



JORDAN VALLEY WATER CONSERVANCY DISTRICT

WELLHOUSE EYEWASH INSTALL

Project #4314

NOVEMBER 2023



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SHEET LIST TABLE	
SHEET NUMBER	SHEET TITLE
G1	COVER
G2	NOTES
S1	WILLOW CREEK WELL
S2	SIESTA WELL
S3	9TH & 85TH WELL
S4	ALBION WELL
D1	EYEWASH DETAIL
D2	EYEWASH DETAILS
E1	WILLOW CREEK WELL ELECTRICAL
E2	SIESTA WELL ELECTRICAL
E3	9TH & 85TH WELL ELECTRICAL
E4	ALBION WELL ELECTRICAL



REVISIONS			
REV.	DESCRIPTION	BY	DATE



**JORDAN VALLEY WATER
CONSERVANCY DISTRICT**
8215 SOUTH 1300 WEST
WEST JORDAN, UTAH 84088-0070
PHONE (801) 565-4300

LINE IS 1" INCH AT FULL SIZE (IF NOT 1" - SCALE ACCORDINGLY)	ORIGINAL SIZE B
SCALE: NA	
DESIGN:	CT
DRAWING:	TMP
PROJ. MGR:	CT
APPROVAL:	

WELL EYEWASHES	
COVER	

DATE 11/15/23
PROJECT NUMBER 4314
DRAWING NUMBER G1
SHEET NUMBER 1 OF 12

THE CONTRACTOR SHALL CAREFULLY READ ALL OF THE NOTES AND SPECIFICATION, THE CONTRACTOR SHALL ACCEPT THE TRUE MEANING AND BE RESPONSIBLE FOR COMPLYING WITH EACH.

GENERAL NOTES:

1. ALL IMPROVEMENTS SHALL BE CONSTRUCTED IN STRICT ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS INCLUDED AS PART OF THE CONTRACT DOCUMENTS.
2. IT IS INTENDED THAT THESE PLANS AND SPECIFICATIONS REQUIRE ALL NECESSARY AND PROPER LABOR AND MATERIALS NECESSARY FOR THE WORK CONTEMPLATED AND THAT THE WORK BE IN ACCORDANCE WITH THEIR TRUE INTENT AND PURPOSE. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY REGARDING ANY DISCREPANCIES OR AMBIGUITIES WHICH MAY EXIST IN THE PLANS OR SPECIFICATION. THE ENGINEER'S INTERPRETATION THEREOF SHALL BE CONCLUSIVE.
3. WHERE THE PLANS OR SPECIFICATION DESCRIBE PORTIONS OF THE WORK IN GENERAL TERMS BUT NOT IN COMPLETE DETAIL, IT IS UNDERSTOOD THAT ONLY THE BEST GENERAL PRACTICE IS TO PREVAIL AND THAT ONLY MATERIALS AND WORKMANSHIP OF THE HIGHEST QUALITY ARE TO BE USED.
4. THE CONTRACTOR SHALL BE SKILLED AND REGULARLY ENGAGED IN THE GENERAL CLASS AND TYPE OF WORK CALLED FOR IN THE PROJECT PLANS AND SPECIFICATIONS. THEREFORE, THE OWNER IS RELYING UPON THE EXPERIENCE AND EXPERTISE OF THE CONTRACTOR; IT SHALL BE EXPECTED THAT PRICES PROVIDED WITHIN THE CONTRACT DOCUMENTS SHALL INCLUDE ALL MATERIALS NECESSARY AND PROPER LABOR FOR THE WORK CONTEMPLATED AND THAT THE WORK BE COMPLETED IN ACCORDANCE WITH THE TRUE INTENT AND PURPOSE. THE CONTRACTOR SHALL BE COMPETENT, KNOWLEDGEABLE AND HAVE SPECIAL SKILLS IN THE NATURE, EXTENT AND INHERENT CONDITIONS OF THE WORK TO BE PERFORMED. CONTRACTOR SHALL ALSO ACKNOWLEDGE THAT THERE ARE CERTAIN PECULIAR AND INHERENT CONDITIONS EXISTENT IN THE CONSTRUCTION OF THE PARTICULAR FACILITIES, WHICH MAY CREATE, DURING THE CONSTRUCTION PROGRAM, UNUSUAL OR UNSAFE CONDITIONS HAZARDOUS TO PERSONS, PROPERTY AND THE ENVIRONMENT. CONTRACTOR SHALL BE AWARE OF SUCH PECULIAR RISKS AND HAVE THE SKILL AND EXPERIENCE TO FORESEE AND TO ADOPT PROTECTIVE MEASURES TO ADEQUATELY AND SAFELY PERFORM THE CONSTRUCTION WORK WITH RESPECT TO SUCH HAZARDS.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMITS AND LICENSES REQUIRED FOR THE CONSTRUCTION AND COMPLETION OF THE PROJECT, AND SHALL PERFORM ALL WORK IN ACCORDANCE WITH THE REQUIREMENTS AND CONDITIONS OF ALL PERMITS AND APPROVALS APPLICABLE TO THIS PROJECT. THE CONTRACTOR SHALL ENSURE THAT THE NECESSARY RIGHT-OF-WAYS, EASEMENTS, AND/OR PERMITS ARE SECURED PRIOR TO CONSTRUCTION.
6. THE CONTRACTOR SHALL, AT THE TIME OF BIDDING, AND, THROUGHOUT THE PERIOD OF THE CONTRACT, BE LICENSED IN THE STATE OF UTAH TO DO THE TYPE OF WORK CONTEMPLATED IN THE PLANS AND SPECIFICATIONS, AND SHALL BE BONDABLE FOR AN AMOUNT EQUAL TO OR GREATER THAN THE AMOUNT OF THE BID.
7. CONTRACTOR SHALL INSPECT THE SITE OF THE WORK PRIOR TO BIDDING TO SATISFY THEMSELVES BY PERSONAL EXAMINATION OR BY SUCH OTHER MEANS AS THEY MAY PREFER, OF THE LOCATION OF THE PROPOSED WORK, AND OF

- THE ACTUAL CONDITIONS OF AND AT THE SITE OF WORK. IF, DURING THE COURSE OF THEIR EXAMINATION, A BIDDER FINDS FACTS OR CONDITIONS WHICH APPEAR TO THEM TO BE IN CONFLICT WITH THE LETTER OR SPIRIT OF THE PROJECT PLANS AND SPECIFICATIONS, THEY SHALL CONTACT THE ENGINEER FOR ADDITIONAL INFORMATION AND EXPLANATION BEFORE SUBMITTING THEIR BID. SUBMISSION OF A BID BY THE CONTRACTOR SHALL CONSTITUTE ACKNOWLEDGMENT THAT, IF AWARDED THE CONTRACT, THEY HAVE REVIEWED AND ARE RELYING ON THEIR OWN EXAMINATION OF (1) THE SITE OF THE WORK, (2) ACCESS TO THE SITE, AND (3) ALL OTHER DATA AND MATTERS REQUISITE TO THE FULFILLMENT OF THE WORK AND ON THEIR OWN KNOWLEDGE OF EXISTING FACILITIES ON AND IN THE VICINITY OF THE SITE OF THE WORK TO BE CONSTRUCTED UNDER THIS CONTRACT. THE INFORMATION PROVIDED BY THE OWNER OR THE ENGINEER IS NOT INTENDED TO BE A SUBSTITUTE FOR, OR A SUPPLEMENT TO THE INDEPENDENT VERIFICATION BY THE CONTRACTOR TO THE EXTENT SUCH INDEPENDENT INVESTIGATION OF SITE CONDITIONS IS DEEMED NECESSARY OR DESIRABLE BY THE CONTRACTOR. CONTRACTOR SHALL ACKNOWLEDGE THAT THEY HAVE NOT RELIED SOLELY UPON OWNER OR ENGINEER FURNISHED INFORMATION REGARDING SITE CONDITIONS IN PREPARING AND SUBMITTING.
8. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ALL SANITARY FACILITIES AS REQUIRED FOR THE CONTRACTOR'S USE DURING CONSTRUCTION.
9. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY FIELD CHANGES MADE WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE OWNER AND ENGINEER.
10. THE CONTRACTOR AGREES THAT:

A. THEY WILL BE RESPONSIBLE TO CLEAN THE JOB SITE AT THE END OF EACH PHASE OF WORK.

B. THEY WILL BE RESPONSIBLE TO REMOVE AND DISPOSE OF ALL TRASH, SCRAP AND UNUSED MATERIAL AT THEIR OWN EXPENSE IN A TIMELY MANNER.

