



SOUTH TAHOE PUBLIC UTILITY DISTRICT
REGULAR BOARD MEETING AGENDA
Thursday, January 18, 2024 - 2:00 p.m.
District Board Room
1275 Meadow Crest Drive, South Lake Tahoe, California

David Peterson, President
Nick Haven, Director

BOARD MEMBERS
Shane Romsos, Vice President

Kelly Sheehan, Director
Nick Exline, Director

Paul Hughes, General Manager

Andrea Salazar, Chief Financial Officer

1. **CALL TO ORDER REGULAR MEETING – PLEDGE OF ALLEGIANCE** (At this time, please silence phones and other electronic devices so as not to disrupt the business of the meeting.)
2. **COMMENTS FROM THE PUBLIC** (This is an opportunity for members of the public to address the Board on any short non-agenda items that are within the subject matter jurisdiction of the District. No discussion or action can be taken on matters not listed on the agenda, per the Brown Act. Each member of the public who wishes to comment shall be allotted five minutes, and no more than four individuals shall address the same subject.)
3. **CORRECTIONS TO THE AGENDA OR CONSENT CALENDAR** (For purposes of the Brown Act, all Action and Consent items listed give a brief description of each item of business to be transacted or discussed. Recommendations of the staff, as shown, do not prevent the Board from taking other action.)
4. **ADOPTION OF CONSENT CALENDAR** (Any item can be removed to be discussed and considered separately upon request. Comments and questions from members of the public, staff or Board can be taken when the comment does not necessitate separate action.)
5. **CONSENT ITEMS BROUGHT FORWARD FOR SEPARATE DISCUSSION/ACTION**
6. **STANDING AND AD-HOC COMMITTEES AND LIAISON REPORTS** (Discussions may take place; however, no action will be taken.)
7. **BOARD MEMBER REPORTS** (Discussions may take place; however, no action will be taken.)
8. **STAFF/ATTORNEY REPORTS** (Discussions may take place; however, no action will be taken.)
 - a. Water Conservation Update (Lauren Benefield, Water Conservation Specialist)
9. **GENERAL MANAGER REPORT** (Discussion may take place; however, no action will be taken.)
 - a. Staffing Update
10. **NOTICE OF PAST AND FUTURE MEETINGS/EVENTS**

Past Meetings/Events

12/21/2023 – 2:00 p.m. Regular Board Meeting at the District

01/10/2024 – 10:00 a.m. El Dorado Water Agency Meeting in Placerville

Future Meetings/Events

01/16/2024 – 3:30 p.m. Operations Committee Meeting at the District

01/17/2024 – 3:30 p.m. System Efficiency and Sustainability Committee at the District

02/01/2024 - 2:00 p.m. Regular Board Meeting at the District

11. **ITEMS FOR CLOSED SESSION** (The Board will adjourn to Closed Session to discuss items identified below. Closed Session is not open to the public; however, an opportunity will be provided at this time if members of the public would like to comment on any item listed – three minute limit.)

a. Pursuant to Government Code Section 54957.6(a)/Conference with Labor Negotiators re: Memorandum of Understanding with Stationary Engineers, Local 39. Present at this Closed Session will be Agency Negotiators: Paul Hughes, General Manager; Andrea Salazar, Chief Financial Officer; Liz Kauffman, Human Resources Director.

b. Pursuant to Government Code Section 54957.6(a)/Conference with Labor Negotiators re: Memorandum of Understanding with the Management Group. Present at this Closed Session will be Agency Negotiators: Paul Hughes/General Manager; Andrea Salazar, Chief Financial Officer; and Liz Kauffman, Human Resources Director

ADJOURNMENT (The next Regular Board Meeting is Thursday, February 1, 2024, at 2:00 p.m.)

The South Tahoe Public Utility District Board of Directors regularly meets the first and third Thursday of each month. A complete Agenda packet is available for review at the meeting and at the District office during the hours of 8:00 a.m. and 5:00 p.m., Monday through Friday. A recording of the meeting is retained for 30 days after Minutes of the meeting have been approved. Items on the Agenda are numbered for identification purposes only and will not necessarily be considered in the order in which they appear. Designated times are for particular items only. Public Hearings will not be called to order prior to the time specified, but may occur slightly later than the specified time.

Public participation is encouraged. Public comments on items appearing on the Agenda will be taken at the same time the Agenda items are heard; comments should be brief and directed to the specifics of the item being considered. Please provide the Clerk of the Board with a copy of all written materials presented at the meeting. Comments on items not on the Agenda can be heard during "Comments from the Audience;" however, action cannot be taken on items not on the Agenda.

Backup materials relating to an open session item on this Agenda, which are not included with the Board packet, will be made available for public inspection at the same time they are distributed or made available to the Board, and can be viewed at the District office, at the Board meeting and upon request to the Clerk of the Board.

The meeting location is accessible to people with disabilities. Every reasonable effort will be made to accommodate participation of the disabled in all of the District's public meetings. If particular accommodations are needed, please contact the Clerk of the Board at (530) 544-6474, extension 6203. All inquiries must be made at least 48 hours in advance of the meeting.



**SOUTH TAHOE PUBLIC UTILITY DISTRICT
CONSENT CALENDAR
Thursday, January 18, 2024**

ITEMS FOR CONSENT

a. WINTER STORMS EMERGENCY RESPONSE

(Paul Hughes, General Manager)

Pursuant to Public Contract Code Section 22050(c), continue the emergency action to respond to the Winter Storms Emergency pursuant to Resolution No. 3242-23.

b. SOUTH UPPER TRUCKEE WELL REHABILITATION PROJECT

(Mark Seelos, Water Resources Manager)

(1) Authorize an exception to competitive bidding procedure due to special circumstances, as allowed for in the Purchasing Policy; (2) Approve the proposed Scope of Work from Carson Pump to provide rehabilitation services for South Upper Truckee Well No. 3; and (3) Authorize staff to execute a Purchase Order with Carson Pump in the amount of \$76,540.

c. RECEIVE AND FILE PAYMENT OF CLAIMS (Greg Dupree, Accounting Manager)

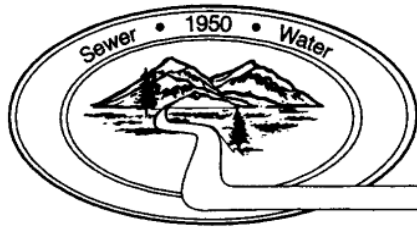
Receive and file Payment of Claims in the amount of \$3,347,852.93

d. REGULAR BOARD MEETING MINUTES: December 2, 2023 and December 21, 2023

(Melonie Guttry, Executive Services Manager/Clerk of the Board)

Approve December 2, 2023, and December 21, 2023, Minutes

General Manager
Paul Hughes



South Tahoe Public Utility District

Directors
Nick Haven
Shane Romsos
David Peterson
Kelly Sheehan
Nick Exline

1275 Meadow Crest Drive • South Lake Tahoe • CA 96150-7401
Phone 530 544-6474 • Fax 530 541-0614 • www.stpud.us

BOARD AGENDA ITEM 4a

TO: Board of Directors

FROM: Paul Hughes, General Manager

MEETING DATE: January 18, 2024

ITEM – PROJECT NAME: Winter Storms Emergency Response

REQUESTED BOARD ACTION: Pursuant to Public Contract Code Section 22050(c), continue the emergency action to respond to the Winter Storms Emergency pursuant to Resolution No. 3242-23.

DISCUSSION: The Board declared the Winter Storms Emergency Response as an emergency on March 16, 2023. District staff will provide an update to the Board regarding the status of the emergency.

Public Contract Code Section 22050(c) requires the Board to review the emergency action at every Board meeting thereafter until the emergency action is terminated. The Board must determine by a 4/5 vote that there is a need to continue the emergency action. District staff is requesting that the Board continue the emergency action for the response to the Winter Storms Emergency.

As you may recall, on March 9th, 2023, Governor Gavin Newsom proclaimed a state of emergency throughout California to support the recent winter storm events that hit the state. These storms caused widespread damage and disruption with heavy snow, freezing temperatures, and strong winds causing avalanches, debris flow, and flooding across the state. The emergency proclamation provides critical support for emergency relief efforts, including assistance for local response efforts to address the impacts of the winter storms.

The District has proactively tracked its storm-related expenses, including labor, parts, fuel, materials, and contractor assistance. Given the significant costs associated with responding to, and recovering from, these events, the District will be seeking reimbursement for eligible expenses through the Cal-OES Hazard Mitigation Assistance Program. Under this program, eligible costs may be reimbursed at a 75 percent state, and 25 percent local, cost share.

SCHEDULE: N/A

COSTS: \$1,400,000

ACCOUNT NO: N/A

BUDGETED AMOUNT AVAILABLE: N/A

ATTACHMENTS: Resolution No. 3242-23

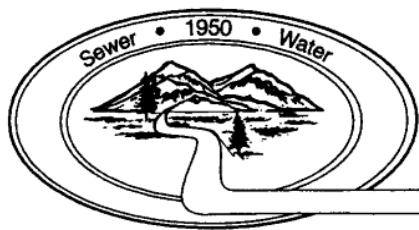
CONCURRENCE WITH REQUESTED ACTION:

CATEGORY: Sewer/Water

GENERAL MANAGER: YES AA NO _____

CHIEF FINANCIAL OFFICER: YES AS NO _____

General Manager
Paul Hughes



South Tahoe Public Utility District

Directors
Nick Haven
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BOARD AGENDA ITEM 4b

TO: Board of Directors

FROM: Mark Seelos, Water Resources Manager

MEETING DATE: January 18, 2024

ITEM – PROJECT NAME: South Upper Truckee Well Rehabilitation Project

REQUESTED BOARD ACTION: (1) Authorize an exception to competitive bidding procedure due to special circumstances, as allowed for in the Purchasing Policy; (2) Approve the proposed Scope of Work from Carson Pump to provide rehabilitation services for South Upper Truckee Well No. 3; and (3) Authorize staff to execute a Purchase Order with Carson Pump in the amount of \$76,540.

DISCUSSION: The District is implementing a Well Asset Management Program to maintain the reliability of its water supply system. Staff produced the 2023 Prioritization of Wells for Cleaning, Inspection, and Evaluation to identify high-priority projects. Rehabilitation of South Upper Truckee Well No. 3 received the highest ranking, and a rehabilitation project was scheduled for spring-summer 2024. Inspection of the downhole equipment and well casing in December 2023 showed an urgent need for rehabilitation, as described in a staff report presented to the Board of Directors on December 21, 2023.

District staff determined that the proposed rehabilitation work qualifies as excepted from the District's Purchasing Policy's requirement of formal competitive solicitation under Exception No. 4 (special circumstance).

Staff conducted an informal Bid Process to obtain quotes for rehabilitation services. The attached Scope of Work was provided to seven contractors. Two contractors declined to quote, four did not respond, and one (Carson Pump) provided a quote in the amount of \$76,540. Staff determined that this is a fair price, as it is considerably less than the Engineer's Estimate of \$228,019, which was based on unit costs of similar work previously completed for the District by various well contractors.

SCHEDULE: April-June 2024, weather dependent

COSTS: \$76,540

ACCOUNT NO: 20.30.8481

BUDGETED AMOUNT AVAILABLE: \$150,000

ATTACHMENTS: (1) Scope of Work provided to contractors, (2) Quote provided by Carson Pump

CONCURRENCE WITH REQUESTED ACTION:

CATEGORY: Water

GENERAL MANAGER: YES AA NO _____

CHIEF FINANCIAL OFFICER: YES AS NO _____

SCOPE OF WORK

South Upper Truckee Well No. 3 Inspection and Rehabilitation Project

Updated 12/1/2023

1. Background

1.1. Well Information

The South Tahoe Public Utility District (District) supplies drinking water to the South Lake Tahoe Area, with over 14,000 service connections. The District is 100% reliant on groundwater sources to meet its water system demands, with eleven active production wells, and three standby wells that are used only for emergency purposes only. South Upper Truckee Well No. 3 (South Upper Truckee Well) is an active production well located in a residential neighborhood at 3140 Egret Way in South Lake Tahoe, California. The well site consists of an appx. 2,800 square foot wellhouse located on a 0.58-acre parcel (APN: 365-81-001) (Appendix A). Well construction information is summarized in Table 1. A site plan is given in Appendix B.

Item	Description
Construction Year	2004
Boring Depth, ft. bgs	358
Completed Well Depth, ft. bgs	320
Well Casing	15.5" ID x 0.25" wall Type 304 Stainless Steel
Conductor Casing, inches	30
Borehole Diameter, inches	26
Well Screen	Wire Wrapped Type 304 Stainless Steel, 0.04" and 0.05" slots.
Screen Intervals, ft. bgs	(1) 70-90, (2) 160-180, (3) 220-240, (4) 260-270, (5) 280-310
Sand Pack Type	8x20 and 8x16 Oglebay Norton Filter Pack Gravel.
Sanitary Seal Interval	0-50 ft. bgs
Filter Pack Interval	56-315 ft. bgs
Cement-Bentonite Grout	50-54 ft. bgs

Table 1: Summary of South Upper Truckee Well No. 3 Construction

The design yield of the well is 1,400 gallons per minute (gpm). The well is typically only operated during the summer months to supplement demand in the Meyers area. The static water level is typically approximately 20 ft. bgs, and the average pumping water level is 45 ft. bgs. The most recent specific capacity measurement, measured during a two-hour pumping test on 10/26/2022, was 44.36 gpm/ft of drawdown. The Well Completion Report and lithologic log are provided in Appendix C.

1.2. Water Quality

South Upper Truckee well draws water from a portion of the Tahoe Valley South Subbasin containing corrosive groundwater. The average Langelier Index is -2.15 ± 0.2 (mean \pm SD), indicating corrosivity toward calcium carbonate. The average Larson-Skold Index 1.93 ± 0.2 , indicating conditions susceptible to pitting corrosion of steel components. Well discharge is currently treated for corrosion using a stripper that removes dissolved CO₂ from the water,

thereby lowering pH (Appendix B). While this may result in modest removal of corrosivity in the distribution system, the down-hole well components and structure remain at risk of accelerated corrosion.

1.3. Pump and Motor Information

Pump and motor information are provided in Appendix D. South Upper Truckee Well is equipped with a 480-volt Byron Jackson Type M motor and a Flowserve 13MQH 1-stage submersible pump capable of delivering 1,400 gpm at 85' of total dynamic head (TDH). The 120-foot 10" x 0.375" column pipe is epoxy coated to mitigate the corrosive conditions of the groundwater; however, corrosion of the column pipe has been observed.

2. **Scope of Work**

The objective of this project is to conduct preventative maintenance activities (cleaning, inspection, and minor rehabilitation) of the South Upper Truckee Well structure, pump, and motor. Preventative maintenance activities are intended to (1) restore the well casing and screen to closely resemble design conditions; (2) identify damage or wear to the well structure, (3) perform minor maintenance, repair, and/or replacement of damaged or worn components; (4) redevelop the well; (5) determine well efficiency, maximum yield, overall pump efficiency, and aquifer properties following preventative maintenance activities; and (6) propose additional maintenance or rehabilitation actions beyond the scope of this project.

2.1. Summary of Work

A. Mobilization/Demobilization

Prepare the work site by installing safety fencing and filter fencing; move all necessary equipment, tools, and supplies; set-up sanitary facilities, equipment, and material storage areas; set-up and maintain settling tank(s), traffic control, temporary piping, and discharge systems. Supply disinfection bleach and spray all equipment and materials used in the well.

Following inspection and rehabilitation, demobilize equipment, tools, and supplies needed for well cleaning and maintenance, and clean-up the well site for production pump installation.

Provide all logs, records and reports required by the specifications and requested by the Engineer.

B. Downhole Equipment Removal

Protect electrical and motor control panels from dust and debris by typical means such as hanging plastic sheeting. Lockout the VFD and bypass the local circuit breaker. Disconnect the submersible power cable and remove the electrical junction box next to the well head (if applicable). Remove the PVC sounding tube used for water level measurements. Remove column assembly and coupled submersible pump and motor. Decouple pump from motor. Store pump and motor as recommended by manufacturer.

C. Mechanical Well Cleaning

Line brush the entire well casing and screen from the well bottom to the top of the well casing flange. Carefully airlift debris from the bottom of the well. Airlift water from well cleaning to the settling tanks(s) for discharge to the sanitary sewer.

D. Pre-Maintenance Well Inspection

Prepare the well for Closed Circuit Television (CCTV) well video inspection. The video survey shall be conducted by the Contractor in the presence of the Engineer after sediment accumulated in the bottom of the well has been removed and disinfected freshwater has been poured into the well overnight to provide clear viewing conditions. Conduct the well video inspection from the top of the well casing to total well depth using a color, dual-view video camera. Provide a Well Video Inspection Summary Report and electronic file (.MP4) of the video record.

E. Chemical Treatment: Optional

Based on the findings of the Well Video Inspection Summary Report, prepare a Chemical Treatment Plan to address mineral scaling and/or biomass buildup on well casing and screen, if warranted. Use only chemicals certified to meet NSF/ANSI 60 standards. The Plan should, at minimum, include safety procedures and precautions, chemicals to be used and associated safety data sheets, application volumes and concentrations, application methods, reaction times, removal methods, and neutralization/disposal methods. Application details should follow the manufacturer's instructions where applicable.

Implement the approved chemical treatment plan, using a tremie pipe to deliver the chemical treatment above each section of well screen in a concentrated form. Use a double swab tool to surge 10-foot sections of the well screen at a rate of 20 feet per hour. Surge all sections of the well screen, then allow the chemical treatment to react overnight or for the period designated in the Chemical Treatment Plan. Monitor pH to ensure that it remains within the manufacturer's recommended range.

When the chemical treatment is complete, carefully airlift cleaning chemicals to the settling tank. Monitor the pH, conductivity, and turbidity of airlifted effluent and continue airlifting until water quality parameters are within 10% of background values provided by the engineer. Neutralize the water in the settling tank to pH 6-9 before discharging to the sanitary sewer.

F. Well Development

Provide and install an in-line pump double swab tool for swab and pump development. Line swab and pump develop 10-foot intervals of the 12-inch casing liner screen sections at a rate of 20 feet per hour. Continue well development until well discharges contain less than 1 ppm sand. Discharge water from well development into settling tank before discharge to the sanitary sewer.

G. Electromagnetic Casing Integrity Survey

Use an electromagnetic inspection tool to survey the well screen and casing for structural weaknesses and corrosion. At minimum, the survey should include (1) measurement of the inner diameter of the well screen and casing from top to bottom; (2) identification of buckling, holes, or other damage; and (3) quantification of corrosion or scale build-up. A technical memo should be produced detailing the results of the survey and including recommendations for repair.

H. Post-Maintenance Well Inspection

Prepare the well for Closed Circuit Television (CCTV) well video inspection. The video survey shall be conducted by the Contractor in the presence of the Engineer after sediment accumulated in the bottom of the well has been removed and disinfected freshwater has been poured into the well overnight to provide clear viewing conditions. Conduct the well video inspection from the top of the well casing to total well depth using a color, dual-view video

camera. Provide a Well Video Inspection Summary Report and electronic file (.MP4) of the video record.

I. Well Disinfection, Downhole Equipment Reinstallation, Disinfectant Removal

Provide 12% sodium hypochlorite disinfectant solution certified to meet standards of ANSI/AWWA B301 or ANSI/AWWA B300. Disinfect the well using procedures consistent with AWWA C654 – Disinfection of Water Wells.

Use a tremie pipe to apply concentrated sodium hypochlorite solution above each screened interval, ensuring a final chlorine concentration of 100 mg/L throughout the well casing.

Spray all wetted surfaces of downhole equipment with a solution having a chlorine residual no less than 200 mg/L immediately prior to installation. Reinstall column pipe, pump and motor, and wellhead. Reinstall PVC sounding tube and pressure transducer, if applicable.

Following downhole equipment reinstallation, surge the well three times to mix and induce contact of the disinfected water with the adjacent aquifer. Ensure that the corrosion control treatment system is bypassed for this process. Any surged water should be discharged from the isolated hydrant (Appendix E) into a Baker Tank using an airgap inlet to prevent backflow. This water should be dechlorinated prior to being discharged to the sanitary sewer at a flow rate specified by the Engineer. Following surging, allow the disinfected water to rest in the casing for at least 12 hours.

After the well has been chlorinated and allowed to rest for at least 12 hours, it shall be pumped to waste. Discharge water from the isolated fire hydrant into the Baker Tank, dechlorinating and discharging it to the sanitary sewer. The discharge water shall be tested periodically for chlorine residual. When no detectable chlorine residual is measured, the well shall continue to be pumped to waste for at least 15 min before proceeding with bacteriological sampling completed by the District. If bacteriological samples return positive results, the disinfection procedure must be repeated until negative results are obtained.

J. Well Testing

Design and implement a temporary discharge system to discharge water from pumping tests into the Upper Truckee River (Appendix E). Provide and maintain all traffic control measures for any work within the public right-of-way, including providing a Traffic Control Plan to be incorporated in the District's City of South Lake Tahoe Obstruction Permit. Set-up a temporary discharge hose for the discharge of waters pumped during well testing to the Upper Truckee River by isolating the hydrant located on the well property (Appendix E). Use a diffuser to slow and spread flow as it enters the river in accordance with discharge permit conditions. Monitor the discharge system and receiving waters in accordance with discharge permit conditions and remove the discharge system after well testing is completed.

Conduct an 8-hour Step-Drawdown, followed by a 24-hour Constant Rate Test at flow rates directed by the Engineer. Well tests shall be conducted using the corrosion control treatment system, but without the addition of disinfectant.

2.2. Submittals

The following submittals will be required.

Permits

1. A Traffic Control Plan for work within the public right-of-way. The District will include the Traffic Control Plan in an Obstruction Permit Application submitted to the City of South Lake Tahoe (CSLT) at least ten (10) working days prior to mobilization to the work site.

Product Data

1. Submit annotated drawings and/or photographs of specialty tools used for well cleaning.
2. Submit annotated drawings and/or photographs of specialty tools used for disinfection and development of the relined well.
3. Submit catalog data and MSDS for all chemical cleaning agents used. Provide dosage guides provided by the manufacturer for the intended use of each item.

Plans

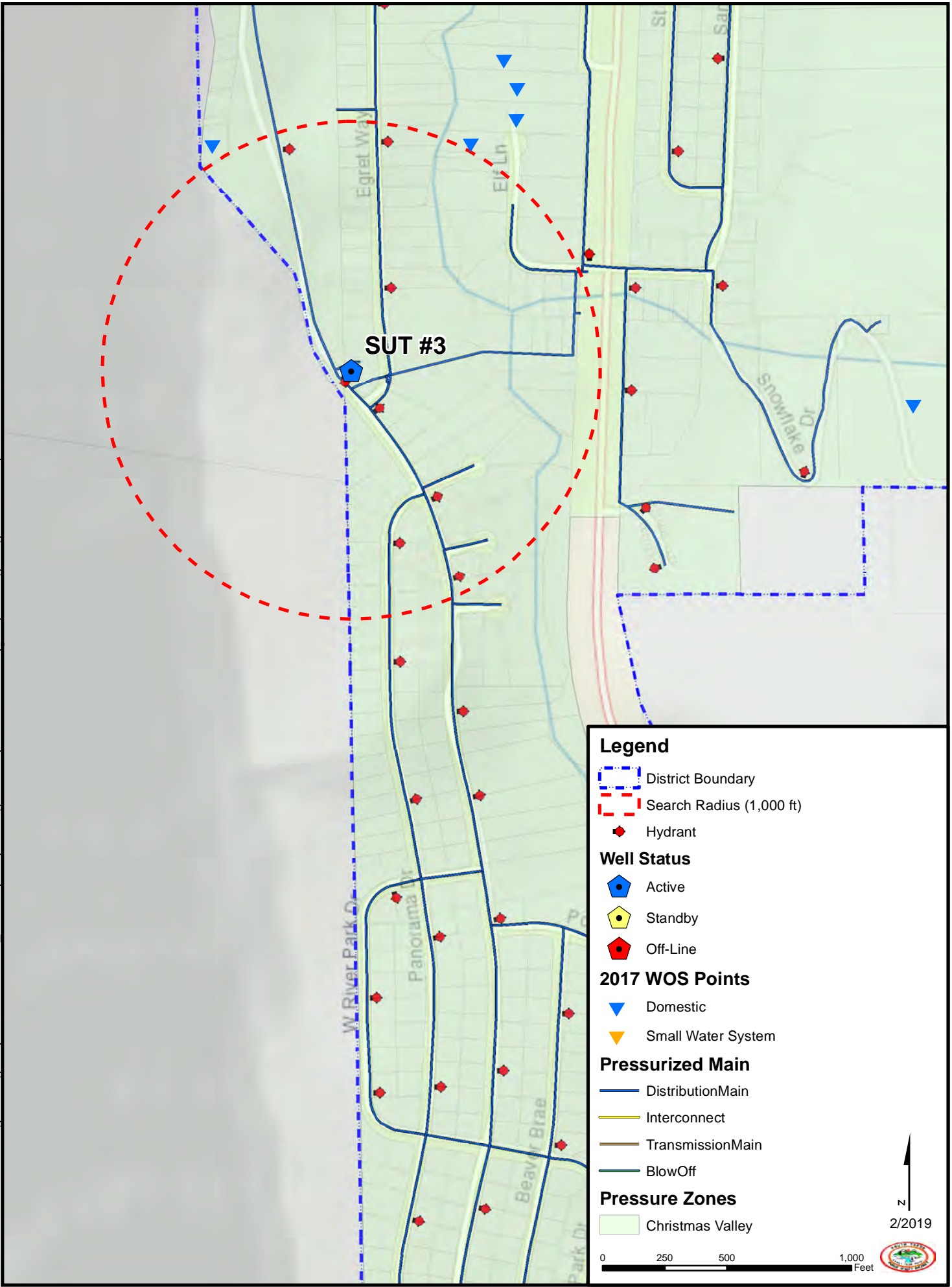
1. Fluids Containment/Waste Disposal Plan
2. Well Cleaning and Chemical Treatment Plan
3. Temporary Discharge System Plan
4. Well Testing Plan

Records

1. Daily Reports
2. Well Development Records
3. Well Test Records
4. Well Inspection Report

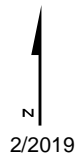
Appendix A: Site Map

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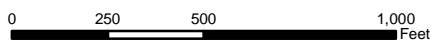


Legend

- District Boundary
- Search Radius (1,000 ft)
- Hydrant
- Well Status**
 - Active
 - Standby
 - Off-Line
- 2017 WOS Points**
 - Domestic
 - Small Water System
- Pressurized Main**
 - DistributionMain
 - Interconnect
 - TransmissionMain
 - BlowOff
- Pressure Zones**
 - Christmas Valley



2/2019



Appendix B: Site Plan

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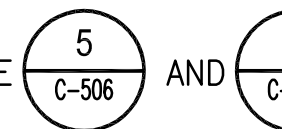
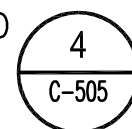
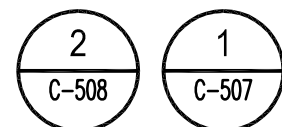
PIPING LEGEND

PIPE	①	②	③	④	⑤
FLUID	DOMESTIC WATER	SAMPLE WATER TO pH ANALYZER	PRE-SODIUM HYPOCHLORITE CHEMICAL FEED	POST-SODIUM HYPOCHLORITE CHEMICAL FEED	FUTURE CHEMICAL FEED
SIZE	1"	3/8" TUBE IN 1" CONDUIT	1"	1"	1"
MAT'L	CU	PE TUBE IN EPVC CONDUIT	EPVC	EPVC	EPVC

ABBREV	DESCRIPTION	SPEC SECTION
WSP	FUSION EPOXY-LINED & -COATED STEEL PIPE	402057
DIP	DUCTILE IRON PIPE	402040
PVC	AWWA C900 PVC PIPE (WATER OR DRAINAGE PIPING)	402092/402350
CU	COPPER TUBING	402020
SST	STAINLESS STEEL TUBING	402078
RP	REDUCED PRESSURE BACKFLOW PREVENTER	400520
EPVC	SCH 40 PVC ELECTRICAL CONDUIT W/ MINIMUM 12D SWEEP ELBOWS	260534
PE	POLYETHYLENE TUBING	402350

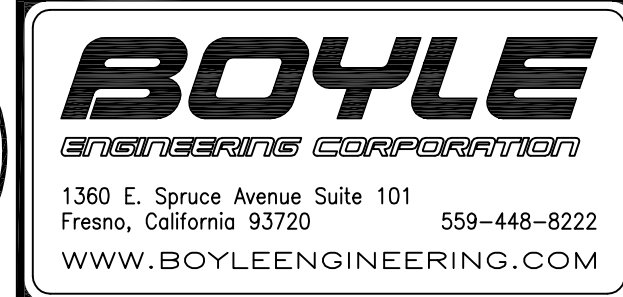
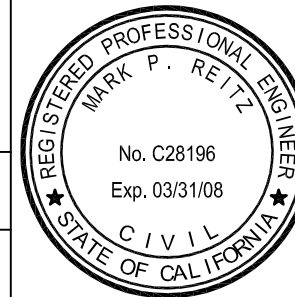
NOTES:

- STEEL PIPING TO BE FUSION-BONDED EPOXY LINED AND COATED PER SPEC SECTION 099761. COLOR CODE EXPOSED PIPING WITH COATING SYSTEM 66 PER SPEC SECTION 099000.
- JOINTS FOR PVC SDR 26 SEWER SHALL BE OF THE PUSH-ON TYPE, EXCEPT WHERE INDICATED OTHERWISE ON THE PLANS.
- RESTRAIN ALL JOINTS FOR PVC SDR 26 WATER PIPE.
- CONTRACTOR SHALL PROVIDE TEMPORARY PIPING AND APPURTENANCES AS REQUIRED TO DISPOSE OF WATER FROM WELL TESTING AND DISINFECTION AND AS DIRECTED BY OWNER'S REPRESENTATIVE.
- 2" VENT SHALL BE ANCHORED TO VERTICAL WALL WITH GALVANIZED CLIPS AT SPACING DEFINED IN SPEC 400764. VENT SHALL EXTEND THROUGH THE ROOF WITH SEALED PENETRATIONS.
- ALL EPVC CONDUIT SHALL USE 12D (MIN) RADIUS SWEEPS.
- FLOOR DRAIN TO BE EQUIPPED WITH A 4" PROSET SYSTEMS TRAP GUARD, OR EQUAL. 5" NICKEL BRONZE STRAINER
- 3/4" HOSE BIBB TYPE 420 AND ATMOSPHERIC VACUUM BREAKER TYPE 1040. INSTALL A MINIMUM OF 18" ABOVE FINISH FLOOR.
- INSTALL SANITARY SEWER LATERAL IN ACCORDANCE W/THE PLANS AND SPECS AND SOUTH LAKE TAHOE PUBLIC UTILITY DISTRICT "REQUIREMENTS FOR BUILDING SEWER HOOKUP" INCLUDED IN THE SPECS.
- CONTRACTOR SHALL COORDINATE W/OWNER'S REPRESENTATIVE THE EXACT LOCATION OF THE CHEMICAL FEED STUBOUTS.
- ALL BURIED VALVES SHALL HAVE A VALVE BOX AND HAVE A TOTALLY ENCLOSED ACTUATOR AND 2" OPERATING NUT.
- CONNECT TO EXISTING 8" ACP WATER MAIN ADJACENT TO EXISTING GATE VALVE. PROVIDE THRUST BLOCK AT CONNECTION. ELEVATION OF EXISTING WATER MAIN IS APPROXIMATE, CONTRACTOR SHALL FIELD-VERIFY ELEVATION.
- PROVIDE DIELECTRIC ISOLATION WHERE DISSIMILAR METAL PIPE MATERIALS ARE JOINED
- WHERE PVC PIPE IS USED, EXTEND TRACER WIRE ALONG WSP UNDER BUILDING SLAB TO BOOSTER PUMP DISCHARGE PIPING SEE



REV	DATE	DESCRIPTION	APPR
09/25/09		RECORD DRAWING	MPR
6-15-07		CONFORMING SET	MPR

DESIGNED BY	KB	PROJECT ENGINEER	MARK P. REITZ
DRAWN BY	DLR	REG NUMBER	C28196
CHECKED BY	MPR	PROJECT NUMBER	16642.00-0001
DATE	Jul-07	CADD STANDARDS	BOYLE



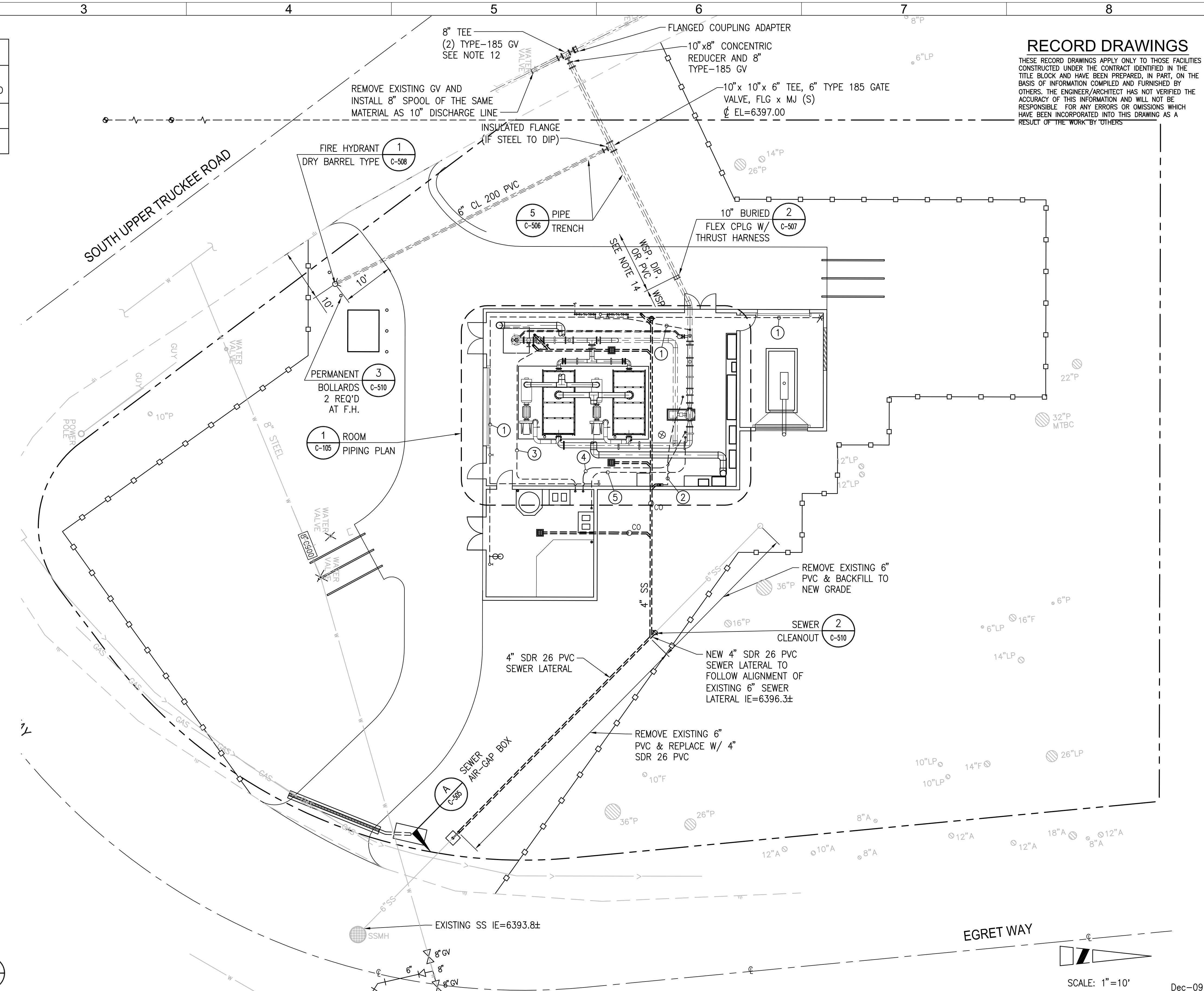
SOUTH TAHOE PUBLIC UTILITY DISTRICT
SOUTH UPPER TRUCKEE WELL NO. 3

PIPING PLAN

DRAWING
C-103
SHEET
5
OF 48 SHEETS

RECORD DRAWINGS

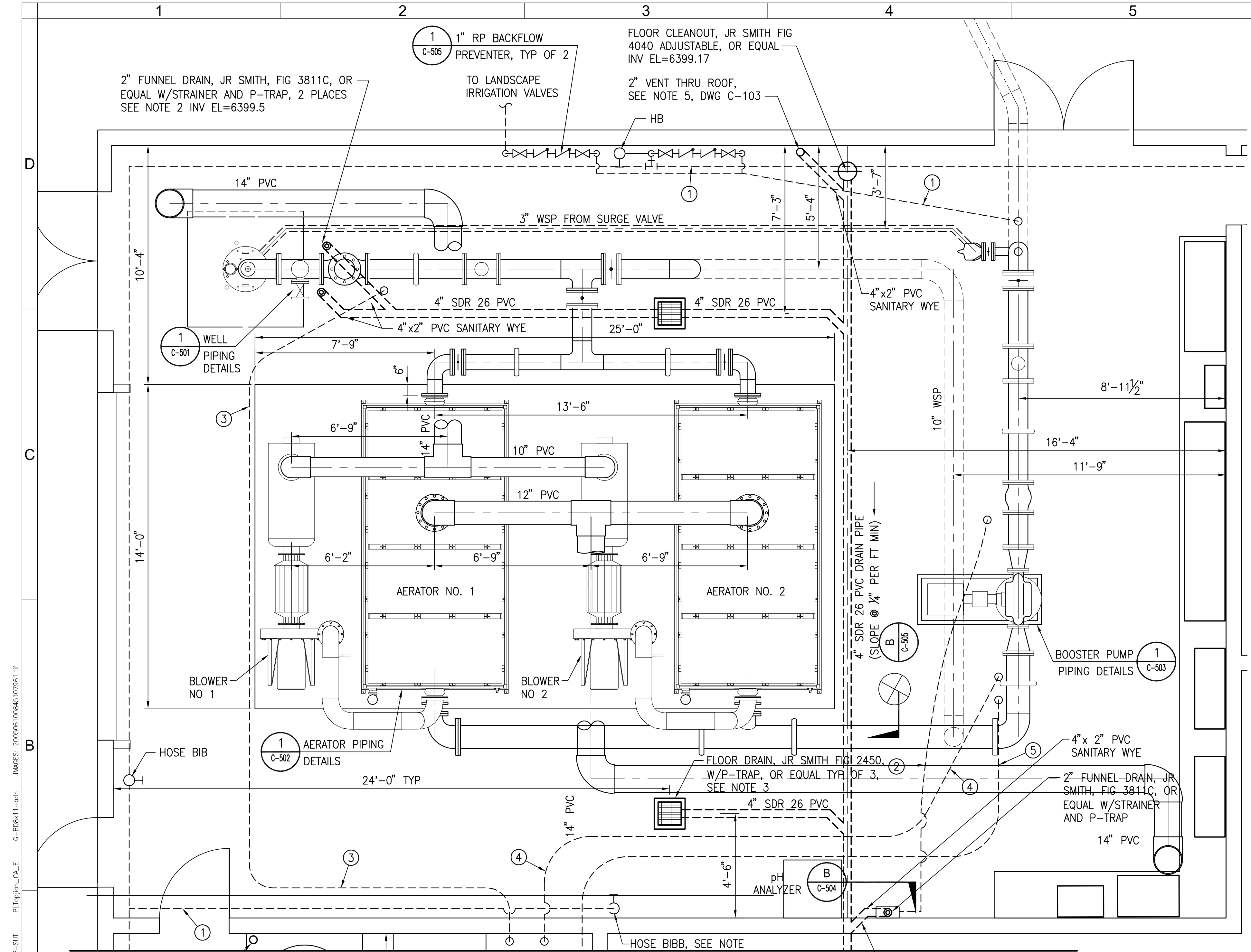
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SCALE: 1"=10'

