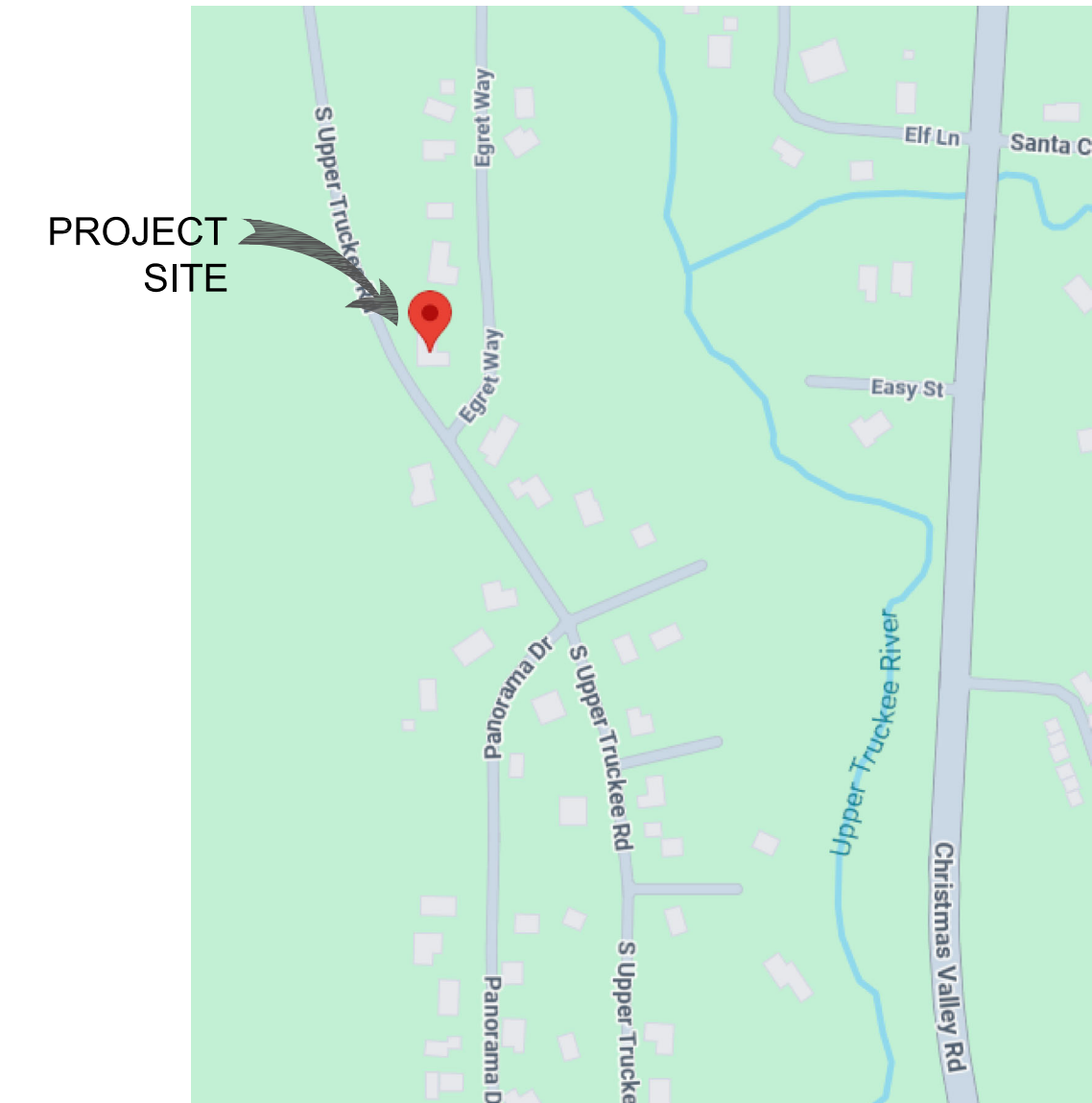


SOUTH TAHOE PUBLIC UTILITY DISTRICT SOUTH UPPER TRUCKEE WELL PUMP REPLACEMENT PROJECT



LOCATION MAP
N.T.S.



VICINITY MAP
N.T.S.

BOARD OF DIRECTORS
SOUTH TAHOE PUBLIC UTILITY DISTRICT

DIRECTORS:

NICK EXLINE
NICK HAVEN
JOEL HENDERSON
SHANE ROMSOS
KELLY SHEEHAN

GENERAL MANAGER:

PAUL HUGHES

AGENCY & UTILITY CONTACTS

SOUTH TAHOE PUBLIC UTILITY DISTRICT
(530) 544-6474

CALTRANS 24 HOUR EMERGENCY
(530) 426-7600
(916) 859-7900

SOUTH LAKE TAHOE POLICE DEPARTMENT
(530) 542-6100
POLICE DISPATCH
(530) 542-6110

EL DORADO COUNTY SHERIFF'S OFFICE
NON EMERGENCY
(530) 573-3000

EL DORADO COUNTY DEPARTMENT OF TRANSPORTATION
(530) 642-4909

EL DORADO COUNTY ENVIRONMENTAL MANAGEMENT
(530) 573-3450

TAHOE REGIONAL PLANNING AGENCY
(530) 588-4547

SOUTHWEST GAS (NATURAL GAS)
(800) 772-4555

CHARTER COMMUNICATIONS INC. (CABLE TV)
(775) 588-1077

LIBERTY ENERGY (ELECTRIC)
(530) 541-1628
(775) 689-4100 COLLECT

ATT/SBC (TELEPHONE)
611 (PRESS "0" FOUR TIMES)
(800) 310-2355 OPTION #2

LAKE VALLEY FIRE PROTECTION DISTRICT
(530) 577-3737

LIST OF DRAWINGS

| SHEET | DRAWING | DESCRIPTION |
|-------|---------|-----------------|
| 1 | T-1 | TITLE SHEET |
| 2 | G-1 | GENERAL NOTES |
| 3 | C-1 | DEMOLITION PLAN |
| 4 | M-1 | MECHANICAL PLAN |
| 5 | E-1 | ELECTRICAL PLAN |



