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PALO VERDE COUNTY WATER DISTRICT - NORTH BOLTED TANK REPLACEMENT AND FILTER INSTALLATION PROJECT

PROJECT INFORMATION

OWNER

ENGINEER

1065 DESERT VIEW ROAD PALO VERDE, CA 92266 TEL. (760) 834-3519

203 COUNTRYSIDE DRIVE EL CENTRO, CA 92243

TEL. (760) 960-8500

EMAIL: daviddalePE@gmail.com

AGENCY CONTACTS

PALO VERDE COUNTY WATER DISTRICT 1065 DESERT VIEW ROAD PALO VERDE, CA 92266 TEL. (760) 834-3519

SOUTHERN CALIFORNIA EDISON PHONE: 800-655-4555

IMPERIAL COUNTY COMMUNITY AND ECONOMIC DEVELOPMENT ESPERANZA COLIO WARREN IMPERIAL COUNTY PUBLIC HEALTH DEPARTMENT (LPA)
JORGE PEREZ COMMUNITY AND ECONOMIC DEVELOPMENT MANAGER ENVIRONMENTAL HEALTH SERVICES MANAGER 940 W MAIN STREET, SUITE 203 797 MAIN STREET, SUITE B EL CENTRO, CA 92243 PHONE: 442-265-1888

EL CENTRO, CA 92243 PHONE: 442-265-1101

EMAIL: esperanzacolio@co.imperial.ca.us

5. FILTER PLAN

SITE PLAN

4. TANK DETAILS

3. 125,000 GALLON TANK PLAN

6. DETAILS

ELECTRICAL

PROJECT LOCATION

THE PROPOSED PROJECT IS LOCATED AT THE EXISTING PALO VERDE COUNTY WATER DISTRICT WATER TREATMENT PLANT AT 3719 ICE PLANT ROAD, PALO VERDE CALIFORNIA 92266. THE WATER PLANT IS APPROXIMATELY TWO MILES SOUTH OF THE TOWN OF PALO VERDE, ALONG STATE HIGHWAY 78 AT THE INTERSECTION OF BUTLER ROAD AND STATE HIGHWAY 78.

GENERAL NOTES

- ALL WORK, MATERIALS AND METHODS OF CONSTRUCTION SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (THE GREENBOOK) CURRENT EDITION AND AMERICAN WATER WORKS ASSOCIATION STANDARDS. IF CONTRADICTIONS ARISE BETWEEN VARIOUS CODES, THE MOST RESTRICTIVE STANDARDS APPLY
- 2. TRENCHING AND BACKFILL SHALL COMPLY WITH THE RECOMMENDATIONS OF THE PLANS
- 3. THE CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS. INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY, AND SHALL NOT BE LIMITED TO NORMAL WORKING HOURS.
- 4. ALL DRAWINGS ARE CONSIDERED TO BE A PART OF THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REVIEW AND COORDINATION OF ALL DRAWINGS AND SPECIFICATIONS PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES THAT OCCUR SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO START OF CONSTRUCTION SO THAT A CLARIFICATION CAN BE ISSUED. ANY WORK PERFORMED IN CONFLICT WITH THE CONTRACT DOCUMENTS OR ANY CODE REQUIREMENTS SHALL BE CORRECTED BY THE CONTRACTOR AT THEIR OWN EXPENSE AND AT NO EXPENSE TO THE OWNER OR ENGINEER.
- 5. THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR OR LIABLE FOR UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF
- 6. NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. WHERE NO DETAILS ARE GIVEN, CONSTRUCTION SHALL BE AS SHOWN FOR SIMILAR WORK.
- . THE EXISTENCE, LOCATION AND CHARACTERISTICS OF UNDERGROUND UTILITY INFORMATION SHOWN ON THESE PLANS HAVE BEEN OBTAINED FROM A REVIEW OF AVAILABLE RECORD DATA. NO REPRESENTATION IS MADE AS TO THE ACCURACY OR COMPLETENESS OF SAID UTILITY INFORMATION. THE CONTRACTOR SHALL TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS. CONTRACTOR WILL VERIFY
- 8. IF AT ANY TIME DURING EXCAVATION OPERATIONS ANY UNFAVORABLE GEOLOGICAL CONDITIONS ARE ENCOUNTERED. INCLUDING BUT NOT LIMITED TO THE UNCOVERING OF ARTICLES POTENTIALLY ARCHEOLOGICAL IN NATURE, EXCAVATION 1N THAT AREA WILL STOP UNTIL APPROVED CORRECTIVE MEASURES ARE OBTAINED. CONTRACTOR WILL VERIFY LOCATIONS
- 9. ALL DEBRIS AND FOREIGN MATERIAL SHALL BE REMOVED FROM THE SITE AND DISPOSED OF AT APPROVED DISPOSAL SITES. THE CONTRACTOR SHALL OBTAIN NECESSARY PERMITS FOR THE TRANSPORTATION OF MATERIAL TO AND FROM THE SITE.
- 10. DIMENSIONS TO PIPELINES ARE TO CENTERLINE UNLESS OTHERWISE NOTED.
- 11. THE CONTRACTOR SHALL REPLACE ALL EXISTING IMPROVEMENTS DAMAGED DURING CONSTRUCTION TO MATCH EXISTING, INCLUDING PERMANENT TRENCH RESURFACING.
- 12. ALL DIMENSIONS ARE IN FEET OR DECIMALS THEREOF
- 13. WATER SHALL BE PROVIDED ONSITE AND USED TO CONTROL DUST DURING CONSTRUCTION OPERATIONS
- 14. A GEOTECHNICAL FIRM SHALL ALSO BE RESPONSIBLE TO VERIFY AND REPORT THAT PROPER COMPACTION HAS BEEN OBTAINED BY SUBCONTRACTORS AND AGENCIES CONCERNING UTILITY LINE BACKFILL (INCLUDING, BUT NOT LIMITED TO WATER LINES, ELECTRICAL AND LANDSCAPE IRRIGATION LINES).
- 15. IF ANY UNFORESEEN SUB-SURFACE STRUCTURES ARE ENCOUNTERED DURING CONSTRUCTION, THEY SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING FURTHER.
- 16. UNSUITABLE MATERIAL THAT IS EXCAVATED BY THE CONTRACTOR THAT CANNOT BE USED AS FILL SHALL BE DISPOSED OF OFF-SITE BY THE CONTRACTOR.
- CONSTRUCTION AND IS REQUIRED TO REPLACE THEM TO THEIR ORIGINAL CONDITION.
- 18. CONTRACTOR SHALL MAINTAIN ACCESS TO EXISTING FIRE LANES AT ALL TIMES. COORDINATE WITH FIRE AUTHORITY

17. CONTRACTOR SHALL REPLACE ANY SURFACE OR SUBSURFACE IMPROVEMENTS DAMAGED OR REMOVED DUE TO

- 19. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY INSPECTIONS PRIOR TO POURING ANY CONCRETE.
- 20. CONTRACTOR IS RESPONSIBLE FOR EROSION, DUST, MUD, SILT, DEBRIS AND TEMPORARY DRAINAGE CONTROL DURING **EXCAVATION OPERATIONS.**

