

**ADDENDUM NO. 3**  
TO THE CONTRACT DOCUMENTS FOR

**City of Chehalis**  
**Chehalis Pump Station**

**Project No. W0 11.1003**

Project Issued: January 14, 2020

Addendum No. 3 Issued: February 10, 2020

***Bid Opening Date: To remain the same (2:00 PM on February 11, 2020)***

To: All Holders of Contract Documents

This addendum forms a part of the Contract Documents and modifies the original Contract Documents for which proposals are due as indicated on the date and time above.

Acknowledge receipt of this addendum on "Proposal Form" of the Bid Documents in the Contract Documents. Failure to do so might subject the bidder to disqualification.

This addendum shall modify the Contract Documents as follows:

**Item: 1**  
**Construction Plan Sheets**  
**Sheet E-2, E-3, E-4, E100, and E101**  
**Description: Plan sheets E-2, E-3, E-4, E100, and E101 have been deleted and replaced with the following plan sheets which have been modified to address the existing distribution panel and the inability to acquire a 200A Breaker:**



| LIGHTING FIXTURE SCHEDULE |  |              |                |  |                    |
|---------------------------|--|--------------|----------------|--|--------------------|
| TYPE                      | DESCRIPTION  | LAMPS        | WATTS /FIXTURE | MANUFACTURER INFO  | MOUNTING           |
| H1                        | HI BAY 15.25" X 44" SUSPENSION LED FIXTURE WITH AIRCRAFT CABLE SUSPENSION AND INTEGRAL OCCUPANCY SENSOR        | LED          | 148            | LITHONIA IBHST LED BAY LIGHT, 18,000LM, 120V, 40K OR EQUAL | SUSPENSION CEILING |
| F1                        | WALLPACK, LED WITH INTEGRAL PHOTOELECTRIC CELL AND TAMPER PROOF SCREWS   | LED          | 58             | LITHONIA TWH LED P2, 40K T3M 120 PE TP DBLXD OR EQUAL      | SURFACE WALL       |
| EM1                       | EMERGENCY LIGHT, NICKLE-CADMIUM BATTERY OPERATED TWO 12V, 1.5W LED LAMPS, FUSED 120 VOLT INPUT WITH TEST SWTCH | (2) 1.8W LED | 1.5            | LITHONIA EU2C HO ERE BT WP 120V OR EQUAL                   | SURFACE WALL       |

- NOTES:
- DISCONNECT EXISTING CHEMICAL ANALYZERS AND ABANDON IN PLACE. PROVIDE NEW CHEMICAL ANALYZER UTILIZING THE SAME ANALYSIS SYSTEMS AS THE EXISTING SYSTEM AT LOCATION SHOWN ON DRAWINGS.
  - ONLY ONE PUMP RUNS AT A TIME, NON-COINCIDENT LOAD.
  - CONDUIT FOR LIGHTING AND RECEPTACLES NOT SHOWN FOR DRAWING CLARITY.
  - MATCH EXISTING PLANT FIBER OPTIC CABLE TYPE.
  - EXISTING PUMPS TO BE DECOMMISSIONED AS NEW PUMPS ARE COMMISSIONED.