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|----------------------------|-------------------------|
| SCALE VARIES | DATE 1/21/2026 |
| DESIGNED BY MARK SEELOS | DRAWN BY MARK SEELOS |
| AS-BUILT DRAWN BY | AS-BUILT DATE |



SOUTH TAHOE PUBLIC UTILITY DISTRICT

1275 MEADOW CREST DRIVE
SOUTH LAKE TAHOE, CALIFORNIA 96150
PHONE (530) 544-6474 FAX (530) 541-4319
WWW.STPUD.US

**SOUTH UPPER TRUCKEE WELL
PUMP REPLACEMENT**

TITLE SHEET

T-1
1 OF 05 SHEETS

PROJECT CODE
SUTVTP

ABBREVIATIONS

| | |
|------|--------------------------|
| EL | ELEVATION |
| FF | FINISHED FLOOR |
| JBOX | JUNCTION BOX |
| MCC | MOTOR CONTROL CENTER |
| PSH | HIGH PRESSURE SWITCH |
| SUT | SOUTH UPPER TRUCKEE WELL |
| SV | SOLENOID VALVE |
| V | VOLTS |
| # | WIRE GAUGE IN AWG |

GENERAL NOTES

- THE FOLLOWING GENERAL NOTES ARE GENERAL AND APPLY TO ALL SHEETS OF THESE CONTRACT DOCUMENTS AS IF THEY WERE WRITTEN IN THEIR ENTIRETY ON EACH SHEET.
- CONTRACTOR SHALL HAVE SIGNED PLANS, SPECIFICATION AND PERMITS IN THEIR POSSESSION PRIOR TO COMMENCEMENT OF WORK.
- CONTRACTOR TO BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING MONUMENTS AND ANY OTHER SURVEY MARKERS DURING CONSTRUCTION. ALL SUCH MONUMENTS OR MARKERS DISTURBED OR DESTROYED DURING CONSTRUCTION SHALL BE REPLACED BY A CALIFORNIA LICENSED SURVEYOR AT CONTRACTOR'S EXPENSE.
- IF NECESSARY, PRIOR TO CONSTRUCTION ACTIVITY THE CONTRACTOR SHALL SUBMIT TO THE DISTRICT FOR ACCEPTANCE A PROJECT SPECIFIC TRAFFIC CONTROL PLAN FOR HANDLING TRAFFIC THROUGH THE PROJECT SITE. ALL TRAFFIC CONTROL MEASURES SHALL MEET OR EXCEED THE REQUIREMENTS OUTLINED IN THE STATE OF CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (2014). ALL ADVANCE WARNING SIGNS SHALL BE A 48" BY 48" MINIMUM. A FLAGGER SHALL BE LOCATED FAR ENOUGH IN ADVANCE OF THE WORK AREA AS TO SLOW OR STOP TRAFFIC THROUGH THE WORK AREA. ALL PORTABLE DELINEATORS SHALL BE PLACED A MAXIMUM OF 20 FEET APART.
- UNLESS DETAILED, SPECIFIED, OR OTHERWISE INDICATED ON THE DRAWINGS, CONSTRUCTION SHALL BE AS INDICATED IN THE APPLICABLE TYPICAL DETAILS AND GENERAL NOTES. TYPICAL DETAILS SHALL APPLY EVEN THOUGH NOT REFERENCED AT SPECIFIC LOCATIONS ON THE DRAWINGS.
- WHERE NO CONSTRUCTION DETAILS ARE SHOWN OR NOTED FOR ANY PART OF WORK, DETAILS SHALL BE THE SAME AS FOR OTHER SIMILAR WORK.
- THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT FROM DAMAGING EXISTING FACILITIES AND UTILITIES SHOWN OR NOT SHOWN THAT ARE TO REMAIN IN PLACE. ALL FACILITIES DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE EXPEDITIOUSLY REPAIRED OR RECONSTRUCTED TO THE ORIGINAL OR BETTER CONDITION AT THE CONTRACTOR'S EXPENSE WITHOUT ADDITIONAL COMPENSATION.
- UNLESS OTHERWISE INDICATED IN THE DRAWINGS AND SPECIFICATIONS, THE CONTRACTOR SHALL ABIDE BY THE FOLLOWING TRAFFIC CONDITIONS. CONTRACTOR SHALL MAINTAIN THE CONTINUOUS FLOW OF TRAFFIC AT ALL TIMES DURING CONSTRUCTION ACTIVITY. AFTER WORKING HOURS ALL TRAFFIC BARRIERS SHALL BE REMOVED AND TRAFFIC RETURNED TO NORMAL.
- CONTRACTORS EQUIPMENT AND EMPLOYEE VEHICLES SHALL PARK ON EXISTING PAVED SURFACES OR EXISTING COMPACTED ROAD SHOULDERS. NO PARKING OFF PAVED SURFACES WHEN COVERED WITH SNOW OR MUDDY CONDITIONS EXIST. NO EQUIPMENT OR VEHICLES SHALL BE PLACED OUTSIDE THE STATE, CITY, OR COUNTY RIGHT OF WAY. ANY DISTURBANCE OF PRIVATE PROPERTY SHALL BE RESTORED BY THE CONTRACTOR AT THEIR EXPENSE.
- ALL SIGNAGE REMOVED OR DAMAGED SHALL BE REPLACED TO CURRENT STANDARDS.
- THE CONTRACTOR SHALL TAKE SPECIAL PRECAUTIONS IN THE VICINITY OF ANY OVERHEAD ELECTRICAL LINES. CONTRACTOR SHALL ABIDE BY THE NATIONAL ELECTRIC CODE AND ANY REQUIREMENT BY THE OWNER OF THE ELECTRICAL LINES.

