK CONSTRUCTION SHALL BE COORDINATED BY THE OWNER'S CIVIL ENGINEER. EARTHWORK THAT IN THE OPINION OF THE ENGINEER, DOES NOT CONFORM TO THE PLANS, SHALL BE REMOVED AND REPLACED OR REWORKED UNTIL, IN THE OPINION OF THE ENGINEER, SATISFACTORY EARTHWORK CONSTRUCTION HAS BEEN OBTAINED. REWORKING, OR REMOVAL AND REPLACEMENT OF EARTHWORK CONSTRUCTION AS DISCUSSED IN THIS PARAGRAPH SHALL BE AT THE SOLE EXPENSE OF THE CONTRACTOR.

22. CAPE SEAL SHALL BE INSTALLED PER CAL TRANS SPECIFICATIONS FOR "DOUBLE SEAL COAT" PER SECTION 37-1.
- GENERAL WATER FACILITIES NOTES
1. CONTRACTOR REPRESENTATIVE. CONTRACTOR SHALL ASSIGN AND PROVIDE UTILITY WITH THE NAME AND CONTACT INFORMATION OF A REPRESENTATIVE (JOB FOREMAN) AT THE JOB SITE WHERE THE WORK WILL BE PERFORMED ON UTILITY FACILITIES. CONTRACTOR'S REPRESENTATIVE IS REQUIRED TO ATTEND ANY PRE-CONSTRUCTION WALK-THROUGH MEETINGS. CONTRACTOR REPRESENTATIVE IS REQUIRED TO BE ON THE JOBSITE DURING ALL PHASES OF WORK, INCLUDING INSPECTIONS, AND CONTRACTOR SHALL NOT REPLACE THE REPRESENTATIVE WITHOUT PRIOR APPROVAL FROM MPWMD.

2. IDENTIFICATION OF BURIED UTILITIES. BEFORE ANY WORK ON UNDERGROUND FACILITIES, CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT (USA) OR IDENTIFYING ANY BURIED UTILITIES NEAR THE WORK AREA. USA (PHONE 1-800-642-2444) MUST BE GIVEN A 48 HOUR ADVANCE NOTICE. MPWMD IS ONLY RESPONSIBLE FOR MARKING THOSE WATER FACILITIES OWNED BY MPWMD AND SHALL NOT BE RESPONSIBLE FOR MARKING NEW FACILITIES UNTIL MPWMD ACCEPTS OWNERSHIP. ANY CALLS TO THE MPWMD REGARDING SUCH FACILITIES WILL BE FORWARDED TO THE CONTRACTOR. ANY DAMAGES TO WATER FACILITIES TO BE OWNED BY MPWMD MUST BE REPORTED TO MPWMD IMMEDIATELY AND MPWMD MUST BE ALLOWED TO INSPECT THE APPROVED REPAIRS OR REPLACEMENTS.

3. INSPECTION NOTICES. WHEN APPLICABLE, CONTRACTOR SHALL GIVE UTILITY AND CITY OF SEASIDE INSPECTORS 48 HOURS NOTICE (MINIMUM) BEFORE SCHEDULING ANY MEETING OR STARTING CONSTRUCTION, AND 24 HOURS NOTICE (MINIMUM) FOR INSPECTION.

4. VERIFICATION OF DATA AND INFORMATION PROVIDED BY UTILITY. NOTICE IS HEREBY GIVEN TO THE CONTRACTOR THAT MPWMD HAS MADE ALL REASONABLE EFFORTS TO IDENTIFY THE TYPES, LOCATIONS, SIZES AND DEPTHS OF EXISTING OR PLANNED UNDERGROUND OR ABOVEGROUND UTILITIES, STRUCTURES, ROADS, PIPELINES, HARD ROCK, STRATA, TOPOGRAPHY, ETC. SUCH ITEMS, WHEN DEPICTED ON THE PLANS, HAVE BEEN OBTAINED FROM SOURCES OF VARYING RELIABILITY. THEREFORE, MPWMD AND ASSOCIATED COMPANIES CANNOT ASSUME RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF SAID INFORMATION. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL EXISTING FACILITIES BY POT-HOLING ALL PROXIMATE WATER LINES TO CONFIRM SIZE, DEPTH AND MATERIAL TYPE OF EXISTING FACILITIES. IN CASE OF CONFLICT/S, CONTRACTOR SHALL BRING THE MATTER TO THE ATTENTION OF UTILITY FOR RESOLUTION BEFORE CONTINUING WORK.

5. SURVEYING AND LOCATING. CONTRACTOR IS RESPONSIBLE FOR ALL REQUIRED SURVEYING AND STAKING, SHOWING THE LOCATION AND GRADES FOR WORK ON THE WATER SYSTEM. CONTRACTOR IS RESPONSIBLE FOR PROTECTING AND MAINTAINING ALL SURVEY MONUMENTS AND STAKING WHETHER EXISTING OR DISCOVERED DURING CONSTRUCTION.

6. JOBSITE SAFETY. CONTRACTOR IS SOLELY RESPONSIBLE FOR ANY CURRENTLY APPLICABLE SAFETY LAW OF ANY JURISDICTIONAL AGENCY. CONTRACTOR IS ALSO RESPONSIBLE FOR PROJECT SITE SAFETY AND FOR PUBLIC SAFETY INCLUDING TRAFFIC CONTROL, 24-HOURS PER DAY FOR ALL DAYS FROM THE NOTICE TO PROCEED THROUGH THE NOTICE OF COMPLETION.

7. PIPE AND FITTINGS. PIPING 12-INCH DIAMETER AND SMALLER SHALL BE AWWA C-900 CLASS 150 OR 200 PVC, UNLESS OTHERWISE NOTED (CLASS 200 PIPE IS REQUIRED WHEN WATER MAIN IS NEAR SEWERS). ALL FITTINGS SHALL BE DUCTILE IRON WITH CEMENT LINED INSIDE AND BITUMINOUS COATED OUTSIDE, WHICH SHALL BE PAINTED WITH POLYGUARD #14 MASTIC. CONTRACTOR SHALL PROVIDE PIPE AND FITTING MATERIALS SUBMITTAL TO MPWMD FOR APPROVAL BEFORE BEGINNING WORK.

8. FLANGED FITTINGS. ALL FLANGED FITTINGS SHALL BE BOLTED TOGETHER WITH ZINC COATED STEEL NUTS AND BOLTS, GRADE 5 OR BETTER.

9. MECHANICAL JOINTS. USE EBAA MECHANICAL JOINT MEGA-LUGS ON ALL MECHANICAL JOINT FITTINGS.

10. CONCRETE THRUST BLOCKS. THRUST BLOCKS SHALL BE INSTALLED WHERE PIPE DEFLECTIONS EXCEED 4 DEGREES PER COUPLING/FITTINGS, AS SPECIFIED BY PIPE MANUFACTURER. USE EBAA MECHANICAL JOINT MEGA-LUGS ON ALL MECHANICAL JOINT FITTINGS. USE EBAA SERIES 1800 PIPE RESTRAINTS IN LIEU OF CONC. THRUST BLOCKS. UTILITY ENGINEER TO ADVISE CONTRACTOR OF REQUIRED LENGTH OF PIPE TO BE RESTRAINED. CONCRETE THRUST BLOCKS TO BE USED IF RESTRAINTS CANNOT BE UTILIZED.

11. RETURNING PROPERTY TO ORIGINAL CONDITION. CONTRACTOR SHALL PHOTOGRAPH OR VIDEOTAPE JOB SITE AREA TO DOCUMENT EXISTING CONDITIONS BEFORE BEGINNING WORK TO MINIMIZE UNDUE CLAIMS. CONTRACTOR IS RESPONSIBLE TO RETURN ALL PROPERTY TO ORIGINAL OR BETTER CONDITION, INCLUDING TRAFFIC MARKINGS. ALL CLAIMS SHALL BE BORNE AND RESOLVED BY CONTRACTOR OR MPWMD SHALL ADDRESS SAID CLAIM AND MAY DEDUCT ANY COSTS FRO FINAL PAYMENT/RETENTION. A COPY OF THE CLAIM DOCUMENTS SHALL BE SUBMITTED TO MPWMD WITHIN 48 HOURS AFTER RECEIVING ANY SUCH CLAIMS.

