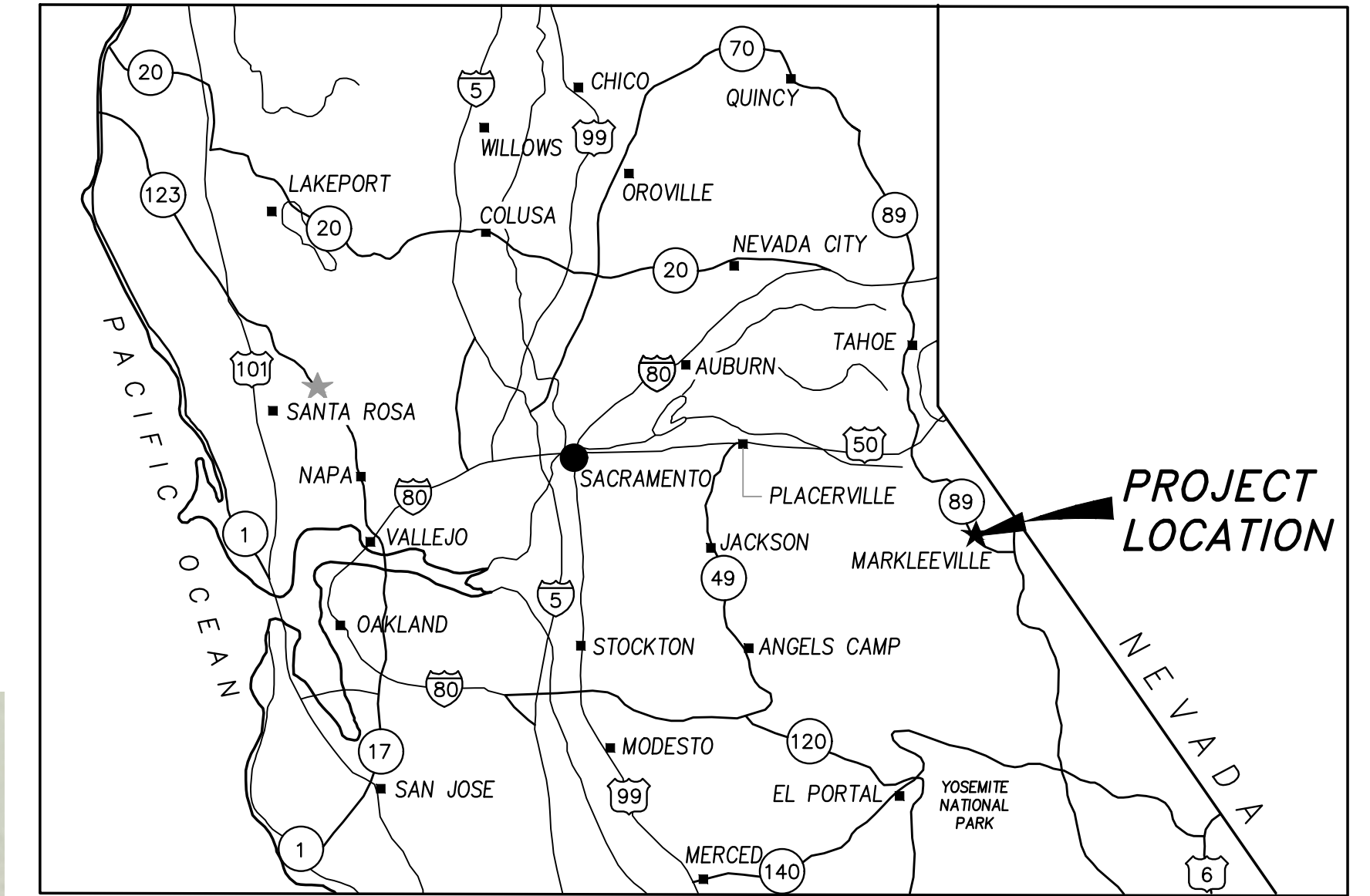


SHEET LIST TABLE

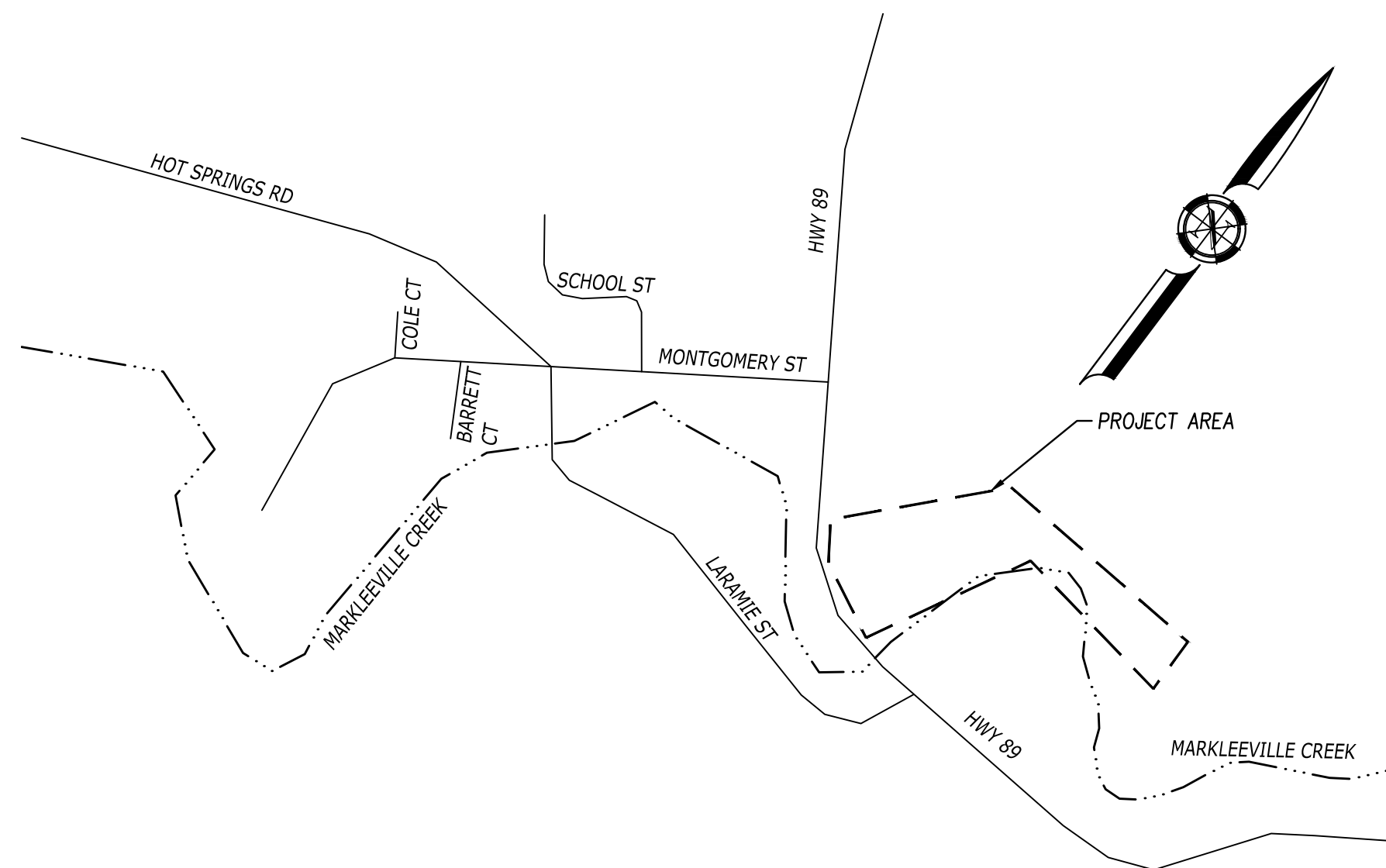
SHT NO.	DWG NO.	SHEET TITLE
1	G-1	TITLE SHEET
2	G-2	GENERAL NOTES
3	G-3	SURVEY CONTROL, BYPASS AND STAGING, AND EROSION CONTROL
4	C-1	SITE PLAN
5	C-2	SITE PLAN – PUMP STATION
6	C-3	GRADING PLAN
7	C-4	GRADING SECTIONS
8	C-5	PLAN & PROFILE – "X1" LINE
9	C-6	PLAN & PROFILE – "L1" LINE
10	C-7	PLAN & PROFILE – "L1" LINE
11	C-8	PUMP STATION DETAILS
12	C-9	DETAILS
13	GE-1	ELECTRICAL ABBREVIATIONS AND SYMBOLS
14	GE-2	ELECTRICAL DETAILS – SHEET 1 OF 2
15	GE-3	ELECTRICAL DETAILS – SHEET 2 OF 2
16	E-1	ELECTRICAL SINGLE LINE DIAGRAM, LOAD CALCULATION
17	E-2	ELECTRICAL SITE PLAN
18	E-3	ELECTRICAL MISCELLANEOUS SCHEMATICS – SHEET 1 OF 2
19	E-4	ELECTRICAL MISCELLANEOUS SCHEMATICS – SHEET 2 OF 2
20	E-5	ELECTRICAL CONTROL PANEL ELEVATIONS

MARKLEEVILLE PUBLIC UTILITY DISTRICT SEWER PUMP STATION RELOCATION PROJECT

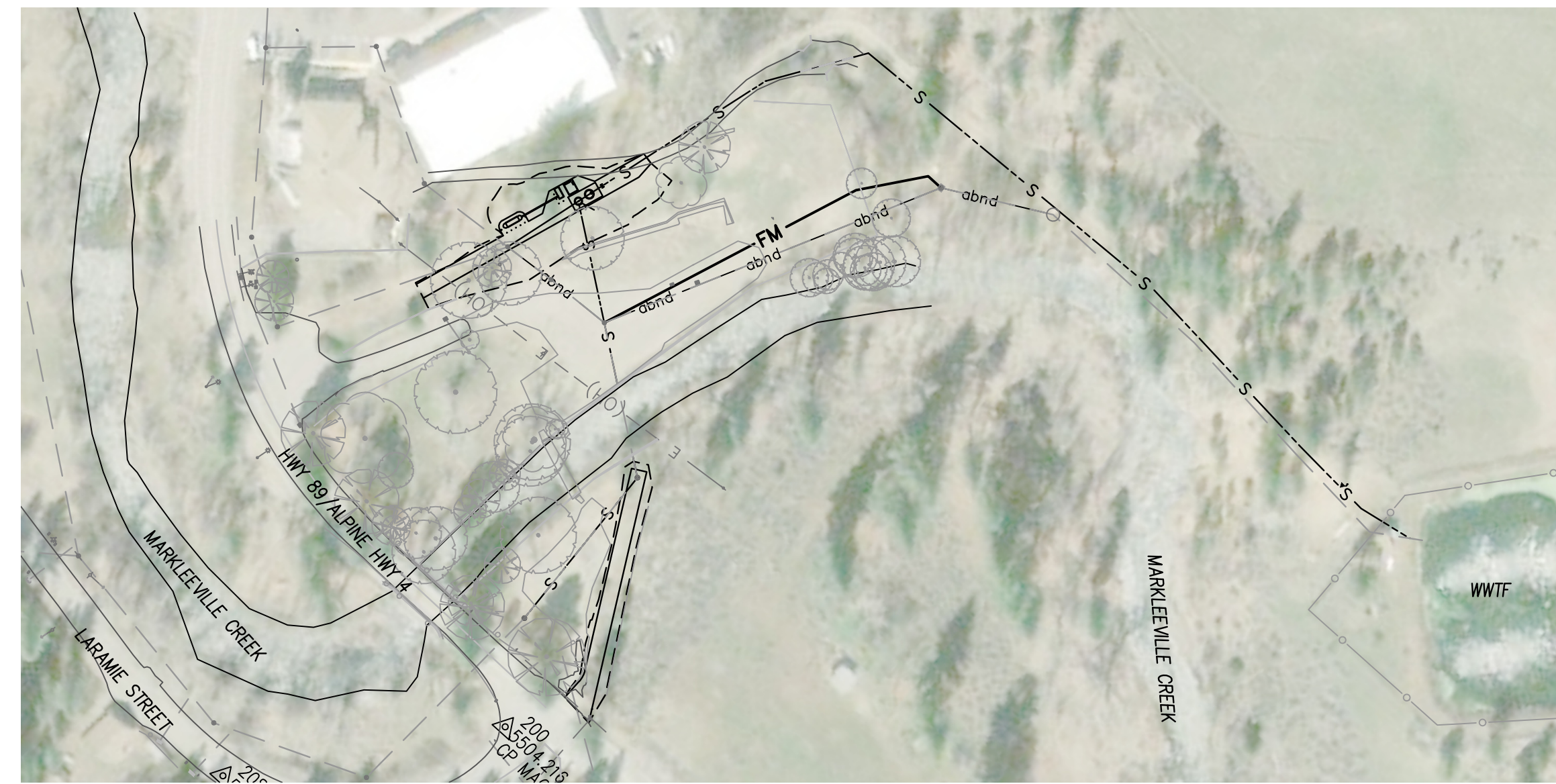
NORTH OF THE LARAMIE ST AND HIGHWAY 89 INTERSECTION,
FROM THE HIGHWAY TO THE WWTF



LOCATION MAP
SCALE: NTS



VICINITY MAP
SCALE: NTS



PROJECT AREA
SCALE: NTS

SUBMITTED BY:



DAVE HARDEN
DAVE HARDEN, PE
MPUD CONTRACT CITY ENGINEER
PE 84216

09/16/2024

DATE

MARKLEEVILLE PUBLIC UTILITY DISTRICT

APPROVED:

DAVID HARDEN
DAVID HARDEN, P.E.
CONTRACTED DISTRICT ENGINEER

09/16/2024

DATE

S. LLOYD VAN DOREN, PE
GENERAL MANAGER
PE CA 72432

DATE



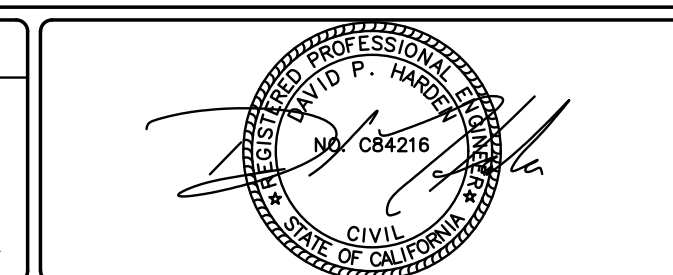
UTILITY REPRESENTATIVES			
CONTACT	UTILITY	COMPANY	PHONE
LLOYD VAN DOREN	SEWER	MPUD	775-781-9509
JOANNE OEHLERKING	WATER	MARKLEEVILLE WATER COMPANY	530-694-1879

NO.	REVISIONS	BY	DATE

BENCH MARK ELEV: 5505.20 DATUM: NAVD88
DESCRIPTION: NGS BENCHMARK JR0557 BEING A STANDARD BRASS DISC STAMPED H194 1934 SET IN THE WEST END OF THE NORTHWEST WING-WALL OF BRIDGE 1302 OVER MARKLEEVILLE CREEK ON STATE HIGHWAY 4 LOCATED ON THE SOUTH-SIDE OF MRKLEEVILLE

DESIGN BY: G. RODELL
DRAWN BY: A. HOLLADAY
CHECKED BY: D. HARDEN
SCALE: N/A
DATE: 9/19/2024
PROJ NO.: 14202-200

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 = 1" SCALE
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.



BEN EN
TRUSTED ENGINEERING ADVISORS

Bennett Engineering Services
1082 Sunrise Avenue, Suite 100
Roseville, California 95661
T 916.783.4100
F 916.783.4110

MARKLEEVILLE PUBLIC UTILITY DISTRICT PUMP STATION RELOCATION PROJECT	
TITLE SHEET	
MARKLEEVILLE PUBLIC UTILITY DISTRICT CALIFORNIA	

G-1
1 OF 20

Login Name: lharden 19_2024 - 10:48 am: Proj Style: ##
 File Name: C:\Users\lharden\Documents\Projects\14202-200-MPUD-Sewer Pump Station Relocation\03-PLANS\MASTERS\14202-200_01_G-1_TITLE_SHEET.dwg
 XREFS: 14202-200_XR-TITLE | 14202-200_XR-TOPIC | 14202-200_XR-UTL | 14202-200_XR-DR | 14202-200_XR-PLAN | 14202-200_XR-SECTION | 14202-200_XR-SECTION | 14202-200_XR-SECTION

GENERAL NOTES:

- CONTRACTOR AGREES TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD THE DISTRICT, BENNETT ENGINEERING SERVICES AND ITS REPRESENTATIVES HARMLESS FROM ANY AND ALL LIABILITY, REAL AND/OR ALLEGED, IN CONJUNCTION WITH THE PERFORMANCE OF THIS PROJECT.
- STRUCTURAL COMPONENTS OF THIS SYSTEM MUST COMPLY WITH THE LATEST EDITION OF THE CALIFORNIA BUILDING CODE.
- CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY AND ALL DAMAGES TO EXISTING STRUCTURES, ROADS, AND UTILITIES DURING CONSTRUCTION.
- REGARDING ORDER OF WORK, SPECIAL ATTENTION IS DIRECTED TO THE SUPPLEMENTAL CONDITIONS IN THE SPECIFICATIONS.
- A SET OF SIGNED WORKING DRAWINGS AND A SET OF SPECIFICATIONS WILL BE KEPT AT ALL TIMES AT THE JOB SITE ON WHICH ALL CHANGES OR VARIATIONS IN THE WORK, INCLUDING ALL EXISTING UTILITIES, ARE TO BE RECORDED AND/OR CORRECTED DAILY AND SUBMITTED TO THE ENGINEER WHEN THE WORK TO BE DONE IS COMPLETED.
- CONTRACTOR SHALL PROVIDE AND MAINTAIN SUFFICIENT TEMPORARY BARRIERS TO PROVIDE FOR THE SAFETY OF THE STAFF WORKERS AND PUBLIC TO THE SATISFACTION OF THE ENGINEER AND THE DISTRICT.
- ALL MATERIALS SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR UNLESS NOTED OTHERWISE.
- CONTRACTOR SHALL COOPERATE WITH ALL DISTRICT STAFF, IF REQUIRED, TO FACILITATE MAKING AREAS READY FOR WORK.
- CONTRACTOR SHALL NOTIFY THE DISTRICT SUPERVISOR AT LEAST 72 HOURS IN ADVANCE OF COMMENCEMENT OF ANY PART OF THE WORK.
- CONTRACTOR SHALL COORDINATE CONSTRUCTION SCHEDULE WITH ENGINEER.
- CONTRACTOR IS RESPONSIBLE FOR PROCURING AND PAYING FOR ANY AND ALL NECESSARY PERMITS, INCLUDING BUT NOT LIMITED TO BUILDING, ENCROACHMENT AND OR TRANSPORTATION PERMITS.
- ALL UTILITIES SHOWN ARE APPROXIMATE AND WERE TAKEN FROM AVAILABLE AS-BUILTS. NOTIFY UNDERGROUND SERVICES ALERT A MINIMUM OF 48 HOURS PRIOR TO ANY GRADING OR EXCAVATION WITHIN THE SITE AT 1-800-642-2444.
- PROPANE TANK RELOCATION WILL BE COMPLETED BY THE OWNER'S REPRESENTATIVE.

GRADING:

- GRADING SHALL CONFORM TO PROJECT DRAWINGS AND SPECIFICATIONS, UBC APPENDIX CHAPTER 33 (LATEST EDITION), AND TO THE RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEERING REPORT.
- GRADING CONFORMS TO EXISTING ARE APPROXIMATE DUE TO FUTURE FLOODPLAIN RESTORATION PROJECT.
- NON-POTABLE WATER SHALL BE SPRAYED ON ALL EXPOSED EARTH SURFACES DURING CLEARING, GRADING, EARTH MOVING, AND OTHER SITE PREPARATION ACTIVITIES. THE EXPOSED EARTH SHALL BE WATERED TWO TIMES PER DAY TO MINIMIZE DUST.
- THE DISTRICT SHALL HAVE THE AUTHORITY TO STOP ALL GRADING OPERATIONS, IF, IN OPINION OF DISTRICT STAFF, INADEQUATE DUST CONTROL MEASURES ARE BEING PRACTICED OR EXCESSIVE WIND CONDITIONS CONTRIBUTE TO FUGITIVE DUST EMISSIONS.
- SHOULD GRADING OPERATIONS UNCOVER HAZARDOUS MATERIALS, OR WHAT APPEARS TO BE HAZARDOUS MATERIALS, THE FIRE DEPARTMENT SHALL BE CONTACTED IMMEDIATELY AT (530) 694-2223. THE AREA, WHICH CONTAINS THE HAZARDOUS MATERIALS, SHALL BE MARKED OFF UNTIL AN INVESTIGATION BY A MEMBER OF THE FIRE DEPARTMENT IS CONDUCTED.
- CONTAMINATED SOIL - CONTRACTOR AGREES TO PROPERLY ADHERE TO ALL THE CURRENT STATE AND FEDERAL REQUIREMENTS WHEN ANY EVIDENCE OF TOXIC, HAZARDOUS OR CONTAMINATED SOILS ARE ENCOUNTERED DURING ANY AND ALL EXCAVATION OR GRADING OPERATIONS.

EROSION & SEDIMENT CONTROL NOTES:

- CONTRACTOR IS REQUIRED TO PREPARE AND SUBMIT A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) FOR APPROVAL PRIOR TO ALL GROUND DISTURBING ACTIVITIES. ALL STORMWATER POLLUTION PREVENTION MEASURES, INCLUDING EROSION AND SEDIMENT CONTROL, SHALL BE IMPLEMENTED AS SPECIFIED IN THE CONTRACTOR PREPARED SWPPP. FOR THIS PROJECT OR AS DETERMINED BY THE DISTRICT. THE SWPPP IS CONSIDERED A DYNAMIC DOCUMENT AND WILL CHANGE AS CONDITIONS WARRANT. PERMANENT EROSION AND SEDIMENT CONTROL MEASURES WILL BE CONSTRUCTED AS SHOWN ON THE CONTRACTOR-PREPARED, DISTRICT-APPROVED STORMWATER POLLUTION PREVENTION PLAN.
- SUFFICIENT EROSION CONTROL SUPPLIES SHALL BE AVAILABLE ON-SITE AT ALL TIMES TO DEAL WITH AREAS SUSCEPTIBLE TO EROSION DURING RAIN EVENTS.
- THE CONTRACTOR SHALL MAKE ADEQUATE PREPARATIONS, INCLUDING TRAINING & EQUIPMENT, TO CONTAIN SPILLS OF OIL AND OTHER HAZARDOUS MATERIALS.
- ACTIVITIES SUCH AS VEHICLE WASHING ARE TO BE CARRIED OUT AT AN OFF-SITE FACILITY WHEREIN THE WATER IS DISCHARGED INTO A SANITARY SEWER.
- SEDIMENT CONTROL MEASURE SHALL BE PROPERLY MAINTAINED BY THE CONTRACTOR.
- IF DISCREPANCIES OCCUR BETWEEN THESE NOTES, MATERIAL REFERENCED HEREIN OR MANUFACTURER'S RECOMMENDATIONS, THEN THE MOST PROTECTIVE SHALL APPLY.
- PRESERVATION OF EXISTING VEGETATION SHALL OCCUR TO THE MAXIMUM EXTENT PRACTICABLE.
- EROSION PREVENTION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED BY THE CONTRACTOR BEFORE FORECASTED STORM EVENTS AND AFTER ACTUAL STORM EVENTS TO ENSURE MEASURES ARE FUNCTIONING PROPERLY. EROSION PREVENTION AND SEDIMENT CONTROL MEASURES THAT HAVE FAILED OR ARE NO LONGER EFFECTIVE SHALL BE PROMPTLY REPLACED. EROSION PREVENTION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED UNTIL DISTURBED AREAS ARE STABILIZED.
- CHANGES TO THE EROSION PREVENTION AND SEDIMENT CONTROL PLAN MAY BE MADE TO RESPOND TO FIELD CONDITIONS WITH APPROVAL BY THE DISTRICT.
- PRIOR TO FINAL ACCEPTANCE ALL AREAS OF THE SITE WILL BE VEGETATED OR PERMANENTLY STABILIZED AND ALL TEMPORARY SEDIMENT CONTROL MEASURES SHALL BE REMOVED.
- VISIBLE SEDIMENT TRACKING SHALL BE SWEEPED OR VACUUMED ON A MINIMUM DAILY BASIS PER CASQA BMP SE-7.

ABBREVIATIONS:

L	ANGLE	RFCA	RESTRAINED FLANGED COUPLING
AB	AGGREGATE BASE	ADAPTER	ADAPTER
ABND	ABANDON	R,R=	RADIUS
AC	ASPHALT CONCRETE	RT	RIGHT
AD	AREA DRAIN	R/W, ROW	RIGHT-OF-WAY
ALUM	ALUMINUM	S=	SLOPE
AP	ANGLE POINT	SCHED	SCHEDULE
APPROX	APPROXIMATE	SD	STORM DRAIN
ARV	AIR RELEASE VALVE	SDMH	STORM DRAIN MANHOLE
AVE	AVENUE	S/W,SW	SIDEWALK
BEG	BEGIN	SECT	SECTION
BF	BLIND FLANGE	SHT	SHEET
BFP	BACKFLOW PREVENTER	SPECS	SPECIFICATIONS
BFV	BUTTERFLY VALVE	SS	SANITARY SEWER
BL	BREAK LINE	SSMH	SANITARY SEWER MANHOLE
BV	BALL VALVE	SF	SQUARE FEET
BW	BUTT WELD	SSCO	SANITARY SEWER CLEANOUT
BWE	BUTT WELD END	SST	STAINLESS STEEL
C&G	CURB AND GUTTER	ST	STREET
CASQA	CALIFORNIA STORMWATER QUALITY ASSOCIATION	STA	STATION
CCB	CHLORINE CONTACT BASIN	STL	STEEL
CG&S	CURB, GUTTER, AND SIDEWALK CENTER LINE	T	TELEPHONE
CH	CHORD	T&B	TOP AND BOTTOM
CI	CAST IRON	TBM	TEMPORARY BENCHMARK
CLR	CLEAR	TC	TOP OF CONCRETE
CLR	CLEAR	TCE	TEMPORARY CONSTRUCTION
CMP	CORRUGATED METAL PIPE	TP	ENTRANCE TELEPHONE POLE
CO	CLEANOUT, COUNTY	TYP	TYPICAL
COMM	COMMUNICATIONS	V	VOLTS
CONC	CONCRETE	VAR	VARIES
CONST	CONSTRUCT	W	WEST
CORP	CORPORATION	W,WTR	WATER
CP	CONTROL POINT	W/	WITH
CTV	CABLE TV	WM	WATER METER
CV	CHECK VALVE	WSE	WATER SURFACE ELEVATION
D	DRAIN	WV	WATER VALVE
DECHLOR	DECHLORINATION	WWTF	WASTEWATER TREATMENT FACILITY
DEPT	DEPARTMENT	WY	WAY
DI	DIAMETER		
DIA	DIAMETER		
DIP	DUCTILE IRON PIPE		
DWG	DRAWING		
E	ELECTRICAL		
EA	EACH		
EG	EACH FACE		
EG	EXISTING GRADE		
EJ	EXPANSION JOINT		
EL, ELEV	ELEVATION		
ELL	ELBOW		
EP	EDGE OF PAVEMENT		
ER	EDGE OF ROAD		
EW	EACH WAY		
EX	EXISTING		
FCA	FLANGED COUPLING ADAPTER		
FDC	FIRE DEPARTMENT CONNECTION		
FE	FLANGED END		
FF	FINISHED FLOOR		
FG	FINISHED GRADE		
FH	FIRE HYDRANT		
FL	FLOW LINE		
FLG	FLANGE		
FM	FORCE MAIN		
FND	FOUND		
FO	FIBER OPTIC		
FS	FINISHED SURFACE		
G	GAS		
GA	GAGE		
GALV	GALVANIZED		
GB	GRADE BREAK		
GFL	GUTTER FLOW LINE		
GM	GAS METER		
GR	GRATE, GRATE ELEVATION		
GTD	GRADE TO DRAIN		
GV	GATE VALVE		
HB	HOSE BIBB		
HDPE	HIGH DENSITY POLYETHYLENE		
HW	HANDWHEEL		
ID	INSIDE DIAMETER		
IN	INCHES		
INV	INVERT		
IP	IRON PIPE		
IPS	IRON PIPE SIZE		
JP	JOINT POLE		
L=	LENGTH		
LBS	POUNDS		
LF	LINEAR FOOT/FEET		
LP	LOW POINT		
L	LEFT, LIGHT		
LT	LANDSCAPING		
L/S	LANDSCAPING		
MAX	MAXIMUM		
MFR	MANUFACTURER		
MH	MANHOLE		
MJ	MECHANICAL JOINT		
MPS	MDPOINT		
NPS	NOMINAL PIPE SIZE		
OC	ON CENTER		
OD	OUTSIDE DIAMETER		
OH	OVERHEAD		
PB	PULL BOX		
PE	POLYETHYLENE		
ρ	PROPERTY LINE		
PP	POWER POLE		
PT	POINT		
PUB	PUBLIC		
PUE	PUBLIC UTILITY EASEMENT		
PVMT	PAVEMENT		
PVI	POINT OF VERTICAL INTERSECTION		
RCP	REINFORCED CONCRETE PIPE		
RD	ROAD		

LEGEND

	EXISTING	PROPOSED
ASSESSOR'S PARCEL NO.		
SURVEY MONUMENT		
SURVEY BENCHMARK		
SPOT ELEVATION		
CONTOUR LINE		
CATCHLINE		
FLOWLINE		
JOINT UTILITY POLE		
UTILITY POLE		
GUY WIRE & ANCHOR		
CENTERLINE		
AC DIKE		
FENCE (CHAINLINK)		
FENCE (WOOD)		
GUARDRAIL		
PROPERTY LINE		
RIGHT-OF-WAY		
TOP OF EMBANKMENT		
TOE OF EMBANKMENT		
STORM DRAIN		
STORM DRAIN MANHOLE		
STORM DRAIN CATCH BASIN		
SANITARY SEWER		
SANITARY SEWER MANHOLE		
SANITARY SEWER CLEANOUT		
AIR RELEASE VALVE		
BLOW-OFF VALVE		
FIRE DEPARTMENT CONNECTION		
FIRE HYDRANT		
WATER MAIN		
WATER MANHOLE		
FLOW METER		
VALVE		
ELECTRICAL MANHOLE		
ELECTRICAL PULLBOX		
ELECTRICAL PANEL		
ELECTRICAL TRANSFORMER		
ELECTRICAL VAULT		
TELEPHONE MANHOLE		
TELEPHONE PEDESTAL		
TELEPHONE POLE		
TELEPHONE PULLBOX		
TELEPHONE VAULT		
MISC MANHOLE		
STREET LIGHT		
UNDERGROUND ELECTRICAL		
OVERHEAD ELECTRICAL		
UNDERGROUND TELEPHONE		
OVERHEAD TELEPHONE		
MAILBOX		
TREE/TREE WELL		
BUILDING		
GRADE BREAK		

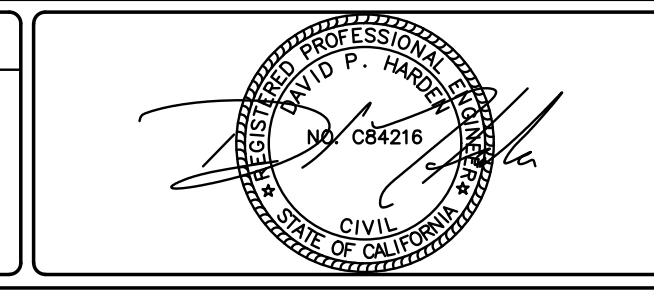
Login Name: keshabara_03_2024... 14:46...
 File Name: C:\Users\keshabara\Documents\Projects\14202-200-UPID-Sewer Pump Station Relocation\02-PLANS\MASTERS\02-PLANS\02-02-01-GENERAL NOTES.dwg
 XREFS: BIR-14202-200... 2/23/24...