| CONDUIT AND WIRE SCHEDULE |                             |                             |                  |                       |           |           |              |
|---------------------------|-----------------------------|-----------------------------|------------------|-----------------------|-----------|-----------|--------------|
| NUMBER                    | FROM                        | TO                          | CONDUIT SIZE (") | CABLE SIZE & QUANTITY |           |           | COMMENTS     |
|                           |                             |                             |                  | POWER                 | CONTROL   | SIGNAL    |              |
| <b>240/120V POWER</b>     |                             |                             |                  |                       |           |           |              |
| P-101A                    | MTS OLD BLDG                | NEW BUILDING DP-1 PANEL     | 2-1/2"           | (4)#3/0, (1)#8G       |           |           |              |
| P-101B                    | NEW BUILDING DP-1 PANEL     | EXISTING DISTRIBUTION PANEL | 2-1/2"           | (4)#3/0, (1)#8G       |           |           |              |
| P-102                     | DP-1                        | PSP-1                       | 2"               | (3)#1, (1)#8G         |           |           |              |
| P-103                     | PSP-1                       | P-1 (PUMP 1)                | 1-1/4"           | (3)#3, (1)#8G         |           |           |              |
| P-104                     | PSP-1                       | P-2 (PUMP 2)                | 1-1/4"           | (3)#3, (1)#8G         |           |           |              |
| P-105                     | DP-1                        | RECEPTACLES (OUTLETS)       | 3/4"             | (2)#12, (1)#12G       |           |           |              |
| P-106                     | DP-1                        | LIGHTS                      | 3/4"             | (2)#12, (1)#12G       |           |           |              |
| P-107                     | DP-1                        | UNIT HEATER                 | 1"               | (3)#8, (1)#10G        |           |           |              |
| <b>SIGNAL</b>             |                             |                             |                  |                       |           |           |              |
| C-100                     | (E) PUMP HOUSE OR GENERATOR | PSP-1 CONTROL PANEL         | 2"               |                       | PULL WIRE |           | CONDUIT ONLY |
| <b>SIGNAL</b>             |                             |                             |                  |                       |           |           |              |
| S-100                     | EXISTING CONTROL PANEL      | PSP-1 CONTROL PANEL         | 3/4"             |                       |           | FIBER     | 8 STRAND     |
| S-101                     | PSP-1                       | LIT-100                     | 3/4"             |                       |           | (1)#16TSP |              |

| PANELBOARD SCHEDULE                            |                          |                     |     |                      |          |  |     |                 |                     |           |  |
|--|--------------------------|---------------------|-----|----------------------|----------|--|-----|-----------------|---------------------|-----------|--|
| NAME: DP-1                                     |                          |                     |     |                      |          |  |     |                 |                     |           |  |
| VOLTAGE RATING: 120/240 VOLTS, 3 PHASE, 4 WIRE |                          |                     |     |                      |          | LOCATION: NEW PUMP STATION BLDG        |     |                 |                     |           |  |
| BUS RATING: 200 AMPS                           |                          |                     |     |                      |          | FED FROM: MTS AT OLD PUMP STATION BLDG |     |                 |                     |           |  |
| MAIN BREAKER: 200 AMPS                         |                          |                     |     |                      |          | NOTES:                                 |     |                 |                     |           |  |
| FEED: BOTTOM                                   |                          |                     |     |                      |          |  |     |                 |                     |           |  |
| MOUNTING: SURFACE                              |                          |                     |     |                      |          |  |     |                 |                     |           |  |
| SPECIAL FEATURES: 65,000 AIC BRACING           |                          |                     |     |                      |          |  |     |                 |                     |           |  |
| LOAD TYPE                                      | CIRCUIT DESCRIPTION      | VA                  | CKT | BRKR                 | L1 L2 L3 | BRKR                                   | CKT | VA              | CIRCUIT DESCRIPTION | LOAD TYPE |  |
| L  | ELECTRICAL ROOM LIGHTING | 352                 | 1   | 15 / 1               | -A-      |  | 2   | 7,460           |                     | M         |  |
| X  | LCP-1                    | 1,200               | 3   | 20 / 1               | -B-      | 125 / 3                                | 4   | 7,460           | PUMP PANEL          | M         |  |
| R  | ROOM RCPT.               | 250                 | 5   | 20 / 1               | -C-      |  | 6   | 7,460           |                     | M         |  |
| X  |                          | 2,800               | 7   | 20 / 1               | -A-      | 20 / 1                                 | 8   | 3,750           |                     | H         |  |
| X  | EXISTING PANEL           | 2,800               | 9   | 20 / 1               | -B-      | 20 / 1                                 | 10  | 3,750           | UH-1                | H         |  |
| X  |                          | 2,800               | 11  | 20 / 1               | -C-      | /                                      | 12  |                 | SPACE               |           |  |
|  | SPACE                    |                     | 13  | /                    | -A-      | /                                      | 14  |                 | SPACE               |           |  |
|  | SPACE                    |                     | 15  | /                    | -B-      | /                                      | 16  |                 | SPACE               |           |  |
|  | SPACE                    |                     | 17  | /                    | -C-      | /                                      | 18  |                 | SPACE               |           |  |
| <b>LINE LOADS:</b>                             |                          | 25,083 VA(L1)       |     | 34,025 VA(L2)        |          | 26,949 VA(L3)                          |     |                 |                     |           |  |
| <b>TOTAL LOAD:</b>                             |                          | 86.04 KVA           |     | 207.0 AMPS           |          |  |     |                 |                     |           |  |
| <b>DP-1 LOAD CALCULATION:</b>                  |                          |                     |     |                      |          |  |     |                 |                     |           |  |
|  |                          | <b>CONNECTED VA</b> |     | <b>METHOD</b>        |          | <b>NEC DEMAND</b>                      |     | <b>CALC. VA</b> |                     |           |  |
| TOTAL LIGHTING (L) LOAD:                       | L                        | 352                 |     | ALL @                |          | 125%                                   |     | 440             |                     |           |  |
| TOTAL RECEPTACLE (R) LOAD:                     | R                        | 790                 |     | FIRST 10KVA @        |          | 125%                                   |     | 988             |                     |           |  |
|  |                          |                     |     | REMAINDER OVER 10KVA |          | 50%                                    |     | 0               |                     |           |  |
| TOTAL MOTOR (M) LOAD:                          | M                        | 23556               |     | ALL @                |          | 100%                                   |     | 23556           |                     |           |  |
|  | LM                       | 1176                |     | 125% OF LARGEST      |          | 125%                                   |     | 1470            |                     |           |  |
| TOTAL HVAC (H) LOAD:                           | H                        | 45028               |     | ALL @                |          | 125%                                   |     | 56283           |                     |           |  |
| TOTAL MISCELLANEOUS (X) LOAD:                  | X                        | 15138               |     | ALL @                |          | 125%                                   |     | 18920           |                     |           |  |
| TOTAL VA:                                      |                          | 86036 VA            |     |                      |          |  |     | 101657 VA       |                     |           |  |
| AVERAGE AMPS @                                 |                          | 207 AMPS            |     |                      |          |  |     | 245 AMPS        |                     |           |  |
| VOLTAGE PHASE TO PHASE=                        |                          | 240                 |     |                      |          |  |     |                 |                     |           |  |
| <b>* NOTE: ONLY ONE PUMP TO RUN AT A TIME.</b> |                          |                     |     |                      |          |  |     |                 |                     |           |  |