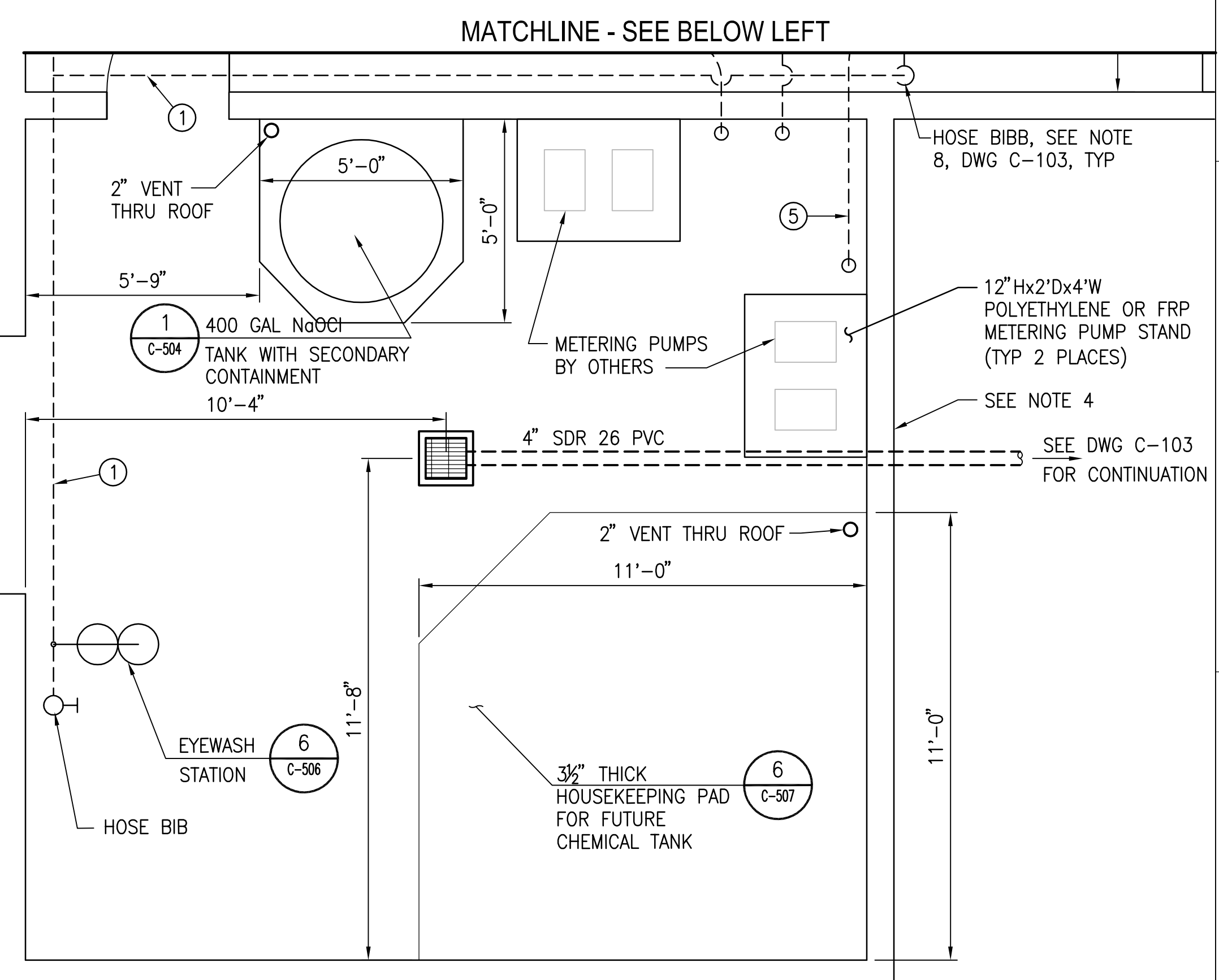
Dec-09

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 C-REP-SUT
 PLTRegion_CA_E
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PIPING LEGEND

PIPE	①	②	③	④	⑤
FLUID	DOMESTIC WATER	SAMPLE WATER TO pH ANALYZER	PRE-SODIUM HYPOCHLORITE CHEMICAL FEED	POST-SODIUM HYPOCHLORITE CHEMICAL FEED	FUTURE CHEMICAL FEED
SIZE	1"	3/8" TUBE IN 1" CONDUIT	1"	1"	1"
MAT'L	CU	PE TUBE IN EPVC CONDUIT	EPVC	EPVC	EPVC



MATCHLINE - SEE ABOVE RIGHT

SEE DWG C-103 FOR CONTINUATION

ROOM PIPING PLAN
SCALE: 3/8" = 1'-0"

RECORD DRAWINGS

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- NOTES:**
- SEE SHEET C-103 FOR GENERAL PIPING NOTES
 - PLUMB WELL PUMP AIR/VACUUM VALVE AND SAND TESTER TO 3" ABOVE 2-INCH FUNNEL DRAIN.
 - FLOOR DRAINS TO BE EQUIPPED WITH A 4" PROSET SYSTEMS TRAP GUARD, OR EQUAL. 5" NICKEL BRONZE STRAINER.
 - PROVIDE 6" DIA SLEEVED BLOCK-OUT IN BUILDING FOOTING WHERE 4" SEWER LINE CROSSES.
 - SLOPE ALL SEWER LINES 1/4" PER FT MINIMUM

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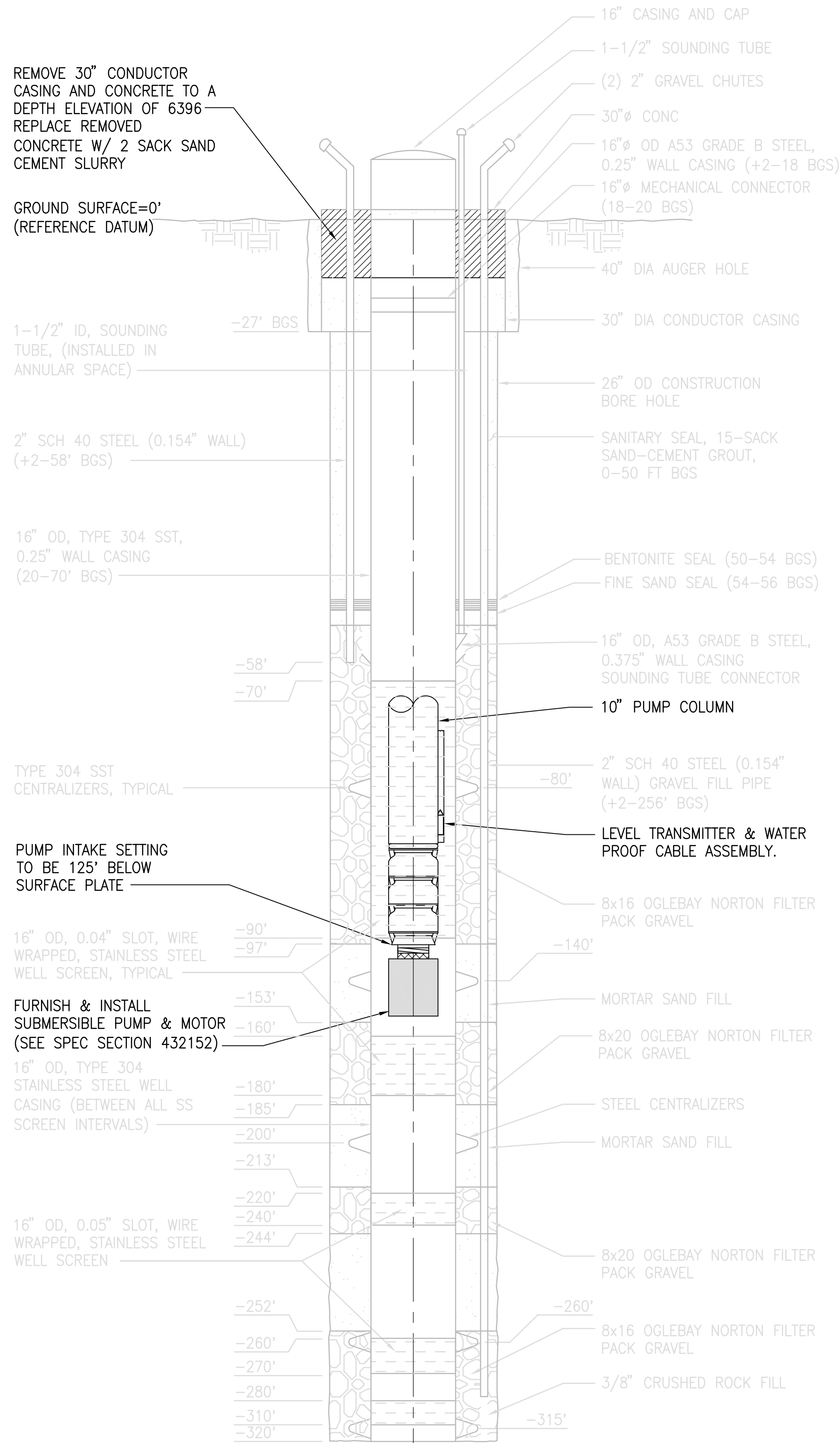
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09/25/09		RECORD DRAWING	MPR
6-15-07		CONFORMING SET	MPR

DESIGNED BY	RKB	PROJECT ENGINEER	MARK P. REITZ
DRAWN BY	DLR	REG NUMBER	C28196
CHECKED BY	MPR	EXP DATE	3/31/08
DATE	Jul-07	PROJECT NUMBER	16642.00-0001
		CADD STANDARDS	BOYLE

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 Fresno, California 93720 559-448-8222
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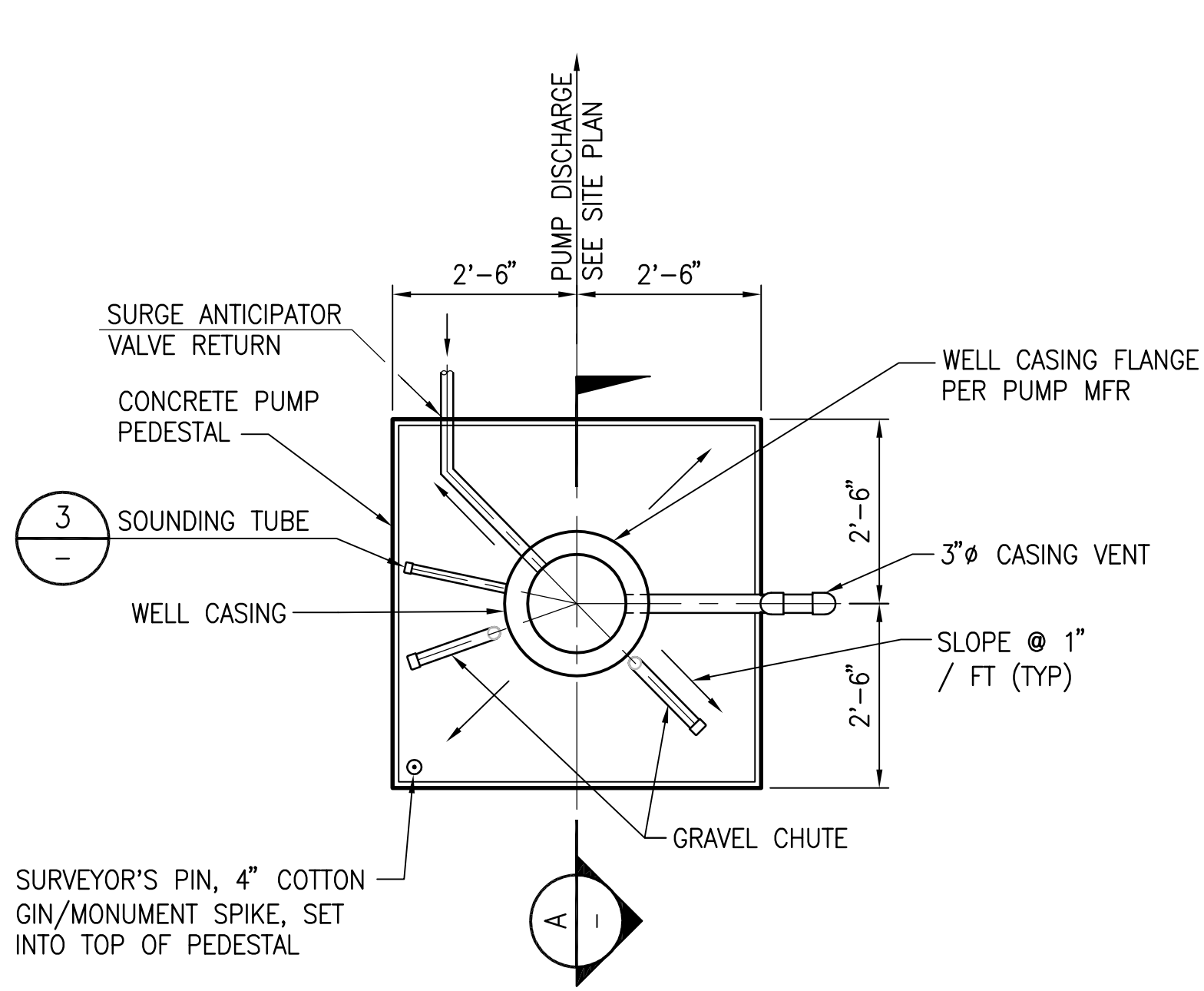
SOUTH TAHOE PUBLIC UTILITY DISTRICT SOUTH UPPER TRUCKEE WELL NO. 3		DRAWING C-105
WELL AND CHEMICAL ROOM PIPING PLAN		SHEET 7 OF 48 SHEETS

Dec-09

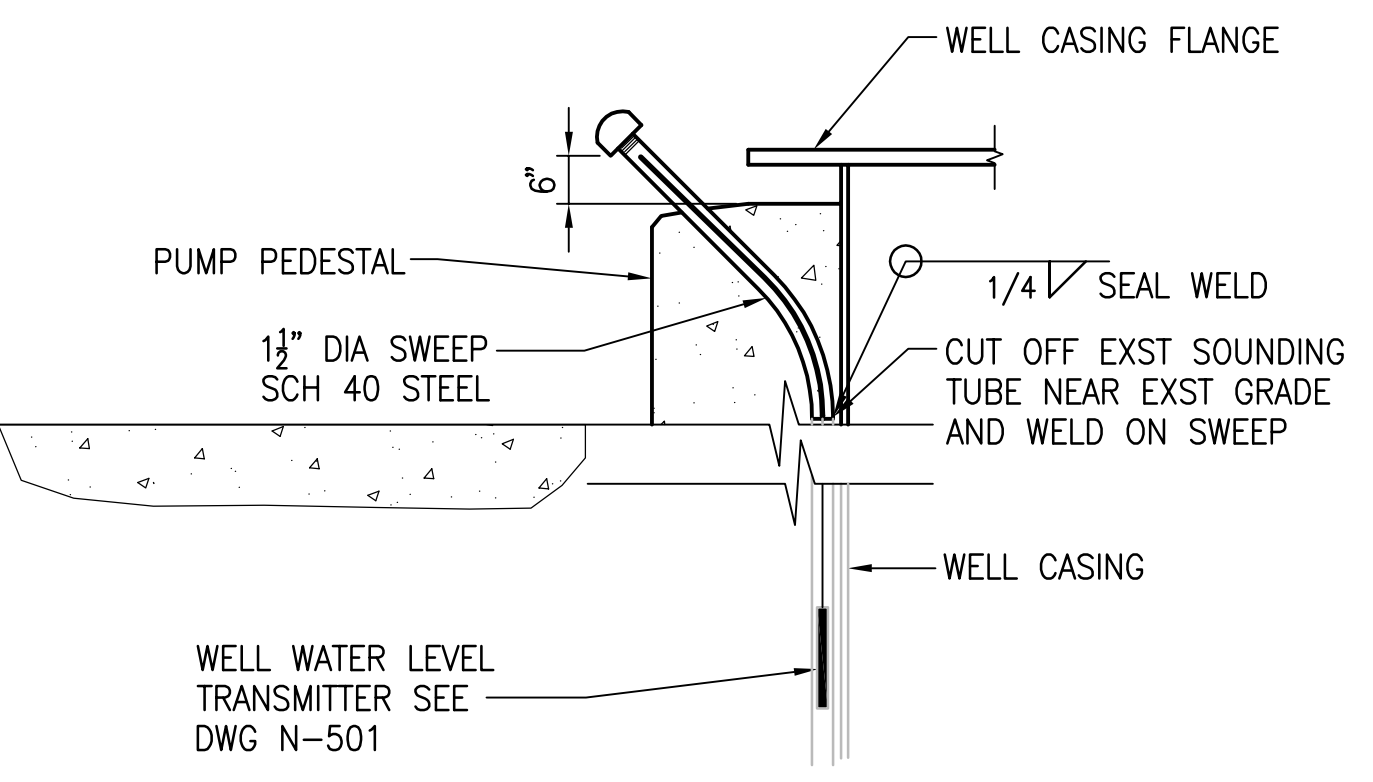


WELL MODIFICATIONS
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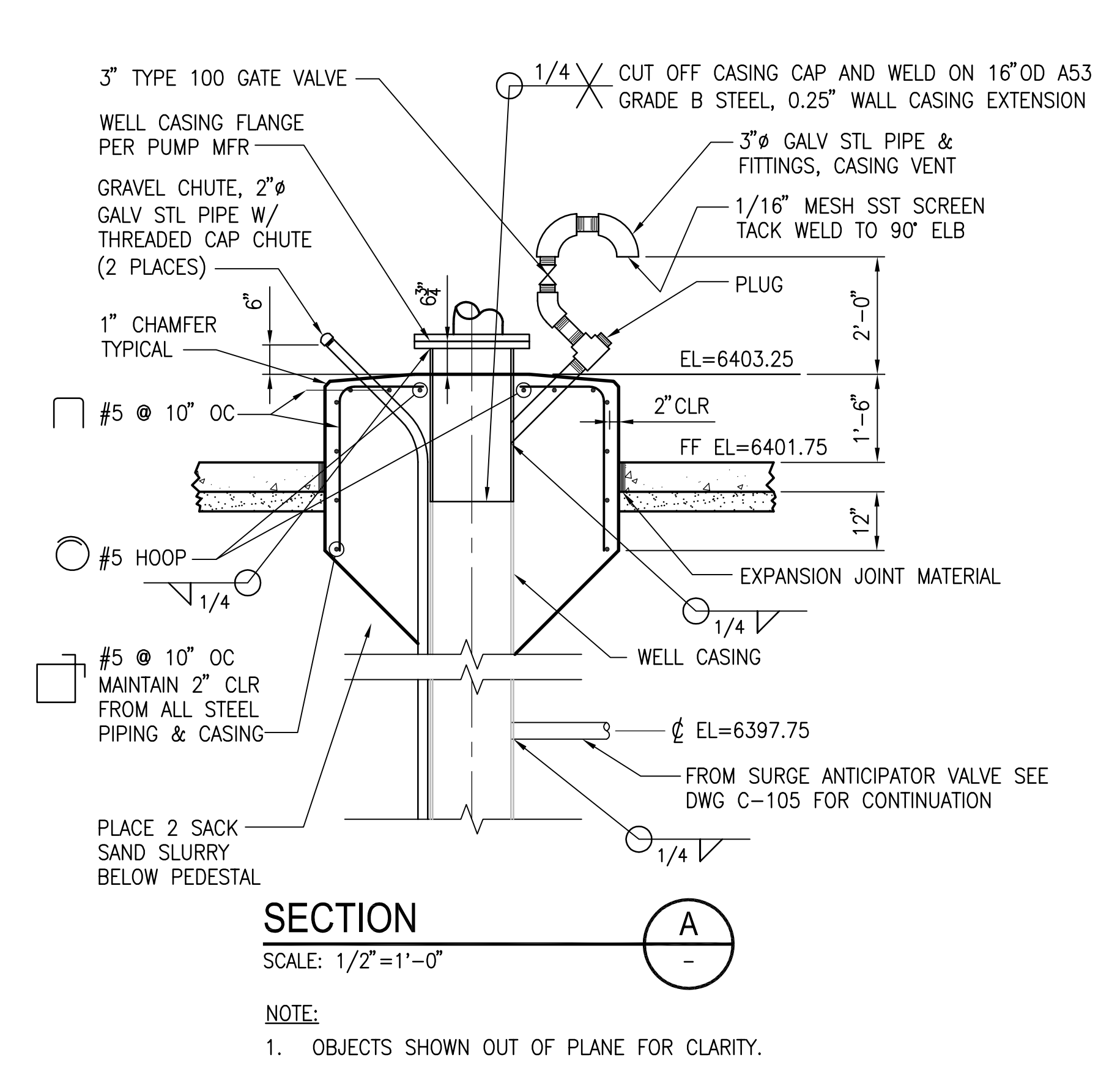
- NOTES:
1. PIPING SHOWN OUT OF PLANE FOR CLARITY.
 2. SEE DETAIL 3 FOR SOUNDING TUBE CONFIGURATION.
 3. ALL WELDS TO BE GROUND SMOOTH.



PUMP PEDESTAL PLAN
SCALE: 1/2" = 1'-0"



SOUNDING TUBE
NOT TO SCALE



SECTION
SCALE: 1/2" = 1'-0"

RECORD DRAWINGS

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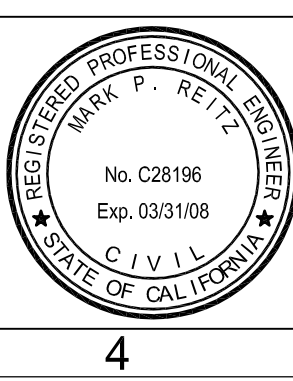
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6-15-07		CONFORMING SET	MPR

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING

IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DESIGNED BY	RKB	PROJECT ENGINEER	MARK P. REITZ
DRAWN BY	DLR	REG NUMBER	C28196
CHECKED BY	MPR	PROJECT NUMBER	16642.00-0001
DATE	Jul-07	CADD STANDARDS	BOYLE



BOYLE
ENGINEERING CORPORATION

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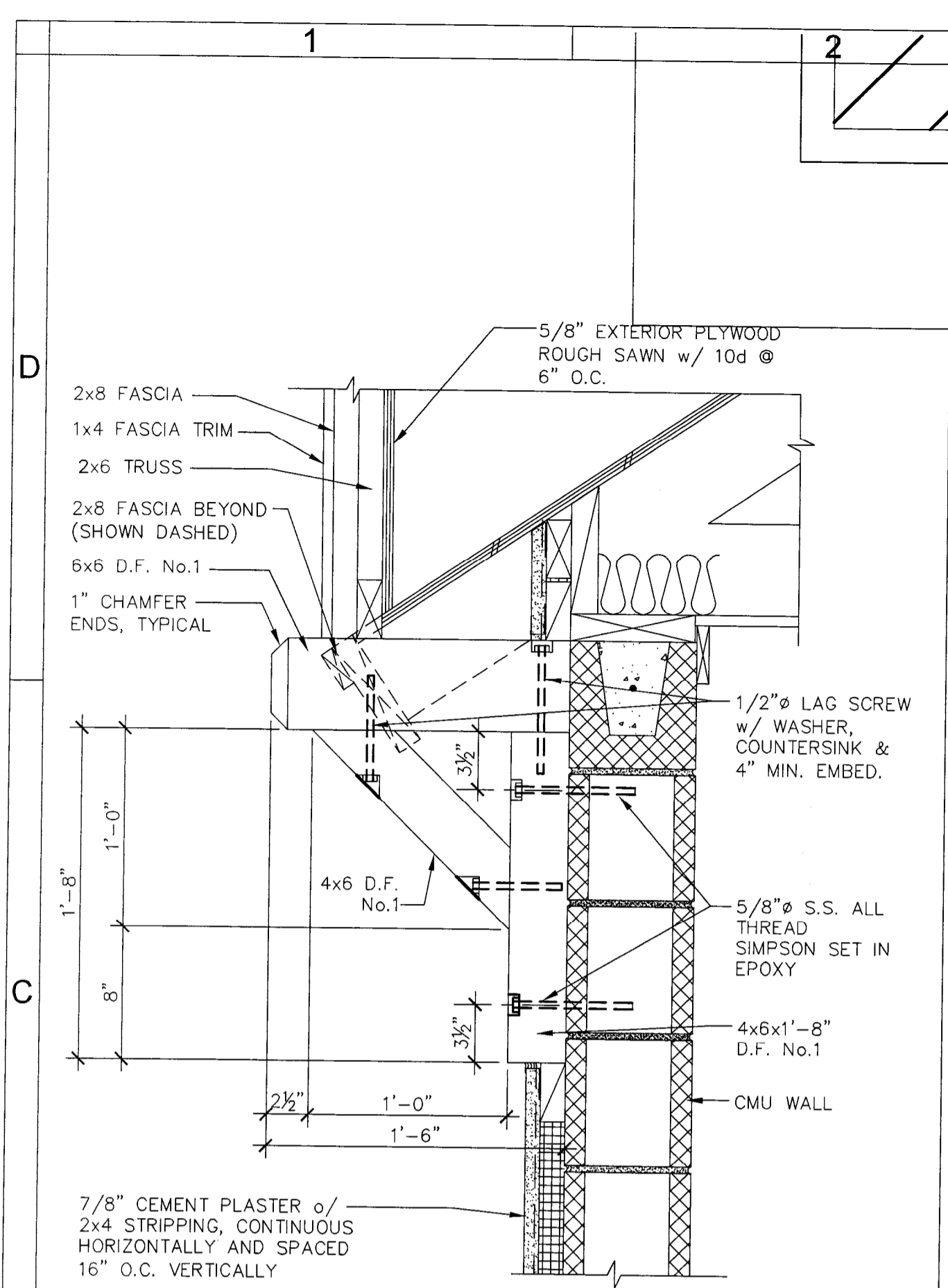
SOUTH TAHOE PUBLIC UTILITY DISTRICT
SOUTH UPPER TRUCKEE WELL NO. 3

WELL SECTION & DETAILS

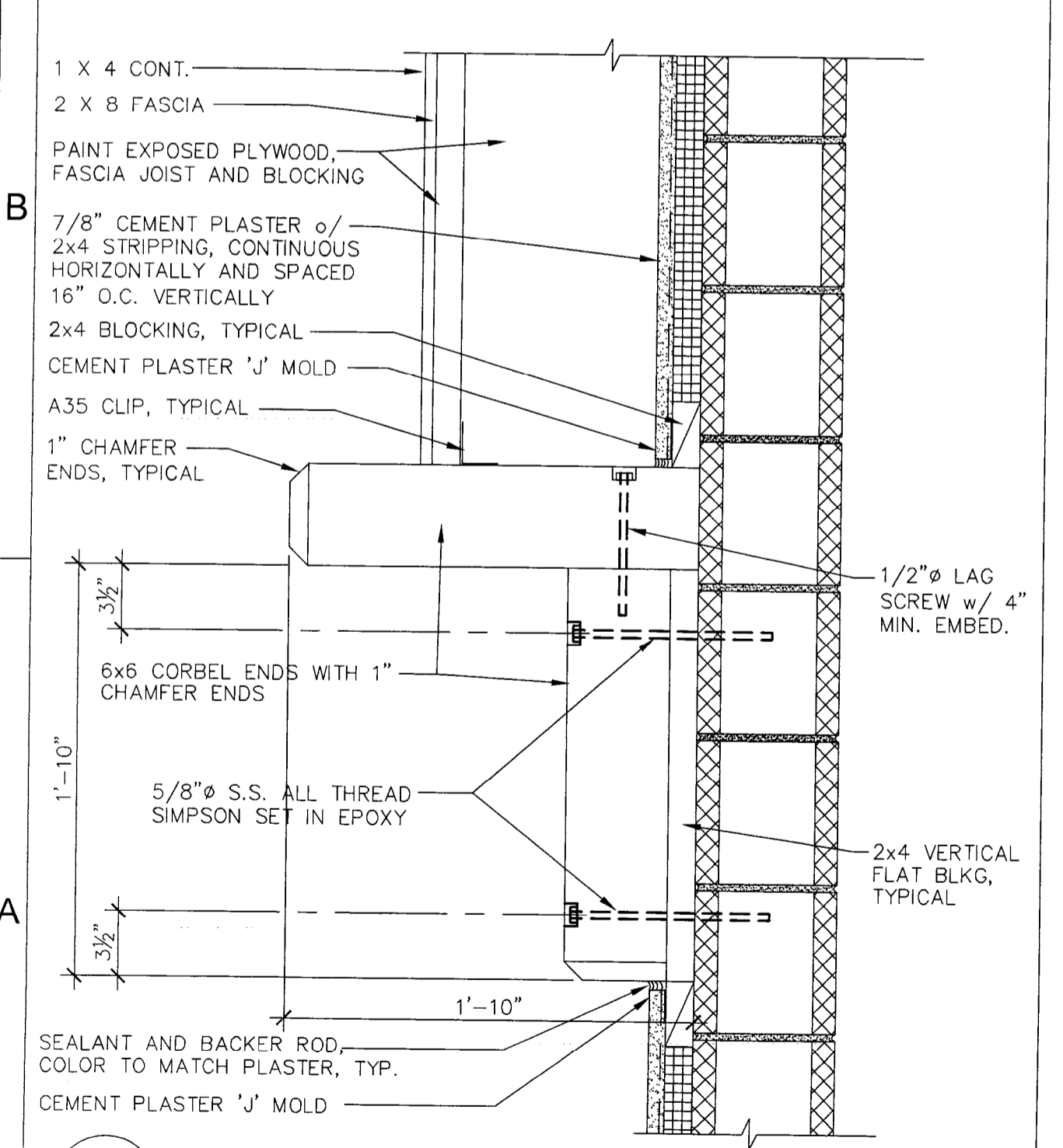
DRAWING
C-201

SHEET
8
OF 48 SHEETS

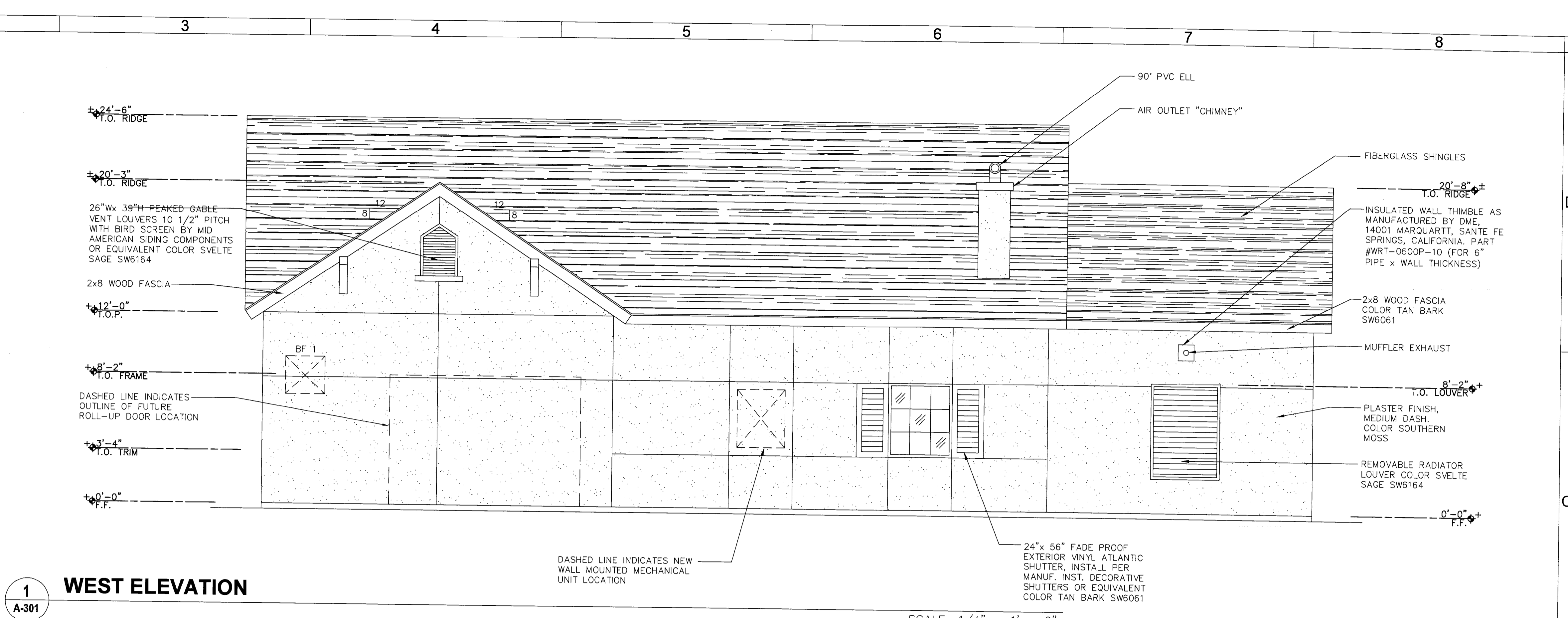
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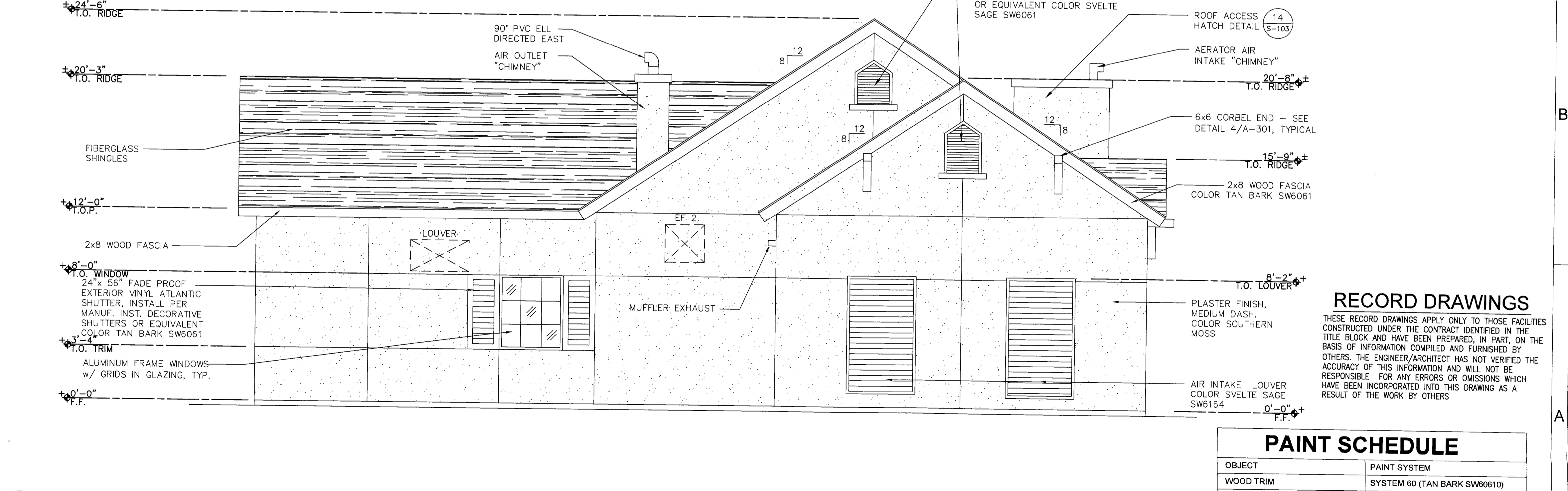
3 TYPICAL ENTRY CORBEL DETAIL
A-301 AD33 SCALE: 1" = 1'-0"



4 TYPICAL GABLE END CORBEL DETAIL
A-301 AD32 SCALE: 1" = 1'-0"



1 WEST ELEVATION
A-301 SCALE: 1/4" = 1' - 0"



2 NORTH ELEVATION
A-301 SCALE: 1/4" = 1' - 0"

RECORD DRAWINGS
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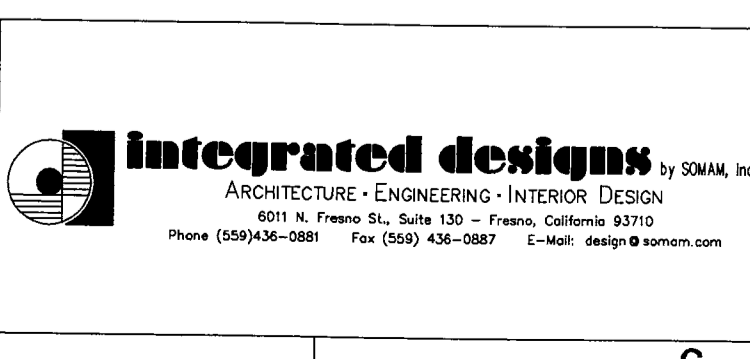
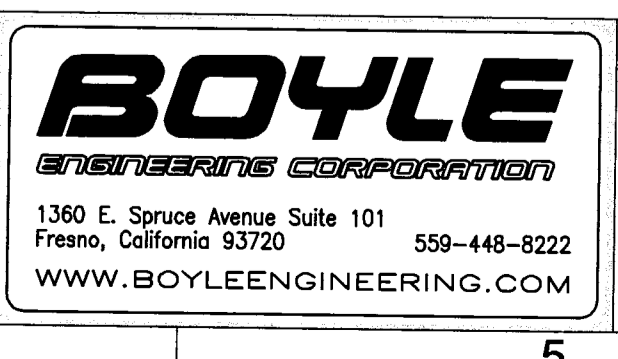
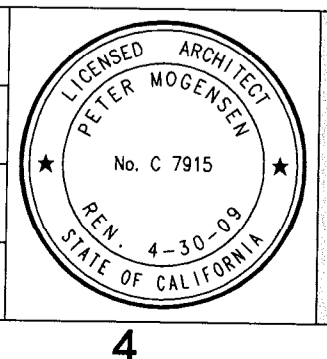
PAINT SCHEDULE	
OBJECT	PAINT SYSTEM
WOOD TRIM	SYSTEM 60 (TAN BARK SW60610)
SHEET METAL	SYSTEM 73
WOOD ROOF STRUCTURE	SYSTEM 60
CONCRETE BLOCK	SYSTEM 73

SEE SPECIFICATIONS SECTION 099000 FOR FINISH SYSTEMS

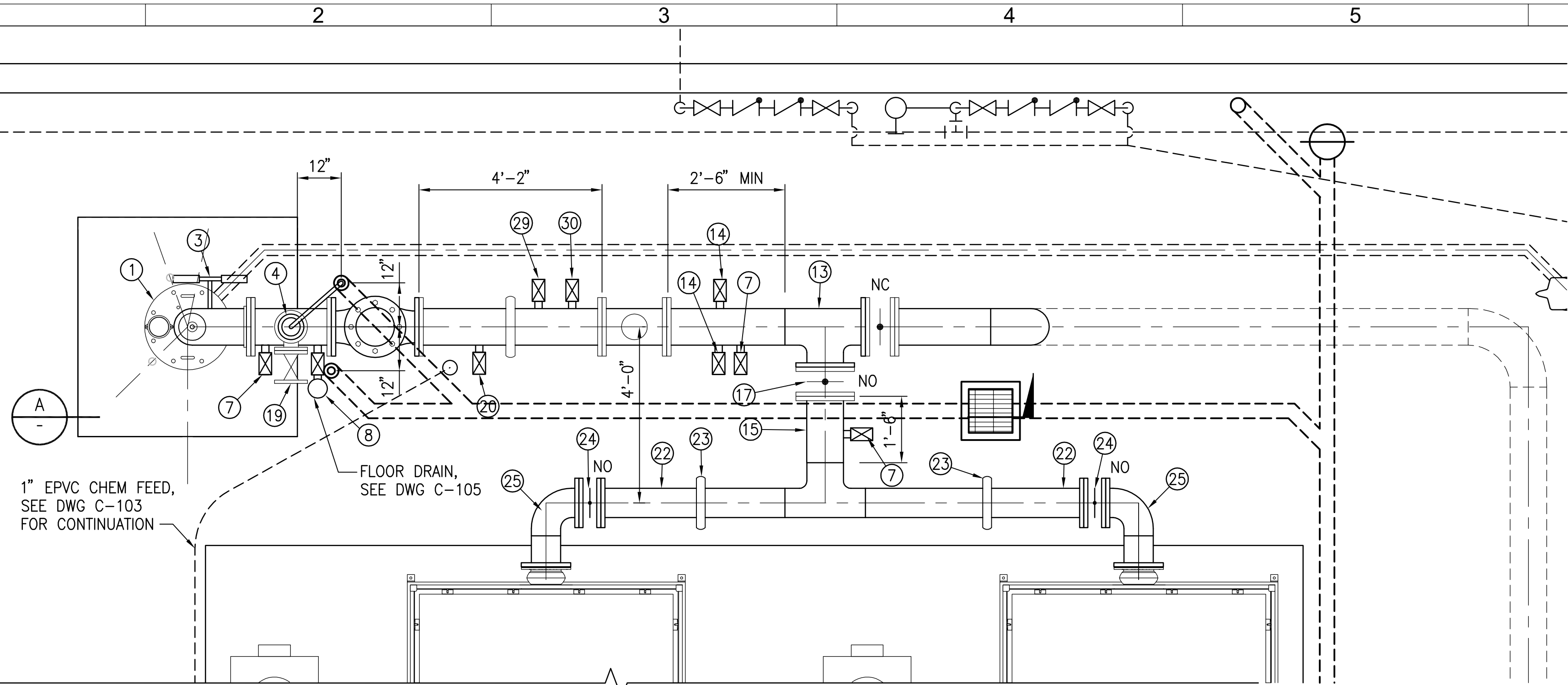
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6-15-2007				PM
				APPR

DESIGNED BY	PROJECT ARCHITECT	DATE
PM	PETE MOGENSEN	04-30-09
DRAWN BY	REG NUMBER	EXP DATE
CJH	C7915	
CHECKED BY	PROJECT NUMBER	
PM	16642.00	
DATE	CADD STANDARDS	
04-27-07	BOYLE	

