



**CITY OF GRASS VALLEY
ENGINEERING DIVISION**

ADDENDUM NO. 3

**NOTICE TO CONTRACTORS,
SPECIAL PROVISIONS, AND
CONSTRUCTION CONTRACT**

FOR

**SLATE CREEK LIFT STATION PUMP REPLACEMENT PROJECT
PROJECT NO. 17-09**

BID OPENING – THURSDAY, OCTOBER 9, 2025, AT 3:30PM

**ALL ADDENDA MUST BE SIGNED AND RETURNED
WITH THE BIDDER'S PROPOSAL IN ORDER FOR THE
BID TO BE CONSIDERED RESPONSIVE.**

ADDENDUM NO. 3

**PROJECT: SLATE CREEK LIFT STATION PUMP REPLACEMENT PROJECT
PROJECT NO. 17-09**

BID OPENING: THURSDAY, OCTOBER 9, 2025 AT 3:30PM

REVISIONS TO NOTICE TO CONTRACTORS AND PROPOSAL:

1. Amend all references to Bid Opening Date to a revised opening date of Thursday, October 9, 2025 at 3:30 PM.

REVISIONS TO PLANS:

1. Sheet 3 of 6 "Demolition" – the following items shall be modified to as follows:
Item #1 – The items to the right of the existing power cabinet (telephone line/box, unused alarm box) shall be removed to make room for the new distribution panel to be installed.
Item #16 - Remove the existing air tank, water tank, well tank and all associated piping.
2. Sheet 4 of 6 "Construction Plan" – Please see the attached drawing showing additional Electrical Scope information.

REVISIONS TO SPECIAL PROVISIONS:

The City intends to purchase items required to reconfigure the existing motor control center, a distribution breaker cabinet, two RVSS control panels, along with all additional electrical components shown in the attached AIC Design Build Scope document. The equipment purchase will include all required Shop drawings for the work required for a complete, fully functional lift station.

1. Section 10-1.21 "Electrical Controls and Instrumentation" - this section shall be replaced in its entirety with the following:
This work shall consist of furnishing all necessary labor, materials, equipment and incidentals required to install a complete and operational electrical control and instrumentation system according to the intent of these Special Provisions, whether itemized or not. The City will provide a wiring diagram after award of the contract.
The project plans and these Special Provisions shall be thoroughly examined and all mechanical equipment shown or otherwise required, shall be provided with the starters, circuit breakers, switches, pushbuttons and appurtenances needed for proper functionality and code compliance. The Contractor shall erect all electrical equipment, furnish and install conduit, wire and cable and make connections as required to place all equipment in complete operation.
The general extent of the electrical work includes, but is not limited to, the scope of work as shown in the revised drawing and additional documentation provided as part of Addendum #3.
2. Section 10.121.1 "Codes and Standards" – Paragraph 4 is modified to read **"The Contractor is required to obtain an approved building permit from the City of Grass Valley for the electrical controls and instrumentation work."**
3. Section 1.21.8 "Material Equipment and Shop Drawings" shall be replaced in its entirety with the following:
Submittals of the materials and equipment being supplied by the Contactor shall be prepared in accordance with these Special Provisions and the City of Grass Valley Improvement Standards.
Before the start of construction and in conjunction with the schedule of Sub-Contractors, the Contractor shall furnish to the Engineer a tentative construction schedule showing the order of the work and the anticipated delivery dates.

The following information shall be clearly marked on each catalog cut, specification sheet, etc. submitted: 1) Project Title, 2) Date, 3) Submitted By and 4) Identification of item represented.

The shop drawings provided by the City shall include complete interconnection wiring diagrams. Interconnection drawings shall show for each piece of equipment and all wiring between all devices, panels, cabinets, terminal boxes, control equipment, motor control centers and any other devices and equipment including equipment provided in other Divisions of the Specifications as well as equipment provided by the Owner. Each interconnection diagram shall show the following as a minimum: each conduit number, wire label, wire color code and terminal number, as actually installed; each motor, starter, cubicle, disconnect, switch, panel, cabinet, instrument, device and all other equipment; and grounding points. The City will require as-built drawings upon completion of the installation.