BMP GENERAL NOTES

- ON-SITE WORK SHALL BE PERFORMED FROM 8 AM TO 6 PM, MONDAY THROUGH FRIDAY. WORK OUTSIDE THESE HOURS MUST BE APPROVED BY THE DISTRICT A MINIMUM OF 48-HOURS BEFORE THE ABNORMAL WORKING HOURS ARE SCHEDULED TO BEGIN.
- ALL STAGING OF EQUIPMENT AND MATERIALS SHALL BE DONE ONSITE USING PAVED AREAS ONLY.
- NOISE SHALL BE REDUCED BY MANDATORY USE OF MUFFLERS ON ALL CONSTRUCTION VEHICLES AND EQUIPMENT.
- NOISE GENERATING ACTIVITIES WILL BE LIMITED TO THE HOURS OF 8:00 AM TO 6:00 PM.
- CONTRACTOR SHALL PROVIDE CRUSHED ROCK IN AREAS OF TEMPORARY CONSTRUCTION ACCESS TO MINIMIZE MIGRATION OF SEDIMENT.
- ALL DISTURBED AREAS SHALL BE RESTORED TO MATCH PRE-EXISTING CONDITIONS. UNIMPROVED AREAS AND AREAS NOT LANDSCAPED SHALL BE REVEGETATED WITH NATIVE SPECIES PER TRPA BEST MANAGEMENT PRACTICES (BMP). EXISTING VEGETATION REMOVED DURING CONSTRUCTION SHALL BE CHIPPED AND MULCHED ON SITE AND STORED FOR USE DURING REVEGETATION.
- ALL TREES IN JEOPARDY OF DAMAGE BY CONSTRUCTION ACTIVITIES AS DETERMINED BY THE DISTRICT SHALL BE PROTECTED BY TRPA STANDARDS.
- SOIL AND CONSTRUCTION MATERIAL SHALL NOT BE TRACKED OFF THE CONSTRUCTION SITE. GRADING OPERATIONS SHALL CEASE IN THE EVENT THAT DANGER OF VIOLATING THIS CONDITION EXISTS.
- DURING CONSTRUCTION, ENVIRONMENTAL PROTECTION DEVICES, SUCH AS EROSION CONTROL, DUST CONTROL AND VEGETATION PROTECTION DEVICES SHALL BE MAINTAINED AT ALL TIMES.
- ALL EXCESS MATERIAL FROM THE PROJECT IS TO BE REMOVED FROM THE SITE AND DISPOSED OF AT A SITE APPROVED BY THE DISTRICT.
- ONLY EQUIPMENT OF A SIZE AND TYPE THAT WILL DO THE LEAST AMOUNT OF DAMAGE, UNDER PREVAILING SITE CONDITIONS AND CONSIDERING THE NATURE OF THE WORK TO BE PERFORMED, WILL BE USED.
- NO WASHING OF VEHICLES OR HEAVY EQUIPMENT SHALL BE PERMITTED ANYWHERE ON THE SUBJECT PROPERTY.
- NO VEHICLE OR HEAVY EQUIPMENT SHALL BE ALLOWED IN A STREAM ENVIRONMENT ZONE (SEZ) OR WET AREA EXCEPT AS AUTHORIZED BY TRPA.
- THE CONTRACTOR SHALL PROTECT AND BE RESPONSIBLE FOR ANY DISTURBANCE OR CONTAMINATION TO ANY DRY WELLS, STORM WATER COLLECTION OR RETAINAGE SYSTEMS INCLUDING STORM DRAIN PIPE, CURB & GUTTER, VALLEY GUTTERS AND HORIZONTAL DRAINS THROUGH OUT THE PROJECT AREA. ANY DAMAGE SHALL BE REPAIRED AT NO ADDITIONAL COST TO DISTRICT. THE CONTRACTOR SHALL NOT STOCK PILE ANY MATERIAL UPON ANY DRAINAGE FACILITIES.