C. THEY WILL BE RESPONSIBLE TO MAINTAIN THE SITE IN A NEAT, SAFE AND ORDERLY MANNER.

D. THEY WILL BE RESPONSIBLE TO KEEP MATERIALS, EQUIPMENT, AND TRASH OUT OF THE WAY OF OTHER CONTRACTORS SO AS NOT TO DELAY THE JOB. FAILURE TO DO SO WILL RESULT IN A DEDUCTION FOR THE COST OF CLEAN UP FROM THE FINAL PAYMENT.

E. THEY SHALL BE RESPONSIBLE FOR THEIR OWN SAFETY, TRAFFIC CONTROL, PERMITS, RETESTING AND RE-INSPECTION AT THEIR OWN EXPENSE.
11. THE CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.
12. IF EXISTING IMPROVEMENTS NEED TO BE DISTURBED AND/OR REMOVED FOR THE PROPER PLACEMENT OF IMPROVEMENTS TO BE CONSTRUCTED BY THESE PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXISTING IMPROVEMENTS FROM

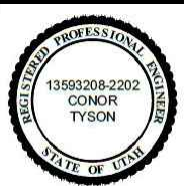
- DAMAGE. COST OF REPLACING OR REPAIRING EXISTING IMPROVEMENTS SHALL BE INCLUDED IN THE UNIT PRICE BID. THERE WILL BE NO EXTRA COST DUE TO THE CONTRACTOR FOR REPLACING OR REPAIRING EXISTING IMPROVEMENTS.
13. WHENEVER EXISTING FACILITIES ARE REMOVED, DAMAGED, BROKEN, OR CUT IN THE INSTALLATION OF THE WORK COVERED BY THESE PLANS OR SPECIFICATIONS, SAID FACILITIES SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE, AFTER PROPER BACKFILLING AND/OR CONSTRUCTION, WITH MATERIALS EQUAL TO OR BETTER THAN THE MATERIALS USED IN THE ORIGINAL EXISTING FACILITIES. THE FINISHED PRODUCT SHALL BE SUBJECT TO THE APPROVAL OF THE OWNER, THE ENGINEER, AND THE RESPECTIVE REGULATORY AGENCY.
14. THE CONTRACTOR SHALL MAINTAIN A NEATLY MARKED SET OF AS-BUILT RECORD DRAWINGS SHOWING THE FINAL LOCATION, DIMENSION, AND LAYOUT OF ALL STRUCTURES AND OTHER FACILITIES. AS-BUILT RECORD DRAWINGS SHALL REFLECT CHANGE ORDERS, ACCOMMODATIONS, MODIFICATIONS, AND ADJUSTMENTS TO ALL IMPROVEMENTS CONSTRUCTED. WHERE NECESSARY, SUPPLEMENTAL DRAWINGS SHALL BE PREPARED AND SUBMITTED BY THE CONTRACTOR. PRIOR TO ACCEPTANCE OF THE PROJECT, THE CONTRACTOR SHALL DELIVER TO THE ENGINEER, ONE SET OF NEATLY MARKED AS-BUILT RECORD DRAWINGS SHOWING THE INFORMATION REQUIRED ABOVE. AS-BUILT RECORD DRAWINGS SHALL BE REVIEWED AND THE COMPLETE AS-BUILT RECORD DRAWING SET SHALL BE CURRENT WITH ALL CHANGES AND DEVIATIONS REDLINED AS PRECONDITION TO THE FINAL PROGRESS PAYMENT APPROVAL AND/OR FINAL ACCEPTANCE.
15. WORK IN ANY EASEMENT AND/OR RIGHT-OF-WAY IS SUBJECT TO THE APPROVAL AND ACCEPTANCE OF THE REGULATORY AGENCY RESPONSIBLE FOR OPERATION AND/OR MAINTENANCE OF SAID EASEMENT AND/OR RIGHT-OF-WAY.
16. UPON SUBSTANTIAL COMPLETION OF WORK, THE CONTRACTOR SHALL BROOM SWEEP WORK SITE PRIOR TO CALLING FOR INSPECTION.
17. JVVCD STAFF WILL SERVE AS ENGINEER ON THIS PROJECT.
18. THE ENTIRE INSTALLATION SHALL BE IN ACCORDANCE WITH THE MOST RECENTLY ADOPTED REQUIREMENTS OF THE INTERNATIONAL MECHANICAL CODE, INTERNATIONAL PLUMBING CODE, INTERNATIONAL BUILDING CODE, NATIONAL ELECTRICAL CODE, AND ALL OTHER APPLICABLE CITY, COUNTY, STATE, AND NATIONAL CODES AND REGULATIONS IN EFFECT AT THE DATE OF THE BID.
19. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION.
20. ANY PART OF THIS INSTALLATION THAT FAILS, IS UNFIT, OR BECOMES DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
21. ALL EQUIPMENT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE EQUIPMENT MANUFACTURER'S RECOMMENDATIONS. PROVIDE ALL FITTINGS, TRANSITIONS, AND OTHER DEVICES/ACCESSORIES REQUIRED FOR A COMPLETE WORKABLE INSTALLATION.

SURFACE IMPROVEMENTS:

1. PAVEMENT, SIDEWALK AND SURFACE IMPROVEMENTS, AND LANDSCAPE DISTURBED DURING THIS WORK SHALL BE REPLACED AS PART OF THE WORK. ALL ASSOCIATED COSTS SHALL BE INCLUDED IN THE CONTRACTOR'S BID PRICE.

ELECTRICAL IMPROVEMENTS:

1. PRIOR TO SUBMITTING A BID THE ELECTRICAL CONTRACTOR SHALL INSPECT THE SITE AND INCLUDE IN THEIR BID PACKAGE ALL CHARGES DUE TO EXISTING CONDITIONS. SHOP DRAWINGS ARE REQUIRED.
2. THE CONTRACTOR SHALL INFORM THE ENGINEER IN WRITING OF ANY DISCREPANCIES FOUND BETWEEN THE INTENDED FUNCTION OF EQUIPMENT AND EQUIPMENT SPECIFIED IN THE CONTRACT DOCUMENTS A MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO ISSUANCE OF THE FINAL BID. FAILURE TO REPORT ANY DISCREPANCY (CATALOG NUMBERS, DISCONTINUED ITEMS, ETC.) DOES NOT RELIEVE THE CONTRACTOR FROM PROVIDING EQUIPMENT WHICH SHALL CONFORM TO FULFILL THE INTENT OF THE CONTRACT DOCUMENTS. NOR SHALL IT BE USED AS A CONDITION TO OBTAIN ADDITIONAL FUNDS FROM THE OWNER AFTER THE CONTRACT IS AWARDED. THE CONTRACTOR SHALL REQUEST ALL CLARIFICATIONS OF CONTRACT DOCUMENT REQUIREMENTS IN WRITING TO THE ENGINEER A MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO ISSUANCE OF THE FINAL ADDENDUM.
3. MINIMUM SIZE OF CONDUIT TO BE 1/2". ALUMINUM CONDUITS SHALL NOT BE USED.
4. RUN A NEUTRAL CONDUCTOR FOR EACH PHASE CONDUCTOR (EACH CIRCUIT IN A CONDUIT). NOT MORE THAN THREE CIRCUITS IN A CONDUIT. THREE PHASE CONDUCTORS, THREE NEUTRAL CONDUCTORS (ONE FOR EACH PHASE) AND ONE GROUND CONDUCTOR FOR A TOTAL OF SEVEN CONDUCTORS.
5. ALL NEW EXPOSED CONDUIT SHALL RUN AGAINST THE WALLS OR CEILINGS. DO NOT PENDANT MOUNT ANY CONDUIT FROM THE CEILINGS.
6. ALL ELECTRICAL WIRING SHALL BE STRANDED AND IN CONDUIT (ROMEX AND MC CABLE NOT PERMITTED).
7. ALL CONDUITS SHALL BE GALVANIZED RIGID STEEL OR LIQUID TIGHT FLEXIBLE METAL CONDUIT, UNLESS OTHERWISE NOTED.
8. ALL NEW WORK SHALL MEET THE CURRENT ADOPTED NATIONAL ELECTRICAL CODE.
9. CONTRACT DOCUMENTS SHALL TAKE PRECEDENCE OVER SHOP DRAWINGS UNLESS SPECIFICALLY NOTED OTHERWISE.
10. ALL CONDUCTORS SHALL BE STRANDED COPPER. CRIMP LUGS REQUIRED.
11. ALL WIRING DEVICES SHALL BE BACK WIRED ONLY.
12. STRANDED CONDUCTORS SHALL NOT BE WRAPPED AROUND SCREWS.
13. AN EXISTING MULTI-CONDUCTOR CABLE WITH THREE SPARE CONDUCTORS IS INSTALLED BETWEEN THE CHLORINE SKID AND THE RTU ENCLOSURE. USE ONE SPARE CONDUCTOR IN THE CABLE FOR THE EYEWASH WATER HEATER FLOW SWITCH. INSTALL A NEW 1/2" CONDUIT AND TWO #18 AWG CONDUCTORS FROM THE CHLORINE SKID TO THE FLOW SWITCH. USE THE EXISTING +24 VDC SOURCE (BLACK WIRE) FROM THE PLC FOR THE NEW FLOW SWITCH. SPLICE NEW CONDUCTORS TO EXISTING CONDUCTORS IN THE CHLORINATOR PANEL.