12. ALL COMPONENTS AND MATERIALS IN DIRECT CONTACT WITH POTABLE WATER AND/OR TREATMENT CHEMICALS SHALL HAVE NSF 61 CERTIFICATION FOR POTABLE WATER SERVICE. THIS REQUIREMENT SHALL NOT APPLY TO ITEMS NOT COVERED UNDER NSF 61 GUIDELINES
- LEGEND
- |     |      |                         |      |                       |
|-----|------|-------------------------|------|-----------------------|
| --- | 16"W | EXIST. WATER LINE       | BLDG | BUILDING              |
| □   | EV   | EXIST. ELECT. VAULT     | C.L. | CENTERLINE            |
| ○   |      | EXIST. WATER VALVE      | CONT | CONTINUOUS            |
| ○   |      | EXIST. FENCE LINE       | CTR  | CENTER                |
| —○— |      | PROPERTY LINE           | CMP  | CORRIGATED METAL PIPE |
| —X— |      | PROPOSED FENCE          | CMU  | CEMENT MORTOR UNIT    |
| —X— |      | PROPOSED RETAINING WALL | DIA. | DIAMETER              |
|     |      |                         | DET  | DETAIL                |
|     |      |                         | ELEV | ELEVATION             |
|     |      |                         | FLG  | FLANGE                |
|     |      |                         | STL  | STEEL                 |
|     |      |                         | SHT  | SHEET                 |
|     |      |                         | TF   | TOP OF FOOTING        |
|     |      |                         | TW   | TOP OF WALL           |
|     |      |                         | TYP  | TYPICAL               |
|     |      |                         | W    | WATER                 |
- 
- DATE SIGNED \_\_\_\_\_
- GENERAL INFORMATION  
MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
- SANTA MARGARITA ASR FACILITY SITE EXPANSION  
1910 GENERAL JIM MOORE BOULEVARD
- PROJECT NO.  
W.O. 0451
- C1



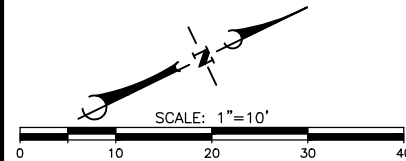
# GENERAL JIM MOORE BLVD.

## CONSTRUCTION NOTES

1. CONSTRUCT C.M.U. COLUMN PER DETAIL 3 ON SHEET C6.
2. CONSTRUCT CROSS GUTTER PER CITY OF SEASIDE PUBLIC WORKS DEPT. DRAWING FILE NO. S-106.
3. CONSTRUCT CASE CM CURB RAMP PER CALTRANS STANDARD PLAN RSP A88B, PLAN APPROVAL DATE JULY 21, 2017 ON SHEET C6A.
4. CONSTRUCT A2-6 CURB PER STD PLAN 120-2 OF STD PLAN FOR PUBLIC WORKS CONSTRUCTION.
5. CONSTRUCT SIDEWALK PER CITY OF SEASIDE PUBLIC WORKS DEPT. DRAWING NO. S-101.
6. CONSTRUCT ASPHALT CONCRETE PAVEMENT AND AGGREGATE BASE. SEE GRADING AND PAVING NOTE 14 SHEET C1 FOR THICKNESS OF ASPHALT CONCRETE AND AGGREGATE BASE.
7. CONSTRUCT P.C. CONCRETE GUTTER PER DETAIL 4 SHEET C6.
8. CONSTRUCT 12" PRO SERIES CHANNEL DRAIN WITH 12" CAST IRON CHANNEL GRATE AS MANUFACTURED BY NDS OR APPROVED EQUAL.
9. CONSTRUCT TRUNCATED DOMES, SURFACE APPLIED (WIDTH=3', COLOR TO MATCH EXISTING).
10. CONSTRUCT CHEMICAL TRUCK OFF LOADING RACK PER DETAILS ON SHEET C5.
11. SAWCUT LINE.
12. 5' TRANSITION CURB FACE FROM 6" TO 8" CURB FACE.
13. CONSTRUCT OVERLAND EXCAPE PER DETAIL 1 SHEET C6 OMIT CURB FACE FOR OVERLAND DRAINAGE.
14. CONSTRUCT ACCESS RAMP PER DETAIL 2 ON SHEET C6.
15. SEE ARCHITECTS PLAN FOR BUILDING, WALKS, AND ROLLING GATE FOUNDATION AND GATE CONTROL DETAILS.
16. CONSTRUCT A.C. PAVEMENT SPEEDBUMP 3' WIDE 4" HIGH.
17. CONSTRUCT RETAINING WALL PER DETAIL 5 SHEET C6.
18. CONSTRUCT LIGHT FOUNDATION PER DETAIL 7 ON SHEET C6. SEE SHT. E-4 FOR LIGHT AND POLE DATA. INSTALL ANCHOR BOLTS PER POLE MANUFACTURER'S SPECIFICATIONS. FACE OF POLE TO BE SET 3' FROM FACE OF CURB.

**DANGER!**  
HIGH VOLTAGE 21KV  
PG&E ELECTRICAL LINE

CONSTRUCT AGGREGATE BASE  
ROADWAY TO TRANSITION FROM  
ASPHALT PAVEMENT GRADE TO  
EXISTING AGGREGATE ROAD.



UNAUTHORIZED CHANGES & USES CAUTION:  
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REV	DATE	BY	DESCRIPTION
09-10-19	MAC	BIB ADDENDUM #3	
08-05-19		ISSUED FOR BIB	

SCALE:  
HOR. 1"=10'  
VER. 1"=N/A

**WARNING**  
0 1/2 1  
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

DESIGNED MAC  
DRAWN TLA/FH  
CHECKED SPT

**MAC Design Associates**  
CIVIL ENGINEERING \* LAND PLANNING \* BRIDGE DESIGN  
1933 CLIFF DRIVE, SUITE 6, SANTA BARBARA, CALIF. 93109 (805) 957-4748

**PUEBLO**  
water resources  
Page 43 of 56

**Pueblo Water Resources**  
4478 Market St., Suite 705  
Ventura, CA 93003  
(805) 644-0470

**FINAL GRADING PLAN**  
**MONTEREY PENINSULA WATER MANAGEMENT DISTRICT**  
SANTA MARGARITA ASR FACILITY SITE EXPANSION  
1910 GENERAL JIM MOORE BOULEVARD

PROJECT NO.  
W.O. 0451

**C3**



DATE SIGNED \_\_\_\_\_

MATCH LINE - SEE SHEET C4









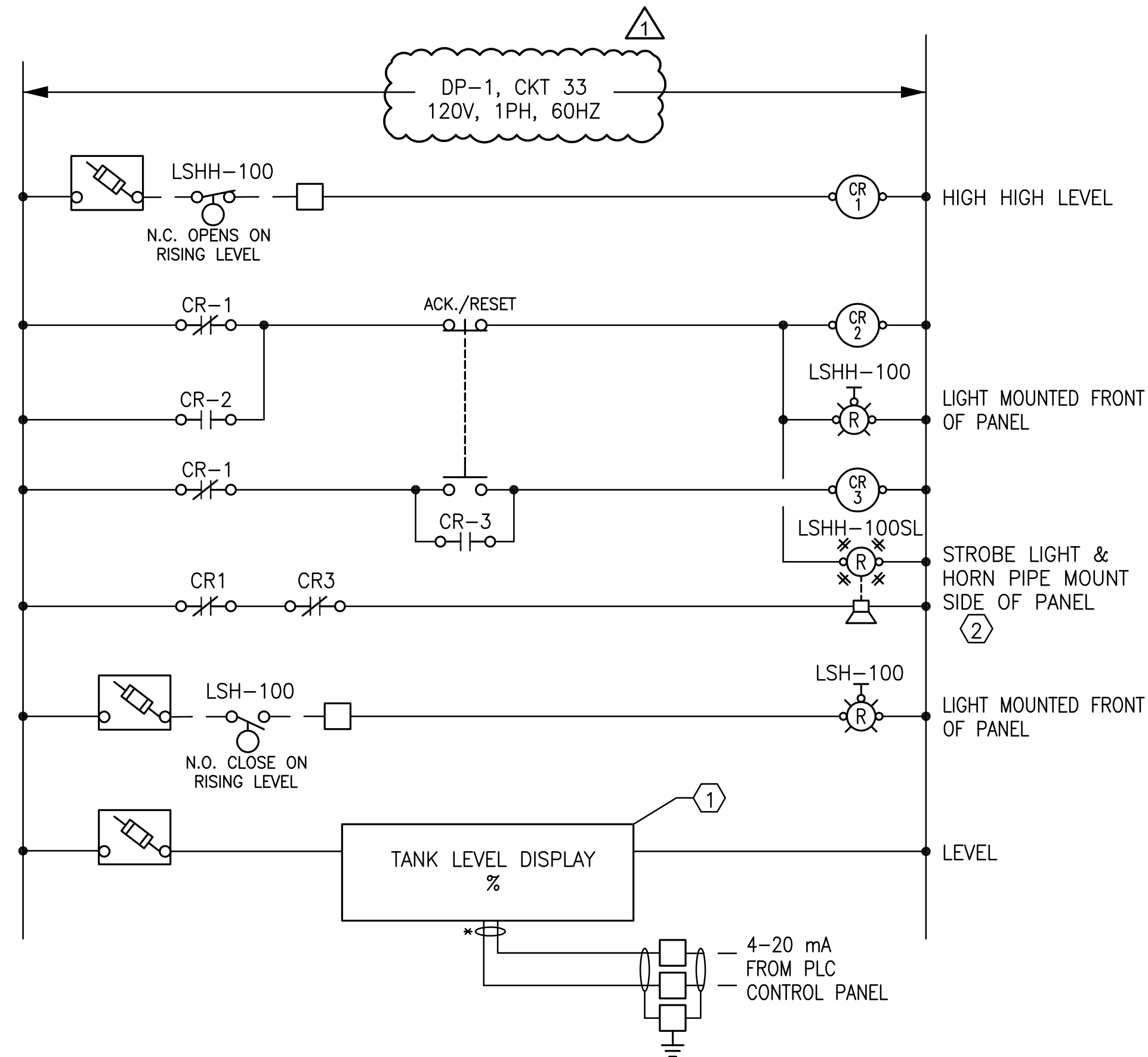


MATERIAL LIST

- ① LEVEL INDICATOR, PANEL MOUNT, % FILL, RED LION OR APPROVED SUBSTITUTE
- ② STROBE/HORN, FEDERAL AV1-LED OR APPROVED SUBSTITUTE