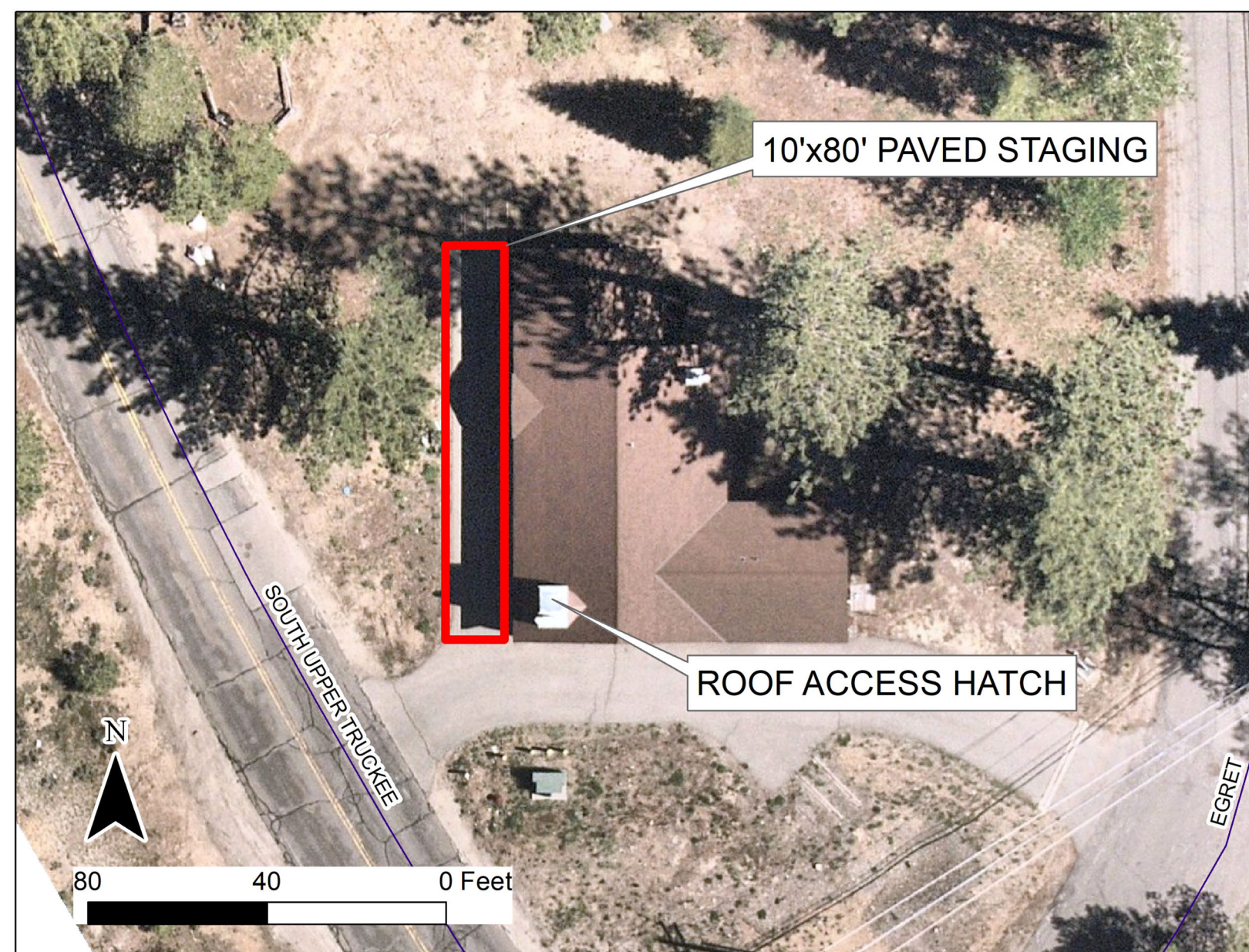
WELL STATION GENERAL NOTES

- THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION, INCLUDING WELL HEAD CONFIGURATION, EXISTING ANSI FLANGE DIMENSIONS, AVAILABLE CLEARANCES, CONDUIT ROUTING, AND INTERFACES WITH EXISTING MECHANICAL AND ELECTRICAL EQUIPMENT. ANY DISCREPANCIES BETWEEN FIELD CONDITIONS AND THE CONTRACT DOCUMENTS SHALL BE REPORTED TO THE ENGINEER PRIOR TO PROCEEDING WITH WORK. THE DISTRICT ASSUMES NO LIABILITY FOR COSTS INCURRED DUE TO FAILURE TO FIELD VERIFY.
- THE EXISTING DISCHARGE HEAD SHALL BE DEMOLISHED AND REMOVED IN A MANNER THAT PROTECTS THE WELL, CASING, EXISTING PIPING, CONDUIT, AND ELECTRICAL EQUIPMENT THAT REMAINS IN SERVICE. ANY DAMAGE TO EXISTING FACILITIES CAUSED BY THE CONTRACTOR SHALL BE REPAIRED OR REPLACED AT NO COST TO THE DISTRICT.
- THE CONTRACTOR SHALL FURNISH AND INSTALL A NEW VERTICAL TURBINE PUMP THAT MOUNTS TO THE EXISTING ANSI FLANGE. ALL MEASUREMENTS SHALL BE FIELD VERIFIED PRIOR TO FABRICATION. THE PUMP INSTALLATION SHALL INCLUDE ALL HARDWARE, SUPPORTS, AND INCIDENTAL ITEMS REQUIRED FOR A COMPLETE AND OPERABLE INSTALLATION.
- THE CONTRACTOR SHALL INSTALL THE PUMP PRE-LUBRICATION SYSTEM IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND SPECIFICATION M1, INCLUDING ALL PIPING, VALVES, SOLENOID VALVES, INSTRUMENTATION, FITTINGS, AND SUPPORTS REQUIRED FOR A FUNCTIONAL SYSTEM. THE PRE-LUBRICATION SYSTEM SHALL BE LEAK TESTED AND DEMONSTRATED LEAK FREE PRIOR TO ACCEPTANCE.
- ALL UNISTRUT, PIPE, AND CONDUIT SUPPORTS SHALL BE ANCHORED TO EXISTING CONCRETE USING APPROVED MECHANICAL EXPANSION ANCHORS OR ADHESIVE ANCHORS INSTALLED PER MANUFACTURER REQUIREMENTS AND ICC-ES APPROVALS. MINIMUM EMBEDMENT SHALL BE 2.5 INCHES. FAILED OR ABANDONED ANCHOR HOLES SHALL BE FILLED WITH NON-SHRINK GROUT.