NO.	REVISIONS	BY	DATE
1			
2			
3			
4			
5			
6			

BENCH MARK ELEV: 5505.20 DATUM: NAVD88
 DESCRIPTION:
 THIS BENCHMARK IS A STANDARD BRASS DISC STAMPED H194 1934 SET IN THE WEST END OF THE NORTHWEST WING-WALL OF BRIDGE 1302 OVER MARKLEEVILLE CREEK ON STATE HIGHWAY 4 LOCATED ON THE SOUTH-SIDE OF MRKLEEVILLE

DESIGN BY: G. RODELL
 DRAWN BY: A. HOLLADAY
 CHECKED BY: D. HARDEN
 SCALE: N/A
 DATE: 9/5/2024
 PROJ NO.: 14202-200

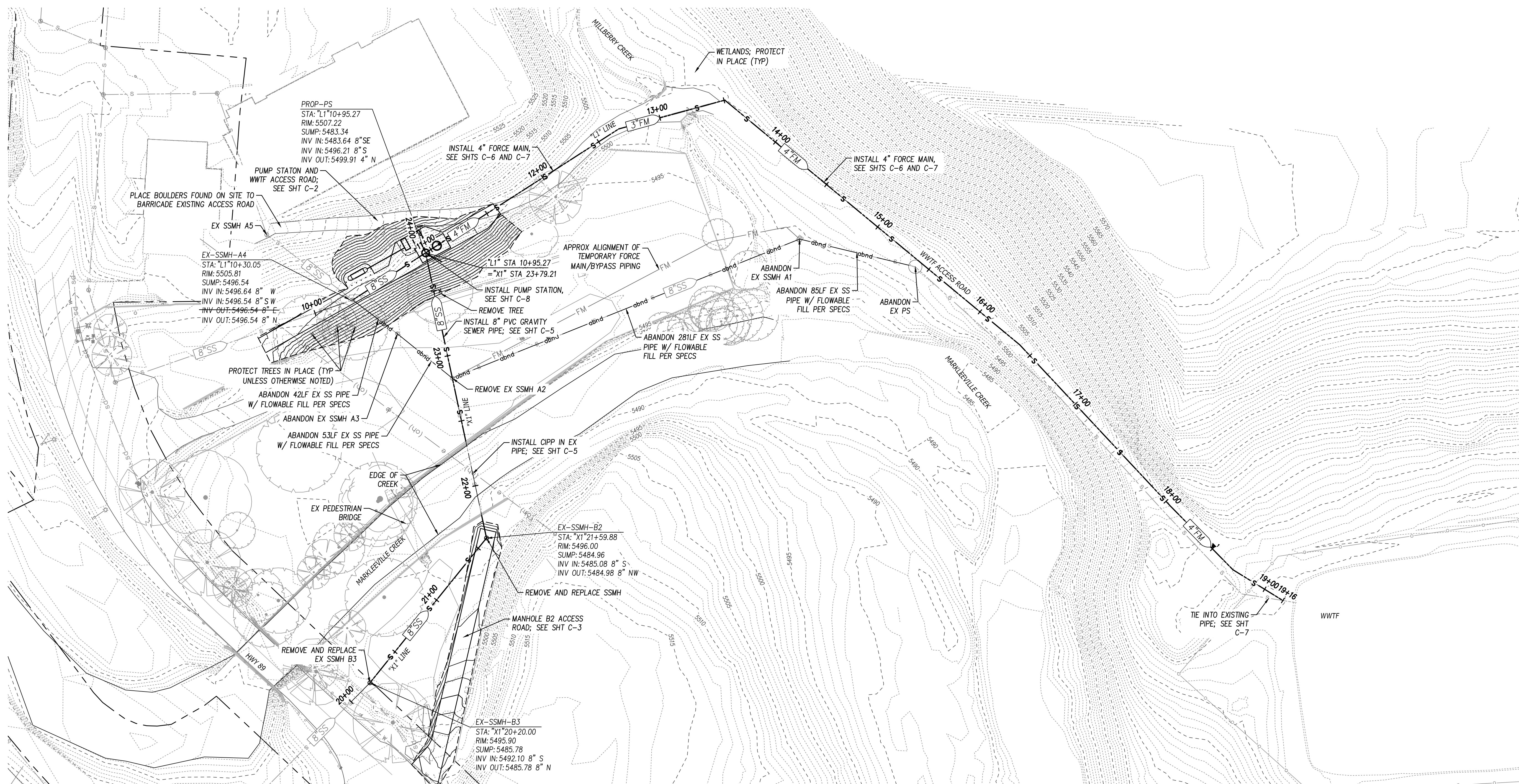
VERIFY SCALE
 BAR IS ONE INCH ON ORIGINAL DRAWING.
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.



BEN EN
 TRUSTED ENGINEERING ADVISORS
 Bennett Engineering Services
 1082 Sunrise Avenue, Suite 100
 Roseville, California 95661
 T 916.783.4100
 F 916.783.4110

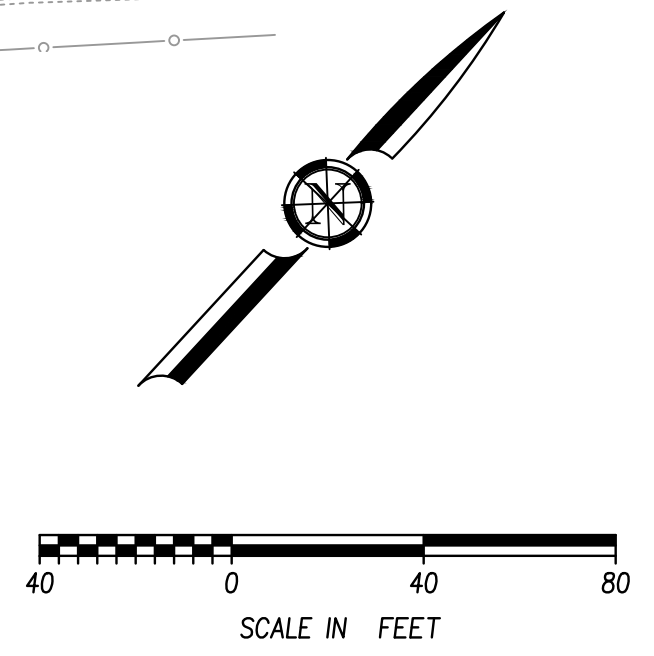
MARKLEEVILLE PUBLIC UTILITY DISTRICT PUMP STATION RELOCATION PROJECT
GENERAL NOTES
 MARKLEEVILLE PUBLIC UTILITY DISTRICT
 CALIFORNIA

Login Name: keshore Date: 05/20/24 10:48 AM File Path: \\Documents\Projects\14202-200-UPID-Sewer Pump Station Relocation\02-PLANS\MASTERS\SHEETS\14202-200_04_C-1_SITE_PLAN.dwg
 File Name: C:\Users\keshore\Documents\Projects\14202-200-UPID-Sewer Pump Station Relocation\02-PLANS\MASTERS\SHEETS\14202-200_04_C-1_SITE_PLAN.dwg
 XREFS: BIR-14202-200_H_22-34 | 14202-200_JR-BASEMAP | 14202-200_JR-UTIL | 14202-200_JR-HATCH | 14202-200_JR-STAMP&SIGN



CONSTRUCTION SEQUENCE

1. INSTALL NEW LIFT STATION. CONNECT TO SSMH A4 AND ROUTE PIPING TOWARDS SSMH A2. PLUG AT PUMP STATION.
2. INSTALL NEW FORCEMAIN AT POND. AT TIE-IN AT TOP OF HILL, INSTALL CHECK VALVE TO ALLOW SIMULTANEOUS OPERATION OF BOTH SYSTEMS.
3. BRING NEW PUMP STATION ONLINE.
4. INSTALL PLUG ON THE PIPE ALONG LARAMIE STREET AT THE ACCESSIBLE LOCATION TO FACILITATE PUMPING.
5. REPLACE THE MANHOLES AND PIPING BETWEEN SSMH B3 TO SSMH B2.
6. TAKE BOTH PUMP STATIONS OFFLINE. SET IN PLACE APPROPRIATE BYPASS PUMPING OR HAULING. REMOVE A2, CONNECT PIPELINE AND INSTALL CIPP.

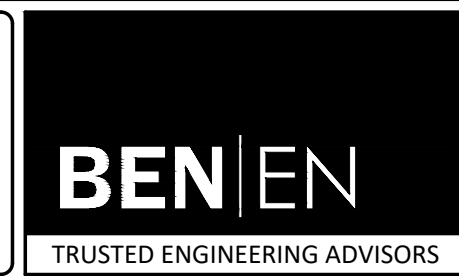
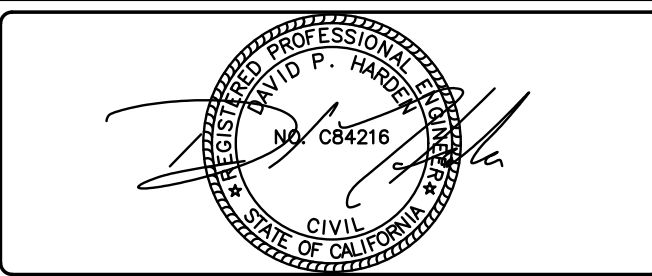


NO.	REVISIONS	BY	DATE

BENCH MARK ELEV: 5505.20 DATUM: NAVD88
 DESCRIPTION: NCS BENCHMARK JR0557 BEING A STANDARD BRASS DISC STAMPED H194 1934 SET IN THE WEST END OF THE NORTHWEST WING-WALL OF BRIDGE 1302 OVER MARKLEEVEVILLE CREEK ON STATE HIGHWAY 4 LOCATED ON THE SOUTH-SIDE OF MRKLEEVEVILLE

DESIGN BY: G. RODELL
 DRAWN BY: A. HOLLADAY
 CHECKED BY: D. HARDEN
 SCALE: 1"=40'
 DATE: 9/19/2024
 PROJ NO.: 14202-200

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

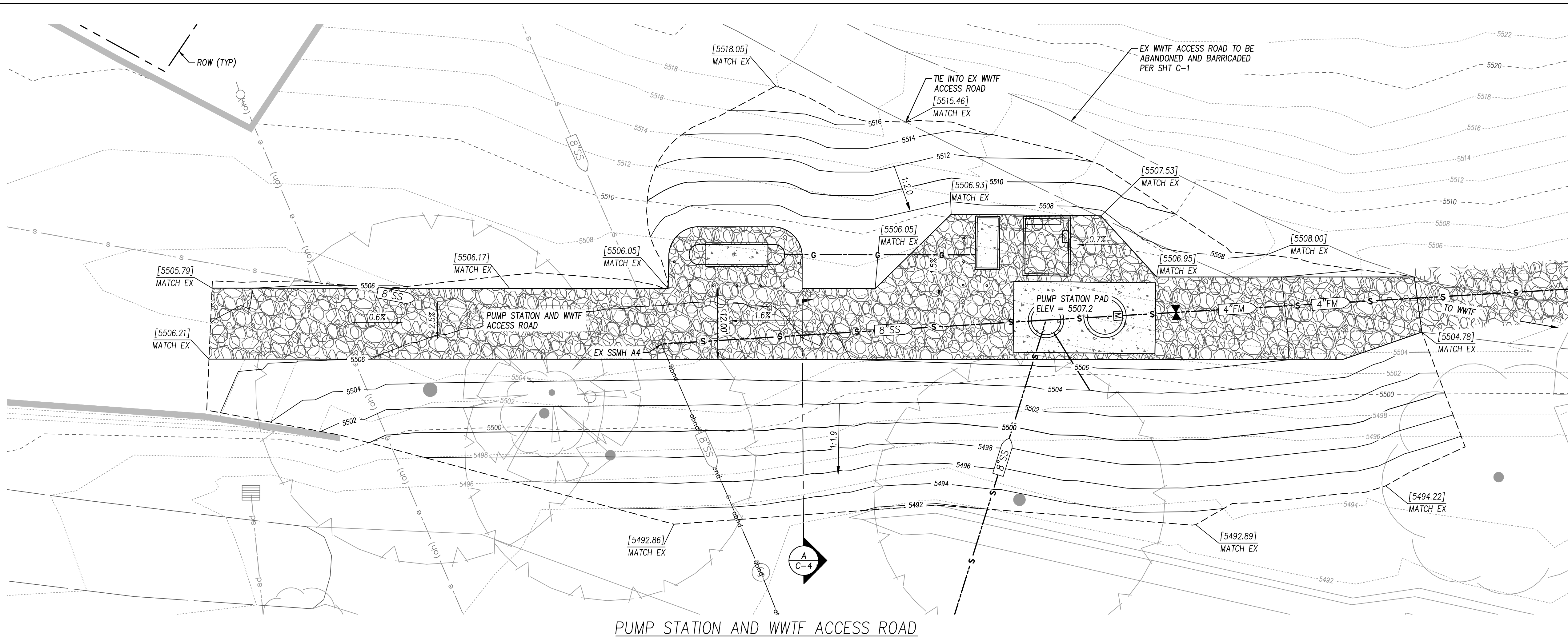


Bennett Engineering Services
 1082 Sunrise Avenue, Suite 100
 Roseville, California 95661
 T 916.783.4100
 F 916.783.4110

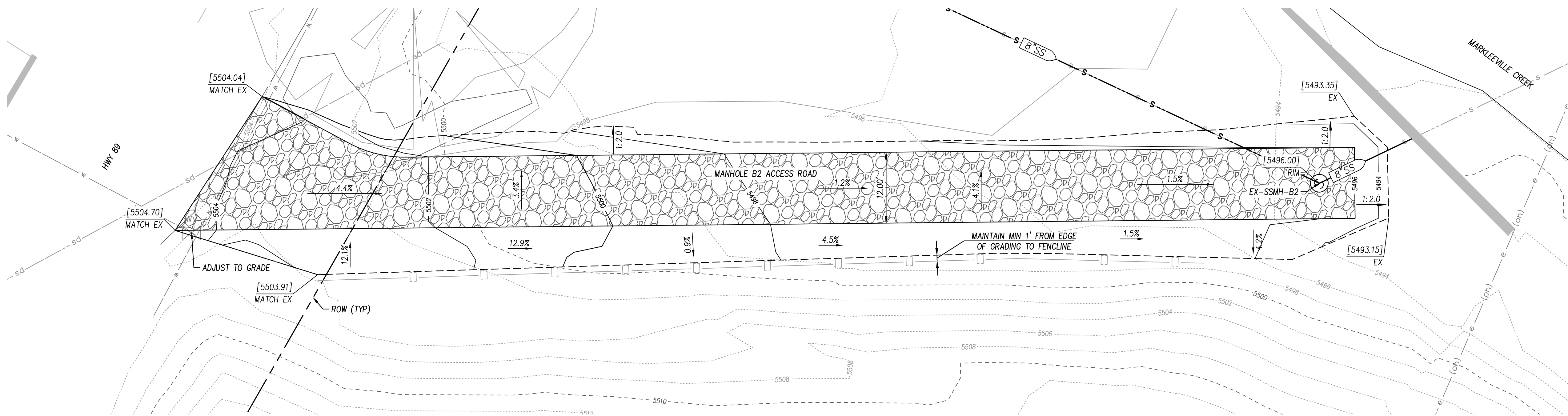
MARKLEEVEVILLE PUBLIC UTILITY DISTRICT PUMP STATION RELOCATION PROJECT
SITE PLAN
 MARKLEEVEVILLE PUBLIC UTILITY DISTRICT
 CALIFORNIA

C-1
 4
 OF
 20

Login Name: keshibares
 User ID: 2254
 File Name: C:\Users\keshibares\Documents\Projects\14202-200-UPID-Sewer Pump Station Relocation\02-PLANS\MASTERS\14202-200_05_C-2_GRADING_PLAN.dwg
 File Name: C:\Users\keshibares\Documents\Projects\14202-200-UPID-Sewer Pump Station Relocation\02-PLANS\MASTERS\14202-200_05_C-2_GRADING_PLAN.dwg
 XREFS: BIR-14202-200_H_22-34 | 14202-200_UR-BASEMAP | 14202-200_UR-MATCH | 14202-200_UR-UTIL | 14202-200_UR-UTL | 14202-200_UR-BASEMAP | 14202-200_UR-MATCH | 14202-200_UR-UTIL | 14202-200_UR-UTL



PUMP STATION AND WWTF ACCESS ROAD



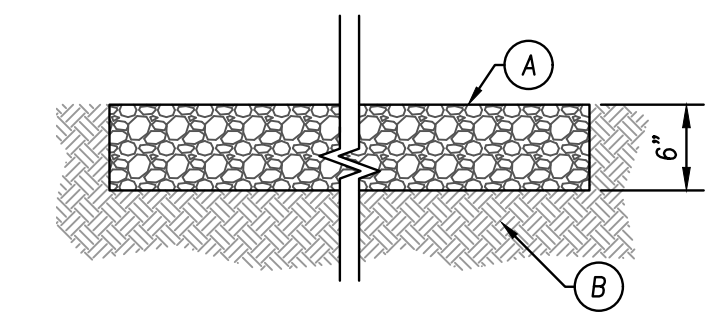
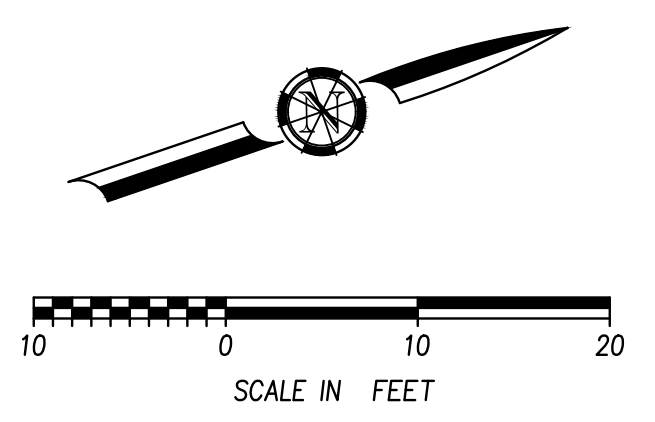
MANHOLE B2 ACCESS ROAD

LEGEND

	AGGREGATE BASE
	CONCRETE
	CATCHLINE
	GRADE BREAK

EARTHWORK QUANTITIES - PUMP STATION AND WWTF ACCESS ROAD

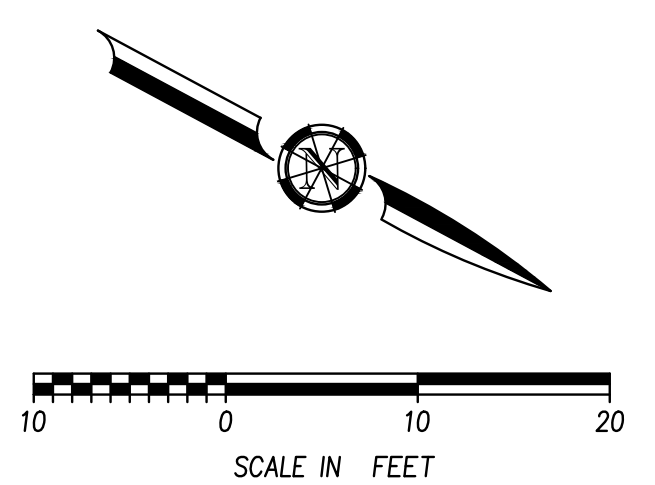
CUT = ±153 CY
 FILL = ±394 CY
 NET = ±241 CY (IMPORT)
 OVEREXCAVATION = ±414 CY
 3" MINUS CRUSHED ROCK = ±200 CY



- NOTES:**
- 6" DEEP 3" MINUS CRUSHED ROCK, COMPACTED TO 95% RC
 - OVEREXCAVATE SUBGRADE BY 12" AND COMPACT TO 95% RC
- ACCESS ROAD SECTION DETAIL**

EARTHWORK QUANTITIES - MANHOLE B2 ACCESS ROAD

CUT = ±3 CY
 FILL = ±94 CY
 NET = ±91 CY (IMPORT)
 OVEREXCAVATION = ±92 CY
 3" MINUS CRUSHED ROCK = ±46 CY

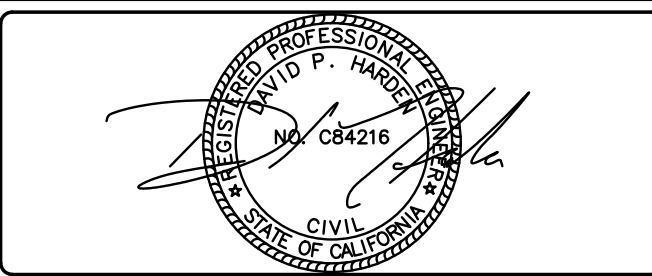


NO.	REVISIONS	BY	DATE
1			
2			
3			
4			

BENCH MARK ELEV: 5505.20 DATUM: NAVD88
 DESCRIPTION: NICS BENCHMARK JR0557 BEING A STANDARD BRASS DISC STAMPED H194 1934 SET IN THE WEST END OF THE NORTHWEST WING-WALL OF BRIDGE 1302 OVER MARKLEEVILLE CREEK ON STATE HIGHWAY 4 LOCATED ON THE SOUTH-SIDE OF MRKLEEVILLE

DESIGN BY: G. RODELL
 DRAWN BY: A. HOLLADAY
 CHECKED BY: D. HARDEN
 SCALE: 1" = 10'
 DATE: 9/19/2024
 PROJ NO.: 14202-200

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



BEN EN
 TRUSTED ENGINEERING ADVISORS

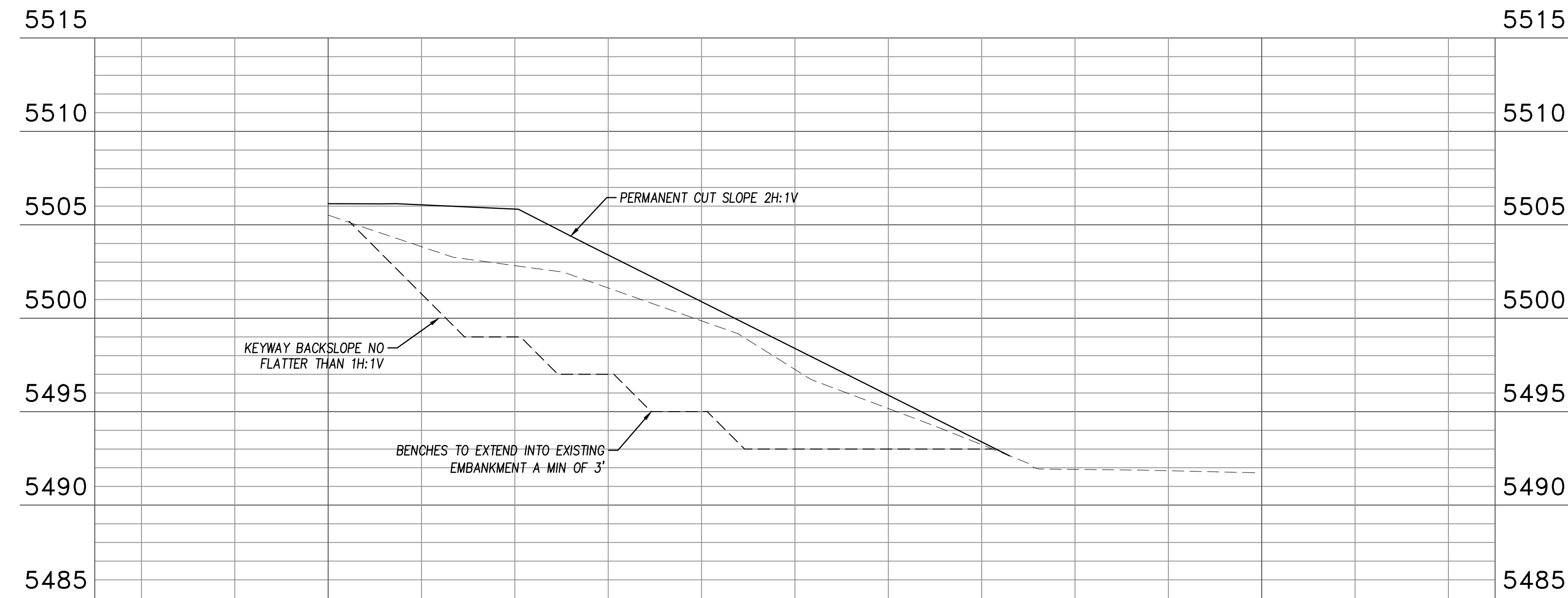
Bennett Engineering Services
 1082 Sunrise Avenue, Suite 100
 Roseville, California 95661
 T 916.783.4100
 F 916.783.4110

MARKLEEVILLE PUBLIC UTILITY DISTRICT PUMP STATION RELOCATION PROJECT

MARKLEEVILLE PUBLIC UTILITY DISTRICT CALIFORNIA

NOTES:

1. ACTUAL OVER EXCAVATION LIMITS TO BE DETERMINED BY GEOTECHNICAL ENGINEER DURING CONSTRUCTION.
2. BACKCUT BENCHING PER GEOTECHNICAL REPORT.
3. OVEREXCAVATION KEYWAY REQUIRED ON ALL FILL SLOPES SUPPORTING THE PUMP STATION ACCESS ROAD.



SECTION A

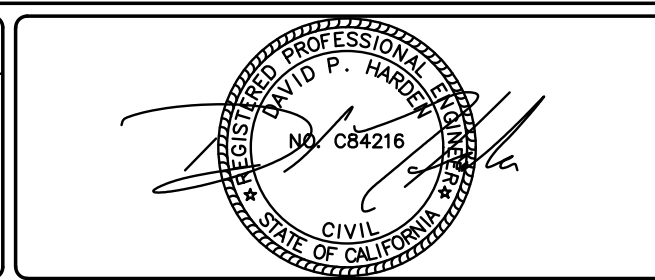
Login Name: keshores
 Path: C:\Users\keshores\Documents\Projects\14202-200-UPID-Sewer Pump Station Relocation\02-PLANS\MASTERS SHEETS\14202-200-05-C-2 GRADING PLAN.dwg
 File Name: C:\Users\keshores\Documents\Projects\14202-200-UPID-Sewer Pump Station Relocation\02-PLANS\MASTERS SHEETS\14202-200-05-C-2 GRADING PLAN.dwg
 XREFS: BR-14202-200-J, 22-34 | 14202-200-JR-SITE | 14202-200-JR-UTIL | 14202-200-JR-BASEMAP | 14202-200-JR-HATCH | 14202-200-JR-STAMP&SIGN

NO.	REVISIONS	BY	DATE

BENCH MARK ELEV: 5505.20 DATUM: NAVD88
 DESCRIPTION:
 NCS BENCHMARK JR0557 BEING A STANDARD BRASS DISC STAMPED H194 1934 SET IN THE WEST END OF THE NORTHWEST WING-WALL OF BRIDGE 1302 OVER MARKLEEVILLE CREEK ON STATE HIGHWAY 4 LOCATED ON THE SOUTH-SIDE OF MRKLEEVILLE

DESIGN BY: G. RODELL
 DRAWN BY: A. HOLLADAY
 CHECKED BY: D. HARDEN
 SCALE: H: 1"=20'; V: 1"=5'
 DATE: 9/19/2024
 PROJ NO.: 14202-200

VERIFY SCALE
 BAR IS ONE INCH ON ORIGINAL DRAWING.
 0 1"
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.



