

File: C:\Users\Kenneth.henderson\OneDrive - California State Parks\Desktop\CSP Projects Local\Austin Creek Water\05_Drawings\Sheet Set\G-1 TITLE SHEET.dwg Layout: G-1 TITLE SHEET Date: June 02 2026 - 11:49 am User: Kenneth.henderson

SCOPE OF WORK

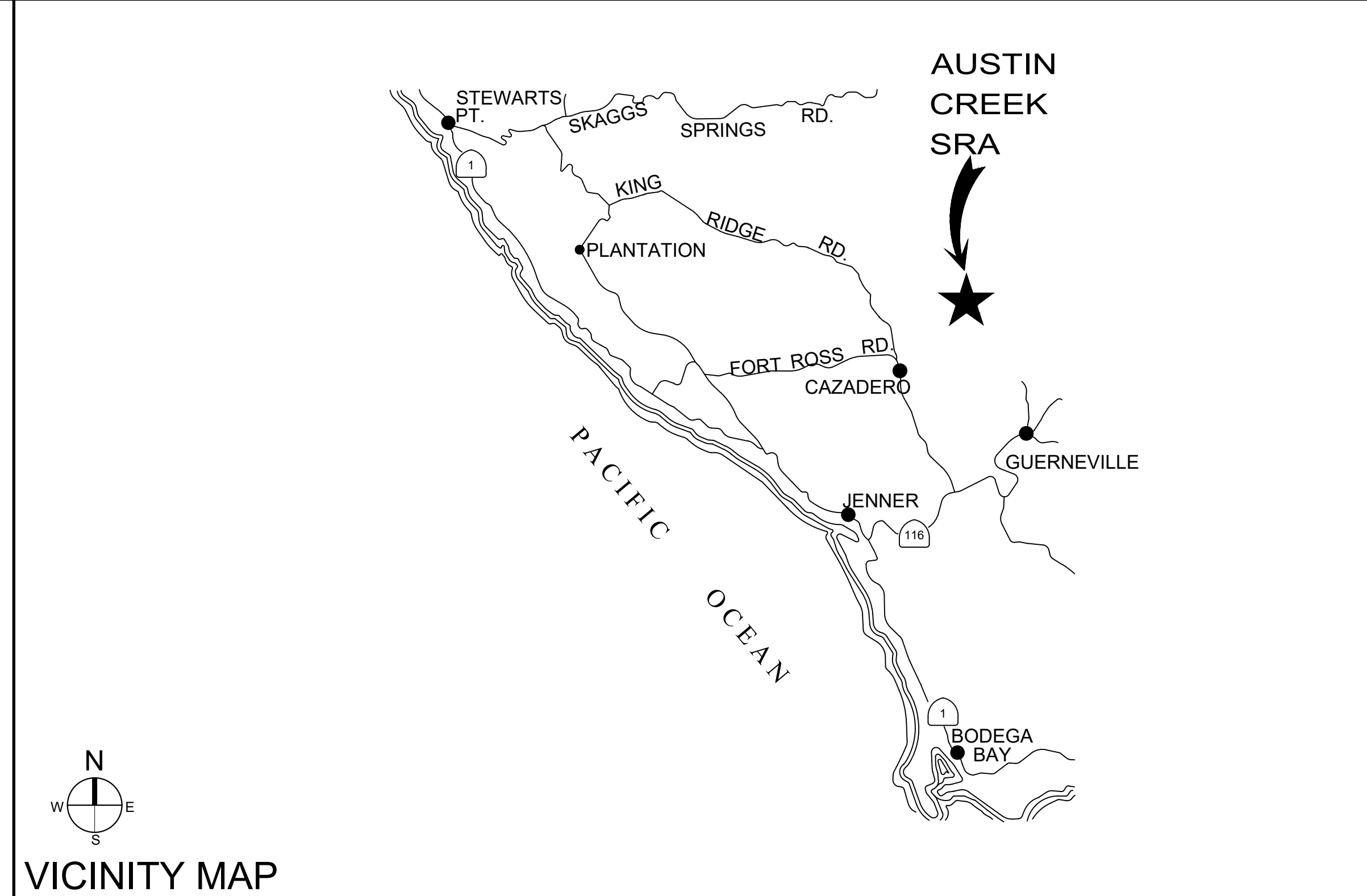
THIS PROJECT COVERS THE CONSTRUCTION OF A BOLTED STAINLESS-STEEL WATER STORAGE TANK AND A PRECAST UTILITY BUILDING HOUSING A CHEMICAL STORAGE AND FEED SYSTEM WITH ALL ELECTRICAL, INSTRUMENTATION, PROGRAMMING, TESTING, AND STARTUP FOR A COMPLETE AND FUNCTIONAL SYSTEM. THE TANK IS ONLY SERVING THE DOMESTIC WATER NEEDS OF THE CAMPGROUND AND NO FIRE WATER OR WHARF HYDRANTS ARE SERVED.

PROJECT ADDRESS

CALIFORNIA DEPARTMENT OF PARKS & RECREATION
AUSTIN CREEK STATE RECREATION AREA
17000 ARMSTRONG WOODS ROAD
GUERNEVILLE, CA 95446

PROJECT NOTES

1. ALL MATERIALS SHOWN OR NOTED ON THE PLANS ARE NEW UNLESS CALLED OUT OTHERWISE.
2. THE CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL EXISTING CONDITIONS SHOWN OR DIMENSIONED HEREIN. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE STATE'S REPRESENTATIVE FOR RESOLUTION BEFORE PROCEEDING WITH THAT PORTION OF THE WORK.
3. ALL WORK SHALL COMPLY WITH THE CURRENT EDITION OF THE FOLLOWING LISTED CODES, AND ALL OTHERS HAVING JURISDICTION OVER THE WORK.
2025 EDITION OF THE CALIFORNIA BUILDING CODE.
2025 EDITION OF THE CALIFORNIA FIRE CODE.
2025 EDITION OF THE CALIFORNIA ENERGY CODE.
2025 EDITION OF THE CALIFORNIA ELECTRICAL CODE.
2025 EDITION OF THE CALIFORNIA GREEN BUILDING STANDARDS CODE.
2025 EDITION OF THE CALIFORNIA PLUMBING CODE.
2010 ADA STANDARD FOR ACCESSIBLE DESIGN
4. CONDUCT ALL WORK IN ACCORDANCE WITH THE LATEST SAFETY RULES AND REGULATIONS OF ALL AUTHORITIES AND AGENCIES HAVING JURISDICTION OVER THE WORK.
5. ALL WORK SHALL BE IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS. WHERE DETAILED INFORMATION OR CLARIFICATION IS REQUIRED, THE MATTER SHALL BE REFERRED TO THE STATE'S REPRESENTATIVE FOR WRITTEN RESOLUTION.
6. THE CONTRACTOR SHALL NOT SCALE THE DRAWINGS, BUT SHALL RELY ONLY ON THE WRITTEN DIMENSIONS GIVEN. IF A DISCREPANCY OCCURS OR NO DIMENSION IS GIVEN, THE CONTRACTOR SHALL NOTIFY THE STATE'S REPRESENTATIVE FOR WRITTEN CLARIFICATION BEFORE PROCEEDING WITH THAT PORTION OF THE WORK.
7. THE OFFICIAL CONTRACT DRAWINGS ARE 36" x 24" PRINTED IN GRAYSCALE TO SHOW THE LINE WORK OF EXISTING AND/OR FUTURE IMPROVEMENTS DRAWN IN GRAY. SCALES LISTED ON THE DRAWINGS ARE APPLICABLE TO 36" x 24" AND MUST BE ADJUSTED ACCORDINGLY WHERE REDUCED SIZE DRAWINGS ARE REFERENCED. USE OF DRAWINGS PRINTED TO NON-STANDARD SCALES OR IN PURE BLACK & WHITE IS DONE AT-RISK.
8. UNLESS NOTED OTHERWISE, STANDARD DETAILS ARE TO BE USED WHERE THEY APPLY REGARDLESS AS TO WHETHER THEY ARE SPECIFICALLY CALLED OUT.
9. ALL WORK TO CONSTRUCT THE IMPROVEMENTS SHOWN IN THE CONTRACT DOCUMENTS AND THAT WHICH IS NOT SHOWN BUT NECESSARY TO CONSTRUCT THE IMPROVEMENTS SHOWN IS TO BE PERFORMED BY THE CONTRACTOR UNLESS OTHERWISE NOTED.
10. ABSENCE OF A SPECIFICATION SECTION FOR A MATERIAL, EQUIPMENT, PRODUCT, ETC. SHOWN ON THE DRAWINGS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY TO PREPARE A SUBMITTAL AND PROVIDE SUCH ITEM AND DOES NOT CONSTITUTE A CHANGE ORDER. CONTACT THE STATE'S REPRESENTATIVE FOR CLARIFICATION BEFORE PREPARING THE SUBMITTAL, ORDERING THE ITEM, AND PROCEEDING WITH THE AFFECTED WORK.
11. THE IMPROVEMENTS SHOWN ON THE DRAWINGS ILLUSTRATE THE GENERAL PLACEMENT OF THE WORK. NOT ALL APPURTENANT PARTS OR ACCESSORIES REQUIRED BY THE MANUFACTURERS, THE SPECIFICATIONS, OR BY APPLICABLE CODES ARE SHOWN. FURNISH AND INSTALL ALL SUCH ITEMS FOR A PROPER, COMPLETE, AND FULLY FUNCTIONAL INSTALLATION IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS, THE APPLICABLE SPECIFICATION SECTIONS, AND THAT ARE REQUIRED FOR CODE COMPLIANCE.
12. INSTALL EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO THE START OF WORK AND MAINTAIN FOR THE DURATION OF THE PROJECT. SEE SECTION 015713 - STORM WATER SOIL LOSS PREVENTION PLAN FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
13. WORK PERFORMED MUST COMPLY WITH NFPA 241 AND CFC CHAPTER 33. PREPARE AND SUBMIT FIRE PREVENTION PROGRAM AND EMERGENCY FIRE ACTION PLANS AND PLACE TEMPORARY FIRE CONTROL MEASURES PRIOR TO THE START OF WORK AND MAINTAIN THEM FOR THE DURATION OF THE PROJECT. SEE SECTION 015116 - TEMPORARY FIRE PROTECTION FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
14. MAINTAIN A DAILY RECORD OF AS-BUILT CONDITIONS ON THE PROJECT RECORD DOCUMENTS AND SUBMIT THE DOCUMENTS AT THE COMPLETION OF CONSTRUCTION.
15. CONDUCT TESTING AND STARTUP IN ACCORDANCE WITH AND FOR THE DURATION INDICATED IN SECTION 017519 - TESTING AND STARTUP.



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CODE SUMMARY

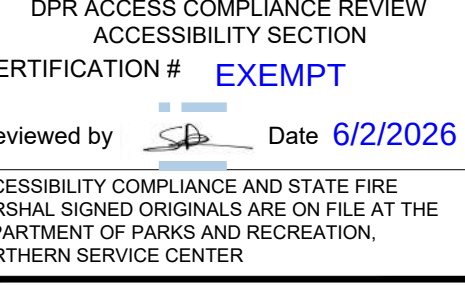
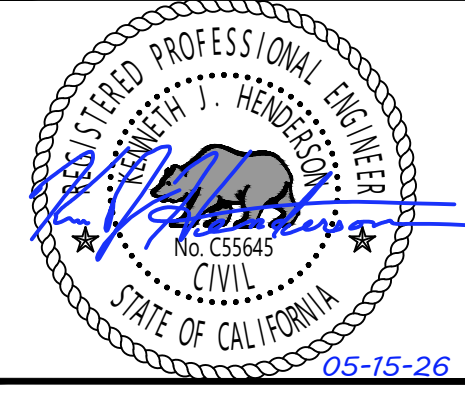
1. OCCUPANCY CLASSIFICATION AND USE	U
2. BUILDING CONSTRUCTION TYPE	I-A
3. NUMBER OF STORIES	1
4. ACTUAL BUILDING HEIGHT	10'-0"
5. BUILDING AREA IN SQUARE FEET	120 SQ FT
6. AREA OF PROJECT IN SQUARE FEET	120 SQ FT
7. SEPARATED OR NON-SEPARATED USE	N/A
8. ALLOWABLE AREA PER CBC	UL
9. AREA INCREASE	N/A
10. HEIGHT INCREASE	N/A
11. MIN FIRE FLOW AND DURATION	EXEMPT B105.2
12. FIRE SPRINKLERS	NO
13. FIRE ALARM	NO
14. OTHER FIRE PROTECTION SYSTEMS, IF ANY	EXTINGUISHER
15. SMOKE CONTROL SYSTEM	NO
16. OCCUPANT LOAD FOR ENTIRE BUILDING	2
17. YEAR BUILDING WAS CONSTRUCTED	N/A
18. IN A HIGH FIRE HAZARD SEVERITY ZONE?	YES (SRA)
19. SEISMIC JOINTS	N/A
20. EMERGENCY RESPONDER RADIO COVERAGE	N/A

HAZARDOUS MATERIAL STORAGE AND USE

NO HAZARDOUS MATERIALS IN EXCESS OF THE THRESHOLDS STIPULATED IN CALIFORNIA HEALTH & SAFETY CODE DIV 20, CH 6.95, ARTICLE 1, §25507 ARE STORED OR USED ON SITE DURING THE WORK OR IN THE FACILITY UPON COMPLETION OF THE WORK. PREPARATION OR REVISION OF AN HAZARDOUS MATERIALS MANAGEMENT PLAN IS NOT REQUIRED.



FACILITIES AND
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DESIGNED:	KH
DRAWN:	KH
CHECKED:	NSC
DATE:	04-15-26

REVISIONS	DATE

AUSTIN CREEK STATE RECREATION AREA
BULLFROG POND AND POND FARM WATER SYSTEM

TITLE SHEET

207907.1

SHEET NO.
G-1
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File: C:\Users\Kenneth.henderson\OneDrive - California State Parks\Desktop\CSP Projects Local\Austin Creek Water\05_Drawings\General\G-2 NOTES LEGENDS SYMBOLS AND ABBREVIATIONS.dwg Date: May 07 2026 - 2:56 pm

GENERAL NOTES

1. THE PARK WILL REMAIN OPEN DURING CONSTRUCTION. COORDINATE AND SCHEDULE CONSTRUCTION ACTIVITIES THAT MAY INTERFERE WITH FACILITY OPERATIONS AND PARK EVENTS WITH THE STATE'S REPRESENTATIVE.

2. MAINTAIN SAFE, CONTINUOUS PUBLIC ACCESS TO PARK FACILITIES. TEMPORARY INTERRUPTIONS REQUIRE PRIOR APPROVAL OF STATE'S REPRESENTATIVE AND WILL NOT BE ALLOWED WITHOUT PROVISION FOR ALTERNATE MEANS OF ACCESS.

3. MAINTAIN SECURITY OF THE PROJECT SITE AND STAGING AREA AT ALL TIMES. PROVIDE TEMPORARY FENCING, GATE(S), BARRICADES, ETC., AS REQUIRED TO SECURE THE PERIMETERS AND TO PREVENT UNAUTHORIZED ENTRY. SECURE ALL GATES AT THE END OF EACH WORKDAY. SEE SPECIFICATION SECTION 015000 - TEMPORARY FACILITIES AND CONTROLS FOR ADDITIONAL INFORMATION.

4. CALIFORNIA STATE PARKS IS NOT A MEMBER OF UNDERGROUND SERVICE ALERT (USA). WHILE USA CAN BE USED FOR IDENTIFYING PUBLIC UTILITIES ON STATE PARK'S PROPERTY, LOCATING UTILITIES OWNED BY STATE PARKS IS THE CONTRACTOR'S RESPONSIBILITY. CONTACT UNDERGROUND SERVICE ALERT ("DIG ALERT") AT 800.227.2600 A MINIMUM OF TWO (2) DAYS IN ADVANCE OF EXCAVATION WORK NEAR PUBLIC UTILITIES.

5. EXISTING UTILITIES SHOWN (PIPING, VALVES, STRUCTURES, CONDUITS, ETC.) ARE BASED ON HISTORICAL RECORDS AND OTHER SOURCES OF VARYING DEGREES OF RELIABILITY AND ACCURACY. NOT ALL BURIED UTILITIES SHOWN ON THE PLANS HAVE BEEN LOCATED. THERE IS NO GUARANTEE THAT ALL UTILITIES OR OBSTRUCTIONS ARE SHOWN OR THAT THE LOCATIONS OF THOSE SHOWN ARE ACCURATE IN HORIZONTAL OR VERTICAL ALIGNMENT. LAYOUT THE IMPROVEMENTS AND DETERMINE THE EXACT LOCATION, DEPTH, ALIGNMENT, ETC. OF EXISTING UTILITIES SHOWN NEAR, ADJACENT TO, AND CROSSING THE IMPROVEMENTS BEFORE COMMENCING WORK IN THE AFFECTED AREA. NOTIFY THE STATE'S REPRESENTATIVE IF UTILITIES ARE SHOWN IN THE WRONG LOCATION AND IF UTILITIES NOT SHOWN ARE ENCOUNTERED THAT WILL AFFECT THE WORK. OBTAIN DIRECTION FROM THE STATE'S REPRESENTATIVE BEFORE PROCEEDING WITH THE AFFECTED WORK. FAILURE TO LAYOUT THE WORK, LOCATE AND REPORT CONFLICTS, AND OBTAIN RESOLUTION PRIOR TO COMMENCING WORK IS DONE AT RISK. SEE SECTION 017300 - EXECUTION FOR ADDITIONAL INFORMATION.

6. COORDINATE THE WORK WITH THE OWNERS OF EXISTING UTILITIES. CAREFULLY EXPOSE EXISTING UTILITIES USING METHODS ACCEPTABLE TO THE UTILITY'S OWNER AND SUPPORT THEM AS NEEDED TO PREVENT DAMAGE OR DEFLECTION FROM ORIGINAL CONDITION. PROVIDE FOR THE SAFETY AND PROTECTION OF EXISTING UTILITIES AND REPAIR ANY DAMAGE RESULTING FROM THE WORK TO THE UTILITY OWNER'S STANDARDS.

7. COORDINATE SERVICE INTERRUPTIONS WITH THE UTILITY'S OWNER AND THE STATE'S REPRESENTATIVE. RESTORE SERVICE AT THE END OF EACH WORK DAY OR PROVIDE TEMPORARY SERVICE.

6. PHOTOGRAPHS, AERIAL IMAGERY, SITE FEATURES, AND INFRASTRUCTURE SHOWN ON THE DRAWINGS OF THE SITE AND SURROUNDING AREAS MAY HAVE CHANGED BEFORE THE COMMENCEMENT OF CONSTRUCTION. FIELD VERIFY THE LOCATION OF SURFACE FEATURES AND EXISTING INFRASTRUCTURE WHEN LAYING OUT THE WORK. NOTIFY THE STATE'S REPRESENTATIVE OF ANY SURFACE FEATURES OR INFRASTRUCTURE NOT SHOWN OR THAT HAVE CHANGED FROM WHAT IS SHOWN AND CONFLICTS WITH THE WORK PRIOR TO PROCEEDING WITH THE AFFECTED WORK.

7. DO NOT OPERATE VALVES OR EQUIPMENT IN THE PLANT OR AT THE TANKS. COORDINATE PROCESS INTERRUPTIONS WITH STATE'S REPRESENTATIVE ONE WEEK PRIOR TO AN INTERRUPTION. SEQUENCE THE WORK TO RESTORE SERVICE BY THE END OF EACH WORK DAY.

8. CONFINE EQUIPMENT AND CONSTRUCTION ACTIVITIES TO THE STAGING AND CONSTRUCTION AREA SHOWN ON THE DRAWINGS. PROMPTLY REPAIR DAMAGE TO EXISTING FACILITIES CAUSED BY CONSTRUCTION ACTIVITY INCLUDING UNDERGROUND UTILITIES, AND CLEAN UP SPILLS AND STAINS FROM EQUIPMENT LEAKS.

9. UNLESS OTHERWISE SHOWN, RESTORE ALL SURFACE AREAS DISTURBED BY CONSTRUCTION ACTIVITY IN KIND TO ORIGINAL LINE AND GRADE. ADJUST AS REQUIRED TO PROVIDE POSITIVE DRAINAGE AWAY FOR NEW AND EXISTING IMPROVEMENTS. RESTORE PAVED AND CONCRETE SURFACES TO EXISTING THICKNESS AND GRADE. RESTORE LANDSCAPING INCLUDING BUT NOT LIMITED TO SOD, SHRUBS, GROUND COVER, IRRIGATION PIPES, AND MULCH TO ORIGINAL CONTOUR AND GRADE. UNLESS OTHERWISE NOTED, HYDRO-SEED AREAS OF NATURAL COVER AND VEGETATION THAT HAVE BEEN DISTURBED BY THE WORK WITH SEED OF PLANT SPECIES NATIVE TO THE AREA. SEE SECTION 015639 - TEMPORARY TREE AND PLANT PROTECTION FOR ADDITIONAL INFORMATION.

10. SURVEY CONTROL POINTS SHOWN ON THE DRAWINGS MAY HAVE BEEN DAMAGED OR DESTROYED PRIOR TO CONSTRUCTION. ESTABLISH CONTROL AS NECESSARY TO LAYOUT THE WORK AND CONSTRUCT THE PIPELINES ALONG THE ALIGNMENTS SHOWN. RETAIN A LICENSED SURVEYOR TO REPLACE BENCHMARKS AND MONUMENTS DISTURBED OR DESTROYED. SEE SPECIFICATION SECTION 01 73 00 - EXECUTION FOR ADDITIONAL INFORMATION.

11. MAINTAIN THE JOB SITE AND AREAS ACCESSIBLE OR VISIBLE TO THE PUBLIC IN A CLEAN, SAFE, AND USABLE CONDITION. REMOVE DAILY AND CONTAIN ALL CONSTRUCTION DEBRIS, TRASH, AND WASTE MATERIAL. PROMPTLY REMOVE SPILLS OF FLUIDS, SOIL, AND ROCK. CONTAIN CONSTRUCTION DEBRIS, TRASH, AND WASTE MATERIAL WITHIN THE CONSTRUCTION AREA UNTIL DISPOSED OFF-SITE.

EXCAVATION AND FILL NOTES

1. VERIFY THE LOCATION OF EXISTING BURIED UTILITIES PRIOR TO STARTING WORK. LAYOUT THE WORK PRIOR TO SAW CUTTING AND EXCAVATION AND REPORT ANY CONFLICTS WITH SURFACE FEATURES OR EXISTING IMPROVEMENTS IN ACCORDANCE WITH SECTION 01730000- EXECUTION.

2. THE SITE GENERALLY CONSISTS OF COLLUVIUM (MEDIUM STIFF, MOIST BROWN LEAN CLAY WITH GRAVEL). NO COBBLE OR BOULDERS ARE ANTICIPATED. HOWEVER, IN-SITU MOISTURE IS OFTEN HIGHER THAN OPTIMUM AND SOIL EXPOSED BY EXCAVATION WILL LIKELY BE UNSTABLE AND UNABLE TO SUPPORT CONSTRUCTION EQUIPMENT AND VEHICLES. SOIL MAY REQUIRE DRYING FOR PROPER COMPACTION AND STABILITY.

3. RETAIN THE SERVICE OF A QUALIFIED GEOTECHNICAL ENGINEERING FIRM TO EVALUATE IMPORTED FILL; MONITOR FOR UNSATISFACTORY SOIL DURING ALL EXCAVATION AND TRENCHING WORK; EVALUATE AND TEST IN SITU MOISTURE CONTENT AND DETERMINE METHOD(S) TO ADJUST; AND TO OBSERVE AND TEST THE PREPARATION AND COMPACTION OF SUBGRADE AND PLACEMENT OF FILL AND BACKFILL. NOTIFYING THE STATE'S REPRESENTATIVE UPON DISCOVERY OF UNSATISFACTORY SOIL AND OF THE FIRM'S RECOMMENDATIONS. STOP WORK IN THE AFFECTED AREA AND AWAIT WRITTEN RESOLUTION FROM THE STATE'S REPRESENTATIVE.

4. GROUNDWATER IS NOT ANTICIPATED THOUGH SEASONAL PERCHED GROUNDWATER AND/OR SEEPAGE MAY OCCUR. CONTROL AND REMOVE GROUNDWATER AND SEEPAGE WHERE ENCOUNTERED IN TRENCHES AND PITS, AND STABILIZE EXPOSED SUBGRADE TO PERMIT CONSTRUCTION. NOTIFY THE STATE'S REPRESENTATIVE WHERE GROUNDWATER/SEEPAGE IS ENCOUNTERED IN AMOUNTS THAT PROHIBIT PROPER PIPE INSTALLATION, BACKFILL, AND COMPACTION.

5. EXCAVATED SOIL FROM THE SITE FREE OF DEBRIS, TRASH, ORGANIC MATERIAL, AND ROCK/CEMENTATIONS MATERIAL GREATER THAN 6" IS SUITABLE FOR USE AS ENGINEERED FILL IN STRUCTURAL AREAS PROVIDED IT IS PREPARED AND SELECTIVELY PLACED DURING GRADING IN ACCORDANCE WITH THE RECOMMENDATIONS IN THE GEOTECHNICAL REPORT.

6. WHERE ENCOUNTERED, SURFACE VEGETATION CONSISTING OF GRASSES AND OTHER SIMILAR VEGETATION MUST BE STRIPPED TO A DEPTH OF 2 TO 3-INCHES TO PREVENT GRASS AND ORGANIC-RICH TOPSOIL FROM MIXING WITH EXCAVATED MATERIAL THAT WILL BE USED FOR BACKFILL. THE STRIPPED MATERIAL PRODUCED IS NOT SUITABLE FOR ENGINEERED FILL BUT MAY BE USED TO REPAIR AREAS DISTURBED BY CONSTRUCTION ACTIVITY.

STAINLESS-STEEL PIPE NOTES

1. FASTEN THREADED STAINLESS-STEEL FITTINGS SLOWLY USING ANTI-GALLING THREAD LUBRICANT TO PREVENT GALLING. FASTENED FLANGE BOLTS SLOWLY USING ANTI-SEIZE BOLT LUBRICANT.

2. BURIED STAINLESS-STEEL PIPE AND FITTINGS MUST BE WRAPPED WITH TAPE PRIOR TO PLACEMENT IN THE GROUND.

3. UNLESS OTHERWISE SHOWN, TRANSITIONS FROM SMALL DIAMETER STAINLESS-STEEL PIPE TO PLASTIC PIPE MUST USE A THRDxTHRD STAINLESS-STEEL COUPLING OR FLANGES. THRDxSLIP PLASTIC COUPLINGS OR METAL-REINFORCED PLASTIC COUPLINGS ARE NOT ALLOWED.

4. STAINLESS-STEEL UNIONS MAY BE REPLACED WITH FLANGED CONNECTIONS WHERE THERE IS ENOUGH PLAY IN THE PIPE TO ALLOW GASKETS TO BE PROPERLY REINSERTED AFTER THE PIPE IS DISCONNECTED FOR MAINTENANCE OR REPLACEMENT OF VALVES, INSTRUMENTS, ETC.

5. SEE SECTION 400506 - PIPE COUPLINGS AND ACCESSORIES AND APPLICABLE DETAILS FOR ADDITIONAL INFORMATION.

FIRE PROTECTION NOTES

1. PROVIDE AND MAINTAIN FIRE SUPPRESSION EQUIPMENT IMMEDIATELY ACCESSIBLE TO PERSONNEL FOR THE DURATION OF THE PROJECT. ADD SUPPLIES, EQUIPMENT, AND PERSONNEL AS ENVIRONMENTAL CONDITIONS AND WORK AREA(S) DICTATE. PROVIDE A FIRE SPOTTER FOR ALL WELDING ACTIVITY AND WHERE VEHICLES AND EQUIPMENT ARE OPERATED OUTSIDE OF PAVED AREAS.

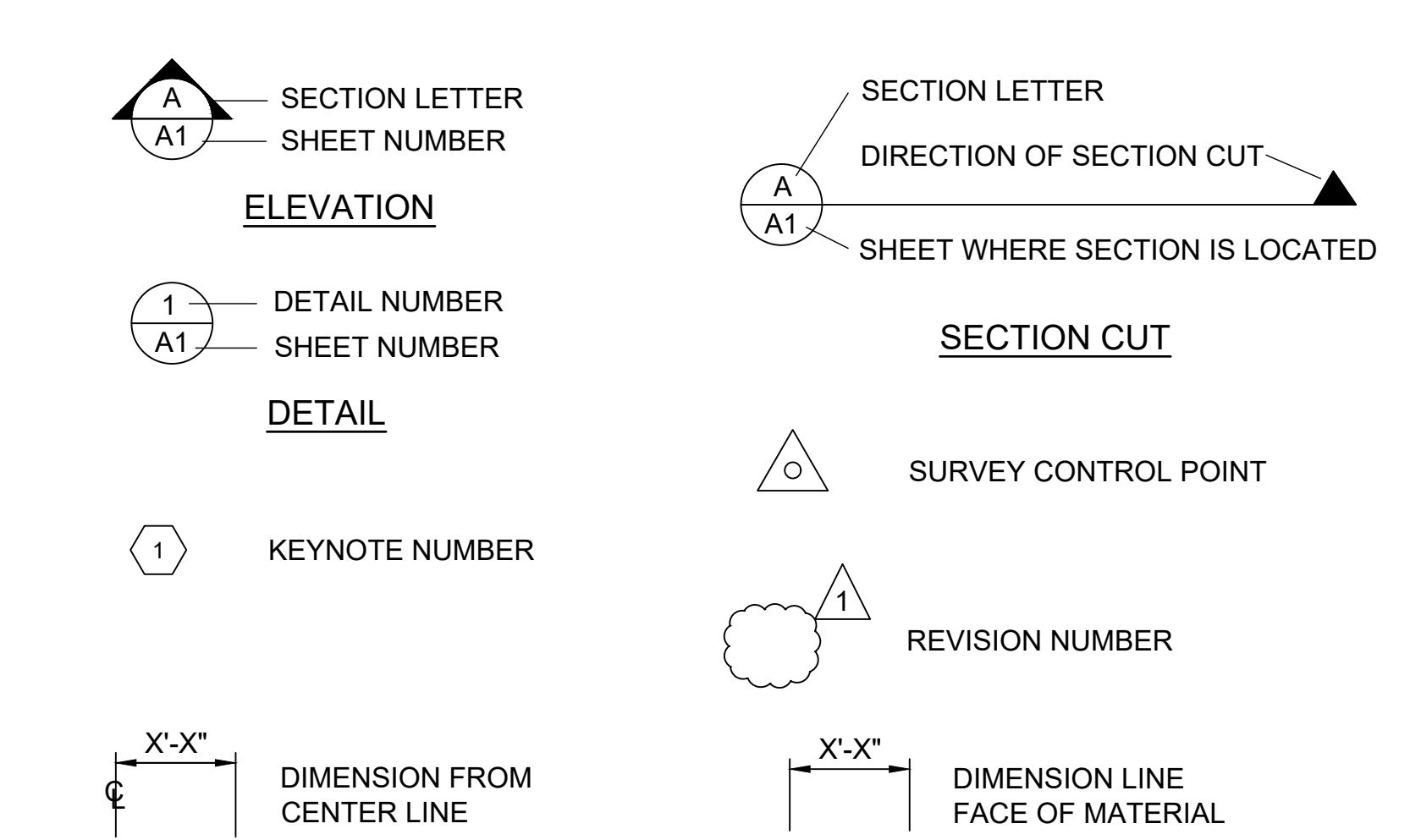
2. SEE SECTION 015116 - TEMPORARY FIRE PROTECTION FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

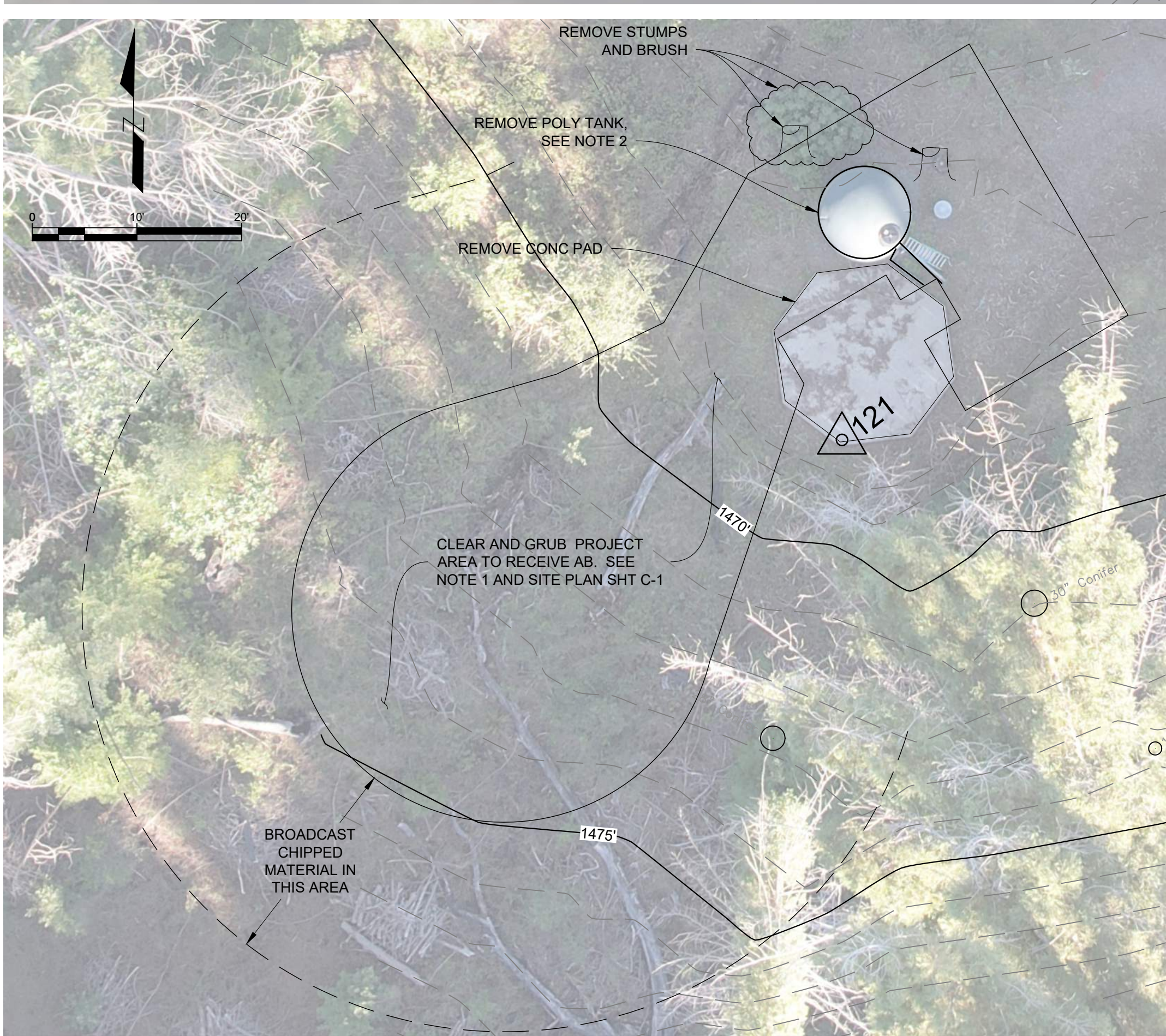
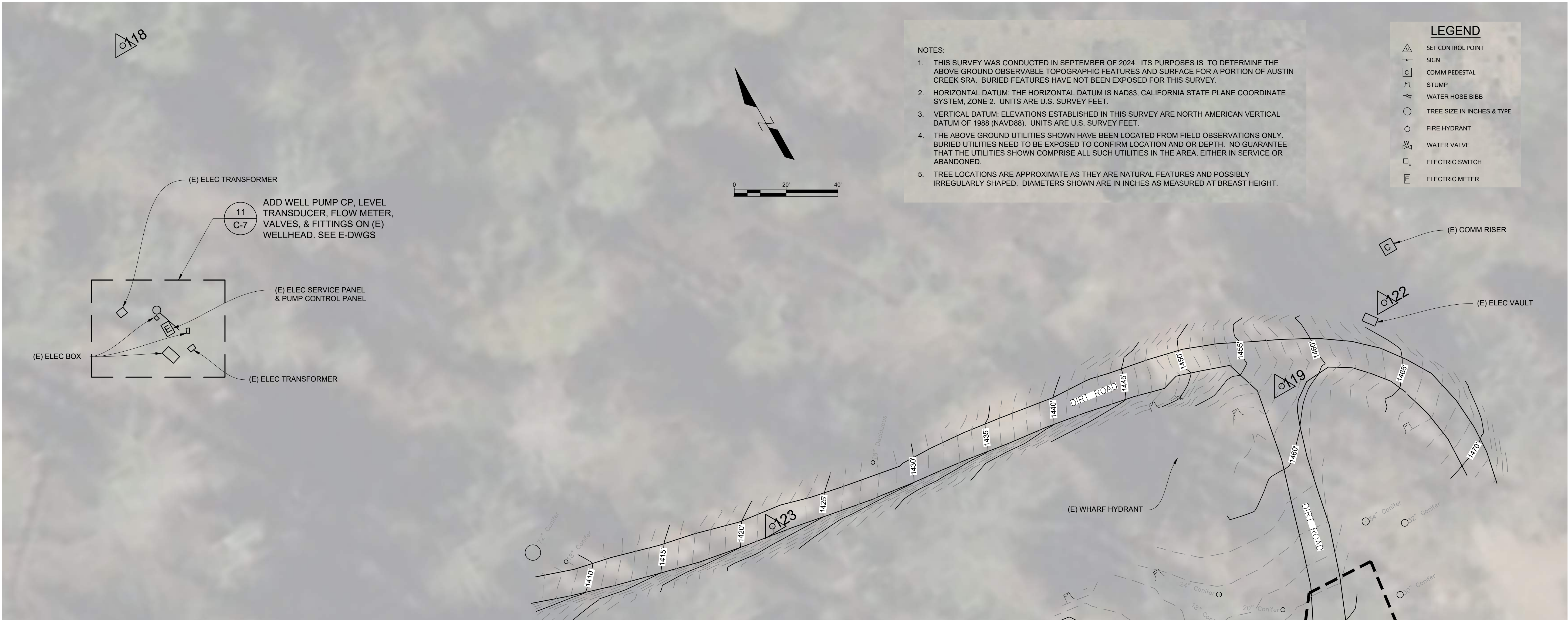
CULTURAL AND RESOURCE MONITORING NOTES

1. WORK INVOLVING GROUND DISTURBANCE WILL BE MONITORED BY STATE CULTURAL/ARCHAEOLOGICAL STAFF THE COST OF WHICH IS COVERED BY THE STATE. NOTIFY THE STATE'S REPRESENTATIVE PRIOR TO WORK SO THAT STAFF CAN BE SCHEDULED. SEE SECTION 000810 OF THE PROJECT MANUAL FOR ADDITIONAL INFORMATION.

2. IF ITEMS OF SIGNIFICANCE ARE ENCOUNTERED, STOP WORK IN THE AFFECTED AREA AND PROMPTLY NOTIFY THE STATE'S REPRESENTATIVE.

GENERAL SYMBOLS





DEMOLITION NOTES:

- CLEAR AND GRUB AREA REQUIRED TO CONSTRUCT THE IMPROVEMENTS.
 - SEPARATE STUMPS, LOGS, VEGETATION, ETC., FROM TOPSOIL AND STOCKPILE TOPSOIL SEPARATELY, SEE EXCAVATION AND FILL NOTE 5 SHEET G2 FOR ADDITIONAL INFORMATION.
 - LOG DECK MATERIAL OVER 10" FOR PARK TO REMOVE.
 - CHIP MATERIAL UNDER 10" AND BROADCAST CHIPS ONSITE WHERE SHOWN.
 - PILE OTHER CLEARED MATERIAL ONSITE FOR PARK TO DISPOSE. COORDINATE LOCATION OF PILE(S) WITH PARK STAFF PRIOR TO CLEARING.
 - REFER TO THE GEOTECHNICAL REPORT FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
- REMOVE POLY TANK AND SET ASIDE FOR PARK STAFF TO REMOVE FROM SITE. NOTIFY STATE'S REPRESENTATIVE 2 WEEKS PRIOR TO REMOVAL SO ARRANGEMENTS WITH PARK STAFF CAN BE MADE.

PROJECT CONTROL				
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
118	1968851.67	6272795.94	1352.13	60d
119	1968514.34	6273117.48	1458.05	60d
120	1968369.02	6273092.29	1471.14	60d
121	1968374.70	6273045.21	1467.72	Chiseled X
122	1968522.43	6273167.85	1466.04	60d
123	1968565.80	6272920.32	1421.89	60d

SURVEY CONTROL & KEY PLAN

SCALE: 1" = 20'



FACILITIES AND DEVELOPMENT DIVISION



DPR ACCESS COMPLIANCE REVIEW ACCESSIBILITY SECTION	
CERTIFICATION #	
Reviewed by	Date
ACCESSIBILITY COMPLIANCE AND STATE FIRE MARSHAL SIGNED ORIGINALS ARE ON FILE AT THE DEPARTMENT OF PARKS AND RECREATION, NORTHERN SERVICE CENTER	

DESIGNED:	KH
DRAWN:	KH
CHECKED:	NSC
DATE:	04-15-26

REVISIONS	DATE

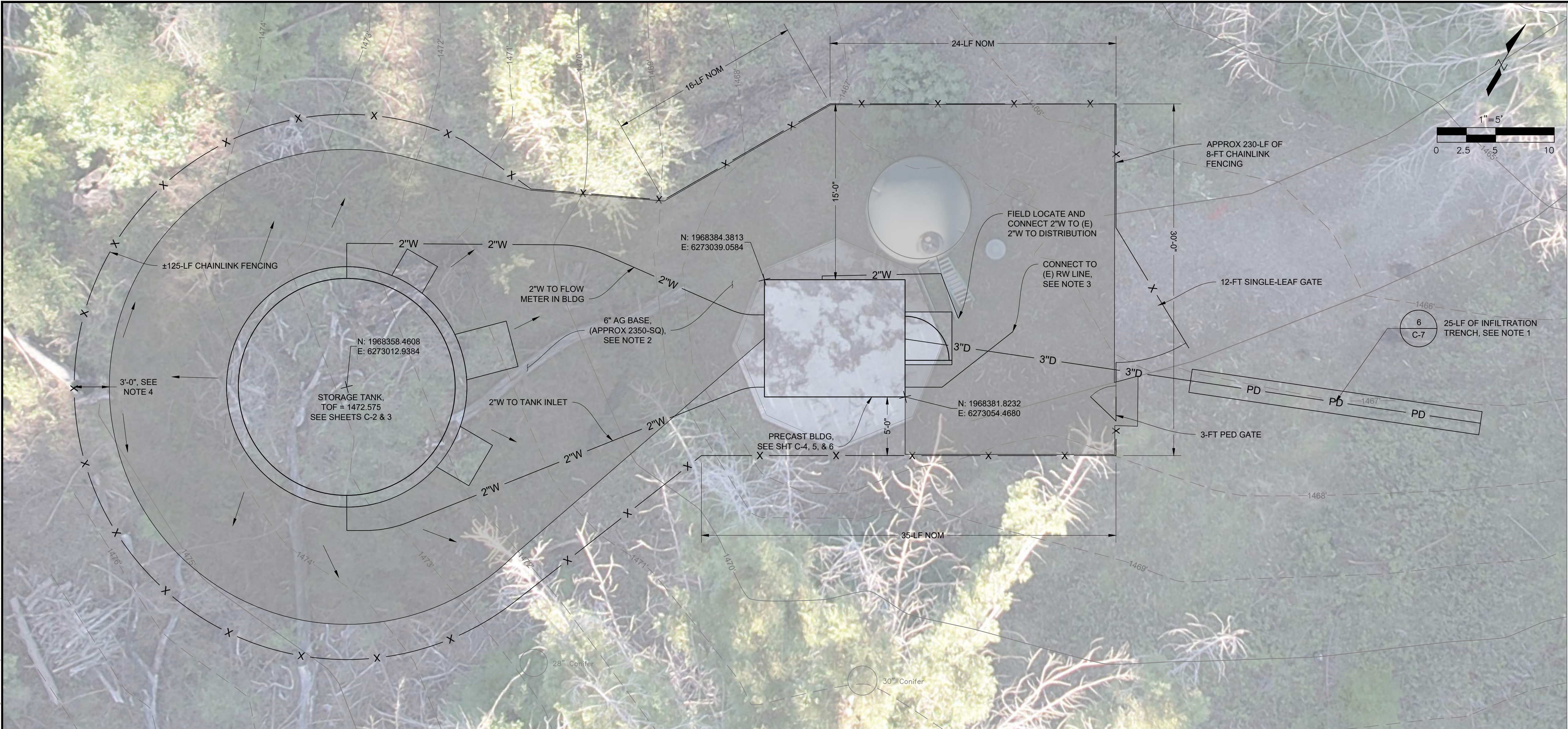
AUSTIN CREEK STATE RECREATION AREA
BULLFROG POND AND POND FARM WATER SYSTEM
SURVEY CONTROL & KEY AND
DEMOLITION PLANS

207907.3

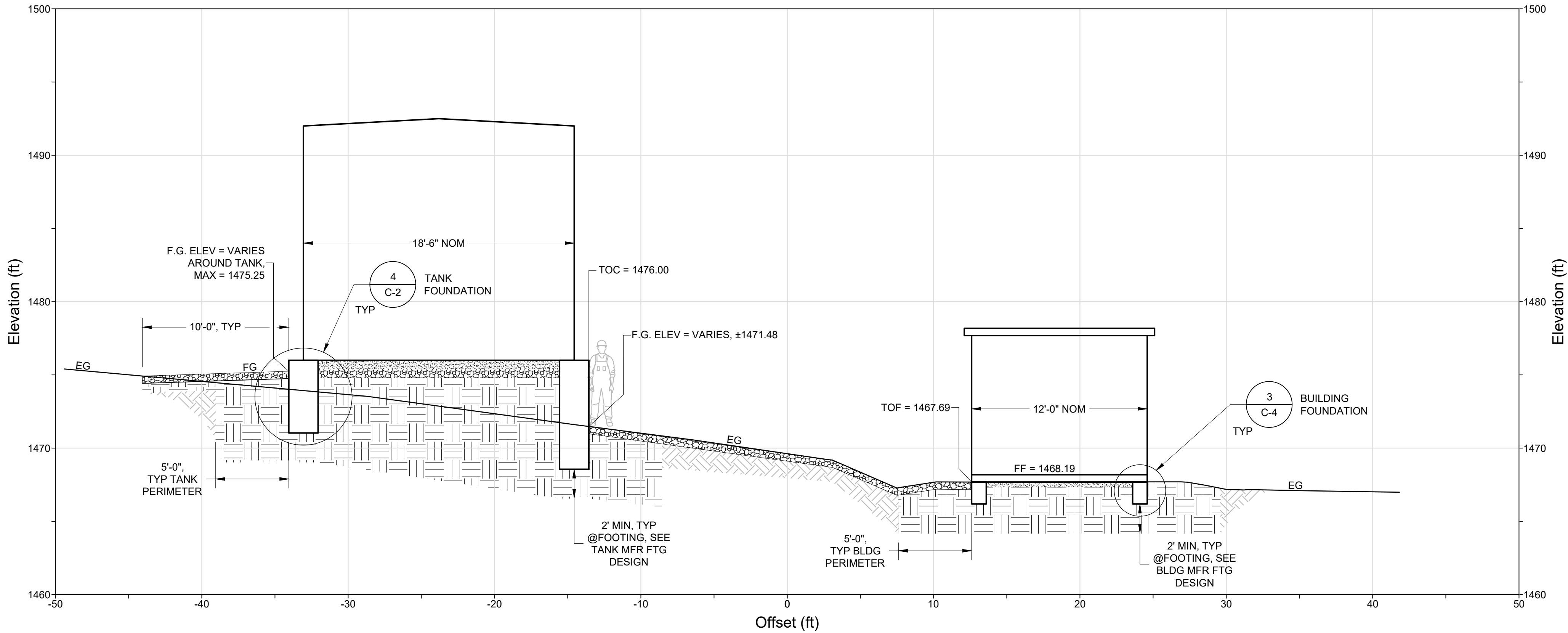
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3 OF 25

File: C:\Users\kenneth.henderson\OneDrive - California State Parks\Desktop\CSP Projects Local\Austin Creek Water\05 Drawings\Civil\C-1 SITE AND FOUNDATION PLANS.dwg Date: May 07 2026 - 2:56 pm



SITE PLAN
SCALE: 1" = 5'

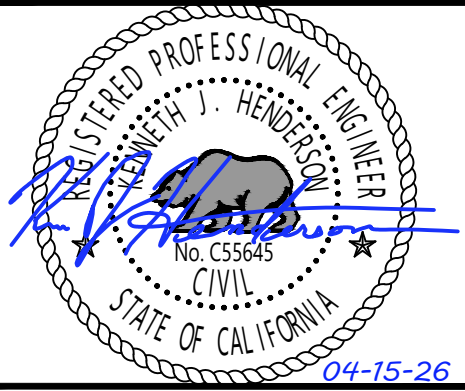


SECTION
SCALE: 1" = 5'

- NOTES:
1. ALIGNMENT OF INFILTRATION TRENCH APPROXIMATELY FOLLOWS CONTOUR. FIELD VERIFY AND ADJUST TO MAINTAIN THE TRENCH AND PERFORATE PIPE LEVEL.
 2. CLEAR AND GRUB AREA TO RECEIVE AB. SEE DEMOLITION NOTES ON SHEET G3. STRIP TOPSOIL AND EXPOSED SUBGRADE TO A TOTAL DEPTH OF 6". SCARIFY EXPOSED SUBGRADE TO 8", MOISTURE CONDITION TO 3% ABOVE OPTIMUM, AND COMPACT TO 85% RELATIVE DENSITY. PLACE 6" OF CLASS II AB. MOISTURE CONDITION AND COMPACT TO 90% RELATIVE DENSITY. GRADE AREA TO PROVIDE POSITIVE DRAINAGE AWAY FROM TANK AND BUILDING FOUNDATIONS.
 3. FIELD LOCATE (E) 2"RW AND REROUTE TO BUILDING. CROSS UNDER 3"D. REMOVE REMAINING SEGMENT OF (E) 2"W TO (E) POLY TANK.
 4. FENCE SHOWN ILLUSTRATES THE GENERAL PLACEMENT. VEGETATION MAY CONFLICT. CONFIRM LAYOUT OF FENCE AND ITS PROXIMITY TO TREES WITH PARK STAFF.