REVISIONS			
REV.	DESCRIPTION	BY	DATE



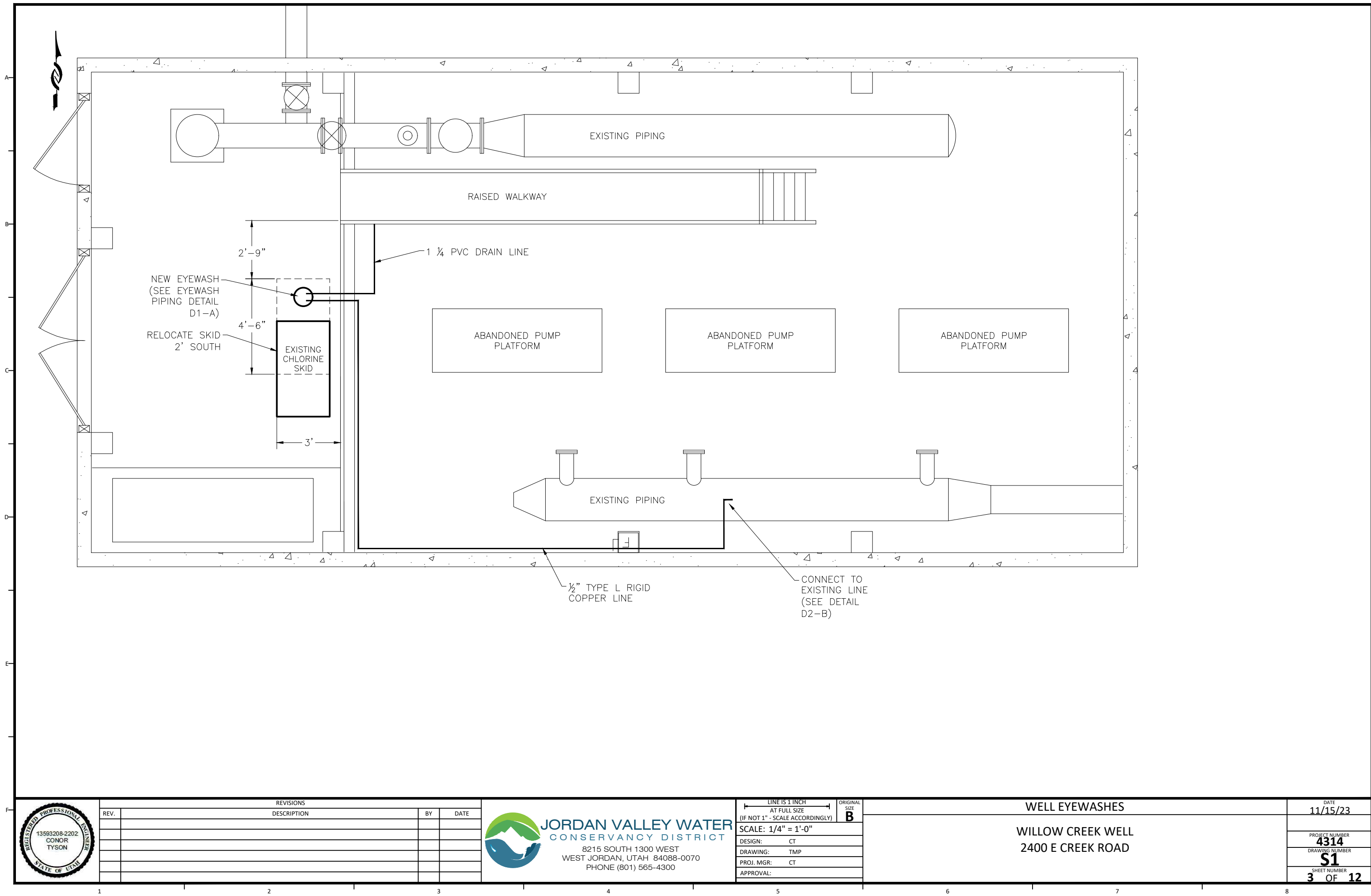
JORDAN VALLEY WATER
CONSERVANCY DISTRICT
8215 SOUTH 1300 WEST
WEST JORDAN, UTAH 84088-0070
PHONE (801) 565-4300

LINE IS 1/8" AT FULL SIZE (IF NOT 1" - SCALE ACCORDINGLY)	ORIGINAL SIZE B
SCALE: NA	
DESIGN:	CT
DRAWING:	TMP
PROJ. MGR:	CT
APPROVAL:	