- 21. THE TERM "INSPECTION" OR INSPECT' AS USED IN THESE CONTRACT DOCUMENTS SHALL BE TAKEN TO MEAN "OBSERVE" OR "OBSERVATION". THE ENGINEER IS NOT RESPONSIBLE FOR THE CONTRACTOR'S CONSTRUCTION METHODS.
- 22. SUBMIT SHOP DRAWINGS AND LAYOUT DRAWINGS FOR ALL MATERIALS PRIOR TO ANY MATERIAL PURCHASE OR INSTALLATION FOR REVIEW/APPROVAL BY THE ENGINEER.
- 23. REMOVE NTERFERING PORTIONS OF EXISTING ABANDONED UTILITIES AS REQUIRED TO CONSTRUCT PROJECT. VERIFY ABANDONED STATUS PRIOR TO REMOVAL.
- 24. IN THE COURSE OF RUNOFF WATER CONTROL, THE CONTRACTOR SHALL PROTECT ALL WATER COURSES, THE GROUND WATER
- BODIES OF WATER FROM POLLUTION BY FUEL, OILS, BITUMENS OR OTHER HARMFUL MATERIALS 25. HARD HAT AND HIGH VISIBILITY ORANGE VESTS SHALL BE WORN AT ALL TIMES WHEN WORKING ON THE PROJECT.
- 26. CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT 48 HOURS PRIOR TO ANY EXCAVATION. 811
- 27. CONTRACTOR SHALL NOTIFY THE PALO VERDE COUNTY WATER DISTRICT 48 HOURS PRIOR TO COMMENCEMENT OF WORK. TELEPHONE:760-854-3519
- 28. THE CONTRACTOR SHALL PROVIDE THE DISTRICT CHIEF OPERATOR WRITTEN NOTICE AS TO THE PROPOSED TIME OF CONNECTION TO AN EXISTING DISTRICT WATERLINE UNINTERRUPTED SERVICE SHALL BE PROVIDED TO THE CONSUMER EXCEPT IN INSTANCES. SPECIFICALLY APPROVED BY THE DISTRICT CHIEF OPERATOR. SAID NOTICE SHALL OUTLINE THE SEQUENCE OF WORK REQUIRED TO MAKE CONNECTION VERIFY ALL AFFECTED WATER USERS AND ESTIMATE THE DURATION OF ANY PROPOSED SHUTDOWN TIME. SPECIFIC APPROVAL OF THE DISTRICT CHIEF OPERATOR SHALL BE REQUIRED PRIOR TO ANY SHUTDOWN. 24-HOUR WRITTEN NOTICE SHALL BE PROVIDED BY THE CONTRACTOR TO ALL AFFECTED CONSUMERS. THE CONTRACTOR SHALL NOTIFY THE DISTRICT CHIEF OPERATOR 48 HOURS PRIOR TO STARTING ANY WORK. THE CONNECTION TO EXISTING DISTRICT WATERLINE SHALL BE SUPERVISED BY THE DISTRICT CHIEF OPERATOR.
- 29. ALL DRAINING OF EXISTING WATER MAINS AT TIE-INS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR
- 30. ALL WATER LINE INSTALLATIONS SHALL BE CHLORINATED IN ACCORDANCE WITH THE STATE OF CALIFORNIA HEALTH DEPARTMENT, CONSISTING OF NOT LESS THAN 50 PPM INITIAL DOSAGE WITH NOT LESS THAN 25 PPM RESIDUAL DOSAGE, AFTER 24-HOURS. INSTALLATIONS SHALL BE FLUSHED AND A 48-HOUR BACTI TEST SHALL BE REQUIRED PRIOR TO PRESSURE TESTING. ALL TESTING AND TESTING METHODS SHALL BE APPROVED BY THE COUNTY ENGINEER. DISINFECTION REQUIREMENTS AT PIPE CONNECTIONS AND SHORT PIPE RUNS MAY BE ACCOMPLISHED IN ACCORDANCE WITH AVVVVA STANDARDS.
- 31. ALL SYSTEM PIPING SHALL BE HYDROSTATICALLY TESTED PER GREENBOOK STANDARDS, LATEST EDITION.
- 32. PRIOR TO PLACING NEW/ALTERED WATER PIPELINE SECTIONS IN SERVICE, OR AFTER DEPRESSURIZING AN EXISTING WATER PIPELINE SECTION BELOW 5 PSI. A BACTERIA TEST IS TO BE COMPLETED AND THE RESULTS ARE TO BE REVIEWED BY THE LPA FOR APPROVAL FOR MINOR PIPELINE WORK INVOLVING THE CUTTING INTO OR REMOVING OR REPAIRING EXISTING SMALL LENGTH PIPING, VALVES OR FITTINGS DISINFECTION MAY BE ALLOWED PER AWWA C651-14 WITHOUT THE NECESSITY OF COMPLETING BACTERIAL TESTING IF APPROVED BY THE LPA.
- 33. THE CONTRACTOR SHALL FIELD VERIFY THE TYPE OF EXISTING JOINT AT ALL POINTS OF CONNECTION, AND IS RESPONSIBLE FOR PROVIDING ALL FITTINGS WITH THE JOINTS REQUIRED TO MAKE CONNECTIONS TO EXISTING PIPELINES.
- 34. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL GEOTECHNICAL REPORTS TO THE COUNTY OF IMPERIAL FOR COMPACTION, CONCRETE STRENGTH, ETC.
- 35. ALL TREATMENT CHEMICALS USED SHALL BE NSF 60 CERTIFIED. ALL MATERIALS USED ON THIS PROJECT SHALL BE NSF 61
- 2. THE CONTRACTOR SHALL DEMOLISH AND REMOVE FROM THE SITE ALL EXISTING UTILITIES, STRUCTURES, AND ALL OTHER SITE FEATURES, UNLESS OTHERWISE NOTED ON THE PLAN.
- THE CONTRACTOR SHALL BE FAMILIAR WITH AND RESPONSIBLE FOR CLEARING THE SITE IN PREPARATION FOR CONSTRUCTION. THE ENGINEER OF RECORD ASSUMES NO LIABILITY FOR THE EXISTENCE AND LOCATIONS OF UNDERGROUND UTILITY LINES, STRUCTURES OR IRRIGATION LINES. THE CONTRACTOR IS TO MAKE AN ON-SITE INSPECTION AND NOTIFY ALL UTILITY AND

4. IRRIGATION COMPANIES PRIOR TO WORK OR EXCAVATION TO DETERMINE THE EXACT LOCATION OF ANY AND ALL UNDERGROUND

- 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY AND ALL PERMITS AND SHALL PAY ALL FEES NECESSARY FOR
- GRADING AND DEMOLITION AS REQUIRED BY PRIVATE, LOCAL AND STATE JURISDICTIONS
- 6. THE CONTRACTOR SHALL VERIFY AND LOCATE ALL EXISTING ABOVE AND UNDERGROUND UTILITIES. LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE AND ARE SHOWN FOR GENERAL INFORMATION ONLY 7. DAMAGE TO ANY EXISTING UTILITIES AND SERVICES TO REMAIN SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- CONTRACTOR SHALL REPAIR AND/OR REPLACE IN KIND. ANY WALLS, FENCES, STRUCTURES AND/OR APPURTENANCES ADJACENT TO THIS PROJECT SHALL BE PROTECTED IN PLACE. IF
- 8. GRADING OPERATIONS DAMAGE OR ADVERSELY AFFECT SAID ITEMS IN ANY WAY, THE CONTRACTOR/DEVELOPER IS RESPONSIBLE FOR WORKING OUT AN ACCEPTABLE SOLUTION TO THE SATISFACTION OF THE AFFECTED PROPERTY OWNER(S).
- 9. CONTRACTOR AND CONSTRUCTION MANAGER SHALL MAINTAIN RECORD DRAWINGS OF ALL UTILITIES ENCOUNTERED DURING
- DEMOLITION, AND RECORD THE LOCATIONS OF ALL CAPPED UTILITIES.
- COORDINATE SALVAGE OF REMOVAL ITEMS/EQUIPMENT WITH THE OWNER.
- CONTRACTOR MUST OBTAIN A DUST PERMIT AND IMPLEMENT THE PROVISIONS OF THE DUST PERMIT DURING CONSTRUCTION

EMAIL: jorgeperez@co.imperial.ca.us

- 1. LOCATIONS AND DEPTHS OF UNDERGROUND UTILITIES SHOWN ARE APPROXIMATE AND BASED ON AVAILABLE RECORD DRAWINGS. LOCATIONS AND DEPTHS OF EXISTING WATER PIPELINES ARE UNKNOWN.
- 2. CONTRACTOR 1S RESPONSIBLE FOR COORDINATING THE MARK-OUT OF ALL UNDERGROUND FACILITIES PRIOR TO ANY
- NO LESS THAN 3 WORKING DAYS PRIOR TO ANY EXCAVATION OR TRENCHING, EACH CONTRACTOR DOING SUCH WORK SHALL CONTACT THE FOLLOWING AGENCIES SO THAT EXISTING UNDERGROUND UTILITIES MAY BE LOCATED, THE AGENCY
- 4. PALO VERDE COUNTY WATER DISTRICT(760)854-3519

MAY REQUIRE AN INSPECTOR TO BE PRESENT.

- SOUTHERN CALIFORNIA EDISON(760)922-9158
- 6. VERIZON(928)669-2414
- 7. PRIOR TO EXCAVATING FOOTINGS FOR LIGHTS OR CONCRETE PADS AND SLABS. THE CONTRACTOR SHALL CONFIRM THAT NO UNDERGROUND UTILITIES ARE WITHIN A HORIZONTALLY OF THE PROPOSED EXCAVATION.
- 8. ANY UTILITY FOUND TO BE WITHIN 3' OF THE EXCAVATION SHALL BE BROUGHT TO THE ATTENTION OF THE CONSTRUCTION MANAGER. THE LOCATION OF THE STREET LIGHT, CONCRETE PAD AND SLABS MAY BE ADJUSTED AS DIRECTED BY THE
- 9. CONTRACTOR TO TAKE PRECAUTIONARY MEASURES TO PROTECT EXISTING WATER MAINS DURING PREPARATION OF SUBGRADE.

THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL RUBBISH, WASTE MATERIALS, EXISTING PAVEMENT, CONCRETE DEBRIS AND ALL OTHER MATERIAL RESULTING FROM DEMOLITION ACTIVITIES. SURPLUS NATIVE MATERIAL SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR

THE CONTRACTOR SHALL COMPLY WITH SAFETY AND PROTECTION REQUIREMENTS NOTED IN THE GENERAL CONDITIONS, AND ALL PERTINENT PROVISIONS OF THE DEPARTMENT OF LABOR "SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION." TITLE 29, PARTS 1910 AND 1926 (ALSO NOTED IN THE TECHNICAL SPECIFICATIONS), WITH ADDITIONS OR MODIFICATIONS THERETO, IN EFFECT DURING CONSTRUCTION OF THIS PROJECT.

ALL HEAVY CONSTRUCTION MACHINERY TO INCLUDE TRENCHING MACHINES, BULLDOZERS, BACKHOES, ETC., MUST BE EQUIPPED WITH A ROLL BAR MEETING THE REQUIREMENTS OF THE ABOVE REGULATION. SAFETY HELMETS SHALL BE WORN BY ALL PERSONNEL WORKING AT THE SITE. IN ADDITION, ALL SPECTATORS AND INSPECTORS SHALL BE REQUIRED TO WEAR SAFETY HELMETS IN CONSTRUCTION ZONE. STEEL TOE SAFETY SHOES OR BOOTS, LONG SLEEVE SHIRTS AND LONG PANTS SHALL BE WORN BY ALL PERSONNEL WORKING AT THE SITE

ANY ITEM OF WORK CALLED OUT BY THE CONTRACT PLANS OR SPECIFICATIONS AND NOT SPECIFICALLY NOTED AS A BID ITEM ON THE PROPOSAL SHALL BE CONSIDERED INCIDENTAL TO ONE OF THE BID ITEMS ON THE PROPOSAL FORM.

PRESIDENT

DIRECTOR

DIRECTOR

PVCWD

DAVID MCLAUGHLIN

JANE AYALA

DAVID KHORY

JESS PRESTON

DIRECTOR

KATHI FRICE-SANDERS

OFFICE MANAGER

BARBARA HOPTON

DARIN KANE OPERATOR

PROJECT DESCRIPTION

THE NORTH 125,000 GALLON BOLTED STEEL GROUND STORAGE RESERVOIR IS TO BE DEMOLISHED AND REPLACED. THE TANK IS CURRENTLY FULL. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THE EXISTING BOLTED STEEL TANK, AND INSTALL A NEW BOLTED STEEL TANK PER THE DETAILS ON THE FOLLOWING SHEETS. A TRIHALOMETHANE (THM) REDUCTION SYSTEM SHALL BE INSTALLED IN THE NORTH TANK, WHICH CONSISTS OF A WATER RECIRCULATION SYSTEM FROM THE DISTRIBUTION PUMPS TO (2) SPECIALLY DESIGNED SPRAYERS THAT VOLITIZE THE THM. A VENTALATOR MOVES AIR THROUGH THE TANK REMOVING SOME OF THE THM.