Commercial Warranties: Pursuant to the general provisions of the contract, prior to final payment, the Contractor shall furnish to the Engineer a listing of all manufacturers of their materials and equipment. The list of these warranties must include the time period of each warranty, i.e. 6 months, 1 year, and the like. One copy each of those warranties whose time period exceeds 1 year shall be submitted with the listing.

END OF REVISIONS

Issued By:

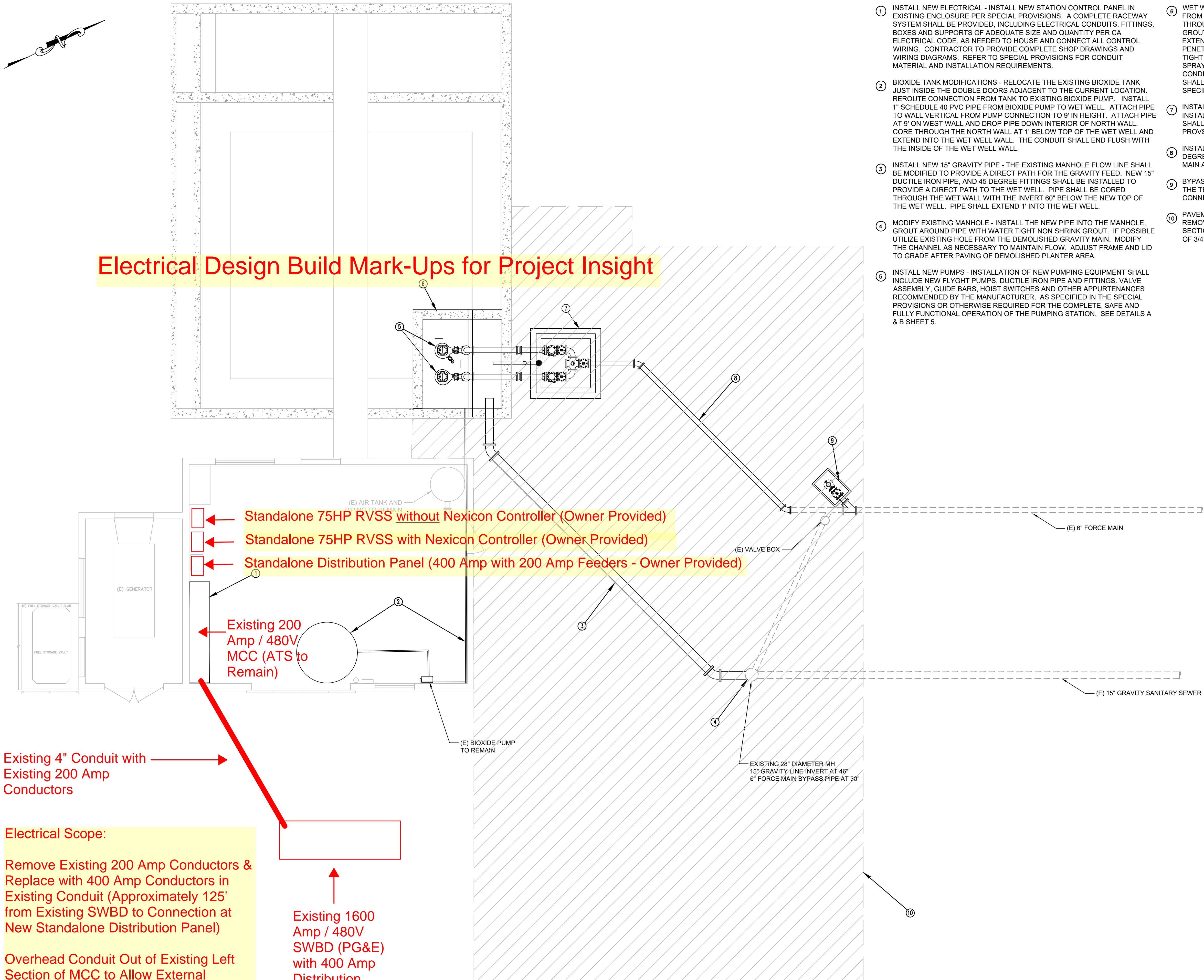
Bjorn P. Jones, PE
City Engineer

Date

I HAVE READ AND UNDERSTAND THIS ADDENDUM

Signature

Bidder



Electrical Design Build Mark-Ups for Project Insight

- Standalone 75HP RVSS without Nexicon Controller (Owner Provided)
- Standalone 75HP RVSS with Nexicon Controller (Owner Provided)
- Standalone Distribution Panel (400 Amp with 200 Amp Feeders - Owner Provided)

Existing 200 Amp / 480V MCC (ATS to Remain)

Existing 4" Conduit with Existing 200 Amp Conductors

Electrical Scope:

Remove Existing 200 Amp Conductors & Replace with 400 Amp Conductors in Existing Conduit (Approximately 125' from Existing SWBD to Connection at New Standalone Distribution Panel)

Overhead Conduit Out of Existing Left Section of MCC to Allow External Connection with New Standalone Distribution Panel

Existing 1600 Amp / 480V SWBD (PG&E) with 400 Amp Distribution Circuit Breaker & Electronic Trip (Currently Set at 200 Amps)

CONSTRUCTION NOTES

1. INSTALL NEW ELECTRICAL - INSTALL NEW STATION CONTROL PANEL IN EXISTING ENCLOSURE PER SPECIAL PROVISIONS. A COMPLETE RACEWAY SYSTEM SHALL BE PROVIDED, INCLUDING ELECTRICAL CONDUITS, FITTINGS, BOXES AND SUPPORTS OF ADEQUATE SIZE AND QUANTITY PER C.A. ELECTRICAL CODE, AS NEEDED TO HOUSE AND CONNECT ALL CONTROL WIRING. CONTRACTOR TO PROVIDE COMPLETE SHOP DRAWINGS AND WIRING DIAGRAMS. REFER TO SPECIAL PROVISIONS FOR CONDUIT MATERIAL AND INSTALLATION REQUIREMENTS.