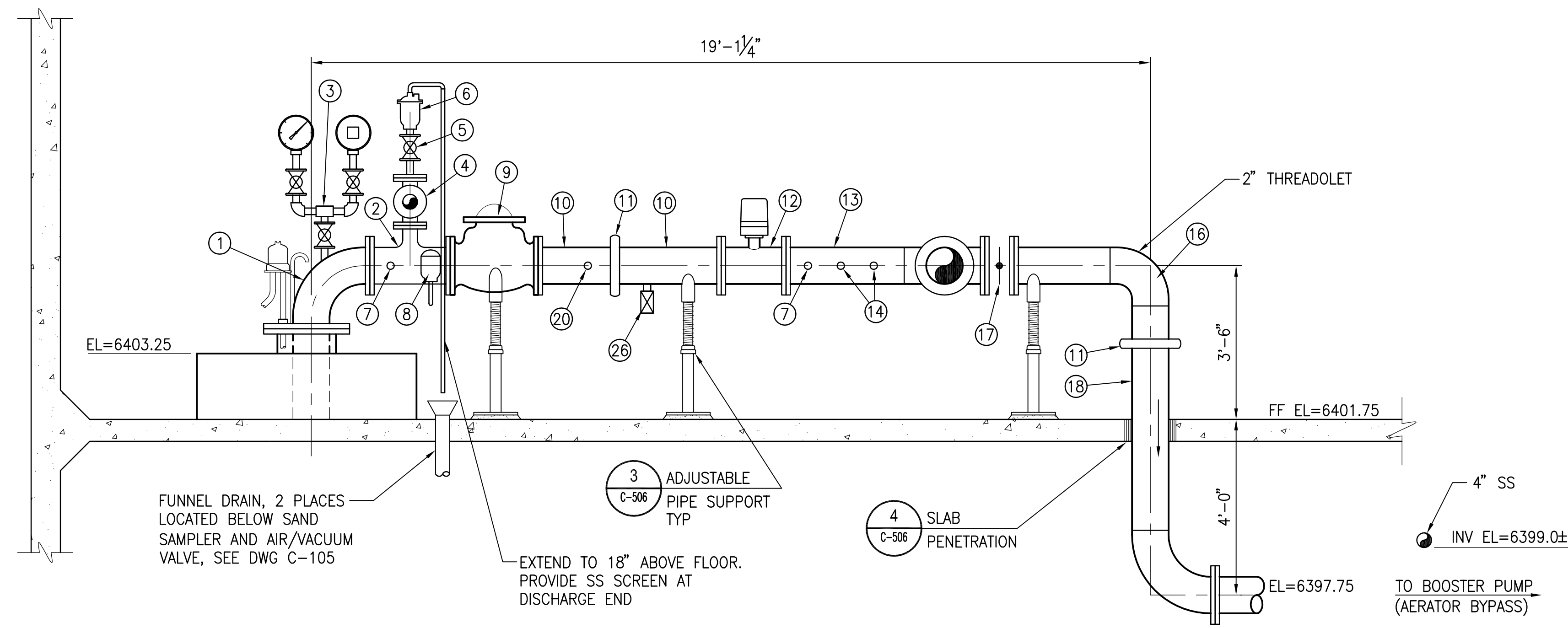
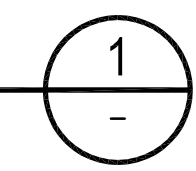


SOUTH TAHOE PUBLIC UTILITY DISTRICT		DRAWING
SOUTH UPPER TRUCKEE WELL NO. 3		A-301
EXTERIOR ELEVATIONS		SHEET
		11
		OF 48 SHEETS



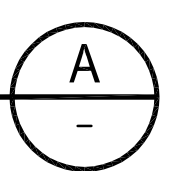
DISCHARGE PIPING PLAN

SCALE: 1/2" = 1'-0"



SECTION

SCALE: 1/2" = 1'-0"



MATERIALS LIST

- ① 10" DISCHARGE PUMP SURFACE PLATE PER PUMP MFR
- ② 10" x 10" x 3" WSP TEE
- ③ PRESSURE GAUGE (0-60psi) AND PRESSURE SWITCH 1
C-506
- ④ 3" WSP TEE
- ⑤ 2" TYPE 200 BALL VALVE W/2" GALV STEEL NIPPLE EACH SIDE
- ⑥ 2" TYPE 1207 AIR/VACUUM VALVE W/GALV PIPE AND FITTINGS @ OUTLET
- ⑦ 1/2" SAMPLING TAP 2
C-506
- ⑧ SAND SAMPLER, ROSCOE MOSS, ROSSUM, OR EQUAL
- ⑨ 10" DUAL SOLENOID CONTROL GLOBE PATTERN CONTROL VALVE, TYPE 1315, SEE SPEC SECTION 400570
- ⑩ 10" WSP SPOOL, FLG x GROOVED END
- ⑪ 10" GROOVED END COUPLING
- ⑫ 10" MAG FLOWMETER, SIEMENS FM MAGMETER MAG 5100W W/MAGFLOW MAG 5000 TRANSMITTER
- ⑬ 10" WSP SPECIAL, FLG x FLG x FLG
- ⑭ 1" THREDOLET W/PLUG ROTATED DOWN 45° FROM HORIZONTAL
- ⑮ 10" WSP SPECIAL, 10" FLG x 8" GRV x 8" GRV
- ⑯ 10" WSP SPECIAL WITH SHORT RADIUS 90° ELL, FLG x GRV
- ⑰ 10" TYPE 200 BFV
- ⑱ 10" WSP SPECIAL W/LONG RADIUS 90° ELL, GROOVED x FLG
- ⑲ 3" TYPE 100 THREADED GATE VALVE W/ BRASS PLUG
- ⑳ SODIUM HYPOCHLORITE INJECTION TAP 2
C-505
- ㉑ 8" x 8" x 10" WSP BULL HEAD TEE
- ㉒ 8" WSP SPOOL, FLG x GROOVED END
- ㉓ 8" GROOVED COUPLING
- ㉔ 8" TYPE 200 BFV
- ㉕ 8" WSP SPECIAL, FLG x FLG
- ㉖ 1" THREDOLET W/ TYPE 300 BALL VALVE
- ㉗ 10" x 6" WSP REDUCER, FLGx FLG
- ㉘ 3" NPTx 2" NPT REDUCER
- ㉙ 1 1/2" THREDOLET W/ 1 1/2" METAL SAMPLES (PHONE (256) 358-4202) MODEL LP17-02-10-100-000 PLUG AND (3) MODEL EL584192800100 CDA 110 S/O 95004 COPPER PROBES
- ㉚ 1 1/2" THREDOLET W/ 1 1/2" METAL SAMPLES (PHONE (256) 358-4202) MODEL LP17-02-10-100-000 PLUG AND (3) MODEL EL582152800100 SN5/P695 S/O 95005 LEAD-TIN PROBES

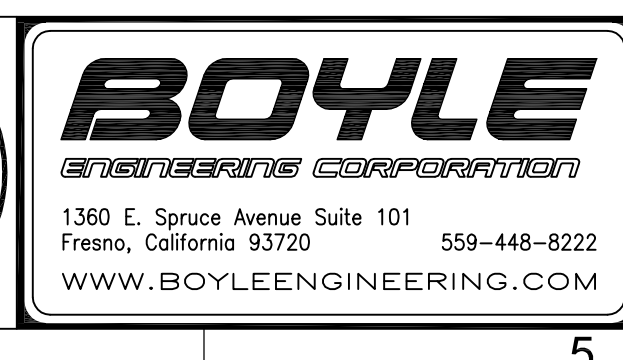
RECORD DRAWINGS

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 BCC:\gpr
 M:\Reitz, C.A.
 PROJECT ENGINEER: MARK P. REITZ
 REG. NO. C28196
 EXP. DATE 3/31/08
 1360 E. Spruce Avenue Suite 101
 Fresno, California 93720
 559-448-8222
 WWW.BOYLEENGINEERING.COM

REV	DATE	DESCRIPTION	APPR
09/25/09		RECORD DRAWING	MPR

DESIGNED BY	RKB	PROJECT ENGINEER	MARK P. REITZ
DRAWN BY	DLR	REG. NUMBER	C28196
CHECKED BY	MPR	EXP. DATE	3/31/08
DATE	Jul-07	PROJECT NUMBER	16642.00-0001
		CADD STANDARDS	BOYLE



SOUTH TAHOE PUBLIC UTILITY DISTRICT
SOUTH UPPER TRUCKEE WELL NO. 3

**WELL DISCHARGE PIPING
DETAILS**

Dec-09
DRAWING
C-501
SHEET
22
OF 48 SHEETS

MATERIALS LIST

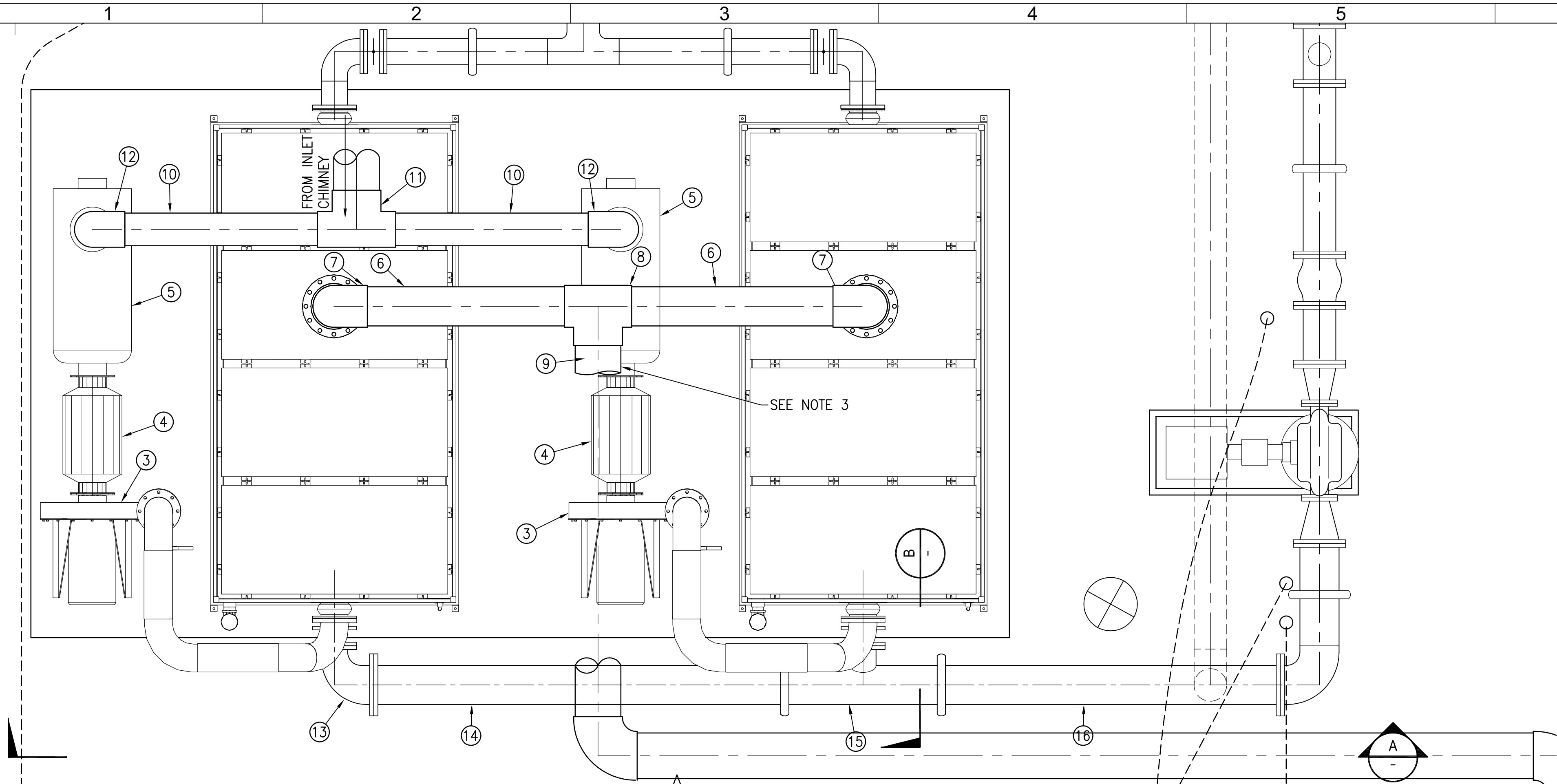
- ① LOWRY SYSTEMS D886 DEEP BUBBLE AERATOR, SEE SPEC SECTION 444215 AND NOTE 1.
- ② BLOWER DISCHARGE PIPING TO BE PREFABRICATED BY AERATOR MFR
- ③ 25 HP CENTRIFUGAL BLOWERS (SUPPLIED WITH AERATORS)
- ④ BLOWER SILENCERS (SUPPLIED WITH AERATORS)
- ⑤ BLOWER FILTERS (SUPPLIED WITH AERATORS)
- ⑥ 12" PVC PIPE
- ⑦ 12" PVC 90° ELL
- ⑧ 12"x 12"x 14" PVC TEE
- ⑨ 14" PVC PIPE
- ⑩ 10" PVC PIPE
- ⑪ 10"x 10"x 14" PVC TEE
- ⑫ 10" PVC 90° ELL
- ⑬ 12"x 8" WSP 90° REDUCING ELL W/8" TYPE 200 BFV
- ⑭ 12" FLG x GROOVED WSP SPOOL
- ⑮ 12" GROOVED x GROOVED WSP W/8" NOZZLE & 8" TYPE 200 BFV
- ⑯ 12" GROOVED x FLANGED WSP W/10" NOZZLE
- ⑰ 12" GROOVED END COUPLING
- ⑱ 10" TYPE 200 BFV
- ⑲ 1" THREADOLET W/ TYPE 300 BALL VALVE

RECORD DRAWINGS

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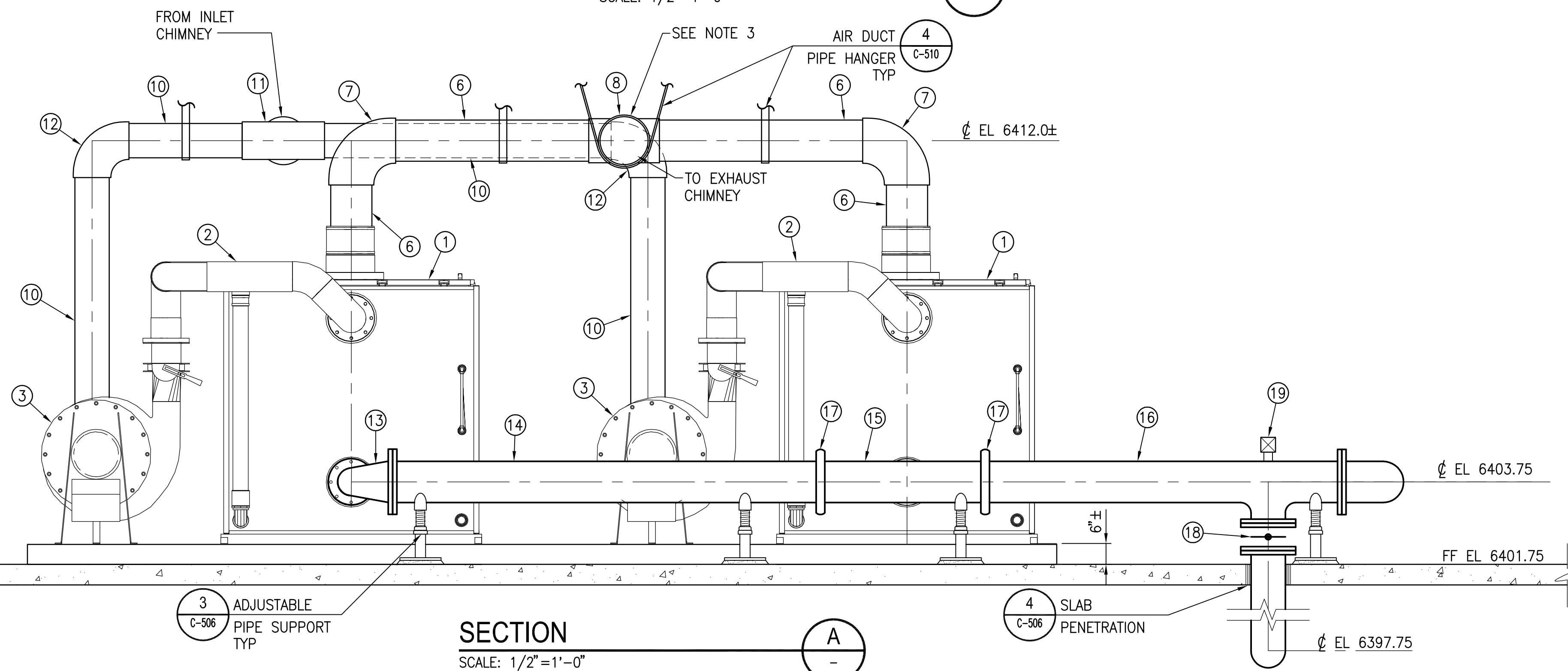
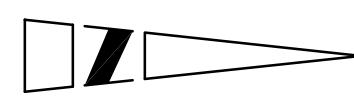
1. DEEP BUBBLE AERATION SYSTEM TO INCLUDE CENTRIFUGAL BLOWERS W/SILENCERS, FILTERS AND PRE-FABRICATED BLOWER DISCHARGE PIPING.
2. CONSTRUCT BLOWER INLET AND AERATOR EXHAUST DUCTS OF PVC PLASTIC CONFORMING TO ASTM D1784. PVC DUCT, FITTINGS AND TOLERANCES SHALL CONFORM TO THE REQUIREMENTS OF THE SMACNA THERMOPLASTIC CONSTRUCTION MANUAL.
3. SLOPE AERATOR EXHAUST DUCT UPWARD 1/8"/FT FROM AERATOR UNITS TO EXHAUST CHIMNEY.



AERATOR PIPING PLAN

SCALE: 1/2"=1'-0"

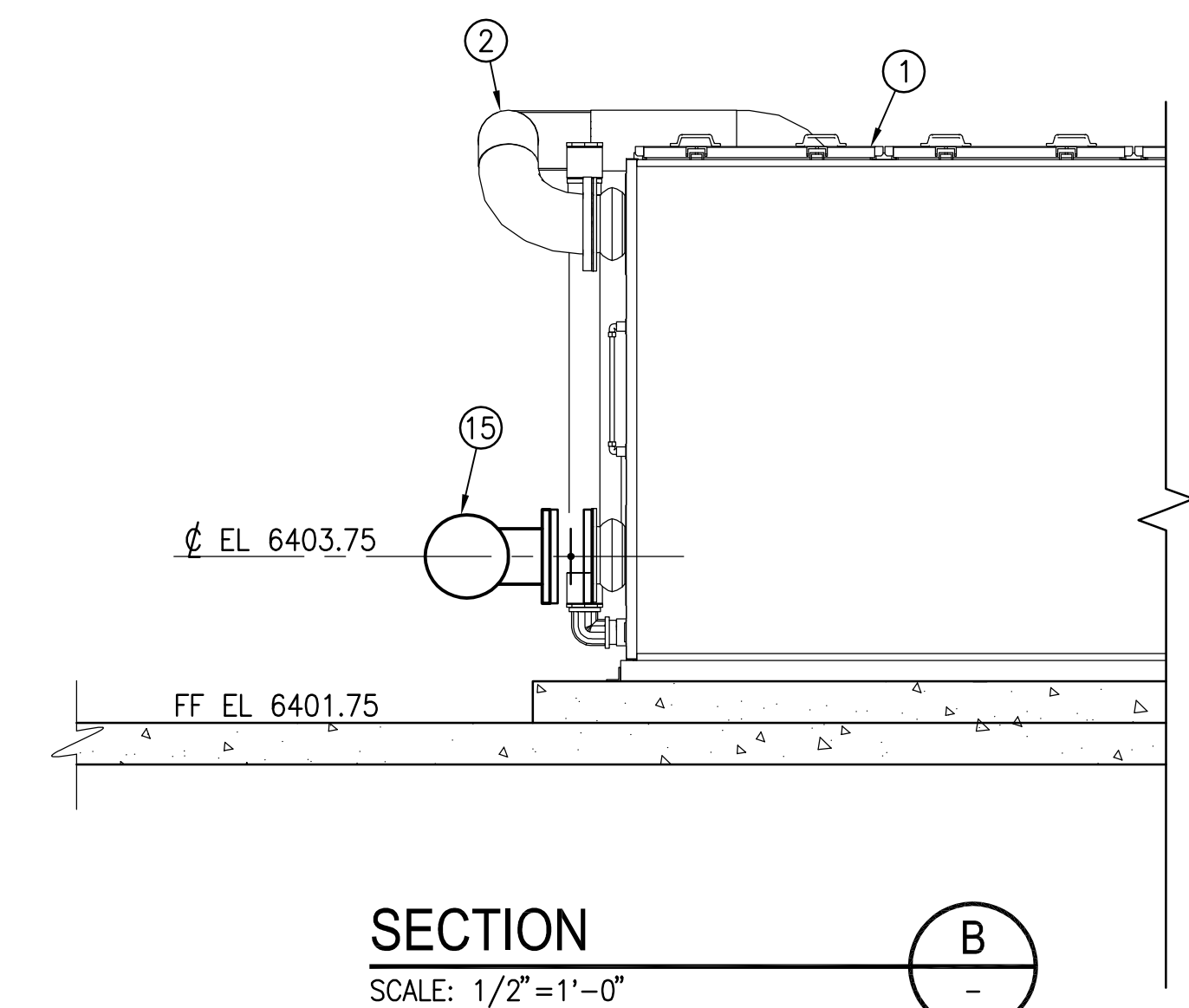
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SECTION A

SCALE: 1/2"=1'-0"

A



SECTION B

SCALE: 1/2"=1'-0"

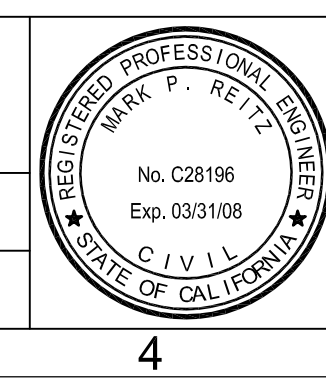
B

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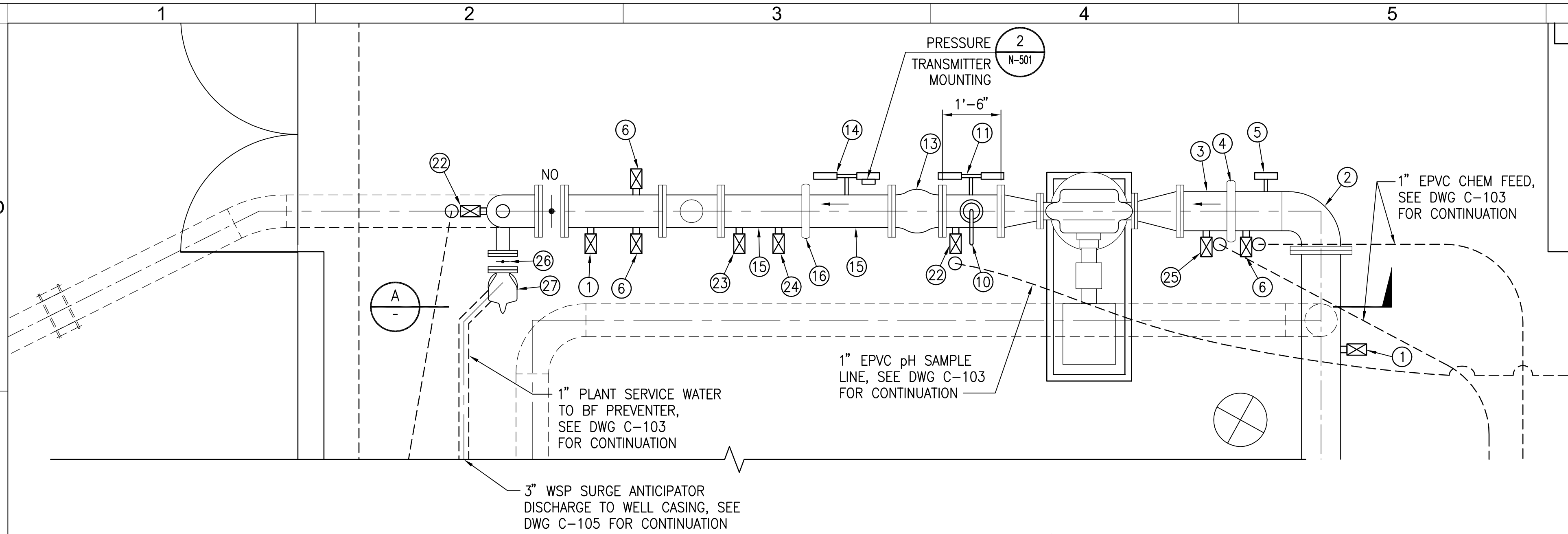
VERIFY SCALES
 BAR IS ONE INCH ON ORIGINAL DRAWING
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DESIGNED BY RKB	PROJECT ENGINEER MARK P. REITZ
DRAWN BY DLR	REG NUMBER C28196
CHECKED BY MPR	EXP DATE 3/31/08
DATE Jul-07	PROJECT NUMBER 16642.00-0001
	CADD STANDARDS BOYLE

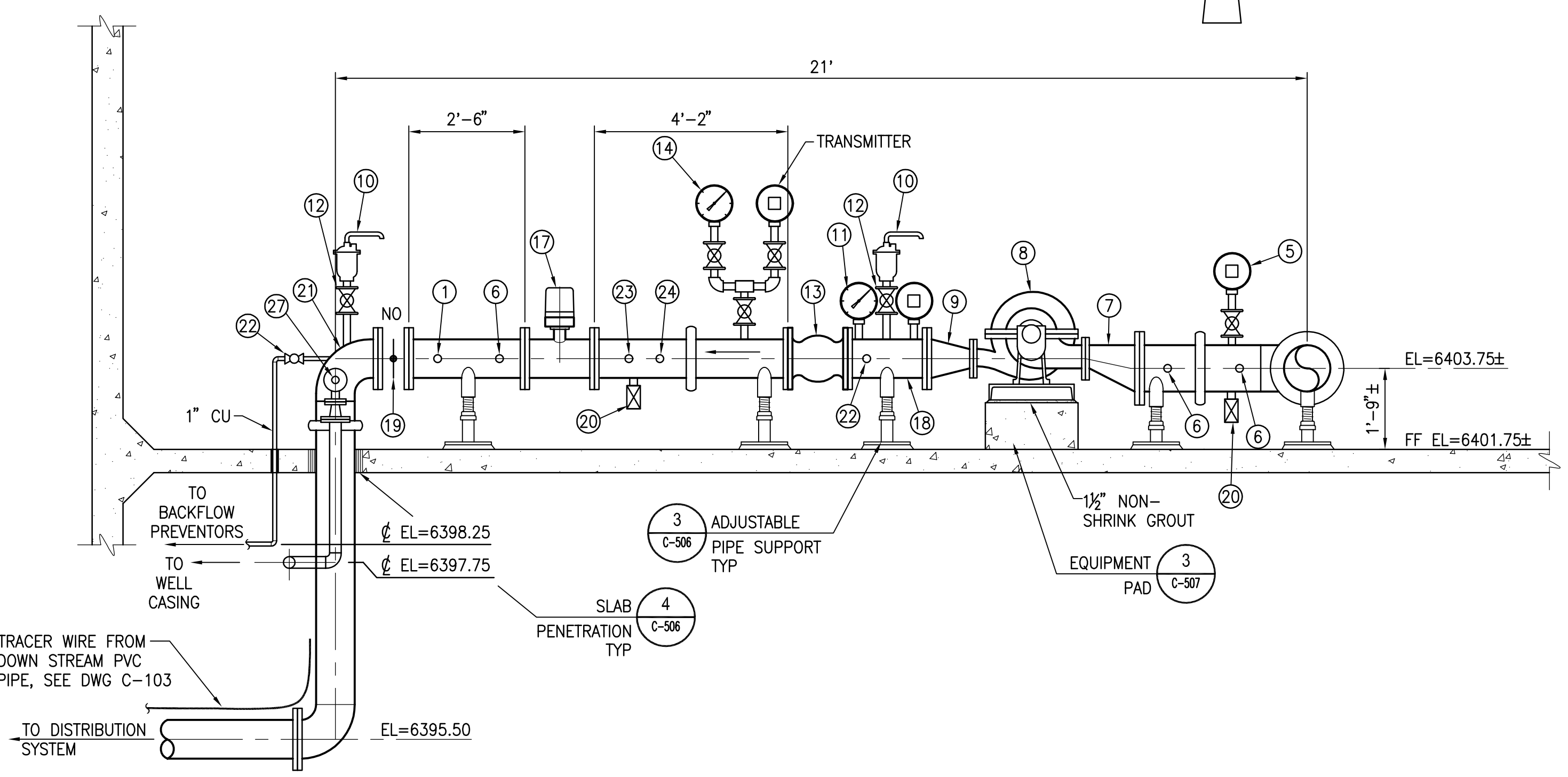


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SOUTH TAHOE PUBLIC UTILITY DISTRICT SOUTH UPPER TRUCKEE WELL NO. 3		Dec-09
AERATOR PIPING DETAILS		DRAWING C-502
		SHEET 23
		OF 48 SHEETS



DISCHARGE PIPING PLAN
SCALE: 1/2" = 1'-0"



SECTION
SCALE: 1/2" = 1'-0"

- MATERIALS LIST**
- ① 1/2" SAMPLING TAP (C-506)
 - ② 12" WSP SPECIAL, FLG x GRV
 - ③ 12" WSP SPOOL, FLG x GROOVED END
 - ④ 12" GROOVED END COUPLING
 - ⑤ PRESSURE SWITCH (C-506)
 - ⑥ 1" THREDOLET W/ BRASS PLUG ROTATED DOWN 45° FROM HORIZONTAL
 - ⑦ 12"x6" FLEXIBLE ECCENTRIC REDUCER (BOTTOM TO SLOPE UP), PROCO SERIES RE OR EQUAL
 - ⑧ HORIZONTAL SPLIT CASE PUMP PER SPEC SECTION 432111
 - ⑨ 5"x 10" FLEXIBLE CONCENTRIC REDUCER, PROCO SERIES RC OR EQUAL
 - ⑩ 2" TYPE 1203 AIR/VACUUM VALVE W/GALV PIPE AND FITTINGS @ OUTLET
 - ⑪ PRESSURE GAUGE AND PRESSURE SWITCH (C-506)
 - ⑫ 2" TYPE 300 BALL VALVE
 - ⑬ 10" TYPE 790 SILENT GLOBE CHECK VALVE
 - ⑭ PRESSURE GAUGE (0-150psi) AND TRANSMITTER (C-506)
 - ⑮ 10" WSP SPOOL, FLG x GROOVED END
 - ⑯ 10" GROOVED COUPLING
 - ⑰ 10" MAG FLOWMETER, SIEMENS FM MAGMETER MAG 5100W W/MAGFLOW MAG 5000 TRANSMITTER
 - ⑱ 10" WSP SPOOL, FLGx FLG
 - ⑲ 10" TYPE 200 BFV
 - ⑳ 1" THREDOLET W/ TYPE 300 BALL VALVE
 - ㉑ 10" WSP SPECIAL, FLG x GRV
 - ㉒ 1" THREDOLET W/1" BALL VALVE
 - ㉓ 1 1/2" THREDOLET W/ 1 1/2" METAL SAMPLES (PHONE (256) 358-4202) MODEL LP17-02-10-100-000 PLUG AND (3) MODEL EL584192800100 CDA 110 S/O 95004 COPPER PROBES
 - ㉔ 1 1/2" THREDOLET W/ 1 1/2" METAL SAMPLES (PHONE (256) 358-4202) MODEL LP17-02-10-100-000 PLUG AND (3) MODEL EL5582152800100 SN5/P695 S/O 95005 LEAD-TIN PROBES
 - ㉕ SODIUM HYPOCHLORITE INJECTION TAP (BY OTHERS) (C-506)
 - ㉖ 2" TYPE 230 LUG STYLE BFV
 - ㉗ 2" TYPE 1321 ANGLE SURGE ANTICIPATING VALVE W/ 2"x3" CONCENTRIC REDUCER
NOTE: TO AVOID INTERFERENCE BETWEEN BFV ACTUATOR AND SURGE ANTICIPATING VALVE, USE HANDWHEEL ACTUATOR ON BFV.
- RECORD DRAWINGS**
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09/25/09		RECORD DRAWING	MPR

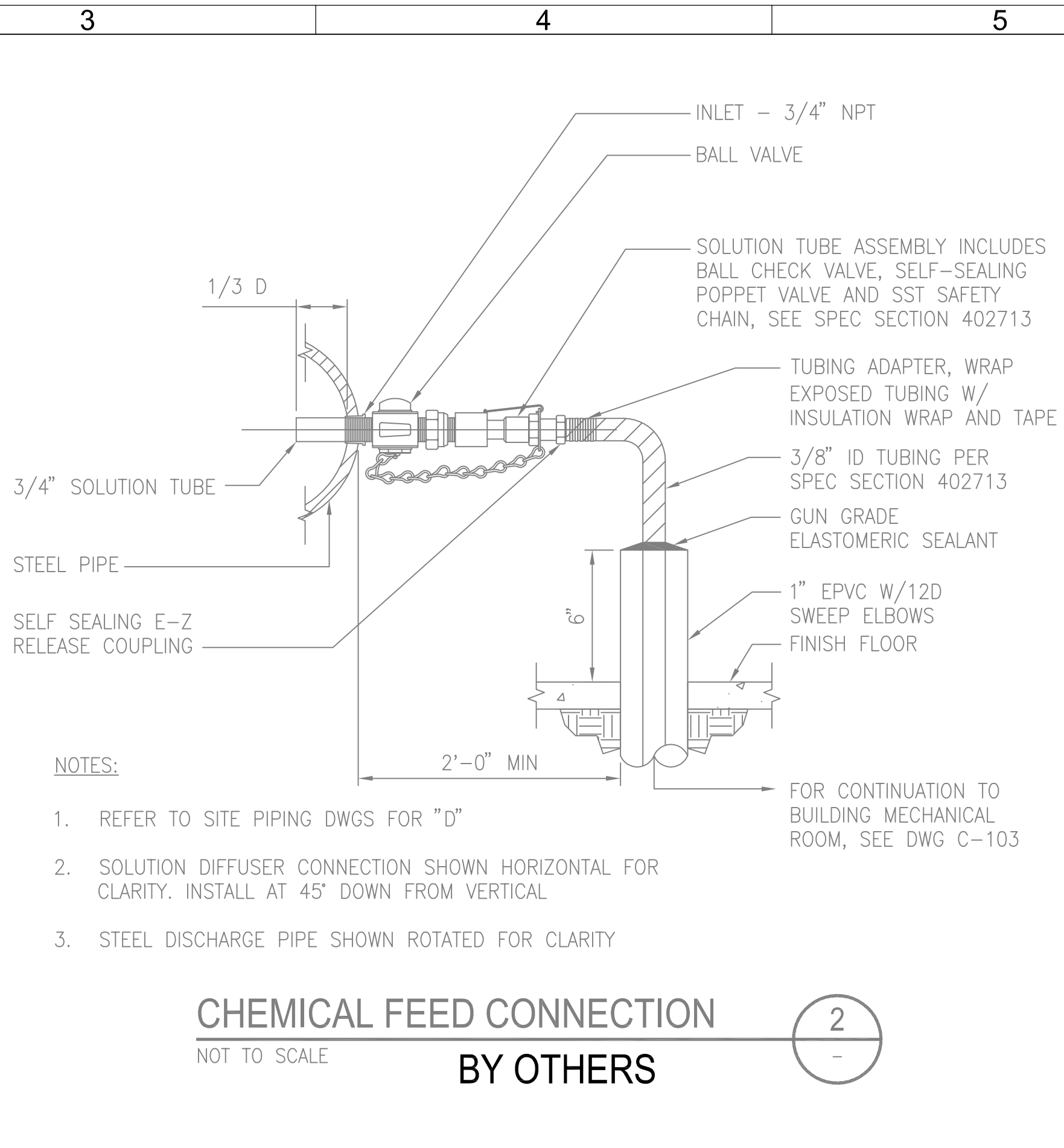
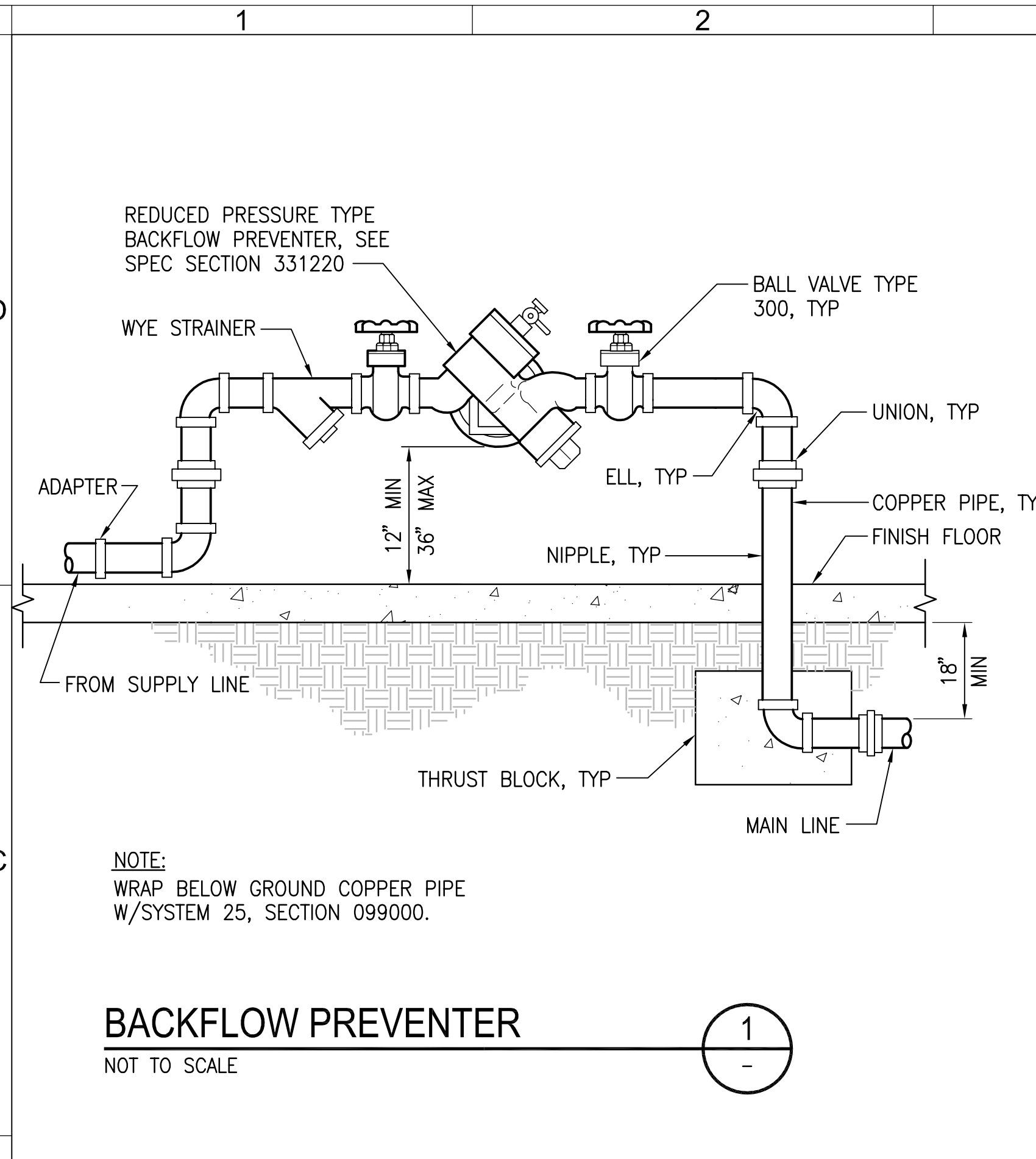
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DRAWN BY	DLR	REG NUMBER	C28196
CHECKED BY	MPR	EXP DATE	3/31/08
DATE	Jul-07	PROJECT NUMBER	16642.00-0001
		CADD STANDARDS	BOYLE