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DPR ACCESS COMPLIANCE REVIEW ACCESSIBILITY SECTION	
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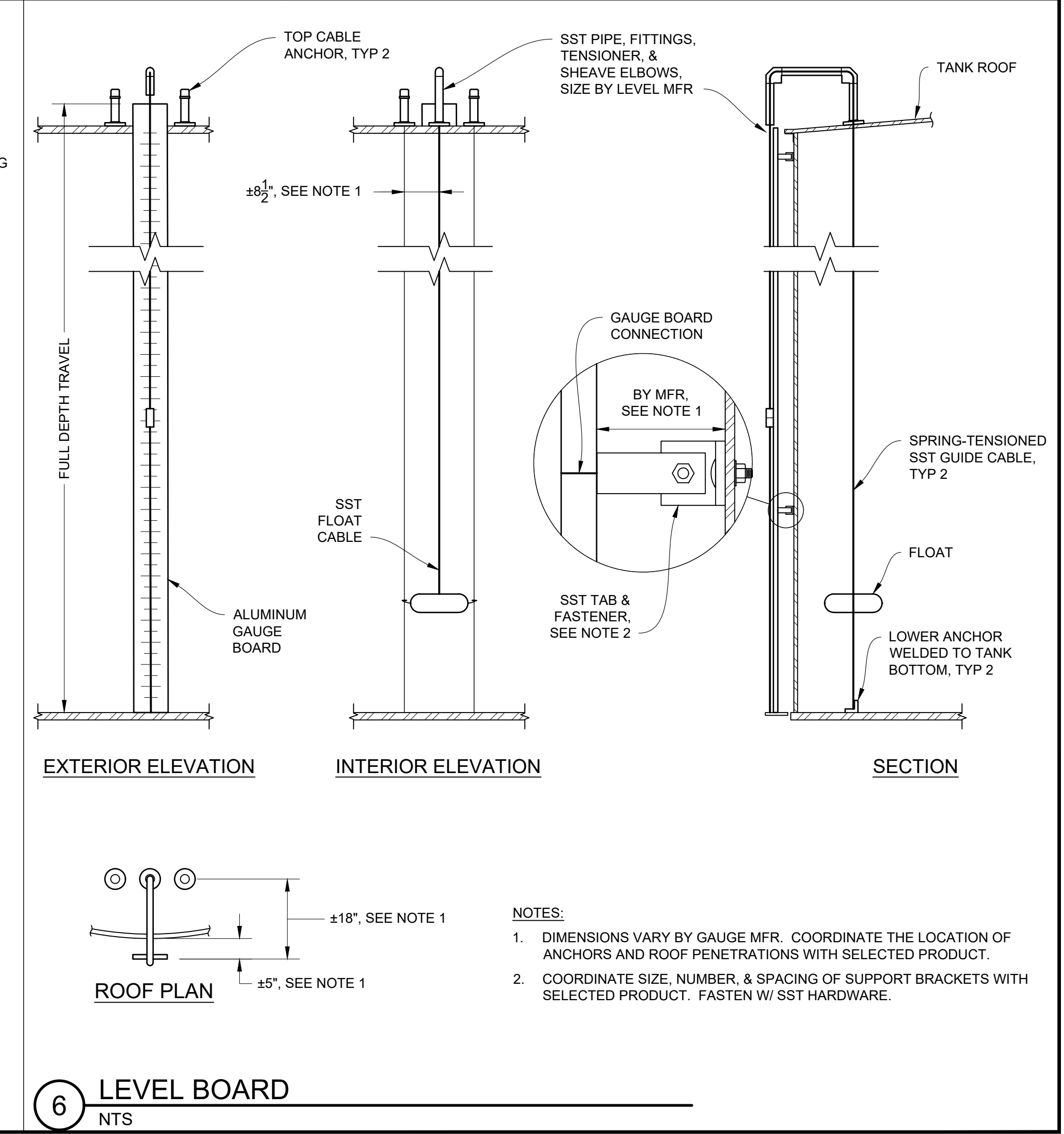
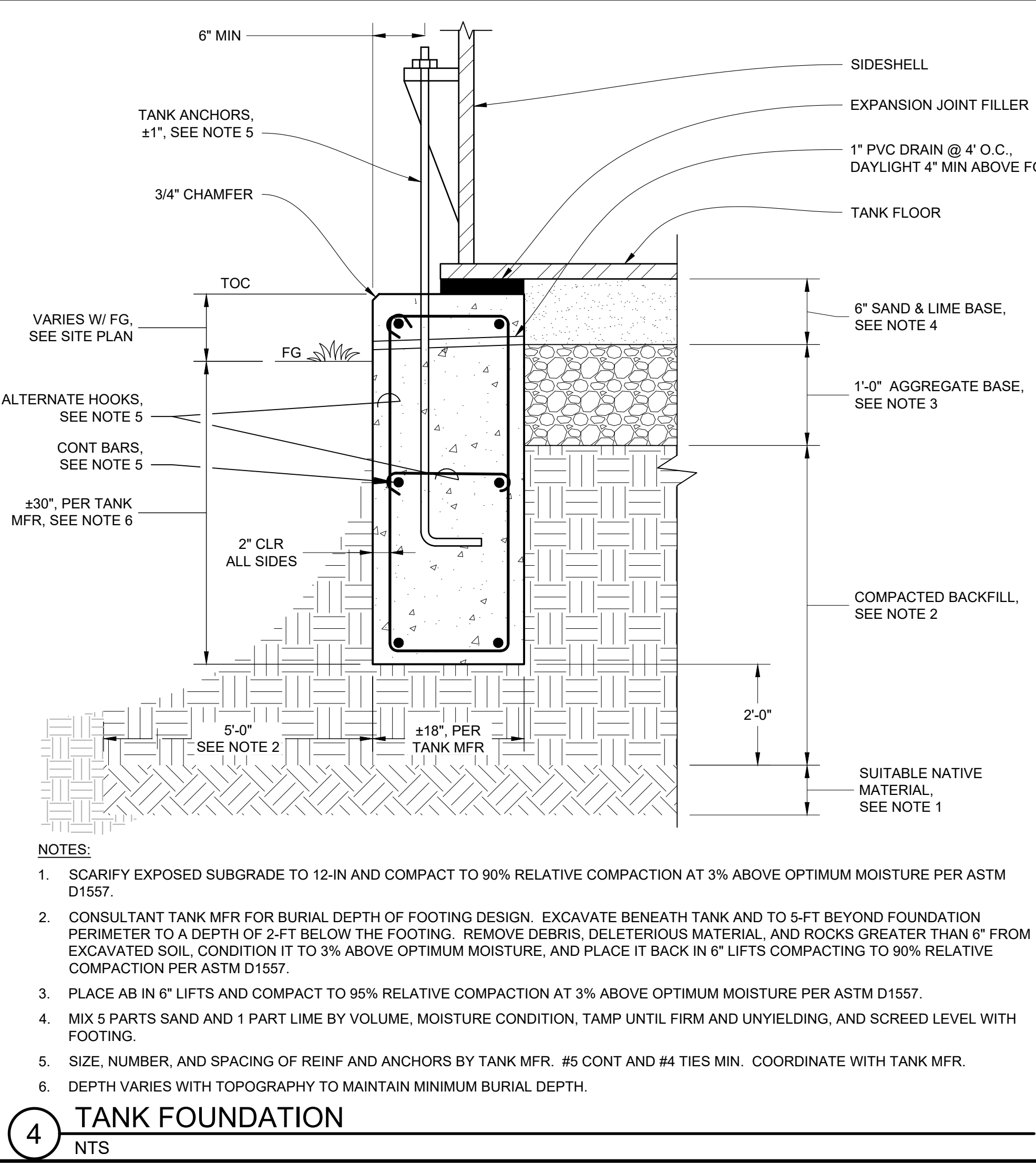
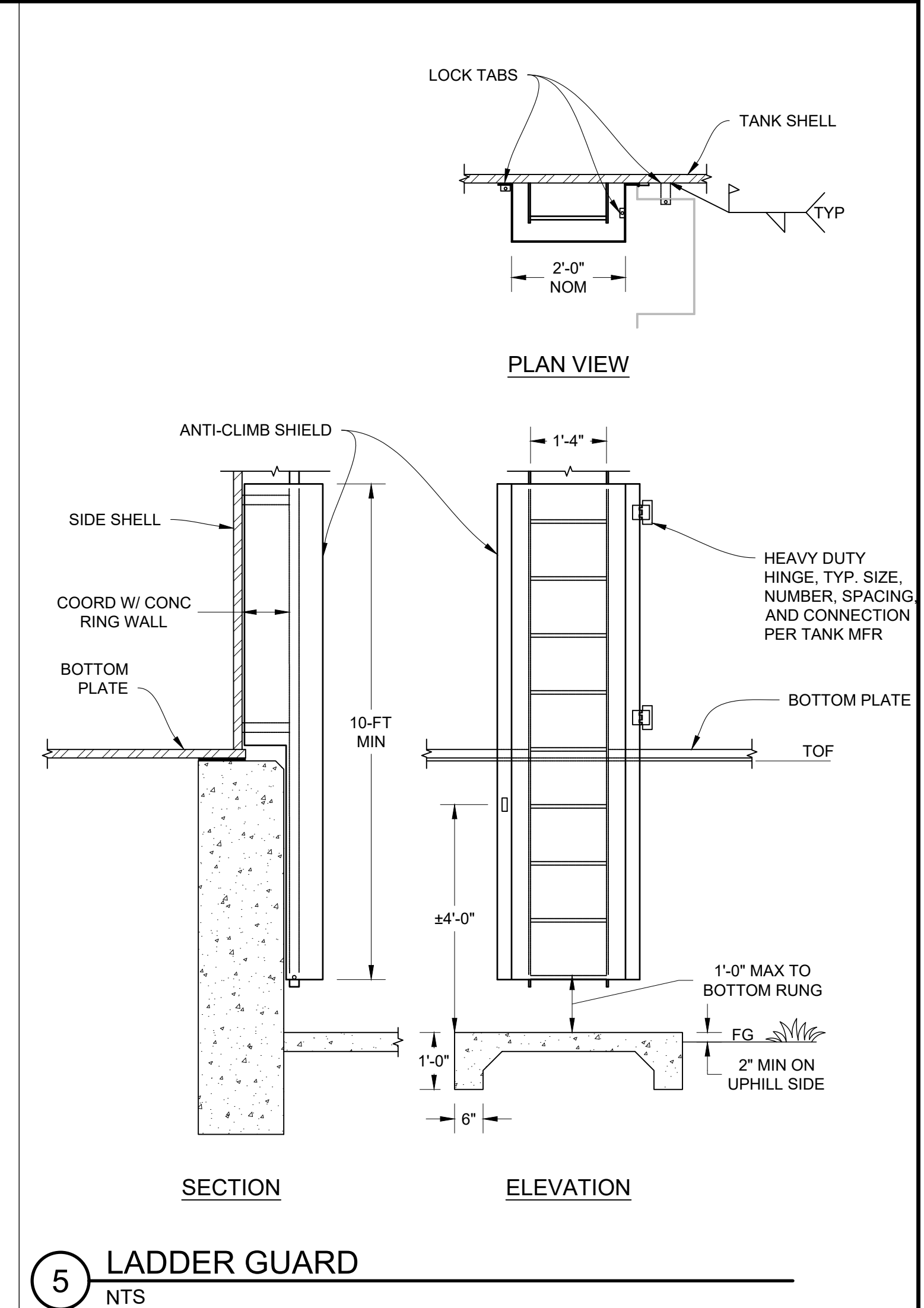
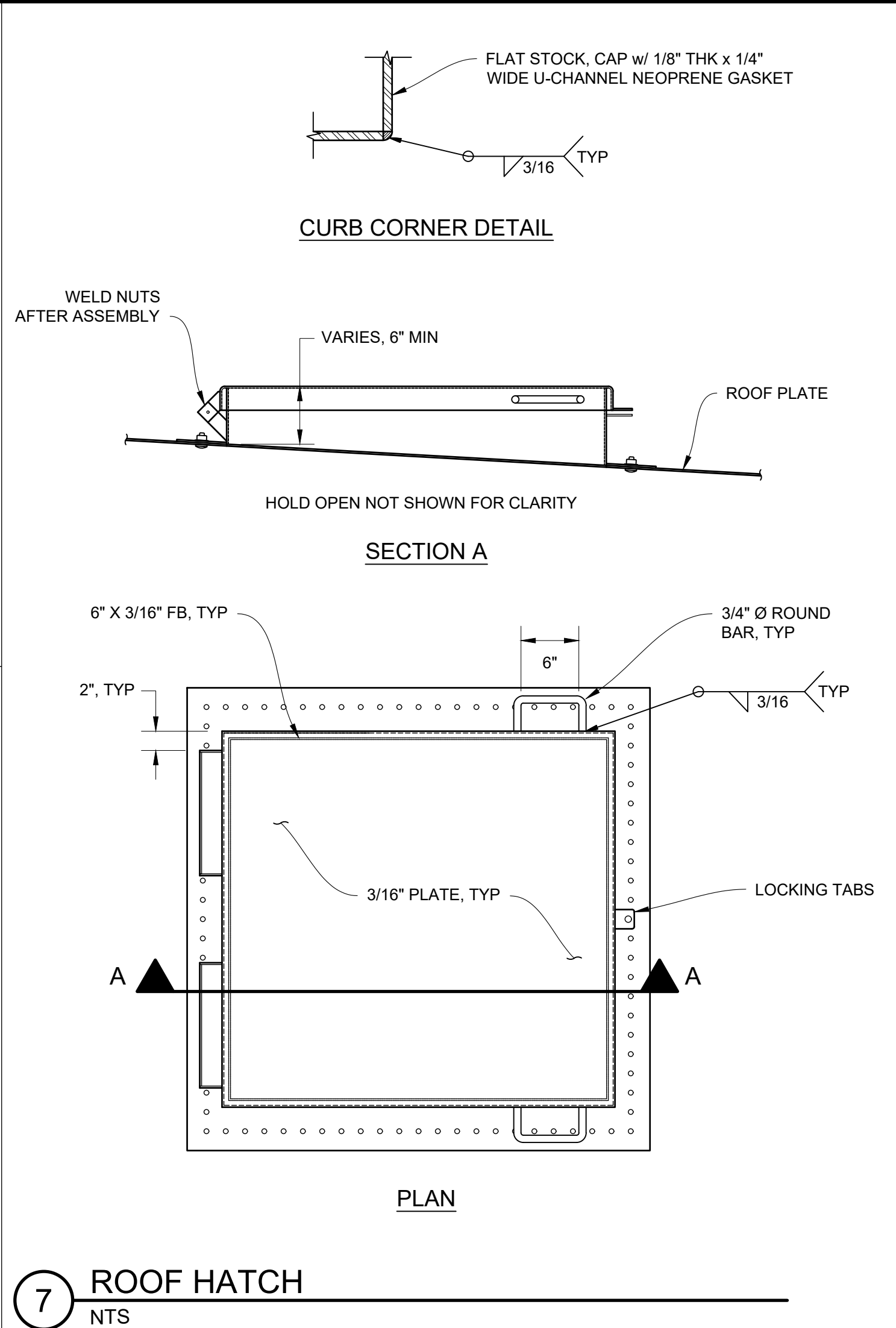
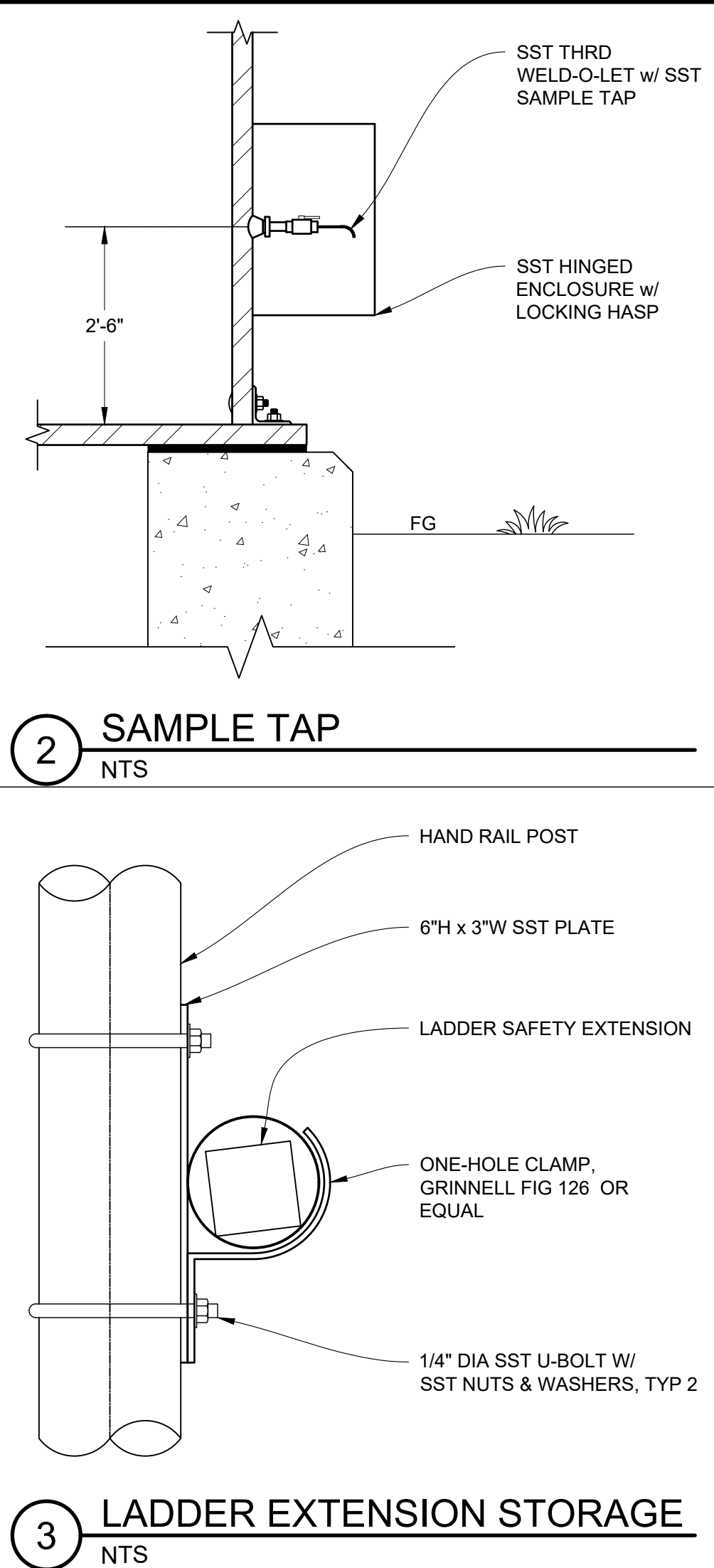
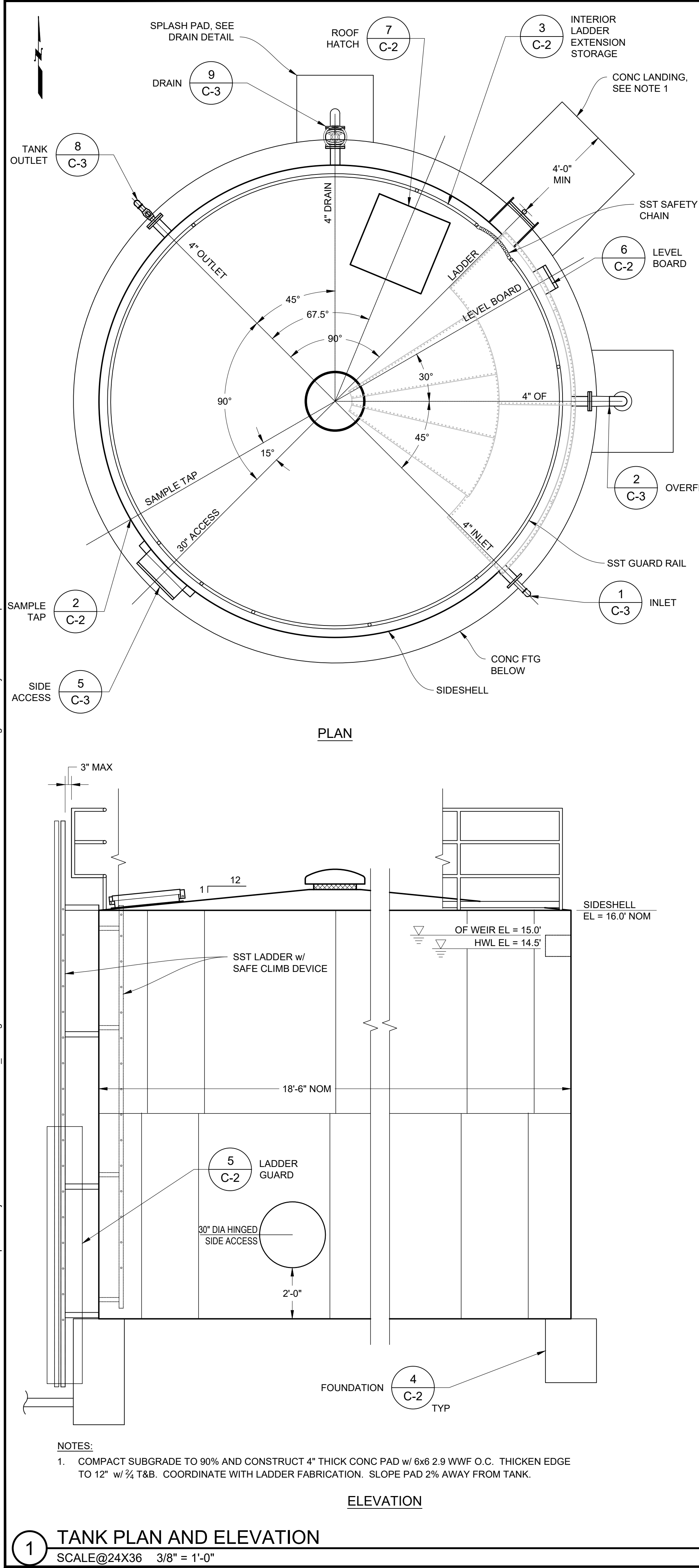
AUSTIN CREEK STATE RECREATION AREA
BULLFROG POND AND POND FARM WATER SYSTEM

SITE AND FOUNDATION PLANS

207907.4

SHEET NO.
C-1
4 OF 25

File: C:\Users\Kenneth.henderson\OneDrive - California State Parks\Desktop\CSP Projects Local\Austin Creek Water\05_Drawings\Civil\C-2 STORAGE TANK PLAN ELEVATIONS AND DETAILS.dwg Date: May 07 2026 - 2:56 pm





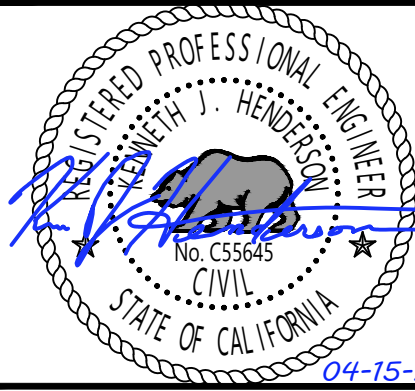
CALIFORNIA STATE PARKS
SINCE 1864

FACILITIES AND DEVELOPMENT DIVISION

OFFICE OF THE STATE FIRE MARSHAL
APPROVED FIRE AND PANIC ONLY

6/2/2026
26-1924
SINCE 1889

Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.



REGISTERED PROFESSIONAL ENGINEER
KENNETH J. HENDERSON
No. C5565
CIVIL
STATE OF CALIFORNIA
04-15-26

DPR ACCESS COMPLIANCE REVIEW
ACCESSIBILITY SECTION
CERTIFICATION #

Reviewed by Date

ACCESSIBILITY COMPLIANCE AND STATE FIRE MARSHAL SIGNED ORIGINALS ARE ON FILE AT THE DEPARTMENT OF PARKS AND RECREATION, NORTHERN SERVICE CENTER

DESIGNED: KH
DRAWN: KH
CHECKED: NSC
DATE: 04-15-26

REVISIONS	DATE

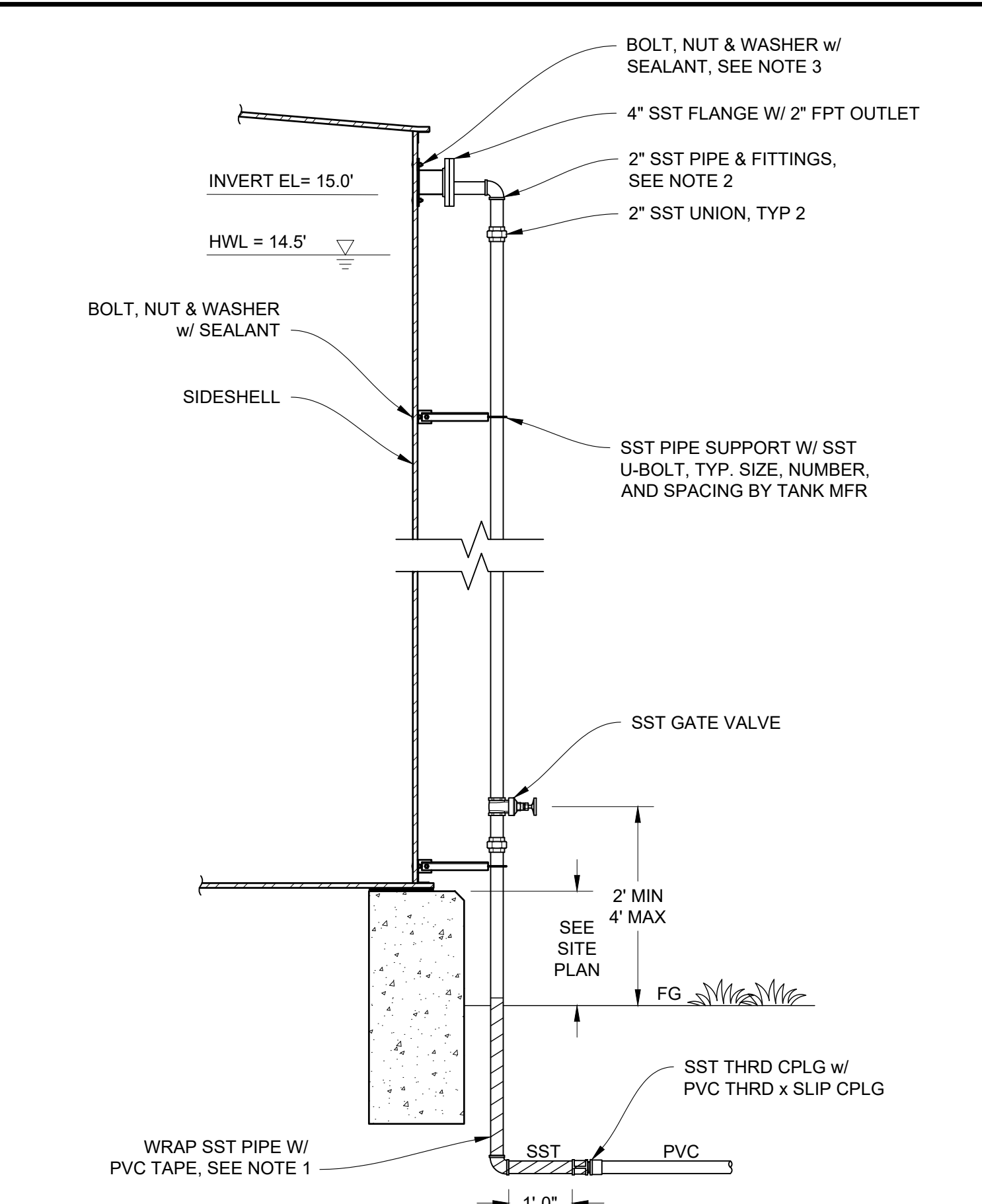
AUSTIN CREEK STATE RECREATION AREA
BULLFROG POND AND POND FARM WATER SYSTEM

STORAGE TANK PLAN ELEVATION & DETAILS

207907.5

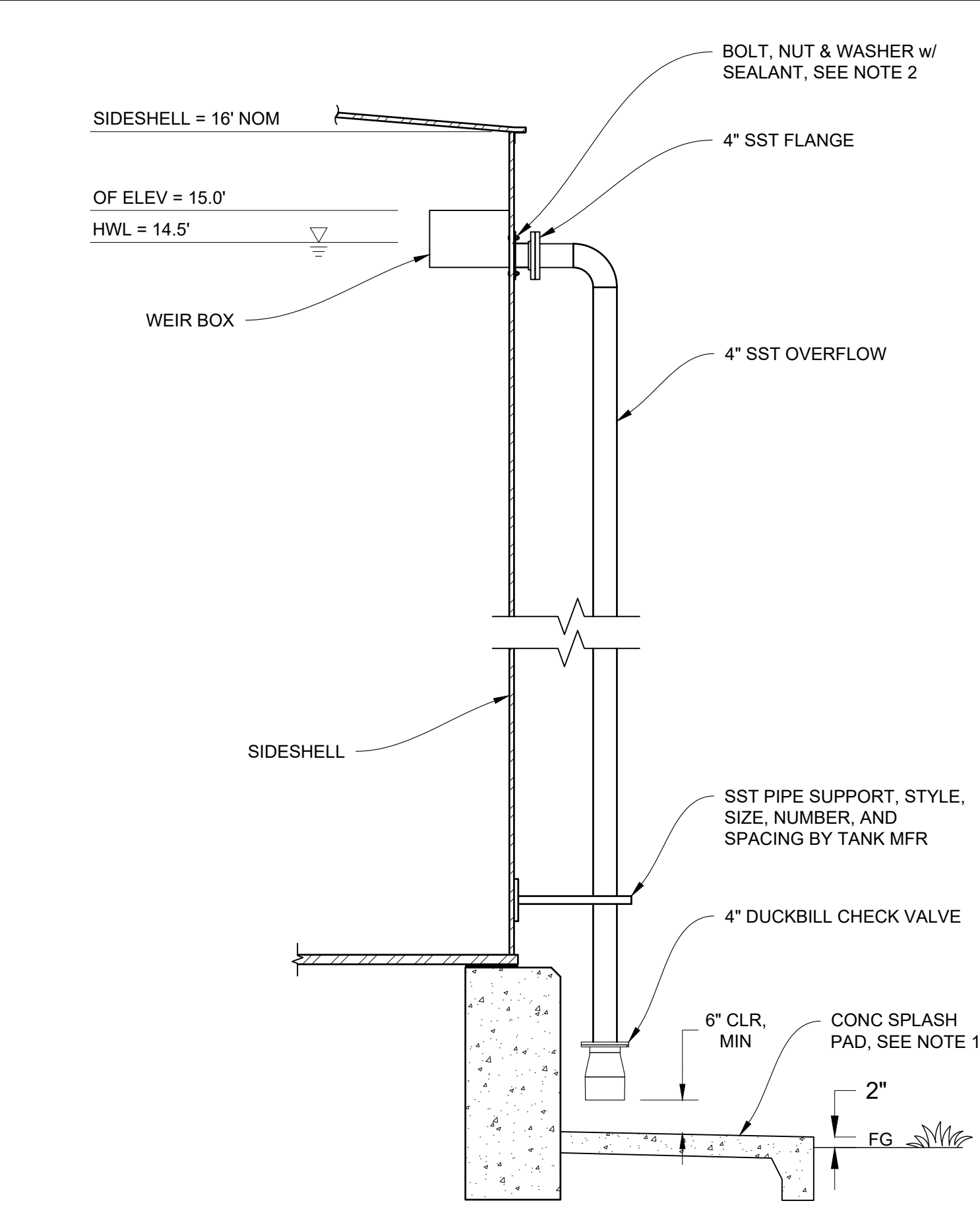
SHEET NO.
C-2
5 OF 25

File: C:\Users\Kenneth.henderson\OneDrive - California State Parks\Desktop\CSP Projects Local\Austin Creek Water\05_Drawings\Civil\C-3 STORAGE TANK DETAILS.dwg Date: May 07 2026 - 2:57 pm



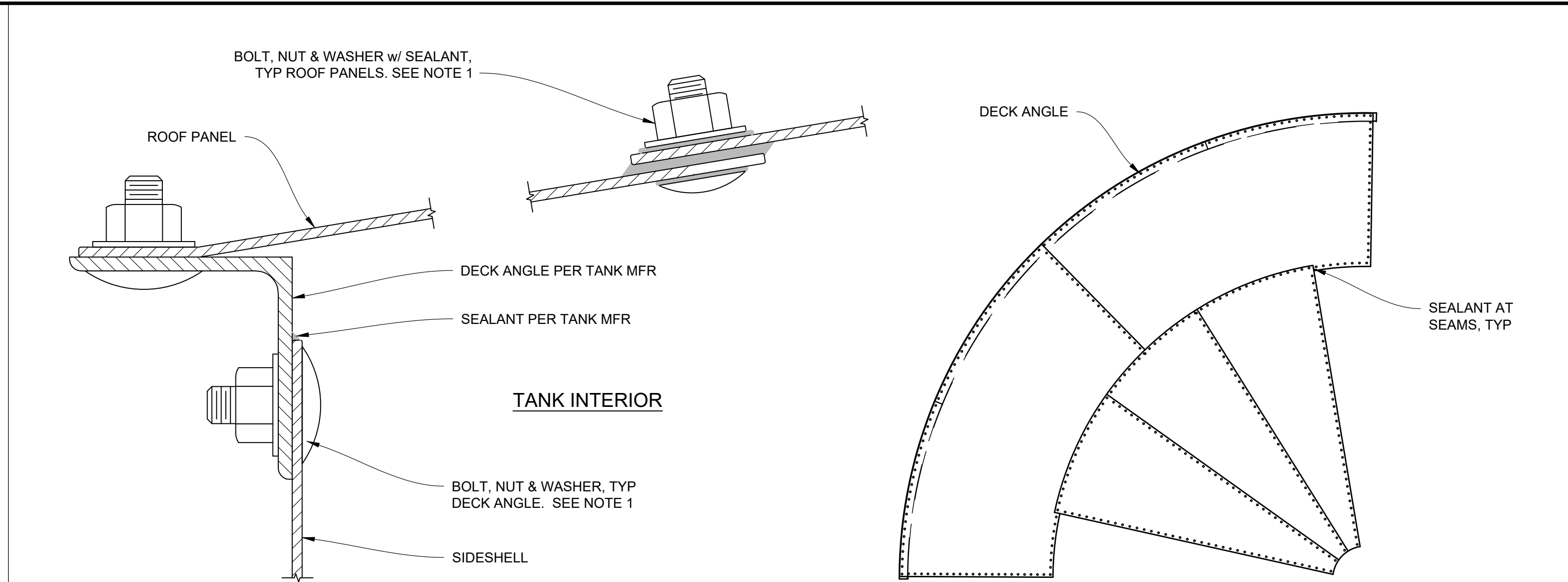
- NOTES:
1. WRAP BURIED SST PIPE FROM COUPLING TO 2" ABOVE FG WITH 2 OVERLAPPING LAYERS OF 2" 20-MIL PVC TAPE.
 2. ASSEMBLE THREADED SST PIPE, FITTINGS, & VALVES WITH ANTI-SEIZE COMPOUND.
 3. TANK PENETRATION AND NUMBER, SIZE, TYPE, AND SPACING OF BOLTS PER TANK MANUFACTURER.

1 TANK INLET



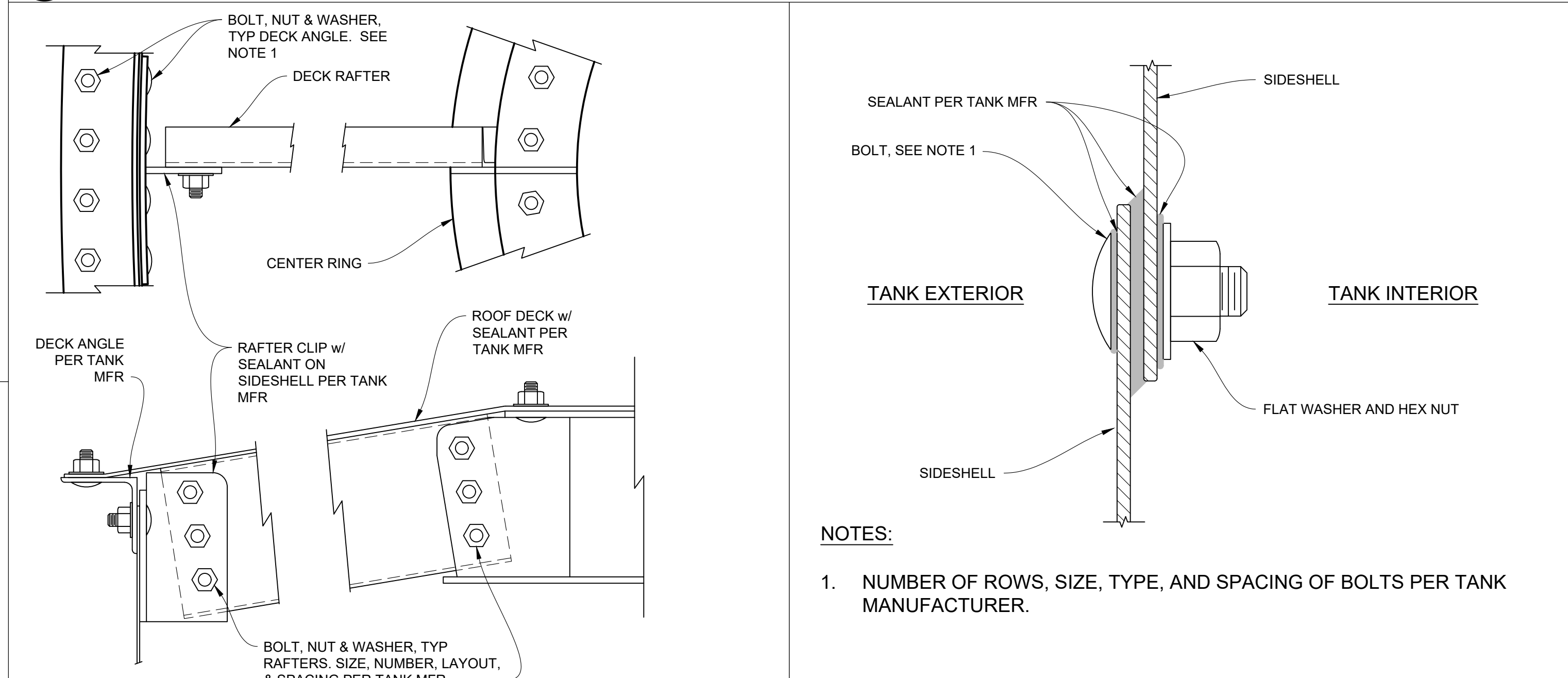
- NOTES:
1. CONSTRUCT 4' SQ, 4" THK SPLASH PAD w/ 6x6 2.9 WWF O.C. CENTERED UNDER OVERFLOW. THICKEN EDGE TO 12" w/ 2#4. COMPACT SUBGRADE TO 90%, SET TOP OF CONCRETE BELOW TOP OF TANK FOOTING AND SLOPE 2% AWAY FROM TANK FOOTING.
 2. TANK PENETRATION AND NUMBER, SIZE, TYPE, AND SPACING OF BOLTS PER TANK MANUFACTURER.

2 TANK OVERFLOW



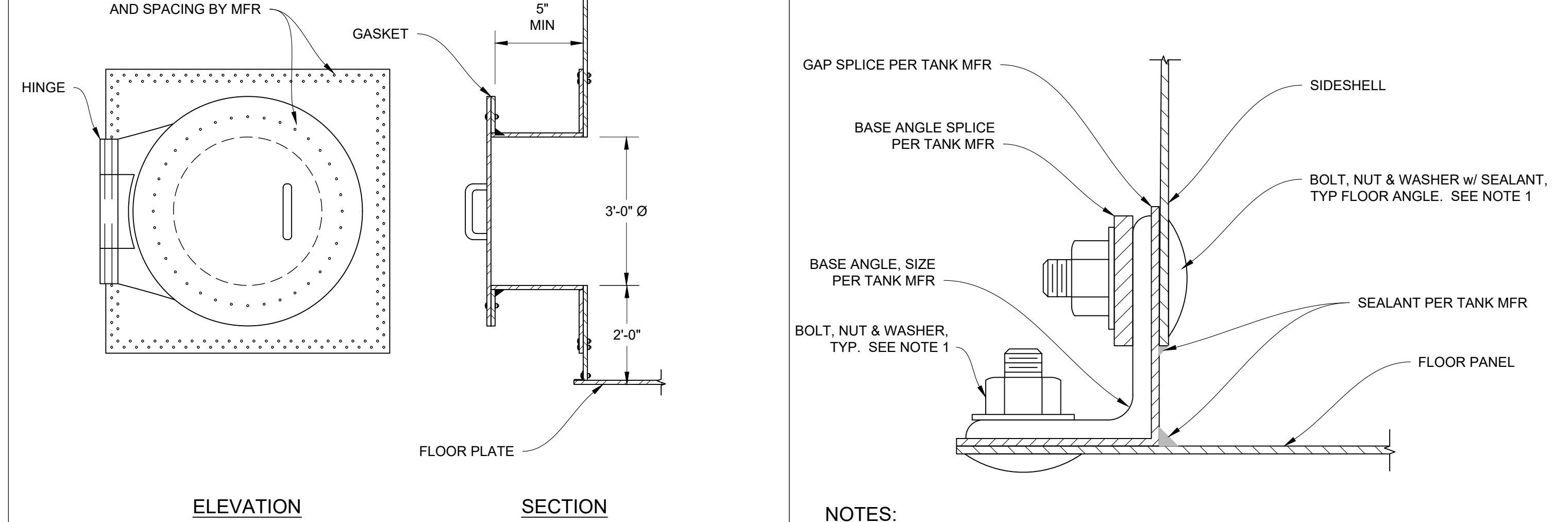
- NOTES:
1. NUMBER OF ROWS, SIZE, TYPE, AND SPACING OF BOLTS PER TANK MANUFACTURER.

3 ROOF BOLTS



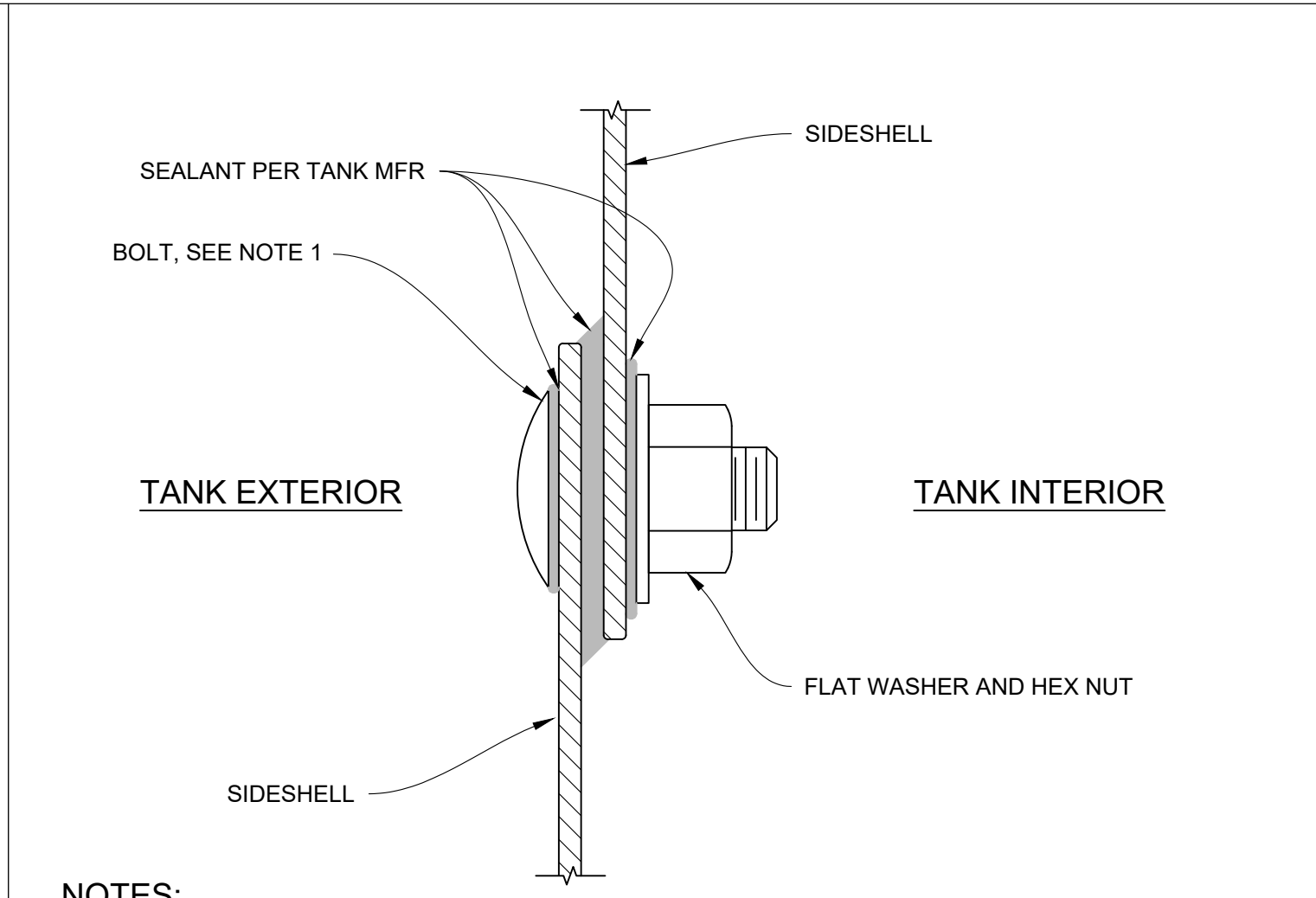
- NOTES:
1. NUMBER OF ROWS, SIZE, TYPE, AND SPACING OF BOLTS PER TANK MANUFACTURER.

