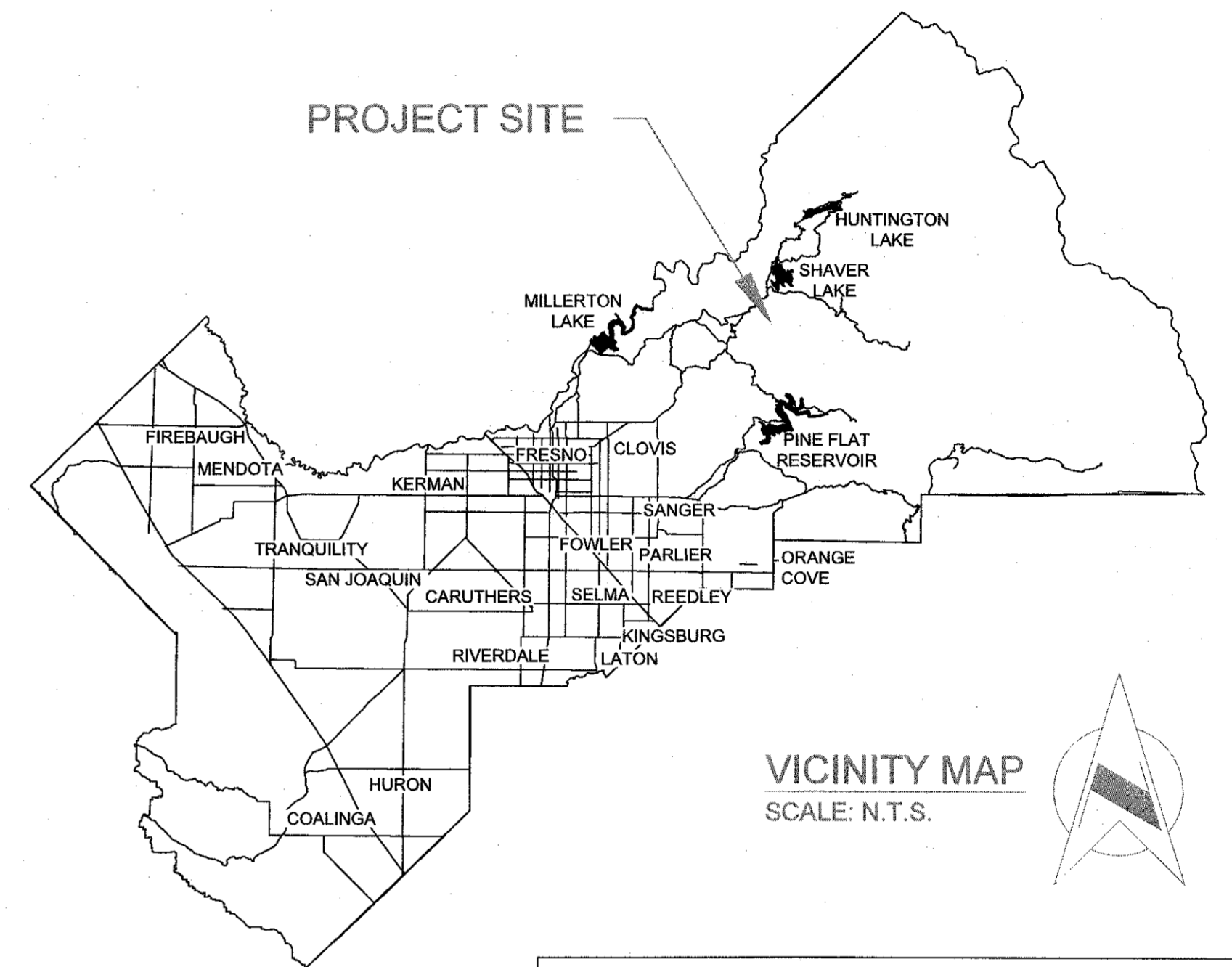
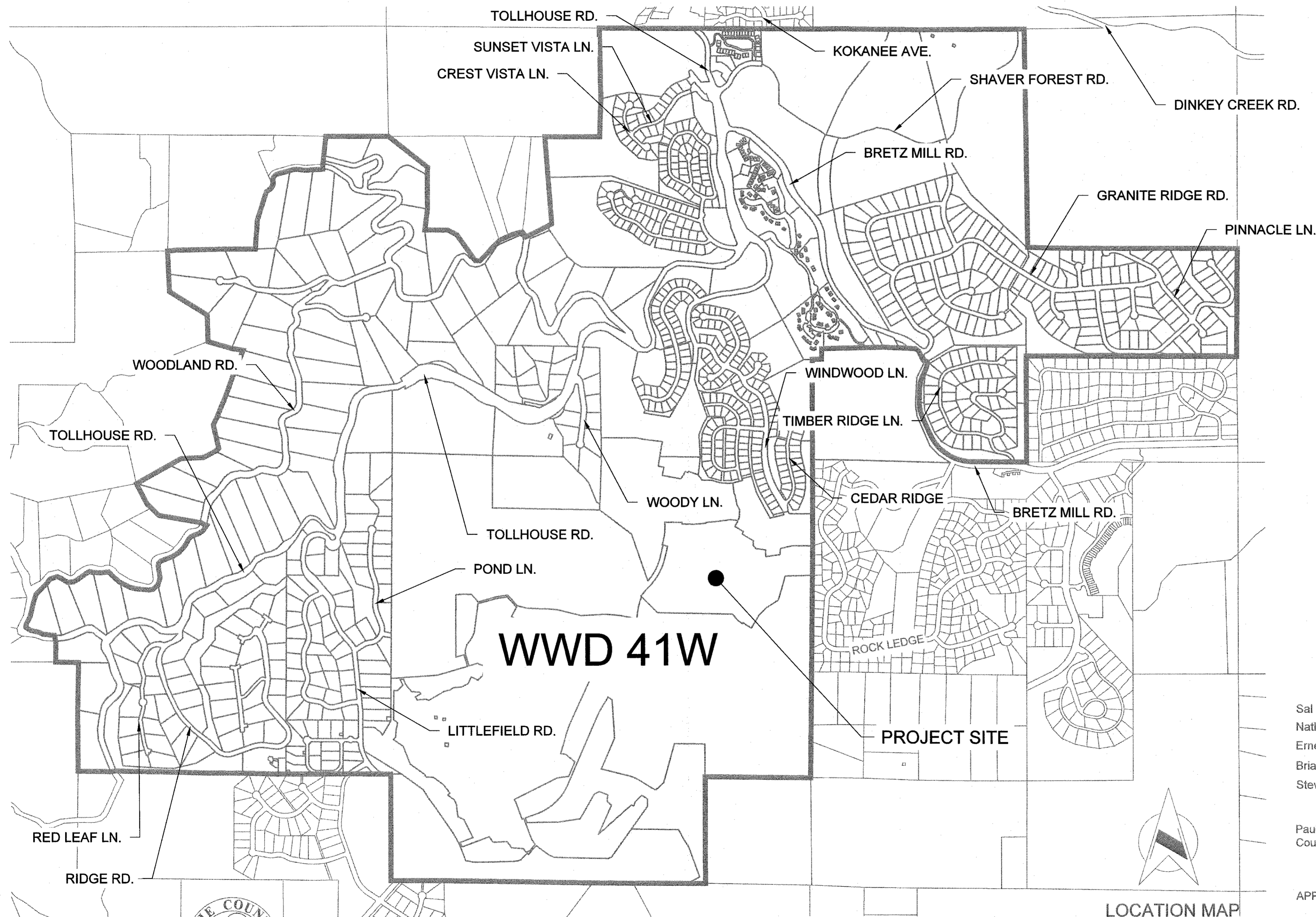