- THE CONTRACTOR SHALL INSTALL NEW CONDUIT AND PULL CONDUCTORS FOR MOTOR RTDS AS SHOWN. CONDUCTORS FOR THE PRE-LUBRICATION SOLENOID VALVE SHALL BE PULLED THROUGH EXISTING PRESSURE SWITCH CONDUIT. CONDUCTORS FOR THE MOTOR SPACE HEATER SHALL BE PULLED THROUGH EXISTING WELL PUMP LEAD CONDUIT. ALL CONDUCTORS SHALL BE CONTINUOUS, LABELED, AND SUITABLE FOR THE ENVIRONMENT.
- THE CONTRACTOR SHALL TERMINATE ALL NEW CONDUCTORS AT THE CONTROL PANEL OR MCC ONLY. FINAL TERMINATIONS, CONTROLS INTEGRATION, PROGRAMMING, AND COMMISSIONING SHALL BE PERFORMED BY DISTRICT ELECTRICIANS. NO WORK BEYOND THE SPECIFIED TERMINATION POINTS IS INCLUDED IN THE CONTRACTOR'S SCOPE.
- ALL ELECTRICAL WORK SHALL COMPLY WITH NEC, NFPA, OSHA, NEMA, AND UL REQUIREMENTS. WET-RATED MATERIALS SHALL BE USED WHERE EXPOSED TO MOISTURE. POWER AND SIGNAL CONDUCTORS SHALL BE ROUTED AND SEPARATED AS REQUIRED BY CODE AND GOOD PRACTICE.
- THE CONTRACTOR SHALL COORDINATE ALL SHUTDOWNS, OUTAGES, AND TIE-INS WITH THE DISTRICT IN ADVANCE. NO SYSTEM SHALL BE REMOVED FROM SERVICE WITHOUT PRIOR APPROVAL FROM THE DISTRICT.
- THE CONTRACTOR SHALL MAINTAIN A CLEAN AND SAFE WORK AREA AT ALL TIMES. DEMOLITION DEBRIS AND REMOVED MATERIALS SHALL BE LEGALLY DISPOSED OF OFFSITE. DUST, NOISE, AND DEBRIS SHALL BE CONTROLLED IN ACCORDANCE WITH APPLICABLE REGULATORY REQUIREMENTS.
- THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, EQUIPMENT, AND INCIDENTAL ITEMS REQUIRED FOR A COMPLETE AND FUNCTIONAL INSTALLATION, WHETHER OR NOT SPECIFICALLY SHOWN OR CALLED OUT, UNLESS EXPLICITLY NOTED OTHERWISE IN THE CONTRACT DOCUMENTS.

RIG ACCESS (TYPICAL)