REGISTERED PROFESSIONAL ENGINEER
 MARK P. REITZ
 No. C28196
 Exp. 03/31/08
 CIVIL
 STATE OF CALIFORNIA

BOYLE
ENGINEERING CORPORATION

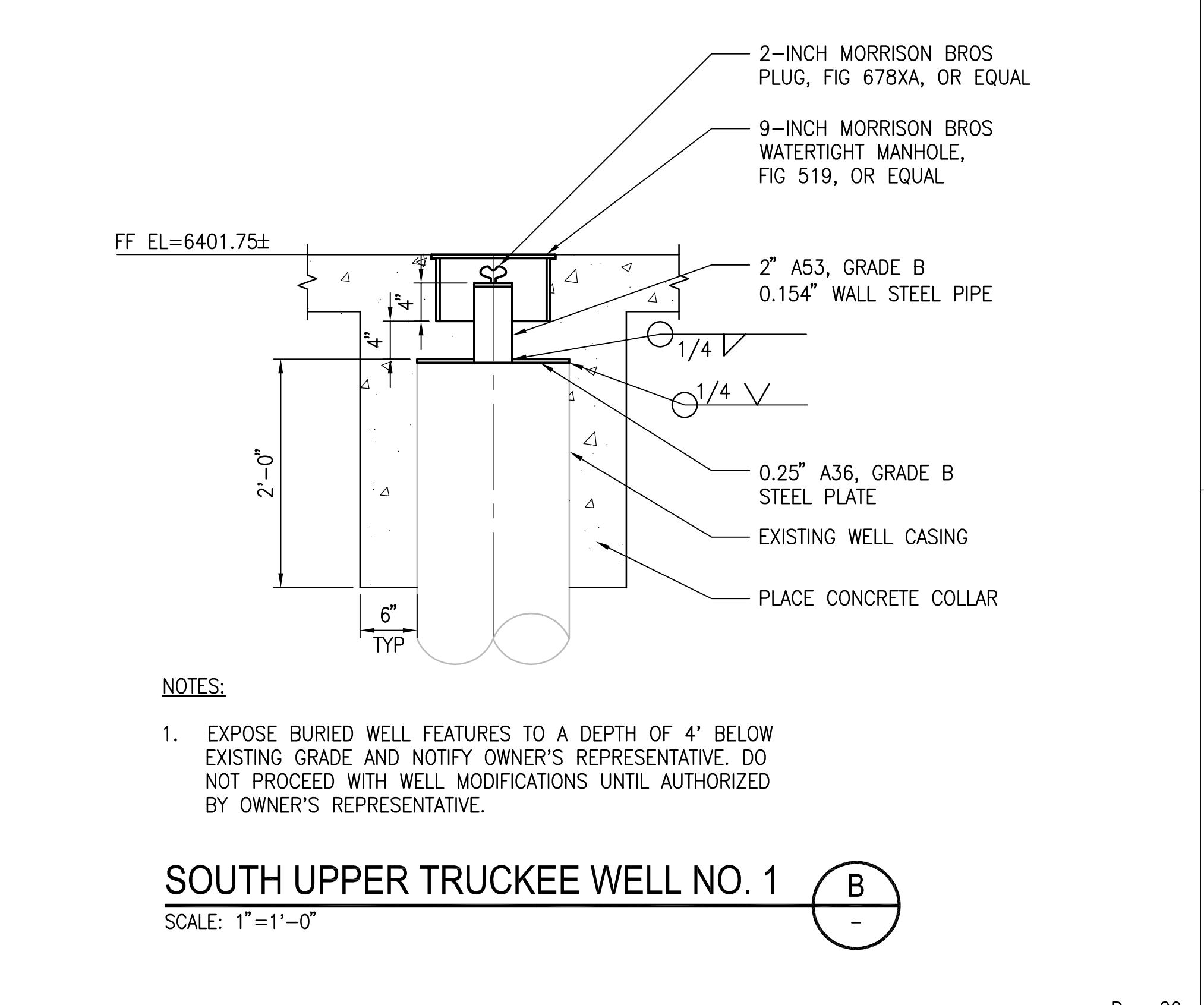
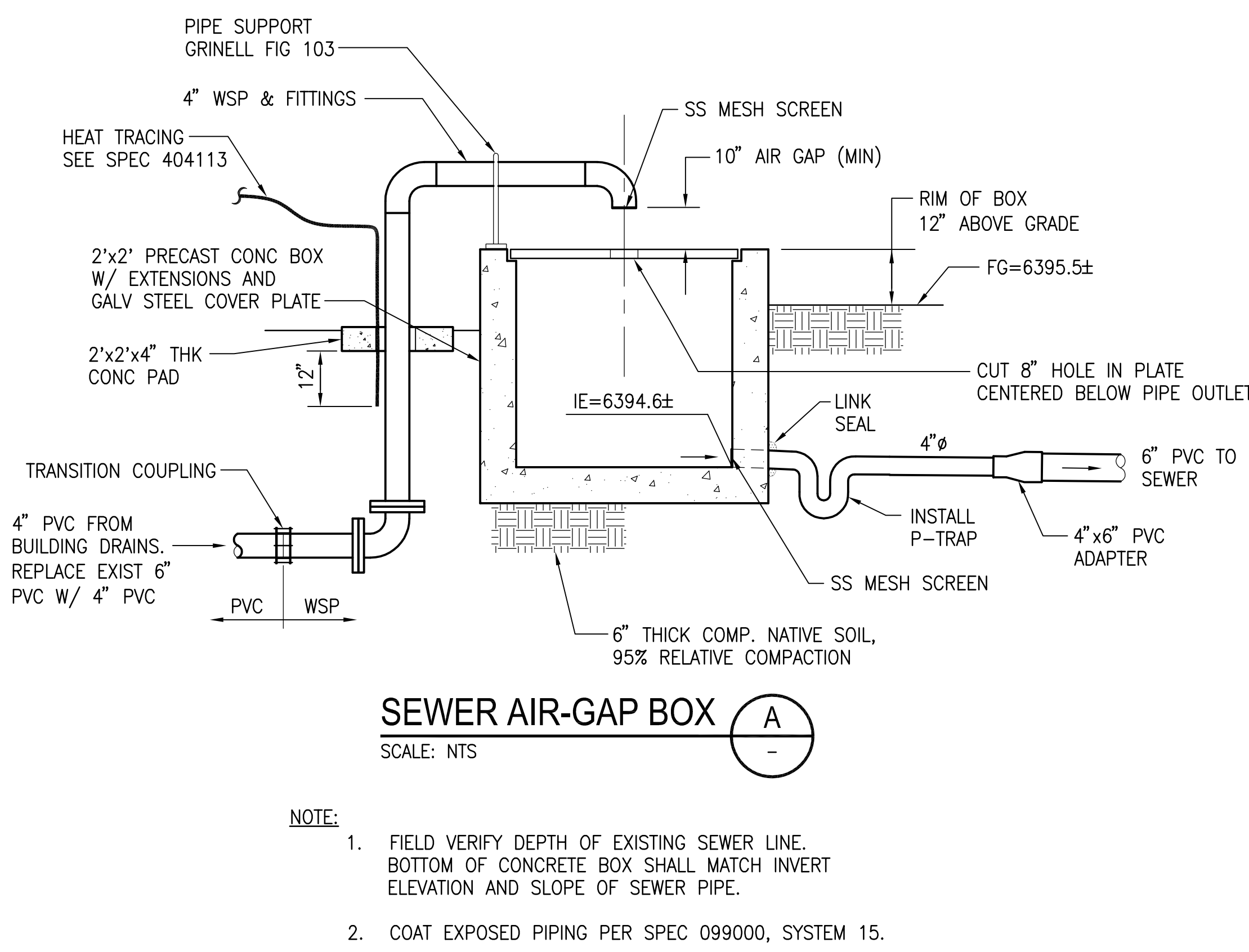
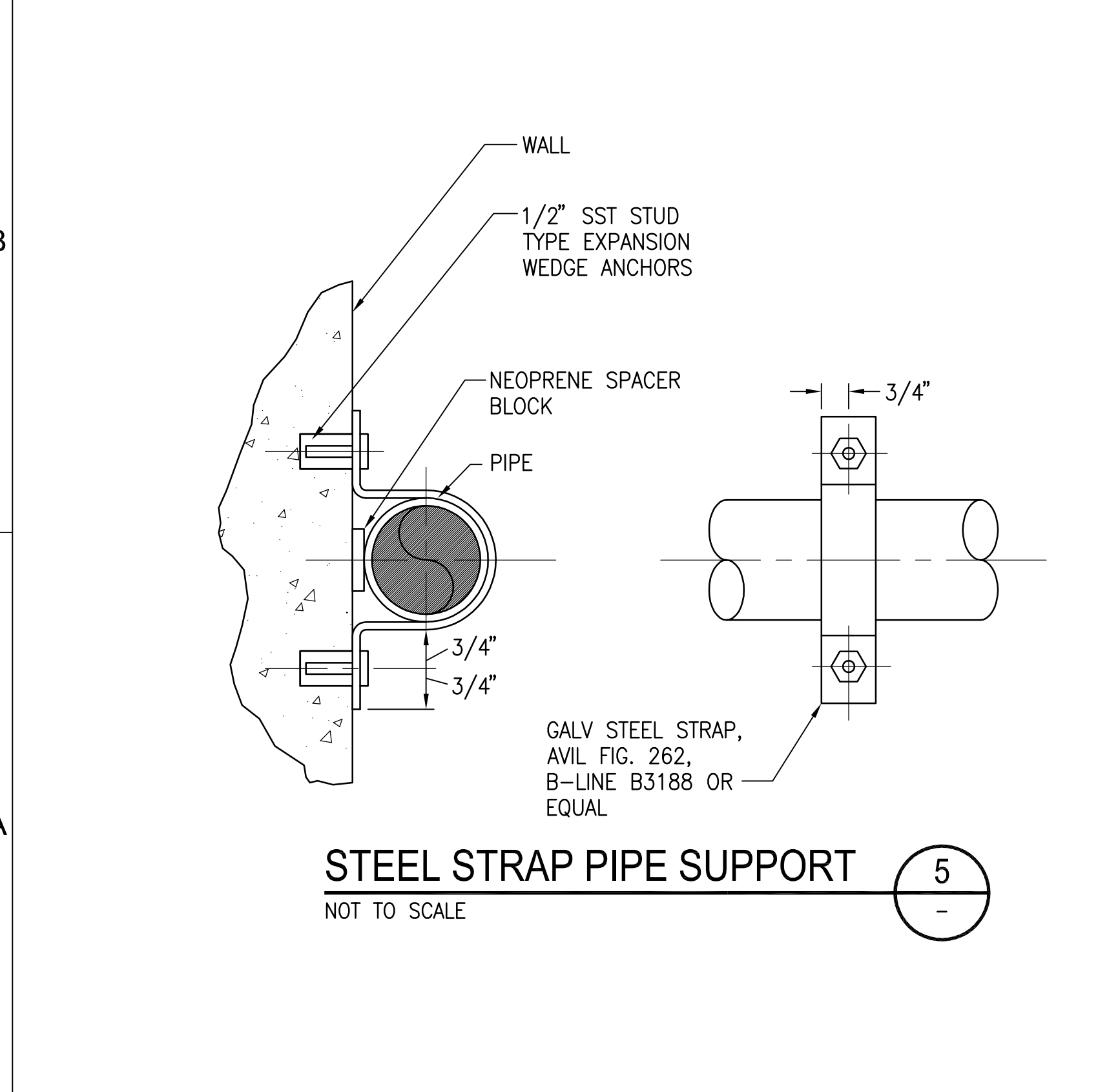
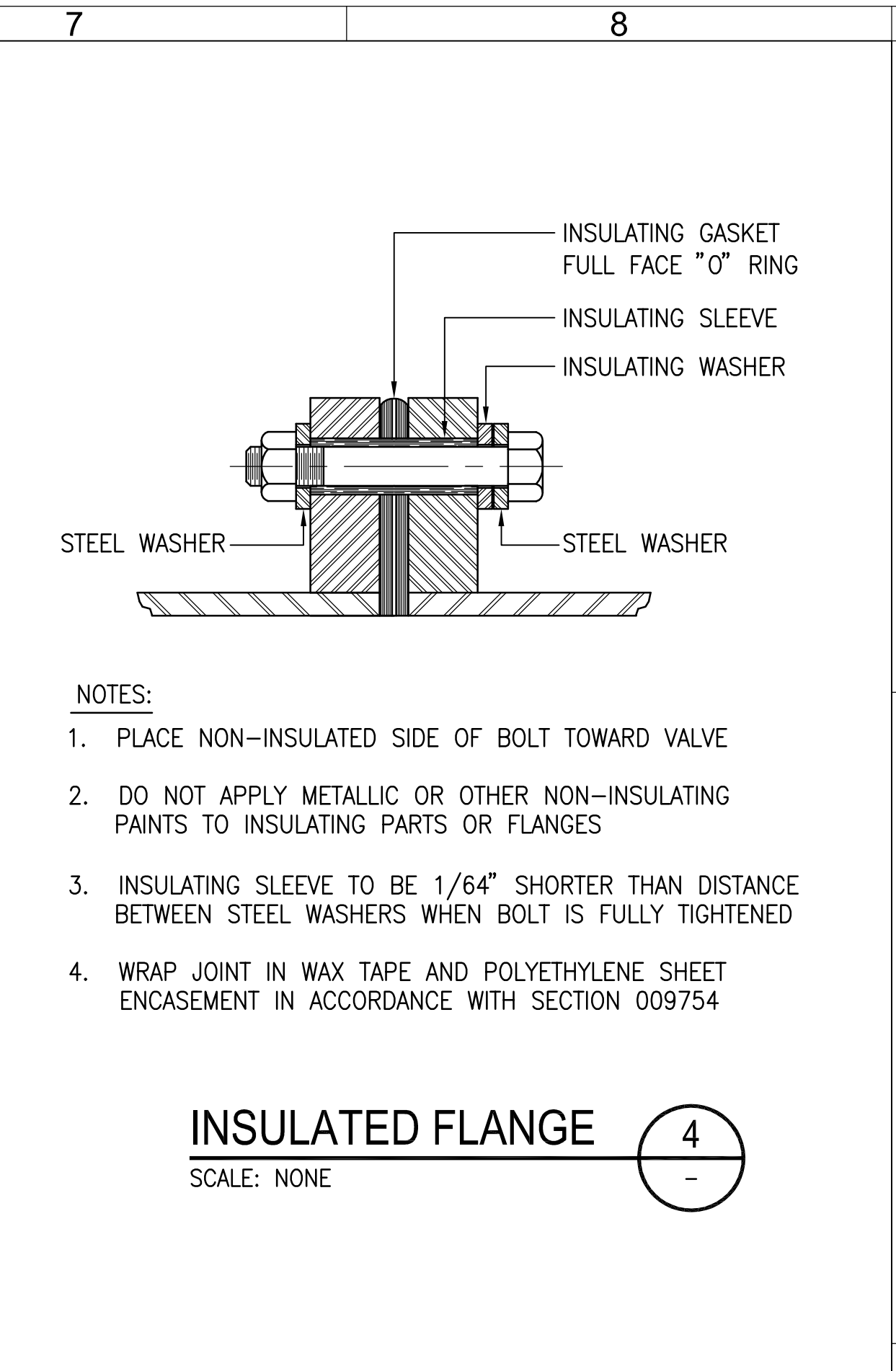
1360 E. Spruce Avenue Suite 101
Fresno, California 93720 559-448-8222
WWW.BOYLEENGINEERING.COM

Dec-09
SOUTH TAHOE PUBLIC UTILITY DISTRICT SOUTH UPPER TRUCKEE WELL NO. 3
DRAWING C-503
SHEET 24 OF 48 SHEETS
BOOSTER PUMP PIPING PLAN & SECTION



RECORD DRAWINGS

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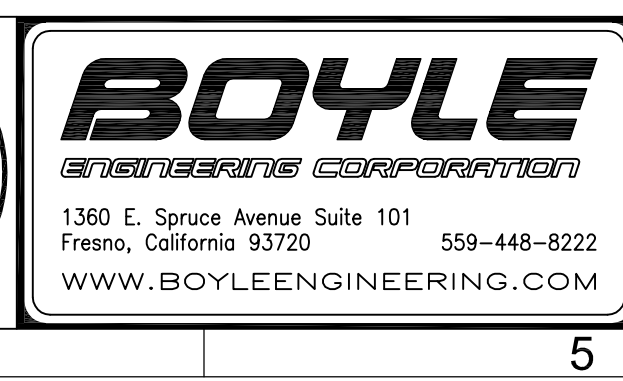
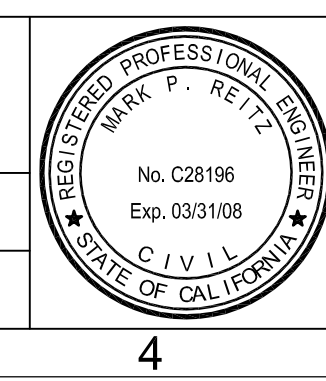


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REV	DATE	DESCRIPTION	APPR
09/25/09		RECORD DRAWING	MPR

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

DESIGNED BY	RKB	PROJECT ENGINEER	MARK P. REITZ
DRAWN BY	DLR	REG NUMBER	C28196
CHECKED BY	MPR	PROJECT NUMBER	16642.00-0001
DATE	Jul-07	CADD STANDARDS	BOYLE



SOUTH TAHOE PUBLIC UTILITY DISTRICT SOUTH UPPER TRUCKEE WELL NO. 3		DRAWING	C-505
MISCELLANEOUS DETAILS		SHEET	26
		OF 48 SHEETS	

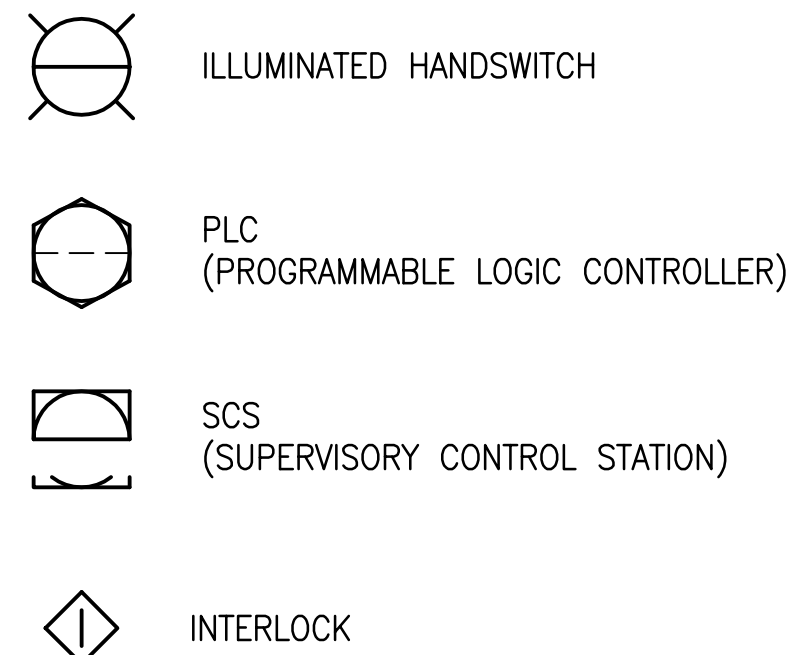
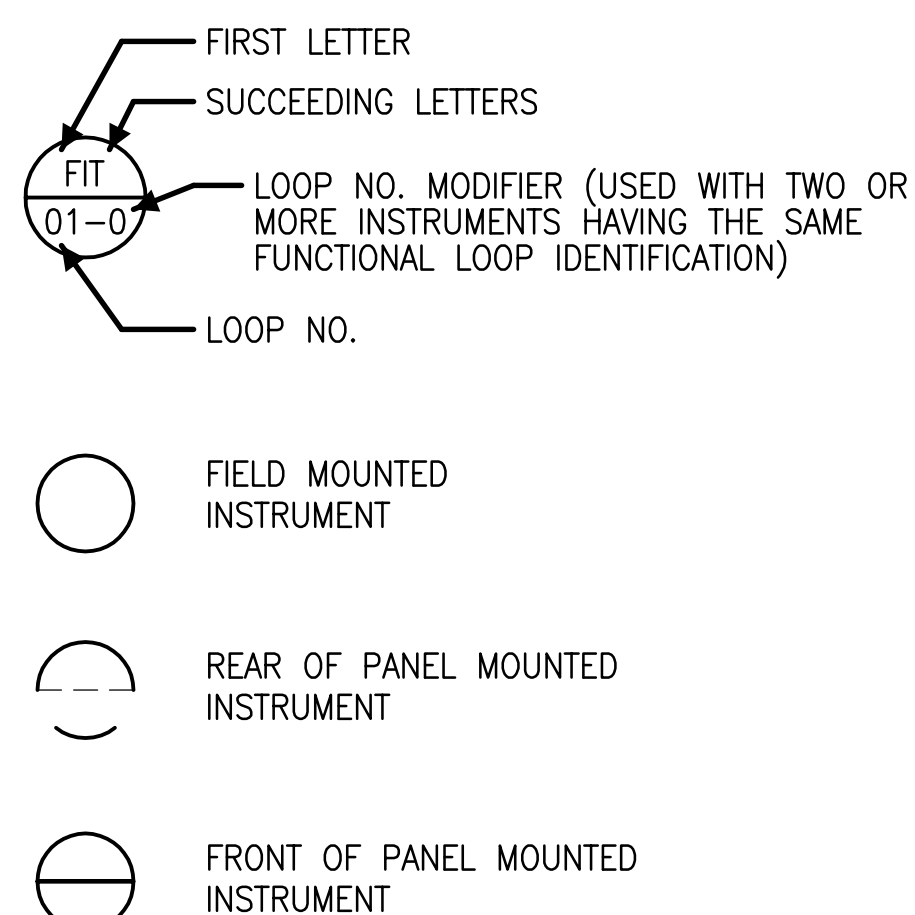
Dec-09

INSTRUMENT SOCIETY OF AMERICA TABLE

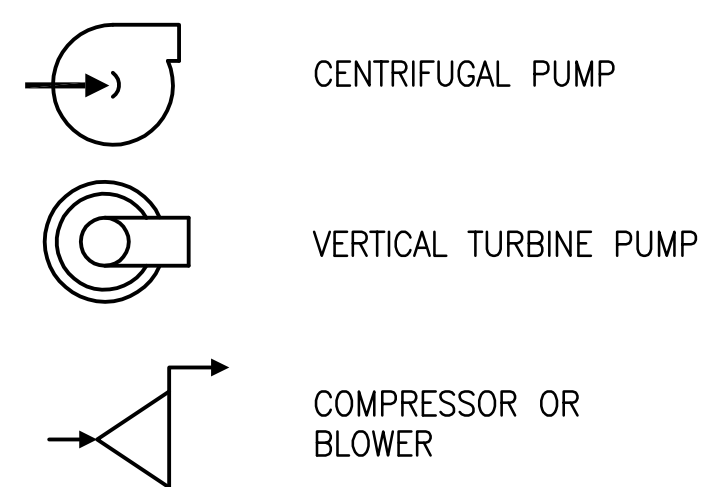
IDENTIFICATION LETTERS

	FIRST-LETTER		SUCCEEDING-LETTERS		
	MEASURED OR INITIATING VARIABLE	MODIFIER	READOUT OR PASSIVE FUNCTION	OUTPUT FUNCTION	MODIFIER
A	ANALYSIS		ALARM		
B	BURNER, COMBUSTION		USER'S CHOICE	USER'S CHOICE	USER'S CHOICE
C	CONDUCTIVITY			CONTROL	
D	USER'S CHOICE	DIFFERENTIAL			
E	VOLTAGE		SENSOR (PRIMARY ELEMENT)		
F	FLOW RATE	RATIO (FRACTION)			
G	USER'S CHOICE		GLASS, VIEWING DEVICE		
H	HAND				HIGH
I	CURRENT (ELECTRICAL)		INDICATE		
J	POWER	SCAN			
K	TIME, TIME SCHEDULE	TIME RATE OF CHANGE		CONTROL STATION	
L	LEVEL		LIGHT		LOW
M	USER'S CHOICE	MOMENTARY			MIDDLE, INTERMEDIATE
N	USER'S CHOICE		PLC/RTU INPUT	USER'S CHOICE	NORMAL
O	USER'S CHOICE		ORIFICE, RESTRICTION		
P	PRESSURE, VACUUM		POINT (TEST) CONNECTION		
Q	QUANTITY	INTEGRATE, TOTALIZE			
R	RADIATION		RECORD		
S	SPEED, FREQUENCY	SAFETY		SWITCH	
T	TEMPERATURE			TRANSMIT	
U	MULTIVARIABLE		MULTIFUNCTION	MULTIFUNCTION	MULTIFUNCTION
V	VIBRATION, MECHANICAL ANALYSIS			VALVE, DAMPER LOUVER	
W	WEIGHT, FORCE		WELL		
X	UNCLASSIFIED	X AXIS	UNCLASSIFIED(*)	UNCLASSIFIED(*)	UNCLASSIFIED(*)
Y	EVENT, STATE OR PRESENCE	Y AXIS		RELAY, COMPUTE CONVERT	
Z	POSITION, DIMENSION	Z AXIS		DRIVER, ACTUATOR, UNCLASSIFIED FINAL CONTROL ELEMENT	

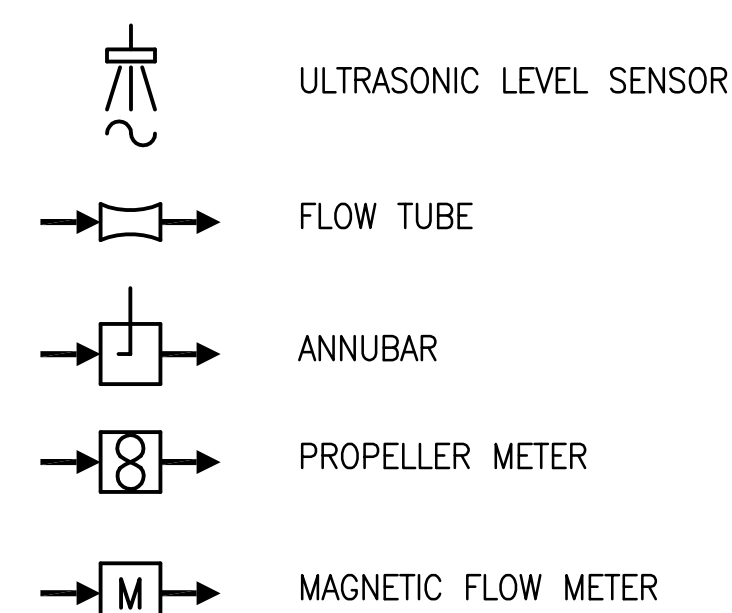
INSTRUMENT IDENTIFICATION



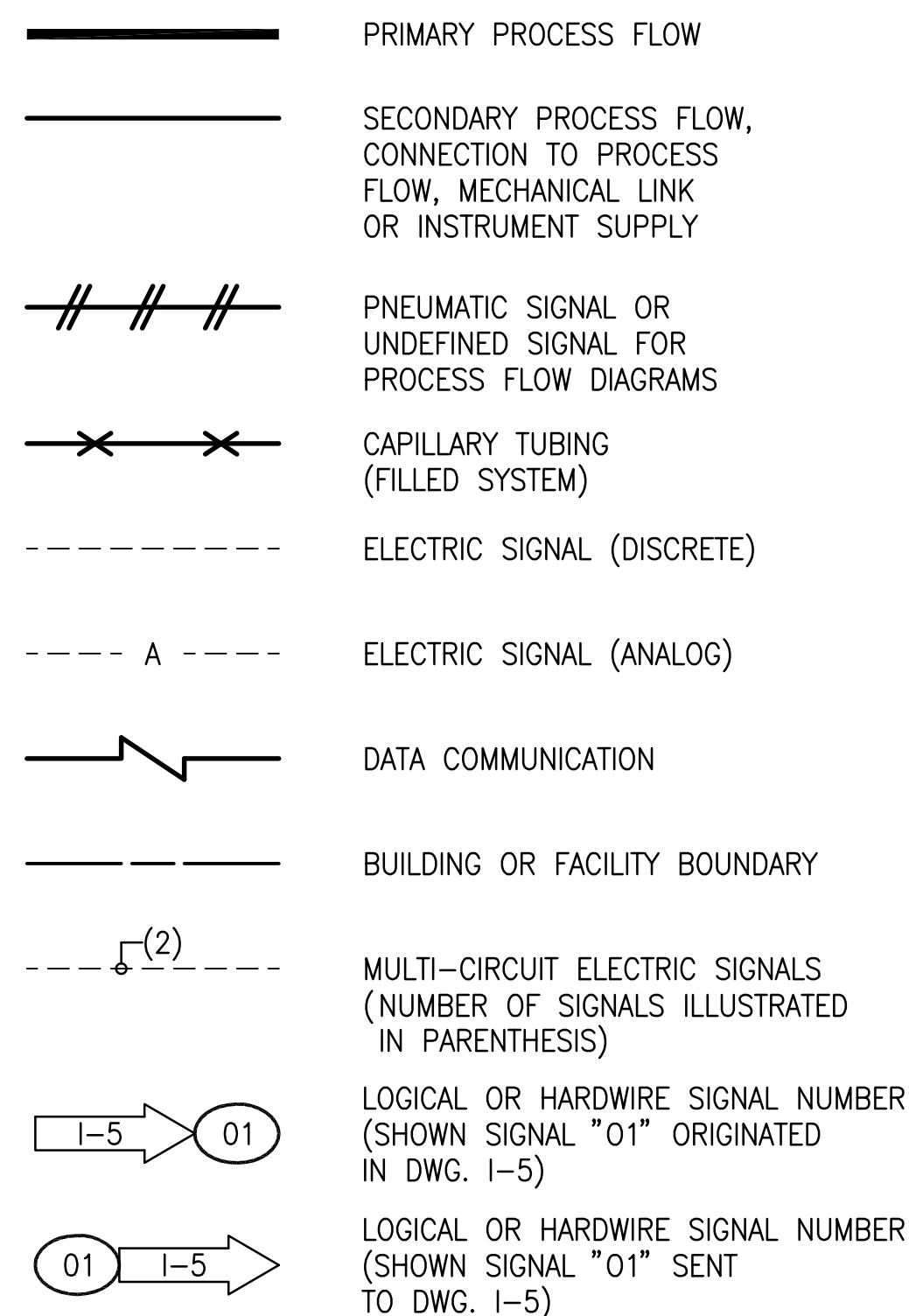
PUMPS & COMPRESSORS



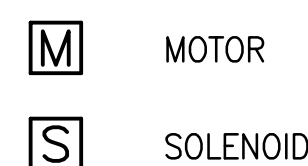
PRIMARY ELEMENTS



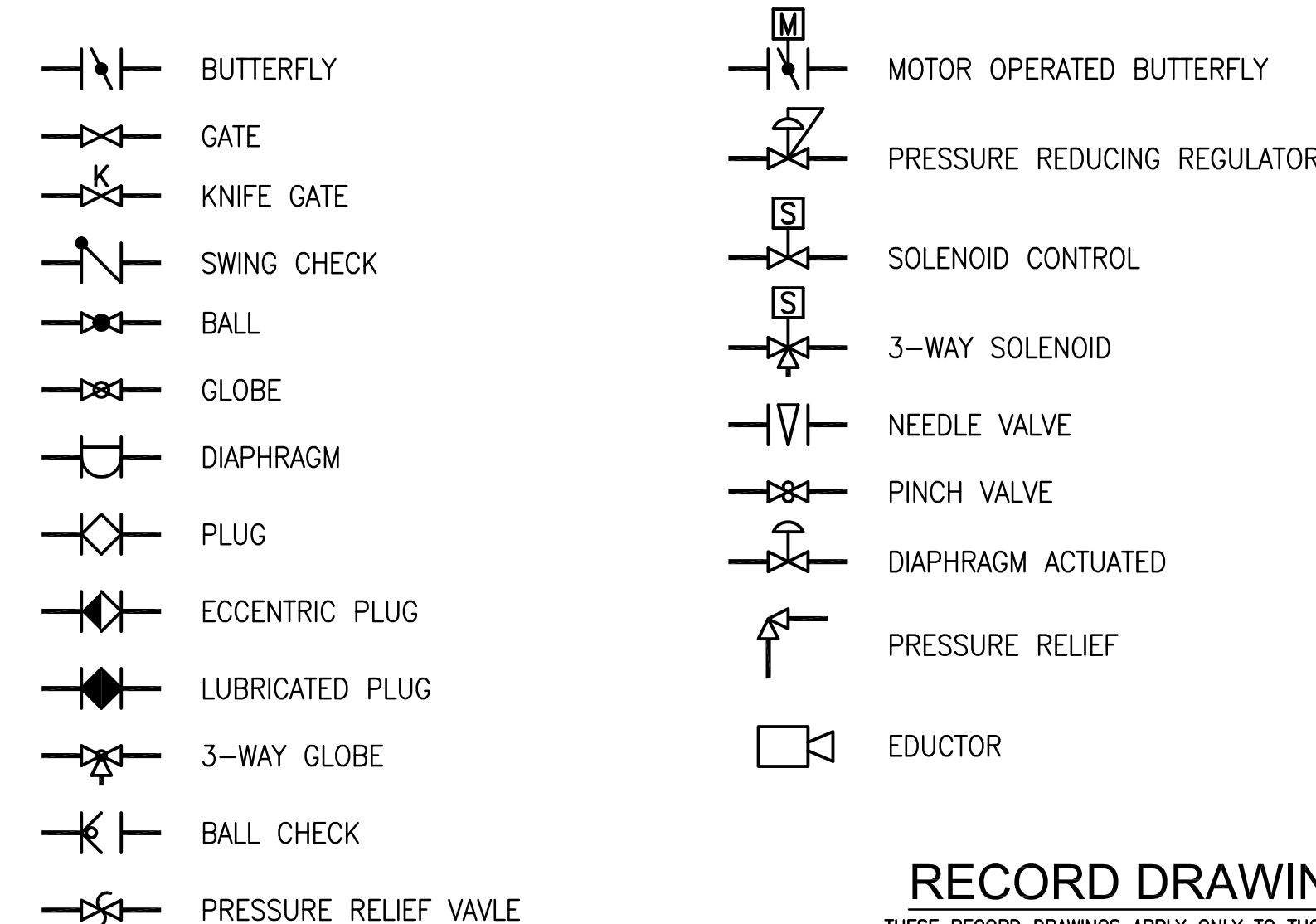
INSTRUMENT LINE SYMBOLS



ACTUATORS OR OPERATORS



VALVES & GATES



RECORD DRAWINGS

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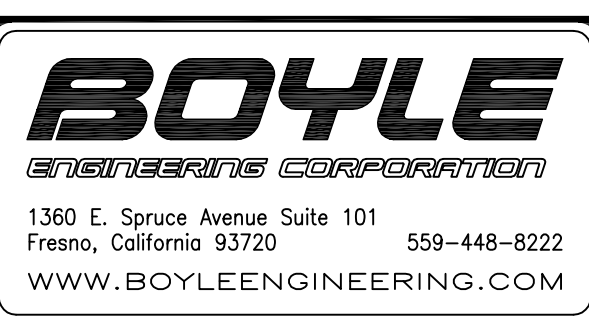
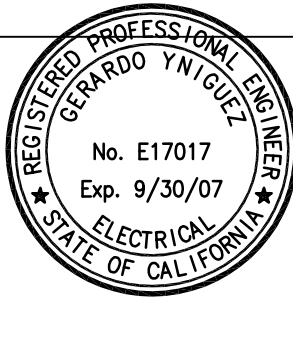
INSTRUMENT ABBREVIATIONS

AL	ALARM	OIC	OPEN-INTERMEDIATE-CLOSED
AC	ALTERNATING CURRENT	OSCA	OPEN-STOP-CLOSE-AUTO
AI	ANALOG INPUT	OOR	ON-OFF-REMOTE
AO	ANALOG OUTPUT	O	OPEN
AM	AUTO-MANUAL	OO	ON-OFF
AMR	AUTO-MANUAL-REMOTE	OOA	ON-OFF-AUTO
AVG	AVERAGE	ORO	OFF-RESET-ON
		OC	OPEN-CLOSE
BW	BACKWASH	OSC	OPEN-STOP-CLOSE
CA	COMMON ALARM	OSCR	OPEN-STOP-CLOSE-REMOTE
C	CLOSE	OCA	OPEN-CLOSE-AUTO
CCC	CENTRAL CONTROL CENTER	P/A	PULSE TO ANALOG
CP	CONTROL PANEL	PF	PULSE FREQUENCY
DC	DIRECT CURRENT	PD	PULSE DURATION
DI	DISCRETE INPUT	PID	PROPORTIONAL-INTEGRAL-DERIVATIVE
DO	DISCRETE OUTPUT	PS	DC POWER SUPPLY
ETM	ELAPSED TIME METER	PC	PROGRAMMABLE CONTROLLER
HA	HAND-AUTO	P&ID	PROCESS & INSTRUMENTATION DIAGRAM
HOA	HAND-OFF-AUTO	PRV	PRESSURE RELIEF VALVE
HLO	HIGH-LOW-OFF	PRPRV	PRESSURE REDUCING-PRESSURE RELIEF VALVE
HL	HIGH-LOW	RTU	REMOTE TERMINAL UNIT
HLOR	HIGH-LOW-OFF-REMOTE	RIP	REMOTE I/O PANEL
I/O	INPUT/OUTPUT	RSP	REMOTE SET POINT
LL	LOCAL LEVEL	RL	REMOTE LEVEL
LP	LOCAL PRESSURE	SCS	SUPERVISORY CONTROL STATION
LR	LOCAL-REMOTE	SS	START-STOP
LOS	LOCK-OUT-STOP	SP	SET POINT
LOR	LOCAL-OFF-REMOTE	TD	TIME DELAY
LPU	LINE PROTECTION UNIT	TSP	TWISTED SHIELDED PAIR
LCP	LOCAL CONTROL PANEL	TURB	TURBIDITY
MCC	MOTOR CONTROL CENTER	TPC	TIME PROPORTIONAL CONTROL
MCS	MASTER CONTROL STATION	TOT	TOTALIZATION
MODEM	MODULATE-DEMODULATE	TEMP	TEMPERATURE
M3M4CA	MODE3-MODE4-CLOSE-AUTO		

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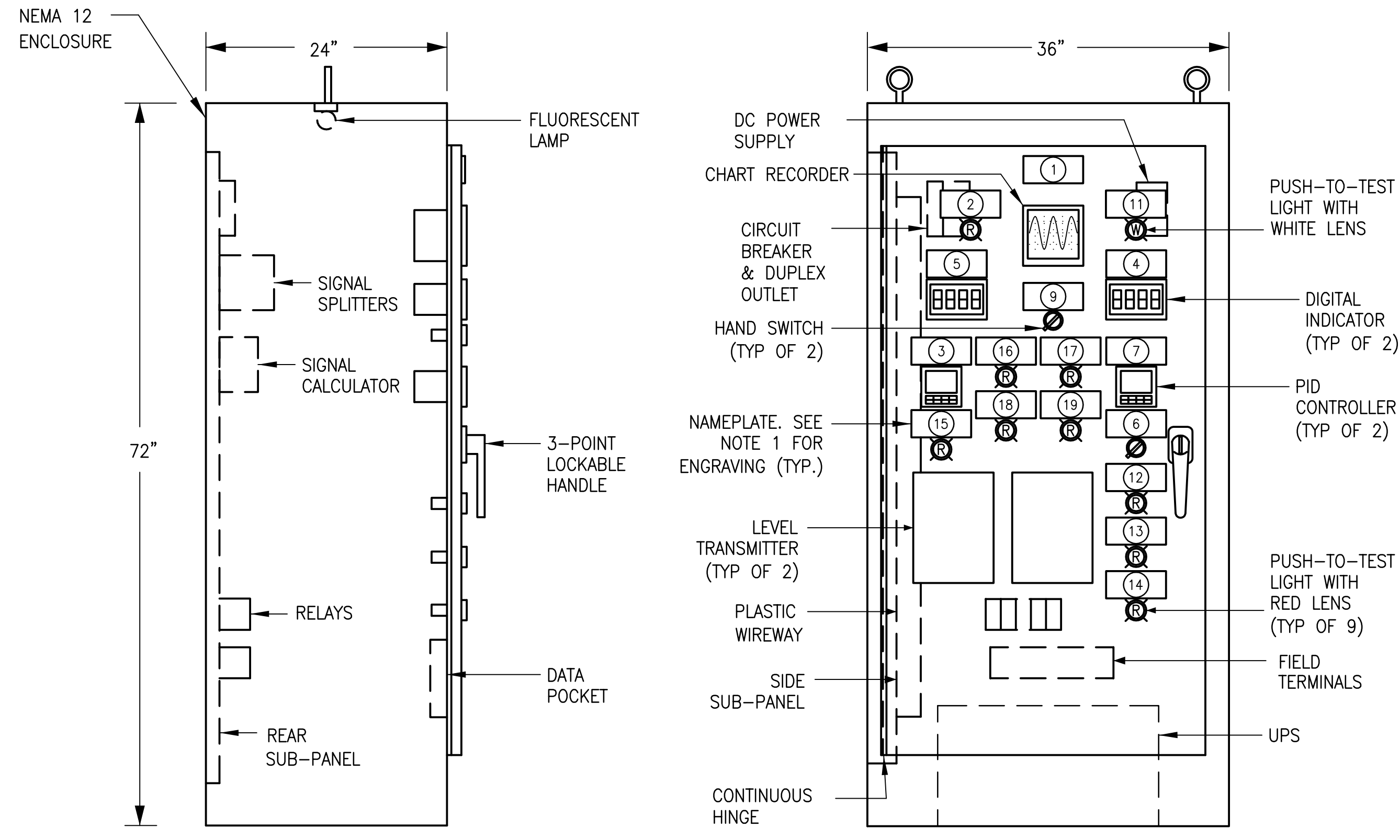
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09/25/09		RECORD DRAWING	MPR

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DRAWN BY	GY	REG NUMBER	E17017
		EXP DATE	9/30/07
CHECKED BY	MJ	PROJECT NUMBER	16642.00-0001
DATE	Jul-07	CADD STANDARDS	BOYLE



SOUTH TAHOE PUBLIC UTILITY DISTRICT SOUTH UPPER TRUCKEE WELL NO. 3		DRAWING N-001
INSTRUMENTATION LEGEND AND SYMBOLS		SHEET 32
		OF 48 SHEETS

