

Soil Suitability Study
TUSCAN WINE VILLAGE PROPERTY
12470 East Locke Road, Lockeford, California

19 September 2019
AGE-Project No. 19-4840

AdvancedGeo
Environmental



An Employee-Owned Company

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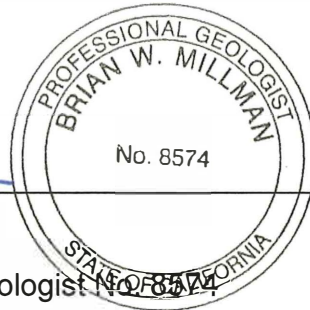
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"Working in Partnership with People, Business and the Environment"

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TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
1.0. INTRODUCTION AND PROPOSED DEVELOPMENT	1
1.1. DESCRIPTION OF SITE.....	1
1.2. DESCRIPTION OF PROPOSED DEVELOPMENT	2
1.3. PARCEL VICINITY LOCATION MAP.....	2
1.4. SITE MAP	2
2.0. PRESENT AND PAST USAGE OF SITE.....	2
2.1 POTENTIAL SITE PROBLEM ASSESSMENT	3
3.0. EXISTING AND PROPOSED SEPTIC TANK USAGE	3
3.1. EXISTING ON-SITE SEPTIC TANK USAGE	3
3.2. SITE SEPTIC PERMIT HISTORY	3
3.3. ON-SITE SEPTIC TANK REPAIR HISTORY	4
3.4. EXISTING SEPTIC TANK USAGE IN THE GENERAL AREA	4
3.5. GENERAL AREA SEPTIC PERMIT HISTORY	4
3.6. PROPOSED MAXIMUM SEPTIC TANK USAGE ON SITE	5
4.0. GROUNDWATER INFORMATION - REGIONAL HYDROGEOLOGY	5
4.1. GROUNDWATER DESCRIPTION FOR THE GENERAL AREA	5
4.2. GROUNDWATER CONTAMINATION IN THE AREA OF THE SITE	6
4.3. ON-SITE EXISTING WELL DESCRIPTION.....	6
4.4. CONSTITUENTS BEING TESTED FOR IN THE WATER SAMPLE	6
4.5. GROUNDWATER SAMPLE COLLECTION	6
4.6. GROUNDWATER ANALYTICAL REPORT.....	7
5.0. SOIL PROFILE	7
5.1. SOIL PROFILE PIT INCLUDING DEPTH AND DIMENSIONS	7
5.2. SOIL LITHOLOGY AS RELATED TO FUTURE ONSITE SEPTIC USES.....	7
6.0. PERCOLATION TEST INFORMATION	7
6.1. NUMBER OF PERCOLATION TESTS PERFORMED.....	8
6.2. CONSTRUCTION OF PERCOLATION TEST HOLE.....	8
6.3. DESCRIPTION OF THE PERCOLATION TEST HOLE - POST SOAK	8
6.4. PERCOLATION TEST CONFORMED TO SJC POLICY EHD 98-02	8
6.5. COMPLETED PERCOLATION TEST FORM.....	9
6.6. POTENTIAL PROBLEMS PREDICTED.....	9
6.7. PERCOLATION TEST FINDINGS	9
7.0. CONCLUSIONS.....	9
8.0. LIMITATIONS	9

Soil Suitability Study
TUSCAN WINE VILLAGE PROPERTY
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TABLE OF CONTENTS

FIGURES

- Figure 1 – *Location Map*
- Figure 2 – *Site Plan*
- Figure 3 – *Site Plan - Expanded*

APPENDICES

- Appendix A – *Parcel Vicinity Map/Air Photo and Information*
- Appendix B – *Onsite Well/Septic Permits*
- Appendix C – *McCampbell Analytical, Inc. Lab Report*
- Appendix D – *Percolation Test Sheet/ Onsite Wastewater Treatment System Permit -
Percolation Test*

Soil Suitability Study
TUSCAN WINE VILLAGE PROPERTY
12470 East Locke Road, Lockeford, California

1.0. INTRODUCTION AND PROPOSED DEVELOPMENT

Advanced GeoEnvironmental, Inc. (AGE) has prepared this *Soil Suitability Study* for the property located at 12470 East Locke Road, Lockeford, California (site or subject property). The purpose of this study is to determine the suitability of the subsurface for the proposed development of the property. A large portion of the property is planned to be developed with greenhouses for cannabis cultivation. The study was performed in accordance with the requirements of Section 9-1105.2(d) of the San Joaquin County Community Development Department. The scope of work included a soil percolation test, groundwater sampling of the onsite domestic water well, review of published soil and groundwater information, and local septic use and permit research. The site and surrounding area are illustrated in Figure 1. A site plan and expanded site plan depicting structures, the percolation test hole location, water well locations, the existing onsite septic systems, and the planned location of the proposed greenhouses are illustrated in Figures 2 and 3, respectively.

1.1. DESCRIPTION OF SITE

The location of the site, surrounding properties and general setting is illustrated on the Lockeford topographic map (7.5 Minute United States Geological Survey (USGS) Topographic Series, California). The site is located in the southwestern portion of Section 36, Township 4 North, Range 7 East, Mount Diablo Base and Meridian (Figure 1).

The map shows the property located at an elevation of approximately 90 to 95 feet above mean sea level in an area of low topographic relief. The regional slope of the area is relatively gentle and dips toward the southwest.

The property is located on the south side of Locke Road, approximately 3,000 feet southwest of the intersection of Locke Road and Main Street (Highway 12), Lockeford, California. The site consists of a 23.61-acre parcel identified as San Joaquin County Assessor Parcel Number (APN) 051-320-120. The current use type is commercial; and according to the property owner, the current zoning of the property is industrial general.

The property is currently used as a wine processing facility and restaurant. There are three water wells on the property (Wells #1, #2, and #3; Figure 2), and according to the property owner there are four existing septic systems on the property. Additionally, AGE found records of one septic system that was destroyed in August 2000. There are six existing structures/buildings on the property. The following is a brief summary of the size and use of each building:

- Building #1 is 22,275 square feet and is used for winery processing, maintenance storage, administration, and a microbrewery.

- Building #2 is 13,400 square feet and is used for wine storage and an equipment area.
- Building #3 is 19,250 square feet and is used for wine storage and a restaurant.
- Building #4 is 3,000 square feet and is used for restrooms.
- Building #5 is 1,860 square feet and is used as a scale house and office.
- Building #6 is 400 square feet and is used as a storage shed.

Water well #2 is permitted by the San Joaquin County Environmental Health Department (EHD) as a non-community transient public water system. This water well provides potable water to the property. The locations of the wells and site structures are depicted in Figures 2 and 3.

1.2. DESCRIPTION OF PROPOSED DEVELOPMENT

The proposed development includes utilizing approximately 17 acres of the property for greenhouses for cannabis cultivation. The proposed development does not include the addition of an onsite wastewater treatment system. Portable restrooms will be used for the onsite staff. No additional development is proposed for the property. The proposed location for the greenhouses is depicted in Figures 2 and 3.

1.3. PARCEL VICINITY LOCATION MAP

San Joaquin County Assessor's Map Book 51 Page 32 depicts the site parcel (APN 051-320-120) on the northern portion of the page. The parcel is bordered to the east by commercial property (APN 051-320-110); to the north by Locke Road followed by agricultural property (051-290-080); to the south by industrial property (051-320-100); and to the west by commercial property (051-320-050). The parcel vicinity map and a satellite overview map are included as Appendix A.

1.4. SITE MAP

A plan of the specific site features (i.e., structures, drives, wells, septic systems, large trees, pastures, etc.) is illustrated in Figures 2 and 3.

2.0. PRESENT AND PAST USAGE OF SITE

The property has been historically utilized for commercial purposes as a winery. The property was operated by the Lockeford Winery Cooperative between 1947 and 1973. Winery operations ceased in 1973 and the site was inactive until 2000. From 2000 to the

present the site has been utilized as a winery and restaurant. Currently, three licensed wineries utilize the site.

2.1 POTENTIAL SITE PROBLEM ASSESSMENT

The potable water supply for the property is currently provided by Well #2, the onsite domestic water well. The well is a sufficient distance from the existing septic systems (over 100 linear feet; Figure 2). Two additional water wells are located on the property for industrial activities (Well #1) and fire suppression (Well #3). The development of greenhouses in the central and southern portions of the site will not affect water being supplied to the property.

3.0. EXISTING AND PROPOSED SEPTIC TANK USAGE

According to the property owner, there are currently four septic systems located on the property. The septic systems are located on the southern side of buildings #1, #3, #4, and #5 (Figure 2). AGE reviewed online EHD program records for the subject property and could not locate any permits for septic tank/system installation at the site. Additionally, AGE submitted an EHD record release form requesting all liquid waste/water well permits for the subject property and for any former addresses listed for the subject property (Appendix B). AGE was contacted by EHD staff and notified that all liquid waste/water well permits have been scanned and are online. Therefore, the sizes of the septic systems are unknown.

There are no plans to install another septic system at the subject property. Portable restrooms will be made available to the staff maintaining the greenhouses.

3.1. EXISTING ON-SITE SEPTIC TANK USAGE

As stated above, there are currently four septic systems located on the property and no septic system installation permits are available.

3.2. SITE SEPTIC PERMIT HISTORY

Only two septic permits are on record at the EHD. EHD Permit 79-1008 on record for 12418 East Locke Road, Lockeford, California indicates that the septic system adjacent to Building #5 was repaired; the permit does not specify what repairs were performed (Appendix B).

EHD Permit SR0023740 on record for 12470 East Locke Road, Lockeford, California, indicates that the septic system formerly located in the area of Building #6 was destroyed in August 2000 (Appendix B).

3.3. ON-SITE SEPTIC TANK REPAIR HISTORY

As stated above, there is one record (EHD Permit 79-1008) of repairs performed for the septic system located adjacent to Building #5; the permit does not specify what repairs were performed (Appendix B).

There are no additional records of repairs performed on the existing septic systems at the subject property.

3.4. EXISTING SEPTIC TANK USAGE IN THE GENERAL AREA

Neighboring properties are zoned for commercial, industrial, and agricultural land use. The adjacent properties to the east and west are commercial; the adjacent property to the south is industrial; and the properties to the north beyond Locke Road are agricultural. AGE could only locate two liquid waste permits on record at the EHD for installation of septic systems surrounding the site property.

3.5. GENERAL AREA SEPTIC PERMIT HISTORY

The following is a summary of information based on new septic system installation permits currently on file with EHD.

ADDRESS: 12405 East Brandt Road

LOCATION: Adjacent property

SEPTIC SYSTEM: Permit date October 2004; new installation of septic system: two 1,200-gallon tanks with total of four compartments, distribution box (D-Box), three 50-foot long leach lines, and three seepage pits (3.5' by 25').

ADDRESS: 12101 East Brandt Road

LOCATION: 800 feet west of property

SEPTIC SYSTEM: 1) Permit date June 1976; new installation of septic system: 1,600-gallon tank with two compartments, D-Box, three 40-foot long leach lines, and three seepage pits (4' by 25'); 2) Permit date September 1977; addition to June 1976 septic system by adding three seepage pits (33" by 25'); 3) Permit date February 1984; new installation of septic system: 1,200-gallon tank with two compartments, D-Box, and three seepage pits (3' by 25').

No additional septic system installation permits were on file with the EHD for the immediate surrounding area.

3.6. PROPOSED MAXIMUM SEPTIC TANK USAGE ON SITE

There are currently four septic systems located on the property. The septic systems are located to the south of buildings #1, #3, #4, and #5 (Figure 2). AGE could not locate any permits for septic tank/system installation at the site (Section 3.0.) Therefore, the sizes of the septic systems are unknown.

There are currently eight employees at the facility and a restaurant that is open four days a week (31 hours per week). The estimated rate of visitors per day including the restaurant and tasting area is 15 to 20 people. The average and reasonable usage of three to five gallons per day per person is typical for a visitor to the site setting; and ten to fifteen gallons per day per person is typical for an employee.

4.0. GROUNDWATER INFORMATION - REGIONAL HYDROGEOLOGY

The Geologic Map of California, published in 1966 by the California Department of Conservation Division of Mines and Geology, shows the site area within the Great Valley Syncline (GVS), a large, elongate, northwest trending structural trough. The GVS is subdivided into two major divisions designated the Sacramento and San Joaquin Valleys, which have been filled to the present elevation with thick sequences of sediment ranging in age from Jurassic to present day, creating a nearly flat-lying alluvial plain extending from the Tehachapi Mountains in the south to the Klamath Mountains in the north. The western and eastern boundaries of this province are comprised of the California Coast Range and the Sierra Nevada, respectively. Geologically, the area around the property generally consists of Holocene-aged flood-basin deposits of clay, silt, and sand. Miocene to Holocene age-units are located in the surrounding area.

These deposits are heterogeneous mix of generally poorly sorted clay, silt, sand, and gravel with some beds of claystone, siltstone, sandstone, and conglomerate (1986). Most of the fresh groundwater in the Central Valley is contained in the post-Eocene-aged continental rocks and deposits and in the Holocene-aged river deposits consisting of gravel, sand, silt, and minor amounts of clay. In general, these geologic materials comprise a major widespread aquifer extending hundreds of feet deep and occasionally containing individual confining layers. The Modesto, Riverbank, Turlock Lake Formations and overlying recent alluvium are the principal source of domestic groundwater in the 13,500-square mile San Joaquin Valley Groundwater Basin (Basin 5-22). This basin is drained primarily by the San Joaquin River, which is approximately 15 miles southwest of the property. The nearest surface water feature near the site is the Mokelumne river located approximately 4,000 feet northwest of the property.

4.1. GROUNDWATER DESCRIPTION FOR THE GENERAL AREA

According to the San Joaquin County Flood Control and Water Conservation District's Lines of Equal Depth to Groundwater Fall 2018, depth to groundwater at the site is

approximately 125 feet below surface grade (bsg). Groundwater flow direction locally appears to be radially away from the site towards the northeast, southwest, and southeast. Groundwater was not encountered in the 42-inch deep percolation test hole on 10 September 2019.

4.2. GROUNDWATER CONTAMINATION IN THE AREA OF THE SITE

The immediately adjacent and outlying land use from the parcel is commercial, industrial, and agricultural. Potential groundwater contamination can occur from several sources including leaking underground storage tanks, septic systems, agricultural activities, dairies, and stormwater infiltration. A review of the California Department of Toxic Substances Control (DTSC) EnviroStor Database and the Geotracker Web site revealed a leaking fuel underground storage (LUST) site at the subject property and another approximately 0.25 miles south of the site at 12101 East Brandt Road. The subject property LUST has been closed for over 10 years and the East Brandt Road LUST has been closed for over 20 years. Both former LUSTs should not impact the subject property. The review did not reveal any other sites of environmental concern within a half-mile radius of the site.

4.3. ON-SITE EXISTING WELL DESCRIPTION

There are three water wells on the property. Potable water is supplied to the property from Well #2. Well #2 is permitted as a non-community transient public water system and is regulated by the EHD. Wells #1 and #3 are used for industrial activities and fire suppression, respectively. AGE could not locate well installation permits for any of the water wells on the EHD online program records or through the EHD records request. Additionally, AGE reviewed water well completion reports on the Department of Water Resources (DWR) online database and could not locate any well installation permits or reports for the subject property. Therefore, no well construction information is available for the wells. However, AGE did locate several pump repair permits ranging in permit dates from 1973 to 2011. Most of the permits are for pump replacements (Appendix B).

4.4. CONSTITUENTS BEING TESTED FOR IN THE WATER SAMPLE

Nitrate (NO₃) constituents were tested in the existing potable groundwater supply well at the subject property (Well #2/DW-1).

4.5. GROUNDWATER SAMPLE COLLECTION

On 10 September 2019, a sample of the drinking water supplied by the current potable groundwater supply well at 12470 East Locke Road, Lockeford was collected in an unpreserved 1-liter plastic container (Well #2). The groundwater sample container was

properly labeled, placed in a chilled container and transported under chain-of-custody protocols to McCampbell Analytical, Inc. (MAI), a California Environmental Laboratory Accreditation Program (ELAP)-certified laboratory. The sample was analyzed for Nitrate as Nitrogen (N) and Nitrate as NO_3^- .

4.6. GROUNDWATER ANALYTICAL REPORT

Nitrate as N was detected at 0.14 milligrams per liter (mg/l) and Nitrate as NO_3^- was detected at 0.60 mg/l in the water sample. The MAI laboratory report (Work Order: 1909459) with quality assurance/quality control (QA/QC) reports and chain-of-custody form are provided in Appendix C.

5.0. SOIL PROFILE

An OWTS Permit was issued for the property by the EHD on 29 August 2019 to perform a percolation test (Appendix D). On 10 September 2019, a 4-inch diameter hand auger was utilized to advance a percolation test hole to 42 inches bsg at the property (Figure 2).

A plan of the specific site features including the percolation test hole locations (i.e., structures, drives, wells, septic systems, large trees, pastures, pools, natural drainage courses, ponds, waterways, etc.) is illustrated in Figure 2.

5.1. SOIL PROFILE PIT INCLUDING DEPTH AND DIMENSIONS

The percolation test hole was located north of the existing stormwater pond and south of Building #1, approximately 60 feet from the eastern property boundary. The percolation test hole was advanced to a depth of 42 inches bsg using a four-inch diameter hand auger (Figure 2).

