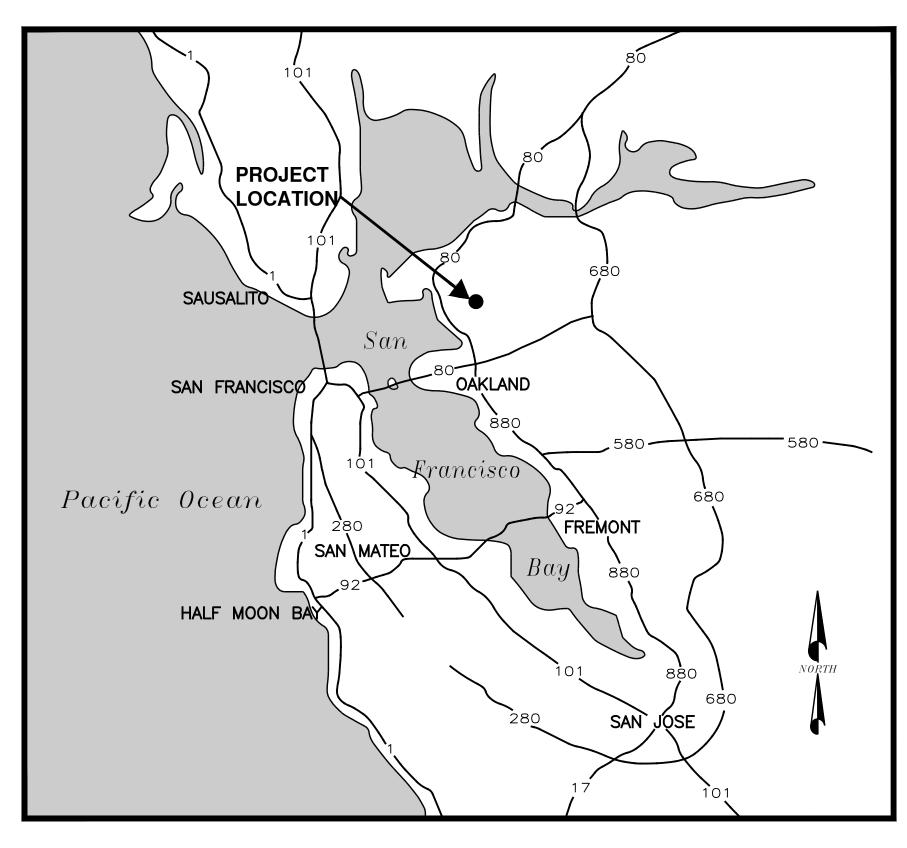
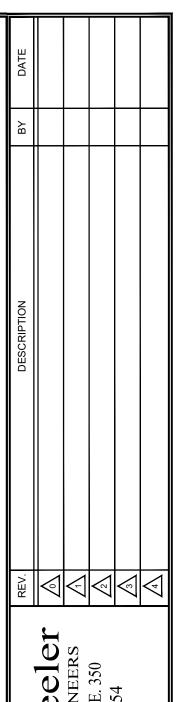
STEGE SANITARY DISTRICT CANON SEWER PUMP STATION IMPROVEMENTS PROJECT





VICINITY MAP

SHEET NO.	DWG NO.	TITLE
1	G1	TITLE SHEET
2	G2	NOTES, LEGEND AND ABBREVIATIONS
3	D1	DEMOLITION SITE PLAN
4	D2	DEMOLITION SECTION
5	C1	IMPROVEMENT SITE PLAN - BASE BID
6	C2	IMPROVEMENT SITE PLAN BID ALTERNATE
7	C3	PUMP STATION PLAN AND SECTION
8	C4	CIVIL DETAILS
9	C5	CIVIL DETAILS
10	E1	SYMBOLS, ABBREVIATIONS AND GENERAL NOTES
11	E2	SITE PLAN & ONE-LINE DIAGRAM - REMOVAL WORK
12	E3	SITE PLAN & ONE-LINE DIAGRAM - NEW WORK
13	E4	PUMP NO. 1 CONTROL SCHEMATIC DIAGRAM
14	E5	MISC. CONTROL SCHEMATIC DIAGRAMS - SHEET 1
15	E6	MISC. CONTROL SCHEMATIC DIAGRAMS - SHEET 2
16	E7	CONTROL PANEL ELEVATION
17	E8	ELECTRICAL DETAILS - SHEET 1
18	E9	CONDUIT AND CIRCUIT SCHEDULE
19	E10	SCADA RTU INTERCONNECTION DIAGRAM
20	PG&E	OH/UG CONSTRUCTION DRAWING



haaf & Wheeler NSULTING CIVIL ENGINEERS 599 OLD IRONSIDES DR., STE. 350 SANTA CLARA, CA 95054 (408) 246-4848



NON SEWER PUMP STATION IMPROVEMENTS
PREPARED AT THE REQUEST OF STEGE SANITARY DISTRICT



DRAWN BY: BFC

DATE: 10/25/2023

G-1

GENERAL

1. STANDARD PROVISIONS AND STANDARD SPECIFICATIONS:
ALL WORK SHALL BE IN ACCORDANCE WITH THE CONTRACT SPECIFICATIONS, 2006 STANDARD PROVISIONS OF THE STEGE SANITARY DISTRICT, AND THE LATEST EDITION OF THE STATE OF

PROVISIONS OF THE STEGE SANITARY DISTRICT, AND THE LATEST EDITION OF THE STATE OF CALIFORNIA STANDARD SPECIFICATIONS AND STANDARD PLANS UNLESS OTHERWISE SPECIFIED. ALL WORK ON SANITARY SEWERS SHALL CONFORM TO THE REQUIREMENTS OF THE STEGE SANITARY DISTRICT.

2. MAINTENANCE OF SITE DOCUMENTS:

THE CONTRACTOR SHALL KEEP AND MAKE AVAILABLE A COPY OF THE APPROVED PLANS, SPECIFICATIONS, AND DISTRICT STANDARD PROVISIONS AT THE JOB SITE AT ALL TIMES WHEN WORK IS IN PROGRESS.

CONTROL OF WORK

. CHANGES TO PLANS:

THE FOLLOWING APPLIES TO PLANS APPROVED BY THE DISTRICT. MAJOR CHANGES IN THE APPROVED PLANS MUST BE APPROVED BY THE DISTRICT. EACH CHANGE IS TO BE DELINEATED BY MARKING THE CHANGED AREA OF THE PLAN WITH A NUMBERED TRIANGLE OR OTHER ACCEPTABLE METHOD. THE ENGINEER MUST DATE AND INITIAL EACH REVISION IN THE REVISION BLOCK. THE ENGINEER SHALL SUBMIT A COVER LETTER EXPLAINING THE REQUESTED CHANGE AND TWO COPIES OF THE REVISED SHEETS. AFTER THE DISTRICT APPROVES AND INITIALS THE REVISION BLOCK THREE BLACK LINE COPIES OF THE SIGNED REVISED SHEETS TO THE DISTRICT. FOR MINOR CHANGES, THE CONTRACTOR MAY "RED LINE" THE PROPOSED MINOR CHANGE ON THE PLAN AND SUBMIT THEM TO THE DISTRICT FOR REVIEW AND APPROVAL. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE CHANGES WITH THE ENGINEER WHO PREPARED THE PLANS AND SHALL KEEP APPROVED CHANGES AT THE JOB SITE WHEN WORK IS IN PROGRESS. ALL CHANGES SHALL BE SHOWN ON THE AS-BUILT PLANS SUBMITTED TO THE DISTRICT AT THE END OF THE JOB. THE DISTRICT SHALL HAVE THE SOLE DISCRETION TO DETERMINE WHAT IS A MINOR CHANGE. RELOCATION OF A MANHOLE FROM THE SIDEWALK TO A LANDSCAPED AREA OR INTO THE STREET IS CONSIDERED A MINOR CHANGE THAT REQUIRES APPROVAL FROM THE PUBLIC WORKS OPERATIONS SECTION.

THE FOLLOWING APPLIES TO PLANS APPROVED BY THE DISTRICT. THE CONTRACTOR SHALL KEEP COMPLETE AND ACCURATE AS-BUILT DRAWINGS OF ALL NEW WORK, UTILITY POTHOLE DATA AND EXISTING CONDITIONS THAT HAVE CHANGED OR ARE DIFFERENT THAN SHOWN ON THE ORIGINALLY APPROVED PLANS. UPON COMPLETION OF THE WORK, THE CONTRACTOR'S RECORD DRAWINGS SHALL BE SUBMITTED TO THE DISTRICT FOR REVIEW AND COMMENT. THE ENGINEER SHALL MAKE THE NECESSARY REVISIONS TO THE ORIGINAL DRAWINGS TO SHOW ALL FIELD CHANGES. THE ENGINEER SHALL VERIFY FINAL GRADING AND SHALL SIGN THE GRADING CERTIFICATE, IF APPLICABLE, WHEN SATISFIED THAT THE GRADING IS PER APPROVED PLANS. EACH SHEET OF THE PLANS SHALL BE STAMPED "RECORD DRAWING" AND SIGNED BY THE ENGINEER. THE REVISED ORIGINALS SHALL BE SUBMITTED TO THE DISTRICT FOR REVIEW AND APPROVAL.

5. CONSTRUCTION SAFETY ORDERS FOR EXCAVATIONS:
THE CONTRACTOR SHALL CONFORM TO THE RULES AND REGULATIONS OF THE CONSTRUCTION
SAFETY ORDERS OF THE STATE DIVISION OF OCCUPATIONAL SAFETY AND HEALTH PERTAINING TO
EXCAVATION AND TRENCHES. FOR EXCAVATIONS, THE CONTRACTOR SHALL SUBMIT TO THE
DISTRICT A DETAILED PLAN SHOWING THE DESIGN OF SHORING, BRACING, SLOPING AND OTHER
PROVISIONS TO BE MADE FOR WORKER PROTECTION. THE PLAN SHALL INCLUDE THE CONTRACTOR
PERMIT FOR EXCAVATION.

NORMAL WORKING HOURS:
NORMAL WORKING HOURS IS DEFINED AS THE TIME FROM 7:30 A.M. TO 4:00 P.M., MONDAY THROUGH FRIDAY, EXCLUDING LEGAL HOLIDAYS. THE CONTRACTOR SHALL NOT WORK ON THE PROJECT OUTSIDE THE NORMAL WORKING HOURS, UNLESS PRIOR APPROVAL IS OBTAINED FROM THE DISTRICT OR WHEN SPECIFICALLY REQUIRED BY THE DISTRICT. WORK OUTSIDE NORMAL WORKING HOURS WILL ONLY BE ALLOWED IF A DISTRICT INSPECTOR IS AVAILABLE. THE CONTRACTOR SHALL PAY THE DISTRICT FOR THE COST OF OVERTIME FOR DISTRICT INSPECTION PERFORMED OUTSIDE OF NORMAL WORKING HOURS.

7. COORDINATION WITH OTHER AGENCIES AND PRIVATE PROPERTY OWNERS:
THE CONTRACTOR SHALL BE RESPONSIBLE COORDINATING INSPECTION PERFORMED BY OTHER
GOVERNMENTAL AGENCIES, AS PRESCRIBED IN THEIR PERMITS AND APPROVALS.

AT ALL TIMES DURING CONSTRUCTION AND UNTIL FINAL COMPLETION AND ACCEPTANCE OF THE WORK, THE CONTRACTOR SHALL PREVENT THE FORMATION OF AN AIRBORNE DUST NUISANCE IN SUCH A MANNER THAT IT WILL CONTAIN DUST PARTICLES TO THE IMMEDIATE SURFACE OF THE WORK. THE CONTRACTOR SHALL PERFORM SUCH TREATMENT WITHIN 2 HOURS AFTER NOTIFICATION BY THE DISTRICT THAT AN AIRBORNE NUISANCE EXISTS.

9. MAINTENANCE OF EQUIPMENT:

ALL EQUIPMENT SHALL BE MAINTAINED IN GOOD ORDER. SUBSTANDARD OR UNSUITABLE PAVING EQUIPMENT WILL NOT BE ALLOWED.

10. FINAL INSPECTION:

THE DISTRICT WILL NOT PERFORM THE FINAL INSPECTION UNTIL THE CONTRACTOR COMPLETES ALL WORK AND FINAL CLEANUP OF THE SITE.

11. MAINTENANCE OF WORK SITE:

THE CONTRACTOR SHALL KEEP THE STREET, ADJACENT PROPERTIES, AND WORK SITE CLEAN AND FREE FROM RUBBISH AND DEBRIS PER REQUIREMENTS PREVENTING SPILLAGE ON HAUL ROUTES, CLEANING UP SPILLAGE, SWEEPING ALL STREETS AND PARKING LOTS OF MUD, DIRT AND DEBRIS THAT ARE A RESULT OF THE CONTRACTOR'S WORK, AND KEEPING THE WORK SITE IN A CLEAN AND NEAT APPEARANCE. ANY SPILLAGE ON HAUL ROUTES SHALL BE IMMEDIATELY REMOVED AND CLEANED UP.

12. CLEANING SITE UPON NOTICE FROM DISTRICT:

WHEN ORDERED BY THE DISTRICT, THE CONTRACTOR SHALL CLEAN UP THE WORK SITE WITHIN 24 HOURS AFTER RECEIVING NOTICE.

CONTROL OF MATERIAL

13. <u>COMPACTION TESTS:</u>
THE CONTRACTOR SHALL HIRE A TESTING LABORATORY, APPROVED BY THE DISTRICT, TO PERFORM COMPACTION TESTS OF AGGREGATE BASE, AGGREGATE SUB-BASE AND SUB-GRADE TO THE SATISFACTION OF THE DISTRICT. THE TEST RESULTS SHALL BE SUBMITTED TO THE DISTRICT PRIOR TO ANY AC OR PCC PAVING. AC PAVING SHALL BE TESTED WITH A NUCLEAR GAGE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF ALL TESTING.

14. <u>CONCRETE MATERIAL TAGS:</u>
PLANT MATERIAL TAGS FOR PORTLAND CONCRETE CEMENT SHALL BE SUBMITTED TO THE DISTRICT.

LEGAL RELATIONS AND RESPONSIBILITY

15. PERMITS AND LICENSES:

ALL CONTRACTORS AND SUBCONTRACTORS SHALL BE LICENSED IN ACCORDANCE WITH THE LAWS OF THE STATE OF CALIFORNIA.

THE CONTRACTOR SHALL PROCURE ALL PERMITS AND LICENSES, PAY ALL CHARGES AND FEES, AND

16. <u>COMPLIANCE WITH ENVIRONMENTAL DOCUMENTS:</u>
THE CONTRACTOR SHALL COMPLY WITH THE PROVISIONS OF ALL PERMITS, LICENSES OR OTHER AUTHORIZATIONS APPLICABLE TO THE WORK WITH RESPECT TO THE ENVIRONMENTAL QUALITY ACT.

GIVE ALL NOTICES NECESSARY AND INCIDENT TO DUE AND LAWFUL PROSECUTION OF THE WORK.

17. PUBLIC CONVENIENCE AND ACCESS:
ALL WORK SHALL BE PLANNED AND CARRIED OUT SO THAT THERE WILL BE THE LEAST POSSIBLE INCONVENIENCE TO THE TRAVELING PUBLIC, AND TRAFFIC SHALL NOT BE UNREASONABLY DELAYED. DRIVEWAY ACCESS SHALL BE MAINTAINED TO EACH PROPERTY AT ALL TIMES.

18. MAINTAIN TRAFFIC CONTROL DEVICES:
THE CONTRACTOR SHALL INSTALL AND MAINTAIN FENCES, BARRIERS, LIGHTS AND SIGNS THAT ARE
NECESSARY TO GIVE ADEQUATE WARNING TO THE PUBLIC AT ALL TIMES IN ACCORDANCE WITH THE
CALIFORNIA MANUAL ON UNITFORM TRAFFIC CONTROL DEVICES (CA MUTCD) OF TRANSPORTATION'S

TRAFFIC CONTROL MANUAL.

19. HAZARDOUS MATERIALS AND WASTE:
ALL WORK SHALL BE CONDUCTED IN A MANNER WHICH PREVENTS THE RELEASE OF HAZARDOUS
MATERIALS OR HAZARDOUS WASTE TO THE SOIL OR GROUNDWATER, AND MINIMIZES THE
DISCHARGE OF HAZARDOUS MATERIALS, HAZARDOUS WASTES, POLLUTED WATER AND SEDIMENTS
TO THE STORM DRAIN SYSTEM.

