ABBREVIATIONS:

BEGIN CURVE

MANHOLE **ASPHALT CONCRETE** MONUMENT MON. AGGREGATE BASE APPROX. APPROXIMATELY ORIGINAL GROUND AIR RELEASE VALVE AVE. AVENUE PROPOSED

 PORTLAND CEMENT CONC. - BACKFLOW VALVE BFV PROPERTY LINE POWER POLE CURB AND GUTTER PRESSURE REDUCING VALVE CENTER LINE POINT OF TANGENCY CLEAN OUT TO GRADE

POINT OF CURVATURE

 PUBLIC UTILITY ESMT. CURB RETURN CULV. CULVERT RIGHT-OF-WAY SCHEDULE DRIVEWAY

STORM DRAIN - SHEET END CURVE SANITARY SEWER - ELEVATION - ELBOW EDGE OF PAVEMENT - STANDARD - EASEMENT SIDEWALK - EXISTING EXP. EXPIRES

 TOP BACK OF WALK FLARED END SECTION - TOE OF SLOPE FIRE HYDRANT TOP OF SLOPE FLOW LINE TELEPHONE POLE - FLANGE SEWER FORCE MAIN VERTICAL FND. - FOUND

GRADE BREAK WATER WATER METER HORIZONTAL WELDED STEEL PIPE HIGH POINT WV - WATER VALVE

 IRON PIPE LIP OF GUTTER L.S. - LONG SWEEP

- INVERT

INTERSECTION

LEGEND

FOUND MONUMENT ◆ BENCHMARK ----- CENTERLINE --- --- EASEMENT

UTILITY REPRESENTATIVES

UTILITY	COMPANY	CONTACT	PHONE
SEWER	CITY OF COLUSA PUBLIC WORKS	STAFF	(530) 458-4941
DRAINAGE	CITY OF COLUSA PUBLIC WORKS	STAFF	(530) 458-2215
WATER	CITY OF COLUSA PUBLIC WORKS	STAFF	(530) 458-4941
IRRIG. WATER	CITY OF COLUSA PUBLIC WORKS	STAFF	(530) 458-4941
FIRE	COLUSA FIRE DEPARTMENT	STAFF	(530) 458-5890
CABLE TV	COMCAST	AGENT	(800) 934-6489
ELECTRICAL	PACIFIC GAS & ELECTRIC (PG&E)	STAFF	(877) 743-7782
GAS	PACIFIC GAS & ELECTRIC (PG&E)	STAFF	(877) 743-7782
PHONE	AT&T	STAFF	(855) 637-9525
USA	UNDERGROUND SERVICE ALERT	STAFF	(800) 227-2600

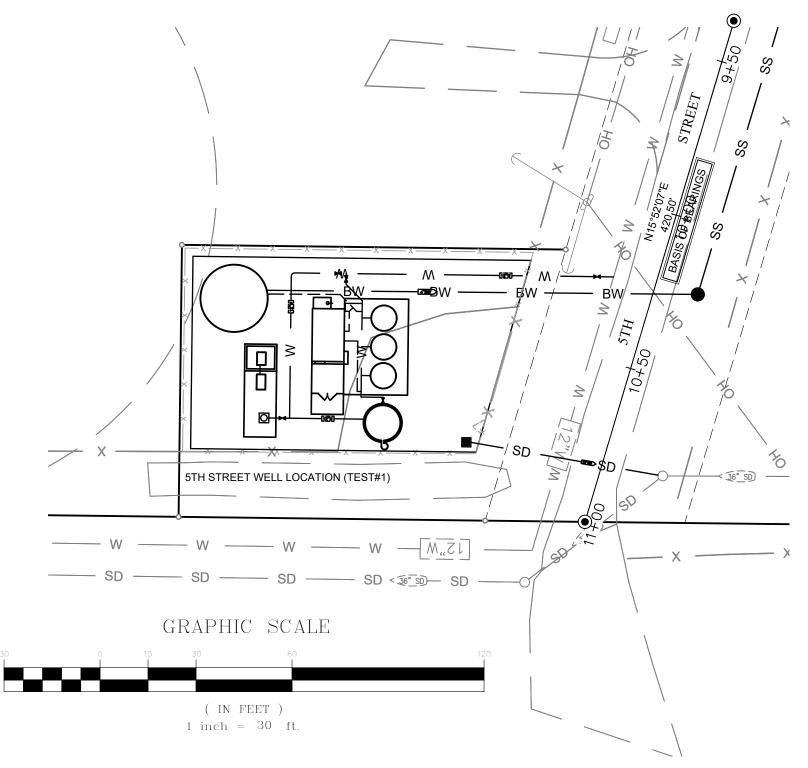
CITY OF COLUSA WATER WELL CONSTRUCTION PROJECT

CIVIL IMPROVEMENT PLANS

PROJECT NO. 0610002-001C

CITY OF COLUSA, COUNTY OF COLUSA, CALIFORNIA

JULY 2025



CEC GENERAL NOTES

1.) ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO THESE PLANS AND SPECIFICATIONS, CITY OF COLUSA STANDARD PLANS AND SPECIFICATIONS, AND TO THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD PLANS AND SPECIFICATIONS, LATEST EDITION. THE CONTRACTOR SHALL OBTAIN A COPY OF THE CITY'S IMPROVEMENT AND CONSTRUCTION STANDARDS PRIOR TO CONSTRUCTION. IN THE ABSENCE OF A SPECIFICATION FOR AN ITEM IN THESE PLANS AND THE CITY OF COLUSA STANDARD PLANS AND 5.) THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT BEFORE DIGGING (800-227-2600) AT SPECIFICATIONS, ALL APPLICABLE FEDERAL AND STATE LAWS ARE TO BE ADHERED TO AND MEET CURRENT ENGINEERING AND CONSTRUCTION STANDARD PRACTICES TO THE SATISFACTION OF THE CITY ENGINEER.

2.) THE TYPES, LOCATIONS, SIZES, AND DEPTHS OF EXISTING UTILITIES WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. THE CONTRACTOR IS CAUTIONED THAT ONLY ACTUAL EXCAVATIONS WILL REVEAL SUCH INFORMATION. A REASONABLE EFFORT WAS MADE TO DELINEATE UTILITIES, HOWEVER, CALIFORNIA ENGINEERING COMPANY, INC. ASSUMES NO RESPONSIBILITY FOR THE COMPLETENESS AND ACCURACY OF THE LOCATION OF THE EXISTING UTILITIES ON THE PLANS, NOR FOR OTHER UTILITIES THAT MAY BE ENCOUNTERED. THE CONTRACTOR IS HEREBY NOTIFIED THAT HE IS RESPONSIBLE FOR VERIFICATION OF THE LOCATION OF ALL UTILITIES AT THE CONSTRUCTION SITE. IN THE EVENT THAT SUBSTANTIAL DISCREPANCIES ARE FOUND, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER FOR DIRECTION.

3.) IN THE EVENT THERE IS A DISCREPANCY OR TYPOGRAPHICAL ERROR WITHIN THESE PLANS, OR REQUEST FOR INFORMATION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY FOR DIRECTION. THE CONTRACTOR IS HEREBY NOTIFIED THAT THE ENGINEER SHALL BE ALLOWED A MINIMUM OF TWO WORKING DAYS TO ADDRESS THE ISSUE.

4.) ONLY SIGNED PLANS BY ALL PARTIES INVOLVED SHALL BE CONSIDERED APPROVED. THE CONTRACTOR SHALL NOT BEGIN WORK BEFORE THE PLANS HAVE BEEN APPROVED. THE CONTRACTOR SHALL HAVE ALL PERMITS AND APPROVED PLANS ON-SITE AT ALL TIMES DURING CONSTRUCTION.

LEAST 72 HOURS BEFORE BEGINNING WORK.

6.) IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WORK WITH ALL SUBCONTRACTORS, UTILITY COMPANIES, AND THE CITY OF COLUSA.

7.) THE CONTRACTOR SHALL CONTACT THE CITY OF COLUSA PUBLIC WORKS DEPARTMENT AT LEAST 48 HOURS IN ADVANCE/PRIOR TO COMMENCEMENT OF WORK.

8.) ADJACENT STREET FRONTAGES SHALL BE SWEPT AT LEAST ONCE A DAY TO REMOVE SILT AND OTHER DIRT WHICH IS EVIDENT FROM CONSTRUCTION ACTIVITIES. 9.) ALL TESTING IS THE RESPONSIBILITY OF THE CONTRACTOR AND ALL REQUIRED TESTS SHALL BE

COORDINATED AND APPROVED BY THE PROJECT ENGINEER AND CITY OF COLUSA. 10.) ADDITIONAL NOTES AND DETAILS ARE LOCATED ON THE FOLLOWING SHEETS.

11.) OWNER, NOT THE ENGINEER, SHALL BE RESPONSIBLE FOR OBTAINING ANY AND ALL LOCAL, STATE, AND FEDERAL APPROVALS AND PERMITS ASSOCIATED WITH WORK SHOWN IN THESE PLANS, AND ASSUMES ALL LIABILITY ASSOCIATED THEREWITH.

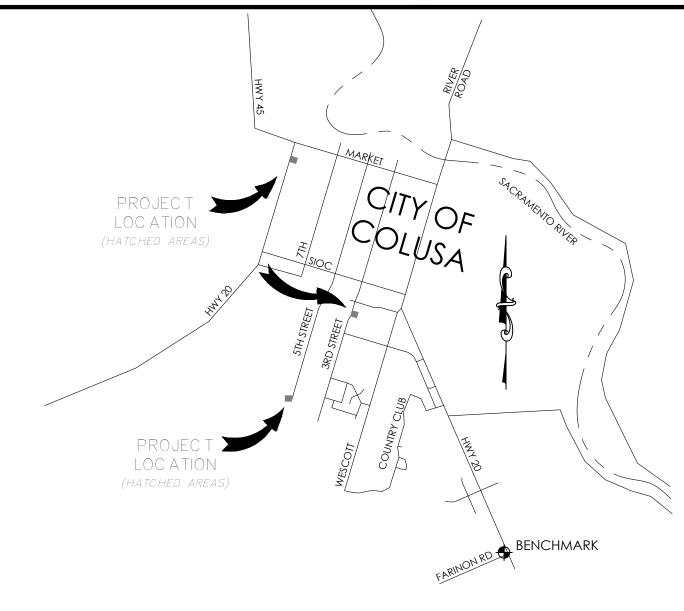
12.) CONTRACTOR TO FIELD VERIFY ALL EXISTING ELEVATIONS AND INVERTS ON ALL EXISTING UTILITIES PRIOR TO INSTALLATION OF ANY PIPE.

BASIS OF BEARINGS:

SEE SHEETS C1 THRU C4

VERTICAL DATUM:

THE ELEVATION DATUM OF THIS PROJECT IS THE BENCHMARK "COLIND" LOCATED AT THE NORTHEAST CORNER OF FARINON ROAD AND STATE ROUTE 20, APPROXIMATELY 70 FEET FROM SR 20 CENTERLINE. THE BENCHMARK ELEVATION IS 48.7 FEET NAVD88.



SHEET INDEX:

G1 COVER SHEET G2 GENERAL NOTES & LEGENDS G3 OVERALL PROJECT SITE PLAN C1 SITE PLAN - 5TH STREET (TEST #1)

C1.1 5TH STREET- SEWER CONNECTION C2 SITE PLAN - CITY WELL #5 C3 SITE PLAN - CITY WELL #6

WELL DETAILS D2 WELL AND SITE DETAILS TREATMENT DETAILS TREATMENT DETAILS

TREATMENT DETAILS D6 AIR STRIPPER DETAILS GENERATOR AND BUILDING DETAILS

E4 SCADA DIAGRAMS, SPECS, AND NOTES

D8 BUILDING DETAILS D9 BUILDING DETAILS D10 BUILDING DETAILS D11 BACKWASH TANK DETAILS

D12 BACKWASH TANK DETAILS E1 ELECTRICAL DETAILS E2 ELECTRICAL DETAILS E3 ELECTRICAL DETAILS

CONTRACTOR TO CALL UNDERGROUND SERVICE ALERT (USA) AT 1-800-227-2600, 48 HOURS IN ADVANCE OF EXCAVATION

CITY OF COLUSA PUBLIC WORKS

PUBLIC WORKS

CALIFORNIA ENGINEERING COMPANY, INC.

July 22, 2025 DAVID L. SWARTZ, P.E. # 652840 - P.L.S. # 8401 PROJECT ENGINEER P.E. EXP. 12/31/26 - P.L.S. EXP. 06/30/26

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CEC GENERAL NOTES

1.) THE CONSTRUCTION CONTRACTOR SHALL AGREE, THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS AND THE CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD CONSULTING ENGINEER AND THE CITY OF COLUSA HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT. EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE CONSULTING DESIGN PROFESSIONAL OR THE CITY OF

2.) ALL CONSTRUCTION MATERIALS, METHODS AND WORKMANSHIP SHALL CONFORM TO THE CITY OF COLUSA PUBLIC WORKS IMPROVEMENT STANDARDS. ADOPTED LATEST EDITION OF CALTRANS CONSTRUCTION SPECIFICATIONS (RANK SHALL BE IN ABOVE LISTED ORDER WHERE DISCREPANCIES EXIST). ALL WORK IS SUBJECT TO THE APPROVAL OF CITY ENGINEER OR HIS AUTHORIZED REPRESENTATIVE. CERTIFICATION FOR CONFORMANCE WITH CITY SPECIFICATIONS WILL BE REQUIRED FOR ALL MATERIALS USED ON THE PROJECT UNLESS SPECIFICALLY WAIVED BY THE CITY ENGINEER.

3.) THE CONTRACTOR SHALL NOTIFY THE CITY ENGINEER 72-HOURS PRIOR TO COMMENCING WORK AND 24-HOURS PRIOR TO RESUMPTION AFTER INTERRUPTION.

4.) THE CONTRACTOR SHALL OBTAIN ALL NECESSARY ENCROACHMENT PERMITS FOR THE PROJECT, AND BE IN RECEIPT OF SUCH PERMITS AND APPROVED PLANS PRIOR TO THE BEGINNING OF CONSTRUCTION.

5.) THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH ALL CURRENTLY APPLICABLE SAFETY LAWS OF ANY JURISDICTIONAL BODIES. FOR MORE INFORMATION, PLEASE CONTACT THE STATE INDUSTRIAL SAFETY DEPARTMENT (916-455-5818).

6.) THE CONTRACTOR SHALL BE HELD RESPONSIBLE TO SEE THAT ALL SUBCONTRACTORS AND SUPPLIERS HAVE CURRENT COUNTY BUSINESS LICENSES. THE WORK WILL NOT BE ACCEPTED FOR COMPLETION UNTIL SUBMITTAL OF A COMPLETE LIST WITH LICENSE NUMBERS TO THE CITY ENGINEER.

7.) THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF EXISTING PUBLIC AND PRIVATE IMPROVEMENTS WITHIN AND ADJACENT TO THE WORK AND SHALL ADEQUATELY BARRICADE PROJECT TO KEEP THE GENERAL PUBLIC FROM THE SITE. ANY DAMAGE TO CITY OR PRIVATE IMPROVEMENTS SHALL BE REPLACED OR REPAIRED BY THE CONTRACTOR AT HIS EXPENSE TO CURRENT CITY OF COLUSA STANDARDS.

8.) THE CONTRACTOR IS TO EXPOSE THE ENDS OF WATER MAINS, SEWER AND DRAIN LINES AND EXISTING GRAVITY LINES FOR THE SURVEYOR TO VERIFY LOCATION AND DEPTH OF FACILITIES PRIOR TO PLACEMENT

9.) THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPORTING ALL CONFLICTS, ERRORS, OMISSIONS, ETC. TO THE CONSULTING ENGINEER IMMEDIATELY UPON DISCOVERY. IF SO DIRECTED BY THE ENGINEER OR CITY ENGINEER, THE CONTRACTOR SHALL STOP WORK UNTIL MITIGATIONS CAN BE MADE. ANY COSTS INCURRED RESULTING FROM THE CONTRACTOR'S FAILURE TO STOP WORK AS DIRECTED SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

10.) THE CONTRACTOR SHALL AT ALL TIMES COORDINATE HIS WORK WITH THAT OF OTHERS ON THE SITE. THE CONTRACTOR SHALL HAVE A RESPONSIBLE PARTY, WHO SHALL HAVE THE AUTHORITY TO REPRESENT AND ACT ON HIS BEHALF, ON THE JOB SITE DURING ALL WORKING HOURS.

11.) THE CITY OF COLUSA IS A MEMBER OF THE UNDERGROUND SERVICE ALERT (U.S.A.) ONE CALL SYSTEM. THE CONTRACTORS SHALL NOTIFY THE U.S.A. CENTER 48-HOURS IN ADVANCE OF PERFORMING ANY EXCAVATION WORK BY CALLING 1-800-227-2600.