5.2. SOIL LITHOLOGY AS RELATED TO FUTURE ONSITE SEPTIC USES

The soil was visually described in accordance with the Unified Soil Classification System by a representative of AGE under the supervision of a California Professional Geologist. The soil collected from the percolation test hole boring consisted of dry, fine-grained sandy silt and silty sand from surface grade to total depth. The soil type is considered semi-permeable to permeable and sufficient for liquid waste disposal and treatment.

6.0. PERCOLATION TEST INFORMATION

A percolation soil suitability test was performed at the site under EHD permit No. SR0081095 using a four-inch diameter soil boring established to depths of 42 inches bsg.

A site map showing the approximate location of the percolation test hole is illustrated in Figures 2 and 3. A precise description of the location and construction of the percolation test hole is included in Appendix D (EHD form 42-03 revised 11/02/2009). The soil suitability study was conducted to the north of the existing stormwater pond.

6.1. NUMBER OF PERCOLATION TESTS PERFORMED

One shallow percolation test was performed at the site. The appropriate percolation test procedure established by the EHD was followed for the test (Procedure #2). The percolation test hole was pre-soaked overnight for 24-hour followed by a four-hour percolation testing period.

6.2. CONSTRUCTION OF PERCOLATION TEST HOLE

On 10 September 2019, one boring was advanced for a shallow percolation test. The boring was advanced using a four-inch diameter hand auger to a depth of 42 inches bsg. The boring was located north of the existing stormwater pond and south of Building #1. Following borehole advancement, the sides of the boring were scraped, and loose material was removed from the borehole. Once the borehole was cleared of loose material, two inches of fine gravel was added to the borehole. The borehole was then filled with water to a depth of 12 inches above the gravel at the time of 0800. The test hole was then covered for 24 hours to allow for complete saturation of the borehole.

6.3. DESCRIPTION OF THE PERCOLATION TEST HOLE - POST SOAK

On 11 September 2019, the boring was found to be completely dry, intact and in good condition.

6.4. PERCOLATION TEST CONFORMED TO SJC POLICY EHD 98-02

The work was performed in accordance with San Joaquin County Division 11 Section 9-1105.2 (d) General Requirements.

On 11 September 2019, the percolation test hole was dry after sitting overnight. Percolation test procedure #2 was performed by adding water to approximately six inches above the gravel and recording the amount of water remaining in the borehole at 30-minute intervals for a period of four hours. Additional water was added to the boring after each 30-minute interval as required to ensure that approximately six inches of water remained above the gravel. The water level was measured from a fixed reference point at the surface of the boring using a Solinst water level meter. Measurements were recorded at 30-minute intervals for four hours. The final two measurements were observed by the EHD inspector. Based on the field measurements collected, the percolation rate for the parcel was calculated; the Percolation Test Rate Field Sheet is provided in Appendix D.

6.5. COMPLETED PERCOLATION TEST FORM

After completion of the successful test, the EHD inspector reviewed the field data and signed the required EHD Percolation Test Rate form. Field measurements recorded during the test are included on the Percolation Test Rate Field Sheet provided in Appendix D.

6.6. POTENTIAL PROBLEMS PREDICTED

On site soils within the shallow percolation test hole demonstrated adequate percolation rates. Additionally, the existing septic systems have been properly operating.

6.7. PERCOLATION TEST FINDINGS

The shallow percolation test performed provided a satisfactory percolation test rate. The percolation rate of 6.75 minutes per inch was calculated from data collected during the 4-hour percolation test; the smallest reading over the 4-hour period was used to calculate the percolation rate. The use of the existing septic systems should follow the San Joaquin County On-site Wastewater Disposal Standards.

7.0. CONCLUSIONS

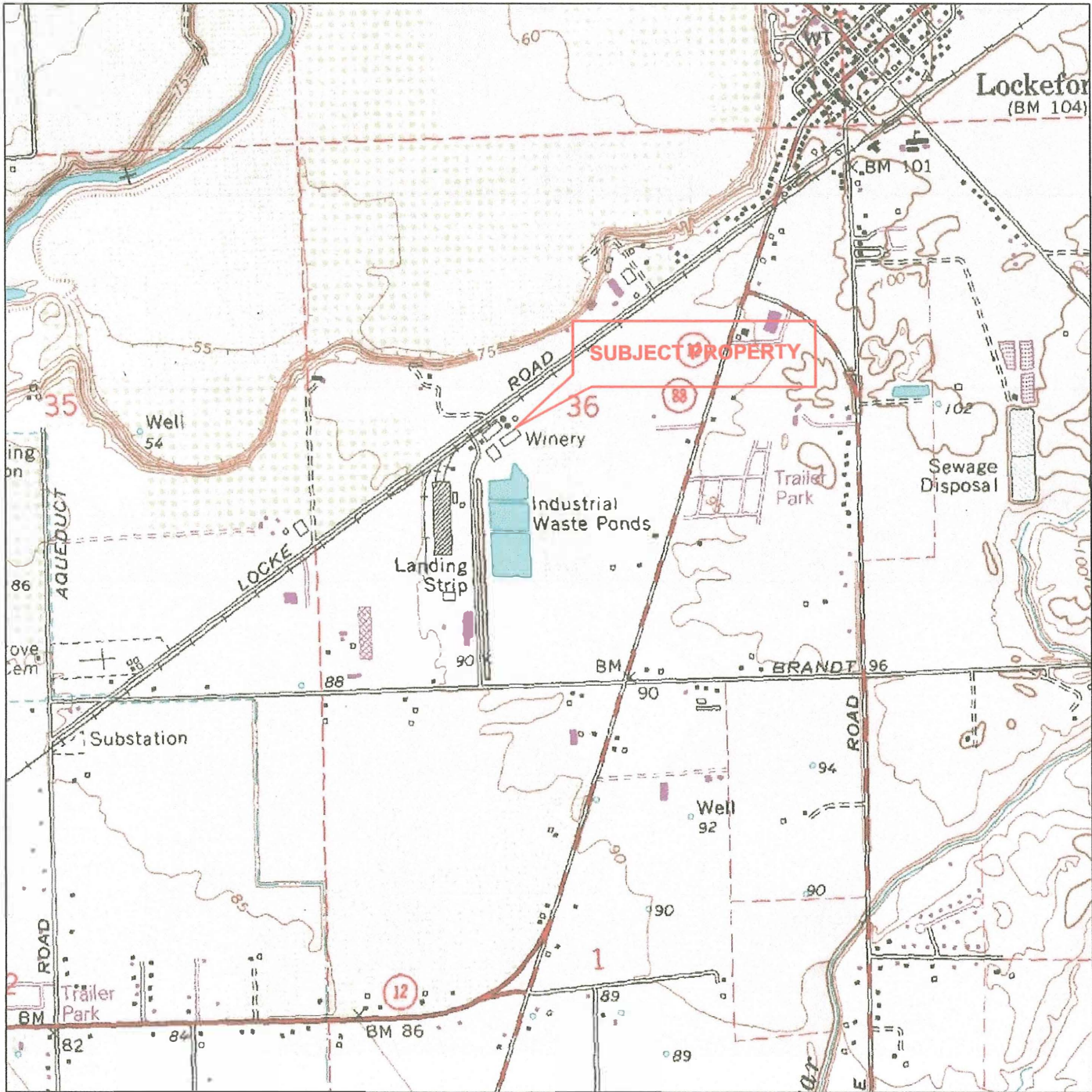
Based on this *Soil Suitability Study*, AGE concludes the following:

- All approved septic system use should follow the EHD On-Site Waste Disposal Standards.
- The proposed site development is appropriate with the use of the current potable water supply and existing septic systems.

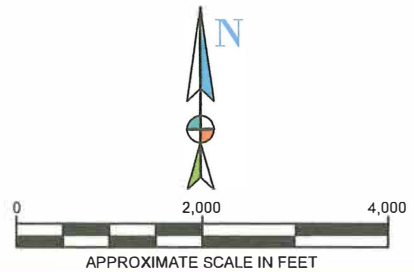
8.0. LIMITATIONS

Our professional services were performed using that degree of care and skill ordinarily exercised by environmental consultants practicing in this or similar localities. The findings were based on field testing results. Evaluations of the hydrogeologic conditions at the site for the purpose of this investigation were made from a limited number of available data points (i.e. test hole and field data) and subsurface conditions may vary away from these data points. No other warranty, expressed or implied, is made as to the professional interpretations, opinions and recommendations contained in this report.

FIGURES



LOCKEFORD QUADRANGLE, CALIFORNIA
7.5 MINUTE SERIES (U.S. GEOLOGICAL SURVEY)



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(800) 511-9300

LOCATION MAP
TUSCAN WINE VILLAGE PROPERTY
12470 LOCKE ROAD
LOCKEFORD, CALIFORNIA

DATE: SEPTEMBER 2019

FILE: LOCATION

DRAWN BY: BWM

PROJECT NO. AGE-19-4840

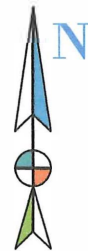
FIGURE: 1

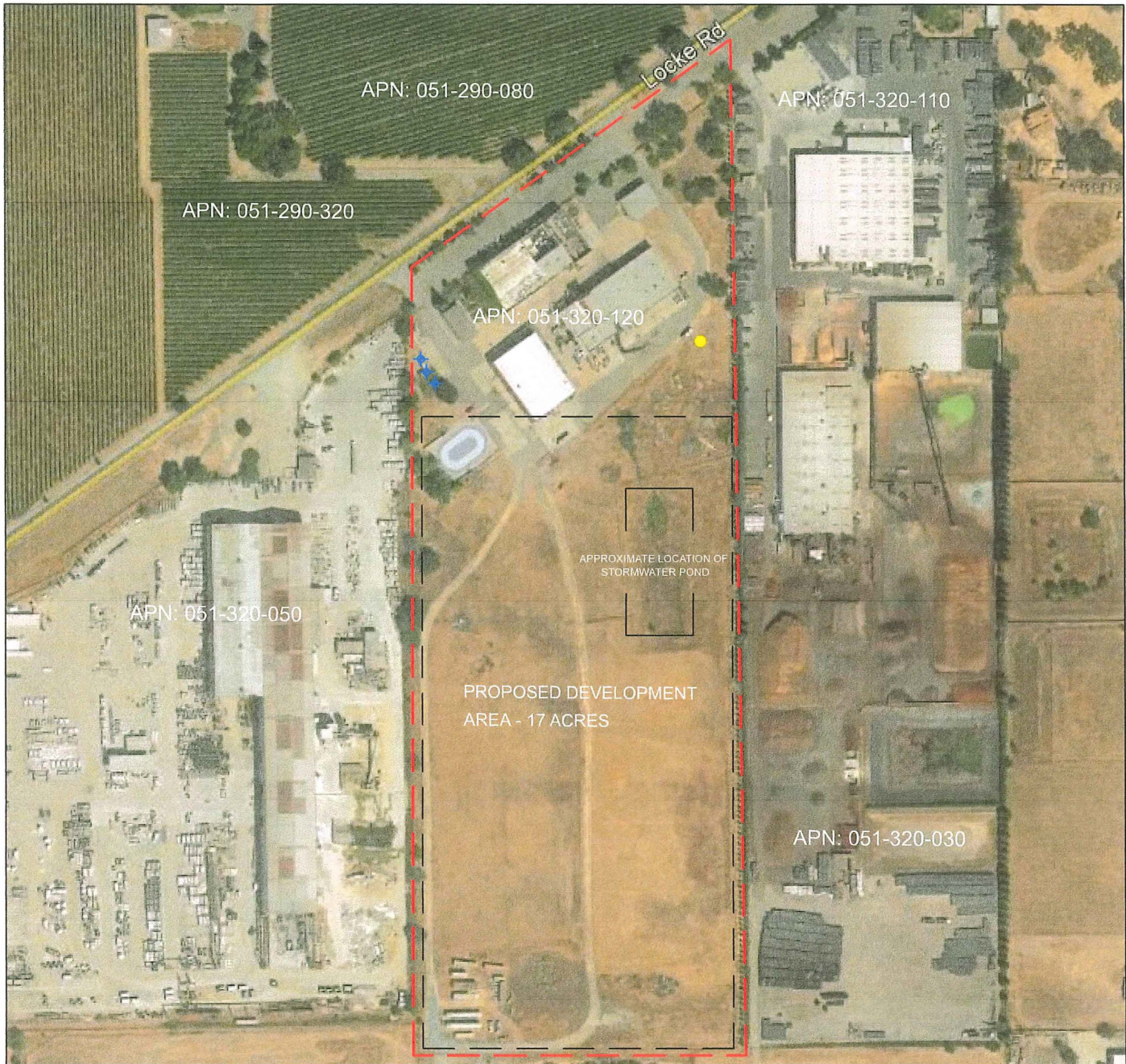


*Base map from Google Earth




LEGEND

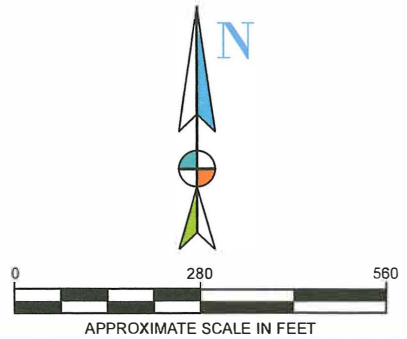
- - - : Approximate Property Boundary
- : Approximate Location of Percolation Test Hole
- ✦ : Approximate Location of Water Well
- : Approximate Location of Existing Septic Tank



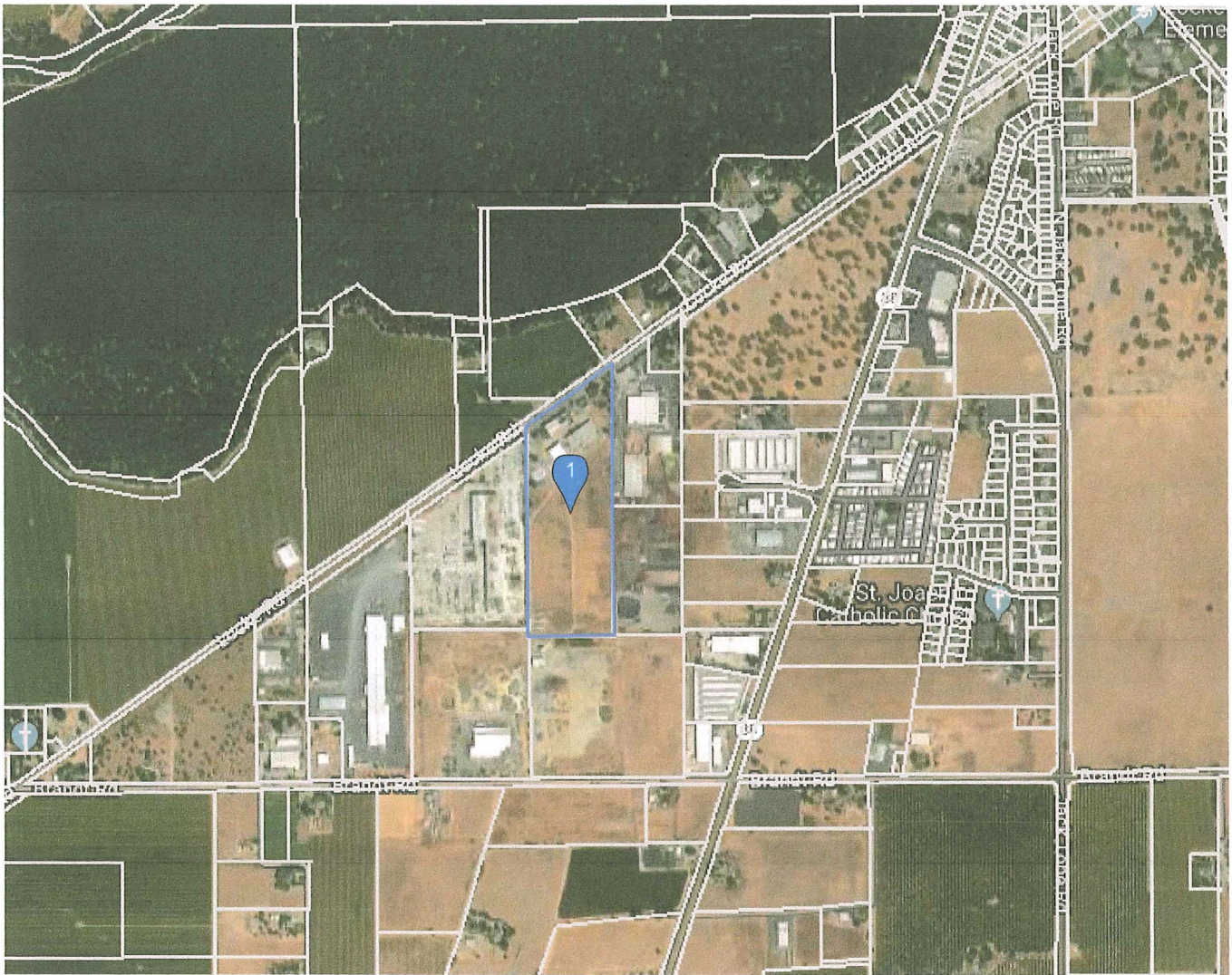


LEGEND

-  : Approximate Property Boundary
-  : Proposed Percolation Test Hole Location
-  : Approximate location of Water Well