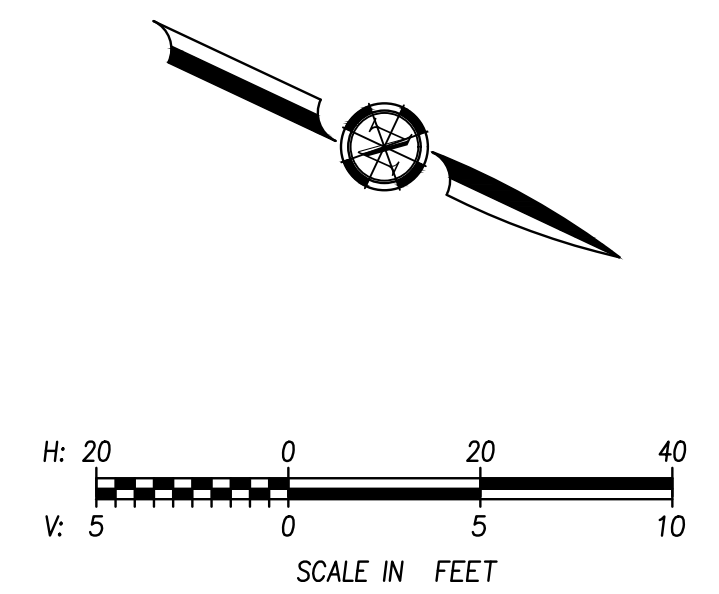
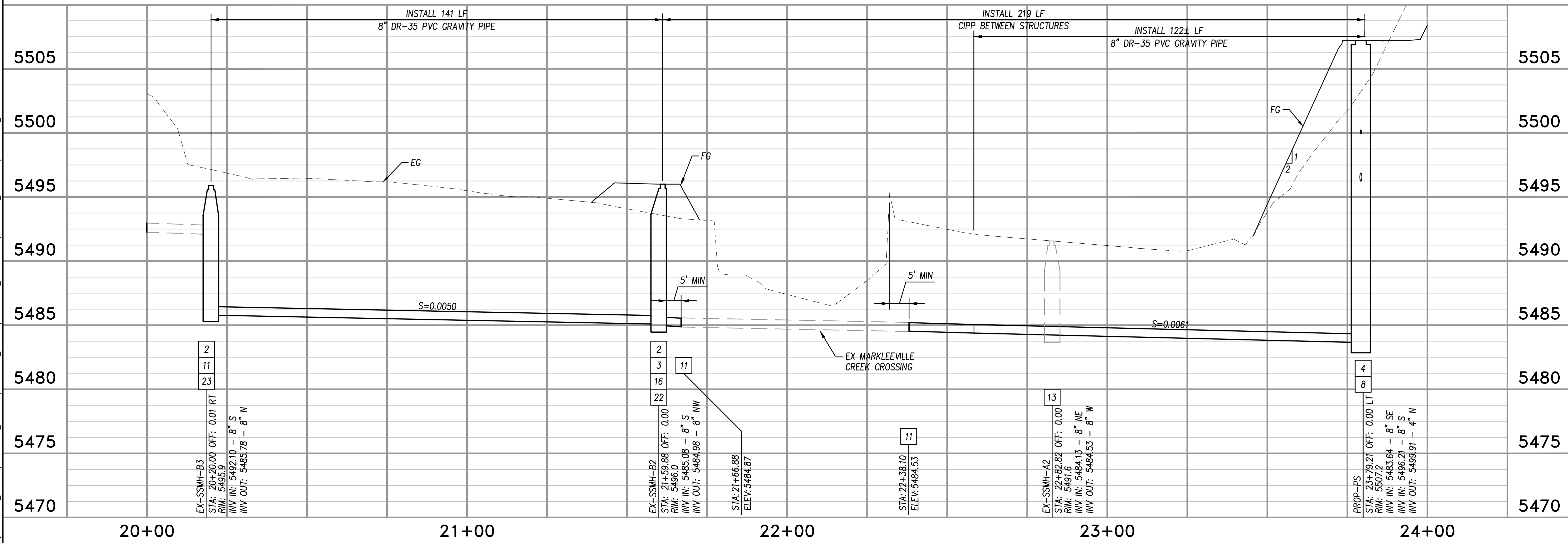
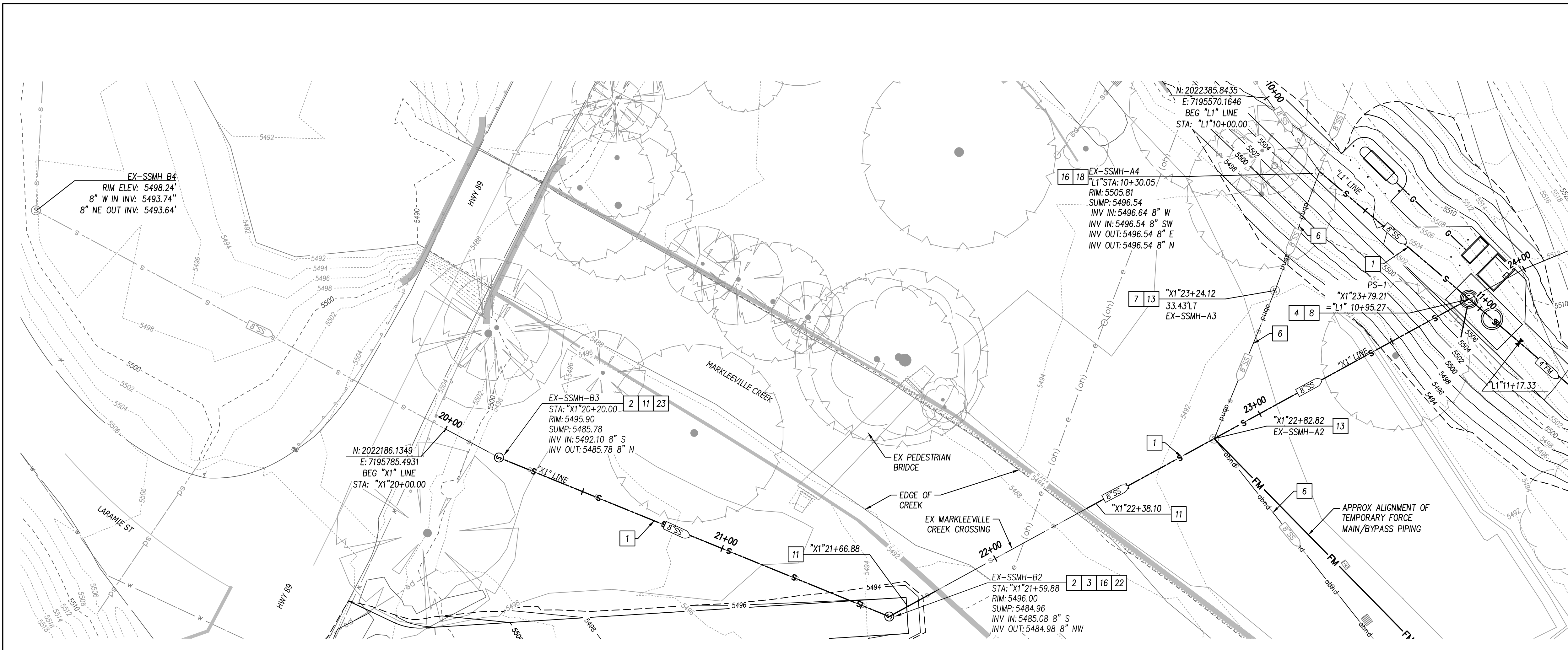
BEN EN
 TRUSTED ENGINEERING ADVISORS

Bennett Engineering Services
 1082 Sunrise Avenue, Suite 100
 Roseville, California 95661
 T 916.783.4100
 F 916.783.4110

MARKLEEVILLE PUBLIC UTILITY DISTRICT PUMP STATION RELOCATION PROJECT
 GRADING SECTIONS
 MARKLEEVILLE PUBLIC UTILITY DISTRICT CALIFORNIA

CONSTRUCTION NOTES (ALL SITE PLANS):

- 1 INSTALL 8" SS GRAVITY PVC PIPE
- 2 REMOVE AND REPLACE 48" SSMH PER DTL 1, SHT C-9
- 3 BEGIN CIPP INSTALLATION
- 4 END CIPP INSTALLATION
- 5 INSTALL 3" SS FORCEMAIN HDPE
- 6 ABANDON EXISTING SS PIPE PER DTL 4, SHT C-9
- 7 ABANDON EXISTING PUMP STATION OR SSMH PER DTL 10, SHT C-9
- 8 INSTALL DUPLEX PUMP STATION PER DTL 1, SHT C-8
- 9 CONNECT TO EX 6" STEEL PIPE WITH 4"x6" FLXL REDUCER AND 6" FL COUPLING
- 10 INSTALL 4" SS FORCEMAIN HDPE
- 11 TIE INTO EXISTING 8" SS PIPE
- 12 PROTECT IN PLACE
- 13 REMOVE EXISTING SSMH
- 14 INSTALL 22.5" VERTICAL ELL
- 15 INSTALL 11.25" VERTICAL ELL
- 16 INSTALL SOLIDS SCREEN
- 17 INSTALL ARV PER DTL 8, SHT C-9
- 18 PLUG ABANDONED INVERTS PER SPECIFICATIONS
- 19 INSTALL 4" FM INSIDE EXISTING 12" STEEL CASING PER DTL 2 SHT C-9
- 20 INSTALL 4" X 3" REDUCER
- 21 INSTALL 4" GATE VALVE PER DTL 3 SHT C-9
- 22 INSTALL WATERTIGHT LID PER SPECIFICATIONS
- 23 INSTALL DROP SSMH PER DTL 9, SHT C-9
- 24 REMOVE TEMPORARY FORCEMAIN AFTER NEW PUMP STATION IS ONLINE



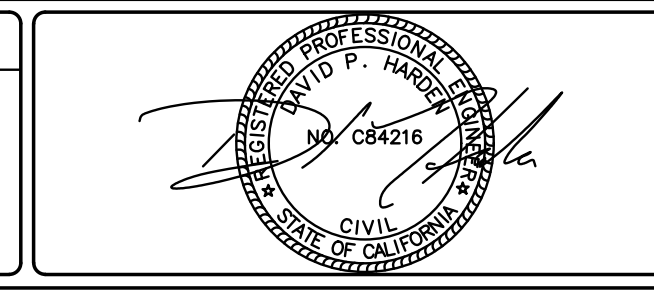
Login Name: keshava... 2024... 14:46...
 File Name: C:\Users\keshava\Documents\Projects\14202-200-MPUD-Sewer Pump Station Relocation\02-PLANS\MASTERS\SHEETS\14202-200_OR_C-5_PLAN_PROFILE.dwg
 XREFS: BDR-14202-200_H-22-34 | 14202-200_OR-BTE | 14202-200_OR-UTIL | 14202-200_OR-BASEMAP | 14202-200_OR-HATCH | 14202-200_OR-STAMP&SIGN

NO.	REVISIONS	BY	DATE

BENCH MARK ELEV: 5505.20 DATUM: NAVD88
 DESCRIPTION:
 NCS BENCHMARK JR0557 BEING A STANDARD BRASS DISC STAMPED H194 1934 SET IN THE WEST END OF THE NORTHWEST WING-WALL OF BRIDGE 1302 OVER MARKLEEVILLE CREEK ON STATE HIGHWAY 4 LOCATED ON THE SOUTH-SIDE OF MRKLEEVILLE

DESIGN BY: G. RODELL
 DRAWN BY: A. HOLLADAY
 CHECKED BY: D. HARDEN
 SCALE: H: 1"=20'; V: 1"=5'
 DATE: 9/19/2024
 PROJ NO.: 14202-200

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

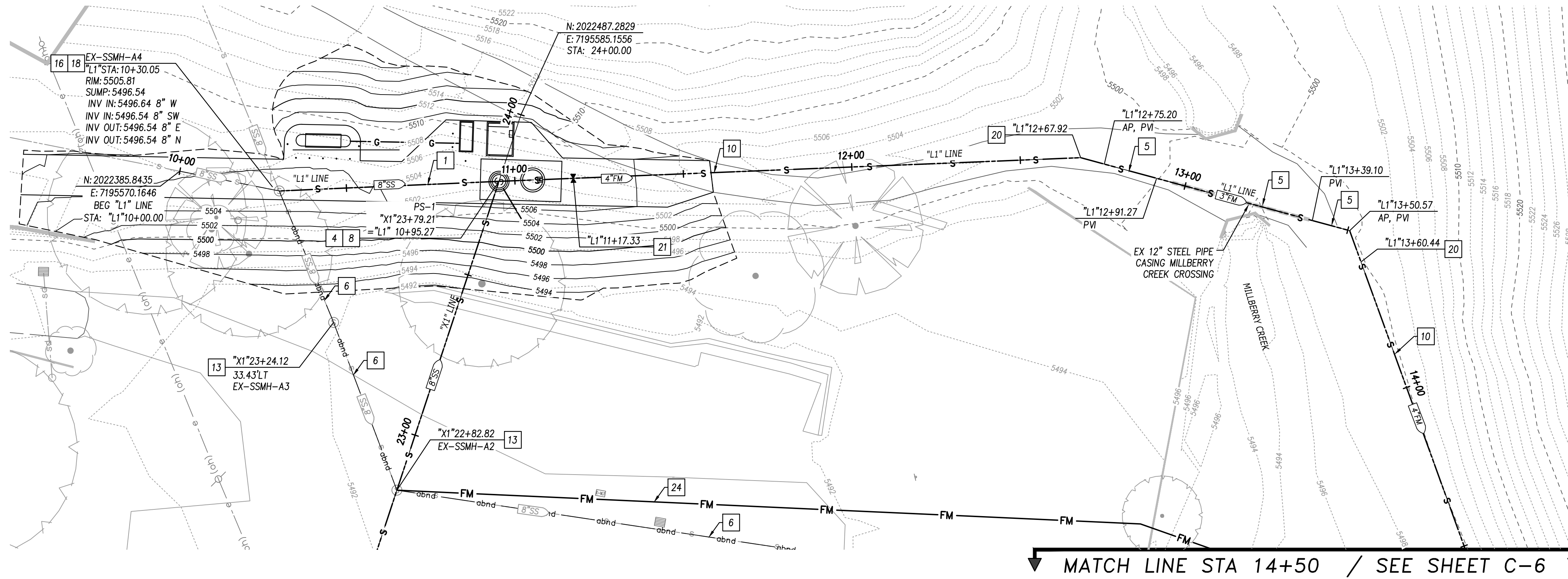


Bennett Engineering Services
 1082 Sunrise Avenue, Suite 100
 Roseville, California 95661
 T 916.783.4100
 F 916.783.4110

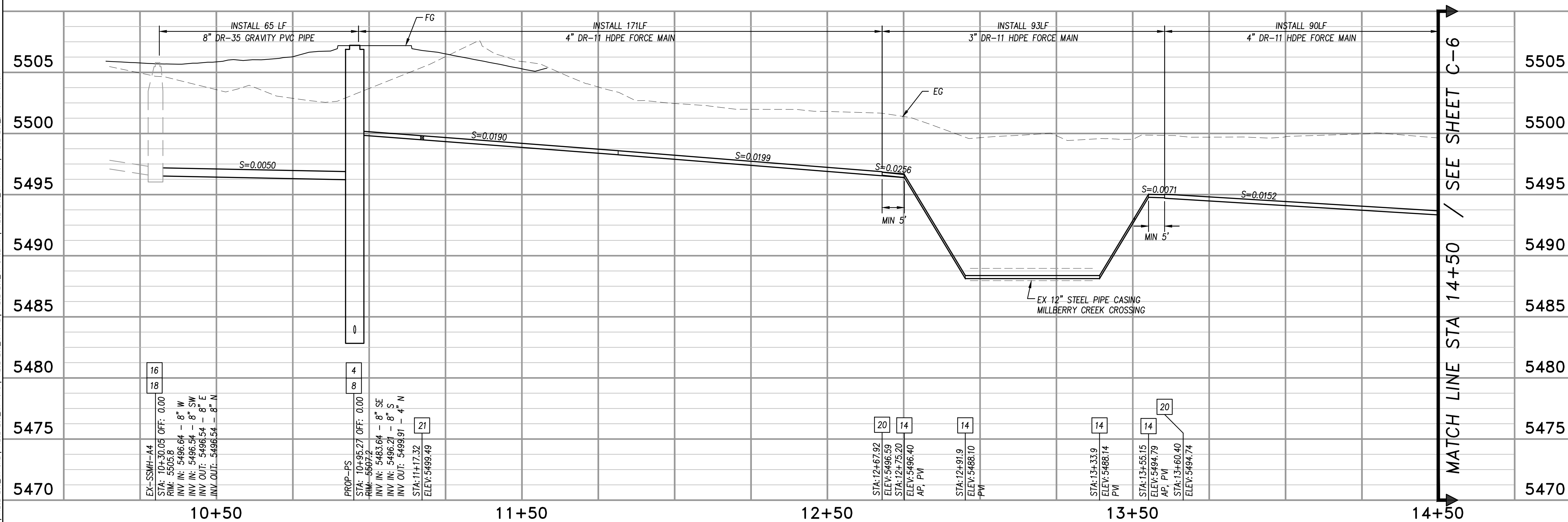
MARKLEEVILLE PUBLIC UTILITY DISTRICT PUMP STATION RELOCATION PROJECT
PLAN & PROFILE - "X1" LINE
 STA 20+00 to STA 24+00
 MARKLEEVILLE PUBLIC UTILITY DISTRICT
 CALIFORNIA

CONSTRUCTION NOTES (ALL SITE PLANS):

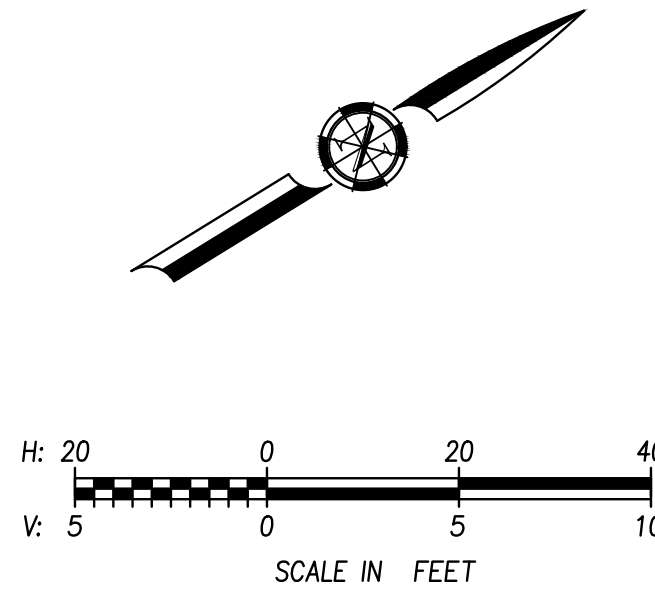
- 1 INSTALL 8" SS GRAVITY PVC PIPE
- 2 REMOVE AND REPLACE 48" SSMH PER DTL 1, SHT C-9
- 3 BEGIN CIPP INSTALLATION
- 4 END CIPP INSTALLATION
- 5 INSTALL 3" SS FORCEMAIN HDPE
- 6 ABANDON EXISTING SS PIPE PER DTL 4, SHT C-9
- 7 ABANDON EXISTING PUMP STATION OR SSMH PER DTL 10, SHT C-9
- 8 INSTALL DUPLEX PUMP STATION PER DTL 1, SHT C-8
- 9 CONNECT TO EX 6" STEEL PIPE WITH 4"x6" FLXFL REDUCER AND 6" FL COUPLING
- 10 INSTALL 4" SS FORCEMAIN HDPE
- 11 TIE INTO EXISTING 8" SS PIPE
- 12 PROTECT IN PLACE
- 13 REMOVE EXISTING SSMH
- 14 INSTALL 22.5" VERTICAL ELL
- 15 INSTALL 11.25" VERTICAL ELL
- 16 INSTALL SOLIDS SCREEN
- 17 INSTALL ARV PER DTL 8, SHT C-9
- 18 PLUG ABANDONED INVERTS PER SPECIFICATIONS
- 19 INSTALL 4" FM INSIDE EXISTING 12" STEEL CASING PER DTL 2 SHT C-9
- 20 INSTALL 4" X 3" REDUCER
- 21 INSTALL 4" GATE VALVE PER DTL 3 SHT C-9
- 22 INSTALL WATERTIGHT LID PER SPECIFICATIONS
- 23 INSTALL DROP SSMH PER DTL 9, SHT C-9
- 24 REMOVE TEMPORARY FORCEMAIN AFTER NEW PUMP STATION IS ONLINE



MATCH LINE STA 14+50 / SEE SHEET C-6



MATCH LINE STA 14+50 / SEE SHEET C-6



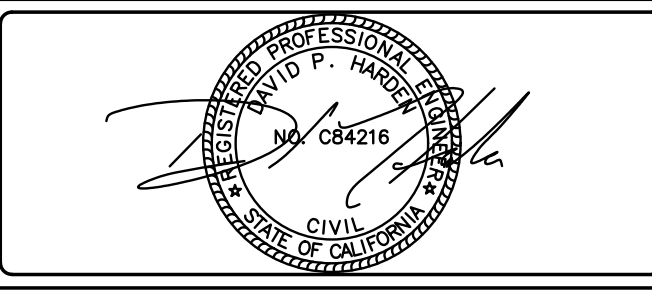
Login Name: keshava...
 Date: 9/19/2024
 File Name: C:\Users\keshava\Documents\Projects\14202-200-MPUD-Sewer Pump Station Relocation\02-PLANS\MASTERS\SHEETS\14202-200_C-3 PLAN PROFILE.dwg
 XREFS: BDR-14202-200_H_22-34 | 14202-200_DR-SITE | 14202-200_DR-BASEMAP | 14202-200_DR-MATCH | 14202-200_DR-STAMP&SIGN

NO.	REVISIONS	BY	DATE

BENCH MARK ELEV: 5505.20 DATUM: NAVD88
 DESCRIPTION: NICS BENCHMARK J0557 BEING A STANDARD BRASS DISC STAMPED H194 1934 SET IN THE WEST END OF THE NORTHWEST WING-WALL OF BRIDGE 1302 OVER MARKLEEVILLE CREEK ON STATE HIGHWAY 4 LOCATED ON THE SOUTH-SIDE OF MRKLEEVILLE

DESIGN BY: G. RODELL
 DRAWN BY: A. HOLLADAY
 CHECKED BY: D. HARDEN
 SCALE: H: 1"=20'; V: 1"=5'
 DATE: 9/19/2024
 PROJ NO.: 14202-200

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



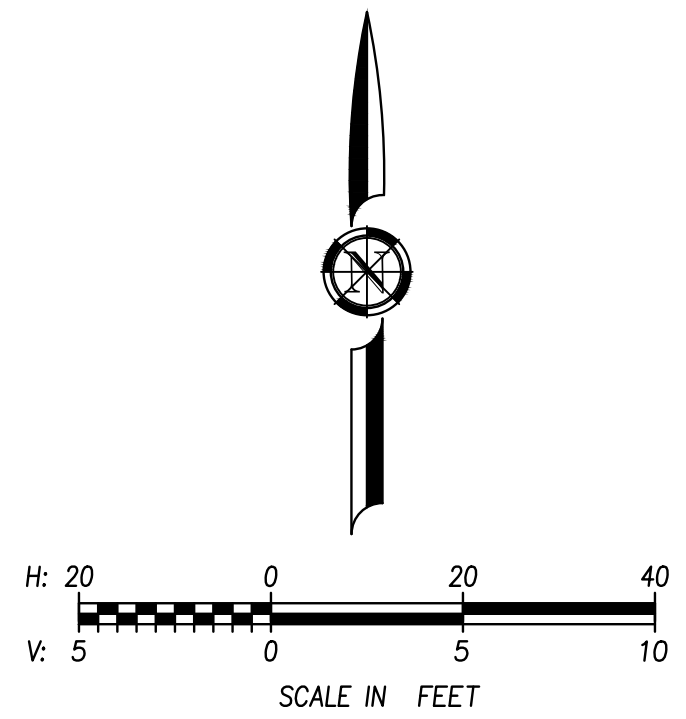
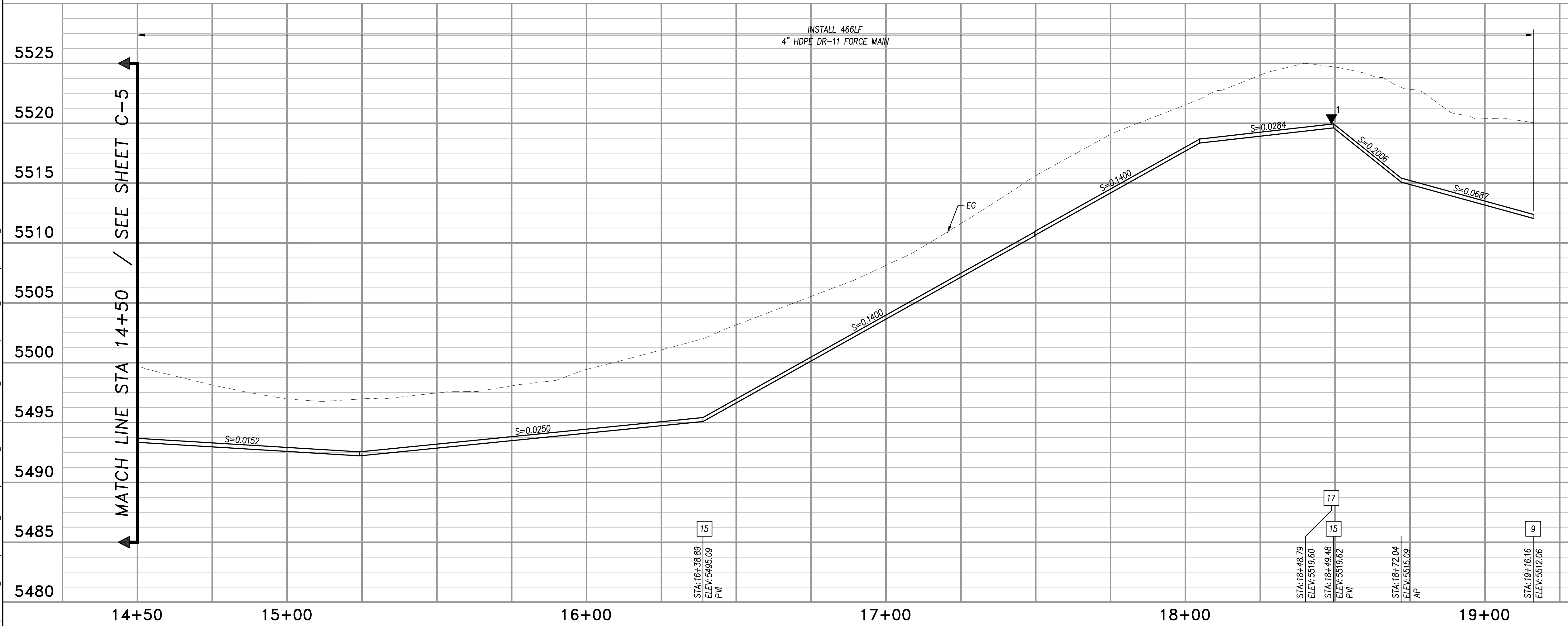
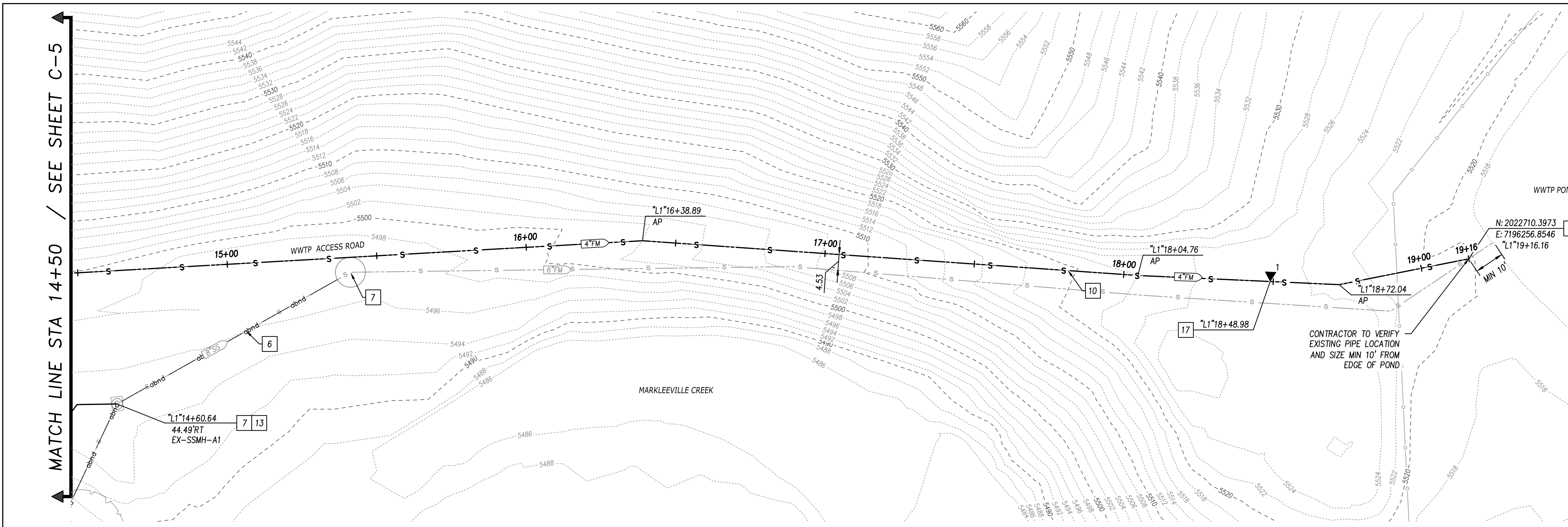
BEN EN
 TRUSTED ENGINEERING ADVISORS
 Bennett Engineering Services
 1082 Sunrise Avenue, Suite 100
 Roseville, California 95661
 T 916.783.4100
 F 916.783.4110

MARKLEEVILLE PUBLIC UTILITY DISTRICT PUMP STATION RELOCATION PROJECT
 PLAN & PROFILE - "L1" LINE
 STA 10+00 to STA 14+50
 MARKLEEVILLE PUBLIC UTILITY DISTRICT
 CALIFORNIA

C-6
 9
 OF
 20

CONSTRUCTION NOTES (ALL SITE PLANS):

