



Type



Plans

GRD10-0037

Permit Number

14701

Street Number

Bodega Hwy

Street Name

TW1

Community Code

026-120-006

APN

COUNTY OF SONOMA - PERMIT AND RESOURCE MANAGEMENT DEPARTMENT

2550 Ventura Avenue, Santa Rosa, CA 95403 (707) 565-1900 FAX (707) 565-1103

Please Print
Your Name:

Date
Applied:

INFORMATION WITHIN HEAVY LINE TO BE COMPLETED BY APPLICANT

SITE LOCATION INFORMATION (PRINT CLEARLY)

Site Address: 14701 BODEGA HWY	City: Freestone	ZIP: 95472
Cross-Street: Bohemian Hwy	APN: 026-120-006	Project Phone #: 707-824-9730
Directions:	Email address: Steve @ Smassociates.net	Unit #
Describe Project: Vineyard access road	Living Area: w/a	Contract Price:
	Garage:	
	Decks:	

OWNER NAME AND ADDRESS

Name: Kistler Vineyards
Mailing Address: 4707 Vine Hill Rd
City: Sebastopol
State: CA
Day Ph: 707-823-5603
Fax: ()

APPLICANT NAME AND ADDRESS

Name: Steve Martin Associates, Inc
Mailing Address: 130 S. Main St #201
City: Sebastopol
State: CA
Day Ph: 707-824-9730
Fax: 707-824-9707

CONTRACTOR INFORMATION

Company Name: TBD
Address:
City:
State:
ZIP:
Day Ph: ()
Fax: ()

OTHER PERSONS (ARCHITECT, ENGINEER, ETC.)

Name:
Address:
City:
State:
ZIP:
Day Ph: ()
Fax: ()
License No:
Exp. Date:

WORKER'S COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:
☐ I have and will maintain a certificate of consent to self-insure for worker's compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.
☒ I have and will maintain worker's compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My worker's compensation insurance carrier and policy number are:

Carrier: _____
 Policy No: _____

(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 worker's compensation laws of California, and agree that if I should become subject to the worker's compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Exp. Date: **4/20/10** Applicant: **[Signature]**

WARNING: FAILURE TO SECURE WORKER'S COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS (\$100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury 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 or she 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 or she is exempt therefrom 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 at 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 herself or through his or her 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 or she 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 Professions 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 _____

By my signature below I acknowledge that, except for my personal residence in which I must have resided for at least one year prior to completion of the improvements covered by this permit, I cannot legally sell a structure that I have built as an owner-builder if it has not been constructed in its entirety by licensed contractors. I understand that a copy of the applicable law, Section 7044 of the Business and Professions Code, is available upon request when this application is submitted or at the following website: <http://www.sgnrto.ca.gov/calaw.html>.

Date: **4/20/10** Signature of Property Owner or Authorized Agent: **[Signature]**

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm under penalty of perjury that I am licensed under 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.

Lic. Class: _____ Lic. No: _____

Exp. Date: _____ Contractor: _____

ASBESTOS DECLARATION

Written asbestos notification pursuant to Part 61 of Title 40 of the Code of Federal Regulations is required when asbestos exists in buildings, or portions thereof, undergoing demolition. I hereby declare that demolition authorized by this permit is from construction that () does () does not contain asbestos, or that () no demolition is authorized by this permit.

I certify that I have read this application and affirm under penalty of perjury that the above information is correct. I agree to comply with all local Ordinances and State laws relating to building construction. I hereby authorize representatives of the County of Sonoma to enter upon the above-mentioned property for inspection purposes. If, after making the Certificate of Exemption for the Workers Compensation provision of the Labor Code I should become subject to such provisions, I will forthwith comply. In the event I do not comply with the Workman's Compensation law, this permit shall be deemed revoked.