APPENDIX A



1 Property Address: 12470 E LOCKE RD LODI CA

Ownership

County: **SAN JOAQUIN, CA**
 Assessor: **STEVE BESTOLARIDES, ASSESSOR**
 Parcel # (APN): **051-320-120-000**
 Parcel Status: **ACTIVE**
 Owner Name: **NRC EQUITY FUND 1**
 Mailing Address: **736 S CENTER ST RENO NV 89501**
 Legal Description:

Assessment

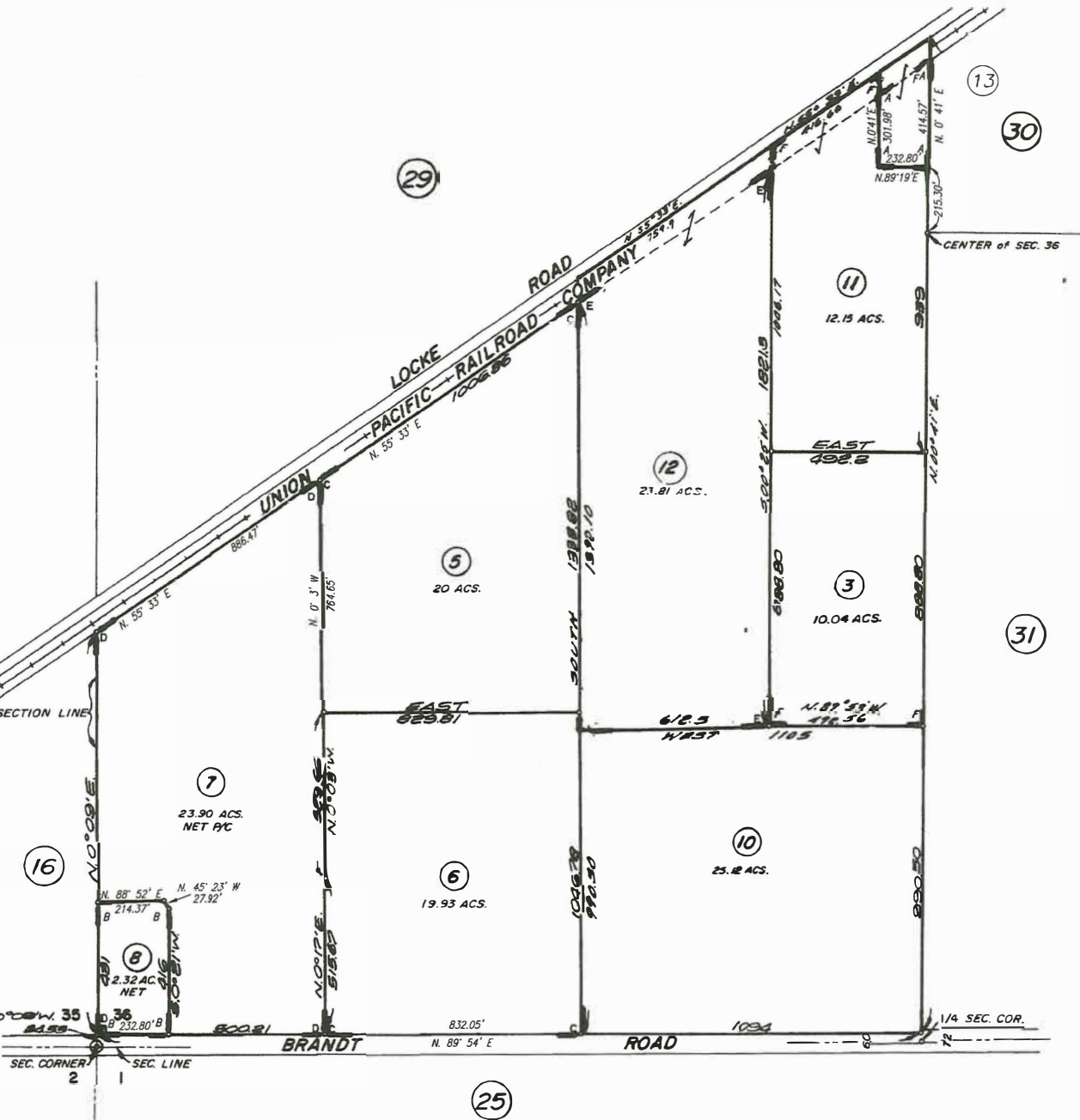
Total Value:	\$2,026,751	Use Code:	352	Use Type:	COMMERCIAL
Land Value:	\$1,125,972	Tax Rate Area:	099-013	Zoning:	
Impr Value:	\$900,779	Year Assd:	2019	Census Tract:	
Other Value:		Property Tax:		Price/SqFt:	
% Improved:	44%	Delinquent Yr:			
Exempt Amt:		HO Exempt:	N		

Sale History

	Sale 1	Sale 2	Sale 3	Transfer
Document Date:	09/20/2018	11/14/2013	09/23/1999	09/20/2018
Document Number:	2018R105170	2013R142278	1999R120498	2018R105170
Document Type:	DEED	DEED		
Transfer Amount:				
Seller (Grantor):	WINERY ROW LLLP			

Property Characteristics

Bedrooms:		Fireplace:		Units:	
Baths (Full):		A/C:		Stories:	
Baths (Half):		Heating:		Quality:	
Total Rooms:		Pool:		Building Class:	
Bldg/Liv Area:	12,512	Park Type:		Condition:	
Lot Acres:	23.610	Spaces:		Site Influence:	
Lot SqFt:	1,028,451	Garage SqFt:		Timber Preserve:	
Year Built:				Ag Preserve:	
Effective Year:					



- F - R. S. Bk. 35 Pg. 31
- E - R. S. Bk. 6 Pg. 159
- D - R. S. Bk. 11 Pg. 86
- C - R. S. Bk. 11 Pg. 76
- B - R. S. Bk. 20 Pg. 86
- A - P. M. Bk. 7 Pg. 20

HIGHEST A.P.N. USED			
YEAR	PAR. #	PAR. #	PAR. #
83-84	8		
99-00	10		
01-02	11		
02-03	12		
03-04	13		

Assessor's Map Bk.051 Pg.32
County of San Joaquin, Calif.

NOTE: Assessor's Parcel Numbers Shown in Circles.
Assessor's Block Numbers Shown in Ellipses.

APPENDIX B



SUBMIT BY EMAIL

EHD LOG NUMBER:

APPLICANT: Brian Millman **BUSINESS/AGENCY:** Advanced GeoEnvironmental
ADDRESS: 837 Shaw Road **CITY/STATE/ZIP:** Stockton, CA, 95215
PHONE (1): 209 482-8556 **PHONE (2):** 209 467-1006 **FAX OR E-MAIL:** bmillman@advgeoenv.com

Please allow 10 business days from date of application submittal for the records to be available.
 Staff will contact you to arrange an appointment date and time to review the requested records.

SIGNATURE OF APPLICANT *Brian Millman* **DATE** 03 September 2019

- List up to ten addresses in the space below. Address ranges WILL NOT be accepted. Select the type(s) of files from the list below by checking the appropriate box(es). At least one file type MUST be selected. Fax to (209) 464-0138, mail to the address indicated below, or email to eh-directors@sjgov.org. Applications received after 3:00 pm will be processed the next business day.
- For assistance in identifying the nature and content of EHD records, please contact EHD at the number noted below.
- The EHD will notify the applicant if any EHD files exist. An appointment for review will be confirmed approximately ten (10) days after receipt of application. The files will be held for a maximum of five business days for review. Appointments should be scheduled accordingly.
- Any file not returned in the same condition as released will be reorganized by EHD staff at the expense of the applicant. Future file reviews by the same applicant may require a \$152 deposit prior to review.

SEPTIC AND WELL PERMITS ARE AVAILABLE FOR REVIEW ONLINE AT: <https://www.sjgov.org/department/envhealth/public-records>

Electronic Information: List Map – Description: _____

Specific Date Range of Information Requested: From _____ to _____

ENVIRONMENTAL HEALTH DEPARTMENT FILES	FILE ADDRESS (Specific addresses only, address ranges will not be accepted)			EHD USE ONLY
	Street #	Street Name	City	
<input type="checkbox"/> <u>Underground Tank (UST) Cleanup Site (LOP)</u>	1	12470	East Locke Road	<input type="checkbox"/> CONSUMER
<input type="checkbox"/> <u>Other Cleanup Site (Non-LOP)</u>				<input type="checkbox"/> DAIRY
<input type="checkbox"/> <u>Hazardous Waste</u>	2			<input type="checkbox"/> PWS
<input type="checkbox"/> <u>Tiered Permitted Facility</u>				<input type="checkbox"/> WATER QUALITY
<input type="checkbox"/> <u>Aboveground Tank</u>	3			<input type="checkbox"/> SITE MITIGATION
<input type="checkbox"/> <u>UST (Monitoring / Removal)</u>				<input type="checkbox"/> HOUSING
<input type="checkbox"/> <u>Hazardous Materials</u>	4			<input type="checkbox"/> CUPA AST / HM / HW
<input type="checkbox"/> <u>Spill / Release Response</u>				<input type="checkbox"/> CUPA UST
<input type="checkbox"/> <u>Solid Waste Facility / Vehicle</u>	5			<input type="checkbox"/> SOLID WASTE
<input type="checkbox"/> <u>Food Facility</u>				<input type="checkbox"/> ACCOUNTING
<input type="checkbox"/> <u>Pool / Spa</u>	6			
<input type="checkbox"/> <u>Dairy</u>				
<input type="checkbox"/> <u>Land Use Application Sites</u>	7			
<input type="checkbox"/> <u>Septic Pumper Truck / Yard / Chemical Toilets</u>				
<input type="checkbox"/> <u>Wastewater Treatment Plant</u>	8			
<input type="checkbox"/> <u>Housing Abatement</u>				
<input type="checkbox"/> <u>Motel/Hotel</u>	9			
<input type="checkbox"/> <u>Chicken Ranch / Dog Kennel</u>				
<input type="checkbox"/> <u>Medical Waste Facility</u>	10			
<input type="checkbox"/> <u>Tattoo/Body Piercing</u>				
<input type="checkbox"/> <u>Waste Tire</u>				
<input type="checkbox"/> <u>Complaint</u>				
<input checked="" type="checkbox"/> <u>Other (Please Specify):</u> <u>Liquid waste-Septic Permits- that may not be scanned and online.</u>				

BOXED AREA - EHD USE ONLY

Records provided by Staff-PPR Complete. Staff Name: _____ EHD 48-06

Applications Will Be Processed When Submitted Properly Completed. Be Sure To Sign The Application.

APPLICATION

(For Non-Transferable, Revocable, and Suspendable)

ENVIRONMENTAL HEALTH PERMIT

LIQUID WASTE

SEPTAGE

Application is hereby made to carry on business in the jurisdictional area of the San Joaquin Local Health District

Business Name (DBA) Cornie's Septic Tank & Inc Address P.O. Box 767 Lodi

Owner Arnest D. Rolong Address _____

Firm Partners, Addresses and Telephone Numbers _____

Business Telephone No. 368-5105 Emergency Telephone No. _____

Contractor Licence No. 328226 _____

Applicants Name (Print) Arnest D. Rolong Title prop Date 11-14-79

Please check Applicable Category (1-7) and Fill in the Required Information

1. PUMPER VEHICLE PERMIT REGISTRATION (FOR EACH VEHICLE)

For July 1, _____ June 30, 19 _____ Disposal Sites _____

Description (Make/Yr., Color) _____

Serial No. _____ CAL. License No. _____ CAL. License Renewal No. _____

Capacity _____ Gal., Weights & Measures No. _____

Equipment Parking Address _____

2. PUMPER YARD

For July 1, _____ June 30, 19 _____

No. of Vehicles Stored _____

No. of Chemical Toilets Stored _____

3. PERCOLATION TEST

R.S. or R.C.E. Name _____ R.S. or R.C.E. No. _____

Test Location _____ Test Date/Time _____

4. SANITATION PERMIT

Job Address/Location 12418 E Locke rd Lodi

Owner Calmill Address P.O. Box 528 Lodi Ca 95201

SEPTIC TANK CESSPOOL LEACHING FIELD SEEPAGE PIT PACKAGE PLANT

PERMANENT TEMPORARY NEW REPAIR OTHER

5. CHEMICAL TOILETS For July 1, - June 30, 19 _____

Type Construction _____ Disposal Site _____

No. of Units _____ Equipment Storage/Cleaning Location(s) _____

6. PACKAGE TREATMENT PLANT For July 1, - June 30, 19 _____

Operator Name _____ Where Certified _____

Plant Location _____

Plant Capacity _____ No. Units Served _____

7. LAUNDRY For July 1, - June 30, 19 _____

SIZE: Less Than 1,000 Sq. Ft., More Than 1,000 Sq. Ft.

DRY CLEANING, Chemicals Used/Amount/Mo. _____

I hereby certify that I have prepared this application and that the work will be done in accordance with San Joaquin County ordinances, state laws, and rules and regulations of the San Joaquin Local Health District.

APPLICANT'S SIGNATURE X Arnest D. Rolong

FOR DEPARTMENT USE ONLY

Fee Is Due: ANNUALLY PER UNIT PER SITE EACH January 1 & Received By January 31 July 1 & Received By July 31

	BASE	EXPLANATION	BILLING DATE	REMITTANCE DATE	\$ REMITTED	AMOUNT DUE	REMIT CHECKED AMOUNT
FEE	\$45	ch				\$45	✓
LESS PRORATION							
PLUS PENALTY							
OTHER							
OTHER							

Received by _____ Date _____ Receipt No. 03241 Permit No. 79-1008 Issuance Date 11/14/79 Mailed TAL Delivered 11-14-79

APPLICANT - RETURN ALL COPIES TO: ENVIRONMENTAL HEALTH PERMIT/SERVICES 1601 E. HAZELTON AVE., P.O. Box 2009 STOCKTON, CA 95209

TAL Finalled 11/14/79 TAL

79-1008

12418 E. Locke Rd.

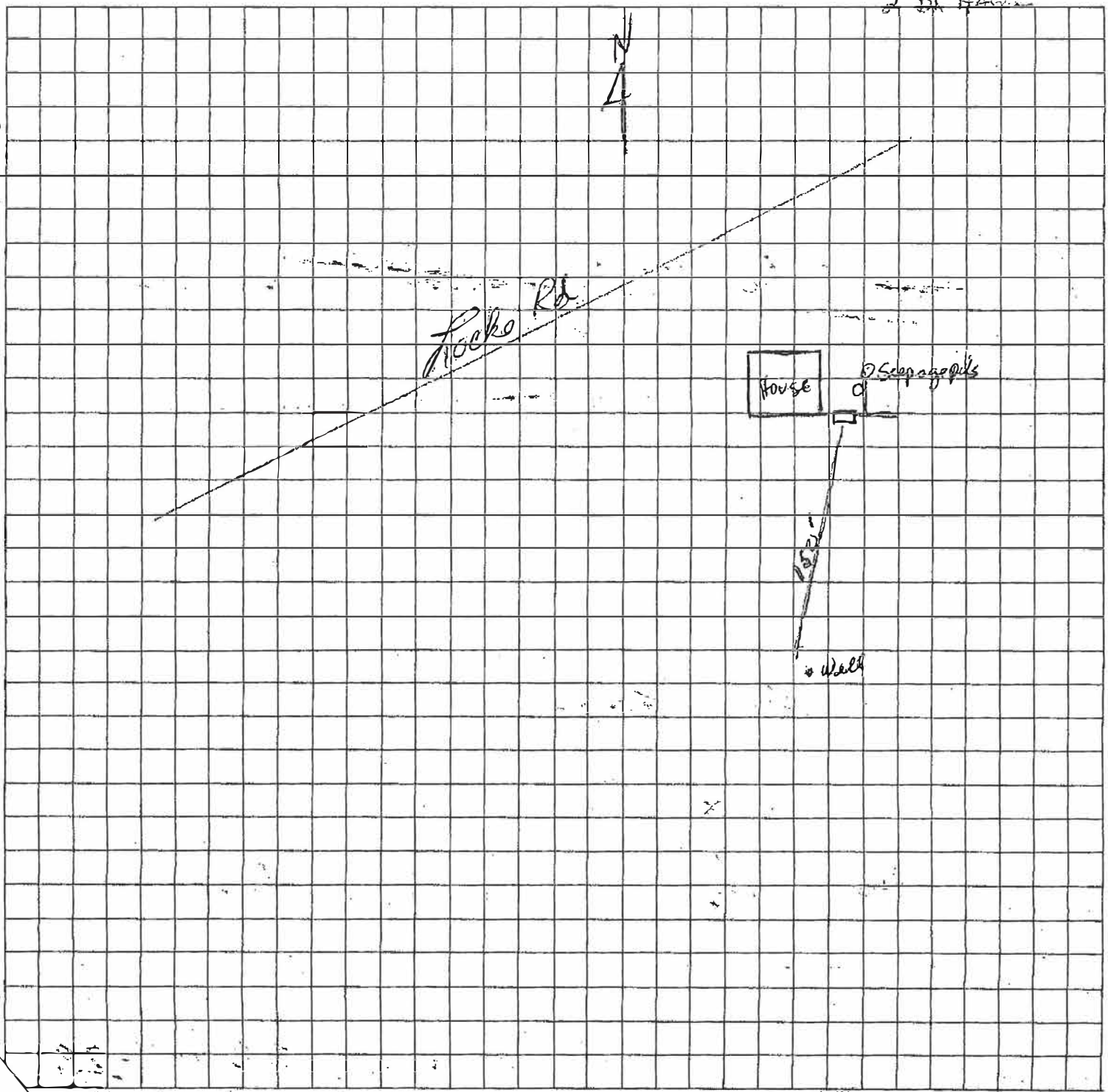
ALL APPLICANTS

PLOT PLAN
(Draw To Scale)

SCALE _____ " TO _____

1. Names of streets or roads nearest to or bounding the property.
2. Outline of the property, giving dimensions and North direction.
3. Dimensioned outlines and locations of all existing and proposed structures, including covered areas such as patios, driveways and walks.
4. Location of house sewer outlet, public sewer, sewage disposal system or proposed sewage disposal system, proposed expansion of sewage disposal system, or any other possible source of contamination.
5. Location of other wells within radius of 75 feet on the property or adjoining property.
6. Location of sewage disposal system on adjoining property or within a radius of 150 feet.