WELL EYEWASHES

GENERAL NOTES

DATE	11/15/23
PROJECT NUMBER	4314
DRAWING NUMBER	G2
SHEET NUMBER	2 OF 12



REVISIONS			
REV.	DESCRIPTION	BY	DATE

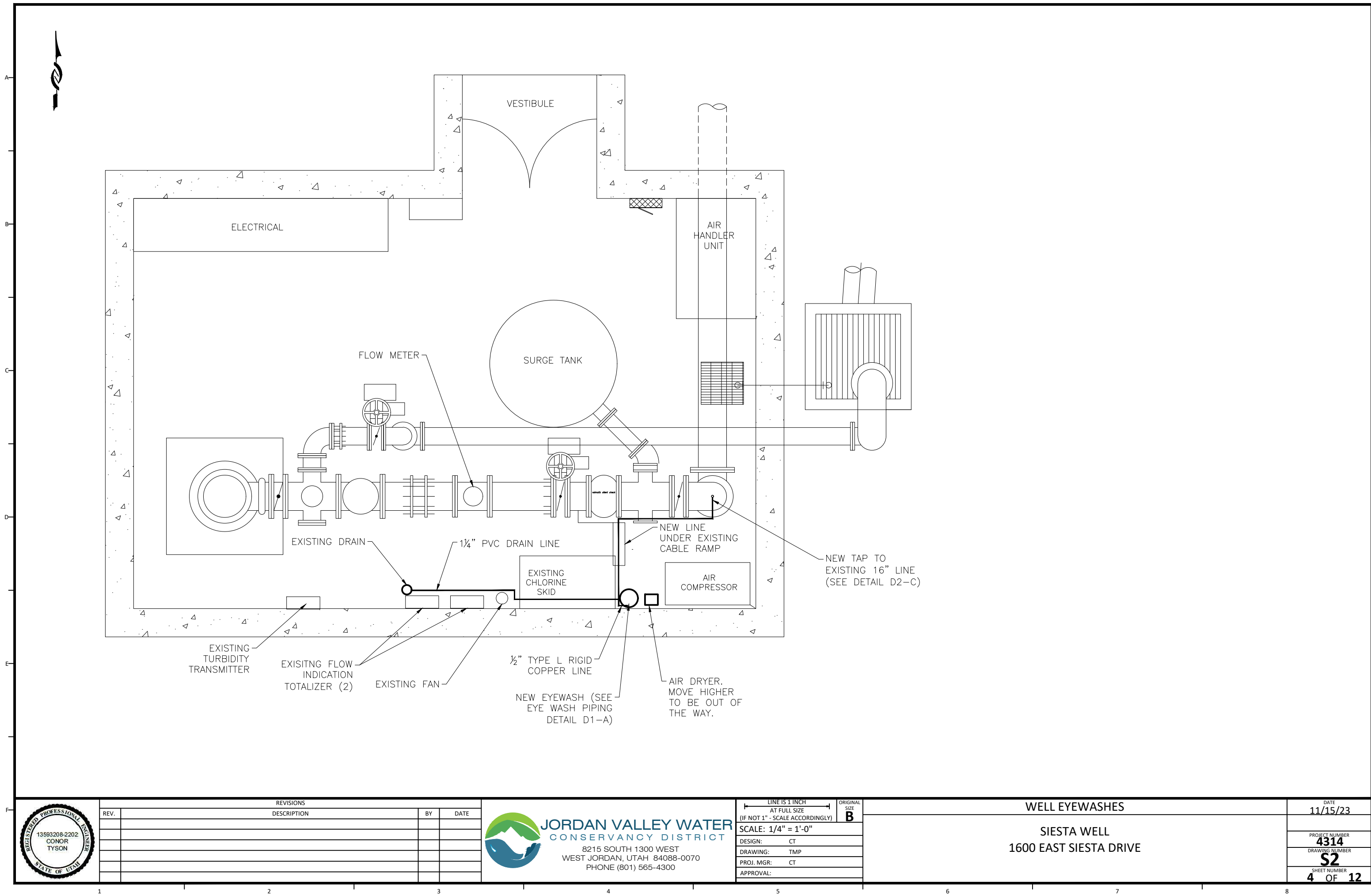


JORDAN VALLEY WATER
CONSERVANCY DISTRICT
8215 SOUTH 1300 WEST
WEST JORDAN, UTAH 84088-0070
PHONE (801) 565-4300

LINE IS 1" INCH AT FULL SIZE (IF NOT 1" - SCALE ACCORDINGLY)	ORIGINAL SIZE B
SCALE: 1/4" = 1'-0"	
DESIGN:	CT
DRAWING:	TMP
PROJ. MGR:	CT
APPROVAL:	

WELL EYEWASHES	
WILLOW CREEK WELL 2400 E CREEK ROAD	

DATE 11/15/23
PROJECT NUMBER 4314
DRAWING NUMBER S1
SHEET NUMBER 3 OF 12



REVISIONS			
REV.	DESCRIPTION	BY	DATE



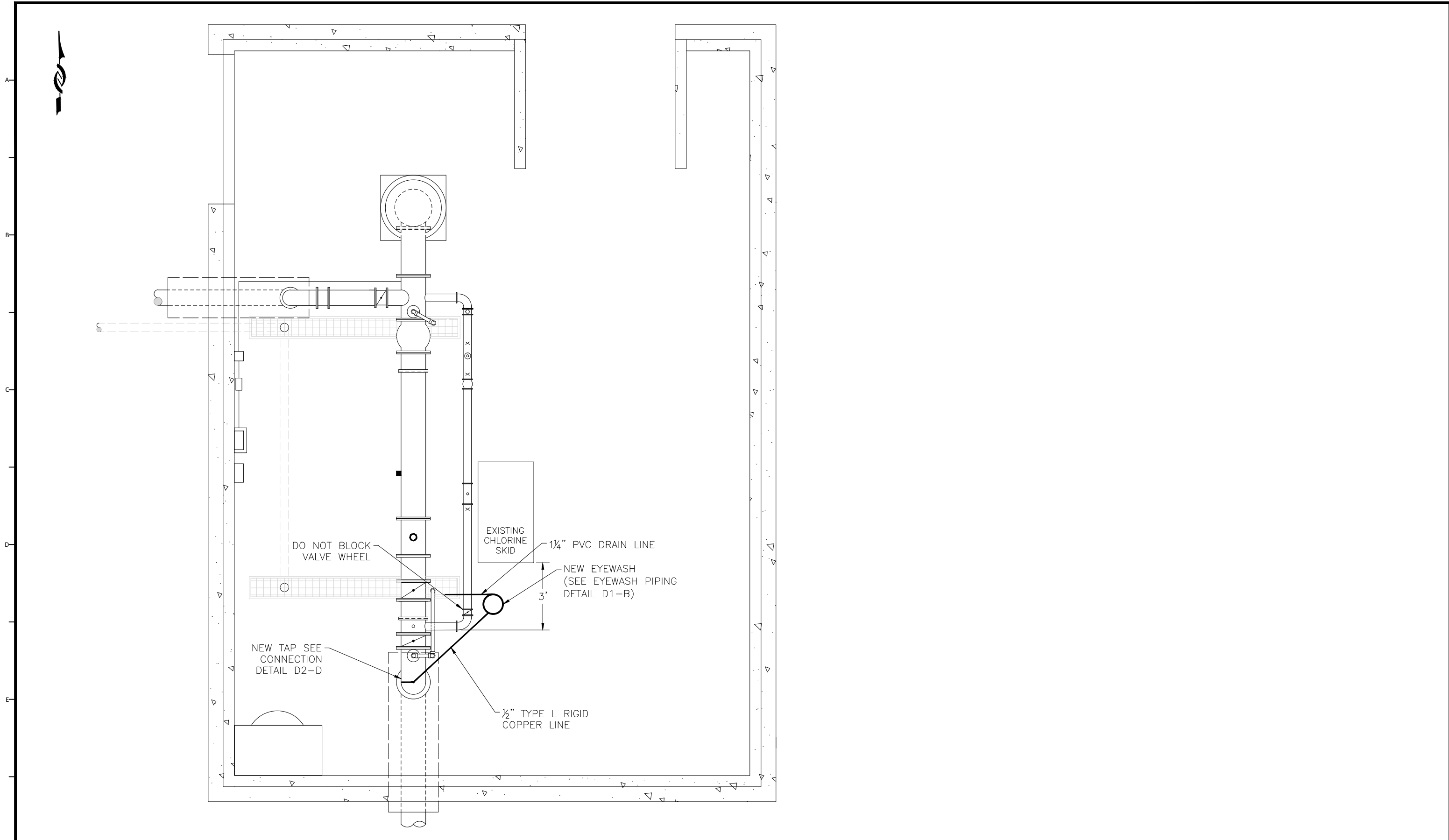
JORDAN VALLEY WATER
CONSERVANCY DISTRICT

8215 SOUTH 1300 WEST
WEST JORDAN, UTAH 84088-0070
PHONE (801) 565-4300

LINE IS 1/4" INCH AT FULL SIZE (IF NOT 1" - SCALE ACCORDINGLY)	ORIGINAL SIZE B
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DESIGN:	CT
DRAWING:	TMP
PROJ. MGR:	CT
APPROVAL:	