SHEET INDEX

1. TITLE SHEET, VICINITY MAP AND GENERAL NOTES

THE SOUTH TANK AND THE EXISTING WATER TREATMENT SYSTEM SHALL REMAIN IN SERVICE AT ALL TIMES DURING THE REPLACEMENT OF THE SOUTH TANK. STAGING AREA TO BE WITHIN FENCED WATER TREATMENT PLANT BOUNDARIES.

A REDUNDANT PRESSURIZED WATER FILTER SHALL BE INSTALLED, INCLUDING ALL NECESSARY PIPING AND VALVES. THE DISTRIBUTION PUMPS WILL BE REPAIRED: THE EXISTING PUMP CASINGS ARE CAST IRON AND ARE CORRODED. THE NEW CASINGS WILL BE STAINLESS STEEL. ADDITIONALLY THE EXISTING PUMP CHECK VALVES ARE FAILING AND REQUIRE REPLACEMENT

NOTES TO CONTRACTOR

CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL 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 DESIGN PROFESSIONAL. ALL PERSONNEL SHALL ADHERE TO ALL NECESSARY SAFETY REQUIREMENTS, INCLUDING WEARING HARD HATS, SAFETY VESTS, EYE PROTECTION, LONG SLEEVE SHIRTS, EAR PROTECTION, STEEL TOE BOOTS, AND OTHERS AT ALL TIMES.

CONTRACTOR IS RESPONSIBLE TO COMPLETE A FIELD INSPECTION OF THE SITE PRIOR TO BIDDING THE PROJECT AND BE THOROUGHLY FAMILIARIZED WITH THE EXISTING VISIBLE CONDITIONS. THE DRAWINGS ARE DIAGRAMMATIC IN NATURE, THE PROJECT WILL REQUIRE THE CONTRACTOR TO PROVIDE FITTINGS AND APPURTENANCES NOT SHOWN AND ROUTE THE ABOVE GROUND PIPING AS NECESSARY IN THE FIELD. NO CHANGES WILL BE ALLOWED TO THE CONTRACT WITH REGARD TO ISSUES THAT THE CONTRACTOR COULD HAVE REASONABLY FORESEEN.

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES, CONDUITS OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE THERE ARE NO EXISTING UTILITIES EXCEPT AS SHOWN ON THESE PLANS. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN ON THESE DRAWINGS. THE CONTRACTOR FURTHER ASSUMES ALL LIABILITY AND RESPONSIBILITY FOR THE UTILITY PIPES, CONDUITS OR STRUCTURES SHOWN OR NOT SHOWN ON THESE DRAWINGS.

CONTRACTOR TO POSSES A VALID CLASS A CONTRACTOR'S LICENSE IN THE STATE OF CALIFORNIA FOR ALL WORK SHOWN IN THESE PLANS.

NO WORK SHALL BE DONE ON THIS SITE UNTIL BELOW AGENCY IS NOTIFIED OF INTENTION TO GRADE OR EXCAVATE. **Underground Service Alert** TWO WORKING DAYS BEFORE YOU DIG.

APPROVED | DATE NO. | REVISIONS:

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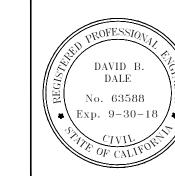
these plans. All changes to the plans must be in writing and must be

approved by the preparer of these plans.

BENCH MARK: TEMPORARY PROJECT BENCHMARK

BENCHMARK DESCRIPTION: CHISLED "X" ON THE NORTHWEST CORNER OF A PCC SLAB LOCATED SOUTHEAST OF THE ENTRANCE GATE TO THE WATER TREATMENT PLANT ELEVATION = 233.00

DAMD DALE, PE 203 COUNTRYSIDE DRIVE EL CENTRO, CA 92243 PH: (760) 960-8500 EMAL: DAMDDALEPE@GMAIL.COM



PREPARED UNDER THE DIRECT SUPERVISION OF:

ASSISTANT OFFICE MANAGER

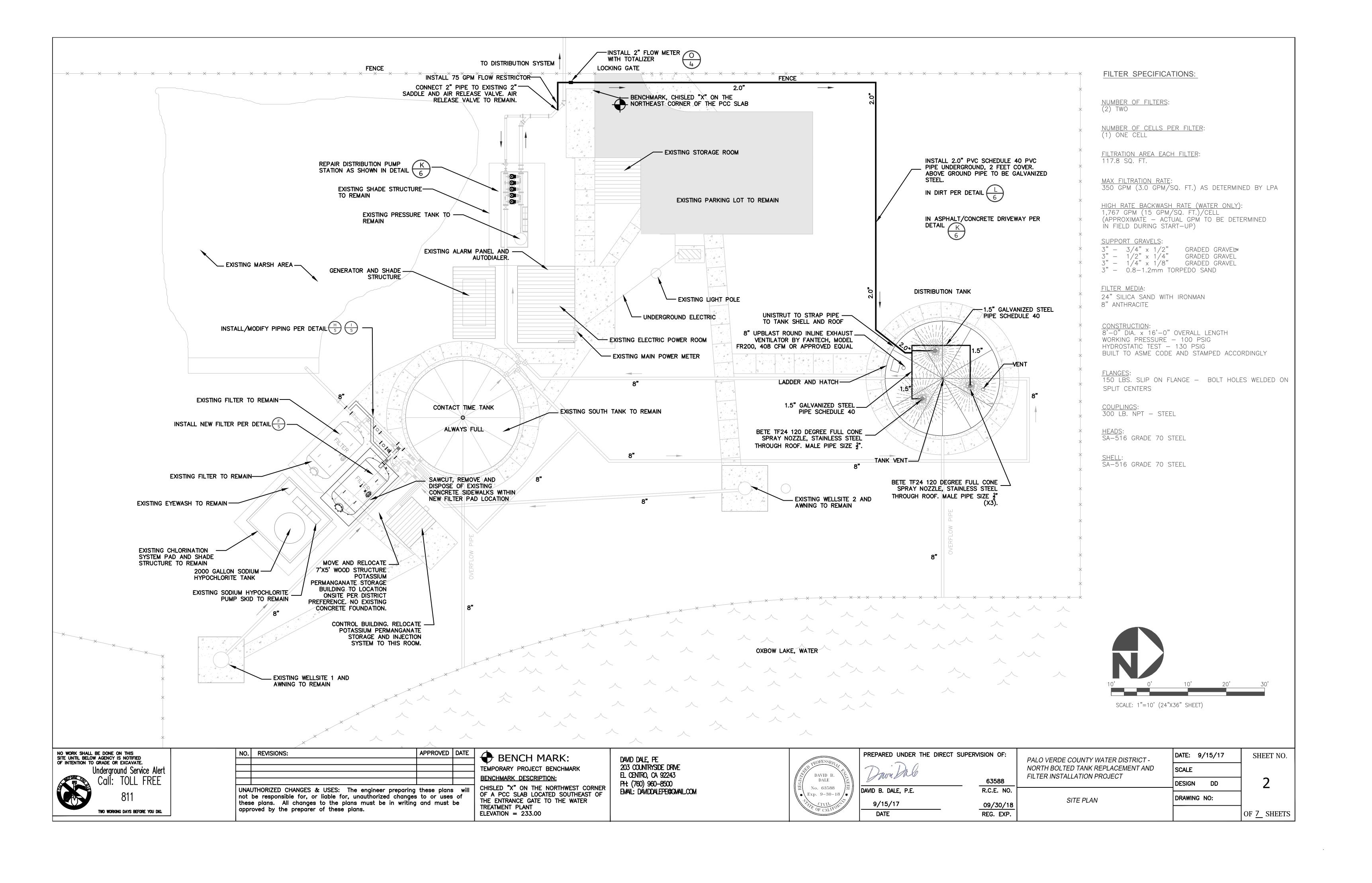
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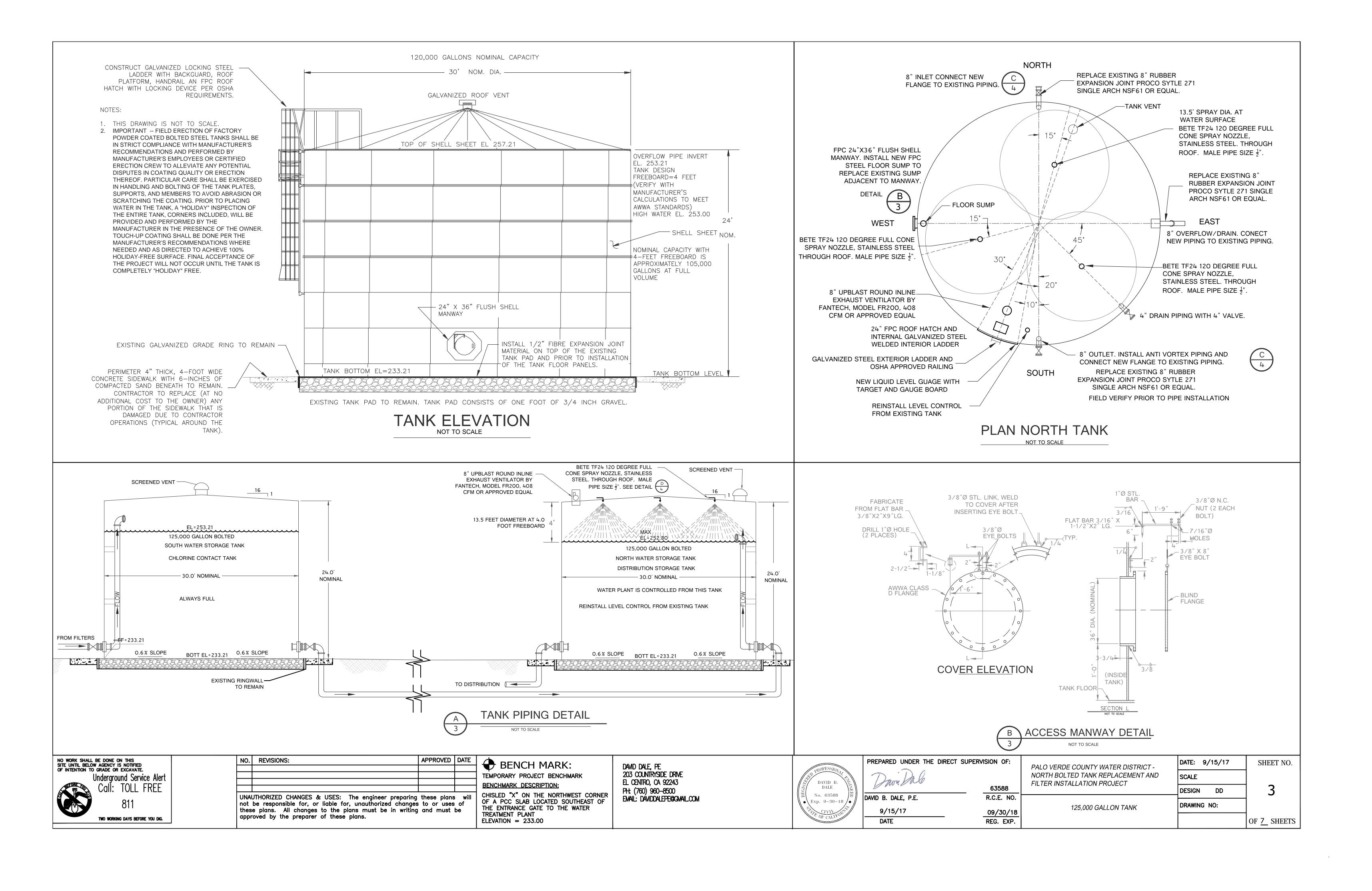
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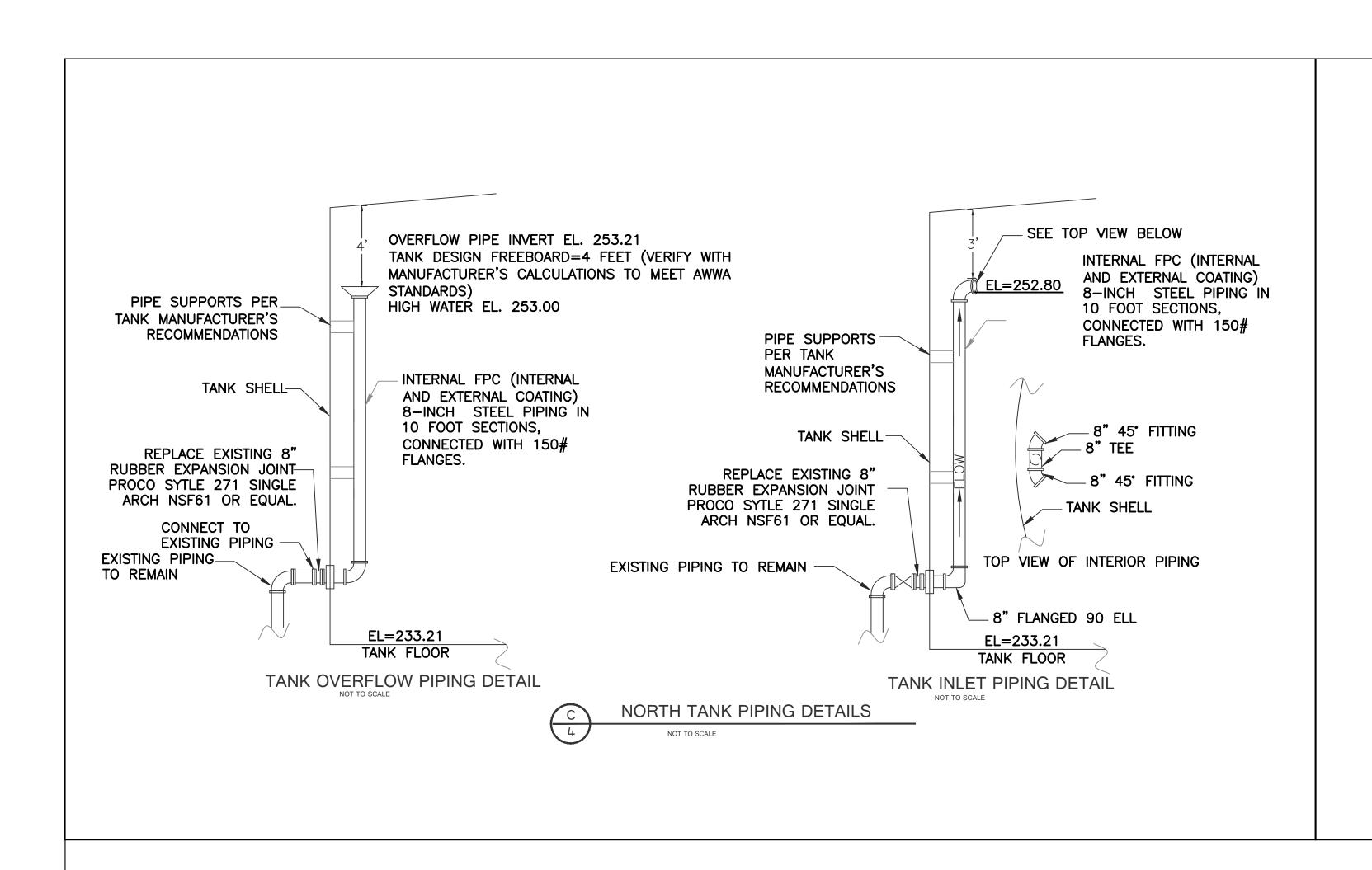
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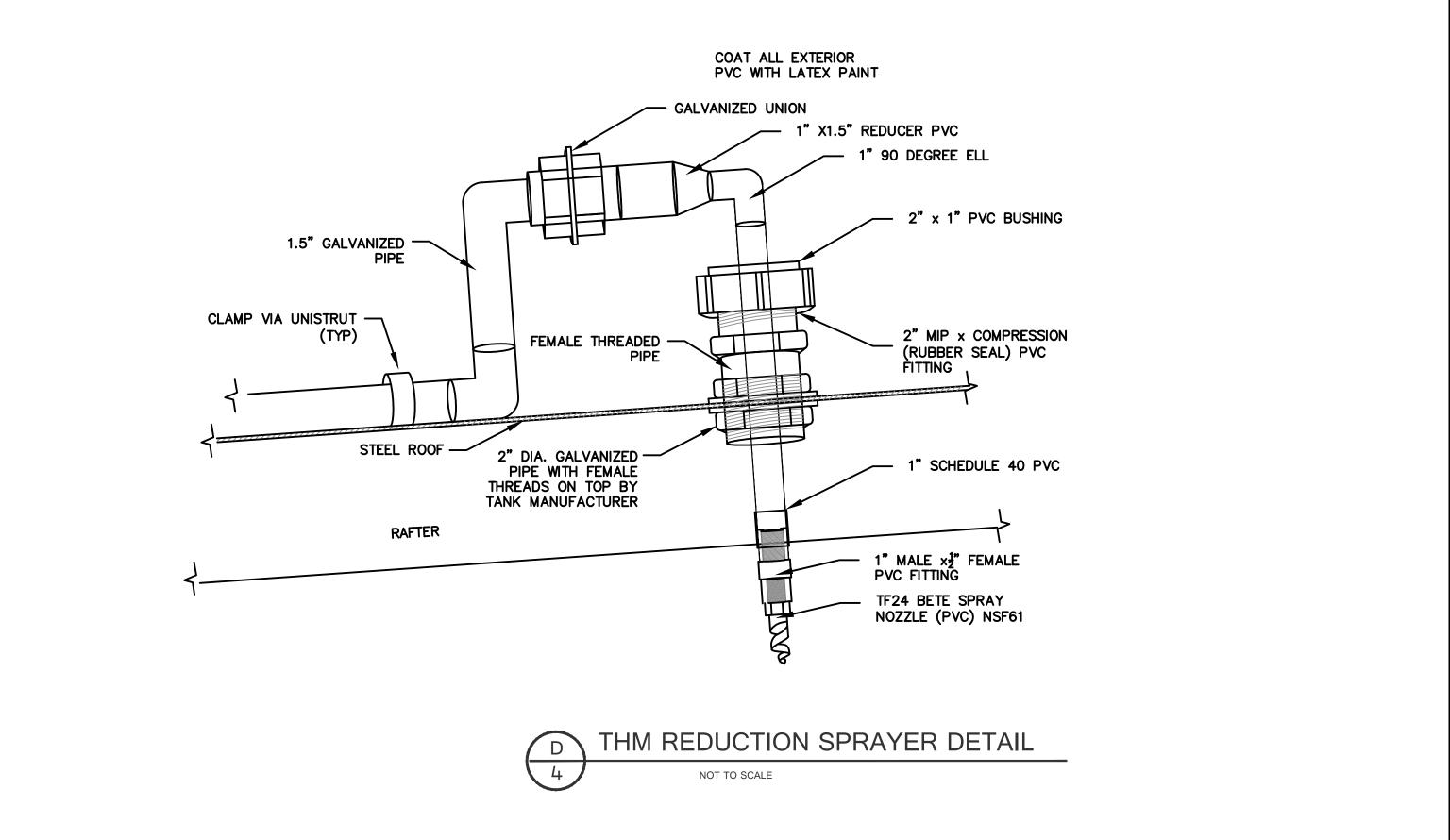
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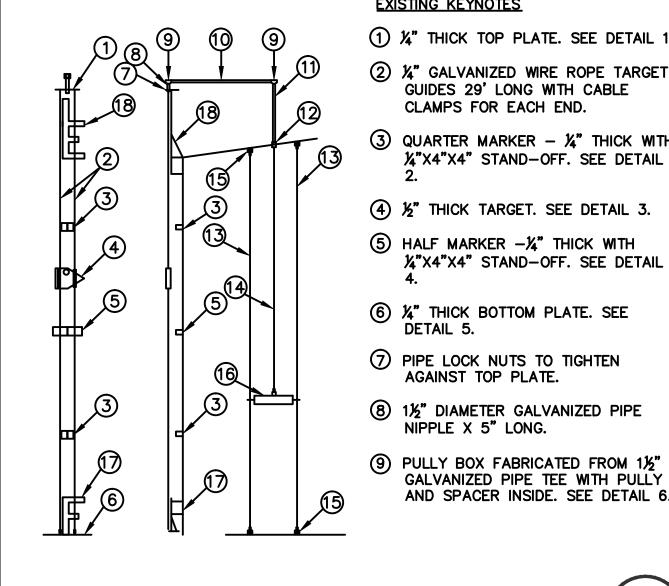
DATE: 9/15/17 SHEET NO. PALO VERDE COUNTY WATER DISTRICT NORTH BOLTED TANK REPLACEMENT AND **SCALE** FILTER INSTALLATION PROJECT DESIGN DD DRAWING NO: TITLE SHEET OF <u>7</u> SHEETS