NOTES:

1. CONTRACTOR SHALL PROVIDE NEMA 4X STAINLESS STEEL, PADLOCKABLE ENCLOSURE SIZED TO FIT WALL LOCATION, TERMINALS, RELAYS, SWITCHES, LIGHTS AND LEVEL INDICATORS AS SHOWN BELOW WITH LABELS AND NAMEPLATES.
2. PROVIDE WHITE NAMEPLATE WITH BLACK 1/4" TEXT  
'OPERATOR TO ENGAGE AIR COMPRESSOR VALVE PRIOR TO FILL'  
'SWITCH LOCATED AT PLC CONTROL PANEL'

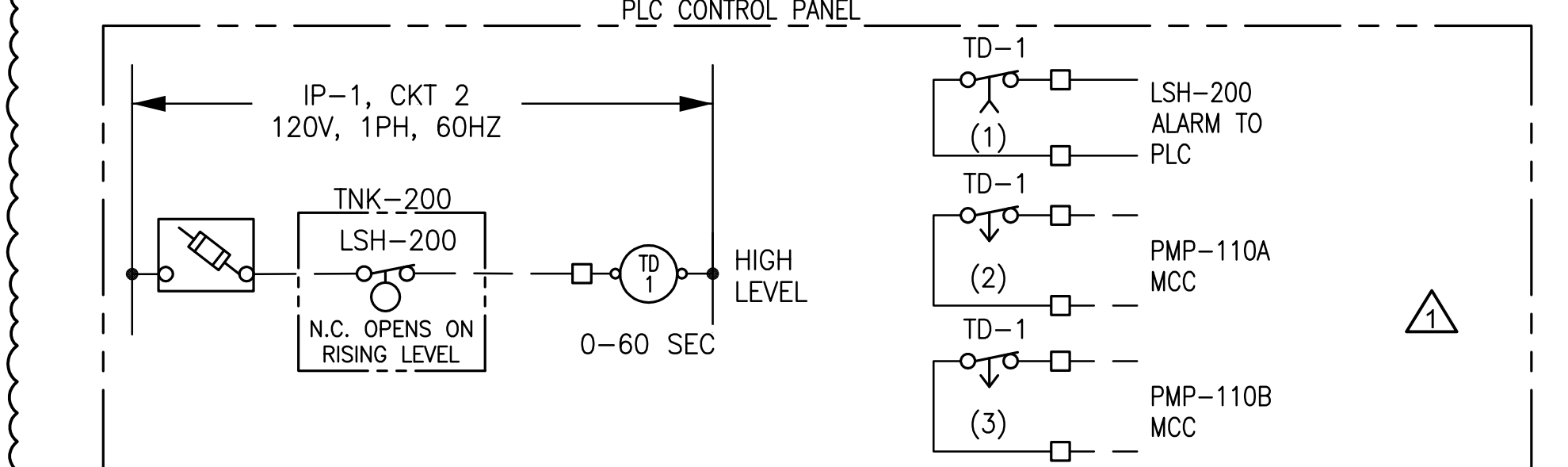
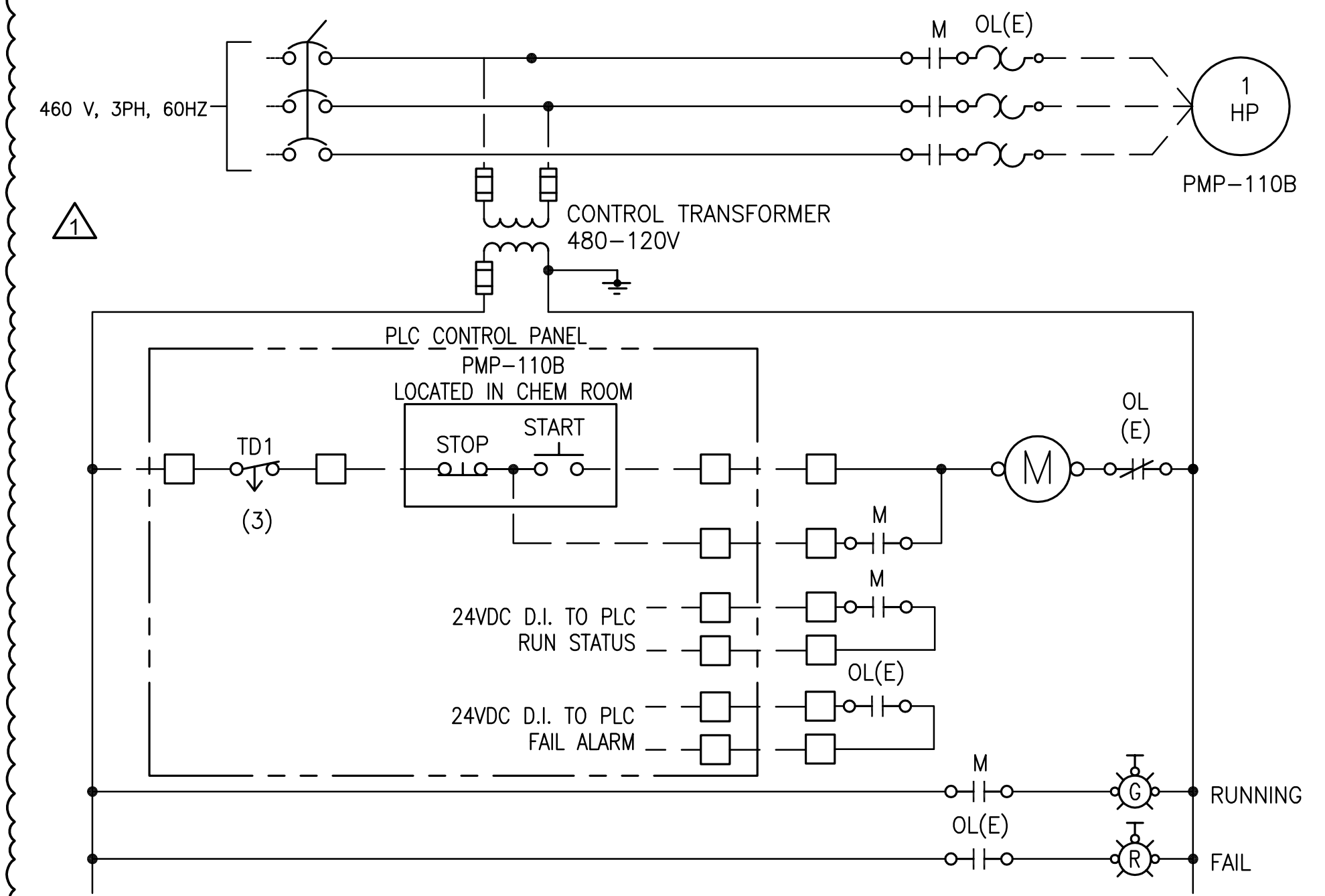
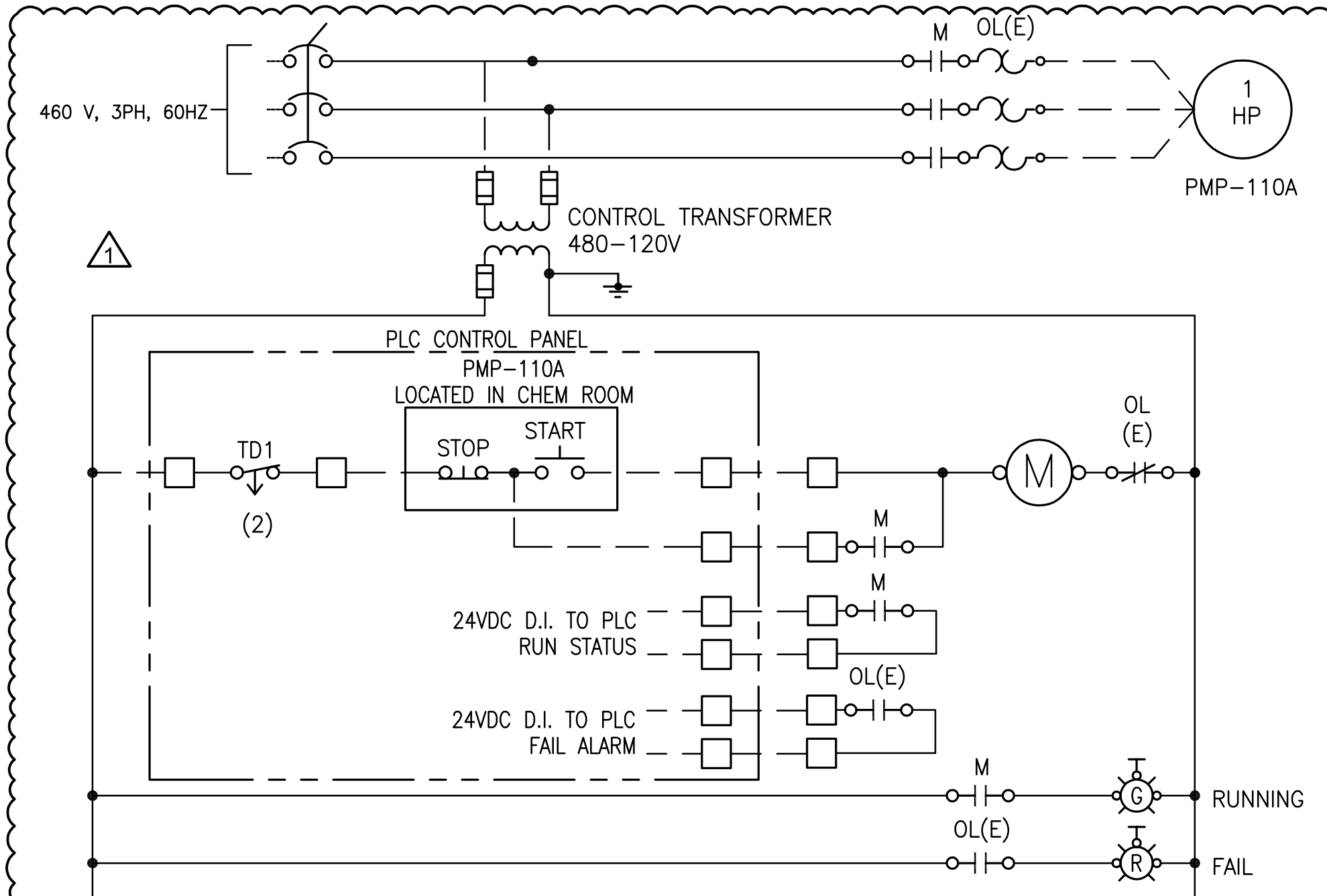