12.) THE CONTRACTOR SHALL MARK IN WHITE PAINT ALL AREAS TO BE EXCAVATED PRIOR TO CONTACTING U.S.A.

13.) CONTRACTOR SHALL SUBMIT TO THE PUBLIC WORKS DEPARTMENT INSPECTOR A COPY OF THE COMPANY ANNUAL CALOSHA TRENCHING PERMIT AND A COPY OF THE COMPANIES LETTER INFORMING CALOSHA OF THE TIME OF TRENCHING PRIOR TO EXCAVATION OF TRENCHES 5' OR DEEPER.

14.) ALL WORK SHALL BE IN ACCORDANCE WITH THE CITY'S NOISE ORDINANCE.

BEFORE COMMENCEMENT OF CONSTRUCTION.

15.) IF ANY AMOUNT OF BONES, STONE OR ARTIFACTS ARE UNCOVERED, WORK WITHIN 165 FEET OF THE AREA SHALL CEASE IMMEDIATELY AND A QUALIFIED ARCHEOLOGIST SHALL BE CONSULTED TO DEVELOP (IF NECESSARY) FURTHER MITIGATION MEASURES TO REDUCE ANY ARCHEOLOGICAL IMPACT TO A LESS THAN SIGNIFICANT EFFECT BEFORE CONSTRUCTION RESUMES IN THE AREA.

16.) CONTRACTOR SHALL PROVIDE THE CITY ENGINEER WITH SUBMITTALS FOR ALL MATERIALS TO BE USED. THE SUBMITTALS SHALL BE DELIVERED TO THE DEPARTMENT OF PUBLIC WORKS A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PRE-CONSTRUCTION CONFERENCE.

17.) CERTIFICATION FOR CONFORMANCE WITH THE CITY OF COLUSA SPECIFICATIONS WILL BE REQUIRED OF ALL MATERIAL USED ON THE PROJECT UNLESS SPECIFICALLY WAIVED BY THE ENGINEER.

18.) CONTRACTOR SHALL ADEQUATELY BARRICADE PROJECT TO KEEP THE GENERAL PUBLIC FROM THE

19.) ALL APPLICABLE FEES TO BE PAID AND PERMITS REQUIRED SHALL BE OBTAINED BY THE CONTRACTOR

20.) A SOILS ENGINEER SHALL BE ENGAGED BY THE OWNER TO CERTIFY THAT THE VARIOUS ITEMS OF COMPACTION COMPLY WITH THE SPECIFICATIONS AND THAT SPECIAL WORK REQUIRED HAS BEEN DONE SATISFACTORILY.

21.) THE CONTRACTOR SHALL USE A WATER TRUCK WHEN REQUIRED TO MAINTAIN ADEQUATE DUST

22.) INTERMEDIATE TRENCH BACK FILL SHALL BE IN MAXIMUM LIFTS OF 8" AND SHALL HAVE A MINIMUM RELATIVE COMPACTION OF 90% OR AS DIRECTED BY THE SOILS ENGINEER. COMPACTION SHALL BE BY MECHANICAL MEANS.

23.) EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE PLANS AND STORM WATER POLLUTION PREVENTION PLAN (SWPPP).

24.) PRIOR TO THE BEGINNING OF EARTHWORK THE CONTRACTOR SHALL CLEAR ALL ROOTS, ORGANIC MATTER, DEBRIS, PAVING. CURB, AND VEGETATION DESIGNATED TO BE SAVED, FROM THE AREA WITHIN WHICH EXCAVATION AND GRADING ARE TO BE CONDUCTED OR STORAGE OF EXCAVATED MATERIALS OR FILL IS TO BE MADE. VEGETATION CLEARED FROM THESE AREAS SHALL BE DISPOSED OF BY THE CONTRACTOR, AND INCLUDED IN THE COST OF CLEARING AND GRUBBING.

25.) IN TRANSITION AREAS FROM ONE STREET WIDTH TO ANOTHER STREET WIDTH, THE HEAVIER STRUCTURAL SECTION SHALL BE USED.

26.) DIMENSIONS SHOWN ON PLANS ARE TO CENTERLINE OF PIPE, UNLESS OTHERWISE NOTED.

CEC GENERAL NOTES CONTINUED

28.) SEWER AND WATER AND SERVICES TO HAVE A MINIMUM 10 FEET HORIZONTAL SEPARATION.

29.) THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING UTILITIES.

30.) CONTRACTOR SHALL POTHOLE ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION TO VERIFY LOCATION AND DEPTH. THE TYPES, LOCATIONS, SIZES AND DEPTH OF EXISTING UTILITIES WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY, THE CONTRACTOR IS CAUTIONED THAT ONLY EXCAVATIONS WILL REVEAL ACTUAL INFORMATION. A REASONABLE EFFORT WAS MADE TO DELINEATE UTILITIES, HOWEVER, CALIFORNIA ENGINEERING COMPANY ASSUMES NO RESPONSIBILITY FOR THE COMPLETENESS, NOR ACCURACY, NOR FOR OTHER UTILITIES WHICH MAY BE ENCOUNTERED. THE CONTRACTOR IS HEREBY NOTIFIED THAT THEY ARE RESPONSIBLE FOR VERIFICATION OF THE LOCATION OF ALL UTILITIES AT THE CONSTRUCTION SITE. IN THE EVENT CONFLICTS EXIST OR SUBSTANTIAL DISCREPANCIES ARE FOUND, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY AND ALLOW 2 WORKING DAYS FOR CHANGE TO BE MADE, COORDINATED AND APPROVED.

GRADING NOTES

1.) A SOILS ENGINEER SHALL CERTIFY THAT THE VARIOUS ITEMS OF COMPACTION AND MATERIALS HAVE BEEN ACCOMPLISHED. GRADING SHALL CONFORM TO CHAPTER 70 UBC, LATEST EDITION, AND TO THE RECOMMENDATION OF THE GEOTECHNICAL ENGINEERING REPORT, AND CITY REQUIREMENTS, WHICH EVER IS GREATER.

2.) ALL COMPACTION TESTING SHALL BE PERFORMED BY A LICENSED GEOTECHNICAL ENGINEER IN ACCORDANCE WITH THE GEOTECHNICAL AND CITY SPECIFICATIONS AND BE PAID FOR BY THE DEVELOPER (OR CONTRACTOR IN CASE OF RE-TESTING). THOSE TESTS WITHIN THE RIGHT-OF-WAY SHALL BE APPROVED BY THE CITY OF COLUSA AND ALL TESTING OUTSIDE THE RIGHT-OF-WAY CERTIFIED BY THE SOILS ENGINEER FOR THE PROJECT. THE RESULTS OF SOIL COMPACTION TESTING SHALL BE SUBMITTED TO THE CITY BI-MONTHLY.

3.) ALL UNSUITABLE AND SURPLUS MATERIAL SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED.

4.) SUFFICIENT EQUIPMENT SHALL BE AVAILABLE TO PROVIDE DUST CONTROL AT ALL TIMES DURING CONSTRUCTION. A WATER TRUCK SHALL BE USED, WHEN REQUIRED, TO MAINTAIN ADEQUATE DUST CONTROL. AREAS SURROUNDING THE WORK SHALL BE KEPT CLEAN AND RETURNED TO ORIGINAL CONDITION UPON COMPLETION OF THE CONTRACT. THE CONTRACTOR SHALL OBTAIN A FIRE HYDRANT WATER METER PRIOR TO COMMENCEMENT OF WORK.

5.) ROUTES TO THE PROJECT SITE FOR HEAVY EQUIPMENT AND MATERIAL SHALL BE APPROVED BY THE CITY ENGINEER.

6.) EROSION CONTROL HYDROSEEDING SHALL BE APPLIED TO ALL GRADED OR DISTURBED SOILS WITHIN THE WORK AREA AFTER COMPLETION OF IMPROVEMENTS OR IF PRACTICAL AFTER GRADING ALSO TO REDUCE DUST.

7.) WINTERIZATION NOTE *THE FOLLOWING ARE REQUIRED IF GRADING AND CLEARING IMPROVEMENTS ARE INCOMPLETE BY OCTOBER 15TH; EROSION PROTECTION ON SLOPES 10:1 OR STEEPER AND SWALES WITH SLOPES 2% OR GREATER. NO SEDIMENT SHALL LEAVE THE PROJECT AREA. GRADE GUTTER SAG POINTS TO DRAIN. PROVIDE FOR DRAINAGE OF IMPROVEMENTS. PREVENT SEDIMENTATION IN EXISTING STORM DRAIN SYSTEM AND CLEAN PIPES PER SECTION SS60-05 (CAL-TRANS SPECS). SEAL OFF ALL SANITARY SEWER CONNECTION TO EXISTING SYSTEMS. IT IS THE CONTRACTORS RESPONSIBILITY TO MAINTAIN WINTERIZATION FACILITIES AT ALL TIMES OR UNTIL IMPROVEMENTS ARE FINAL.

8.) ALL EROSION CONTROL SHALL BE PLACED AS SPECIFIED ON THESE PLANS OR AS SHOWN ON THE

9.) TARPAULINS OR OTHER EFFECTIVE COVERS SHALL BE USED ON ALL STOCKPILED EARTH MATERIAL AND ON HAUL TRUCKS TO MINIMIZE DUST.

10.) THE CITY SHALL HAVE THE AUTHORITY TO STOP ALL GRADING OPERATIONS, IF, IN THE OPINION OF CITY STAFF, INADEQUATE DUST CONTROL MEASURES ARE BEING PRACTICED OR EXCESSIVE WIND CONDITIONS CONTRIBUTE TO FUGITIVE DUST EMISSIONS.

11.) ADJACENT STREET FRONTAGES SHALL BE SWEPT AT LEAST ONCE A DAY TO REMOVE SILT AND OTHER DIRT WHICH IS EVIDENT FROM CONSTRUCTION ACTIVITIES.

12.) THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING CONSTRUCTION VEHICLES LEAVING THE SITE ON A DAILY BASIS TO PREVENT DUST, SILT, AND DIRT FROM BEING RELEASED OR TRACKED OFFSITE.

13.) PRIOR TO INITIATING CLEARING AND GRUBBING ALL PROTECTIVE FENCING SHALL BE INSTALLED.

CONSTRUCTION STAKING

1.) THE PROJECT SURVEYOR EMPLOYED BY THE CITY SHALL PROVIDE ONE (1) SET OF CONSTRUCTION STAKES FOR LINE AND GRADE UNLESS OTHERWISE REQUESTED BY THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING MONUMENTS AND OTHER SURVEY MARKERS DURING CONSTRUCTION. ALL SUCH MONUMENTS OR MARKERS DESTROYED DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTORS EXPENSE.

2.) IN THE EVENT OF A DISAGREEMENT OR DESTROYED STAKE OR MONUMENT, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE SURVEYOR PRIOR TO ANY FURTHER CONSTRUCTION. SURVEYOR: CALIFORNIA ENGINEERING COMPANY, INC.

3.) THE CONTRACTOR SHALL GIVE THE SURVEYOR 72-HOURS NOTICE PRIOR TO EACH PHASE OF CONSTRUCTION OR IN THE EVENT OF NEEDED RESTAKING. PRIOR TO REQUESTING ACCEPTANCE OF IMPROVEMENTS, THE SURVEYOR FOR THIS PROJECT SHALL SET SURVEY MONUMENTS AS SPECIFIED IN THE IMPROVEMENT STANDARDS.

4.) THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING MONUMENTS AND OTHER SURVEY MARKERS.

5.) THE CONTRACTOR SHALL HAVE THE SITE STAKED PRIOR TO CONSTRUCTION OF ANY IMPROVEMENTS TO ENSURE PROPER ALIGNMENTS AND ELEVATIONS. CEC WILL ONLY ENSURE ACCURACY ON ALIGNMENTS AND ELEVATIONS IF IT IS HIRED TO PERFORM CONSTRUCTION STAKING. CEC SHALL NOT BE HELD RESPONSIBLE FOR ALIGNMENT AND ELEVATION ACCURACY IF ANOTHER FIRM PERFORMS THE CONSTRUCTION STAKING.

WATER FACILITIES NOTES

1.) ALL WATER FACILITIES INCLUDING BUT NOT LIMITED TO LINES, SERVICE BOXES, VALVES, AND ALL MISCELLANEOUS APPURTENANCES SHALL CONFORM TO THE CITY OF COLUSA PUBLIC WORKS IMPROVEMENT STANDARDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY INFORMATION, REQUIREMENTS, AND DRAWINGS NECESSARY TO BID AND COMPLETE THE WORK SHOWN ON THESE PLANS AND INSTALLED PER MANUFACTURERS SPECIFICATIONS. PIPE ALTERNATIVES SHALL BE: POLYVINYL CHLORIDE PIPE - AWWA - C900 CLASS 150 DUCTILE - IRON PIPE - AWWA 151 CLASS 50.

2.) FIRE HYDRANTS SHALL BE APPROVED BY THE CITY ENGINEER AND COLUSA FIRE DEPARTMENT.

3.) ALL RUNS OF SEWER FORCE MAIN AND WATER MAIN PIPE SHALL HAVE NO.10 GAUGE, SOLID INSULATED SOFT-DRAWN COPPER WIRE TAPED ALONG THE TOP OF PIPE. THE WIRE SHALL BE STUBBED UP INSIDE EACH VALVE BOX AND DEAD END BLOWOFF ASSEMBLY AND BE INSTALLED AS PER STANDARD DRAWING ASSEMBLY W-5. ALL SPLICES SOLDERED AND SHRINK-WRAPPED OR TAPPED.

4.) AT UTILITY CROSSING MAINTAIN A MINIMUM 12" VERTICAL CLEARANCE BETWEEN WATER LINES AND ALL OTHER FACILITIES. ALL SEWER/WATER CROSSINGS, INCLUDING SERVICES, SHALL CONFORM TO STATE HEALTH DEPARTMENT REQUIREMENTS WITH 10' MINIMUM HORIZONTAL CLEARANCE.

5.) ALL VALVES SHALL BE FLANGED TO TEES AND/OR CROSSES. ALL MAINLINE VALVES 16-INCH AND LARGER SHALL BUTTERFLY VALVES WHERE VALVE NUT IS GREATER THAN 30-INCH BELOW FINISHED GRADE. A VALVE OPERATING EXTENSION SHALL BE REQUIRED.

6.) ALL WATER SERVICES SHALL BE PER CITY OF COLUSA STANDARDS

7.) WATER METER BOXES AND COVERS SUBJECT TO TRAFFIC SHALL BE REINFORCED CONCRETE

8.) SERVICE CONNECTION TO EXISTING WATER MAIN (S), OR TO AN EXTENSION OF AN EXISTING WATER MAIN (S), WILL BE MADE BY A QUALIFIED CONTRACTOR. THE CONTRACTOR SHALL NOTIFY CITY 72 HOURS IN ADVANCE, SCHEDULE AND PROCEED WITH THE SERVICE CONNECTION WITH MINIMUM INTERFERENCE TO EXISTING WATER AND FIRE SERVICES. AN INSPECTION BY THE CITY CONSTRUCTION INSPECTOR OF ALL CONNECTIONS MADE BY THE CONTRACTOR IS REQUIRED PRIOR TO BACKFILLING.

9.) PIPE JOINTS WILL NOT BE ALLOWED WITHIN SIX FEET (6') OF VALVE, FITTING OR HYDRANT.

10.) UNDER NO CIRCUMSTANCES SHALL PIPE OR JOINT DEFLECTION EXCEED MANUFACTURERS RECOMMENDATION. DEFLECTION OF PIPE WILL NOT BE ALLOWED WITHIN TEN FEET (10') OF ANY FITTING OR

11.) STANDARD PIPE LENGTHS (MINIMUM EIGHTEEN (18) TO TWENTY (20) FEET, SHALL BE USED FOR ALL HORIZONTAL AND VERTICAL DEFLECTIONS. PIPE LENGTHS LESS THAN STANDARD LENGTH SHALL BE APPROVED BY THE CITY ENGINEER.

12.) IN THE EVENT THAT THIS PROJECT INDICATES THAT WATER MAINS WILL BE CONSTRUCTED WITHOUT THE PROTECTION OF AN OVERLAYING PAVEMENT, PLASTICIZED METALLIC LOCATING TAPE SHALL BE PLACED EIGHTEEN INCHES (18") ABOVE ALL SAID WATER MAINS.

13.) WATER SYSTEM CONTRACTOR SHALL COORDINATE WITH THE STREET LIGHTING CONTRACTOR TO AVOID CONFLICTS WITH WATER SERVICES AND STREET LIGHT FOUNDATIONS AND ELECTRICAL PULLBOXES.

14.) CONTRACT TO PROVIDE 72-HOUR NOTIFICATION TO THE CITY DEPARTMENT OF PUBLIC WORKS PRIOR TO DISINFECTION.