ANALYZER COMPONENTS  
DETAIL  
SCALE: NONE E100

| REVISIONS | DATE       | BY  | AGS |
|-----------|------------|-----|-----|
| 1         | 01/22/2020 | AGS | AGS |
| 2         | 02/04/2020 | AGS | AGS |

**SCJ ALLIANCE**  
CONSULTING SERVICES  
8730 TALLON LANE, SUITE 200, LACEY, WA 98516  
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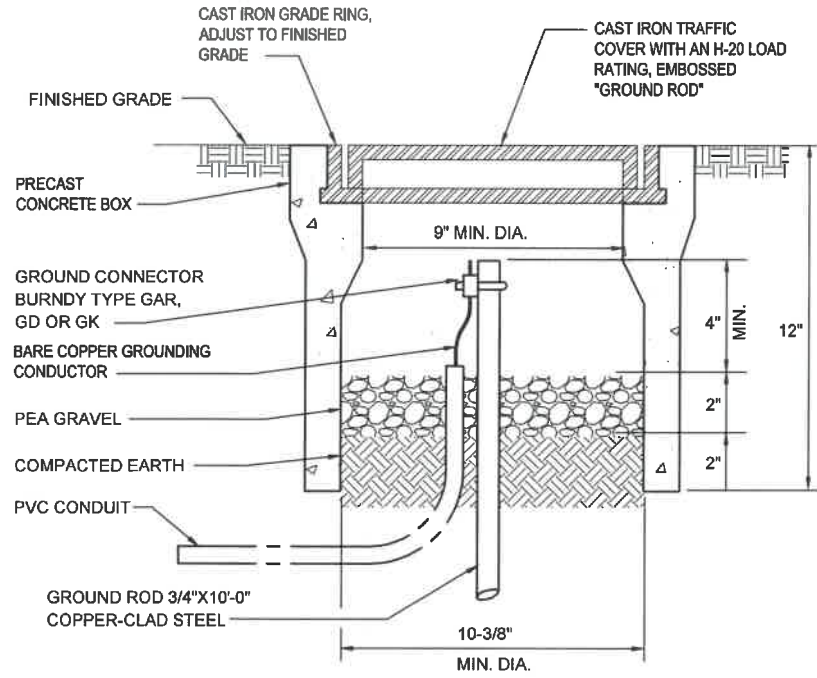
**ELECTRICAL SCHEDULES**  
CITY OF CHEHALIS  
WATER PLANT PUMP STATION  
ELECTRICAL DESIGN AND SCADA / TELEMETRY PROGRAMMING