- 1 INSTALL 8" SS GRAVITY PVC PIPE
- 2 REMOVE AND REPLACE 48" SSMH PER DTL 1, SHT C-9
- 3 BEGIN CIPP INSTALLATION
- 4 END CIPP INSTALLATION
- 5 INSTALL 3" SS FORCEMAIN HDPE
- 6 ABANDON EXISTING SS PIPE PER DTL 4, SHT C-9
- 7 ABANDON EXISTING PUMP STATION OR SSMH PER DTL 10, SHT C-9
- 8 INSTALL DUPLEX PUMP STATION PER DTL 1, SHT C-8
- 9 CONNECT TO EX 6" STEEL PIPE WITH 4"x6" FLXFL REDUCER AND 6" FL COUPLING
- 10 INSTALL 4" SS FORCEMAIN HDPE
- 11 TIE INTO EXISTING 8" SS PIPE
- 12 PROTECT IN PLACE
- 13 REMOVE EXISTING SSMH
- 14 INSTALL 22.5" VERTICAL ELL
- 15 INSTALL 11.25" VERTICAL ELL
- 16 INSTALL SOLIDS SCREEN
- 17 INSTALL ARV PER DTL 8, SHT C-9
- 18 PLUG ABANDONED INVERTS PER SPECIFICATIONS
- 19 INSTALL 4" FM INSIDE EXISTING 12" STEEL CASING PER DTL 2 SHT C-9
- 20 INSTALL 4" X 3" REDUCER
- 21 INSTALL 4" GATE VALVE PER DTL 3 SHT C-9
- 22 INSTALL WATERTIGHT LID PER SPECIFICATIONS
- 23 INSTALL DROP SSMH PER DTL 9, SHT C-9
- 24 REMOVE TEMPORARY FORCEMAIN AFTER NEW PUMP STATION IS ONLINE



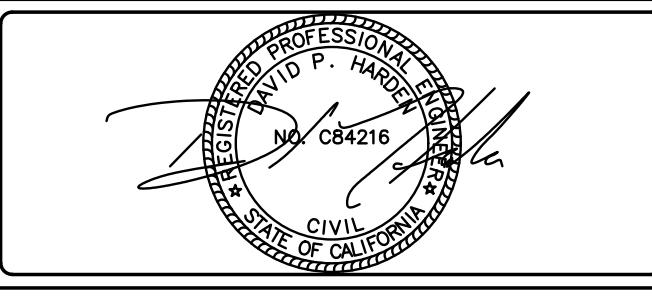
Login Name: keshbore Date: 9/19/2024 10:16:45 AM Plot Path: \\msf\Documents\Projects\14202-200-MP10-Sewer Pump Station Relocation\02-PLANS\MASTERS\SHEETS\14202-200_08_C-3 PLAN PROFILE.dwg
 File Name: C:\Users\keshbore\OneDrive\Documents\Projects\14202-200-MP10-Sewer Pump Station Relocation\02-PLANS\MASTERS\SHEETS\14202-200_08_C-3 PLAN PROFILE.dwg
 XREFS: BIR-14202-200_H-22-234 | 14202-200_JR-SITE | 14202-200_JR-BASEMAP | 14202-200_JR-MATCH | 14202-200_JR-STAMP&SIGN

NO.	REVISIONS	BY	DATE

BENCH MARK ELEV: 5505.20 DATUM: NAVD88
 DESCRIPTION: NICS BENCHMARK JR0557 BEING A STANDARD BRASS DISC STAMPED H194 1934 SET IN THE WEST END OF THE NORTHWEST WING-WALL OF BRIDGE 1302 OVER MARKLEEVILLE CREEK ON STATE HIGHWAY 4 LOCATED ON THE SOUTH-SIDE OF MRKLEEVILLE

DESIGN BY: G. RODELL
 DRAWN BY: A. HOLLADAY
 CHECKED BY: D. HARDEN
 SCALE: H: 1"=20'; V: 1"=5'
 DATE: 9/19/2024
 PROJ NO.: 14202-200

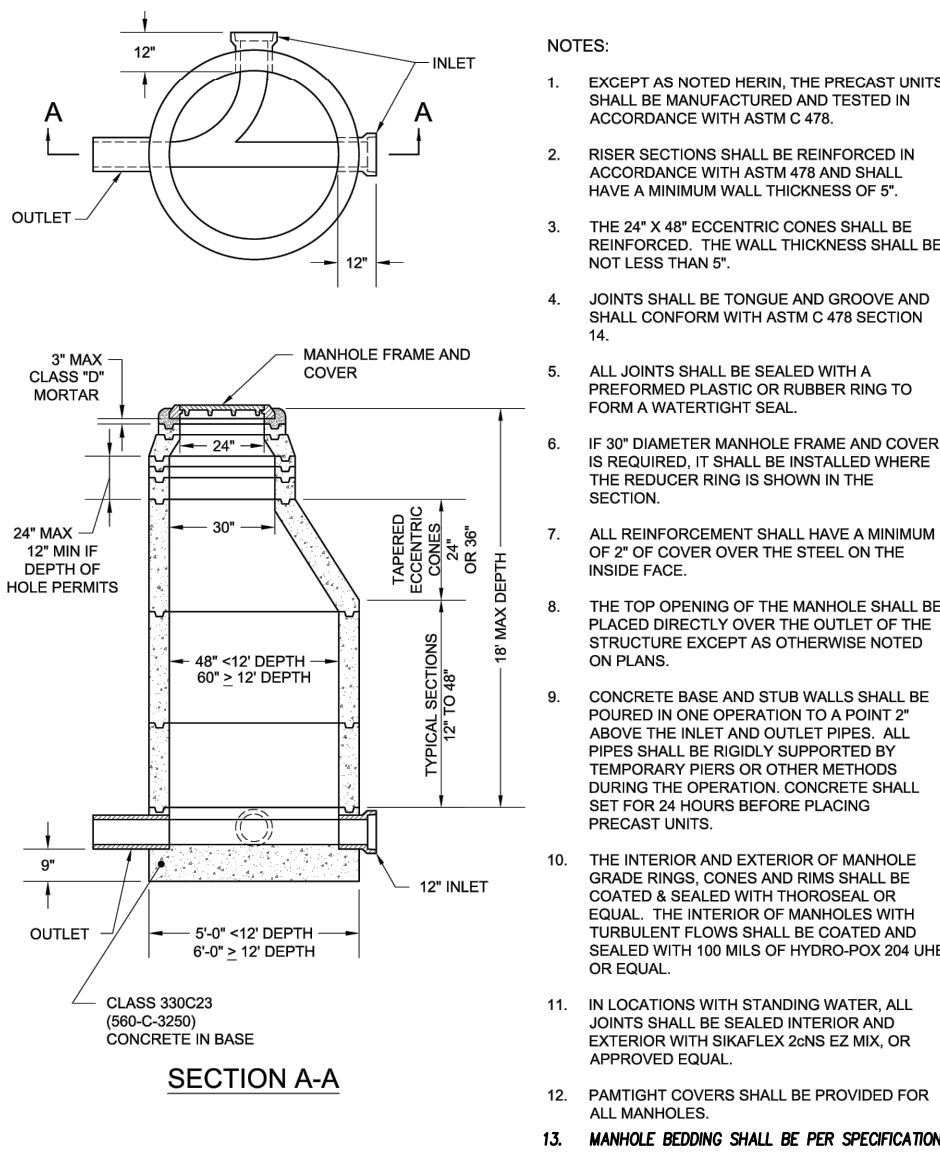
VERIFY SCALE
 BAR IS ONE INCH ON ORIGINAL DRAWING.
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.



BEN EN
 TRUSTED ENGINEERING ADVISORS
 Bennett Engineering Services
 1082 Sunrise Avenue, Suite 100
 Roseville, California 95661
 T 916.783.4100
 F 916.783.4110

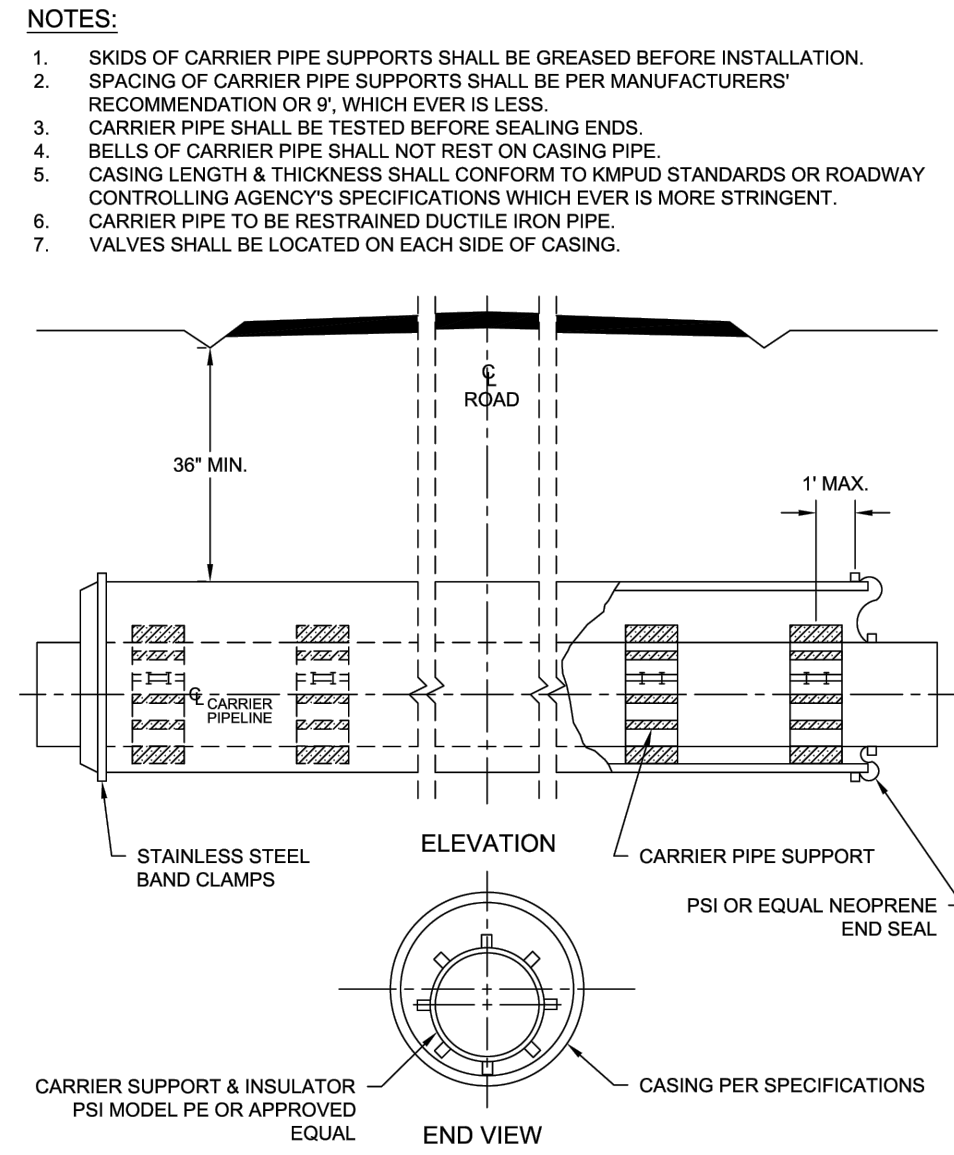
MARKLEEVILLE PUBLIC UTILITY DISTRICT PUMP STATION RELOCATION PROJECT
PLAN & PROFILE - "L1" LINE
 STA 14+50 to STA 19+50
 MARKLEEVILLE PUBLIC UTILITY DISTRICT
 CALIFORNIA

C-7
 10
 OF
 20

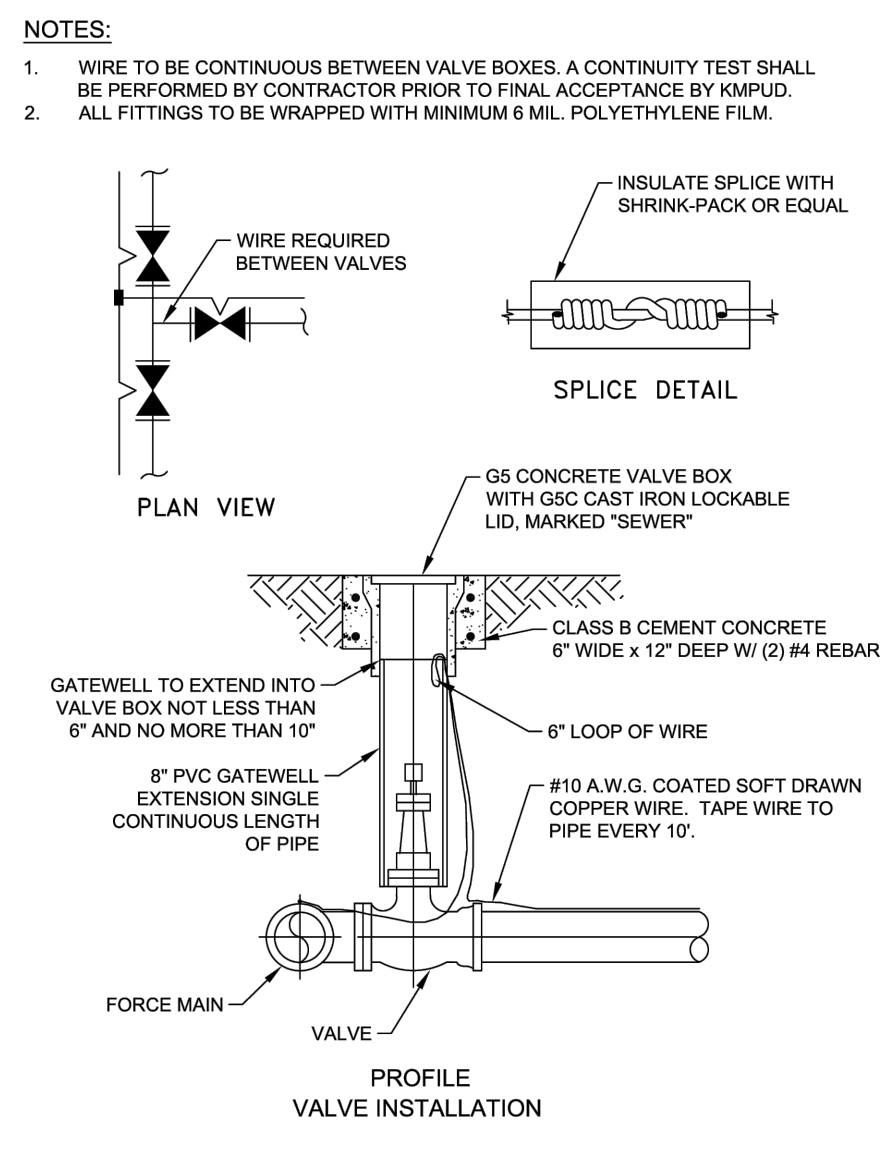


- NOTES:**
- EXCEPT AS NOTED HEREIN, THE PRECAST UNITS SHALL BE MANUFACTURED AND TESTED IN ACCORDANCE WITH ASTM C 478.
 - RISER SECTIONS SHALL BE REINFORCED IN ACCORDANCE WITH ASTM A108 AND SHALL HAVE A MINIMUM WALL THICKNESS OF 5".
 - THE 24" X 48" ECCENTRIC CONES SHALL BE REINFORCED. THE WALL THICKNESS SHALL BE NOT LESS THAN 5".
 - JOINTS SHALL BE TONGUE AND GROOVE AND SHALL CONFORM WITH ASTM C 478 SECTION 14.
 - ALL JOINTS SHALL BE SEALED WITH A PREFORMED PLASTIC OR RUBBER RING TO FORM A WATER-TIGHT SEAL.
 - IF 30" DIAMETER MANHOLE FRAME AND COVER IS REQUIRED, IT SHALL BE INSTALLED WHERE THE REDUCER RING IS SHOWN IN THE SECTION.
 - ALL REINFORCEMENT SHALL HAVE A MINIMUM OF 2" OF COVER OVER THE STEEL ON THE INSIDE FACE.
 - THE TOP OPENING OF THE MANHOLE SHALL BE PLACED DIRECTLY OVER THE OUTLET OF THE STRUCTURE EXCEPT AS OTHERWISE NOTED ON PLANS.
 - CONCRETE BASE AND STUB WALLS SHALL BE FORMED IN ONE OPERATION TO A POINT ABOVE THE INLET AND OUTLET PIPES. ALL PIPES SHALL BE RIGIDLY SUPPORTED BY TEMPORARY FIRMS OR OTHER METHODS DURING THE OPERATION. CONCRETE SHALL SET FOR 24 HOURS BEFORE PLACING PRECAST UNITS.
 - THE INTERIOR AND EXTERIOR OF MANHOLE CONCRETE RINGS, CONES AND RISERS SHALL BE COATED & SEALED WITH THORSOL OR EQUAL. THE INTERIOR OF MANHOLES WITH TURBULENT FLOWS SHALL BE COATED AND SEALED WITH 100 MILS OF HYDRO-POX 200 UHB OR EQUAL.
 - IN LOCATIONS WITH STANDING WATER, ALL JOINTS SHALL BE SEALED INTERIOR AND EXTERIOR WITH SWIFLEX 500S 1/2 MAX. OR APPROVED EQUAL.
 - PAINTIGHT COVERS SHALL BE PROVIDED FOR ALL MANHOLES.
 - MANHOLE BEDDING SHALL BE PER SPECIFICATIONS.
 - ECCENTRIC AND CONCENTRIC MANHOLES ARE ACCEPTED. CONTRACTOR MAY SUBMIT THEIR PREFERENCE FOR APPROVAL.

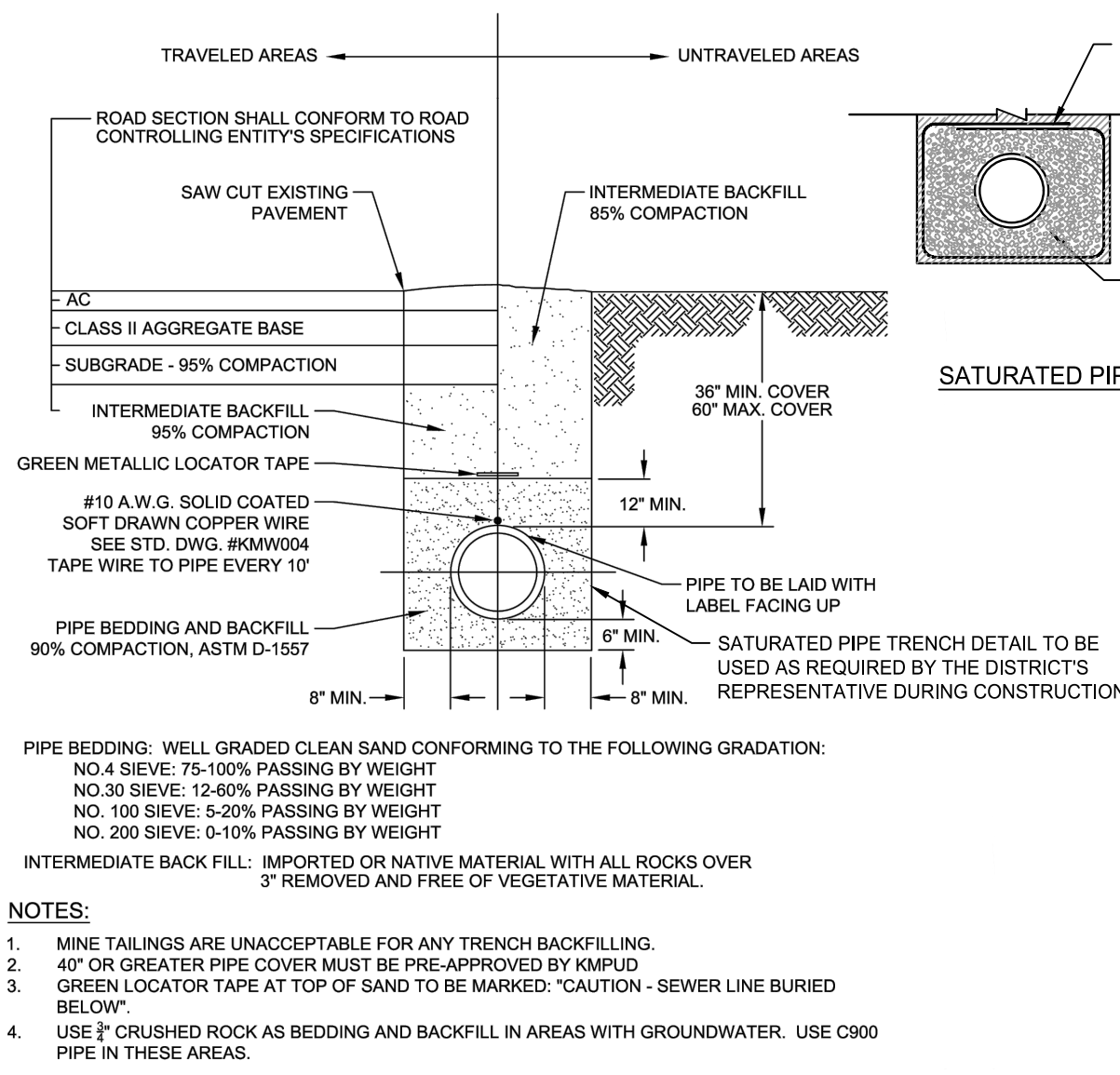
1 48" SSMH - DETAILS
NTS



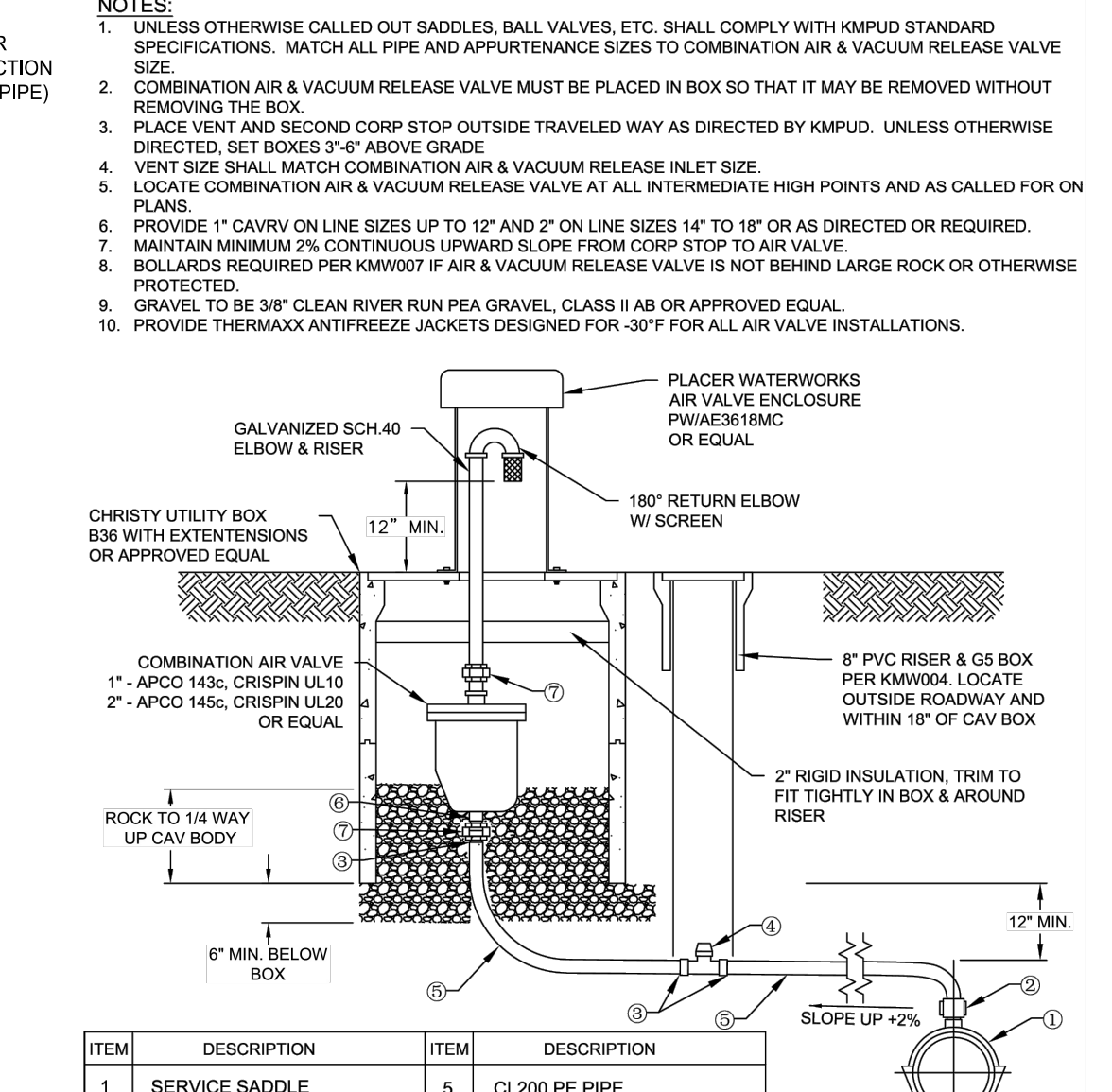
2 CASING & CARRIER PIPE - DETAILS
NTS



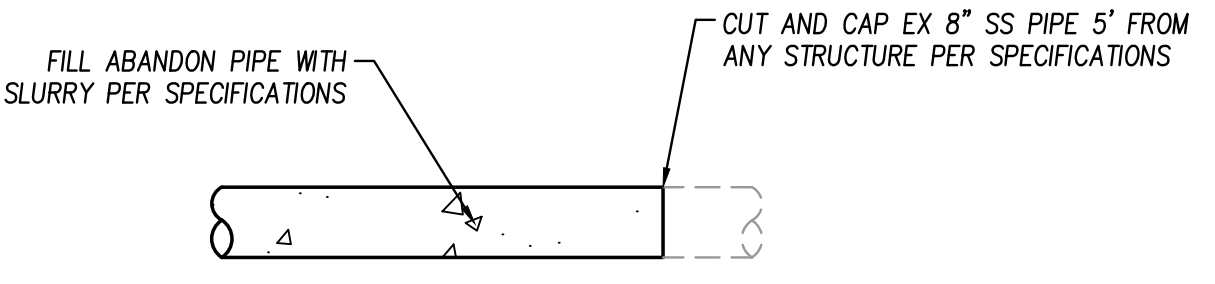
3 GATE VALVE AND VALVE BOX - DETAILS
NTS



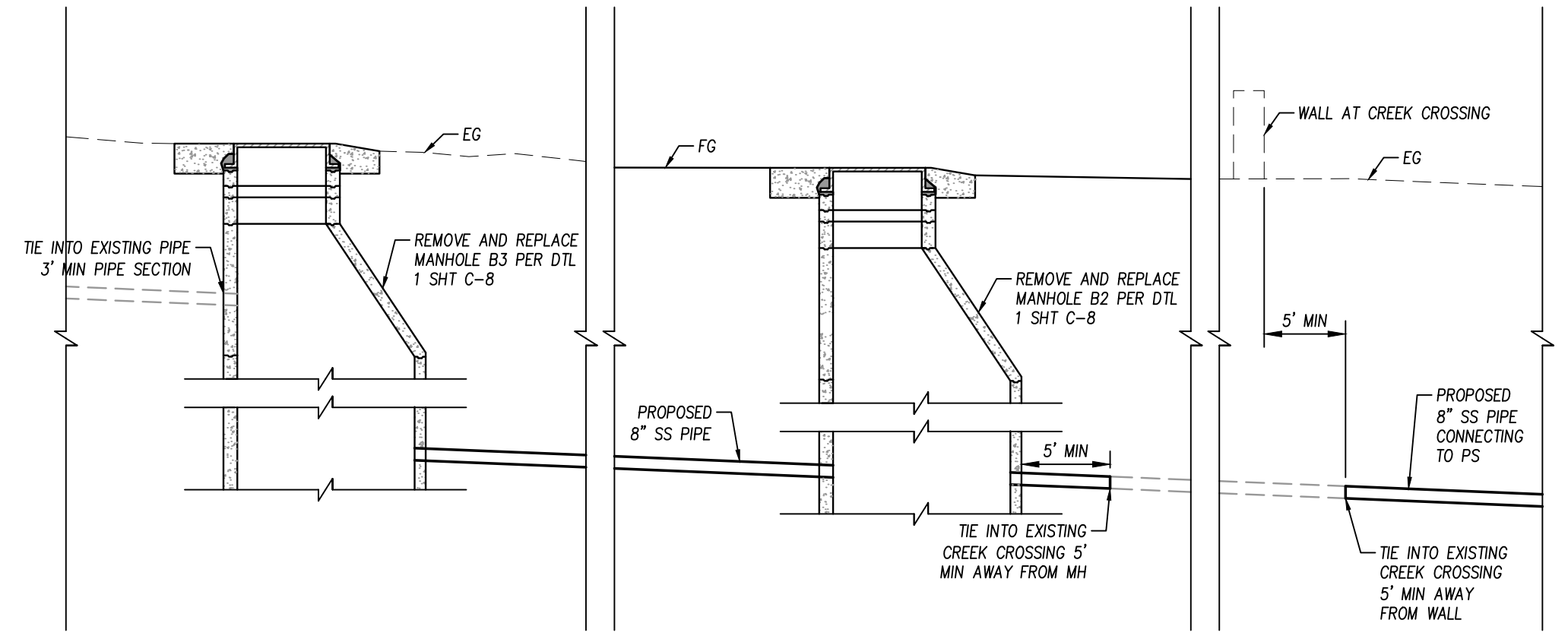
4 PIPE TRENCHING BEDDING AND BACKFILL - DETAILS
NTS



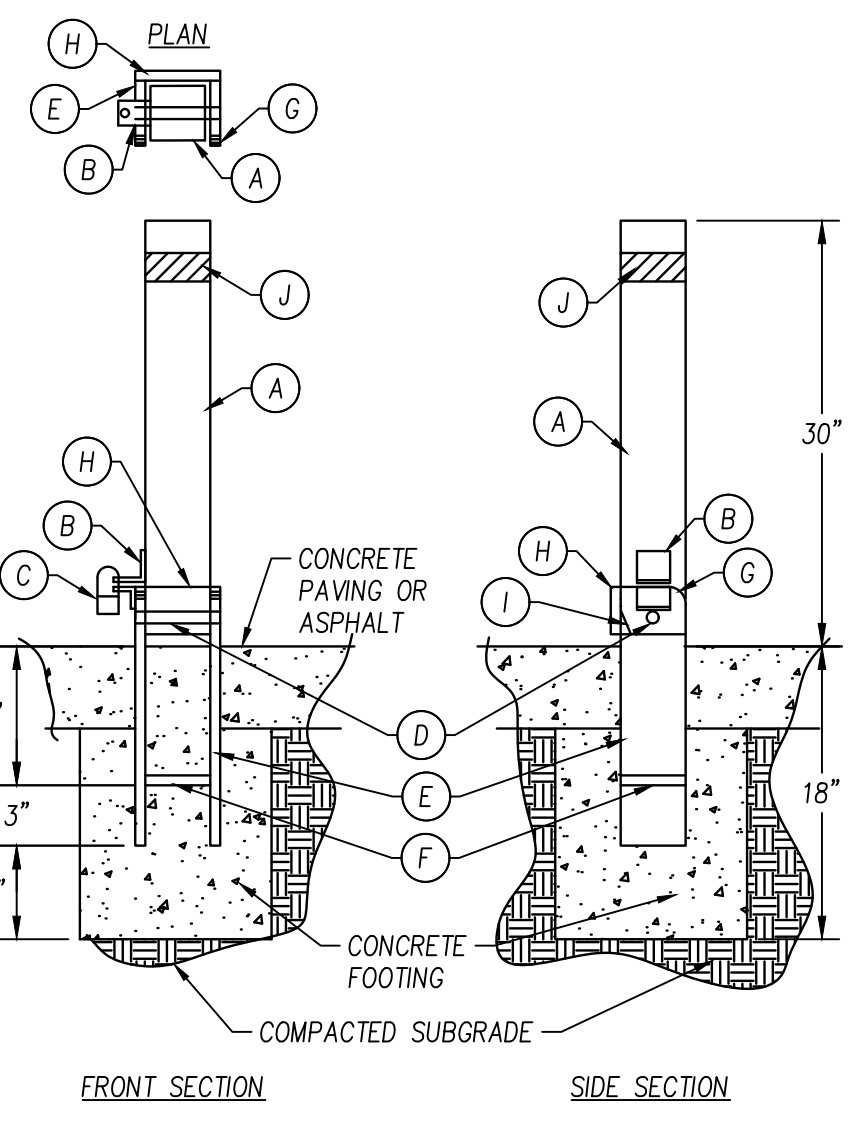
5 AIR & VACUUM RELEASE VALVE - DETAILS
NTS