4 RAFTER BOLTS



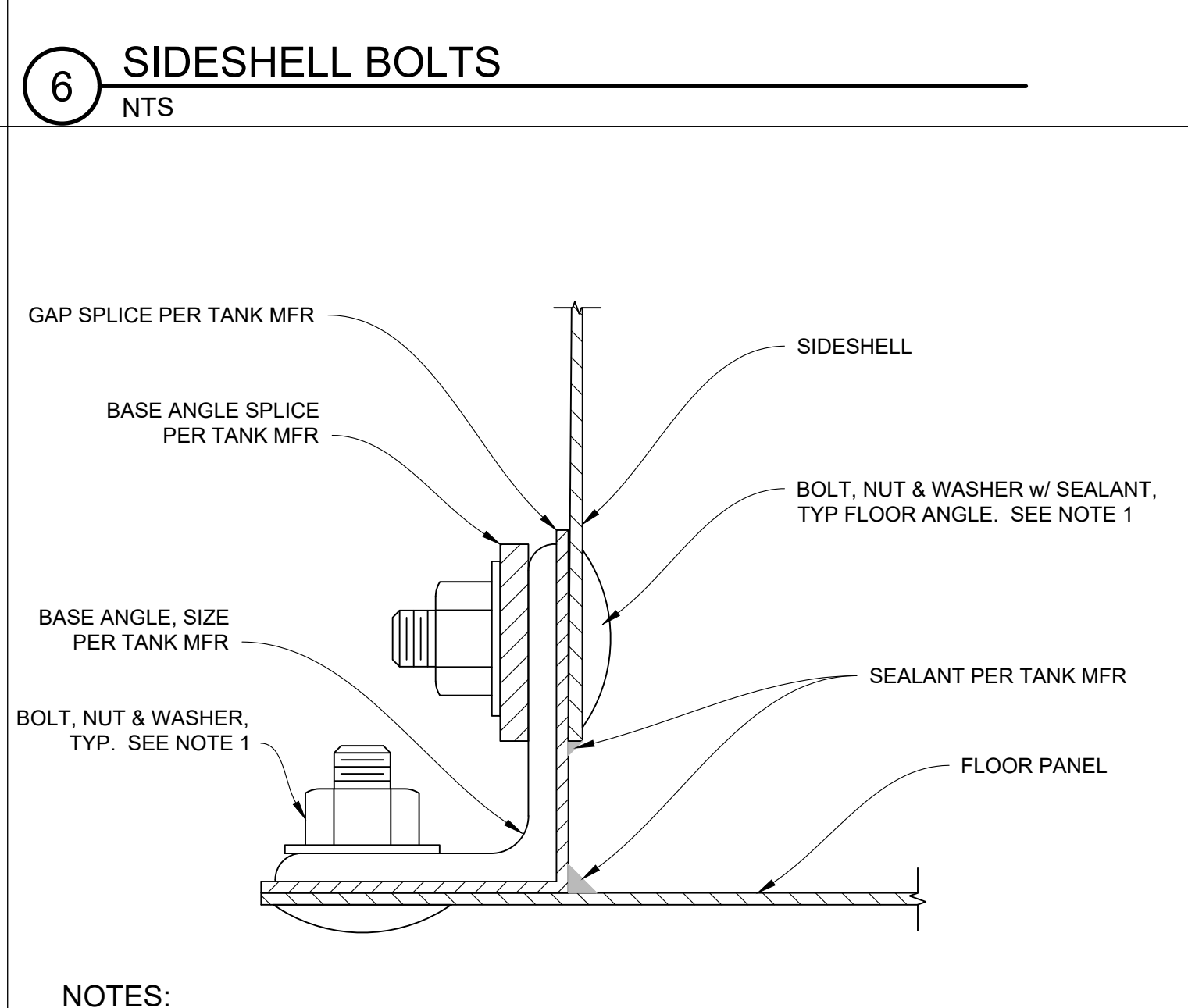
- NOTES:
1. TANK PENETRATION AND BOLTING BY TANK MFR

5 SIDE ACCESS



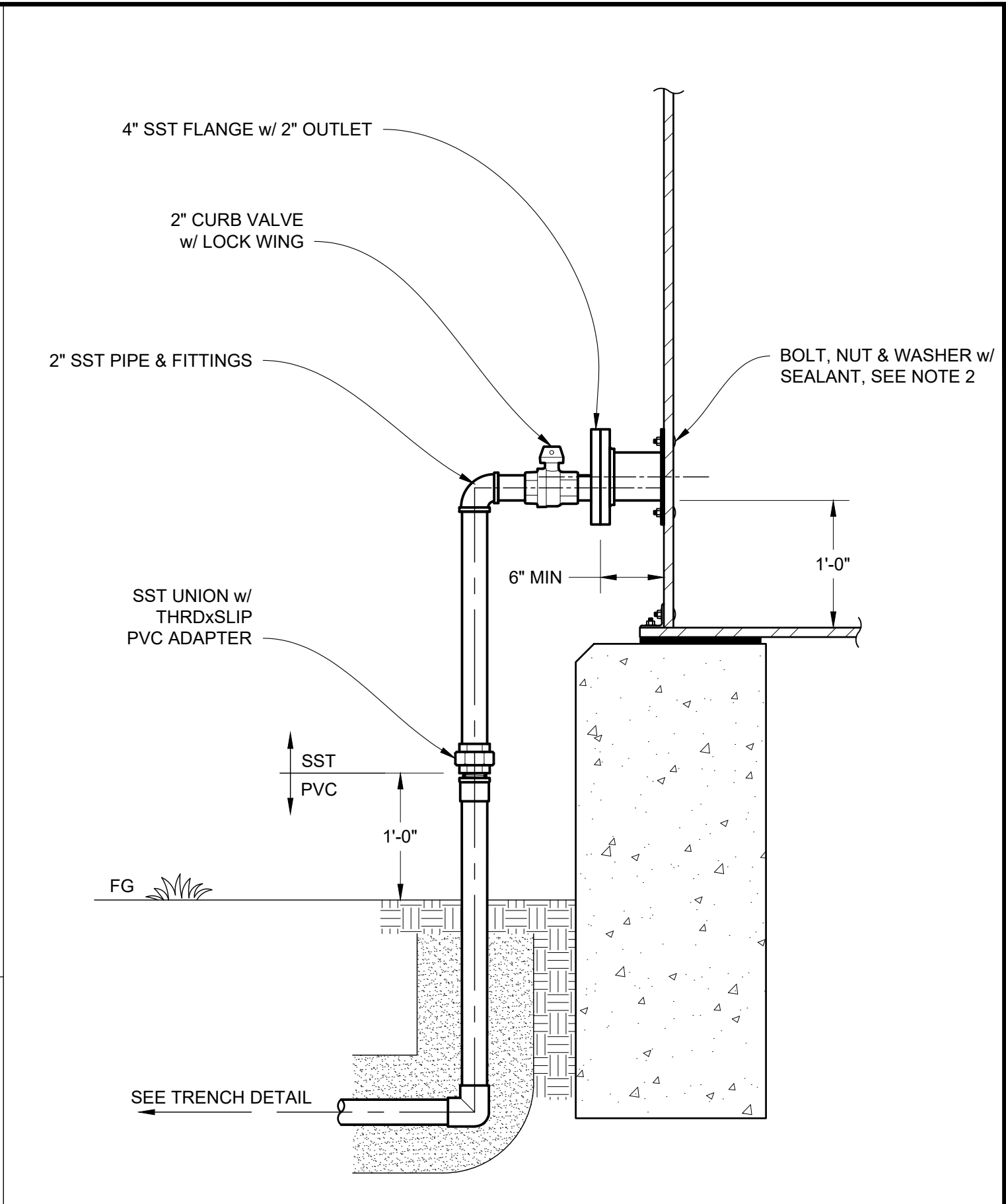
- NOTES:
1. NUMBER OF ROWS, SIZE, TYPE, AND SPACING OF BOLTS PER TANK MANUFACTURER.

6 SIDESHELL BOLTS



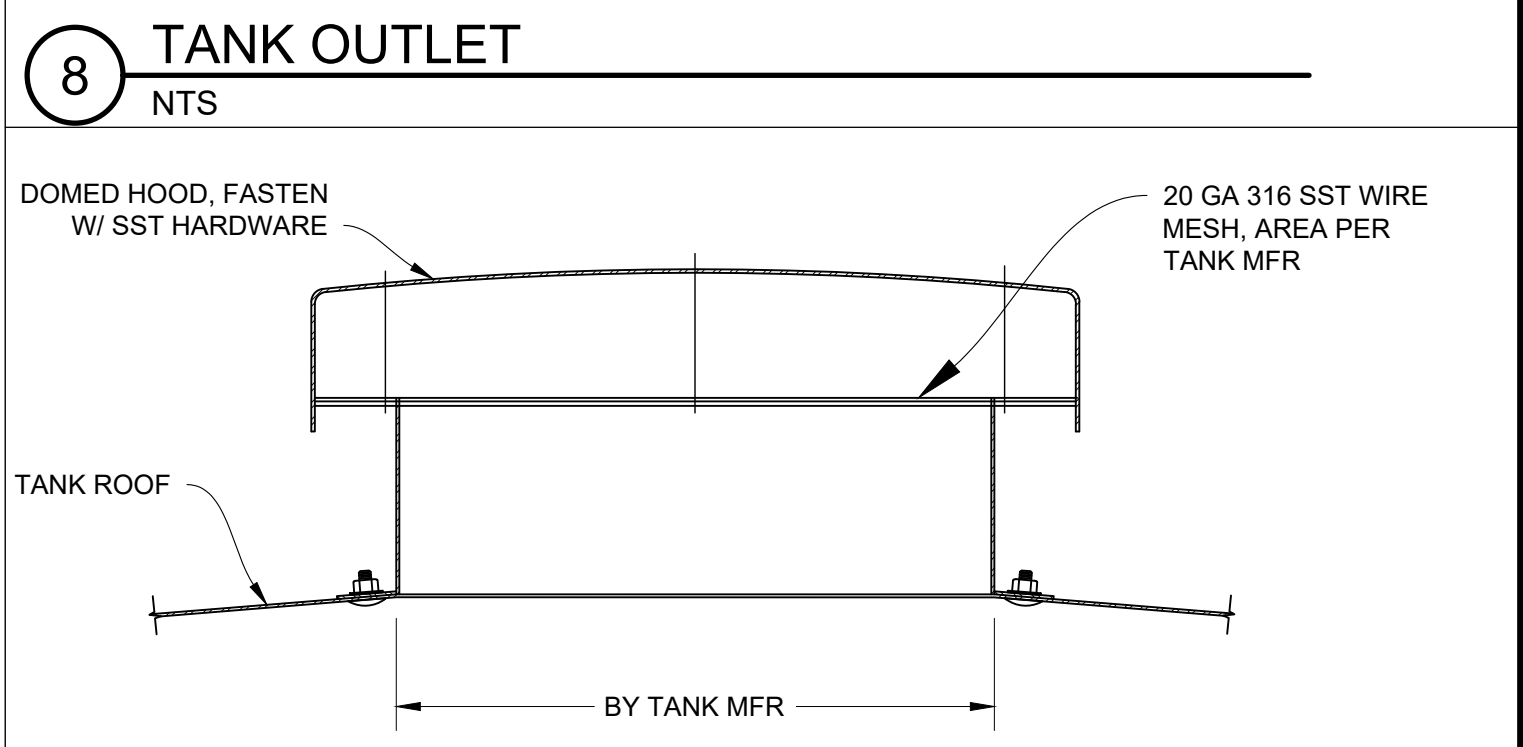
- NOTES:
1. NUMBER OF ROWS, SIZE, TYPE, AND SPACING OF BOLTS PER TANK MANUFACTURER.

7 FLOOR BOLTS



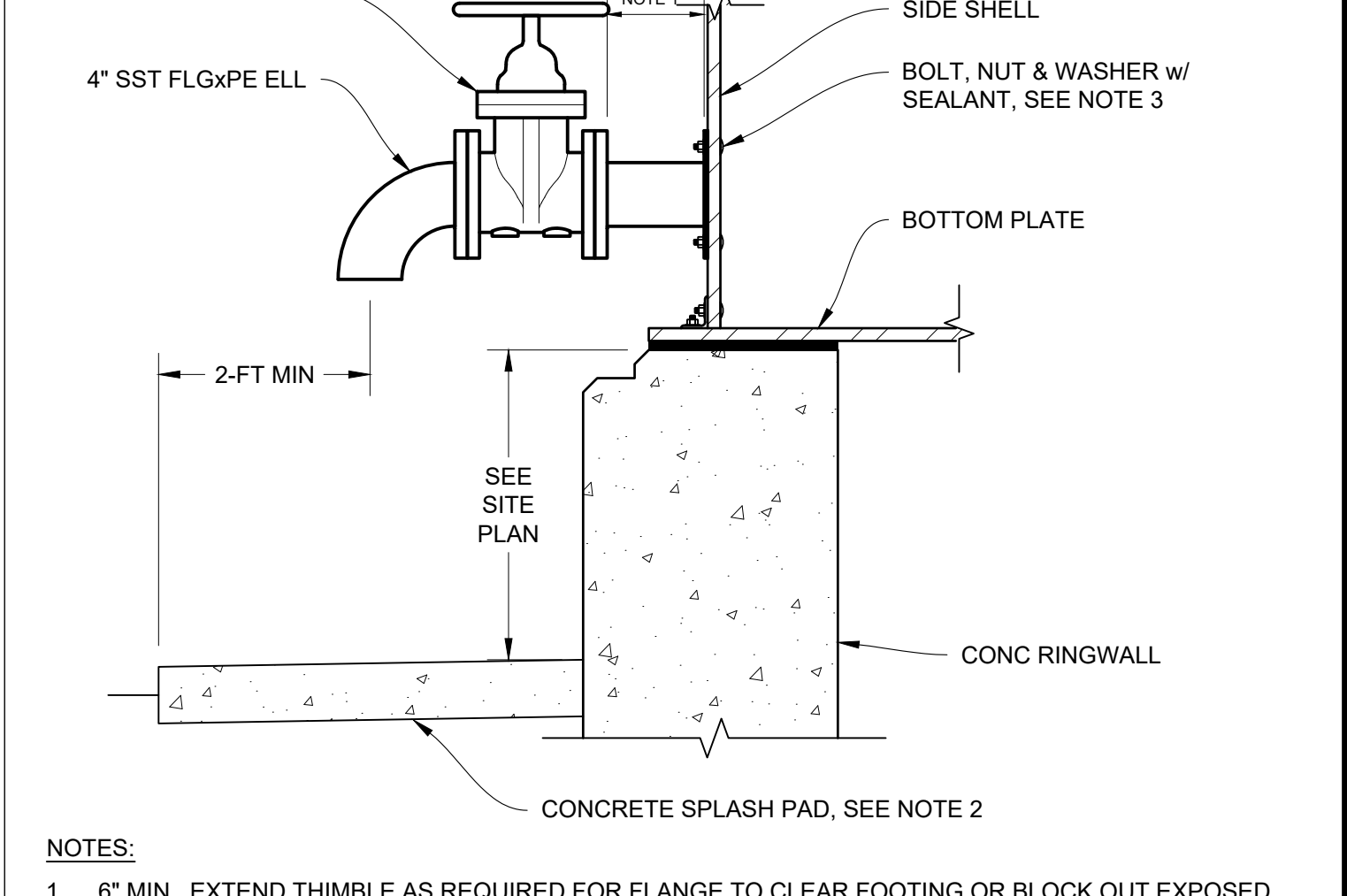
- NOTES:
1. ENCASE PIPE WITH SAND TO WITHIN 6" OF FG. TAMP IN 6" LIFTS UNTIL FIRM AND UNYIELDING.
 2. TANK PENETRATION AND NUMBER, SIZE, TYPE, AND SPACING OF BOLTS PER TANK MANUFACTURER.

8 TANK OUTLET



- NOTES:
1. TANK PENETRATION AND NUMBER, SIZE, TYPE, AND SPACING OF BOLTS PER TANK MANUFACTURER.

9 TANK VENT

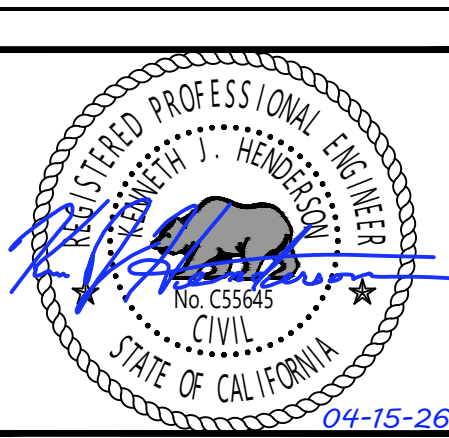


- NOTES:
1. 6" MIN. EXTEND THIMBLE AS REQUIRED FOR FLANGE TO CLEAR FOOTING OR BLOCK OUT EXPOSED TOP OF FOOTING TO ACCOMMODATE FLANGE
 2. CONSTRUCT 4' WIDE, 4" THK SPLASH PAD w/ 6x6 2.9 WWF O.C. CENTERED UNDER DRAIN. COMPACT SUBGRADE TO 90%, SET TOP OF PAD 2" ABOVE FG, AND SLOPE 2% AWAY
 3. TANK PENETRATION AND NUMBER, SIZE, TYPE, AND SPACING OF BOLTS PER TANK MANUFACTURER.

9 TANK DRAIN



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CHECKED:	NSC
DATE:	04-15-26

REVISIONS	DATE

AUSTIN CREEK STATE RECREATION AREA
BULLFROG POND AND POND FARM WATER SYSTEM
STORAGE TANK DETAILS

207907.6

SHEET NO.
C-3
6 OF 25

[illegible]

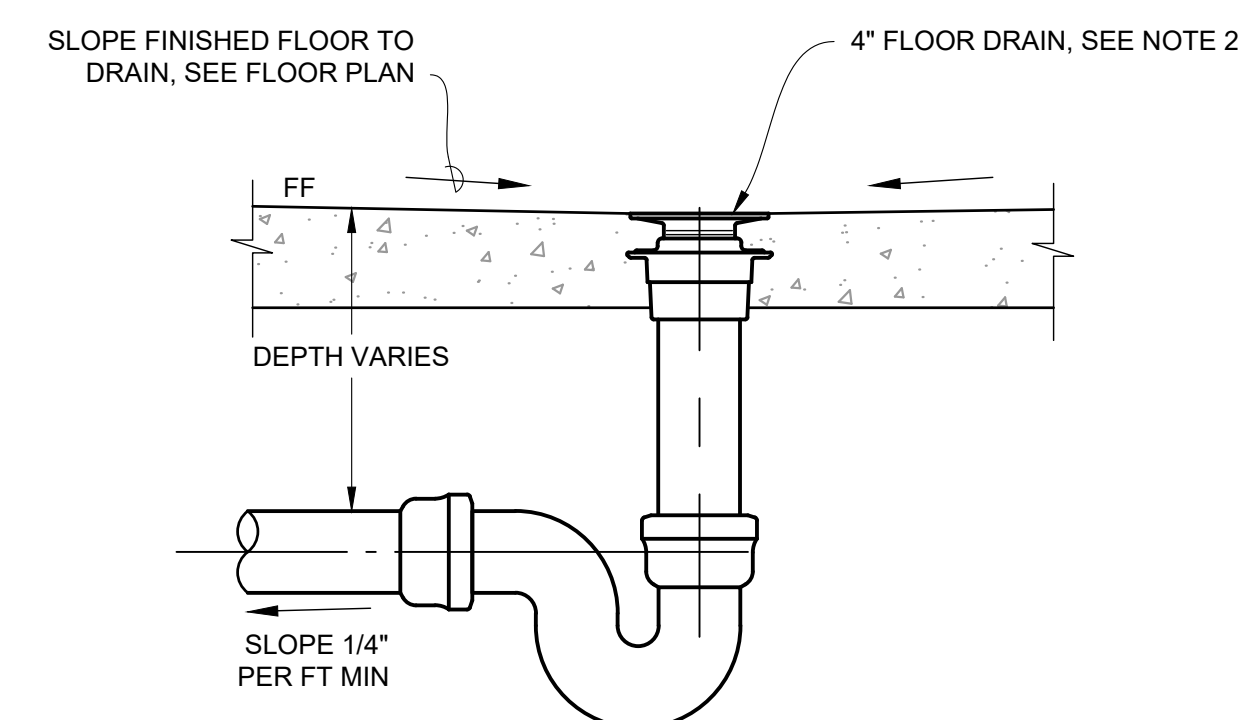
**AUSTIN CREEK STATE RECREATION AREA
BULLFROG POND AND POND FARM WATER SYSTEM
BUILDING FOUNDATION PLAN,
SECTION, AND DETAILS**

207907.7

SHEET NO.

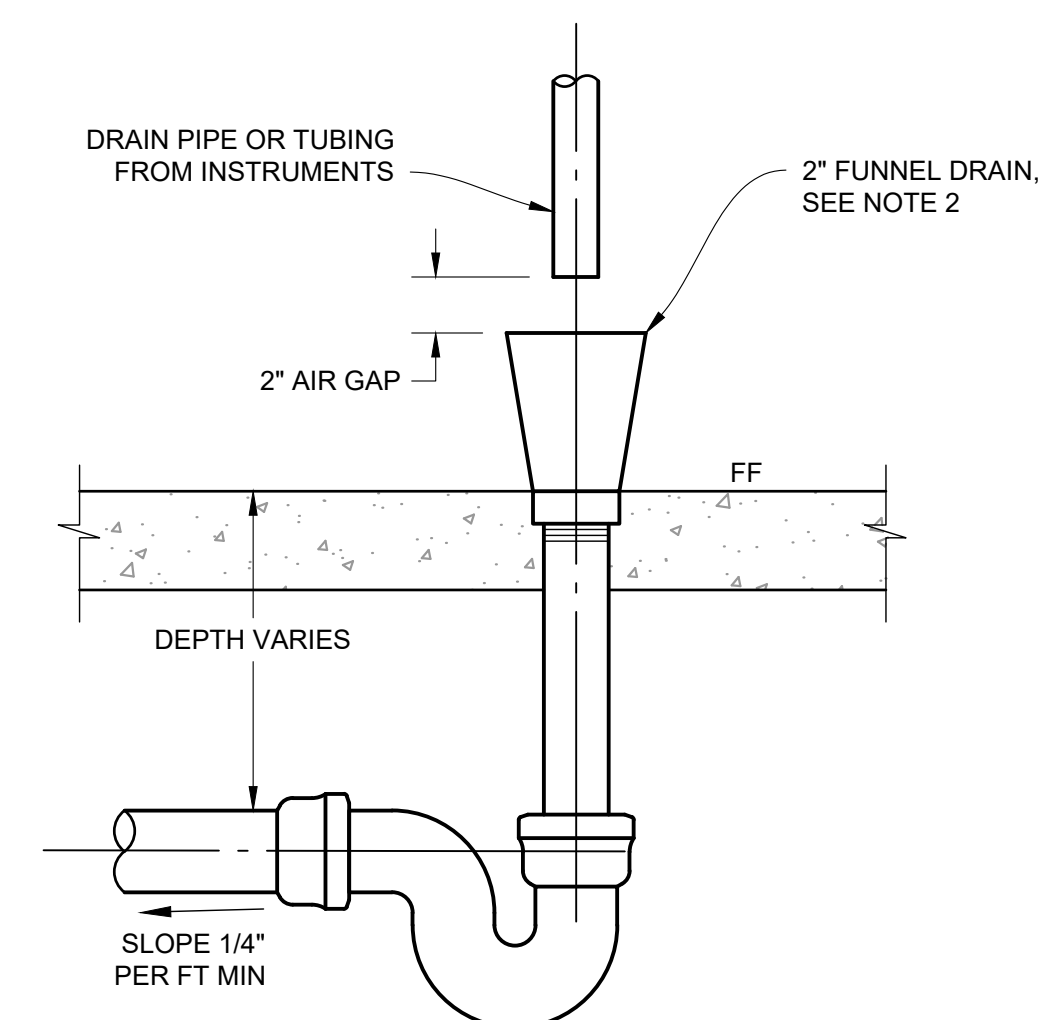
C-4

7 OF 25



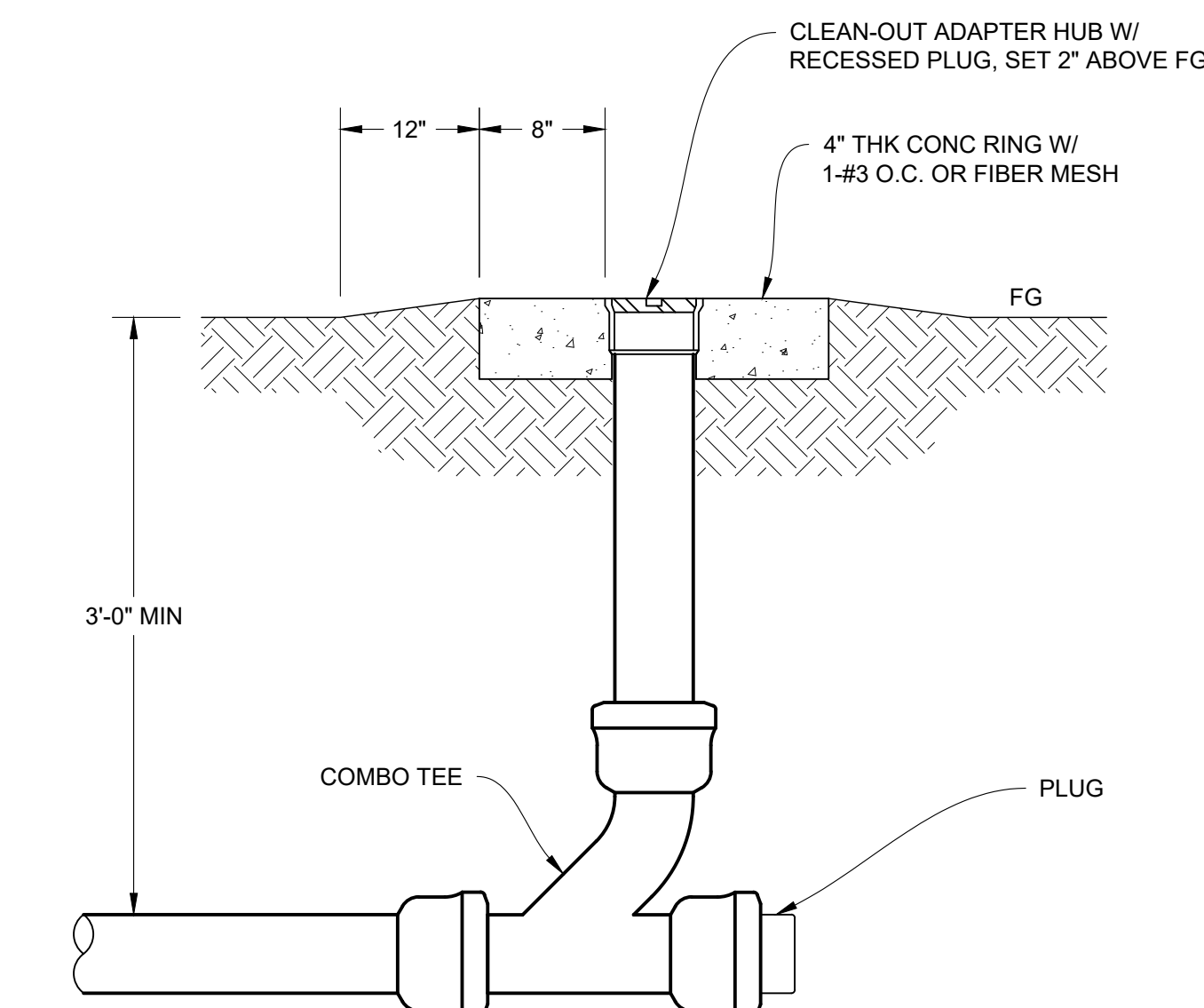
4 FLOOR DRAIN
NTS

- NOTES:
1. COORDINATE BLOCK OUT IN FLOOR WITH PRECAST BUILDING MFR.
 2. PROVIDE BOTTOM OUTLET CAST IRON FD W/ BRONZE STRAINER AND CLAMPING SEEPAGE FLANGE WADE W-1100 OR APPROVED EQUAL.

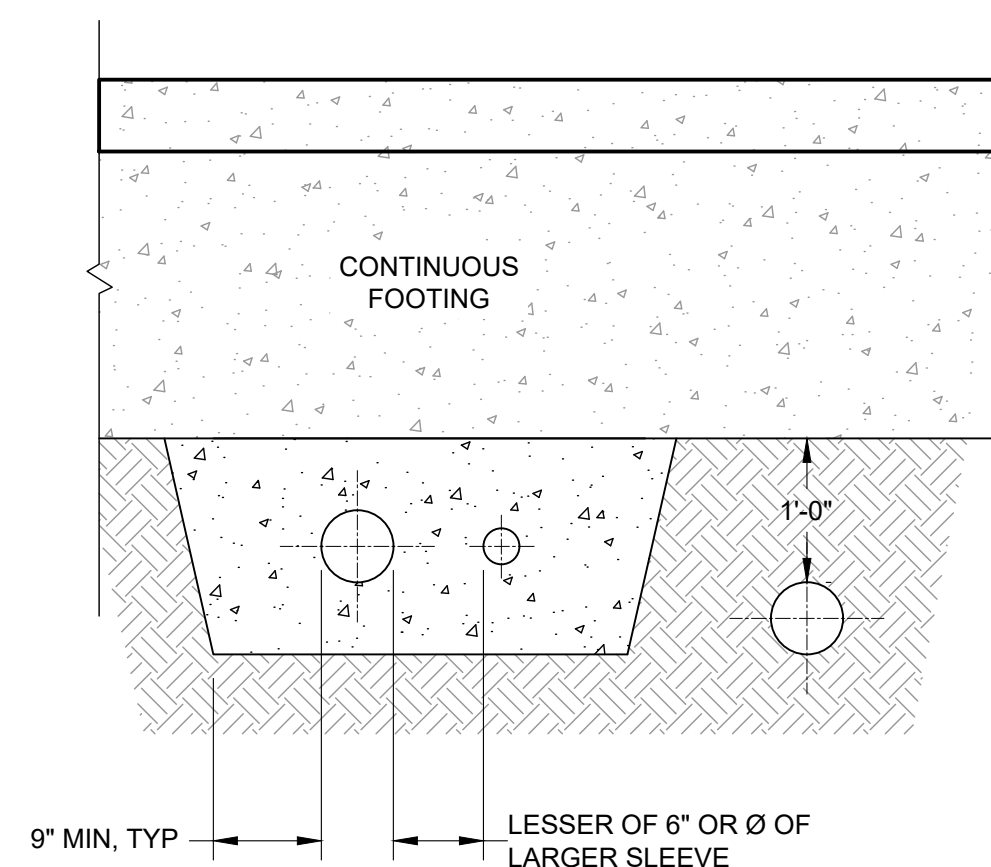


5 FUNNEL DRAIN
NTS

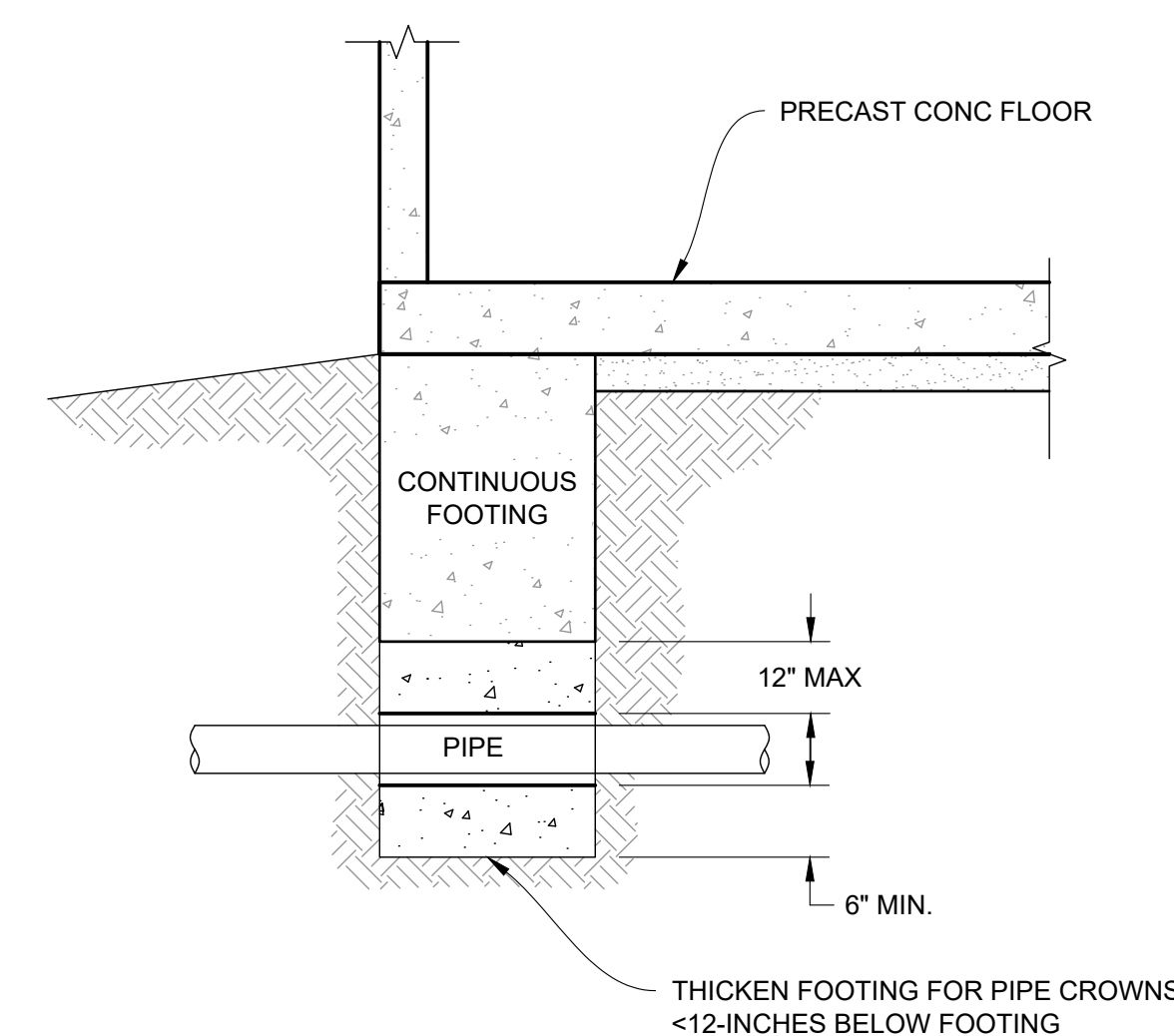
- NOTES:**
1. COORDINATE BLOCK OUT IN FLOOR WITH PRECAST BUILDING MFR.
 2. PROVIDE EPOXY-COATED, CAST IRON FUNNEL DRAIN, ZURN Z-326 OR APPROVED EQUAL.



6 YARD CLEANOUT

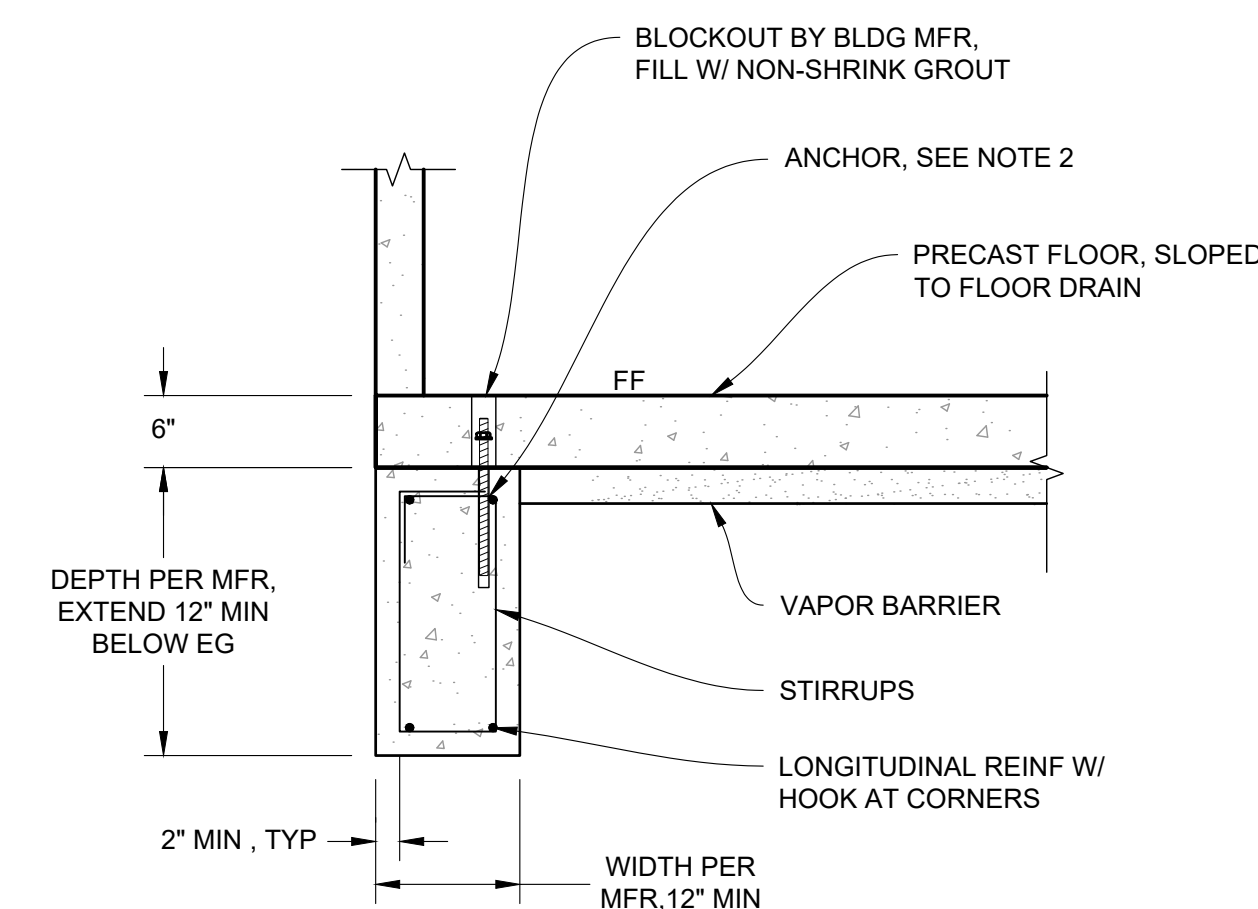


ELEVATION



SECTION

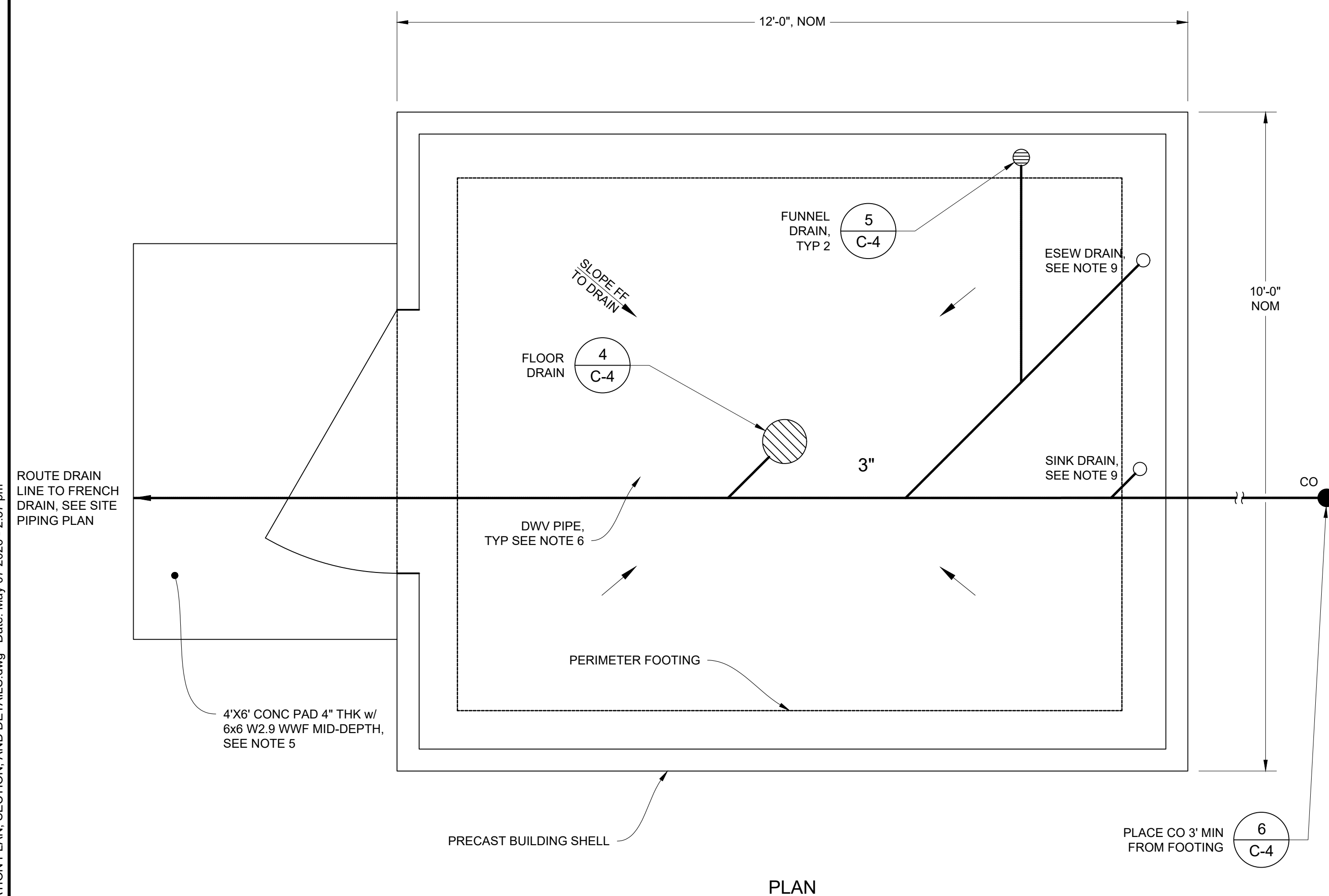
2 FOUNDATION PIPE DETAIL



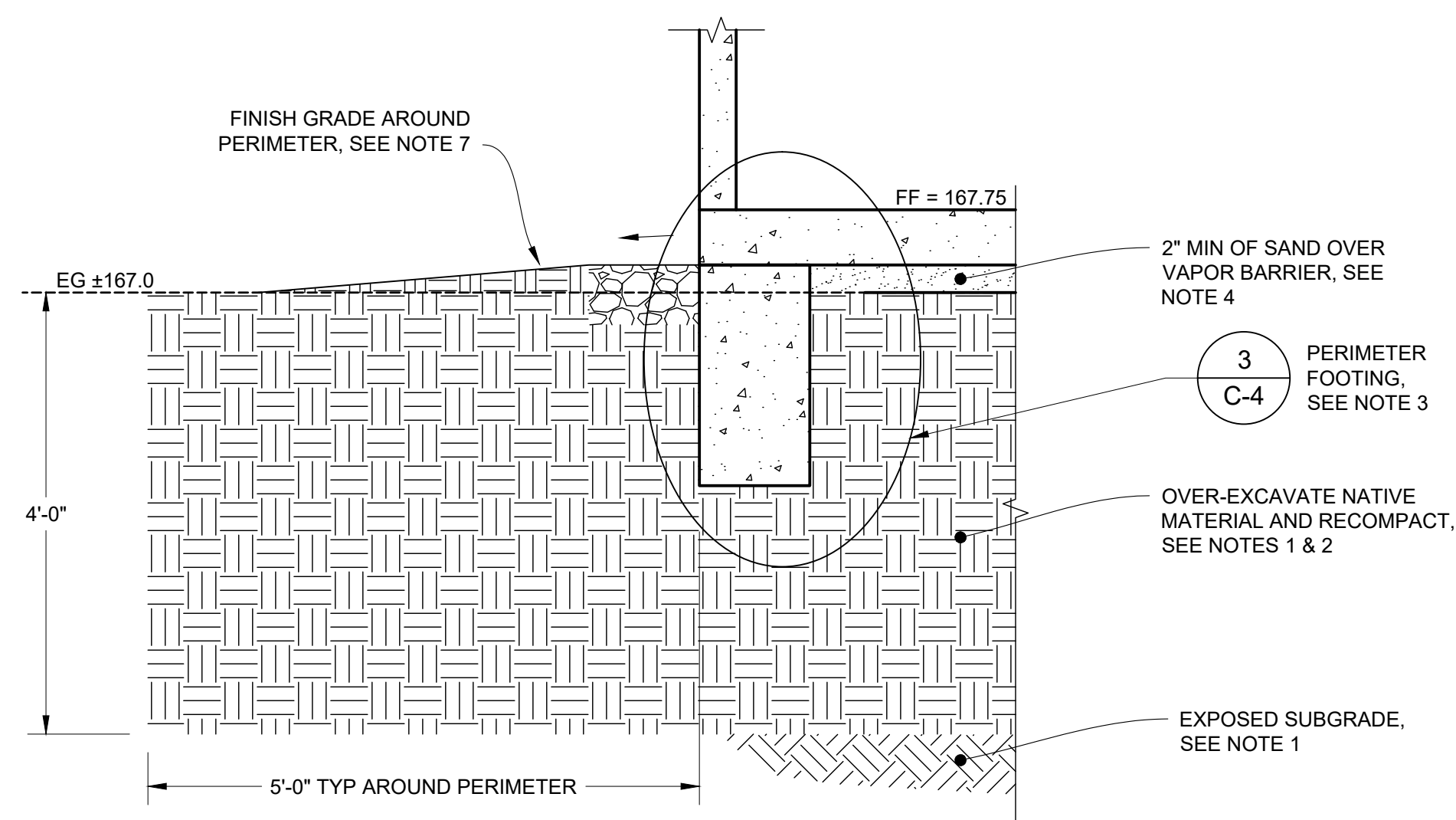
3 FOUNDATION DETAIL

- NOTES:
1. CONTINUOUS FOOTING, DIMENSIONS, AND REINFORCEMENT SHOWN IS ILLUSTRATIVE OF THE STYLE OF FOUNDATION PROPOSED. ACTUAL FOUNDATION TO BE DESIGNED BY BUILDING MANUFACTURER FOR THEIR PRECAST PRODUCT. SEE GEOTECHNICAL REPORT FOR SOIL, SEISMIC, AND OTHER DESIGN PARAMETERS.
 2. COORDINATE TYPE, DIAMETER, DEPTH, AND SPACING OF ANCHORS WITH SELECTED BUILDING MANUFACTURER.

