

SHEETS 4
SHEET 4


PROJECT: Saddle Road Water System
OWNER: Saddle Road Group, LLC
LOCATION: Saddle Road, Monterey County, CA

DETAILS & ELECTRICAL

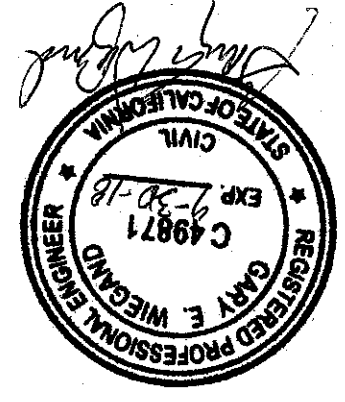
BY	DATE	REVISIONS
BA/1/13	Per Plan Check	#1

JOB NO.	DATE	SCALE	DESIGNED BY	CHECKED BY
	2-16-2010	As Noted	G. Wiegand	G. Wiegand

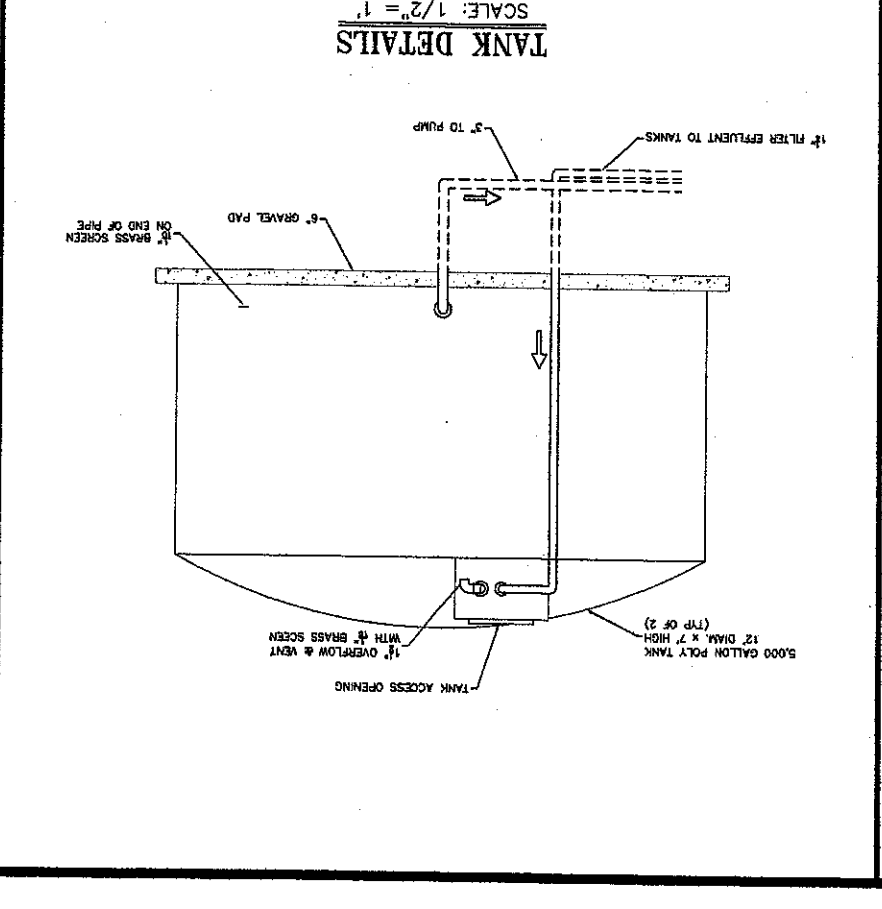
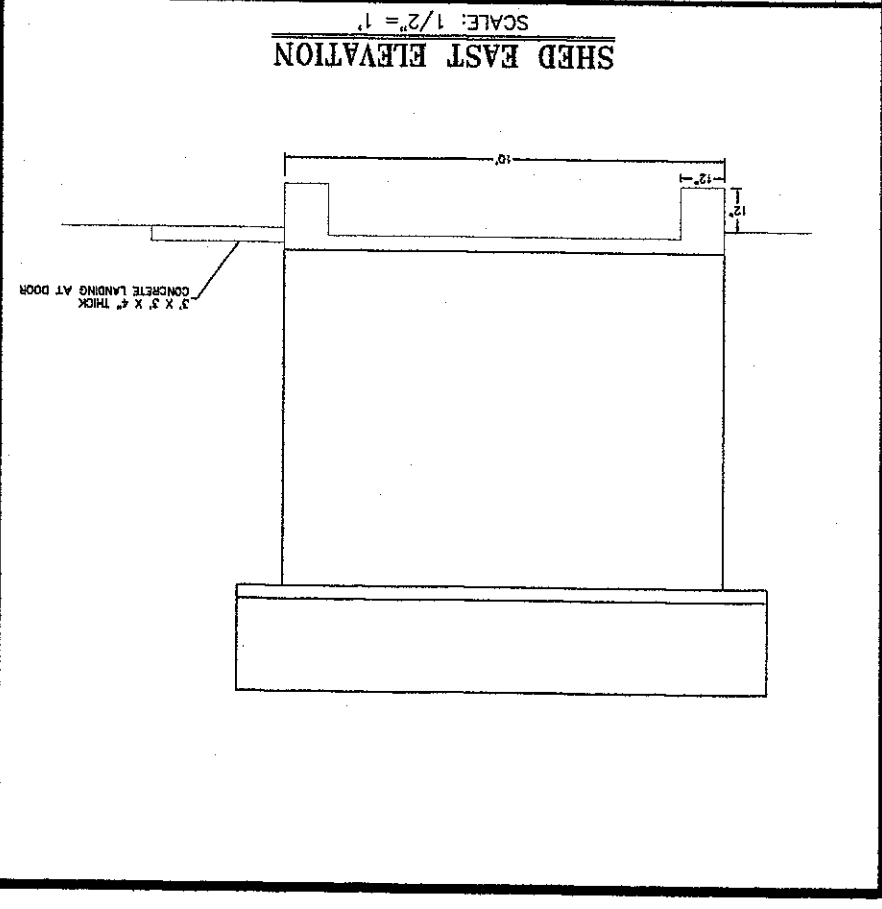
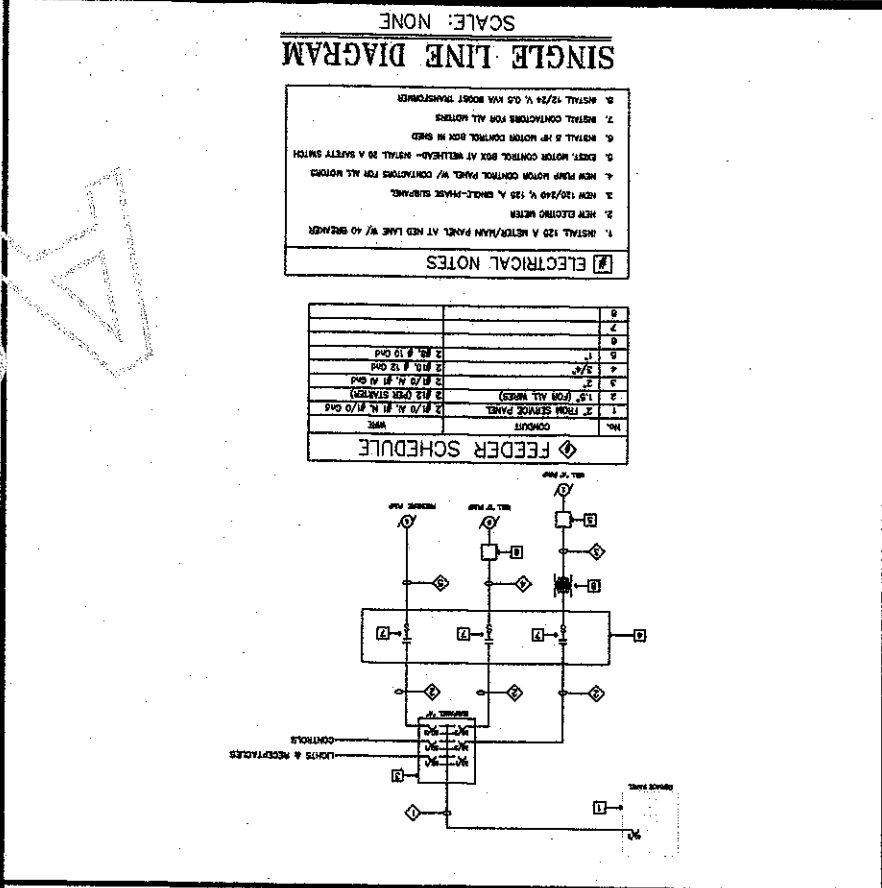