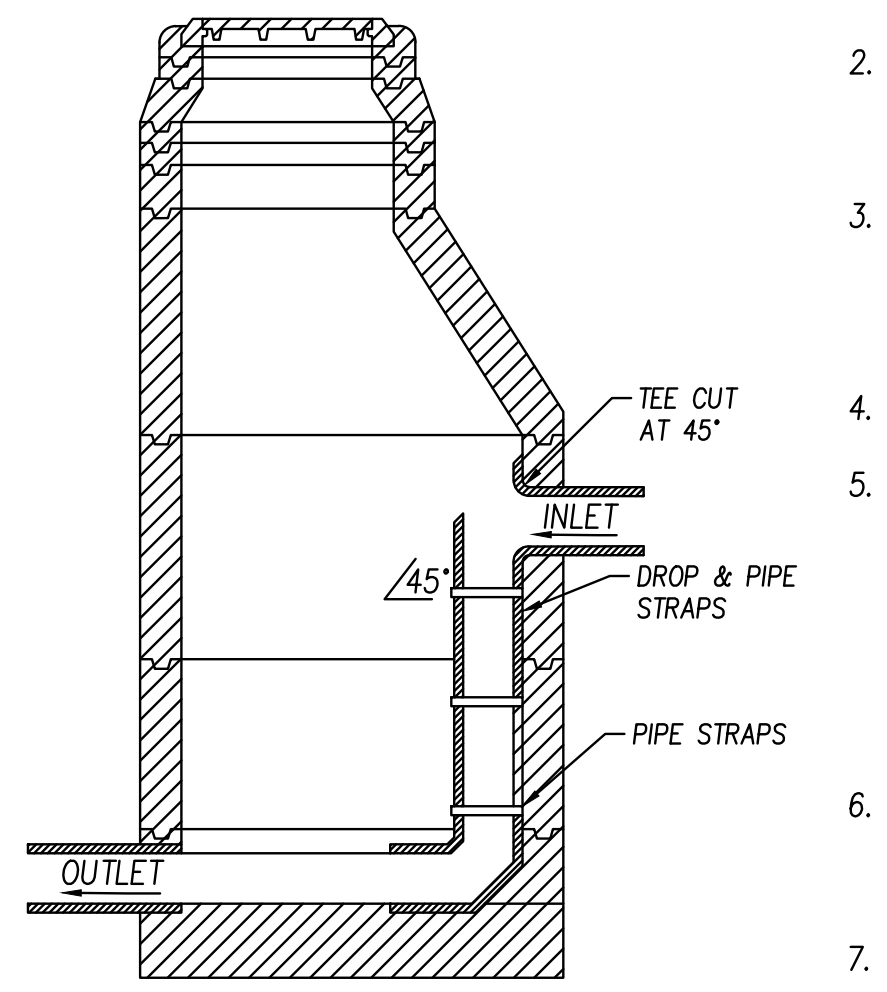
6 ABANDON PIPE DETAIL
NTS



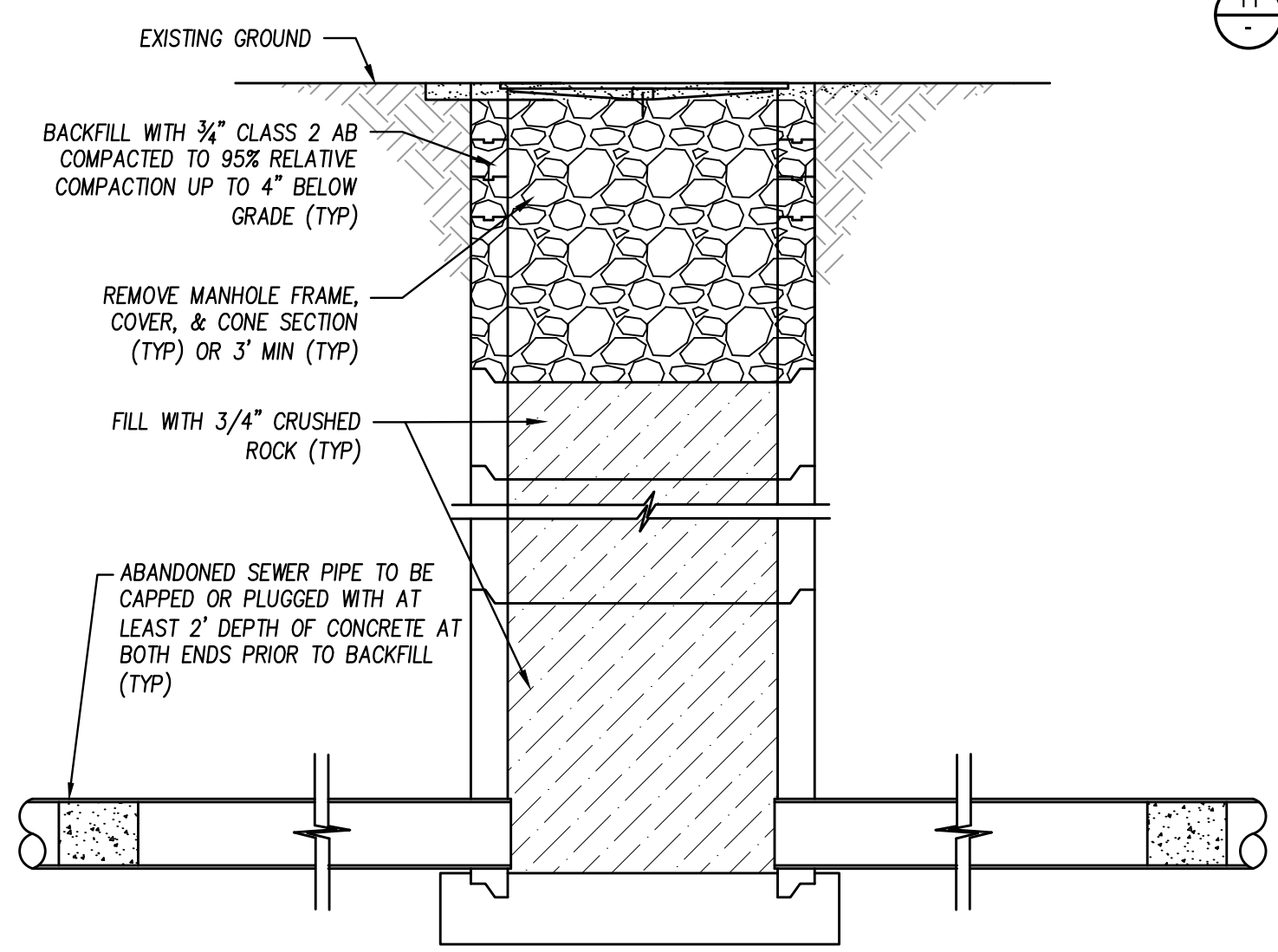
8 EXISTING PIPE TIE IN DETAIL
NTS



7 REMOVABLE BOLLARD - DETAILS
NTS



9 DROP MANHOLE DETAIL
NTS



10 MANHOLE AND PUMP STATION ABANDONMENT DETAIL
NTS

11 BOLLARD - DETAILS
NTS

- LEGEND**
- 3 1/2" O.D. 1/4" WALL STEEL TUBE WITH CAP WELDED ON TOP, 3/4" HOLES FOR SWIVEL ROD. EASE ALL EDGES OF STEEL TUBE.
 - 1 1/2" X 1 1/2" ANGLE IRON (2) WELDED TO TUBE AND BASE. PLACE 1/2" HOLE DRILLED 1/4" FROM END OF ANGLE IRON. ANGLE IRON ON BASE SIZE AS NECESSARY TO EQUAL LENGTH OF ANGLE IRON ON TUBE.
 - PADLOCK, TO BE PROVIDED BY CITY.
 - 5/8" DIA. STEEL SWIVEL ROD, WELD SWIVEL ROD TO SIDE PLATES.
 - 3/8" X 16" X 4" STEEL BASE PLATE WITH 1 1/2" RADIUS CORNERS. EASE ALL EDGES.
 - 3/8" STEEL BRACE. FILE WELD BOTH SIDES TO BASE PLATES.
 - 1 1/2" RADIUS CORNERS, TYP.
 - 4" X 4" X 3/8" STEEL BACK PLATE WELDED TO BASE PLATE.
 - FISH MOUTH GRIND AT BOTTOM BACK CORNER OF TUBE.
 - PLACE 2" WHITE REFLECTIVE TAPE.

- NOTES**
- ALL TUBING SHALL BE BLACK STEEL PIPE.
 - ALL JOINTS SHALL BE WELDED IN ACCORDANCE WITH CA STATE STANDARD SPECIFICATIONS FOR WELDING STRUCTURAL STEEL AND GROUND SMOOTH.
 - ALL PARTS (EXCEPT PADLOCK) SHALL BE PAINTED WITH TWO COATS ZINC CHROMATE PRIMER AND TWO COATS EXTERIOR ENAMEL. COLOR: YELLOW.
 - BOLLARD SHALL BE INSTALLED SUCH THAT IT LAYS FLAT WHEN FOLDED.
 - CONCRETE SHALL BE "MINOR CONCRETE" AS DEFINED IN SECTION 90-2 OF THE CALTRANS STANDARD SPECIFICATIONS.

- NOTES**
- ALL PIPE FOR THE DROP INLET SHALL BE OF THE SAME SIZE, TYPE AND MATERIALS AS THE INLET PIPE.
 - PRECAST CONCRETE MANHOLES SHALL BE PLUGGED DURING FABRICATION AT REQUIRED LOCATIONS TO PROVIDE FOR SEWER PIPE INLETS AND OUTLETS.
 - WHEN THE PROJECT PLANS INDICATE TWO OR MORE DROP INLETS ARE REQUIRED IN A SINGLE MANHOLE, EACH DROP INLET SHALL BE CONSTRUCTED AS A SEPARATE DROP INLET.
 - DROP PIPE SHALL BE FLUSH WITH THE INSIDE OF THE MANHOLE BARREL.
 - PIPE STRAPS SHALL BE FASTENED TO THE WALL WITH 3" STAINLESS STEEL WEDGE ANCHOR BOLTS OR EPOXY ANCHORS. STRAPS SHALL BE MADE OF 2" MINIMUM WIDTH, 10 GAUGE, TYPE 304 STAINLESS STEEL. STRAPS SHALL BE SPACED EVERY 4' ON CENTER WITH A 3 STRAP MINIMUM.
 - EXCEPT AS NOTED HEREIN OR ON APPROVED PROJECT PLANS, MANHOLES SHALL CONFORM TO STANDARD SEWER MANHOLE DETAIL 1 SHEET C-8.
 - MANHOLE BEDDING SHALL BE PER THE SPECIFICATIONS.

- NOTES**
- WORK INVOLVING ABANDONED PIPELINES AND STRUCTURES SHALL ADHERE TO SECTION 6.4 OF ALPINE COUNTY STANDARD CONSTRUCTION SPECIFICATIONS.

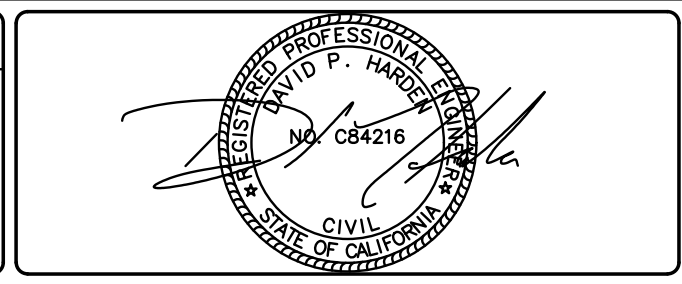
LogIn Name: keshore... 2/24/2024 10:56 am... Documents\Projects\14202-200-UPID-Sewer Pump Station Relocation\02-PLANS\MASTERS\SHEETS\14202-200_C-9_DETAILS.dwg
 File Name: C:\Users\keshore\Documents\Projects\14202-200-UPID-Sewer Pump Station Relocation\02-PLANS\MASTERS\SHEETS\14202-200_C-9_DETAILS.dwg
 XREFS: BR-14202-200_H_22-23 1 14202-200_DH_STAMPASGN

NO.	REVISIONS	BY	DATE

BENCH MARK ELEV: 5505.20 DATUM: NAVD88
 DESCRIPTION: THIS BENCHMARK IS BEING A STANDARD BRASS DISC STAMPED H194 1934 SET IN THE WEST END OF THE NORTHWEST WING-WALL OF BRIDGE 1302 OVER MARKLEEVILLE CREEK ON STATE HIGHWAY 4 LOCATED ON THE SOUTH-SIDE OF MRKLEEVILLE

DESIGN BY: G. RODELL
 DRAWN BY: A. HOLLADAY
 CHECKED BY: D. HARDEN
 SCALE: N/A
 DATE: 9/19/2024
 PROJ NO.: 14202-200

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



BEN EN
 TRUSTED ENGINEERING ADVISORS
 Bennett Engineering Services
 1082 Sunrise Avenue, Suite 100
 Roseville, California 95661
 T 916.783.4100
 F 916.783.4110

MARKLEEVILLE PUBLIC UTILITY DISTRICT PUMP STATION RELOCATION PROJECT
 MARKLEEVILLE PUBLIC UTILITY DISTRICT
 CALIFORNIA

ABBREVIATIONS

A	AMPERES
AC	ALTERNATING CURRENT
AICS	AMPERES INTERRUPTING CAPACITY, SYMMETRICAL
AWG	AMERICAN WIRE GAUGE
C	CONDUIT
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CPT	CONTROL POWER TRANSFORMER
DC	DIRECT CURRENT
DISC	DISCONNECT
DWG	DRAWING
E	EXISTING
ELEV	ELEVATION
EMT	ELECTRICAL METALLIC TUBING
EYS	HAZARDOUS SEAL OFF FITTING
FLA	FULL LOAD AMPS
G, GND	GROUND
GRS	GALVANIZED RIGID STEEL
HDG	HOT DIPPED GALVANIZED
HH	HANDHOLE
HOA	HAND OFF AUTOMATIC
HP	HORSEPOWER
HR	HOUR
Hz	HERTZ
JTB	JUNCTION TERMINAL BOX
KVA	KILOVOLT AMPERES
KW	KILOWATT
LA	LIGHTNING ARRESTOR
LT	LEVEL TRANSDUCER
LTG	LIGHTING
M	MOTOR, MODIFY
MANU	MANUFACTURER
MA	MILLIAMPERE
MCC	MOTOR CONTROL CENTER
MCB	MAIN CIRCUIT BREAKER
MCP	MOTOR CIRCUIT PROTECTOR
MIN	MINIMUM
MS	MOISTURE SENSOR
MTS	MANUAL TRANSFER SWITCH
N	NEUTRAL, NEW
NC	NORMAL CLOSED
NEMA	NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION
NO	NORMAL OPEN
OIT	OPERATOR INTERFACE TERMINAL
Q/L'S	OVERLOADS
P	POLE
PB	PULL BOX, PUSH BUTTON
PCP	PUMP CONTROL PANEL
PH, Ø	PHASE
PFR	POWER FAIL RELAY
PLC	PROGRAMMABLE LOGIC CONTROLLER
PS	PRESSURE SWITCH
PT	POTENTIAL TRANSFORMER
PVC	POLYVINYL CHLORIDE
PVC-GRS	PVC COATED GALVANIZED STEEL
RECP	RECEPTACLE
RGS	RIGID GALVANIZED STEEL CONDUIT
SPD	SURGE PROTECTIVE DEVICE
SS	STAINLESS STEEL
SW	SWITCH
TM	THERMAL MAGNETIC
TS	TEMPERATURE SWITCH
TWSP	TWISTED SHIELDED PAIR
TYP	TYPICAL
UF	UPS FAIL
UON	UNLESS OTHERWISE NOTED
V	VOLT
VAC	VOLTS AC
W/	WITH
WP	WEATHERPROOF
XFMR	TRANSFORMER

ELECTRICAL SYMBOLS – PLANS

SYMBOL	SYMBOLS DESCRIPTION
	FEEDER DESIGNATION SEE SCHEDULE OR ONE LINE DIAGRAM FOR SIZE
	CONDUIT ENCASED
	CONDUIT EXPOSED
	CONDUIT BENDS TOWARD OBSERVER
	CONDUIT BENDS AWAY FROM OBSERVER
	CONDUIT SEAL (HAZARDOUS LOCATION)
	MOTOR CONNECTION
	DETAIL CALLOUT- X, DETAIL IDENTIFIER. Y- SHEET WHERE DETAIL IS REFERENCED Z- SHEET WHERE DETAIL IS DRAWN
	JUNCTION BOX OR PULLBOX
(E)	EXISTING TO REMAIN
(D)	EXISTING TO BE DEMOLISHED.
	GROUND ROD AND WELL

ELECTRICAL SYMBOLS – SCHEMATIC DIAGRAMS

NORMALLY OPEN	NORMALLY CLOSED	DEVICE
		CONTACT
		PUSH BUTTON SINGLE CIRCUIT MOMENTARY CONTACT
		LIQUID FLOAT LEVEL SWITCH
		TEMPERATURE SWITCH
		TIME CONTACT
		CONTACT ACTION DELAYED ON DE-ENERGIZATION
		CONTACT ACTION DELAYED ON DE-ENERGIZATION
		SELECTOR SWITCH (H-O-A)
		MOTOR OVERLOAD RELAY CONTACT
		MOTOR OVERLOAD HEATER
		PILOT LIGHT R=RED, W=WHITE, G=GREEN, A=AMBER PUSH TO TEST, LED
(R)		RELAY
(TD)		TIME DELAY RELAY
(M)		STARTER COIL
		MOTOR
		BELL OR BUZZER
		FUSE
		CONTROL POWER TRANSFORMER
		GROUND
		WIRING IN MOTOR STARTER OR CONTROL PANEL
		FIELD WIRING
		WIRE TERMINAL IN MOTOR STARTER OR CONTROL PANEL
(PFR)		PHASE/POWER FAILURE RELAY
		CIRCUIT BREAKER

ELECTRICAL SYMBOLS – SINGLE LINE DIAGRAM

	CIRCUIT BREAKER, 3 POLE UNLESS NOTED
	MAGNETIC MOTOR STARTER, NEMA SIZE INDICATED FVNR=FULL-VOLTAGE NON-REVERSING 2S, 2W = 2 SPEED, 2 WINDING
	SWITCH
	FUSE
(15)	MOTOR, 15 HORSEPOWER
	GROUND
(PFR)	POWER FAILURE RELAY

WIRE COLOR CODE TABLE

DESCRIPTION	PHASE/CODE LETTER	WIRE OR TAPE COLOR
480V, 3P	A	BROWN
	B	ORANGE
	C	YELLOW
240/120V, 1P	L1	BLACK
	L2	RED
AC CONTROL		RED
DC CONTROL		BLUE
FOREIGN VOLTAGE		YELLOW
NEUTRAL	N	WHITE
GROUND	G	GREEN
SHIELDED PAIR	+	BLACK
	-	CLEAR (WHITE)

TERMINAL BLOCK COLOR CODE TABLE

DESCRIPTION	TERMINAL BLOCK COLOR
DC WIRING	BLUE
AC WIRING	BEIGE

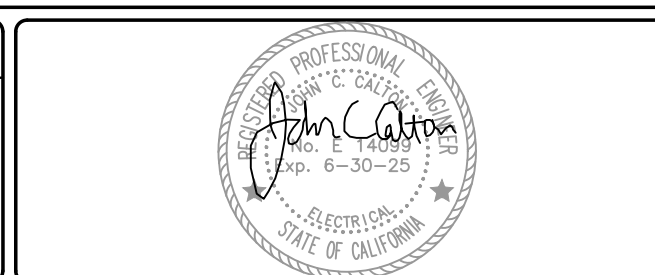
Login Name: kconan_02_024...
 File Name: C:\Users\kconan\AppData\Local\Temp\AutoCAD-1885A\GE-01_03.dwg
 REFID: Z808-2202_J_22024

NO.	REVISIONS	BY	DATE

BENCH MARK ELEV: XX DATUM: XX
 DESCRIPTION:
 HORIZONTAL DATUM: NAD83 (2011) CA STATE
 PLANE ZONE 2; VERTICAL DATUM: NAVD88

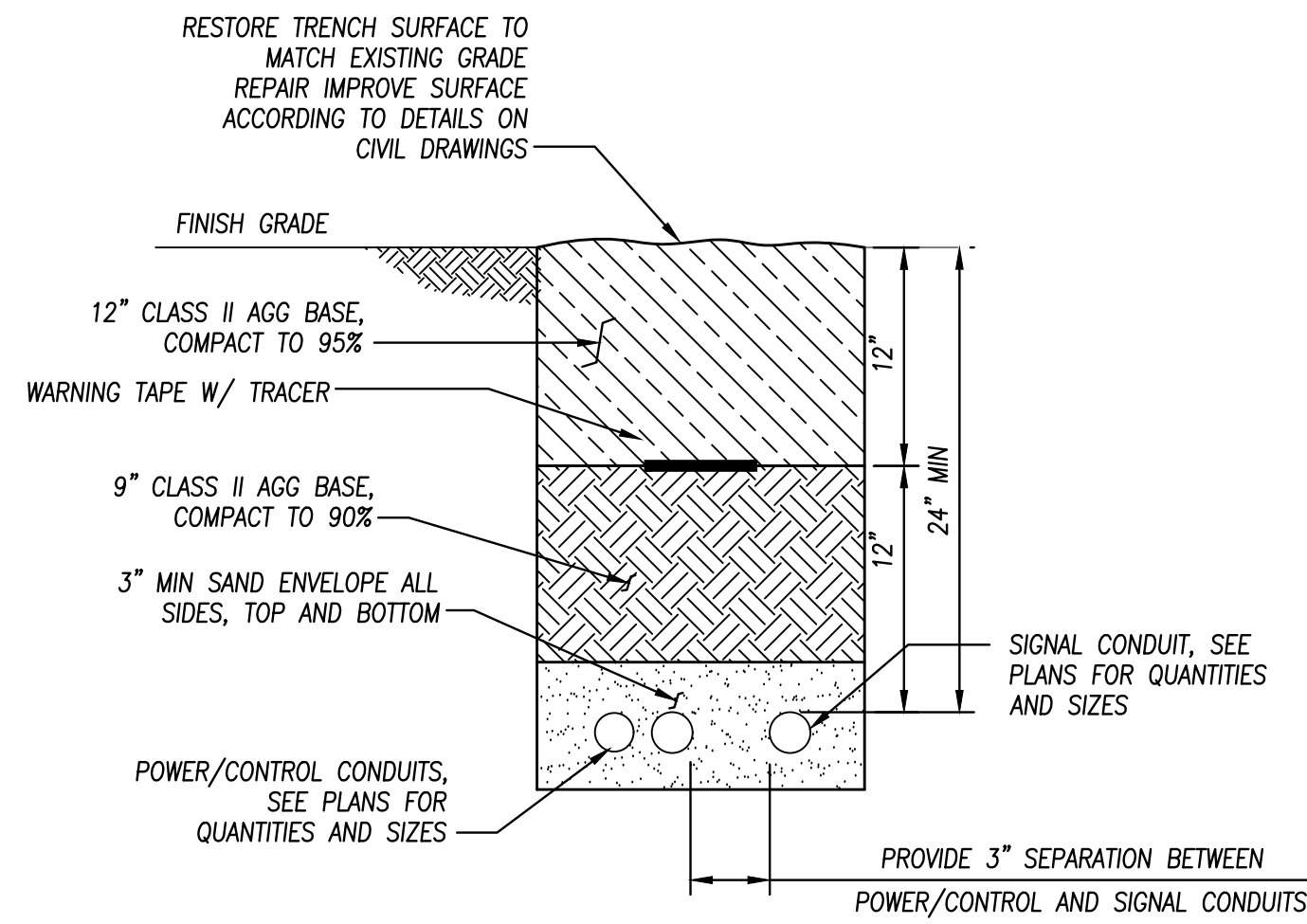
DESIGN BY: J.CALTON
 DRAWN BY: K.CHUNG
 CHECKED BY: J.CALTON
 SCALE: AS SHOWN
 DATE: 8/22/2024
 PROJ NO.: 14202-200

VERIFY SCALE
 BAR IS ONE INCH ON ORIGINAL DRAWING.
 0 1"

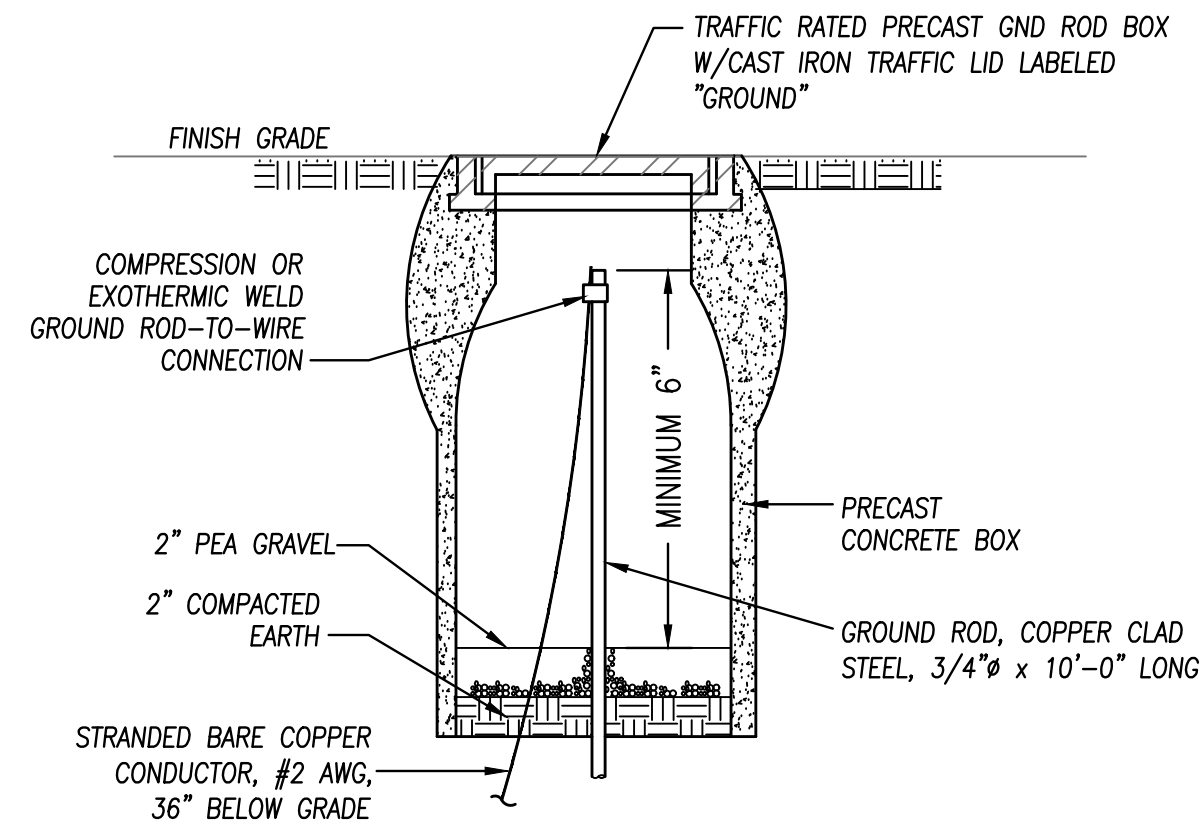


Bennett Engineering Services
 1082 Sunrise Avenue, Suite 100
 Roseville, California 95661
 T 916.783.4100
 F 916.783.4110