ROUTE DRAIN
LINE TO FRENCH
DRAIN, SEE SITE
PIPING PLAN



PLAN



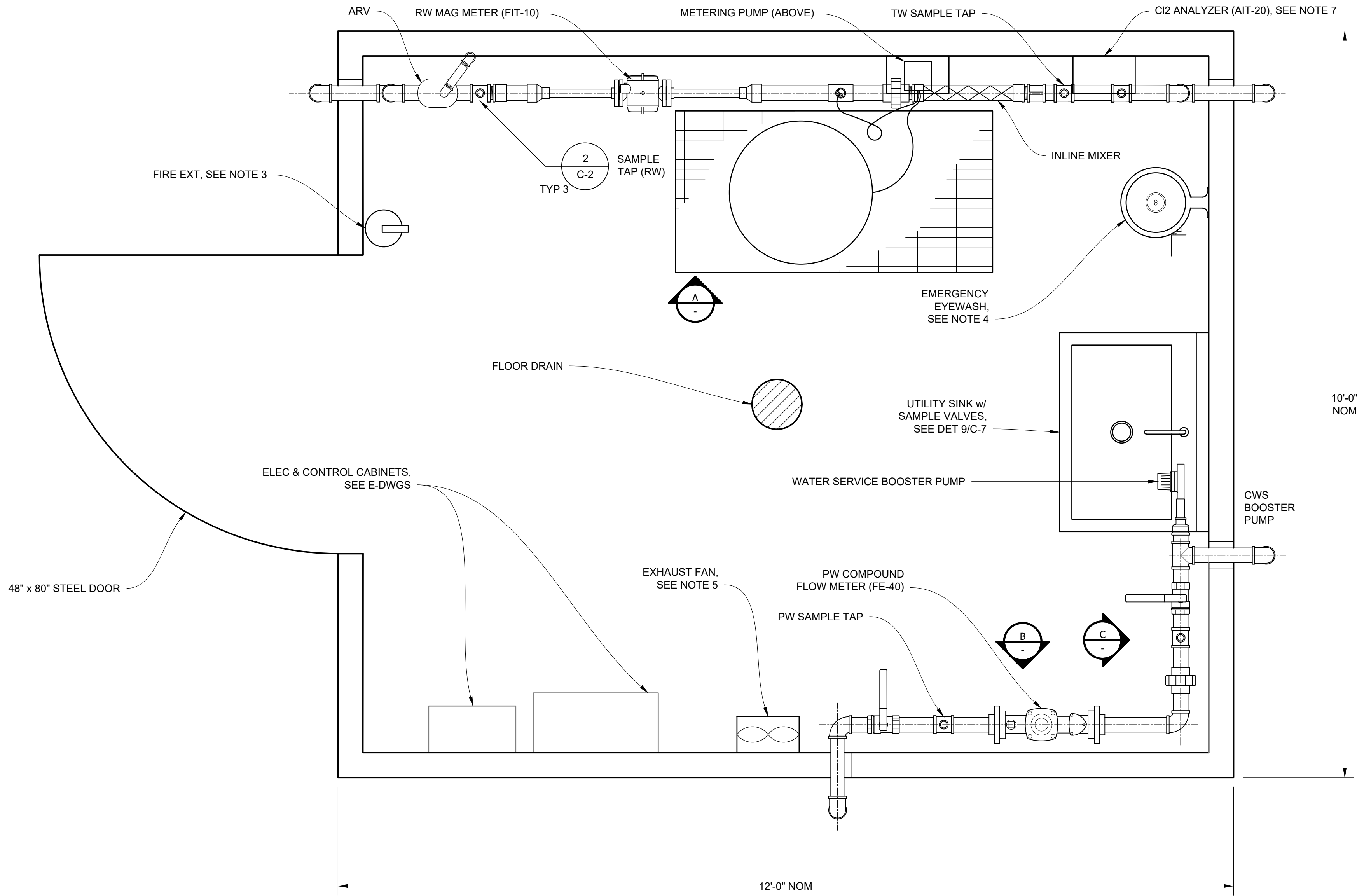
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1 FOUNDATION PLAN
SCALE@24X36 3/4" = 1'-0"

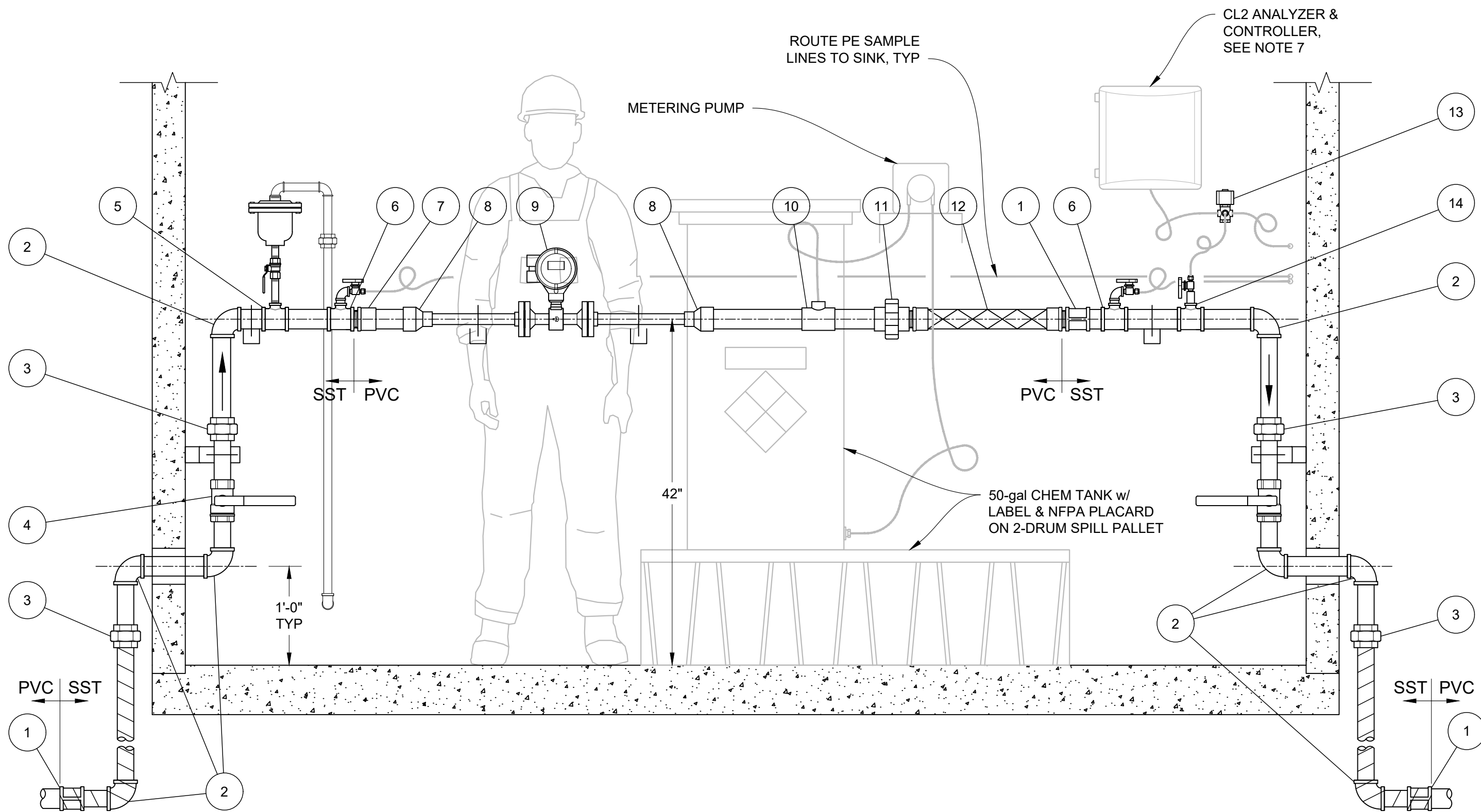
1. PREPARE FOUNDATION BY OVER-EXCAVATING NATIVE SOIL FROM GRAD SURFACE TO 5-FT BEYOND FOUNDATION PERIMETER TO THE DEPTH SHOWN. SCARIFY EXPOSED SUBGRADE TO 6" AND COMPACT TO 90% RELATIVE COMPACTION AT 3" ABOVE OPTIMUM MOISTURE PER ASTM D1557.
2. REMOVE DEBRIS, ORGANIC AND DELETERIOUS MATERIAL, AND ROCKS GREATER THAN 3" FROM EXCAVATED MATERIAL AND PLACE IT BACK IN 6" LIFTS COMPACTING TO 90% RELATIVE COMPACTION AT 3" ABOVE OPTIMUM MOISTURE PER ASTM D1557.
3. SET TOP OF PERIMETER FOOTING 3" ABOVE EXISTING GRADE.
4. PLACE SAND OVER VAPOR BARRIER AND TAMP UNTIL FIRM AND LEVEL WITH TOP OF PERIMETER FOOTING.
5. COMPACT SUBGRADE BENEATH ENTRY PAD TO 90% AND MOISTEN SUBGRADE PRIOR TO PLACING CONCRETE. SET PAD 1/4" BELOW FINISHED FLOOR OF BUILDING AND SLOPE 2% AWAY FROM DOOR. THICKEN OUT 8" OF PAD PERIMETER ON 3 SIDES TO X2 SLAB THICKNESS W/ 2#4 CONT T&B.
6. ASTM D2661, SCH 40 ABS DWV PIPE WITH SOLVENT WELD JOINTS.
7. PLACE NATIVE MATERIAL AND SWALE 3' AWAY FROM BUILDING TO EG.
8. SEE GEOTECHNICAL REPORT FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
9. COORDINATE SIZE AND PLACEMENT WITH TAIL PIPE.

SCALE: $\frac{3}{4}" = 1'-0"$ (IN FEET)

File: C:\Users\kenneth.henderson\OneDrive - California State Parks\Desktop\CSP Projects Local\Austin Creek Water\05_Drawings\Civil\C-5 BUILDING FLOOR PLAN AND PIPE ELEVATIONS.dwg Date: May 07 2026 - 2:57 pm



FLOOR PLAN
SCALE: 1" = 1' - 0"



A CHLORINE STORAGE AND FEED SYSTEM
SCALE: 1" = 1'-0"

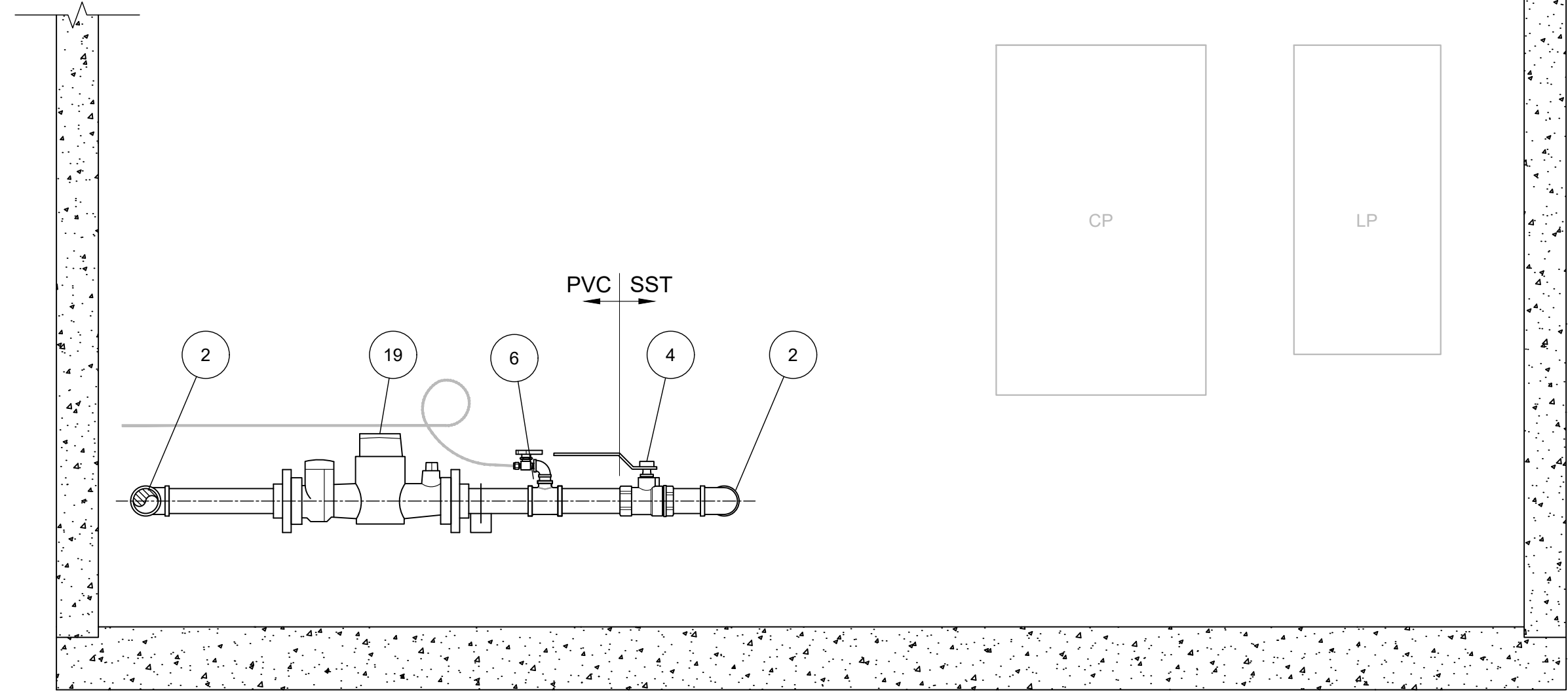
C PW CHLORINE RESIDUAL MONITOR
SCALE: 1" = 1'-0"

NOTES

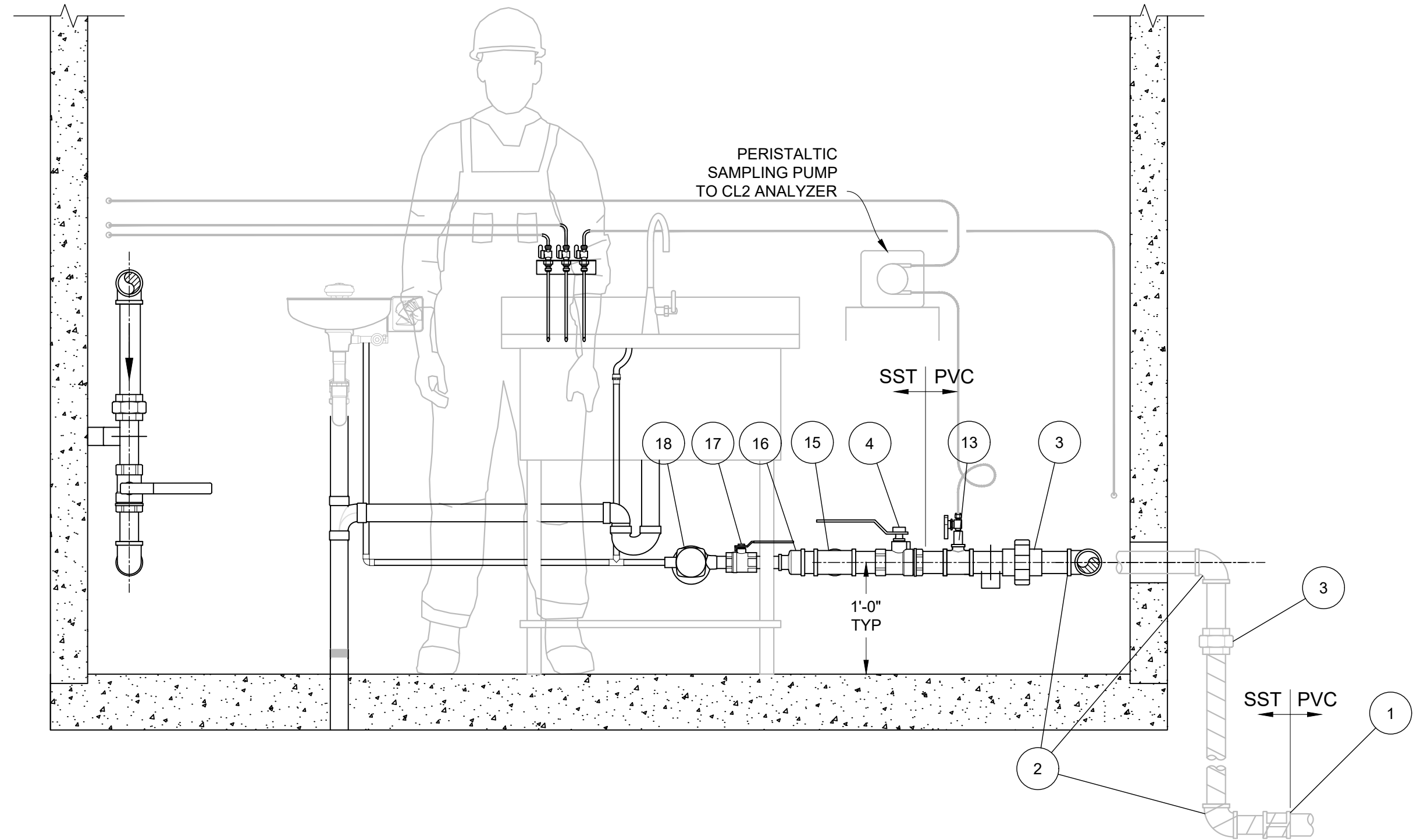
- COORDINATE THE TYPE, DEPTH, AND SIZE OF ALL ANCHORS WITH SELECTED PRE-CAST BUILDING MFR.
- COORDINATED LOCATION OF WALL PENETRATIONS AND BLOCK OUTS IN THE FLOOR WITH BUILDING MANUFACTURER.
- WALL-MOUNT FIRE EXTINGUISHER w/ SST 316 HARDWARE. SET 54" ABOVE FF TO TOP OF EXTINGUISHER.
- WALL-MOUNT EYEWASH STATION w/ SST 316 HARDWARE. SET UNIT w/ SPRAY HEADS BETWEEN 42" AND 53" ABOVE THE FLOOR.
- 10' EXHAUST FAN. MOUNT FAN FLANGE TO WALL WITH SST 316 HARDWARE. LOCATE BOTTOM OF FAN FRAME 6" FROM FF. COORDINATE LOCATION AND ANCHORAGE WITH BUILDING MFR.
- MOUNT SHELF TO WALL w/ SST HARDWARE.
- CL2 ANALYZER TO WALL WITH SST HARDWARE. ROUTE DRAIN TUBE TO FUNNEL DRAIN.
- SEE ELECTRICAL PLANS FOR SIZE AND LOCATION OF CONDUIT PENETRATIONS.
- FOR CLARITY NOT ALL PIPE SUPPORTS ARE SHOWN. PROVIDE SUPPORTS AT 4-FT MAX SPACING AND ADDITIONALLY WHERE NEEDED TO SUPPORT EQUIPMENT AND TO PREVENT THE PIPE FROM SAGGING.
- ALL HARDWARE AND FASTENERS TO BE STAINLESS-STEEL.

KEY NOTES

- 2" SST COUPLING
- 2" SST ELBOW
- 2" SST UNION
- 2" SST BALL VALVE
- 2" SST RED TEE, COORD BRANCH SIZE w/ AIR VALVE
- 2" SST RED TEE w/ NIPPLE, ELBOW, & 1/4" SST MPTxC INSTRUMENTATION BALL VALVE
- 2" PVC THRDxSLIP ADAPTER
- 2x1 PVC ECC REDUCER, BUSHING NOT ALLOWED
- 1" MAGNETIC FLOW METER
- 2" PVC RED TEE, COORDINATE BRANCH SIZE w/ TUBE FITTINGS
- 2" PVC UNION
- 2" PVC INLINE STATIC MIXER
- 3-WAY SAMPLE SOLENOID VALVE
- 2" SST RED TEE w/ 1/4" SST MPTxC INSTRUMENTATION BALL VALVE
- 2" SST TEE
- 2" SST REDUCER, COORDINATE REDUCTION SIZE w/ SELECTED BOOSTER PUMP
- 2" SST BALL VALVE, COORDINATE SIZE w/ SELECTED BOOSTER PUMP
- BOOSTER PUMP
- 2" COMPOUND FLOW METER



B PW FLOW METER AND SAMPLE TAP
SCALE: 1" = 1'-0"



SCALE: 1"=1'-0" (IN FEET)
0 1/2 1' 2'

PROJECT MILESTONE: 100%



FACILITIES AND
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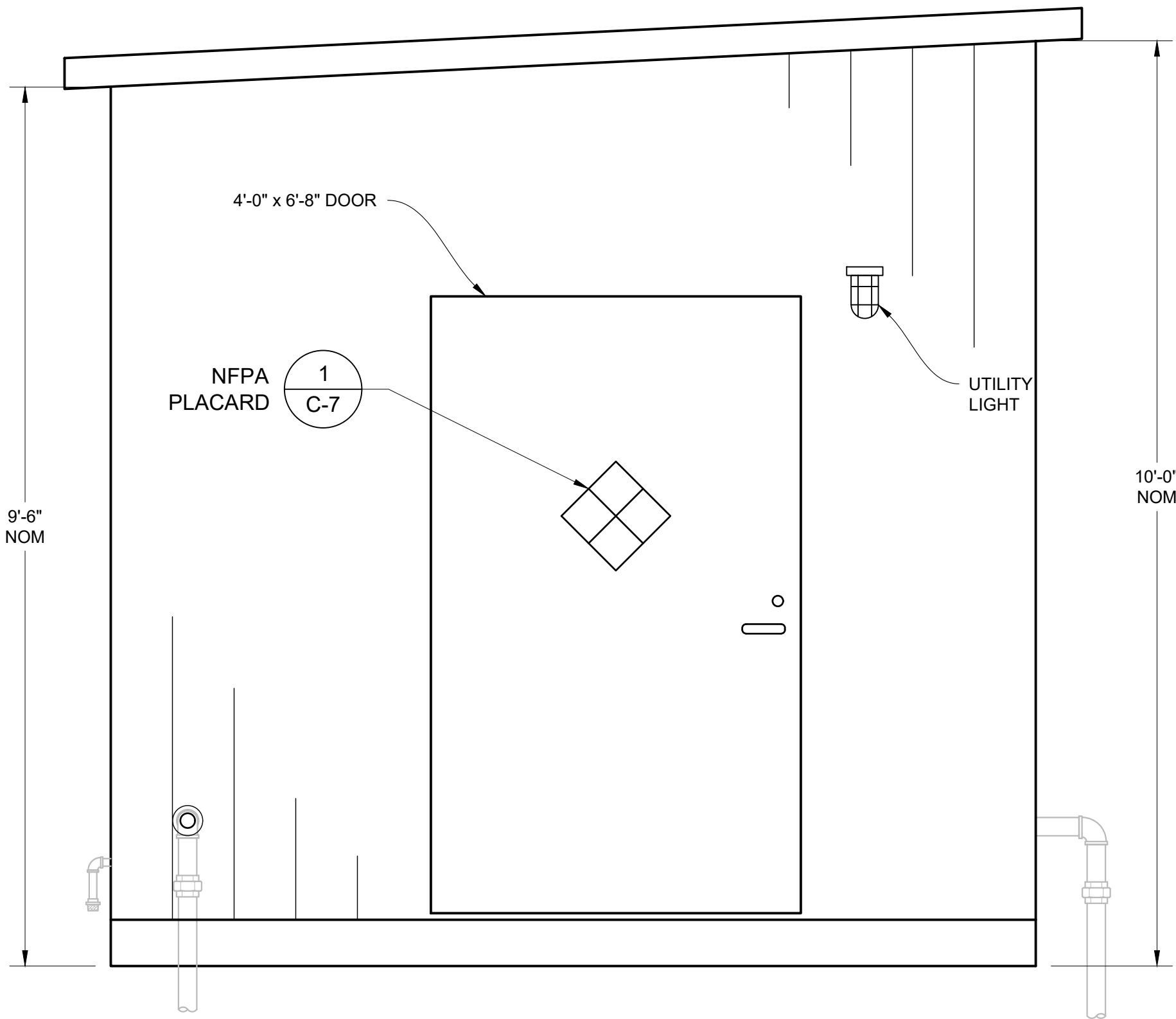
AUSTIN CREEK STATE RECREATION AREA
BULLFROG POND AND POND FARM WATER SYSTEM
BUILDING FLOOR PLAN & PIPE
ELEVATIONS

207907.8

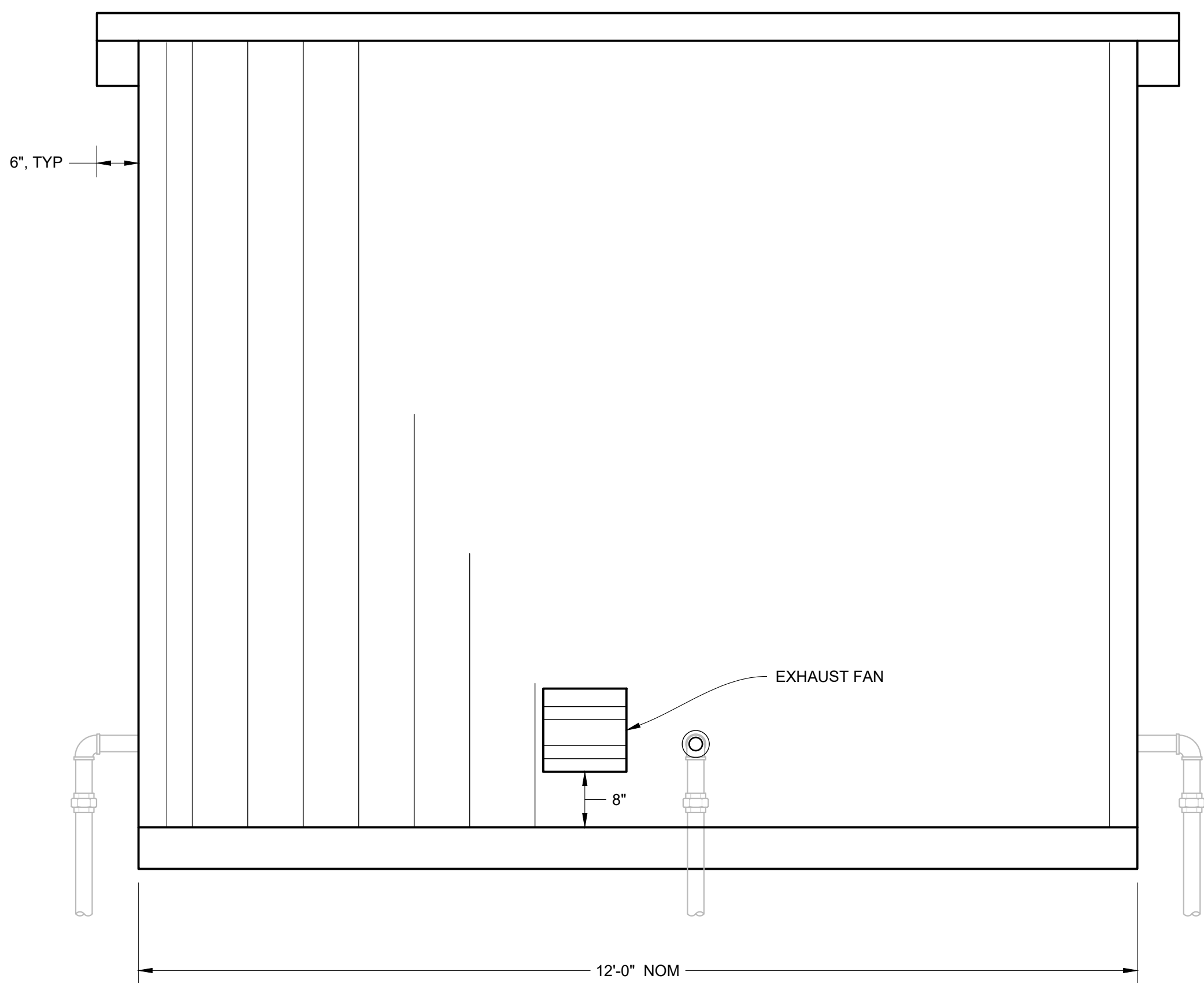
SHEET NO.

C-5
8 OF 25

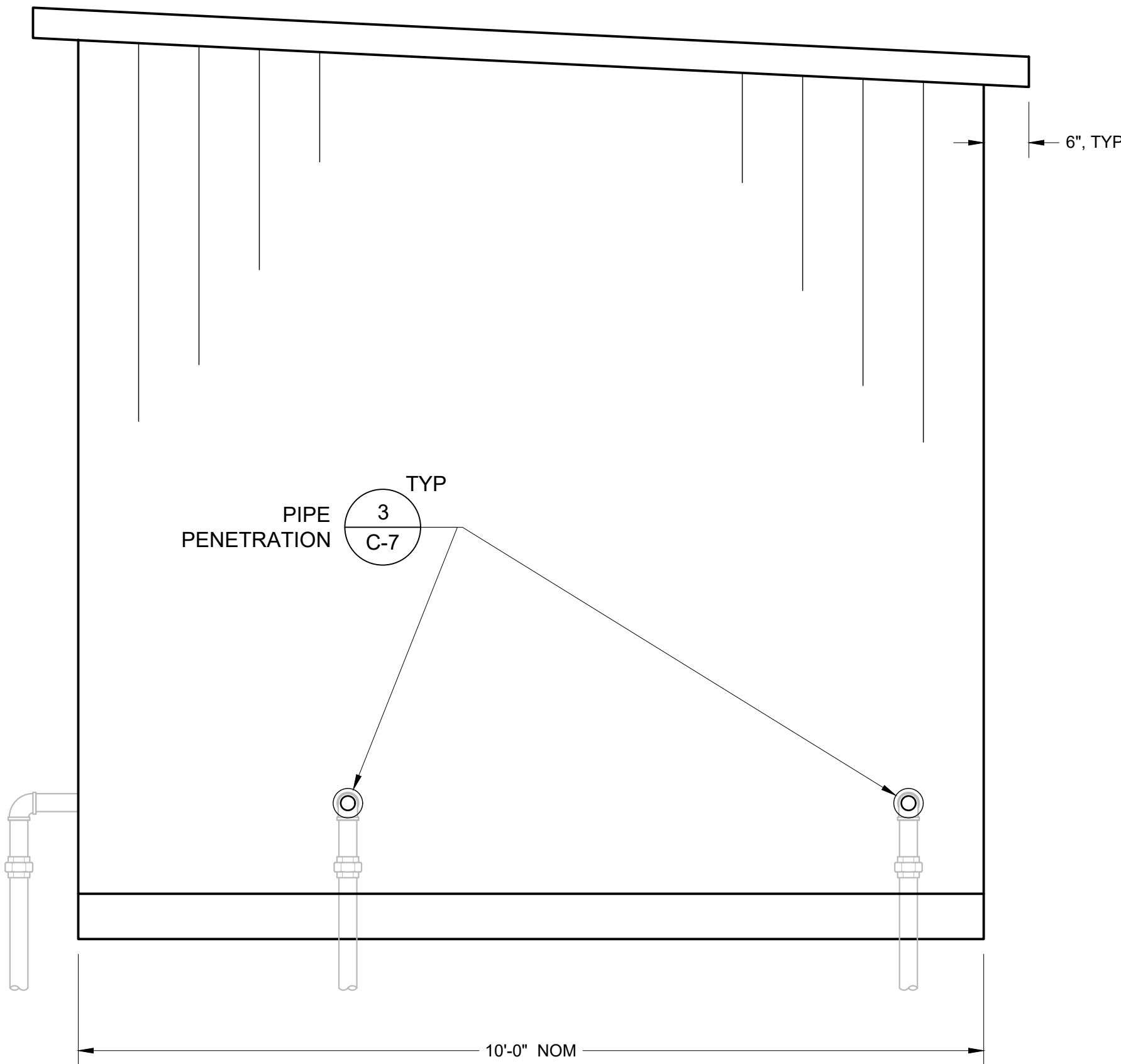
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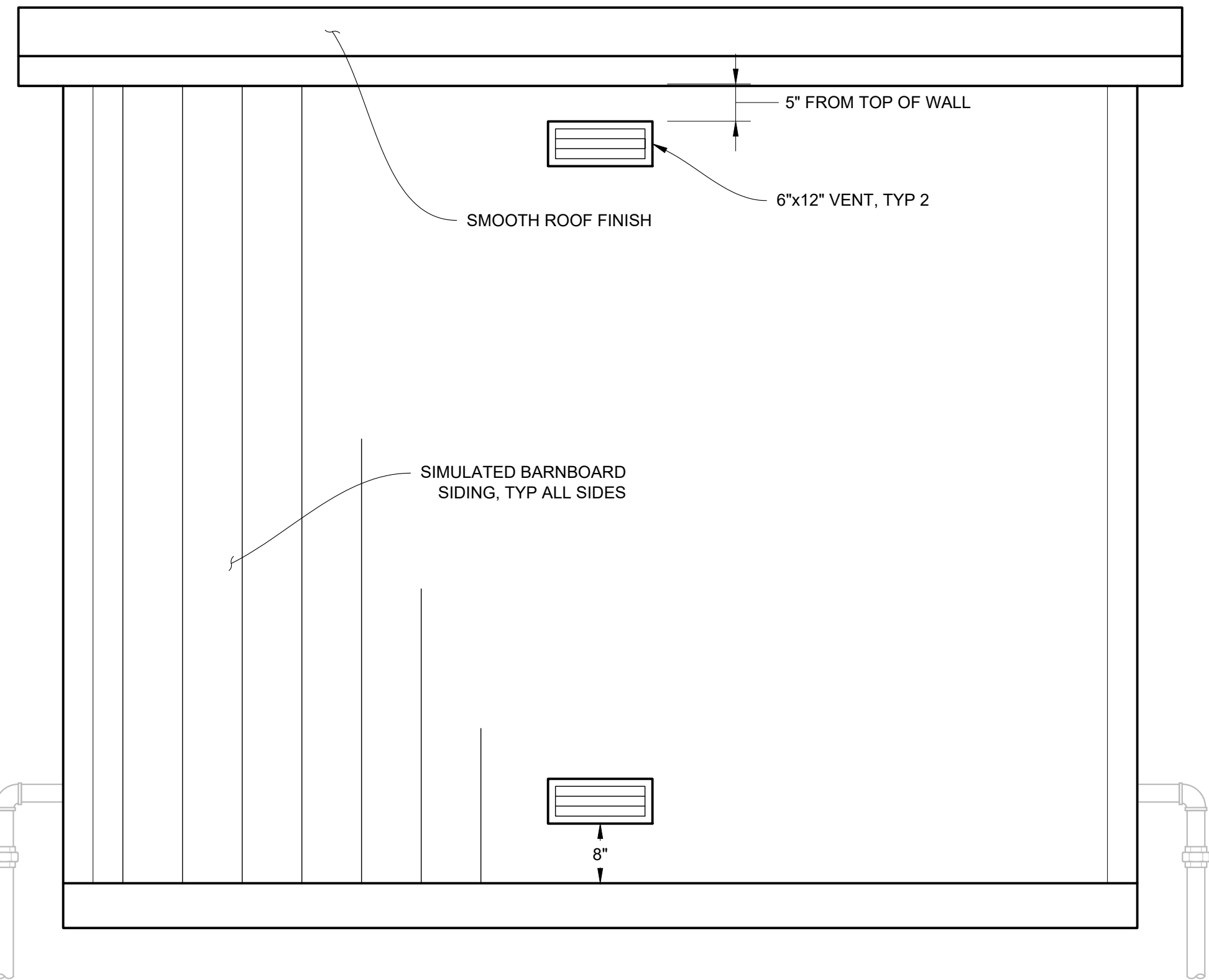
NORTHEAST ELEVATION
SCALE: 3/4" = 1'-0"



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



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



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

NOTES:

- BUILDING DIMENSIONS AND WALL THICKNESS VARY BY MANUFACTURER. COORDINATE DIMENSIONS OF PERIMETER FOOTING AND THE LOCATION OF OPENINGS, BLOCK-OUTS, AND PENETRATIONS WITH SELECTED MANUFACTURER.
- PENETRATION FOR ELECTRICAL CONDUIT NOT SHOWN. SEE ELECTRICAL SITE AND FLOOR PLANS.
- SEE SECTION 133420 FOR DOOR HARDWARE AND FOR INTERIOR AND EXTERIOR COATINGS.

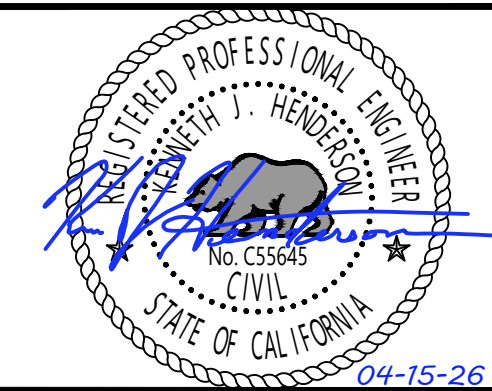


FACILITIES AND
DEVELOPMENT DIVISION

OFFICE OF THE STATE FIRE MARSHAL
APPROVED FIRE AND PANIC ONLY



Approval of this plan does not authorize or
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to field inspection. One set of approved plans
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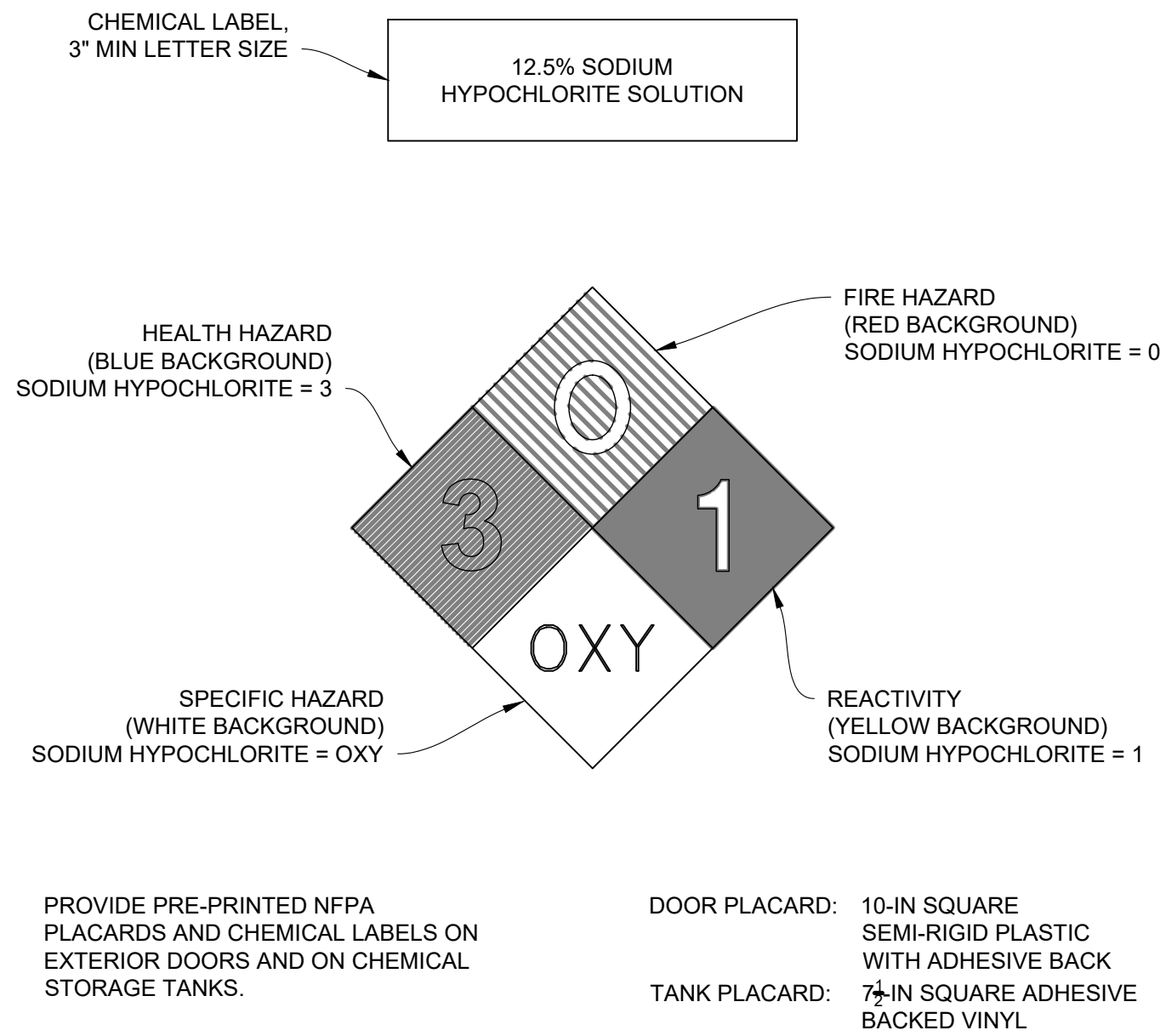
AUSTIN CREEK STATE RECREATION AREA
BULLFROG POND AND POND FARM WATER SYSTEM
BUILDING ELEVATIONS

207907.9

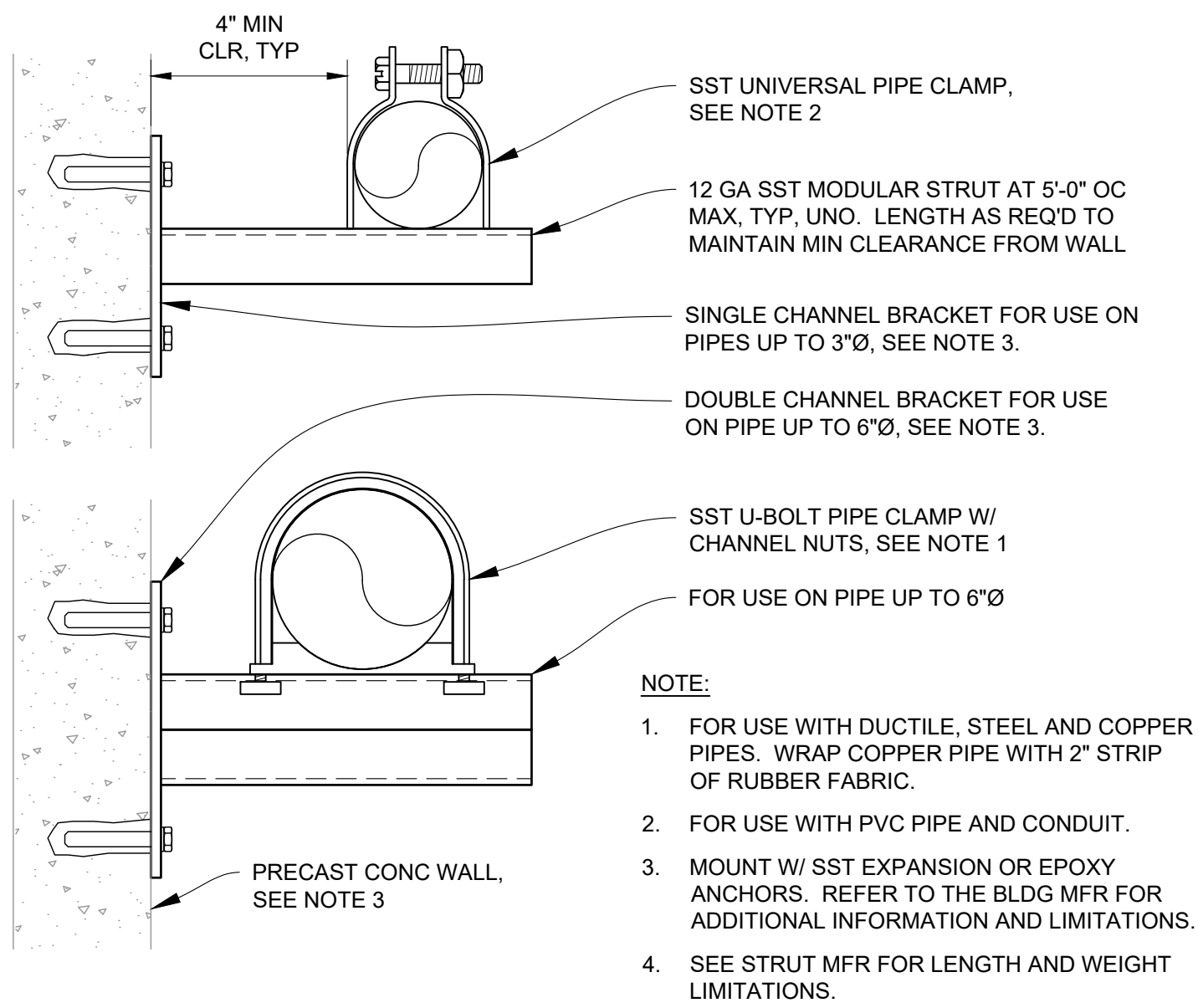
SHEET NO.