Private well
House
2 BR House



LIQUID WASTE PERMIT

SAN JOAQUIN COUNTY PUBLIC HEALTH SERVICES ENVIRONMENTAL HEALTH DIVISION
304 E. WEBER AVE., 3RD FLOOR, STOCKTON, CA 95202 (209) 468-3420

**24 HR NOTICE
REQUESTED
FOR ALL
INSPECTIONS**

NON-REFUNDABLE PERMIT EXPIRES 1 YEAR FROM DATE ISSUED

JOB ADDRESS Locketford Winery 12470 E. Locke Rd
 CITY/ZIP Locketford, CA 95237 PARCEL SIZE/APN 25 Acres 051-320-09
 OWNER NAME Copperford, LLC ADDRESS 12470 E. Locke Rd, Bldg. 100
 CITY/ZIP Locketford, CA 95237 PHONE (209) 727-9770
 CONTRACTOR Copper Enterprises, Inc. ADDRESS 12470 E. Locke Rd., Bldg. 100
 CITY/ZIP Locketford, CA 95237 PHONE (209) 727-9770
 Pumping by Septic Systems Inc.
 GEOGRAPHICAL INFORMATION: COORDINATES: X _____ Y _____ TOWNSHIP 4N RANGE 7E SECTION 36

PERC TEST(S) () HOW MANY _____ APPLICATION # _____

TYPE OF SEPTIC WORK: NEW INSTALLATION REPAIR/ADDITION ~~RESTRUCTION~~

INSTALLATION WILL SERVE: RESIDENCE COMMERCIAL OTHER _____

NUMBER OF LIVING UNITS: _____ NUMBER OF BEDROOMS: _____ NUMBER OF EMPLOYEES: _____

CHARACTER OF SOIL TO A DEPTH OF 3 FEET: _____ PLYSUMP SOIL CHARACTER: _____ WATER TABLE DEPTH _____

SEPTIC TANK/GREASE TRAP TYPE/MFG _____ CAPACITY _____ NUMBER OF COMPARTMENTS _____

PKG TREATMENT PLANT DISTANCE TO NEAREST: WELL _____ FOUNDATION _____ PROPERTY LINE _____

LIFT STATION SIZE _____ TYPE OF PUMP _____ SAND OIL SEPARATOR (ENCLOSED SYSTEM) _____

LEACHING LINE NUMBER & LENGTH OF LINES _____ INFILTRATOR CHAMBERS _____

DISTANCE TO NEAREST: WELL _____ FOUNDATION _____ PROPERTY LINE _____

FILTER BED WIDTH _____ LENGTH _____ DEPTH _____

DISTANCE TO NEAREST: WELL _____ FOUNDATION: _____ PROPERTY LINE _____

MOUNDED WIDTH _____ LENGTH _____ DEPTH _____

DISTANCE TO NEAREST: WELL _____ FOUNDATION _____ PROPERTY LINE _____

SEEPAGE PITS WIDTH _____ LENGTH _____ DEPTH _____

DISTANCE TO NEAREST: WELL _____ FOUNDATION _____ PROPERTY LINE _____

SUMPS WIDTH _____ LENGTH _____ DEPTH _____

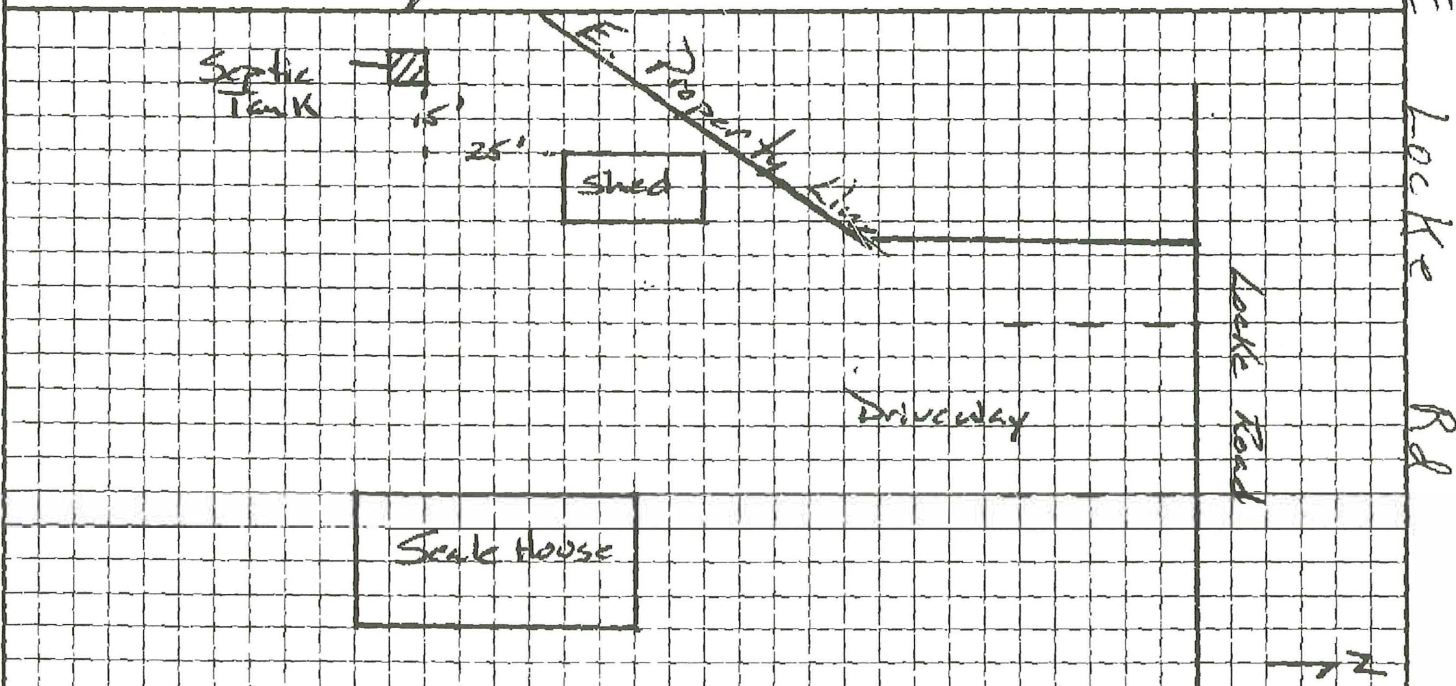
DISTANCE TO NEAREST: WELL _____ FOUNDATION _____ PROPERTY LINE _____

DISPOSAL PONDS WIDTH _____ LENGTH _____ DEPTH _____

DISTANCE TO NEAREST: WELL _____ FOUNDATION _____ PROPERTY LINE _____

I HEREBY CERTIFY THAT I HAVE PREPARED THIS APPLICATION AND THE WORK WILL BE DONE IN ACCORDANCE WITH SAN JOAQUIN COUNTY ORDINANCES, STATE LAWS, AND RULES AND REGULATIONS OF SAN JOAQUIN COUNTY.

SIGNED: Jim [Signature] TITLE: Partner DATE: 8/15/00



12470 E Locke Rd

Date _____ Contractor _____

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5, Business and Professions Code; Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he is exempt herefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars (\$500):

I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Profession Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

I am exempt under Sec. _____, B & P.C. for this reason _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof (Sec. 3800, Lab. C).

Exp. Date _____ Company _____

Certified copy is hereby furnished

Certified copy is filed with the County Building Inspection Division

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed, if the permit is for one hundred dollars (\$100) or less)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

Date _____ Applicant _____

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C).

Lender's Name _____

Lender's Address _____

DIVISION OF INDUSTRIAL SAFETY PERMIT CERTIFICATION:

I hereby certify that no excavation five (5) or more feet in depth into which a person is required to descend, will be made in connection with work authorized by the permit, and that no building structure, scaffolding, falsework, or demolition or dismantling thereof, will be more than thirty-six (36) feet high. (Chap. 3.2, Grp 2, Art 2, Sec 341, Title 8, C.A.C.).

As owner-builder, I will not employ anyone to do work which would require a permit from the Division of Industrial Safety, as noted above, unless such person has a permit to do such work from the division.

Division of Industrial Permit No. _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to well construction and/or sewage system construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Date _____ Applicant _____

✓ cd

FOR OFFICE USE:

SAN JOAQUIN LOCAL HEALTH DISTRICT
 1601 E. Hazelton Ave., Stockton, Calif.
 Telephone: (209) 466-6781

APPLICATION FOR WELL CONSTRUCTION OR PUMP PERMIT Permit No. 73-487 P
 THIS PERMIT EXPIRES 1 YEAR FROM DATE ISSUED Date Issued 8-15-73
 (Complete In Triplicate)

Application is hereby made to the San Joaquin Local Health District for a permit to construct and/or install the work herein described. This application is made in compliance with San Joaquin County Ordinance No. 1862 and the Rules and Regulations of the San Joaquin Local Health District.

JOB ADDRESS/LOCATION 12470 E Locke Road Behind Garage 50 HP Pagnora (See map) CENSUS TRACT 547
 Owner's Name La Reford Winery Phone 727-5541
 Address 12470 E. Locke Rd City _____
 Contractor's Name Loehrig Home & Supplies License # 121760 Phone 727-5548

TYPE OF WORK (Check): NEW WELL DEEPEN RECONDITION DESTRUCTION
 PUMP INSTALLATION PUMP REPAIR PUMP REPLACEMENT
 Other

DISTANCE TO NEAREST: SEPTIC TANK _____ SEWER LINES _____ PIT PRIVY _____
 SEWAGE DISPOSAL FIELD _____ CESSPOOL/SEEPAGE PIT _____ OTHER _____

on Existing Well

INTENDED USE	TYPE OF WELL	CONSTRUCTION SPECIFICATIONS
Industrial	Cable Tool	Dia. of Well Excavation _____
Domestic/private	Drilled	Dia. of Well Casing _____
Domestic/public	Driven	Gauge of Casing _____
Irrigation	Gravel Pack	Depth of Grout Seal _____
Other	Rotary	Type of Grout _____
	Other	Other Information _____

PUMP INSTALLATION: Contractor Loehrig Home & Supplies
 Type of Pump Water Pipe Turbine H.P. 50 HP

PUMP REPLACEMENT: State Work Done

PUMP REPAIR: State Work Done Raised pump 10' to replace head shaft & repair water pipe system and bring pump seal up to code.

DESTRUCTION OF WELL: Well Diameter _____ Approximate Depth _____
 Describe Material and Procedure _____

I hereby agree to comply with all laws and regulations of the San Joaquin Local Health District and the State of California pertaining to or regulating well construction. Within FIFTEEN DAYS after completion of my work on a new well, I will furnish the San Joaquin Local Health District a WELL DRILLERS REPORT of the well and notify them before putting the well in use. The above information is true to the best of my knowledge and belief.

SIGNED San R. Loehrig TITLE owner
 (DRAW PLOT PLAN ON REVERSE SIDE)

FOR DEPARTMENT USE ONLY

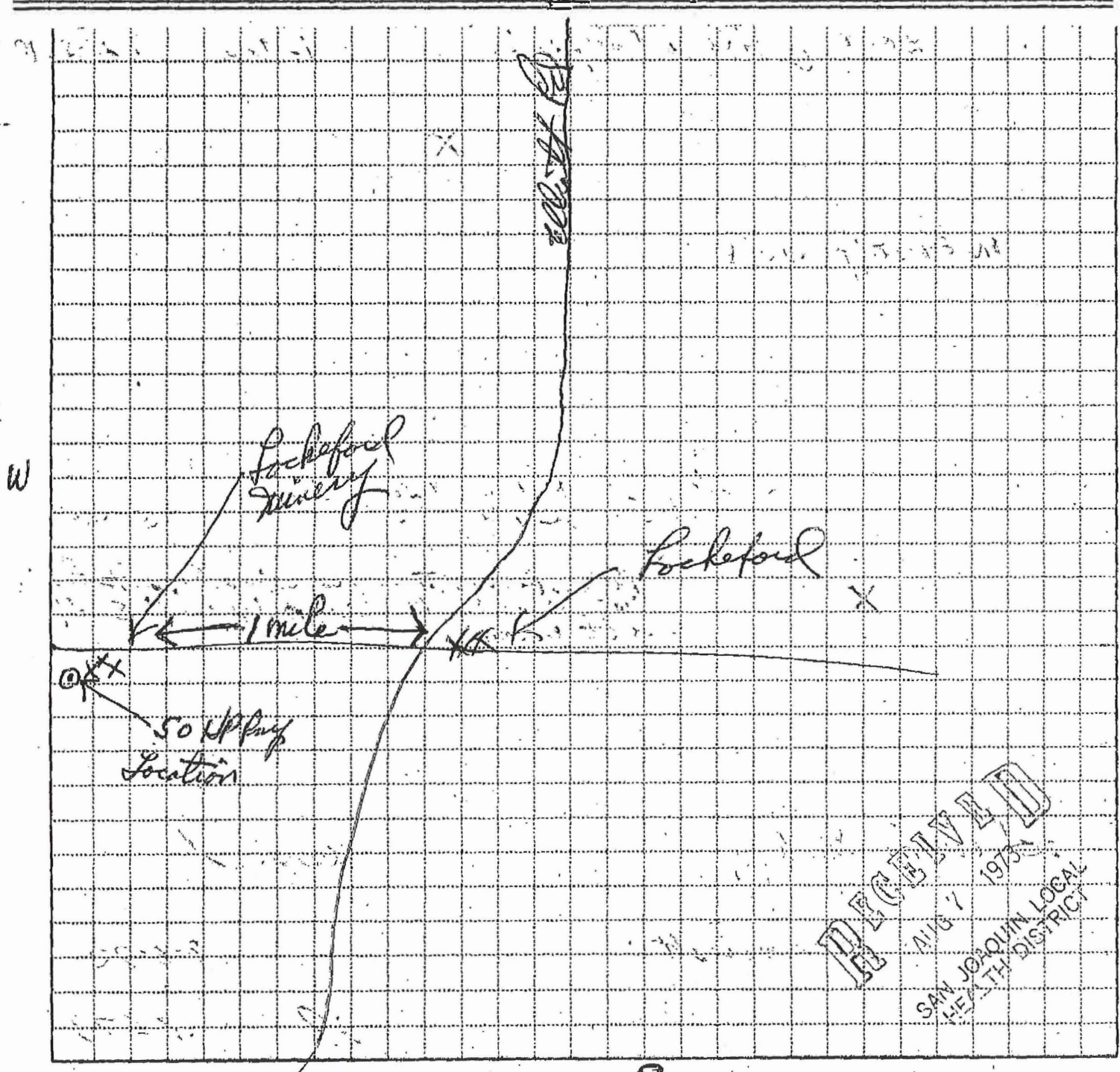
PHASE I APPLICATION ACCEPTED BY Rehmann DATE 8-6-73

PHASE II GROUT INSPECTION INSPECTION BY _____ DATE _____
 PHASE III/FINAL INSPECTION INSPECTION BY JS DATE 8-6-73

12470 E. Locke Rd.

PLOT PLAN
(DRAW TO SCALE)
SCALE _____ " TO _____

1. Names of streets or roads nearest to or bounding the property.
2. Outline of the property, giving dimensions and North direction.
3. Dimensioned outlines and locations of all existing and proposed structures, including covered areas such as patios, driveways and walks.
4. Location of house sewer outlet, public sewer, sewage disposal system or proposed sewage disposal system, proposed expansion of sewage disposal system, or any other possible source of contamination.
5. Location of other wells within radius of 75 feet on the property or adjoining property.
6. Location of sewage disposal system on adjoining property or within a radius of 100 feet.



Applications Will Be Processed When Submitted Properly Completed. Be Sure To Sign The Application.

FOR OFFICE USE:

APPLICATION

(For Non-Transferable, Revocable, Suspensible)

ENVIRONMENTAL HEALTH PERMIT

WATER QUALITY

RECEIVED

PUMP & WELL

NOV 19 1980

(COMPLETE IN TRIPLICATE)

Application is hereby made to the San Joaquin Local Health District for a permit to construct and/or install all the work herein described. This application is made in compliance with San Joaquin County Ordinance No. 1862 and the rules and regulations of the San Joaquin Local Health District.