PERMITTEE SIGNATURE: **[Signature]**
 ADDRESS: **130 S Main St #201** CITY: **Sebastopol** ZIP: **95472**

☐ Contractor ☐ Owner ☒ Other Licensed Professional

THIS PERMIT SHALL EXPIRE IN THREE(3) YEARS FROM DATE FEES ARE PAID UNLESS OTHERWISE NOTED BY CODE ENFORCEMENT

CONSTRUCTION LENDING DECLARATION

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

Lenders Name: _____
 Lenders Address: _____

FOR DEPARTMENT USE

Zoning: RRPWA	File No: 136100 SR VOA	Acres: 250
Existing Use/Structures: Single Family		
Proposed Use/Structures: Large Vineyard access Rd		
Zoning Min. Yard Requirements: Front 30' Left 10' Right 10' Back 30'		
NOTE: Fire Safe Standards require all parcels greater than 1 Acre to have a min. 30' setback unless mitigated. <input type="checkbox"/> Mitigation Required <input type="checkbox"/> Address subject to change		
Approval for Permit Issuance: [Signature]	Approval for Occupancy: [Signature]	
By: [Signature]	By: [Signature]	
Date: 7/1/10	Date: 7-20-10	
Conditions: OK for Major T	See Tract T	

Sewer Connection: ☐ Available ☐ Fees Paid

Approved by: _____ Date: _____

Road Encroachment: ☐ Fees Paid **ENC10-0110**

Approved by: **[Signature]** Date: **7-1-10**

Septic System Permit/Clearance # **REV09-0430**

Approved by: **[Signature]** Date: **4-20-10**

Flood Zone: ☐ Yes ☒ No 100 Year Flood Elevation: _____

Site Review

Drainage Review: **[Signature]** Date: **6/27/10**

Fire: **[Signature]** Date: **6-2-10**

Code Enforcement Violation ☐ Yes ☒ No Violation # _____

This permit is limited to _____ days.

Work Authorized: **Grading for Vineyard Access Road**

<input checked="" type="checkbox"/> Plans Approved	<input type="checkbox"/> Post FIRM	<input type="checkbox"/> Aqquist Photo Report Available
<input type="checkbox"/> No Plans Subject to Field Inspection	<input type="checkbox"/> Pre FIRM	<input type="checkbox"/> Geotechnical report Available
Plancheck Cleared By: [Signature] Date: 6/27/10	Type of Construction	Occupancy
Permit Cleared for Issuance By: [Signature] Date: 7/1/10	No. of Stories	No. of Bedrooms
	Auto. Fire Sprinklers Req'd	No. of Units
		Certificate of Occupancy

Machine Space for Permit Fee

PAYMENT REC'D
 \$ **[Amount]**

JUL 01 2010

PERMIT AND RESOURCE MANAGEMENT DEPARTMENT
 COUNTY OF SONOMA

Distribution: White - File Canary - Applicant Blue - Assessor Cardstock - Inspector

JOB ADDRESS: **14701 BODEGA HWY**
 PERMIT NUMBER: **707-10-0051**
 INSPECTION AREA: **70**

SMA

130 South Main Street, Suite 201
Sebastopol, CA 95472
707-824-9730
707-824-9707 (fax)

606 Alamo Pintada Road #3-221
Solvang, CA 93463
805-541-9730

HYDROLOGY & HYDRAULIC CALCULATIONS

For

KISTLER VINEYARDS – POZZI RANCH VINEYARD ACCESS ROAD

**14701 Bodega Highway
Sonoma County, CA
APN 026-120-006**

Vineyard Access Road Improvements

Project No. 2009006

June 24, 2010



By

**SMA
130 South Main St. Suite 202
Sebastopol, CA
707-824-9730**

Drainage Narrative

The project description consists of the construction of a new vineyard access road following the existing gravel ranch road. To minimize disturbance to the land and the existing drainage, the improved access road was designed to follow the centerline of the existing ranch road. There is currently a road side ditch/swale along the existing road which conveys the drainage flows to the east. This roadside swale is earth lined and is non-uniform.

The new vineyard access road improvements includes a new grass-lined v-ditch on the uphill side of the road. The v-ditch is sized to carry flows from the 100 year storm event. As mentioned, the v-ditch will be grass lined utilizing North American Green 350 erosion control blanket over straw and seeding. This lining will prevent erosion of the soil and will filtrate sediment along the entire length (2000'+). The grass lining described is an effective and permanent BMP. The v-ditches outlet to the same downstream points as the existing swales, but rock rip-rap discharge flares are designed at the outlets. The rip-rap discharge flares will provide further filtration, if needed, slow the velocity down and spread the outlet flow. This, of course, will reduce potential downstream or down gradient erosion.

