General W&S Approval Stamp

APPROVED
PERMIT SONOMA
WELL AND SEPTIC SECTION
APPROVED BY EMYSZKA
DATE September 15, 2022
PERMIT # SEP22-0183

OWTS Design Report

for

Owner

3210 West Dry Creek Road
Healdsburg, California 95448

APN 091-170-026

JN: 21387
September 6, 2022

Prepared for:
Owner

REGISTERED PROFESSIONAL ENGINEER
GREGORY M. SCHRAM
No. 73540
Exp.12/31/2022
CIVIL
STATE OF CALIFORNIA

Gregory Schram, PE 73540
My license expires 12/31/22

Prepared by:

adobe associates, inc.
civil engineering | land surveying | wastewater
1220 N. Dutton Ave., Santa Rosa, CA 95401
P. (707) 541-2300 F. (707) 541-2301
Website: www.adobeinc.com

Project Narrative

The purpose of this project is to provide septic disposal capacity for a proposed 6-bedroom residence on the parcel located at 3210 West Dry Creek Road (APN 090-140-038). A non-standard type drip irrigation system will serve the 6-bedroom residence. The proposed design meets all current Sonoma County OWTS standards.

Table of Contents

Appendix A – OWTS Design Calculations

Drip Irrigation Calculations

Pump Information

Appendix B – Soil Testing Reports

Perc Report

Appendix C – Parcel Info

Grand Deed (2015-096425)

APN Map

Parcel Map No. 3526

Attachment A – OWTS Design Calculations

DESIGN CRITERIA

DESIGN PURPOSE
THE PURPOSE OF THIS PROJECT IS TO PROVIDE SEPTIC DISPOSAL CAPACITY FOR A PROPOSED 6-BEDROOM RESIDENCE ON THE PARCEL LOCATED AT 3210 WEST DRY CREEK ROAD (APN 090-140-038). THE PROPOSED SYSTEM IS A NONSTANDARD DRIP IRRIGATION SYSTEM. THE PROPOSED DESIGN MEETS ALL CURRENT SONOMA COUNTY OWTS STANDARDS.

SITE REVIEW:
A SITE REVIEW WAS CONDUCTED BY A REPRESENTATIVE FROM THE SONOMA COUNTY PERMIT AND RESOURCE MANAGEMENT DEPARTMENT ON JULY 7, 2004 (SEV04-1126).

PERCOLATION TEST:
PERCOLATION TESTING WAS CONDUCTED BY FRANK DONO ON AUGUST 27, 2004 (SEV04-1358).

AVERAGE PERCOLATION RATE:		19 MINUTES PER INCH AT DEPTHS OF 36" AND 48".
SOIL APPLICATION RATE:		0.671 GAL/SF/DAY
AVERAGE GROUND SLOPE	=	10-30%

1

6 BEDROOM RESIDENCE

SYSTEM DESIGN CALCULATIONS/FLOWS:
(120 GAL/DAY/BDRM)(6 BEDROOMS) = 720 TOTAL GALLONS/DAY
(720 TOTAL GALLONS/DAY)/(0.671 (HLR) GAL/SF/DAY) = 1,073 TOTAL SQUARE FEET

DRIP IRRIGATION PRIMARY SEPTIC SYSTEM DESIGN:
1,073 SQUARE FEET (100%) PRIMARY DRIP IRRIGATION DISPOSAL FIELD REQUIRED.
1,120 SQUARE FEET PRIMARY DRIP IRRIGATION DISPOSAL FIELD SHOWN.
(TO BE CONSTRUCTED)

DRIP IRRIGATION RESERVE SEPTIC SYSTEM DESIGN:
2,146 SQUARE FEET (200%) RESERVE DRIP IRRIGATION DISPOSAL FIELD REQUIRED.
2,172 SQUARE FEET RESERVE DRIP IRRIGATION DISPOSAL FIELD SHOWN.
(NOT TO BE CONSTRUCTED)

GEOFLOW
SUBSURFACE DRIP

Updated Mar 2015

FIELD FLOW

Job Description:	*3210 West Dry Creek Road, Healdsburg CA*
Contact:	*Steve Brown RCE 43825*
Prepared by:	*Adobe Associates, Inc.*
Date:	*6-Sep-22*

Please fill in the shaded areas and drop down menus:
This spreadsheet is a **guide** for **small** systems with **residential** waste & is not a

Worksheet 1- Field Flow

Total field

	Total Quantity of effluent to be disposed per day	720	gallons / day
	Hydraulic loading rate	0.671	gallons / sq.ft. / d
	Minimum Dispersal Field Area	1,073	square ft.
	Total Dispersal Field Area	1,120	square ft.