WELL EYEWASHES	
SIESTA WELL 1600 EAST SIESTA DRIVE	

DATE 11/15/23
PROJECT NUMBER 4314
DRAWING NUMBER S2
SHEET NUMBER 4 OF 12



REVISIONS			
REV.	DESCRIPTION	BY	DATE



JORDAN VALLEY WATER
CONSERVANCY DISTRICT

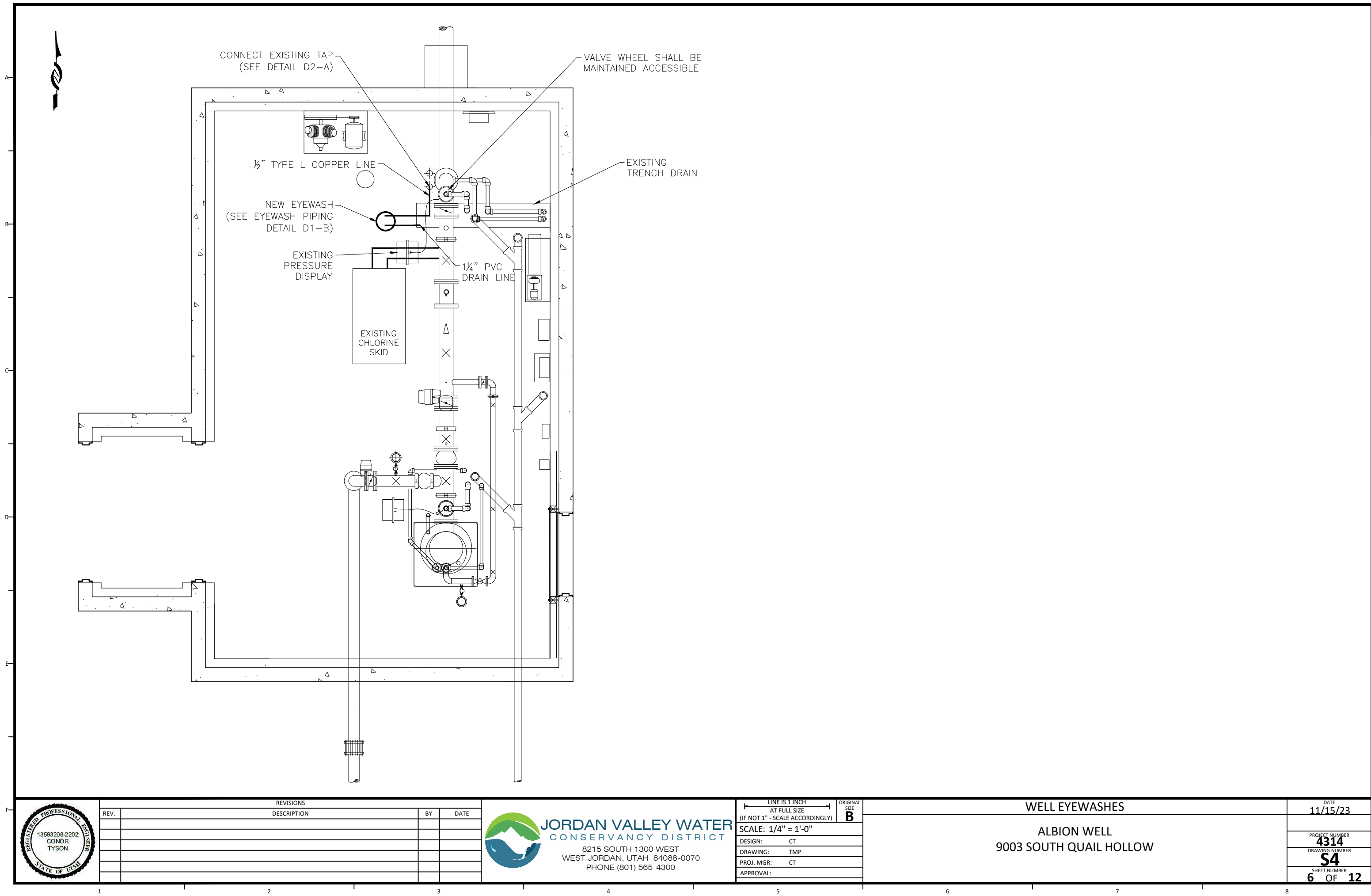
8215 SOUTH 1300 WEST
WEST JORDAN, UTAH 84088-0070
PHONE (801) 565-4300

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PROJ. MGR:	CT
APPROVAL:	

WELL EYEWASHES

9TH & 85TH WELL
8515 SOUTH 960 EAST

DATE 11/15/23
PROJECT NUMBER 4314
DRAWING NUMBER S3
SHEET NUMBER 5 OF 12



REVISIONS			
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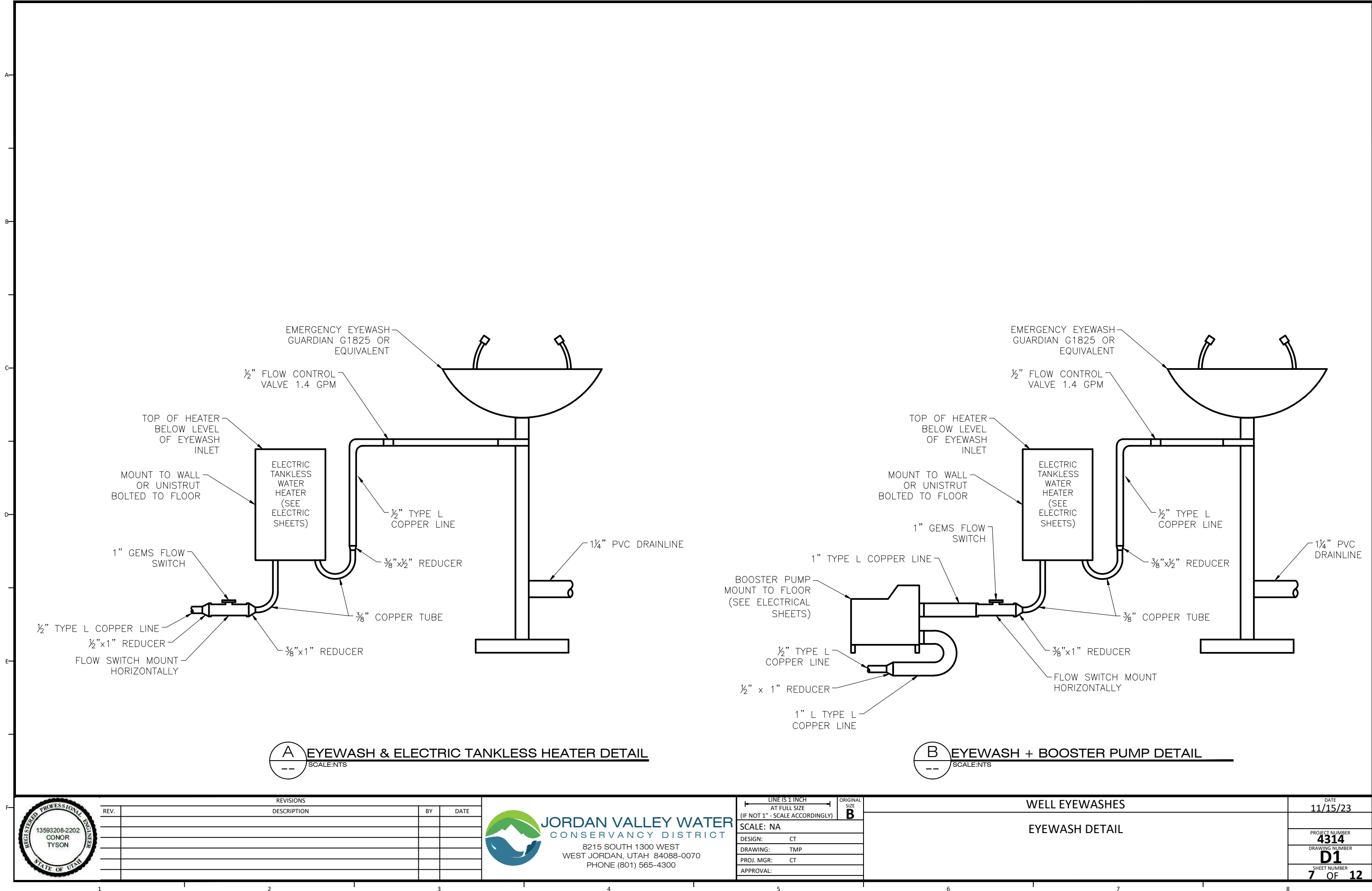
JORDAN VALLEY WATER
CONSERVANCY DISTRICT

8215 SOUTH 1300 WEST
WEST JORDAN, UTAH 84088-0070
PHONE (801) 565-4300

LINE IS 1" INCH AT FULL SIZE (IF NOT 1" - SCALE ACCORDINGLY)		ORIGINAL SIZE B
SCALE: 1/4" = 1'-0"		
DESIGN:	CT	
DRAWING:	TMP	
PROJ. MGR:	CT	
APPROVAL:		