15.) ALL WATER LINE FITTINGS 11- $\frac{1}{4}$ DEGREE OR GREATER, TEES, CROSSES, DEAD ENDS AND REDUCERS/INCREASERS SHALL BE PROVIDED WITH BOTH THRUST BLOCKS AND RESTRAINED JOINT PIPE LENGTHS

16.) ALL BACKFLOW PREVENTERS SHALL BE TESTED AND A BACKFLOW PREVENTER CERTIFICATION PERFORMED BY AN AWWA LICENSED TESTER SHALL BE SUBMITTED TO THE PUBLIC WORKS DEPARTMENT.

MUNICIPAL WATER WELL DRILLING AND TREATMENT

THIS PLAN SET SHALL BE USED IN CONJUNCTION WITH THE FOLLOWING DOCUMENTS, ENTITLED"TECHNICAL REPORT FOR WELL CONSOLIDATION SWRCB PROJECT NO. 0610002-001C" AND "CONTRACT DOCUMENTS FOR COLUSA NEW WATER PRODUCTION WELL, PILOT TESTING UPGRADES TO WELL NOS 4, 5 & 6, ABANDON WELLS 2, 3 AND WALNUT RANCH WELLS 1 &2, VOLUMES 1 THRU 7". THESE DOCUMENTS AND THEIR APPENDICES SHALL BE CONSIDERED A PART OF THIS PLAN SET.

FINAL MUNICIPAL WATER TREATMENT DESIGN AND CONSTRUCTION SHALL PROCEED GIVEN THE RESULTS OF PILOT TESTING AS OUTLINED IN THE ABOVE REFERENCED TECHNICAL REPORT AND CONTRACT DOCUMENTS. THIS PLAN SET SHALL NOT BE CONSIDERED A FINAL CONSTRUCTION SET UNTIL ALL PILOT TESTING RESULTS HAVE BEEN APPROVED AND THIS PLAN SET SIGNED BY ALL STAKEHOLDERS.

SANITARY SEWER NOTES

1.) ALL SANITARY SEWER CONSTRUCTION MATERIALS AND INSTALLATION SHALL BE IN ACCORDANCE WITH THE CITY OF COLUSA PUBLIC WORKS DISTRICT AND THE MANUFACTURERS SPECIFICATIONS, ALL SANITARY SEWER INITIAL BACK FILL SHALL BE THE SAME MATERIAL USED FOR PIPE BEDDING AND SHALL BE PLACED TO 12" ABOVE TOP OF PIPE.

2.) THE CONTRACTOR SHALL VERIFY THE LOCATION AND ELEVATION OF THE EXISTING MANHOLE BEING TIED INTO PRIOR TO PLACEMENT OF THE SEWER FORCE MAIN PIPE.

3.) THE SEWER FORCE MAIN PIPE ENTERING A MANHOLE WILL BE SET NOT LOWER THAN FLOWLINE-TO-CROWN WITH EXISTING PIPE UNLESS OTHERWISE SHOWN.

4.) THE CONTRACTOR SHALL MAINTAIN ALL EXISTING SEWER FACILITIES WITHIN THE CONSTRUCTION AREA

UNTIL NEW IMPROVEMENTS ARE IN PLACE AND APPROVED. 5.) ANY WATER ENTERING THE SANITARY SEWER SYSTEM TO BE CONSTRUCTED UNDER THESE PLANS SHALL

NOT BE DISCHARGED TO THE EXISTING SYSTEM. PLUGS SHALL BE INSTALLED IN EXISTING MANHOLES AS NECESSARY TO PERMIT PUMPING THE NEW SYSTEM CLEAR OF WATER AND DEBRIS PRIOR TO ACCEPTANCE. CARE SHALL BE EXERCISED IN LOCATING PLUGS TO AVOID INTERRUPTING SERVICE TO EXISTING CONNECTIONS. MORTAR OR BRICK PLUGS SHALL BE USED. INFLATABLE DEVICES ARE NOT SATISFACTORY.

6.) ALL SERVICES SHALL HAVE 3' OF COVER AT THE PROPERTY LINE AND SHALL BE TO THE CENTER OF THE LOT UNLESS OTHERWISE NOTED ON THE PLANS. THE CONTRACTOR SHALL PLACE A 4"X4" REDWOOD POST AT THE END OF EACH SERVICE EXTENDING FROM THE END OF PIPE TO AT LEAST 12" ABOVE SURFACE.

7.) ALL SEWER MAIN LINES, SERVICES, AND MANHOLES SHALL BE PRESSURE TESTED AIN ACCORDANCE WITH CITY OF COLUSA P.U.D. REQUIREMENTS AND/OR AS DIRECTED BY CITY OF COLUSA P.U.D.MANAGER.

8.) CURB TO BE BRANDED WITH "S" AT SEWER SERVICE LOCATIONS.

9.) ALL SEWER SERVICES CONNECTING TO SEWER FORCE MAIN SHALL BE CONNECTED WITH LONG SWEEP 'Y' FITTING IN THE DIRECTION OF FLOW.

10.) ALL SEWER FORCE MAIN CLEANOUTS AND SEWER TRANSFER SERVICE CLEANOUTS SHALL HAVE A TRAFFIC RATED BOX, GATE VALVE AND BE TERMINATED WITH A THREADED PLUG.

LEGEND - EXISTING

	<u> </u>
	PCC CURB, GUTTER, SIDEWALK
——— SD ———	STORM DRAIN W/ DROP INLET
——————————————————————————————————————	SANITARY SEWER
W — >>>	WATER W/ VALVE
— x — — x —	FENCE
97	FIRE HYDRANT
	SS/SD MANHOLE
	TREE
*	STREET LIGHT
<u>C</u> ATV	UTILITY BOX
	UTILITY POLE W/ GUY

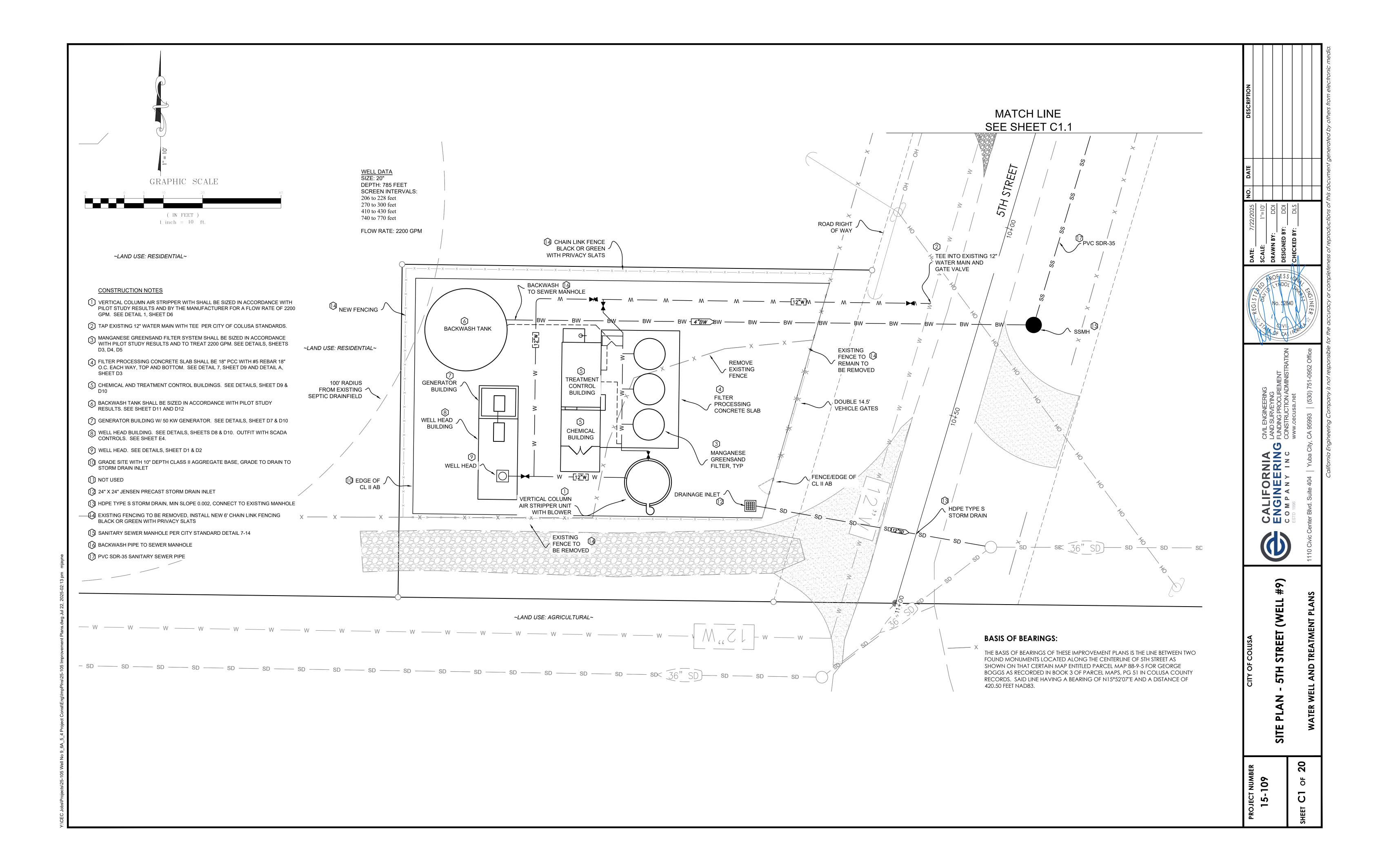
LEGEND - PROPOSED

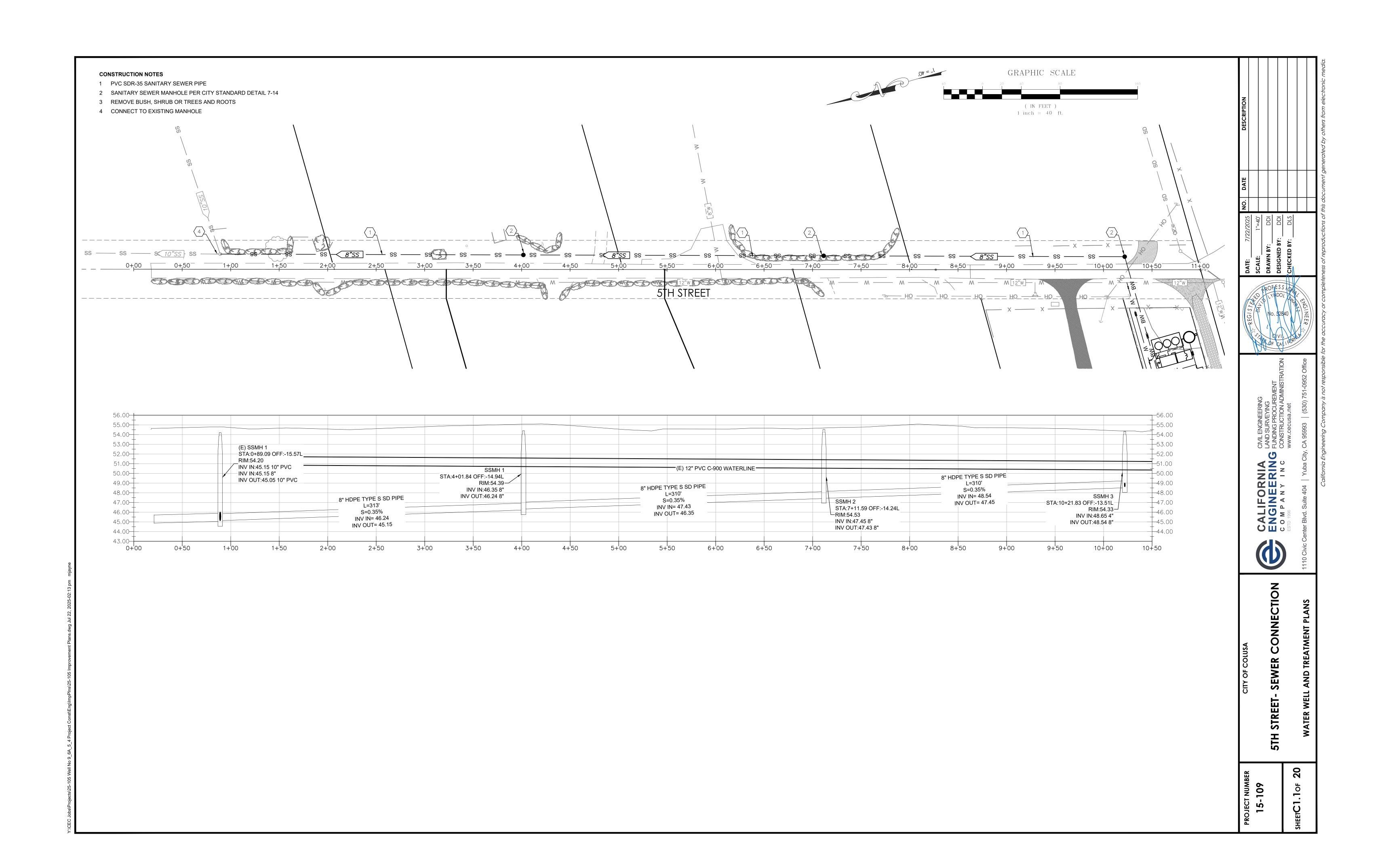
	ASPHALT
xxx	FENCE
	BUILDING
—— SD ——	STORM DRAIN W/ INLET
	STORM DRAIN W/ INLET
—— w ——	WATER LINE