2. BIOXIDE TANK MODIFICATIONS - RELOCATE THE EXISTING BIOXIDE TANK JUST INSIDE THE DOUBLE DOORS ADJACENT TO THE CURRENT LOCATION. REROUTE CONNECTION FROM TANK TO EXISTING BIOXIDE PUMP. INSTALL 1" SCHEDULE 40 PVC PIPE FROM BIOXIDE PUMP TO WET WELL. ATTACH PIPE TO WALL VERTICAL FROM PUMP CONNECTION TO 9" IN HEIGHT. ATTACH PIPE AT 9" ON WEST WALL AND DROP PIPE DOWN INTERIOR OF NORTH WALL. CORE THROUGH THE NORTH WALL AT 1' BELOW TOP OF THE WET WELL AND EXTEND INTO THE WET WELL WALL. THE CONDUIT SHALL END FLUSH WITH THE INSIDE OF THE WET WELL WALL.
3. INSTALL NEW 15" GRAVITY PIPE - THE EXISTING MANHOLE FLOW LINE SHALL BE MODIFIED TO PROVIDE A DIRECT PATH FOR THE GRAVITY FEED. NEW 15" DUCTILE IRON PIPE, AND 45 DEGREE FITTINGS SHALL BE INSTALLED TO PROVIDE A DIRECT PATH TO THE WET WELL. PIPE SHALL BE CORED THROUGH THE WET WALL WITH THE INVERT 60" BELOW THE NEW TOP OF THE WET WELL. PIPE SHALL EXTEND 1' INTO THE WET WELL.
4. MODIFY EXISTING MANHOLE - INSTALL THE NEW PIPE INTO THE MANHOLE. GROUT AROUND PIPE WITH WATER TIGHT NON SHRINK GROUT. IF POSSIBLE UTILIZE EXISTING HOLE FROM THE DEMOLISHED GRAVITY MAIN. MODIFY THE CHANNEL AS NECESSARY TO MAINTAIN FLOW. ADJUST FRAME AND LID TO GRADE AFTER PAVING OF DEMOLISHED PLANTER AREA.
5. INSTALL NEW PUMPS - INSTALLATION OF NEW PUMPING EQUIPMENT SHALL INCLUDE NEW FLYGT PUMPS, DUCTILE IRON PIPE AND FITTINGS, VALVE ASSEMBLY, GUIDE BARS, HOIST SWITCHES AND OTHER APPURTENANCES RECOMMENDED BY THE MANUFACTURER, AS SPECIFIED IN THE SPECIAL PROVISIONS OR OTHERWISE REQUIRED FOR THE COMPLETE, SAFE AND FULLY FUNCTIONAL OPERATION OF THE PUMPING STATION. SEE DETAILS A & B SHEET 5.