C-6
9 OF 25

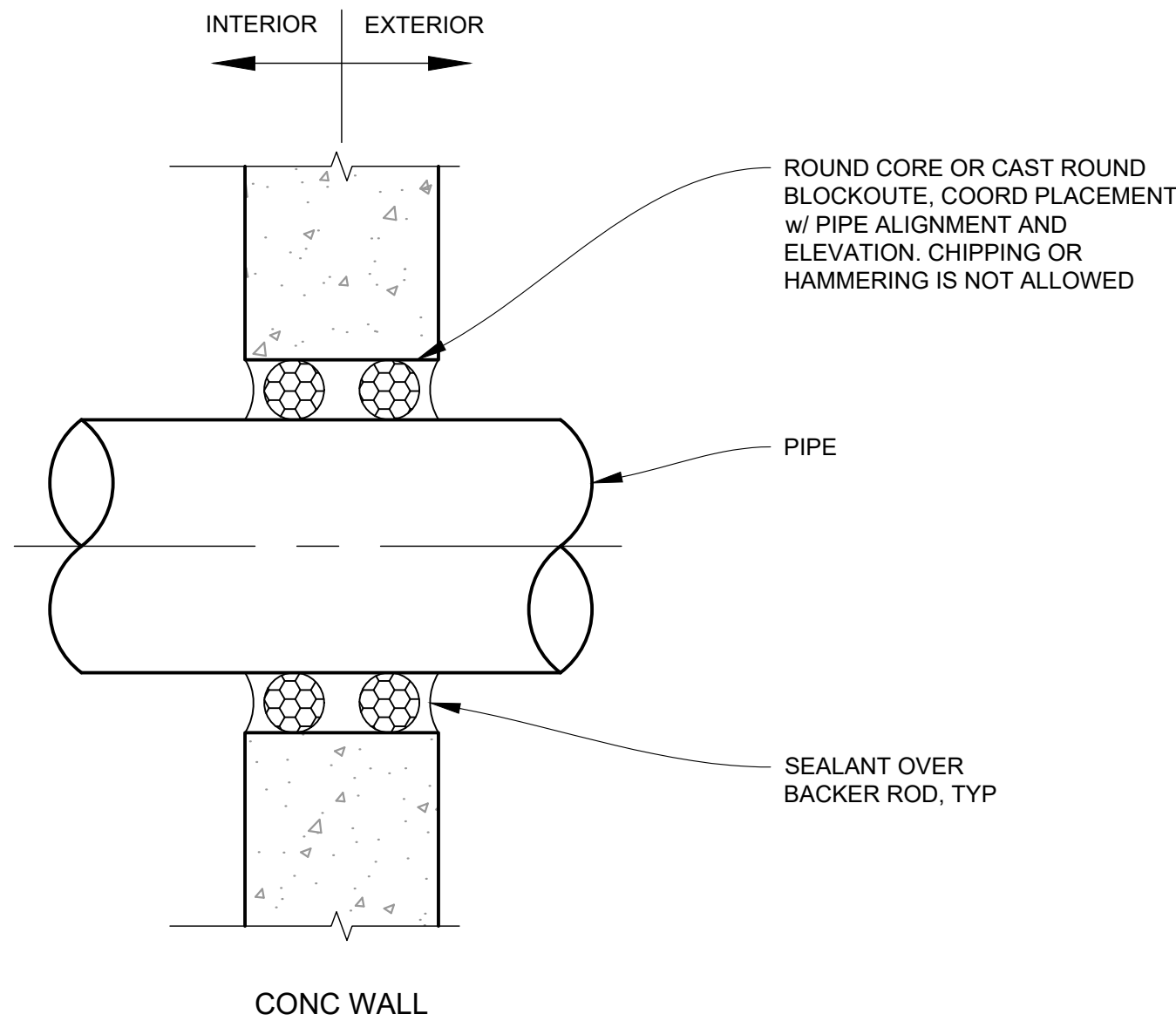
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0 16' 32' 64'



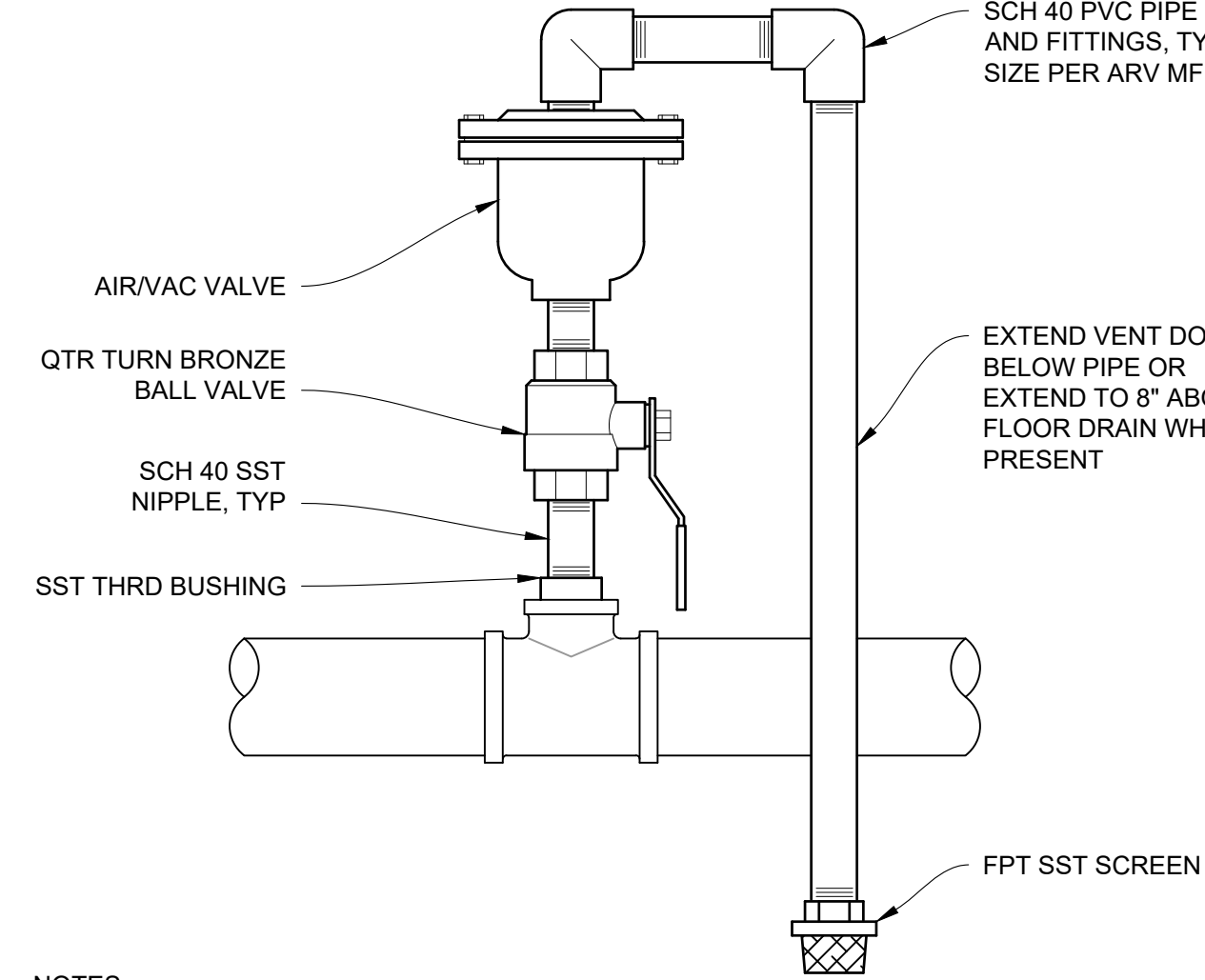
1 NFPA PLACARD
NTS



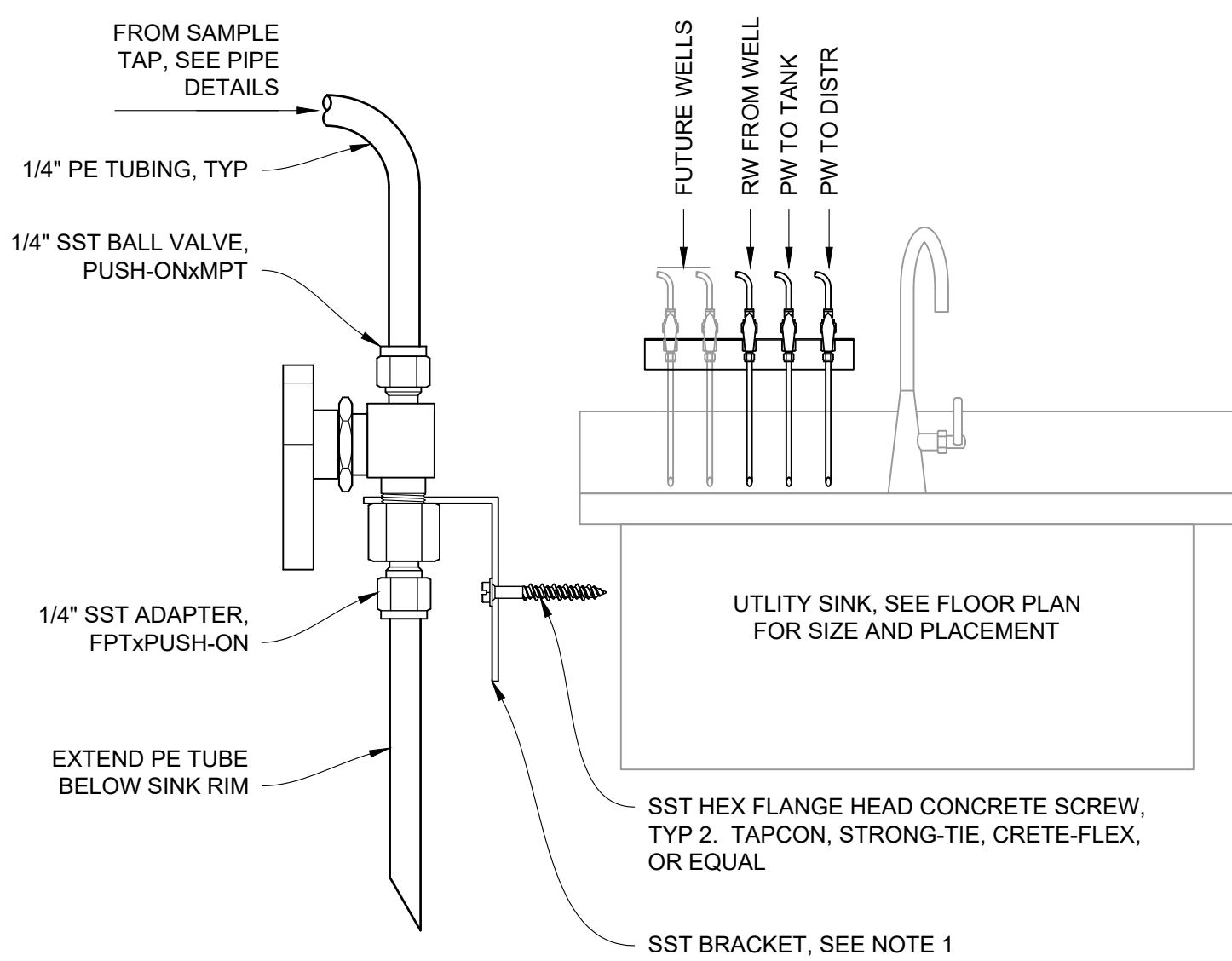
2 MODULAR STRUT PIPE SUPPORT
NTS



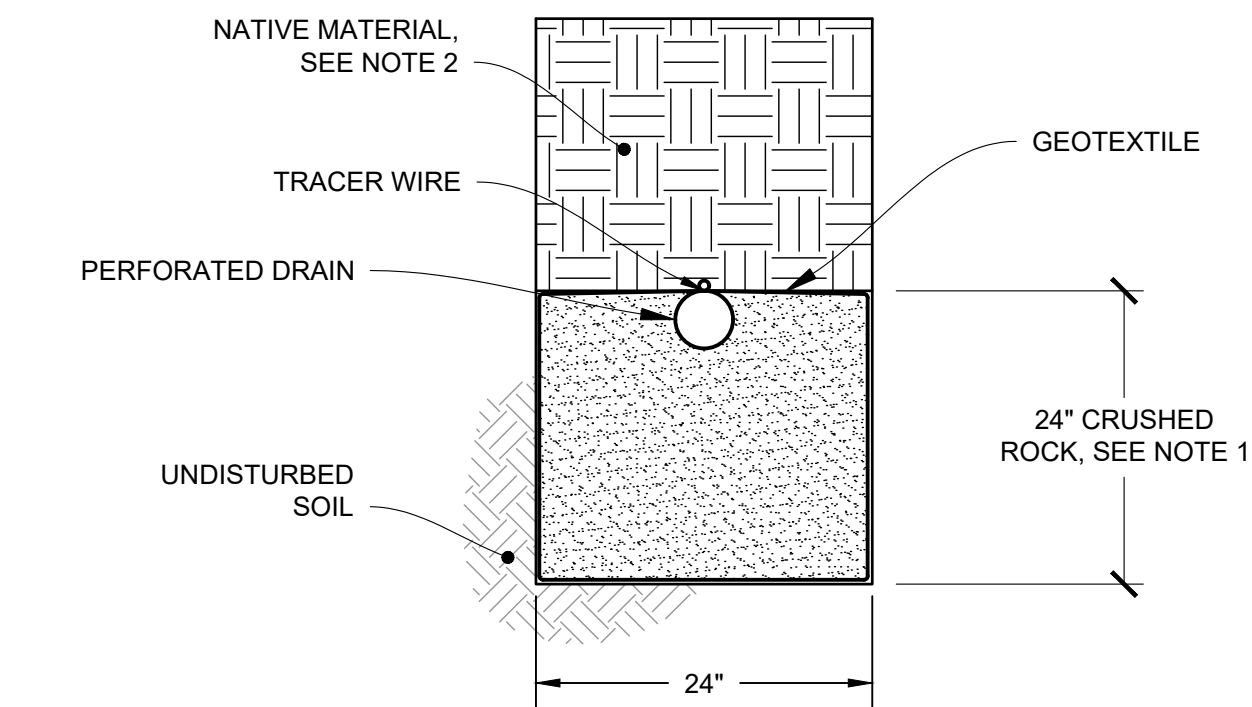
3 PIPE PENETRATION
NTS



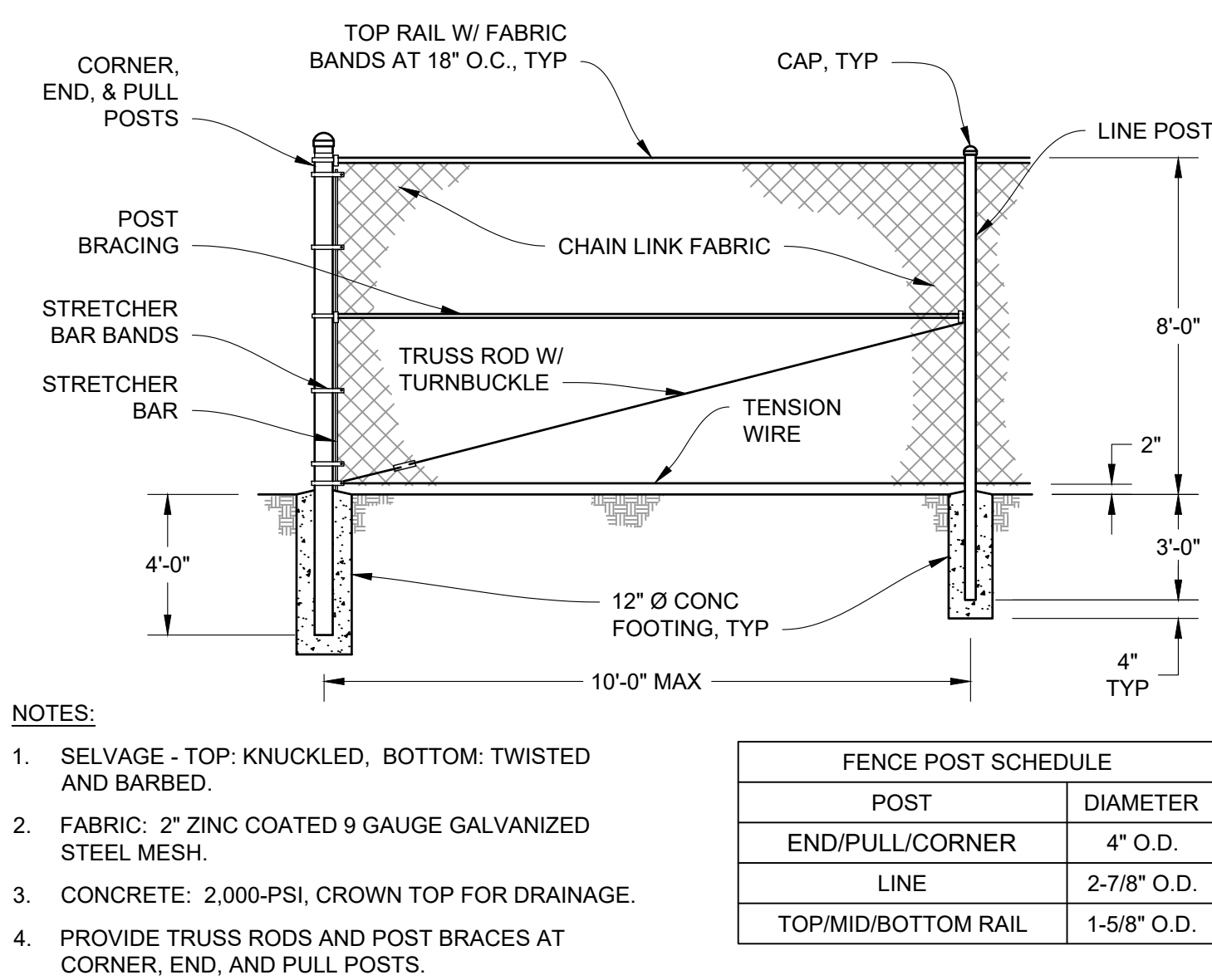
4 AIR-VAC VALVE
NTS



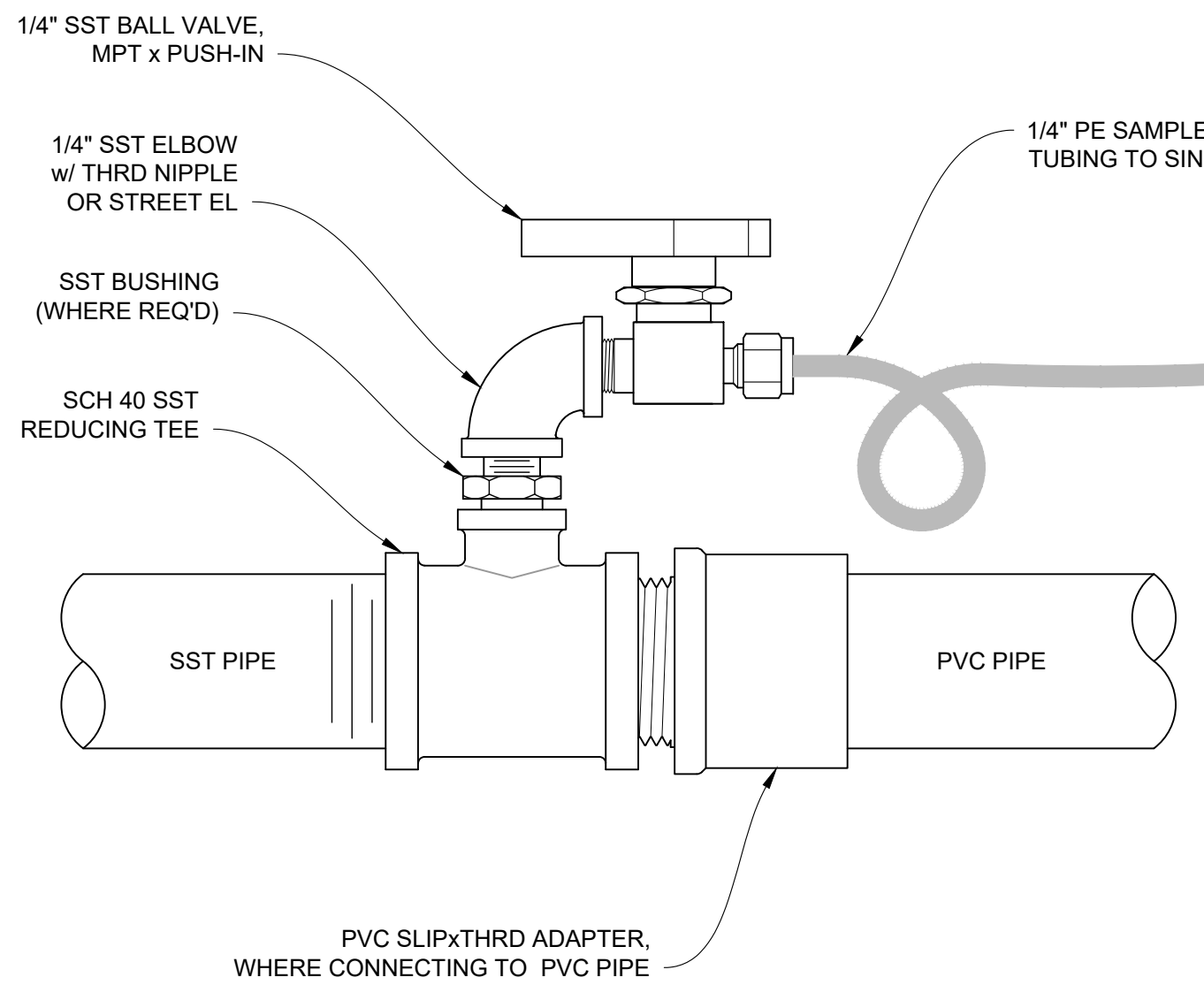
5 SAMPLE SINK DETAIL
NTS



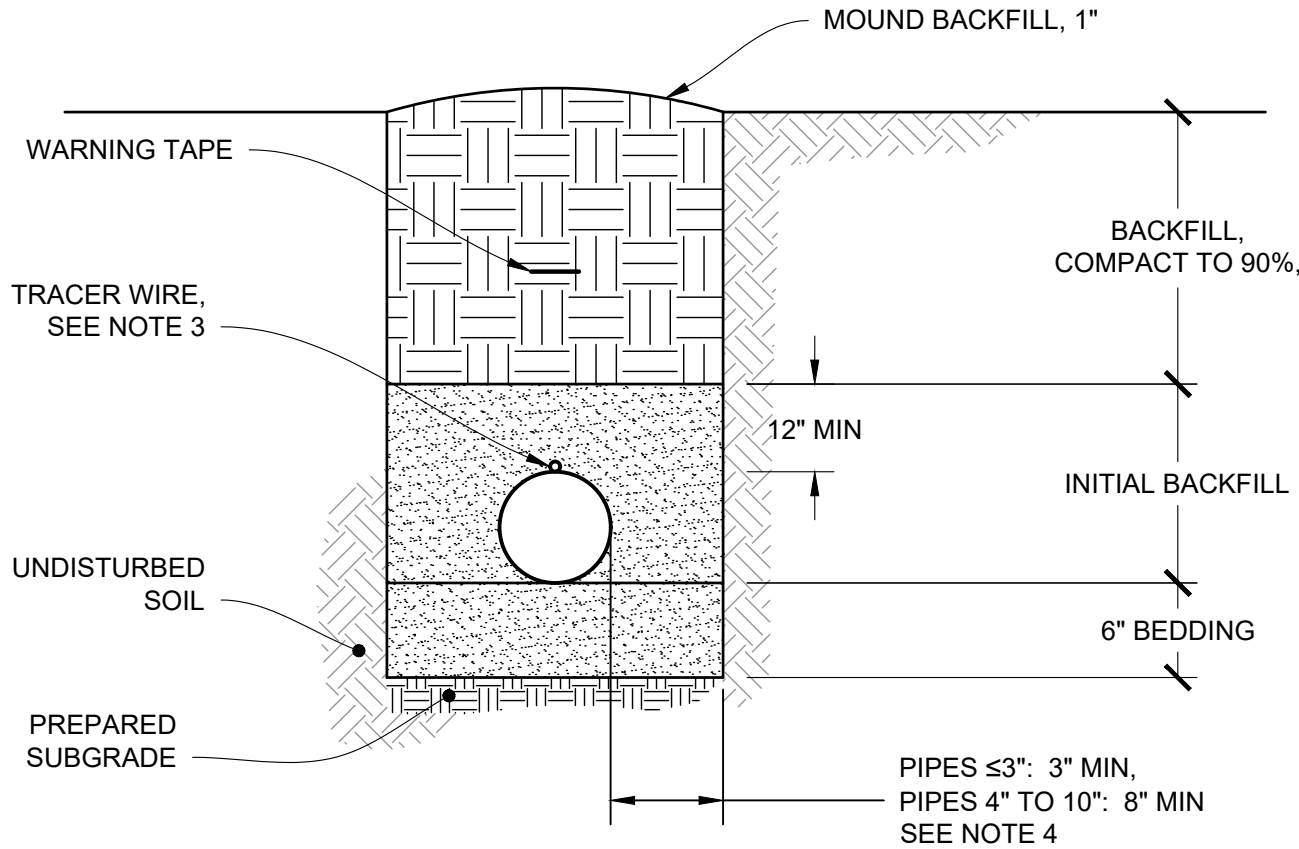
6 INFILTRATION TRENCH
NTS



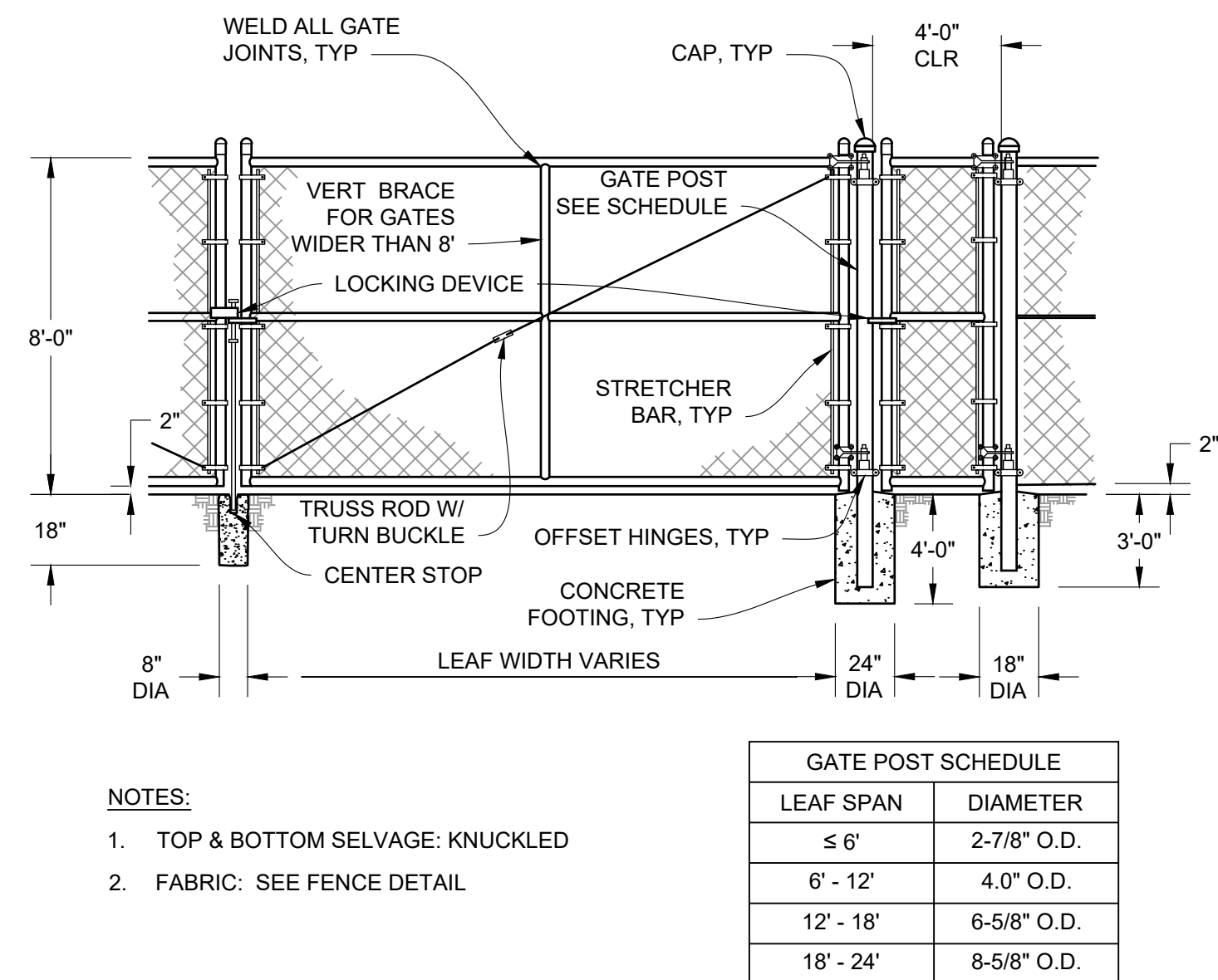
7 8-FT FENCE
NTS



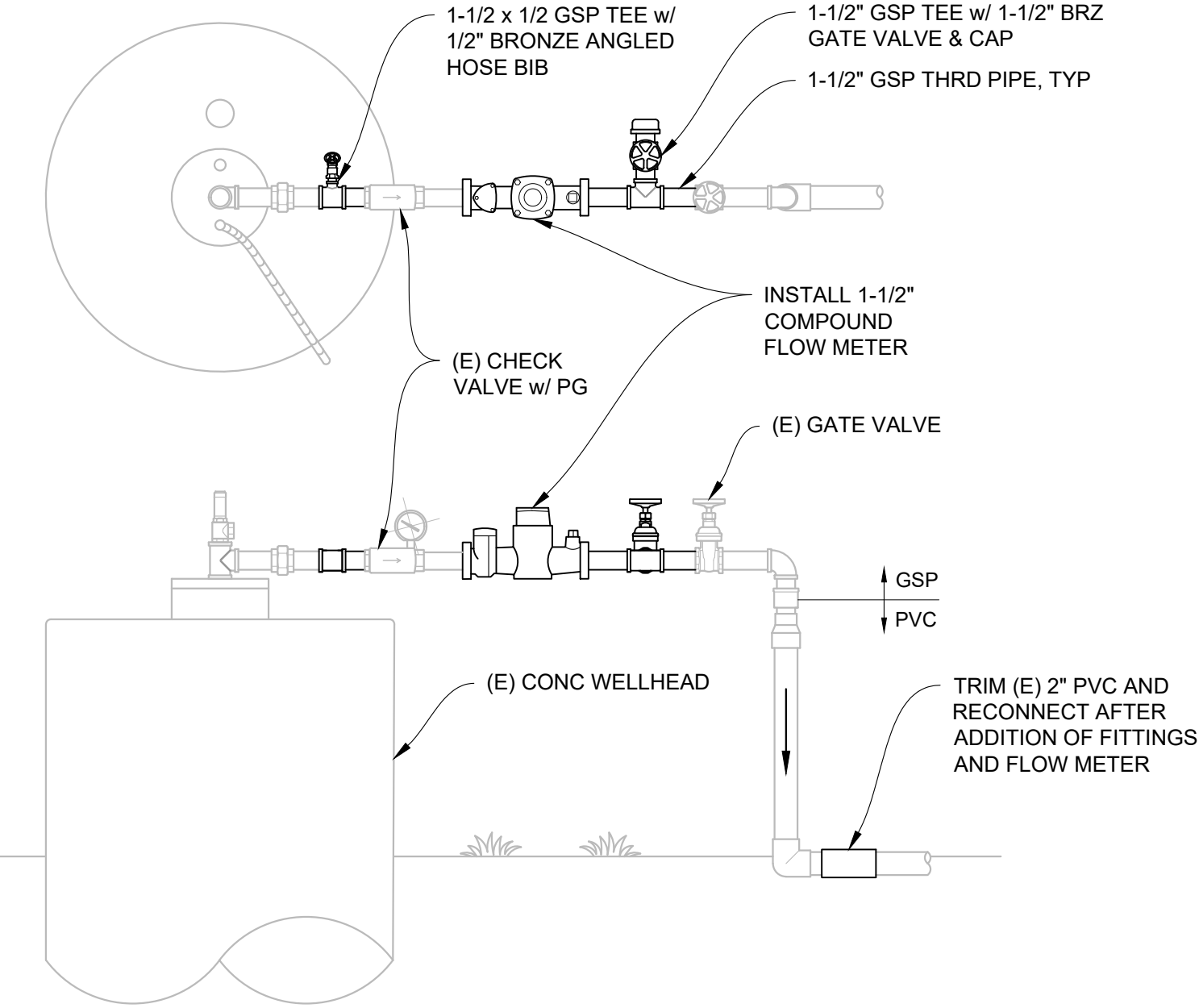
8 SAMPLE TAP
NTS



9 TRENCH DETAIL
NTS



10 8-FT GATE
NTS



11 WELLHEAD PIPING DETAIL
NTS



FACILITIES AND
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AUSTIN CREEK STATE RECREATION AREA
BULLFROG POND AND POND FARM WATER SYSTEM

STANDARD DETAILS

207907.10

SHEET NO.

C-7

10 OF 25

POWER SYMBOLS

	MOTOR OUTLET
	FUSED DISCONNECT SWITCH SWITCH XX/XX/XX = AMP SWITCH/POLES/AMP FUSE
	HEAVY DUTY NON-FUSED DISCONNECT SWITCH SWITCH XX/XX = AMP SWITCH/POLES
	MOTOR STARTER
	COMBINATION MOTOR STARTER
	TRANSFORMER
	TRANSFORMER
	METER
	STATIONARY CIRCUIT BREAKER; RATING AS SHOWN ON PLANS
	SWITCH AND FUSE; RATING AS SHOWN ON PLANS
	NORMALLY OPEN CONTACT
	NORMALLY CLOSED CONTACT
	GROUND ROD IN GROUND WELL
	JUNCTION BOX
	MANUAL TRANSFER SWITCH
	GENERATOR
	CONTROL PANEL FURNISHED WITH EQUIPMENT
	240V/208V/120V SURFACE MOUNTED PANELBOARD OR TERMINAL CABINET
	240V/208V/120V FLUSH MOUNTED PANELBOARD OR TERMINAL CABINET
	480V/277V SURFACE MOUNTED PANELBOARD OR TERMINAL CABINET
	480V/277V FLUSH MOUNTED PANELBOARD OR TERMINAL CABINET
	WALL MOUNTED GROUND BAR

WIRING DEVICE SYMBOLS

	120V, DUPLEX RECEPTACLE OUTLET
	120V, DUPLEX RECEPTACLE OUTLET; MOUNTED ABOVE COUNTER; FIELD VERIFY HEIGHT
	120V, GFCI TYPE DUPLEX RECEPTACLE OUTLET
	120V, GFCI TYPE DUPLEX RECEPTACLE OUTLET; MOUNTED ABOVE COUNTER; FIELD VERIFY HEIGHT
	120V, DUPLEX RECEPTACLE GFCI WITH WEATHER PROOF COVER
	SINGLE SPECIAL PURPOSE RECEPTACLE, VOLTAGE AND NEMA RECEPTACLE TYPE AS NOTED
	SINGLE POLE SWITCH
	WALL MOUNTED OCCUPANCY SENSOR

COMPONENTS

	RESISTOR
	POTENTIOMETER
	CAPACITOR, FIXED
	CAPACITOR, ADJUSTABLE
	DIODE
	DIODE, ZENER
	VARISTOR TRANSIENT VOLTAGE SUPPRESSOR
	VOLTAGE SURGE SUPPRESSOR, AC
	METAL OXIDE VARISTOR

SWITCHES - OPERATOR

	TOGGLE OR DISCONNECT SWITCH
	PUSHBUTTON - NORMALLY OPEN, MOMENTARY ACTION
	PUSHBUTTON - NORMALLY CLOSED, MOMENTARY ACTION
	PUSHBUTTON, MECHANICALLY INTERLOCKED, DOUBLE CIRCUIT - NORMALLY CLOSED AND NORMALLY OPEN, MAINTAINED ACTION
	SELECTOR SWITCH, 3 POSITION - CONTACT STATUS SHOWN EXISTS AT POSITION OF H-HAND, O-OFF, OR A-AUTO
	SELECTOR SWITCH, 2 POSITION - CONTACT STATUS SHOWN EXISTS AT POSITION AS SHOWN

SWITCHES - PROCESS

	FLOW SWITCH - CLOSES UPON INCREASING FLOW
	FLOW SWITCH - OPENS UPON INCREASING FLOW
	LEVEL SWITCH - CLOSES UPON INCREASING LEVEL
	LEVEL SWITCH - OPENS UPON INCREASING LEVEL
	PRESSURE SWITCH - CLOSES UPON INCREASING PRESSURE (DECREASING VACUUM)
	PRESSURE SWITCH - OPENS UPON INCREASING PRESSURE (DECREASING VACUUM)
	TEMPERATURE SWITCH - CLOSES UPON INCREASING TEMPERATURE
	TEMPERATURE SWITCH - OPENS UPON INCREASING TEMPERATURE
	LIMIT SWITCH - CLOSES AT SET LIMIT
	LIMIT SWITCH - OPENS AT SET LIMIT
	PROXIMITY SWITCH - CLOSES UPON DECREASING DISTANCE
	PROXIMITY SWITCH - OPENS UPON DECREASING DISTANCE
	TORQUE SWITCH - CLOSES UPON INCREASING TORQUE
	TORQUE SWITCH - OPENS UPON INCREASING TORQUE

DEVICES - FRONT PANEL

	INDICATING LIGHT, LETTER "X" INDICATES COLOR: R=RED, G=GREEN, A=AMBER, W=WHITE, Y=YELLOW, B=BLUE
	INDICATING LIGHT, PUSH TO TEST
	AMP METER
	VOLT METER
	ELAPSED TIME METER
	MULTI-POSITION SWITCH WHERE LETTER "X" IS FUNCTION: A=AMP, V=VOLT

DESIGNATION SYMBOLS

	COLUMN LINE
	FEEDER DESIGNATION TAG
	KEY NOTE TAG
	MOTOR DESIGNATION TAG
	FIXTURE DESIGNATION UPPER CASE LETTER INDICATES LUMINAIRE TYPE LOWER CASE LETTER INDICATES SWITCH LEG NUMBER INDICATES CIRCUIT NUMBER (WHERE SHOWN)
	NUMBER INDICATES CIRCUIT NUMBER (WHERE SHOWN)

CONDUIT SYMBOLS

	CONDUIT INSTALLED CONCEALED ABOVE CEILINGS OR IN WALLS IN FINISHED AREAS OR EXPOSED IN UNFINISHED AREAS
	CONDUIT INSTALLED BELOW FINISHED FLOOR OR BELOW GRADE
	INDICATES CONDUIT TURNING UP
	INDICATES CONDUIT TURNING DOWN
	CONDUIT STUBBED OUT WITH BUSHING
	CONDUIT STUBBED OUT AND CAPPED
	FLEXIBLE CONDUIT WITH SINGLE POINT OF CONNECTION AT ELECTRICAL EQUIPMENT
	GROUNDING CONDUCTOR
	CONDUIT HOMERUN: ROUTE TO PANELBOARD, CABINET, OR TERMINAL BOARD INDICATED, AND TERMINATE CONDUCTORS TO CIRCUIT OVER CURRENT PROTECTIVE DEVICE
	CONDUIT CHANGE IN ELEVATION

DEVICES - RELAYS

	CONTACTOR OR STARTER M1
	CONTROL RELAY CR1
	TIME DELAY RELAY TR2 - ADJUSTABLE TIME DELAY RANGE & SETTING AS SHOWN
	TIME DELAY ON ENERGIZATION
	TIME DELAY ON DE-ENERGIZATION
	REFERENCED RELAY WITH N.O. CONTACT ON LINE 107 N.C. CONTACT ON LINE 121
	NORMALLY OPEN, RELAY CONTACT - ACTUATED BY RELAY CR1 COIL LOCATED ON LINE 105
	NORMALLY CLOSED, RELAY CONTACT - ACTUATED BY RELAY CR1
	NORMALLY OPEN, TIME DELAY RELAY CONTACT - CONTACT CLOSSES AFTER T2 IS ENERGIZED
	NORMALLY CLOSED, TIME DELAY RELAY CONTACT - CONTACT OPENS AFTER T2 IS ENERGIZED
	NORMALLY OPEN, TIME DELAY RELAY CONTACT - CONTACT OPENS AFTER TR2 IS DE-ENERGIZED
	NORMALLY CLOSED, TIME DELAY RELAY CONTACT - CONTACT CLOSSES AFTER TR2 IS DE-ENERGIZED
	CONTACT OPENS AND CLOSSES IN A TIMED REPEAT CYCLE
	SOLENOID COIL

DEVICES - PROTECTIVE

	CIRCUIT BREAKER, WITH AMPS OR POLES AS SHOWN OR NOTED PROVIDE TRIP UNIT AS SHOWN
	MCP - MOTOR CIRCUIT PROTECTOR
	TM - THERMAL MAGNETIC
	LSIG - LONG, SHORT, INST, GFI
	MCS - MOLDED CASE SWITCH, NO TRIP
	THERMAL OVERLOAD CONTACT
	THERMAL OVERLOAD ELEMENT
	MOTOR STARTER
	FUSE WITH BLOWN FUSE INDICATING LIGHT
	FUSE
	KIRK-KEY INTERLOCK
	DISCONNECT SWITCH, WITH POLES AS SHOWN OR NOTED. PROVIDE AMP RATING OR HP RATING AS SHOWN

LIGHTING SYMBOLS

	LED LIGHT FIXTURE AND OUTLET BOX
	LED LIGHT FIXTURE, OUTLET BOX, AND 90 MIN. BATTERY BACKUP
	DOWN-LIGHT FIXTURE AND OUTLET BOX
	WALL MOUNTED LIGHT FIXTURE AND OUTLET BOX
	CEILING MOUNTED STRIP LIGHT FIXTURE AND OUTLET BOX
	AREA LIGHTING POLE WITH FIXTURE(S)
	EMERGENCY BATTERY UNIT
	PENDANT FIXTURE
	EXIT SIGN; WALL MOUNTED; ARROWS AND FACES AS SHOWN ON PLANS
	EXIT SIGN; CEILING MOUNTED; ARROWS AND FACES AS SHOWN ON PLANS
	GROUND MOUNTED UPLIGHT
	TRACK LIGHTING

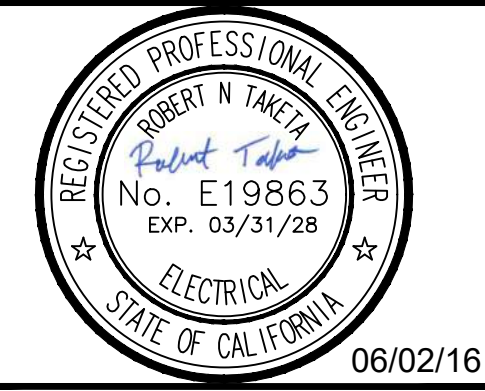
A, AMP	AMPERE
AC	ALTERNATING CURRENT
ACT	ABOVE COUNTER TOP
AIC	AMPERE INTERRUPTING CAPACITY
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GROUND
ATS	AUTOMATIC TRANSFER SWITCH
AF	FRAME RATING IN AMPERES
AS	SWITCH RATING IN AMPERES
AT	TRIP RATING IN AMPERES
AWG	AMERICAN WIRE GAUGE
AV	AUDIO VISUAL
BATT	BATTERY
C	CONDUIT
CB	CIRCUIT BREAKER
CFOI	CONTRACTOR FURNISHED OWNER INSTALLED
CL	CENTERLINE
CEC	CALIFORNIA ELECTRICAL CODE
CKT	CIRCUIT
CLG	CEILING
COAX	COAXIAL CABLE
COMM	COMMUNICATION
CU	COPPER
DC	DIRECT CURRENT
DPDT	DOUBLE POLE, DOUBLE THROW
DPST	DOUBLE POLE, SINGLE THROW
DIST	DISTRIBUTION
DWG	DRAWING
(E)	EXISTING TO REMAIN
(ER)	REMOVE EXISTING
(EL)	RELOCATE EXISTING
EC	EMPTY CONDUIT
ELEC	ELECTRICAL
ELEV	ELEVATION
EMER	EMERGENCY
EMT	ELECTRIC METALLIC TUBING
EWC	ELECTRIC WATER COOLER
EWVH	ELECTRIC WATER HEATER
(F)	FUTURE
FA	FIRE ALARM
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FACP	FIRE ALARM CONTROL PANEL
FATC	FIRE ALARM TERMINAL CABINET
FARA	FIRE ALARM REMOTE ANNUNCIATOR
FCIP	FIRE ALARM CONTROL AND INDICATING PANEL
FLA	FULL LOAD AMPS
FPRP	FIRE ALARM PUMP STATUS PANEL
FVNR	FULL-VOLTAGE, NON-REVERSING
FVR	FULL VOLTAGE, REVERSING
GFCI	GROUND FAULT CIRCUIT INTERRUPTING
GFR	GROUND FAULT RELAY
G, GND	GROUND
GEN	GENERATOR
IG	ISOLATED GROUND
HID	HIGH INTENSITY DISCHARGE
HOA	HAND - OFF - AUTO
HP	HORSEPOWER
HPF	HIGH POWER FACTOR
HPS	HIGH PRESSURE SODIUM
KW	KILOWATT
KWH	KILOWATT-HOUR
LRC	LIGHTING RELAY CABINET
MECH	MECHANICAL
MCB	MAIN CIRCUIT BREAKER
MCM	THOUSAND CIRCULAR MILS
MH	MANHOLE
N	NEUTRAL
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRIC CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OFCl	OWNER FURNISHED CONTRACTOR INSTALLED
P	POLE
PB	PULL BOX
PF	POWER FACTOR
ø, PH	PHASE
PNL	PANEL
PRI	PRIMARY
PV	PHOTOVOLTAIC
PVC	POLYVINYL CHLORIDE CONDUIT
PWR	POWER
RSC	RIGID STEEL CONDUIT
SEC	SECONDARY, SECOND
SWBD	SWITCHBOARD
SWGR	SWITCHGEAR
SYS	SYSTEM
TB, TTB	TERMINAL BACKBOARD
TC	TERMINAL CABINET
TEL	TELEPHONE
TP	TAMPER PROOF
TYP	TYPICAL

UON	UNLESS OTHERWISE NOTED
UPS	UNINTERRUPTIBLE POWER SUPPLY
V	VOLT
VA	VOLT AMPERES
VFD	VARIABLE FREQUENCY DRIVE
W	WATT
WP	WEATHERPROOF
XFMR	TRANSFORMER
XP	EXPLOSION PROOF

- METHODS AND MATERIALS SHALL BE IN ACCORDANCE WITH OSHA AND ALL LOCAL, STATE AND NATIONAL CODES, LAWS AND ORDINANCES APPLICABLE TO THE WORK UNDER THIS CONTRACT.
- VISIT AND INVESTIGATE THE SITE BEFORE SUBMITTING A BID. OBSERVE CONDITIONS RELATING TO WORK AND OBTAIN THE EXACT SUCH INFORMATION AS MAY BE NECESSARY TO PROVIDE AN INTELLIGENT AND CONCLUSIVE BID. NO ALLOWANCE WILL BE MADE FOR ANY EXTRA EXPENSE DUE TO THE FAILURE TO MAKE SUCH A VISIT AND INVESTIGATION.
- LOCATIONS OF DISCONNECT SWITCHES, STARTERS, ETC. ARE TENTATIVE. FINAL LOCATIONS SHALL SUIT SPACE AND EQUIPMENT CONDITIONS. COORDINATE AND MAINTAIN WORKING SPACE PER CEC.
- MAKE ALL FINAL ELECTRICAL CONNECTIONS TO ALL EQUIPMENT REQUIRING ELECTRICAL CONNECTIONS. THIS SHALL INCLUDE BUT NOT BE LIMITED TO THE CONNECTION OF ALL MECHANICAL AND OTHER EQUIPMENT WHICH IS TO BE INSTALLED AS PART OF THIS CONSTRUCTION CONTRACT.
- LOCATE JUNCTION AND PULL BOXES GENERALLY NOT EXPOSED IN FINISHED SPACES. PROVIDE PULL BOXES AS INDICATED AND WHEREVER NECESSARY TO FACILITATE PULLING OF WIRE AND COORDINATE LOCATIONS WITH OTHER TRADES. COVERS OF JUNCTION AND PULL BOXES SHALL BE ACCESSIBLE FOR ALL RACEWAY RUNS. PROVIDE BOXES EVERY 200 FEET, AND AFTER EVERY TWO RIGHT ANGLE BENDS AND AS INDICATED. COORDINATE LOCATIONS WITH OTHER TRADES.
- WHERE WIRE SIZE IS LISTED ON DRAWINGS FOR REFERENCE, CONTRACTOR SHALL MODIFY WIRE SIZE AS NEEDED TO ALLOW FOR VOLTAGE DROP. CONTRACTOR TO FIELD VERIFY ACTUAL LENGTHS OF CABLES DURING INSTALLATION.
- PROVIDE SUFFICIENT ACCESS AND WORKING CLEARANCE ABOUT THE ELECTRICAL EQUIPMENT IN ACCORDANCE WITH CEC 110.26(A).
- A DISCONNECTING MEANS SHALL BE LOCATED WITHIN SIGHT OF ALL CONTROLLER AND MOTOR LOCATIONS AND SHALL DISCONNECT THE CONTROLLER AND MOTORS PER CEC 430.102(A) AND (B).
- REMOVE WIRING DEVICES, FIXTURES, COMPONENTS, ELECTRICAL EQUIPMENT AND BOXES NOT REQUIRED TO REMAIN IN SERVICE IN REMODELED AREAS WHEN THIS PROJECT IS COMPLETE.
 - REMOVE WIRE, CONDUITS AND BOXES FOR SUCH DEVICE BACK TO SOURCE. WHERE CIRCUIT IS INTERRUPTED BY SUCH REMOVAL OF A DEVICE OR FIXTURE FROM THAT CIRCUIT, INSTALL WIRE AND CONDUIT AS REQUIRED TO RESTORE SERVICE TO THE REMAINING DEVICES AND FIXTURE ON THAT CIRCUIT.
 - WHERE THIS WORK IS NOT POSSIBLE WITHOUT DISTURBING AREAS NOT BEING RENOVATED, CONSULT WITH THE STATE REPRESENTATIVE BEFORE PERFORMING THE WORK.
 - WHERE EXISTING CIRCUITS, FEEDERS OR WIRING RUNS SERVING OTHER AREAS ARE SERVED FROM THE SPACE TO BE DEMOLISHED, RECONNECT THEM TO OTHER SOURCES AS REQUIRED TO MAINTAIN SERVICE TO THE EXISTING DEVICES.
- WHERE DRAWINGS INDICATE EXISTING ELECTRICAL EQUIPMENT OR DEVICES ARE TO REMAIN IN SERVICE, RELOCATED OR REUSED, REFURBISH THEM. CLEAN SUCH ITEMS AND NOTIFY STATE REPRESENTATIVE OF ANY DEFECTS IN SUCH INSTALLATIONS. REPAIR ANY DAMAGE CAUSED BY DEMOLITION OR CONSTRUCTION PERFORMED UNDER THIS CONTRACT.
- OFFER LIGHTING FIXTURES, WIRING DEVICES, PANELBOARDS AND EQUIPMENT TO THE FACILITY. TURN ITEMS OVER TO THE STATE REPRESENTATIVE IF HE CHOOSES TO RETAIN THESE ITEMS. REMOVE ITEMS REJECTED BY THE STATE REPRESENTATIVE FROM THE PROJECT SITE AND DISPOSE THEM IN A LEGAL MANNER.