20. LAND OWNER AGREEMENT
CONTRACTOR SHALL ADHERE TO THE REQUIREMENTS IN THE AGREEMENT WITH THE LAND OWNER

21. COORDINATION WITH OTHER CONTRACTORS:
WHERE TWO OR MORE CONTRACTORS ARE WORKING IN THE SAME AREA, EACH SHALL CONDUCT
THEIR OPERATIONS IN SUCH A MANOR AS NOT TO CAUSE ANY UNNECESSARY DELAY OR HINDRANCE
TO THE OTHER. WHERE CONFLICTS CANNOT BE AVOIDED, THE DISTRICT WILL DETERMINE WHICH
CONTRACTORS HAVE CONSTRUCTION PRIORITY OVER THE OTHER CONTRACTORS AND THE TERMS
OF SUCH CONSTRUCTION PRIORITY.

23. NOISE WORKING HOUR RESTRICTIONS:

IN ORDER TO LIMIT DISTURBING NOISES, CONSTRUCTION WORK SHALL OCCUR ONLY BETWEEN THE HOURS OF 7:30 A.M. AND 4:00 P.M., MONDAY THROUGH FRIDAY, EXCLUDING HOLIDAYS. WORK OUTSIDE OF THESE HOURS IS PROHIBITED, UNLESS THE DISTRICT GRANTS AN EXCEPTION. EXCEPTIONS WILL BE CONSIDERED ONLY WHEN, IN THE OPINION OF THE DISTRICT, CONSTRUCTION DURING NORMAL CONSTRUCTION HOURS WOULD INCONVENIENCE THE PUBLIC AND NEIGHBORING RESIDENTS MORE THAN WORKING OUTSIDE OF THESE HOURS. EXCEPTIONS WILL NOT BE GRANTED MERELY TO EXPEDITE THE CONSTRUCTION WORK.

24. <u>DANGEROUS SITUATIONS, CALL 911:</u>
IF ANY DAMAGE OCCURS TO AN UNDERGROUND FACILITY THAT RESULTS IN THE ESCAPE OF ANY FLAMMABLE, TOXIC OR CORROSIVE GAS OR LIQUID OR ENDANGERS LIFE, HEALTH, OR PROPERTY, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE UTILITY OWNER AND CALL THE 911 EMERGENCY TELEPHONE NUMBER TO NOTIFY LOCAL PUBLIC SAFETY OFFICIALS.

25. <u>PROVIDE SUPERINTENDENT INFORMATION BEFORE START OF WORK:</u>
THE CONTRACTOR SHALL PROVIDE THE NAME AND TELEPHONE NUMBER OF THE AUTHORIZED

26. CALL DISTRICT INSPECTORS PRIOR TO START OF WORK: CONTRACTOR SHALL NOTIFY THE DISTRICT AT LEAST TWO WORK

CONTRACTOR SHALL NOTIFY THE DISTRICT AT LEAST TWO WORKING DAYS PRIOR TO COMMENCING WORK, RESUMING SUSPENDED WORK, OR RESUMING WORK AFTER THREE DAYS OF NO WORK SO THAT INSPECTION CAN BE ARRANGED.

27. CONTACT USA:

REPRESENTATIVE (SUPERINTENDENT) OF THE WORK TO THE DISTRICT IN WRITING PRIOR TO

CONTRACTOR SHALL CONTACT USA (UNDERGROUND SERVICE ALERT) AT (800) 642-2444 AT LEAST TWO WORKING DAYS BUT NOT MORE THAN 14 DAYS PRIOR TO COMMENCING EXCAVATION WORK TO VERIFY EXISTING UNDERGROUND UTILITIES 28. NOTIFY UTILITY OWNERS:

CONTRACTOR SHALL NOTIFY ALL PUBLIC OR PRIVATE UTILITY OWNERS FORTY-EIGHT HOURS PRIOR TO COMMENCEMENT OF WORK ADJACENT TO THE UTILITY.

29. NOTIFY ADJACENT PROPERTIES:
CONTRACTOR SHALL NOTIFY THE ADJACENT RESIDENCES AND BUSINESS IN WRITING
DESCRIBING THE NATURE OF THE WORK, SCHEDULE OF THE WORK, WHEN PARKING WILL BE
PROHIBITED (IF ANY), AND WHO TO CALL AT THE CONTRACTOR'S OFFICE IF THEY HAVE
QUESTIONS ABOUT THE WORK. THE DISTRICT PRIOR TO ITS DISTRIBUTION MUST APPROVE
THE NOTICE. THE CONTRACTOR MUST DISTRIBUTE THE NOTICE TO THE ADJACENT
RESIDENCES AND BUSINESS AT LEAST 7 DAYS PRIOR TO THE START OF THE CONSTRUCTION
WORK. FOR LARGE PROJECTS, THE WORK AREA, PARKING PROHIBITION REQUIREMENTS AND
SCHEDULE SHALL BE DIVIDED UP INTO SMALLER, MORE MANAGEABLE AREAS. IN THE EVENT
THE PARKING PROHIBITION SCHEDULE CHANGES AFTER THE NOTIFICATION, CONTRACTOR
SHALL POST A NEW NOTICE OF THE REVISED SCHEDULE AT LEAST 48 HOURS IN ADVANCE OF
CONSTRUCTION. FOR WORK REQUESTED BY THE PROPERTY OWNER, A NOTICE TO THE
PROPERTY OWNER IS NOT REQUIRED.

30. NO PARKING SIGN NOTIFICATION:

UPON POSTING TEMPORARY NO PARKING SIGNS ON A STREET, CONTRACTOR SHALL NOTIFY THE DISTRICT OF STREETS THAT HAVE BEEN POSTED WITH NO PARKING SIGNS. THE SIGNS SHALL BE POSTED AT LEAST 48 HOURS IN ADVANCE.

31. STREET CLOSURE NOTIFICATION:

IN THE EVENT OF A STREET CLOSURE AND DETOUR THAT IS THREE OR MORE CONSECUTIVE DAYS IN DURATION AND IS CAUSED BY THE CONTRACTOR'S OPERATIONS, THE CONTRACTOR SHALL NOTIFY THE U.S. POSTAL SERVICES CUSTOMER SERVICES MANAGER AT (650) 967-5721 TWENTY FOUR HOURS PRIOR TO THE STREET CLOSURE.

<u>IMPROVEMENTS</u>

THE START OF WORK.

32. PLACE UTILITIES BEFORE BASE ROCK:

ALL UNDERGROUND UTILITIES SHALL BE COMPLETED BEFORE PLACING OF PAVEMENT BASE ROCK, UNLESS THE DISTRICT GRANTS AN EXCEPTION.

CONCRETE POURED PRIOR TO INSPECTION IS SUBJECT TO REJECTION AND REMOVAL.

33. <u>INSPECTION OF CONCRETE FORMS:</u>
THE DISTRICT MUST APPROVE CONCRETE FORMS, BEFORE THE POURING OF CONCRETE.

EXCAVATIONS

34. <u>UTILITY INSPECTION REQUIREMENT:</u>
ALL DISTRICT APPURTENANCES MUST BE INSPECTED BY THE DISTRICT PRIOR TO BACKFILLING

ANY TRENCHES OR POURING ANY CONCRETE.

35. EXCAVATIONS:
AT THE END OF EACH WORK DAY, ALL EXCAVATIONS WITHIN THE STREET AND TRAVEL WAY

AT THE END OF EACH WORK DAY, ALL EXCAVATIONS WITHIN THE STREET AND TRAVEL WAY SHALL BE: (1) BACKFILLED AND PAVED WITH TEMPORARY PAVING SUCH THAT THE FINISHED SURFACE IS FLUSH WITH THE EXISTING PAVEMENT, (2) ADEQUATELY COVERED WITH STEEL PLATE BRIDGING, OR (3) BACKFILLED AND PAVED WITH PERMANENT PAVING. IF STEEL PLATE BRIDGING IS USED, THE STEEL PLATE BRIDGING MUST BE REMOVED WITHIN 48 HOURS AFTER ITS INSTALLATION. CONTROL DENSITY FILL SHALL NOT BE USE AS TEMPORARY AC PAVING.

PROJECT SPECIFIC NOTES

36. SURVEY BENCHMARK:

SURVEY VERTICAL DATUM BASED ON NAV88 BASED ON GPS OBSERVATIONS PERFORMED BY ANDREG PSMOAS 10/03/2018. HORIZONTAL DATUM: CALIFORNIA STATE PLANE COORDINATION SYSTEM ZONE III NAD83(2010) CA HPGN.

37. SPARE PARTS

THE CONTRACTOR SHALL PROVIDE A THIRD SPARE PUMP. THE CONTRACTOR SHALL DELIVER THE SPARE PUMP TO DISTRICT HEADQUARTERS. THE CONTRACTOR DOES NOT NEED TO PROVIDE A SPARE DISCHARGE ELBOW, GUIDE RAILS, OR OTHER ACCESSORIES.

38. PG&E COORDINATION AND CONTRACTOR SCOPE OF WORK FOR PG&E SERVICE:
THE CONTRACTOR SHALL COORDINATE WITH PG&E FOR LANDING WIRES AND ENERGIZING THE
STATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FOR INSTALLATION OF THE
SECONDARY CONDUIT AND SECONDARY PULL BOX IN ACCORDANCE WITH PG&E STANDARDS

39. JOINT REQUIREMENTS

ALL PIPE AND FITTINGS SHALL BE MECHANICALLY RESTRAINED THROUGH USE OF FLANGES, MEGALUGS, HDPE FLANGE ADAPTORS, OR OTHER APPROVED RESTRAINT.

LEGEND

DEMOLITION

LEGEND		
DESCRIPITION	EXISTING	PROPOSED
BENCHMARK / SOIL BORING	•	
MANHOLE		•
VALVE	\otimes	⊗
CATCH BASIN / DRAIN INLET / AREA DRAIN		
WATER METER		
SIGN	•	
UTILITY BOX (SIZE VARIES)		
BOLLARD	•	
BUILDING LINE		
CONCRETE		1
FENCE	xxx	——×——×
EXISTING GROUND	//////////////////////////////////////	////
SURFACING HATCH		
AGGREGATE BASE		030303030303030303
ASPHALT CONCRETE		
GROUT		
CENTERLINE		
EDGE OF PAVEMENT		
EXISTING SANITARY SEWER	SS	ss
STORM DRAIN	SD	
WATER		———w
UNDERGROUND GAS	G	
UNDERGROUND JOINT TRENCH	JT	JT
UNDERGROUND FORCEMAIN	FM	——FM
UNDEGROUND TELEPHONE	———Т———	
ABANDONED PIPE		

ABBREVIATIONS

ABBR	REVIATIONS
ABAND	
AC APPROX	ASPHALTIC CONCRETE, AIR COMPRESSOR APPROXIMATE
ATS	AUTOMATIC TRANSFER SWITCH
CI, CIP CONC	CAST IRON PIPE CONCRETE
(D), DEMO	DEMOLITION
	DUCTILE IRON PIPE
(E), EXIST	DIAMETER EXISTING
EB	ELECTRIC BOX
E, ELEC	ELECTRIC ELEVATION
ELL	ELBOW
ESMT	EASEMENT FLECTRIC VALUET
EV FCA	ELECTRIC VAULT FLANGED COUPLING ADAPTER
FH	FIRE HYDRANT
FL FM	FLANGE FORCE MAIN
FO	FIBER OPTICS
FT G	FEET GAS
GPM	GALLONS PER MINUTE
GV	GATE VALVE
HDPE HOR	HIGH DENSITY POLYETHYLENE HORIZONTAL
HP	HORSE POWER
IMP IN	IMPELLER INCHES
INV, IE	INVERT ELEVATION
JT	JOINT TRENCH
LF L/S	LINEAR FOOT LANDSCAPE
MIN	MINIMUM
MJ MON	MECHANICAL JOINT MONUMENT
MTS	MANUAL TRANSFER SWITCH
NAVD	NORTH AMERICAN VERTICAL DATUM
NIC OH	NOT IN CONTRACT OVER HEAD WIRES
PCC	PRECAST CONCRETE
PE PG&E	PLAIN END PACIFIC GAS AND ELECTRIC
PVC	POLYVINYL CHLORIDE
RC RE, RIM	RELATIVE COMPACTION RIM ELEVATION
ROW, R/W	
S	SLOPE
SD SDCB	STORM DRAIN STORM DRAIN CATCH BASIN
SDMH	STORM DRAIN MANHOLE
SS SSCO	SANITARY SEWER, STAINLESS STEEL SANITARY SEWER CLEAN OUT
STL	STEEL
SSMH	SANITARY SEWER MANHOLE
STA TB	STATION TELEPHONE BOX
TC	TOP OF CURB
TDH T, TELE	TOTAL DYNAMIC HEAD TELEPHONE
THD	THREADED
TV TYP	TELEVISION CABLE TYPICAL
UB	UTILITY BOX
VER	VERTICAL
W W/	WATER WITH
WB	WATER BOX
XFMR	TRANSFORMER