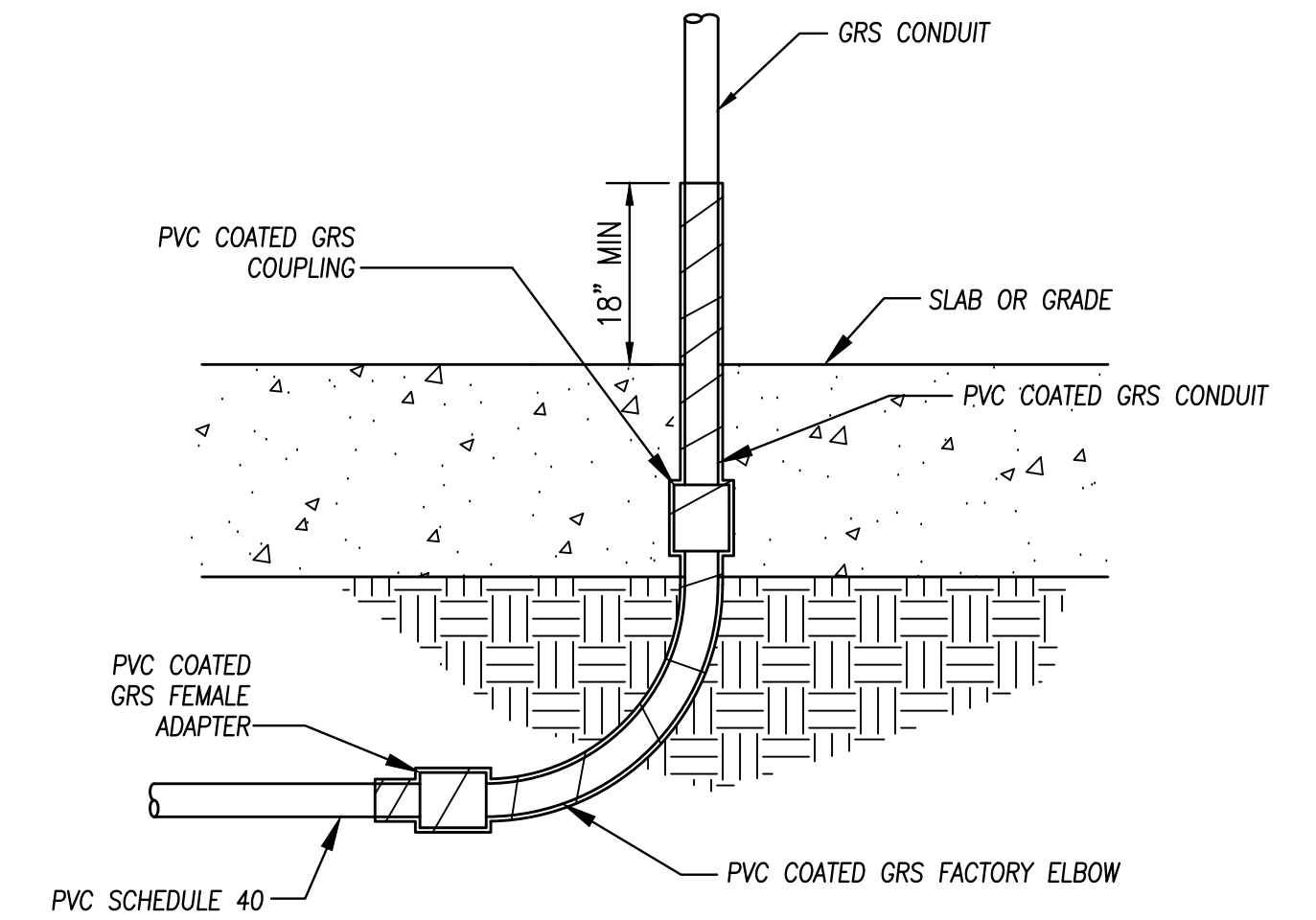
MARKLEEVILLE PUBLIC UTILITY DISTRICT PUMP STATION RELOCATION PROJECT
 ELECTRICAL ABBREVIATIONS AND SYMBOLS
 MARKLEEVILLE PUBLIC UTILITY DISTRICT CALIFORNIA



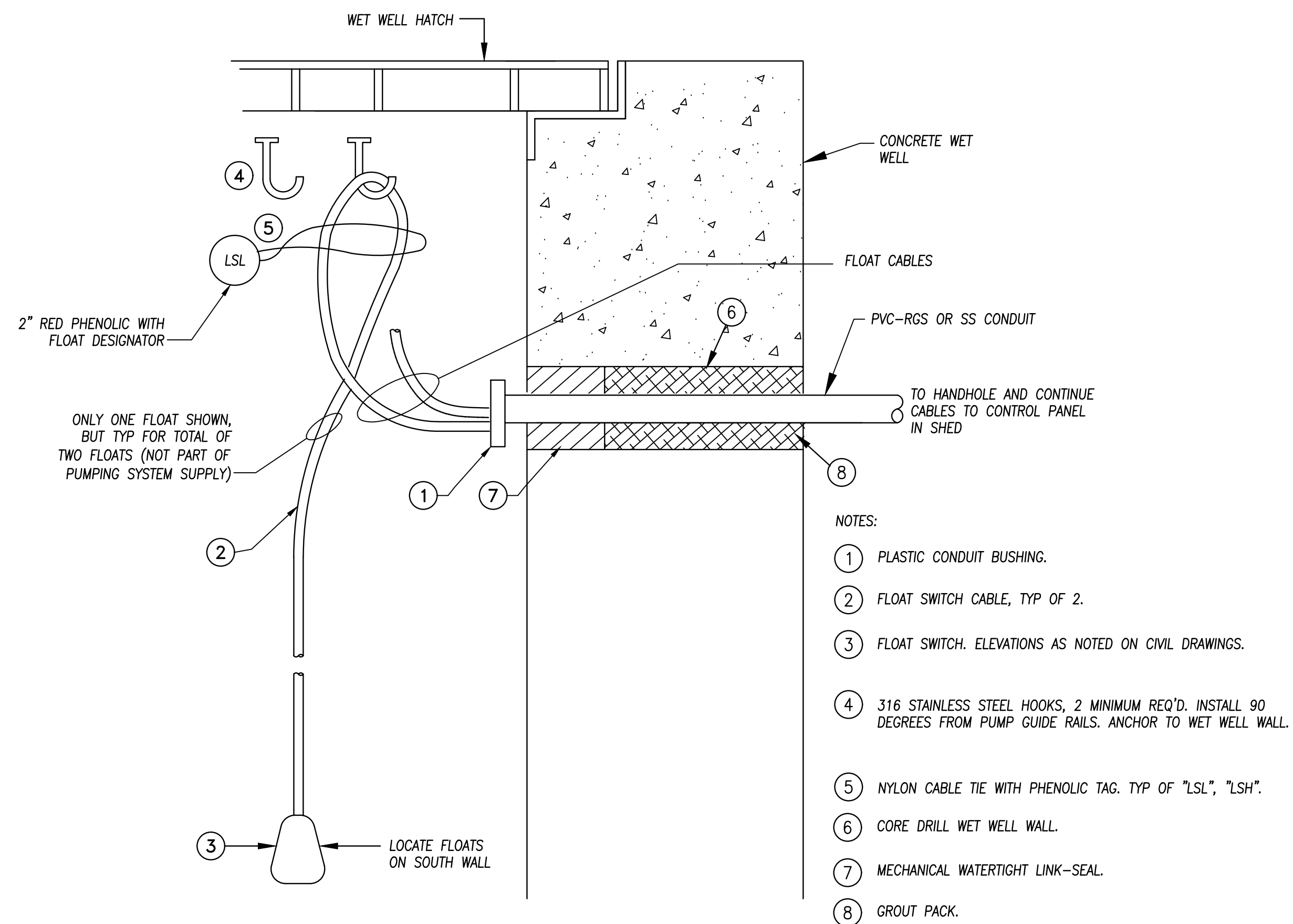
1 UNDERGROUND CONDUIT DETAIL (NOT UTILITY)
- NOT TO SCALE



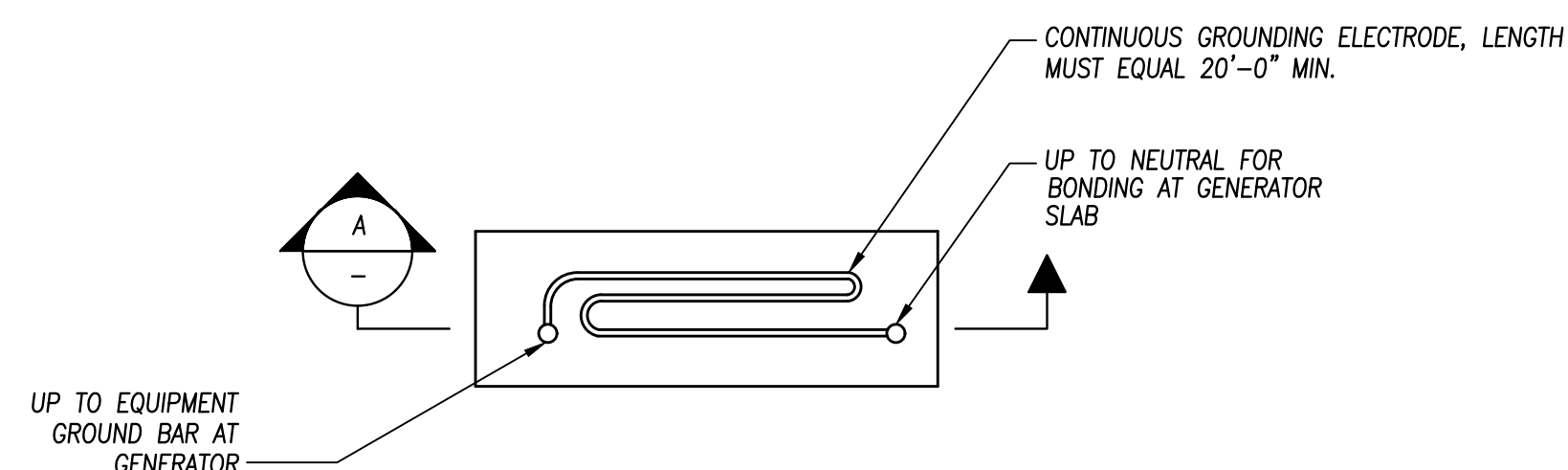
2 GROUND ROD BOX DETAIL
- NOT TO SCALE



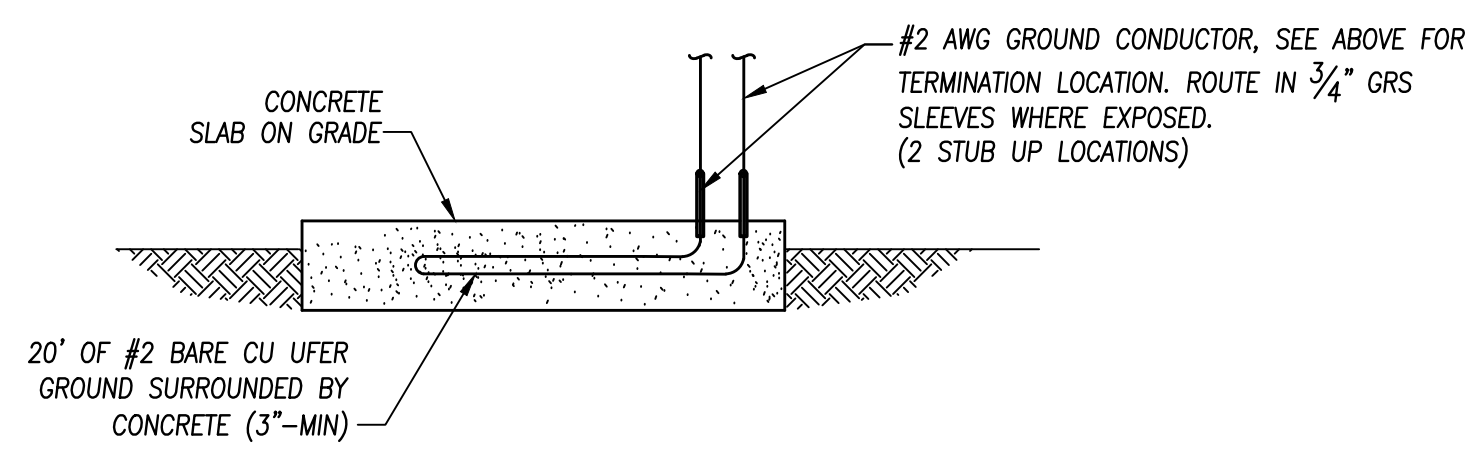
3 EXPOSED CONDUIT STUB-UP DETAIL
- NOT TO SCALE



4 CONTROL PANEL FLOAT SWITCHES
- NOT TO SCALE



PLAN VIEW



A SECTION
- NOT TO SCALE

5 UFER GROUND DETAIL
- NOT TO SCALE

- NOTES:
- 1 PLASTIC CONDUIT BUSHING.
 - 2 FLOAT SWITCH CABLE, TYP OF 2.
 - 3 FLOAT SWITCH. ELEVATIONS AS NOTED ON CIVIL DRAWINGS.
 - 4 316 STAINLESS STEEL HOOKS, 2 MINIMUM REQ'D. INSTALL 90 DEGREES FROM PUMP GUIDE RAILS. ANCHOR TO WET WELL WALL.
 - 5 NYLON CABLE TIE WITH PHENOLIC TAG. TYP OF "LSL", "LSH".
 - 6 CORE DRILL WET WELL WALL.
 - 7 MECHANICAL WATERTIGHT LINK-SEAL.
 - 8 GROUT PACK.

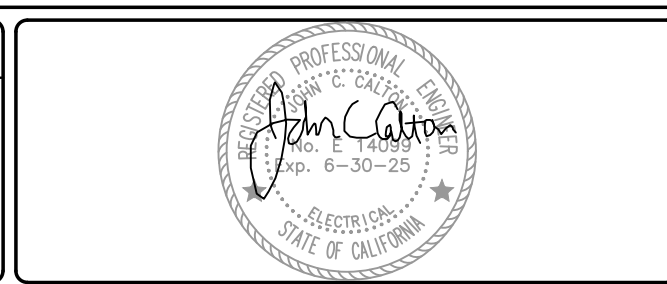
Login Name: kconcom
 User Name: C:\Users\kconcom\AppData\Local\Temp\AutoCAD-1685A\GE-01_03.dwg
 File Name: C:\Users\kconcom\AppData\Local\Temp\AutoCAD-1685A\GE-01_03.dwg
 REF: Z:\BOM-2202_J_22024

NO.	REVISIONS	BY	DATE

BENCH MARK ELEV: XX DATUM: XX
DESCRIPTION: HORIZONTAL DATUM: NAD83 (2011) CA STATE PLANE ZONE 2; VERTICAL DATUM: NAVD88

DESIGN BY: J.CALTON
DRAWN BY: K.CHUNG
CHECKED BY: J.CALTON
SCALE: AS SHOWN
DATE: 8/22/2024
PROJ NO.: 14202-200

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



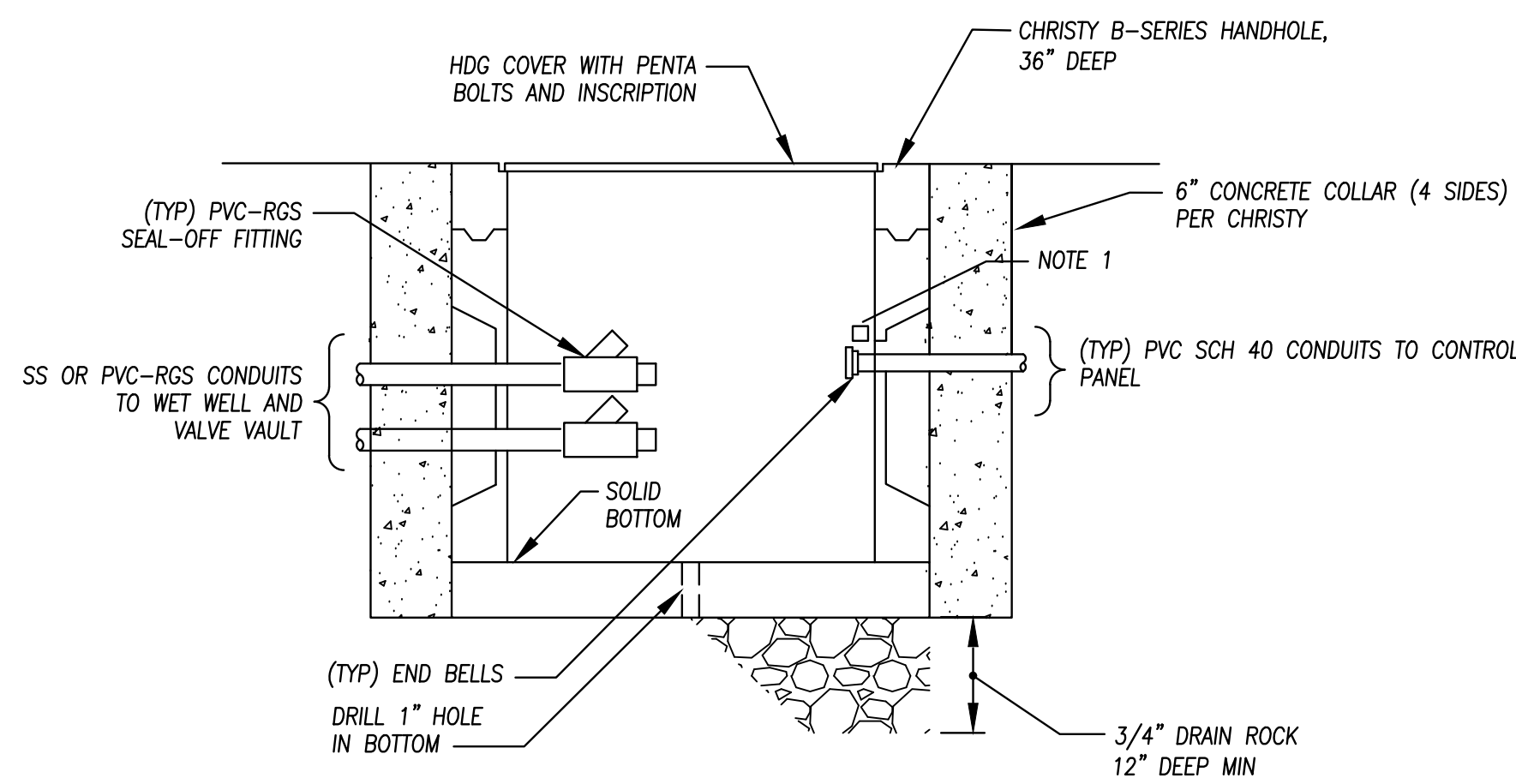
BEN EN
TRUSTED ENGINEERING ADVISORS

Bennett Engineering Services
1082 Sunrise Avenue, Suite 100
Roseville, California 95661
T 916.783.4100
F 916.783.4110

MARKLEEVILLE PUBLIC UTILITY DISTRICT PUMP STATION RELOCATION PROJECT

ELECTRICAL
DETAILS - SHEET 1 OF 2

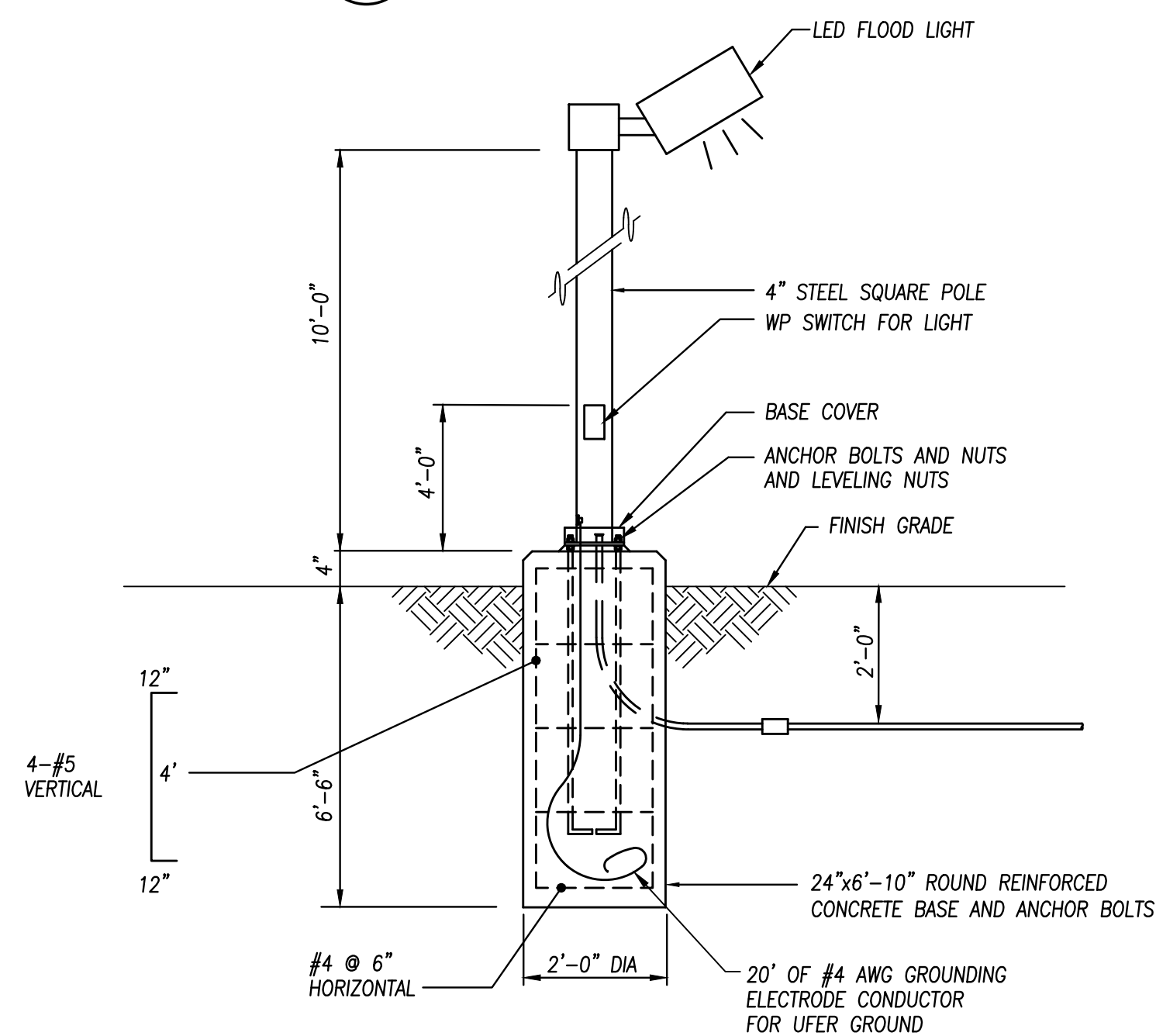
MARKLEEVILLE PUBLIC UTILITY DISTRICT CALIFORNIA



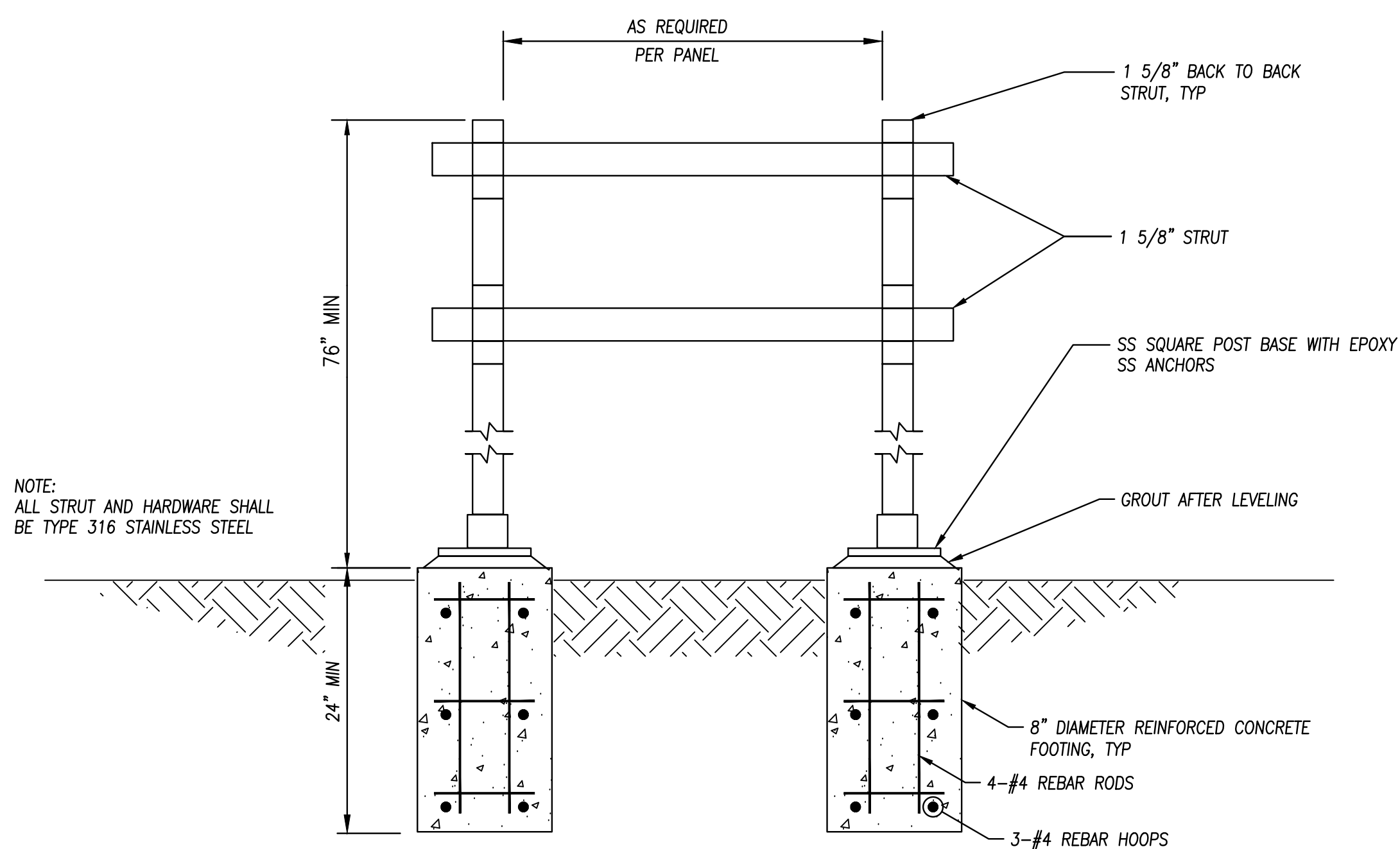
NOTES:

1. PROVIDE AND INSTALL PHENOLIC TAG, INSCRIBED WITH CONDUIT NUMBER, ATTACHED TO EACH CONDUIT.
2. SPACE SEAL OFF FITTINGS SUCH THAT EACH CAN BE REMOVED INDIVIDUALLY, APPROXIMATELY 3" EDGE TO EDGE.