Flow per zone

	Number of Zones	**1**	zone(s)
	Dispersal area per zone	1,120	square ft.
	Choose line spacing between WASTEFLOW lines	2	ft.
	Choose emitter spacing between WASTEFLOW em	2	ft.
	Total linear ft.per zone (minimum required)	560	ft. per zone
	Total number of emitters per zone	280	emitters per zone
	Select Wasteflow dripline (16mm)	Wasteflow PC - 1 gph	dripline
		Wasteflow Classic	
		Wasteflow PC - 1/2gph	
		Wasteflow PC - 1 gph	
	Pressure at the beginning of the dripfield	40	psi
	Feet of Head at the beginning of the dripfield	92.4	ft.
	What is the flow rate per emitter in gph?	1.02	gph
	Dose flow per zone	**4.76**	**gpm**

Note: A few States or Counties require additional flow for flushing. Please check your local regulati
Flush velocity calculation below is for PC dripline. Classic dripline requires less flow to flush than P
Please refer to Geoflow's spreadsheet "Design Flow and Flush Curves" at www.geoflow.com or ca

	If required, choose flush velocity	1	ft/sec
	How many lines of WASTEFLOW per zone?	7	lines
	Fill in the *actual* length of longest dripline lateral	96	ft.
	Flush flow required at the end of each dripline	0.74	gpm
	Total Flow required to achieve flushing velocity	5.18	gpm
	Total Flow per zone- worst case scenario	**9.94**	**gpm**

Select Filters and zone valves

	Select Filter Type	Vortex Screen Filter	
	Recommended Filter (item no.)	AP4E-1.5F	Screen Filter 0-20
	Select Zone Valve Type	Hydraulic	-
	Recommended Zone Valve (item no.)	0	0

Note minimum pressure of 25 psi required for Hydraulic valves.Check pressure in Cell D

Dosing

	Number of doses per day / zone:	12	doses
	Timer ON. Pump run time per dose/zone:	12.36	mins:secs
	Timer OFF. Pump off time between doses	1:47	hrs:mins
	Per Zone - Pump run time per day/zone:	2:31	hrs:mins
	All Zones - Number of doses per day / all zones	12	doses / day
	Allow time for field to pressurize	0:00:30	hrs:mins:secs
	Filter flush timer	0:00:20	hrs:mins:secs
	Drain timer	0:05:00	hrs:mins:secs
	Field flush timer	0:01:00	hrs:mins:secs
	Field flush counter	3	cycles
	Time required to complete all functions per day	**3:53**	hrs:mins
Dose volume per zone		60	gallons per dose

-

Allow time in the day for controller to have pressurization and drainage time.

PUMP SIZING

Job Description:	*3210 West Dry Creek Road, Healdsburg CA*
Contact:	*Steve Brown RCE 43825*
Prepared by:	*Adobe Associates, Inc.*
Date:	*9/6/2022*

Please fill in the shaded areas and drop down menus:

This spreadsheet is a guide for small systems with residential waste & is not a com

Pressure losses may be grossly overstated, particularly if designing with WASTEF

The letters on the diagram(right) match the letters in section 2 below.

Worksheet - Pump Sizing

Section 1 - Summary from Worksheet 1

Flow required to dose field	4.76	gpm
Flow required to flush field	5.18	gpm
Flow required to dose & flush field	9.94	gpm
Filter	AP4E-1.5F	
No. of Zones	1	zones
Zone valve	-	
Dripline	Wasteflow PC - 1 gph	
Dripline longest lateral	96.00	ft.