CONSTRUCTION NOTES - CONTINUED

6. WET WELL MODIFICATIONS - THE EXISTING CHAMFER SHALL BE REMOVED FROM THE BOTTOM OF THE WET WELL. ALL CURRENT PENETRATIONS THROUGH THE WET WELL WALLS SHALL BE REMOVED AND THE HOLES GROUTED. THE TWO INTERIOR WALLS OF THE WET WELL, SHALL BE EXTENDED 5' IN HEIGHT TO PROVIDE ADDITIONAL CAPACITY. ALL NEW PENETRATIONS SHALL BE CORED FOR CLEAN HOLES AND GROUTED WATER TIGHT WITH NON SHRINK GROUT. THE WET WELL SHALL BE COATED WITH A SPRAY EPOXY PROTECTIVE COATING AS SPECIFIED IN THE SPECIAL CONDITIONS. SEE DETAILS A & B SHEET 5. THE OPEN TOP OF THE WET WELL SHALL BE MODIFIED AS NEEDED TO ACCEPT A NEW ACCESS COVER AS SPECIFIED IN THE SPECIAL PROVISIONS.
7. INSTALL VALVE VAULT WITH COVER - A NEW 7'4" X 7'4" VAULT SHALL BE INSTALLED AS SPECIFIED IN THE SPECIAL CONDITIONS. AN ACCESS COVER SHALL BE INSTALLED ON THE VALVE VAULT AS SPECIFIED IN THE SPECIAL PROVISIONS.
8. INSTALL NEW 6" FORCE MAIN - INSTALL NEW 6" DUCTILE IRON PIPE AND 45 DEGREE FITTINGS TO CONNECT THE NEW PUMPS TO THE EXISTING FORCE MAIN AS SPECIFIED IN THE SPECIAL PROVISIONS.
9. BYPASS CONNECTION - UPON COMPLETION OF PROJECT AND REMOVAL OF THE TEMPORARY BYPASS, CONTRACTOR SHALL VERIFY THAT THE BYPASS CONNECTION IS FULLY FUNCTIONAL FOR FUTURE USE.
10. PAVEMENT RESTORATION - THE OUTLINE OF THE ASPHALT AREA TO BE REMOVED SHALL BE CUT ON NEAT LINES TO A DEPTH OF THE REPLACEMENT SECTION. HOT MIX ASPHALT SHALL BE PLACED TO A DEPTH OF 4" OVER 6" OF 3/4" CRUSHED ROCK BASE MATERIAL.

CONSTRUCTION PLAN

SCALE: 1"=5'

NOTE:
THE CITY OF GRASS VALLEY OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