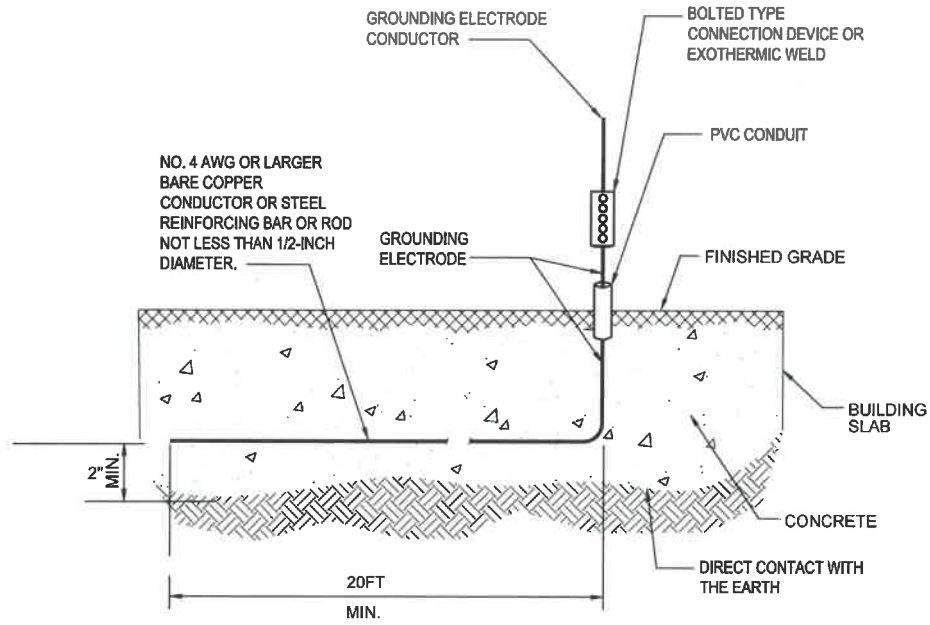
|                  |               |
|------------------|---------------|
| DESIGNER:        | J. VONDERAHE  |
| DRAWN BY:        | D. PETERSON   |
| APPROVED BY:     | A. STOKES     |
| DATE:            | NOVEMBER 2019 |
| JOB NO:          | 216-5491-021  |
| DRAWING FILE NO: | PSS401021-E3  |
| DRAWING NO:      | E3            |
| SHEET NO:        | 3 OF 6        |

Feb 05, 2020 11:24:43am - User: vanderah  
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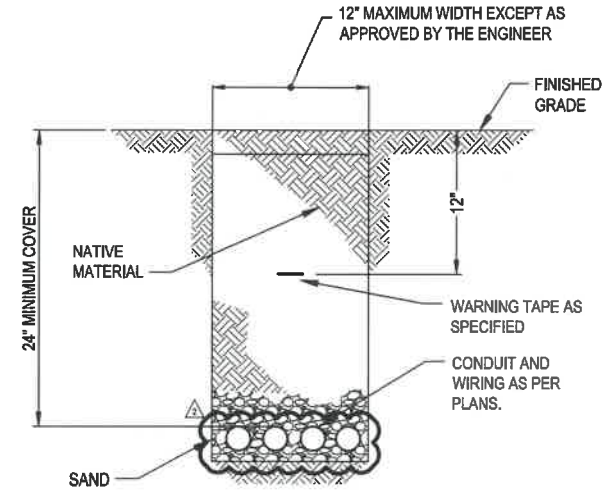