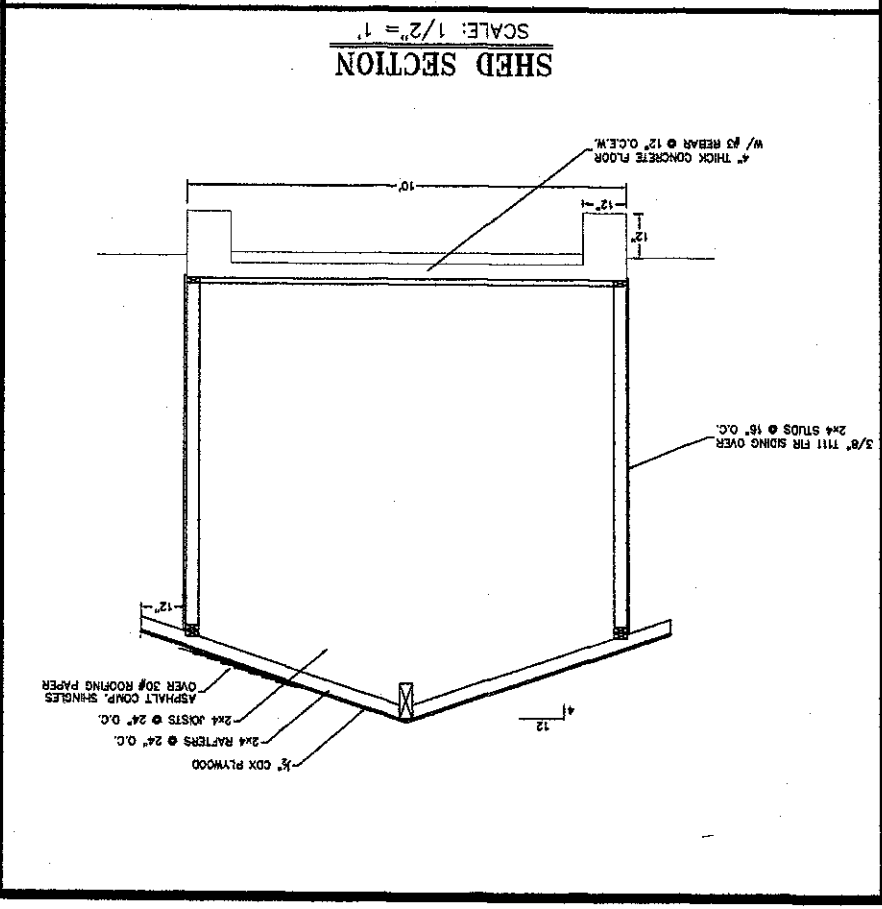
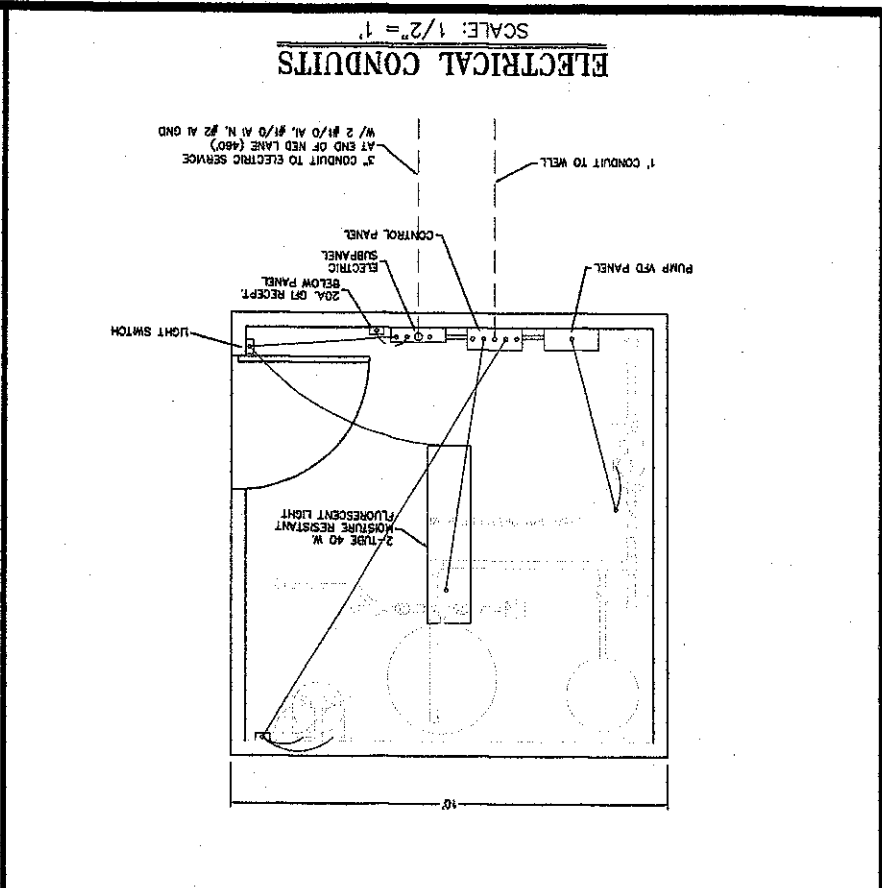
REVISIONS BY OR UNDER THE DIRECTION OF:



UTILITY SERVICES
 615 A. ORTIZ AVENUE
 SANB CITY, CA 95066
 TEL: (831) 383-0468
 FAX: (831) 383-0472



BUILT



SADDLE ROAD GROUP, LLC

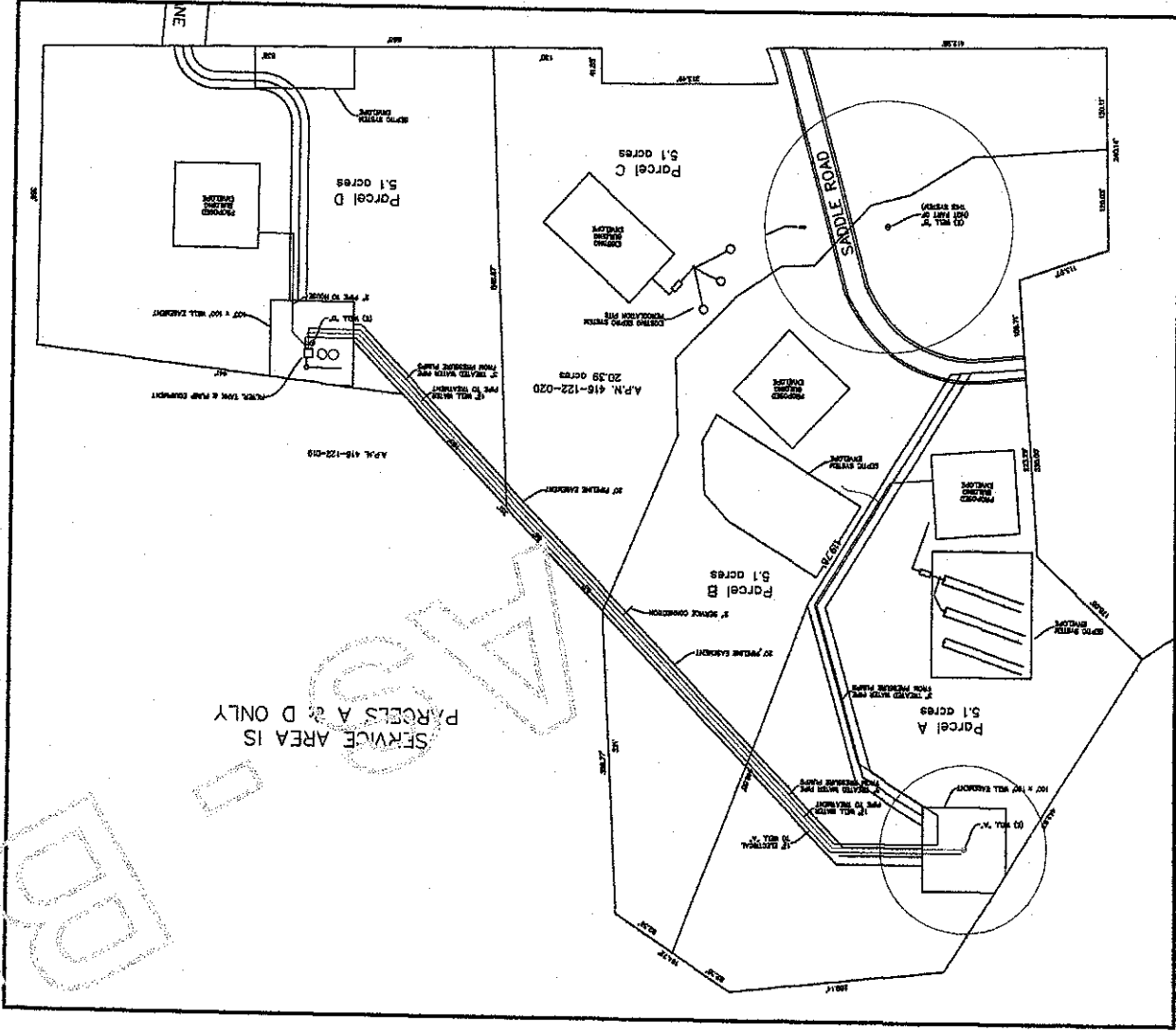
MONTEREY COUNTY, CALIFORNIA

DRAWINGS FOR CONSTRUCTION OF

POTABLE WATER SYSTEM

February 2010

SPECIFICATIONS



1. There are existing wells on Parcels A and D that will supply the proposed water system. The pump motor in Well A is 2 HP, 240 V, single-phase. A 2-pole safety disconnect switch, a 2 HP control box and a Pump saver #233 motor protector shall be installed at the Well A wellhead and connected to the existing submersible drop cable. The motor in Well D is 2 HP, 240 V, single-phase. A 2 HP control box and a Pump saver #233 motor protector shall be installed in the filter plant shed to operate this motor.

2. A manganese greensand filter, Pure Aqua model #GSF24-A-F or approved equal shall be installed in the filter plant shed on Parcel D as shown. Water from both wells shall be piped to this filter and the effluent shall be piped to the storage tanks as shown. The filter backwash shall use water from the pressure system. Backwash effluent shall be piped to a retention basin and leach field as shown. The filter shall backwash when the combined operating time of the two wells reaches a certain amount that is adjustable in the filter controller.

3. Sodium hypochlorite solution (12%) will be injected into the well water as shown to oxidize the iron and manganese in the water. One chlorine feed pump shall be provided for each well and shall operate when the well pump is "on." The feed pumps shall be Chemtech XP Series rated at 4 GPD and 100 PSI.