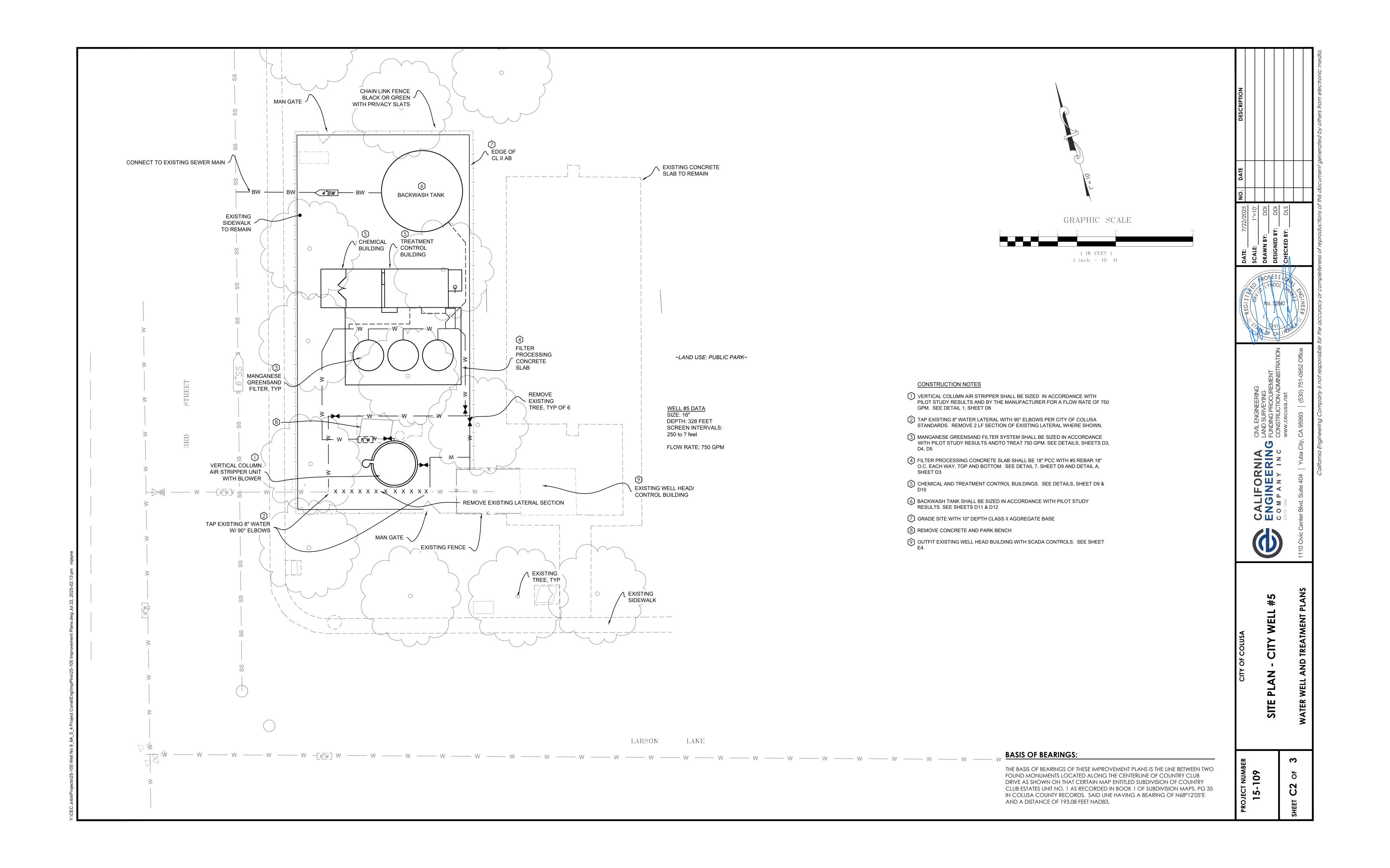
Z C -ОШг

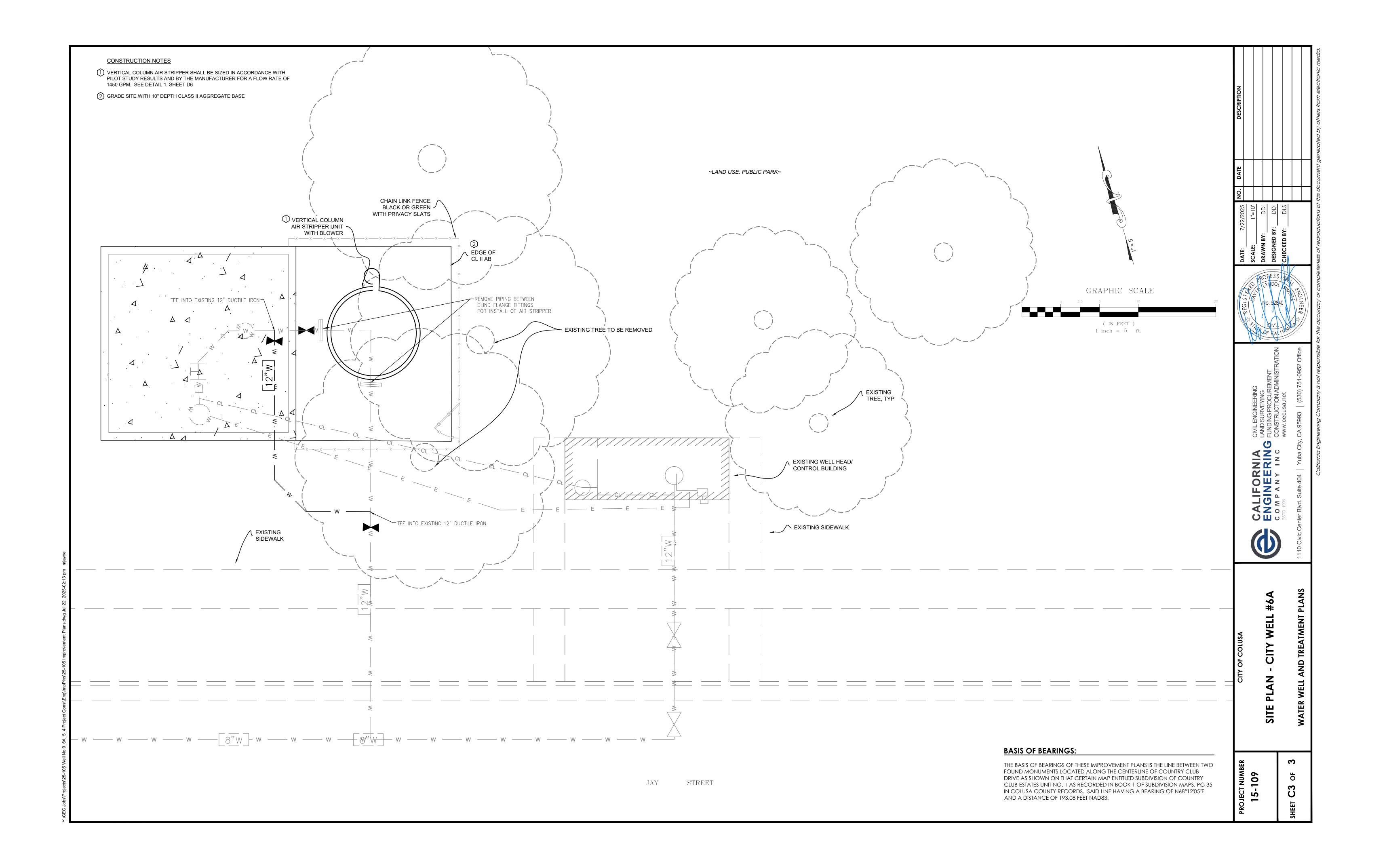
VZ ОШо

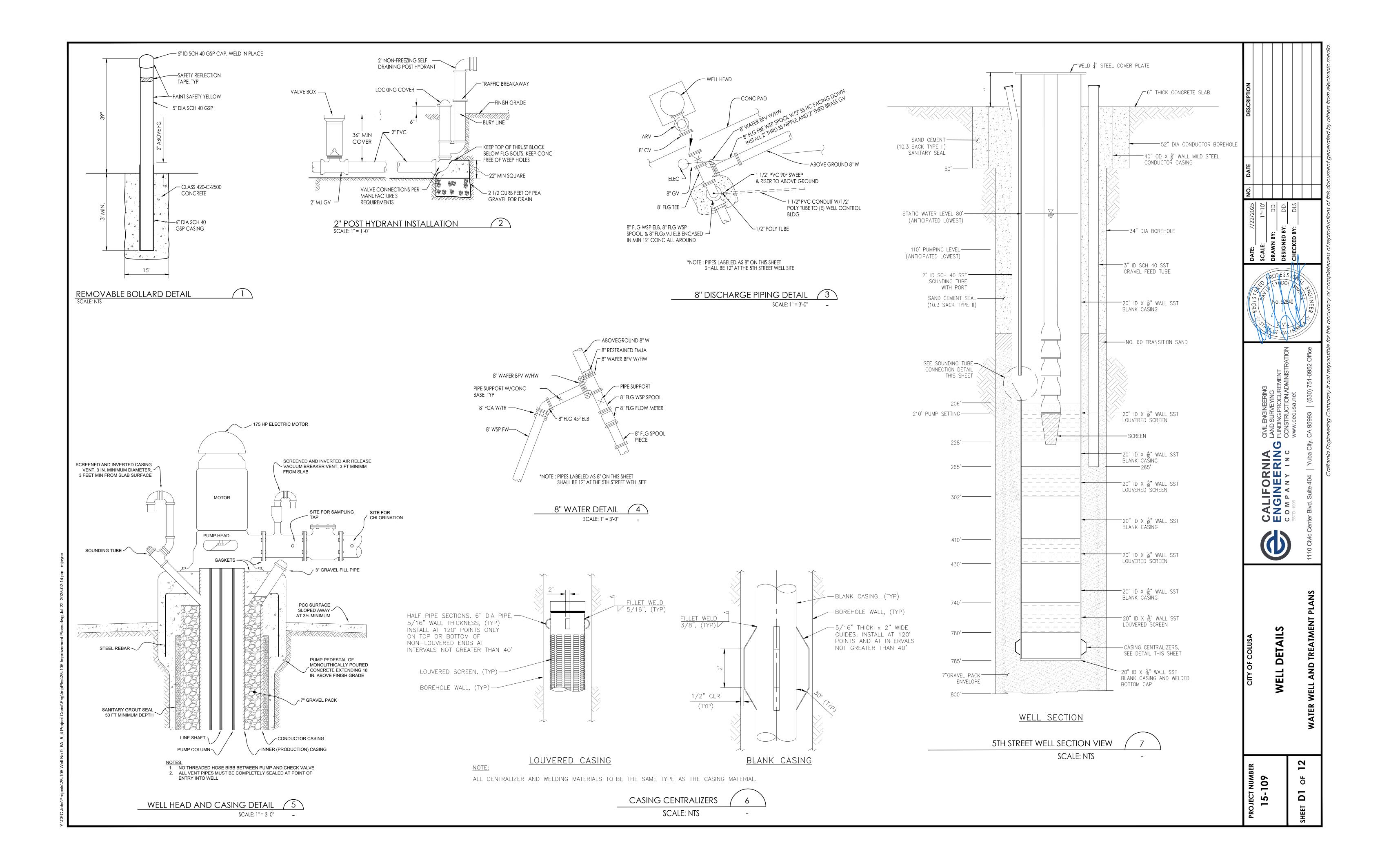


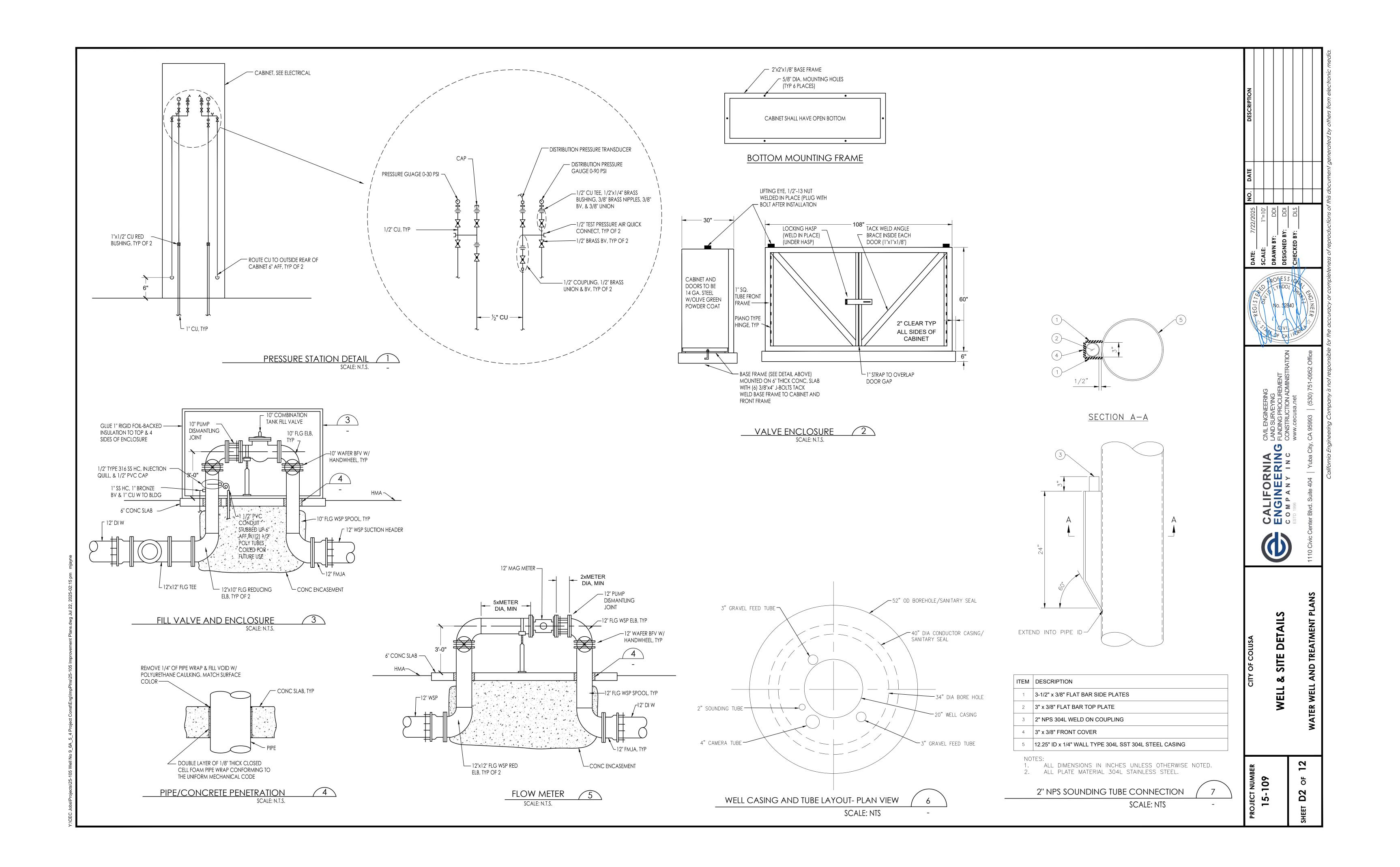


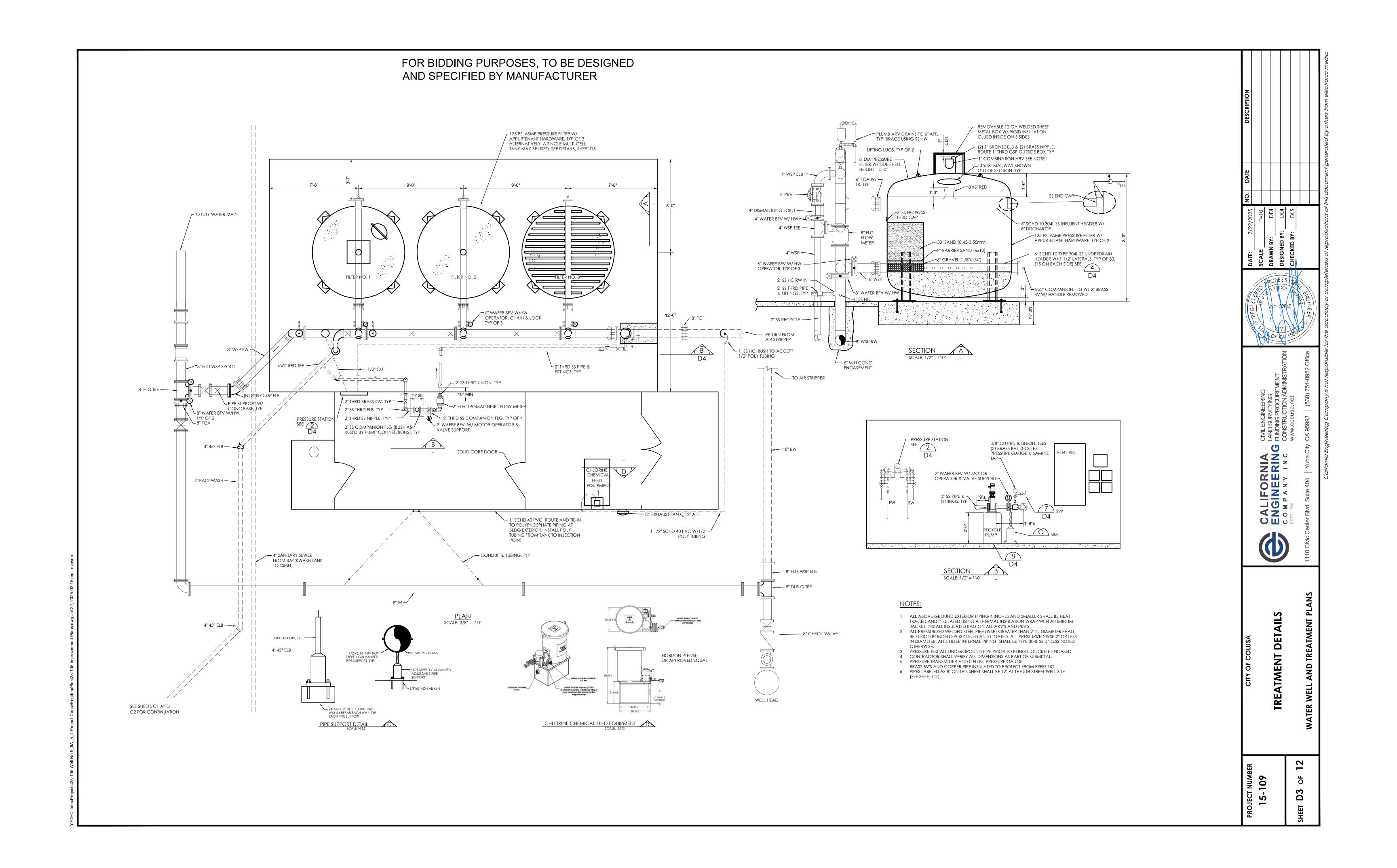


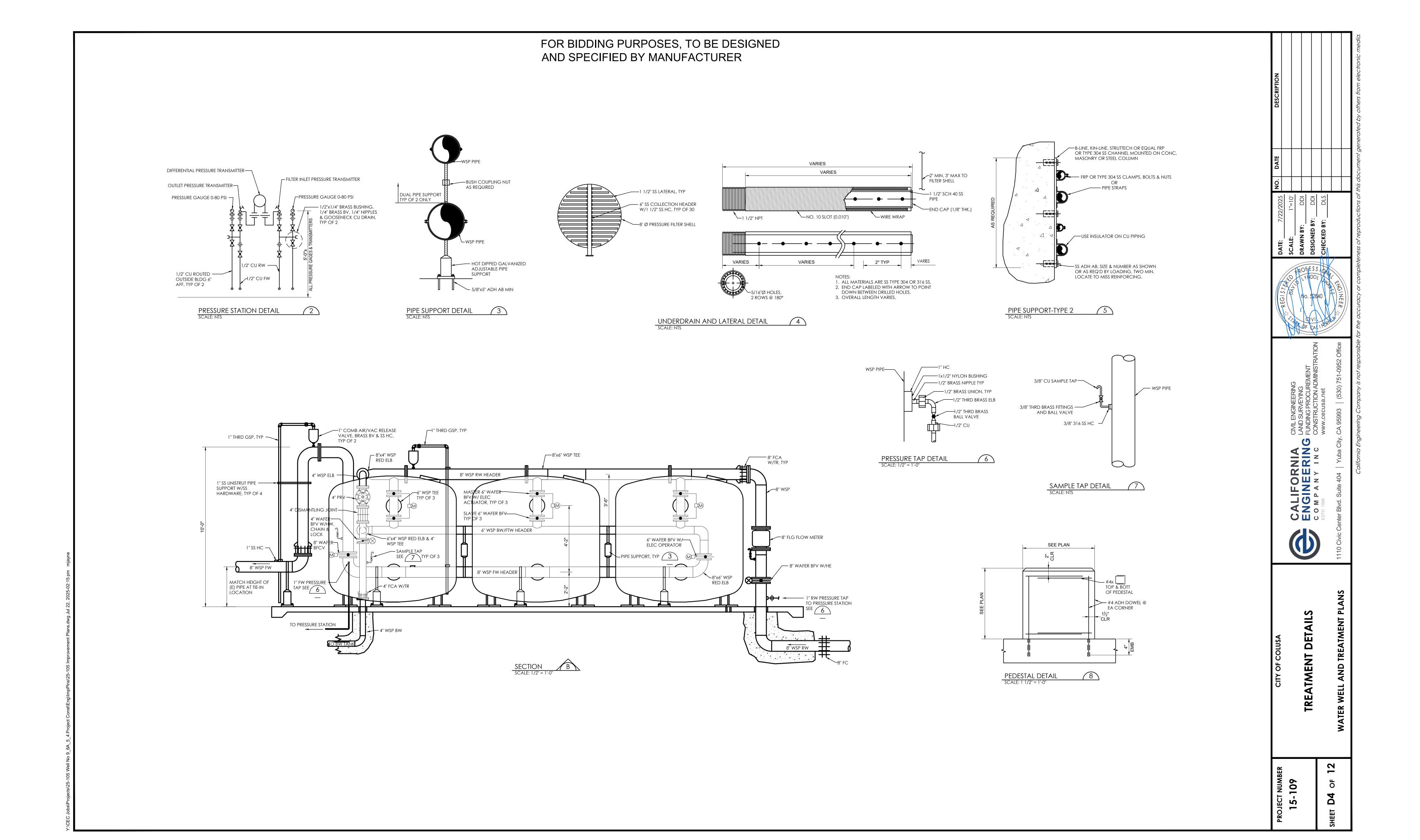


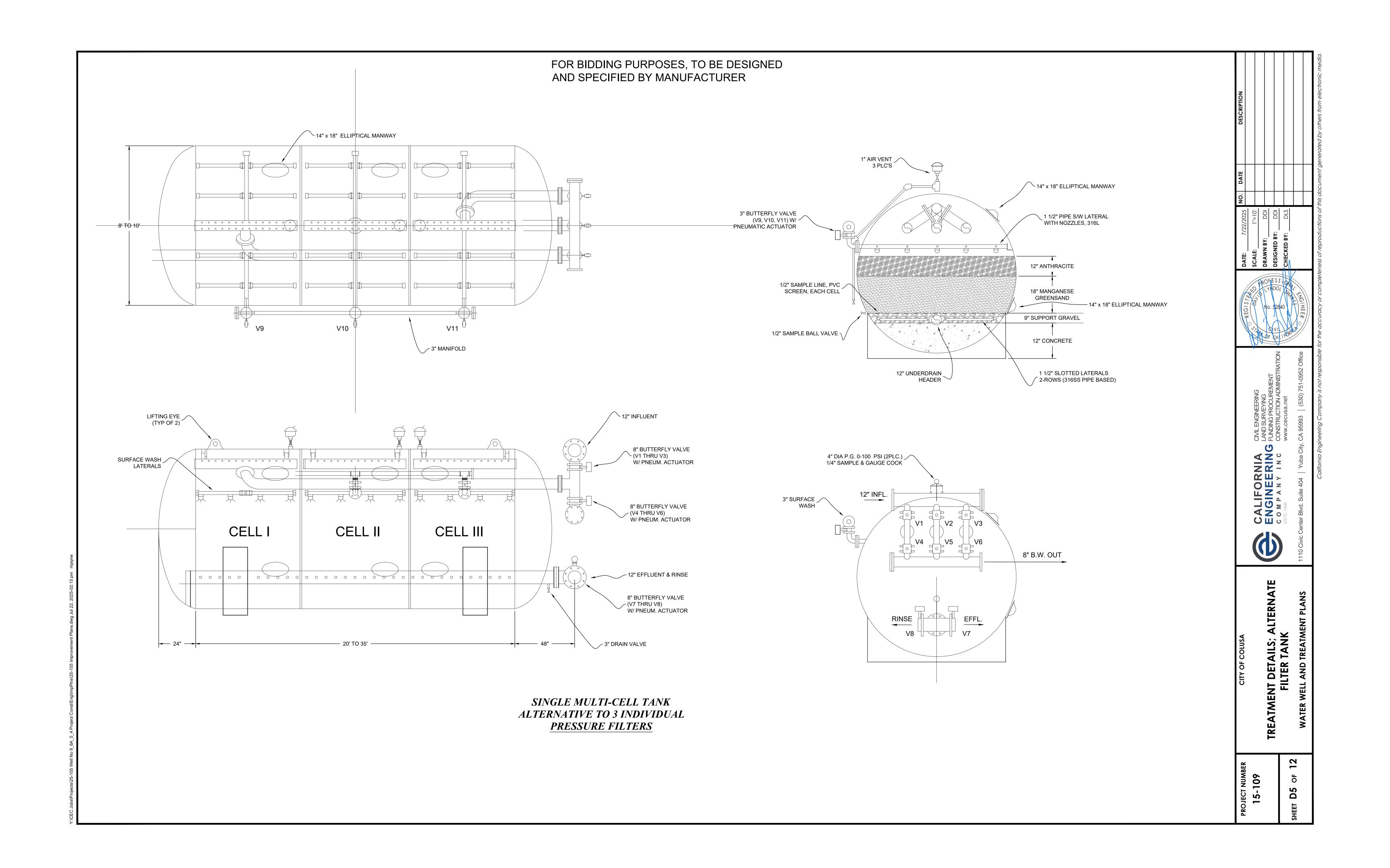