STAGING AREA

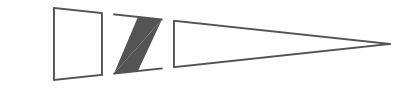


EXISTING DISCHARGE MANIFOLD

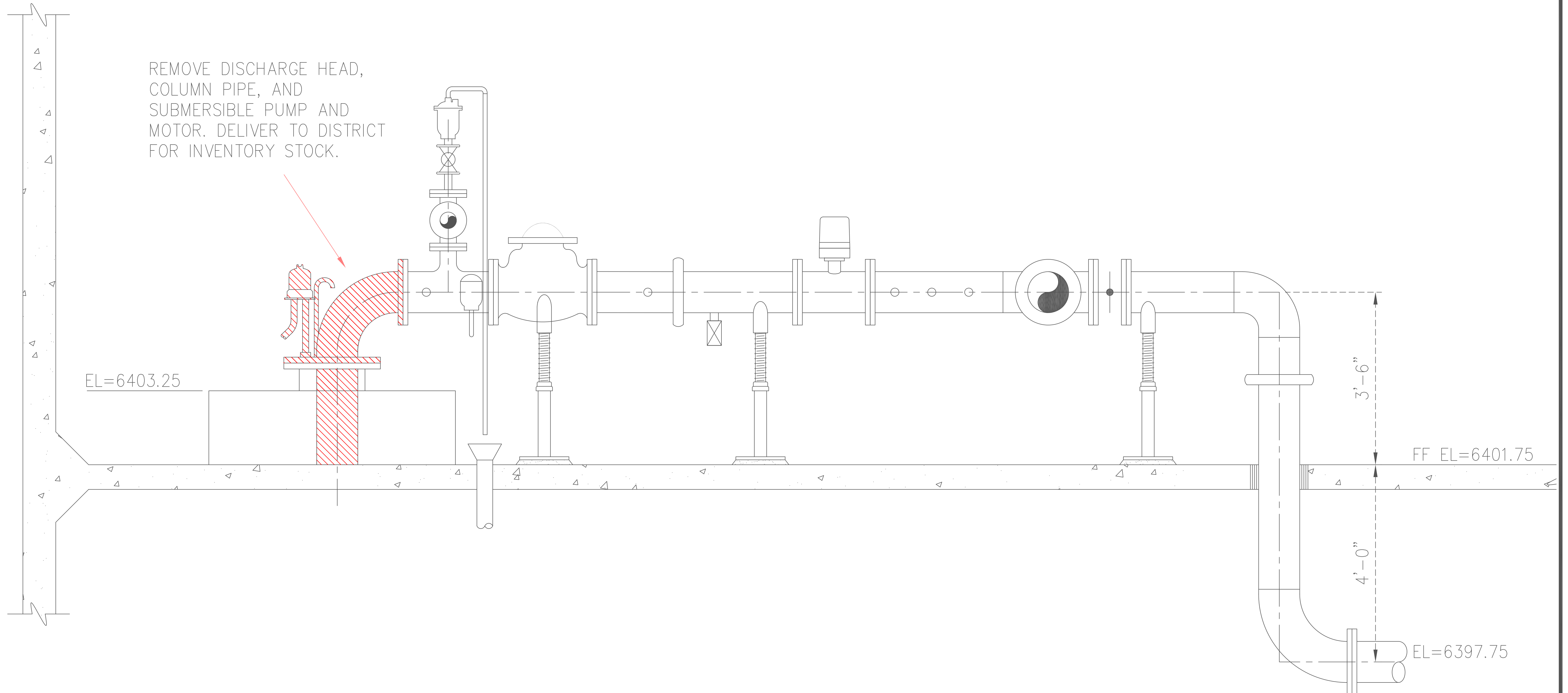


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| | △ | BY | DATE | REVISION | APPROVED | DATE | SCALE 1" = 1' | DATE 1/21/2026 | | | SOUTH TAHOE PUBLIC UTILITY DISTRICT 1275 MEADOW CREST DRIVE SOUTH LAKE TAHOE, CALIFORNIA 96150 PHONE (530) 544-6474 FAX (530) 541-4319 WWW.STPUD.US | SOUTH UPPER TRUCKEE WELL PUMP REPLACEMENT GENERAL NOTES | G-1 | |
| | | | | | | | | | | | | | 2 OF 05 SHEETS | |
| | | | | | | | | | | | | | PROJECT CODE SUTVTP | |

DEMOLITION PLAN



REMOVE DISCHARGE HEAD,
COLUMN PIPE, AND
SUBMERSIBLE PUMP AND
MOTOR. DELIVER TO DISTRICT
FOR INVENTORY STOCK.



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| SCALE 1" = 1' | DATE 1/21/2026 |
| DESIGNED BY Mark Seelos | DRAWN BY Mark Seelos |
| AS-BUILT DRAWN BY | AS-BUILT DATE |