4. The water storage tanks shall be nominal 5,000-gallon polyethylene tanks as manufactured by Norwesco, Snyder Industries or equal. The tank shall be certified per NSF 61 for storage of potable water.

5. The pressure pump shall be a Goulds 10SV6FB30, multi-stage vertical centrifugal pump with a 5HP, three-phase, 230-volt motor. This pump shall be controlled by a Goulds 3AS50 Aquavar variable frequency drive that shall control the speed of the pump to maintain a settable discharge pressure.

6. A 62-gallon bladder pressure tank shall be installed as shown. The tank shall be Pro-Source Plus steel (or approved equal) and shall be rated for 125 PSI working pressure and shall be certified per NSF 61 for storage of potable water. The tank shall be installed with an isolation valve and union.

7. Pipe and fittings shall be Schedule 40 PVC installed in the sizes and location as shown. All water system components shall be certified per NSF 61 for contact with potable water.

9. The Monterey County Health Department shall be contacted for inspection of all buried pipe with 48 hours notice given.

Approved for Construction

By: _____	Monterey County Health Department
By: _____	Salinas Rural Fire Department

SHEET INDEX

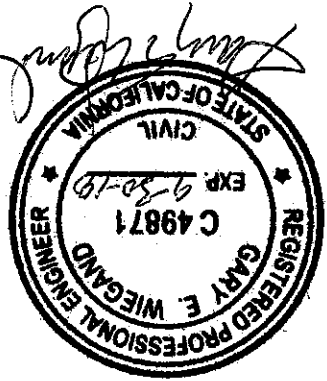
DESCRIPTION	SHEET NO.	TITLE, INDEX & VICINITY PLAN	PLANT MECHANICAL	DETAILS & ELECTRICAL
1	1			
2	2			
3	3			
4	4			