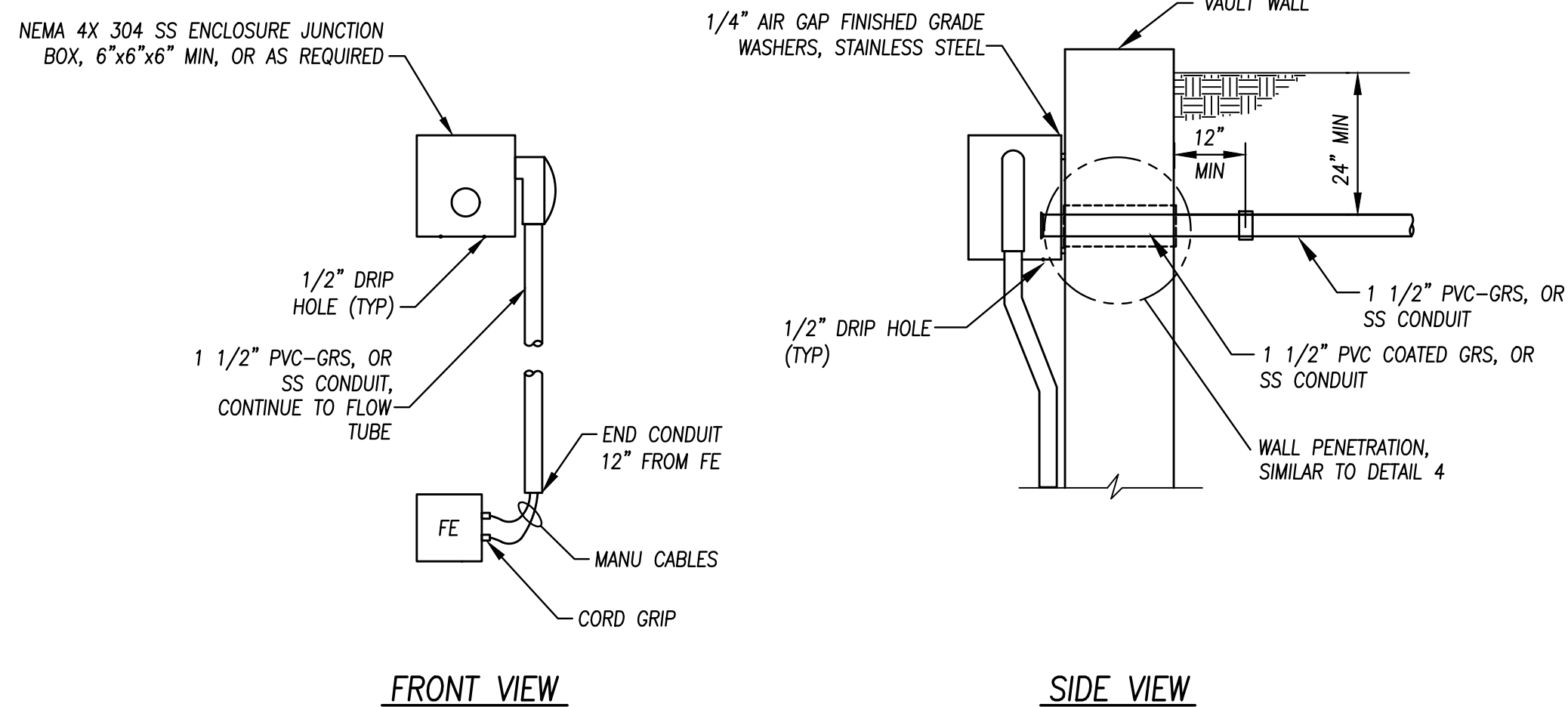
11 PRE-CAST HANDHOLE
- NOT TO SCALE



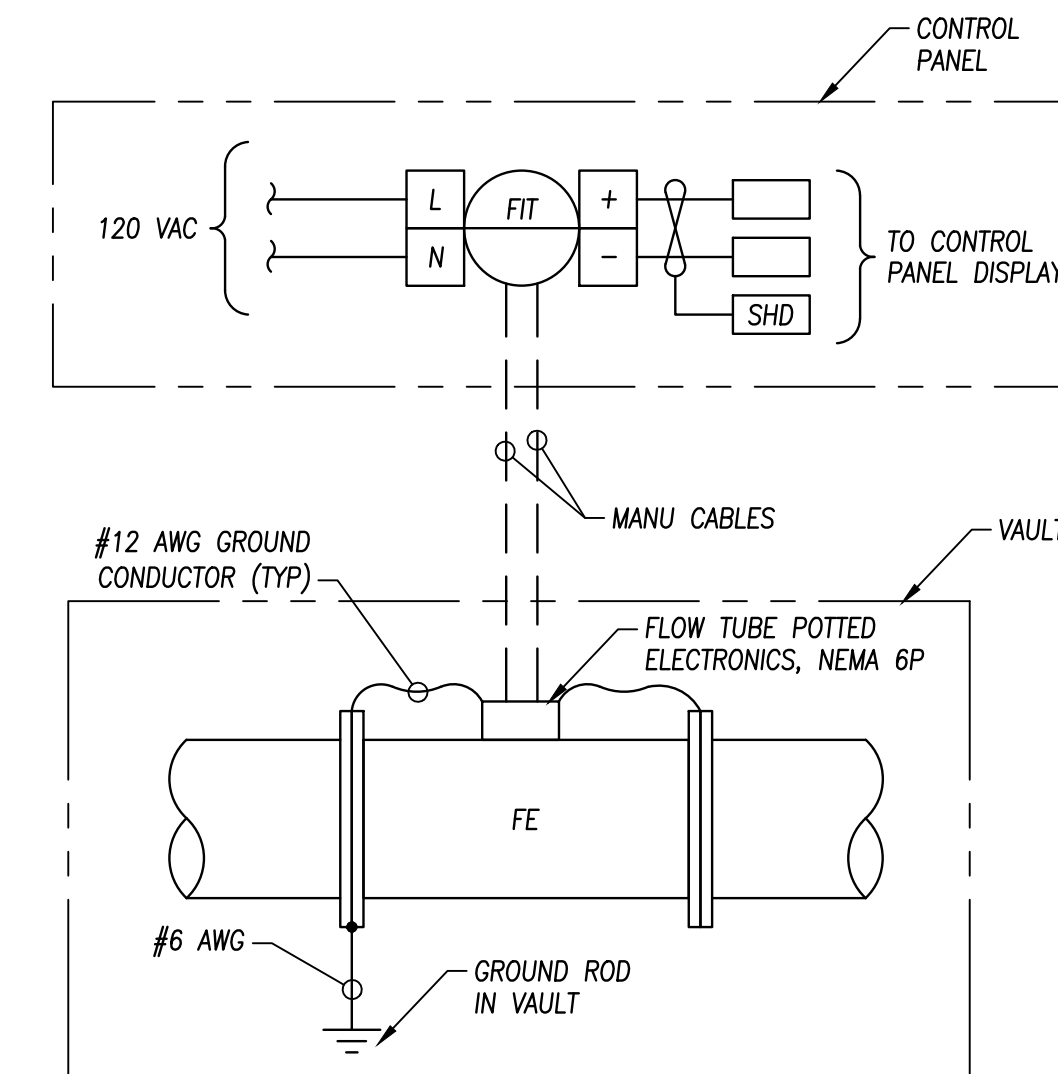
14 SITE LIGHT POLE DETAIL
- NOT TO SCALE



12 STANCHION
- NOT TO SCALE



15 JUNCTION BOX, FLOW VAULT DETAIL
- NOT TO SCALE



13 FLOW METERING WIRING DETAIL
- NOT TO SCALE

		FIXTURE SCHEDULE			
TYPE	VAC	DESCRIPTION	LAMPS	MOUNTING	MANUFACTURER / MODEL NO.
A	120	SITE FLOOD LIGHT POLE TO BE 10' HEIGHT, 4.0" SQUARE STEEL POLE WITH REQUIRED TOP MOUNTING FOR LED FLOOD LIGHT. PROVIDE ADDITIONAL HANDHOLE ON POLE AT 4' ABOVE BASE FOR FIELD INSTALL OF WP SWITCH FOR LIGHT OPERATION, SIDE B. PROVIDE WITH ANCHOR BOLTS AND BASE COVER. BOTH POLE AND FIXTURE TO BE DARK BRONZE. FIXTURE TO BE DIE CAST ALUMINUM HOUSING. FIXTURE FINISH TO BE ZINC INFUSED DURABLE THERMOSET POWDER COAT FINISH, CORROSION RESISTANT. 3000K COLOR TEMPERATURE. FLOOD TYPE DISTRIBUTION. HIGH EFFICIENCY LEDS, MULTIVOLT DRIVER. PHOTOCCELL CONTROL. INCLUDE UPPER VISOR. UL LISTED FOR WET LOCATIONS. 5 YEAR WARRANTY.	LED FIXTURE AT 42 WATTS AT 4,889 LUMENS	10' SQUARE STRAIGHT STEEL POLE, 4.0" BASE. HOT DIPPED GALVANIZED ANCHOR BOLTS, WITH BASE COVER	FIXTURE: LITHONIA DSXF1-LED-P2-30K-FL-MVOLT-IS-PE-UBV(UPPER)-DDBXD. POLE: LITHONIA SSS-10'-4C-T20-EH4'B-DDBXD. LIGHT TO BE WIRED FOR SINGLE CIRCUIT CONTROL AND SWITCHED WITH SINGLE TOGGLE SWITCH (LOCATED AT POLE). CONTRACTOR TO INSTALL WEATHERPROOF SWITCH AND COVER AT ADDITIONAL HANDHOLE LOCATED 4' ABOVE BASE.
B	120	SHED WALL LIGHT FIXTURE LED, SUITABLE FOR DAMP ENVIRONMENT. LED TYPE WITH 4000K COLOR TEMPERATURE. HOUSING TO BE ROLLED FORMED STEEL, WHITE POWDER COAT FINISH. PROVIDE WITH SURFACE CONDUIT END CAPS. 5 YEAR WARRANTY	LED FIXTURE AT 40 WATTS AT 4,235 LUMENS	WALL MOUNT	FIXTURE: LITHONIA WL4-40L-MVOLT-LP840-(NO CONTROLS)-SC-(WHITE FINISH)

16 FIXTURE SCHEDULE
- NOT TO SCALE

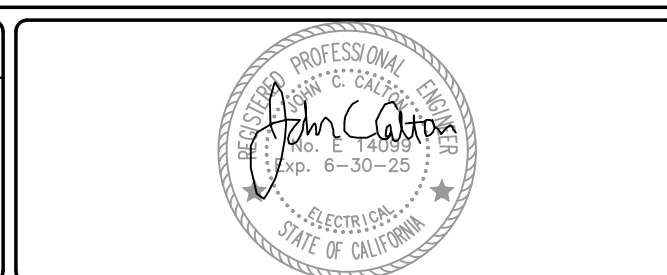
Login Name: kconan_02_0224_5:47 PM; File Path: \\p01\p01\proj\18864\GE-01_03.dwg
 File Name: C:\Users\kconan_0224_5\AppData\Local\Temp\AutoCAD-18864\GE-01_03.dwg
 REF: Z000-2202_1_22024

NO.	REVISIONS	BY	DATE

BENCH MARK ELEV: XX DATUM: XX
 DESCRIPTION:
 HORIZONTAL DATUM: NAD83 (2011) CA STATE
 PLANE ZONE 2; VERTICAL DATUM: NAVD83

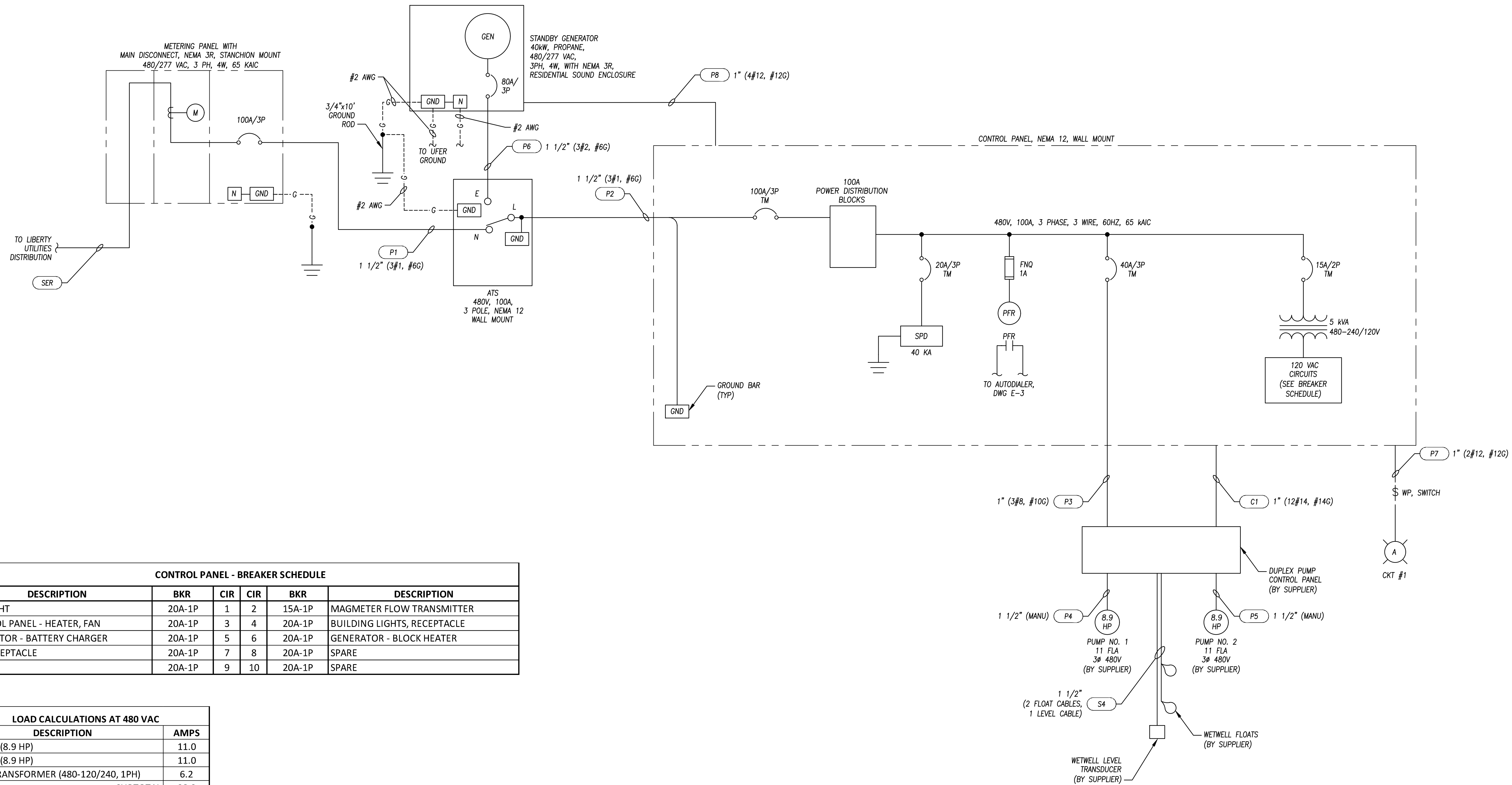
DESIGN BY: J.CALTON
 DRAWN BY: K.CHUNG
 CHECKED BY: J.CALTON
 SCALE: AS SHOWN
 DATE: 8/22/2024
 PROJ NO.: 14202-200

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



BEN EN
 TRUSTED ENGINEERING ADVISORS
 Bennett Engineering Services
 1082 Sunrise Avenue, Suite 100
 Roseville, California 95661
 T 916.783.4100
 F 916.783.4110

MARKLEEVILLE PUBLIC UTILITY DISTRICT PUMP STATION RELOCATION PROJECT
 ELECTRICAL
 DETAILS - SHEET 2 OF 2
 MARKLEEVILLE PUBLIC UTILITY DISTRICT
 CALIFORNIA



CONTROL PANEL - BREAKER SCHEDULE

DESCRIPTION	BKR	CIR	CIR	BKR	DESCRIPTION
SITE LIGHT	20A-1P	1	2	15A-1P	MAGMETER FLOW TRANSMITTER
CONTROL PANEL - HEATER, FAN	20A-1P	3	4	20A-1P	BUILDING LIGHTS, RECEPTACLE
GENERATOR - BATTERY CHARGER	20A-1P	5	6	20A-1P	GENERATOR - BLOCK HEATER
UPS RECEPTACLE	20A-1P	7	8	20A-1P	SPARE
SPARE	20A-1P	9	10	20A-1P	SPARE

LOAD CALCULATIONS AT 480 VAC

DESCRIPTION	AMPS
PUMP 1 (8.9 HP)	11.0
PUMP 2 (8.9 HP)	11.0
3 KVA TRANSFORMER (480-120/240, 1PH)	6.2
SUBTOTAL	28.2
25% OF CONTINUOUS LOADS	7.1

SINGLE LINE DIAGRAM

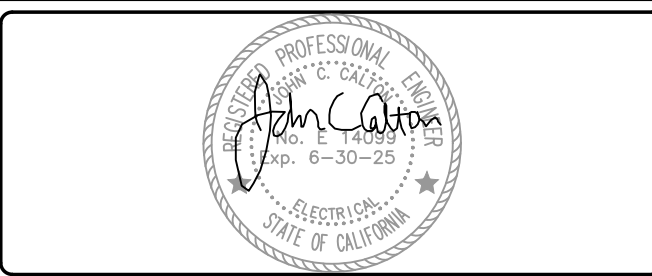
Login Name: kccom_02_024...
 File Name: C:\Users\kccom\AppData\Local\Temp\AutoCAD-1185A-E-01_05.dwg
 REF: Zborner

NO.	REVISIONS	BY	DATE

BENCH MARK ELEV: XX DATUM: XX
 DESCRIPTION:
 HORIZONTAL DATUM: NAD83 (2011) CA STATE
 PLANE ZONE 2; VERTICAL DATUM: NAVD88

DESIGN BY: J.CALTON
 DRAWN BY: K.CHUNG
 CHECKED BY: J.CALTON
 SCALE: AS SHOWN
 DATE: 8/22/2024
 PROJ NO.: 14202-200

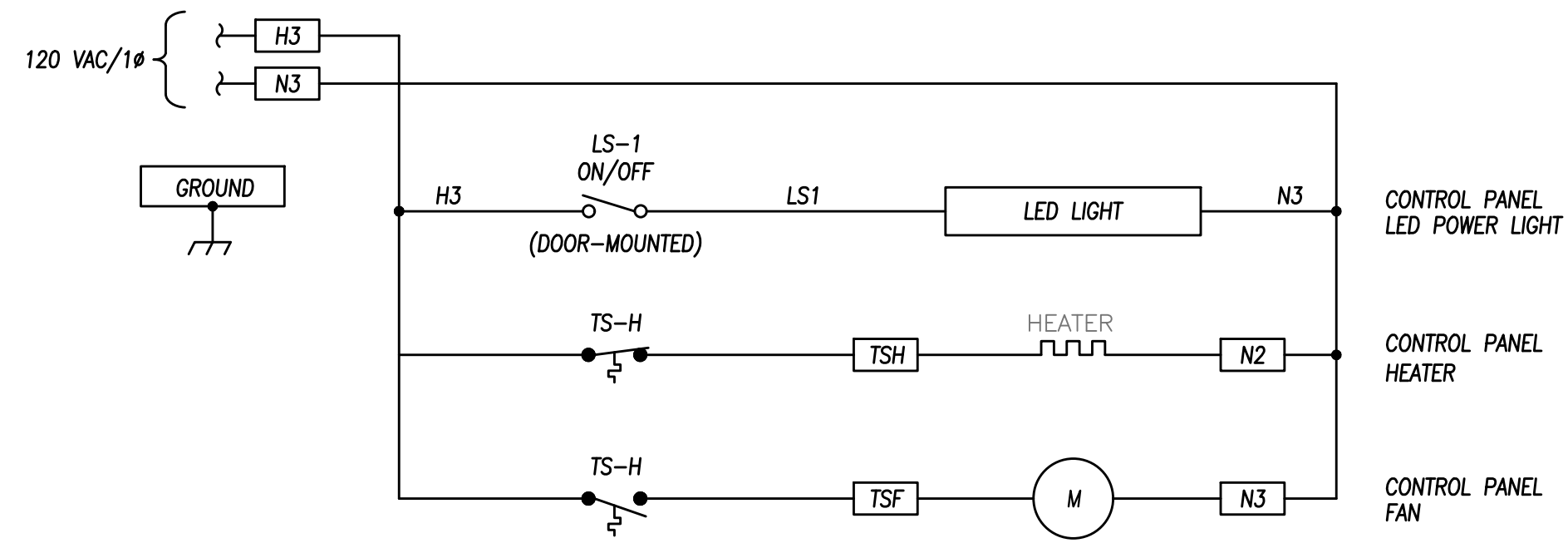
VERIFY SCALE
 BAR IS ONE INCH ON ORIGINAL DRAWING.
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.



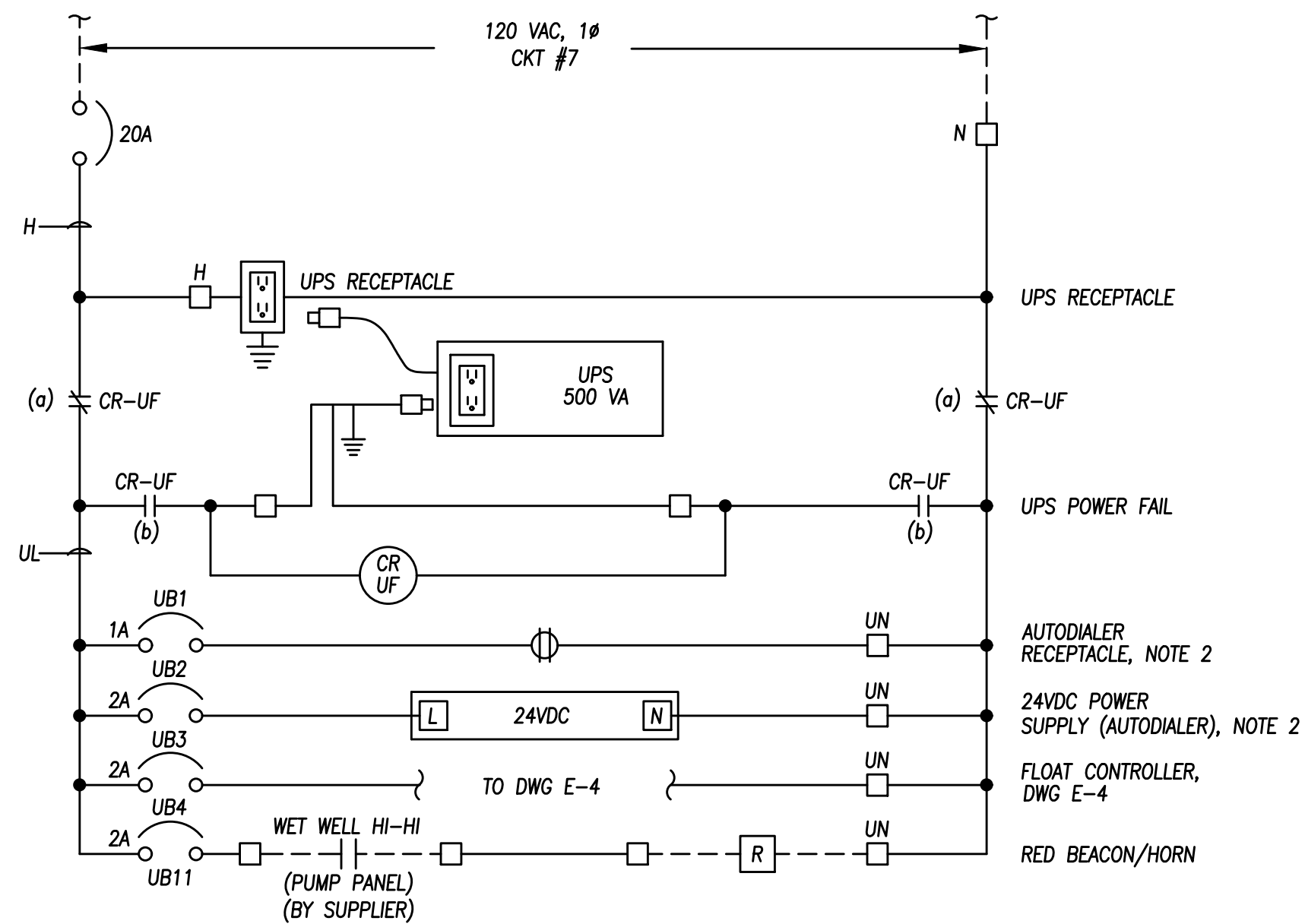
BEN EN
 TRUSTED ENGINEERING ADVISORS

Bennett Engineering Services
 1082 Sunrise Avenue, Suite 100
 Roseville, California 95661
 T 916.783.4100
 F 916.783.4110

MARKLEEVILLE PUBLIC UTILITY DISTRICT PUMP STATION RELOCATION PROJECT
ELECTRICAL
SINGLE LINE DIAGRAM, LOAD CALCULATION
 MARKLEEVILLE PUBLIC UTILITY DISTRICT CALIFORNIA

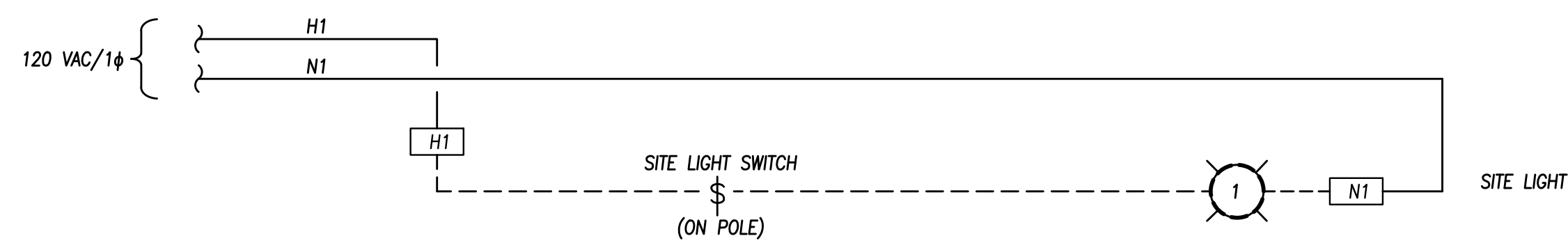


CONTROL PANEL - LIGHT, HEATER, FAN

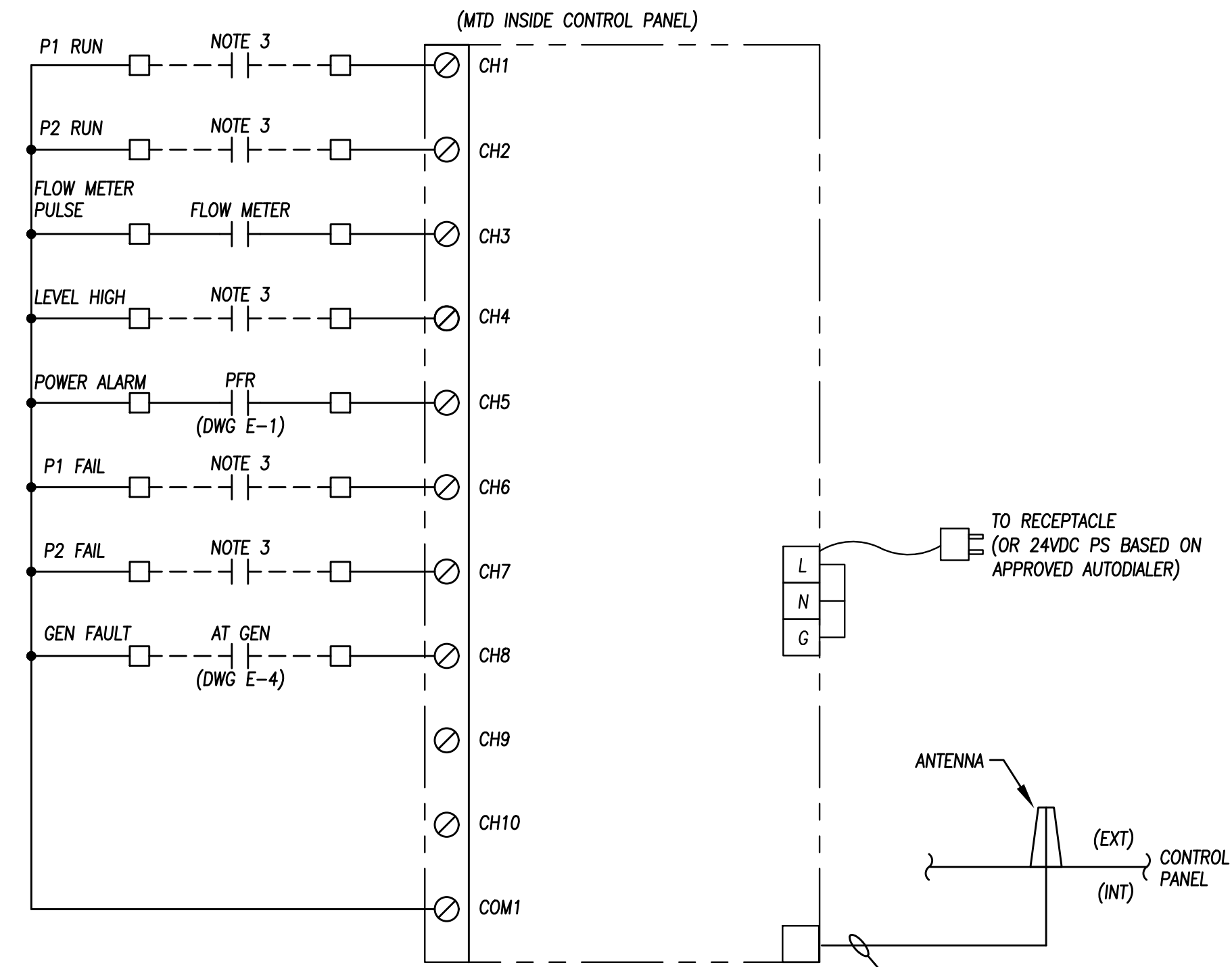


- NOTES:**
1. CONFIGURE RED BEACON AND HORN PER OWNER.
 2. CONTROL PANEL TO BE PROVIDED WITH AUTODIALER POWER SUPPLY AS REQUIRED PER APPROVED AUTODIALER.

CONTROL PANEL - UPS DISTRIBUTION

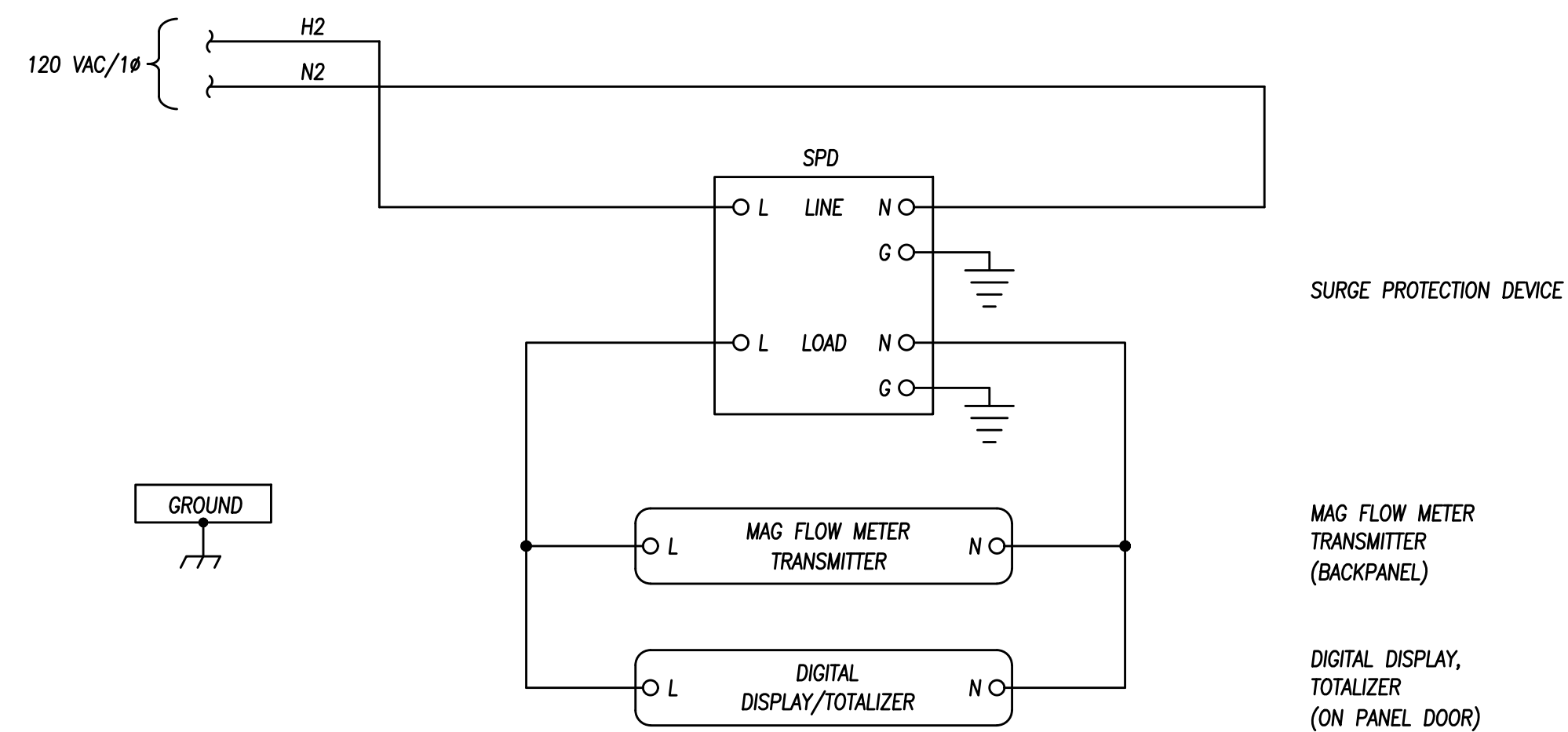


SITE LIGHTING WIRING DIAGRAM



- NOTES:**
1. DIGITAL INPUT WIRING TO BE #16 AWG.
 2. BASED ON ROW ALARM AGENT TEMPLATE #2. SUBJECT TO CHANGE BASED ON APPROVED AUTODIALER.
 3. CONTACT AT PUMP PANEL (SUPPLIER). COORDINATE WITH SUPPLIER.