Schaaf & Wheeler

CONSULTING CIVIL ENGINEERS

A HEALM NOSITION SIDES DR., STE. 350

SANTA CLARA, CA 95054

(408) 246-4848



QUEST OF ISTRICT

BBREVIATIONS

IMPROVEMENTS
IMPROVEMENTS
PREPARED AT THE REQUEST OF STEGE SANITARY DISTRICT
LEGEND & ABBRE

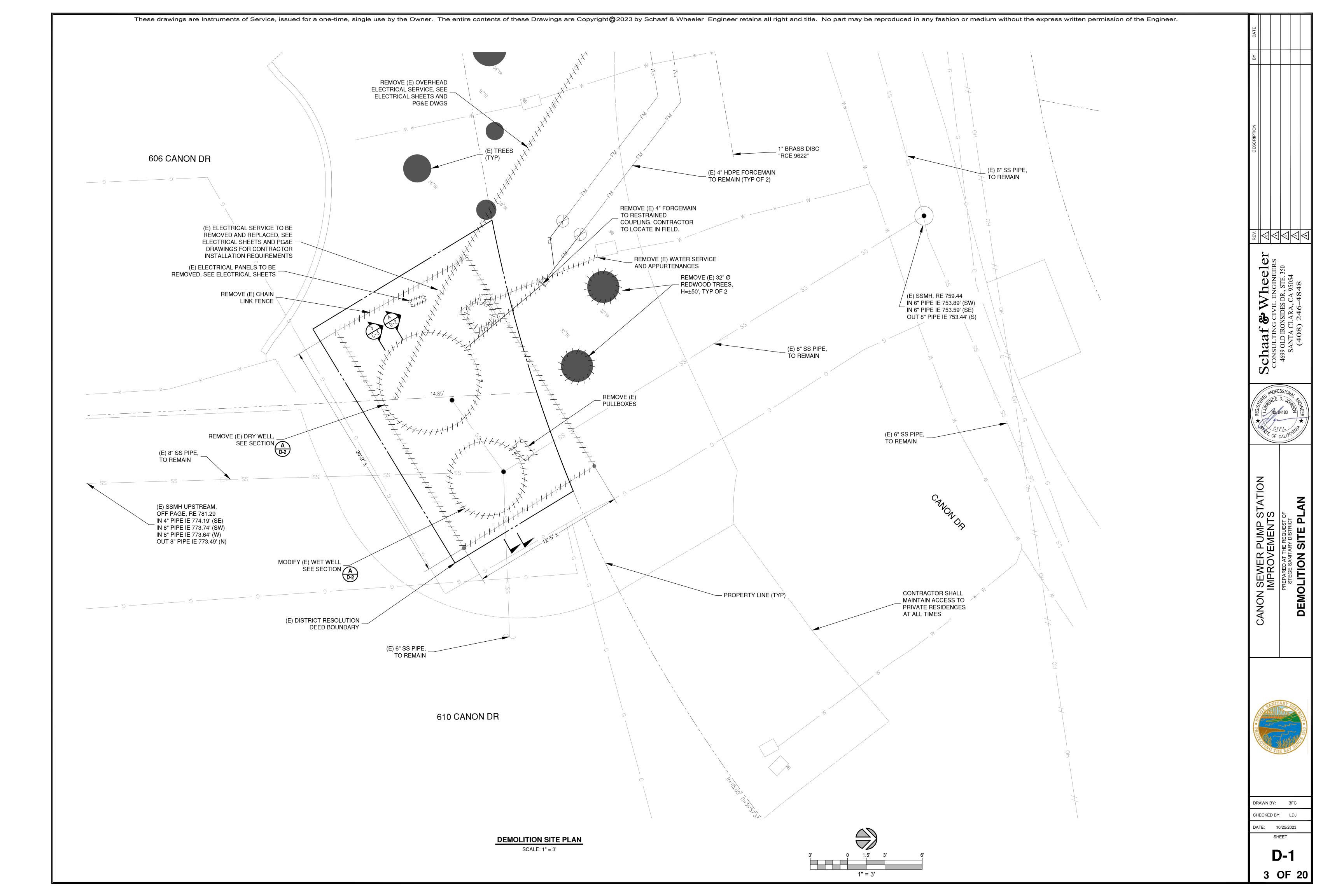
O LON

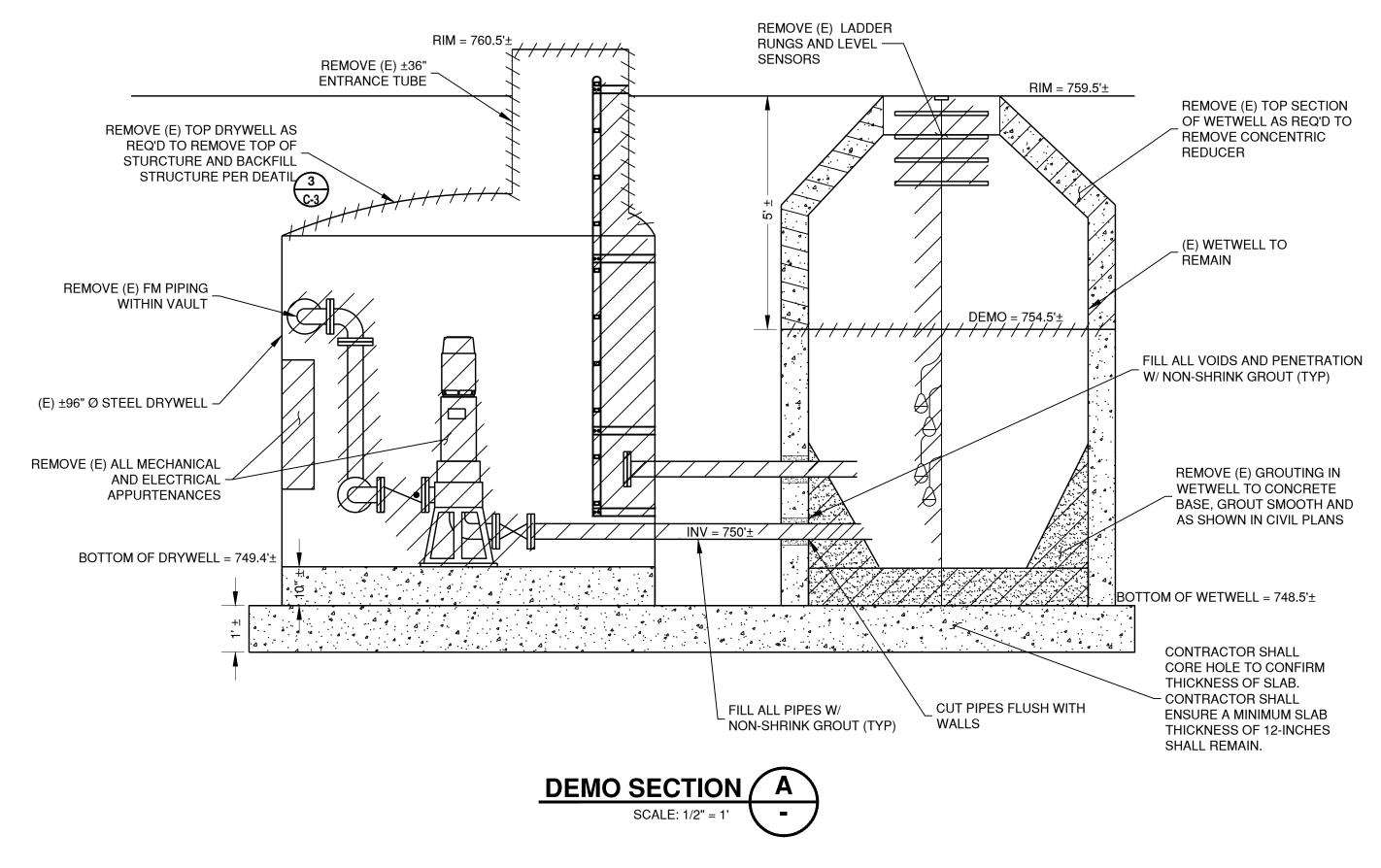
DRAWN BY: BFC

DATE: 10/25/2023

G-2

SHEET

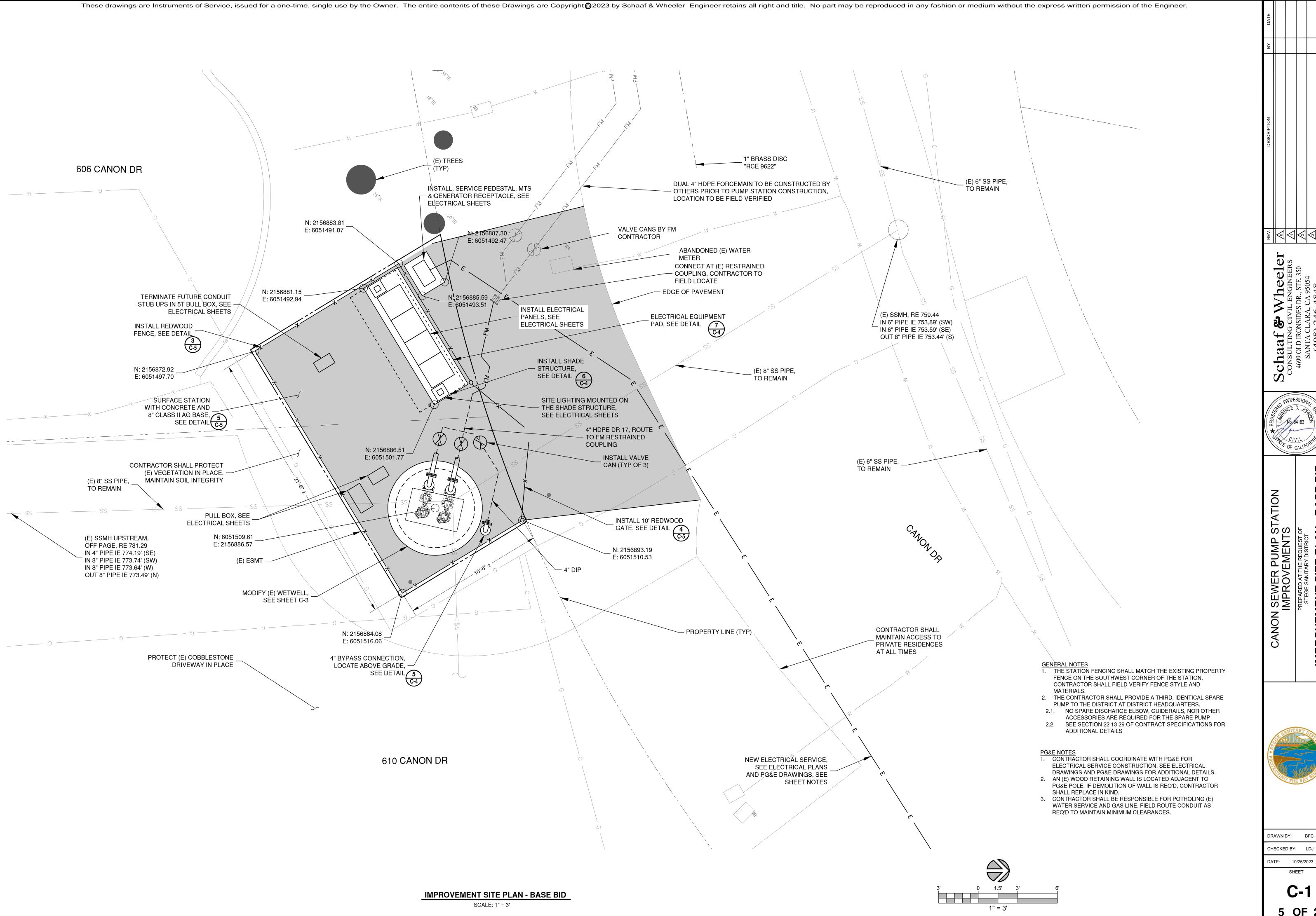




DEMOLITION NOTES
 1. ALL ELEVATIONS AND DIMENSIONS ARE BASED ON ASBUILTS DATED FROM 1962. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND ELEVATIONS AND NOTIFY THE ENGINEER WHERE CONFLICTS OCCUR.

DEMOLITION SECTION



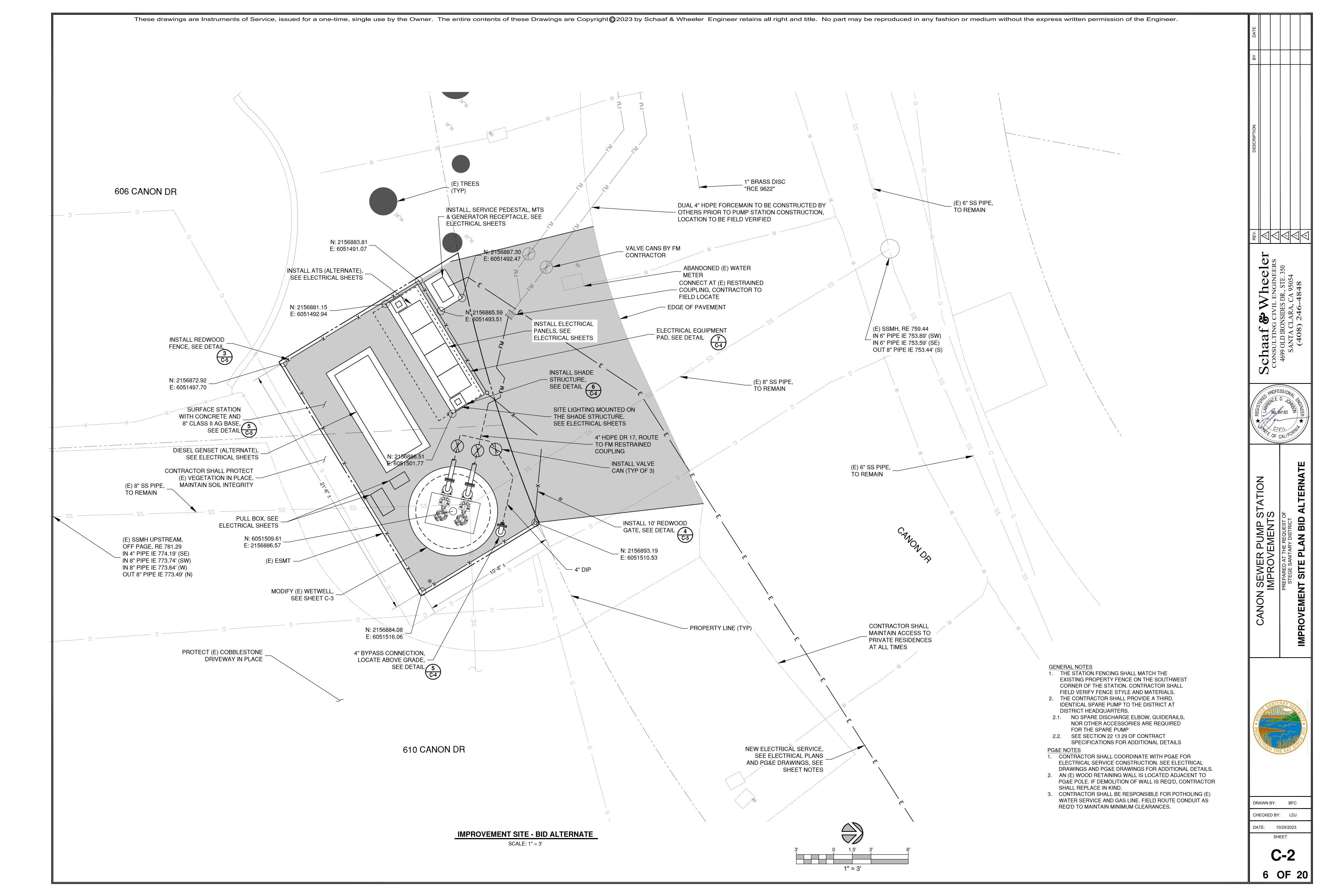


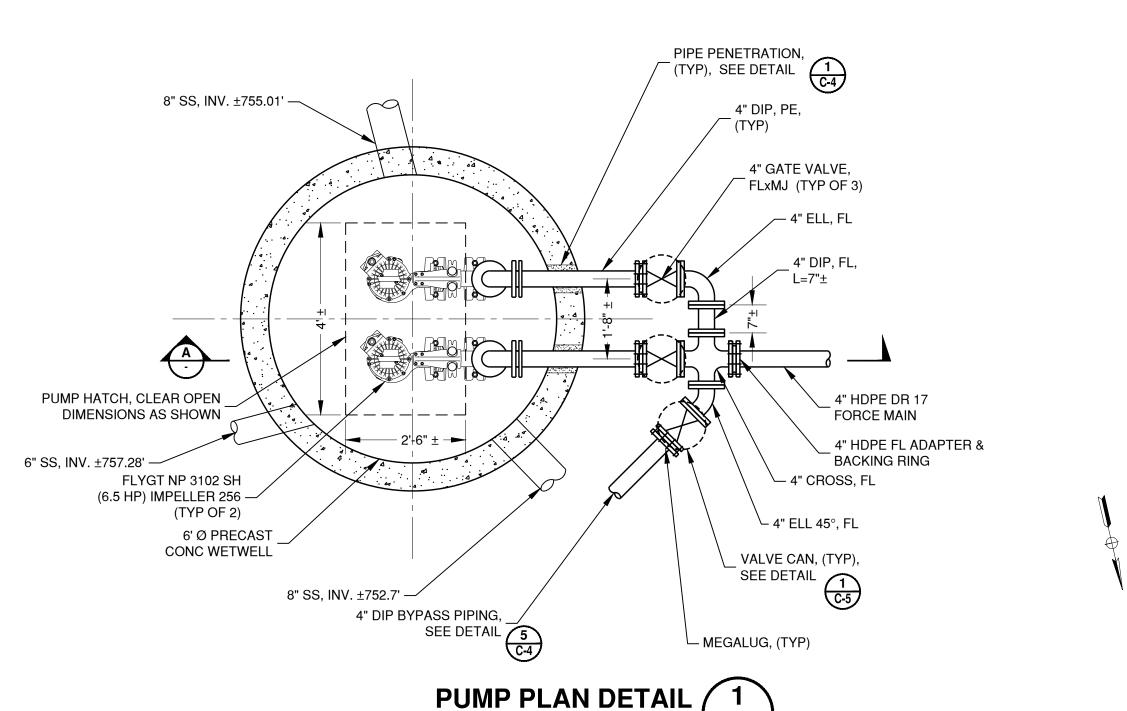
PLAN

SITE IMPROVEMENT

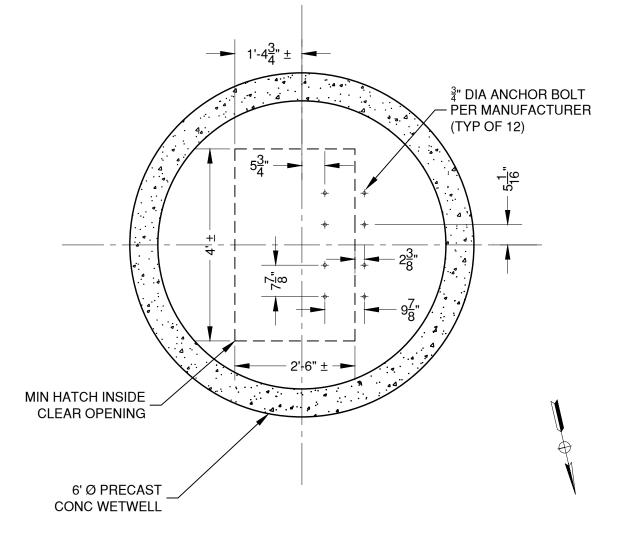
DRAWN BY: BFC

CHECKED BY: LDJ





SCALE: 1/2" = 1'



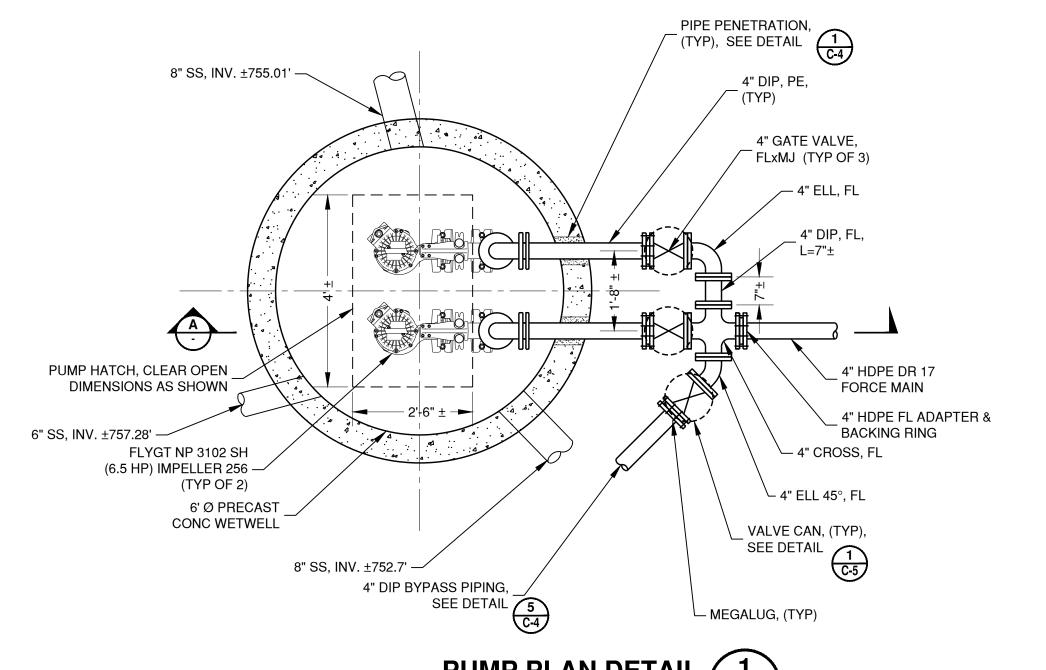
These drawings are Instruments of Service, issued for a one-time, single use by the Owner. The entire contents of these Drawings are Copyright © 2023 by Schaaf & Wheeler Engineer retains all right and title. No part may be reproduced in any fashion or medium without the express written permission of the Engineer.