PLANS FOR CONSTRUCTION

WATER WORKS DISTRICT 41 ZONE W HYDROPNEUMATIC TANK REPLACEMENT



INDEX OF SHEETS	
SHEET NO.	TITLE
1	TITLE PAGE
2	LEGEND
3	DISTRIBUTION SITE AND ACCESS
4	EXISTING DISTRIBUTION SITE
5	EXISTING TANK DETAILS
6	NEW TANK DETAILS

CALIFORNIA CONTRACTOR'S LICENSES REQUIRED FOR THIS PROJECT					
CLASS A. GENERAL ENGINEERING					
DRAWING NO.	ROAD NO.	BRIDGE NO.	FISCAL YR.	SHEET NO.	TOTAL
11322	N/A	N/A	23 / 24	1	6
CONTRACT NO. 23-05-C					

- Sal Quintero Chairman 3rd District
- Nathan Magsig Vice-Chairman 5th District
- Ernest Buddy Mendes 4th District
- Brian Pacheco 1st District
- Steve Brandau 2nd District

Paul Nerland
County Administrative Officer

APPROVED _____

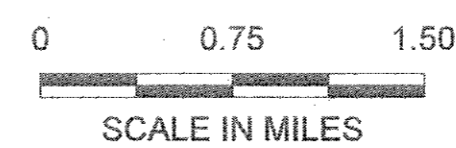
Steven E. White, Director
Department of Public Works and Planning

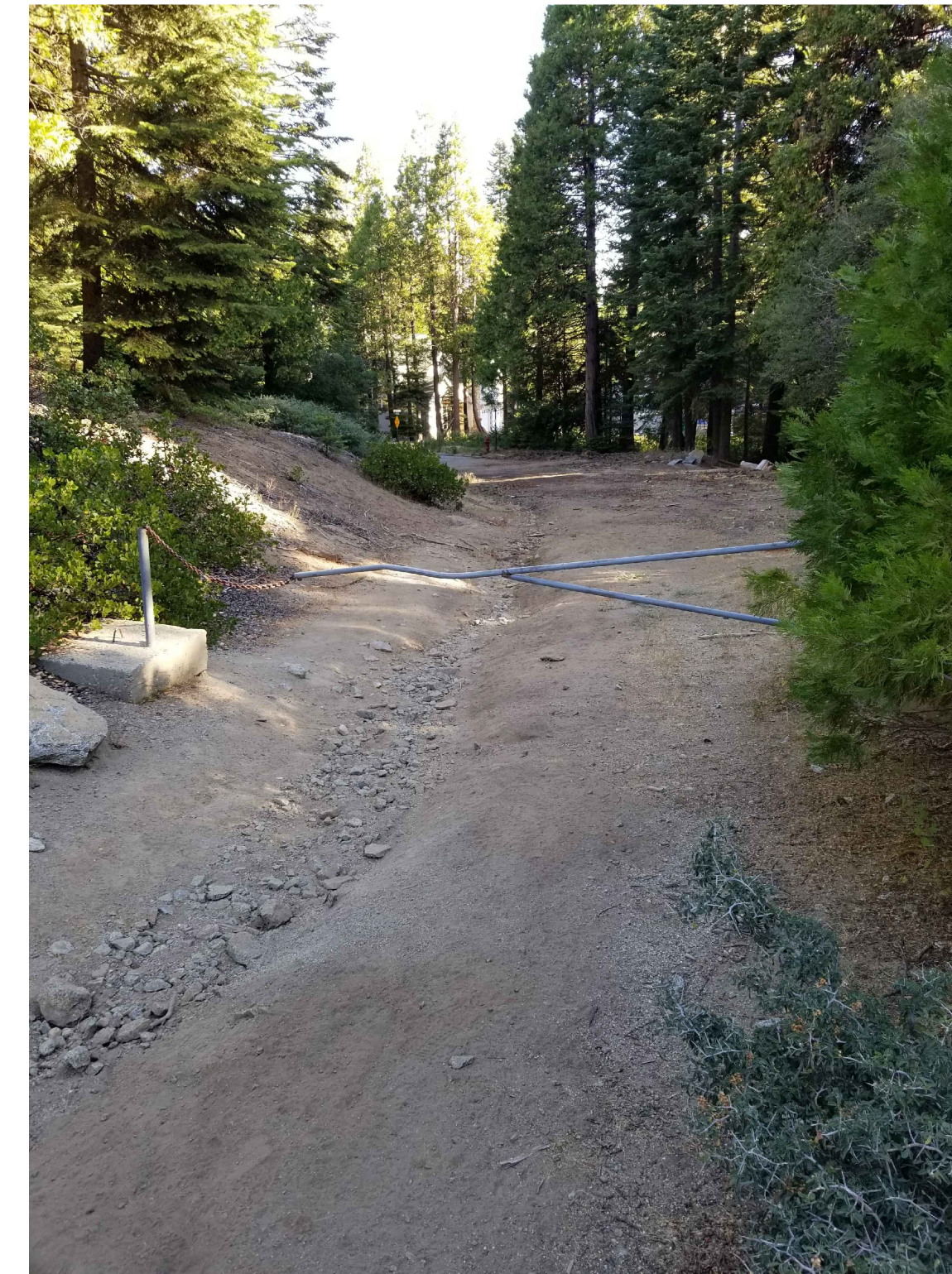
RECORD DRAWING	
DATE ADOPTED	CONTRACTOR
NAME	
ADDRESS	
CITY	STATE ZIP
PHONE	
DATE AWARDED	
DATE STARTED	
DATE COMPLETED	
RESIDENT ENGINEER	
NAME	SIGNATURE
NAME	SIGNATURE