Pre & Post-Development Flow

Since the aggregate C-factor remains unchanged from the pre-development and the post-development conditions, the post-development flows do not increase over the pre-development flows. In total, there is approximately 0.20 acres of area that has a C-factor change from 0.45 to 0.9 over Tributary 1 watershed of 23.7 acres. The area of C-factor increase is less than 1% of the watershed area. The individual subareas C-factors and the aggregate C-factor for the watershed do not change in the design calculations.

Due to the above, a 2-year peak hydrograph modification is not warranted. However, as described in the preceding section, BMP measures are being implemented in the designed improvements.

HYDROLOGY CALCULATIONS

Project: Kistler Vineyards - Pozzi Ranch

Project No.: 2010006

By: SMM

Date: 4/15/10

Storm Frequency: 100

Tributary: 1

Point of

Conc.	Area	Elev.	Distance	Slope	V	T _c		I	K	C	Area	Area _{total}	KAC	Sum (KAC)	Q	Design Dia.	Comments
						T _{travel}	T _{total}										
1	A	120	370	0.32		15	15	2.42	1.35	0.45	1.49	1.49	0.91	0.91	2.19		
2	B	20	200	0.1	7.31	0.46	15.5	2.38	1.35	0.45	5.8	7.29	3.52	4.43	10.6		Overland & v-ditch
3	C	40	430	0.093	10.2	0.7	16.2	2.33	1.35	0.45	6.23	13.52	3.78	8.21	19.1		V-ditch
4	D	40	380	0.105	12.6	0.5	16.7	2.29	1.35	0.6	10.2	23.72	8.26	16.5	37.8		V-ditch

Tributary: 2

Point of

Conc.	Area	Elev.	Distance	Slope	V	T _c		I	K	C	Area	Area _{total}	KAC	Sum (KAC)	Q	Design Dia.	Comments
						T _{travel}	T _{total}										
1	E	60	800	0.08		15	15	2.42	1.35	0.35	2.1	2.1	0.99	0.99	2.4		

Tributary: 3

Point of

Conc.	Area	Elev.	Distance	Slope	V	T _c		I	K	C	Area	Area _{total}	KAC	Sum (KAC)	Q	Design Dia.	Comments
						T _{travel}	T _{total}										
1	H	14	350	0.04		15	15	2.42	1.35	0.42	1	1	0.57	0.57	1.37		
2	G	20	200	0.1	3.4	0.98	16.0	2.34	1.35	0.42	0.68	1.68	0.39	0.95	2.23	18" CMP	s=.02, d/D=.27

CARNEROS VINTNERS
Hydraulic Calculations

SMA

KISTLER VINEYARDS - POZZI RANCH
HYDRAULIC CALCULATIONS

DATE: 4/15/10
JOB NO. 2008008

TRIBUTARY #2 V-Ditches

Point of Concetration #1 to #2

Q (cfs)	2.19
Roughness (n)	0.02 straight uniform grass lined
Side Slopes (Z:1)	2
K	1.74
Slope	0.1 Mannings Formula (Brater-King)
Calculated Depth (ft.)	0.39 " $=POWER(B7*B8/(B10*(SQRT(B11))),0.375)$ "
Area (sf)	0.30 " $=B9*POWER(B12,2)$ "
Velocity (ft/sec)	7.31 " $=B7/B13$ "

Point of Concetration #2 to #3

Q (cfs)	10.6
Roughness (n)	0.02 straight uniform grass lined
Side Slopes (Z:1)	2
K	1.74
Slope	0.085
Calculated Depth (ft.)	0.72 OK - D=1.0' to 2.7'
Area (sf)	1.04
Velocity (ft/sec)	10.20 " $=B7/B13$ "

Point of Concetration #3 to #4

Q (cfs)	19.1
Roughness (n)	0.02 straight uniform grass lined
Side Slopes (Z:1)	2
K	1.74
Slope	0.1 min.
Calculated Depth (ft.)	0.87
Area (sf)	1.52
Velocity (ft/sec)	12.56

Point of Concetration #1 - G&H

Q (cfs)	1.37
Roughness (n)	0.03 roadside ditch
Side Slopes (Z:1)	2
K	1.74
Slope	0.04 min.
Calculated Depth (ft.)	0.45
Area (sf)	0.40
Velocity (ft/sec)	3.40