□ FIELD STATION FIELD WIRING TERMINAL

LCP-100 NAOCL<sub>2</sub> FILL STATION PANEL

LCP-300 & LCP-600 FUTURE SIMILAR

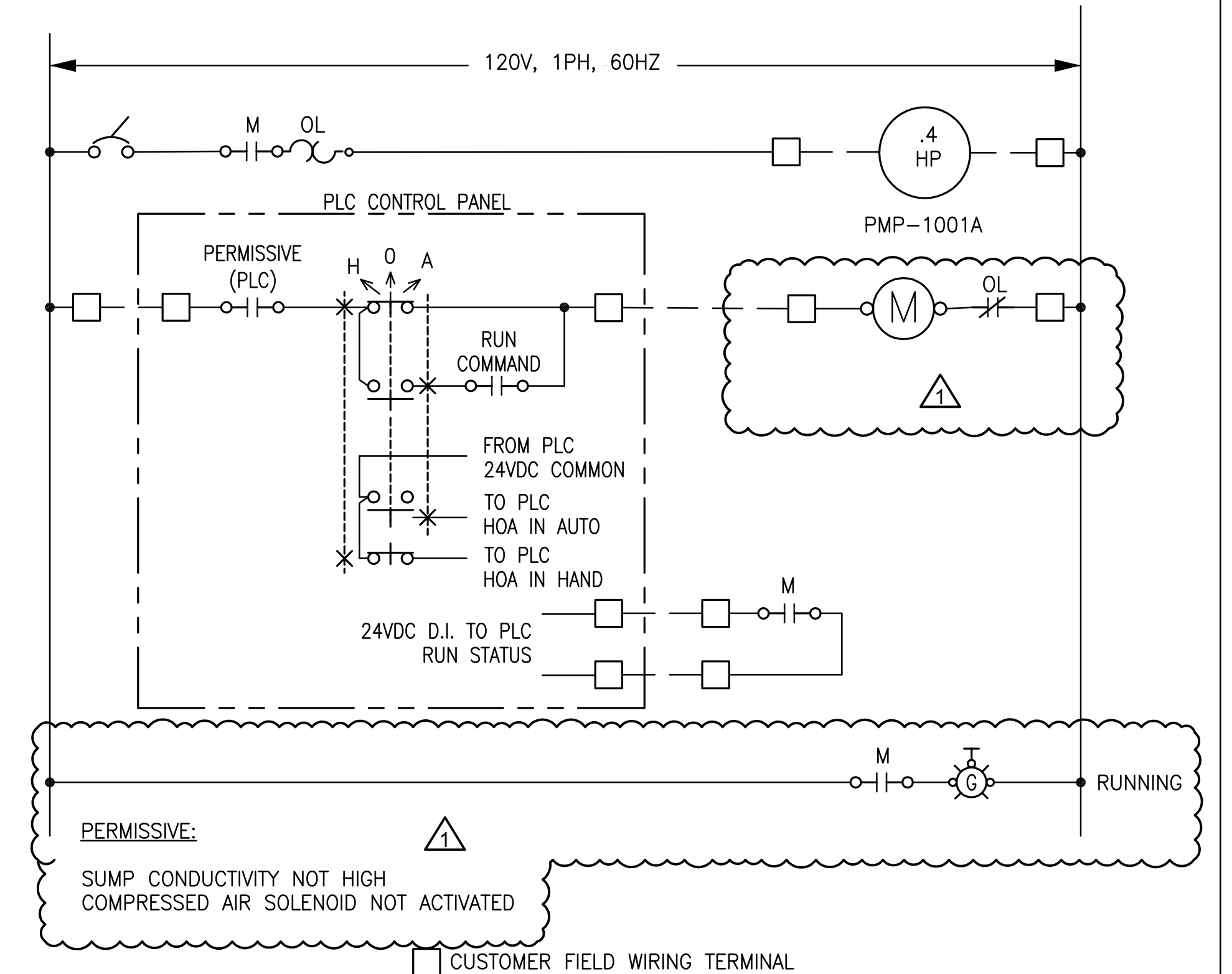
NOTE: SIZE FUSES PER MANUFACTURER'S RECOMMENDATIONS



PMP-110A & B CHEMICAL TRANSFER PUMP ELEMENTARY SCHEMATIC

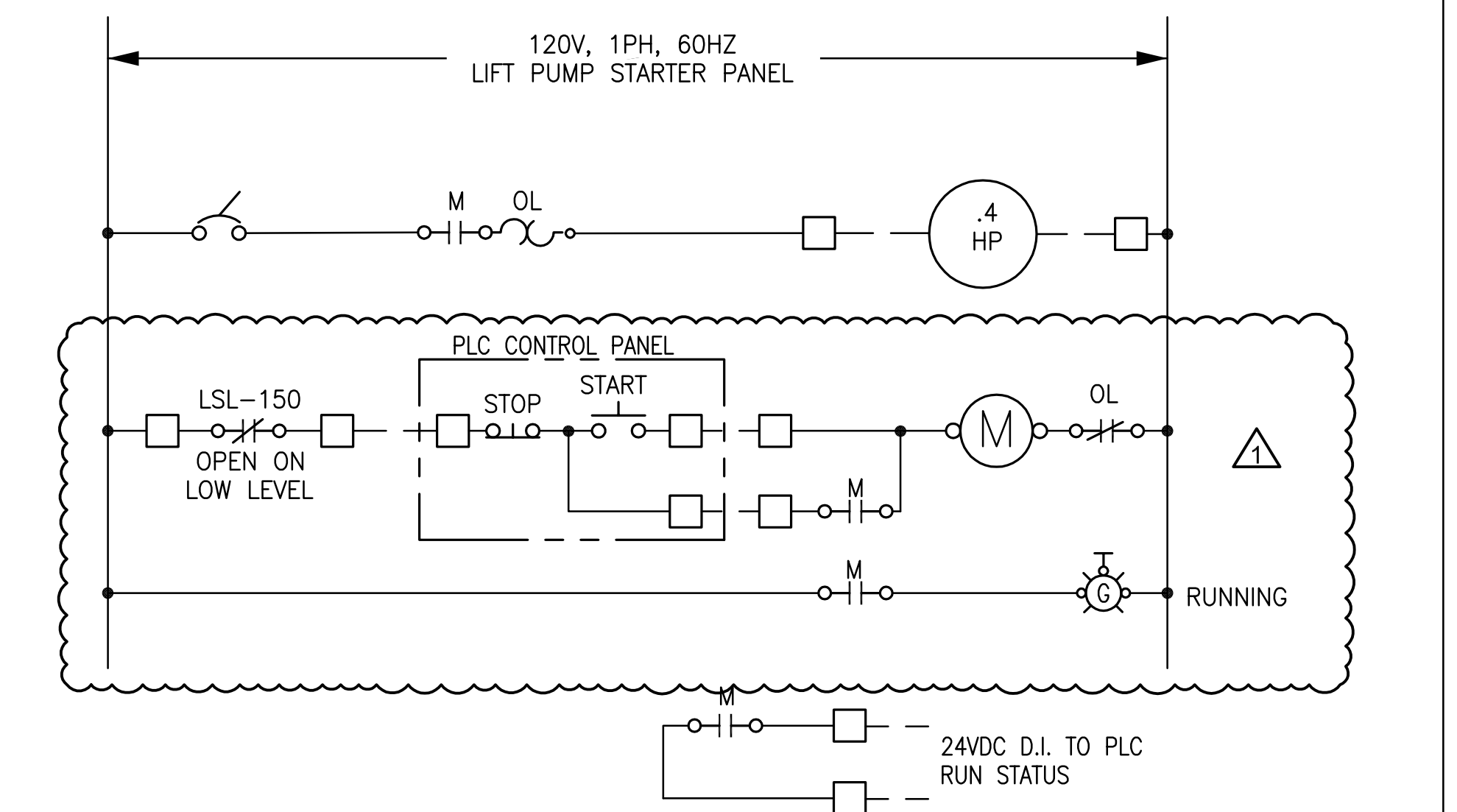
□ CUSTOMER FIELD WIRING TERMINAL

P-310A & B, P-710A & B (FUTURE) SIMILAR



PMP-1000A TRUCK UNLOADING SUMP LIFT PUMP ELEMENTARY SCHEMATIC

PMP-1000B SIMILAR  
PUMPS ALTERNATE IN AUTO MODE



PMP-150 SUMP LIFT PUMP ELEMENTARY SCHEMATIC




PMP-350 & PMP-650 (FUTURE) SIMILAR

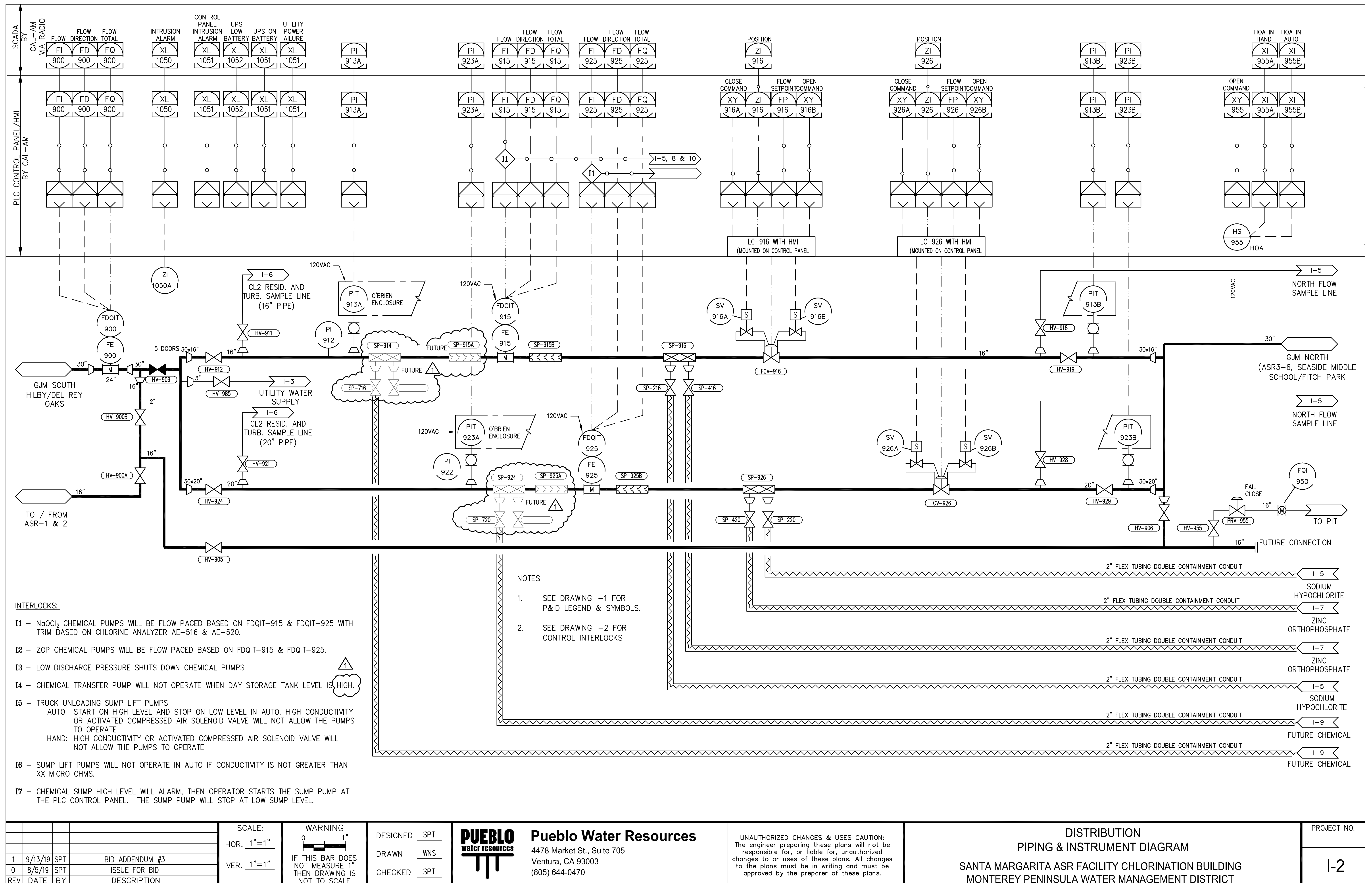
1	9/13/19	SPT	BID ADDENDUM #3	SCALE: HOR. 1"=1"	WARNING IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE	DESIGNED RLK	UNAUTHORIZED CHANGES & USES CAUTION: The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes to or uses of these plans. All changes to the plans must be in writing and must be approved by the preparer of these plans.	KIYOI ENGINEERING INC. KIYOI ENGINEERING INC. 4141 State Street, Suite E10 Santa Barbara, CA 93110 Phone: (805) 681-0980	PUEBLO water resources Pueblo Water Resources 4478 Market St., Suite 705 Ventura, CA 93003 (805) 644-0470	CONTROL ELEMENTARY SCHEMATICS-1 SANTA MARGARITA ASR FACILITY CHLORINATION BUILDING MONTEREY PENINSULA WATER MANAGEMENT DISTRICT	PROJECT NO. E-11
0	8/5/19	SPT	ISSUE FOR BID	VER. 1"=1"		DRAWN WS					
REV	DATE	BY	DESCRIPTION			CHECKED RLK					