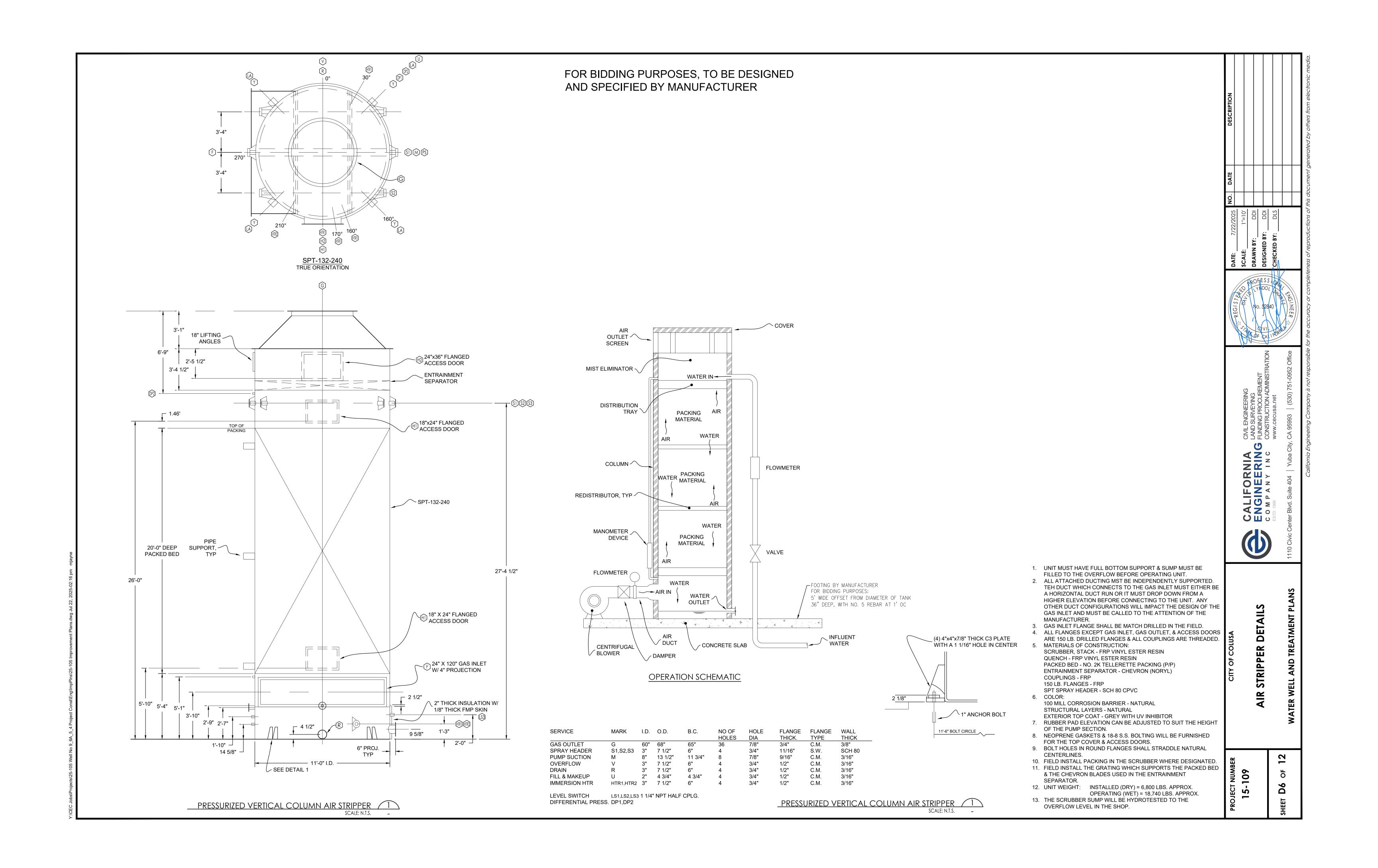


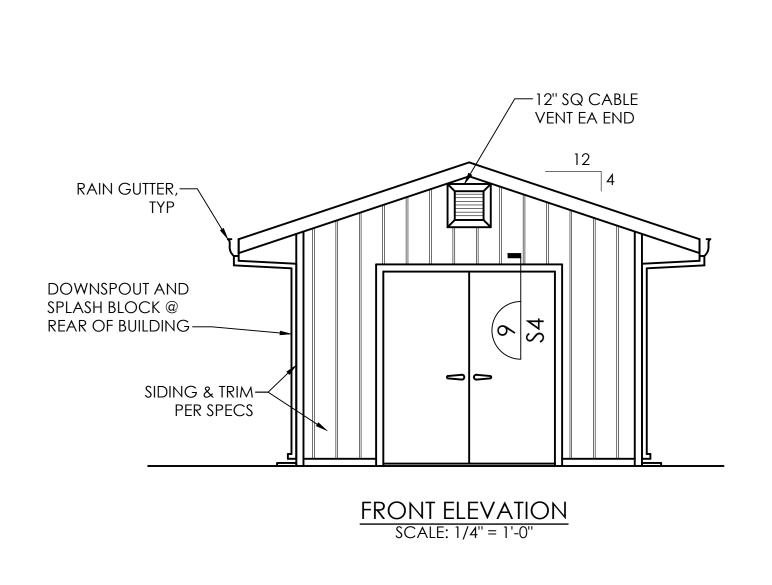


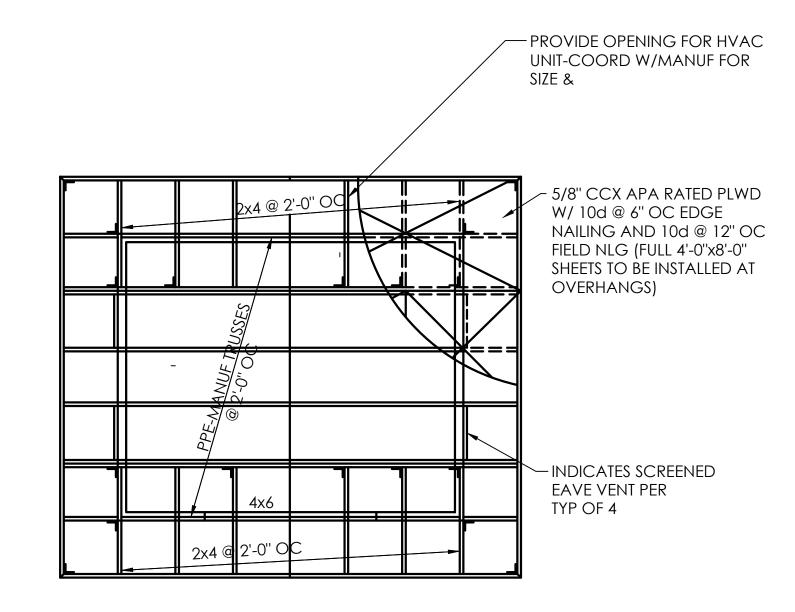


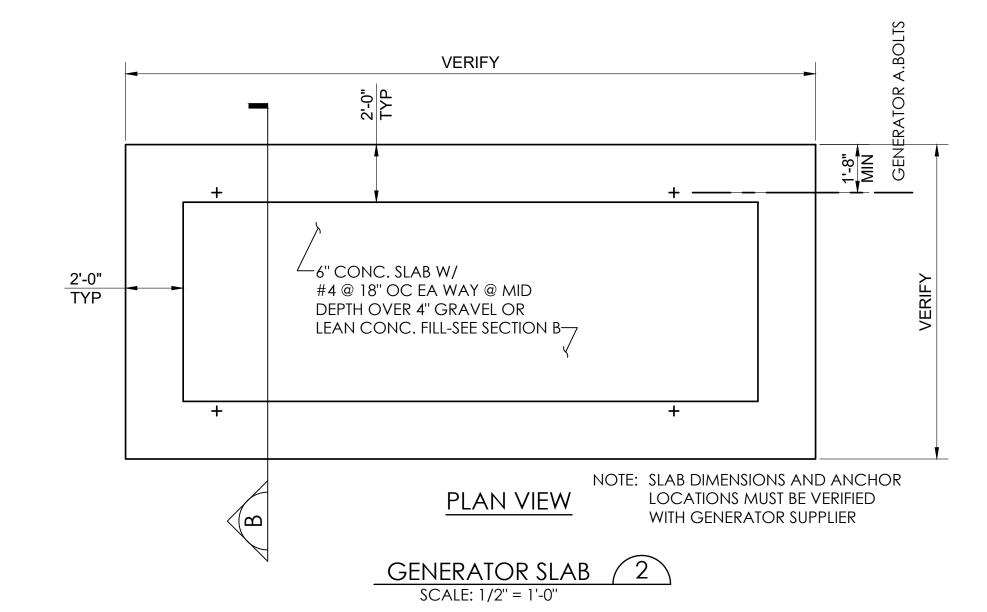


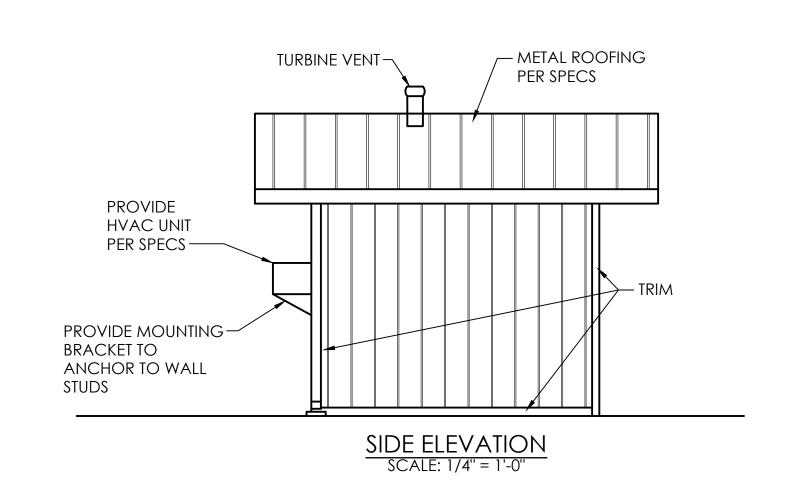


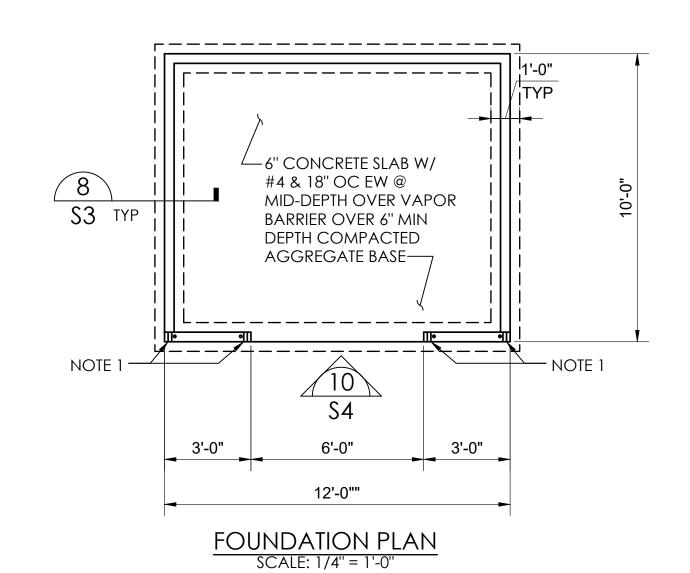








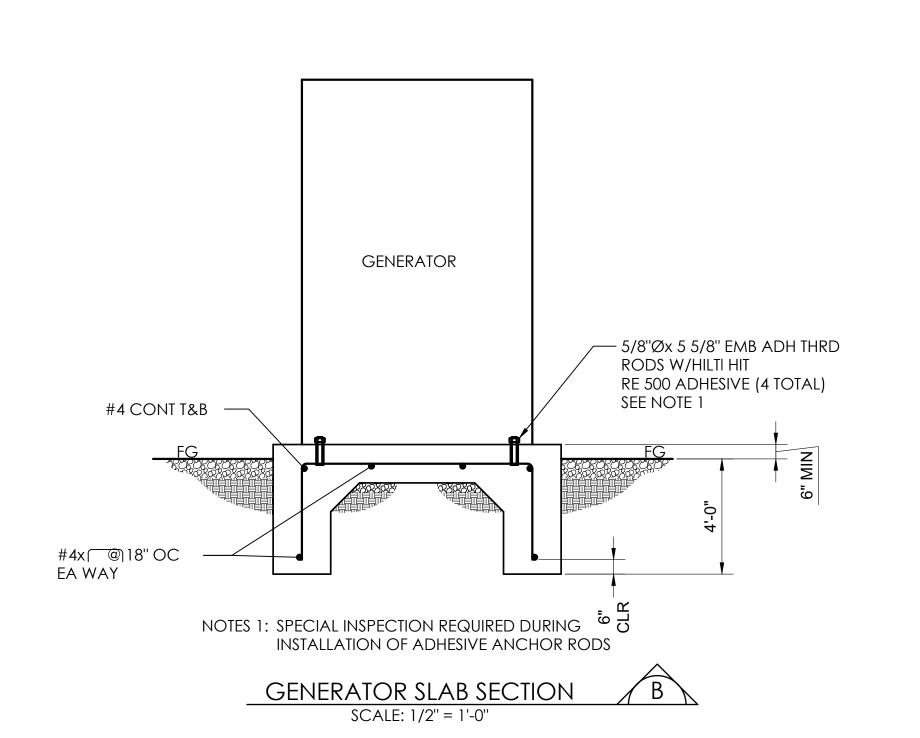


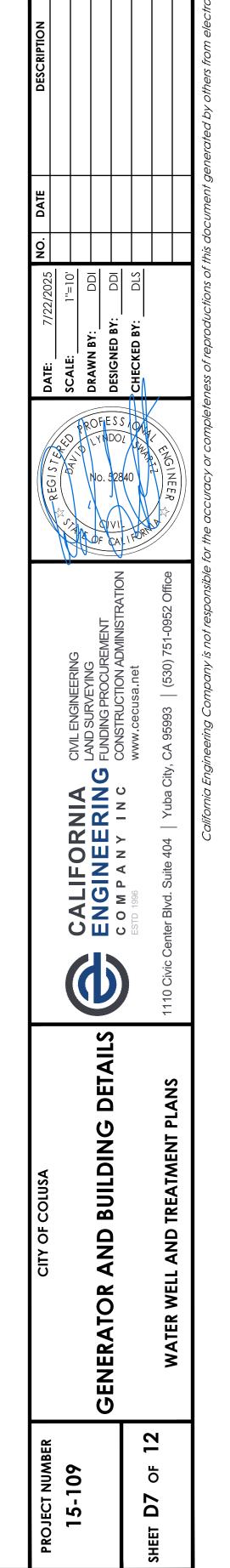