LANDS OF PREBILICH
APN 026-110-027

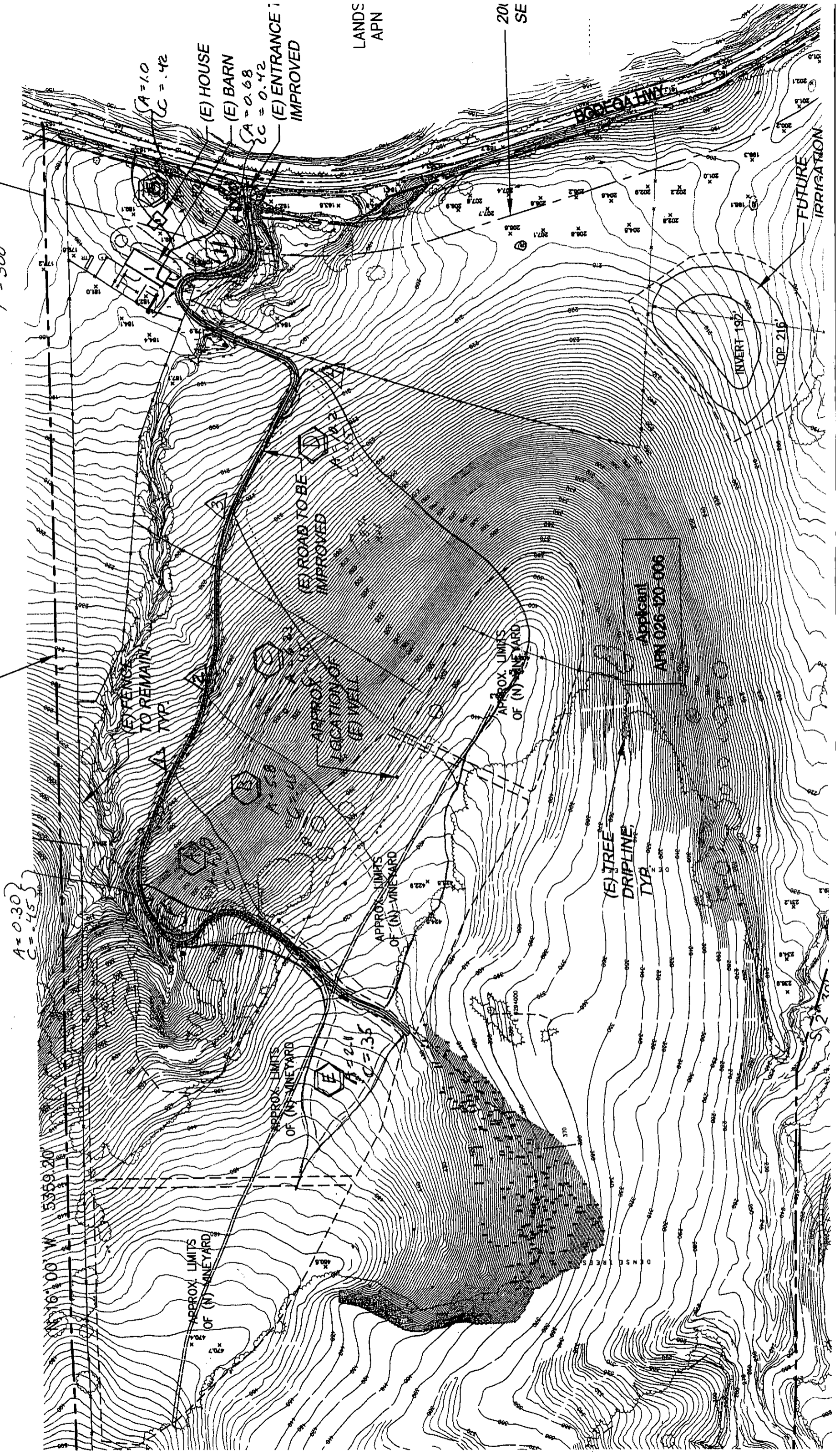
LANDS OF PREBILICH
APN 026-110-008

APPROX. LOCATION
OF PROPERTY LINE

KISTLER VINEYARDS Access Road
HYDROLOGY MAP

1" = 300'

$A = 0.30$
 $C = .45$



LANDS
APN

201
SE

BOLEGA HWY

INVERT 192'

TOP 216'

FUTURE
IRRIGATION

APPLICANT
APN 026-120-006