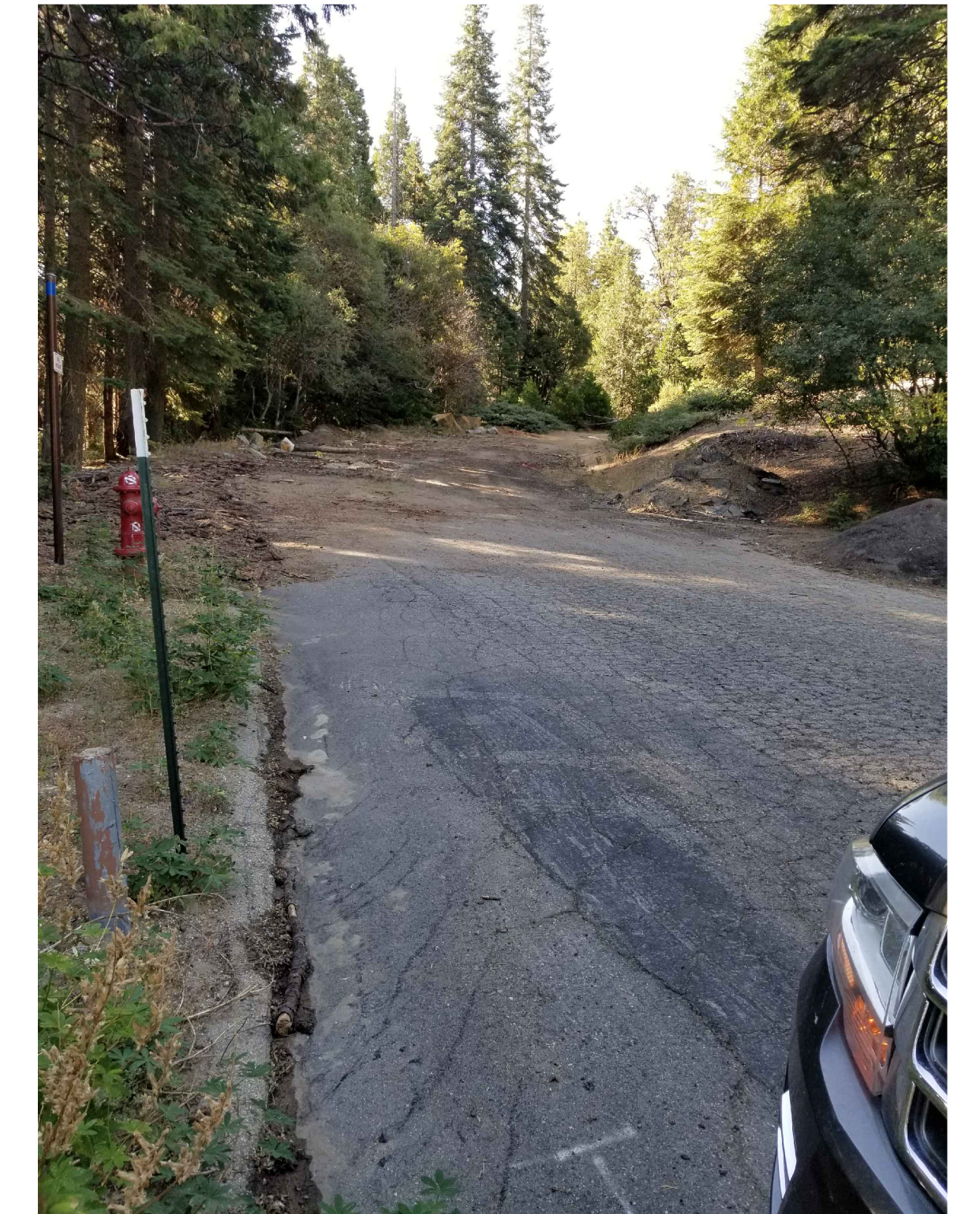
DEPARTMENT OF PUBLIC WORKS AND PLANNING

LOCATION MAP


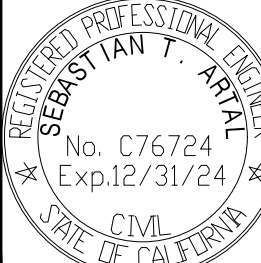





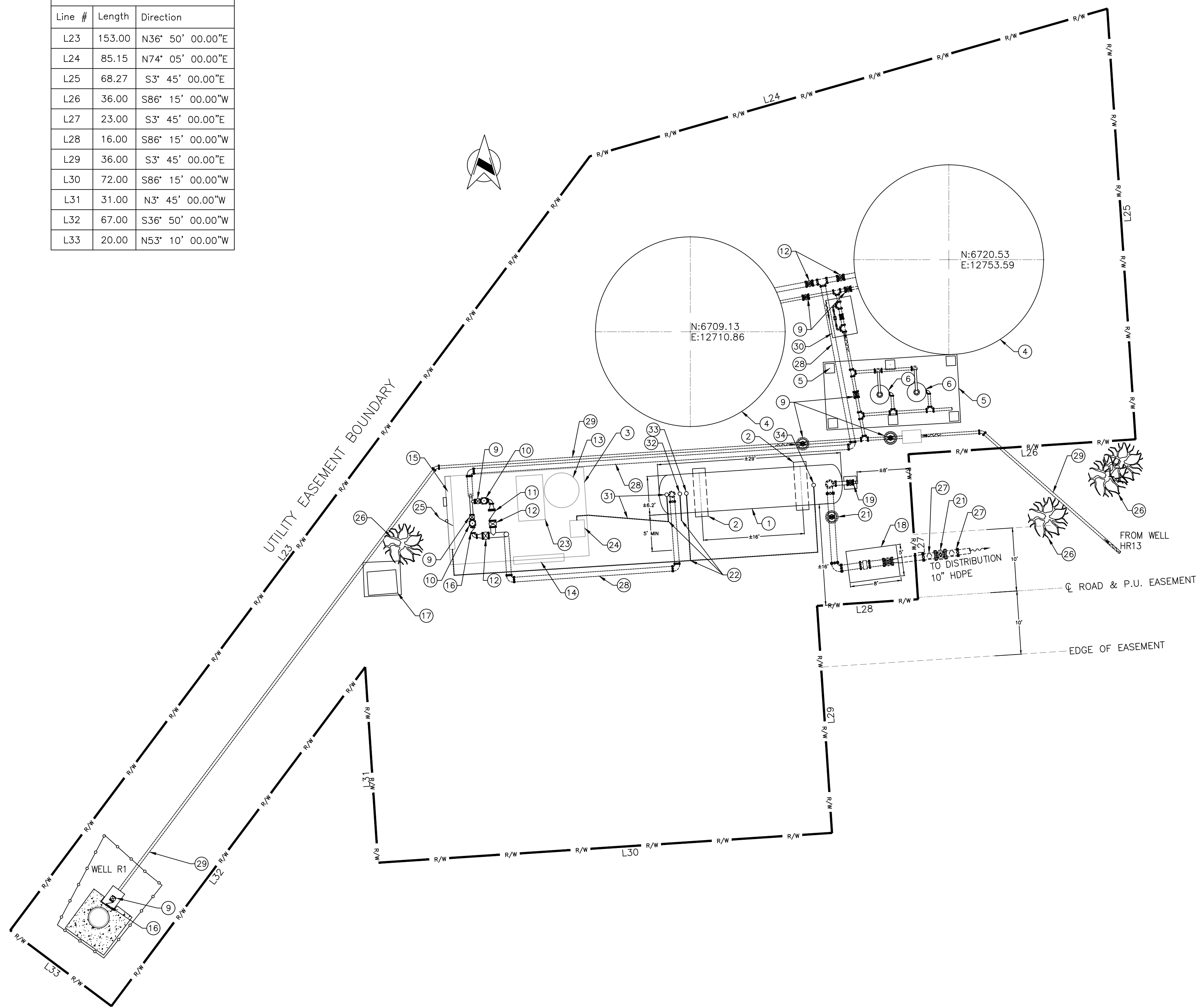
GATE ACROSS DIRT ROAD



PAVEMENT ENDS; WINDWOOD LANE

DESIGNED: RS		DATE: 01/23	RECORD DRAWING		Scale in Feet		 SUPERVISING ENGINEER	2023-05-30 DATE		PROJECT			DEPARTMENT OF PUBLIC WORKS AND PLANNING				
DRAWN: RS		DATE: 01/23	RESIDENT ENGINEER		NO SCALE					WWD41 SHAVER LAKE			DISTRIBUTION SITE AND ACCESS				
CHECKED: SA		DATE: 03/23								HYDROPNEUMATIC TANK REPLACEMENT							
FOR RIGHT OF WAY DATA AND ACCURATE ACCESS DETERMINATION, SEE DOCUMENTS IN THE DEPARTMENT OF PUBLIC WORKS AND PLANNING.																	
								ROAD NO. N/A		BRIDGE NO. N/A		DRAWING NO. 11322		SHEET NO. 3		TOTAL 6	

Line #	Length	Direction
L23	153.00	N36° 50' 00.00"E
L24	85.15	N74° 05' 00.00"E
L25	68.27	S3° 45' 00.00"E
L26	36.00	S86° 15' 00.00"W
L27	23.00	S3° 45' 00.00"E
L28	16.00	S86° 15' 00.00"W
L29	36.00	S3° 45' 00.00"E
L30	72.00	S86° 15' 00.00"W
L31	31.00	N3° 45' 00.00"W
L32	67.00	S36° 50' 00.00"W
L33	20.00	N53° 10' 00.00"W

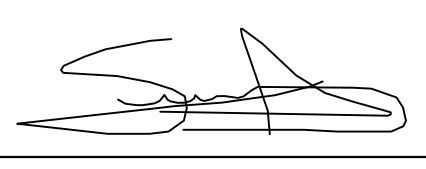
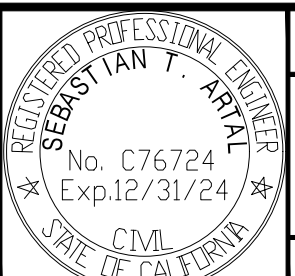



NOTES

- ① R&D EXIST 6,180 GAL HYDROPNEUMATIC TANK. TANK MUST BE REPLACED DURING THE WEEK AND WITHIN 5 DAYS OF DISCONNECTING THE EXISTING TANK. REFER TO SPECIFICATIONS FOR TIME RESTRICTIONS.