Dec-09

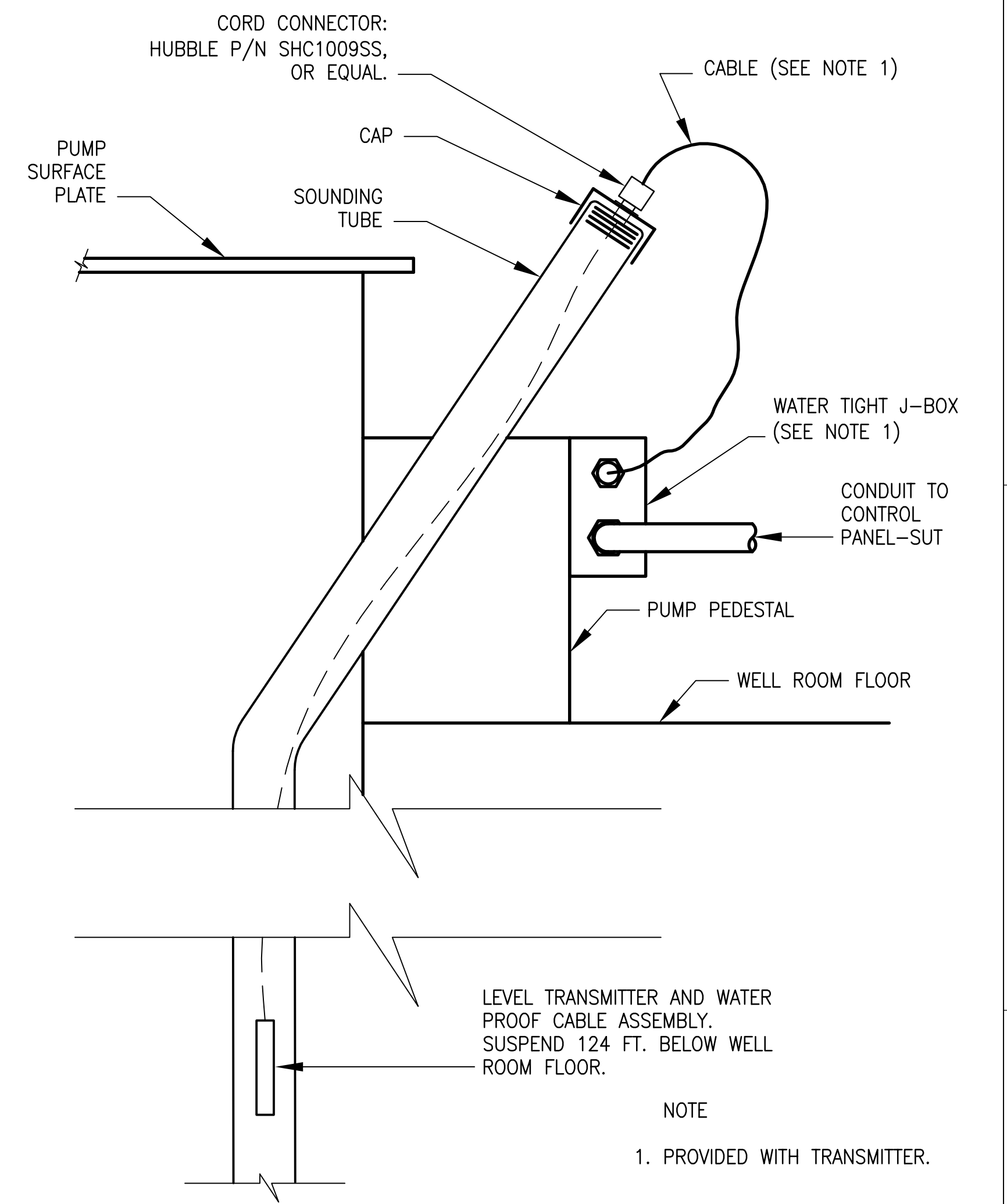


CONTROL PANEL - SUT LAYOUT
SCALE: NONE

NOTES

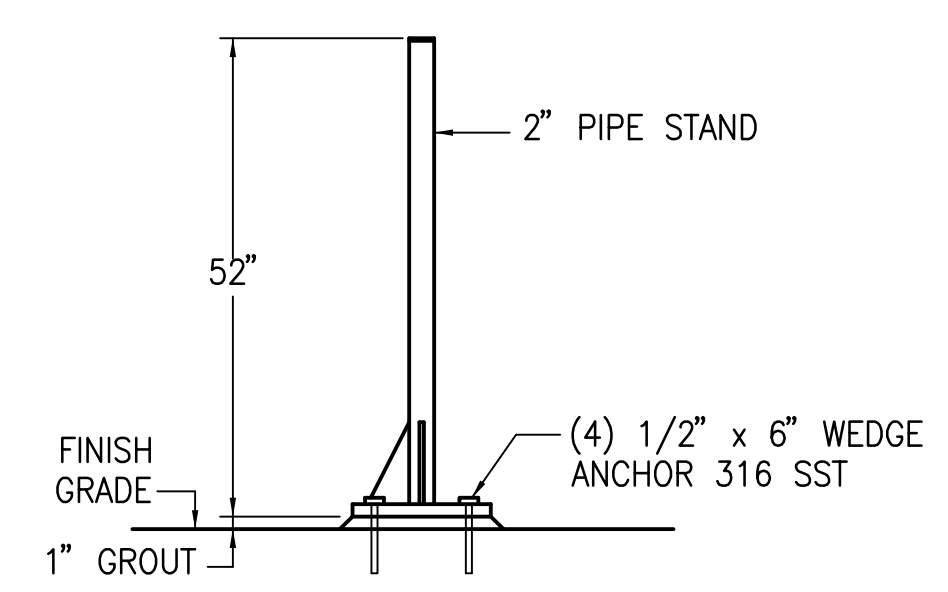
1. NAMEPLATE ENGRAVING SCHEDULE:

NOTE	ENGRAVING
①	CONTROL PANEL - SUT
②	RTU FAIL
③	VALVE CONTROLLER
④	WELL LEVEL
⑤	STATE LINE TANKS LEVEL
⑥	VFD - OFF - SOFT START
⑦	BOOSTER PUMP VFD PID CONTROLLER
⑧	LEVEL CONTROL RANGE 1 - 2 - 3
⑨	PLANT MODE AERATION - BYPASS
⑩	CHART RECORDER
⑪	POWER AVAILABLE
⑫	BOOSTER PUMP MOTOR HIGH TEMP
⑬	BOOSTER PUMP HIGH PRESSURE
⑭	BOOSTER PUMP LOW PRESSURE
⑮	WELL HIGH DISCHARGE PRESSURE
⑯	NOT USED
⑰	NOT USED
⑱	BLOWER MOTOR #1 LOW AIR FLOW
⑲	BLOWER MOTOR #2 LOW AIR FLOW

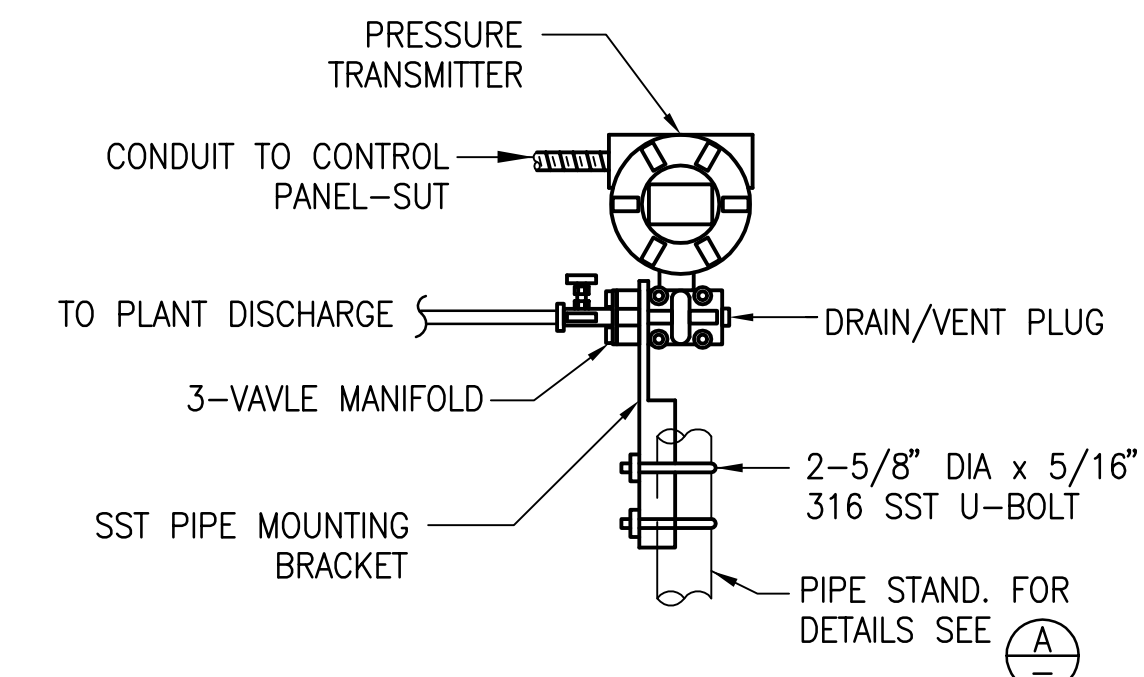


LEVEL TRANSMITTER MOUNTING DETAIL
SCALE: NONE

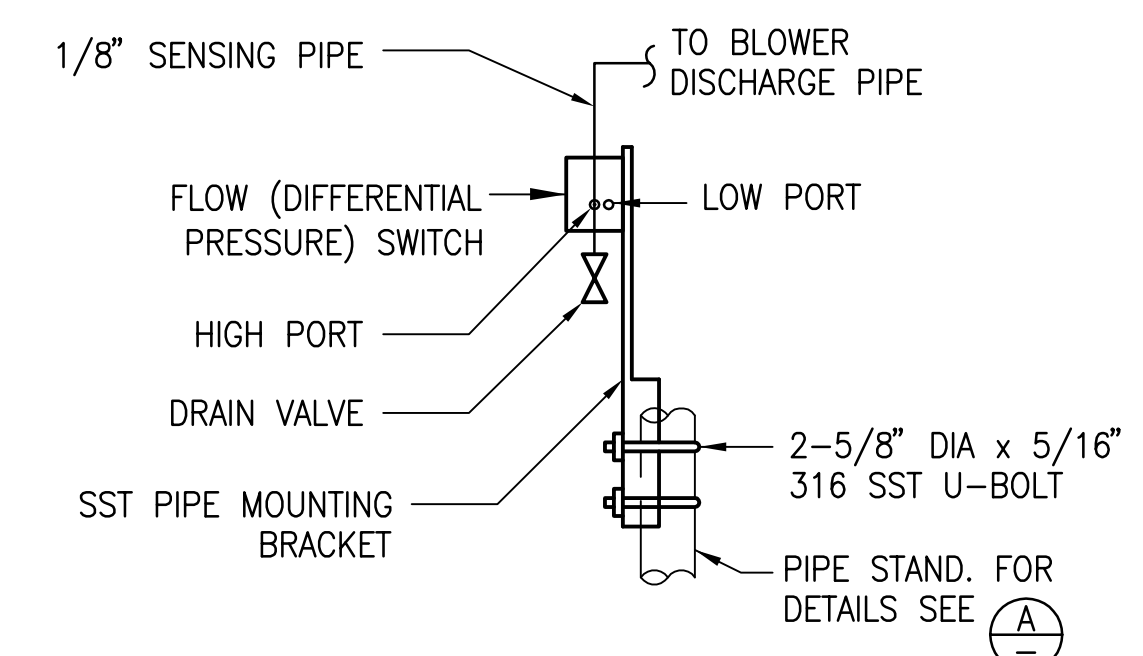
RECORD DRAWINGS
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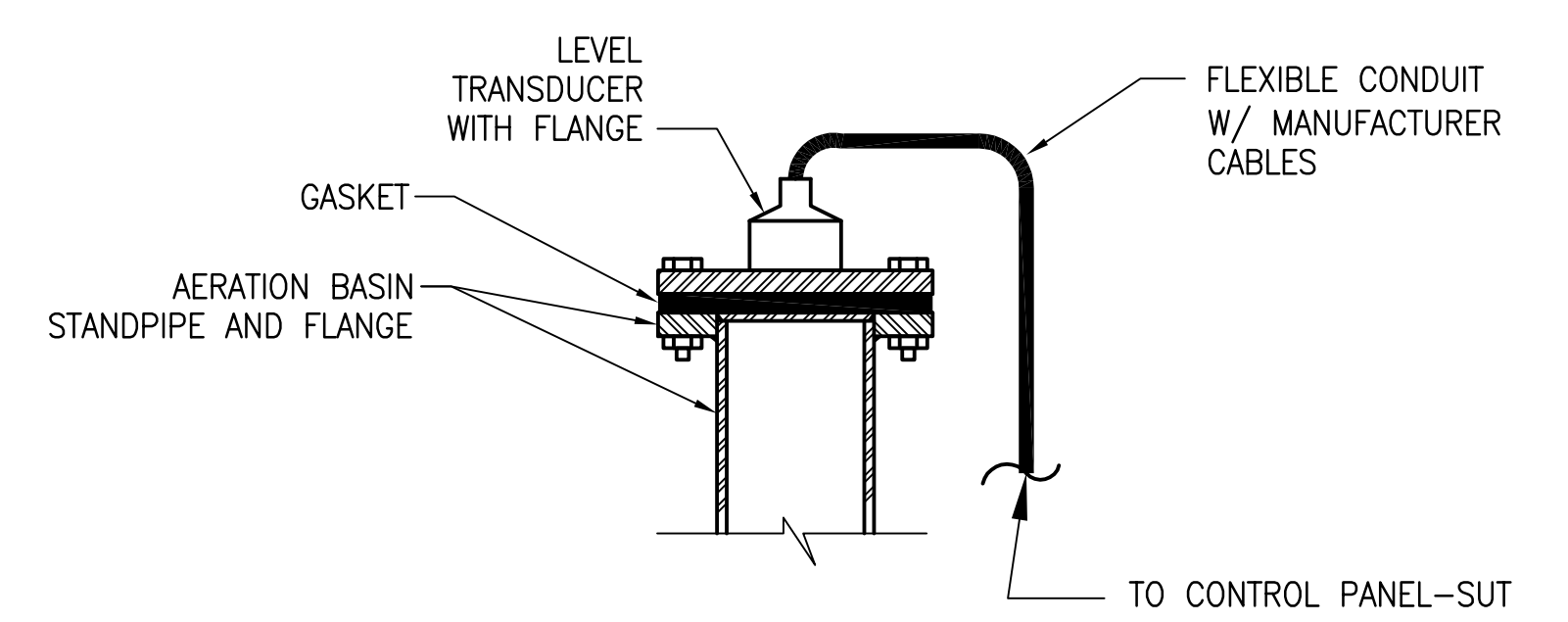
INSTRUMENT PIPE STAND MOUNTING
SCALE: NONE



PRESSURE TRANSMITTER MOUNTING
SCALE: NONE



FLOW SWITCH MOUNTING
SCALE: NONE



LEVEL TRANSMITTER MOUNTING DETAIL
SCALE: NONE

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 USER: rodriguezr
 P:\logon\CA_E
 MPR: rodriguezr
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DESIGNED BY	PROJECT ENGINEER
GY GERARDO YNIGUEZ	GERARDO YNIGUEZ
DRAWN BY	REG NUMBER
GY	E17017
CHECKED BY	EXP DATE
ES	9/30/05
DATE	PROJECT NUMBER
Jul-07	FR-S24-601-01
	CADD STANDARDS
	BOYLE

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ENGINEERING CORPORATION
1360 E. Spruce Avenue Suite 101
Fresno, California 93720 559-448-8222
WWW.BOYLEENGINEERING.COM

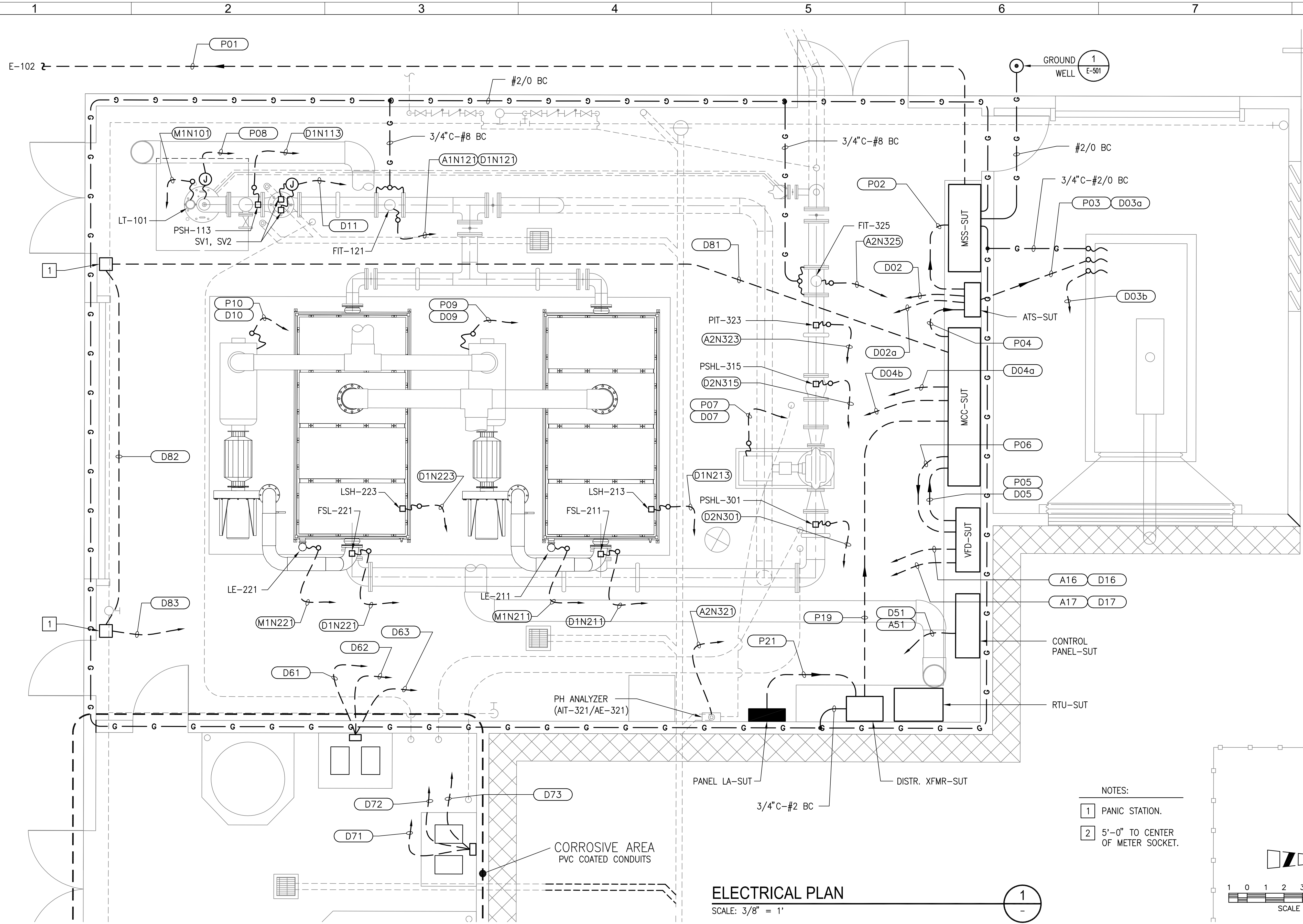
SOUTH TAHOE PUBLIC UTILITY DISTRICT
SOUTH UPPER TRUCKEE WELL NO. 3

CONTROL PANEL LAYOUT AND INSTRUMENTATION DETAILS

Dec-09
DRAWING N-501
SHEET 33
OF 48 SHEETS

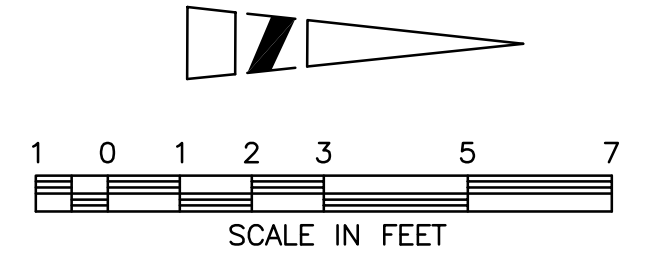
RECORD DRAWINGS

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ELECTRICAL PLAN
SCALE: 3/8" = 1'

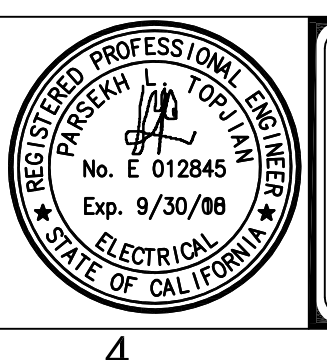
- NOTES:
- 1 PANIC STATION.
 - 2 5'-0" TO CENTER OF METER SOCKET.



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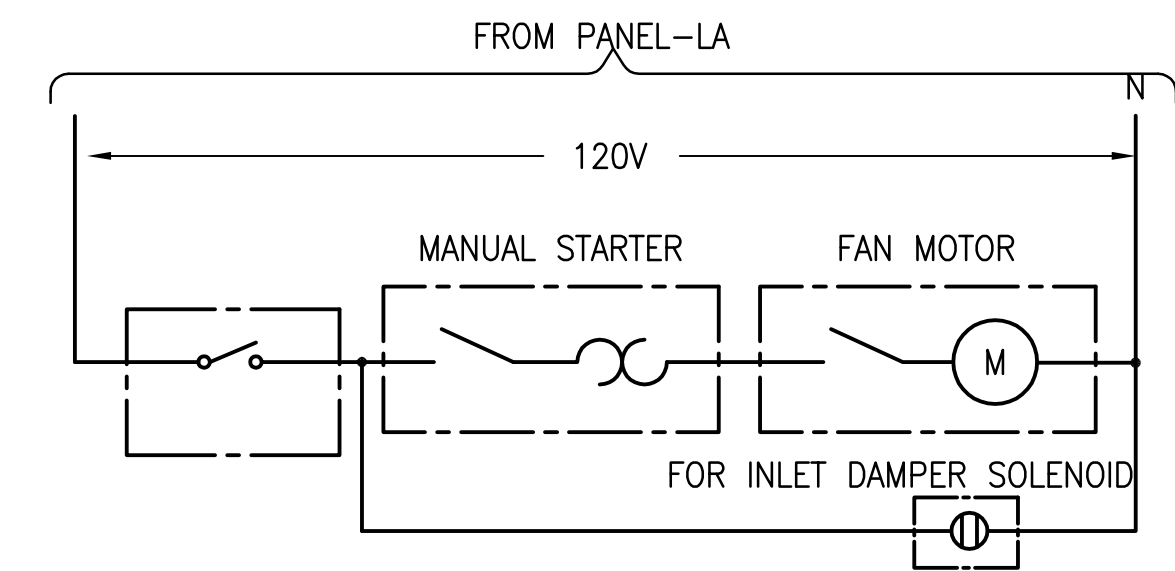
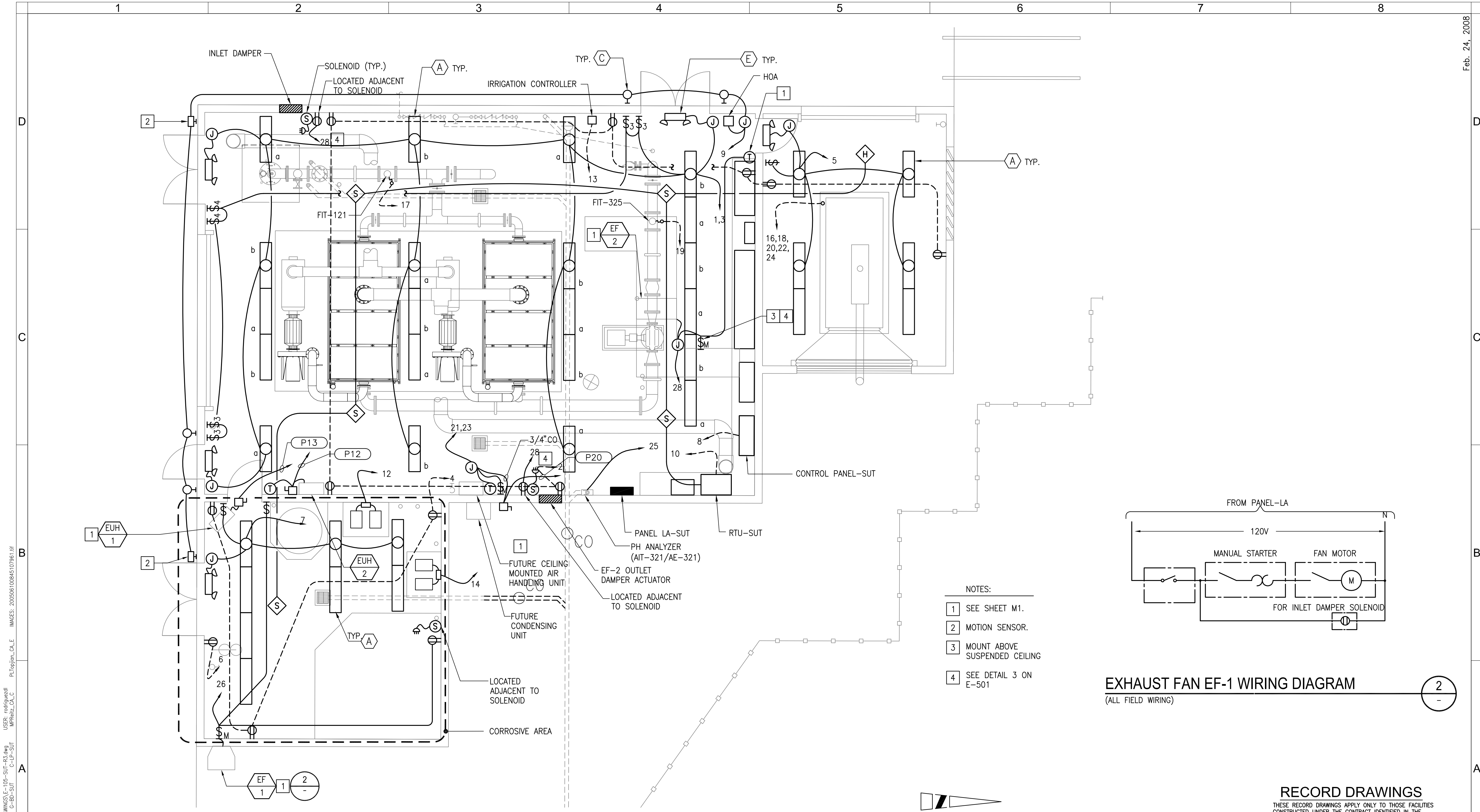
DESIGNED BY	PT	PROJECT ENGINEER	PARSEKH L. TOPJIAN
DRAWN BY	DD	REG NUMBER	E012845
CHECKED BY	-	PROJECT NUMBER	16642.00-0001
DATE	Jul-07	CADD STANDARDS	BOYLE



BOYLE
ENGINEERING CORPORATION

1360 E. Spruce Avenue Suite 101
Fresno, California 93720 559-448-8222
WWW.BOYLEENGINEERING.COM

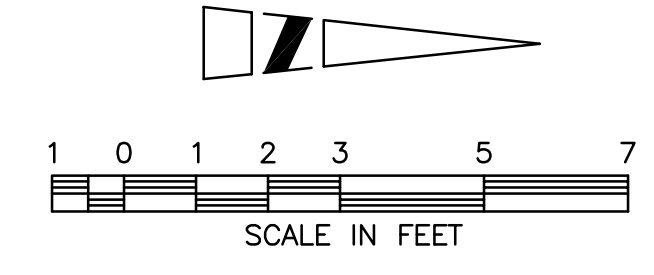
SOUTH TAHOE PUBLIC UTILITY DISTRICT SOUTH UPPER TRUCKEE WELL NO. 3		DRAWING	E-104
ELECTRICAL PLAN (1 OF 2)		SHEET	39
		OF 48 SHEETS	



- NOTES:
- 1 SEE SHEET M1.
 - 2 MOTION SENSOR.
 - 3 MOUNT ABOVE SUSPENDED CEILING
 - 4 SEE DETAIL 3 ON E-501

EXHAUST FAN EF-1 WIRING DIAGRAM
(ALL FIELD WIRING)

ELECTRICAL PLAN
SCALE: 1/4" = 1'



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Dec-09

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	1 2 3 4 5 6 8	1 2 3 4 5 6 8	1 2 3 4 5 6 8	1 2 3 4 5 6 8	1 2 3 4 5 6 8	1 2 3 4 5 6 8	1 2 3 4 5 6 8

Appendix C: Well Completion Report and Lithologic Log

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STATE OF CALIFORNIA
WELL COMPLETION REPORT
Refer to Instruction Pamphlet

DWR USE ONLY — DO NOT FILL IN

STATE WELL NO./STATION NO.									
LATITUDE					LONGITUDE				
APN/TRS/OTHER									

Page 1 of 6
 Owner's Well No. 50 Upper Truckee #3 No. 1095703
 Date Work Began 8-17-04, Ended 9-30-04
 Local Permit Agency El Dorado County
 Permit No. 104-3 Permit Date 5-3-04

GEOLOGIC LOG

ORIENTATION () VERTICAL _____ HORIZONTAL _____ ANGLE _____ (SPECIFY)

DEPTH FROM SURFACE

Ft.	to	Ft.	DESCRIPTION
			Describe material, grain size, color, etc.
			See Attached

DRILLING METHOD Reverse Rotary FLUID Polybor

WELL OWNER

Name STPUD
 Mailing Address 1225 Meadow Crest Dr
South Lake Tahoe CA 96150
 CITY STATE ZIP

WELL LOCATION

Address 3140 Egret way
 City South Lake Tahoe
 County El Dorado
 APN Book 36 Page 581 Parcel 01
 Township 11N Range 15E Section N6 1/4 Sec 9
 Lat 39 49 20.23 N Long 120 01 19.34 W
 DEG. MIN. SEC. DEG. MIN. SEC.

LOCATION SKETCH

ACTIVITY () NEW WELL
 MODIFICATION/REPAIR
 _____ Deepen
 _____ Other (Specify)
 _____ DESTROY (Describe Procedures and Materials Under "GEOLOGIC LOG")

USES ()
 WATER SUPPLY:
 _____ Domestic Public
 _____ Irrigation _____ Industrial
 MONITORING _____
 TEST WELL _____
 CATHODIC PROTECTION _____
 HEAT EXCHANGE _____
 DIRECT PUSH _____
 INJECTION _____
 VAPOR EXTRACTION _____
 SPARGING _____
 REMEDIATION _____
 OTHER (SPECIFY) _____

Illustrate or Describe Distance of Well from Roads, Buildings, Fences, Rivers, etc. and attach a map. Use additional paper if necessary. **PLEASE BE ACCURATE & COMPLETE.**

WATER LEVEL & YIELD OF COMPLETED WELL

DEPTH TO FIRST WATER _____ (Ft.) BELOW SURFACE
 DEPTH OF STATIC WATER LEVEL 20 (Ft.) & DATE MEASURED 9-30-04
 ESTIMATED YIELD * 1457 (GPM) & TEST TYPE Constant
 TEST LENGTH 24 (Hrs.) TOTAL DRAWDOWN 39 (Ft.)
 * May not be representative of a well's long-term yield.

DEPTH FROM SURFACE Ft. to Ft.	BORE-HOLE DIA. (Inches)	CASING (S)						DEPTH FROM SURFACE Ft. to Ft.	ANNULAR MATERIAL				
		TYPE (<input checked="" type="checkbox"/>)				MATERIAL / GRADE	INTERNAL DIAMETER (Inches)		GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)	TYPE		
BLANK	SCREEN	CON-DUCTOR	FILL PIPE	CE-MENT (<input checked="" type="checkbox"/>)	BEN-TONITE (<input checked="" type="checkbox"/>)			FILL (<input checked="" type="checkbox"/>)			FILTER PACK (TYPE/SIZE)		
0	30	42					A53 61 B	29 1/2	.250				
0	20	26					A53 61 B	15 1/2	.250	w/ mech. Adapter			
20	70	26					SS 304	15 1/2	.250				#100
70	90	26					SS 304	15	.250				8x16
90	160	26					SS 304	15 1/2	.250				#100
160	190	26					SS 304	15	.250				8x20
													#100

ATTACHMENTS ()

Geologic Log
 _____ Well Construction Diagram
 _____ Geophysical Log(s)
 _____ Soil/Water Chemical Analyses
 _____ Other _____

ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.

CERTIFICATION STATEMENT

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief.

NAME Zim Industries Inc
 (PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)
 ADDRESS 4545 E Lincoln CITY Fresno STATE Ca ZIP 93725
 Signed Robert A Zimmerman DATE SIGNED 10-29-04 C-57 LICENSE NUMBER 440532
 C-57 LICENSED WATER WELL CONTRACTOR

6/6



Nimbus Engineers
Reno, Nevada

BOREHOLE LOG Well Number: South Upper Truckee Well #3
 Project: South Tahoe PUD Page 3 of 3 DRAFT
 Location: 3140 Egret Way Driller: Zim Industries Date: _____ Time: _____
 Coord: 38° 49' 20.23780" Rig: Ideco H 35 Rambler Start: 7/15/04
 120° 01' 18.34022" Bits: 17-1/2" Finish: 8/19/04
 TD: 258 ft El: 6396.76 ft Fluid: Water w PolyBore polymer

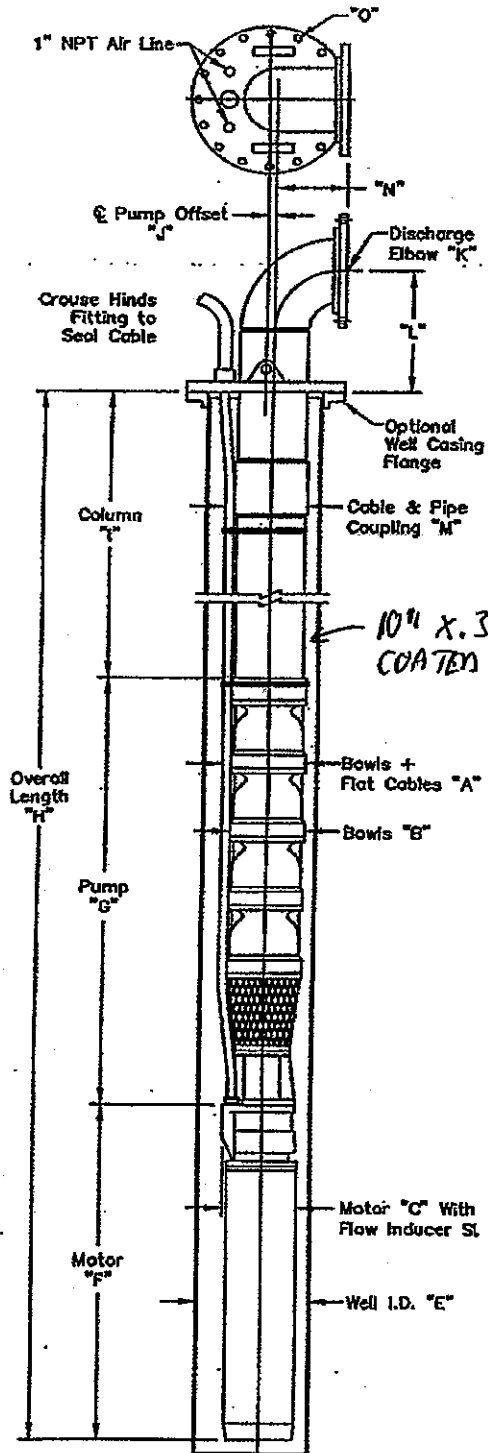
Geophysical Log: SP/LongShortRea/Single Point/
Guard/Gamma/Cal/Temp

Depth	Penetration ft/min	Rig Response	Zone Tests	Well Screens	Ox Alteration	Grain Size					Photo	Graphic	Description	
						U S C S	Silt%	Fine Sand %	MG Sand %	Cg Sand %				Gravel%
		3				SW	9	51	27	11	2			220-255' Cont. Well graded coarse + med sand w minor gravel, lt olive gray. Subarkose, subang to subrnd, 1-2% mafics, mod abt musc. Minor coarse subrnd gravel of granitic + volc rock, minor ox stains.
		2				SW		20	35	25	20			245-250' Poss boulder, slow drilling w fresh granitic chips.
		2				SW		35	50	10	2			255' Mostly med sand.
		2				SW	9	20	18	36	17			260' Noisy discharge line.
260	0.18													
		3				SW		20	35	40	5			255-275' Well graded sand w gravel, lt olive gray. Abt cg sand + fine gravel, rare coarse gravel. Mostly subang, 1% mafics, occ biot, occ musc, occ volc lithics, minor ox stains.
		2				SW	7	28	31	27	7			
		2				SW		15	30	50	5			
		2				SW	22	67	9	2				275-290' Mod graded fine sand, olive gray. Mostly fg/vfg sand, subrnd, 1-2% mafics, occ biot, mod abt musc, tr volc lithics.
280														* Data from seive analyses
		2				SW	20	66	9	5				
	0.43					SW	15	30	40	5				
		2				SW		20	30	50	tr			290-315' Well graded coarse sand w fine gravel, lt olive gray. Sand subang to subrnd, 1-2% mafics, occ biot, mod abt musc. Mostly fine gravel (granule to sm pebble) of granitic rock, tr volc. Slight ox.
		2				SW	3	23	40	30	4			
300														
		2				SW		10	20	65	5			305' Noisy discharge line.
	0.35					SW		20	25	50	2			
		2				SW		20	20	50	10			315' Noisy discharge line.
		2				SW		30	40	30	tr			315-337' Well graded sand w tr fine gravel, lt olive gray. Subang/subrnd, 1-2% mafics, occ biot, mod abt musc. Occ zones w granules, may be wx granitic grus near btm of interval, sl ox.
320														
		1				SW		35	45	20	tr			
	0.47					SW		25	40	35	tr			
		1				SW		25	40	30	2			333-338' Slower drilling (wx bedrock?)
	0.15					SW		30	30	30	10			
340														
		1				R o c k								338-358' Granodiorite/diorite bedrock, med dk gray. Very slow drilling. Sl wx to fresh rock fragments of biotite/hnblid granodiorite and diorite recovered along w some sand. Fairly smooth drilling, no indication of significant fx's.
	0.04													
		2				R o c k								350' A 20 cm diorite fragment recovered from inside Kelly.
358	0.02													TD Hole 358 ft bgl

Appendix D: Pump and Motor Information

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WELL PUMP



Note:
Dimensions are not certified for construction

"A"	13.50 in.
"B"	13.00 in.
"C"	9.75 in.
"D"	
"E"	16"
"F"	68.75 in.
"G"	42.88 in.
"H"	1552"
"I"	1440" (120')
"J"	1.25 in.
"K"	10" - 150 PSI
"L"	17.25 in.
"M"	12.50 in.
"N"	16.00 in.

No. of Holes "O"	10
Hole Size Dia. "O"	1.25 in.
Bolt Circle Dia. "O"	25.00 in.

Project : Upper Truckee Well # 3

Customer : Pump Repair Service Co.