EXISTING KEYNOTES

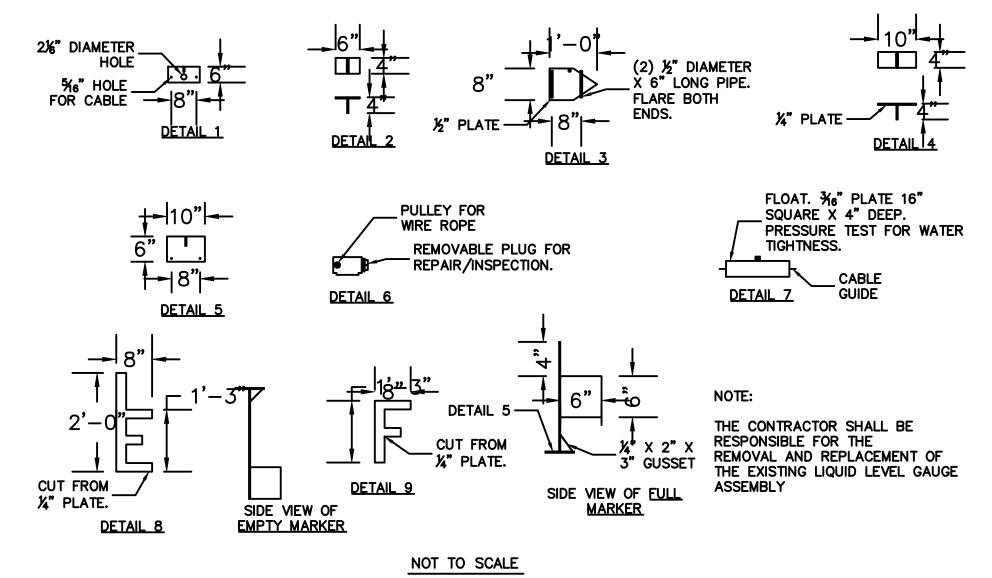
DETAIL 5.

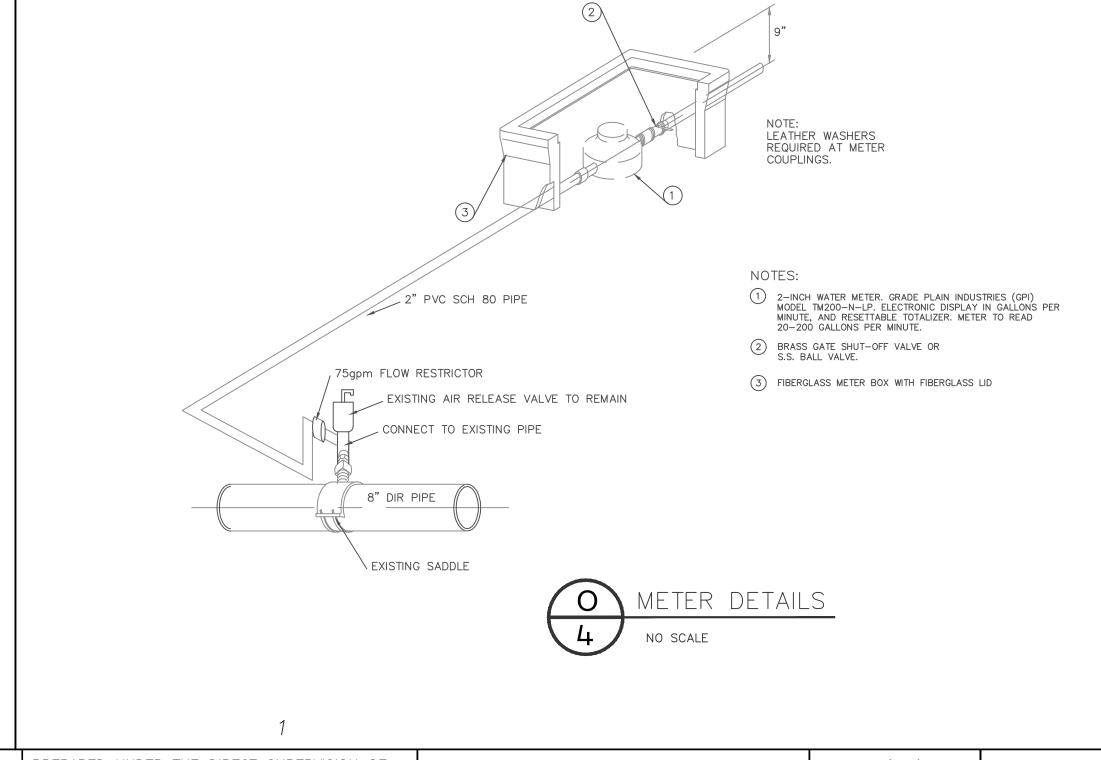
AGAINST TOP PLATE.

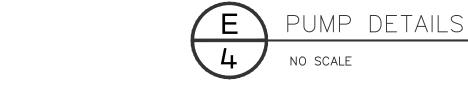
NIPPLE X 5" LONG.

GALVANIZED PIPE TEE WITH PULLY

- 1) 1/4" THICK TOP PLATE. SEE DETAIL 1. 10 1/2" DIAMETER GALVANIZED PIPE NIPPLE X 40½" LONG.
- (2) 1/4" GALVANIZED WIRE ROPE TARGET ① 1½" DIAMETER GALVANIZED PIPE GUIDES 29' LONG WITH CABLE CLAMPS FOR EACH END. NIPPLE X 18" LONG.
- 3 QUARTER MARKER 1/4" THICK WITH 12 1/2" FORGED THREAD COUPLING 1/4"X4"X4" STAND-OFF. SEE DETAIL WELDED IN ROOF.
- (3) 1/4" GALVANIZED WIRE ROPE FLOAT 4) 1/2" THICK TARGET. SEE DETAIL 3. GUIDES 28' LONG WITH CABLE
- CLAMP AT EACH END. ATTACHED (5) HALF MARKER -14" THICK WITH 1/2"X4"X4" STAND-OFF. SEE DETAIL 14 %" GALVANIZED WIRE ROPE FOR
- FLOAT/TARGET. 34' LONG WITH 6 1/4" THICK BOTTOM PLATE. SEE CABLE CLAMPS AT EACH END.
 - (5) ¼" X 2" SQUARE CLIPS WITH 1" HOLE IN CENTER. WELD TO FLOOR AND ROOF FOR CABLE.
 - 16 16" SQUARE X 4" FLOAT X 3/6" THICK PLATE. SEE DETAIL 7.
 - 17 1/4" THICK EMPTY MARKER PLATE. SEE DETAIL 8. AND SPACER INSIDE. SEE DETAIL 6.
 - 18 1/4" THICK FULL MARKER PLATE. SEE DETAIL 9.







NO WORK SHALL BE DONE ON THIS SITE UNTIL BELOW AGENCY IS NOTIFIED OF INTENTION TO GRADE OR EXCAVATE. NO. REVISIONS: APPROVED DATE Underground Service Alert

BENCH MARK: TEMPORARY PROJECT BENCHMARK **BENCHMARK DESCRIPTION:** CHISLED "X" ON THE NORTHWEST CORNER OF A PCC SLAB LOCATED SOUTHEAST OF THE ENTRANCE GATE TO THE WATER

TREATMENT PLANT

ELEVATION = 233.00

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DAVID B. DALE No. 63588 **★**\Exp. 9-30-18,

9/15/17

DATE

PREPARED UNDER THE DIRECT SUPERVISION OF: 63588 R.C.E. NO. DAVID B. DALE, P.E.