- ② EXISTING TANK CONCRETE FOOTINGS TO REMAIN.
- ③ EXIST UTILITY/ELECTRICAL SHED TO REMAIN.
- ④ EXIST 120,000 GALLON STORAGE TANKS TO REMAIN.
- ⑤ EXIST STEEL PROTECTIVE CANOPY AND FOOTINGS TO REMAIN.
- ⑥ EXIST CALCITE TANKS TO REMAIN.
- ⑦ N/A
- ⑧ N/A
- ⑨ EXIST GATE VALVE, FLxFL, 4", DUCTILE IRON.
- ⑩ EXIST 30 HP PUMP, 230/460VAC.
- ⑪ EXIST CHECK VALVE, FLxFL, 8", DUCTILE IRON.
- ⑫ EXIST GATE VALVE, FLxFL, 8", DUCTILE IRON.
- ⑬ EXIST CHLORINE PUMP AND STORAGE TANKS.
- ⑭ EXIST UTILITY SHED ROLL-UP ACCESS DOOR.
- ⑮ EXIST ELECTRICAL METER, ELECTRICAL PANEL & PUMP CONTROLLERS.
- ⑯ EXIST CHECK VALVE, FLxFL, 4", DUCTILE IRON.
- ⑰ EXIST SITE ELECTRICAL TRANSFORMER.
- ⑱ EXIST INSULATED WATER VAULT, WITH STEEL COVER, TO REMAIN.
- ⑲ REMOVE AND DISPOSE EXIST 6" LINE AND GATE VALVE.
- ⑳ N/A
- ㉑ EXIST 10" GATE VALVE TO REMAIN.
- ㉒ EXIST TANK PNEUMATIC & ELECTRICAL CONDUIT, SECURED TO TANK WITH UNISTRUT. REROUTE TO NEW TANK CONNECTIONS AS NEEDED. LOCATION APPROXIMATE.
- ㉓ EXIST EMERGENCY GENERATOR.
- ㉔ EXIST AIR COMPRESSOR.
- ㉕ EXIST RADIO ANTENNA.
- ㉖ EXISTING VEGETATION. PROTECT IN PLACE.
- ㉗ EXISTING 10x4" TEE
- ㉘ EXISTING 8" DI PIPE.
- ㉙ EXISTING 4" DI PIPE.
- ㉚ EXISTING 4' VALVE VAULT.