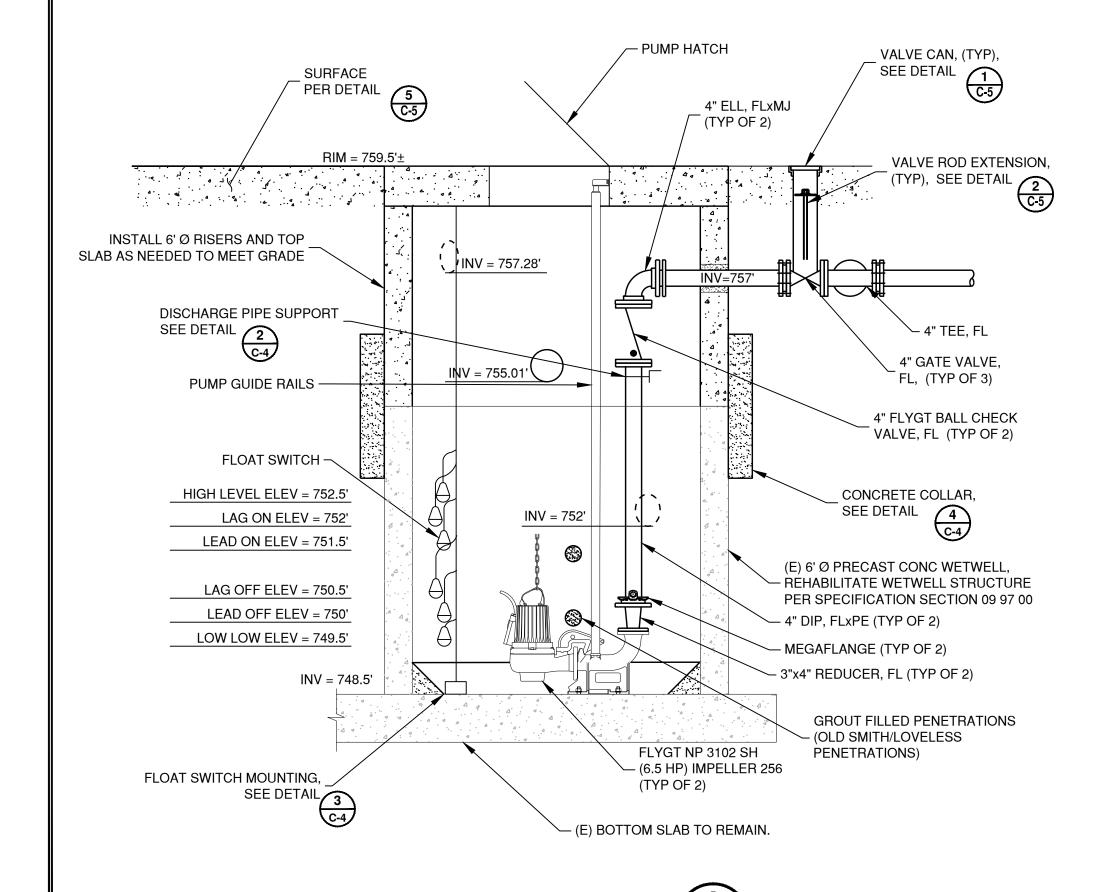


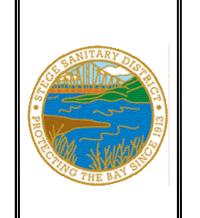
- 1. REFER TO CIVIL SHEET C-1 FOR PUMP STATION PLAN LOCATION AND ADDITIONAL SITE
- IMPROVEMENTS. 2. CONTRACTOR SHALL PROVIDE 2 SETS OF ALL OPERATING TOOLS REQUIRED TO OPERATE THE
- BURIED VALVES AND ALL SPECIALITY EQUIPMENT. 2. THE CONTRACTOR SHALL PROVIDE A THIRD, IDENTICAL SPARE PUMP TO THE DISTRICT AT
- DISTRICT HEADQUARTERS 2.1. NO SPARE DISCHARGE ELBOW, GUIDERAILS, NOR OTHER ACCESSORIES ARE REQUIRED
- 2.2. SEE SECTION 22 13 29 OF CONTRACT SPECIFICATIONS FOR ADDITIONAL DETAILS

WETWELL IMPROVEMENTS, ← SEE DETAIL 1 AND 2, THIS CLASS II AB, TO 95% SURFACE WITH CONCRETE RELATIVE COMPACTION SHEET C-1 AND DETAIL 5 GROUND EL = 759.5'± CONCRETE COLLAR
SEE DETAIL
4
C-4 BACKFILL DRYWELL W/ CDF CONCRETE (E) WETWELL TO BOTTOM OF WETWELL = 748.5'± FILL ALL VOIDS AND HOLES W/ NON-SHRINK GROUT (TYP)









ANON SEWER PUMP STATION IMPROVEMENTS

S

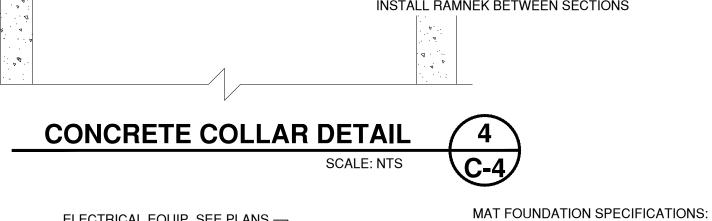
AND

DRAWN BY: CHECKED BY: LDJ

> SHEET **C-3**

DATE: 10/25/2023

SCALE: NTS



ELECTRICAL EQUIP, SEE PLANS — 1. NET ALLOWABLE BEARING PRESSURE OF MAT SLAB AND EQUIPMENT SHALL BE 3,000 PSF DUE TO SEISMIC ANCHORAGE CALCULATIONS TO BE PROVIDED BY MANUFACTURER, — DEAD LOAD AND 4,500 PSF DUE TO DEAD AND LIVE SEE ELECTRICAL DRAWINGS 2. AREAS REQUIRING PLACEMENT OF FILL SHALL BE #5 @ 16" OC MAX EA WAY, TOP & BOTTOM 2" (TYP), U.O.N $\frac{3}{4}$ " CHAMFER, TYP. -TOP OF FINISHED -

6" MIN ─►

GRADE

12" MIN CRUSHED GRAVEL. COMPACT

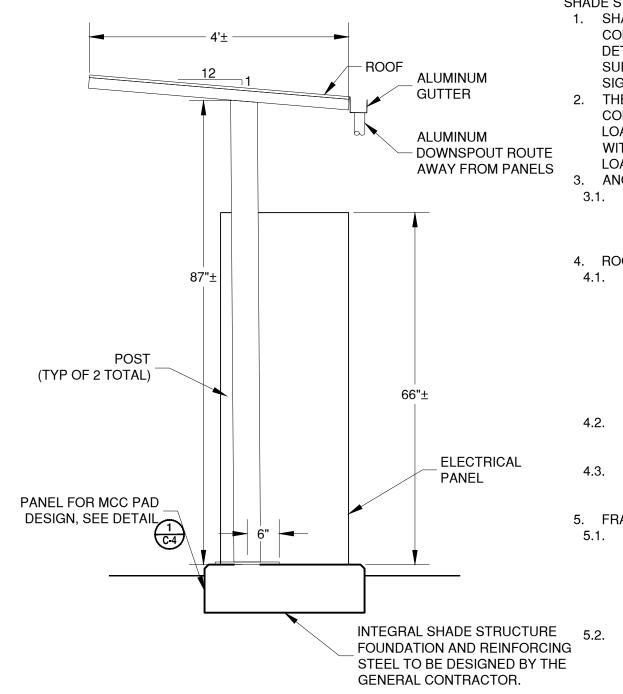
SUBGRADE TO 90% RELATIVE -

COMPACTION (TYP) PER NOTE 2.

SCARIFIED AN ADDITIONAL DEPTH OF 8-INCHES BEYOND THE DEPTH OF FILL, UNIFORMLY MOISTURE CONDITIONED BETWEEN 5 AND 0 PERCENT BELOW OPTIMUM MOISTURE CONTENT AND BE COMAPCTED TO AT LEAST 90 PERCENT RELATIVE COMPACTION PER ASTM D1557. 28-DAY CONCRETE STRENGTH SHALL BE 4,000 PSI MINIMUM; REINFORCING BARS SHALL BE ASTM A615 GR. 60. REINFORCEMENT DESIGN FOR CONCRETE

EQUIPMENT PADS AND MAT SLABS SHALL BE CALIFORNIA ENGINEER AND SHALL MEET THE CBC, ASCE-7-16 AND ACI. AS NEEDED WHERE CONCRETE SURFACING IS LOCATED ADJACENT TO THE CONCRETE PAD.

PROVIDED BY THE CONTRACTOR. CALCULATIONS SHALL BE SIGNED/STAMPED BY A REGISTERED REQUIREMENTS OF THE LATEST EDITION OF THE 5. CONTRACTOR SHALL INSTALL EXPANSION JOINTS



FROM ALL EQUIPMENT. 5. FRAMING 5.1. THE PRE-FABRICATED METAL CANOPY SHALL BE A STEEL CLEAR SPAN RIGID FRAME AND BRACED STRUCTURE WITH

STEEL SUB-FRAMING AND ROOF SHEETS. CANOPY SHALL BE SUPPORTED ON TWO COLUMNS AS SHOWN IN THE DRAWINGS. ROOF SLOPE SHALL NOT BE LESS THAN 1/2" PER FRAMING, INCLUDING COLUMNS, SHALL BE COMPOSED OF STRUCTURAL STEEL TUBING. TUBING SHALL BE

STRUCTURAL STEEL HOLLOW STRUCTURAL SECTIONS (HSS) OF RECTANGULAR OR SQUARE CROSS-SECTIONS CONFORMING TO EITHER ASTM A500 RO A1085

6. GROUNDING 6.1. GROUND STRUCTURAL IN ACCORDANCE WITH THE ELECTRICAL PLANS.

SHADE STRUCTURE DETAIL

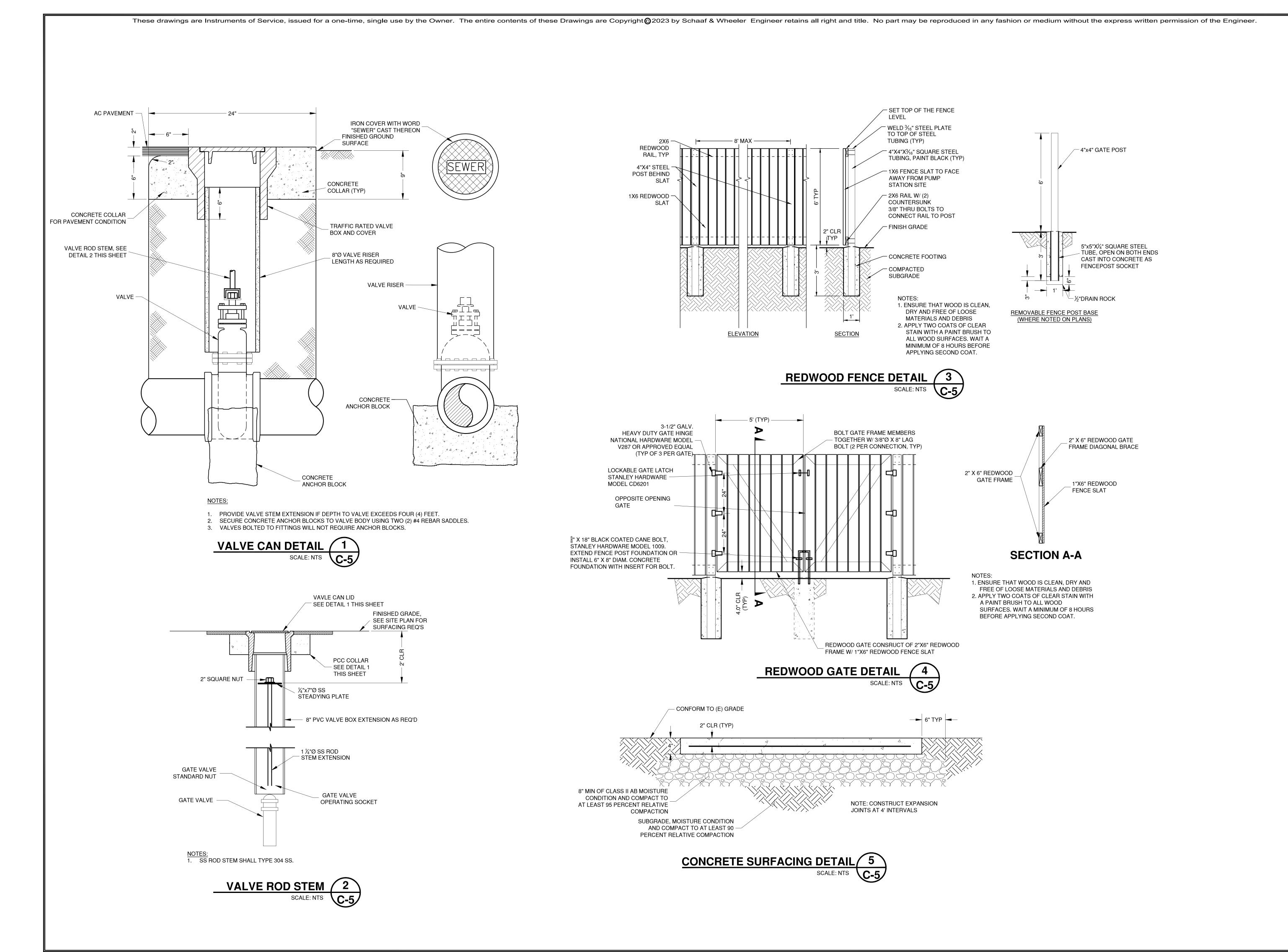




DRAWN BY: CHECKED BY: LDJ

DATE: 10/25/2023

SHEET



CANON SEWER PUMP STATION IMPROVEMENTS

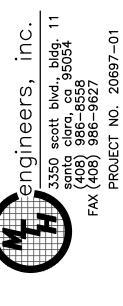
DRAWN BY: CHECKED BY: LDJ

DATE: 10/25/2023

SHEET

plotted by robbie catris on 4/3/2023 1:52 PM, last saved by rcatris on 12/5/2022 3:56 PM - filepath: m:\20697-01_canon pump station\01e1.dwg

These drawings are Instruments of Service, issued for a one-time, single use by the Owner. The entire contents of these Drawings are Copyright (2020 by Schaaf & Wheeler Engineer retains all right and title. No part may be reproduced in any fashion or medium without the express written permission of the Engineer.