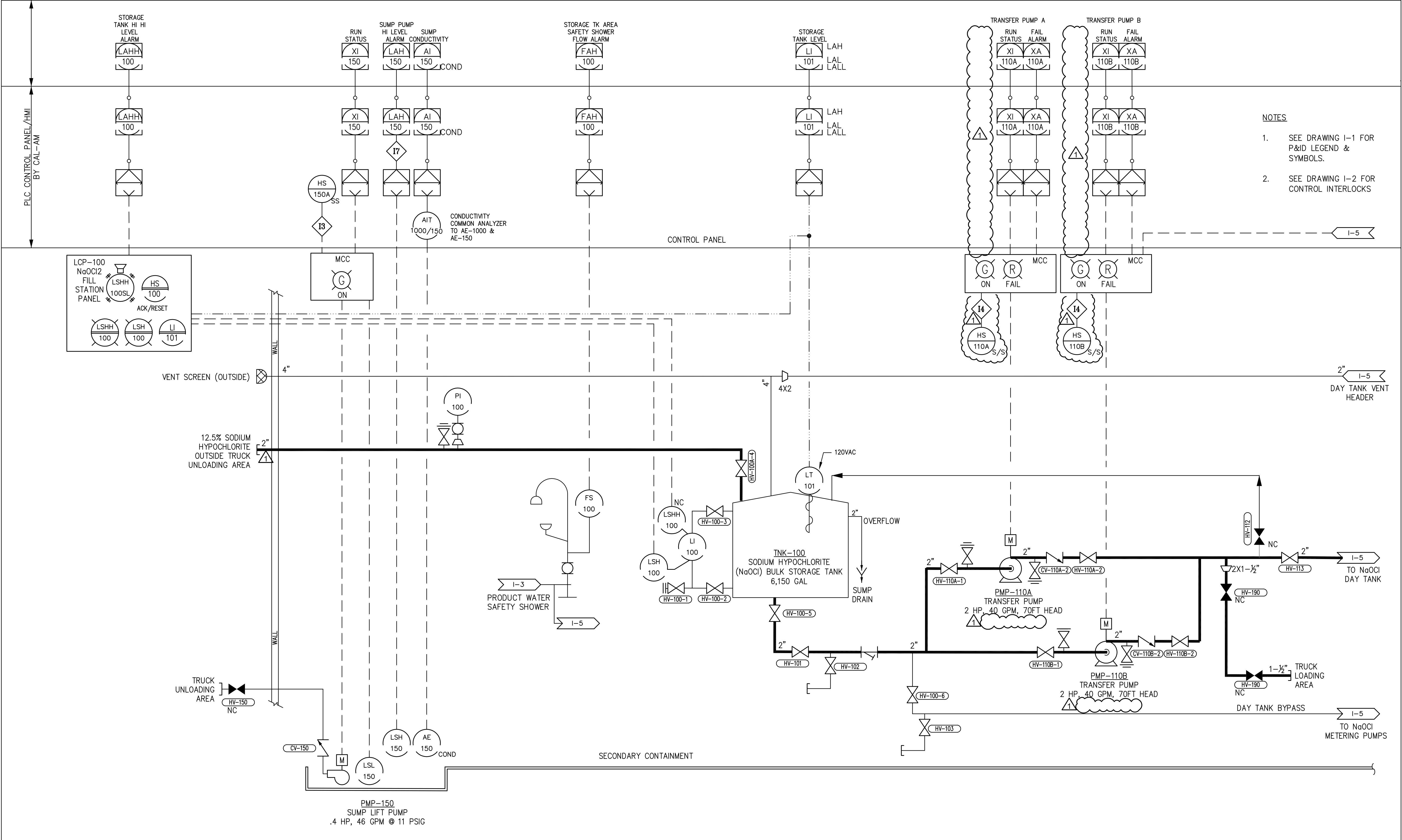


<p><u>NOTES:</u></p> <p>1. PROVIDE NAMEPLATE, BLACK 1/4" LETTERS ON WHITE, "FAN"</p>	<p>1</p>
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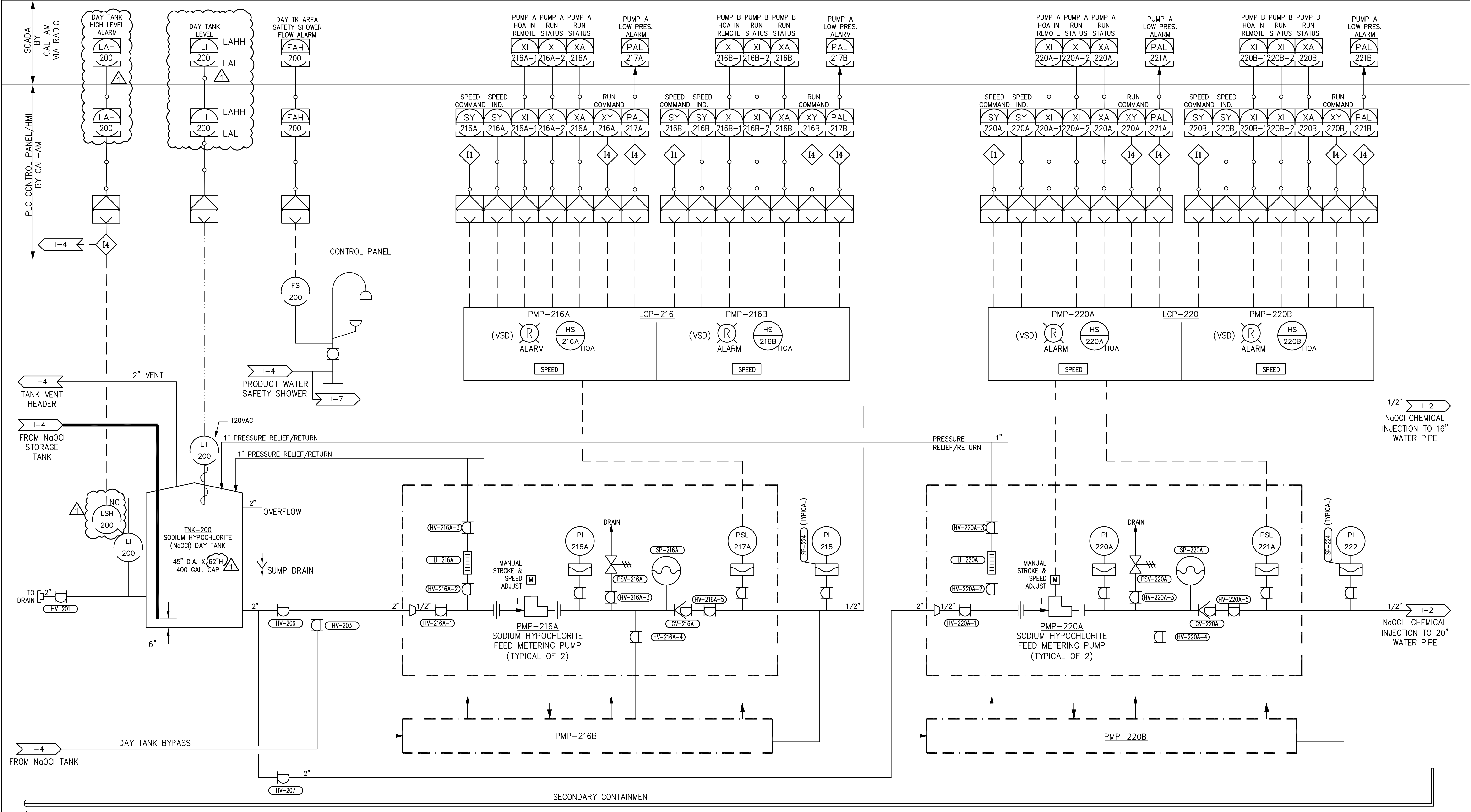
					SCALE: HOR. 1"=1"	WARNING  IF THIS BAR DOES NOT MEASURE 1' THEN DRAWING IS NOT TO SCALE	DESIGNED RLK DRAWN WS CHECKED RLK	UNAUTHORIZED CHANGES & USES CAUTION: The engineer preparing these plans will not be responsible for, or liable for unauthorized changes to or uses of these plans. All changes to the plans must be in writing and must be approved by the preparer of these plans.	 <b>KIYOI ENGINEERING INC.</b> 4141 State Street, Suite E10 Santa Barbara, CA 93110 Phone: (805) 681-0980 KEI PROJECT -- 22020	<b>PUEBLO water resources</b>  <b>Pueblo Water Resources</b> 4478 Market St., Suite 705 Ventura, CA 93003 (805) 644-0470	CONTROL ELEMENTARY SCHEMATICS-2  SANTA MARGARITA ASR FACILITY CHLORINATION BUILDING MONTEREY PENINSULA WATER MANAGEMENT DISTRICT	PROJECT NO.  E-12
1	9/13/19	SPT	BID ADDENDUM #3		VER. 1"=1"							
0	8/5/19	SPT	ISSUE FOR BID									