Section 2	Ft of head	Pressure
A. Flush line - Losses through return line		
Select Pipe from dropdown menu	PVC schedule 40	
Select Flush Line Diameter	1" inch	
Length of return line	245 ft.	
Equivalent length of fittings	61.25 ft.	
Elevation change. (if downhill enter 0)	**0** ft.	
Pressure loss in 100 ft of pipe	1.86 ft.	0.81 psi
Total pressure loss from end of dripline to return tan	*5.7 ft.*	2.47 psi
B. Dripline - Losses through Wasteflow dripline		
Length of longest dripline lateral	**96** ft.	
Minimum dosing pressure required at end of dripline	23.10 ft.	10.00 psi
Loss through dripline during flushing	1.29 ft.	0.559 psi
Total minimum required dripline pressure	*24.39 ft.*	10.56 *psi*
A+B. Minimum Pressure required at beginning of dripfield		
CALCULATED pressure required at beginning of dri	*30.09 ft.*	13.03 *psi*
SPECIFIED pressure at beginning of dripfield (from	**92.4 ft.**	40.00 *psi*
Great! SPECIFIED Pressure is greater than CALCULATED Pressure requirement. Go to next step		
C. Drip components - Losses through headworks		
Filter	6.2 ft.	2.70 psi
Zone valve pressure loss (not in diagram)	- ft.	- psi
Flow meter pressure loss (not in diagram)	5.00 ft.	2.16 psi
Other pressure losses	5.00 ft.	2.16 psi
Total loss through drip components	**16.24 ft.**	7.03 psi
D. Supply line - Minimum Pressure head required to get from pump tank to top of dripfield		
Select Pipe from dropdown menu	PVC schedule 40	
Select Supply line diameter	1" inch	
Length of supply line	245 ft.	
Equivalent length of fittings	61.25 ft.	
Height from pump to tank outlet	7 ft.	
Elevation change. (if downhill enter 0)	25 ft.	
Pressure loss/gain in 100 ft. of pipe	6.23 ft.	2.70 psi
Total gain or loss from pump to field	***51.1 ft.***	22.11 psi
Total dynamic head	**159.7 ft.**	69.14 *psi*
Pump capacity * - Field Flush Flow	**9.9 gpm**	69.14 *psi*
- Field Dose Flow	**4.8 gpm**	
- Filter Flush Flow	**- gpm**	- *psi*
Pump Model Number	**ORENCO PF1005**	
Voltz / Hp / phase	**0.5 HP**	

* Note: Pump capacity flow assumes flow in dripline does not change during a dose cycle. With Wasteflow C
For more accurate flows please see Geoflow's **Flushing worksheet**.