Pump Size : 13MQH - 1 stage

Motor Size : BJ 10", 50HP, 460V, 4P, "M"

Power Cable : Flat Cbl Assy, #2 AWG, 460V

Round Power Cable : 120 FT, #4 AWG, XLP/Nitrile

Notes: Approx. Weights:

Pump: 750 lbs

Motor: 1.540 lbs

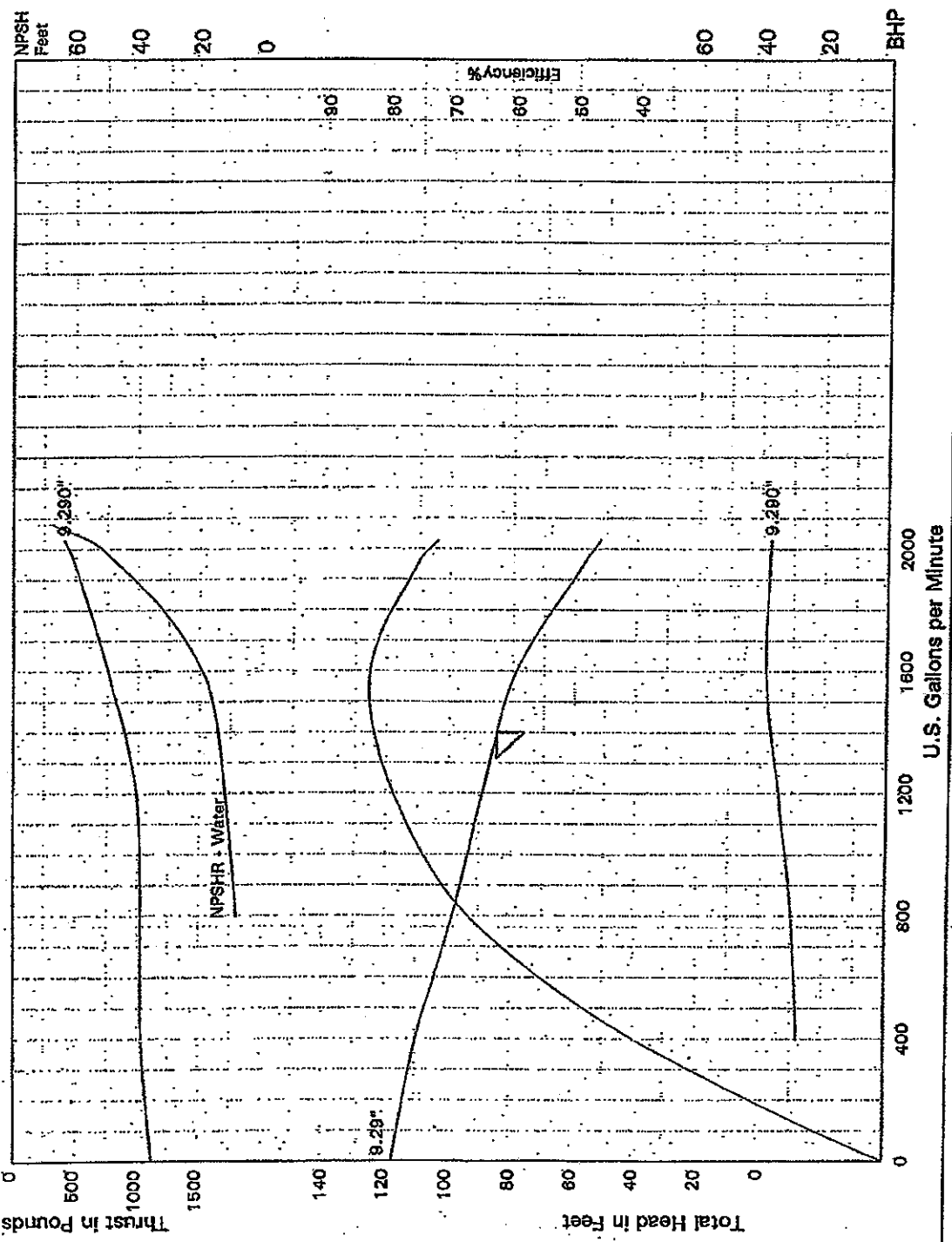
Prop. Number : WFLT-23361

SK :

Date : 23-Jul-07



Byron Jackson Pumps United Centrifugal Pumps Wilson - Snyder Pumps Stork Engineered Pumps Durco ANSI Std Pumps



STANDARD INFO
Revision date: 3/ 1/86
Minimum Submergence: 24"
Eye Area: 23.6 in ²
U : 45.0 ft/sec
Original RPM: 1770
DESIGN CALC (APPROXIMATE)
Stages - design: 1
Trim Diameter - design: 9.29"
Efficiency: - design: 82.1%
Head reserve available: 6.4%
Head rise to shutoff: 37.9%
Power - design: 38.6 BHP
Thrust - design: 886.3 BHP
NPSH required: 14.2 Feet
DESIGN PARAMETERS
RPM: 1760
Flow: 1400 GPM
Head: 85 ft
NPSHA: 0.0 ft+
SpGr: 1.00
Visc: 1
NOTES
NOTE: Impellers reundersized after cut
Efficiency shown is for porcelain lined C.I. case and polished Impeller for 4 stages or more.
For 3 stages reduce 1 point
For 2 stages reduce 2 points
For 1 stage reduce 3 points

Purchaser: End User: Project: Truckee Item/Spec:

Proposition: Curve No.: Salesperson: Jim Sedlack Date: 7/17/07

PRIMER v2.10 00000423

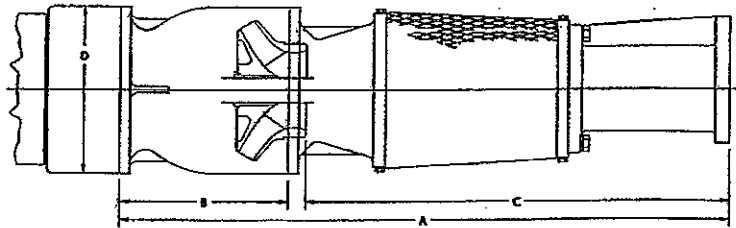
Pump Size & Type

13" MQ "H"



Submersible Motors and Pumps Cross Sectional Drawings

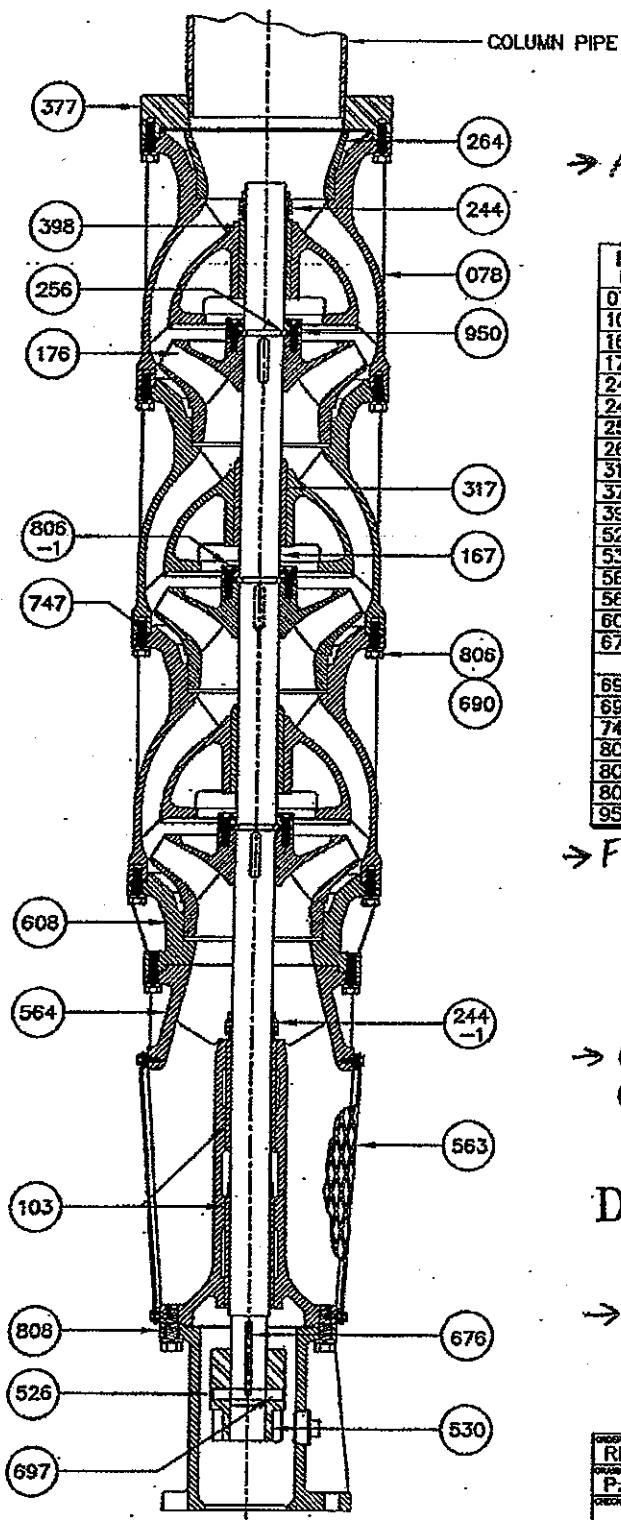
Byron Jackson Adaptations
Submersible Pump (SVTP)
Dimensions and Weights



Bowl		Motor			A	B	C	D	Available Top Case Outlet Sizes	Bowl Connection	Well I.D.		Weight (lbs.)	
Model	Impellers	Size	Volts	Poles	Length of One Stage Unit	Length of Additional Stage	1st Stage Impeller Location	Min.			Recom'd	1st Stage	Add'l Stage	
10EQ	H	8	460	4	32.81	9.00	23.19	9.63	6, 8	Flanged	12	12	385	80
		10	460		33.75		24.13				12	12		
		12	460/2300		36.31		26.69				12	14		
		14	460/2300		36.44		28.81				16	16		
10MQ	LH	8	460	4	33.31	9.50	23.19	9.50	6, 8	Threaded	12	12	370	65
		10	460		34.25		24.13				12	12		
		12	460/2300		36.81		26.69				12	14		
		14	460/2300		36.94		28.81				16	16		
11MQ	LH	8	460	4	36.69	10.75	25.25	10.75	6, 8	Threaded	12	14	435	85
		10	460		37.63		26.19				12	14		
		12	460/2300		40.19		28.75				14	14		
		14	460/2300		41.13		29.69				16	16		
12EL	LM	8	460	4	35.06	8.75	25.25	11.50	8, 10	Flanged	14	14	616	100
		10	460		36.00		26.19				14	14		
		12	460/2300		38.56		28.75				14	14		
		14	460/2300		39.50		29.69				16	16		
12EJ	H	8	460	4	35.31	9.00	25.25	11.50	8, 10	Flanged	14	14	520	105
		10	460		36.25		26.19				14	14		
		12	460/2300		38.81		28.75				14	14		
		14	460/2300		39.75		29.69				16	16		
12EM	LM	8	460	4	36.31	10.00	25.25	11.50	8, 10	Flanged	14	14	510	93
		10	460		37.25		26.19				14	14		
		12	460/2300		39.81		28.75				14	14		
		14	460/2300		40.75		29.69				16	16		
12EH	LM	8	460	4	36.81	10.50	25.25	11.50	8, 10	Flanged	14	14	515	87
		10	460		37.75		26.19				14	14		
		12	460/2300		40.31		28.75				14	14		
		14	460/2300		41.25		29.69				16	16		
12EN	LM	8	460	4	36.01	11.50	25.25	11.50	8, 10	Flanged	14	14	540	125
		10	460		38.75		26.19				14	14		
		12	460/2300		41.31		28.75				14	14		
		14	460/2300		42.25		29.69				16	16		
12EB	M	8	460	4	37.41	12.00	25.25	11.50	8, 10	Flanged	14	14	515	101
		10	460		39.25		26.19				14	14		
		12	460/2300		41.81		28.75				14	14		
		14	460/2300		42.75		29.69				16	16		
12EQ	H	8	460	4	36.91	11.50	25.25	11.50	8, 10	Flanged	14	14	540	125
		10	460		38.75		26.19				14	14		
		12	460/2300		41.31		28.75				14	14		
		14	460/2300		42.25		29.69				16	16		
12MQ	LH	8	460	4	38.31	12.00	25.25	11.75	8, 10	Threaded	14	14	520	105
		10	460		39.25		26.19				14	14		
		12	460/2300		41.81		28.75				14	14		
		14	460/2300		42.75		29.69				16	16		
12ETH	LH	10	460	4	53.75	11.83	26.83	11.75	8, 10	Threaded	14	14	610	140
		12	460/2300		57.08		29.34				14	14		
		14	460/2300		54.84		27.31				16	16		
		17	2300/4000		58.31		31.31				18	20		
13MQ	H	10	460	4	42.88	12.88	27.38	13.00	8, 10	Flanged	14	16	750	148
		12	460/2300		46.63		31.13				14	16		
		14	460/2300		44.06		29.56				16	16		
		17	2300/4000		47.58		32.06				18	20		
14EJ	H	10	460	4	40.25	10.25	27.38	13.44	8, 10	Flanged	16	16	780	175
		12	460/2300		44.00		31.13				16	16		
		14	460/2300		41.44		29.56				18	18		
		17	2300/4000		44.93		32.06				18	20		

Note: For other or larger sizes consult factory.
All dimensions given in inches, weight in pounds.
Dimensions and weights are approximate and subject to change - Do not use for construction.

continued



PRELIMINARY DRAWING
DO NOT USE FOR CONSTRUCTION

→ ALL BOLTING 316SS

PARTS LIST

REF. NO.	PART DESCRIPTION	MATERIALS
078	CASE, SERIES	IRON 30
103	BEARING, CASE, BOTTOM	BRONZE 932
167	SHAFT, PUMP	416 SS
176	IMPELLER	BRONZE
244	SAND CAP, BEARING, TOP	IRON
244-1	SAND CAP, BEARING, BOTTOM	IRON
256	RING, SPLIT	SST 316
264	ADAPTER, HYDRAULIC	IRON 30
317	BEARING, CASE, SERIES	BRONZE 932
377	FLANGE, CASE, TOP	IRON 30
398	BEARING, CASE, SERIES, TOP	BRONZE 932
526	RING, RETAINING, COUPLING	SST 316
530	COUPLING, PUMP	Nitronic 50
563	SCREEN, STRAINER	SST 316
564	STRAINER BODY	IRON 30
608	CASE, SUCTION	IRON 30
676	KEY, COUPLING	SST 416
690	WASHER, LOCK, CASE	SST
697	PIN, COUPLING	SST 416
747	O-RING, CASE	NITRILE
806	SCREW, HEX, CASE	SST 316
806-1	SCREW, SKT, GUARD	SST 18-8
808	ADAPTER, MOTOR	IRON 30
950	GUARD, RING, RETAINING	SST 316

→ FURNISHED WITH 316SS BOWL WEAR RINGS

TYPE EN SUBMERSIBLE
13 MQ FLANGED BOWL ASSEMBLY
1 STAGE - M IMPELLERS

→ OD OF BOWL ASSY TO BE EPOXY COATED PER SYS 7, PAGE 09900-3 OF THE SPECIFICATIONS

Deepwell Submersible
WFLT-23361

→ ID & OD OF INTER CONNECTOR TO BE EPOXY COATED PER SYS 7 PAGE 09900-3 OF THE SPECIFICATIONS

A	DESCRIPTION	DATE	CHKD
	ORIGINAL DRAWING		

ORDER NO. RFP-02-124	REV. NO. SCT	Flowserve Pump Division Toneytown Operations	REV. FROM Draw Detail Pages Detail Component Pages Miscellaneous Pages
DESIGNED BY P. Bargetski	DATE 6/13/09		
DRAWN BY	DATE	DRAWING TITLE PUMP SECTIONAL	
CHECKED BY	DATE	DRAWING NO. WFLT-23361	
CAD FILE NAME		REV. A	
SCALE NONE		SIZE 13MQ	SHEET 1 of 1

Booster Pump to
DIST. SYSTEM

SOUTH UPPER TRUCKEE #3



Submittal Data For

- Regen. Turbine Pumps
- End Suction Pumps
- Inline Pumps
- Split Case Pumps
- Sewage Pumps
- Other

NO. OF PRINTS	
<input type="checkbox"/>	For Approval
<input type="checkbox"/>	Final
<input type="checkbox"/>	Reproducible

Sales Office: PumpWorks, LLC P.O. No. _____

Factory Order No.: _____ Service: _____

Job: South Upper Truckee Well No. 3 & Corrosion Control Treatment & Luther Pas Pump Station Seismic Upgrade Project

Engineer: Boyle Engineering

Contractor: Thomas Haen Company, Inc.

Sold To: Thomas Haen Company, Inc. P.O. No. _____

Reference: _____

PUMP

Number of Units 1 Pump Only

Model 411-BF Rotation: _____

Size 5 X 6 X 17 RH LH

GPM 1400

TDH 233' Connections: _____

RPM 1800 Threaded Flanged

Construction: MATL CODE 21

Standard Fitted

Bronze Fitted

Case Cast Iron

Imp. Bronze Lubrication: _____

Shaft Steel Grease Oil

Sleeve Bronze

Case Ring Bronze Stuffing Box: _____

Imp. Ring Bronze Mech. Seal JC21

Ch. Ring N/A

Spacer N/A Packing Lantern Ring

MOTOR

HP: 125

Phase: 3

Hertz: 60

Volts: 460

RPM: 1800

Frame: 405TS

Enclosure:

ODP

TEFC

X Proof

Vertical

Horizontal

Part Winding

Hi Efficiency

Aurora To Furnish

Others To Furnish

Factory Choice

Mfg: _____

OPTIONS

Base:

Steel Drip Rim

Steel Form

Fabricated Steel

Cast Iron Ring Type

Fab. Steel Ring Type

Close Coupled Unit

Pedestal Unit

Coupling: _____

Mfg: Woods

Size: _____

Spacer

Guard

Test:

Certified Performance

Wit. Certified Performance

Hydro

Note: Motor not mounted at factory on vertical units.

SPECIAL REQUIREMENTS:

Coating, interior wetted surfaces: Scotchkote 134 fusion bonded epoxy. Exterior primer coating at factory—Final coat to be applied in the field by others. SS Eyebolts & Nuts. Bronze seal gland. Motor will be VFD rated and nameplated and supplied with 120V space heaters, and thermostats. Short commercial test on motor. Pump will be supplied with complete spare rotating assembly.

CERTIFIED PRINT: Section: _____ Page: _____ Curve Number: _____

Special: _____ Maintenance Sent: _____

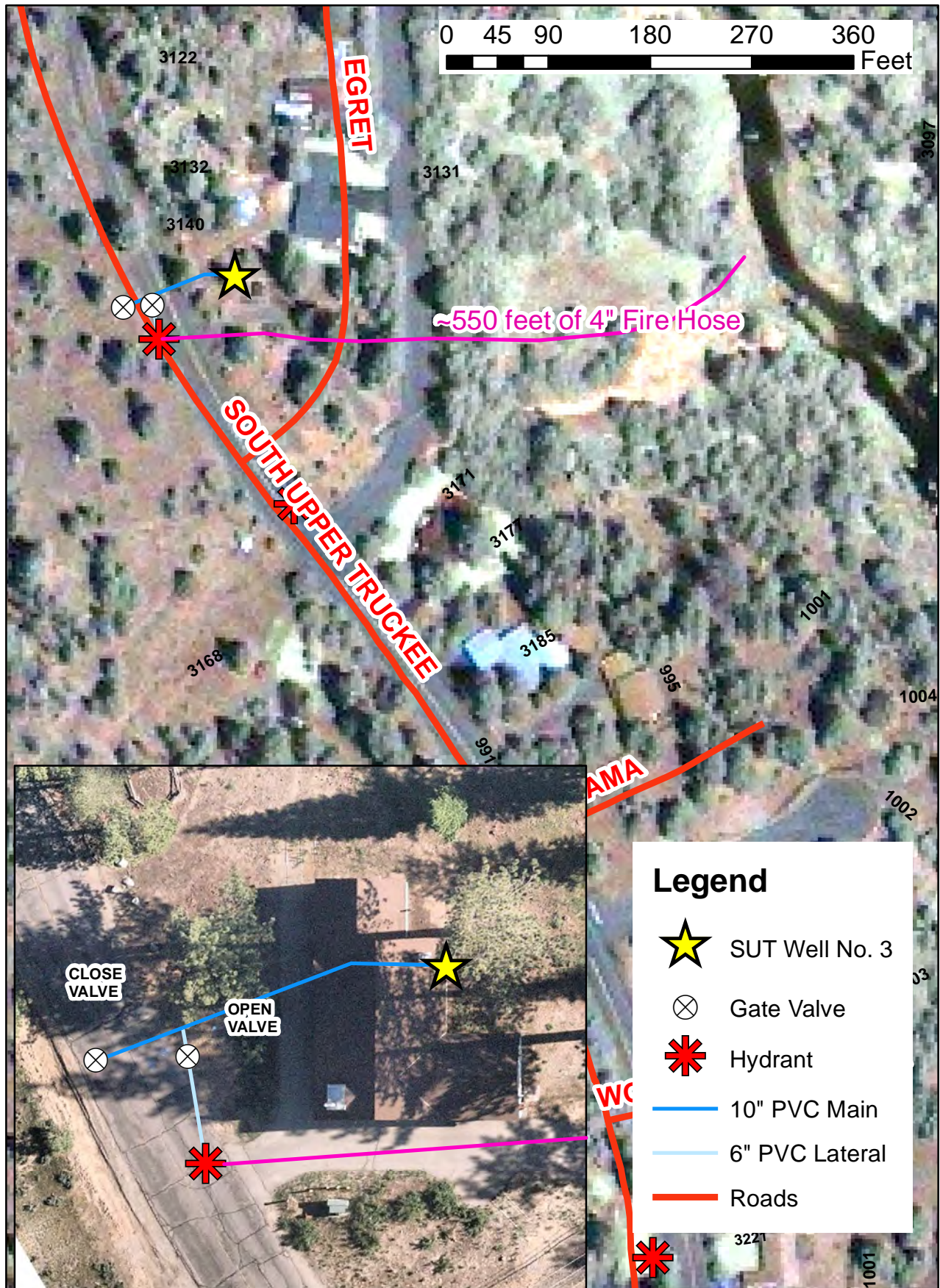
By: _____ Date: _____ Office: _____

This order will not be processed for manufacturing until approval is received. Prints are not to scale and are certified correct only for this order. All orders are subject to acceptance at Aurora Pump, North Aurora, Illinois.

Appendix E: Pumping Test Discharge Configuration

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South Upper Truckee Well Pumping Test Discharge Line



Estimate



Carson Pump, LLC
 P.O. Box 20159
 Carson City, NV. 89721

Date	Estimate #
12/19/2023	2741

NV. Lic #39920A
 CA. Lic #745270

Name / Address
South Lake Tahoe PUD 1275 Meadow Crest Dr. South Lake Tahoe, Ca. 96150 Att: Mark Seelos

Description	Qty	Project	
		Cost	Total
Mobilization and Demobilization of equipment to South Upper Truckee Well #3 including site preperation	1	7,000.00	7,000.00
Est. 6 hrs. to line brush 16" well	6	300.00	1,800.00
Install and remove 4" reverse pipe to 320'	320	15.00	4,800.00
Est. 2 hrs. to reverse fill from well and into settling tank	2	350.00	700.00
Furnish 320 gallons of Cotey Liquid Acid DesCALER	320	50.00	16,000.00
Est. 12 hrs. to install tremme pipe to 310', pump in approximately 55 gallons of acid at 310', 280', 260', 220', 160' & 70' and remove tremme pipe	12	300.00	3,600.00
Furnish 2, 20,000 gallon settling tanks, pump & hoses	2	2,600.00	5,200.00
Install combination pumping & swabbing tool to 320'	320	15.00	4,800.00
Est. 16 hrs. to pump acid to tank and neutralize with caustic soda	16	300.00	4,800.00
Est. 10 hrs. to develope acid from screen sections by pumping & swabbing simutaneously	10	350.00	3,500.00
Conduct casing integerty survey	1	6,500.00	6,500.00
Furnish 6 gallons of 12% sodium hyporchlorite and 12 lbs. of Cotey Chlorine Enhancer, furnish tank and mix with 9,360 gallons of water (3,100 gallons per batch)	1	2,500.00	2,500.00
Install tremme pipe to 70' with swabbing & injection tool, pump in chlorine solution and swab into screen sections through injection tool throughout screen sections to 310'	12	300.00	3,600.00
Install development tool to 320'	320	12.00	3,840.00
Est. 12 hrs. to pump chlorine solution to tank by pumping & swabbing screen sectiona and neutralize chlorine	12	350.00	4,200.00
Install 600' of temporary discharge line from road crossing to river	600	3.00	1,800.00
Furnish road crossing and hoses from fire hydrant to road crossing	1	1,900.00	1,900.00
All standby time is charged at \$200/hr. if required			
Thank you for considering Carson Pump for this proposal	Subtotal		\$76,540.00
	Sales Tax (7.1%)		\$0.00
	Total		\$76,540.00

PAYMENT OF CLAIMS

**FOR APPROVAL
January 18, 2024**

Payroll	12/26/23	581,260.27
Payroll	1/9/24	730,770.57
Total Payroll		1,312,030.84

AFLAC/WageWorks claims and fees		308.60
California SWRCB SRF loan payments		581,349.05
Ameritas - Insurance Payments		7,534.60
Total Vendor EFT		589,192.25

<u>Weekly Approved Check Batches</u>	<u>Water</u>	<u>Sewer</u>	<u>Total</u>
Wednesday, December 28, 2023	353,511.15	555,809.65	909,320.80
Thursday, January 4, 2024	183,529.78	347,908.77	531,438.55
Checks, Voids and Reissues	-5,395.29	0.00	-5,395.29
Total Accounts Payable Checks			1,435,364.06

Utility Management Refunds		11,265.78
Total Utility Management Checks		11,265.78

Grand Total	\$3,347,852.93
--------------------	-----------------------

<u>Payroll EFTs & Checks</u>	<u>12/26/2023</u>	<u>1/9/2024</u>
EFT CA Employment Taxes & W/H	25,000.82	40,504.57
EFT Federal Employment Taxes & W/H	123,595.10	128,987.80
EFT CalPERS Contributions	86,819.72	85,664.72
EFT Empower Retirement-Deferred Comp	24,442.63	24,481.86
EFT Stationary Engineers Union Dues	2,983.30	2,985.52
EFT CDHP Health Savings (HSA)	3,762.95	134,711.03
EFT Retirement Health Savings	0.00	18,495.40
EFT United Way Contributions	10.00	0.00
EFT Employee Direct Deposits	314,486.52	294,750.73
CHK Employee Garnishments	159.23	159.23
CHK Employee Paychecks	0.00	29.71
<i>Total</i>	581,260.27	730,770.57



Payment of Claims

Payment Date Range 12/14/23 - 01/10/24
 Report By Vendor - Invoice
 Summary Listing

Invoice Number	Invoice Description	Status	Held Reason	Invoice Date	Due Date	G/L Date	Received Date	Payment Date	Invoice Net Amount
Vendor 10105 - ACWA									
INV012599	Public Relations Expense	Paid by Check #114325		11/20/2023	12/20/2023	12/31/2023		12/28/2023	500.00
						Vendor 10105 - ACWA Totals	Invoices	1	<u>\$500.00</u>
Vendor 43721 - ACWA/JPIA									
22/23WLNSSFNDRTN	Other Miscellaneous Income	Paid by Check #114414		12/12/2023	01/03/2024	12/31/2023		01/04/2024	1,355.00
						Vendor 43721 - ACWA/JPIA Totals	Invoices	1	<u>\$1,355.00</u>
Vendor 44039 - AFLAC									
382896	Insurance Supplement Payable	Paid by Check #114415		12/01/2023	01/03/2024	12/31/2023		01/04/2024	928.48
						Vendor 44039 - AFLAC Totals	Invoices	1	<u>\$928.48</u>
Vendor 43949 - ALPEN SIERRA COFFEE ROASTING CO									
235638	Office Supply Issues	Paid by Check #114326		12/05/2023	12/20/2023	12/31/2023		12/28/2023	111.25
235639	Office Supply Issues	Paid by Check #114326		12/05/2023	12/20/2023	12/31/2023		12/28/2023	64.25
						Vendor 43949 - ALPEN SIERRA COFFEE ROASTING CO Totals	Invoices	2	<u>\$175.50</u>
Vendor 50108 - ALPINE WATERSHED GROUP									
#9ALPINEWP1	PROP 1 2019 IMPLEMENTATION IRWM INV#9	Paid by Check #114416		12/29/2023	01/03/2024	12/31/2023		01/04/2024	24,696.31
						Vendor 50108 - ALPINE WATERSHED GROUP Totals	Invoices	1	<u>\$24,696.31</u>
Vendor 49337 - AMAZON CAPITAL SERVICES INC.									
1WCK-WHKQ-13XC	Pump Stations	Paid by Check #114327		11/15/2023	12/27/2023	12/31/2023		12/28/2023	314.48
16R1-QKWM-7MGF	Repair - Maintenance Water Tanks	Paid by Check #114327		11/17/2023	12/27/2023	12/31/2023		12/28/2023	282.77
1431-C1T3-NXQ1	Office Supplies	Paid by Check #114327		11/22/2023	12/27/2023	12/31/2023		12/28/2023	657.18
1VQR-NN13-6QJ6	Buildings	Paid by Check #114327		11/29/2023	12/27/2023	12/31/2023		12/28/2023	46.76
1LHD-TQT1-NCF7	Secondary Equipment	Paid by Check #114327		12/06/2023	12/27/2023	12/31/2023		12/28/2023	614.88
						Vendor 49337 - AMAZON CAPITAL SERVICES INC. Totals	Invoices	5	<u>\$1,916.07</u>
Vendor 50006 - AMS.NET INC									
0072938	Access Control/Surveillance	Paid by Check #114328		11/28/2023	12/20/2023	12/31/2023		12/28/2023	7,083.34
0073360	Access Control/Surveillance	Paid by Check #114328		12/07/2023	12/20/2023	12/31/2023		12/28/2023	6,300.00
0073361	Access Control/Surveillance	Paid by Check #114328		12/07/2023	12/20/2023	12/31/2023		12/28/2023	372.81
						Vendor 50006 - AMS.NET INC Totals	Invoices	3	<u>\$13,756.15</u>
Vendor 47919 - AQUATIC INFORMATICS INC									
107015	Service Contracts	Paid by Check #114329		12/06/2023	12/20/2023	12/31/2023		12/28/2023	92.00
						Vendor 47919 - AQUATIC INFORMATICS INC Totals	Invoices	1	<u>\$92.00</u>
Vendor 44580 - ARAMARK UNIFORM SERVICES									
5980153377	Uniform Payable	Paid by Check #114330		11/29/2023	12/20/2023	12/31/2023		12/28/2023	86.97
5980153378	Uniform Payable	Paid by Check #114330		11/29/2023	12/20/2023	12/31/2023		12/28/2023	91.82
5980153379	Uniform Payable	Paid by Check #114330		11/29/2023	12/20/2023	12/31/2023		12/28/2023	117.62
5980153380	Uniform Payable	Paid by Check #114330		11/29/2023	12/20/2023	12/31/2023		12/28/2023	81.33
5980153381	Uniform Payable	Paid by Check #114330		11/29/2023	12/20/2023	12/31/2023		12/28/2023	80.95
5980153382	Uniform Payable	Paid by Check #114330		11/29/2023	12/20/2023	12/31/2023		12/28/2023	25.44
5980153383	Uniform Payable	Paid by Check #114330		11/29/2023	12/20/2023	12/31/2023		12/28/2023	106.56
5980153384	Uniform Payable	Paid by Check #114330		11/29/2023	12/20/2023	12/31/2023		12/28/2023	37.40



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Invoice Number	Invoice Description	Status	Held Reason	Invoice Date	Due Date	G/L Date	Received Date	Payment Date	Invoice Net Amount
5980153385	Uniform Payable	Paid by Check #114330		11/29/2023	12/20/2023	12/31/2023		12/28/2023	4.64
5980153386	Uniform Payable	Paid by Check #114330		11/29/2023	12/20/2023	12/31/2023		12/28/2023	13.03
5980153387	Uniform Payable	Paid by Check #114330		11/29/2023	12/20/2023	12/31/2023		12/28/2023	15.14
5980153388	Uniform Payable	Paid by Check #114330		11/29/2023	12/20/2023	12/31/2023		12/28/2023	17.84
5980153389	Uniform Payable	Paid by Check #114330		11/29/2023	12/20/2023	12/31/2023		12/28/2023	24.33
5980155305	Uniform Payable	Paid by Check #114330		12/06/2023	12/20/2023	12/31/2023		12/28/2023	67.11
5980155306	Uniform Payable	Paid by Check #114330		12/06/2023	12/20/2023	12/31/2023		12/28/2023	61.81
5980155307	Uniform Payable	Paid by Check #114330		12/06/2023	12/20/2023	12/31/2023		12/28/2023	87.62
5980155308	Uniform Payable	Paid by Check #114330		12/06/2023	12/20/2023	12/31/2023		12/28/2023	52.17
5980155309	Uniform Payable	Paid by Check #114330		12/06/2023	12/20/2023	12/31/2023		12/28/2023	80.95
5980155310	Uniform Payable	Paid by Check #114330		12/06/2023	12/20/2023	12/31/2023		12/28/2023	25.44
5980155311	Uniform Payable	Paid by Check #114330		12/06/2023	12/20/2023	12/31/2023		12/28/2023	107.38
5980155312	Uniform Payable	Paid by Check #114330		12/06/2023	12/20/2023	12/31/2023		12/28/2023	37.40
5980155313	Uniform Payable	Paid by Check #114330		12/06/2023	12/20/2023	12/31/2023		12/28/2023	4.64
5980155314	Uniform Payable	Paid by Check #114330		12/06/2023	12/20/2023	12/31/2023		12/28/2023	13.63
5980155315	Uniform Payable	Paid by Check #114330		12/06/2023	12/20/2023	12/31/2023		12/28/2023	15.14
5980155316	Uniform Payable	Paid by Check #114330		12/06/2023	12/20/2023	12/31/2023		12/28/2023	17.84
5980155317	Uniform Payable	Paid by Check #114330		12/06/2023	12/20/2023	12/31/2023		12/28/2023	24.33
5980157200	Uniform Payable	Paid by Check #114330		12/13/2023	12/20/2023	12/31/2023		12/28/2023	66.46
5980157201	Uniform Payable	Paid by Check #114330		12/13/2023	12/20/2023	12/31/2023		12/28/2023	71.83
5980157202	Uniform Payable	Paid by Check #114330		12/13/2023	12/20/2023	12/31/2023		12/28/2023	91.44
5980157203	Uniform Payable	Paid by Check #114330		12/13/2023	12/20/2023	12/31/2023		12/28/2023	74.74
5980157204	Uniform Payable	Paid by Check #114330		12/13/2023	12/20/2023	12/31/2023		12/28/2023	91.13
5980157205	Uniform Payable	Paid by Check #114330		12/13/2023	12/20/2023	12/31/2023		12/28/2023	24.36
5980157206	Uniform Payable	Paid by Check #114330		12/13/2023	12/20/2023	12/31/2023		12/28/2023	107.38
5980157207	Uniform Payable	Paid by Check #114330		12/13/2023	12/20/2023	12/31/2023		12/28/2023	37.40
5980157208	Uniform Payable	Paid by Check #114330		12/13/2023	12/20/2023	12/31/2023		12/28/2023	4.64
5980157209	Uniform Payable	Paid by Check #114330		12/13/2023	12/20/2023	12/31/2023		12/28/2023	13.03
5980157210	Uniform Payable	Paid by Check #114330		12/13/2023	12/20/2023	12/31/2023		12/28/2023	15.14
5980157211	Uniform Payable	Paid by Check #114330		12/13/2023	12/20/2023	12/31/2023		12/28/2023	17.84
5980157212	Uniform Payable	Paid by Check #114330		12/13/2023	12/20/2023	12/31/2023		12/28/2023	24.33
Vendor 44580 - ARAMARK UNIFORM SERVICES Totals							Invoices	39	\$1,938.25
Vendor 45202 - AT&T MOBILITY	287257798939 D23 Telephone	Paid by Check #114417		12/19/2023	01/03/2024	12/31/2023		01/04/2024	227.54
Vendor 45202 - AT&T MOBILITY Totals							Invoices	1	\$227.54
Vendor 48000 - AT&T/CALNET 3	000020980252 Telephone	Paid by Check #114331		12/15/2023	12/20/2023	12/31/2023		12/28/2023	26.82
	000020980253 Telephone	Paid by Check #114331		12/15/2023	12/20/2023	12/31/2023		12/28/2023	26.84
	000021000995 Telephone	Paid by Check #114418		12/20/2023	01/03/2024	12/31/2023		01/04/2024	26.84
	000021000997 Telephone	Paid by Check #114418		12/20/2023	01/03/2024	12/31/2023		01/04/2024	539.12
	000021000998 Telephone	Paid by Check #114418		12/20/2023	01/03/2024	12/31/2023		01/04/2024	105.61
	000021001204 Telephone	Paid by Check #114418		12/20/2023	01/03/2024	12/31/2023		01/04/2024	158.49



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Invoice Number	Invoice Description	Status	Held Reason	Invoice Date	Due Date	G/L Date	Received Date	Payment Date	Invoice Net Amount
000021001251	Telephone	Paid by Check #114418		12/20/2023	01/03/2024	12/31/2023		01/04/2024	31.43
		Vendor	48000 - AT&T/CALNET 3 Totals			Invoices	7		\$915.15
Vendor	50086 - B&K VALVES & EQUIP INC								
3045.1-1	10" Valve - Final Valve Deck	Paid by Check #114332		11/28/2023	12/20/2023	12/31/2023		12/28/2023	5,264.37
		Vendor	50086 - B&K VALVES & EQUIP INC Totals			Invoices	1		\$5,264.37
Vendor	49339 - BASEFORM INC								
11302023-222	Pipe - Covers & Manholes	Paid by Check #114333		11/30/2023	12/20/2023	12/31/2023		12/28/2023	2,430.00
11302023-223	Pipe - Covers & Manholes	Paid by Check #114333		11/30/2023	12/20/2023	12/31/2023		12/28/2023	2,349.00
		Vendor	49339 - BASEFORM INC Totals			Invoices	2		\$4,779.00
Vendor	44591 - BAY AREA COATING CONSULTANTS								
E08088	Iroquois No. 2 Tank Coatings	Paid by Check #114334		10/25/2023	12/27/2023	12/31/2023		12/28/2023	919.38
E08097	Flagpole Tank 2 Coating	Paid by Check #114334		10/25/2023	12/27/2023	12/31/2023		12/28/2023	11,032.56
		Vendor	44591 - BAY AREA COATING CONSULTANTS Totals			Invoices	2		\$11,951.94
Vendor	49773 - LAUREN BENEFIELD								
MILEAGE 111423	Travel - Meetings - Education	Paid by Check #114335		12/13/2023	12/27/2023	12/31/2023		12/28/2023	53.45
MILEAGE 121223	Travel - Meetings - Education	Paid by Check #114335		12/13/2023	12/27/2023	12/31/2023		12/28/2023	239.73
		Vendor	49773 - LAUREN BENEFIELD Totals			Invoices	2		\$293.18
Vendor	45009 - BENTLY RANCH								
210963	Biosolid Disposal Costs	Paid by Check #114336		12/01/2023	12/20/2023	12/31/2023		12/28/2023	964.05
211007	Biosolid Disposal Costs	Paid by Check #114336		12/08/2023	12/20/2023	12/31/2023		12/28/2023	1,440.75
		Vendor	45009 - BENTLY RANCH Totals			Invoices	2		\$2,404.80
Vendor	48291 - BEST BEST & KRIEGER LLP								
979602	Personnel Legal	Paid by Check #114337		11/08/2023	12/20/2023	12/31/2023		12/28/2023	37.00
982658	Personnel Legal	Paid by Check #114337		12/05/2023	12/20/2023	12/31/2023		12/28/2023	111.00
		Vendor	48291 - BEST BEST & KRIEGER LLP Totals			Invoices	2		\$148.00
Vendor	49488 - BLAISDELLS BUSINESS PRODUCTS								
1846128-0	Janitorial Supplies Inventory	Paid by Check #114338		11/27/2023	12/20/2023	12/31/2023		12/28/2023	264.78
		Vendor	49488 - BLAISDELLS BUSINESS PRODUCTS Totals			Invoices	1		\$264.78
Vendor	49908 - CHELSEA BLOCK								
DOLLARTREE23REIM	Incentive & Recognition Program	Paid by Check #114339		12/14/2023	12/27/2023	12/31/2023		12/28/2023	33.75
		Vendor	49908 - CHELSEA BLOCK Totals			Invoices	1		\$33.75
Vendor	49971 - BRANDED SCREEN PRINTING								
1304838	Incentive & Recognition Program + Uniforms	Paid by Check #114340		10/11/2023	12/20/2023	12/31/2023		12/28/2023	3,193.79
		Vendor	49971 - BRANDED SCREEN PRINTING Totals			Invoices	1		\$3,193.79
Vendor	12892 - CA DEPT OF TAX & FEE ADM								
L0023600158	Regulatory Operating Permits	Paid by Check #114419		11/15/2023	12/27/2023	12/31/2023		01/04/2024	2,992.75
		Vendor	12892 - CA DEPT OF TAX & FEE ADM Totals			Invoices	1		\$2,992.75
Vendor	40176 - CASHMAN EQUIPMENT								
INPS3905370	Automotive	Paid by Check #114342		11/04/2023	12/27/2023	12/31/2023		12/28/2023	721.47
INPS3906934	Automotive	Paid by Check #114342		11/07/2023	12/20/2023	12/31/2023		12/28/2023	67.22
		Vendor	40176 - CASHMAN EQUIPMENT Totals			Invoices	2		\$788.69