Exact Site Address 12470 E. LOCKE RD. City/Town SAN JOAQUIN LOCAL HEALTH DISTRICT

Owner's Name U.S. GASOLINE, INC. Phone _____

Address P.O. DRAWER N City LOCKEFORD

Contractor's Name GOEBRING PUMP License # 309031 Business Phone 727-5548

Contractor's Address PO. Box 113, LOCKEFORD Emergency Phone 727

Is Certificate of Workman's Compensation Insurance on File With SJLHD? Yes _____ No _____

TYPE OF WORK (CHECK): NEW WELL DEEPEN RECONDITION DESTRUCTION
WELL CHLORINATION WELL ABANDONMENT OTHER PUMP INSTALLATION PUMP REPAIR
REPLACEMENT 2 pumps

DISTANCE TO NEAREST: Septic Tank _____ Sewer Lines _____ Pit Privy _____
Sewage Disposal Field _____ Cesspool/Seepage Pit _____ Other _____
Property Line _____ Private Domestic Well _____ Public Domestic Well _____

INTENDED USE

- INDUSTRIAL
- DOMESTIC/PRIVATE
- DOMESTIC/PUBLIC
- IRRIGATION
- CATHODIC PROTECTION
- DISPOSAL
- GEOPHYSICAL

TYPE OF WELL

- CABLE TOOL
 - DRILLED
 - DRIVEN
 - GRAVEL PACK
 - ROTARY
 - OTHER
- Dia. of Well Excavation _____
Dia. of Well Casing _____
Gauge of Casing _____
Depth of Grout Seal _____
Type of Grout _____
Other Information _____
Surface Seal Installed By: _____

PUMP INSTALLATION: Contractor _____ Type of Pump _____ H.P. _____

PUMP REPLACEMENT: State Work Done Pump #1 - 15hp turbine - new bowls + 40 ft. extension

PUMP REPAIR: State Work Done Pump #2 - 30hp turbine - new bowls + 20 ft. extension

DESTRUCTION OF WELL: Well Diameter _____ Approximate Depth _____
Describe Material and Procedure: _____

I hereby certify that I have prepared this application and that the work will be done in accordance with San Joaquin County ordinances, state laws, and rules and regulations of the San Joaquin Local Health District.

Home owner or licensed agent's signature certifies the following: "I certify that in the performance of the work for which this permit is issued, I shall not employ any person in such manner as to become subject to workman's compensation laws of California."

Contractor's hiring or sub-contracting signature certifies the following: "I certify that in the performance of the work for which this permit is issued, I shall employ persons subject to workman's compensation laws of California."

I will call for a Grout Inspection prior to grouting and a final inspection.

Signed X [Signature] Title: [Signature] Date: 11/17/80
(Draw Plot Plan on Reverse Side)

FOR DEPARTMENT USE ONLY

PHASE I

Application Accepted By [Signature] Date 11-19-80
Additional Comments: Well # 1 operators use for office could be dual well?

Inspection By Mia Date _____ Phase II Grout Inspection
Inspection By WR Drady Date 11/24/80 Phase III Final Inspection

Fee Is Due: ANNUALLY PER UNIT PER SITE EACH January 1 & Received By January 31 July 1 & Received By July 31

	BASE	EXPLANATION	BILLING DATE	REMITTANCE DATE	\$ REMITTED	AMOUNT DUE	REMIT CHECKED AMOUNT
FEE	\$45.00	chg				\$45.00	
LESS PRORATION							
PLUS PENALTY							
OTHER							
OTHER							

Received by _____ Date _____ Receipt No. _____ Permit No. 113260
08559 Issuance Date 11/19/80 Mailed _____ Delivered _____

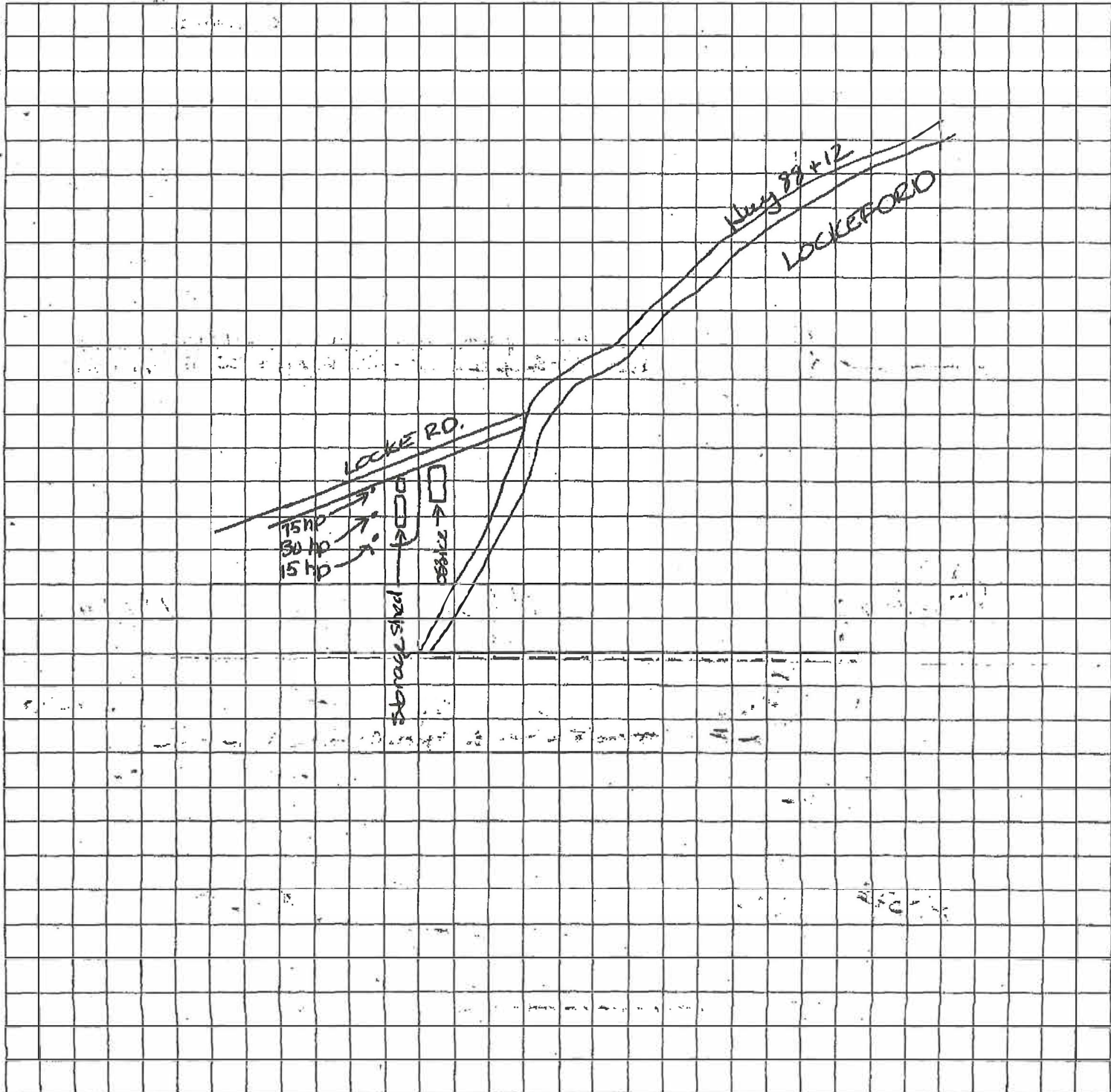
80-979

12470 E. Locke

PLOT PLAN
(Draw To Scale)

SCALE _____ " TO _____'

1. Names of streets or roads nearest to or bounding the property.
2. Outline of the property, giving dimensions and North direction.
3. Dimensioned outlines and locations of all existing and proposed structures, including covered areas such as patios, driveways and walks.
4. Location of house sewer outlet, public sewer, sewage disposal system or proposed sewage disposal system, proposed expansion of sewage disposal system, or any other possible source of contamination.
5. Location of other wells within radius of 75 feet on the property or adjoining property.
6. Location of sewage disposal system on adjoining property or within a radius of 150 feet.



020638

APPLICATION FOR WELL/PUMP PERMIT
SAN JOAQUIN COUNTY PUBLIC HEALTH SERVICES
ENVIRONMENTAL HEALTH DIVISION
P.O. BOX 388, 304 EAST WEBER AVENUE, STOCKTON, CA 95201-388
(209) 468-3420

NON-REFUNDABLE PERMIT EXPIRES 1 YEAR FROM DATE ISSUED

(Complete in Triplicate)

APPLICATION IS HEREBY MADE TO THE SAN JOAQUIN COUNTY FOR A PERMIT TO CONSTRUCT AND/OR INSTALL THE WORK DESCRIBED. THIS APPLICATION IS MADE IN COMPLIANCE WITH SAN JOAQUIN COUNTY DEVELOPMENT TITLE, CHAPTER 9-1115.3 AND THE STANDARDS OF SAN JOAQUIN COUNTY PUBLIC HEALTH SERVICES, ENVIRONMENTAL HEALTH DIVISION.

JOB ADDRESS/DR APN# 12470 Locke Rd. CITY Lockeford Ca. PARCEL SIZE/APN# _____
OWNER'S NAME Byrne, Val ADDRESS 12470 Locke Rd. PHONE # _____
CONTRACTOR Lockring Pump & Dring ADDRESS P.O. Box 113 Lockeford Ca 95203 PHONE # 727-5548
SUB CONTRACTOR _____ ADDRESS _____ LIC# _____ PHONE # _____

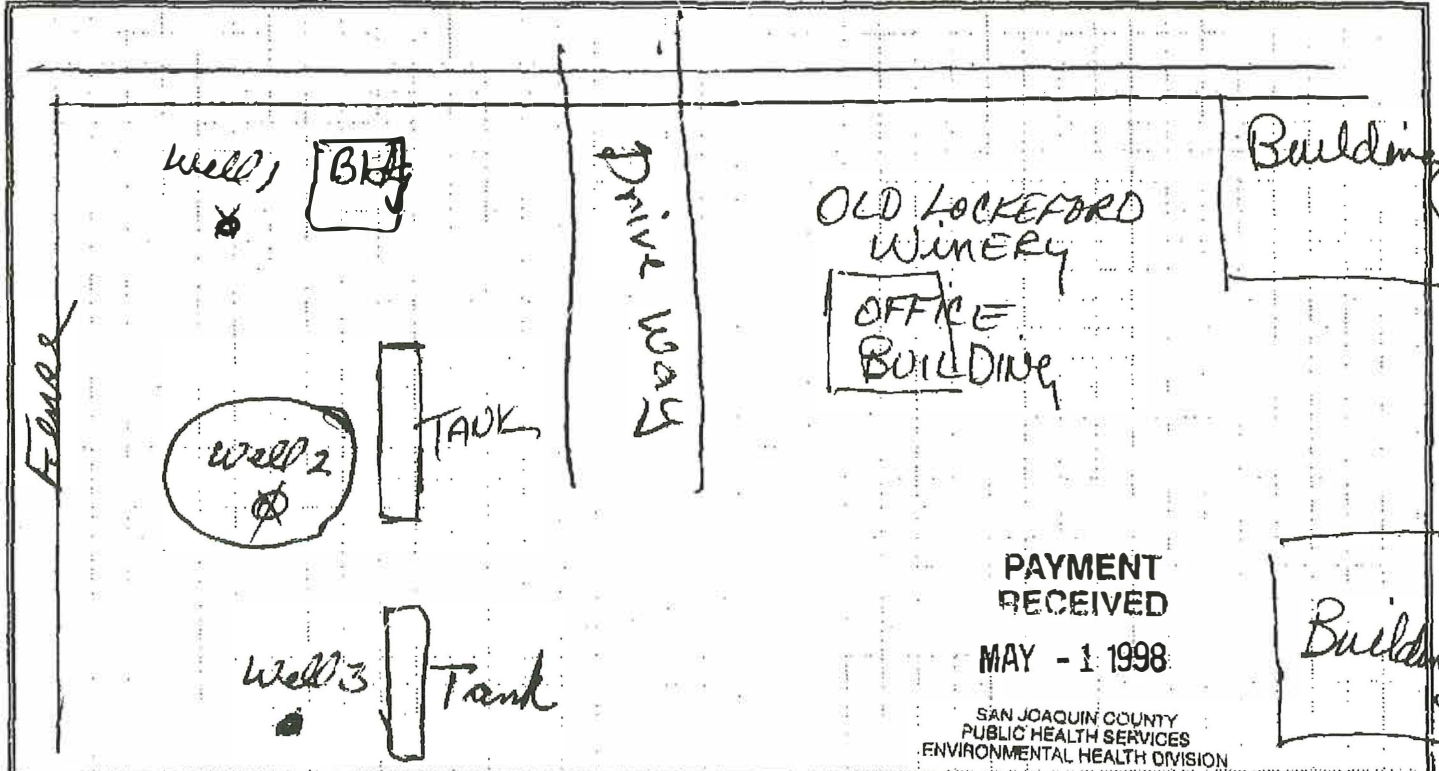
TYPE OF WELL/PUMP NEW WELL REPLACEMENT WELL MONITORING WELL # _____ OTHER _____
 INSTALLATION WELL SYSTEM REPAIR CROSS-CONNECT REPAIR VAPOR EXTRACTION WELL # _____
 New Repair: H.P. 5 DEPTH PUMP SET 168 FT. FIRST WATER LEVEL _____
 OUT-OF-SERVICE WELL GEOPHYSICAL WELL # _____ SOIL BORING _____
 DESTRUCTION: Well # 2

INTENDED USE INDUSTRIAL OPEN BOTTOM DIA. OF WELL EXCAVATION _____ DIA. OF CONDUCTOR CASING _____
 DOMESTIC/Private GRAVEL PACK/SIZE _____ TYPE OF CASING/STEEL/PVC _____ DIA. OF WELL CASING _____
 PUBLIC/MUNICIPAL DRIVEN _____ DEPTH OF GROUT SEAL _____ SPECIFICATION _____
 IRRIGATION/AG OTHER _____ GROUT SEAL INSTALLED BY _____ GROUT BRAND NAME _____
 MONITORING _____ GROUT SEAL PUMPED: Yes No CONCRETE PEDESTAL BY DRILLER: Yes No
APPROX. DEPTH _____ LOCKING CHECKER BOX/TWO HPE _____
PROPOSED CONSTRUCTION/DRILLING METHOD: MUD ROTARY _____ AIR ROTARY _____ AUGER _____ CABLE _____ OTHER _____

I HEREBY CERTIFY THAT I HAVE PREPARED THIS APPLICATION AND THAT THE WORK WILL BE DONE IN ACCORDANCE WITH SAN JOAQUIN COUNTY ORDINANCES, STATE LAWS, AND RULES AND REGULATIONS OF THE SAN JOAQUIN COUNTY. HOME OWNER OR LICENSED AGENT'S SIGNATURE CERTIFIES THE FOLLOWING: "I CERTIFY THAT IN THE PERFORMANCE OF THE WORK FOR WHICH THIS PERMIT IS ISSUED, I SHALL NOT EMPLOY PERSONS SUBJECT TO WORKMAN'S COMPENSATION LAWS OF CALIFORNIA." CONTRACTOR'S HIRING OR SUB-CONTRACTING SIGNATURE CERTIFIES THE FOLLOWING: "I CERTIFY THAT IN THE PERFORMANCE OF THE WORK FOR WHICH THIS PERMIT IS ISSUED, I SHALL EMPLOY PERSONS SUBJECT TO WORKMAN'S COMPENSATION LAWS OF CALIFORNIA." THE APPLICANT MUST CALL 24 HOURS IN ADVANCE FOR ALL REQUIRED INSPECTIONS AT (209) 468-3420. COMPLETE DRAWING AT LOWER AREA PROVIDED.

Signed X Jyle W Lockring Title Contractor Date 4-27-98

- 1. NAMES OF STREETS OR ROADS NEAREST TO OR BOUNDING THE PROPERTY.
- 2. OUTLINE OF THE PROPERTY, GIVING DIMENSIONS AND NORTH DIRECTION.
- 3. DIMENSIONED OUTLINES AND LOCATION OF ALL EXISTING AND PROPOSED STRUCTURES, INCLUDING COVERED AREAS SUCH AS PATIOS, DRIVEWAYS, AND WALKS.
- 4. LOCATION OF HOUSE SEWAGE DISPOSAL SYSTEM OR PROPOSED EXPANSION OF SEWAGE DISPOSAL SYSTEMS.
- 5. LOCATION OF WELLS WITHIN RADIUS OF ONE HUNDRED FIFTY FT. ON THE PROPERTY OR ADJOINING PROPERTY.