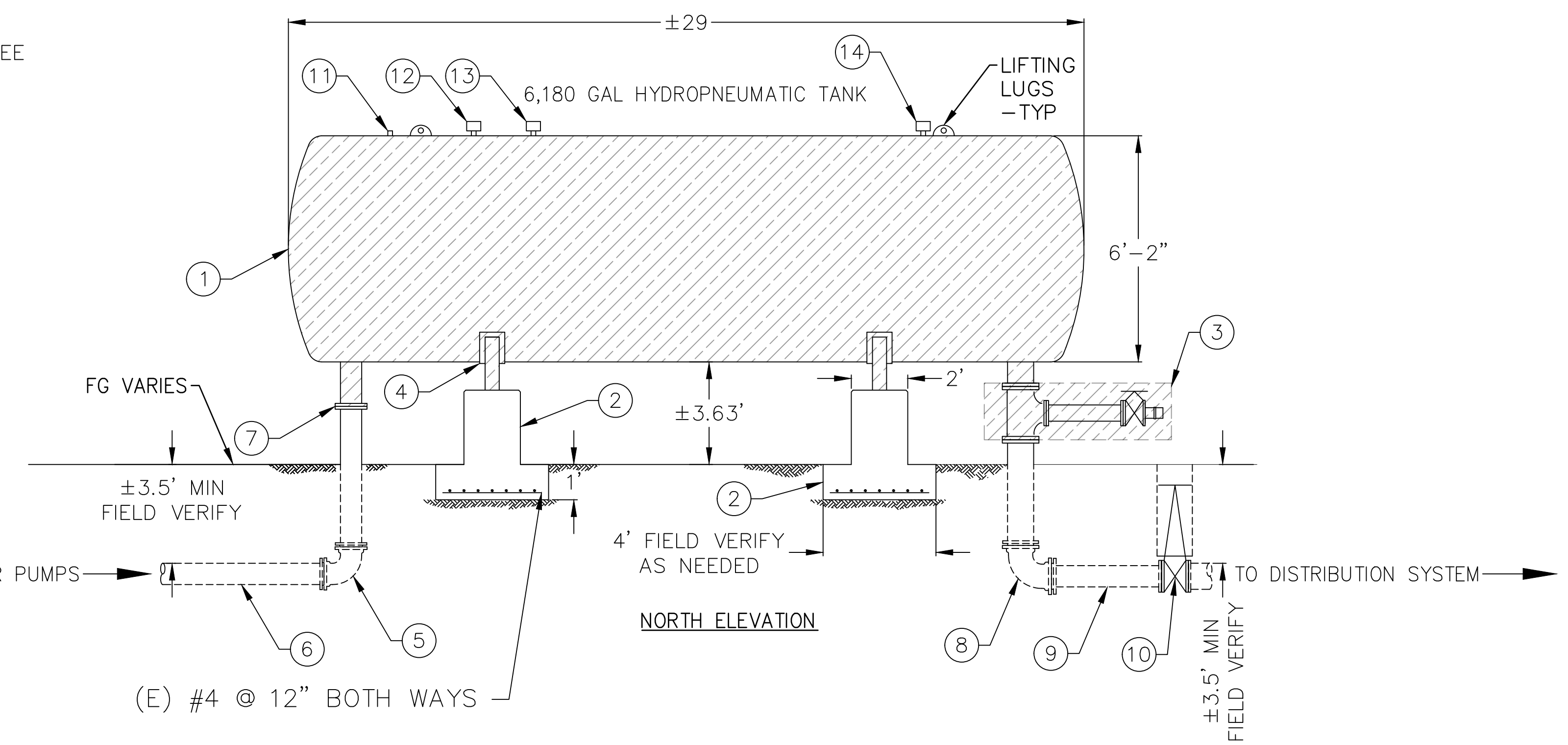
GENERAL NOTES

- 1. THE DRAWINGS ARE DIAGRAMMATIC. COMPONENTS SHOWN INDICATE GENERAL LOCATION AND ARRANGEMENT. INSTALL FACILITY COMPONENTS AND EQUIPMENT LEVEL AND PLUMB, AND PARALLEL AND PERPENDICULAR TO OTHER FACILITY SYSTEMS AND COMPONENTS AS SHOWN ON THE PLANS.
- 2. CONTRACTOR TO COORDINATE CLOSELY WITH SITE OPERATOR IF CONTRACTOR ACTIVITIES, MODIFICATIONS, ETC. BEFORE DISCONNECTING TANK, WILL AFFECT DELIVERY OF WATER TO RESIDENTS, OR PROPER OPERATION OF WATER DISTRIBUTION SITE.
- 3. THE UNDERGROUND FACILITIES HAVE NOT BEEN POTHOLED. LOCATIONS OF EXIST UG UTILITIES SHOWN ARE APPROX. EXACT DEPTHS AND LOCATIONS ARE UNKNOWN. FIELD LOCATE PRIOR TO START OF CONSTRUCTION.
- 4. ALL EXIST ITEMS, NOT EXPLICITLY BEING REPLACED ARE TO BE PROTECTED IN PLACE.

DESIGNED: RS		DATE: 01/23	RECORD DRAWING		Scale in Feet		 SUPERVISING ENGINEER	2023-05-30 DATE		PROJECT			DEPARTMENT OF PUBLIC WORKS AND PLANNING	
DRAWN: RS		DATE: 01/23	RESIDENT ENGINEER		NO SCALE					HYDROPNEUMATIC TANK REPLACEMENT			EXISTING DISTRIBUTION SITE	
CHECKED: SA		DATE: 03/23								ROAD NO. N/A			BRIDGE NO. N/A	
FOR RIGHT OF WAY DATA AND ACCURATE ACCESS DETERMINATION, SEE DOCUMENTS IN THE DEPARTMENT OF PUBLIC WORKS AND PLANNING.														
												DRAWING NO. 11322	SHEET NO. 4	TOTAL 6