WELL EYEWASHES	
ALBION WELL 9003 SOUTH QUAIL HOLLOW	

DATE 11/15/23
PROJECT NUMBER 4314
DRAWING NUMBER S4
SHEET NUMBER 6 OF 12



A EYEWASH & ELECTRIC TANKLESS HEATER DETAIL
-- SCALE:NTS

B EYEWASH + BOOSTER PUMP DETAIL
-- SCALE:NTS



REVISIONS			
REV.	DESCRIPTION	BY	DATE



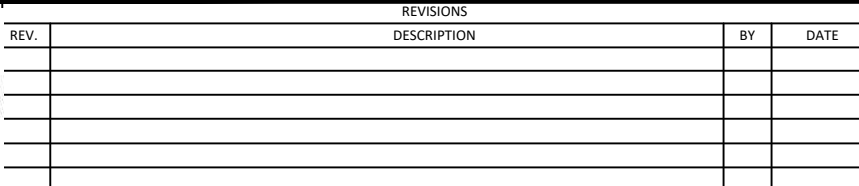
JORDAN VALLEY WATER
CONSERVANCY DISTRICT

8215 SOUTH 1300 WEST
WEST JORDAN, UTAH 84088-0070
PHONE (801) 565-4300

LINE IS 1" INCH AT FULL SIZE (IF NOT 1" - SCALE ACCORDINGLY)	ORIGINAL SIZE B
SCALE: NA	
DESIGN:	CT
DRAWING:	TMP
PROJ. MGR:	CT
APPROVAL:	

WELL EYEWASHES	
EYEWASH DETAIL	

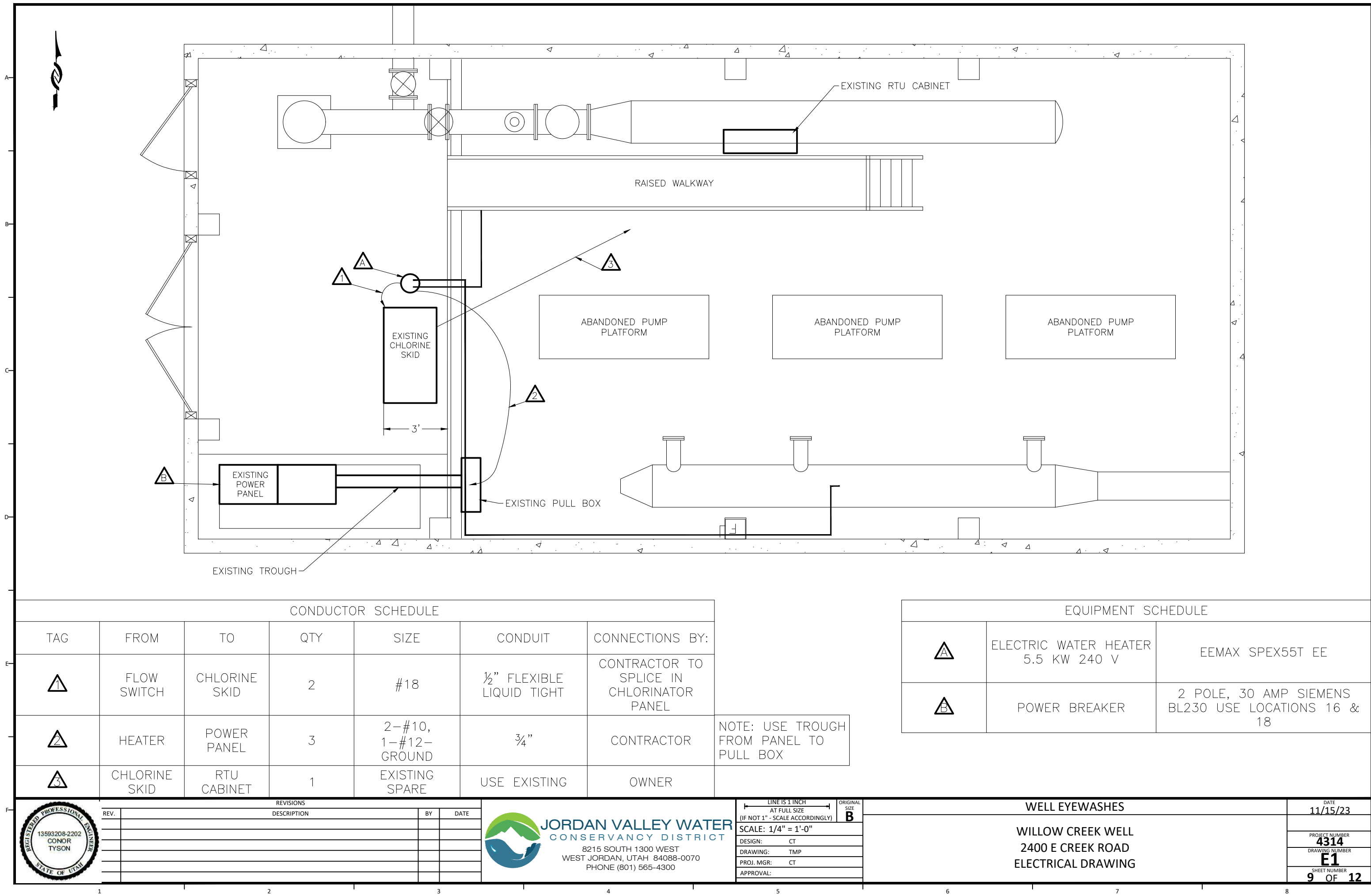
DATE	11/15/23
PROJECT NUMBER	4314
DRAWING NUMBER	D1
SHEET NUMBER	7 OF 12



APPROVAL:

EYEWASH DETAILS

D2
SHEET NUMBER
OF 12



CONDUCTOR SCHEDULE						
TAG	FROM	TO	QTY	SIZE	CONDUIT	CONNECTIONS BY:
1	FLOW SWITCH	CHLORINE SKID	2	#18	1/2" FLEXIBLE LIQUID TIGHT	CONTRACTOR TO SPLICE IN CHLORINATOR PANEL
2	HEATER	POWER PANEL	3	2-#10, 1-#12-GROUND	3/4"	CONTRACTOR
3	CHLORINE SKID	RTU CABINET	1	EXISTING SPARE	USE EXISTING	OWNER

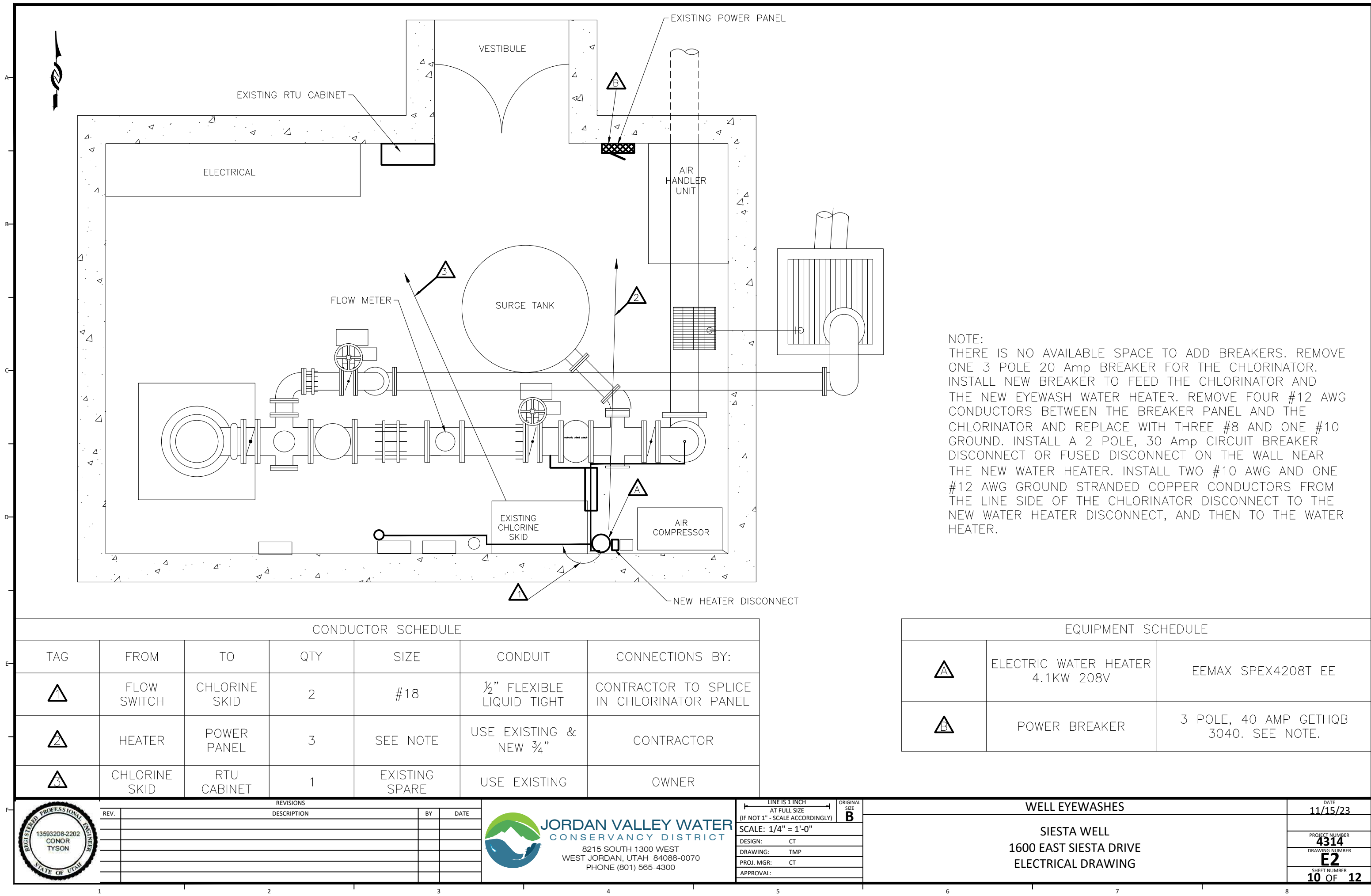
EQUIPMENT SCHEDULE		
A	ELECTRIC WATER HEATER 5.5 KW 240 V	EEMAX SPEX55T EE
B	POWER BREAKER	2 POLE, 30 AMP SIEMENS BL230 USE LOCATIONS 16 & 18