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AUSTIN CREEK SRA

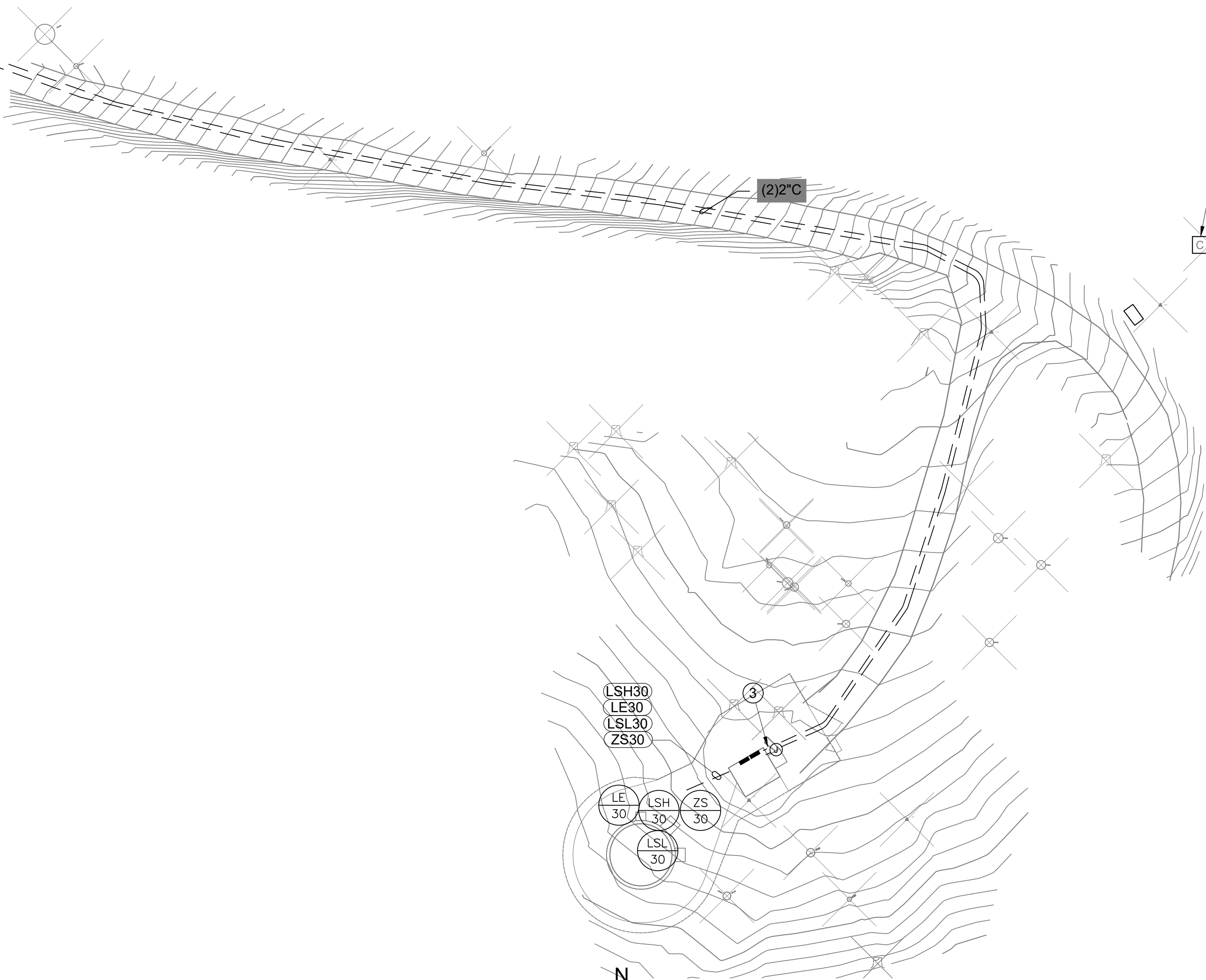
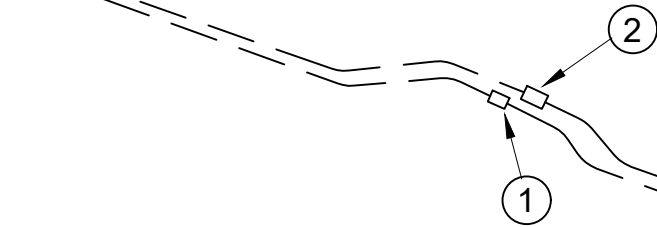
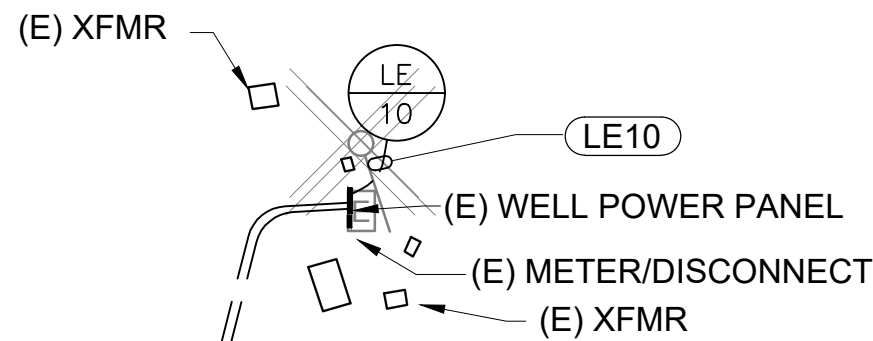
BULLFROG POND AND POND FARM WATER SYSTEM

ELECTRICAL SYMBOLS AND
ABBREVIATIONS

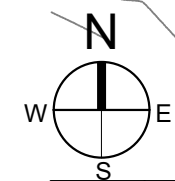
207907.11

SHEET NO.
E0.1
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File: S:\NSC_Projects\Austin_Creek_SRA\207833-Bullfrog_Pond_and_Pond_Farm_water_systems\05_Drawings\Electrical\E0.2 ELECTRICAL SITE PLAN.dwg Layout: E0.2 ELECTRICAL SITE PLAN.dwg Date: June 02 2026 - 11:12 am User: itaketa



1 ELECTRICAL SITE PLAN
SCALE@22X34 1/2"=1'-0"



CONDUIT & WIRE ROUTING SCHEDULE											
CONDUIT DETAILS						POWER WIRE		CONTROL WIRE		GROUND	NOTES
REV	TAG NO.	FROM	TO	QTY	SIZE	TYPE	QTY	SIZE	QTY	SIZE	
	LSH 30	RTU	LSH30	1	1"	PVC-80	-	-	2	#18	-
	LE 30	RTU	LE30	1	1"	PVC-80	-	-	1	#16 TSPR	-
	LSL 30	RTU	LSL30	1	1"	PVC-80	-	-	2	#18	-
	ZS 30	RTU	ZS30	1	3/4"	PVC-80	-	-	2	#18	-
	LE 10	CP	LE10	1	1"	PVC-80	-	-	1	#16 TSPR	-

SHEET NOTES:

- 1 PROVIDE N30 CHRISTY PULL BOX OR EQUAL AND LABEL "ELECTRICAL". VERIFY EXACT LOCATION AT JOB SITE.
- 2 PROVIDE N36 CHRISTY PULL BOX OR EQUAL AND LABEL "COMMUNICATIONS". VERIFY EXACT LOCATION AT JOB SITE.
- 3 REFER TO DETAIL 6/E5.0 FOR TRANSITION INTO BUILDING.



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approve any omission or deviation from
applicable regulations. Final approval is subject
to field inspection. One set of approved plans
shall be available on the project site at all times.



06/02/16

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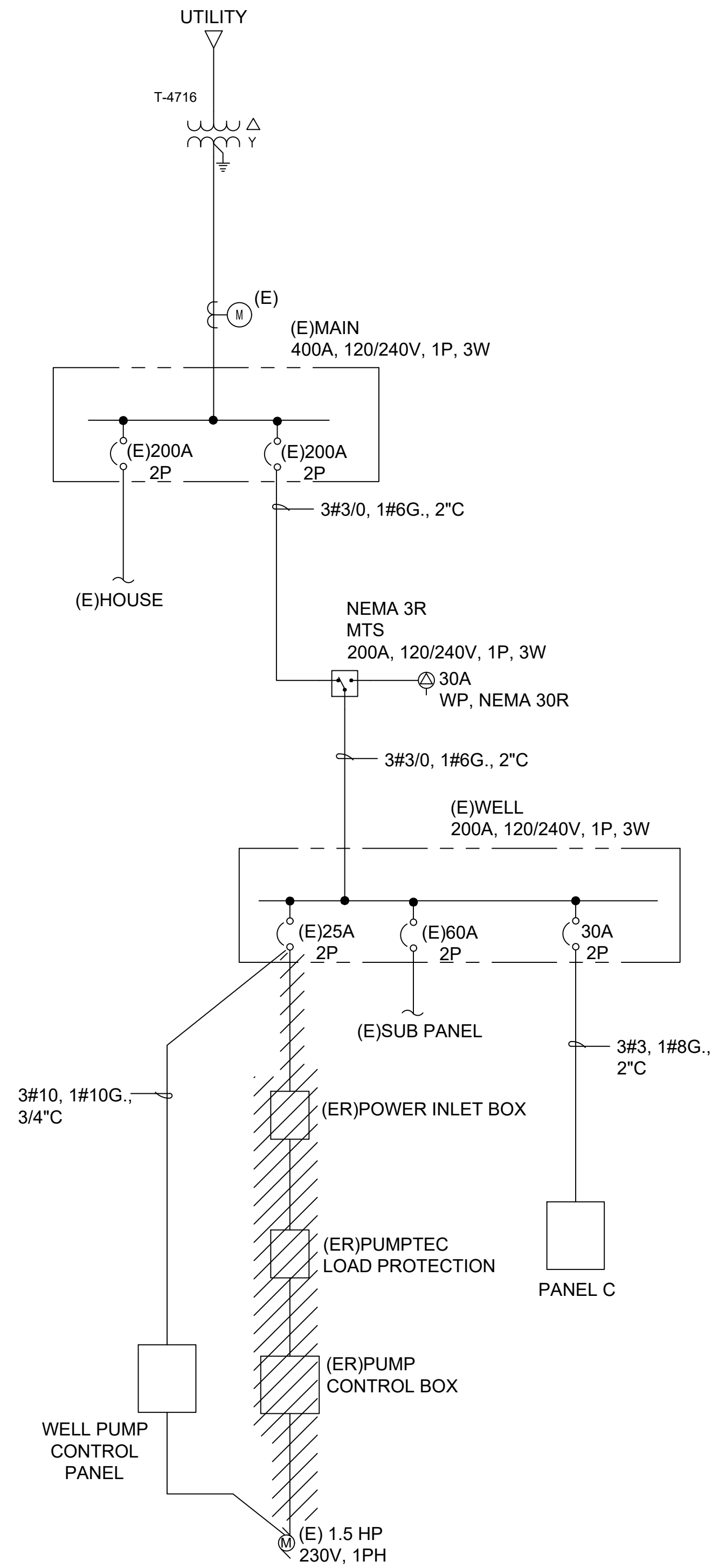
AUSTIN CREEK STATE RECREATION AREA
BULLFROG POND AND POND FARM WATER SYSTEM

ELECTRICAL SITE PLAN

207907.12

SHEET NO.
E0.2

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LIGHTING FIXTURE SCHEDULE										
TAG	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	VOLTS	WATTS	LAMP(S)	BALLAST/ DRIVER	MOUNTING	FINISH	REMARKS
A	H.E. WILLIAMS OR EQUAL	96-24-L62-8-40-SFRA- DIM-120	LED 4" FULLY ENCLOSED & GASKETED LINEAR, 4000K	120	48W	LED	DIMMING DRIVER	SURFACE		
B	PHOENIX OR OR EQUAL	VA-W-17LED-CW-FGC	VAPORTIGHT LED GLOBE FIXTURE, 3000K	120	17W	LED	DRIVER	WALL		



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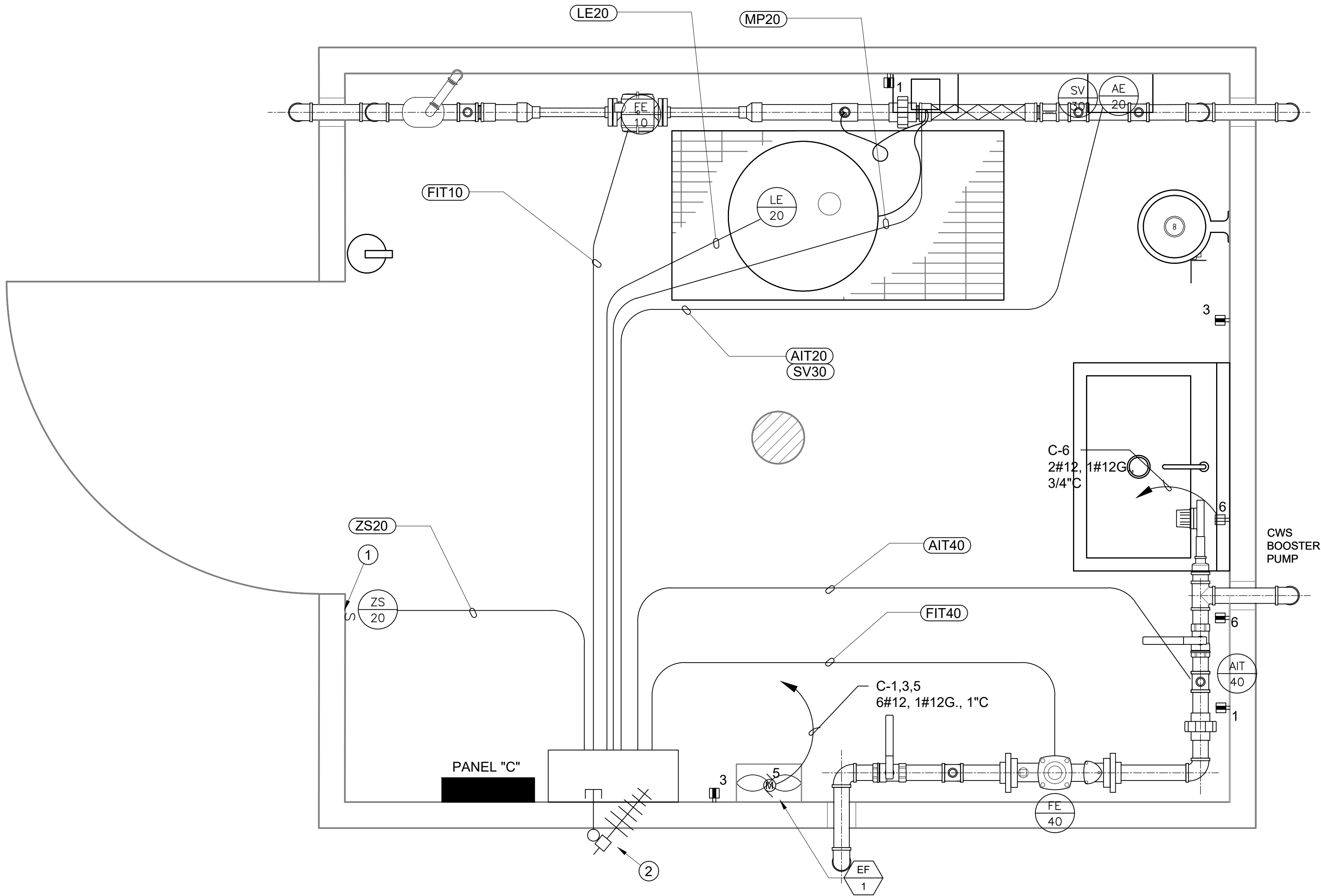
AUSTIN CREEK SRA
BULLFROG POND AND POND FARM WATER SYSTEM
ELECTRICAL PARTIAL SINGLE LINE
AND SCHEDULES

207907.13

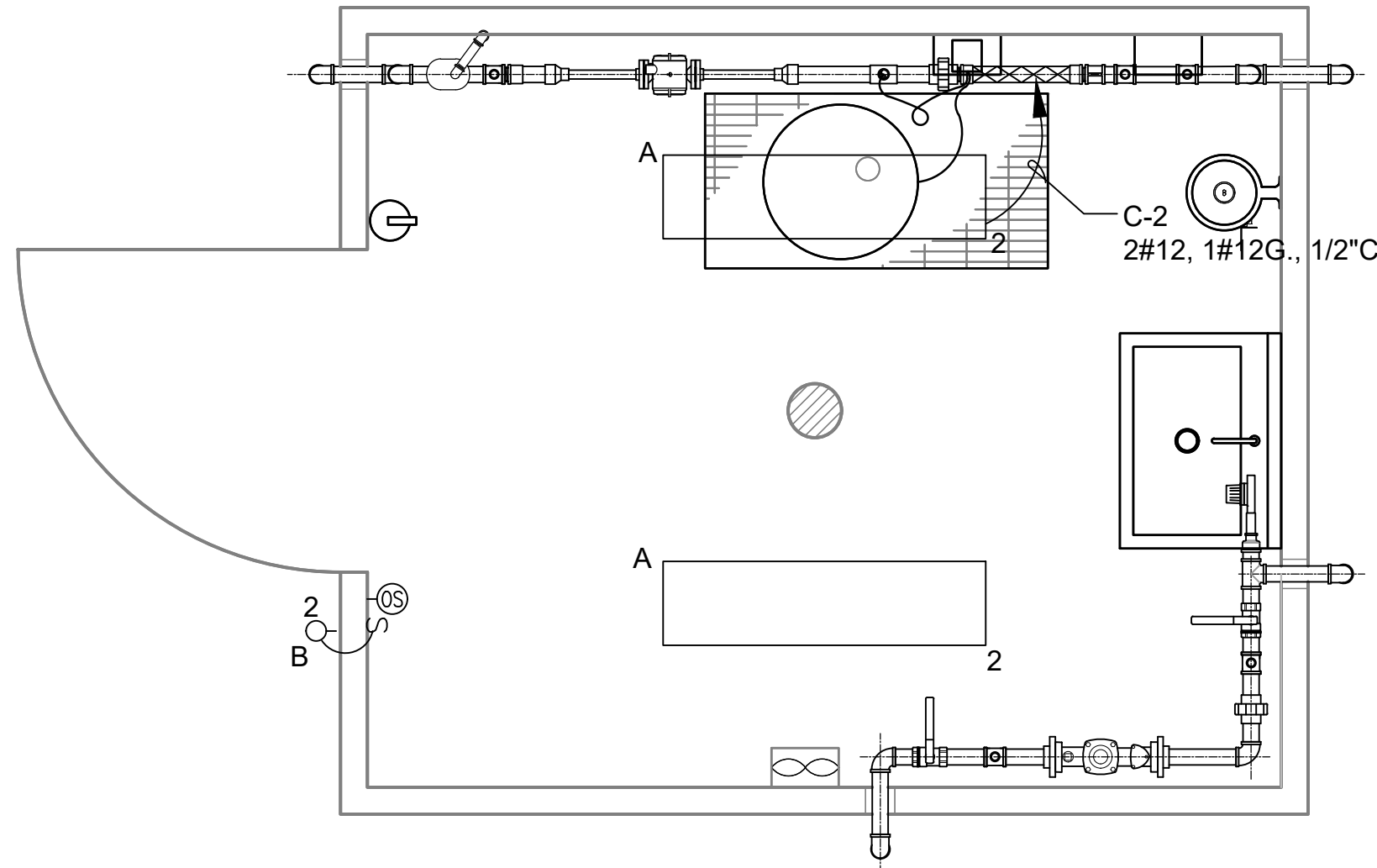
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File: S:\NSC_Projects\Austin_Creek_SRA\207833-Bullfrog_Pond_and_Pond_Farm_water_systems\06_Drawings\Electrical\E2.0 ELECTRICAL PLAN.dwg Layout: E2.0 ELECTRICAL PLAN Date: June 02 2026 - 11:17 am User: riketa



1 ELECTRICAL POWER FLOOR PLAN
SCALE@22X34 1"=1'-0"



2 ELECTRICAL LIGHTING FLOOR PLAN
SCALE@22X34 1/2"=1'-0"

CONDUIT & WIRE ROUTING SCHEDULE									
REV	CONDUIT DETAILS			POWER WIRE		CONTROL WIRE		GROUND	NOTES
	TAG NO.	FROM	TO	QTY	SIZE	TYPE	QTY	SIZE	
	FIT 10	RTU PANEL	FE10	1	3/4"	PVC-80	-	-	
	LE 20	RTU PANEL	LE20	1	3/4"	PVC-80	-	-	
	AIT 20	RTU PANEL	AE20	1	3/4"	PVC-80	-	-	
	AIT 40	RTU PANEL	AE40	1	3/4"	PVC-80	-	-	
	FIT 40	RTU PANEL	FE40	1	3/4"	PVC-80	-	-	
	ZS 20	RTU PANEL	ZS20	1	3/4"	PVC-80	-	-	
	MP 20	RTU PANEL	MP20	1	3/4"	PVC-80	-	-	
	SV 30	RTU PANEL	SPV30	1	3/4"	PVC-80	-	-	

SHEET NOTES:

- 1 PROVIDE 15A DISCONNECT SWITCH FOR EXHAUST FAN. COORDINATE WITH EXHAUST FAN MANUFACTURER FOR REQUIREMENTS.
- 2 PROVIDE RADIO ANTENNA MAST PER DETAIL 7/E5.0.



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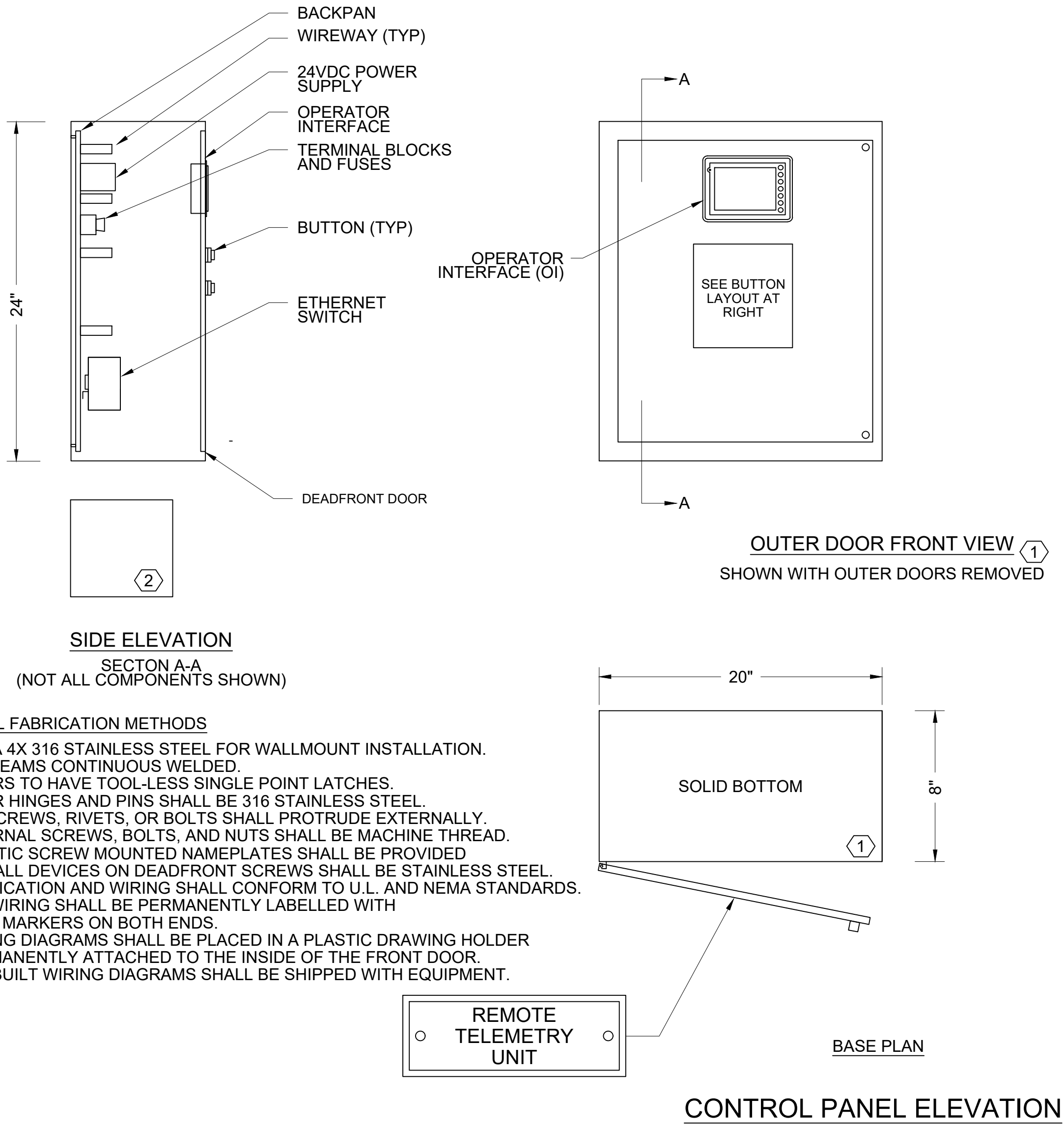
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AUSTIN CREEK SRA
BULLFROG POND AND POND FARM WATER SYSTEM
ELECTRICAL PLAN

207907.14

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E2.0
14 OF 25

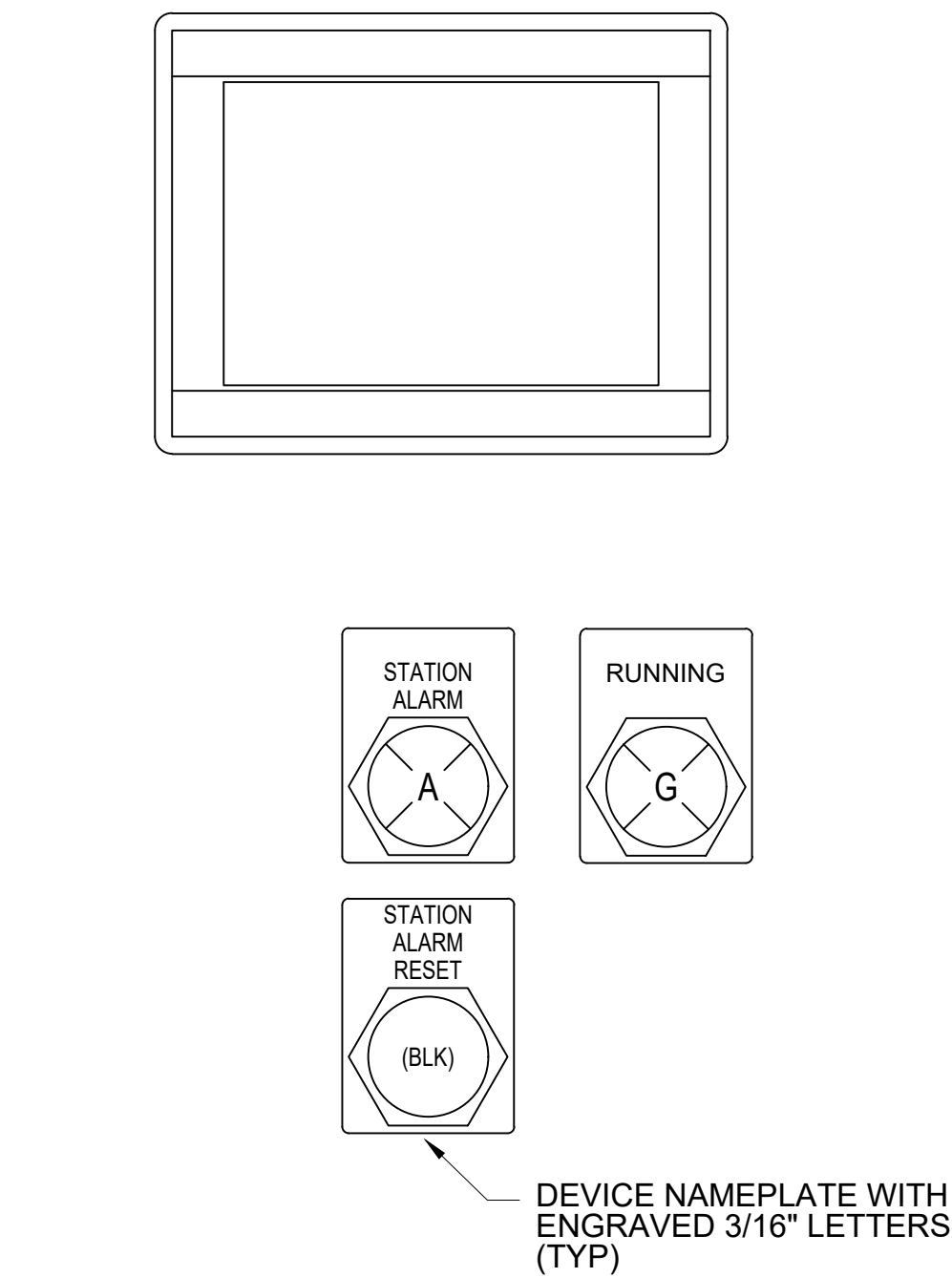
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- PANEL FABRICATION METHODS**
1. NEMA 4X 316 STAINLESS STEEL FOR WALLMOUNT INSTALLATION.
 2. ALL SEAMS CONTINUOUS WELDED.
 3. DOORS TO HAVE TOOL-LESS SINGLE POINT LATCHES.
 4. DOOR HINGES AND PINS SHALL BE 316 STAINLESS STEEL.
 5. NO SCREWS, RIVETS, OR BOLTS SHALL PROTRUDE EXTERNALLY.
 6. INTERNAL SCREWS, BOLTS, AND NUTS SHALL BE MACHINE THREAD.
 7. PLASTIC SCREW MOUNTED NAMEPLATES SHALL BE PROVIDED FOR ALL DEVICES ON DEADFRONT SCREWS SHALL BE STAINLESS STEEL.
 8. FABRICATION AND WIRING SHALL CONFORM TO U.L. AND NEMA STANDARDS.
 9. ALL WIRING SHALL BE PERMANENTLY LABELLED WITH WIRE MARKERS ON BOTH ENDS.
 10. WIRING DIAGRAMS SHALL BE PLACED IN A PLASTIC DRAWING HOLDER PERMANENTLY ATTACHED TO THE INSIDE OF THE FRONT DOOR.
 11. AS - BUILT WIRING DIAGRAMS SHALL BE SHIPPED WITH EQUIPMENT.

DRAWING REFERENCED NOTES:

- (1) PANEL SHALL BE HOFFMAN CONCEPT ENCLOSURE MODEL NUMBER C-SD24208SS STAINLESS STEEL CONSTRUCTION OR EQUAL. PROVIDE LATCHES, BACKPANS, DEADFRONTS AND OTHER PARTS TO COMPLETE PANELS. PLUG ANY HOLES IN PANEL WITH CARRIAGE BOLTS.
- (2) BATTERY ENCLOSURE SHALL BE MILBANK HC10106JIC4XZ STAINLESS STEEL NEMA 4X OR EQUAL.



OUTER DOOR LAYOUT (PARTIAL)



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DATE:	03-30-26

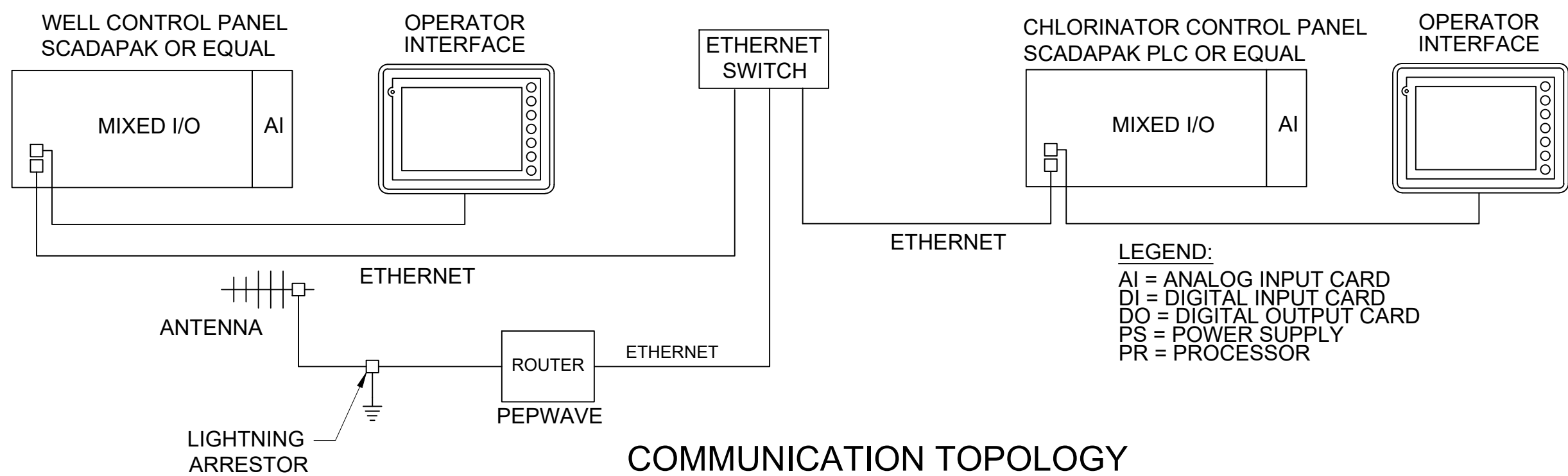
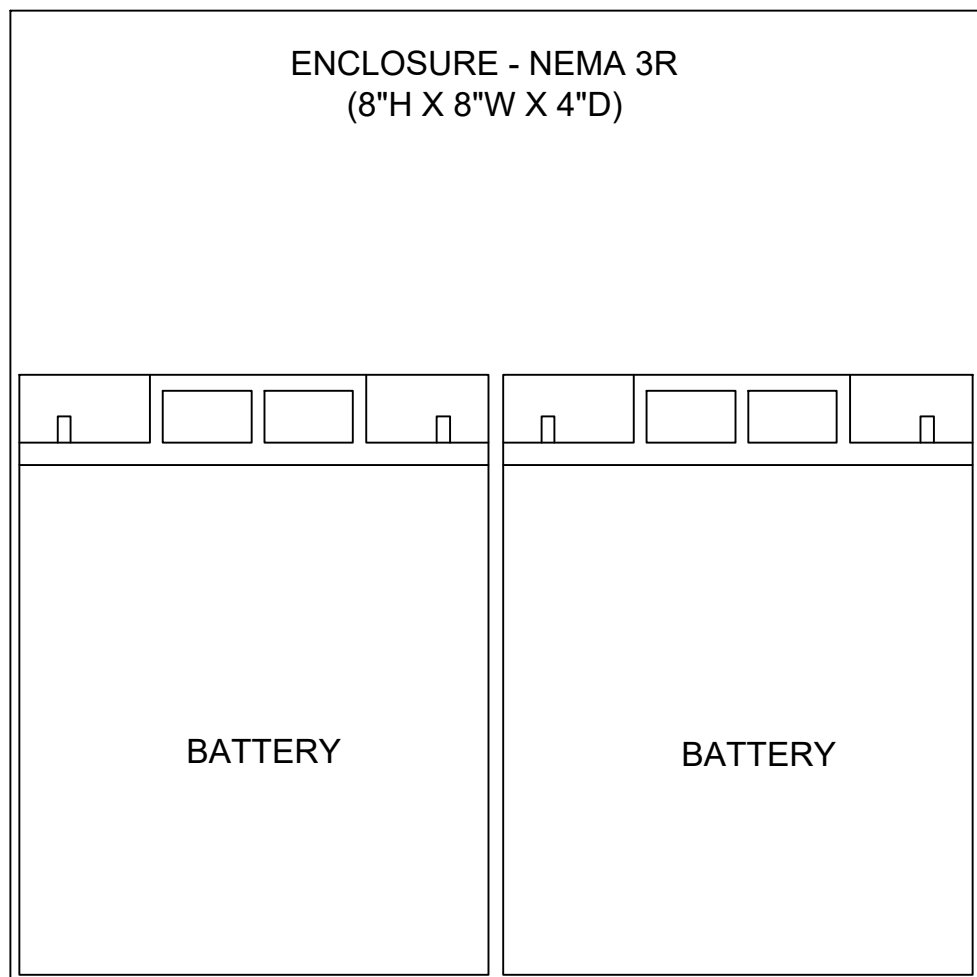
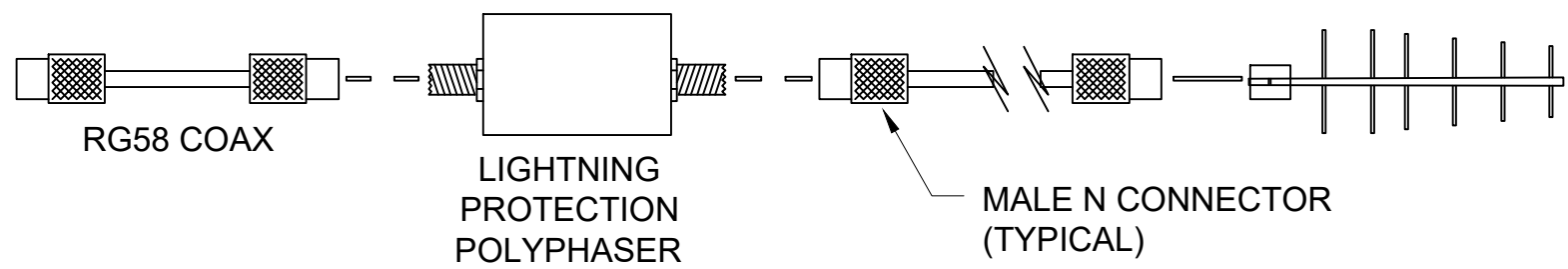
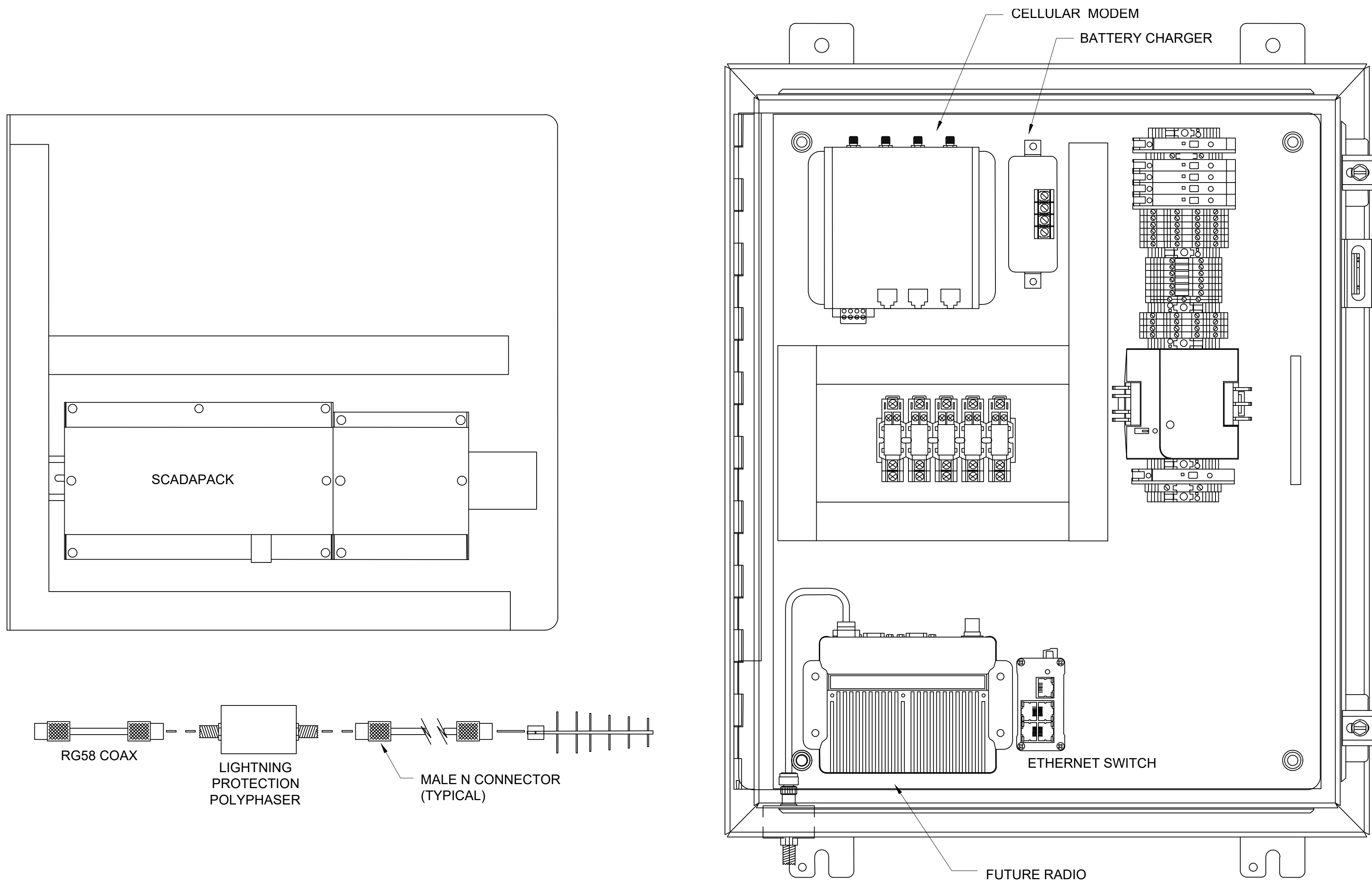
REVISIONS	DATE

AUSTIN CREEK SRA
BULLFROG POND AND POND FARM WATER SYSTEM

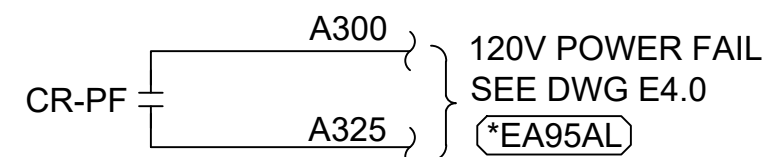
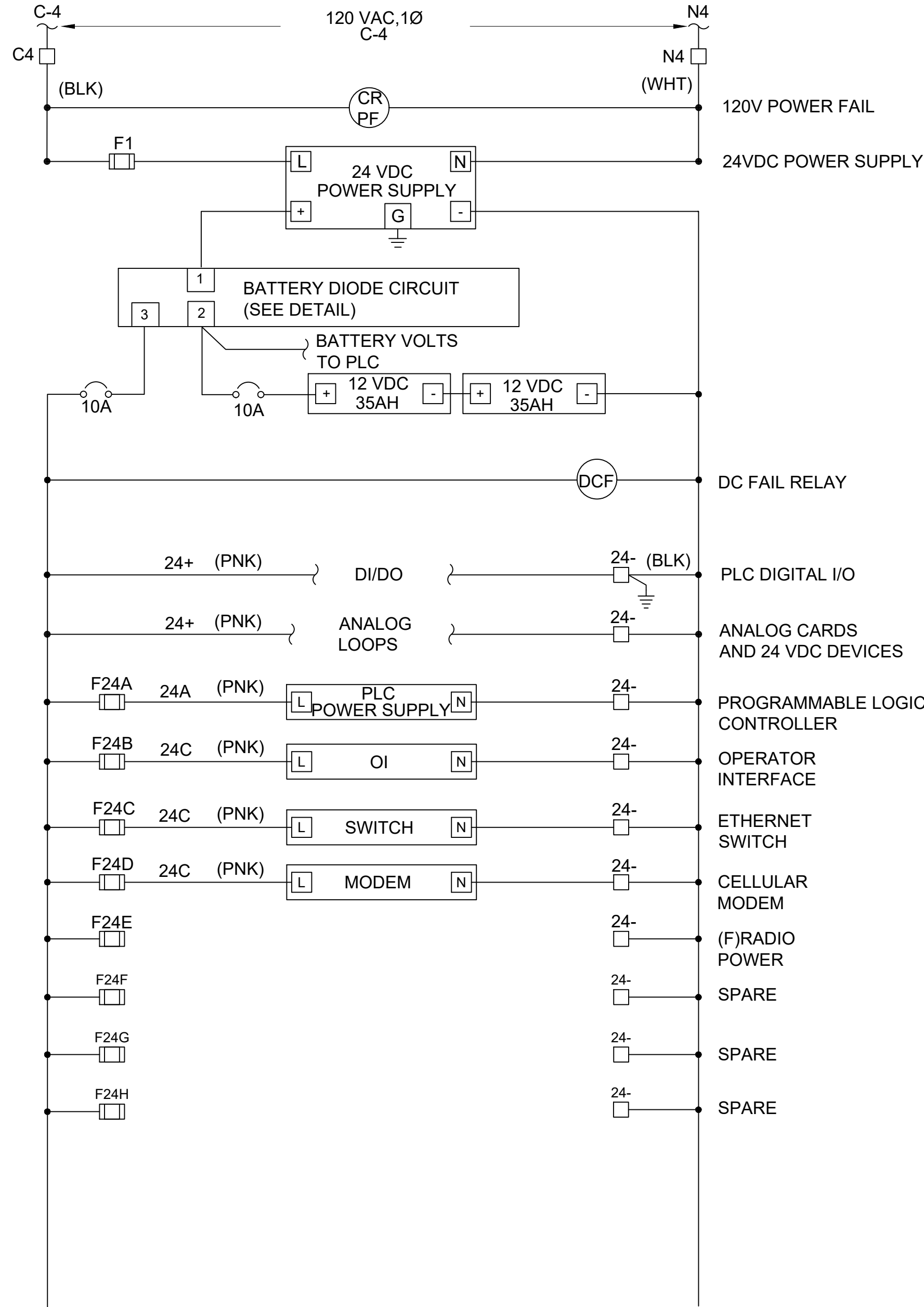
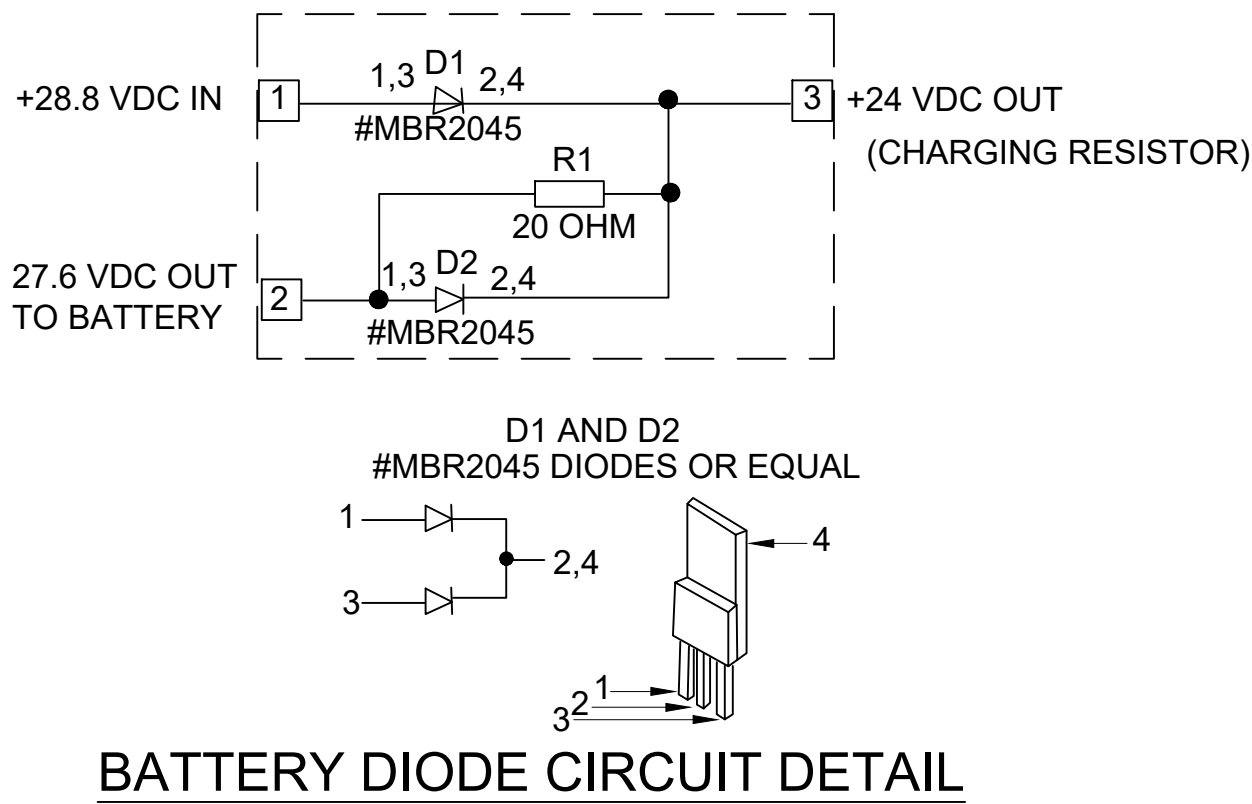
**ELECTRICAL RTU PANEL
ELEVATION**

207907.15
SHEET NO. E3.0 15 OF 25

File: S:\NSC_Projects\Austin_Creek_SRA\207833-Bullfrog_Pond_and_Pond_Farm_water_systems\05_Drawings\Electrical\E3.1 ELECTRICAL RTU WIRING DIAGRAM.dwg Layout: Model Date: March 28 2026 - 12:23 pm User: raketa



LEGEND:
AI = ANALOG INPUT CARD
DI = DIGITAL INPUT CARD
DO = DIGITAL OUTPUT CARD
PS = POWER SUPPLY
PR = PROCESSOR



POWER DISTRIBUTION BLOCK SCHEMATIC 1

DRAWING REFERENCED NOTES:

1 DISTRIBUTION DIAGRAM REPRESENTATIVE OF MAJOR COMPONENTS ONLY. ADDITIONAL FUSES, CIRCUITS AND COMPONENT CONNECTIONS MAY BE REQUIRED FOR A FUNCTIONAL SYSTEM.