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Invoice Number	Invoice Description	Status	Held Reason	Invoice Date	Due Date	G/L Date	Received Date	Payment Date	Invoice Net Amount
Vendor 42328 - CDW-G CORP									
NK69220	Computer Purchases	Paid by Check #114343		12/05/2023	12/20/2023	12/31/2023		12/28/2023	11,097.32
		Vendor 42328 - CDW-G CORP Totals				Invoices	1		\$11,097.32
Vendor 48672 - CINTAS CORP									
5186701876	Safety Equipment - Physicals	Paid by Check #114344		12/04/2023	12/20/2023	12/31/2023		12/28/2023	474.32
		Vendor 48672 - CINTAS CORP Totals				Invoices	1		\$474.32
Vendor 50109 - BROCK COX									
Final Check	Final Check	Paid by Check #114420		01/03/2024	01/04/2024	01/31/2024		01/04/2024	1,093.51
		Vendor 50109 - BROCK COX Totals				Invoices	1		\$1,093.51
Vendor 50105 - JOHN DEMPSEY									
3111515	Toilet Rebate Program	Paid by Check #114345		12/13/2023	12/27/2023	12/31/2023		12/28/2023	100.00
		Vendor 50105 - JOHN DEMPSEY Totals				Invoices	1		\$100.00
Vendor 48289 - DIY HOME CENTER									
Nov 23 Stmt	Buildings & Pump Stations	Paid by Check #114346		11/30/2023	12/20/2023	12/31/2023		12/28/2023	761.05
		Vendor 48289 - DIY HOME CENTER Totals				Invoices	1		\$761.05
Vendor 43649 - DOUGLAS DISPOSAL									
2792416	Refuse Disposal	Paid by Check #114347		12/01/2023	12/20/2023	12/31/2023		12/28/2023	21.88
		Vendor 43649 - DOUGLAS DISPOSAL Totals				Invoices	1		\$21.88
Vendor 45227 - EMPIRE SAFETY & SUPPLY									
0121617-IN	Field, Shop & Safety Supplies Inventory	Paid by Check #114348		10/18/2023	12/20/2023	12/31/2023		12/28/2023	542.68
		Vendor 45227 - EMPIRE SAFETY & SUPPLY Totals				Invoices	1		\$542.68
Vendor 44032 - ENVIRONMENTAL EXPRESS									
1000763833	Laboratory Supplies	Paid by Check #114349		11/21/2023	12/20/2023	12/31/2023		12/28/2023	1,921.14
		Vendor 44032 - ENVIRONMENTAL EXPRESS Totals				Invoices	1		\$1,921.14
Vendor 48224 - ERA									
059916	Laboratory Supplies	Paid by Check #114350		11/16/2023	12/27/2023	12/31/2023		12/28/2023	180.96
		Vendor 48224 - ERA Totals				Invoices	1		\$180.96
Vendor 49573 - EUROFINS TESTAMERICA									
3800037831	Monitoring	Paid by Check #114351		11/20/2023	12/20/2023	12/31/2023		12/28/2023	40.00
		Vendor 49573 - EUROFINS TESTAMERICA Totals				Invoices	1		\$40.00
Vendor 48782 - EXTRON ELECTRONICS									
3984416	Replace Presentation Equipment	Paid by Check #114352		11/30/2023	12/20/2023	12/31/2023		12/28/2023	4,068.37
		Vendor 48782 - EXTRON ELECTRONICS Totals				Invoices	1		\$4,068.37
Vendor 41696 - FARR CONSTRUCTION									
23-06A	Luther Pass PS Tanks Rehab	Paid by Check #114421		11/30/2023	01/03/2024	12/31/2023		01/04/2024	159,165.00
23-06AR	Luther Pass PS Tanks Rehab Retainage	Paid by Check #114421		11/30/2023	01/03/2024	12/31/2023		01/04/2024	(7,958.25)
		Vendor 41696 - FARR CONSTRUCTION Totals				Invoices	2		\$151,206.75



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Vendor 48294 - FEDEX FREIGHT										
8497658116	Biosolids Equipment - Building	Paid by Check #114353		11/18/2023	12/20/2023	12/31/2023		12/28/2023	915.29	
									915.29	
							Vendor 48294 - FEDEX FREIGHT Totals	Invoices	1	
Vendor 48715 - FLEETCREW -ANELLE MGMT SRV										
13050	Automotive	Paid by Check #114354		11/02/2023	12/20/2023	12/31/2023		12/28/2023	1,208.63	
13055	Service Contracts	Paid by Check #114354		11/03/2023	12/20/2023	12/31/2023		12/28/2023	633.63	
13186	Automotive	Paid by Check #114354		11/03/2023	12/20/2023	12/31/2023		12/28/2023	125.00	
13191	Automotive	Paid by Check #114354		11/04/2023	12/20/2023	12/31/2023		12/28/2023	700.00	
									700.00	
							Vendor 48715 - FLEETCREW -ANELLE MGMT SRV Totals	Invoices	4	
									\$2,667.26	
Vendor 48402 - FLYERS ENERGY LLC										
23-964536	Gasoline Fuel Inventory	Paid by Check #114355		11/08/2023	12/20/2023	12/31/2023		12/28/2023	5,186.20	
23-964536A	Gasoline & Diesel Fuel Inventory	Paid by Check #114355		11/08/2023	12/20/2023	12/31/2023		12/28/2023	5,239.21	
23-964536C	Gasoline Fuel Inventory	Paid by Check #114355		11/08/2023	12/20/2023	12/31/2023		12/28/2023	(5,186.20)	
23-975396	Diesel Fuel Inventory	Paid by Check #114355		11/28/2023	12/20/2023	12/31/2023		12/28/2023	2,099.86	
23-977832	Gasoline Fuel Inventory	Paid by Check #114355		11/30/2023	12/20/2023	12/31/2023		12/28/2023	2,175.39	
23-980423	Gasoline Fuel Inventory	Paid by Check #114355		12/05/2023	12/20/2023	12/31/2023		12/28/2023	2,368.52	
									2,368.52	
							Vendor 48402 - FLYERS ENERGY LLC Totals	Invoices	6	
									\$11,882.98	
Vendor 50106 - LOU FONG										
3384123	Water Use Reduction Rebates	Paid by Check #114356		12/18/2023	12/27/2023	12/31/2023		12/28/2023	750.00	
									750.00	
							Vendor 50106 - LOU FONG Totals	Invoices	1	
									\$750.00	
Vendor 48288 - FRONTIER COMMUNICATIONS										
5306942753 D23	Telephone	Paid by Check #114357		12/01/2023	12/20/2023	12/31/2023		12/28/2023	340.55	
									340.55	
							Vendor 48288 - FRONTIER COMMUNICATIONS Totals	Invoices	1	
									\$340.55	
Vendor 41531 - GB GENERAL ENG CONTRACTOR INC										
23-08A	Pipe - Covers & Manholes	Paid by Check #114422		11/20/2023	01/03/2024	12/31/2023		01/04/2024	86,773.50	
23-08AR	Pipe - Covers & Manholes	Paid by Check #114422		11/20/2023	01/03/2024	12/31/2023		01/04/2024	(4,338.68)	
	Retainage									
23-08B	Misc Emergency Incident Expenses	Paid by Check #114422		11/20/2023	01/03/2024	12/31/2023		01/04/2024	20,100.50	
23-08BR	Misc Emergency Incident Expenses Retainage	Paid by Check #114422		11/20/2023	01/03/2024	12/31/2023		01/04/2024	(1,005.02)	
									20,100.50	
							Vendor 41531 - GB GENERAL ENG CONTRACTOR INC Totals	Invoices	4	
									\$101,530.30	
Vendor 15600 - GRAINGER										
9918748311	Buildings	Paid by Check #114358		11/29/2023	12/20/2023	12/31/2023		12/28/2023	630.05	
9919912023	Automotive	Paid by Check #114358		11/30/2023	12/20/2023	12/31/2023		12/28/2023	40.03	
9920128064	Buildings	Paid by Check #114358		11/30/2023	12/20/2023	12/31/2023		12/28/2023	1,086.75	
9934658437	Buildings	Paid by Check #114358		12/13/2023	12/27/2023	12/31/2023		12/28/2023	173.61	
									173.61	
							Vendor 15600 - GRAINGER Totals	Invoices	4	
									\$1,930.44	
Vendor 48949 - JESSICA HENDERSON										
3363207	Clothes Washer Rebate Program	Paid by Check #114359		12/13/2023	12/27/2023	12/31/2023		12/28/2023	200.00	
									200.00	
							Vendor 48949 - JESSICA HENDERSON Totals	Invoices	1	
									\$200.00	
Vendor 49939 - HERC RENTALS INC										



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Invoice Number	Invoice Description	Status	Held Reason	Invoice Date	Due Date	G/L Date	Received Date	Payment Date	Invoice Net Amount
34073777-002	Equipment Rental- Lease	Paid by Check #114360		11/21/2023	12/27/2023	12/31/2023		12/28/2023	2,681.25
		Vendor 49939 - HERC RENTALS INC Totals				Invoices	1		\$2,681.25
Vendor 45122 - HYDRAULIC INDUSTRIAL SERVICES INC									
61213	Automotive	Paid by Check #114361		11/20/2023	12/20/2023	12/31/2023		12/28/2023	2,654.75
		Vendor 45122 - HYDRAULIC INDUSTRIAL SERVICES INC Totals				Invoices	1		\$2,654.75
Vendor 48193 - INSTRUMENT TECHNOLOGY CORP									
22601	Pipe - Covers & Manholes	Paid by Check #114362		10/11/2023	12/20/2023	12/31/2023		12/28/2023	5,294.21
		Vendor 48193 - INSTRUMENT TECHNOLOGY CORP Totals				Invoices	1		\$5,294.21
Vendor 48140 - INTEGRITY LOCKSMITH									
i39504	Grounds & Maintenance	Paid by Check #114363		12/01/2023	12/20/2023	12/31/2023		12/28/2023	130.17
		Vendor 48140 - INTEGRITY LOCKSMITH Totals				Invoices	1		\$130.17
Vendor 50034 - INTERSTATE SALES									
1388999	Hydrant Project - City	Paid by Check #114364		11/21/2023	12/20/2023	12/31/2023		12/28/2023	6,640.29
		Vendor 50034 - INTERSTATE SALES Totals				Invoices	1		\$6,640.29
Vendor 50024 - JONES MAYER									
119758	Legal Services November 2023	Paid by Check #114365		11/30/2023	12/20/2023	11/30/2023		12/28/2023	3,367.73
		Vendor 50024 - JONES MAYER Totals				Invoices	1		\$3,367.73
Vendor 43694 - KIMBALL MIDWEST									
101662697	Shop Supplies	Paid by Check #114366		11/21/2023	12/20/2023	12/31/2023		12/28/2023	372.59
		Vendor 43694 - KIMBALL MIDWEST Totals				Invoices	1		\$372.59
Vendor 49725 - LAKESIDE TERMITE & PEST CONTROL									
016239911	Buildings	Paid by Check #114367		11/17/2023	12/20/2023	12/31/2023		12/28/2023	95.00
015873280	Buildings	Paid by Check #114367		12/05/2023	12/20/2023	12/31/2023		12/28/2023	5,000.00
		Vendor 49725 - LAKESIDE TERMITE & PEST CONTROL Totals				Invoices	2		\$5,095.00
Vendor 22550 - LIBERTY UTILITIES									
200008913614 O23	Electricity	Paid by Check #114368		11/17/2023	12/20/2023	12/31/2023		12/28/2023	16.91
200008904225 923	Electricity	Paid by Check #114368		11/28/2023	12/20/2023	12/31/2023		12/28/2023	21.17
200008895654 N23	Electricity	Paid by Check #114368		12/06/2023	12/20/2023	12/31/2023		12/28/2023	120.04
200008913796 N23	Electricity	Paid by Check #114368		12/08/2023	12/20/2023	12/31/2023		12/28/2023	56.25
200008909950 N23	Electricity	Paid by Check #114368		12/11/2023	12/20/2023	12/31/2023		12/28/2023	976.63
200008913051 N23	Electricity	Paid by Check #114368		12/11/2023	12/20/2023	12/31/2023		12/28/2023	609.01
200008913150 N23	Electricity	Paid by Check #114368		12/11/2023	12/20/2023	12/31/2023		12/28/2023	218.78
200008913226 O23	Electricity	Paid by Check #114368		12/11/2023	12/20/2023	12/31/2023		12/28/2023	293.93
200008913333 N23	Electricity	Paid by Check #114368		12/11/2023	12/20/2023	12/31/2023		12/28/2023	822.38
200008913713 N23	Electricity	Paid by Check #114368		12/11/2023	12/20/2023	12/31/2023		12/28/2023	320.98
200008919025 O23	Electricity	Paid by Check #114368		12/11/2023	12/20/2023	12/31/2023		12/28/2023	308.85
200008919215 O23	Electricity	Paid by Check #114368		12/11/2023	12/20/2023	12/31/2023		12/28/2023	534.98
200008928224 N23	Electricity	Paid by Check #114368		12/11/2023	12/20/2023	12/31/2023		12/28/2023	106.60
200008899078 N23	Electricity	Paid by Check #114368		12/12/2023	12/28/2023	12/31/2023		12/28/2023	32.36
200008899169 N23	Electricity	Paid by Check #114368		12/12/2023	12/28/2023	12/31/2023		12/28/2023	24.42
200008899391 N23	Electricity	Paid by Check #114368		12/12/2023	12/28/2023	12/31/2023		12/28/2023	144.62
200008899649 N23	Electricity	Paid by Check #114368		12/12/2023	12/28/2023	12/31/2023		12/28/2023	242.57



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200008904415 O23	Electricity	Paid by Check #114423		12/12/2023	01/03/2024	12/31/2023		01/04/2024	1,223.86
200008904753 O23	Electricity	Paid by Check #114368		12/12/2023	12/28/2023	12/31/2023		12/28/2023	1,188.68
200008913424 N23	Electricity	Paid by Check #114368		12/12/2023	12/28/2023	12/31/2023		12/28/2023	764.92
200008913614 N23	Electricity	Paid by Check #114368		12/12/2023	12/28/2023	12/31/2023		12/28/2023	23.20
200008913887 N23	Electricity	Paid by Check #114368		12/12/2023	12/28/2023	12/31/2023		12/28/2023	103.43
200008919025 N23	Electricity	Paid by Check #114368		12/12/2023	12/28/2023	12/31/2023		12/28/2023	496.42
200008919389 O23	Electricity	Paid by Check #114368		12/12/2023	12/28/2023	12/31/2023		12/28/2023	555.08
200008923183 O23	Electricity	Paid by Check #114368		12/12/2023	12/28/2023	12/31/2023		12/28/2023	755.25
200008923498 O23	Electricity	Paid by Check #114368		12/12/2023	12/28/2023	12/31/2023		12/28/2023	2,395.67
200008937027 N23	Electricity	Paid by Check #114368		12/12/2023	12/28/2023	12/31/2023		12/28/2023	36.62
200009089042 N23	Electricity	Paid by Check #114368		12/12/2023	12/20/2023	12/31/2023		12/28/2023	37.85
200009089216 N23	Electricity	Paid by Check #114368		12/12/2023	12/20/2023	12/31/2023		12/28/2023	34.20
200008904860 N23	Electricity	Paid by Check #114368		12/13/2023	12/28/2023	12/31/2023		12/28/2023	836.29
200008919215 N23	Electricity	Paid by Check #114368		12/13/2023	12/28/2023	12/31/2023		12/28/2023	772.53
200008913952 N23	Electricity	Paid by Check #114368		12/14/2023	12/28/2023	12/31/2023		12/28/2023	224.88
200008919124 N23	Electricity	Paid by Check #114368		12/14/2023	12/28/2023	12/31/2023		12/28/2023	748.72
200008919298 N23	Electricity	Paid by Check #114368		12/14/2023	12/28/2023	12/31/2023		12/28/2023	192.53
200008923183 N23	Electricity	Paid by Check #114368		12/14/2023	12/28/2023	12/31/2023		12/28/2023	1,458.40
200008923704 N23	Electricity	Paid by Check #114368		12/14/2023	12/28/2023	12/31/2023		12/28/2023	90,642.01
200008928315 O23	Electricity	Paid by Check #114368		12/14/2023	12/28/2023	12/31/2023		12/28/2023	16,541.65
200008904415 N23	Electricity	Paid by Check #114423		12/15/2023	01/03/2024	12/31/2023		01/04/2024	198.94
200008919389 N23	Electricity	Paid by Check #114368		12/15/2023	12/28/2023	12/31/2023		12/28/2023	609.01
200008904225 N23	Electricity	Paid by Check #114423		12/18/2023	01/03/2024	12/31/2023		01/04/2024	26.86
200008904753 N23	Electricity	Paid by Check #114368		12/18/2023	12/28/2023	12/31/2023		12/28/2023	1,609.72
200008923282 N23	Electricity	Paid by Check #114368		12/18/2023	12/28/2023	12/31/2023		12/28/2023	13,006.00
200008928315 N23	Electricity	Paid by Check #114368		12/19/2023	12/28/2023	12/31/2023		12/28/2023	8,868.68
200008937159 N23	Electricity	Paid by Check #114368		12/19/2023	12/28/2023	12/31/2023		12/28/2023	102.55
200008895860 N23	Electricity	Paid by Check #114368		12/20/2023	12/28/2023	12/31/2023		12/28/2023	594.34
200008898161 N23	Electricity	Paid by Check #114368		12/20/2023	12/28/2023	12/31/2023		12/28/2023	173.31
200008909877 N23	Electricity	Paid by Check #114368		12/20/2023	12/28/2023	12/31/2023		12/28/2023	404.88
200008919454 D23	Electricity	Paid by Check #114368		12/20/2023	12/28/2023	12/31/2023		12/28/2023	45.46
200008919603 N23	Electricity	Paid by Check #114368		12/20/2023	12/28/2023	12/31/2023		12/28/2023	355.46
200008937290 N23	Electricity	Paid by Check #114368		12/20/2023	12/28/2023	12/31/2023		12/28/2023	27.48
200008904134 N23	Electricity	Paid by Check #114368		12/21/2023	12/28/2023	12/31/2023		12/28/2023	79.34
200008913226 N23	Electricity	Paid by Check #114368		12/21/2023	12/28/2023	12/31/2023		12/28/2023	802.43
200008923928 N23	Electricity	Paid by Check #114368		12/21/2023	12/28/2023	12/31/2023		12/28/2023	108.61
200008923985 N23	Electricity	Paid by Check #114368		12/21/2023	12/28/2023	12/31/2023		12/28/2023	96.13
200008928828 N23	Electricity	Paid by Check #114368		12/21/2023	12/28/2023	12/31/2023		12/28/2023	73.55
200008898336 N23	Electricity	Paid by Check #114423		12/22/2023	01/03/2024	12/31/2023		01/04/2024	2,087.26
				Vendor 22550 - LIBERTY UTILITIES Totals		Invoices	56		\$153,152.68
Vendor 47903 - LINDE GAS & EQUIPMENT INC	39809721	Small Tools	Paid by Check #114369	11/30/2023	12/20/2023	12/31/2023		12/28/2023	319.63



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		Vendor	47903 - LINDE GAS & EQUIPMENT INC Totals				Invoices	1	\$319.63
Vendor 17900 - MC MASTER CARR SUPPLY CO 18542380	Pump Stations	Paid by Check #114370		12/05/2023	12/27/2023	12/31/2023		12/28/2023	623.03
		Vendor	17900 - MC MASTER CARR SUPPLY CO Totals				Invoices	1	\$623.03
Vendor 18150 - MEEKS LUMBER & HARDWARE Nov 23 Stmt	Buildings & Pump Stations	Paid by Check #114371		11/30/2023	12/20/2023	12/31/2023		12/28/2023	1,058.63
		Vendor	18150 - MEEKS LUMBER & HARDWARE Totals				Invoices	1	\$1,058.63
Vendor 43889 - MME MUNICIPAL MAINTENANCE 014636	Automotive	Paid by Check #114372		10/12/2023	12/27/2023	12/31/2023		12/28/2023	943.94
014650	Automotive	Paid by Check #114372		10/12/2023	12/27/2023	12/31/2023		12/28/2023	(584.99)
015935	Automotive	Paid by Check #114372		11/17/2023	12/27/2023	12/31/2023		12/28/2023	(358.95)
016820	Automotive	Paid by Check #114372		12/12/2023	12/27/2023	12/31/2023		12/28/2023	872.62
		Vendor	43889 - MME MUNICIPAL MAINTENANCE Totals				Invoices	4	\$872.62
Vendor 50107 - ROBIN MOREE 2624302	Clothes Washer Rebate Program	Paid by Check #114373		12/13/2023	12/27/2023	12/31/2023		12/28/2023	200.00
		Vendor	50107 - ROBIN MOREE Totals				Invoices	1	\$200.00
Vendor 49765 - NAPA AUTO PARTS 2540-705630	Generators	Paid by Check #114374		11/01/2023	12/20/2023	12/31/2023		12/28/2023	1,618.19
Nov 23 Stmt	Shop Supplies & Buildings	Paid by Check #114374		11/30/2023	12/27/2023	12/31/2023		12/28/2023	1,427.89
		Vendor	49765 - NAPA AUTO PARTS Totals				Invoices	2	\$3,046.08
Vendor 49208 - NEVADA NEWS GROUP 38156	Ads-Legal Notices	Paid by Check #114375		11/30/2023	12/20/2023	12/31/2023		12/28/2023	930.00
		Vendor	49208 - NEVADA NEWS GROUP Totals				Invoices	1	\$930.00
Vendor 48315 - O'REILLY AUTO PARTS Nov 23 Stmt	Shop Supplies & Buildings	Paid by Check #114376		11/28/2023	12/20/2023	12/31/2023		12/28/2023	286.61
		Vendor	48315 - O'REILLY AUTO PARTS Totals				Invoices	1	\$286.61
Vendor 44607 - OLIN PIONEER AMERICAS LLC 900359034	Hypochlorite	Paid by Check #114377		12/13/2023	12/27/2023	12/31/2023		12/28/2023	13,982.24
		Vendor	44607 - OLIN PIONEER AMERICAS LLC Totals				Invoices	1	\$13,982.24
Vendor 49806 - OUTSIDE INTERACTIVE INC 37548	Public Relations Expense	Paid by Check #114378		11/01/2023	12/20/2023	12/31/2023		12/28/2023	2,011.00
		Vendor	49806 - OUTSIDE INTERACTIVE INC Totals				Invoices	1	\$2,011.00
Vendor 41272 - PAC MACHINE CO 92670	Misc Water Pump Rebuilds (TBD)	Paid by Check #114379		12/08/2023	12/20/2023	12/31/2023		12/28/2023	3,652.75
		Vendor	41272 - PAC MACHINE CO Totals				Invoices	1	\$3,652.75
Vendor 48553 - RAUCH COMMUNICATION 6/7-2023-08	Contractual Services	Paid by Check #114380		07/25/2023	12/20/2023	12/31/2023		12/28/2023	255.00
		Vendor	48553 - RAUCH COMMUNICATION Totals				Invoices	1	\$255.00



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Vendor 48144 - RELIANCE STANDARD									
DEC 2023	Voluntary Life Payable	Paid by Check #114381		12/01/2023	12/20/2023	12/31/2023		12/28/2023	325.74
DEC23A	LTD/Life Insurance Management	Paid by Check #114381		12/01/2023	12/20/2023	12/31/2023		12/28/2023	2,483.09
DEC23B	LTD/Life Insurance Union/Board Payable	Paid by Check #114381		12/01/2023	12/20/2023	12/31/2023		12/28/2023	3,388.14
Vendor 48144 - RELIANCE STANDARD Totals							Invoices	3	\$6,196.97
Vendor 44761 - REXEL NORCAL VALLEY-SACRAMENTO									
S138133883.001	Buildings	Paid by Check #114382		11/20/2023	12/20/2023	12/31/2023		12/28/2023	1,920.00
Vendor 44761 - REXEL NORCAL VALLEY-SACRAMENTO Totals							Invoices	1	\$1,920.00
Vendor 44581 - SCP SCIENCE									
IN0000376194	Laboratory Supplies	Paid by Check #114383		11/29/2023	12/20/2023	12/31/2023		12/28/2023	247.09
Vendor 44581 - SCP SCIENCE Totals							Invoices	1	\$247.09
Vendor 49911 - SEARCHPROS STAFFING LLC									
23112831	Contractual Services	Paid by Check #114384		11/28/2023	12/20/2023	12/31/2023		12/28/2023	1,028.08
23120532	Contractual Services	Paid by Check #114384		12/05/2023	12/20/2023	12/31/2023		12/28/2023	1,303.97
Vendor 49911 - SEARCHPROS STAFFING LLC Totals							Invoices	2	\$2,332.05
Vendor 48735 - SILVER STATE ANALYTICAL LAB									
RN308682	Monitoring	Paid by Check #114385		12/08/2023	12/20/2023	12/31/2023		12/28/2023	501.00
Vendor 48735 - SILVER STATE ANALYTICAL LAB Totals							Invoices	1	\$501.00
Vendor 40233 - SILVER STATE INT'L INC									
X201129706:01	Automotive	Paid by Check #114386		12/11/2023	12/20/2023	12/31/2023		12/28/2023	7,589.88
Vendor 40233 - SILVER STATE INT'L INC Totals							Invoices	1	\$7,589.88
Vendor 45014 - SMITH POWER PRODUCTS INC									
3223650	Paloma Well Generator	Paid by Check #114387		11/29/2023	12/20/2023	12/31/2023		12/28/2023	126,367.51
Vendor 45014 - SMITH POWER PRODUCTS INC Totals							Invoices	1	\$126,367.51
Vendor 44594 - SOLENIS LLC									
132502612	Polymer	Paid by Check #114388		12/04/2023	12/20/2023	12/31/2023		12/28/2023	32,872.95
Vendor 44594 - SOLENIS LLC Totals							Invoices	1	\$32,872.95
Vendor 44577 - SOUNDPROS INC									
231122-47	Public Relations Expense	Paid by Check #114389		11/22/2023	12/20/2023	12/31/2023		12/28/2023	49.00
Vendor 44577 - SOUNDPROS INC Totals							Invoices	1	\$49.00
Vendor 23400 - SOUTH TAHOE PUBLIC UTILITY DISTRICT									
2506132-001 N23	Water & Other Utilities	Paid by Check #114390		12/01/2023	12/20/2023	12/31/2023		12/28/2023	1,360.84
2612107-001 N23	Water	Paid by Check #114390		12/01/2023	12/20/2023	12/31/2023		12/28/2023	100.92
2718021-001 1123	Water	Paid by Check #114390		12/01/2023	12/20/2023	12/31/2023		12/28/2023	152.24
3102034-001 N23	Water	Paid by Check #114390		12/01/2023	12/20/2023	12/31/2023		12/28/2023	235.38
3103021-001 1123	Water	Paid by Check #114390		12/01/2023	12/20/2023	12/31/2023		12/28/2023	152.24
3122506-001 N23	Water & Other Utilities	Paid by Check #114390		12/01/2023	12/20/2023	12/31/2023		12/28/2023	92.42
3221118-001 N23	Other Utilities	Paid by Check #114390		12/01/2023	12/20/2023	12/31/2023		12/28/2023	35.06
Vendor 23400 - SOUTH TAHOE PUBLIC UTILITY DISTRICT Totals							Invoices	7	\$2,129.10
Vendor 23450 - SOUTH TAHOE REFUSE									
2789044	Refuse Disposal	Paid by Check #114391		12/01/2023	12/20/2023	12/31/2023		12/28/2023	53.79



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			Vendor 23450 - SOUTH TAHOE REFUSE Totals			Invoices		1	\$53.79
Vendor 45168 - SOUTHWEST GAS									
910000416224 N23	Natural Gas	Paid by Check #114392		12/01/2023	12/20/2023	12/31/2023		12/28/2023	81.19
910000657163 N23	Natural Gas	Paid by Check #114392		12/01/2023	12/20/2023	12/31/2023		12/28/2023	44.17
910000040369 N23	Natural Gas	Paid by Check #114392		12/06/2023	12/20/2023	12/31/2023		12/28/2023	842.50
910000041349 N23	Natural Gas	Paid by Check #114392		12/06/2023	12/20/2023	12/31/2023		12/28/2023	12.95
910000041350 N23	Natural Gas	Paid by Check #114392		12/08/2023	12/28/2023	12/31/2023		12/28/2023	11.00
910000665034 N23	Natural Gas	Paid by Check #114392		12/11/2023	12/28/2023	12/31/2023		12/28/2023	11.00
910000183539 D23	Natural Gas	Paid by Check #114392		12/15/2023	12/28/2023	12/31/2023		12/28/2023	90.94
910000041350N23B	Natural Gas	Paid by Check #114424		12/20/2023	01/03/2024	12/31/2023		01/04/2024	1,245.89
910000175915 D23	Natural Gas	Paid by Check #114424		12/20/2023	01/03/2024	12/31/2023		01/04/2024	142.69
910000639911 D23	Natural Gas	Paid by Check #114424		12/20/2023	01/03/2024	12/31/2023		01/04/2024	71.25
910000416139 D23	Natural Gas	Paid by Check #114424		12/21/2023	01/03/2024	12/31/2023		01/04/2024	244.28
910000192416 D23	Natural Gas	Paid by Check #114424		12/22/2023	01/03/2024	12/31/2023		01/04/2024	873.82
			Vendor 45168 - SOUTHWEST GAS Totals			Invoices		12	\$3,671.68
Vendor 49064 - STAPLES BUSINESS ADVANTAGE									
3553387399	Office Supplies	Paid by Check #114393		11/25/2023	12/20/2023	12/31/2023		12/28/2023	13.27
3553387400	Office Supplies	Paid by Check #114393		11/25/2023	12/20/2023	12/31/2023		12/28/2023	74.46
			Vendor 49064 - STAPLES BUSINESS ADVANTAGE Totals			Invoices		2	\$87.73
Vendor 50018 - SUMMIT FIRE & SECURITY LLC									
571071867	Buildings	Paid by Check #114394		11/16/2023	12/20/2023	12/31/2023		12/28/2023	2,499.99
			Vendor 50018 - SUMMIT FIRE & SECURITY LLC Totals			Invoices		1	\$2,499.99
Vendor 48481 - SWRCB ACCOUNTING OFFICE									
WD-0233984	Regulatory Operating Permits	Paid by Check #114395		11/29/2023	12/20/2023	12/31/2023		12/28/2023	3,746.00
WD-0234011	Regulatory Operating Permits	Paid by Check #114395		11/29/2023	12/20/2023	12/31/2023		12/28/2023	195,732.00
WD-0234068	Regulatory Operating Permits	Paid by Check #114395		11/29/2023	12/20/2023	12/31/2023		12/28/2023	3,576.00
			Vendor 48481 - SWRCB ACCOUNTING OFFICE Totals			Invoices		3	\$203,054.00
Vendor 47798 - T&S CONSTRUCTION CO INC									
22-17A	Tahoe Keys Sewer PS Rehab	Paid by Check #114425		11/30/2023	01/03/2024	12/31/2023		01/04/2024	29,500.00
22-17AR	Tahoe Keys Sewer PS Rehab Retainage	Paid by Check #114425		11/30/2023	01/03/2024	12/31/2023		01/04/2024	(2,950.00)
23-06A	Upper Truckee Sewer PS Rehab	Paid by Check #114425		11/30/2023	01/03/2024	12/31/2023		01/04/2024	74,085.74
23-06AR	Upper Truckee Sewer PS Rehab Retainage	Paid by Check #114425		11/30/2023	01/03/2024	12/31/2023		01/04/2024	(3,704.29)
23/07A	Secondary Clarifier #2 Rehab	Paid by Check #114425		11/30/2023	01/03/2024	12/31/2023		01/04/2024	104,250.00
23/07AR	Secondary Clarifier #2 Rehab Retainage	Paid by Check #114425		11/30/2023	01/03/2024	12/31/2023		01/04/2024	(10,425.00)
			Vendor 47798 - T&S CONSTRUCTION CO INC Totals			Invoices		6	\$190,756.45
Vendor 48886 - TAHOE CITY PUD									
#9TCPUDP1	PROP 1 2019 IMPLEMENTATION IRWM INV#9	Paid by Check #114426		12/29/2023	01/03/2024	12/31/2023		01/04/2024	9,012.70
			Vendor 48886 - TAHOE CITY PUD Totals			Invoices		1	\$9,012.70



Payment of Claims

Payment Date Range 12/14/23 - 01/10/24
 Report By Vendor - Invoice
 Summary Listing

Invoice Number	Invoice Description	Status	Held Reason	Invoice Date	Due Date	G/L Date	Received Date	Payment Date	Invoice Net Amount
Vendor 48229 - TAHOE DAILY TRIBUNE									
IN119434	Public Relations Expense	Paid by Check #114396		11/30/2023	12/20/2023	12/31/2023		12/28/2023	460.00
IN119435	Public Relations Expense	Paid by Check #114396		11/30/2023	12/20/2023	12/31/2023		12/28/2023	578.00
IN119436	Ads-Legal Notices	Paid by Check #114396		11/30/2023	12/20/2023	12/31/2023		12/28/2023	695.00
		Vendor 48229 - TAHOE DAILY TRIBUNE Totals					Invoices	3	\$1,733.00
Vendor 48366 - TAHOE OUTDOOR LIVING									
4178	Grounds & Maintenance	Paid by Check #114397		10/11/2023	12/20/2023	12/31/2023		12/28/2023	2,831.00
		Vendor 48366 - TAHOE OUTDOOR LIVING Totals					Invoices	1	\$2,831.00
Vendor 24325 - TAHOE SAND & GRAVEL									
Nov 23 Stmt	Pipe - Covers & Manholes	Paid by Check #114398		11/30/2023	12/27/2023	12/31/2023		12/28/2023	39,405.00
		Vendor 24325 - TAHOE SAND & GRAVEL Totals					Invoices	1	\$39,405.00
Vendor 48927 - TAHOE VALLEY LODGE									
1059	Standby Accommodations	Paid by Check #114399		12/03/2023	12/27/2023	12/31/2023		12/28/2023	1,905.00
		Vendor 48927 - TAHOE VALLEY LODGE Totals					Invoices	1	\$1,905.00
Vendor 49420 - THATCHER COMPANY OF NEVADA INC									
2023400116792	Hypochlorite	Paid by Check #114400		12/06/2023	12/20/2023	12/31/2023		12/28/2023	1,348.69
		Vendor 49420 - THATCHER COMPANY OF NEVADA INC Totals					Invoices	1	\$1,348.69
Vendor 48877 - SHELLY THOMSEN									
COSTCO 23 REIMB	Incentive & Recognition Program	Paid by Check #114401		12/14/2023	12/27/2023	12/31/2023		12/28/2023	383.04
		Vendor 48877 - SHELLY THOMSEN Totals					Invoices	1	\$383.04
Vendor 48748 - THUNDERBIRD COMMUNICATIONS									
3400	Water Field Communication Upgrades Phase 2	Paid by Check #114402		11/22/2023	12/20/2023	12/31/2023		12/28/2023	16,940.00
		Vendor 48748 - THUNDERBIRD COMMUNICATIONS Totals					Invoices	1	\$16,940.00
Vendor 24676 - TRANSCAT									
2122843	Electrical Instrument Calibrator	Paid by Check #114403		11/21/2023	12/20/2023	12/31/2023		12/28/2023	9,166.16
2125738	Electrical Instrument Calibrator	Paid by Check #114403		11/30/2023	12/20/2023	12/31/2023		12/28/2023	228.72
		Vendor 24676 - TRANSCAT Totals					Invoices	2	\$9,394.88
Vendor 47839 - TRI SIGNAL INTEGRATION INC									
22-06A	WWTP Fire Alarm Standardization	Paid by Check #114427		12/21/2023	01/03/2024	12/31/2023		01/04/2024	2,461.00
22-06AR	WWTP Fire Alarm Standardization Retainage	Paid by Check #114427		12/21/2023	01/03/2024	12/31/2023		01/04/2024	(123.05)
		Vendor 47839 - TRI SIGNAL INTEGRATION INC Totals					Invoices	2	\$2,337.95
Vendor 48540 - TROXLER ELECTRONIC LABS INC									
PSERVI-22-14456	Shop Supplies	Paid by Check #114404		10/18/2023	12/20/2023	12/31/2023		12/28/2023	541.59
PSERVI-22-14458	Shop Supplies	Paid by Check #114404		10/18/2023	12/20/2023	12/31/2023		12/28/2023	814.63
		Vendor 48540 - TROXLER ELECTRONIC LABS INC Totals					Invoices	2	\$1,356.22
Vendor 40114 - TRPA									
2023 Mitigation	TRPA Transportation Mitigation Fees	Paid by Check #114405		11/30/2023	12/27/2023	12/31/2023		12/28/2023	21,498.84
		Vendor 40114 - TRPA Totals					Invoices	1	\$21,498.84
Vendor 49841 - TRUCKEE DONNER PUD									



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RTNGTDONNER	PROP 1 2019 IMPLEMENTATION IRWM INV#9	Paid by Check #114428		12/29/2023	01/03/2024	12/31/2023		01/04/2024	22,500.00
Vendor 49841 - TRUCKEE DONNER PUD Totals							Invoices	1	\$22,500.00
Vendor 48747 - TYLER TECHNOLOGIES INC									
045-445080	ERP Migration/Enhancements	Paid by Check #114406		11/13/2023	12/20/2023	12/31/2023		12/28/2023	12,000.00
Vendor 48747 - TYLER TECHNOLOGIES INC Totals							Invoices	1	\$12,000.00
Vendor 49947 - USABBLUEBOOK									
INV00202408	Wells	Paid by Check #114407		11/21/2023	12/20/2023	12/31/2023		12/28/2023	1,103.20
INV00211001	10" Valve - Final Valve Deck	Paid by Check #114407		12/04/2023	12/20/2023	12/31/2023		12/28/2023	5,172.15
INV00216006	Wells	Paid by Check #114407		12/07/2023	12/20/2023	12/31/2023		12/28/2023	2,021.01
INV00216115	Wells	Paid by Check #114407		12/07/2023	12/27/2023	12/31/2023		12/28/2023	191.19
Vendor 49947 - USABBLUEBOOK Totals							Invoices	4	\$8,487.55
Vendor 15155 - USDA FOREST SERVICE									
BF041701AE088	Regulatory Operating Permits	Paid by Check #114408		11/09/2023	12/20/2023	12/31/2023		12/28/2023	1,233.38
BF051900AE023	Regulatory Operating Permits	Paid by Check #114408		11/09/2023	12/20/2023	12/31/2023		12/28/2023	64,209.41
Vendor 15155 - USDA FOREST SERVICE Totals							Invoices	2	\$65,442.79
Vendor 49100 - VALLEY EYECARE & EYEWEAR GALLERY									
NV3249	Safety Equipment - Physicals	Paid by Check #114409		12/01/2023	12/20/2023	12/31/2023		12/28/2023	375.00
Vendor 49100 - VALLEY EYECARE & EYEWEAR GALLERY Totals							Invoices	1	\$375.00
Vendor 48405 - WAXIE SANITARY SUPPLY									
82148603	Janitorial Supplies Inventory	Paid by Check #114410		12/06/2023	12/27/2023	12/31/2023		12/28/2023	1,167.06
Vendor 48405 - WAXIE SANITARY SUPPLY Totals							Invoices	1	\$1,167.06
Vendor 25850 - WESTERN NEVADA SUPPLY									
31026309	Small Tools	Paid by Check #114411		11/07/2023	12/20/2023	12/31/2023		12/28/2023	104.04
39829892	Grounds & Maintenance	Paid by Check #114411		11/07/2023	12/20/2023	12/31/2023		12/28/2023	342.52
31040866	Pipe - Covers & Manholes	Paid by Check #114411		11/17/2023	12/20/2023	12/31/2023		12/28/2023	22.61
31035055	Buildings	Paid by Check #114411		11/21/2023	12/20/2023	12/31/2023		12/28/2023	168.55
11043770	Valves Elbows Ts Flanges Inventory	Paid by Check #114411		11/27/2023	12/20/2023	12/31/2023		12/28/2023	3,174.15
19774149-1	Saddles & Fittings Inventory	Paid by Check #114411		11/27/2023	12/20/2023	12/31/2023		12/28/2023	1,021.55
39926189	Shop Supplies	Paid by Check #114411		11/28/2023	12/20/2023	12/31/2023		12/28/2023	388.67
31049487	Water Meters & Parts	Paid by Check #114411		11/30/2023	12/20/2023	12/31/2023		12/28/2023	1,023.36
31050536	Secondary Equipment	Paid by Check #114411		11/30/2023	12/20/2023	12/31/2023		12/28/2023	232.44
39955519	Grounds & Maintenance	Paid by Check #114411		11/30/2023	12/20/2023	12/31/2023		12/28/2023	192.12
31050221	Secondary Equipment	Paid by Check #114411		12/04/2023	12/20/2023	12/31/2023		12/28/2023	2,012.54
31052216	Secondary Equipment	Paid by Check #114411		12/04/2023	12/20/2023	12/31/2023		12/28/2023	194.31
11043831	Pipe - Covers & Manholes	Paid by Check #114411		12/05/2023	12/20/2023	12/31/2023		12/28/2023	8,756.55
39938130	Small Tools	Paid by Check #114411		12/05/2023	12/20/2023	12/31/2023		12/28/2023	494.16
11042942	Boxes-Lids-Extensions Inventory	Paid by Check #114429		12/06/2023	01/03/2024	12/31/2023		01/04/2024	15,824.47
11060901	Pipe - Covers & Manholes	Paid by Check #114411		12/06/2023	12/20/2023	12/31/2023		12/28/2023	728.84
11060902	Saddles & Fittings Inventory	Paid by Check #114411		12/06/2023	12/20/2023	12/31/2023		12/28/2023	4,062.44
11060904	Small Brass Parts Inventory	Paid by Check #114411		12/06/2023	12/20/2023	12/31/2023		12/28/2023	943.01



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11060905	Valves Elbows Ts Flanges Inventory	Paid by Check #114411		12/06/2023	12/27/2023	12/31/2023		12/28/2023	3,737.26
11060916	Valves Elbows Ts Flanges Inventory	Paid by Check #114411		12/06/2023	12/20/2023	12/31/2023		12/28/2023	5,951.44
11064315	Couplings Omni Parts Inventory	Paid by Check #114411		12/11/2023	12/27/2023	12/31/2023		12/28/2023	7,582.04
19917425-2	Fire Hydrants & Parts	Paid by Check #114411		12/11/2023	12/27/2023	12/31/2023		12/28/2023	2,881.01
Vendor 25850 - WESTERN NEVADA SUPPLY Totals						Invoices	22		\$59,838.08
Vendor 49738 - WEX BANK									
93222496	Diesel Expense	Paid by Check #114412		11/23/2023	12/20/2023	12/31/2023		12/28/2023	111.51
Vendor 49738 - WEX BANK Totals						Invoices	1		\$111.51
Grand Totals						Invoices	289		\$1,435,364.06

Rauch Communication chk #111629	(105.00)
Rauch Communication chk #114413	105.00
01/18/2024 P.O.C. Total	\$ 1,435,364.06



SOUTH TAHOE PUBLIC UTILITY DISTRICT

David Peterson, President
Nick Haven, Director

BOARD MEMBERS
Shane Romsos, Vice President

Kelly Sheehan, Director
Nick Exline, Director

Paul Hughes, General Manager

REGULAR MEETING OF THE BOARD OF DIRECTORS SOUTH TAHOE PUBLIC UTILITY DISTRICT December 7, 2023 MINUTES

The South Tahoe Public Utility District Board of Directors met in a regular session, 2:00 p.m., at the District Office, located at 1275 Meadow Crest Drive, South Lake Tahoe, California.