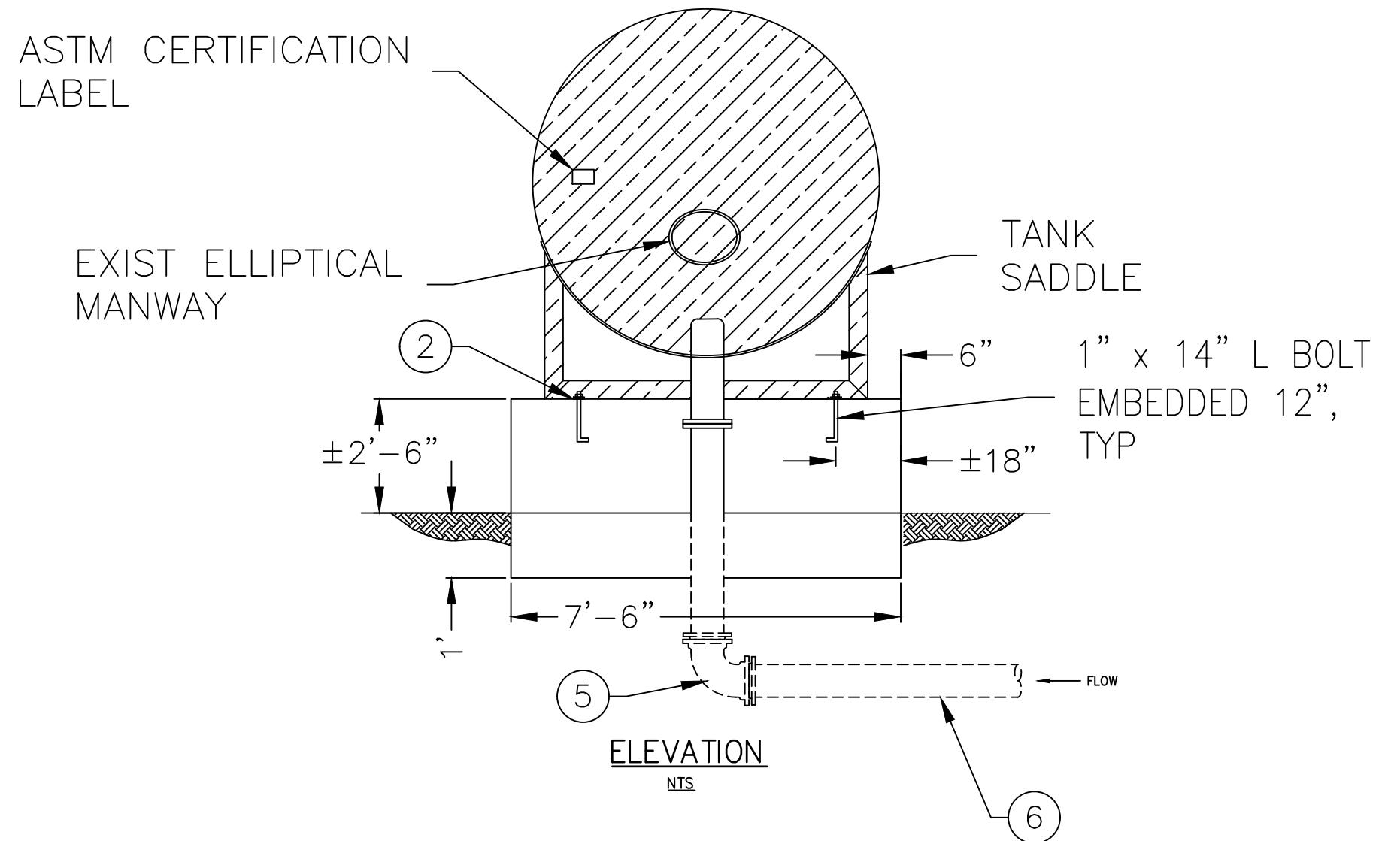
NOTES

- ① R&D EXIST 6,180 GAL HYDROPNEUMATIC TANK. SEE NOTES BELOW AND SPECIFICATIONS FOR TIME RESTRICTIONS.
- ② EXIST TANK FOUNDATIONS TO REMAIN. PROTECT ANCHOR BOLTS IN PLACE AND REUSE FOR NEW TANK IF TANK MFR DESIGN IS CONSISTENT WITH EXISTING BOLT PATTERN AND SIZE. SEE NOTES ON NEW TANK PAGE.
- ③ VERIFY FLANGED OUTLET. DISCONNECT TANK AT 10" TEE. REMOVE AND DISPOSE 10" TEE AND 6" GV. ONCE REMOVED, PROTECT REMAINING 10" FLANGE FROM CONTAMINATION UNTIL NEW TANK IS READY TO CONNECT.
- ④ EXISTING TANK SADDLE.
- ⑤ 8" DI MJ ELBOW. VERIFY IF NEEDED.
- ⑥ EXISTING 8" DI PIPE TO REMAIN. CONTRACTOR TO FIELD VERIFY IF NEEDED.
- ⑦ VERIFY FLANGED INLET. DISCONNECT TANK AT 8" FLANGED INLET. NEW TANK WILL UTILIZE EXISTING 8" CONNECTION. ONCE REMOVED, PROTECT REMAINING 8" FLANGE FROM CONTAMINATION UNTIL NEW TANK IS READY TO CONNECT.
- ⑧ 10" DI MJ ELBOW. VERIFY IF NEEDED.
- ⑨ EXISTING 10" DI PIPE TO REMAIN. CONTRACTOR TO FIELD VERIFY IF NEEDED.
- ⑩ EXISTING 10" GATE VALVE TO REMAIN.
- ⑪ EXISTING 3/4" TAP FOR COMPRESSOR SUPPLY. CONTRACTOR TO VERIFY.
- ⑫ EXISTING TANK SOLENOID AIR VENT VALVE. CONTRACTOR TO VERIFY AND REPLACE IN KIND.
- ⑬ EXISTING PRESSURE RELIEF VALVE. CONTRACTOR TO VERIFY SETTINGS AND REPLACE IN KIND.
- ⑭ EXISTING WATER LEVEL PROBE. CONTRACTOR TO VERIFY SETTINGS FOR NEW TANK AND REPLACE IN KIND.