12470 Locke Rd.

TYPE OF WELL/PUMP: Sub (TYPE OF PUMP)

NEW WELL REPLACEMENT WELL MONITORING WELL # _____
 INSTALLATION WELL SYSTEM REPAIR CROSS-CONNECT REPAIR
 New Recall H.P. 5 DEPTH PUMP SET 168 FT. VAPOR EXTRACTION WELL # _____
 OUT-OF-SERVICE WELL GEOPHYSICAL WELL # _____ FIRST WATER LEVEL _____
 SOIL BOWNS _____

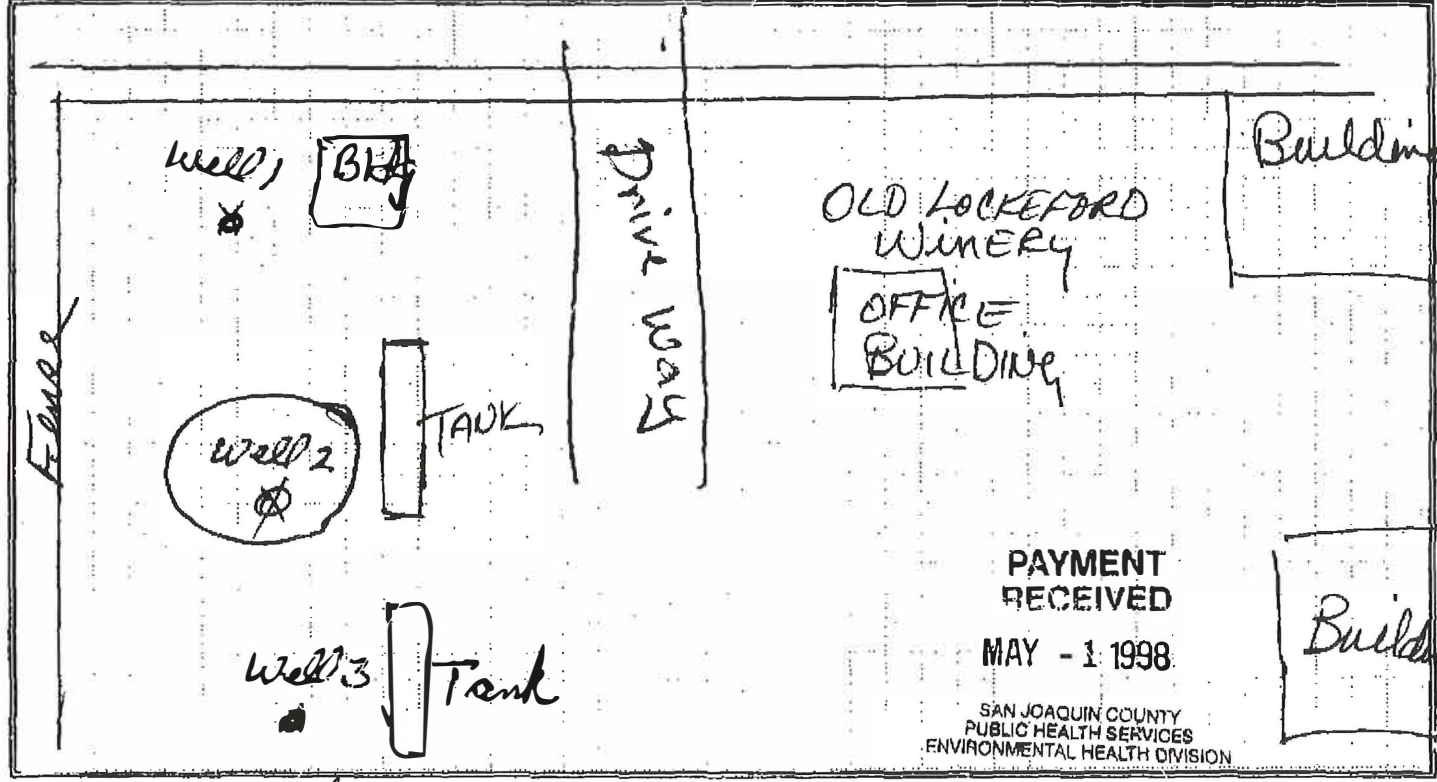
DESTRUCTION: Well # 2

INTENDED USE
 INDUSTRIAL OPEN BOTTOM DIA. OF WELL EXCAVATION _____ DIA. OF CONDUCTOR CASING _____
 DOMESTIC/Private GRAVEL PACK/SIZE _____ TYPE OF CASING/TEEL/PVC _____ DIA. OF WELL CASING _____
 PUBLIC/MUNICIPAL DRIVEN DEPTH OF GROUT SEAL _____ SPECIFICATION _____
 IRRIGATION/AG OTHER GROUT SEAL INSTALLED BY _____ GROUT BRAND NAME _____
 MONITORING GROUT SEAL PUMPED: Yes No CONCRETE PEDESTAL BY DRILLER: Yes No
 APPROX. DEPTH _____ LOCKING CHECKER BOX/STOVE PIPE _____
 PROPOSED CONSTRUCTION/DRILLING METHOD: MUD ROTARY _____ AIR ROTARY _____ AUGER _____ CABLE _____ OTHER _____

I HEREBY CERTIFY THAT I HAVE PREPARED THIS APPLICATION AND THAT THE WORK WILL BE DONE IN ACCORDANCE WITH SAN JOAQUIN COUNTY ORDINANCES, STATE LAWS, AND RULES AND REGULATIONS OF THE SAN JOAQUIN COUNTY. HOME OWNER OR LICENSED AGENT'S SIGNATURE CERTIFIES THE FOLLOWING: "I CERTIFY THAT IN THE PERFORMANCE OF THE WORK FOR WHICH THIS PERMIT IS ISSUED, I SHALL NOT EMPLOY PERSONS SUBJECT TO WORKMAN'S COMPENSATION LAWS OF CALIFORNIA." CONTRACTOR'S HIRING OR SUB-CONTRACTING SIGNATURE CERTIFIES THE FOLLOWING: "I CERTIFY THAT IN THE PERFORMANCE OF THE WORK FOR WHICH THIS PERMIT IS ISSUED, I SHALL EMPLOY PERSONS SUBJECT TO WORKMAN'S COMPENSATION LAWS OF CALIFORNIA." THE APPLICANT MUST CALL 24 HOURS IN ADVANCE FOR ALL REQUIRED INSPECTIONS AT (209) 488-3428. COMPLETE DRAWING AT LOWER AREA PROVIDED.

Signed by: Jyle W. Becking Title: Conte Date: 4-27-98

- PLOT PLAN (Draw to Scale _____ to _____)
1. NAMES OF STREETS OR ROADS NEAREST TO OR BOUNDING THE PROPERTY.
 2. OUTLINE OF THE PROPERTY, GIVING DIMENSIONS AND NORTH DIRECTION.
 3. DIMENSIONED OUTLINES AND LOCATION OF ALL EXISTING AND PROPOSED STRUCTURES, INCLUDING COVERED AREAS SUCH AS PATIOS, DRIVEWAYS, AND WALKS.
 4. LOCATION OF HOUSE SEWAGE DISPOSAL SYSTEM OR PROPOSED EXPANSION OF SEWAGE DISPOSAL SYSTEMS.
 5. LOCATION OF WELLS WITHIN RADIUS OF ONE HUNDRED FIFTY FT. ON THE PROPERTY OR ADJOINING PROPERTY.



DEPARTMENT USE ONLY

Application Accepted By: Ted Morgan Date: 4-30-98 Area: 212

Grout Inspection By: _____ Date: _____ Pump Inspection By: Ted Morgan Date: 5-5-98

Destruction Inspection By: _____ Date: _____

Comments: _____

ACCOUNTING ONLY:		AID#	FAC#				
FE CODE#	FEE INFO	AMOUNT REMITTED	CHECK# CASH	RECEIVED BY	DATE	PERMIT/SERVICE REQUEST NUMBER	INVOICE
4380	050	50	*8485	LB	5/1/98	SRD015522	

APPLICATION FOR WELL/PUMP PERMIT
SAN JOAQUIN COUNTY PUBLIC HEALTH SERVICES
ENVIRONMENTAL HEALTH DIVISION
304 EAST WEBER AVENUE, STOCKTON, CA 95202
(209) 468-3420

PUMP

22.70 acres

051-320-09

NON-REFUNDABLE PERMIT EXPIRES 1 YEAR FROM DATE ISSUED

(Complete in Triplicate)

APPLICATION IS HEREBY MADE TO THE SAN JOAQUIN COUNTY FOR A PERMIT TO CONSTRUCT AND/OR INSTALL THE WORK DESCRIBED. THIS APPLICATION IS MADE IN COMPLIANCE WITH SAN JOAQUIN COUNTY DEVELOPMENT TITLE, CHAPTER 9-1115.3 AND THE STANDARDS OF SAN JOAQUIN COUNTY PUBLIC HEALTH SERVICES, ENVIRONMENTAL HEALTH DIVISION.

JOB ADDRESS/OR APN# 12470 E Locke Rd CITY Lockeford PARCEL SIZE/AFN# _____
 OWNER'S NAME Copperford LLC ADDRESS 12470 E Locke Rd PHONE # 727-9770
 CONTRACTOR Hooking Pump ADDRESS P.O. Box 113 UC# 309031 PHONE # 727-5548
 SUB CONTRACTOR _____ ADDRESS Lockeford UC# _____ PHONE # _____

TYPE OF WELL/PUMP: NEW WELL REPLACEMENT WELL MONITORING WELL # _____ OTHER _____
 INSTALLATION WELL SYSTEM REPAIR CROSS-CONNECT REPAIR VAPOR EXTRACTION WELL # _____
 New Repair H.P. _____ DEPTH PUMP SET _____ FT. FIRST WATER LEVEL PAYMENT RECEIVED
 (TYPE OF PUMP) OUT-OF-SERVICE WELL GEOPHYSICAL WELL # _____ SOIL BORING _____

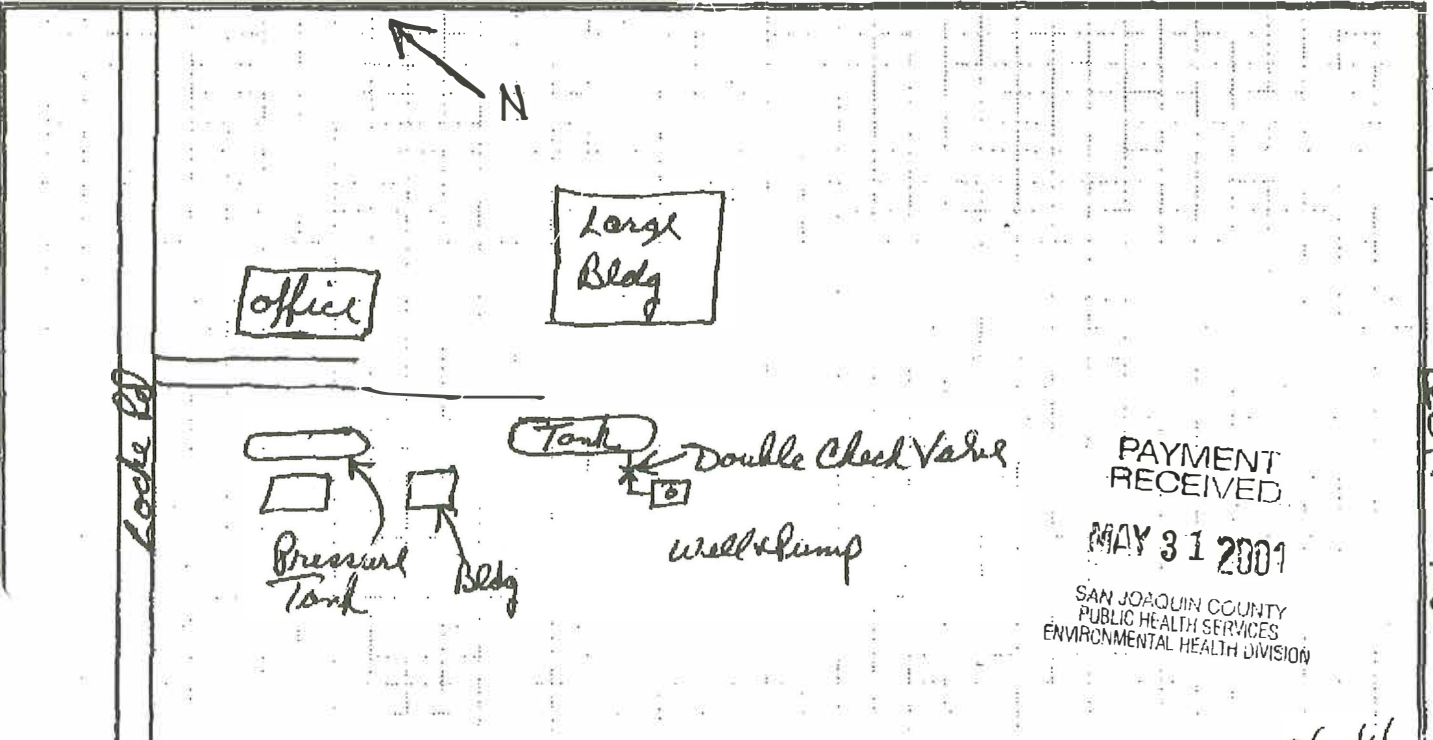
REMARKS: Well Cross Connect MAY 31 2001

INTENDED USE	TYPE OF WELL	CONSTRUCTION SPECIFICATIONS	APPROX. DEPTH
<input type="checkbox"/> INDUSTRIAL	<input type="checkbox"/> OPEN BOTTOM	DIA. OF WELL EXCAVATION _____	LOCKING CHESTER BOX/STOVE PIPE _____
<input type="checkbox"/> DOMESTIC/Private	<input type="checkbox"/> GRAY PACK/SIZE _____	TYPE OF CASING/STEEL/PVC _____	PROPOSED CONSTR. <input type="checkbox"/> MUD ROTARY <input type="checkbox"/> AIR ROTARY <input type="checkbox"/> AUGER <input type="checkbox"/> CABLE <input type="checkbox"/> OTHER _____
<input type="checkbox"/> PUBLIC/MUNICIPAL	<input type="checkbox"/> OTHER _____	DEPTH OF GROUT SEAL _____	
<input type="checkbox"/> IRRIGATION/AG		GROUT SEAL INSTALLED BY _____	
<input type="checkbox"/> MONITORING		GROUT SEAL PUMPED: <input type="checkbox"/> Yes <input type="checkbox"/> No	

I HEREBY CERTIFY THAT I HAVE PREPARED THIS APPLICATION AND THAT THE WORK WILL BE DONE IN ACCORDANCE WITH SAN JOAQUIN COUNTY ORDINANCES, STATE LAWS, AND RULES AND REGULATIONS OF THE SAN JOAQUIN COUNTY. HOME OWNER OR LICENSED AGENT'S SIGNATURE CERTIFIES THE FOLLOWING: "I CERTIFY THAT IN THE PERFORMANCE OF THE WORK FOR WHICH THIS PERMIT IS ISSUED, I SHALL NOT EMPLOY PERSONS SUBJECT TO WORKMAN'S COMPENSATION LAWS OF CALIFORNIA." CONTRACTOR'S HIRING OR SUB-CONTRACTING SIGNATURE CERTIFIES THE FOLLOWING: "I CERTIFY THAT IN THE PERFORMANCE OF THE WORK FOR WHICH THIS PERMIT IS ISSUED, I SHALL EMPLOY PERSONS SUBJECT TO WORKMAN'S COMPENSATION LAWS OF CALIFORNIA." THE APPLICANT MUST CALL 24 HOURS IN ADVANCE FOR ALL REQUIRED INSPECTIONS AT (209) 468-3423. COMPLETE DRAWING AT LOWER AREA PROVIDED.

Signed Ron Hooking Title V. Pres Date 4-2-01

1. NAMES OF STREETS OR ROADS NEAREST TO OR BOUNDING THE PROPERTY.
 2. OUTLINE OF THE PROPERTY, GROUND DIMENSIONS AND NORTH DIRECTION.
 3. DIMENSIONED OUTLINES AND LOCATION OF ALL EXISTING AND PROPOSED STRUCTURES, INCLUDING COVERED AREAS SUCH AS PATIOS, DRIVEWAYS, AND WALKS.
 4. LOCATION OF HOUSE SEWAGE DISPOSAL SYSTEM OR PROPOSED EXPANSION OF SEWAGE DISPOSAL SYSTEMS.
 5. LOCATION OF WELLS WITHIN RADIUS OF ONE HUNDRED FIFTY FT. ON THE PROPERTY OR ADJOINING PROPERTY.