SOUTH TAHOE PUBLIC UTILITY DISTRICT



1275 MEADOW CREST DRIVE
SOUTH LAKE TAHOE, CALIFORNIA 96150
PHONE (530) 544-6474 FAX (530) 541-4319
WWW.STPUD.US

SOUTH UPPER TRUCKEE WELL
PUMP REPLACEMENT

DEMOLITION PLAN

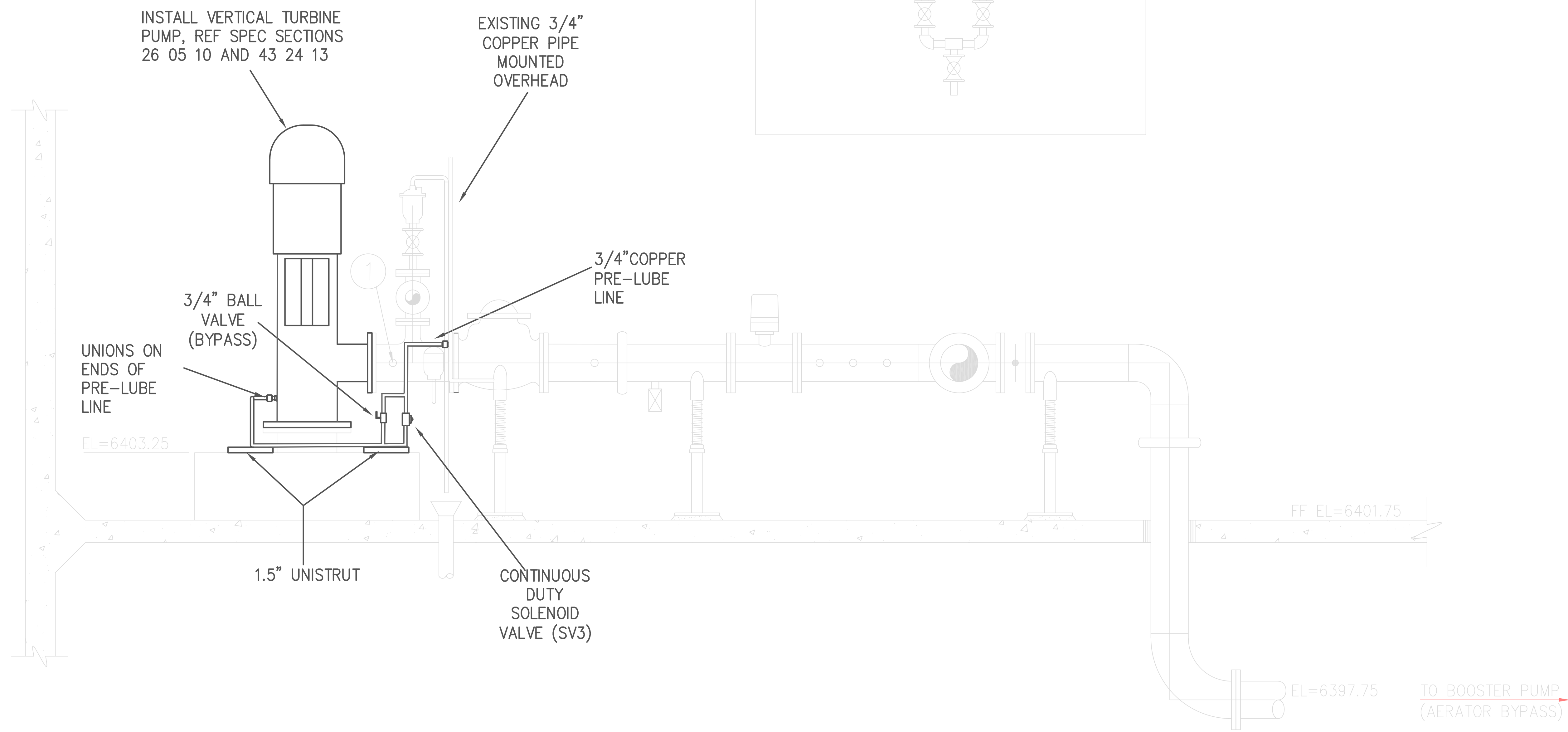
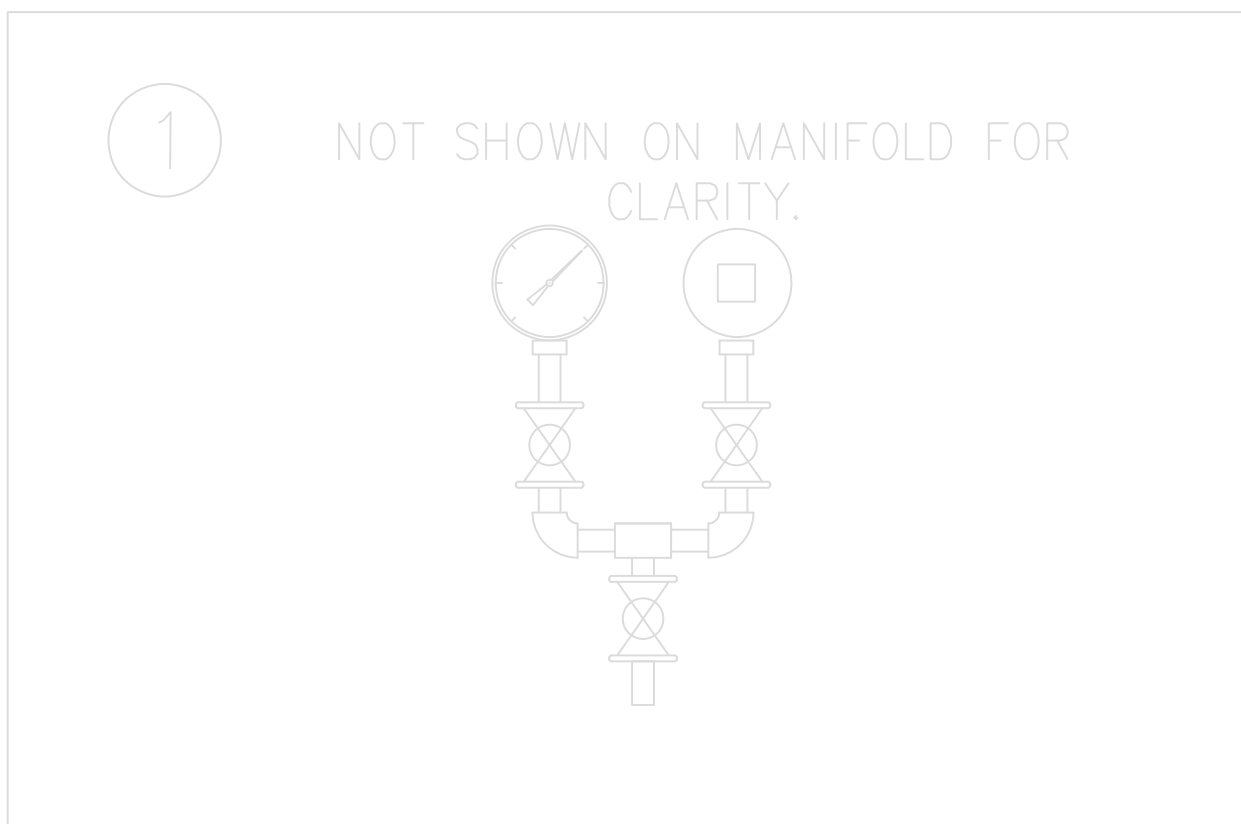
C-1
3 OF 05 SHEETS

PROJECT CODE
SUTVTP



NOTES:
 GREY COMPONENTS ARE EXISTING.
 BLACK COMPONENTS ARE MODIFICATIONS.

CONTRACTOR SHALL FIELD VERIFY ALL MEASUREMENTS TO ENSURE COMPATIBILITY OF VERTICAL TURBINE PUMP WITH EXISTING MANIFOLD.