If you need assistance designing for this additional flow, please

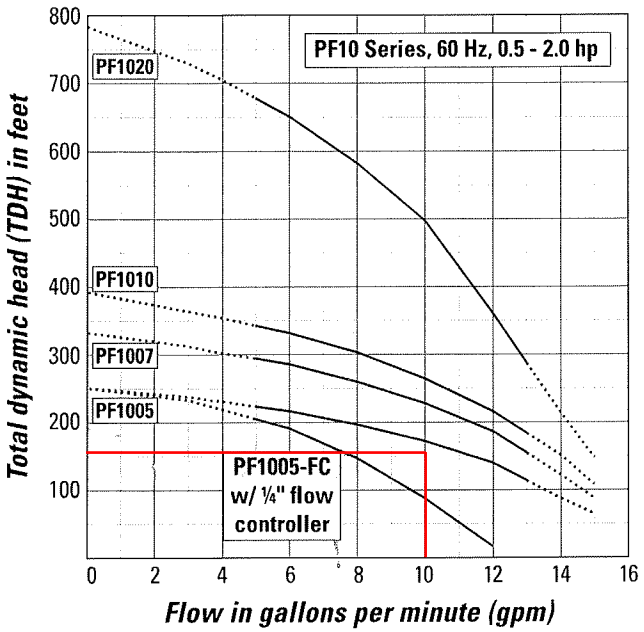
a. See Geoflow flushing worksheet or

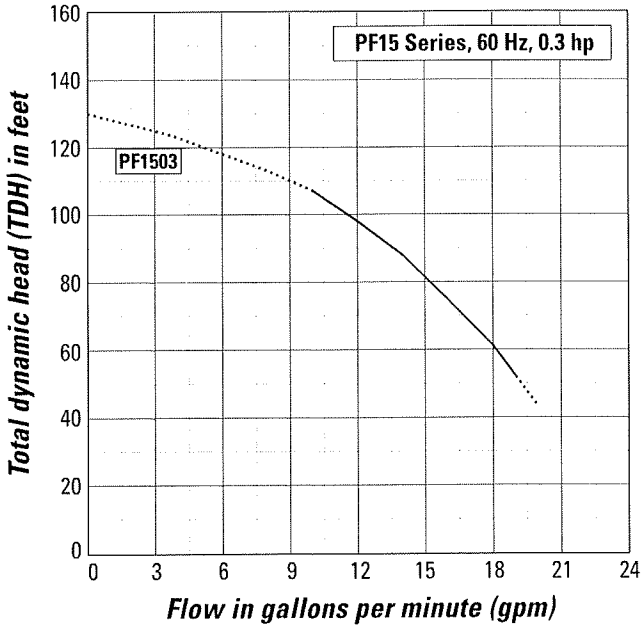
b. Contact Geoflow at 800-828-3388.

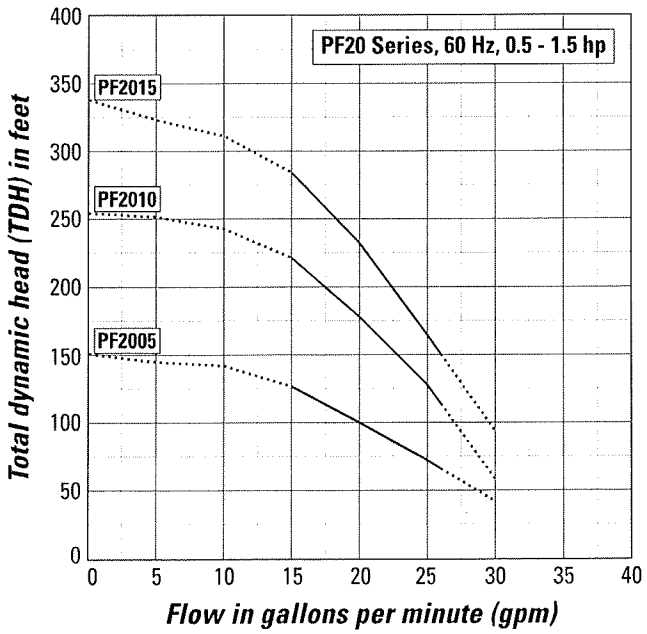
Using a Pump Curve

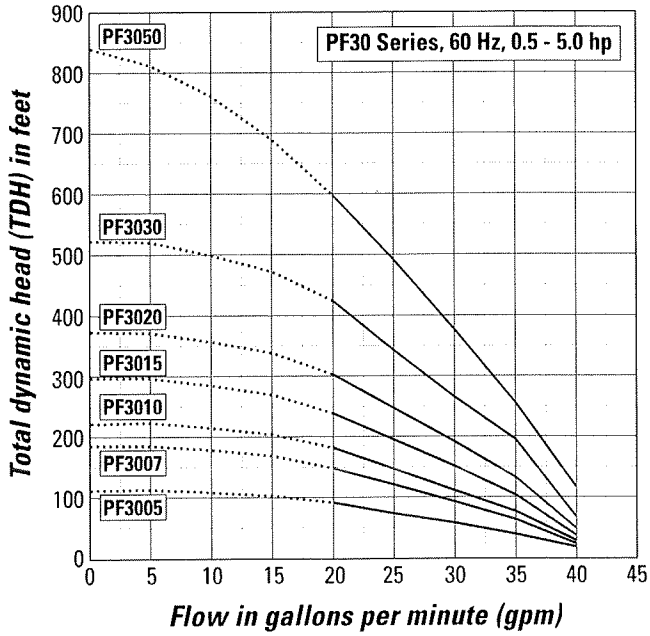
A *pump curve* helps you determine the best pump for your system. Pump curves show the relationship between flow and pressure (total dynamic head, or TDH), providing a graphical representation of a pump's optimal performance range. Pumps perform best at their nominal flow rate. These graphs show optimal pump operation ranges with a solid line and show flow rates outside of these ranges with a dashed line. For the most accurate pump specification, use Orenco's PumpSelect™ software.