PAYMENT RECEIVED
MAY 31 2001
 SAN JOAQUIN COUNTY
 PUBLIC HEALTH SERVICES
 ENVIRONMENTAL HEALTH DIVISION

12470 E Locke Rd

GEOGRAPHICAL INFORMATION: COORDINATES X Y TOWNSHIP 4N RANGE 7E SECTION 36

TYPE OF WELL: NEW WELL REPLACEMENT WELL MONITORING WELL # OTHER

INSTALLATION: WELL SYSTEM REPAIR CROSS-CONNECT REPAIR VAPOR EXTRACTION WELL # PAYMENT RECEIVED

TYPE OF PUMP: NEW REPAIR H.P. 30 DEPTH PUMP SET 158 FT. FIRST WATER LEVEL

OUT-OF-SERVICE WELL GEOTECHNICAL # SOIL BORING DESTRUCTION #

INTENDED USE INDUSTRIAL TYPE OF WELL OPEN BOTTOM CONSTRUCTION SPECIFICATION

DOMESTIC PRIVATE GRAVEL PACK/SIZE WELL EXCAVATION DIA CONDUCTOR CASING DIA

PUBLIC/MUNICIPAL DRIVEN WELL CASING TYPE WELL CASING DIA

IRRIGATION/AG OTHER GROUT BRAND NAME

MONITORING GROUT SEAL PUMPED: YES NO

CHRISTY BOX STOVE PIPE CONCRETE PEDESTAL BY DRILLER: YES NO

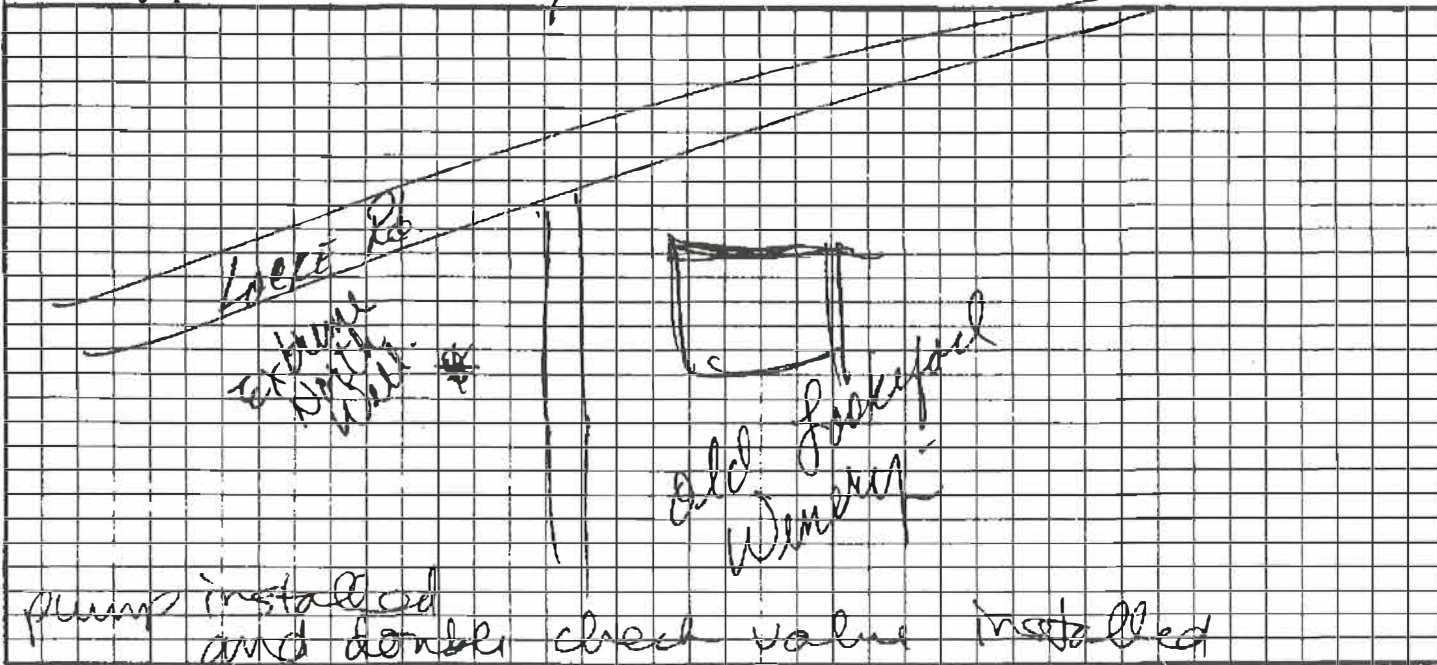
APPROXIMATE WELL DEPTH

PROPOSED CONSTRUCTION/DRILLING METHOD: MUD ROTARY AIR ROTARY AUGER CABLE OTHER

I HEREBY CERTIFY THAT I HAVE PREPARED THIS APPLICATION AND THAT THE WORK WILL BE DONE IN ACCORDANCE WITH SAN JOAQUIN COUNTY ORDINANCES, STATE LAWS, AND RULES AND REGULATIONS. I ALSO CERTIFY THAT MY C-57 LICENSE IS CURRENT AND ACTIVE WITH THE CALIFORNIA CONTRACTORS STATE LICENSE BOARD AND THAT I AM IN COMPLIANCE WITH ALL WORKMAN'S COMPENSATION LAWS.

MINIMUM 24 HOUR ADVANCE NOTICE REQUIRED FOR INSPECTIONS

SIGNED Pyle W. Paul TITLE Contr. DATE 6-04-01



DEPARTMENT USE ONLY

Application Accepted By Ted Norwood Date 6-4-01 Area 212 EMPID# 0644

Grout Inspection By Date Pump Inspected By Ted Norwood Date 6/2/01

Destruction Inspection By Date

COMMENTS:

PE CODES	SC INFO	AMOUNT REMITTED	CHECK# CASH	RECEIVED BY	DATE	PERMIT/SERVICE REQUEST #	INVOICE #	WELL ID#
4377	056	50 ⁰⁰	50	CA	6/4/01	SR0026344		22808
		# 10636						

JOB ADDRESS: _____ PERMIT #: _____

LICENSED CONTRACTORS DECLARATION

I hereby affirm that I am licensed under the provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License # _____ Exp.: Date _____

Date _____ Contractor _____

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5, Business and Professions Code; Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he is exempt herefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars (\$500):

I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Profession Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

I am exempt under Sec. _____, B & P.C. for this reason _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof (Sec. 3800, Lab. C).

Exp. Date _____ Company _____

- Certified copy is hereby furnished
- Certified copy is filed with the County Building Inspection Division

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed, if the permit is for one hundred dollars (\$100) or less)
I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

Date _____ Applicant _____

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C).

Lender's Name _____

Lender's Address _____

DIVISION OF INDUSTRIAL SAFETY PERMIT CERTIFICATION:

I hereby certify that no excavation five (5) or more feet in depth into which a person is required to descend, will be made in connection with work authorized by the permit, and that no building structure, scaffolding, falsework, or demolition or dismantling thereof, will be more than thirty-six (36) feet high. (Chap. 3.2, Grp 2, Art 2, Sec 341, Title 8, C.A.C.).

As owner-builder, I will not employ anyone to do work which would require a permit from the Division of Industrial Safety, as noted above, unless such

LICENSE C-57 C-61 D-09 Other _____ NUMBER _____ EXPIRATION DATE _____

GEOGRAPHICAL INFORMATION: Coordinates X _____ Y _____ Township _____ Range _____ Section _____

INTENDED USE Domestic/Private Irrigation/Agricultural Industrial Water Quality Monitoring Soil Sampling/Characterization
 Public Water System
 If different from Owner: _____ Water System Name _____ Contact Name or Phone Number _____

TYPE OF WORK New Well Replacement Well Well Alteration/Modification Other _____
 Monitoring Well(s) _____ # of wells Soil Boring(s) _____ # of borings Geotechnical _____ # of borings
 Out-Of-Service Well Out-Of-Service Well Renewal Cross-Connection Repair
 New Pump Pump Replacement Pump Repair *Holes in pipe*

WELL CONSTRUCTION
 Drilling Method Mud Rotary Air Rotary Auger Cable Tool Push Point Other _____
 Proposed Well Depth _____ ft Excavation _____ in diameter Open Bottom Gravel Pack / Gravel Size _____ in diameter
 Conductor Casing _____ in diameter / Conductor Casing Depth _____ ft
 Well Casing Diameter _____ in Thickness/Gauge/ASTM Sched _____ Steel Plastic Stainless Steel Other _____
 Grout Seal Depth _____ ft Neat Cement (94 lb bag / 5-10 gal water) Sand Cement _____ sack mix / 7 gal water
 Bentonite (20% solids) Manufacturer Spec % solids _____ % Name _____ Specs on File Specs Submitted
 Grout Placement Method Pumped Free Fall Other _____ Retardant / Accelerator (name) _____

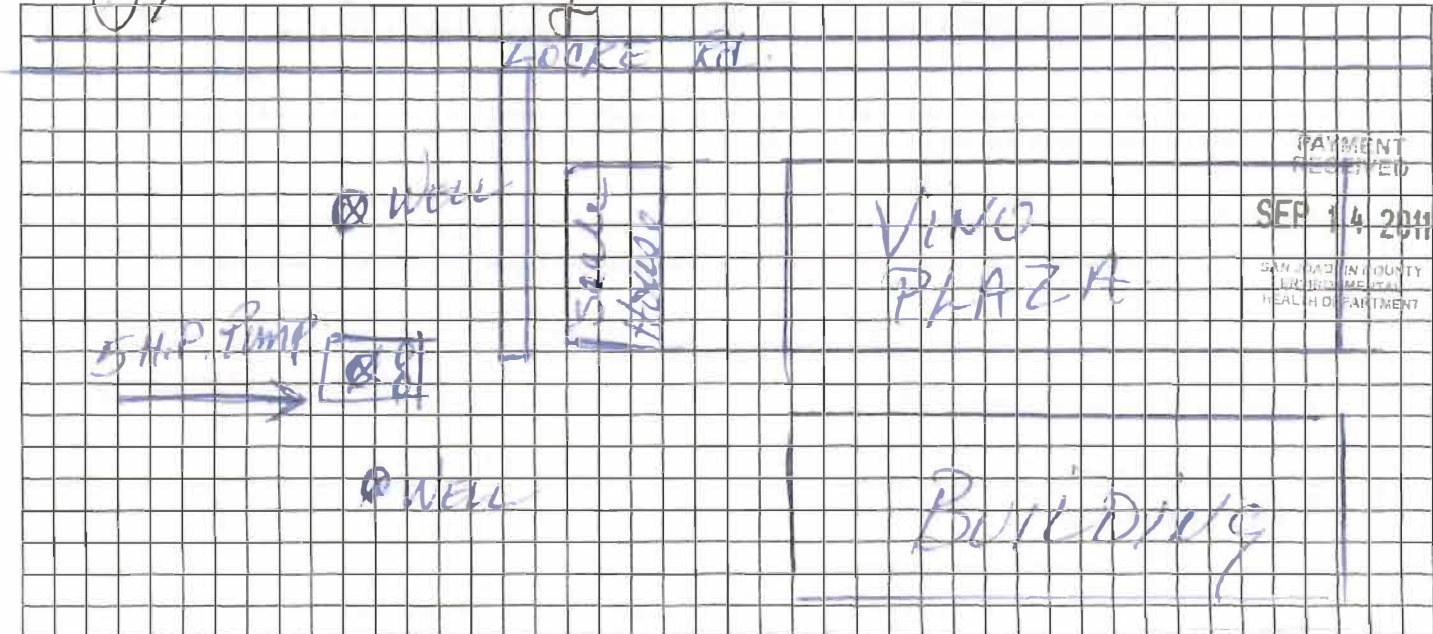
PEDESTAL Installed By Driller Pump Contractor Other _____
 Concrete Pedestal Dimensions: Width _____ ft Length _____ ft Thick _____ in Christy Box Stove Pipe

PUMP Submersible Turbine Other _____ HP 5 Pump Set 128 ft Standing Water Level 118 ft

I HEREBY CERTIFY THAT I HAVE PREPARED THIS APPLICATION AND THAT THE WORK WILL BE DONE IN ACCORDANCE WITH SAN JOAQUIN COUNTY ORDINANCES, STATE LAWS, AND RULES AND REGULATIONS. I ALSO CERTIFY THAT MY REQUIRED LICENSE IS CURRENT AND ACTIVE WITH THE CALIFORNIA CONTRACTORS STATE LICENSE BOARD AND THAT I AM IN COMPLIANCE WITH ALL WORKERS COMPENSATION LAWS.

MINIMUM 24 HOUR ADVANCE NOTICE REQUIRED FOR INSPECTIONS

SIGNED Sylvia W. Beckman TITLE Contr. DATE 9-14-11



DEPARTMENT USE ONLY

Application Accepted By Steven Shid Date 9/14/2011 Area _____ Employee ID# 5838 4/4
 Grout Inspection By _____ Date _____ SPECIAL Well Permit
 Pump Inspection By _____ Date 11/27/11 WAIVER Received
 Constructed Well Depth _____ ft

COMMENTS WELL WAS PROPERLY SERVICED. WELL MADE READY TO OPERATE. ALL INSPECTIONS IN PLACE. PEDESTAL INTEGRITY (WELL HEAD FLOORING) = GOOD. BVE OF SCUMMING TUBE WAS BROKE OFF.

PE Codes	SC Info	Received By	Check#/ Cash	Amount Remitted	Date	Permit/ Service Request #	Invoice #	Well ID#
4682	051	<u>\$</u>	<u>17185</u>	<u>\$80.</u>	<u>9/14/11</u>	<u>SP0063464</u>		

EHD 43-02-006 1/27/2005 SITE MGR. TO REPAIR - 10/12/11 (30 min); OPERATE AT 20 GCF SCUMMING TUBE WAS CENTERED CLOSED. WELL PUMP PER

LIQUID WASTE PERMIT

SAN JOAQUIN COUNTY PUBLIC HEALTH SERVICES ENVIRONMENTAL HEALTH DIVISION
304 E. WEBER AVE 3RD FLOOR, STOCKTON, CA 95202 (209) 468-3420

11:00

E

NON-REFUNDABLE PERMIT EXPIRES 1 YEAR FROM DATE ISSUED

JOB ADDRESS 12470 Locke Road APN 051-320-09 PARCEL SIZE: 22.8

CITY/ZIP Lockeford 95237 BUILDING PERMIT # _____

OWNER NAME Don Litchfield ADDRESS 12470 Locke Rd

CITY/ZIP Lockeford 95237 PHONE NUMBER 727-9770

CONTRACTOR Neil D. Anderson & Assoc ADDRESS 22 Houston Lane

CITY/ZIP Lodi CA 95240 PHONE NUMBER 209 367-3701

GEOGRAPHICAL INFORMATION: COORDINATES: X _____ Y _____ TOWNSHIP _____ RANGE _____ SECTION _____

TYPE OF SEPTIC WORK: <input type="checkbox"/> NEW INSTALLATION <input type="checkbox"/> REPAIR/ADDITION <input type="checkbox"/> DESTRUCTION <input type="checkbox"/> ENGINEERED/ALTERNATIVE	INSTALLATION WILL SERVE: <input type="checkbox"/> RESIDENCE <input type="checkbox"/> COMMERCIAL <input type="checkbox"/> OTHER _____	NUMBER OF LIVING UNITS: _____ NUMBER OF BEDROOMS: _____ NUMBER OF EMPLOYEES: _____
---	--	---

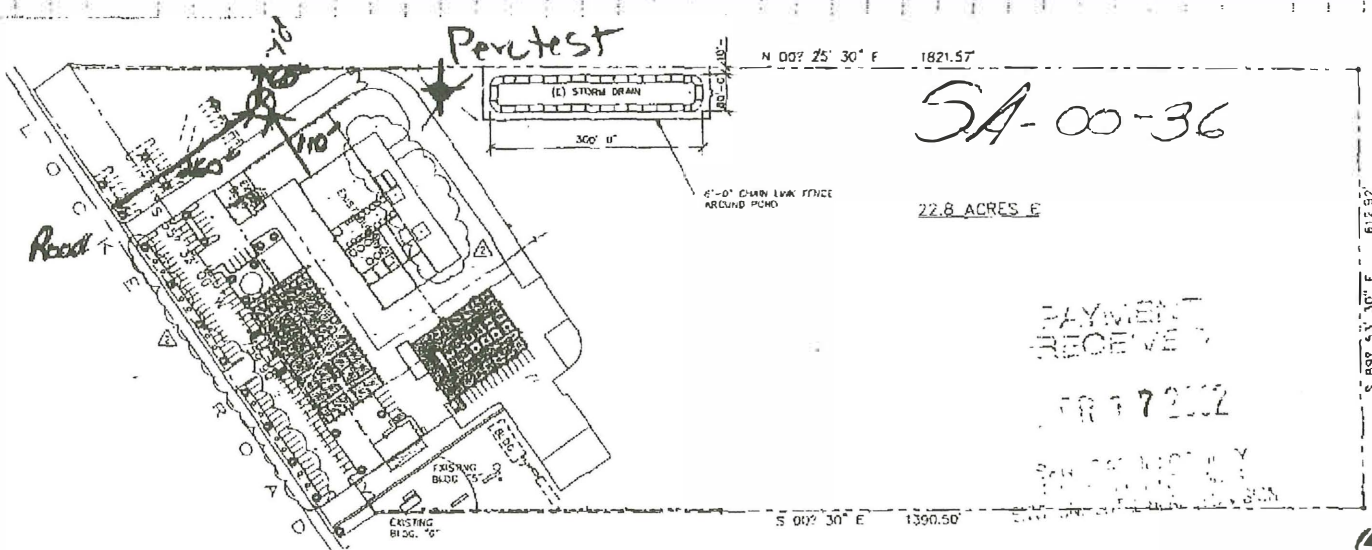
CHARACTER OF SOIL TO DEPTH OF 3': _____ PIT/SUMP SOIL CHARACTER: _____ WATER TABLE DEPTH: _____

- PERC TEST (S) HOW MANY 1 APPLICATION # _____
- SEPTIC TANK TYPE/MFG _____ CAPACITY _____ # OF COMPARTMENTS _____
- GREASE TRAP TYPE/MFG _____ CAPACITY _____ # OF COMPARTMENTS _____
- PKGTX PLANT DISTANCE TO NEAREST: WELL _____ FOUNDATION _____ PROPERTY LINE _____
- LIFT STATION SIZE _____ TYPE OF PUMP _____ SAND OIL SEPARATOR (ENCLOSED SYSTEM) _____
- LEACH LINE # OF LINES: _____ LENGTH OF LINES: _____ DISTANCE TO NEAREST: WELL _____ FOUNDATION _____ PROPERTY LINE _____
INFILTRATOR CHAMBERS: _____
- FILTER BED WIDTH _____ LENGTH _____ DEPTH _____ DISTANCE TO NEAREST: WELL _____ FOUNDATION _____ PROPERTY LINE _____
- MOUNDED WIDTH _____ LENGTH _____ DEPTH _____ DISTANCE TO NEAREST: WELL _____ FOUNDATION _____ PROPERTY LINE _____
- SUMPS WIDTH _____ LENGTH _____ DEPTH _____ DISTANCE TO NEAREST: WELL _____ FOUNDATION _____ PROPERTY LINE _____
- DISPOSAL PONDS WIDTH _____ LENGTH _____ DEPTH _____ DISTANCE TO NEAREST: WELL _____ FOUNDATION _____ PROPERTY LINE _____
- SEEPAGE PITS # _____ DIAMETER _____ DEPTH _____ DISTANCE TO NEAREST: WELL _____ FOUNDATION _____ PROPERTY LINE _____

I HEREBY CERTIFY THAT I HAVE PREPARED THIS APPLICATION AND THE WORK WILL BE DONE IN ACCORDANCE WITH SAN JOAQUIN COUNTY ORDINANCES, STATE LAWS AND RULES AND REGULATIONS OF SAN JOAQUIN COUNTY.