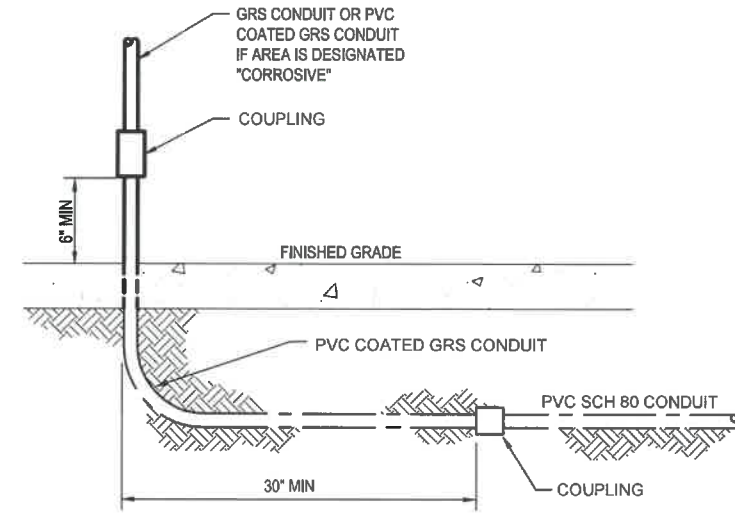
**TYPICAL GROUND ROD BOX  
DETAIL**  
SCALE: NONE  
E101



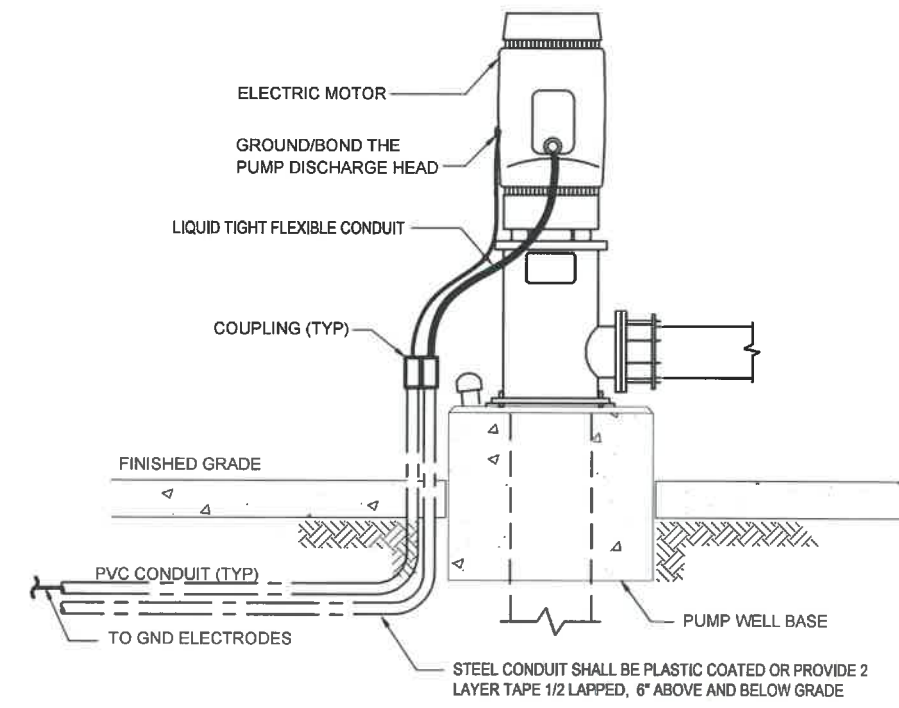
**CONCRETE ENCASED ELECTRODE  
DETAIL**  
SCALE: NONE  
E101



**TYPICAL CONDUIT AND WIRING IN TRENCH  
DETAIL**  
SCALE: NONE  
E100



**CONDUIT TRANSITION  
DETAIL**  
SCALE: NONE  
E101



**MOTOR CONNECTION  
DETAIL**  
SCALE: NONE  
E101

|                            |            |
|----------------------------|------------|
| BY                         | AGS        |
| DATE                       | 02/04/2020 |
| REVISIONS                  |            |
| ADDENDUM NO. 3, ITEM NO. 1 |            |

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**ELECTRICAL DETAILS**  
CITY OF CHEHALIS  
WATER PLANT PUMP STATION  
ELECTRICAL DESIGN AND SCADA / TELEMETRY PROGRAMMING