S G PUMP AND

SEWER I $\overline{\mathbf{a}}$

ANON

SYMBOLS,



DRAWN BY: BFC

CHECKED BY: LDJ JOB NUMBER:

E1

SHEET

These drawings are Instruments of Service, issued for a one-time, single use by the Owner. The entire contents of these Drawings are Copyright © 2020 by Schaaf & Wheeler Engineer retains all right and title. No part may be reproduced in any fashion or medium without the express written permission of the Engineer.

GENERAL NOTES:

DISTRICT RESERVES THE RIGHT OF REFUSAL ON ANY OF THE EXISTING EQUIPMENT AND DEVICES BEING REMOVED IN THIS PROJECT. ANY EQUIPMENT OR DEVICES NOT WANTED BY THE DISTRICT SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM

IT IS THE INTENTION OF THIS PROJECT TO LEAVE EXISTING DRY WELL AND WET WELL COMPLETELY CLEAR AND FREE OF ANY AND ALL EXISTING ELECTRICAL APPARATUS THAT IS NOT IN USE OR THAT IS BEING REPLACED BY THIS PROJECT. THIS INCLUDES DEVICES, CONDUIT, BOXES, IN GROUND BOXES SERVING THE WELL BUT LOCATED OUTSIDE THE WELL, AND ANY OTHER SYSTEMS THAT EXIST BUT WILL NOT BE USED OR REPLACED AT THE COMPLETION OF THIS PROJECT WHETHER

COORDINATE WITH PG&E FOR REMOVAL OF OVERHEAD SERVICE DROP,

2 REMOVE ELECTRICAL EQUIPMENT INCLUDING ALL ENCLOSED EQUIPMENT AND DEVICES. VERIFY CONNECTIONS AND EXISTING CONDITIONS TO THE

REMOVE SCADA RTU EQUIPMENT INSIDE DRYWELL AND TURN OVER TO

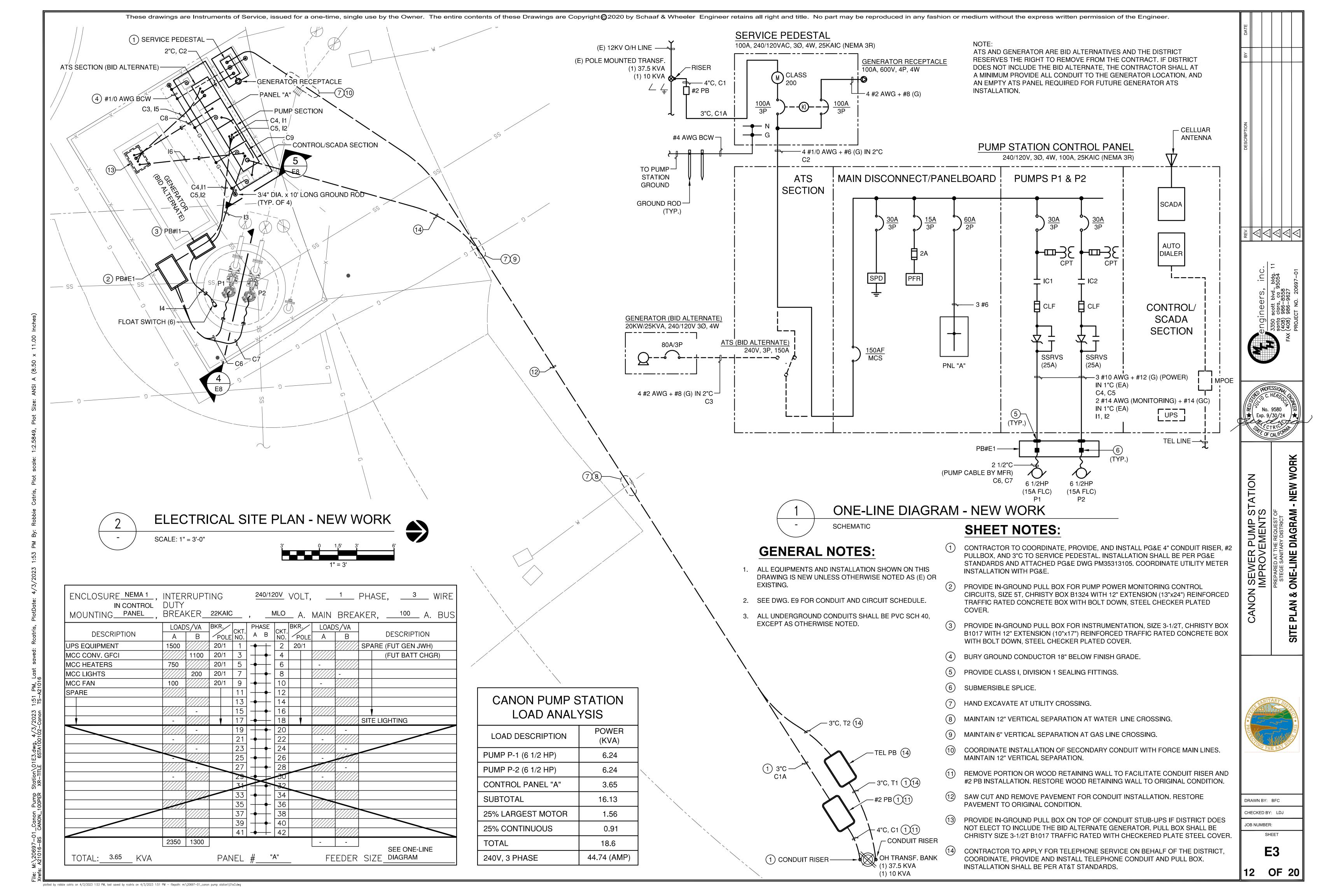


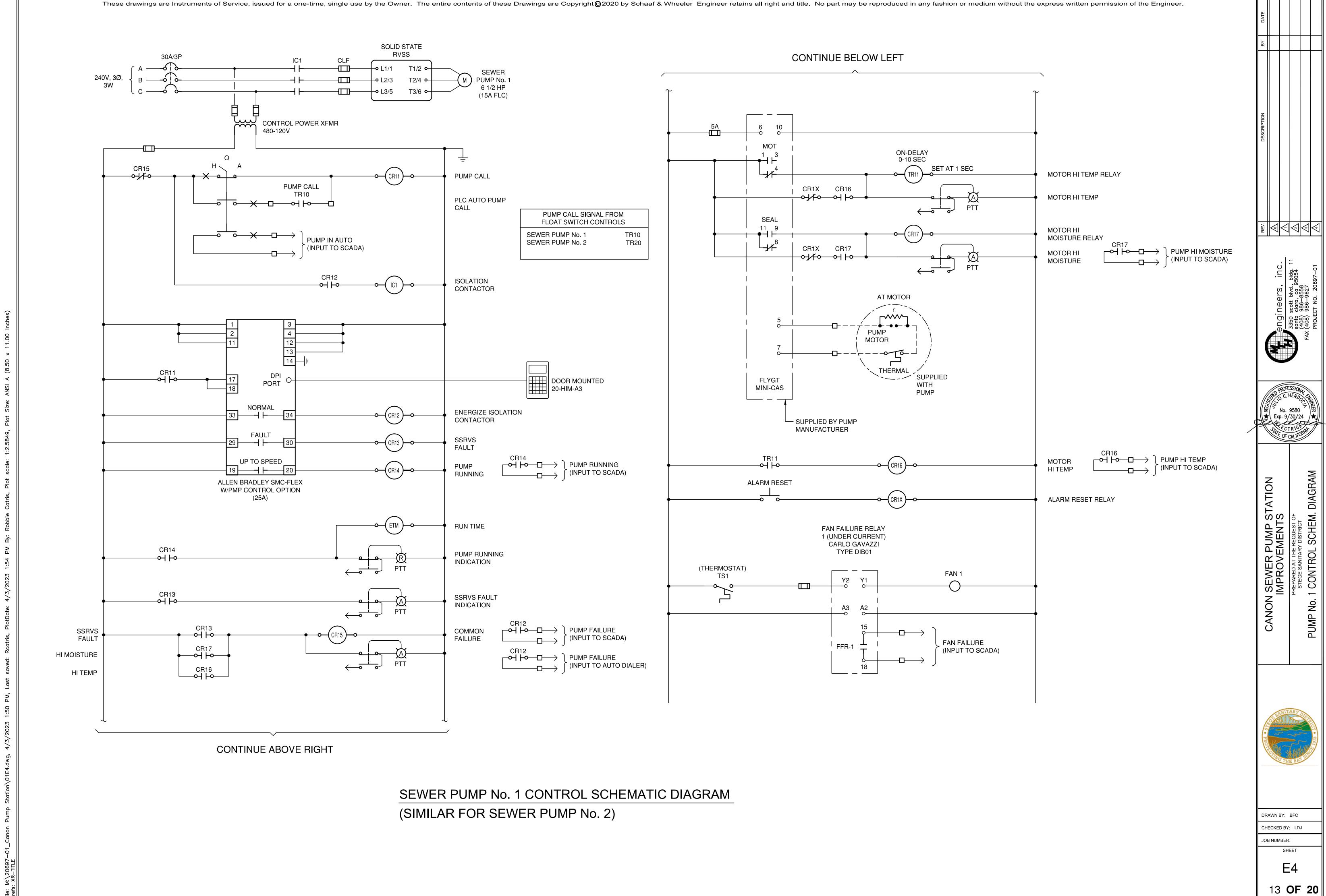
CANON SEWER PUMP STATION IMPROVEMENTS

DRAWN BY: BFC CHECKED BY: LDJ

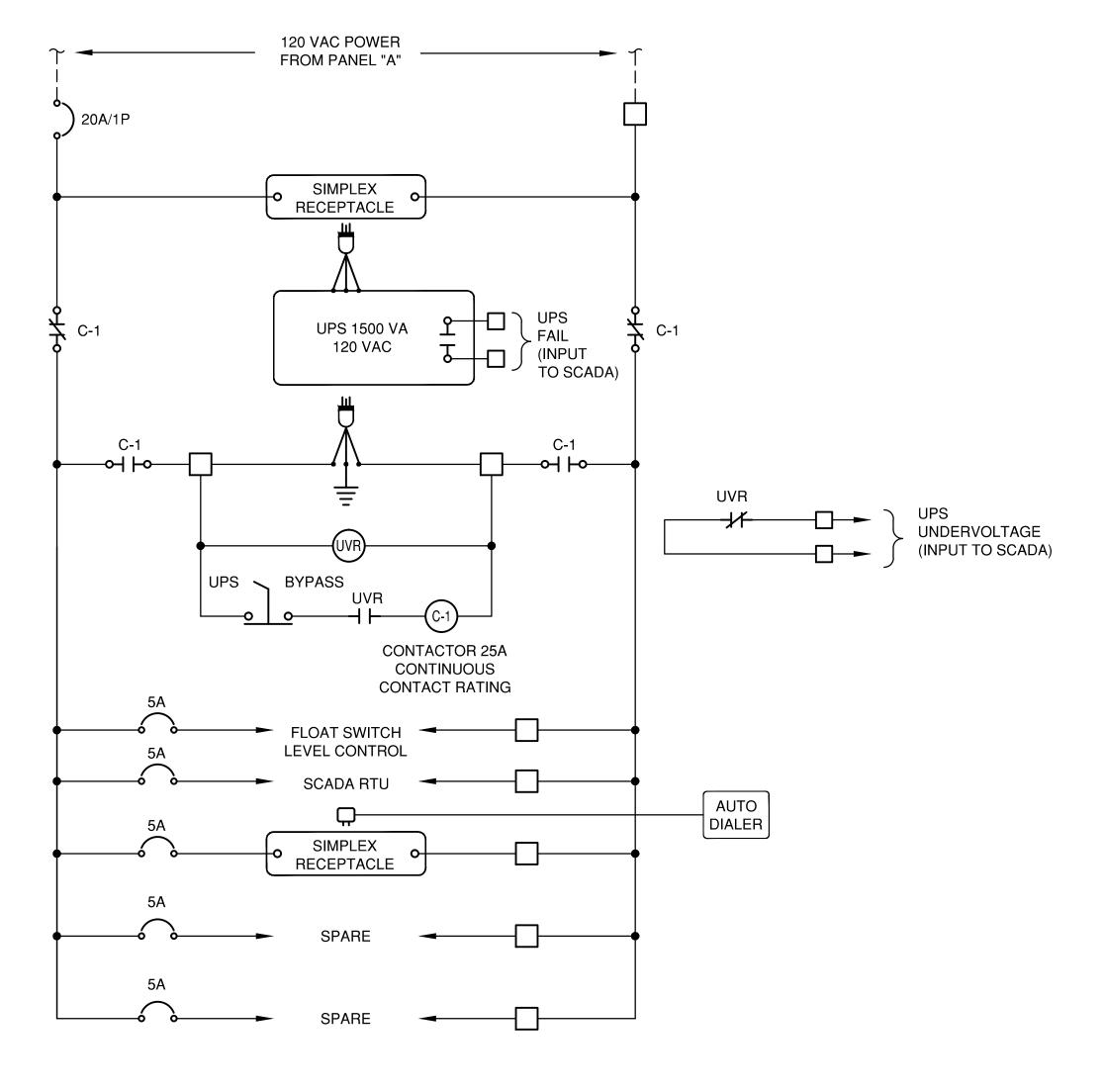
JOB NUMBER:

E2



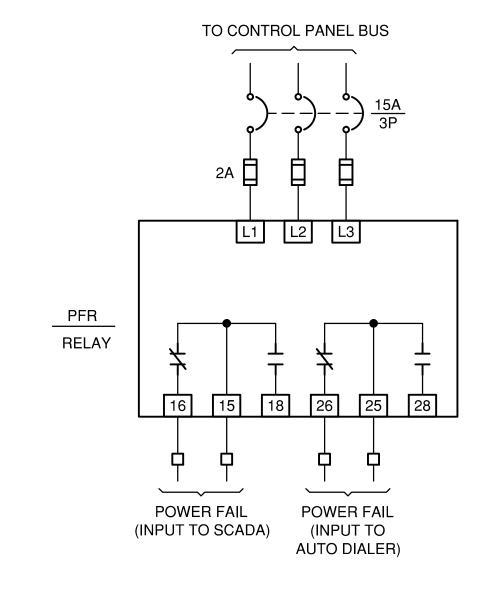


plotted by robbie catris on 4/3/2023 1:54 PM, last saved by rcatris on 4/3/2023 1:50 PM — filepath: m:\20697-01_canon pump station\01e4.dwg

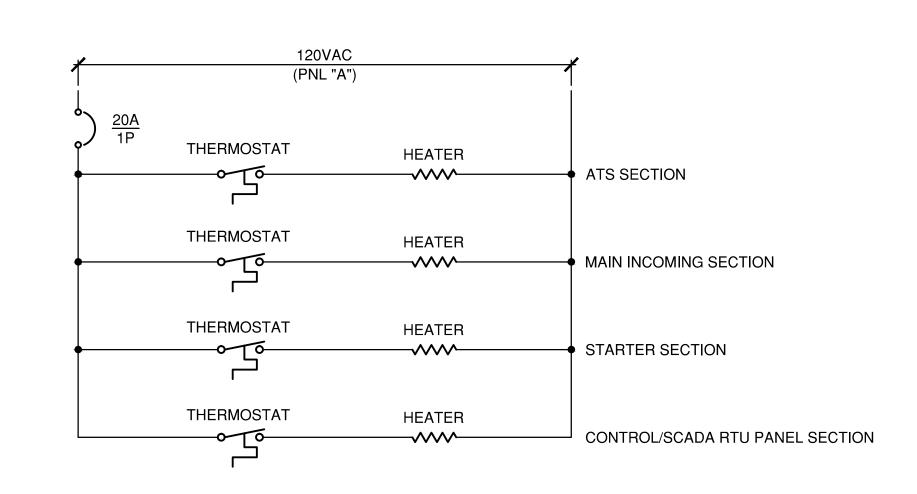


These drawings are Instruments of Service, issued for a one-time, single use by the Owner. The entire contents of these Drawings are Copyright © 2020 by Schaaf & Wheeler Engineer retains all right and title. No part may be reproduced in any fashion or medium without the express written permission of the Engineer.