ROLL CALL: Board of Directors: President Peterson, Directors Haven, Romsos, Sheehan, Exline
Staff: Paul Hughes, Keith Collins, Melonie Guttry, Julie Ryan, Chris Stanley, Trevor Coolidge, Donielle Morse, Bren Borley, Vinny Stagnaro, Shannon Chandler, Cliff Bartlett, Mark Seelos, Liz Kauffman, Brent Goligoski, Shelly Thomsen, Erika Franco, Chris Skelly, Megan Colvey, Adrian Combes, Star Glaze, Stephen Caswell, Jamie Taylor, Heidi Baugh, Lauren Benefield, Sinead Carney, Robert Christiansen, Dan Arce, Gary Kvistad, Art Zorio

Guests: Roger Jensen, City of Mountain View and Justin Williams, MUN CPA's

1. **PLEDGE OF ALLEGIANCE:**

2. **COMMENTS FROM THE PUBLIC:** None

3. **CORRECTIONS TO THE AGENDA OR CONSENT CALENDAR:**

Melonie Guttry reported that there is a request to add Item 13b – Conference with Legal Counsel – Existing Litigation to the Agenda. This item came to the Board's attention after the Agenda was posted and cannot wait another two weeks to be addressed. This requires a 4/5's vote to be added to the Agenda.

Moved Haven/Second Sheehan/Peterson Yes/Haven Yes/Romsos Yes/Sheehan Yes/Exline Yes to find that this item was brought to the Board's attention after the Agenda was posted and cannot wait another two weeks due to a December 11, 2023, deadline, and add Agenda Item 13b to Closed Session – Conference with Legal Counsel – Existing Litigation.

4. **ADOPTION OF CONSENT CALENDAR:**

Moved Romsos/Second Exline/Peterson Yes/Haven Yes/Romsos Yes/Sheehan Yes/Exline Yes to approve the Consent Calendar as presented.

a. WINTER STORMS EMERGENCY RESPONSE

(Paul Hughes, General Manager)

Pursuant to Public Contract Code Section 22050(c), continued the emergency action to respond to the Winter Storms Emergency pursuant to Resolution No. 3242-23.

b. KELLER HEAVENLY WATER SYSTEMS IMPROVEMENTS, PHASE 2 PROJECT

(Trevor Coolidge, Senior Engineer)

1) Approved no-cost Final Balancing Change Order No. 3 to White Rock Construction, Inc., 2) Approved the Project Closeout Agreement and Release of Claims with White Rock Construction Inc., for the Keller Heavenly Water System Improvements, Phase 2 Project; and 3) Authorized the General Manager to execute Change Order No. 3 and the Project Closeout Agreement and Release of Claims.

c. DIAMOND VALLEY RANCH IRRIGATION IMPROVEMENT PROJECT

(Julie Ryan, Engineering Department Manager)

1) Approved Project Closeout Agreement and Release of Claims with Thomas Haen Company, Inc., for the Diamond Valley Ranch Irrigation Improvement Project; and 2) Authorize the General Manager to execute the Project Closeout Agreement and Release of Claims.

d. ENGINEERING PROCESS AND PROCEDURES

(Julie Ryan, Engineering Department Manager)

Adopted Resolution No. 3260-23 granting authority to the General Manager to approve certain regulatory and contracting documents.

e. LIABILITY CLAIM AGAINST SOUTH TAHOE PUBLIC UTILITY DISTRICT RECEIVED FROM MATTHEW EERNISSE

(Ryan Lee, Customer Service Manager)

Rejected the Claim against South Tahoe Public Utility District for losses allegedly sustained by Matthew Eernisse.

f. AERATION BLOWER SYSTEM IMPROVEMENTS PROJECT

(Brent Goligoski, Associate Engineer)

1) Approved the Proposal to amend existing Task Order No. 24 for Carollo Engineers, Inc., for additional engineering services for the Aeration Blower System and Improvements Project in an amount not to exceed \$177,570; and 2) Authorized the General Manger to execute Amendment A to Task Order No. 24 to the Master Services Agreement with Carollo Engineers, Inc.

g. RECEIVE AND FILE PAYMENT OF CLAIMS (Greg Dupree, Accounting Manager)

Received and filed Payment of Claims in the amount of \$4,100,623.31.

h. REGULAR BOARD MEETING MINUTES: November 16, 2023

(Melonie Guttry, Executive Services Manager/Clerk of the Board)

Approved November 16, 2023, Minutes

5. CONSENT ITEMS BROUGHT FORWARD FOR SEPARATE DISCUSSION/ACTION: None

6. PRESENTATION:

Roger Jensen, Chief Information Officer / IT Director with the City of Mountain View presented the MISAC Award of Excellence to the Information Technology (IT) Department. **Paul Hughes** congratulated the IT Department for their commitment to excellence.

Justin Williams provided a PowerPoint presentation regarding the 2022-2023 Audit results. **Paul Hughes** addressed several questions from the Board and agreed to follow up on certain questions. **Directors Romsos** and **Sheehan** thanked and congratulated staff on the audit results.

7. ITEMS FOR BOARD ACTION:

- a. Secondary Clarifier No. 1 Rehabilitation Project (Stephen Caswell, Principal Engineer) – **Stephen Caswell** provided details regarding the Secondary Clarifier No. 1 Rehabilitation Project.

Moved Sheehan/Second Romsos /Peterson Yes/Haven Yes/Romsos Yes/Sheehan Yes/Exline Yes to 1) Find minor irregularities in the bid from T&S Construction Co., Inc. to be immaterial and waive immaterial irregularities; and 2) Award the Project to the lowest responsive, responsible bidder, T&S Construction Co., Inc., in the amount of \$1,810,750.

- b. Director of Operations Position (Paul Hughes, General Manager; Liz Kaufman, HR Director) – **Paul Hughes** provided details regarding the new management position titled Director of Operations and addressed questions from the Board.

Moved Exline/Second Sheehan/Peterson Yes/Haven Yes/Romsos Yes/Sheehan Yes/Exline Yes to approve the addition of a new management position titled Director of Operations with a monthly salary range of \$14,557 - \$18,579 and approve the wage and associated benefits expenditure to be added to the fiscal year 2023/2024 budget.

- c. Election of Board Officers (Melonie Guttry, Executive Services Manager/Board Clerk)

Moved Haven/Second Sheehan/Peterson Yes/Haven Yes/Romsos Yes/Sheehan Yes/Exline Yes to elect Dave Peterson Board President for the 2024 Calendar Year.

- d. Election of Board Officers (Melonie Guttry, Executive Services Manager/Board Clerk)

Moved Exline/Second Sheehan/Peterson Yes/Haven Yes/Romsos Yes/Sheehan Yes/Exline Yes to elect Shane Romsos Board Vice President for the 2024 Calendar Year.

8. STANDING AND AD-HOC COMMITTEES AND LIAISON REPORTS:

President Peterson will not be able to attend the December 13th El Dorado Water Agency Meeting and Alternate **Director Sheehan** may attend in his absence.

9. BOARD MEMBER REPORTS:

Director Romsos reported he had a discussion with **Stephen Caswell** regarding the strategic water plan.

President Peterson reported that an article was recently in the *Wall Street Journal* regarding bit coin mining and a study that concluded that the water use used for bitcoin mining exceeded the water use for New York City.

10. STAFF/ATTORNEY REPORTS:

Donielle Morse provided a PowerPoint presentation regarding current grant and loan funding resources and addressed questions from the Board. **Director Exline** thanked staff for the presentation and asked that grants staff be included in the System Efficiency and Sustainability Committee meetings.

Shelly Thomsen and **Cliff Bartlett** provided details regarding electric vehicle fleet to meet the California regulations for 2024 and addressed questions from the Board.

11. GENERAL MANAGER REPORT:

Paul Hughes reported on several items:

- The District's Holiday Party is tomorrow night at 6 p.m.
- Due to holiday closures and possible lack of quorum, the District will possibly be cancelling the January 4, 2024, Board meeting.

12. NOTICE OF PAST AND FUTURE MEETINGS/EVENTS

13. BREAK AND ADJOURN TO CLOSED SESSION: 3:34 p.m.

RECONVENE TO OPEN SESSION: 4:27 p.m.

- a. Pursuant to Section 54956.9(d)(1) of the California Government code, Closed Session may be held for conference with legal counsel regarding existing litigation: Yolo County Superior Court Case CV 2021-1686, Alpine County vs. South Tahoe Public Utility District; et al.

No reportable Board Action

ADJOURNMENT: 4:28 p.m.

David Peterson, Board President
South Tahoe Public Utility District

Melonie Guttry, Executive Services Manager/
Clerk of the Board
South Tahoe Public Utility District



SOUTH TAHOE PUBLIC UTILITY DISTRICT

David Peterson, President
Nick Haven, Director

BOARD MEMBERS
Shane Romsos, Vice President

Kelly Sheehan, Director
Nick Exline, Director

Paul Hughes, General Manager

Andrea Salazar, Chief Financial Officer

REGULAR MEETING OF THE BOARD OF DIRECTORS SOUTH TAHOE PUBLIC UTILITY DISTRICT December 21, 2023 MINUTES

The South Tahoe Public Utility District Board of Directors met in a regular session, 2:01 p.m., at the District Office, located at 1275 Meadow Crest Drive, South Lake Tahoe, California.

ROLL CALL: Board of Directors: President Peterson, Directors Haven, Romsos, Sheehan, Exline
Staff: Paul Hughes, Andrea Salazar, Keith Collins, Melonie Guttry, Shannon Chandler, Ryan Lee, Greg Dupree, Chris Stanley, Trevor Coolidge, Stephen Caswell, Vincent Stagnaro, Mark Seelos, Heidi Baugh
Brent Goligoski, Shelly Thomsen, Buck McClelland, Megan Colvey, Taylor Jaime, Donielle Morse
Guests: Heidi Mayerhofer, Senator Marie Alvarado-Gil's Office

- 1. PLEDGE OF ALLEGIANCE:**
- 2. COMMENTS FROM THE PUBLIC:** Heidi Mayerhofer from Senator Alvarado-Gil's Office introduced herself as the Senator's liaison and provided her mobile hours at City Hall. The Board expressed their appreciation to the Senator's office for all the water bills and her support.
- 3. CORRECTIONS TO THE AGENDA OR CONSENT CALENDAR:** None
- 4. ADOPTION OF CONSENT CALENDAR:**

Moved Romsos/Second Haven/Peterson Yes/Haven Yes/Romsos Yes/Sheehan Yes/Exline Yes to approve the Consent Calendar as presented.

a. WINTER STORMS EMERGENCY RESPONSE

(Paul Hughes, General Manager)

Pursuant to Public Contract Code Section 22050(c), continued the emergency action to respond to the Winter Storms Emergency pursuant to Resolution No. 3242-23.

b. REBID 2023 ASPHALT PATCHING AND TRENCH PAVING SERVICES BID

(Chris Stanley, Field Operations Manager and Heidi Baugh, Purchasing Agent)

Approved Change Order No. 3 for final quantities for the 2023 season.

c. DIAMOND VALLEY RANCH ENGINEERING SUPPORT SERVICES

(Mark Seelos, Water Resources Manager)

1) Approved the proposed Scope of Work from JLR Consultants to provide as-needed consulting support services for operation and reporting of recycled water systems at Diamond Valley Ranch over a two-year period; and 2) Authorized the General Manager to execute Task Order No. 1 in an amount not to exceed \$125,000 over Fiscal Years 2024 and 2025.

d. SEWER PUMP STATIONS CATHODIC PROTECTION TESTING AND WET WELL CONDITION ASSESSMENT

(Megan Colvey, Senior Engineer)

1) Approved the proposed Scope of Work from JDH Corrosion Consultants, Inc. for corrosion engineering and condition assessment services for 29 Sewer Pump Stations; and 2) Authorized the General Manger to execute Task Order No. 10 to the Master Services Agreement with JDH Corrosion Consultants, Inc. in the amount of \$123,800.

e. 2023 LUTHER PASS AND HEAVENLY TANKS REHABILITATION PROJECT

(Brent Goligoski, Associate Engineer)

1) Approved Change Order No. 2 to Farr Construction dba Resource Development Company, in the amount of \$225,490; and 2) Authorized the General Manager to execute Change Order No. 2.

f. TALLAC CREEK SEWER PIPELINE PROTECTION PROJECT

(Julie Ryan, Engineering Department Manager)

Approved Change Order No. 3 to Haen Constructors, reducing the contract amount by \$138,901.87 and extending the Contract Time to 473 days.

g. CALPERS REQUIRED PAY LISTING BY POSITION

(Greg Dupree, Accounting Manager)

Adopted Resolution 3261-23 which incorporates the Pay Listing by Position for the pay listing effective November 9, 2023.

h. FINANCIAL TRANSACTION AUTHORIZATION

(Greg Dupree, Accounting Manager)

Adopted Resolution No. 3262-23 authorizing certain staff to conduct financial transactions, superseding Resolution No. 3240-23.

i. LOCAL AGENCY INVESTMENT FUND FINANCIAL TRANSACTION AUTHORIZATION

(Greg Dupree, Accounting Manager)

Adopted Resolution No. 3263-23 authorizing certain staff to conduct Local Agency Investment Fund Financial Transactions.

j. TAHOE REGIONAL PLANNING AGENCY CERTIFICATES OF DEPOSIT

(Greg Dupree, Accounting Manager)

Adopted Resolution No. 3264-23 authorizing certain staff to initiate purchase and redemptions of Certificates of Deposit held by Tahoe Regional Planning Agency, superseding Resolution No. 3239-23.

k. RECEIVE AND FILE PAYMENT OF CLAIMS (Greg Dupree, Accounting Manager)

Received and filed Payment of Claims in the amount of \$2,927,548.73.

5. CONSENT ITEMS BROUGHT FORWARD FOR SEPARATE DISCUSSION/ACTION: None**6. ITEMS FOR BOARD ACTION:**

- a. Herbert Walkup Pipeline Replacement Project (Brent Goligoski, Associate Engineer) – **Brent Goligoski** provided details regarding the Herbert Walkup Pipeline Replacement Project and addressed questions from the Board.

Moved Sheehan/Second Romsos/Peterson Yes/Haven Yes/Romsos Yes/Sheehan Yes/Exline Yes to 1) Find that the minor irregularities from Vinciguerra Construction, Inc. to be immaterial and waive the irregularities; and 2) Award the Contract for the Herbert Walkup Pipeline Replacement Project to the lowest responsive, responsible bidder Vinciguerra Construction Inc. in the amount of \$5,565,630.

- b. Stanford Camp Electrical and Generator Building Emergency Replacement Project (Julie Ryan, Engineering Department Manager and Trevor Coolidge, Senior Engineer) – **Trevor Coolidge** provided details regarding the Stanford Camp Electrical Generator Building Emergency Replacement Project and addressed questions from the Board. **Paul Hughes** provided details regarding the Emergency Storms Item regarding the work done at Stanford Camp.

Moved Romsos/Second Haven/Peterson Yes/Haven Yes/Romsos Yes/Sheehan Yes/Exline Yes to 1) Authorize staff to advertise for bids for the Stanford Camp Electrical and Generator Building Project; 2) Authorize staff to negotiate and purchase 30kw MTU generator and accessory components.

- c. Board Committees Assignments (Melonie Guttry, Executive Services Manager/Board Clerk) – **President Peterson** requested to eliminate Standing Committee: Organizational Structure, Service and Efficiency; and Ad-Hoc Committee: General Management Recruitment. Additionally, the primary liaison for City and County Fire Departments will be **Director Haven** with **Director Romsos** as the alternate and **Melonie Guttry** read the following committee appointments:

STANDING COMMITTEES *(Requires noticing prior to meetings)*

- 1) Executive Committee Peterson/Romsos
- 2) Finance Committee – Peterson/Haven
- 3) Water and Wastewater Operations Committee – Romsos/Haven
- 4) System Efficiency and Sustainability Committee – Romsos/Exline

AD HOC COMMITTEES *(Temporary in nature; no noticing requirements prior to meetings)*

- 1) Lakeside Park Associates – Sheehan/Romsos
- 2) Workforce Housing – Romsos/Exline
- 3) Tahoe Keys Negotiations – Romsos/Exline

LIAISONS *(Provides representation upon request by Board President)*

- 1) Alpine County – Romsos
- 2) ACWA (Association of California Water Agencies) – Peterson
- 3) CASA (California Association of Sanitation Agencies) – Romsos
- 4) El Dorado County Oversight Board – Sheehan/Hughes Alternate
- 5) City and County Fire Departments – Haven/Romsos Alternate
- 6) El Dorado County – Haven
- 7) City Council – Exline

8) US Forest Service - Romsos

BOARD APPOINTED REPRESENTATIVES (Attends Agency Board Meetings as a voting member)

1) El Dorado Water Agency – Peterson/Sheehan Alternate

2) ACWA/JPIA Board Representative – Peterson/Kauffman Alternate

Moved Sheehan/Second Peterson/Peterson Yes/Haven Yes/Romsos Yes/Sheehan Yes/Exline

Yes to approve Directors as assigned for each committee, liaisons, and Board appointed representatives for the 2024 calendar year.

7. STANDING AND AD-HOC COMMITTEES AND LIAISON REPORTS:

Paul Hughes reported regarding the December 13, 2023, El Dorado Water Agency meeting.

Director Sheehan reported regarding the El Dorado County Oversight Committee meeting stating that standard business was conducted and some surplus equipment will be sold to be used for affordable housing. Any surplus of funds will be returned in 2024-2025.

8. BOARD MEMBER REPORTS:

Director Sheehan represented the Board at the Employee Communications Committee on December 13, which was well attended and very informative. There was a great vibe in the room and the Board received kudos for the good General Manager hire.

9. STAFF/ATTORNEY REPORTS:

Mark Seelos provided a PowerPoint presentation regarding the South Upper Truckee Well Update and addressed questions from the Board.

10. GENERAL MANAGER REPORT:

Paul Hughes reported on several items:

- Provided a staffing update and introduced **Andrea Salazar** as the Chief Financial Officer
- The January 4, 2024, Board meeting is being cancelled and the next Board meeting will be January 18, 2024. A Board Workshop will be included before the January 18th Board meeting.
- Labor negotiations will begin January 10th. The Compensation Study began December 12th and he provided details regarding the process.
- The consultant is working on the rate studies and will present in February, 2024.
- **Trevor Coolidge** provided an update regarding the solar project status.

11. NOTICE OF PAST AND FUTURE MEETINGS/EVENTS

ADJOURNMENT: 3:01 p.m.

David Peterson, Board President
South Tahoe Public Utility District

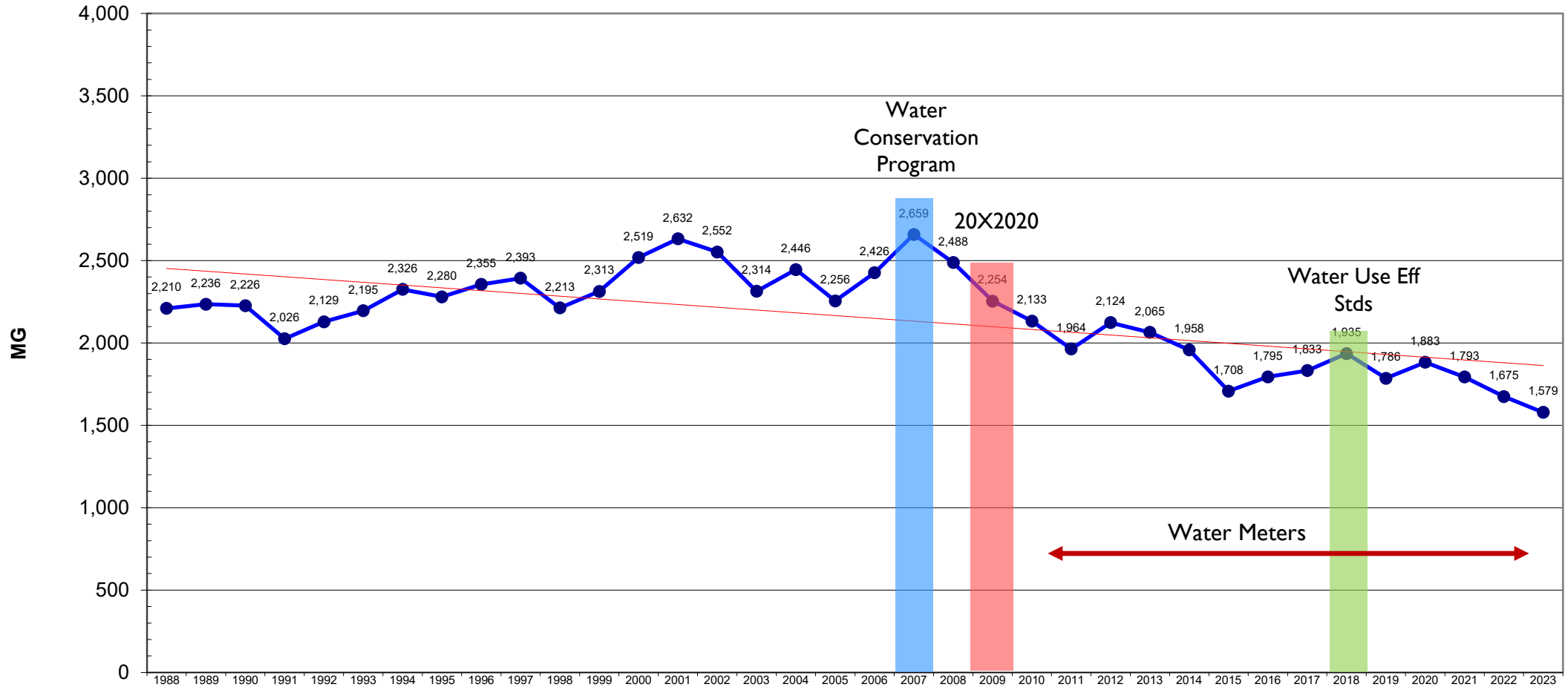
Melonie Guttry, Executive Services Manager/
Clerk of the Board
South Tahoe Public Utility District



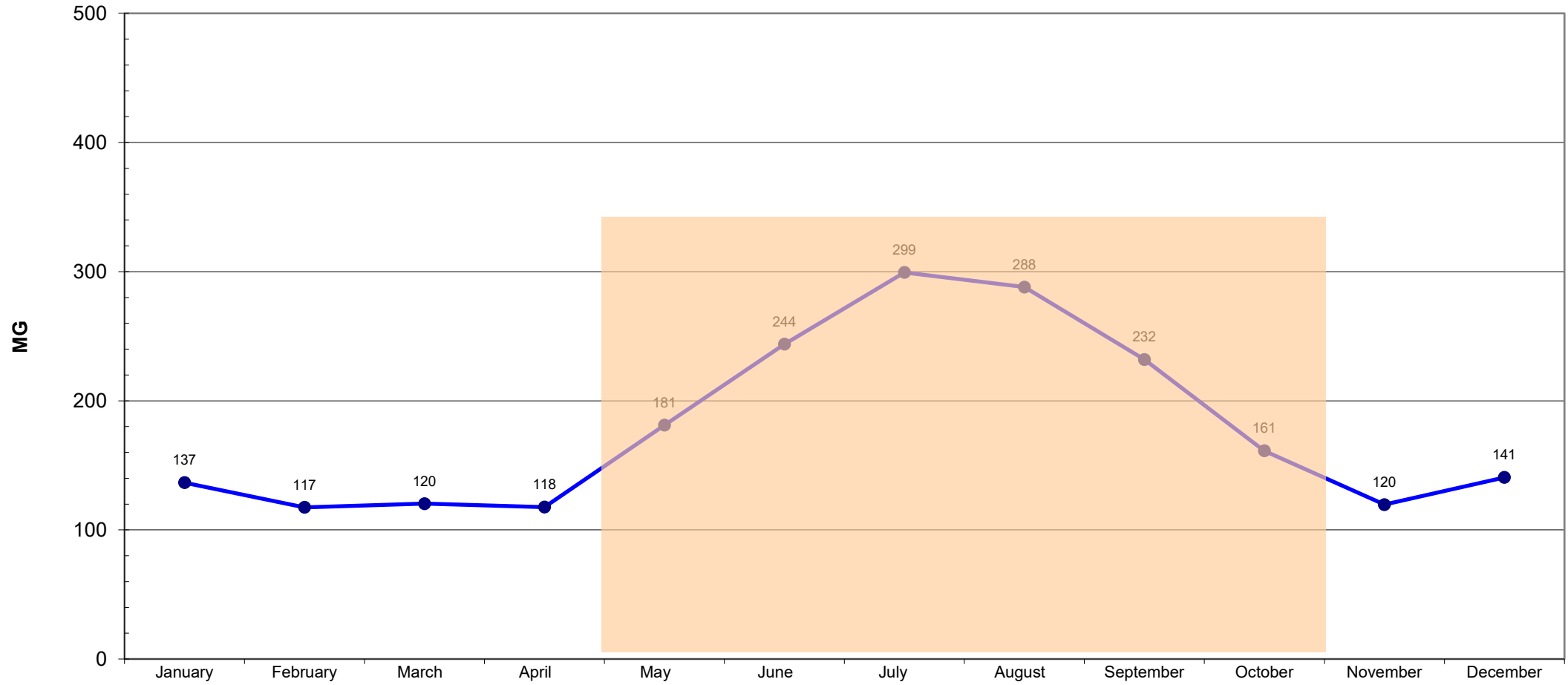
WATER CONSERVATION PROGRAM

Lauren Benefield
Water Conservation Specialist
1/18/2024

Annual Water Production 1988 - 2023



Average Monthly Water Production 1988 - 2023



WATER CONSERVATION STAGE I

Table 3-1: Water Shortage Contingency Plan Levels

Shortage Level	District Administrative Code Stages	Complete Both	
		Percent Shortage Range ¹ <i>Numerical value as a percent</i>	Water Shortage Condition <i>(Narrative description)</i>
<i>Add additional rows as needed</i>			
1	I	Up to 10%	Minor Supply Reduction ⁽²⁾
2		Up to 20%	
3	II	Up to 30%	Significant Supply Reduction (e.g., RPO)
4		Up to 40%	
5		Up to 50%	
6	III	>50%	Significant Supply Reduction under Water Emergency Condition (e.g., wildfire with RPO)

¹ One stage in the Water Shortage Contingency Plan must address a water shortage of 50%.

NOTES:

1. Table format based on DWR Guidebook Table 8-1.
2. This water shortage condition could be triggered if the District provides emergency supply to neighboring water systems under below normal or dry water years.

Designated watering days
(3X/week)

Repair all leaks

Do not allow irrigation runoff to
flow onto street or adjacent prop

All hoses fitted with shut-off
nozzle



CUSTOMER SERVICES



FREE SERVICES



TURF BUY BACK



REBATES



FREE SERVICES



Water Wise Landscape Consultations

2023 - 82

2022 - 79



Water Wise House Calls

2023 - 10

2022 - 31

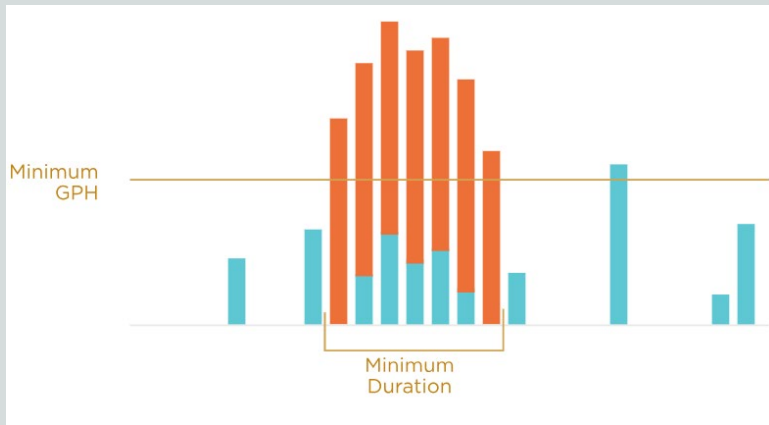


LEAK DETECTION

5,281 Leak Alerts Sent

Leak Investigation and Repairs

~26 million gallons water saved



Mel

The cleaning people inadvertently left the hot water faucet on in our upstairs bathroom. Since no one was there, it ran until this email came and it was checked out. Thank you!

Not A Leak - 198 Gallons Per Hour
Confirmed as Left a Hose or Faucet Running

Dennis & Julie Wardell

We found water slowly coming up the stop & drain stand pipe. We turned the stop & drain on & off several times to engage the valve to be fully open before the water went down. I am sure this was the cause of the problem. There had been sufficient water pressure in the house and we didn't hear water running, so thank you for notifying us, we really appreciate it!

Leak Found - 7 Gallons Per Hour
Confirmed as Other



TURF BUY BACK

Conversions

- 2023 - 22 customers
- 2022 – 26 customers

Square Feet Converted

- 2023 – 27,325 sq ft
- 2022 – 34,027 sq ft

Gallons of Water Saved Annually

- 2023 – 341,949 gallons
- 2022 – 590,030 gallons

Residential - 1.50 per square foot up to \$3,000 or 2000 sqft
Commercial – 1.50 per sq ft up to \$5,000 or 3,333 sqft



BEFORE



AFTER



REBATES

Irrigation Controller Rebate

- 2023 – 16 controllers; \$1,586.78
- 2022 – 13 controllers; \$1,291.50

Clothes Washer

- 2023 – 29 clothes washers; \$6,200
- 2022 – 51 clothes washers; \$8,800

High Efficiency Toilet Rebate

- 2023 – 43 toilets; \$3,745.04
- 2022 – 51 toilets; \$4,349.50

Leak Repair

- 2023 – 24 leaks repaired; \$11,452.06
- 2022 – 15 leaks repaired; \$8,149.60

Public Agency Retrofit

- \$26,868.66 used by LTUSD
- Working with City to utilize remaining funds



The graphic features a blue water drop character with a smiling face and dollar signs for eyes, holding a green dollar sign. To its right, the text reads "IRRIGATION CONTROLLER REBATE" in large blue letters, followed by "Get paid for updating your irrigation controller with a WaterSense controller." Below this is a circular "WaterSense Meets EPA Criteria" logo. An orange button with a mouse cursor points to the URL "mywater.stpud.us". The background shows a stylized green irrigation controller with a checkmark, set against a backdrop of colorful flowers and a blue sky. At the bottom left is the South Tahoe Public Utility District logo, which includes the text "SOUTH TAHOE", "Since 1950", and "Water PUBLIC UTILITY DISTRICT".



OUTREACH



DIGITAL MESSAGING



FARMERS MARKETS



COMMUNITY EVENTS



TAHOE FRIENDLY
GARDEN
WORKSHOPS



DIGITAL MESSAGING

Dear Ian & Rachel,

As temperatures drop below freezing, protecting your home plumbing from the damage and expense caused by frozen pipes is essential. Remember these tips to prepare your home for chilly temps.

Before freezing temperatures set in:

- Turn off and drain irrigation systems.
- Disconnect and drain all outdoor hoses.
- Insulate exposed pipes or faucets.
- Seal holes and cracks in exterior walls, foundation, and around pipes.
- Locate and test your home shut-off valve
- Make sure STPUD has your current phone number in case of an emergency. To update your contact information, call 530-544-6474 or visit stpud.watersmart.com.

If you are away from your home during the winter months:

- Turn off your home shut-off valve.
- Open indoor and outdoor faucets to drain pipes. Remember to close faucets once drained.
- Open all bedroom, bathroom, and closet doors, and cabinet doors in the kitchen and bathroom.
- Keep the thermostat at 65 degrees (as recommended by the Insurance Information Institute).

To learn more about winterizing your home, visit <https://stpud.us/customers/winterizing-tips/>.

Best,
South Tahoe Public Utility District



southtaoepud

Don't let the Elf start your holiday season off with a fright! Make sure to disconnect and drain outdoor spigots. Keep your home safe this holiday season!

#waterconservation #southtaoepud

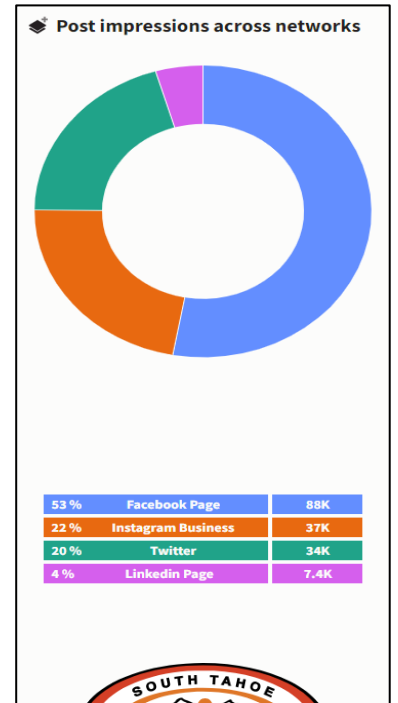
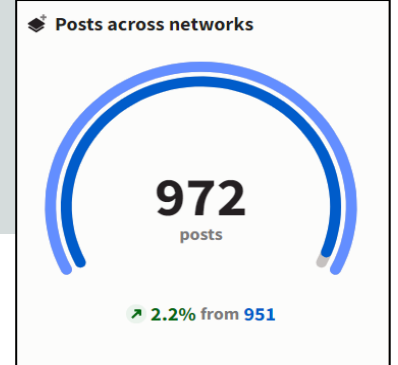
5w

View insights

Boost post

Liked by southlaketahoefire and 29 others
December 1, 2023

Add a comment...



FARMERS MARKETS

- El Dorado County Farmers Market
- Meyers Mountain Market
- Ski Run Farmers Market



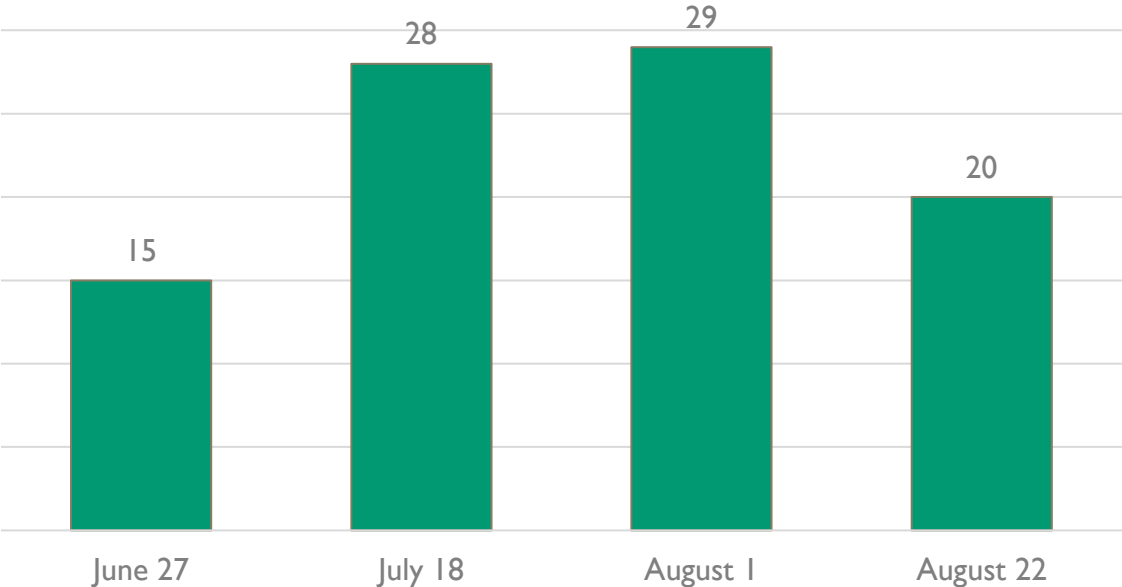
COMMUNITY EVENTS

- Earth Day Festival
- High Elevation Gardening Festival
- Tahoe Mountain Biking Festival
- Wildfire Safety Expo
- A Day in Paradise Park
- FireFest
- Tahoe Summit
- Business Expo



TAHOE FRIENDLY GARDEN WORKSHOPS

Tahoe Friendly Garden Attendees by Date



FREE GARDENING WORKSHOPS

Learn how to design & plant a Tahoe Friendly Garden.

RETHINKING YOUR LAWN
TUE 6/27: 6 pm - 7 pm

PLANNING YOUR TAHOE FRIENDLY LANDSCAPE
TUE 7/18: 6 pm - 7:30 pm

DESIGNING TAHOE FRIENDLY GARDENS
TUE 8/1: 6 pm - 7:30 pm

EFFICIENT IRRIGATION & DRIP IRRIGATION DESIGN
TUE 8/22: 6 pm - 7:30 pm

Hosted at South Tahoe Public Utility District
1275 Meadow Crest Drive

SOUTH TAHOE PUBLIC UTILITY DISTRICT
stpuud.us



UPCOMING FOR CONSERVATION

SB 606 & AB 1668 (2018) – Water Use Efficiency Regulation

- Water Budget =
 - Indoor Standards
 - Outdoor Standards
 - Water Loss Standards
 - CII – Designated Irrigation Meters (DIMs)
 - Variances (Seasonal Population Variance)

AB 1572 - Ban on Irrigating Non-functional Turf with Potable Water

- Cannot Irrigate with Potable Water:
 - Commercial
 - Industrial
 - Institutional
 - Multi-Family

Administrative Code Updates to Comply

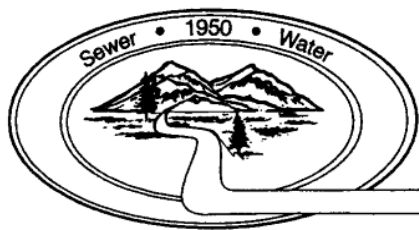
- Updating Residential Water Conservation Stages

QUESTIONS?

lbenefield@stpud.us

General Manager
Paul Hughes

Directors
Nick Haven
Shane Romsos
David Peterson
Kelly Sheehan
Nick Exline



South Tahoe Public Utility District

1275 Meadow Crest Drive • South Lake Tahoe • CA 96150-7401
Phone 530 544-6474 • Fax 530 541-0614 • www.stpud.us

BOARD AGENDA ITEM 11a

TO: Board of Directors

FROM: Paul Hughes, General Manager
Liz Kauffman, Human Resources Director

MEETING DATE: January 18, 2024

ITEM – PROJECT NAME: Closed Session – Union Memorandum of Understanding
Contract Negotiations

REQUESTED BOARD ACTION: Direct Staff

DISCUSSION: Pursuant to Government Code Section 54957.6(a)/Conference with Labor Negotiators re: Memorandum of Understanding with Stationary Engineers, Local 39. Present at this Closed Session will be Agency Negotiators: Paul Hughes, General Manager; Andrea Salazar, Chief Financial Officer; Liz Kauffman, Human Resources Director.

SCHEDULE: N/A

COSTS: N/A

ACCOUNT NO: N/A

BUDGETED AMOUNT AVAILABLE: N/A

ATTACHMENTS: N/A

CONCURRENCE WITH REQUESTED ACTION:

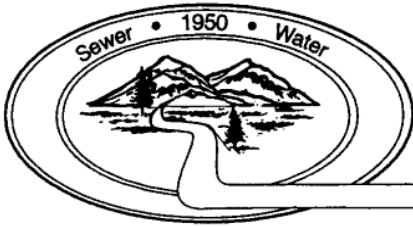
CATEGORY: Sewer/Water

GENERAL MANAGER: YES PH NO _____

CHIEF FINANCIAL OFFICER: YES AS NO _____

General Manager
Paul Hughes

Directors
Nick Haven
Shane Romsos
David Peterson
Kelly Sheehan
Nick Exline



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BOARD AGENDA ITEM 11b

TO: Board of Directors

FROM: Paul Hughes, General Manager
Andrea Salazar, Chief Financial Officer
Liz Kauffman, Human Resources Director

MEETING DATE: January 18, 2024

ITEM – PROJECT NAME: Closed Session – New Management Memorandum of Understanding Contract Negotiations

REQUESTED BOARD ACTION: Direct Staff

DISCUSSION: Pursuant to Government Code Section 54957.6(a)/Conference with Labor Negotiators re: Memorandum of Understanding with the Management Group. Present at this Closed Session will be Agency Negotiators: Paul Hughes/General Manager; Andrea Salazar, Chief Financial Officer; and Liz Kauffman, Human Resources Director.

SCHEDULE: N/A

COSTS: N/A

ACCOUNT NO: N/A

BUDGETED AMOUNT AVAILABLE: N/A

ATTACHMENTS: N/A

CONCURRENCE WITH REQUESTED ACTION:

CATEGORY: General

GENERAL MANAGER: YES PH NO _____

CHIEF FINANCIAL OFFICER: YES AS NO _____