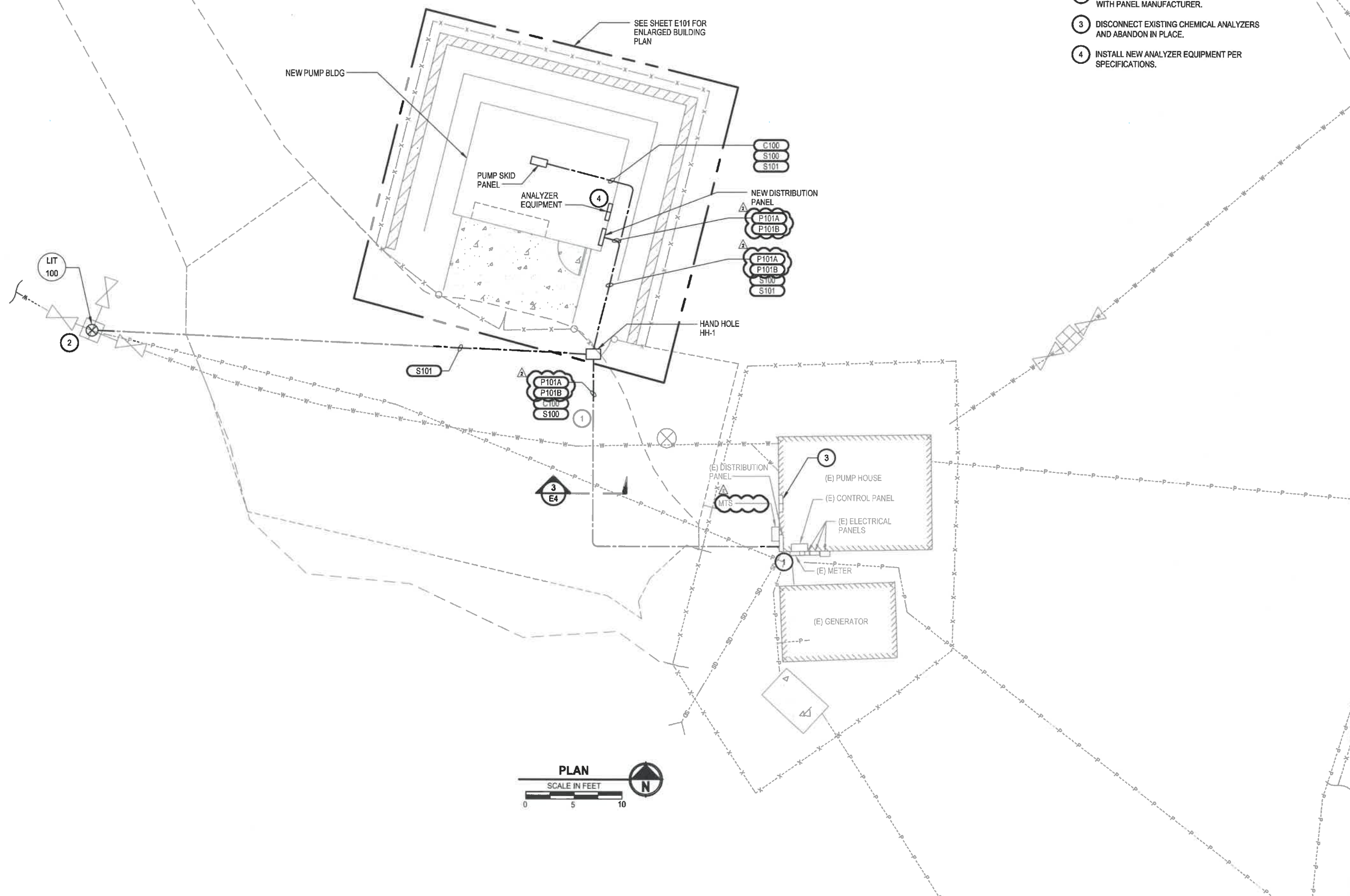


|                   |               |
|-------------------|---------------|
| DESIGNER:         | J. VONDERAHE  |
| DRAWN BY:         | J. VONDERAHE  |
| APPROVED BY:      | A. STOKES     |
| DATE:             | NOVEMBER 2019 |
| JOB NO.:          | 216-6191-021  |
| DRAWING FILE NO.: | PSS491021-E4  |
| DRAWING NO.:      | E4            |
| SHEET NO.:        | 4 OF 6        |

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Feb 05, 2020 11:26:41 am - User: vanderah  
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- NOTES:**
- 1 CONTRACTOR TO FIELD ROUTE CONDUIT.
  - 2 CONTRACTOR TO COORDINATE LOOP POWER WITH PANEL MANUFACTURER.
  - 3 DISCONNECT EXISTING CHEMICAL ANALYZERS AND ABANDON IN PLACE.
  - 4 INSTALL NEW ANALYZER EQUIPMENT PER SPECIFICATIONS.