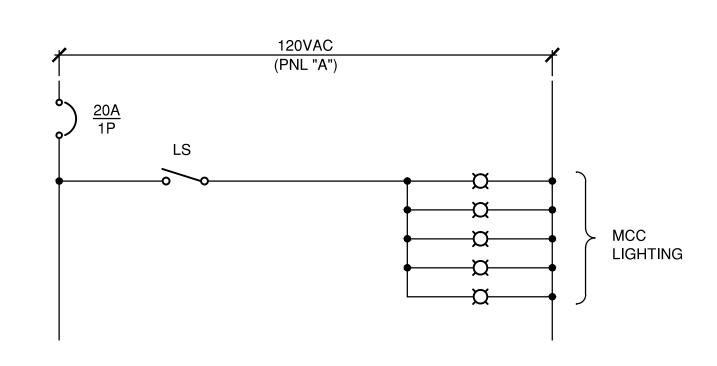
UPS POWER SUPPLY SCHEMATIC



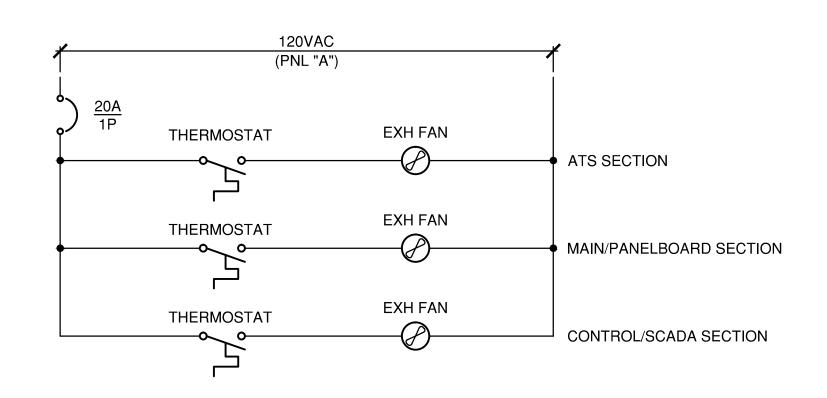
POWER FAILURE RELAY SCHEMATIC



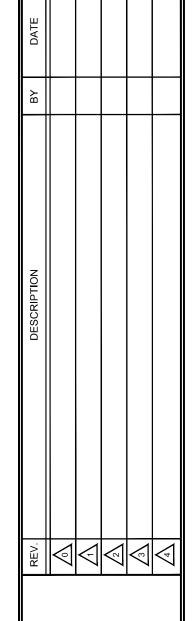
CONTROL PANEL HEATERS CONTROL SCHEMATIC



CONTROL PANEL LIGHTS CONTROL SCHEMATIC



CONTROL PANEL EXHAUST FAN CONTROL SCHEMATIC







MISC. CONTROL SCHEMATIC DIAGRAMS - SH

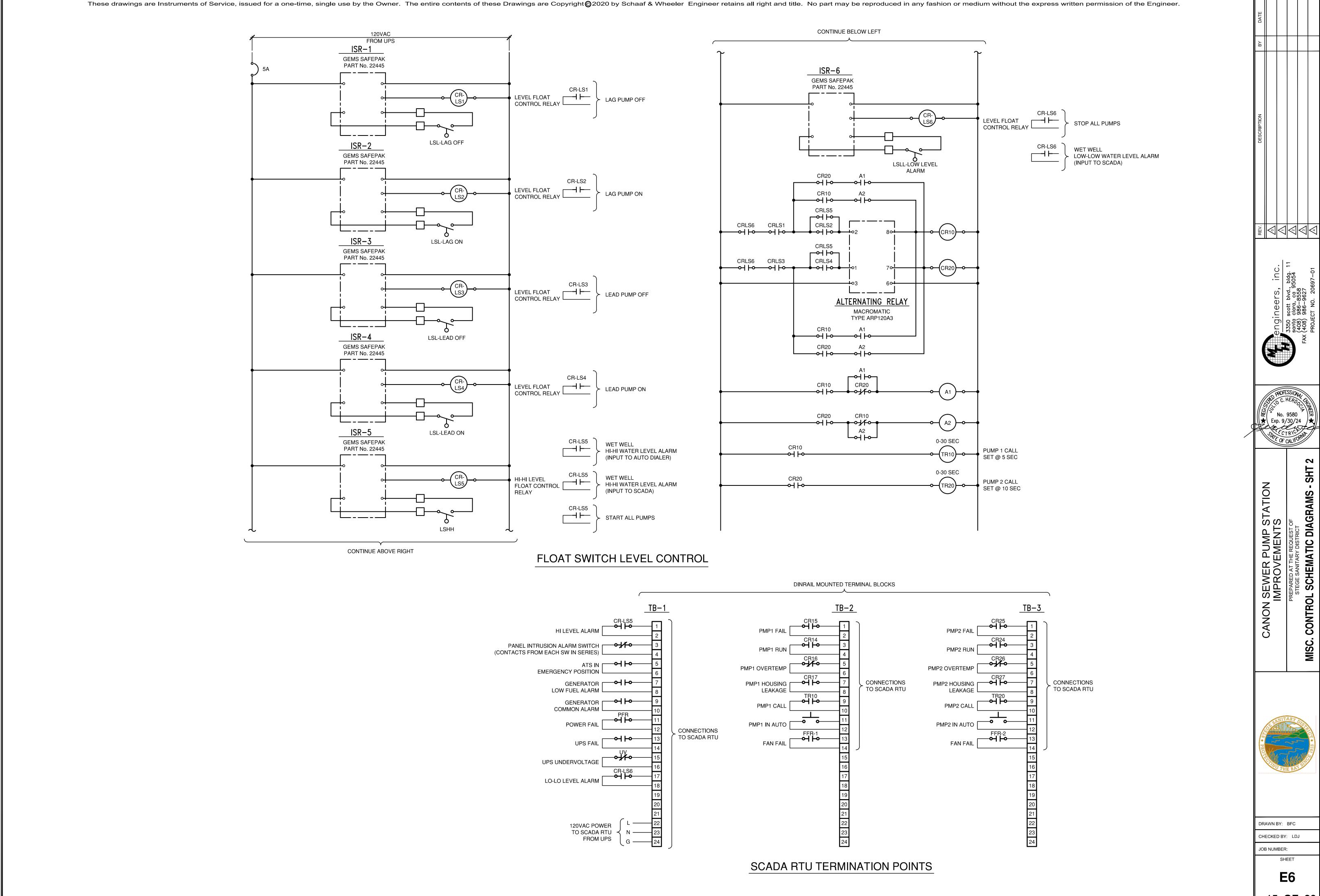
CANON SEWER PUMP STATION IMPROVEMENTS



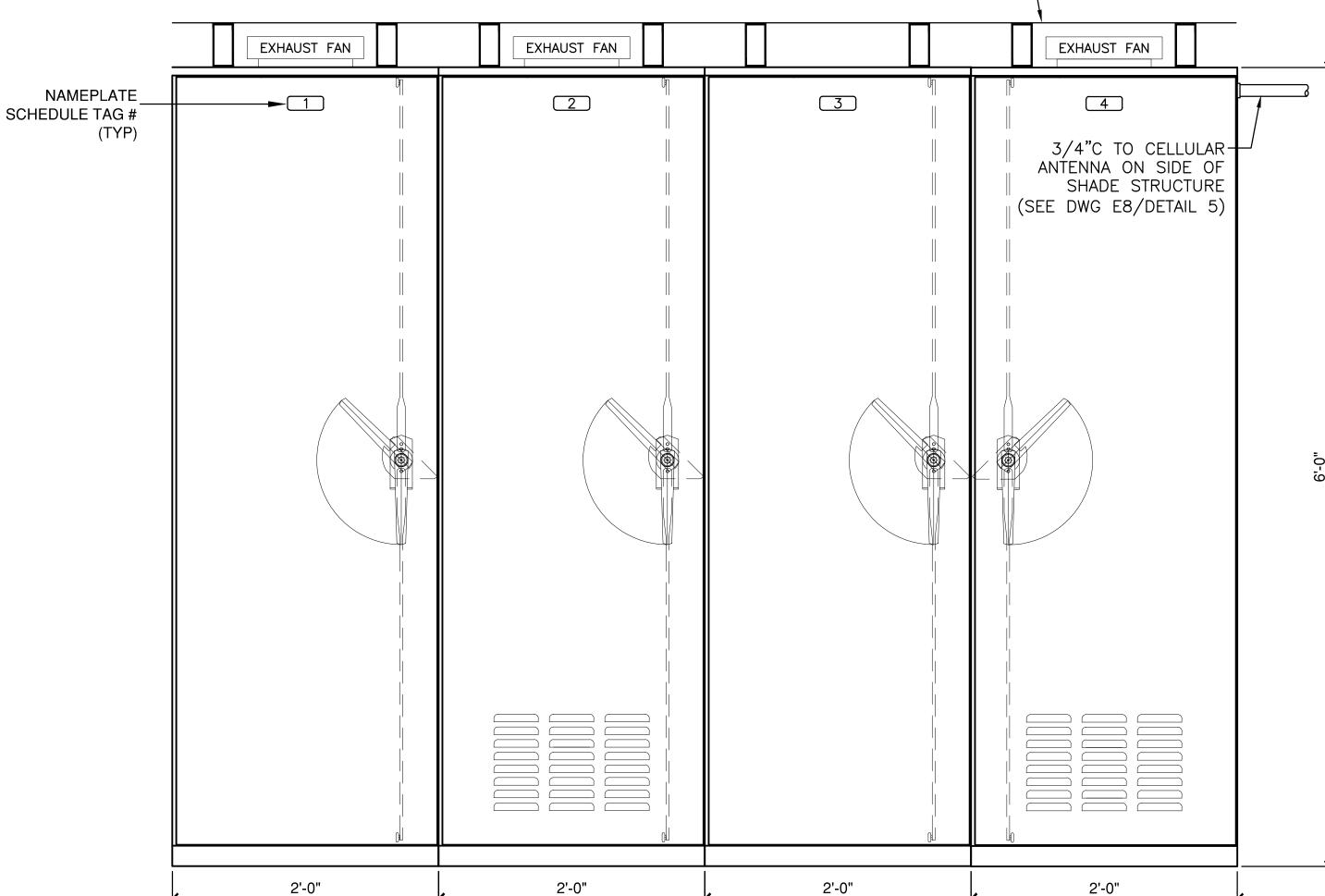
DRAWN BY: BFC CHECKED BY: LDJ

JOB NUMBER:

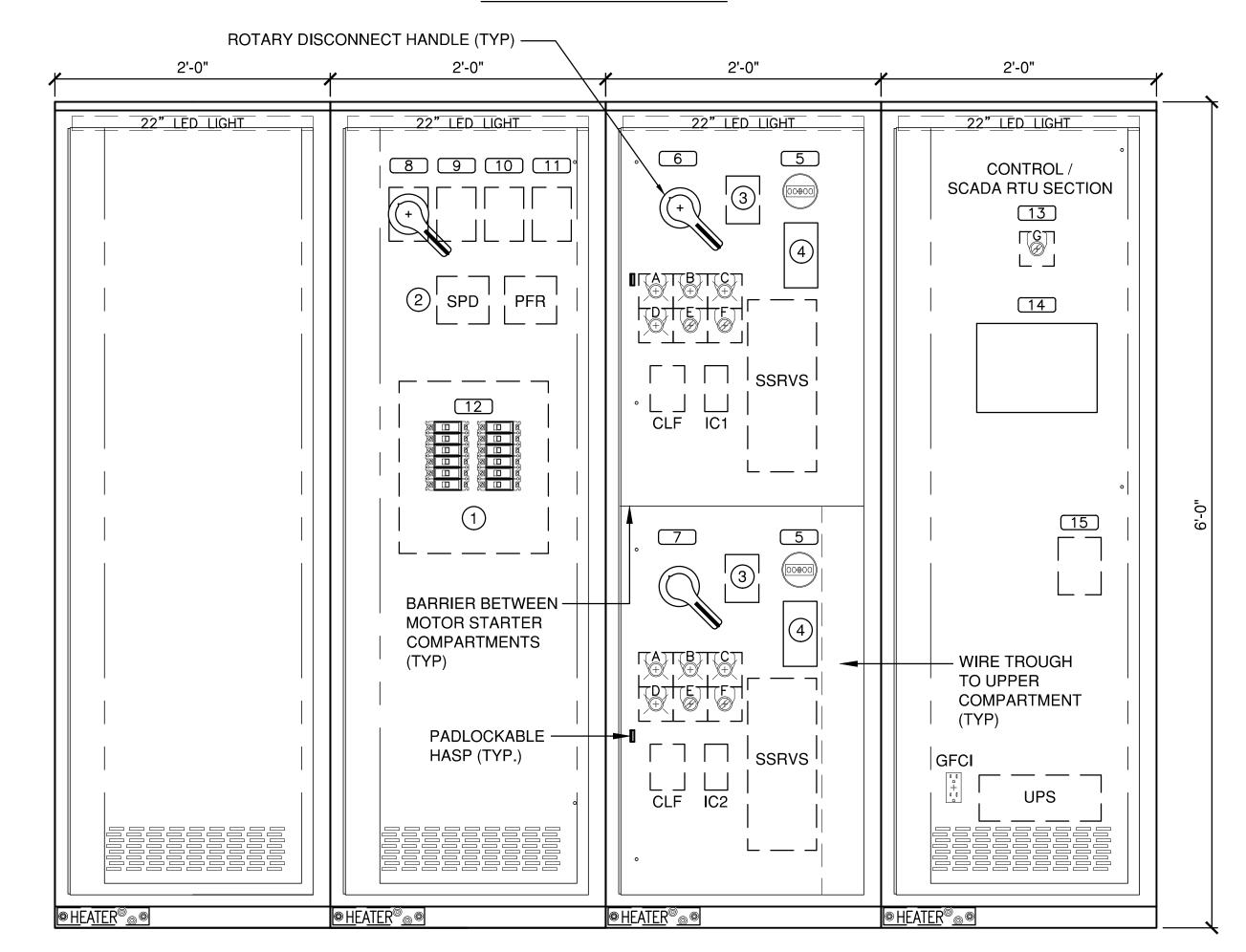
E5



plotted by robbie catris on 4/3/2023 1:54 PM, last saved by reatris on 4/3/2023 1:50 PM — filepath: m:\20697-01_canon pump station\01e6.dwg



PANEL ELEVATION



INNER DEADFRONT DOOR
(SHOWN WITH OUTER DOORS, SUNSHIELDS AND FANS REMOVED)

plotted by robbie catris on 4/3/2023 1:54 PM, last saved by roatris on 4/3/2023 1:50 PM - filepath: m:\20697-01_canon pump station\01e7.dwg

			NAI	MEPLATE SCHEDULE
	TAG#	QTY	TYPE	INSCRIPTION
	1	1	PLATE	FUTURE ATS
	2	1	PLATE	MAIN BKR PANELBOARD
	3	1	PLATE	PUMP STARTERS SECTION
$\langle 1 \rangle$	4	1	PLATE	CONTROLS AND SCADA EQUIPMENT
	5	2	PLATE	PUMP ELAPSED TIME METER
	6	1	PLATE	PUMP NO. 1 DISCONNECT
	7	1	PLATE	PUMP NO. 2 DISCONNECT
2	8	1	PLATE	MAIN BREAKER
2	9	1	PLATE	BKR / SPD
2	10	1	PLATE	BKR / PFR
	11	1	PLATE	BKR / PANEL "A"
	12	1	PLATE	PANEL "A"
	13	1	PLATE	CONTROL POWER SELECTOR SWITCH
	14	1	PLATE	SCADA RTU
	15	1	PLATE	AUTO DIALER
	Α	1	PLATE	PUMP RUNNING
	В	1	RING	PUMP FAILURE
	С	1	RING	MOTOR HI MOISTURE
	D	1	RING	MOTOR HI TEMP
	E	1	RING	HAND - OFF - AUTO
	F	1	RING	SEAL LEAK RESET
	G	1	RING	UTILITY UPS
1	<u></u>		^^// UTF I	

1 RED W/WHITE LETTERS

POLY-PORC COATING SYSTEM

SHALL INCLUDE A FIVE STAGE DIP TANK METAL PREPARATION PROCESS:

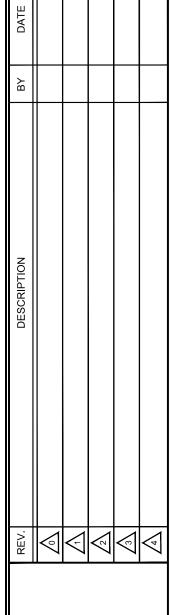
- 1. ALKALINE CLEANER 160°F.
- 2. CLEAR WATER RINSE.
- 3. IRON PHOSPHATE APPLICATION 150°F.
- 4. CLEAR WATER RINSE.
- 5. INHIBITIVE RINSE TO SEAL PHOSPHATED SURFACES 120°F FINISHED WITH AN ELECTROSTATICALLY APPLIED DRY POLYESTER POWDER COATING THEN BAKED 380°F TO CURE.