REV	DATE	BY	DESCRIPTION									







				SCALE: HOR. 1"=1" VER. 1"=1"	WARNING 0 1" IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE	DESIGNED SPT DRAWN WNS CHECKED SPT	<b>Pueblo Water Resources</b> 4478 Market St., Suite 705 Ventura, CA 93003 (805) 644-0470	UNAUTHORIZED CHANGES & USES CAUTION: The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes to or uses of these plans. All changes to the plans must be in writing and must be approved by the preparer of these plans.	SODIUM HYPOCHLORITE CHEMICAL STORAGE & TRANSFER PIPING & INSTRUMENT DIAGRAM  SANTA MARGARITA ASR FACILITY CHLORINATION BUILDING MONTEREY PENINSULA WATER MANAGEMENT DISTRICT	PROJECT NO.
1	9/13/19	SPT	BID ADDENDUM #3							I-4
0	8/5/19	SPT	ISSUE FOR BID							
REV	DATE	BY	DESCRIPTION							




REV	DATE	BY	DESCRIPTION
1	9/13/19	SPT	BID ADDENDUM #3
0	8/5/19	SPT	ISSUE FOR BID

SCALE:
HOR. 1"=1'
VER. 1"=1'

WARNING
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

DESIGNED	SPT
DRAWN	WNS
CHECKED	SPT



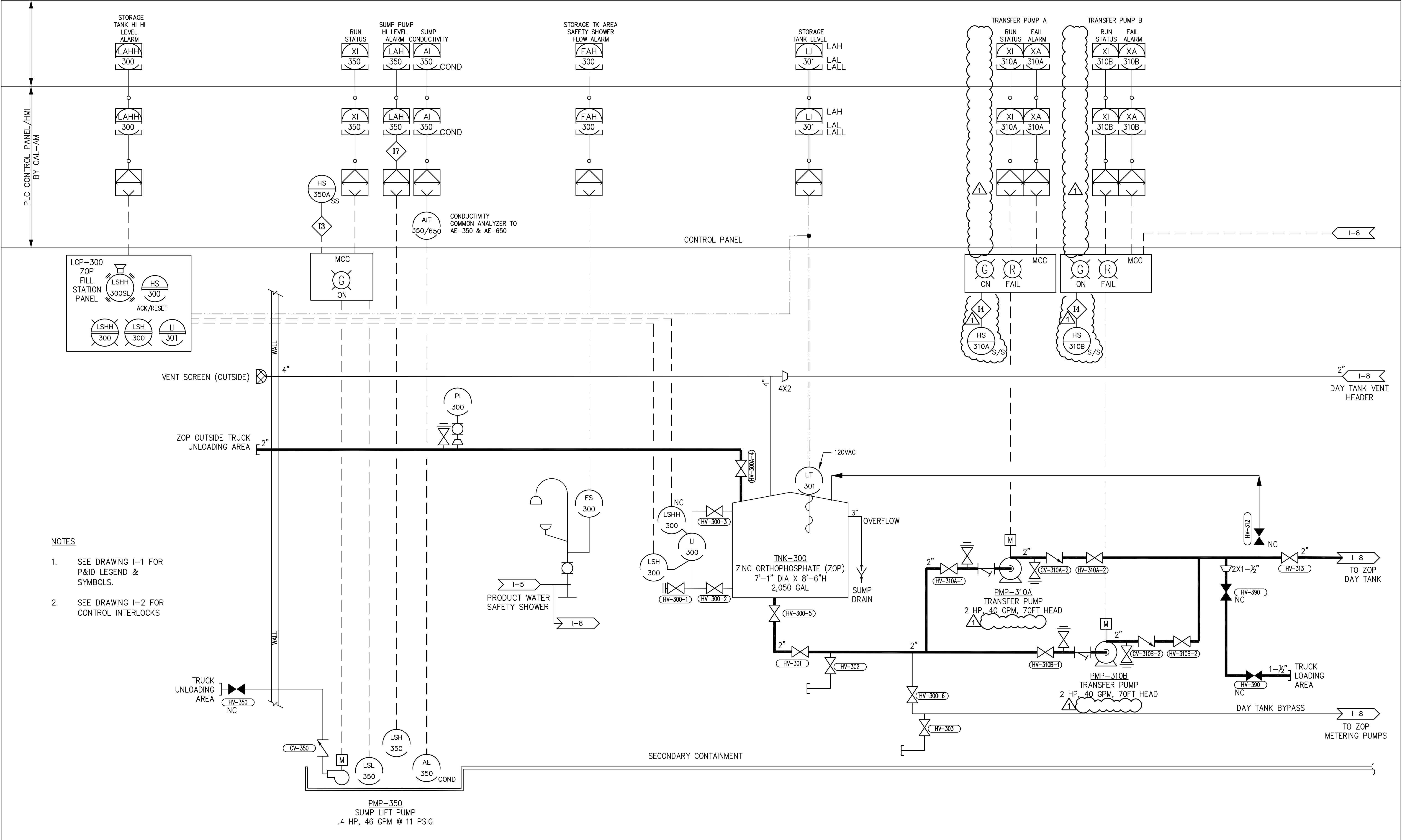
**Pueblo Water Resources**  
4478 Market St., Suite 705  
Ventura, CA 93003  
(805) 644-0470