|                            |            |
|----------------------------|------------|
| BY                         | AS         |
| DATE                       | 02/04/2020 |
| REVISIONS                  |            |
| APPENDIX NO. 3, ITEM NO. 1 |            |

**SCJ ALLIANCE**  
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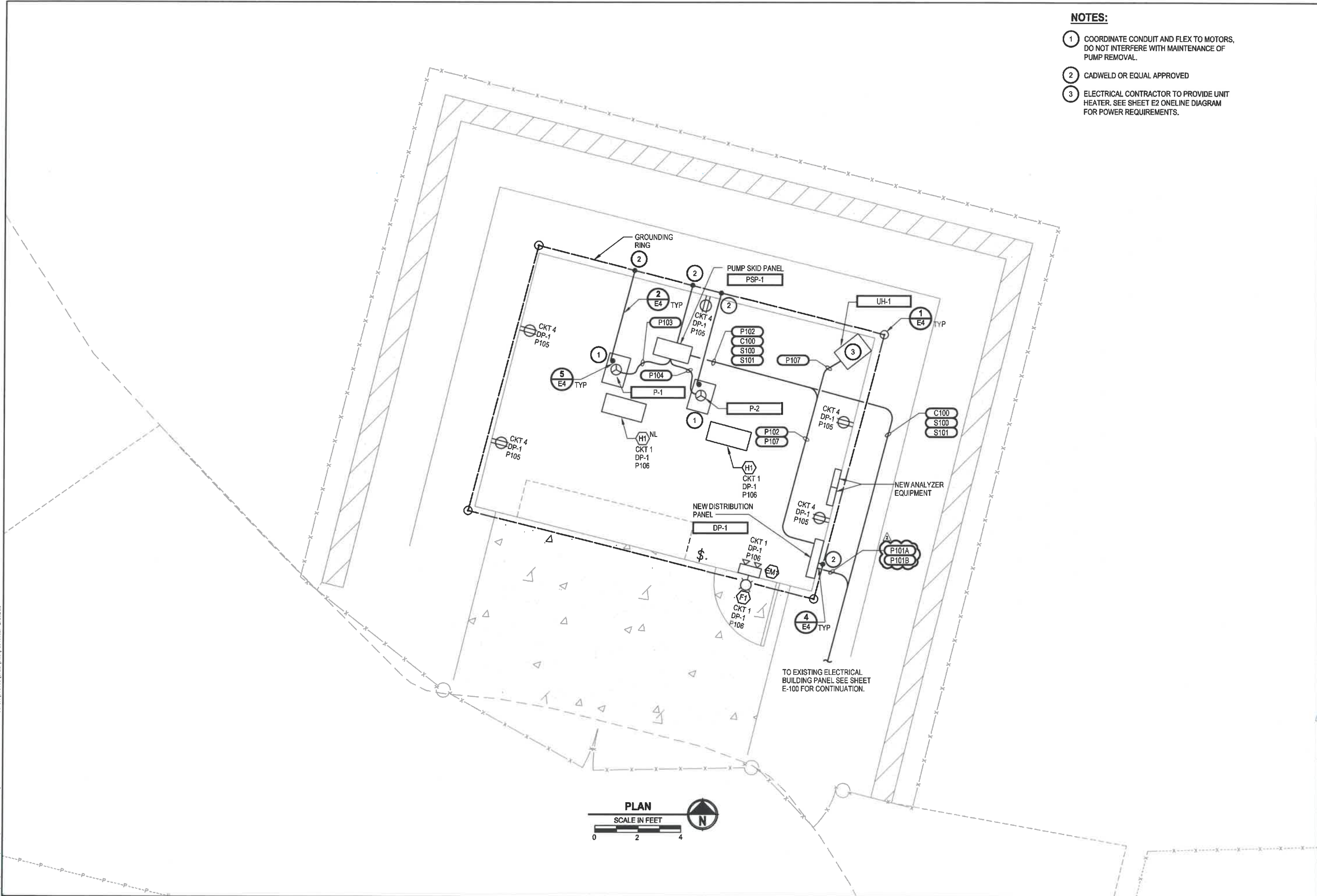
**ELECTRICAL SITE PLAN**  
 CITY OF CHEHALIS  
 WATER PLANT PUMP STATION  
 ELECTRICAL DESIGN AND SCADA / TELEMETRY PROGRAMMING



|                   |                |
|-------------------|----------------|
| DESIGNER:         | J. VONDERAHE   |
| DRAWN BY:         | J. VONDERAHE   |
| APPROVED BY:      | A. STOKES      |
| DATE:             | NOVEMBER 2019  |
| JOB NO.:          | 216-5491-021   |
| DRAWING FILE NO.: | PSA\61021-E100 |
| DRAWING NO.:      | E100           |
| SHEET NO.:        | 5 OF 6         |