PALO VERDE COUNTY WATER DISTRICT NORTH BOLTED TANK REPLACEMENT AND FILTER INSTALLATION PROJECT TANK AND PIPING DETAILS

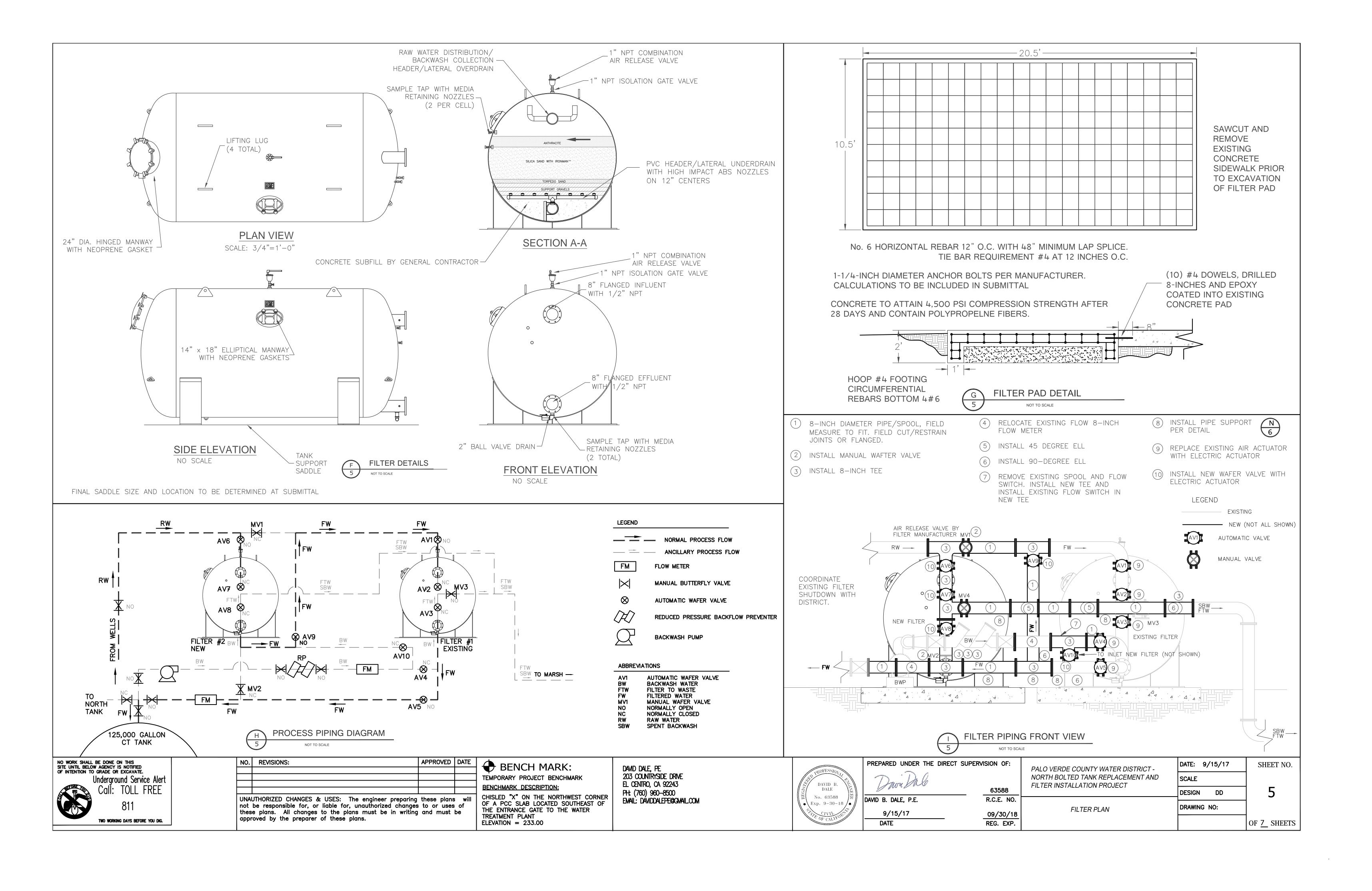
DATE: 9/15/17 SHEET NO. SCALE DESIGN DD DRAWING NO:

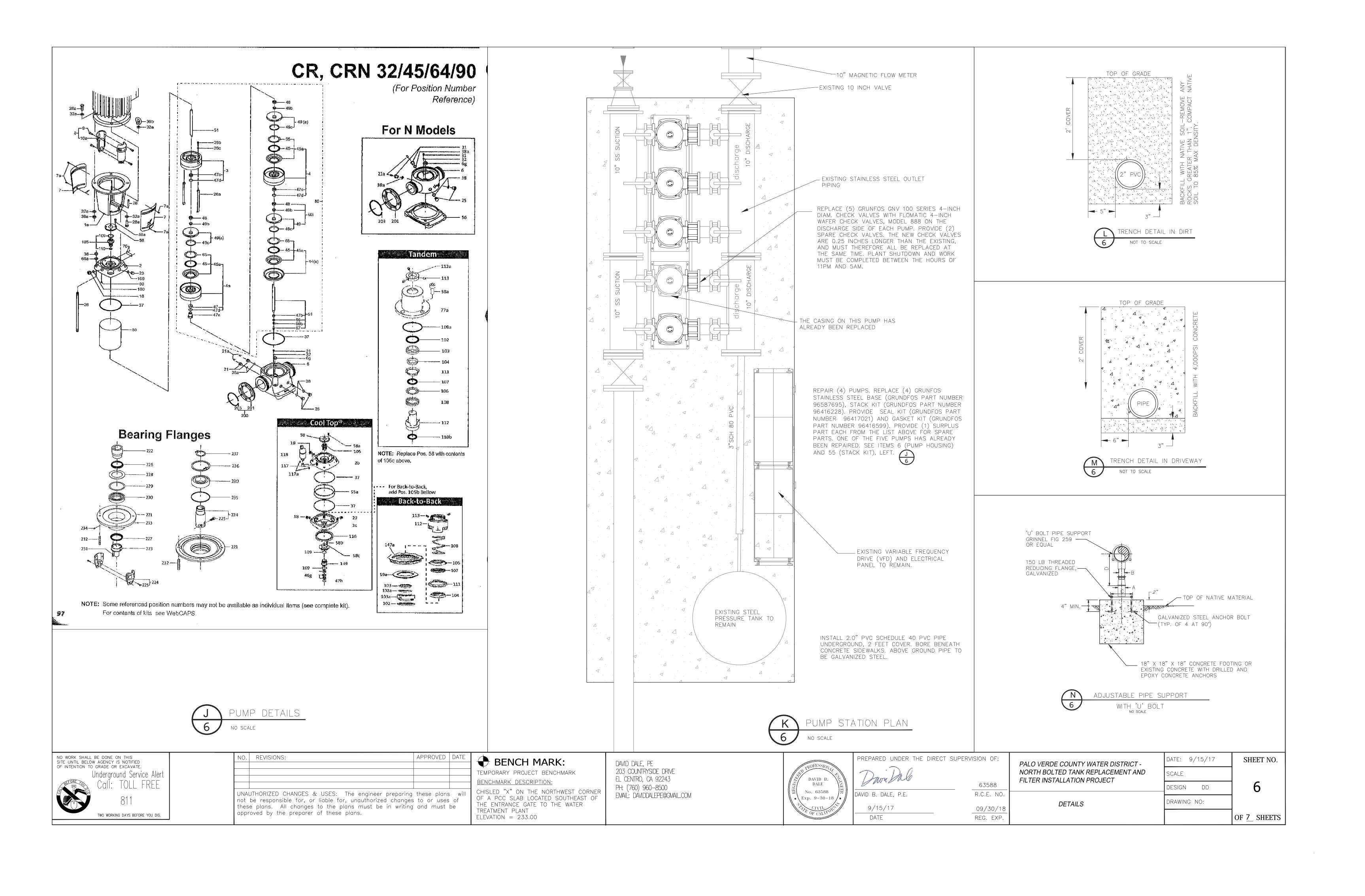
TWO WORKING DAYS BEFORE YOU DIG.

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09/30/18 REG. EXP.

OF <u>7</u> SHEETS





ELECTRICAL GENERAL NOTES:

1. ALL MATERIALS AND WORKMANSHIP TO BE NEW AND OF FIRST RATE QUALITY. MATERIALS TO BE UL LISTED AND APPROVED. ALL MATERIALS AND EQUIPMENT SHALL BE INSTALLED IN COMPLIANCE WITH THE CURRENT ADOPTED EDITION OF THE CALIFORNIA ELECTRICAL CODE AND ANY OTHER STATE AND LOCAL APPLICABLE CODES.

2. ALL CEILING, FLOOR, AND WALL PENETRATIONS AND BOXES SHALL BE CAULKED/SEALED TO PRESERVE FIRE RATINGS AND WATER PROOF INTEGRITY. FIRESTOPPING OF PENETRATIONS IN AND THROUGH FIRE RATED FLOORS, CEILINGS & WALLS SHALL BE IN ACCORDANCE WITH IBC & UL AND AS REQUIRED BY THE FIRESTOPPING MANUFACTURER FOR THE CONSTRUCTION TYPE & FIRE RATING SPECIFIED (SEE ARCHITECTURAL DRAWINGS). THE FIRESTOPPING SYSTEM SHALL BE LISTED AND TESTED TO UL-1479 & ASTM E-814. INSTALL IN STRICT COMPLIANCE WITH THE MANUFACTURER INSTRUCTIONS.

3. ALL ELECTRICAL CONDUCTORS SHALL BE COPPER, 90 DEGREE C TEMPERATURE RATING, MINIMUM SIZE IS NO. 12 AWG. ALL WIRING SHALL BE IN CONDUIT UNLESS OTHERWISE NOTED ON THE DRAWINGS. UNDERGROUND CONDUCTORS MUST BE RATED FOR 90 DEGREE C AS DEFINED FOR "WET LOCATION" BY THE NEC UNLESS NOTED.

4.A. ALL CONDUIT SHALL BE METALLIC ELECTRICAL CONDUIT UNLESS NOTED OTHERWISE ON THE DRAWINGS. MINIMUM SIZE CONDUIT IS 1/2". ALL CONDUITS AND BOXES SHALL BE CONCEALED ABOVE CEILINGS, IN WALLS OR UNDER FLOORS AS REQUIRED OR AS NOTED OTHERWISE ON THE DRAWINGS.

B. UNDERGROUND CONDUIT SHALL BE MINIMUM OF SCHEDULE 40 PVC, 90 DEGREE C. RATED WITH MINIMUM OF TRENCH COVER PER NEC TABLE 300-5. ALL UNDERGROUND JUNCTION/PULL BOXES SHALL BE RATED THE SAME AS THE ASSOCIATED CONDUIT, MINIMUM SIZE UNDERGROUND CONDUIT IS 3/4".

5. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION OF CONDUIT, WIRING, ELECTRICAL EQUIPMENT AND ASSOCIATED HARDWARE WITH THE INSTALLATION OF THE MECHANICAL EQUIPMENT AND OTHER TRADES. SEE THE CIVIL PLANS FOR EXACT LOCATIONS.