Pump Curves









Orenco Systems® Inc. , 814 Airway Ave., Sutherlin, OR 97479 USA • 800-348-9843 • 541-459-4449 • www.orenco.com

Attachment B – Soil Testing Reports

HC 81914

REQUEST FOR SERVICE

County of Sonoma
Permit And Resource Management Department
Well & Septic Section
2550 Ventura Avenue, Santa Rosa, CA 95403 (707) 565-1900

Location Address: 3210 W Dry Creek	City, Zip
Owner/Facility Name: Button	Assessor's Parcel #: 90-140-038
Address of Owner	City, State, Zip
Person Requesting Service: FRANK DONO, REHS #3912 Environmental Health Specialist	Phone
Address of Person Requesting Service: Postal Box 604 GRATON, CALIFORNIA 95444	City, State, Zip: (707) 829-7508
Description: pre-perc	
	By

Date 6-29-04
Permit # SW04-1126

EHS _____ Dist # _____

Category _____ Priority _____

Classification:
A. Complaint
B. Site Review
C. Plan Check
D. Recheck/Reinspection
E. Vesting
F. _____

Disposition:
1. Service Completed
2. Follow Up
3. Referral
4. Referral Completed
5. Enforcement
6. No Violation
7. No Action

Report of Investigation

Soil profiles on steep sloping wooded site revealed suitable conditions to test for 48" shallow sloping system.

pro topo, proof of H_2O reqrd..

For office use

PAYMENT REC'D
$
JUN 29 2004
PERMIT AND RESOURCE MANAGEMENT DEPARTMENT COUNTY OF SONOMA

D DONOVAN
EHS

8-4-04
Date Completed

WSS-005.cdr Rev. 3/22/96 Distribution: White-File, Canary & Pink-Applicant

MTHC 9/22/14

COUNTY OF SONOMA
PERMIT AND RESOURCE MANAGEMENT DEPARTMENT

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

Subject: **Soils Evaluation for On-Site Sewage Disposal Purposes**

F Bono
Bx 604
Grq 95447

Date: 9-17-04

3210 W Dr Cr
Site Address:

Assessor's Parcel Number

Property Owner:

Sev04-1358
Site I.D. #:

Subdivision #

Lot #:

Your soils evaluation for the subject property has been reviewed and filed. Review of the data indicates potential for the following type of sewage disposal system:

48 shallow sloping 60' per br..

sized at:

☑ Design by a Registered Environmental Health Specialist or Registered Civil Engineer is required.

☑ Complete topographic map of site is necessary.

☑ The following critical design elements need to be observed. Final approval cannot be given until these have been addressed:

Proof of H2O

The sewage disposal capability of the site is dependent upon topography and setbacks. The acceptable sewage discharge volume (i.e., number of bedrooms in a dwelling) will be based upon the final sewage disposal system design.

Construction of the septic system cannot occur until plans have been approved and a permit has been issued by our office. **All septic systems must comply with standards in effect at the time of permit application.**

For further information, please feel free to contact the undersigned at (707) 565-1676 between 7:30 & 9:00 a.m.