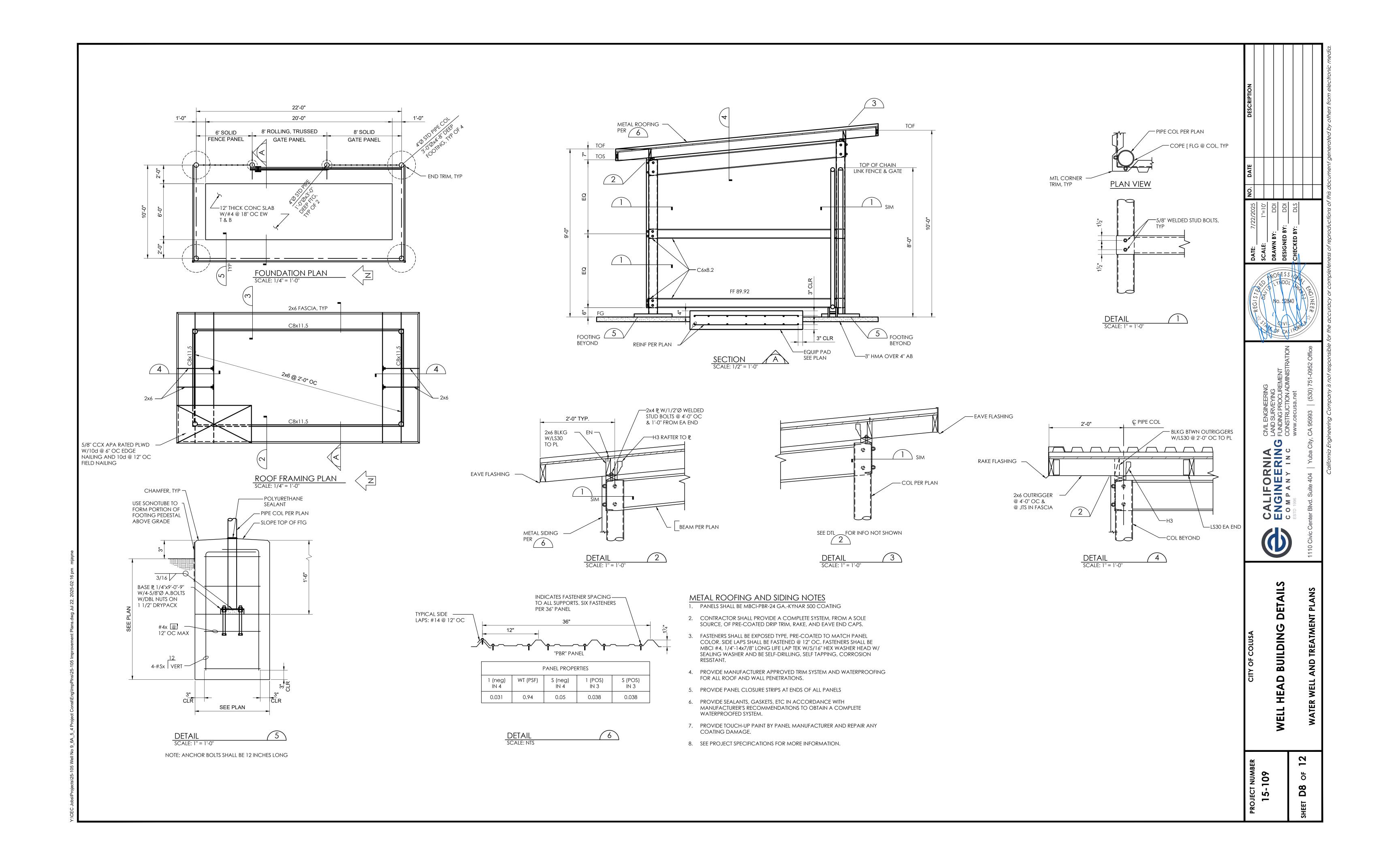
ROOF FRAMING PLAN SCALE: 1/4" = 1'-0"

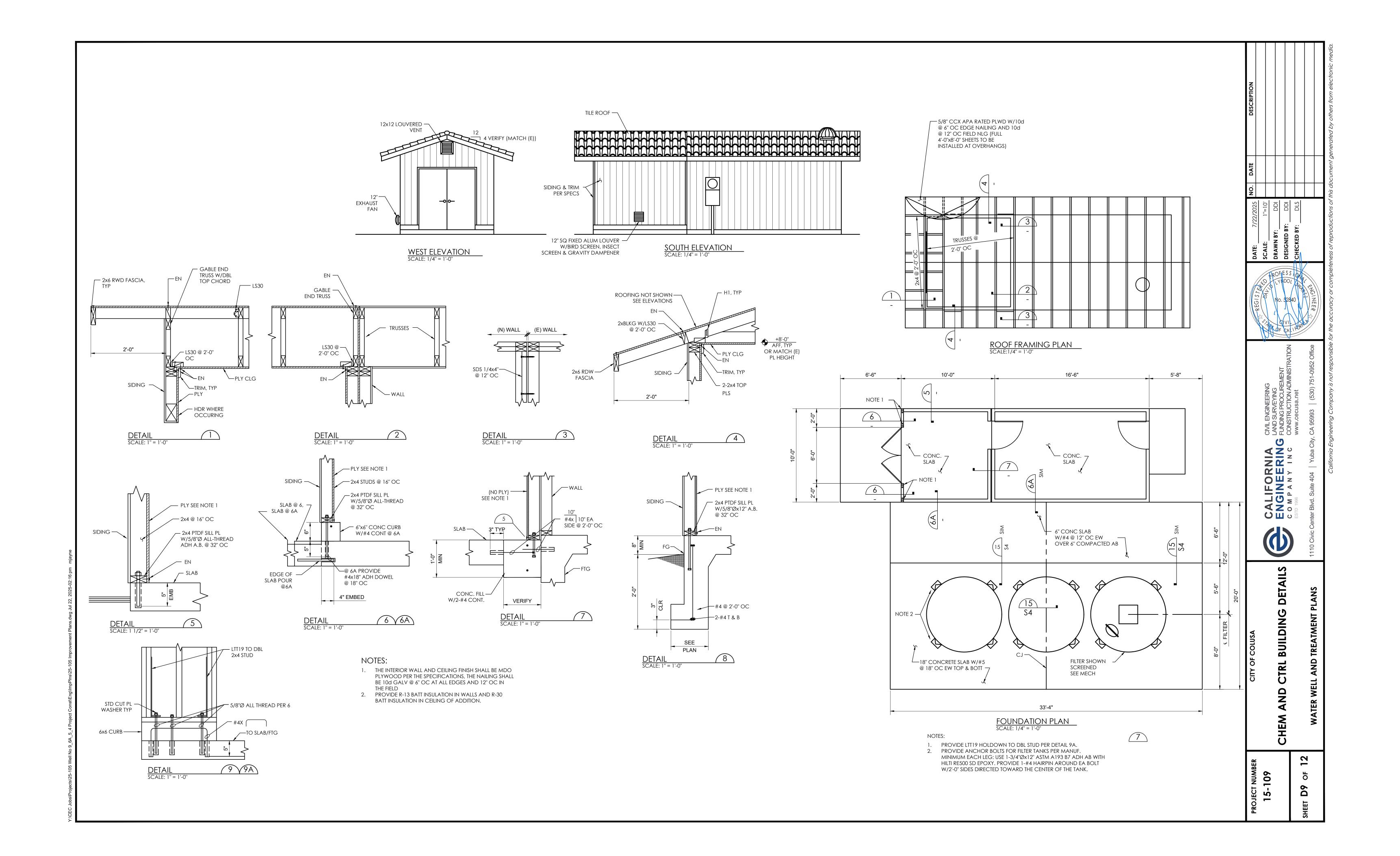
NOTES:

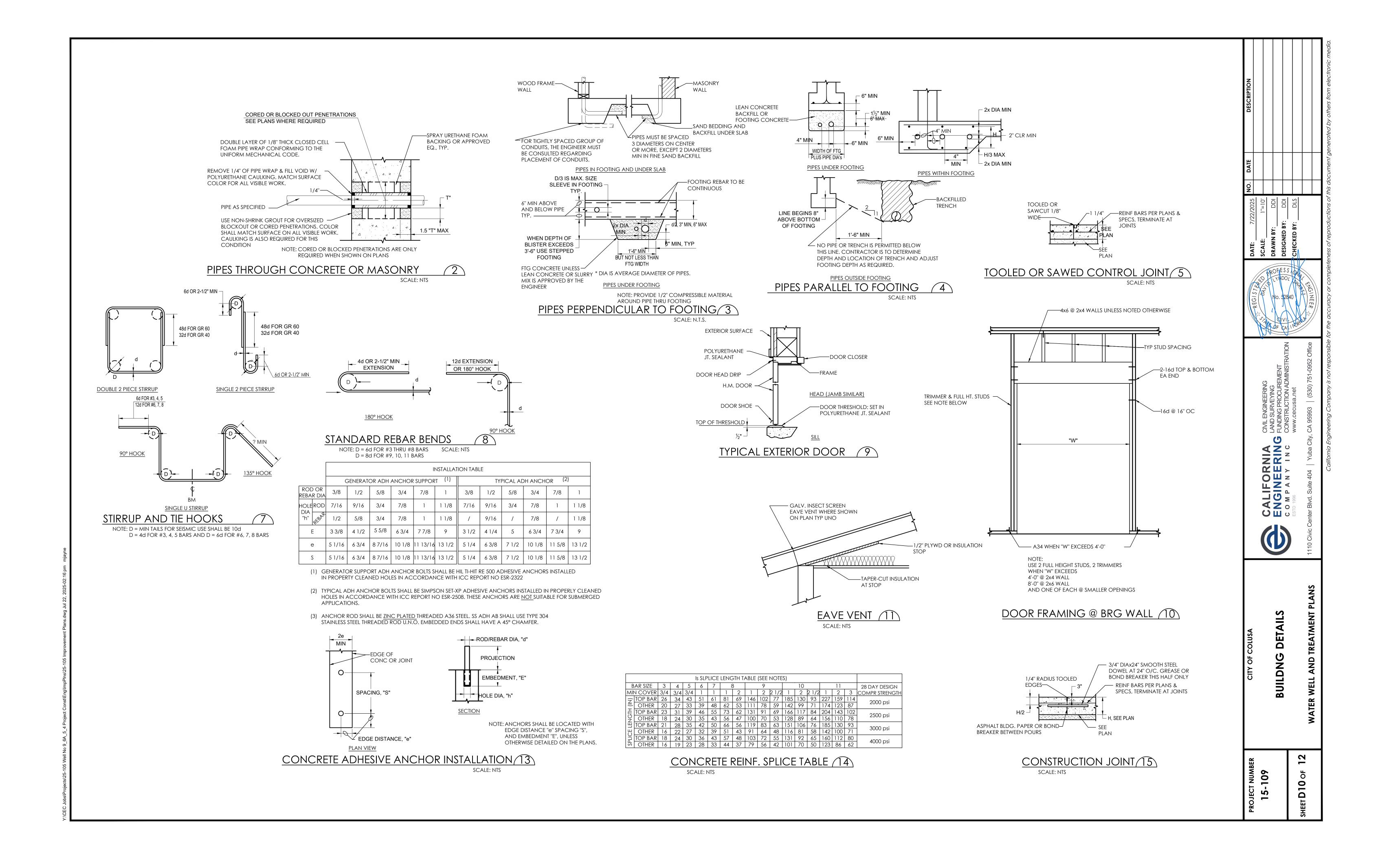
- PROVIDE LTT19 HOLDOWN TO DBL STUD. PROVIDE SSTB16 A. BOLT, TYP
- 2. PROVIDE R-13 BATT INSULATION IN WALLS AND R-30 BATT INSULATION ABOVE CEILING.