ENCLOSURE CONSTRUCTION NOTES

- 1. EXTERIOR 12 GA. H.D. GALV. STEEL AND INTERIOR 14 GA. COLD ROLLED STEEL ELECTRICALLY WELDED AND REINFORCED WHERE REQUIRED.
- 2. NEMA 3R CONSTRUCTION.
- 3. ALL NUTS, BOLTS, SCREWS AND HINGES SHALL BE STAINLESS STEEL.
- 4. NUTS, BOLTS & SCREWS SHALL NOT BE VISIBLE FROM OUTSIDE OF ENCLOSURE.
- 5. PLASTIC NAMEPLATES SHALL BE PROVIDED AS REQUIRED.
- 6. CONTROL WIRING SHALL BE MARKED AT BOTH ENDS BY PERMANENT WIRE MARKERS.
- 7. A PLASTIC COVERED WIRING DIAGRAM SHALL BE ATTACHED TO THE INSIDE OF THE FRONT DOOR.
- 8. ENCLOSURE SHALL BE FACTORY WIRED AND CONFORM TO REQUIRED NEMA STANDARDS.
- 9. COLOR SHALL BE AS SELECTED BY DISTRICT.
- 10. ENCLOSURE SHALL BE 20" DEEP.

SHEET NOTES:

- 1 REFER TO PANEL SCHEDULE FOR DEVICE CIRCUIT NUMBERS (FANS, RECEPTACLES, METERS AND LIGHTS)
- 2 DEVICES INSTALLED BEHIND INNER DEADFRONT.
- 3 MINICAS (FURNISHED BY PUMP MFR) INSTALLED BEHIND INNER DOOR
- 4) SSRVS HIM INTERFACE REMOTE MOUNT ON DOOR.







CANON SEWER PUMP STATION IMPROVEMENTS

PREPARED AT THE REQUEST OF STEGE SANITARY DISTRICT

CONTROL PANEL ELEVATION

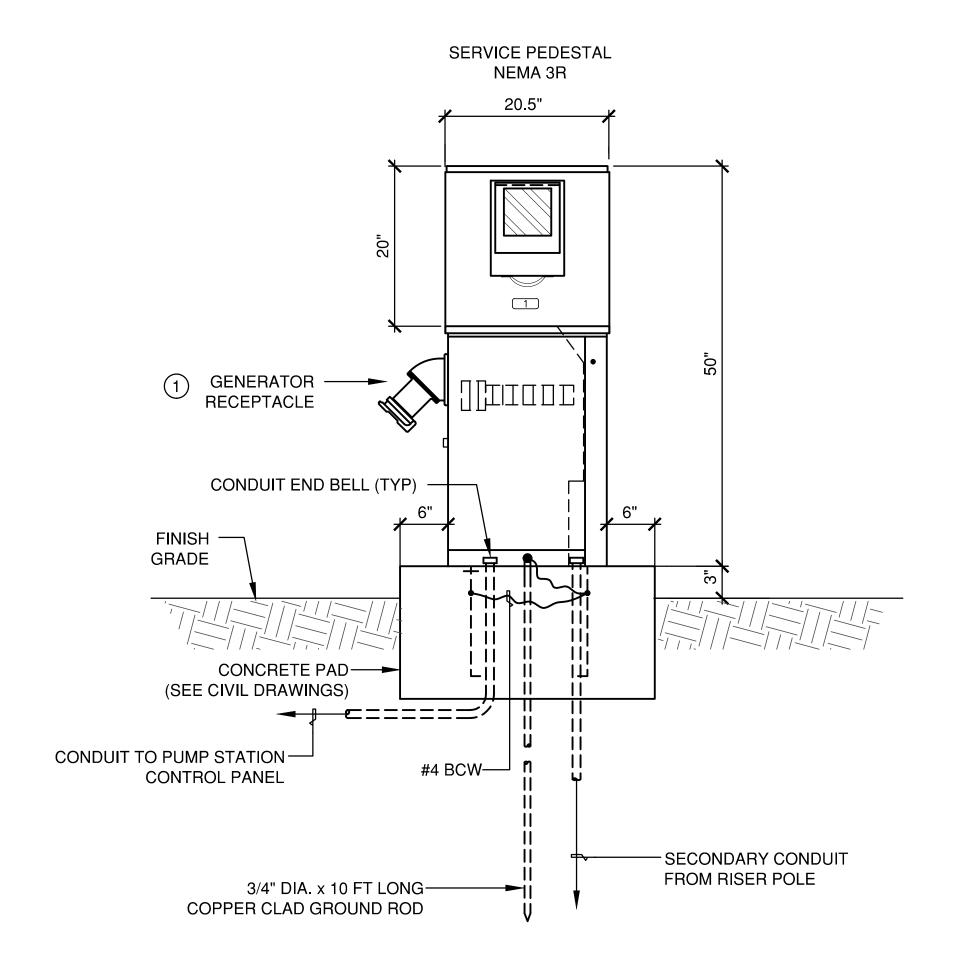


DRAWN BY: BFC

JOB NUMBER:

E7

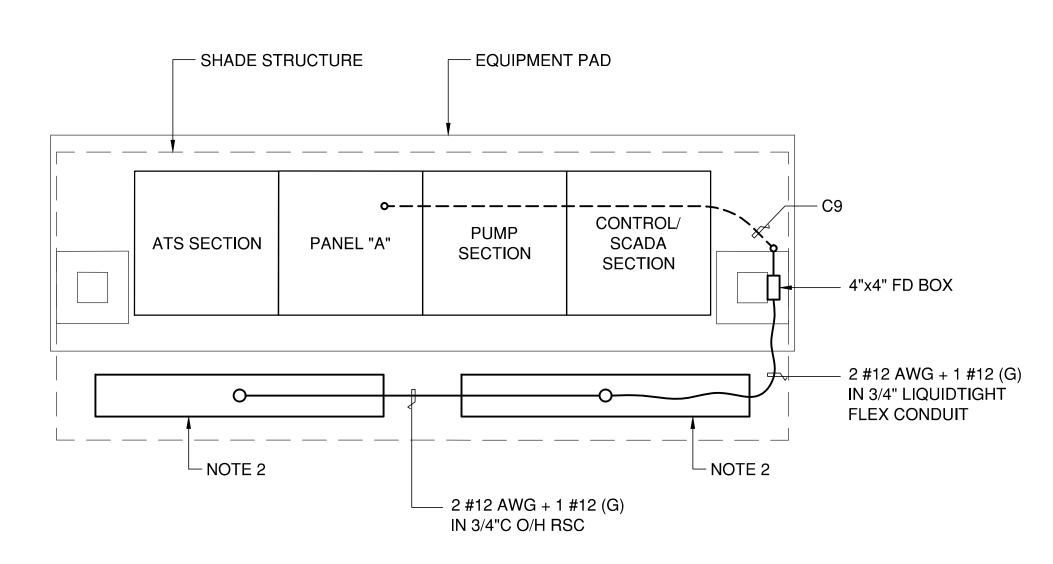
SHEET



SERVICE PEDESTAL DETAIL

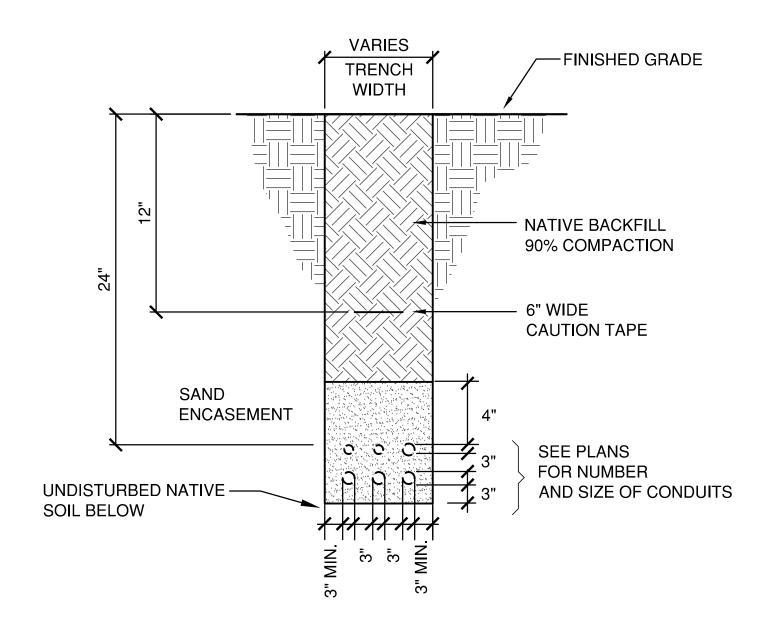
NOTE 1: RAB FLOOD LIGHT, 120V, 39W, OUTDOOR RATED, BRONZE COLOR, 4000K COLOR TEMPERATURE, DLIPFITTER MOUNTING, CAT. NO. FFLED-39-SF-N. PROVIDE WITH 90 DEGREE, BRONZE COLOR BRACKET TO BE BOLTED TO CANOPY ROOF FRAME.

NOTE 2: METALUX VAPORTITE LED, CAT. #4VT3-LD5-4-W-UNV-L835-SSLTP-U



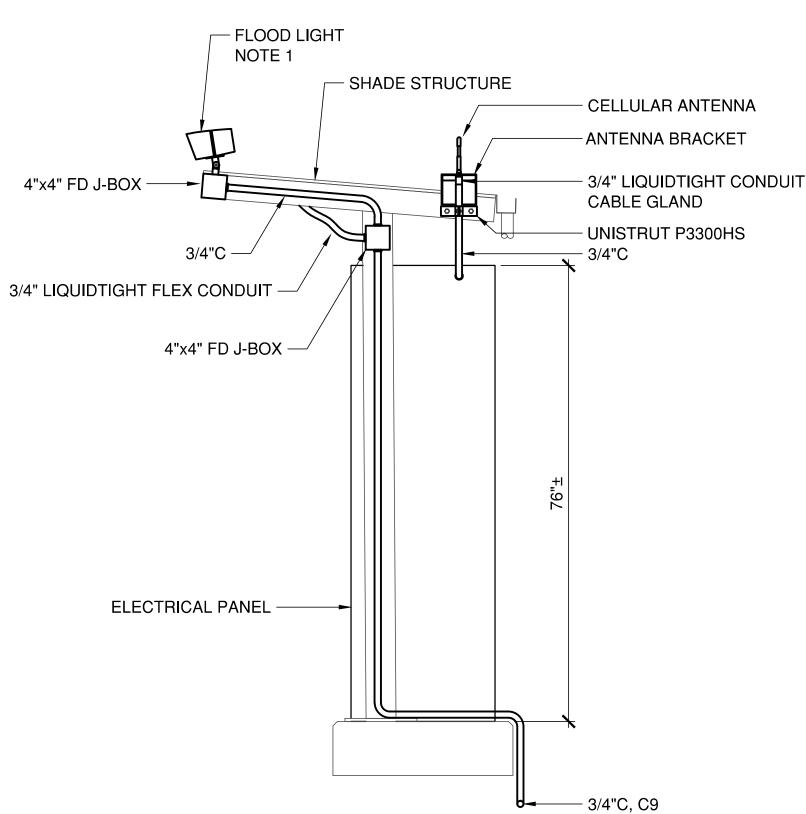
6 SHADE STRUCTURE LIGHTING

SCALE: 3/4" = 1'-0"



TYPICAL UNDERGROUND CONDUIT DETAIL

SCALE: NTS (UNPAVED AREAS)

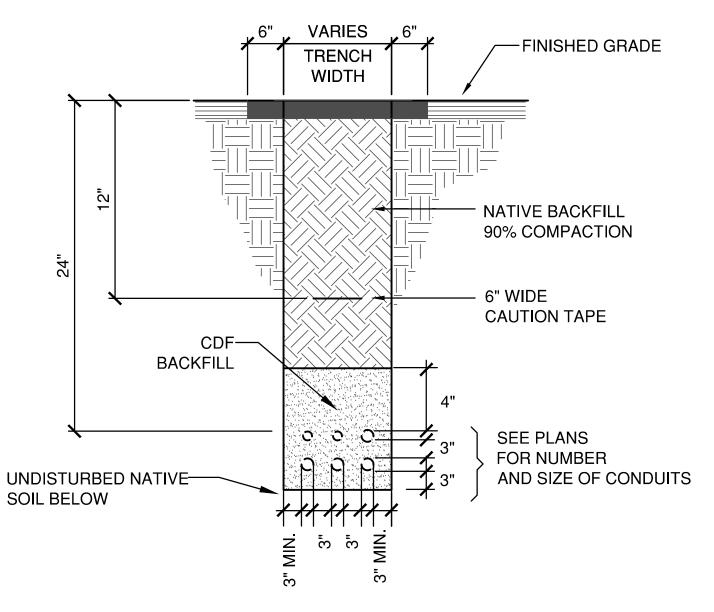


5 SITE LIGHTING AT SHADE STRUCTURE

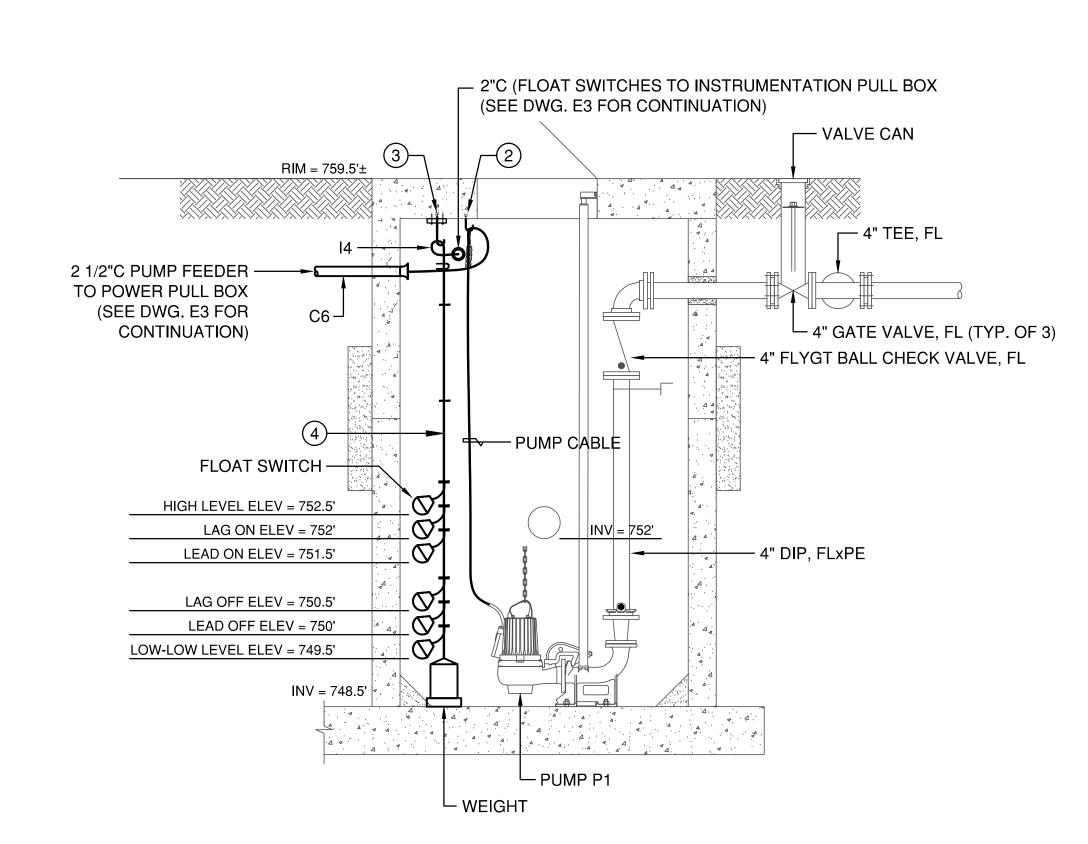
SCALE: 3/4" = 1'-0"

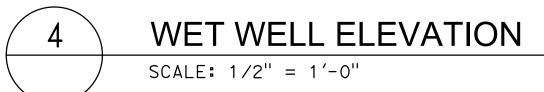
SHEET NOTES:

- 1 GENERATOR RECEPTACLE, 600 VAC, 100A, PIN AND SLEEVE, REVERSE FEED 4W, 4P, STYLE 1 "APPLETON" CAT. #ADR1044RS. WITH ANGLE ADAPTER CAT. #AJA100 AND PLUG CAT. #ACP1044CD.
- 2 STAINLESS STEEL HOOK, STAINLESS STEEL CHANNEL, STAINLESS STEEL ANCHOR BOLTS, AND STAINLESS STEEL CABLE GRIP.
- 3 STAINLESS STEEL HOOK, STAINLESS STEEL CHANNEL, STAINLESS STEEL ANCHOR BOLTS, AND STAINLESS STEEL CABLE GRIP, STAINLESS STEEL THIMBLE, STAINLESS STEEL CABLE CLAMPS, AND PVC COATED 15-POUND WEIGHT.
- 4 1/4" DIA. STAINLESS STEEL CABLE WITH FLOAT SWITCH CABLES TIE-WRAPPED WITH HEAVY PLASTIC TIE AT EVERY 2 FT.