Very truly yours,

D DONAVAN
District Environmental Health Specialist

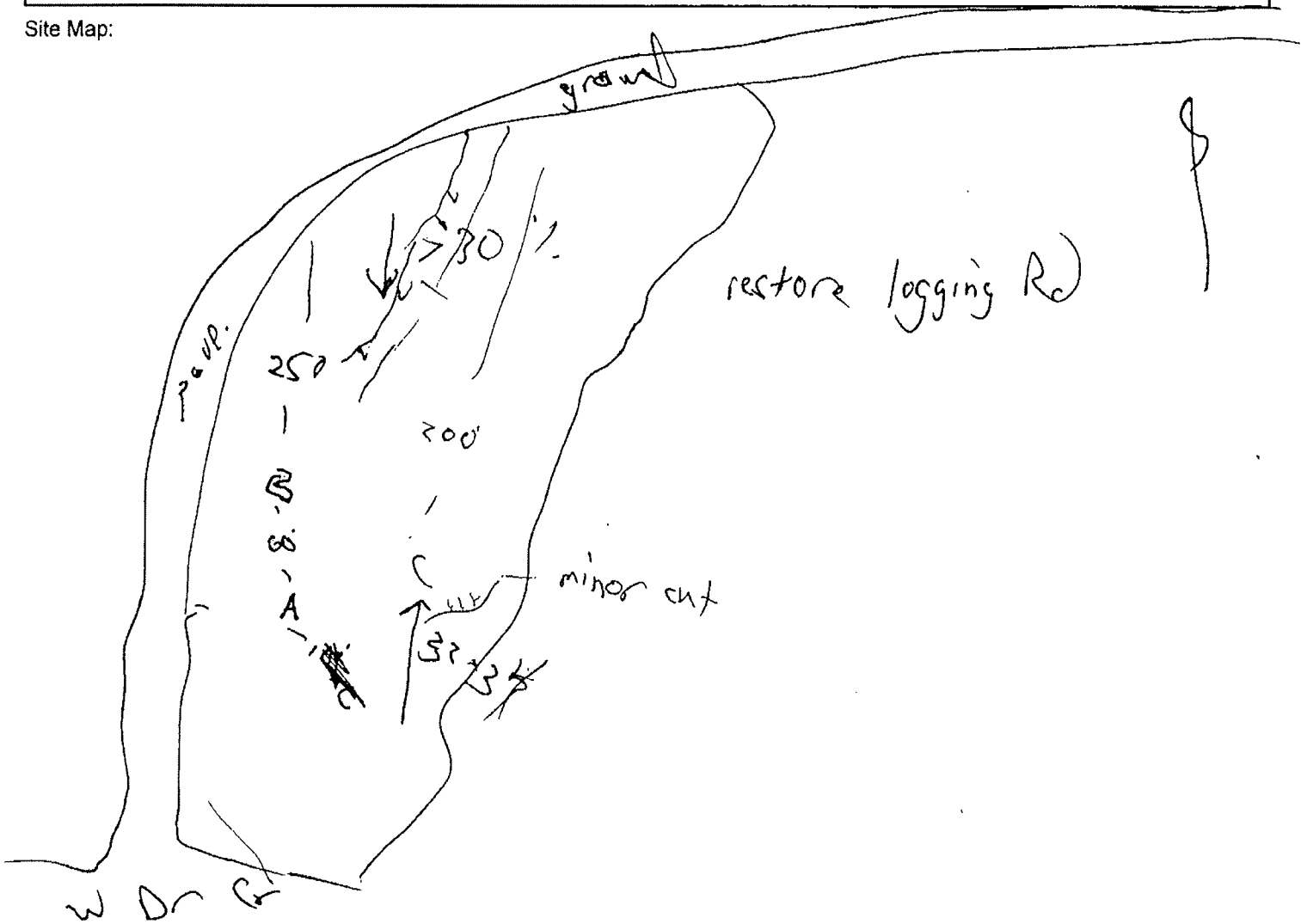
PERMIT AND RESOURCE MANAGEMENT DEPARTMENT

2550 Ventura Avenue, Santa Rosa, CA 95403 - (707) 527-1900

Pre-Perc Field Notes

Address: 3210 W Dr Cr	Pre-Perc date: 7.28.04 Time: 1118
AP#	Site Review by:
Test conducted by:	Subdivision: Yes ☐ No ☐ Initial ☐ Supp. ☐
Test verified by: F Dong	Water availability zone:
Special standards area:	SCS soil type:
Topography: Ridge ☒ Slope ☒ Saddle ☐ Basin ☐	Convex ☐ Planar ☒ Concave ☐
Setbacks: Cutbank/grade break ☒ Wells ☐ Springs ☐ Streams ☐ Ponds ☐ Drainage ☐	
Areas of concern: Trees ☐ Drainage ☐ Geology report ☐ Rock outcrops ☐ % Rock: GW ☐	
Hydrometer test: Yes ☐ No ☐ Depth(s): Bulk density: Yes ☐ No ☐ Depth:	
Wet-weather perc required: Yes ☐ No ☒ Wet-weather groundwater required: Yes ☐ No ☒	
Subsoil perc depth(s): Pump System: Yes ☐ No ☐ Perc depth(s):	
Type of system: STD SS Eng. Design ☐ Topographic map req. ☒ Geology report req. ☐	
Comments:	

Site Map:



Profile: A	Average Ground Slope: 22 - 27							
Depth	Munsell Color	% Rock	Texture	Structure	Consistency	Moist	Pores	Roots
32	BA	<5	L	B	Fr	Dr	Excl	V Many
99	red	"	CL	AB	Fr	"	com	few med (to 80)