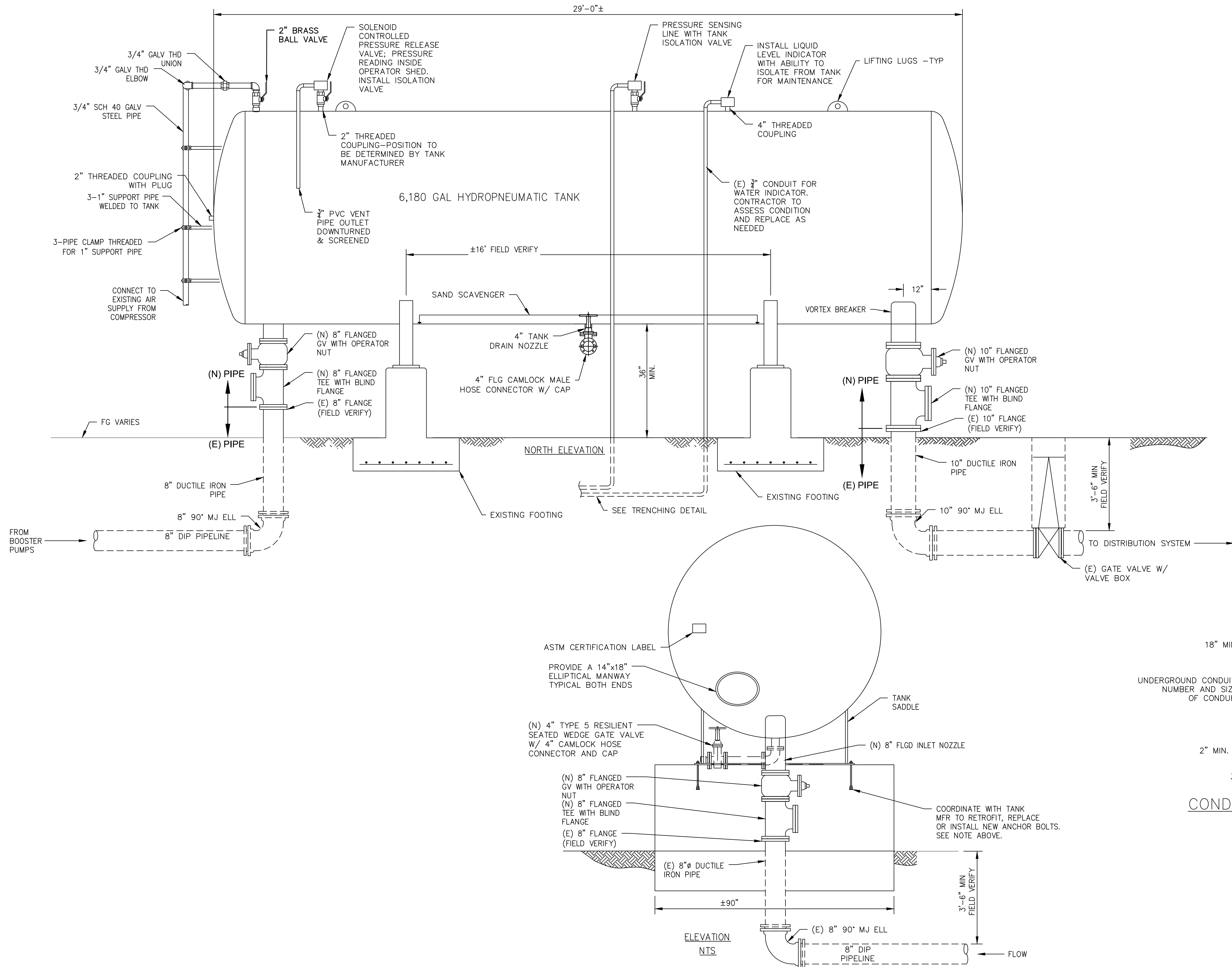
NOTES

- 1. ALL ITEMS NOT DESIGNATED TO BE REMOVED ARE TO BE PROTECTED IN PLACE.
- 2. LOCATION OF UG FACILITIES SHOWN ARE APPROXIMATE. EXACT DEPTH AND LOCATION ARE UNKNOWN. FIELD LOCATE PRIOR TO START OF CONSTRUCTION.
- 3. ONCE NEW TANK IS ONSITE AND EXISTING TANK HAS BEEN TAKEN OFFLINE, CONTRACTOR TO 1) REMOVE & DISPOSE OF EXISTING HYDROPNEUMATIC TANK & 2) INSTALL, DISINFECT AND COMMISSION NEW TANK WITHIN FIVE (5) DAYS OR LESS. NO WEEKEND WORK WILL BE PERMITTED. IF CONTRACTOR ANTICIPATES EXCEEDING TIME RESTRICTION, CONTRACTOR SHALL PROVIDE MEANS & METHOD TO PROVIDE PRESSURIZED POTABLE WATER TO DISTRIBUTION SYSTEM UNTIL NEW TANK CAN BE DISINFECTED & COMMISSIONED.
- 4. CONTRACTOR TO VERIFY ALL TANK CONTROLS WITH EXISTING CONTROL PANEL OPERATION. INSTALL REPLACEMENT TANK SWITCHES, CONTROLS, ETC. AS MENTIONED ABOVE CONSISTENT WITH CURRENT OPERATIONS.