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3/4" SCALE
 3/4" = 1'

DATE 2025-01-16

DESIGNED BY Mark Seelos

DRAWN BY Mark Seelos

AS-BUILT DRAWN BY

AS-BUILT DATE



SOUTH TAHOE PUBLIC UTILITY DISTRICT

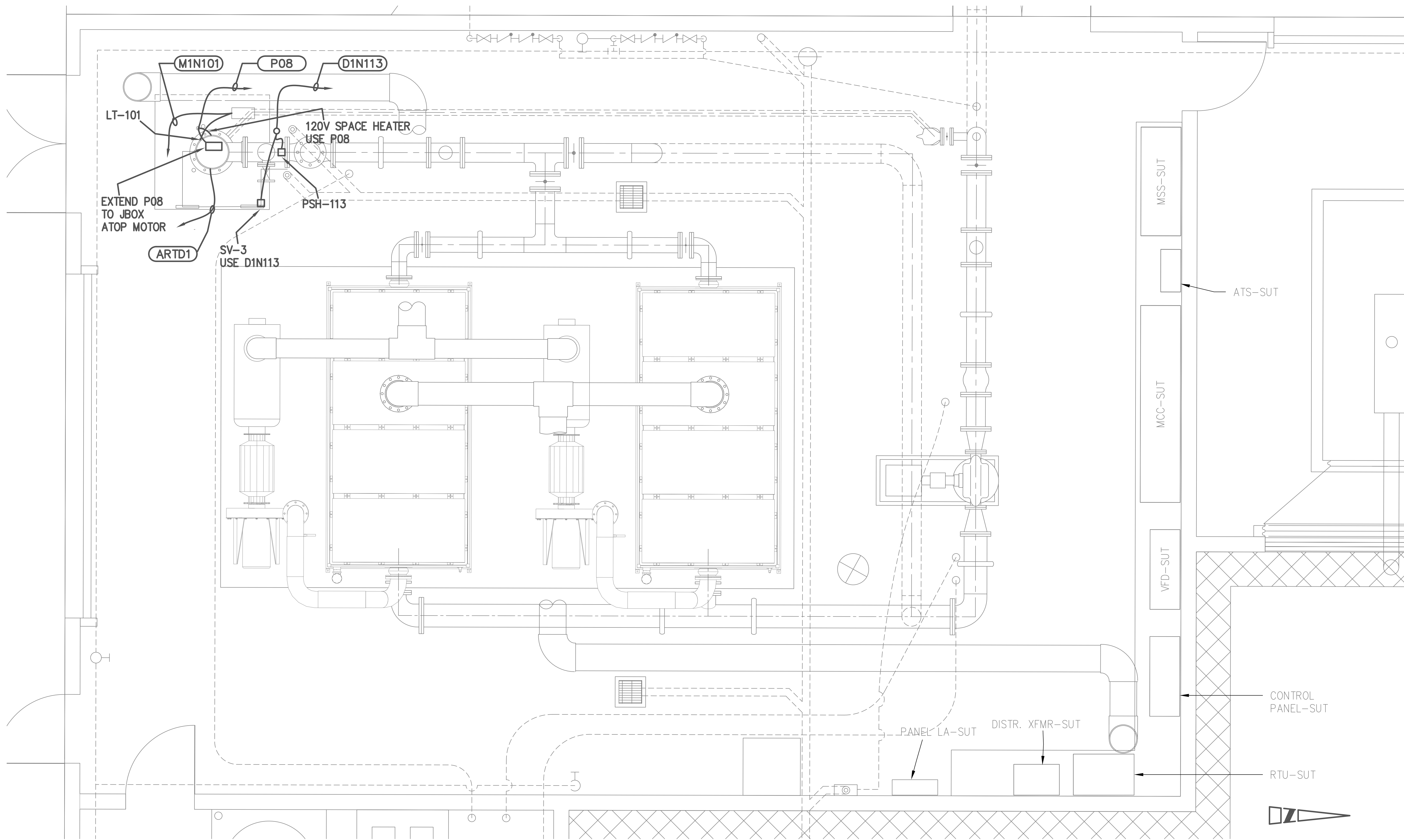
1275 MEADOW CREST DRIVE
 SOUTH LAKE TAHOE, CALIFORNIA 96150
 PHONE (530) 544-6474 FAX (530) 541-4319
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SOUTH UPPER TRUCKEE WELL PUMP REPLACEMENT

MECHANICAL PLAN

M-1
 4 OF 05 SHEETS

PROJECT CODE
SUTVTP



| BY | DATE | REVISION | APPROVED | DATE |
|----|------|----------|----------|------|
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1/2" = 1'
 SCALE
 DATE 1/21/2026
 DESIGNED BY Mark Seelos
 DRAWN BY Mark Seelos
 AS-BUILT DRAWN BY AS-BUILT DATE



SOUTH TAHOE PUBLIC UTILITY DISTRICT
 1275 MEADOW CREST DRIVE
 SOUTH LAKE TAHOE, CALIFORNIA 96150
 PHONE (530) 544-6474 FAX (530) 541-4319
 WWW.STPUD.US



SOUTH UPPER TRUCKEE WELL PUMP REPLACEMENT
ELECTRICAL PLAN

E-1
 5 OF 05 SHEETS
 PROJECT CODE SUTVTP