Mottling: Ø Reduction ☐ Oxidation ☐ Depth to groundwater: Perc depth: 48

Other: STD OK

Profile: B C	Average Ground Slope: 27 - 28							
Depth	Munsell Color	% Rock	Texture	Structure	Consistency	Moist	Pores	Roots
48	similar							
99					F	Smear		

Mottling: Ø Reduction ☐ Oxidation ☐ Depth to groundwater: Perc depth: 48

Other: OK SS

Profile:	Average Ground Slope:							
Depth	Munsell Color	% Rock	Texture	Structure	Consistency	Moist	Pores	Roots

Mottling: Reduction ☐ Oxidation ☐ Depth to groundwater: Perc depth:

Other:

Abbreviations:

USDA Texture: Gravel=G, Sand=S, Loamy Sand=LS, Sandy Loam=SL, Sandy Clay Loam=SCL, Sandy Clay=SC, Silt Loam=SiL, Loam=L, Clay Loam=CL, Silty Clay Loam=SiCL, Clay=C

Structure: Granular=G, Platy=p, Blocky=B, Prismatic=Pr, Massive=M, Columnar=C

Consistency: Loose=L, Very Friable=VFr, Friable=Fr, Firm= F, Very Firm=VF, Extremely Firm=EF, Solid (BH refusal)=S

Moisture: Dry=Dr, Damp=D, Very Damp=VD, Saturated=S, Seepage=Se

FRANK DONO

Environmental Health Specialist

R.E.H.S. #3912

September 6, 2004

SONOMA COUNTY PERMIT AND RESOURCE MGT
2550 VENTURA AV.
SANTA ROSA, CA 95403

ATTN: D. DONAVAN;

RE: **3210 W. DRY CREEK**
AP # 090-140-038
PERC TESTING

Dear Dave;

The attached data is the results of soils percolation testing on the subject parcel, for the proposed development, performed on 8/27/04. Soil profile hole descriptions and site and system layout sketch are also included.

Adequate pre-soak was performed; the test was set up and run in accordance with Sonoma County standards; I personally observed the site and portions of the testing, which is a true and accurate indication of the suitability of the site for the installation of a sewage disposal system.

The testing indicates that the site is suitable for the installation of a STANDARD system in the area of holes 1-4 tested, and a SHALLOW SLOPING in the area of holes 5-12, with an average perc rate of 19 mpi at 48". The site slopes from 10% to 30%, and the system must maintain a 50' setback from drainage ditches and 100' setback from wells.

I recommend the installation of a REHS or RCE designed STANDARD system in the area of holes 1-4 tested, and a SHALLOW SLOPING in the area of holes 5-12, at 74 LF/bed [60 fl/bed low flow and Shallow Sloping] in a 48" trench with 24" rock below. There appears to be adequate room for a 4-5 bedroom system for the proposal, with the required expansion, depending on topo constraints, well setbacks, and property line setbacks. The system must maintain a 50' setback from drainage ditches and steep slopes, and 100' setback from existing and proposed wells. The logging road needs to be restored to native slopes and contours, and an intercept drain is required above the system.

Please contact me if you have any questions, and I look forward to your review and approval.

Sincerely,

Frank Dono, REHS
cc. owner

RECEIVED
SEP - 8 2004
PERMIT AND RESOURCE MANAGEMENT DEPARTMENT
SANTA ROSA

SONOMA COUNTY PERMIT & RESOURCE MANAGEMENT DEPARTMENT
WELL & SEPTIC DIVISION
2550 VENTURA AVENUE SANTA ROSA CA 95403

SOIL PERCOLATION TEST DATA

Address of Percolation Test: 3210 W. Dry Creek	A.P. Number: 90-140-038	Winter Groundwater Test:	"Wet Weather Perc":
Owner's Name: Burton		Field Check: Yes No By: Date: Time:	
Owner's Mailing Address: 814 Benjamin Way		Review of Data: Rates Acceptable: Yes No	
City/State/Zip Code: Healdsburg	Telephone Number: ( )	Remarks:	Receipt Information:
Water Supply: Private Public	Lot or Parcel Size:		
Test Conducted By: Frank Dow Perc	Telephone Number: (707) 829-7808		
Address/City/State/Zip Code: P.O. Box 604 Graton 95444			
Type of Soil:	Date of Test: 8/27/04	Circle One: Initial Test Supplemental	Sanitarian