GENERAL NOTES:

1. REMAINING WIRES AND TERMINALS SHALL BE NUMBERED BY MANUFACTURER DURING SUBMITTAL.



FACILITIES AND
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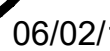
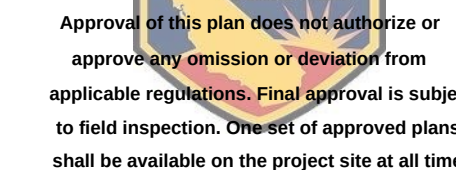
REVISIONS	DATE

AUSTIN CREEK SRA BULLFROG POND AND POND FARM WATER SYSTEM ELECTRICAL RTU WIRING DIAGRAM

207907.16

SHEET NO.
E3.1

16 OF 25



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AUSTIN CREEK SRA
BULLFROG POND AND POND FARM WATER SYSTEM
ELECTRICAL WELL PUMP CONTROL
PANEL DISTRIBUTION DIAGRAM

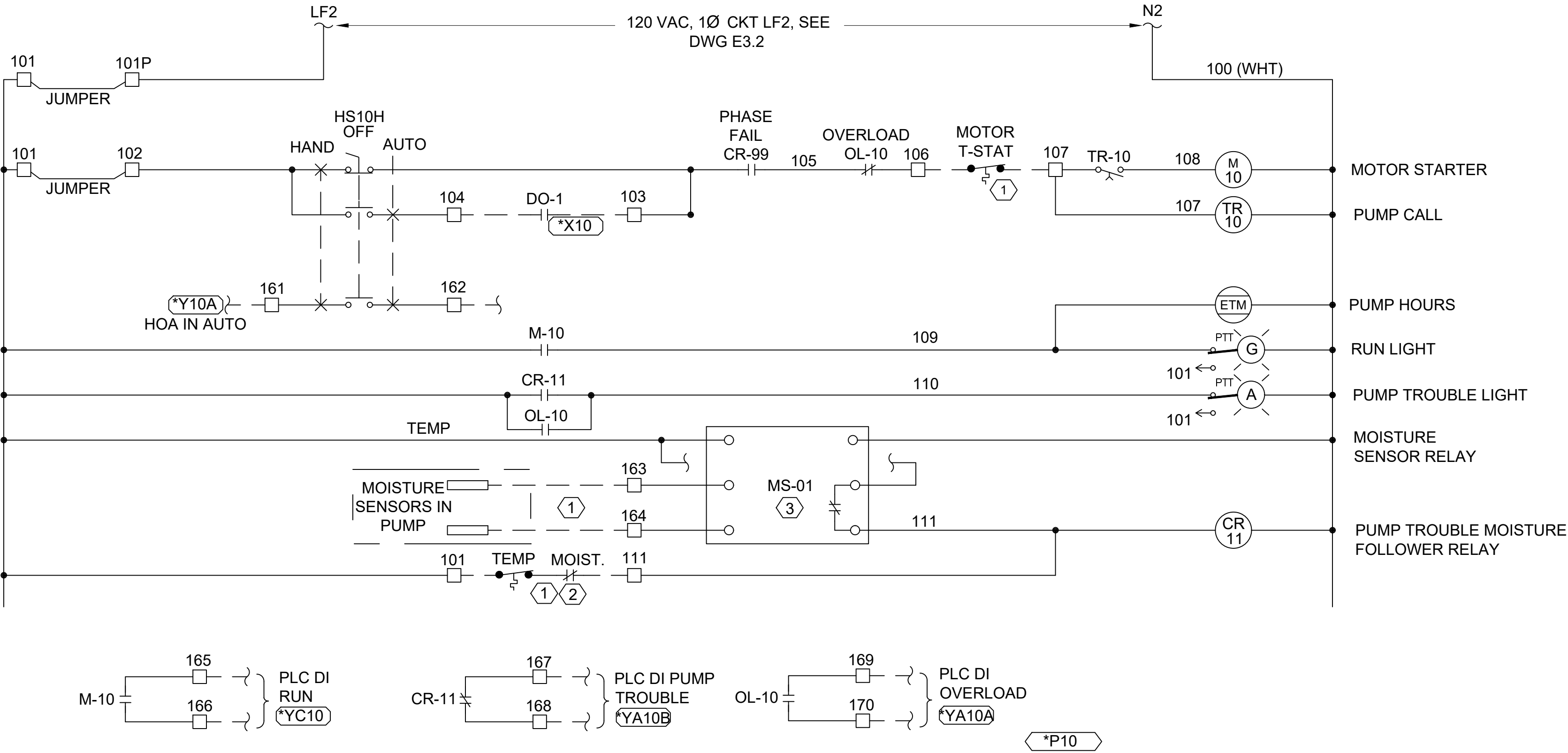
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17 OF 25



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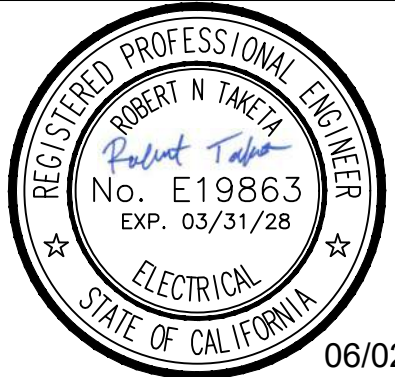
PUMP MOTOR ELEMENTARY DIAGRAM

NOTES REFERENCED IN DRAWING:

- ① THE SUBMERSIBLE MOTOR MOISTURE AND OVERTEMP CIRCUIT WILL VARY WITH PUMP MANUFACTURER. FIELD CONNECTIONS TO BE INSTALLED PER PUMP REQUIREMENTS.
- ② THE PUMP'S MOISTURE AND OVERTEMP STATUS IS WIRED IN SERIES INTERNAL TO THE MOTOR. OVERTEMP WILL AUTOMATICALLY RESET. THE MOISTURE STATUS WILL BE MAINTAINED AS LONG AS CONDITION EXISTS REQUIRING PUMP MAINTENANCE TO RESET.
- ③ MOISTURE RELAY TO BE SUPPLIED BY PUMP MANUFACTURER AS NEEDED TO DETECT SEAL FAILURE. INSTALL AND WIRE PER MANUFACTURER'S REQUIREMENTS PRIOR TO FACTORY TESTING AND DELIVERY TO JOB SITE.



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AUSTIN CREEK SRA
BULLFROG POND AND POND FARM WATER SYSTEM
ELECTRICAL WELL MOTOR
ELEMENTARY DIAGRAM

207907.18

SHEET NO.
E3.3

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FACILITIES AND
DEVELOPMENT DIVISION



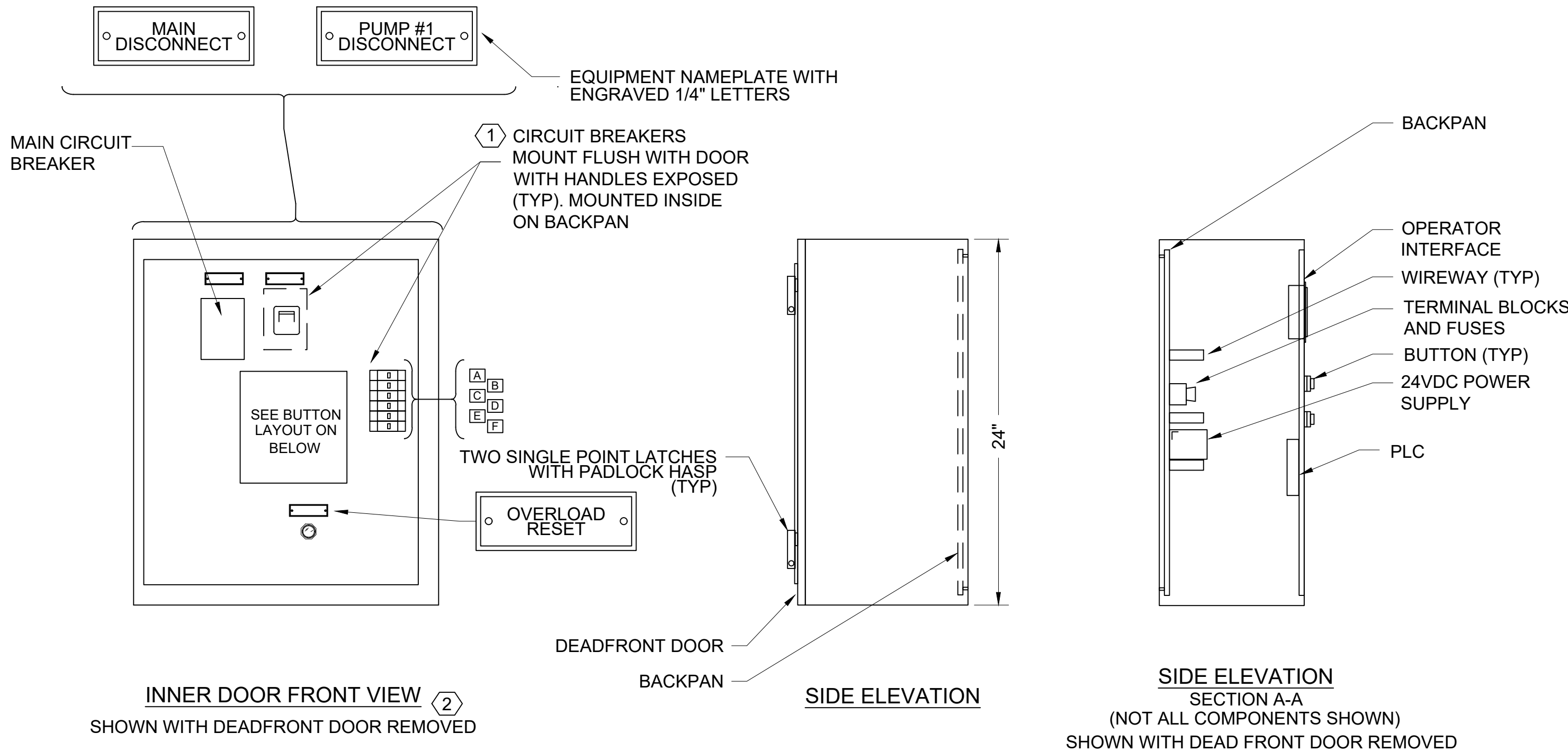
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CERTIFICATION #	
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AUSTIN CREEK SRA
BULLFROG POND AND POND FARM WATER SYSTEM
**ELECTRICAL WELL PUMP CONTROL
PANEL ELEVATION**

207907.19
SHEET NO. E3.4 19 OF 25



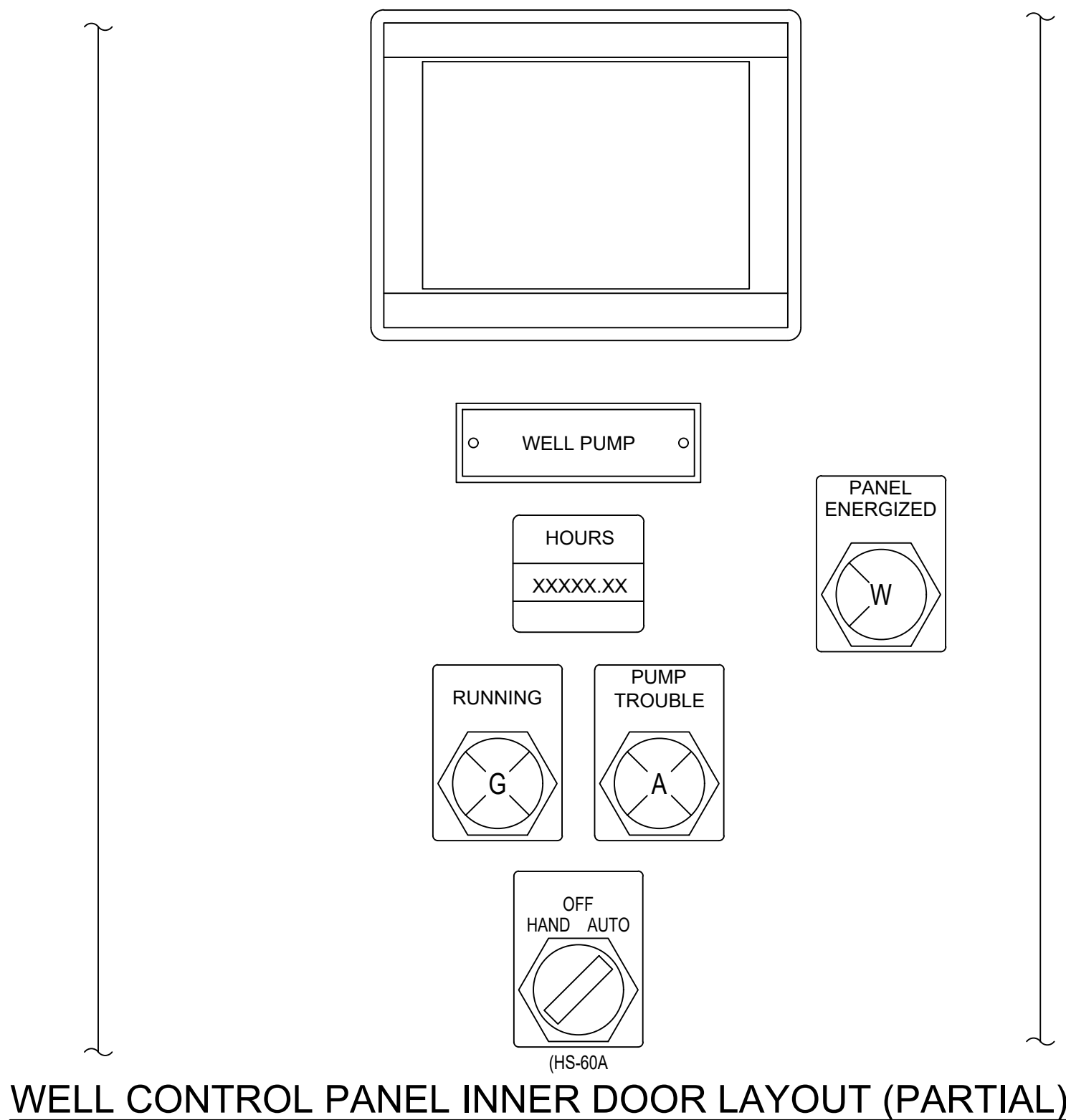
PANEL FABRICATION METHODS

1. NEMA 4X 316 STAINLESS STEEL FOR WALLMOUNT INSTALLATION.
2. ALL SEAMS CONTINUOUS WELDED.
3. DOORS TO HAVE TOOL-LESS SINGLE POINT LATCHES.
4. DOOR HINGES AND PINS SHALL BE 316 STAINLESS STEEL.
5. NO SCREWS, RIVETS, OR BOLTS SHALL PROTRUDE EXTERNALLY.
6. INTERNAL SCREWS, BOLTS, AND NUTS SHALL BE MACHINE THREAD.
7. PLASTIC SCREW MOUNTED NAMEPLATES SHALL BE PROVIDED FOR ALL DEVICES ON DEADFRONT SCREWS SHALL BE STAINLESS STEEL.
8. FABRICATION AND WIRING SHALL CONFORM TO U.L. AND NEMA STANDARDS.
9. ALL WIRING SHALL BE PERMANENTLY LABELLED WITH WIRE MARKERS ON BOTH ENDS.
10. WIRING DIAGRAMS SHALL BE PLACED IN A PLASTIC DRAWING HOLDER PERMANENTLY ATTACHED TO THE INSIDE OF THE FRONT DOOR.
11. AS - BUILT WIRING DIAGRAMS SHALL BE SHIPPED WITH EQUIPMENT.

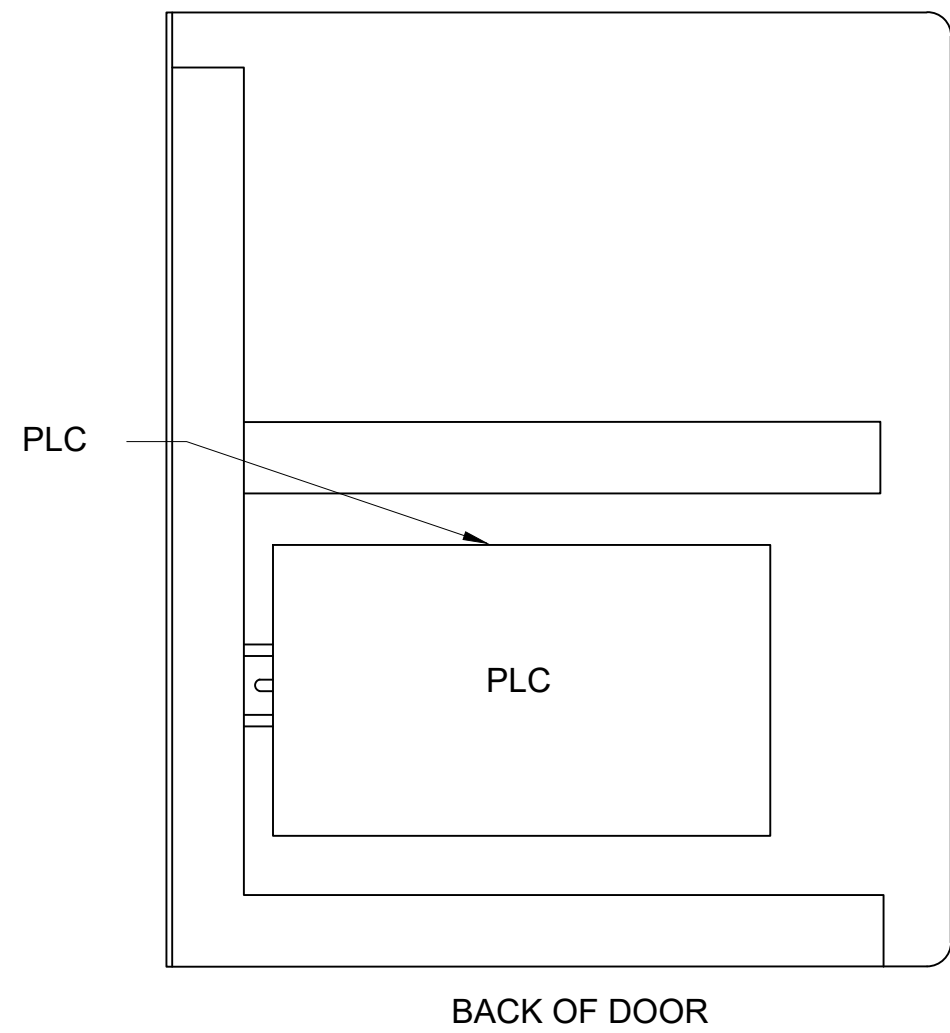
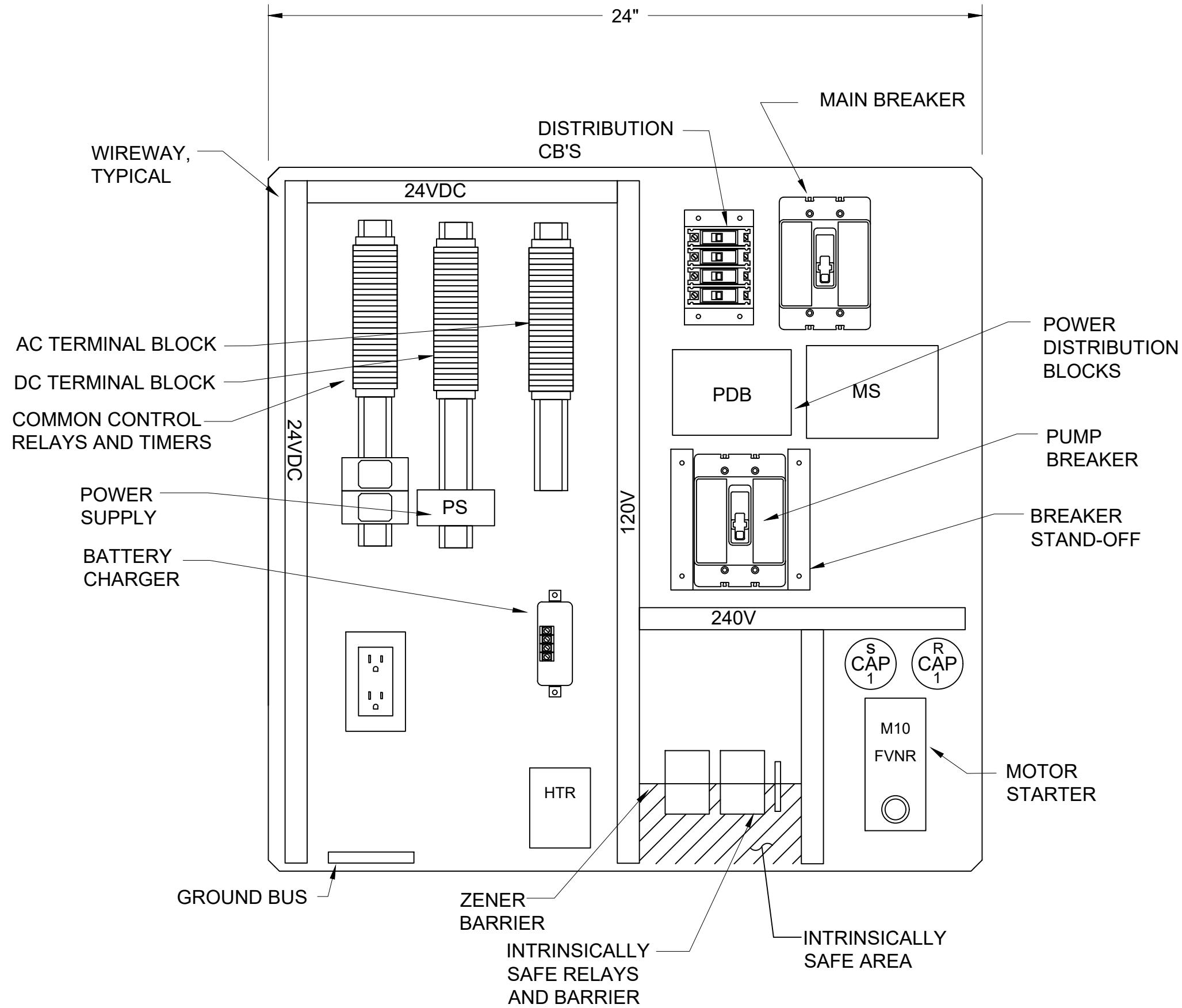
CONTROL PANEL ELEVATION (1)

DRAWING REFERENCED NOTES:

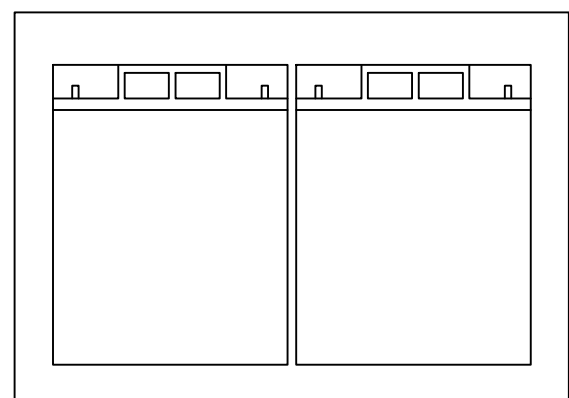
- (1) RATINGS FOR BREAKERS AND STARTERS PER STATION ONE-LINE DRAWINGS.
- (2) PANEL SHALL BE HOFFMAN CONCEPT ENCLOSURE HINGED, NEMA 4, 14GA PAINTED STEEL MODEL NUMBER C-SD242410 AND C-P2424 OR EQUAL. PROVIDE LATCHES, BACKPANS, DEADFRONTS AND OTHER PARTS TO COMPLETE PANELS. PLUG ANY HOLES IN PANEL WITH CARRIAGE BOLTS.



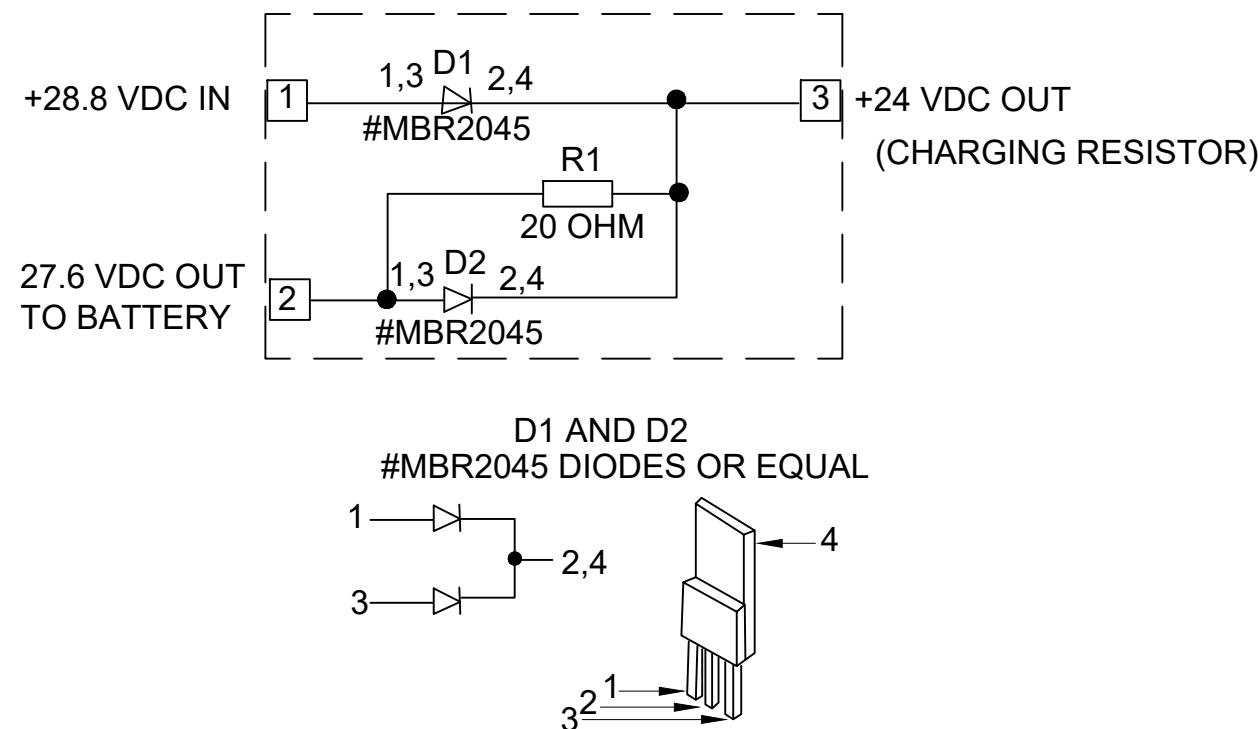
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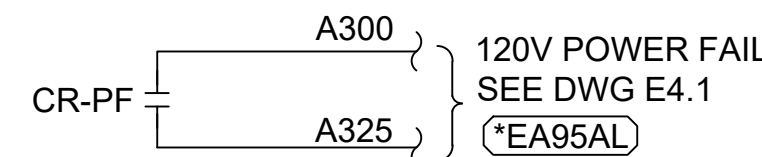
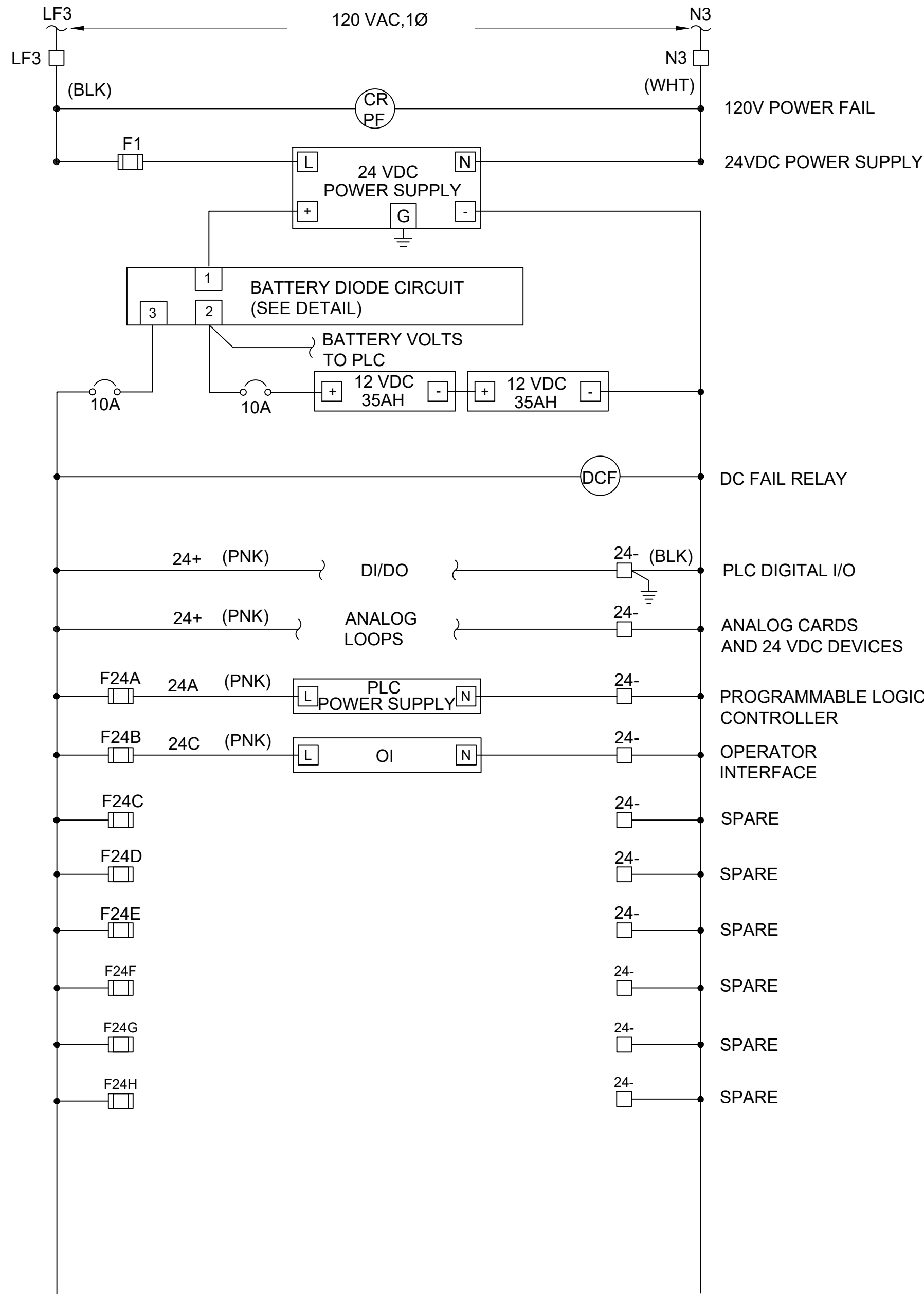
WELL CONTROL PANEL BACKPAN LAYOUT



BATTERY CABINET



BATTERY DIODE CIRCUIT DETAIL



POWER DISTRIBUTION BLOCK SCHEMATIC ①

DRAWING REFERENCED NOTES:

- ① DISTRIBUTION DIAGRAM REPRESENTATIVE OF MAJOR COMPONENTS ONLY. ADDITIONAL FUSES, CIRCUITS AND COMPONENT CONNECTIONS MAY BE REQUIRED FOR A FUNCTIONAL SYSTEM.

GENERAL NOTES:

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FACILITIES AND DEVELOPMENT DIVISION

OFFICE OF THE STATE FIRE MARSHAL
APPROVED FIRE AND PANIC ONLY



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CHECKED: NSC
DATE: 03-30-26

REVISIONS	DATE

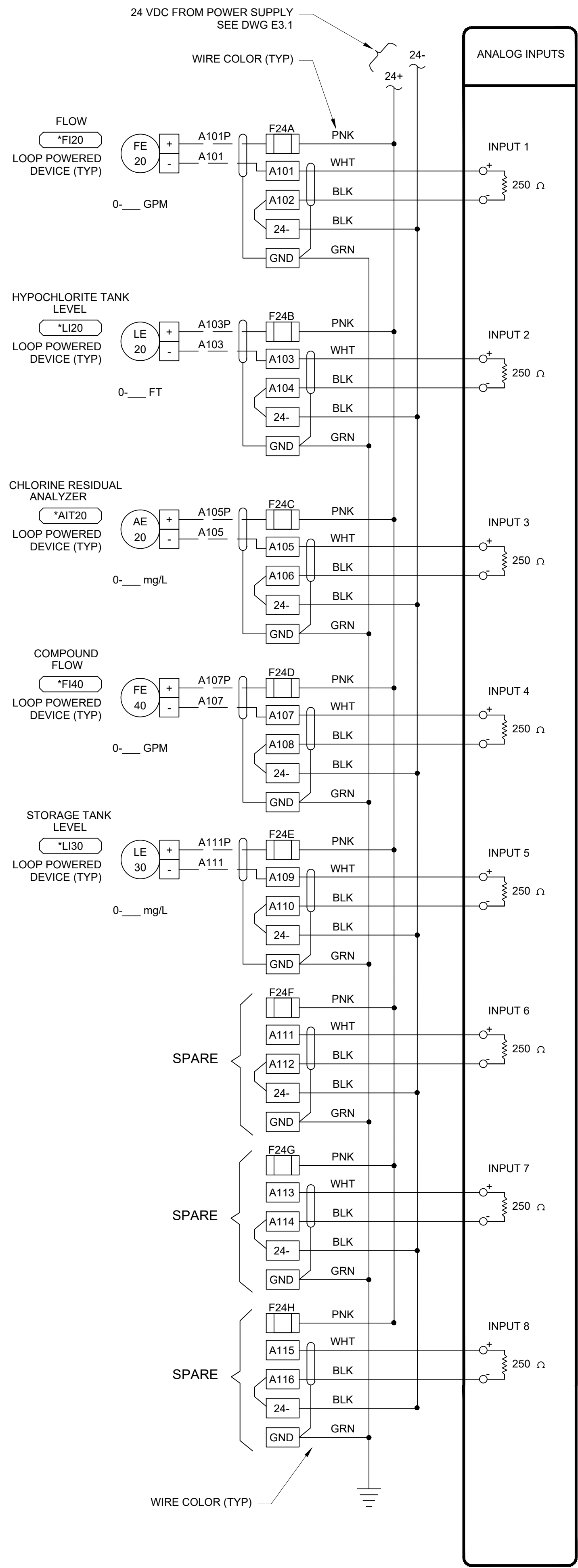
AUSTIN CREEK STATE RECREATION AREA
BULLFROG POND AND POND FARM WATER SYSTEM
ELECTRICAL WELL CONTROL
PANEL LAYOUT

207907.20

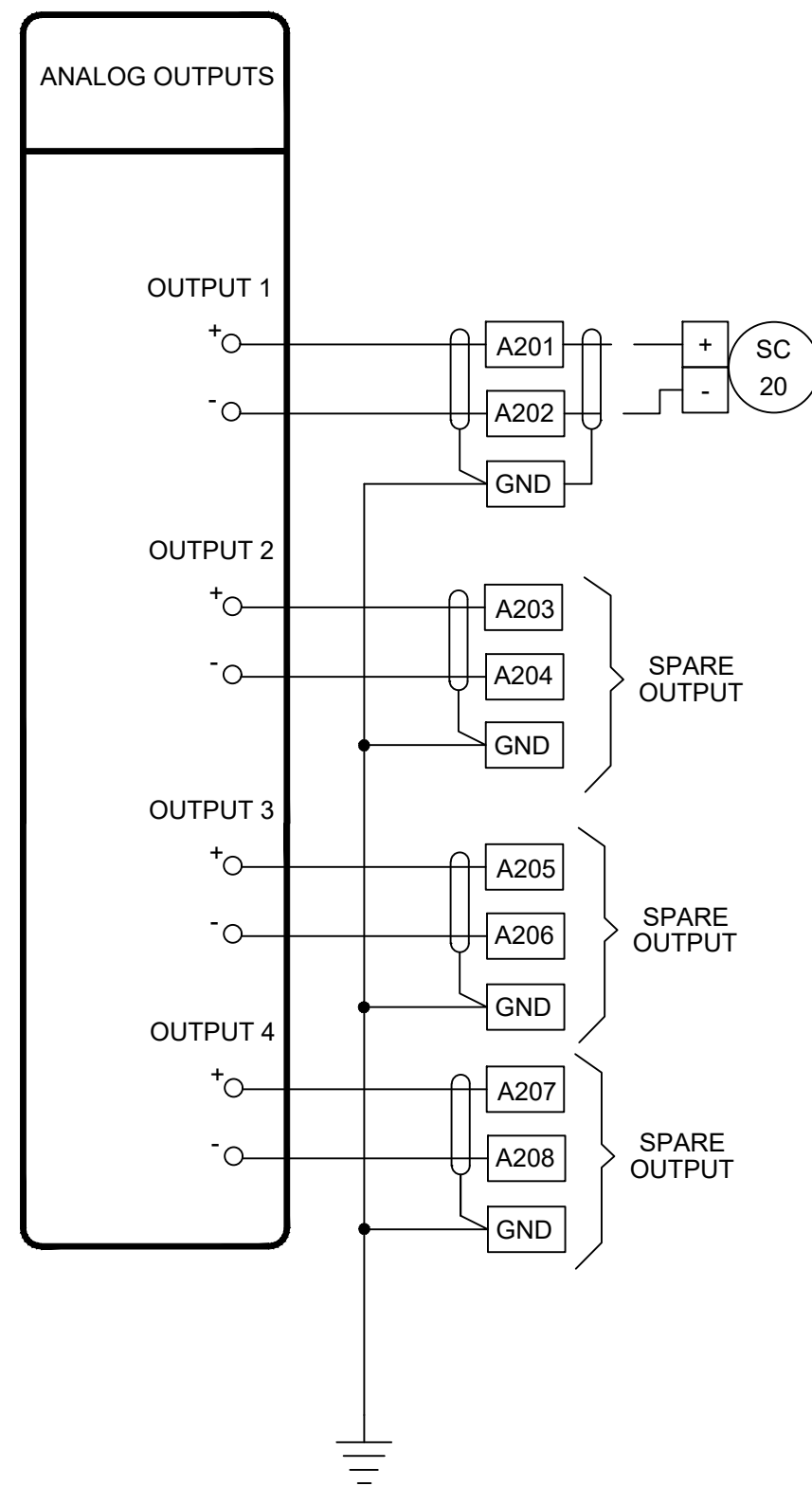
SHEET NO.
E3.5

20 OF 25

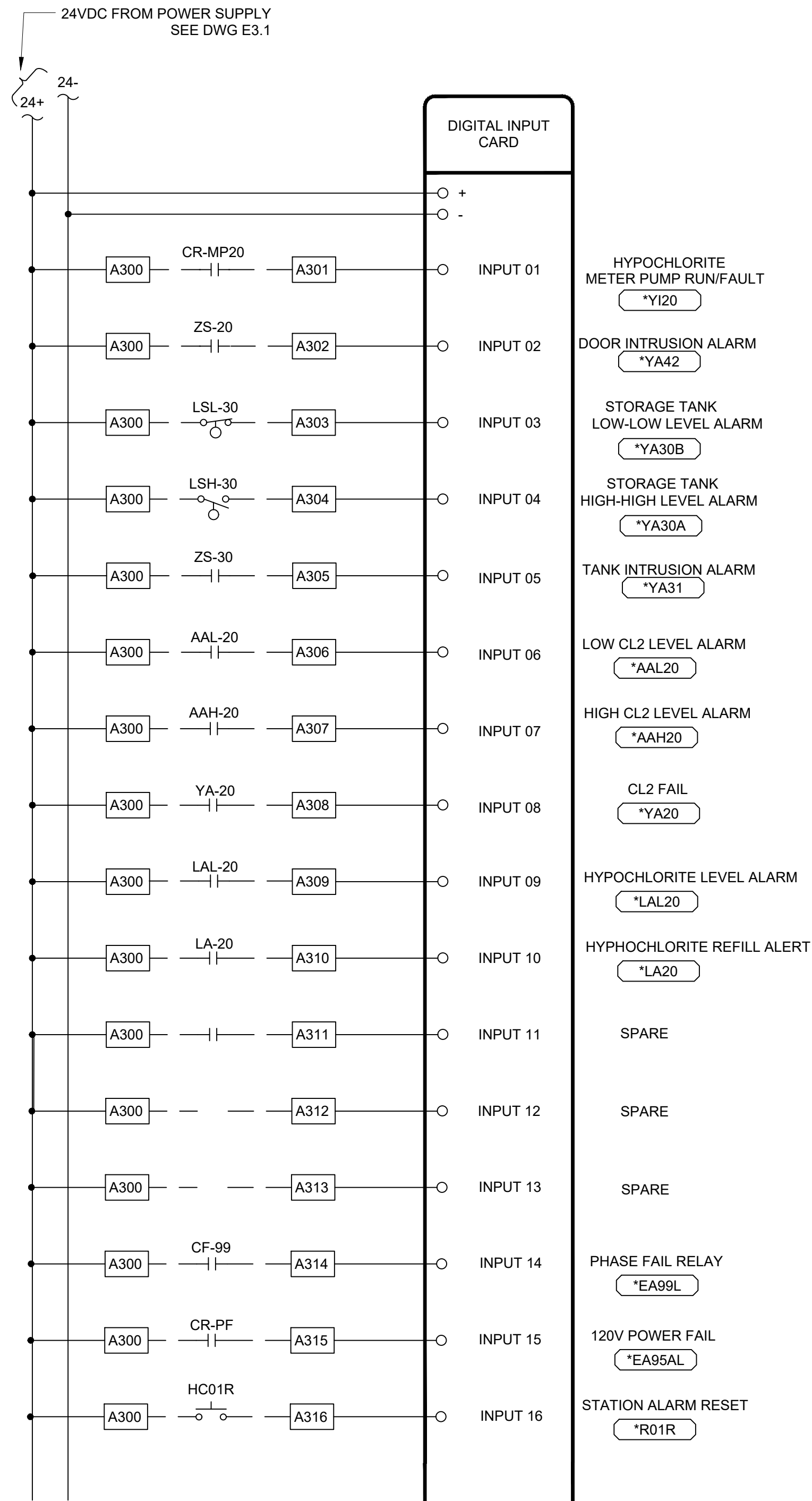
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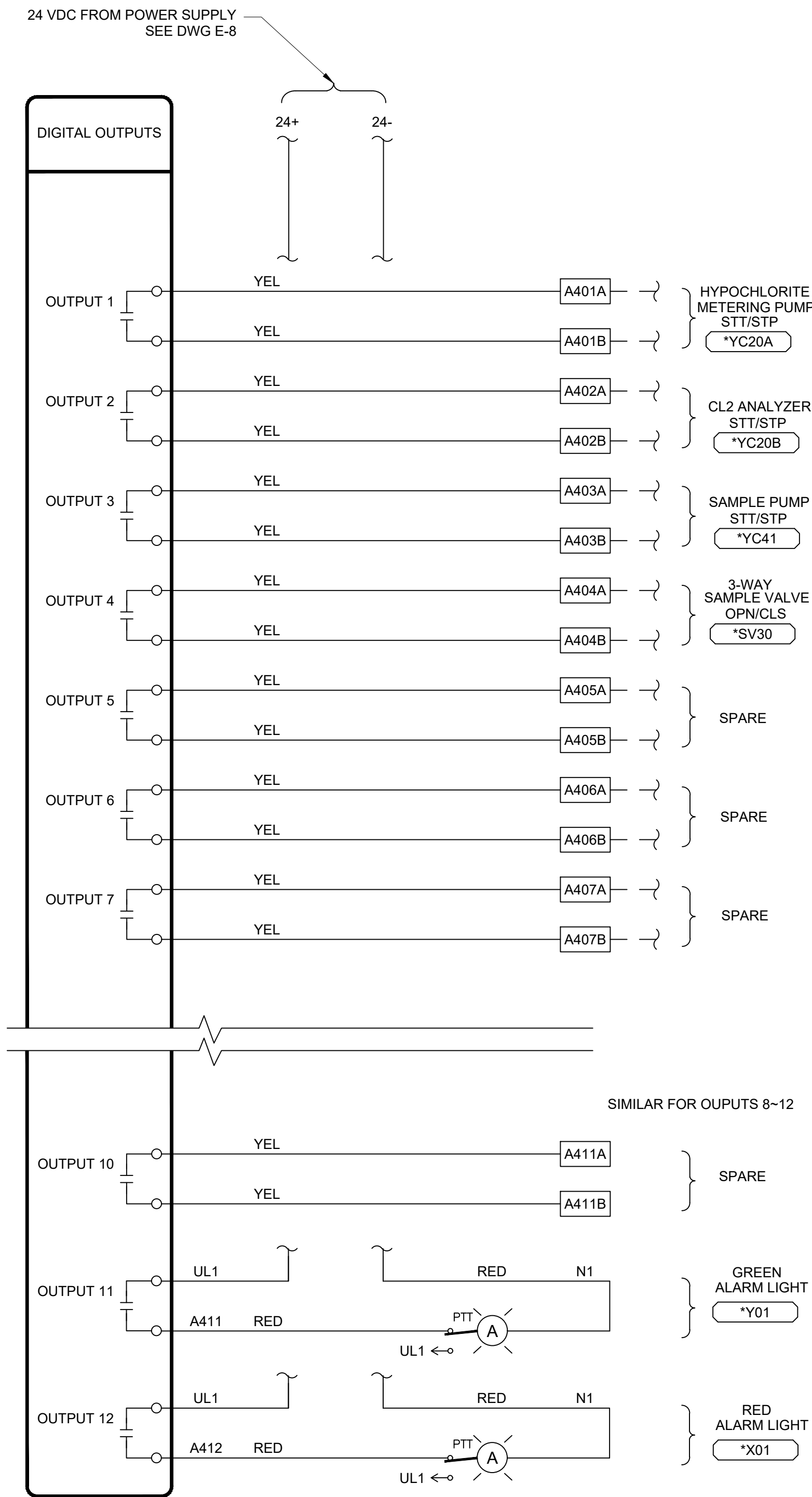
TREATMENT AI CARD