CITY OF GRASS VALLEY ENGINEERING DIVISION

SLATE CREEK LIFT STATION
PUMP REPLACEMENT PROJECT
CONSTRUCTION PLAN



DRAWN BY: CAD
CHECKED BY: BPJ
DATE: AUG 2025
DATE: AUG 2025

DRAWING NUMBER:
2146

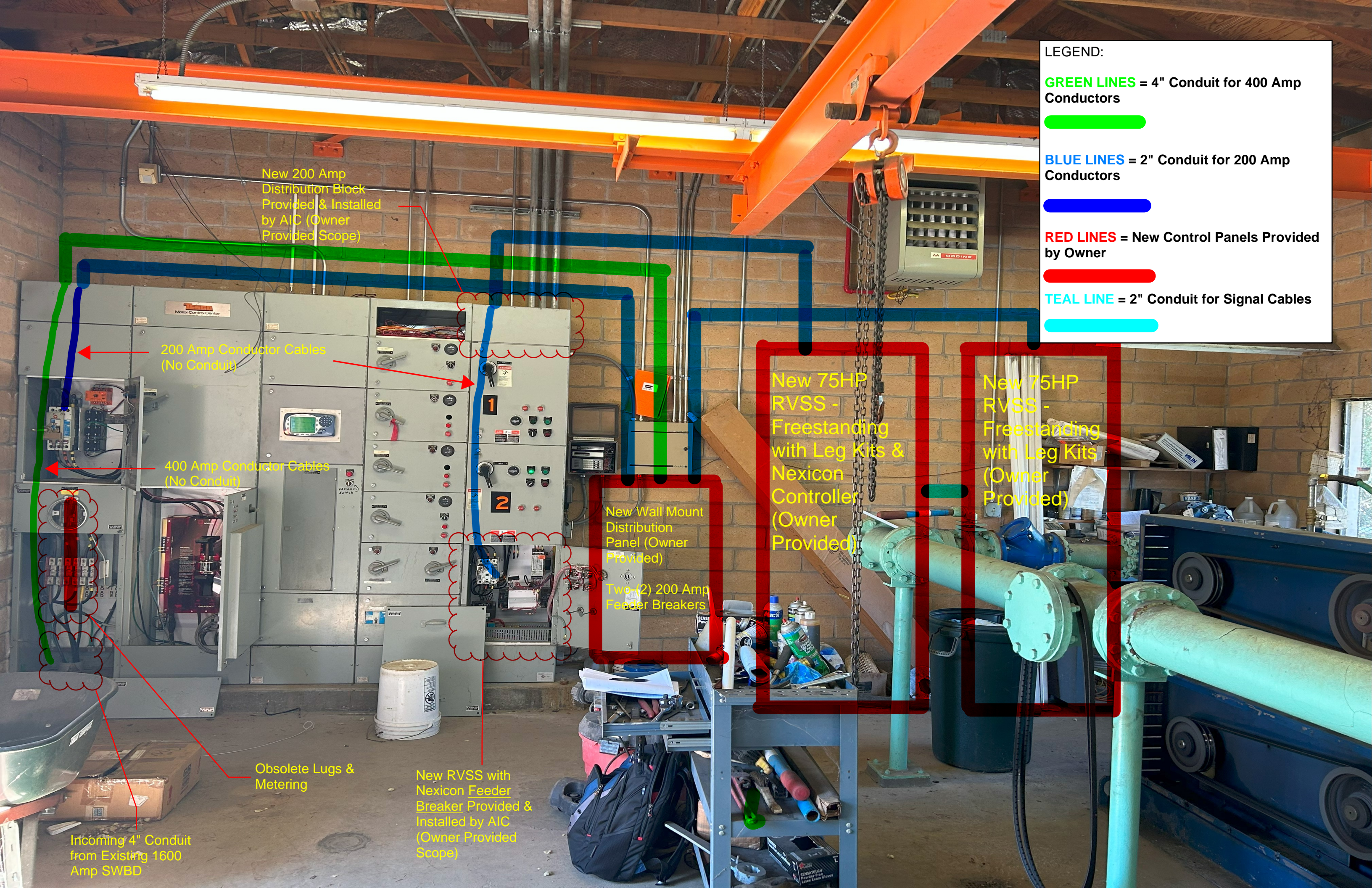
SHEET NUMBER:
4 OF 6

REVISIONS

No.	Description	Engr Init	By	Date



PROJECT NUMBER:
17-09



LEGEND:

GREEN LINES = 4" Conduit for 400 Amp Conductors

BLUE LINES = 2" Conduit for 200 Amp Conductors

RED LINES = New Control Panels Provided by Owner

TEAL LINE = 2" Conduit for Signal Cables

New 200 Amp Distribution Block Provided & Installed by AIC (Owner Provided Scope)