TITLE SHEET

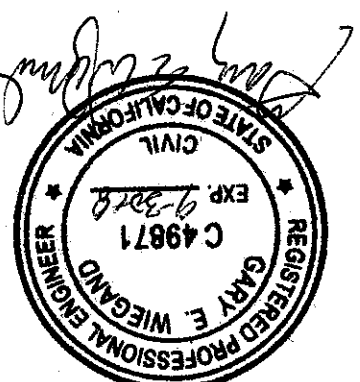
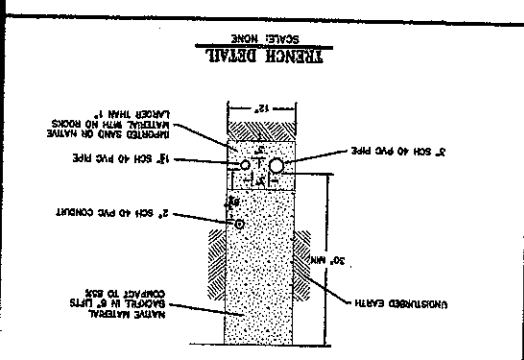
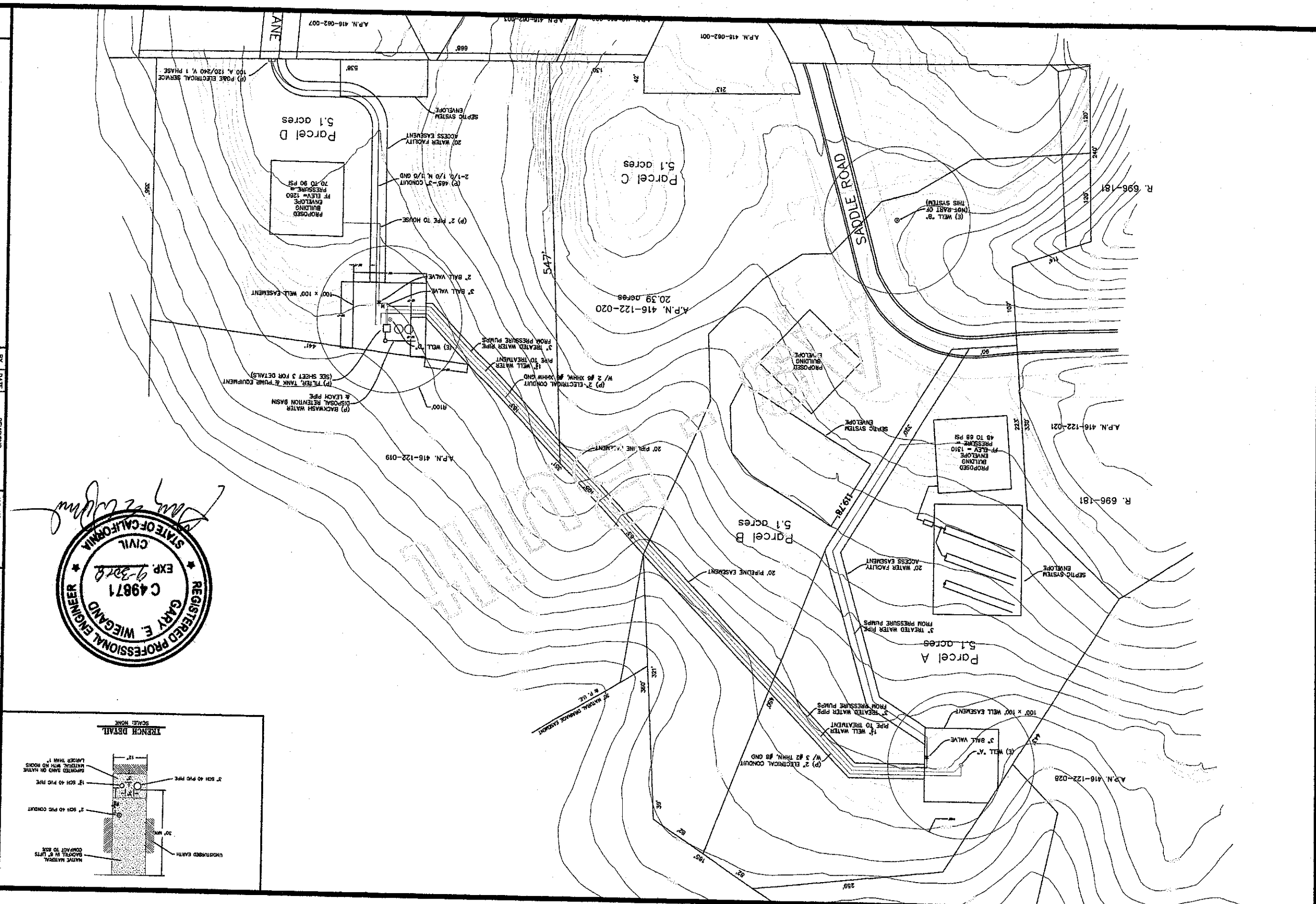
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 OWNER: Saddle Road Group, LLC
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BY	DATE	REVISIONS
Δ	2/1/10	Per Plan Check #1

JOB NO.:
 DATE: 2-18-2010
 SCALE: As Noted
 DESIGNED: G. Wiegand
 DRAWN: G. Wiegand
 CHECKED:



UTILITY SERVICES
 SJS A. GERTZ ASSOCIATES
 SAND CITY, CA 95568
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 FAX: (831) 388-0482



SITE PIPING PLAN

PROJECT: Saddle Road Water System
 OWNER: Saddle Road Group, LLC
 LOCATION: Saddle Road, Monterey County, CA

BY	DATE	REVISIONS
AW	2/1/13	Per Plan Check #1

JOB NO.	DATE	DESIGNED BY	CHECKED BY
2-18-2010	2-18-2010	G. Wiegand	G. Wiegand

UTILITY SERVICES

619 A. ORTIZ AVENUE
 SAN JOSE, CA 95128

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SHEET 2 OF 4 SHEETS