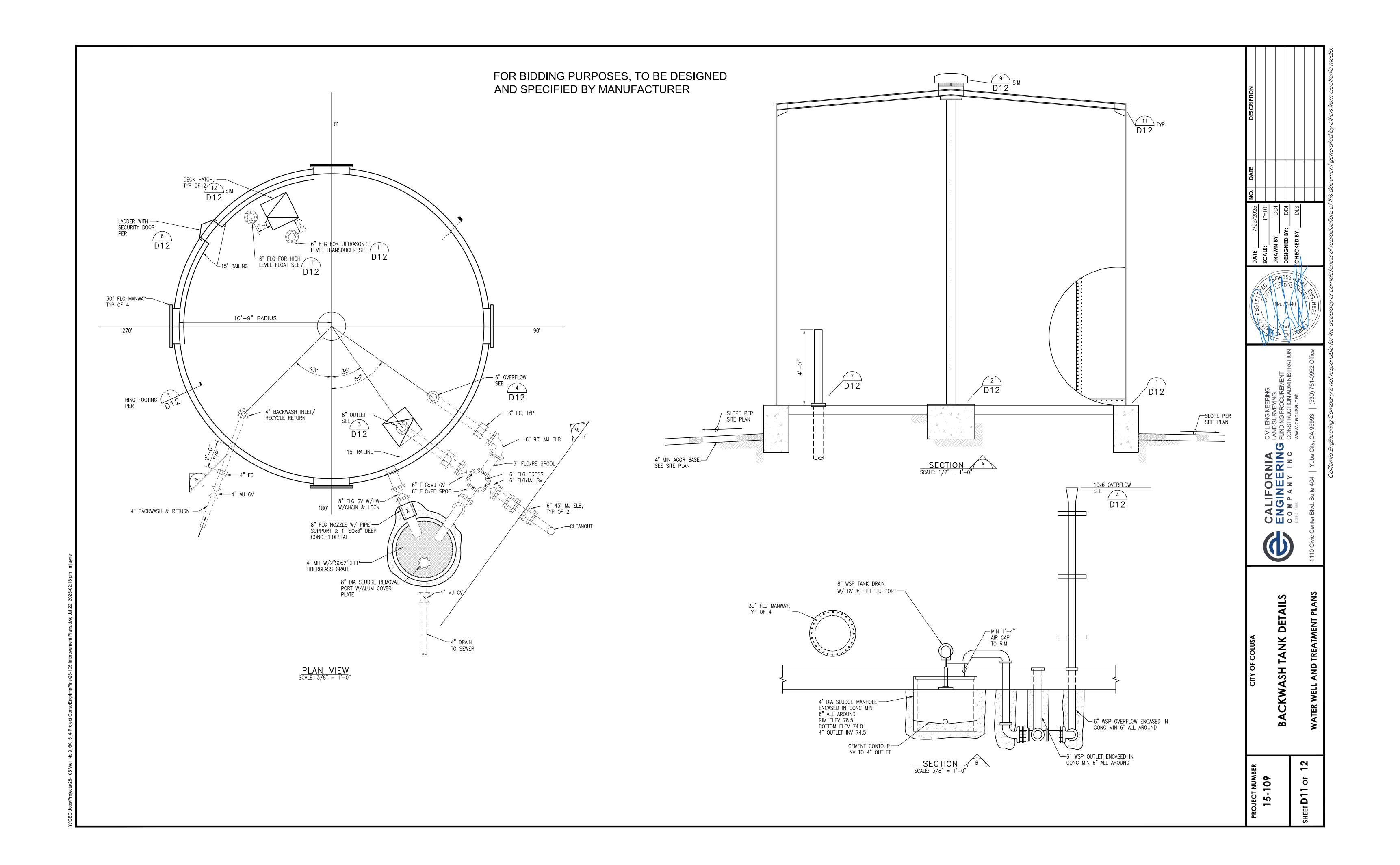


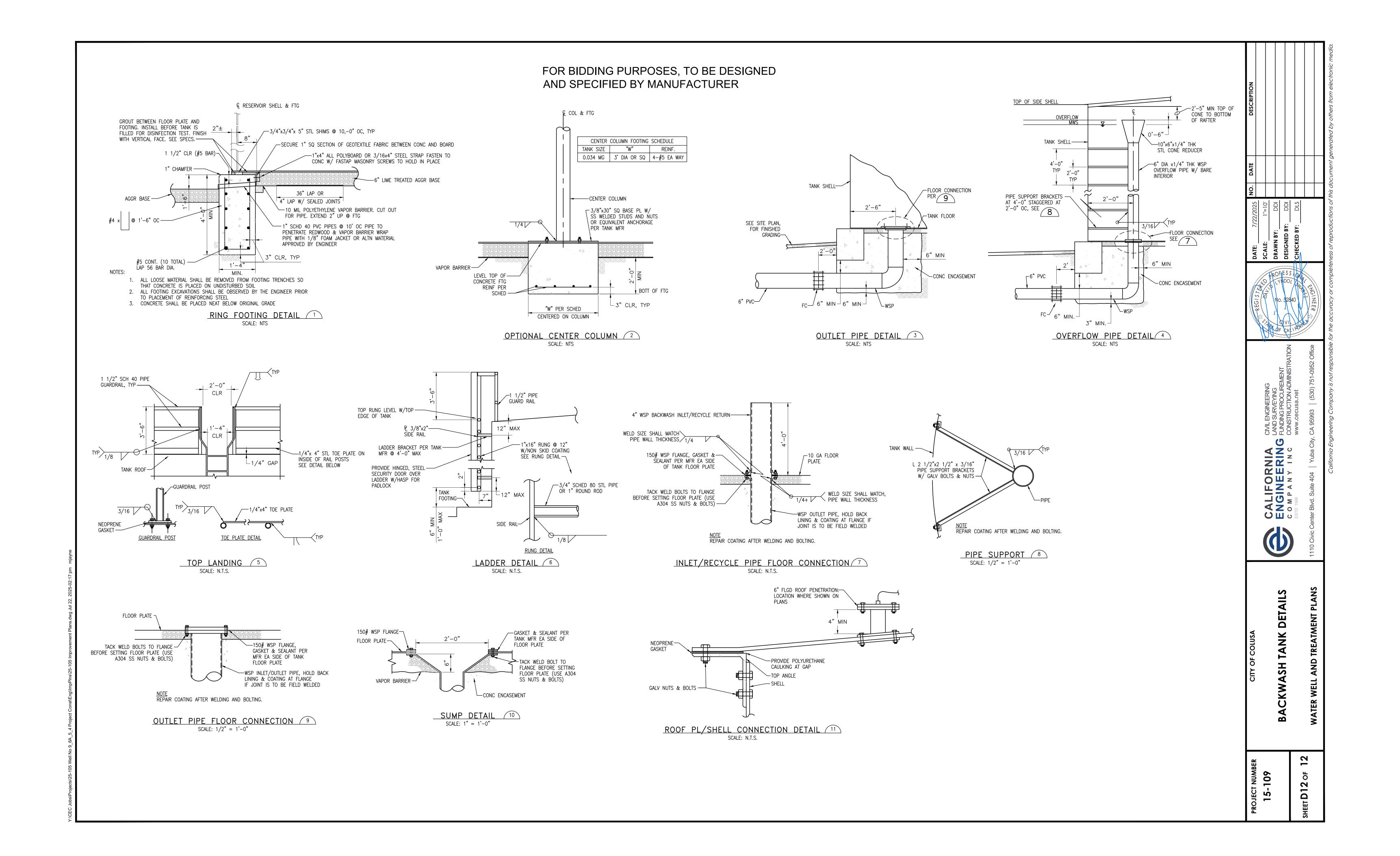


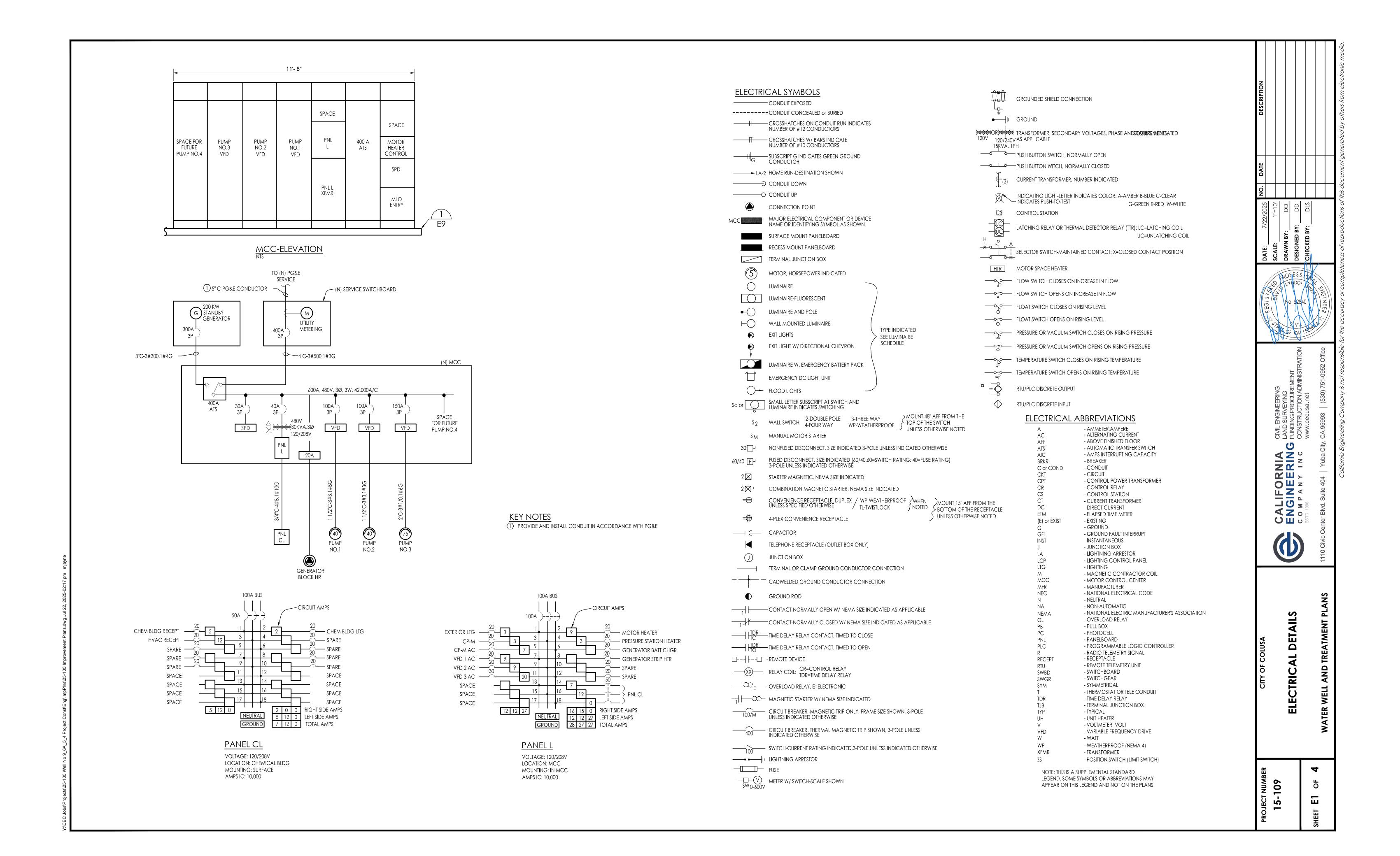


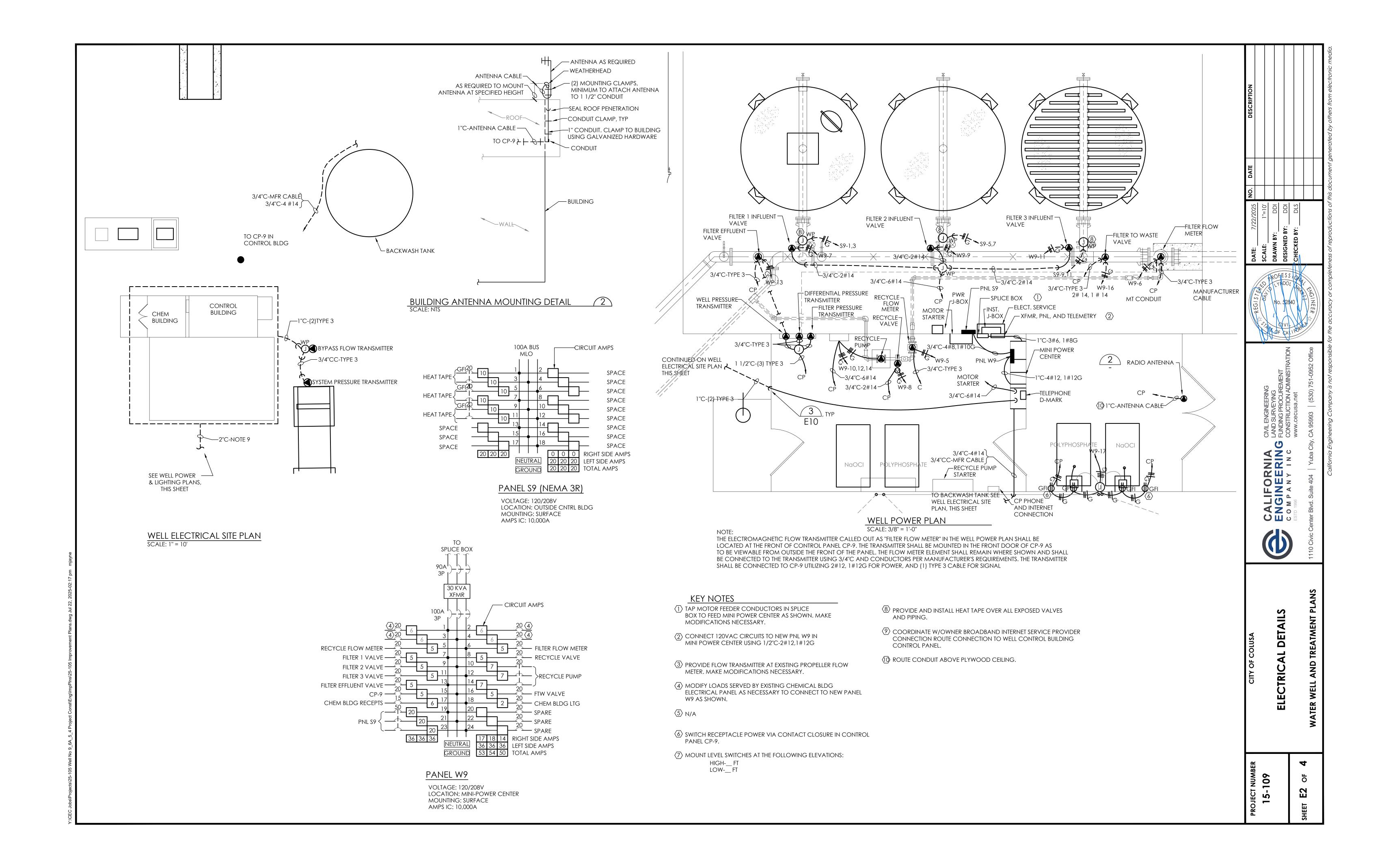






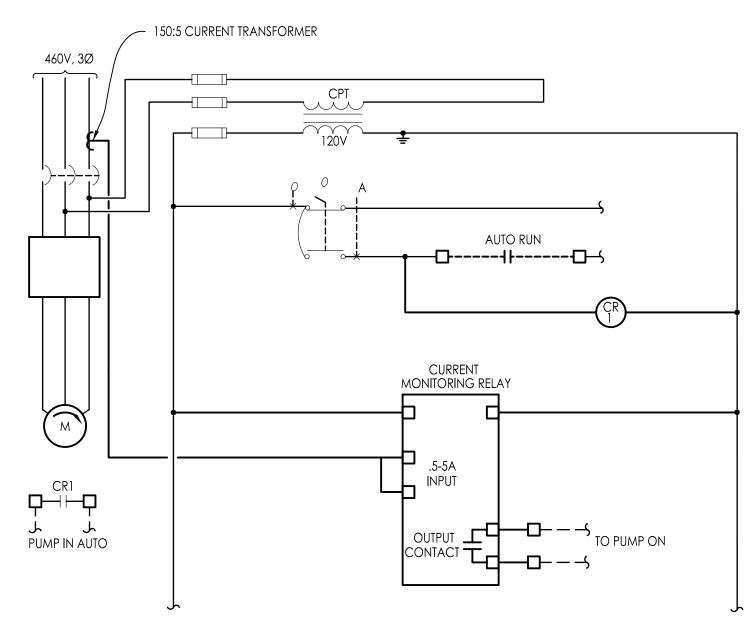




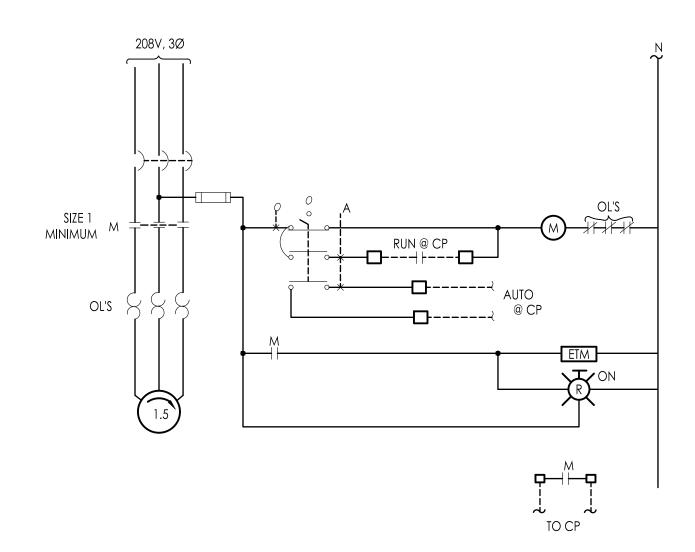


LUMINAIRE SCHEDULE

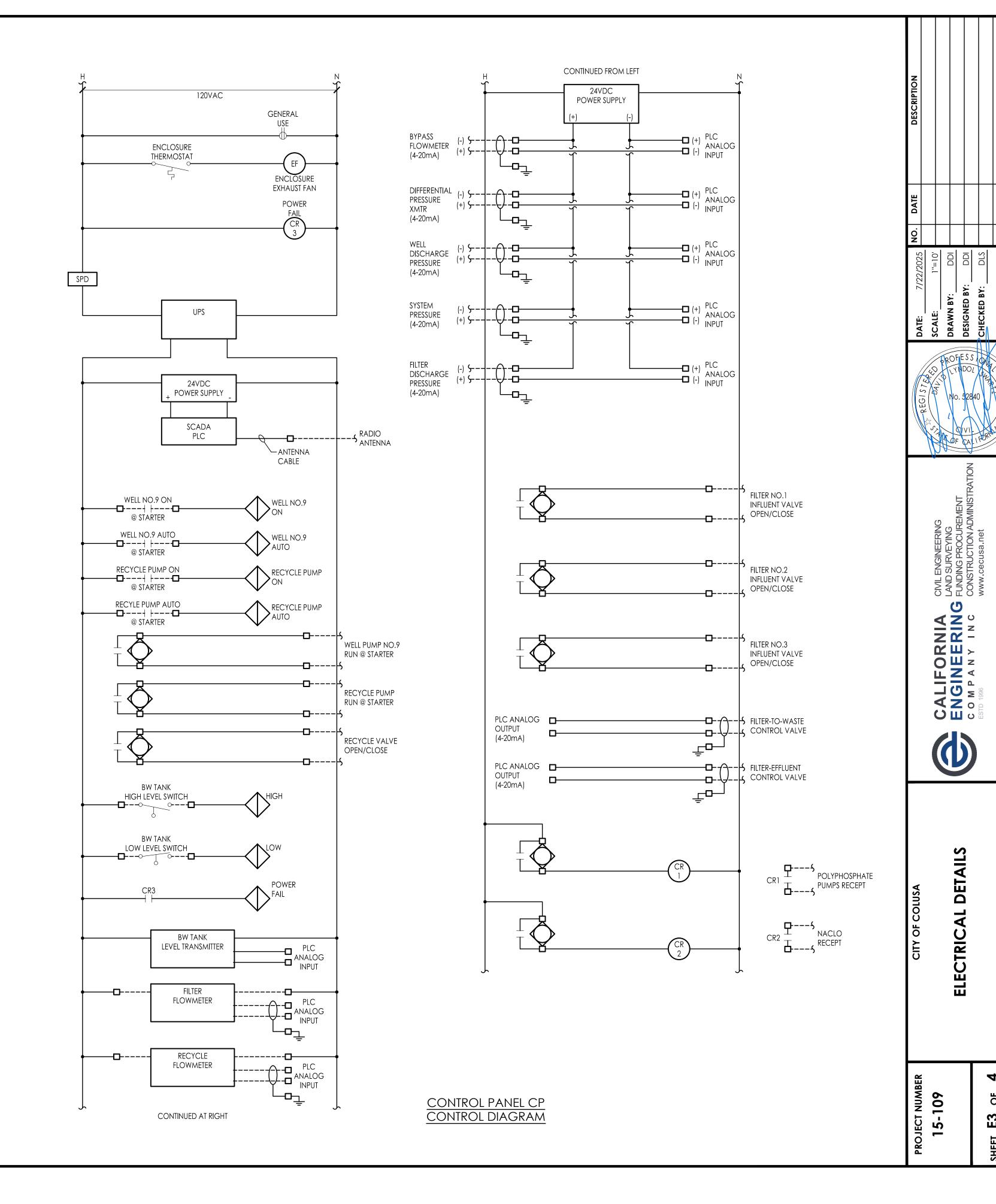
TYPE	LAMPS	DESCRIPTION	MFR
1	(2) 32WT8	FLUORESCENT, REINFORCED POLYESTER FIBERGLASS HOUSING POURED-IN GASKET, CAPTIVE CORROSION RESISTANT LATCHES, ELECTRONIC BALLAST WITH LESS THAN 10% THD, UL LISTED, 120VAC.	LITHONIA DMW232; DAY-BRITE; OR EQUAL
LED 2 530 mA 5000K		LED POLE MOUNT, DIE-CAST ALUMINIUM HOUSING, THERMOSET POWDER COAT DARK BRONZE FINISH, ACRYLIC LENS, 5000K LIGHT ENGINE, INTEGRAL PHOTOCELL, TYPE 3 DISTRIBUTION, 120VAC.	LITHONIA KAD LED; OR EQUAL
	***	POLE: STRAIGHT SQUARE ALUMINIUM, 30FT. TALL, MINIMUM EPA OF 4.1 @ 100MPH WINDS, DARK BRONZE FINISH, WALL THICKNESS 0.25 INCHES.	LITHONIA SSA30 6G; OR EQUAL



PARTIAL WELL CONTROL DIAGRAMS



WELL RECYCLE PUMP CONTROL DIAGRAM



VFD STRIPPER

(E) CITY WELL #4 SITE

NOTES:

BE DONE IN ACCORDANCE WITH NEC. ALL

LOCAL GROUND ROD: PROVIDE GROUND

CONDUCTOR BETWEEN MAST GROUND ROD AND

PROVIDE POWER FROM LOCAL PANELBOARD: 3/4

THE FILTER CONTROL PANEL PLC. COORDINATE

REGARDING THE FILTERS IS AVAILABLE VIA THE

SERVICE GROUND ROD. ANTENNA SHALL BE

ORIENTED PER RADIO SYSTEM SUPPLIER'S

WHERE SHOWN PROVIDE A CONDUIT AND

REGISTER INFORMATION WITH THE FILTER

SCADA SYSTEM AT THE SCADA CENTRAL

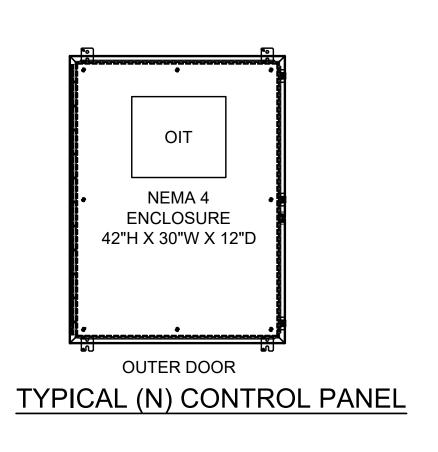
EQUIPMENT SHALL BE UL LABELED.

RECOMMENDATIONS.

20/1 CIRCUIT BREAKER

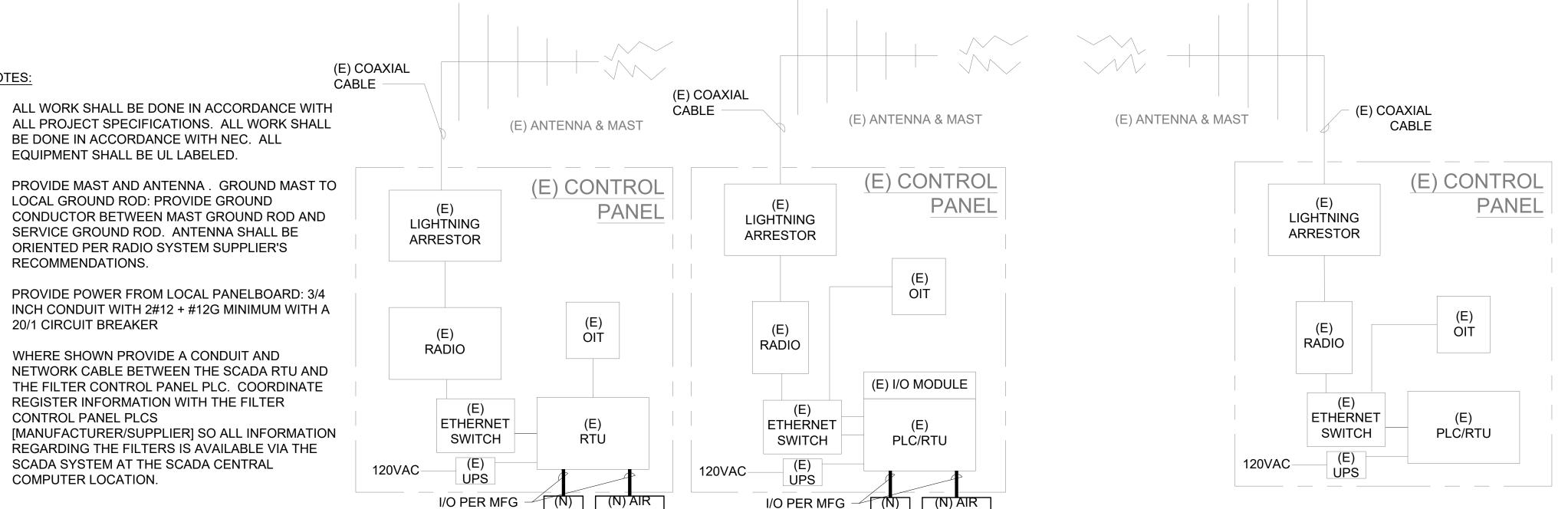
CONTROL PANEL PLCS

COMPUTER LOCATION.



(E) RTU SITE

ADDITIONAL (E) RTU SITES AT CIP AND TANK



GENERAL SCADA REQUIREMENTS

WORK INCLUDED: PROVIDE ALL REQUIRED LABOR, PROJECT EQUIPMENT AND MATERIALS, TOOLS, CONSTRUCTION EQUIPMENT, SAFETY EQUIPMENT TRANSPORTATION, AND TEST EQUIPMENT TO SATISFACTORILY COMPLETE ALL NEW SCADA WORK SHOWN ON THIS DRAWING, OR REQUIRED FOR A COMPLETE AND FULLY OPERATING SYSTEM. PROVIDE FIELD SERVICES, AND TRAINING

OPERATIONS AND MAINTENANCE MANUALS: PROVIDE OPERATING AND MAINTENANCE INSTRUCTIONS. IN EACH MANUAL, INCLUDE EQUIPMENT DESCRIPTIONS, RECORD "AS-BUILT" SHOP DRAWINGS, PROGRAMMING INFORMATION, OPERATION AND MAINTENANCE INSTRUCTIONS, PARTS ORDERING DATA AND RATINGS FOR THE EQUIPMENT FURNISHED FOR TO COMPLETE THE SCADA SYSTEM.

THE CONTRACTOR SHALL PROVIDE LABOR, INSTRUMENTS, AND OTHER MATERIAL TO COMPLETE THE TESTS. PERFORM THE OPERATIONAL READINESS TEST AND FUNCTIONAL ACCEPTANCE TEST.

FUNCTIONAL ACCEPTANCE TEST (FAT): THE CONTRACTOR SHALL PERFORM THE FAT AND SHALL OPERATE ALL EQUIPMENT AND SYSTEMS OVER THE FULL OPERATING RANGE, SHALL DEMONSTRATE PROPER OPERATION OF ALARMS AND INDICATORS, AND, IN GENERAL, SHALL DEMONSTRATE THAT THE EQUIPMENT AND SYSTEMS MEET THE REQUIREMENTS OF THE DRAWINGS AND SPECIFICATIONS. SYSTEM TESTING: THE CONTRACTOR/SYSTEM SUPPLIER SHALL PROGRAM, INSTALL AND TEST ALL COMPONENTS. PROVIDE A QUALIFIED MANUFACTURER'S SERVICE PERSON TO PERFORM TESTING.