200 Amp Conductor Cables (No Conduit)

400 Amp Conductor Cables (No Conduit)

New Wall Mount Distribution Panel (Owner Provided)

Two (2) 200 Amp Feeder Breakers

New 75HP RVSS - Freestanding with Leg Kits & Nexicon Controller (Owner Provided)

New 75HP RVSS - Freestanding with Leg Kits (Owner Provided)

Obsolete Lugs & Metering

New RVSS with Nexicon Feeder Breaker Provided & Installed by AIC (Owner Provided Scope)

Incoming 4" Conduit from Existing 1600 Amp SWBD

Bid Date: TBD

Quote Number: 56-2025-0264

Re: Slate Creek Lift Station Pump Replacement - City of Grass Valley

We are pleased to provide the following lump sum proposal for work on the above reference project.

Basis of AIC Design Build Scope

- On-Site Review of the Existing Electrical Infrastructure and System Needs to Accomplish the Desired End Result
- Existing NEMA 3R 1600 Amp Switchboard Located Outside of the Electrical Room with a 400 Amp Distribution Breaker & 200 Amp Electronic Trip Unit Currently Feeding Power to the Existing MCC within the Electrical Room
- Existing Motor Control Center to Remain for the Purpose of Maintaining the 200 Amp ATS, On-Site Lighting Distribution and an Electrical Feeder Breaker Connection to One-(1) of the New AIC Manufactured 75HP RVSS Control Panels Flygt / Xylem (RVSS CP Unit with Nexicon Controller)
 - Desired Layout is for the Existing ATS & Existing Generator Remain and Power One-(1) of the Two-(2) Pumping Systems During a Power Outage
 - Existing Starters within the Motor Control Center will Become Obsolete During Construction

Bid Document Information

- **11 PDF pages provided with project name, “Concertor/N3000 Universal Pump Control Panel” (Drawing Number ESS-E01417-1500 Sheets 1 thru 10)**
 - AIC is Using these Standard Flygt / Xylem Control Panels as a Basis of Design and then Upsizing All Associated Components to Align with the 72HP / 480V Pumps being Provided (Enclosures will be Freestanding with Leg Kits, Circuit Breakers Upsized, RVSS Starters, Etc.)
- **City of Grass Valley Plans (Sheets 1 thru 6) – (Mechanical Design & Site Overviews)**
- **Specification “Special Provisions” for Electrical Begin on Page 48 of 56**

Item	Qty	Description	Reference
1.	Lot	Existing 1600 Amp Switchboard Adjustments to include: <ul style="list-style-type: none"> • AIC to Reset Existing 400 Amp Circuit Breaker Electronic Trip Unit to 400 Amp (Currently Set to 200 Amps for Connection with Existing 200 Amp MCC) 	Addendum Drawings & Notes Based on Design Build Review
2.	Lot	Product Reconfiguration of the Existing Motor Control Center to include: <ul style="list-style-type: none"> • <u>AIC will Supply and Install Associated New Components as Required</u> <ul style="list-style-type: none"> ○ One-(1) 150 Amp Thermal Magnetic Circuit Breaker (Feeder to Nexicon RVSS CP) ○ One-(1) Circuit Breaker Standoff Bracket ○ One-(1) Circuit Breaker External Disconnect Handle with Extension Connector ○ One-(1) 200 Amp Distribution Block 	Addendum Drawings & Notes Based on Design Build Review
3.	1	Distribution Breaker Cabinet to include: <ul style="list-style-type: none"> • Wall Mount NEMA 12 – Powder Coated Steel Enclosure • Two-(2) 200 Amp Thermal Magnetic Circuit Breakers • Nameplates and Associated Wiring as Required 	Addendum Drawings & Notes Based on Design Build Review