REVISIONS			
REV.	DESCRIPTION	BY	DATE

JORDAN VALLEY WATER
CONSERVANCY DISTRICT
8215 SOUTH 1300 WEST
WEST JORDAN, UTAH 84088-0070
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LINE IS 1/4" INCH AT FULL SIZE (IF NOT 1" - SCALE ACCORDINGLY)	ORIGINAL SIZE B
SCALE: 1/4" = 1'-0"	
DESIGN:	CT
DRAWING:	TMP
PROJ. MGR:	CT
APPROVAL:	

WELL EYEWASHES		DATE 11/15/23
WILLOW CREEK WELL 2400 E CREEK ROAD ELECTRICAL DRAWING		PROJECT NUMBER 4314
		DRAWING NUMBER E1
		SHEET NUMBER 9 OF 12



NOTE:
THERE IS NO AVAILABLE SPACE TO ADD BREAKERS. REMOVE ONE 3 POLE 20 Amp BREAKER FOR THE CHLORINATOR. INSTALL NEW BREAKER TO FEED THE CHLORINATOR AND THE NEW EYEWASH WATER HEATER. REMOVE FOUR #12 AWG CONDUCTORS BETWEEN THE BREAKER PANEL AND THE CHLORINATOR AND REPLACE WITH THREE #8 AND ONE #10 GROUND. INSTALL A 2 POLE, 30 Amp CIRCUIT BREAKER DISCONNECT OR FUSED DISCONNECT ON THE WALL NEAR THE NEW WATER HEATER. INSTALL TWO #10 AWG AND ONE #12 AWG GROUND STRANDED COPPER CONDUCTORS FROM THE LINE SIDE OF THE CHLORINATOR DISCONNECT TO THE NEW WATER HEATER DISCONNECT, AND THEN TO THE WATER HEATER.

CONDUCTOR SCHEDULE						
TAG	FROM	TO	QTY	SIZE	CONDUIT	CONNECTIONS BY:
1	FLOW SWITCH	CHLORINE SKID	2	#18	½" FLEXIBLE LIQUID TIGHT	CONTRACTOR TO SPLICE IN CHLORINATOR PANEL
2	HEATER	POWER PANEL	3	SEE NOTE	USE EXISTING & NEW ¾"	CONTRACTOR
3	CHLORINE SKID	RTU CABINET	1	EXISTING SPARE	USE EXISTING	OWNER

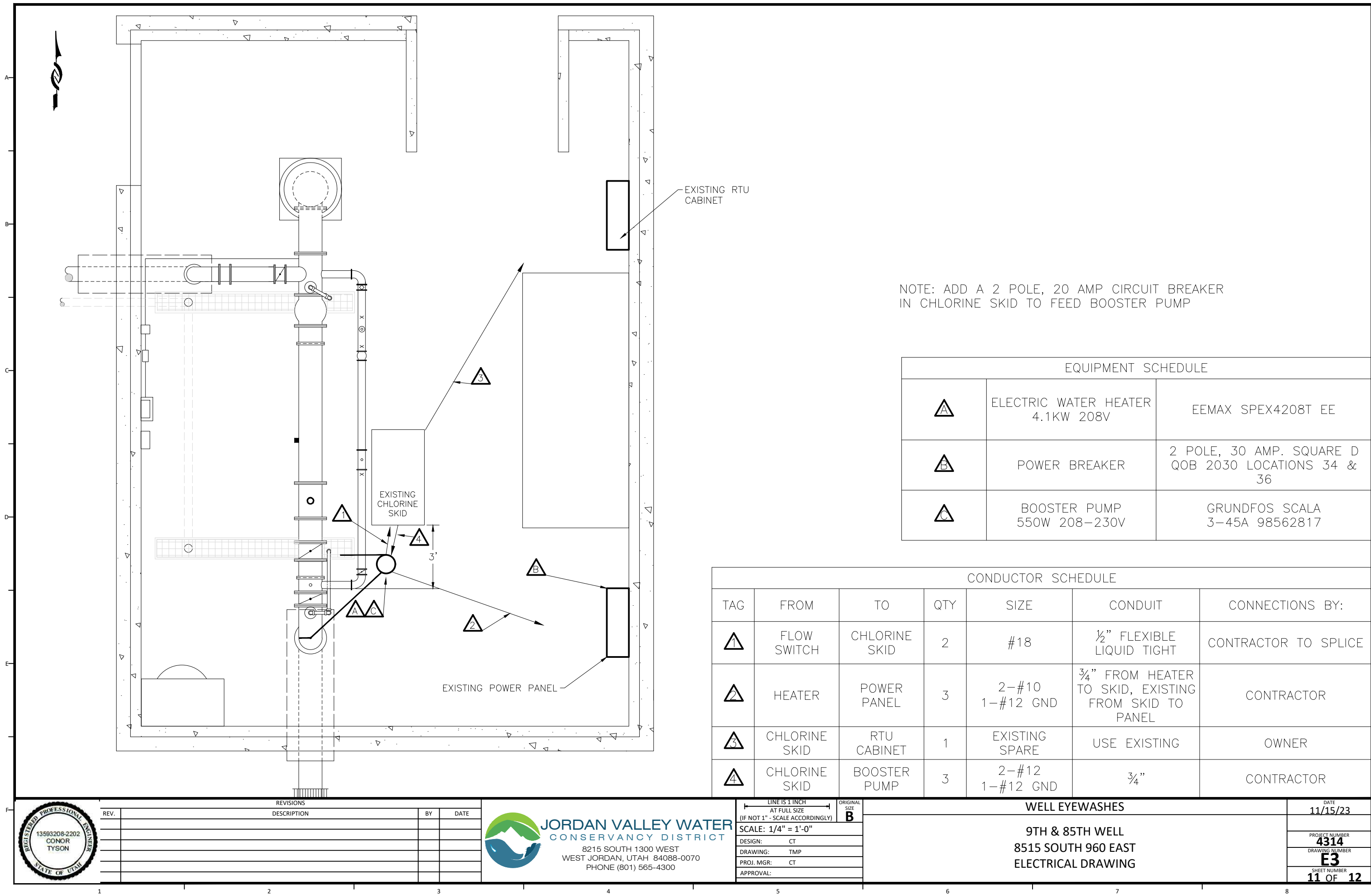
EQUIPMENT SCHEDULE		
A	ELECTRIC WATER HEATER 4.1KW 208V	EEMAX SPEX4208T EE
B	POWER BREAKER	3 POLE, 40 AMP GETHQB 3040. SEE NOTE.