TRAIN OWNER PERSONNEL: PROVIDE FOUR HOURS ON SITE TRAINING.

2. CONTROL PANELS AND REMOTE TELEMETRY UNITS **SPECIFICATIONS**

THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, EQUIPMENT, AND INCIDENTALS REQUIRED, TO INSTALL COMPLETE AND READY FOR OPERATION, AND FIELD TEST THE CUSTOM CONTROL PANELS AS SHOWN ON THE DRAWINGS. MANUFACTURER'S INSTRUCTIONS SHALL BE FOLLOWED IN ALL CASES WHERE MANUFACTURERS OF ARTICLES USED FURNISH INSTRUCTIONS COVERING POINTS NOT SHOWN ON THE DRAWINGS OR HEREIN SPECIFIED. PERMANENTLY IDENTIFY EACH WIRE AT EACH TERMINATION BY MEANS OF A HEATSHRINK NUMBERED SLEEVE. IN GENERAL, ALL COMPONENTS SHALL MATCH THE CITY'S EXISTING DATA FLOW SYSTEMS BASED SCADA SYSTEM. THE REMOTE TELEMETRY UNITS SHALL BE REMOTE TELEMETRY UNITS (RTU). THE RTU SHALL BE A MICROPROCESSOR-BASED, FULLY-PROGRAMMABLE DUAL-FUNCTION-DEVICE DESIGNED FOR USE WITH SCADA SYSTEMS SET UP FOR PUMP CONTROL AND MONITORING: MATCH EXISTING ALLEN BRADLEYPLC. THE RTU SHALL BE CAPABLE OF OPERATING FROM A CUSTOM-WRITTEN PLC

PROGRAM. THE RTU SHALL BE MANUFACTURED BY ALLEN BRADLEY. THE UNIT SHALL INCLUDE AN I/O EXPANSION MODULE WHERE REQUIRED. THE RTU SHALL INCLUDE AN INTEGRATED 2 WATT DIGITAL RADIO. AS A MINIMUM THE RTU SHALL HAVE THE FOLLOWING FEATURES: THE RTU SHALL PROVIDE PROGRAMMABLE LOGIC CONTROLLER (PLC) FUNCTIONALLY. PROVIDE OPERATOR INTERFACE TERMINALS (OIT) WHERE SHOWN ON THE PLANS: THE OITS SHALL BE MANUFACTURED BY MAPLE SYSTEMS, RED LION OR MAGELIS. (TO MATCH EXISTING)., RADIO TO BE MDS TO MATCH EXISTING.

3. PROGRAMMING

ALL PROGRAMMING OF THE SCADA SYSTEM, RTUS AND OITS SHALL ADHERE TO THE CITY'S STANDARDS. AT (E) SITES ADD PROGRAMMING FOR (N) VFD AND (N) AIR STRIPPER CONTROL PANELS.

THE RTUS SHALL BE CONFIGURED TO OPERATE FAILSAFE IN THE EVENT OF A RTU FAILURE. THE RTU SHALL MONITOR AND TRANSMIT TO SCADA ALL PARAMETERS. STATUS AND ALARMS. FLOW LOOPS: MONITOR AND INDICATE FLOW RATES, TOTALIZED FLOWS AND COMBINED TOTALIZED FLOW LOCALLY. PROVIDE LOW-LOW, LOW AND HIGH FLOW ALARMS. MONITOR AND INDICATE ALARMS LOCALLY AT THE OI AND REMOTELY VIA SCADA. PROVIDE INDEPENDENT CALL TIME DELAY SETPOINTS FOR CALL OF EACH MAJOR PUMP IN THE AUTO MODE. IN AUTO MODE OF OPERATION THE PUMP SHALL BE CALLED TO START BY THE RTU BASED UPON SYSTEM PRESSURE: PUMP UP.

THE PLC PROGRAMMER SHALL PROVIDE PROGRAMMING DOCUMENTATION THAT FULLY DESCRIBES THE APPLICATION PROGRAM FUNCTION AND APPLICATION.

IN ADDITION TO THE REQUIRED APPLICATION PROGRAMMING AND WARRANTY SERVICE THE CONTRACTOR/SYSTEM SUPPLIER SHALL PROVIDE 4 HRS OF ON SITE RTU PROGRAMMING SERVICES. ALLOTTED PROGRAMMING HOURS ARE IN ADDITION TO THE REQUIREMENTS OF THE SPECIFICATION TO PROVIDE FOR A COMPLETE AND OPERATIONAL SYSTEM.

4. TESTING

TEST THE SYSTEM TO THE OWNER'S SATISFACTION

751-0952 751-0953 Suite 404 CA 95993

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, SPECIFIC, OTES RAM AND

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(E) SCADA COMMUNICATIONS SYSTEM BLOCK DIAGRAM WITH MODIFICATIONS NEW EQUIPMENT SHOWN IN HEAVIER LINE WEIGHT THAN EXISTING OR FUTURE (REFERENCE ASC DRAWINGS 1322964)

VFD STRIPPER

(E) CITY WELL #5 SITE