UNAUTHORIZED CHANGES & USES CAUTION:  
The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes to or uses of these plans. All changes to the plans must be in writing and must be approved by the preparer of these plans.

SODIUM HYPOCHLORITE CHEMICAL METERING SYSTEM  
PIPING & INSTRUMENT DIAGRAM  
SANTA MARGARITA ASR FACILITY CHLORINATION BUILDING  
MONTEREY PENINSULA WATER MANAGEMENT DISTRICT

PROJECT NO.
I-5



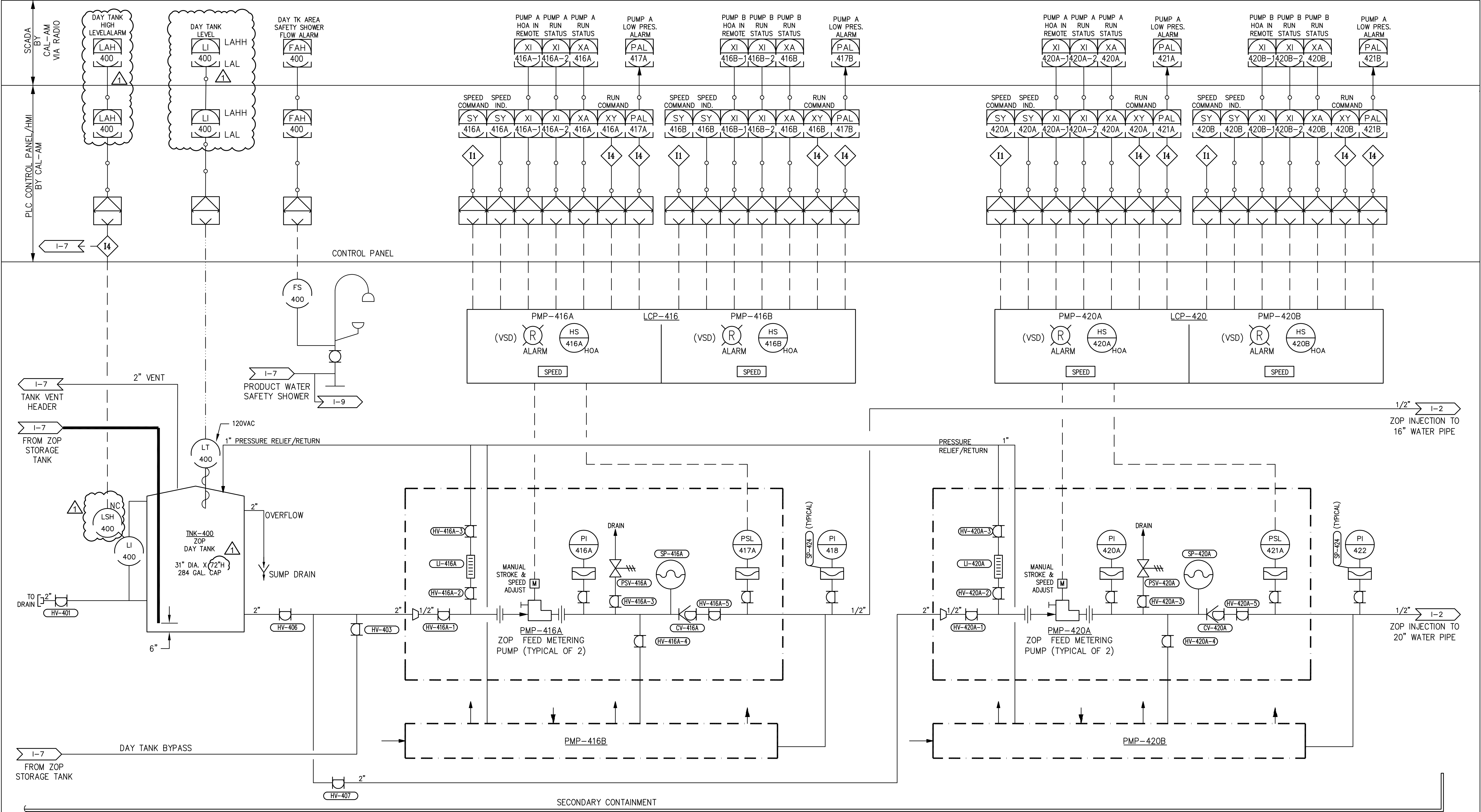


NOTES

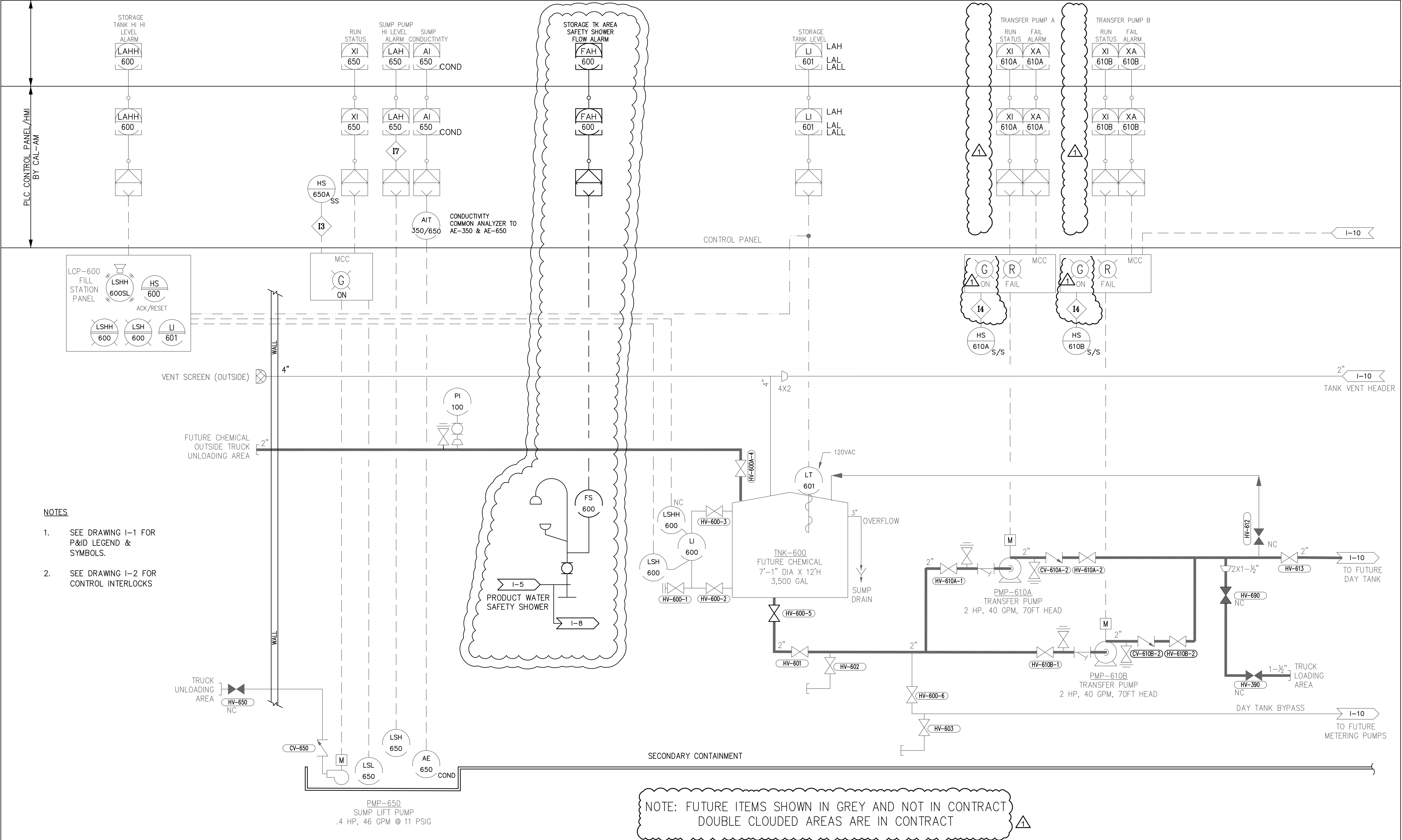
- SEE DRAWING I-1 FOR P&ID LEGEND & SYMBOLS.
- SEE DRAWING I-2 FOR CONTROL INTERLOCKS