6. THE ELECTRICIAN IS RESPONSIBLE FOR COORDINATION AND INSTALLATION OF SERVING ELECTRICAL TELEPHONE/TV COMPANY CONDUIT SYSTEMS AND SERVICE EQUIPMENT, UNDERGROUND TRENCH LOCATIONS SHOWN ARE APPROXIMATE AND MUST BE VERIFIED BY THE SERVING UTILITY. CONTACT WITH THE SERVING UTILITIES IS REQUIRED PRIOR TO INSTALLATION. THE CONTRACTOR IS RESPONSIBLE FOR EXISTING FIELD CONDITIONS AND PROVIDING A FULL FUNCTIONING ELECTRICAL SYSTEM.

7. ALL LIGHT FIXTURES, RECEPTACLE AND JUNCTION BOXES, PANEL BOARDS AND ALL OTHER METALLIC ELECTRICAL APPLIANCES AND DEVICES MUST BE GROUNDED AS REQUIRED BY SECTION 250 OF THE NATIONAL ELECTRICAL CODE.

8. ASBESTOS CONTAINING MATERIALS MAY BE PRESENT IN THE EXISTING STRUCTURES ON THIS PROJECT. THE CONTRACTOR SHALL TAKE APPROPRIATE SAFETY PRECAUTIONS IN ACCORDANCE WITH OSHA AND EPA REGULATIONS DURING INSTALLATION OF ELECTRICAL EQUIPMENT AND, OR REMOVAL OF EXISTING BUILDING MATERIALS WHICH MAY CONTAIN ASBESTOS. CONTRACTOR SHALL IMMEDIATELY CEASE WORK AND NOTIFY THE OWNER OF ANY MATERIALS BELIEVED TO CONTAIN ASBESTOS. WORK SHALL PROCEED ONLY UPON DIRECTION FROM THE OWNER.

ELECTRICAL SPECIFICATIONS:

FURNISH AND INSTALL, INCLUDING LABOR, SUPERVISION, MATERIALS, TOOLS, SERVICES, TRANSPORTATION, OVERHEAD COSTS, FEES, PLAN CHECK FEES, INSPECTION CHARGES, ROYALTIES, PROFITS, ETC., A COMPLETE ELECTRICAL INSTALLATION AS SPECIFIED HEREIN AND INDICATED ON THE ELECTRICAL DRAWINGS. PERFORM WORK IN AN APPROVED. NEAT. FIRST CLASS, SAFE, WORKMANSHIP LIKE MANNER THAT COMPLIES WITH ALL APPLICABLE LOCAL, STATE, FEDERAL, AND SERVICING ELECTRICAL AND TELEPHONE UTILITIES. ETC.. CODES, ORDINANCES, RULES, REGULATIONS, STANDARDS, ETC. THE ENTIRE ELECTRICAL INSTALLATION SHALL COMPLY WITH OR SURPASS THE MOST RECENT EDITION OF THE CALIFORNIA ELECTRICAL CODE AND OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA).

ALL MATERIALS AND EQUIPMENT FURNISHED BY THE ELECTRICAL CONTRACTOR SHALL BE NEW OF FIRST-CLASS QUALITY UNLESS NOTED OTHERWISE, FREE FROM DEFECTS, AND CONFORM WITH UNDERWRITER LABORATORIES INC. STANDARDS AND BE SO LABELED. MATERIALS, EQUIPMENT ETC. NOT INDICATED ON DRAWINGS OR SPECIFIED HEREIN BUT REQUIRED FOR A SUCCESSFUL AND EFFICIENT COMPLETION OF THE ELECTRICAL INSTALLATION SHALL BE HELD TO BE IMPLIED AND SHALL BE FURNISHED AND INSTALLED AT NO ADDITIONAL COST. ENCLOSURES FOR ALL EQUIPMENT SHALL BE SUITABLE FOR USE INTENDED e.g., WEATHER-PROOF FOR EXTERIOR AND WET LOCATIONS. ALL EQUIPMENT SHALL BE RATED FOR USE INTENDED, e.g., VOLTAGE, HORSE POWER, RATING OF DISCONNECT SWITCHES, ETC.

MATERIALS, EQUIPMENT, ETC., INCLUDING THOSE FURNISHED BY OTHERS, THAT ARE TO BE INSTALLED BY THE ELECTRICIAN SHALL BE RECEIVED AND PROPERLY PROTECTED BY THE CONTRACTOR UNTIL ENTIRE INSTALLATION IS COMPLETE.

MAKE NO INSTALLATION OF WORK WHICH WOULD LEAVE INADEQUATE OPERATION OR SERVICING SPACE FOR ANY ITEM FOR THE ENTIRE PROJECT. DRAWINGS ARE NOT INTENDED TO SHOW IN DETAIL ALL FEATURES OF WORK, CHECK LOCATION AT ELECTRICAL WORK TO DETERMINE IN ADVANCE THAT IT CLEARS ALL OPENINGS, STRUCTURAL MEMBERS, ETC. THE CONTRACTOR SHALL INSTALL ALL THE MINIMUM CODE REQUIRED MATERIALS AND EQUIPMENT AT NO ADDITIONAL COST.

ALL WIRING SHALL BE INSTALLED IN APPROVED RACEWAYS IF REQUIRED BY CODES. RACEWAYS SHALL BE APPROVED FOR USE INTENDED. ALL ELECTRICAL CONDUCTORS SHOWN ARE 600V COPPER, MINIMUM SIZE CONDUCTOR IS NO. 12 AWG, AND AS RECOMMENDED BY SUPPLIER OF EQUIPMENT AS APPLICABLE.

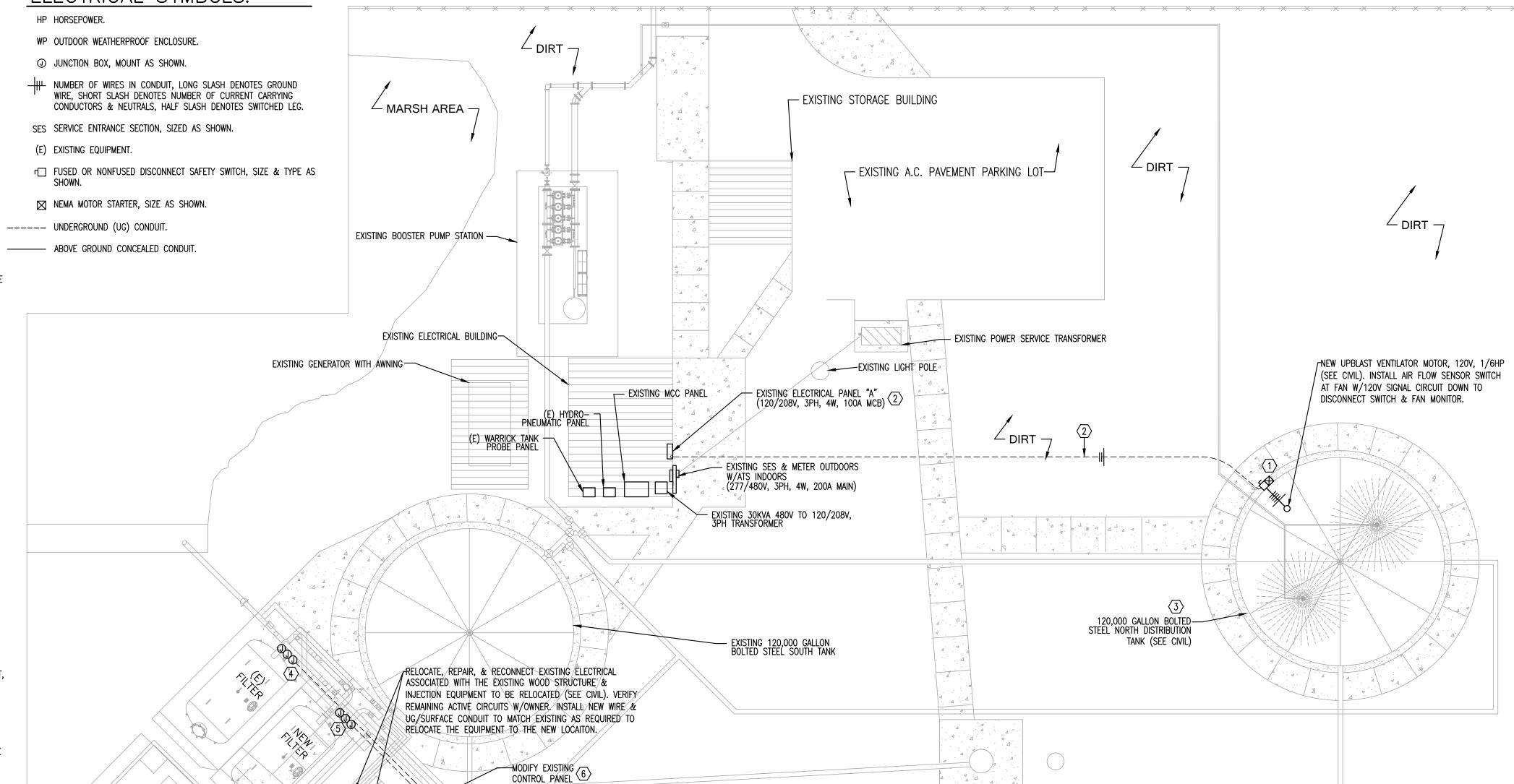
LABEL EQUIPMENT & WIRING PER NEC. UPDATE TYPED PANEL DIRECTORIES AND IDENTIFY ALL CIRCUITS & SPACES, LABEL EQUIPMENT WITH MYCARTA TAGS, 1/4" ENGRAVED LETTERS. PROVIDE WIRE COLOR CODING PER NEC & ACCEPTED STANDARDS. PROVIDE UNDERGROUND WARNING TAPE AT ALL UNDERGROUND CONDUIT SYSTEMS.