Feb 05, 2020 11:27:33am - User: vonda...  
 U:\PROJ\PROJECTS\CLIENTS\6491-SCJ ALLIANCE\216-5491-021 CHEHALIS DESIGN-SCADA\DWG\SS-491021-E101.DWG

- NOTES:**
- 1 COORDINATE CONDUIT AND FLEX TO MOTORS, DO NOT INTERFERE WITH MAINTENANCE OF PUMP REMOVAL.
  - 2 CADWELD OR EQUAL APPROVED
  - 3 ELECTRICAL CONTRACTOR TO PROVIDE UNIT HEATER. SEE SHEET E2 ONELINE DIAGRAM FOR POWER REQUIREMENTS.



| REVISIONS                  | DATE       | BY  |
|----------------------------|------------|-----|
| ADDENDUM NO. 3, ITEM NO. 1 | 02/04/2020 | AGS |

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**SHEET TITLE:** ELECTRICAL SITE PLAN

**PROJECT NAME:** CITY OF CHEHALIS WATER PLANT PUMP STATION ELECTRICAL DESIGN AND SCADA / TELEMETRY PROGRAMMING



**DESIGNER:** J. VONDERAHE  
**DRAWN BY:** J. VONDERAHE  
**APPROVED BY:** A. STOKES  
**DATE:** NOVEMBER 2019  
**JOB NO:** 216-5491-021  
**DRAWING FILE NO:** PSS491021-E101  
**DRAWING NO:** E101  
**SHEET NO:** 6 OF 6

**Item: 2**

**Contactor Question**

**Description: Where is the shoring for the excavation called out to be provided? Will some type of sheeting/shoring be required?**

Answer: The cut lines for the wall and the finished grade line are shown on the elevations and sections for the walls on sheets S3.0 and S4.0.

The shoring and bracing is to be the responsibility of the contractor and is called out on sheet S1.0 structural notes.

The lump sum cost of the walls on the schedule of values given, includes the excavation and backfill.

If contractor would like to provide an alternative for a bidder design sheet wall, for either shoring or permanent wall, that could be added by the bidder as a bid alternate in lieu of necessary excavation and backfill.

**Item: 3**

**Contactor Question**

**Description: Addendum #1, Schedule of Values (00 43 73) Item 10 (Electrical) and Item 14 (Telemetry) call for design? Nowhere in the spec's can I find any requirement for design for either the electrical or the telemetry bidders. Can you clarify the design requirement that they are referring to in the schedule of values?**

Answer: The references should be: "Coordination of Item 10 (Electrical) and coordination of #14 (Telemetry - ethernet communications) with systems in the existing well house."

The term "Design" is a misnomer.

**Item: 4**

**Contactor Question**

**Description: Trying to bid the metal roofing and siding on this project but need a bit more info;**

- 1. Metal Roofing Panel Profile and potential manufacturer?**
- 2. Metal Siding Panel Profile and potential manufacturer?**

**I did find a call out for 26ga thickness and Galvalume finish.**

**Please advise.**

Answer: For the roofing metal and siding, acceptable panels Nucor Classic, Metal Mill Classic Rib or equal Galvalume, 36" wide panels, 26 ga. Another equivalent option would be ASC PBR 36" wide panels, with Zinvalume finish, 26 ga. For color, light grey is acceptable, as is any available color that the owner would like.

For trim, vented ridge caps, gable end caps and eaves I would recommend using the manufacturer's compatible products for flashing and attach for the specified wind speed and uplift ratings. (115 mph Exposure B) noted on the structural notes.

Wall and roof siding shall be installed according to manufacturer's instructions. These should be submitted for review and approval prior to installation.

**\*\*\*END OF ADDENDUM NO. 3\*\*\***