AUTODIALER WIRING DIAGRAM



FLOW METER AND DIGITAL DISPLAY WIRING DIAGRAM

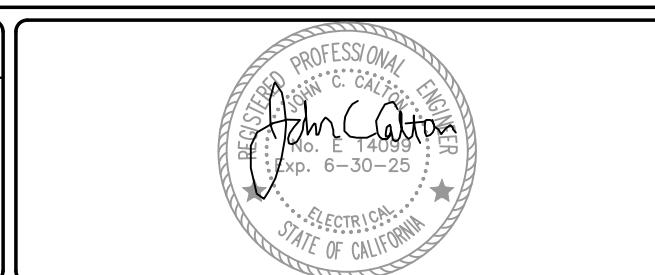
Login Name: kconcom
 Date: 2024-08-22 09:55:00
 File Name: C:\Users\kconcom\AppData\Local\Temp\AutoCAD-1185A4E-01_05.dwg
 XREFS: Zbinder

NO.	REVISIONS	BY	DATE
1			
2			
3			
4			
5			

BENCH MARK ELEV: XX DATUM: XX
 DESCRIPTION:
 HORIZONTAL DATUM: NAD83 (2011) CA STATE
 PLANE ZONE 2; VERTICAL DATUM: NAVD88

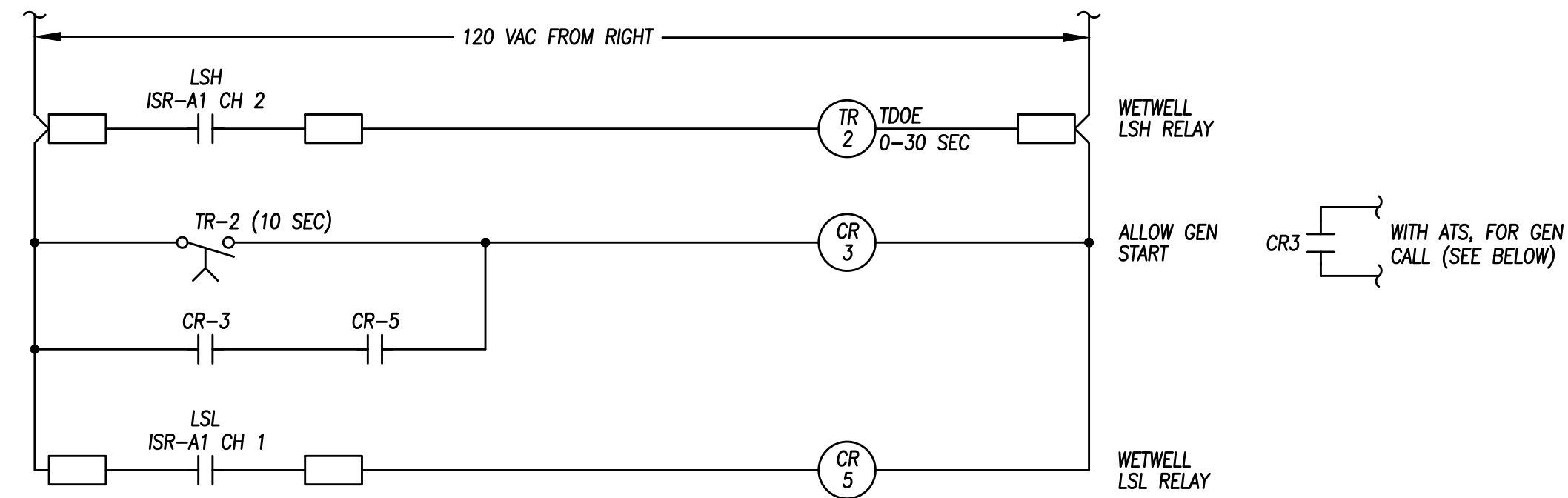
DESIGN BY: J.CALTON
 DRAWN BY: K.CHUNG
 CHECKED BY: J.CALTON
 SCALE: AS SHOWN
 DATE: 8/22/2024
 PROJ NO.: 14202-200

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

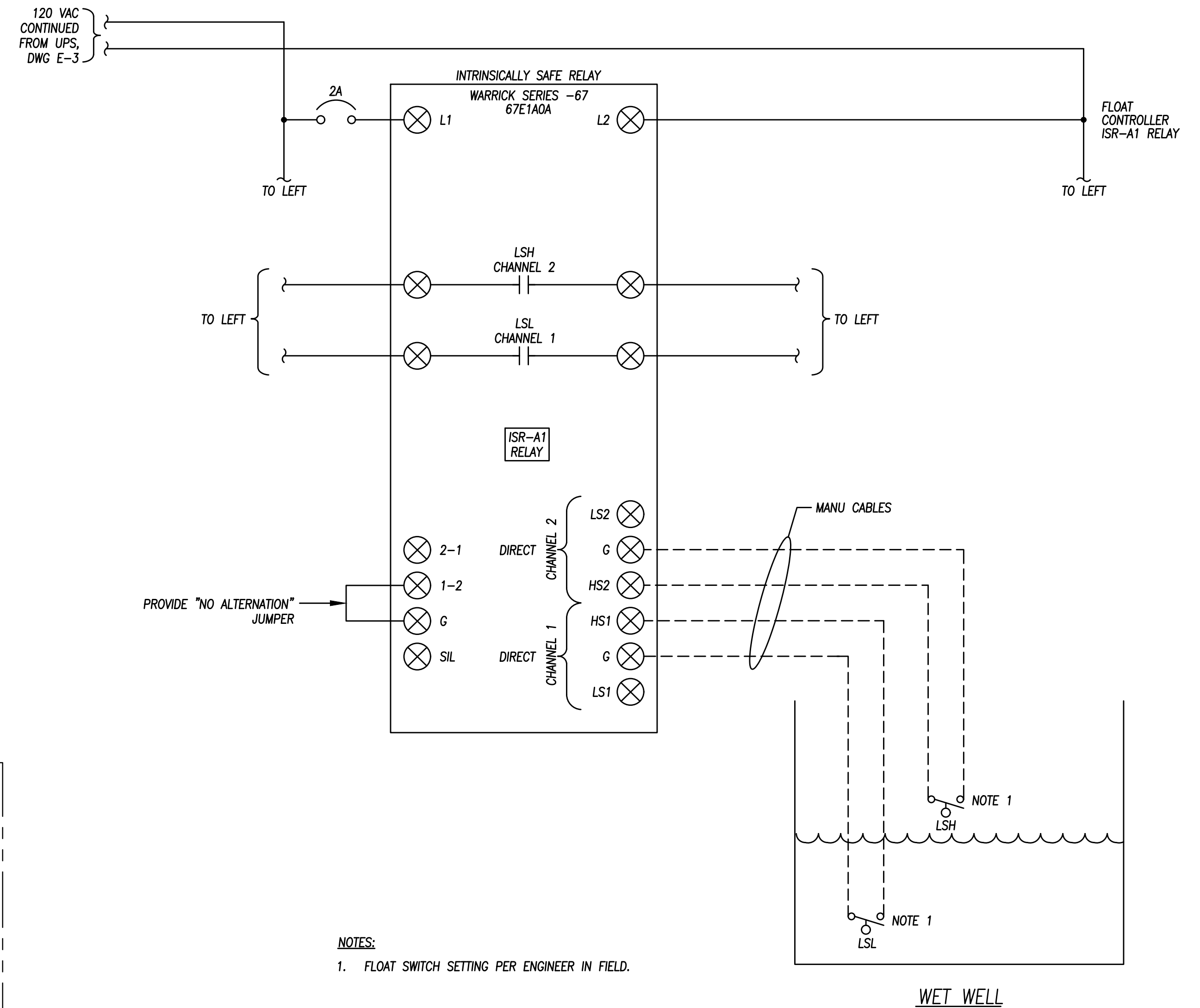


BEN EN
 TRUSTED ENGINEERING ADVISORS
 Bennett Engineering Services
 1082 Sunrise Avenue, Suite 100
 Roseville, California 95661
 T 916.783.4100
 F 916.783.4110

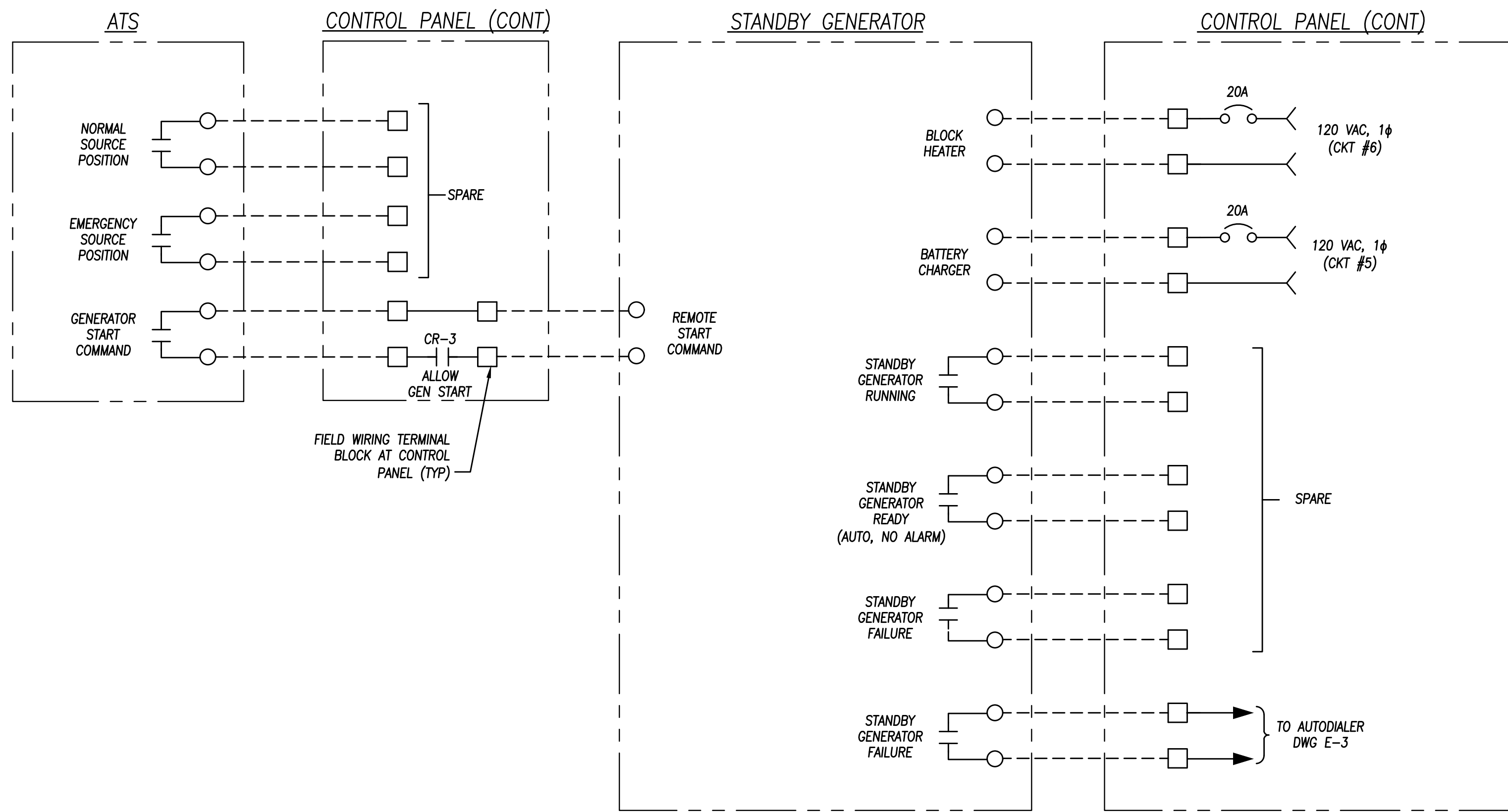
MARKLEEVILLE PUBLIC UTILITY DISTRICT PUMP STATION RELOCATION PROJECT
 ELECTRICAL
 MISCELLANEOUS SCHEMATICS
 SHEET 1 OF 2
 MARKLEEVILLE PUBLIC UTILITY DISTRICT
 CALIFORNIA



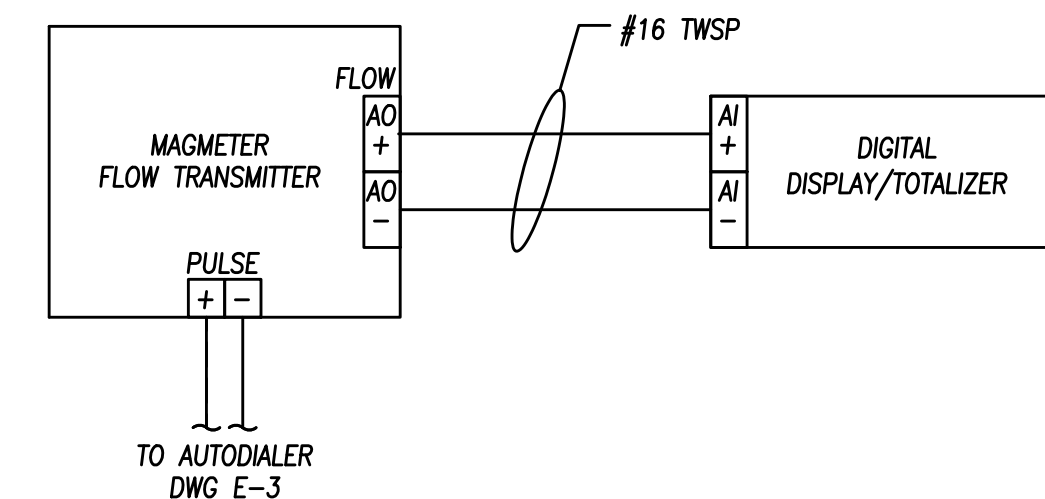
BACK-UP FLOAT CONTROLS, HIGH ALARMS



FLOAT CONTROLLER



STANDBY POWER SYSTEM



- NOTES:**
1. CONFIGURE FLOW TRANSMITTER ANALOG OUTPUT AND PULSE OUTPUT.
 2. CONFIGURE DIGITAL DISPLAY ANALOG INPUT TO MATCH FLOW METER. CONFIGURE DIGITAL TOTALIZER FOR KGALS OR PER ENGINEER IN FIELD.

FLOW DISPLAY AND TOTALIZER

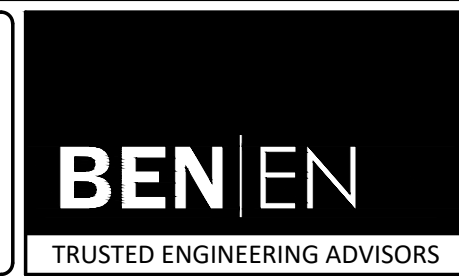
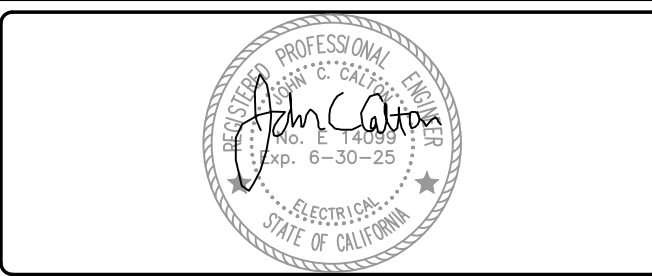
Login Name: kconcom_02_024_...
 File Name: C:\Users\kconcom\AppData\Local\Temp\1485A1E-0_00.dwg
 REF: Zborner

NO.	REVISIONS	BY	DATE
1			
2			
3			
4			
5			

BENCH MARK ELEV: XX DATUM: XX
 DESCRIPTION: HORIZONTAL DATUM: NAD83 (2011) CA STATE PLANE ZONE 2; VERTICAL DATUM: NAVD88

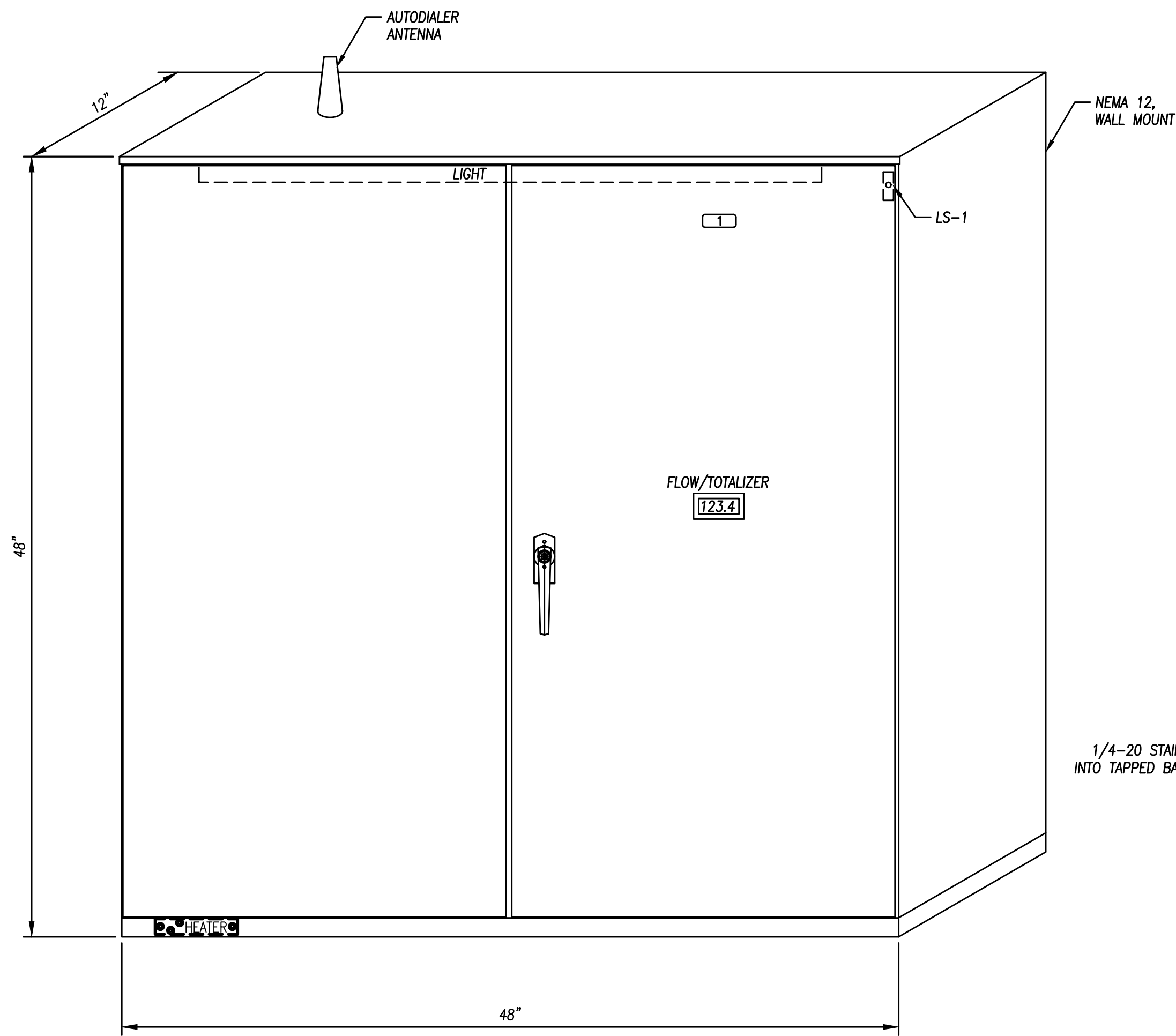
DESIGN BY: J.CALTON
 DRAWN BY: K.CHUNG
 CHECKED BY: J.CALTON
 SCALE: AS SHOWN
 DATE: 8/22/2024
 PROJ NO.: 14202-200

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

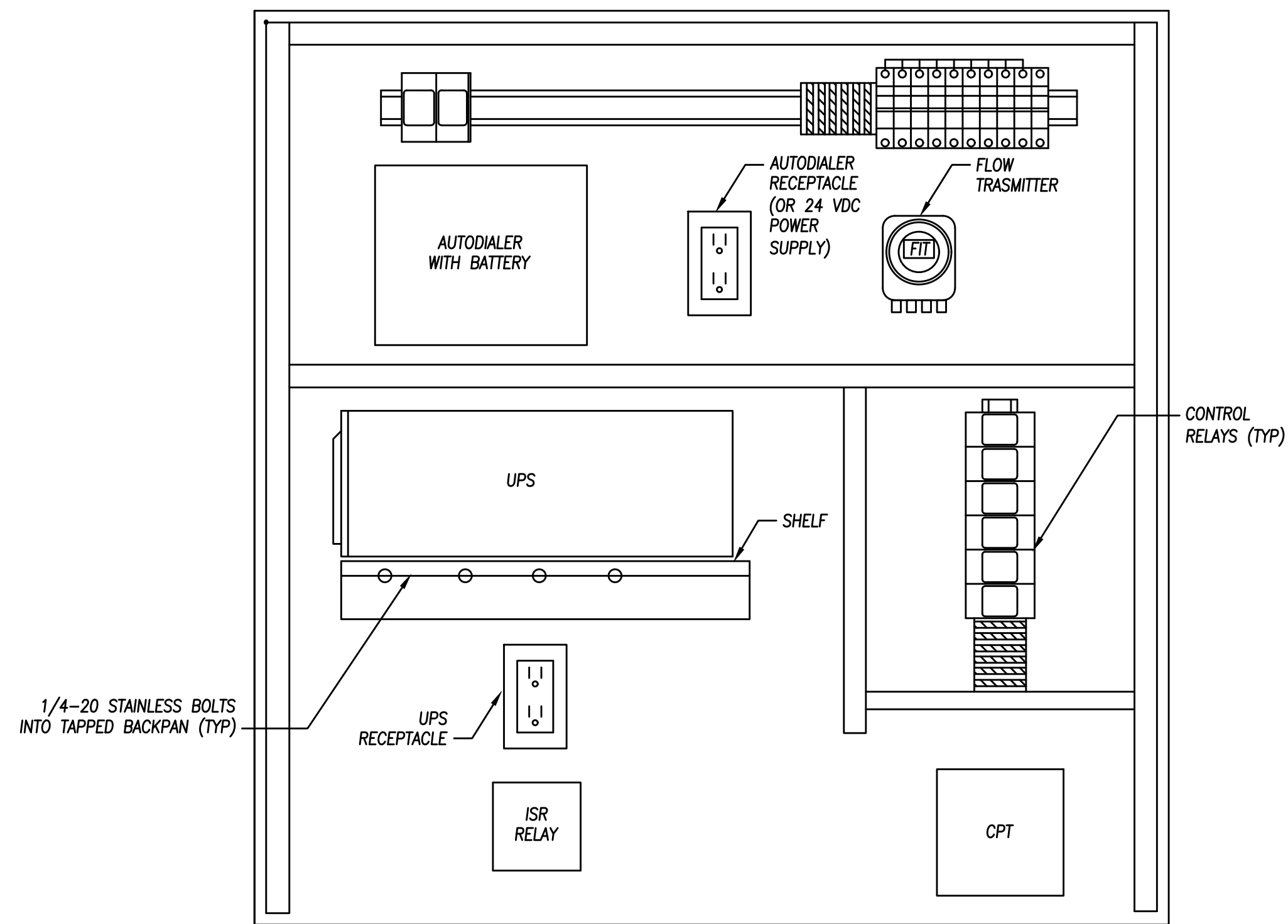


Bennett Engineering Services
 1082 Sunrise Avenue, Suite 100
 Roseville, California 95661
 T 916.783.4100
 F 916.783.4110

MARKLEEVILLE PUBLIC UTILITY DISTRICT PUMP STATION RELOCATION PROJECT
 ELECTRICAL
 MISCELLANEOUS SCHEMATICS
 SHEET 2 OF 2
 MARKLEEVILLE PUBLIC UTILITY DISTRICT CALIFORNIA

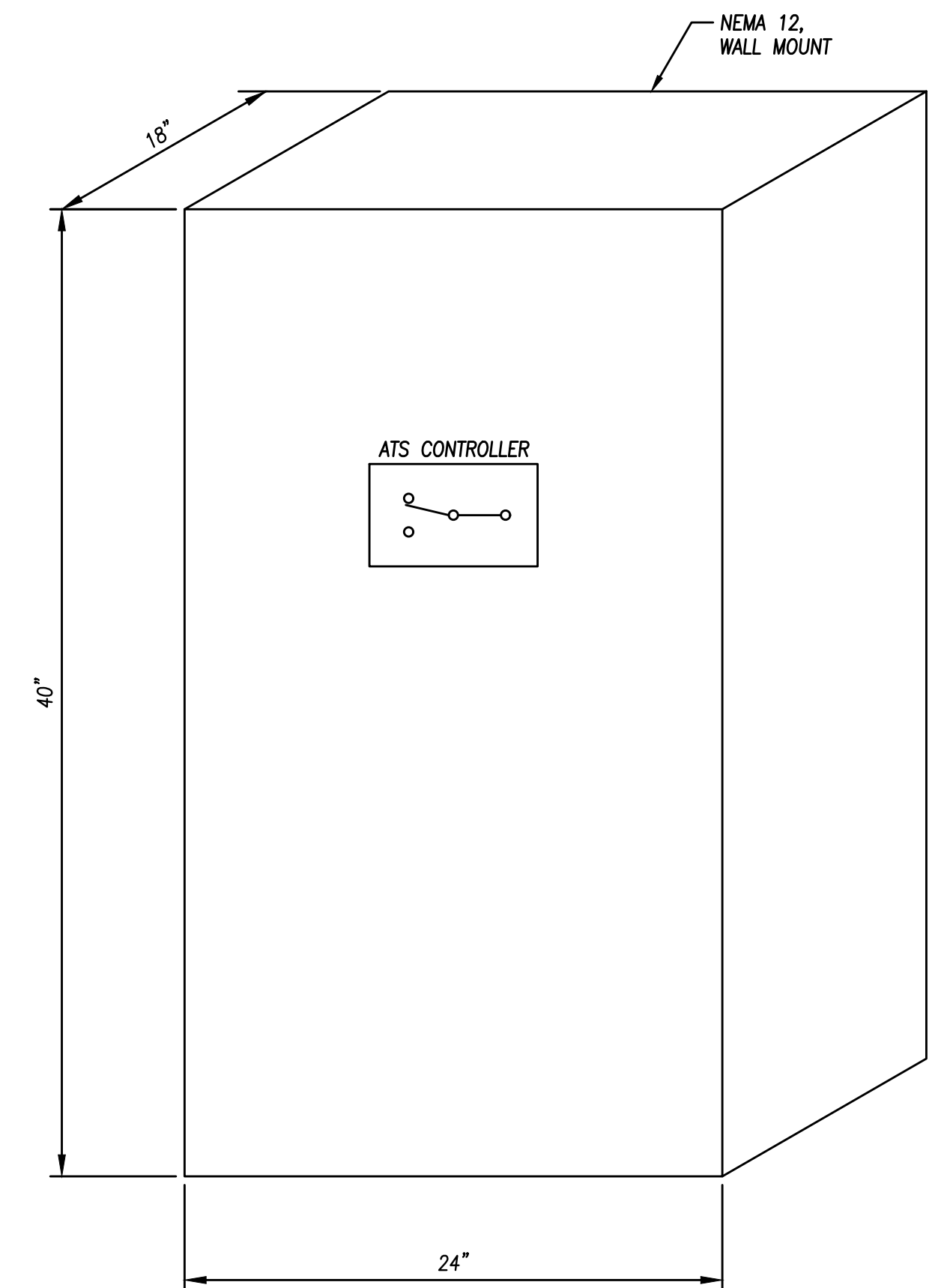


CONTROL PANEL - FRONT DOOR LAYOUT
NOT TO SCALE



- NOTES:**
1. FINAL LAYOUT OF PANEL DEVICES TO BE PROVIDED BY PANEL SUPPLIER.
 2. FINAL PANEL DIMENSIONS TO BE PROVIDED BY PANEL SUPPLIER.

CONTROL PANEL - BACK PANEL LAYOUT
NOT TO SCALE



ATS - FRONT DOOR LAYOUT
NOT TO SCALE

Login Name: kconcom_02_024_...
 File Name: C:\Users\kconcom\AppData\Local\Temp\1485A1E-01_05.dwg
 REF: Zborner

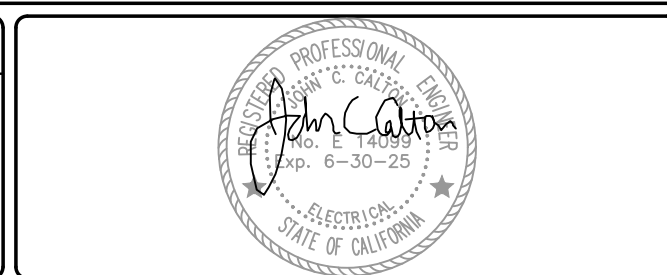
NO.	REVISIONS	BY	DATE

BENCH MARK ELEV: XX DATUM: XX
 DESCRIPTION:
 HORIZONTAL DATUM: NAD83 (2011) CA STATE
 PLANE ZONE 2; VERTICAL DATUM: NAVD88

DESIGN BY: J.CALTON
 DRAWN BY: K.CHUNG
 CHECKED BY: J.CALTON
 SCALE: AS SHOWN
 DATE: 8/22/2024
 PROJ NO.: 14202-200

VERIFY SCALE
 BAR IS ONE INCH ON ORIGINAL DRAWING.
 0 1"

IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.



BEN EN
 TRUSTED ENGINEERING ADVISORS

Bennett Engineering Services
 1082 Sunrise Avenue, Suite 100
 Roseville, California 95661
 T 916.783.4100
 F 916.783.4110

MARKLEEVILLE PUBLIC UTILITY DISTRICT PUMP STATION RELOCATION PROJECT	
ELECTRICAL CONTROL PANEL ELEVATIONS	
MARKLEEVILLE PUBLIC UTILITY DISTRICT	CALIFORNIA