THIS CONTRACT IS TO INCLUDE ALL CONTINGENCIES WHICH MAY ARISE AND WHICH MAY BE REQUIRED TO MAKE A COMPLETE ELECTRICAL SYSTEM. THE ELECTRICAL CONTRACTOR SHALL VISIT SITE AND DETERMINE EXTENT OF THE WORK. AT COMPLETION OF ELECTRICAL INSTALLATION, PROVIDE OWNER WITH ACCURATE AS-BUILT DRAWINGS INDICATING ALL VARIATIONS FROM CONTRACT DRAWINGS, AND A LETTER TO THE OWNER'S REPRESENTATIVE STATING PROJECT FULLY COMPLIES WITH ALL CONTRACT DOCUMENTS AND IF NOT, HOW INSTALLATION WAS ACCOMPLISHED. ALL CHANGES SHALL BE SUBJECT TO OWNER'S REPRESENTATIVE'S APPROVAL.

PROVIDE NECESSARY LABOR, TOOLS, EQUIPMENT, e.g., VOLTMETER, AMMETER, MEGGER, ETC., AND CHECK ENTIRE ELECTRICAL SYSTEM IN THE PRESENCE OF THE OWNER'S REPRESENTATIVE. ALL TESTING SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION OF EQUIPMENT, MATERIALS, ETC., BEING TESTED.

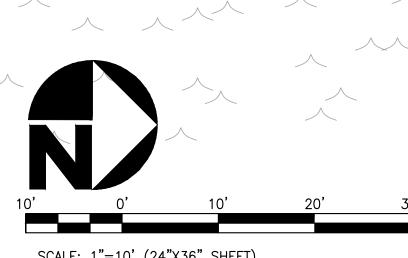
ELECTRICAL SYMBOLS:

- HIL NUMBER OF WIRES IN CONDUIT, LONG SLASH DENOTES GROUND WIRE, SHORT SLASH DENOTES NUMBER OF CURRENT CARRYING
- SES SERVICE ENTRANCE SECTION, SIZED AS SHOWN.



EXISTING WELL SITE NO. 2

UNDER AWNING



PREPARED UNDER THE DIRECT SUPERVISION OF:

KEY NOTES:

LIGHT WILL SHUT DOWN.

AS NEEDED.

NOTES:

NOTED.

CONTRACT BID.

(1) PROVIDE & INSTALL FAN MOTOR MANUAL DISCONNECT SWITCH &

MONITOR, MIN. 20A/1P, NON-FUSED, NEMA 3R ENCLOSURE, MOTOR

ELAPSED TIME METER (ETM), & FAN RUNNING PILOT LIGHT. PROVIDE &

INSTALL IP65 AIR FLOW MONITOR SENSOR ('NO' TYPE) AT FAN WIRED

IN SERIES WITH THE ETM AND PILOT LIGHT. NORMAL AIR FLOW AT OPERATIONAL FAN SHALL MAINTAIN THE 'NO' SWITCH IN A CLOSED

POSITION & MAINTAIN THE ETM AND PILOT LIGHT ON. UPON FAN

FAILURE & LOSS OF AIR FLOW, POWER TO THE THE ETM & PILOT

CONNECT NEW FAN BRANCH CIRCUIT, INSTALL NEW FAN BRANCH

(3) COORDINATE WITH CIVIL ENGINEER & RELOCATE/REPLACE/RECONNECT

CIRCUIT TO TANK IN 3/4" PVC UG CONDUIT. NEW BRANCH CIRCUIT

EXISTING LEVEL SENSORS AND CONTROL/SIGNAL CIRCUITS AS NEEDED.

TUBING, CONDUITS, & CONTROL SYSTEMS & INSTALLATION OF NEW

ELECTRIC ACTUATED VALVES, CONDUIT, WIRING, & CONTROL SYSTEMS

FILTER, NEW 3/4" RGS CONDUITS ABOVE GRADE, NEW LFMC CONDUITS

CONDUIT, WIRING, & CONTROL SYSTEMS WITH CIVIL. INSTALL ALL NEW

REQUIRED CONTROL/SIGNAL WIRING. INSTALL NEW 1 1/4" UG CONDUIT

FROM CONTROL BUILDING TO FILTER, NEW 3/4" RGS CONDUITS ABOVE

GRADE, NEW LFMC CONDUITS TO VALVES, & NEW WP OUTLET BOXES

WITH CIVIL. INSTALL ALL NEW REQUIRED CONTROL/SIGNAL WIRING. INSTALL NEW 1 1/4" UG CONDUIT FROM CONTROL BUILDING TO

(2) VERIFY EXISTING SPARE 20A CIRCUIT BREAKER AT SPACE 14 &

WILL ADD 122W ADDITIONAL LOAD TO THE EXISTING PANEL.

(4) COORDINATE REMOVAL OF EXISTING PNEUMATIC ACTUATED VALVES,

TO VALVES, & NEW WP OUTLET BOXES AS NEEDED.

(5) COORDINATE INSTALLATION OF NEW ELECTRIC ACTUATED VALVES,

(6) VERIFY EXISTING CONTROL PANEL WITH OWNER. PROVIDE COMPLETE

CERTIFIED & APPROVED BY THE EXISTING CONTROL PANEL

MODIFICATIONS TO EXISTING CONTROL PANEL AS REQUIRED HEREIN.

MANUFACTURER. OBTAIN COPY OF EXISTING CONTROL PANEL SHOP

CIVIL & VERIFY EXISTING MAC SOLENOID OPERATED VALVES BELOW

ALL WORK ON EXISTING CONTROL PANEL SHALL BE BY A TECHNICIAN

DRAWINGS FROM OWNER/CIVIL ENGNEER AND SUBMIT SHOP DRAWINGS OF ALL PROPOSED MODIFICATIONS PRIOR TO WORK. COORDINATE WITH

PANEL ARE NO LONGER REQUIRED. REMOVE FROM SERVICE. RECIRCUIT

& REPROGRAM 5 EXISTING CONTROL PANEL FILTER VALVE OUTPUTS TO CONTROL NEW ELECTRIC ACTUATED VALVES AV-1 THRU AV-5. VERIFY

REMAINING EXISTING CONTROL PANEL I/O PORTS WITH OWNER & USE

5 NEW OR REPURPOSED PNEUMATIC SYSTEM OUTPUTS FOR CONTROL

OF THE NEW FILTER ELECTRIC ACTUATED VALVES AV-6 THRU AV-10.

OUTPUTS AS NEEDED FOR MONITORING OF THE NEW VALVES AT THE

REPLACED SHALL BE PROTECTED DURING CONSTRUCTION & LEFT

IN PLACE. CLEAN/REPAIR/RESTORE THIS EXISTING ELECTRICAL TO

SERVICEABLE CONDITION PRIOR TO COMPLETION OF WORK.

3. THE ELECTRICAL CONTRACTOR SHALL COORDINATE, BID, AND

PROVIDE ALL INCIDENTAL ELECTRICAL DEMOLITION WORK,

OR RENOVATIONS IDENTIFIED ON THE CIVIL PLANS. THE

TEMPORARY ELECTRICAL REMOVAL & REINSTALLATION WORK. & RESTORATION OF EXISTING ELECTRICAL WORK TO EXISTING

CONDITION OR BETTER AT ANY CIVIL OR MECHANICAL DEMOLITION

ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR REVIEWING THE

CIVIL PLANS & COORDINATING WORK RESPONSIBILITY WITH THE

GENERAL CONTRACTOR & INCLUDING ALL SUCH WORK IN THE

EXISTING RTU AT THE CONTROL & MONITORING BUILDING.

1. ALL ELECTRICAL WORK SHOWN IS NEW UNLESS OTHERWISE

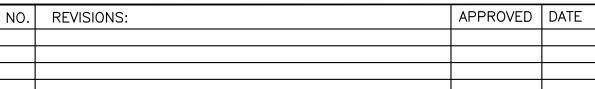
2. EXISTING ELECTRICAL NOT INDICATED TO BE REMOVED OR

COORDINATE WITH OWNER TO INSTALL NEW OR RECONFIGURE EXISTING

DESIGN: JRA DRAWING NO:

NO WORK SHALL BE DONE ON THIS SITE UNTIL BELOW AGENCY IS NOTIFIED OF INTENTION TO GRADE OR EXCAVATE. Underground Service Aler

TWO WORKING DAYS BEFORE YOU DIG.



EXISTING WELL SITE NO. 1

UNAUTHORIZED CHANGES & USES: The engineer preparing these plans wil not be responsible for, or liable for, unauthorized changes to or uses of these plans. All changes to the plans must be in writing and must be approved by the preparer of these plans.

BENCH MARK:

EXISTING RTU

-(E) PANEL "B'

TEMPORARY PROJECT BENCHMARK

CHISLED "X" ON THE NORTHWEST CORNER OF A PCC SLAB LOCATED SOUTHEAST OF THE ENTRANCE GATE TO THE WATER TREATMENT PLANT ELEVATION = 233.00

07/20/17

DATE

E 16119 R.C.E. NO.

12/31/17

REG. EXP.

ELECTRICAL SITE PLAN

DATE: 6/5/17SHEET NO. SCALE: 1" = 10"

THIS DRAWING IS A LEGAL DOCUMENT ONLY WHEN SEALED AND

SIGNED BY ENGINEER OF RECORD. COPYRIGHT INFRINGEMENT LAWS DO APPLY. USE OF THESE PLANS, SPECIFICATIONS, OR

ANY DETAILS CONTAINED HEREIN SHALL BE RESTRICTED TO THE

ORIGINAL DESIGN FOR WHICH THEY WERE PREPARED.

OF 1 SHEETS

720 E. 39th Place, Suite

BENCHMARK DESCRIPTION:

SKID, EMERGENCY EYEWASH STATION AND SHADE STRUCTURE

DAMD DALE, PE 203 COUNTRYSIDE DRIVE EL CENTRO, CA 92243 PH: (760) 960-8500 EMAIL: DAMDDALEPE@GMAIL.COM

EXISTING CONTROL AND MONITORING BUILDING

(EXISTING CHLORINATION BUILDING)

- EXISTING LIGHT POLE

SCALE: 1"=10' (24"X36" SHEET) PALO VERDE COUNTY WATER DISTRICT -NORTH BOLTED TANK REPLACEMENT AND

ullet DIRT -

FILTER INSTALLATION PROJECT