TREATMENT AO CARD



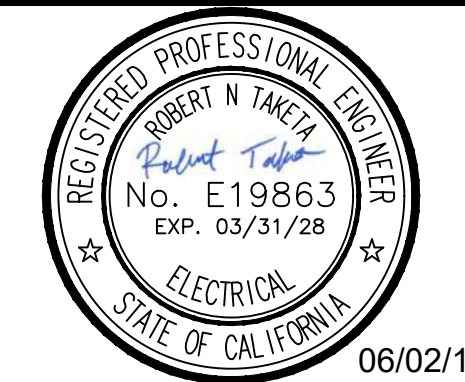
TREATMENT DI CARD



DO CARD



FACILITIES AND
DEVELOPMENT DIVISION



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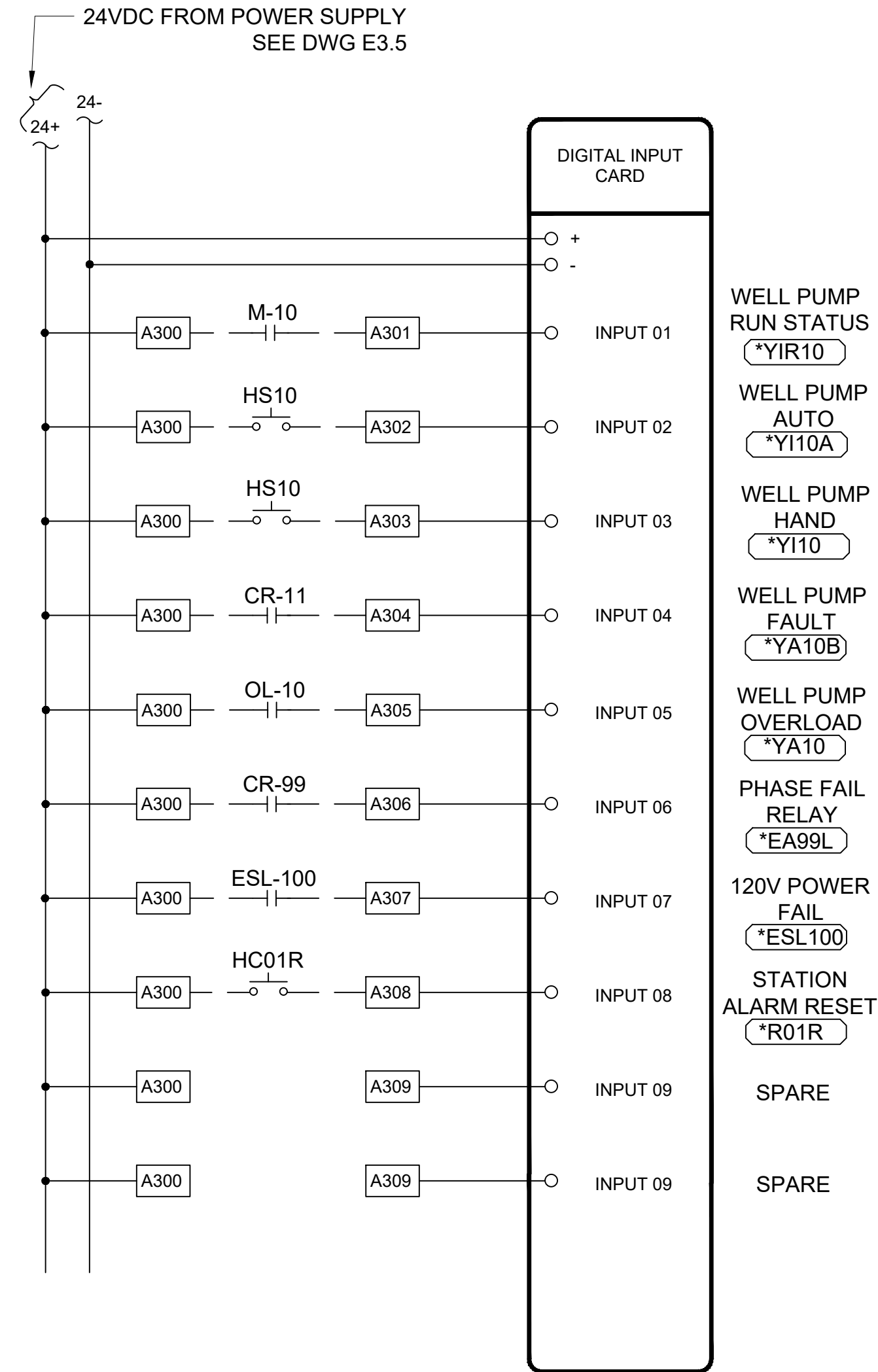
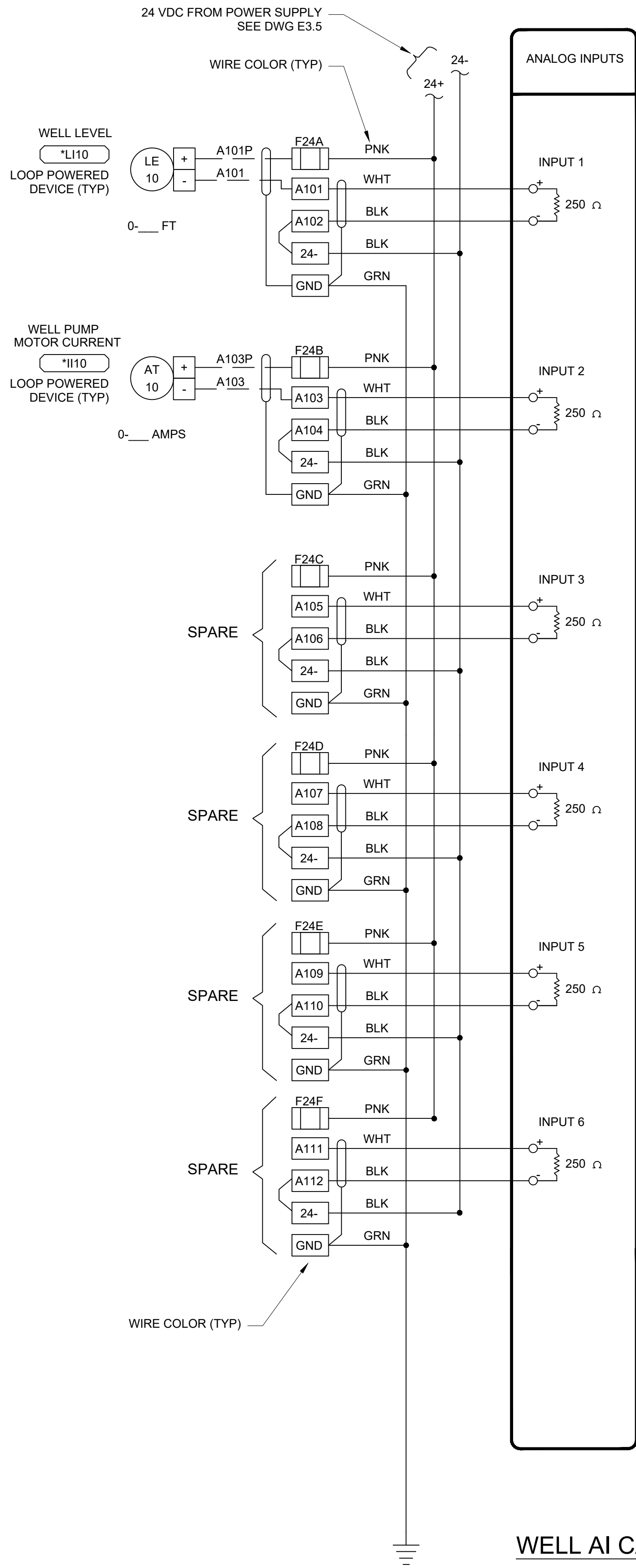
AUSTIN CREEK SRA
BULLFROG POND AND POND FARM WATER SYSTEM
ELECTRICAL TREATMENT PLC I/O
DIAGRAMS

207907.21

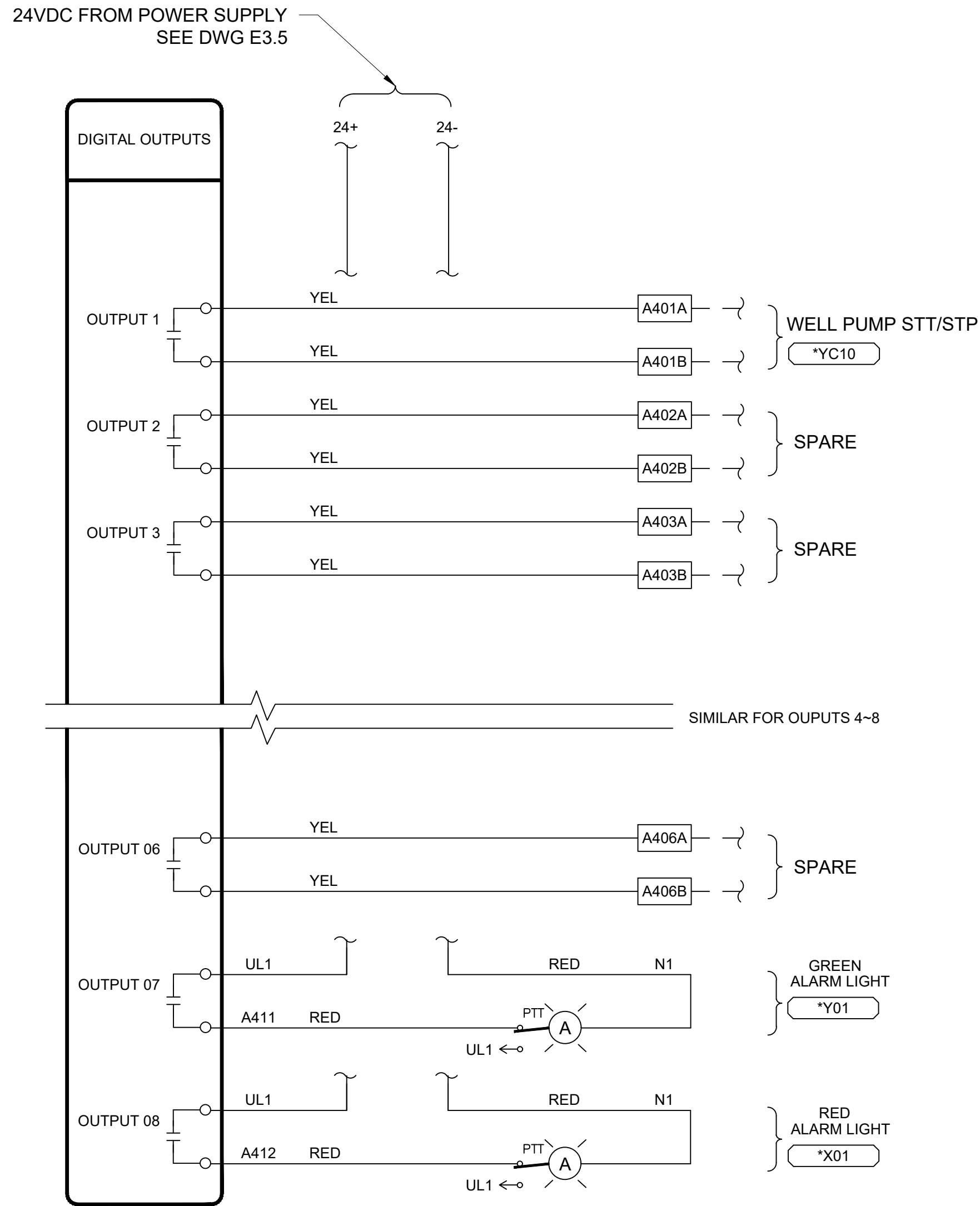
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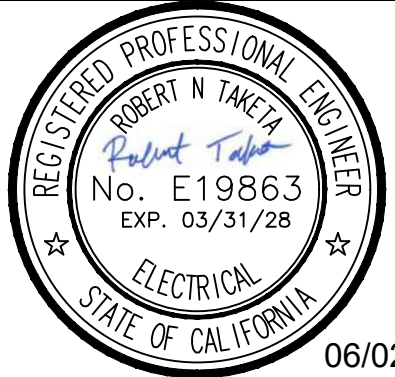
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WELL DI CARD



FACILITIES AND
DEVELOPMENT DIVISION



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DRAWN: RT

CHECKED: NSC

DATE: 03-30-26

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AUSTIN CREEK SRA
BULLFROG POND AND POND FARM WATER SYSTEM

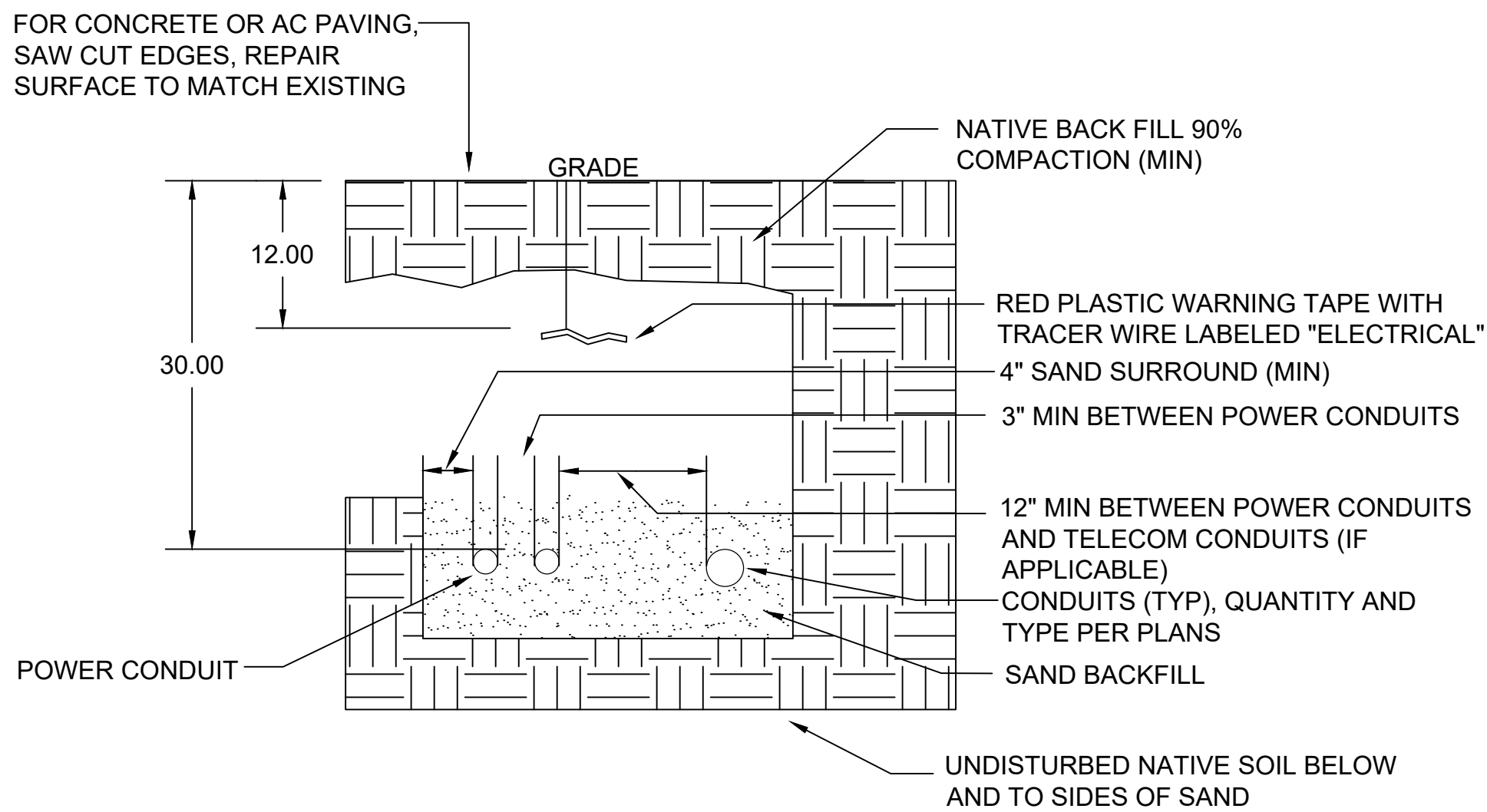
ELECTRICAL WELL PLC I-O
DIAGRAMS

207907.22

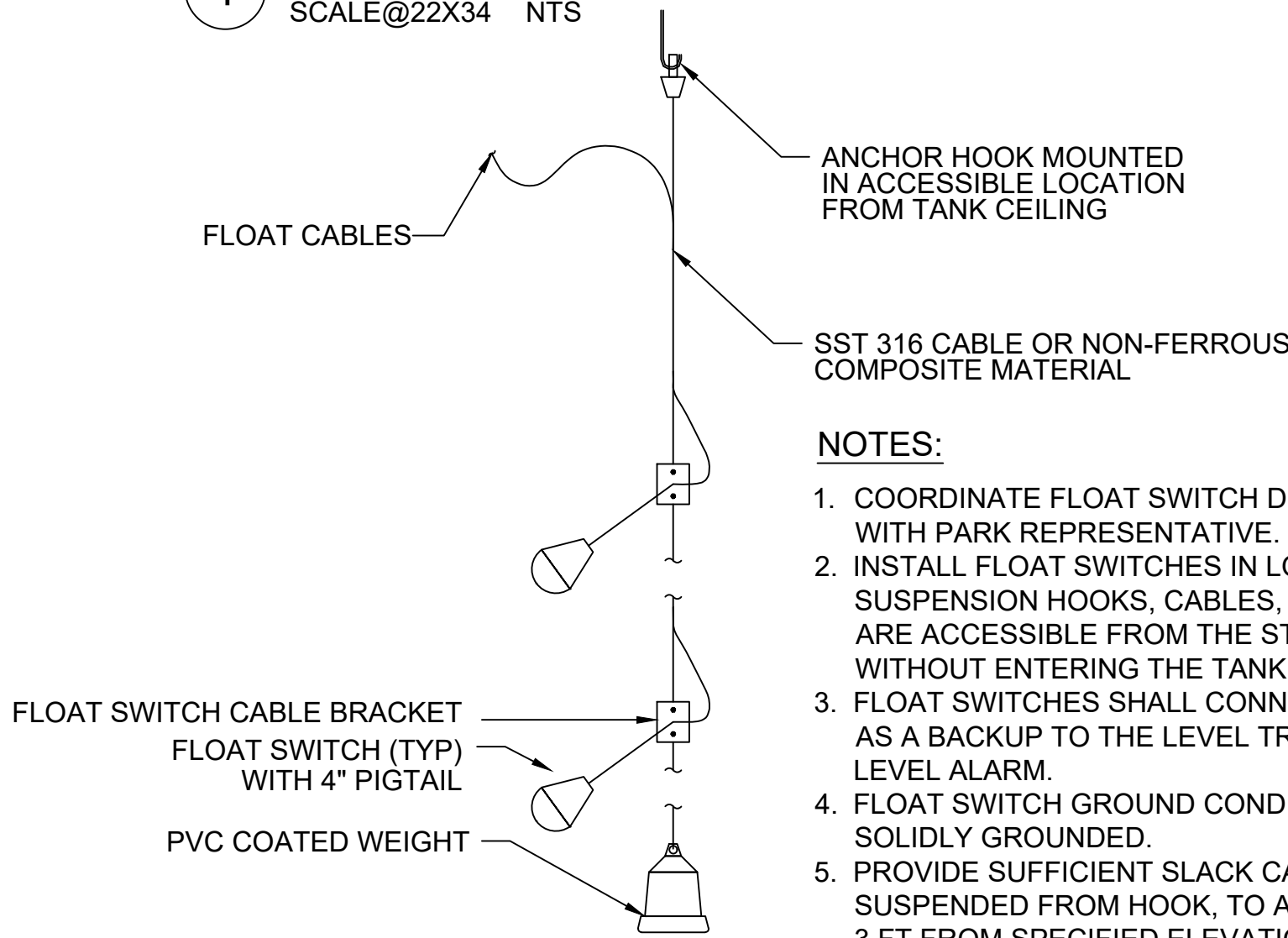
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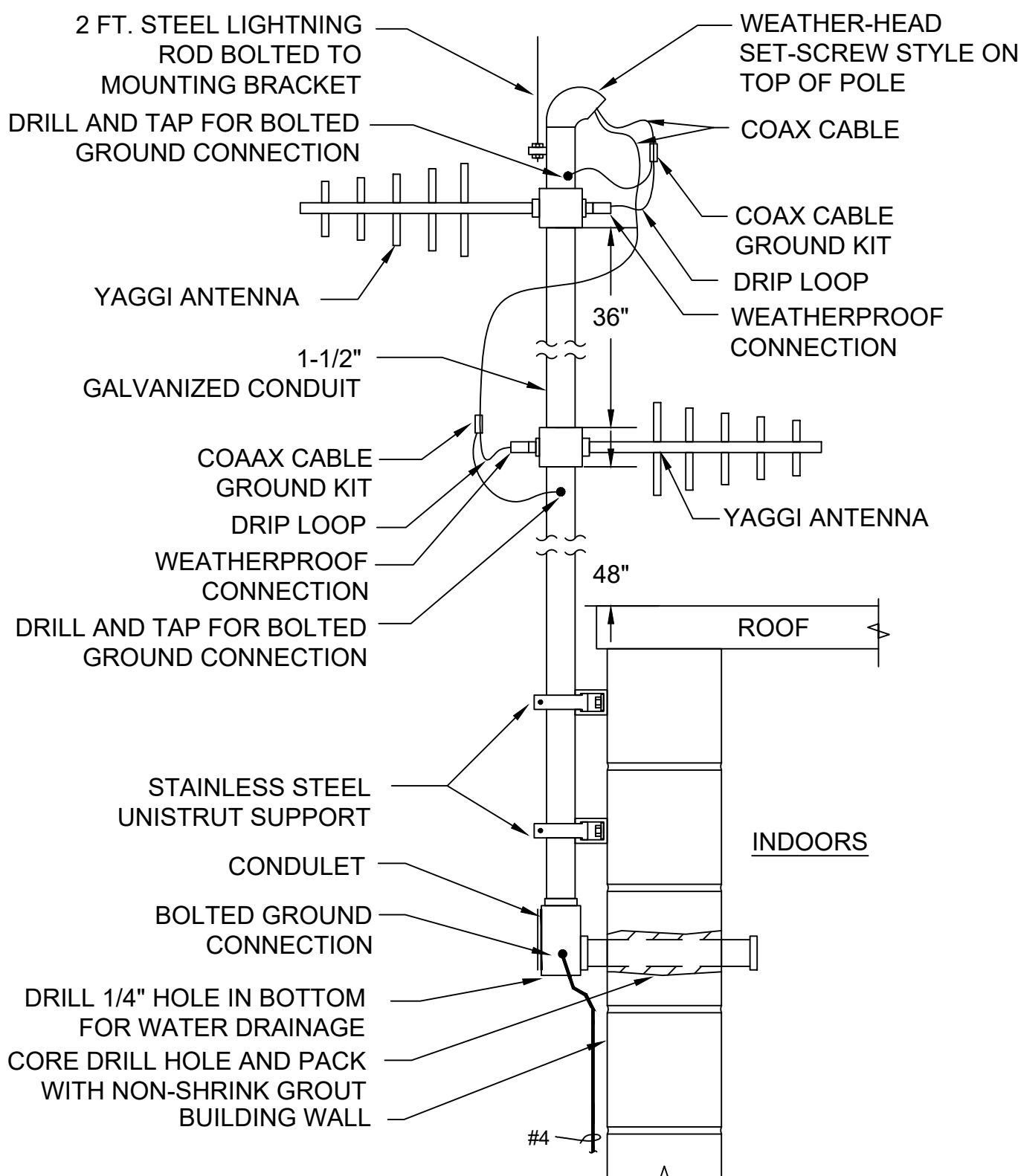
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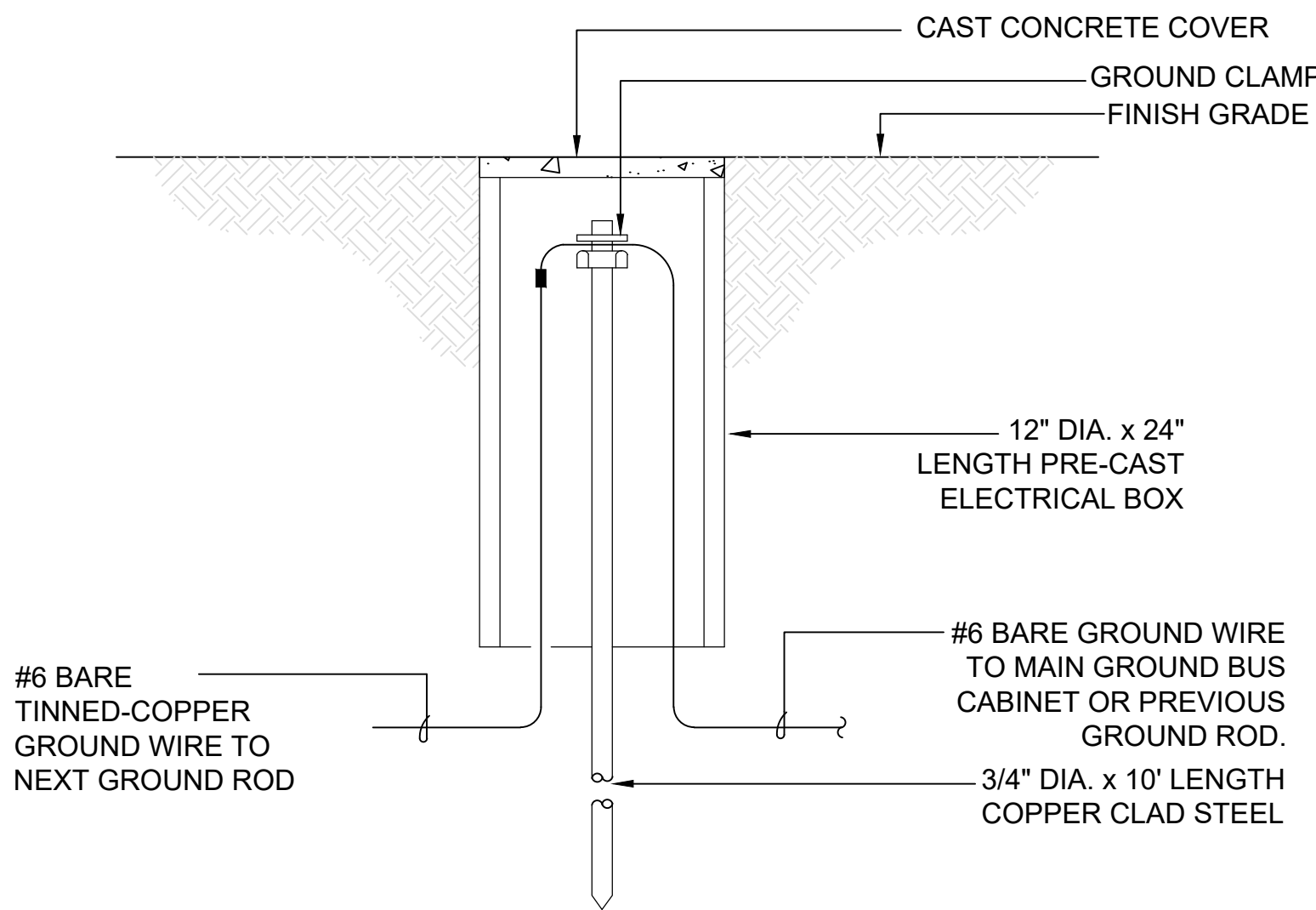
1 POWER CONDUIT TRENCH DETAIL
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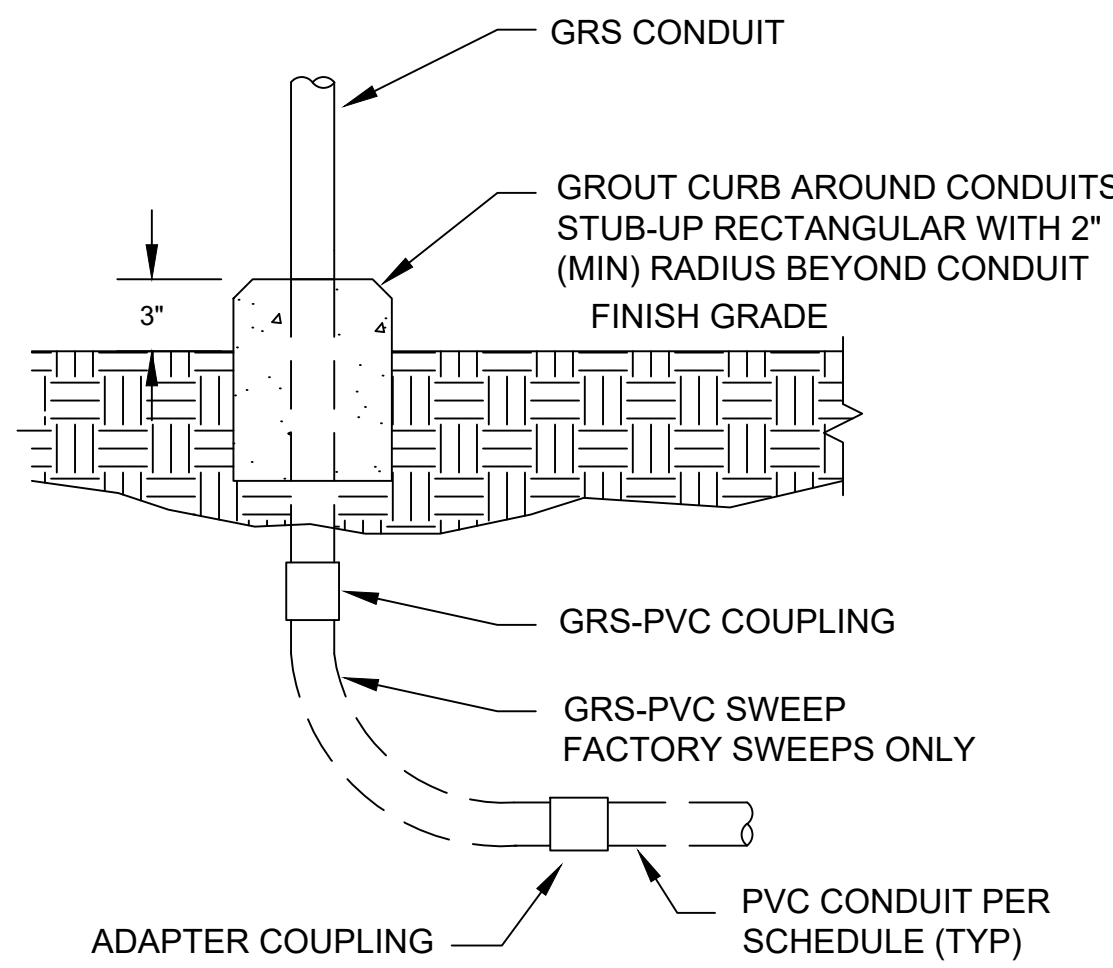
4 FLOAT SWITCH DETAIL
SCALE@22X34 NTS



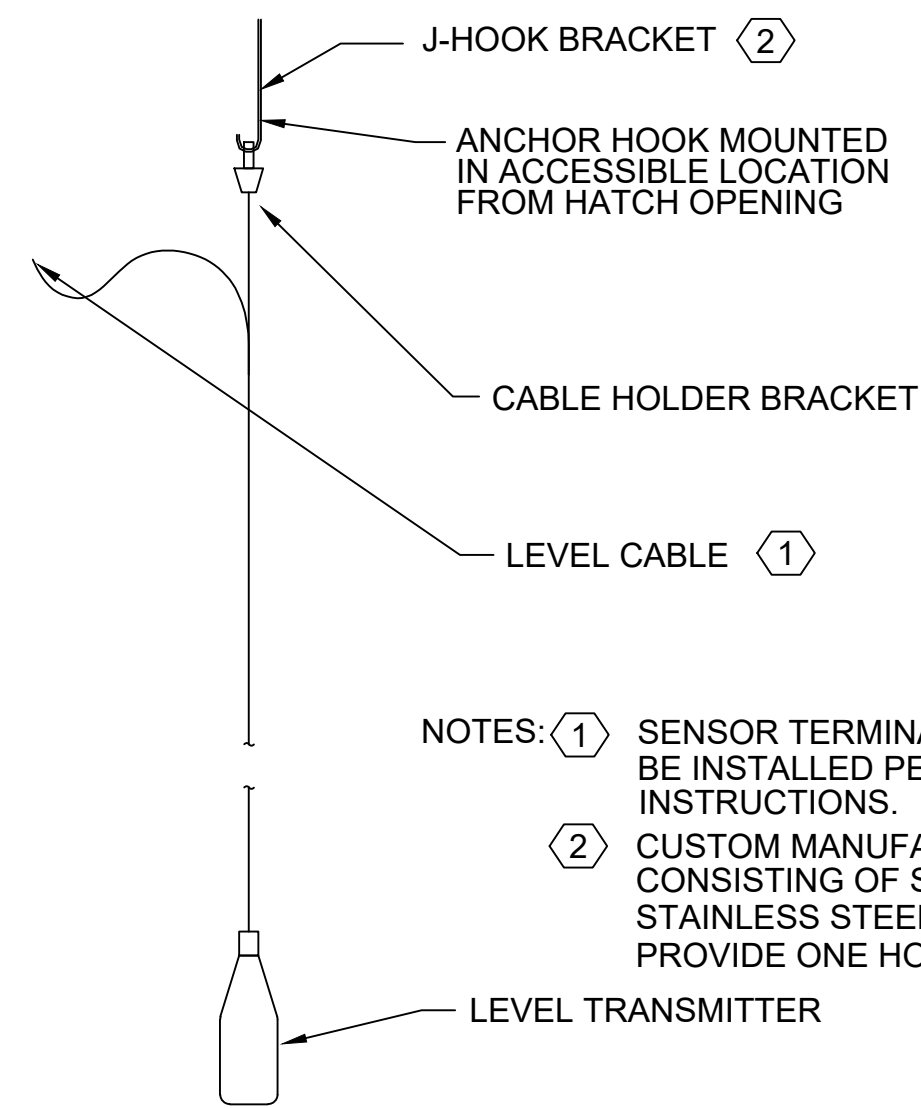
7 BUILDING MOUNTED ANTENNA DETAIL
SCALE@22X34 NTS



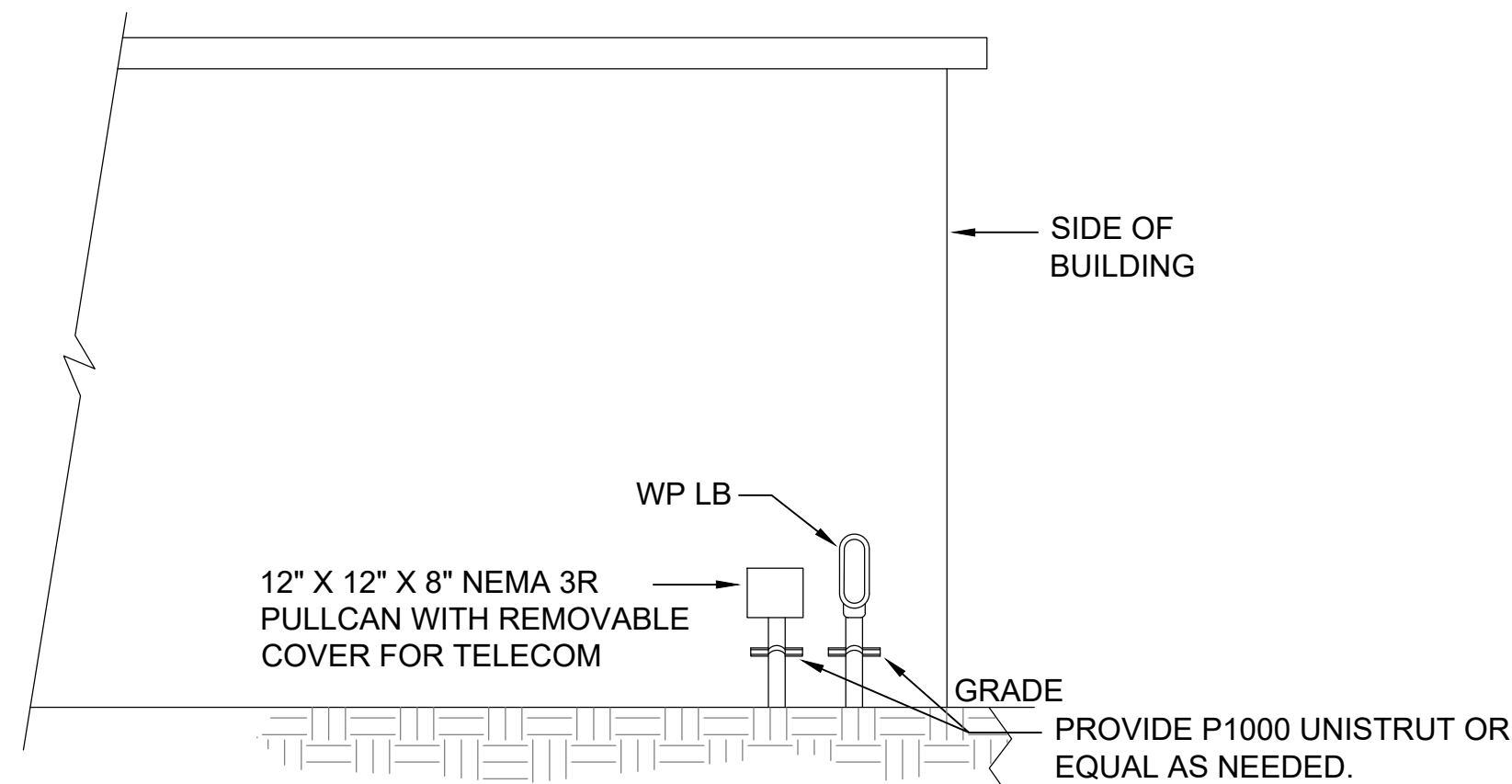
2 GROUND ROD DETAIL
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5 CONDUIT STUB UP DETAIL
SCALE@22X34 NTS



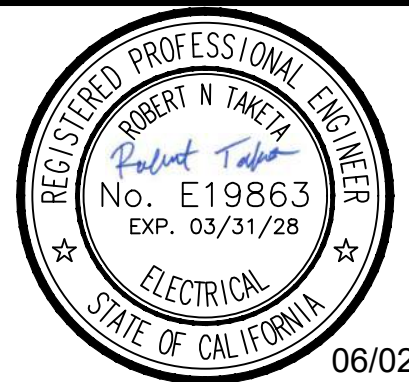
3 LEVEL TRANSMITTER DETAIL
SCALE@22X34 NTS



6 CONDUIT ELEVATION DETAIL
SCALE@22X34 NTS



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DATE:	03-30-26

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AUSTIN CREEK STATE RECREATION AREA
BULLFROG POND AND POND FARM WATER SYSTEM

ELECTRICAL DETAILS

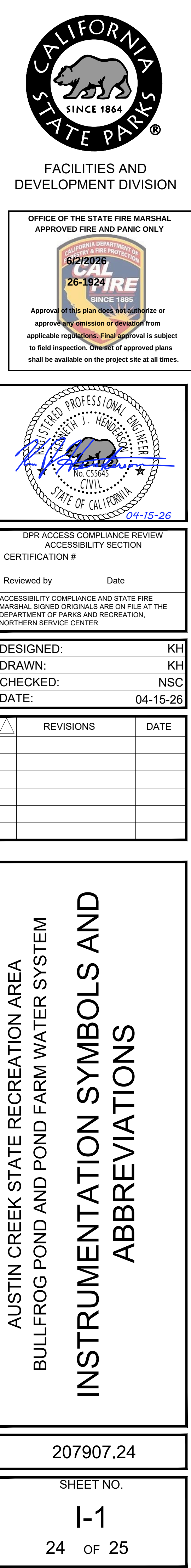
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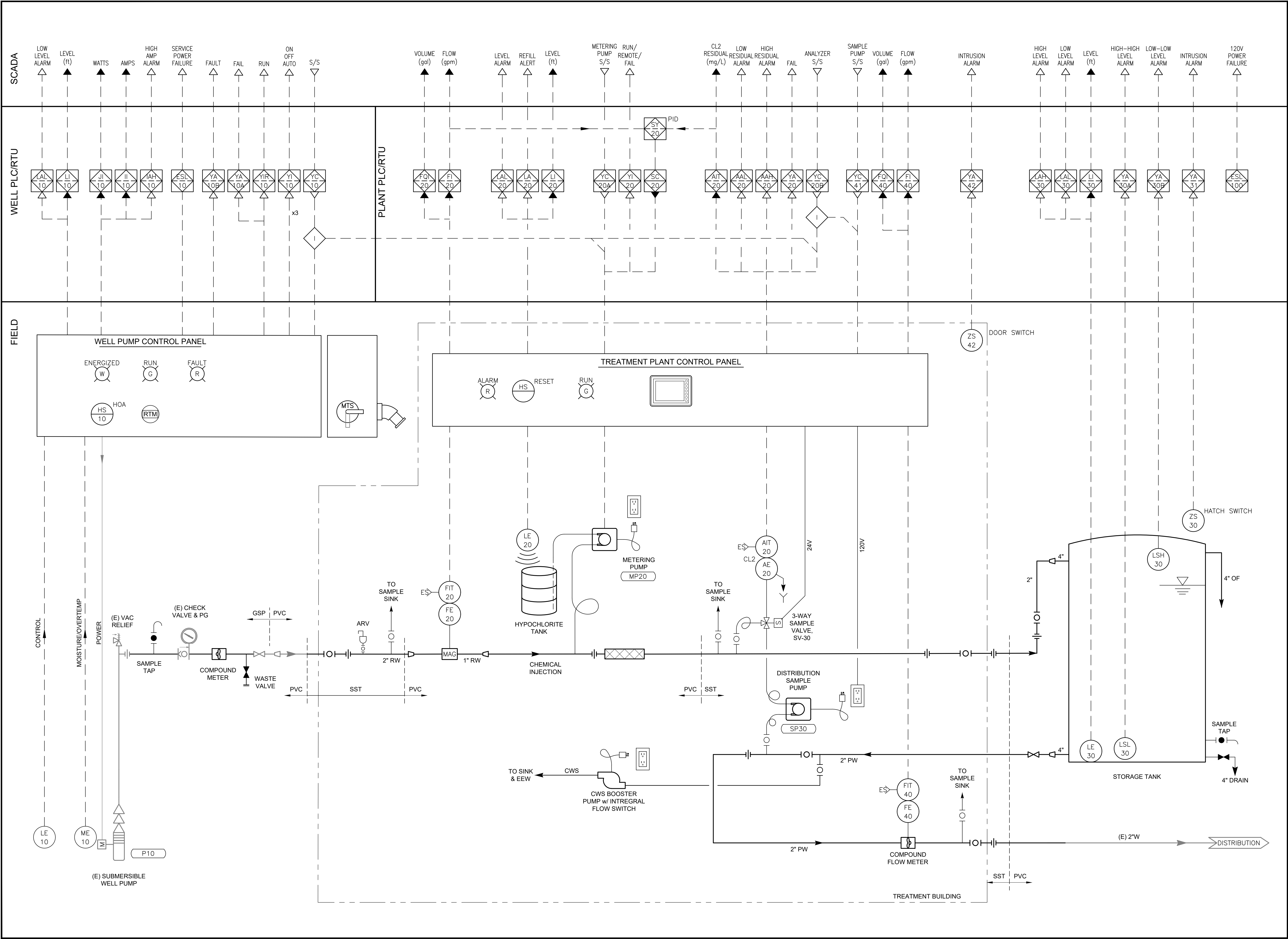
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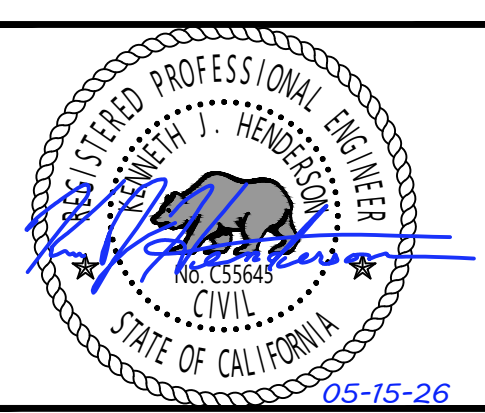
INSTRUMENTATION SYMBOLS		FLOW AND LEVEL ELEMENTS		VALVES & FITTINGS		P&ID ABBREVIATIONS		INSTRUMENT IDENTIFICATION LETTERS					
FIELD MOUNTED INSTRUMENT		MAGNETIC FLOW METER		NO NC BALL OR CURB VALVE		PERCENT SPEED		FIRST LETTER SUCCEEDING LETTERS					
INSTRUMENT MOUNTED ON DOOR OF FIELD PANEL		COMPOUND FLOW METER		GATE VALVE		AMPS, AMBER		MEASURED OR INITIATING VARIABLE MODIFIER READOUT OR PASSIVE FUNCTION OUTPUT FUNCTION MODIFIER					
INSTRUMENT MOUNTED INSIDE FIELD PANEL				DIAPHRAGM VALVE		ANALOG INPUT		A ANALYSIS ALARM					
INSTRUMENT MOUNTED ON DOOR OF LOCAL PANEL				PLUG VALVE		BLACK		B BURNER, COMBUSTION USER'S CHOICE USER'S CHOICE USER'S CHOICE					
INSTRUMENT MOUNTED INSIDE LOCAL PANEL				GLOBE VALVE		BOOSTER PUMP		C USER'S CHOICE CONTROL CLOSED					
SHARED DISPLAY, SHARED CONTROL, FIELD MOUNTED				3-WAY VALVE		CONDUCTIVITY		D USER'S CHOICE DIFFERENTIAL					
SHARED DISPLAY, SHARED CONTROL, PRIMARY LOCATION - NORMALLY ACCESSIBLE TO OPERATOR				BUTTERFLY VALVE		DIRECT CURRENT		E VOLTAGE SENSOR (PRIMARY ELEMENT)					
PROGRAMMABLE LOGIC CONTROL, PRIMARY LOCATION - NORMALLY ACCESSIBLE TO OPERATOR		EQUIPMENT		CHECK VALVE		DIFFERENTIAL PRESSURE		F FLOW RATE RATIO (FRACTION)					
PROGRAMMABLE LOGIC CONTROL, PRIMARY LOCATION - NORMALLY NOT ACCESSIBLE TO OPERATOR				DOUBLE-DISK CHECK VALVE		EMERGENCY STOP		G USER'S CHOICE GLASS, VIEWING DEVICE					
INSTRUMENT FUNCTIONS SHARING COMMON HOUSING		METERING/SAMPLE PUMP		BALL CHECK VALVE		GROUND		H HAND HIGH					
CONTROL INTERLOCK AS DEFINED IN CONTROL DESCRIPTION		INLINE CENTRIFUGAL PUMP		PRESSURE RELIEF VALVE		FAILURE		I CURRENT INDICATE					
INDICATOR LIGHT (STATUS OR ALARM)		INLINE STATIC MIXER		VACUUM RELIEF VALVE		FAIL CLOSED		J POWER SCAN					
ON SCREEN DIGITAL STATUS INDICATION		SUBMERSIBLE WELL PUMP		AIR-VACUUM VALVE		FAIL LAST POSITION		K TIME, TIME SCHEDULE TIME; RATE OF CHANGE CONTROL STATION					
I/O TAG DESCRIPTION				FOOT VALVE		FAIL OPEN		L LEVEL LIGHT LOW					
DIGITAL INPUT				DRAIN		FLOAT SWITCH		M MOISTURE/LEAK MOMENTARY MIDDLE, INTERMEDIATE					
DIGITAL OUTPUT				PIPE UNION		FULL VOLTAGE NON-REVERSING		N USER'S CHOICE USER'S CHOICE USER'S CHOICE USER'S CHOICE					
ANALOG INPUT				PIPE REDUCER		GROUND		O USER'S CHOICE ORIFICE RESTRICTION					
ANALOG OUTPUT				SAMPLE TAP		GREEN		P PRESSURE, VACUUM POINT (TEST) CONNECTION					
POWER SOURCE ES = ELECTRICAL SUPPLY CA = COMPRESSED AIR IA = INSTRUMENT AIR HYD = HYDRAULIC				E = ELECTRIC P = PNEUMATIC S = SOLENOID		INPUT/OUTPUT INDICATOR		Q QUANTITY INTEGRATE, TOTALIZE					
CURRENT TRANSMITTER				MAIN PROCESS SECONDARY PROCESS AUXILIARY PROCESS DOUBLE CONTAINMENT FLEXIBLE TUBING ELECTRICAL SIGNAL PNEUMATIC SIGNAL HYDRAULIC SIGNAL SOFTWARE OR DATA LINK CAPILLARY SIGNAL SIGNAL CONNECTION CROSSOVER - NO CONNECTION CONTINUED FROM DWG I - ## CONTINUED ON DWG I - ##		INTRINSICALLY SAFE RELAY		R RADIATION RECORD					
MECHANICAL RUNTIME METER						LEAD-LAG		S SPEED, FREQUENCY SAFETY SWITCH </					



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FACILITIES AND DEVELOPMENT DIVISION



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AUSTIN CREEK STATE RECREATION AREA
BULLFROG POND AND POND FARM WATER SYSTEM
**PROCESS & INSTRUMENTATION
DIAGRAM**

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SHEET NO.
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