REVISIONS			
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JORDAN VALLEY WATER
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LINE IS 1/4" INCH AT FULL SIZE (IF NOT 1" - SCALE ACCORDINGLY)	ORIGINAL SIZE B
SCALE: 1/4" = 1'-0"	
DESIGN:	CT
DRAWING:	TMP
PROJ. MGR:	CT
APPROVAL:	

WELL EYEWASHES		DATE 11/15/23
SIESTA WELL 1600 EAST SIESTA DRIVE ELECTRICAL DRAWING		PROJECT NUMBER 4314
		DRAWING NUMBER E2
		SHEET NUMBER 10 OF 12



NOTE: ADD A 2 POLE, 20 AMP CIRCUIT BREAKER
IN CHLORINE SKID TO FEED BOOSTER PUMP

EQUIPMENT SCHEDULE		
A	ELECTRIC WATER HEATER 4.1KW 208V	EEMAX SPEX4208T EE
B	POWER BREAKER	2 POLE, 30 AMP. SQUARE D QOB 2030 LOCATIONS 34 & 36
C	BOOSTER PUMP 550W 208-230V	GRUNDFOS SCALA 3-45A 98562817

CONDUCTOR SCHEDULE						
TAG	FROM	TO	QTY	SIZE	CONDUIT	CONNECTIONS BY:
1	FLOW SWITCH	CHLORINE SKID	2	#18	½" FLEXIBLE LIQUID TIGHT	CONTRACTOR TO SPLICE
2	HEATER	POWER PANEL	3	2-#10 1-#12 GND	¾" FROM HEATER TO SKID, EXISTING FROM SKID TO PANEL	CONTRACTOR
3	CHLORINE SKID	RTU CABINET	1	EXISTING SPARE	USE EXISTING	OWNER
4	CHLORINE SKID	BOOSTER PUMP	3	2-#12 1-#12 GND	¾"	CONTRACTOR



REV.	DESCRIPTION	BY	DATE



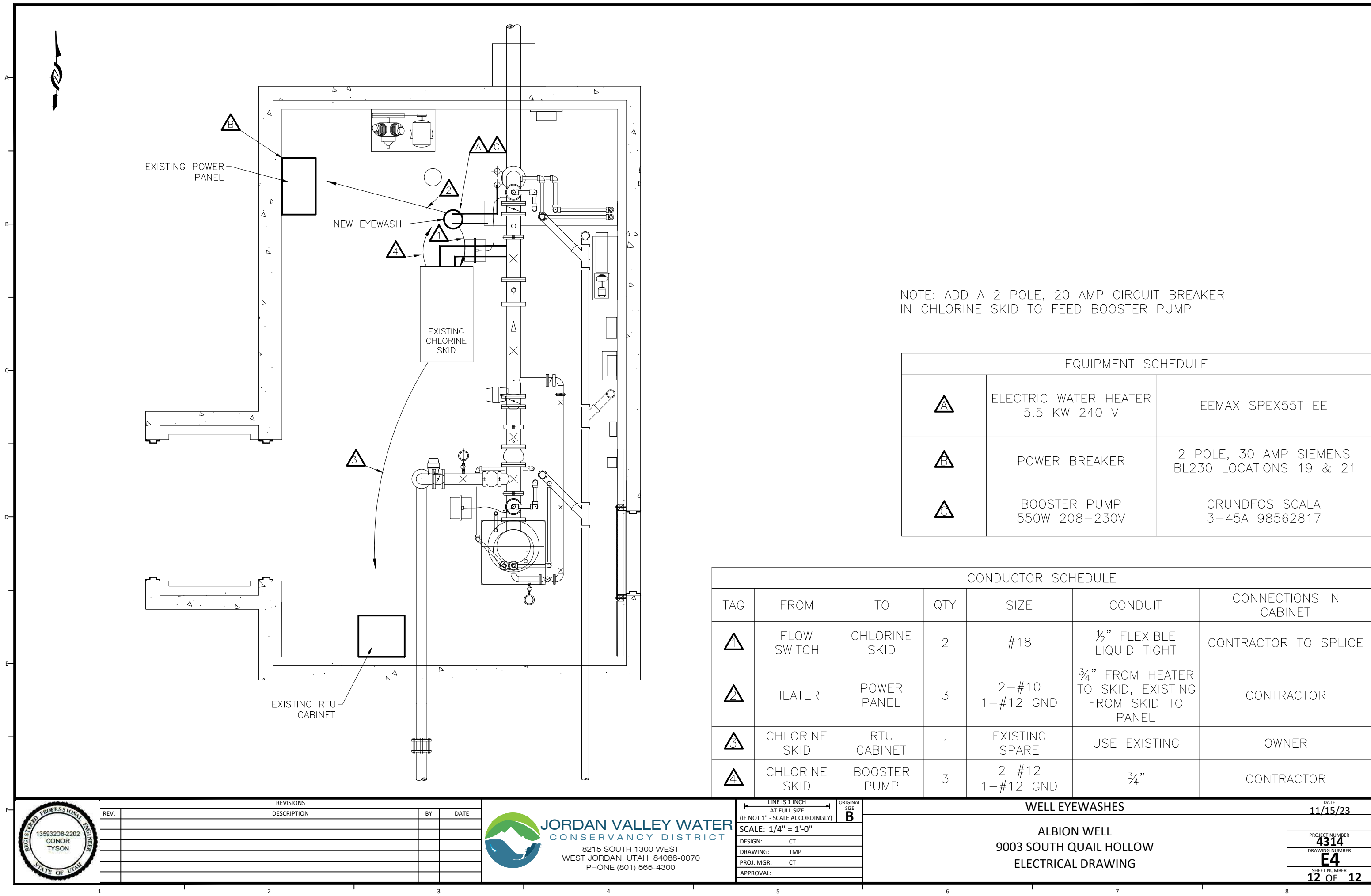
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PHONE (801) 565-4300

LINE IS 1/4" = 1'-0"	ORIGINAL SIZE B
DESIGN: CT	
DRAWING: TMP	
PROJ. MGR: CT	
APPROVAL:	

WELL EYEWASHES

9TH & 85TH WELL
8515 SOUTH 960 EAST
ELECTRICAL DRAWING

DATE 11/15/23
PROJECT NUMBER 4314
DRAWING NUMBER E3
SHEET NUMBER 11 OF 12



NOTE: ADD A 2 POLE, 20 AMP CIRCUIT BREAKER
IN CHLORINE SKID TO FEED BOOSTER PUMP

EQUIPMENT SCHEDULE		
A	ELECTRIC WATER HEATER 5.5 KW 240 V	EEMAX SPEX55T EE
B	POWER BREAKER	2 POLE, 30 AMP SIEMENS BL230 LOCATIONS 19 & 21
C	BOOSTER PUMP 550W 208-230V	GRUNDFOS SCALA 3-45A 98562817

CONDUCTOR SCHEDULE						
TAG	FROM	TO	QTY	SIZE	CONDUIT	CONNECTIONS IN CABINET
1	FLOW SWITCH	CHLORINE SKID	2	#18	½" FLEXIBLE LIQUID TIGHT	CONTRACTOR TO SPLICE
2	HEATER	POWER PANEL	3	2-#10 1-#12 GND	¾" FROM HEATER TO SKID, EXISTING FROM SKID TO PANEL	CONTRACTOR
3	CHLORINE SKID	RTU CABINET	1	EXISTING SPARE	USE EXISTING	OWNER
4	CHLORINE SKID	BOOSTER PUMP	3	2-#12 1-#12 GND	¾"	CONTRACTOR



REVISIONS			
REV.	DESCRIPTION	BY	DATE



JORDAN VALLEY WATER
CONSERVANCY DISTRICT
8215 SOUTH 1300 WEST
WEST JORDAN, UTAH 84088-0070
PHONE (801) 565-4300

LINE IS 1/8" INCH AT FULL SIZE (IF NOT 1" - SCALE ACCORDINGLY)	ORIGINAL SIZE B
SCALE: 1/4" = 1'-0"	
DESIGN:	CT
DRAWING:	TMP
PROJ. MGR:	CT
APPROVAL:	

WELL EYEWASHES

ALBION WELL
9003 SOUTH QUAIL HOLLOW
ELECTRICAL DRAWING

DATE 11/15/23
PROJECT NUMBER 4314
DRAWING NUMBER E4
SHEET NUMBER 12 OF 12

I:\WELL, DEEP\4314 WELL EYEWASHES\ENGINEERING\DRAWINGS\WELLHOUSE EYEWASH STATIONS.DWG 0.91M