PROFESSIONAL No. 9580 Exp. 9/30/24

ATE OF CALIFORNIA

ANON SEWER PUMP STATION IMPROVEMENTS

PREPARED AT THE REQUEST OF STEGE SANITARY DISTRICT

ELECTRICAL DETAILS - SHEET 1



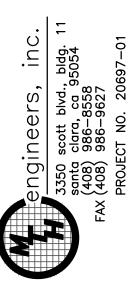
DRAWN BY: BFC
CHECKED BY: LDJ

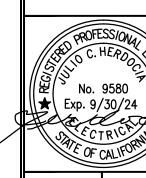
JOB NUMBER:

E8 17 **OF 20**

		CC	NDUIT	AND	CIRCUIT	SCHE	DULE			
RACEWAY	DATA					CABLE D	DATA			
DESIGNATION	FROM	то	TYPE	SIZE	TYPE	QTY	SIZE	GND	VOLTS	NOTES
C1	PG&E RISER POLE	PULLBOX	PVC	4"	-	_	-	-	_	SERVICE CONDUCTORS BY PG&E
C1A	PULLBOX	SERVICE PEDESTAL	PVC	3"	-	-	-	-	-	SERVICE CONDUCTORS BY PG&E
C2	SERVICE PEDESTAL	CONTROL PANEL / ATS SECTION	PVC	2"	XHHW-2	4	#1/0	#6	600	UTILITY POWER
C3	GENERATOR	CONTROL PANEL / ATS SECTION	PVC/ RSC	2"	XHHW-2	4	#2	#8	600	EMERGENCY POWER (BID ALTERNATE)
C4	CNTL PNL / PUMP P-1 STARTER	PB #E1	PVC/ RSC	1"	XHHW-2	3	#10	#12	600	PUMP P-1 POWER
C5	CNTL PNL / PUMP P-2 STARTER	PB #E1	PVC/ RSC	1"	XHHW-2	3	#10	#12	600	PUMP P-2 POWER
C6	PB #E1	PUMP P-1	PVC	2 1/2"		1	MFR SUPPLIED			PUMP P-1 POWER AND MONITORING
C7	PB #E1	PUMP P-2	PVC	2 1/2"		1	CABLE MFR SUPPLIED			PUMP P-2 POWER AND MONITORING
	CONTROL DANIEL (DANIEL HAN	OFMEDITOR	DVO	4.11	V(10 A / 0		CABLE	"40	000	LAGUET WATER UEATER
C8	CONTROL PANEL / PANEL "A"	GENERATOR	PVC/ RSC	1"	XHHW-2	2	#10	#10	600	JACKET WATER HEATER
	0007700 5	0.4110.777.0.777.777				2	#10		600	BATTERY CHARGER
C9	CONTROL PANEL / PANEL "A"	CANOPY COLUMN	PVC/ RSC	3/4"	XHHW-2	2	#10	#12	600	OUTDOOR LIGHT
									1	
			1	-						
	<u>I</u>	<u> </u>		1	L		1	1		I

		CO	DNDUIT	AND (CIRCUIT	SCHE	DULE			
RACEWAY	DATA					CABLE D	ATA			
DESIGNATION	FROM	то	TYPE	SIZE	TYPE	QTY	SIZE	GND	VOLTS	NOTES
I1	CNTL PNL / PUMP P-1 STARTER	PB #E1	PVC/ RSC	1"	XHHW-2	2	#14	#14	600	PUMP P-1 MONITORING
l2	CNTL PNL / PUMP P-2 STARTER	PB #E1	PVC/ RSC	1"	XHHW-2	2	#14	#14	600	PUMP P-2 MONITORING
13	CNTL PNL / SCADA SECTION	PB #I1	PVC/ RSC	2"	-	6	MFR SUPPLIED CABLE			FLOAT LEVEL SWITCHES
14	PB #I1	FLOAT SWITCHES	PVC	2"	-	6	MFR SUPPLIED CABLE			FLOAT LEVEL SWITCHES
15	CONTROL PANEL / ATS SECTION	GENERATOR	PVC/ RSC	1"	XHHW-2	2	#14	#14	600	GENERATOR START SIGNAL
l6	CONTROL PANEL / ATS SECTION	GENERATOR	PVC/ RSC	1"	XHHW-2	16	#14	#14	600	GENERATOR ALARM
T1	PG&E RISER POLE	TEL PULL BOX	PVC	3"						TEL CABLE BY AT&T
	TEL PULL BOX	CONTROL PANEL/	PVC	3"						TEL CABLE BY AT&T
		CONTROL SECTION								



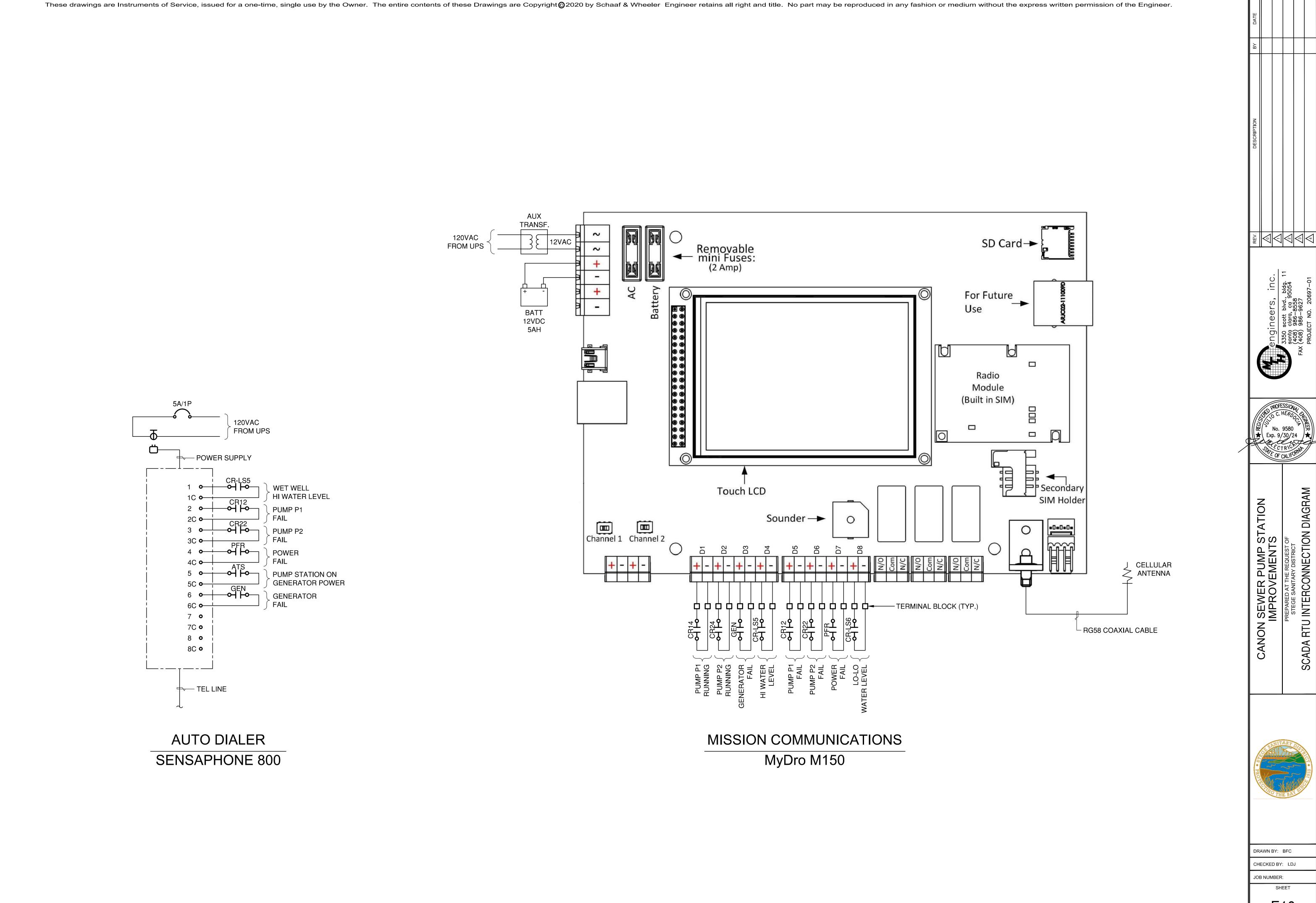


CANON SEWER PUMP STATION IMPROVEMENTS



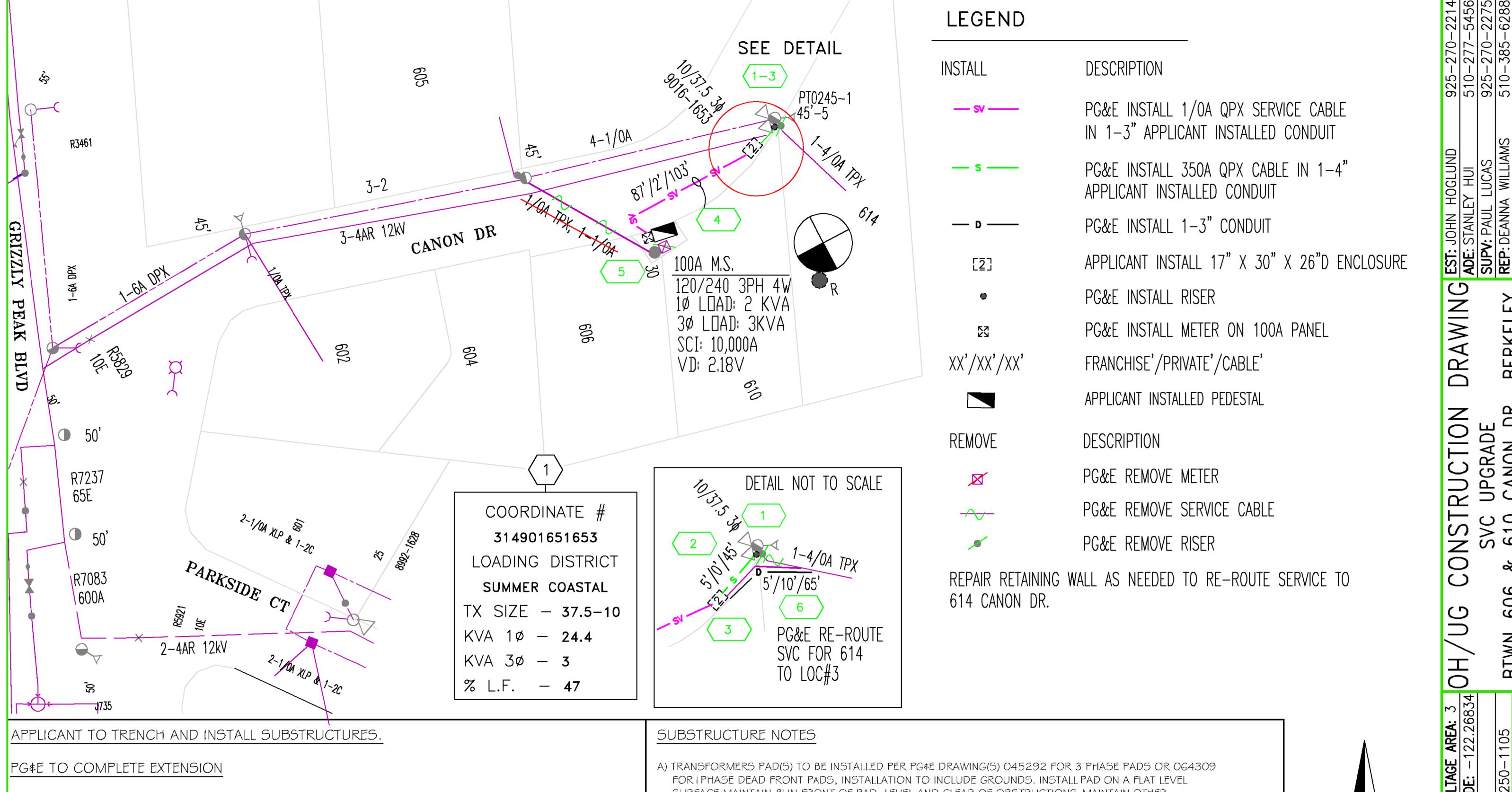
DRAWN BY: BFC CHECKED BY: LDJ

JOB NUMBER:



plotted by robbie catris on 4/3/2023 1:55 PM, last saved by roatris on 4/3/2023 1:50 PM - filepath: m:\20697-01_canon pump station\01e10.dwg

E10



UNDERGROUND SERVICE ALERT

TO AVOID CONTACT AND LIABILITY WITH UNKNOWN UNDERGROUND UTILITIES CONTACT USA @ (800) 227-2600 48 HR IN ADVANCE OF TRENCHING.

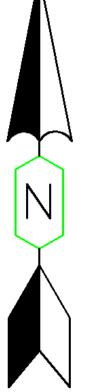
WHEN TRENCHING WITHIN 5' OF KNOWN ENERGIZED ELECTRIC FACILITIES CONTACT PG&E INSPECTOR 48HRS. IN ADVANCE TO MAKE STANDBY ARRANGEMENTS.

DEVELOPERS/CONTRACTORS PLEASE NOTE:

CONTACT THE UNDERGROUND INSPECTOR DEPARTMENT (510-437-2100) A MINIMUM OF 48HRS. PRIOR TO BEGINNING SUBSTRUCTURE WORK. WORK NOT PROPERLY INSPECTED WILL BE REJECTED.

FOR PG&E GREENBOOK INFORMATION ONLINE GO TO WWW.PGE.COM/GREENBOOK

- SURFACE MAINTAIN 8' IN FRONT OF PAD. LEVEL AND CLEAR OF OBSTRUCTIONS MAINTAIN OTHER CLEARANCES AS REQUIRED PER PG E DRAWING 05 | 122
- B) BARRIER POSTS TO BE INSTALLED PER PG E DRAWING 05 | 122 E PG E UG INSPECTOR'S INSTRUCTIONS. IF NECESSARY
- C) PRIMARY SPLICE BOXES, PRIMARY EQUIPMENT ENCLOSURES AND TX ENCLOSURES TO BE INSTALLED PER PG\$E DRAWING 062000. MAINTAIN OTHER CLEARANCE AS REQUIRED PER PG\$E DRAWING 051122
- D) SECONDARY SPLICE BOXES AND PEDESTALS TO BE INSTALLED PER PG E DRAWING 028028
- E) CONDUIT TO BE INSTALLED FER PG E DRAWING 062288. USE A MINIMUN 3' RADIUS HORIZONTAL # 2' RADIUS VERTICAL BENDS ON 3" CONDUITS. USE A MINIMUM 5' RADIUS HORIZONTAL \$ 3' RADIUS VERTICAL BENDS ON 4"\$ 5" CONDUITS. BELL ENDS OR DUCT TERMINATORS ARE TO BE UTILIZED ON ALL CONDUIT THAT TERMINATED IN A PRIMARY ENCLOSURE. TEMPORARY END CAPS ARE TO BE INSTALLED ON ALL CONDUITS.



PRIMARY VOLTAGE: 12 KV	kV VOLTAGE AREA: 3	
LATITUDE : 37.90519 LONGITUDE : -122.26834	TUDE: -122.26834	
SOURCE SIDE DEVICE: R5829		
SUB & CIRCUIT: EL CERRITO G 250-1105	G 250-1105	
DSGN SAG:SSU	RAPTOR ZONE: N	
LOADING AREA: LIGHT	ARRESTER DIST: 3	
CORROSION AREA: MODERATE INSULATION DIST: AA	INSULATION DIST: AA	
EXEMPT EQUIP.INST.: N/A	FIRE AREA: LRA	

SVC 610

 \approx

909

, dig