MINIMUM 24 HOUR ADVANCE NOTICE REQUIRED FOR INSPECTIONS - PLEASE CALL (209) 468-3423

SIGNED: Don Litchfield TITLE Geologist DATE: 4-17-02



12470 E LOCKE RD LOCKEFORD

APPENDIX C



McC Campbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1909459

Report Created for: Advanced GeoEnvironmental, Inc.

837 Shaw Road
Stockton, CA 95215

Project Contact: Brian Millman

Project P.O.:

Project: Tuscan Wine Village Property

Project Received: 09/11/2019

Analytical Report reviewed & approved for release on 09/17/2019 by:

Yen Cao
Project Manager

The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current NELAP standards, where applicable, unless otherwise stated in the case narrative.





Glossary of Terms & Qualifier Definitions

Client: Advanced GeoEnvironmental, Inc.

Project: Tuscan Wine Village Property

WorkOrder: 1909459

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LQL	Lowest Quantitation Level
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)



McC Campbell Analytical, Inc.

"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client: Advanced GeoEnvironmental, Inc.

WorkOrder: 1909459

Date Received: 9/11/19 12:46

Extraction Method: E300.1

Date Prepared: 9/11/19

Analytical Method: E300.1

Project: Tuscan Wine Village Property

Unit: mg/L

Inorganic Anions by IC

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
DW-1	1909459-001A	Water	09/10/2019 09:20	IC4 09111967.D	185091

Analytes	Result	RL	DF	Date Analyzed
Nitrate as N	0.14	0.10	1	09/11/2019 17:09
Nitrate as NO ₃ ⁻	0.60	0.44	1	09/11/2019 17:09

Surrogates	REC (%)	Limits	
Formate	100	90-115	09/11/2019 17:09

Analyst(s): AO



Quality Control Report

Client: Advanced GeoEnvironmental, Inc.
Date Prepared: 9/11/19
Date Analyzed: 9/11/19
Instrument: IC4
Matrix: Water
Project: Tuscan Wine Village Property

WorkOrder: 1909459
BatchID: 185091
Extraction Method: E300.1
Analytical Method: E300.1
Unit: mg/L
Sample ID: MB/LCS/LCSD-185091

QC Summary Report for E300.1

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Nitrate as N	ND	0.053	0.10	-	-	-
Nitrate as NO ₃ ⁻	ND	0.23	0.44	-	-	-
Surrogate Recovery						
Formate	0.10			0.1	101	85-115

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Nitrate as N	0.98	0.98	1	98	98	85-115	0	15
Nitrate as NO ₃ ⁻	4.3	4.3	4.4	98	98	85-115	0	15
Surrogate Recovery								
Formate	0.099	0.10	0.10	99	100	90-115	0.403	10

1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

WaterTrax WriteOn EDF

WorkOrder: 1909459

ClientCode: AGES

Excel EQuIS Email HardCopy ThirdParty J-flag
 Detection Summary Dry-Weight

Report to:

Brian Millman
Advanced GeoEnvironmental, Inc.
837 Shaw Road
Stockton, CA 95215
(209) 467-1006 FAX: (209) 467-1118

Email: bmillman@advgeoenv.com; admin@advge
cc/3rd Party:
PO:
Project: Tuscan Wine Village Property

Bill to:

Erica
Advanced GeoEnvironmental, Inc.
837 Shaw Road
Stockton, CA 95215
ap@advgeoenv.com

Requested TAT: 5 days;

Date Received: 09/11/2019
Date Logged: 09/11/2019

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)												
					1	2	3	4	5	6	7	8	9	10	11	12	
1909459-001	DW-1	Water	9/10/2019 09:20	<input type="checkbox"/>	A	A											

Test Legend:

1	300_1_W	2	PRDisposal Fee	3		4	
5		6		7		8	
9		10		11		12	

Project Manager: Rosa Venegas

Prepared by: Agustina Venegas

Comments: When Liter provided for TPH always do a Liter Extraction (Large Volume)

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days). Hazardous samples will be returned to client or disposed of at client expense.



WORK ORDER SUMMARY

Client Name: ADVANCED GEOENVIRONMENTAL, INC. **Project:** Tuscan Wine Village Property **Work Order:** 1909459
Client Contact: Brian Millman **QC Level:** LEVEL 2
Contact's Email: bmillman@advgeoenv.com; admin@advgeoenv.com; kburchard@advgeoenv.com **Comments:** When Liter provided for TPH always do a Liter Extraction (Large Volume) **Date Logged:** 9/11/2019

WaterTrax
 WriteOn
 EDF
 Excel
 EQulS
 Email
 HardCopy
 ThirdParty
 J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1909459-001A	DW-1	Water	E300.1 (Inorganic Anions) <Nitrate as N, Nitrate as NO3 ⁻ >	1	1L HDPE, unprsv.	<input type="checkbox"/>	9/10/2019 9:20	5 days	None	<input type="checkbox"/>	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).
 - MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.



Sample Receipt Checklist

Client Name: **Advanced GeoEnvironmental, Inc.**
 Project: **Tuscan Wine Village Property**
 WorkOrder No: **1909459** Matrix: Water
 Carrier: Patrick Johnson (MAI Courier)

Date and Time Received: **9/11/2019 12:46**
 Date Logged: **9/11/2019**
 Received by: **Agustina Venegas**
 Logged by: **Agustina Venegas**

Chain of Custody (COC) Information

Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample IDs noted by Client on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Date and Time of collection noted by Client on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sampler's name noted on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
COC agrees with Quote?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper containers/bottles?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>
Samples Received on Ice?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	

(Ice Type: WET ICE)

Sample/Temp Blank temperature	Temp: 2.4°C	NA <input type="checkbox"/>
Water - VOA vials have zero headspace / no bubbles?	Yes <input type="checkbox"/> No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Sample labels checked for correct preservation?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
pH acceptable upon receipt (Metal: <2; Nitrate 353.2/4500NO3: <2; 522: <4; 218.7: >8)?	Yes <input type="checkbox"/> No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>

UCMR Samples:

pH tested and acceptable upon receipt (200.8: ≤2; 525.3: ≤4; 530: ≤7; 541: <3; 544: <6.5 & 7.5)?	Yes <input type="checkbox"/> No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Free Chlorine tested and acceptable upon receipt (<0.1mg/L)?	Yes <input type="checkbox"/> No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>

Comments:

APPENDIX D

ONSITE WASTEWATER TREATMENT SYSTEM PERMIT

SAN JOAQUIN COUNTY ENVIRONMENTAL HEALTH DEPARTMENT

1868 E. HAZELTON AVENUE - STOCKTON CA 95205 - (209) 468-3420

NON-REFUNDABLE PERMIT

CALL (209) 953-7697 FOR INSPECTIONS

EXPIRES 1 YEAR FROM DATE ISSUED

JOB ADDRESS <u>12470 E Locke Road</u>		CITY/ZIP <u>Lockeford, 95237</u>	
CROSS STREET <u>Fillmore Street</u>	ARN <u>051-320-126900</u>	PARCEL SIZE <u>23.61</u>	
OWNER NAME <u>NRC Equity Fund 1</u>		PHONE <u>707 235-5542</u>	
OWNER ADDRESS <u>736 S Center St.</u>		CITY/STATE/ZIP <u>Reno, NV, 89501</u>	
CONTRACTOR <u>Advanced GeoEnvironmental, Inc. (AGE)</u>		PHONE <u>(800) 511-9300</u>	
CONTRACTOR ADDRESS <u>837 N Shaw Road</u>		CITY/STATE/ZIP <u>Stockton, CA, 95215</u>	
LICENSE <input type="checkbox"/> C-42 <input type="checkbox"/> C-36 OTHER <input checked="" type="checkbox"/> C-57 / A-Haz		NUMBER <u>680227</u>	EXPIRATION DATE <u>11/30/19</u>

SITE ADDRESS:

WATER TABLE DEPTH: ~125 ft GEOGRAPHICAL INFORMATION: Coordinates X _____ Y _____

<input checked="" type="checkbox"/> PERC TEST # <u>1</u>	BUILDING PERMIT # _____	LAND USE APPLICATION # _____
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TYPE OF WORK: NEW INSTALLATION REPAIR/ADDITION ENGINEER DESIGNED / ALTERNATIVE
 REPLACEMENT OUT-OF-SERVICE SEPTIC SYSTEM DESTRUCTION

INSTALLATION WILL SERVE: <input type="checkbox"/> RESIDENCE <input type="checkbox"/> COMMERCIAL <input type="checkbox"/> OTHER _____
NUMBER OF LIVING UNITS: _____ NUMBER OF BEDROOMS: _____ NUMBER OF EMPLOYEES: _____

SEPTIC TANK TYPE/MFG _____ CAPACITY _____ gal # OF COMPARTMENTS _____
 GREASE TRAP TYPE/MFG _____ CAPACITY _____ gal # OF COMPARTMENTS _____
 DISTANCE TO NEAREST: WELL _____ ft FOUNDATION _____ ft PROPERTY LINE _____ ft
 LIFT STATION SIZE _____ TYPE OF PUMP _____ PKG TX PLANT SAND OIL SEPARATOR (ENCLOSED SYSTEM)

LEACH LINES LEACHING CHAMBERS # OF LINES _____ LENGTH OF LINES _____ ft
 DISTANCE TO NEAREST WELL _____ ft FOUNDATION _____ ft PROPERTY LINE _____ ft

FILTER BED WIDTH _____ ft LENGTH _____ ft DEPTH _____ ft
 DISTANCE TO NEAREST WELL _____ ft FOUNDATION _____ ft PROPERTY LINE _____ ft

MOUNDED WIDTH _____ ft LENGTH _____ ft DEPTH _____ ft
 DISTANCE TO NEAREST WELL _____ ft FOUNDATION _____ ft PROPERTY LINE _____ ft

SUMPS WIDTH _____ ft LENGTH _____ ft DEPTH _____ ft
 DISTANCE TO NEAREST WELL _____ ft FOUNDATION _____ ft PROPERTY LINE _____ ft

DISPOSAL PONDS WIDTH _____ ft LENGTH _____ ft DEPTH _____ ft
 DISTANCE TO NEAREST WELL _____ ft FOUNDATION _____ ft PROPERTY LINE _____ ft

SEEPAGE PITS NUMBER _____ WIDTH _____ ft DEPTH _____ ft
 DISTANCE TO NEAREST WELL _____ ft FOUNDATION _____ ft PROPERTY LINE _____ ft

I HEREBY CERTIFY THAT I HAVE PREPARED THIS APPLICATION AND THE WORK WILL BE DONE IN ACCORDANCE WITH SAN JOAQUIN COUNTY ORDINANCES AND STATE LAWS AND RULES AND REGULATIONS OF SAN JOAQUIN COUNTY.

MINIMUM 48 HOUR ADVANCE NOTICE REQUIRED FOR INSPECTIONS - PLEASE CALL (209) 953-7697

SIGNED [Signature] TITLE Senior Geologist DATE 29 August 2019



PAYMENT RECEIVED
 AUG 29 2019
 SAN JOAQUIN COUNTY ENVIRONMENTAL HEALTH DEPARTMENT

Application Accepted By [Signature] DEPARTMENT USE ONLY Date 8/29/19 Area 4/99 Employee ID# SK
 Final Inspection By _____ Date _____ SPECIAL PERMIT - Approved by _____
 Character of Soil to Depth of 3 Ft: _____ Pit/Sump Soil Character: _____
 COMMENTS _____

PE Code	SC INFO	Received By	Check#/Cash	Amount Remitted	Date	Permit/Service Request #	Invoice #	Permit ID#
<u>420523</u>	<u>523</u>	<u>MB</u>	<u>26296</u>	<u>152</u>		<u>SK0081095</u>		

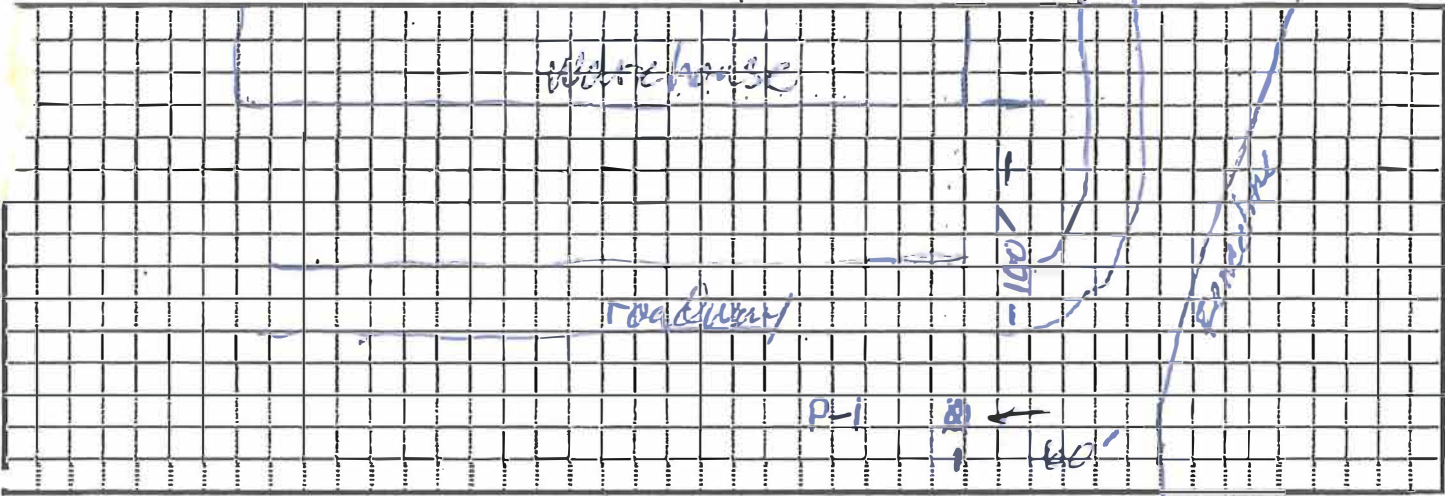


SAN JOAQUIN COUNTY
ENVIRONMENTAL HEALTH DEPARTMENT
 1868 East Hazelton Avenue, Stockton, CA 95205-6232
 Telephone: (209) 468-3420 Fax: (209) 464-0138 Web: www.sjgov.org/ehd

PERCOLATION TEST RATE

ADDRESS OR LOCATION: 12470 E. Locke rd. CITY: Lockeford
 OWNER NAME: Gary Sparkman DATE: 9/11/19
 APN: 051-320-130 APPLICATION #: _____ DEPTH TO FIRST WATER: ~125' Ft
 SOIL TYPE: _____
 REMARKS: _____

LOCATION OF TEST HOLES (SHOW WELLS AND STRUCTURES)



SOIL PROFILE (IF REQUIRED)

Depth	Soil Type	Depth	Soil Type	Depth	Soil Type	Depth	Soil Type	Depth	Soil Type
1'	sandy silt								
2'	silty sand								
3'	sandy silt								

P-1 Test Hole # 1
 Parcel: _____ Diameter: 4 in Depth: 42 in

TIME	READING	WATER DROP	REFILLED
9:00	3.28	0.4	2.78
9:30	3.27	.49	2.78
10:00	3.22	.44	2.78
10:30	3.21	.43	2.78
11:00	3.19	.41	2.78
11:30	3.17	.39	2.78
12:00	3.17	.39	2.78
12:30	3.16	.38	2.78
13:00	3.15	.37	—

Test Hole # 2
 Parcel: _____ Diameter: _____ in Depth: _____ in

TIME	READING	WATER DROP	REFILLED

PERCOLATION RATE: 6.75 min/in
 RECOMMENDED SEPTIC AREA: _____
 TEST PERFORMED BY: Kick Murty
 TEST CERTIFIED BY: _____
 OBSERVED BY (REHS): [Signature]

PERCOLATION RATE: _____ min/in
 RECOMMENDED SEPTIC AREA: _____
 Phone: 467 1006 Date: 9/11/19
 Phone: _____ Date: _____
 Phone: _____ Date: 9/11/19