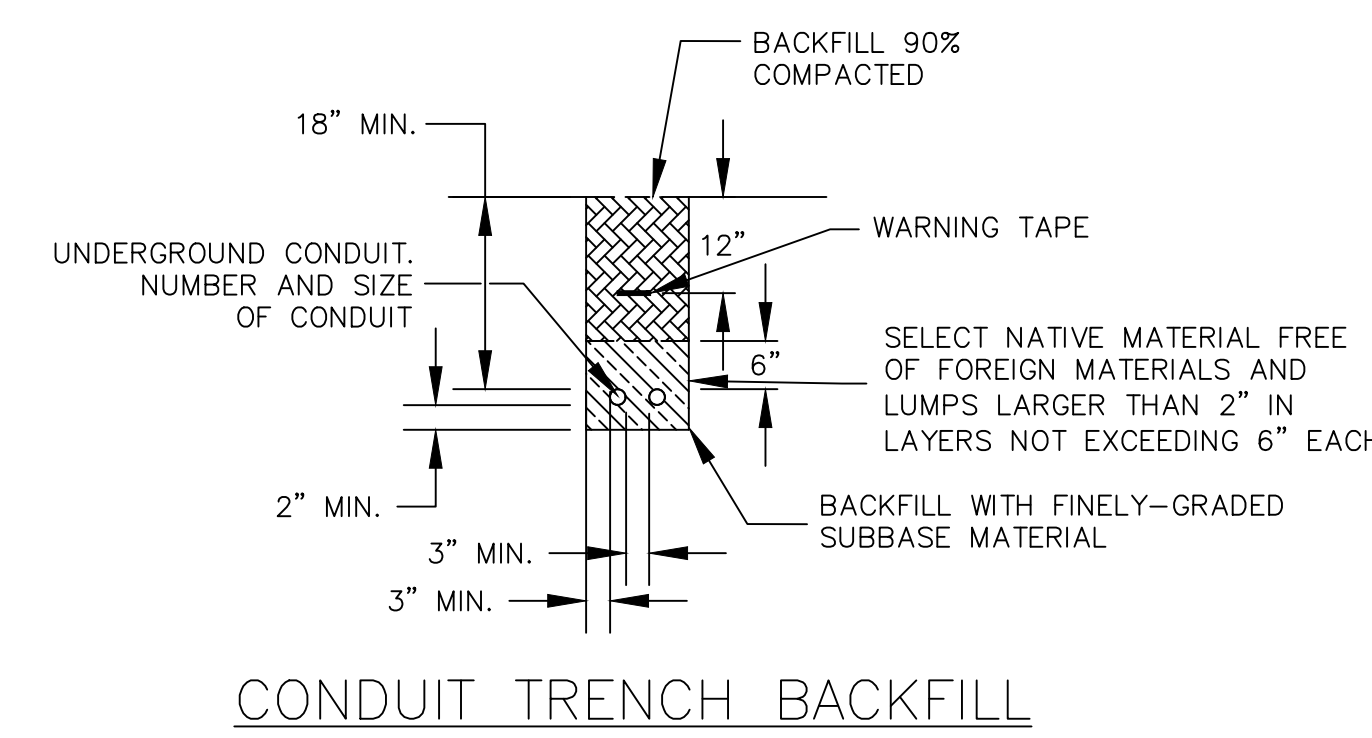


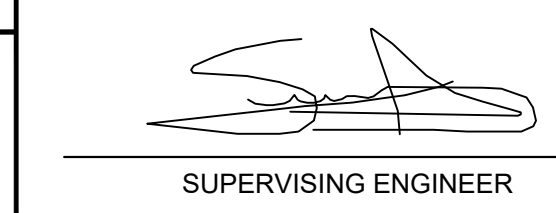
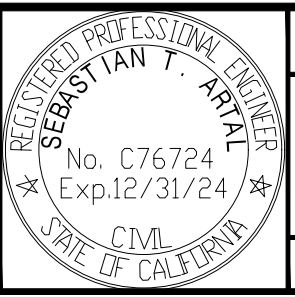
DEMOLITION HATCHING

	DATE	RECORD DRAWING	Scale in Feet							
DESIGNED: RS	01/23	RESIDENT ENGINEER		NO SCALE	 SUPERVISING ENGINEER	2023-05-30 DATE		PROJECT		
DRAWN: RS	01/23		WWD41 SHAVER LAKE HYDROPNEUMATIC TANK REPLACEMENT					DEPARTMENT OF PUBLIC WORKS AND PLANNING		
CHECKED: SA	03/23		ROAD NO. N/A BRIDGE NO. N/A					EXISTING TANK DETAILS		
FOR RIGHT OF WAY DATA AND ACCURATE ACCESS DETERMINATION, SEE DOCUMENTS IN THE DEPARTMENT OF PUBLIC WORKS AND PLANNING.										
								DRAWING NO. 11322	SHEET NO. 5	TOTAL 6



- NOTES**
1. VERIFY DIMENSIONS W/TANK SUPPLIER PRIOR TO ORDERING TANK. NEW TANK VOLUME SHALL EQUAL EXISTING TANK CAPACITY.
 2. CONTRACTOR SHALL PROVIDE EXISTING FOOTING AND ANCHOR BOLT PATTERN TO TANK MANUFACTURER. TANK MANUFACTURER RESPONSIBLE FOR DESIGN OF NEW BOLT PATTERN UTILIZING EXISTING BOLTS AND/OR INCORPORATING NEW BOLTS. CONTRACTOR RESPONSIBLE FOR INSTALLATION OF NEW ANCHOR BOLTS IF REQUIRED, AS DESIGNED BY THE TANK MANUFACTURER.
 3. USE MEGALUG RESTRAINED JOINTS AT ALL MJ FITTINGS.
 4. WRAP ALL EXPOSED PIPING & CONDUIT IN LAYER OF LINED INSULATION. SECURE INSULATION AROUND PIPE WITH CHRISTY PIPE TAPE OR EQUIVALENT METHOD.
 5. VALVES, SOLENOIDS, TANK CONTROLS, ETC. TO BE RATED FOR EXPOSURE TO FREEZING TEMPERATURES, RAIN, SNOW, AND DUST.
 6. INSULATING FLANGE GASKET KIT REQUIRED BETWEEN DISSIMILAR MATERIAL FOR CORROSION PROTECTION.
 7. AIR COMPRESSOR CONNECTIONS SHALL BE COORDINATED WITH EXISTING AIR COMPRESSOR AND ISOLATION VALVE.
 8. INTERCEPT EXISTING CONDUITS FOR PNEUMATIC AND ELECTRICAL SUPPLY AT GROUND AND REROUTE TO NEW TANK CONNECTIONS. COORDINATE WITH TANK MANUFACTURER TO LAY OUT CONNECTIONS CONSISTENT WITH EXISTING CONDUITS IF NEEDED.
 9. DISINFECT TANK PER AWWA STANDARD C652, INCLUDING DECHLORINATION AND BACTERIOLOGICAL TESTING BEFORE COMMISSIONING THE TANK.
 10. CONTRACTOR TO COORDINATE NEW TANK LEVEL AND PRESSURE SETTINGS WITH OPERATOR.



DESIGNED: RS	DATE: 01/23	RECORD DRAWING		Scale in Feet	 SUPERVISING ENGINEER 2023-05-30 DATE	PROJECT	 No. C76724 Exp. 12/31/24 CIVIL STATE OF CALIFORNIA	DEPARTMENT OF PUBLIC WORKS AND PLANNING
DRAWN: RS	DATE: 01/23	RESIDENT ENGINEER	NO SCALE	WWD41 SHAVER LAKE		HYDROPNEUMATIC TANK REPLACEMENT		NEW TANK DETAILS
CHECKED: SA	DATE: 03/23							
FOR RIGHT OF WAY DATA AND ACCURATE ACCESS DETERMINATION, SEE DOCUMENTS IN THE DEPARTMENT OF PUBLIC WORKS AND PLANNING.						ROAD NO. N/A		BRIDGE NO. N/A