Item	Qty	Description	Reference
4.	1	<p>Pump 1 – Nexicon RVSS Control Panel to include:</p> <ul style="list-style-type: none"> • Freestanding NEMA 12 – Powder Coated Steel Enclosure with Leg Kit • 150 Amp Power Defense Circuit Breaker with External Disconnect Handle • Distribution Circuit Breakers as Required • 75HP Reduced Voltage Solid State 'RVSS' Starter with Programmable Keypad • Pump Controls: <ul style="list-style-type: none"> ○ Push-Buttons ○ Indicating Lights ○ HOA Switch • 500VA Transformer • <u>Room for Flygt / Xylem Provided Equipment to be Installed by AIC:</u> <ul style="list-style-type: none"> ○ One-(1) Surge Protect Pro ○ One-(1) 7" Concertor HMI ○ One-(1) Nexicon Backplane XBP251 ○ One-(1) Nexicon Supply Module XBP 251 ○ One-(1) Nexicon Application Manager Module XAM 912 ○ Two-(2) Nexicon Modules for DOL FPM 711 ○ Two-(2) Nexicon Power Redundancy Modules ○ Two-(2) Current Transformers • 24VDC Power Supply • 24VDC Power Supply Redundancy Module • 20 Amp UPS Module • Two-(2) 12 Volt Rechargeable Batteries with Brackets • Analog Intrinsically Safe Barrier – 2 Channel • Intrinsically Safe Barrier – 2 Channel • Exterior Mounted Dome Light • Panel Heater • Nameplates, Terminal Blocks and Relays as Required 	<p><u>Drawing(s):</u> Flygt / Xylem Sheets 1 thru 10</p> <p>*Modifications to Example Design Drawings by AIC*</p> <p><u>Spec(s)</u> Flygt / Xylem BOM on Sheet 10</p> <p>*Modifications to Example Design BOM by AIC*</p>
5.	1	<p>Pump 2 – RVSS Control Panel to include:</p> <ul style="list-style-type: none"> • Freestanding NEMA 12 – Powder Coated Steel Enclosure with Leg Kit • 150 Amp Power Defense Circuit Breaker with External Disconnect Handle • Distribution Circuit Breakers as Required • 75HP Reduced Voltage Solid State 'RVSS' Starter with Programmable Keypad • Pump Controls: <ul style="list-style-type: none"> ○ Push-Buttons ○ Indicating Lights ○ HOA Switch • 500VA Transformer • Exterior Mounted Dome Light • Panel Heater • Nameplates, Terminal Blocks and Relays as Required 	<p><u>Drawing(s):</u> Flygt / Xylem Sheets 1 thru 10</p> <p><u>Spec(s)</u> Flygt / Xylem BOM on Sheet 10</p>

Item	Qty	Description	Reference
6.	1	Pressure Gauge with Diaphragm Seal to include: 1. PI	<u>Drawing(s)</u> : Grass Valley Plans Sheet 5 Note 20 Sheet 6 Detail B <u>Spec(s)</u> Flygt / Xylem BOM Item 53
7.	Lot	Spare Parts to include: <ul style="list-style-type: none"> <u>Special Provisions Page 54 of 56</u> <ul style="list-style-type: none"> Three-(3) Fuses of Each Size and Type Provided by AIC Ten-(10) Indicating Light Bulbs of Each Size and Type Provided by AIC 	<u>See Defined Spec</u>
Associated Professional Services			
	Lot	<ul style="list-style-type: none"> Project Management Engineering Activities <ul style="list-style-type: none"> Submittals, Testing Forms and O&M Manuals Seismic Calculations for AIC Supplied Control Panels (Spec. Special Provisions Page 50 of 56, Part 10-1.21.5) Interconnection Wiring Diagrams for AIC Supplied Equipment (Spec. Special Provisions Page 51 of 56, Part 10-1.21.8) Production and Manufacturing Activities <ul style="list-style-type: none"> Equipment Procurement Assembly, Wire and Testing of AIC Provided Equipment Field Activities <ul style="list-style-type: none"> On-Site Start-Up, Testing and Configuration of AIC Provided Equipment Eight-(8) Hours of Training for AIC Supplied Equipment (Spec. Special Provisions Page 55 of 56, Part 10-1.21.18) 	
Project Total (Prices Include NO Applicable Sales Tax – Freight Included) =			\$To Follow