				SCALE: HOR. 1"=1" VER. 1"=1"	WARNING IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE	DESIGNED SPT DRAWN WNS CHECKED SPT	<b>Pueblo Water Resources</b> 4478 Market St., Suite 705 Ventura, CA 93003 (805) 644-0470	UNAUTHORIZED CHANGES & USES CAUTION: The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes to or uses of these plans. All changes to the plans must be in writing and must be approved by the preparer of these plans.	<b>ZINC ORTHOPHOSPHATE CHEMICAL STORAGE &amp; TRANSFER PIPING &amp; INSTRUMENT DIAGRAM</b>  SANTA MARGARITA ASR FACILITY CHLORINATION BUILDING MONTEREY PENINSULA WATER MANAGEMENT DISTRICT	PROJECT NO.
1	9/13/19	SPT	BID ADDENDUM #3							I-7
0	8/5/19	SPT	ISSUE FOR BID							
REV	DATE	BY	DESCRIPTION							





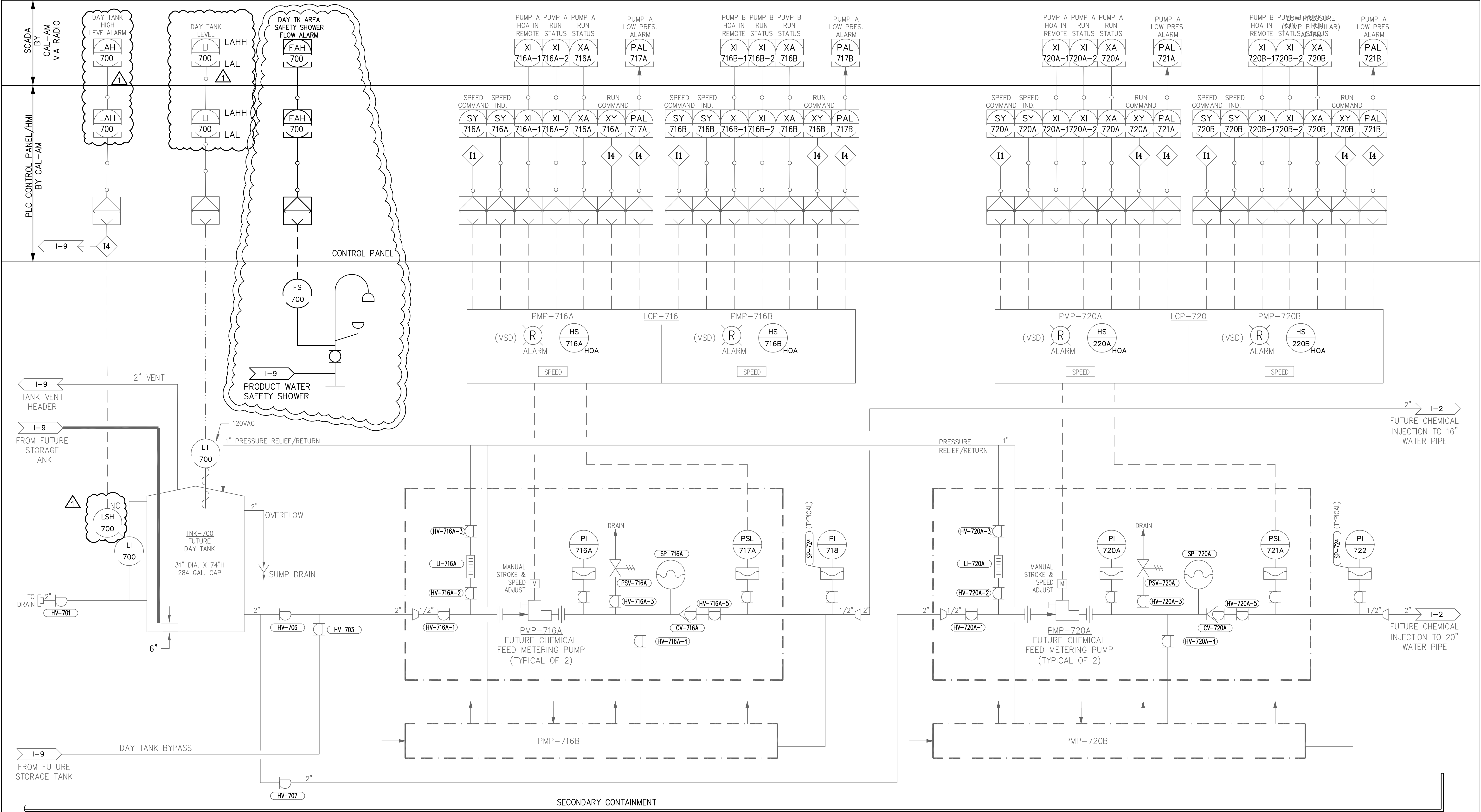
				SCALE:	<div>WARNING</div> <div></div> <div>IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE</div>	DESIGNED	SPT	<div></div> <div><b>Pueblo Water Resources</b></div> <div>4478 Market St., Suite 705</div> <div>Ventura, CA 93003</div> <div>(805) 644-0470</div>	UNAUTHORIZED CHANGES & USES CAUTION: The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes to or uses of these plans. All changes to the plans must be in writing and must be approved by the preparer of these plans.	ZINC ORTHOPHOSPHATE CHEMICAL METERING SYSTEM PIPING & INSTRUMENT DIAGRAM			PROJECT NO.
1	9/13/19	SPT	BID ADDENDUM #3	HOR.		1"=1"	DRAWN			WNS	SANTA MARGARITA ASR FACILITY CHLORINATION BUILDING MONTEREY PENINSULA WATER MANAGEMENT DISTRICT	I-8	
0	8/5/19	SPT	ISSUE FOR BID	VER.		1"=1"	CHECKED			SPT			
REV	DATE	BY	DESCRIPTION										



- NOTES
1. SEE DRAWING I-1 FOR P&ID LEGEND & SYMBOLS.
  2. SEE DRAWING I-2 FOR CONTROL INTERLOCKS

				SCALE:	<div>WARNING</div> <div></div>	DESIGNED <u>SPT</u>	<div><div><b>Pueblo Water Resources</b> 4478 Market St., Suite 705 Ventura, CA 93003 (805) 644-0470</div></div>	UNAUTHORIZED CHANGES & USES CAUTION: The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes to or uses of these plans. All changes to the plans must be in writing and must be approved by the preparer of these plans.	FUTURE CHEMICAL STORAGE & TRANSFER PIPING & INSTRUMENT DIAGRAM  SANTA MARGARITA ASR FACILITY CHLORINATION BUILDING MONTEREY PENINSULA WATER MANAGEMENT DISTRICT	PROJECT NO.	
				HOR. <u>1"=1"</u>	IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE	DRAWN <u>WNS</u>				I-9	
				VER. <u>1"=1"</u>		CHECKED <u>SPT</u>					
1	9/13/19	SPT	BID ADDENDUM #3								
0	8/5/19	SPT	ISSUE FOR BID								
REV	DATE	BY	DESCRIPTION								





NOTE: FUTURE ITEMS SHOWN IN GREY AND NOT IN CONTRACT  
DOUBLE CLOUDED AREAS ARE IN CONTRACT

				SCALE:		WARNING		DESIGNED SPT		<div><div></div><div>PUEBLO</div><div>water resources</div></div> <div><b>Pueblo Water Resources</b> 4478 Market St., Suite 705 Ventura, CA 93003 (805) 644-0470</div> <div>UNAUTHORIZED CHANGES &amp; USES CAUTION: The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes to or uses of these plans. All changes to the plans must be in writing and must be approved by the preparer of these plans.</div>	FUTURE CHEMICAL METERING SYSTEM PIPING & INSTRUMENT DIAGRAM				PROJECT NO.		
				HOR. 1"=1"				DRAWN WNS			SANTA MARGARITA ASR FACILITY CHLORINATION BUILDING MONTEREY PENINSULA WATER MANAGEMENT DISTRICT				I-10		
				VER. 1"=1"		IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE		CHECKED SPT									
1	9/13/19	SPT	BID ADDENDUM #3														
0	8/5/19	SPT	ISSUE FOR BID														
REV	DATE	BY	DESCRIPTION														

End of Addendum 3