Hole No.	Depth of Hole	Pipe Length	Presoak Remaining	Start Time	Start Inches	First Measurement Time	First Measurement Inches	Second Measurement Time	Second Measurement Inches	Third Measurement Time	Third Measurement Inches	Fourth Measurement Time	Fourth Measurement Inches	Fifth Measurement Time	Fifth Measurement Inches	Sixth Measurement Time	Sixth Measurement Inches	RATE
1	36	46	0	9:00	28	10:00	35 3/8	11:00	38 3/8 /hr	12:00	35 5/8	1:00	38 /hr	2:00	35	3:00	38	21
2	48	60	0		48		57 1/4		Drill /hr		56 1/4		59 1/2 /hr		55 3/4		58 3/4	20
3	36	40	0		28		Dry		SEE		PAGE		2		10 min		TESTS	5 1
4	48	60	0		48		53 3/8		55 5/8		57 3/8		58 1/8 /hr		53 5/8		55 1/4	4 0
5	36	40	0		28		Dry		SEE		PAGE 2							8
6	36	40	0		28		"			"		"			"	"	"	8
7	36	40	0		28		36 1/2		38 3/8 /hr		35 7/8		37 1/4		38 3/8 /hr		36 1/8	37
8	36	40	0		28		Dry				SEE		10		MIN		TESTS	9
9	48	60	0		48		"				"		"		"		"	8
10	36	40	0		28		"				"		"		"		"	7
11	36	40	0		28		37 1/4		39 1/2 /hr		36 1/8		38 1/2 /hr		36 1/2		39	27
12	48	60	0		48		57 1/8		Drill /hr		56 3/8		59 /hr		56 3/8		58 3/8	30

av @ 36" & 48"

19 mpi 1-1/8 land @ 74 C$/unit (60 LF)
48" w/ 24" rock
$-12 SHALLOW @ 60 C$/unit

Address SOIL PERCOLATION TEST DATA Page

Hole Number	Depth of Hole	Pipe Length	Present Remaining	Start Time	Start Inches	First Measurement Time	First Measurement Inches	Second Measurement Time	Second Measurement Inches	Third Measurement Time	Third Measurement Inches	Fourth Measurement Time	Fourth Measurement Inches	Fifth Measurement Time	Fifth Measurement Inches	Next Measurement Time	Next Measurement Inches	Fall
3	36	40	0	10:30	28	10:40	Dry/FF	10:55	Dry/FF	11:00	Dry/FF	11:10	Dry/FF	11:20	Dry/FF	11:30	57 7/8	
				11:44		11:40	Dry/FF	11:50	Dry/FF	12:00	37 1/8	12:10	Dry/FF	12:20	36 5/8	12:30	Dry	
5	36	40	0	10:30	28		37 1/8	3	38 1/8/FF		36 3/4		37 3/8		38 3/4/FF		36 5/8	
							37 5/8		38 1/2/FF		36 5/8		37 3/4		38 5/8/FF		36 1/8	
4	36	40	0	10:30	28		35 1/2		36 3/4		37 5/8		38 1/8/FF		34 7/8		36 3/4	
							37 1/8		38 1/4/FF		34 5/8		36		37 1/8		38	
8	36	40	0		28		32 1/2		38 1/2/FF		37		38 1/4/FF		36 3/8		38/FF	
							36 5/8		37 3/8		39/FF		36 1/2		32 1/4		38 5/8	
9	48	60	0		48		46 1/2		48/FF		46 1/8		47 3/8		Dry/FF		46 1/8	
							47 3/8		48 5/8/FF		46		47 1/4		48 1/4/FF		46 1/4	
10	36	40	0		28		37 1/2		39 1/4/FF		36 3/4		38 1/8/FF		36 1/4		38 1/2/FF	
							36 1/8		38 3/8/FF		36		38/FF		35 3/4		38	

SOILS PROFILE LOG

3210 W. DRY CREEK
AP # 090-140-038

7/28/04

FELTA loam (FtA) pg 36

HOLE A

0-32	brown (5 YR 4/3) loam, v. friable, blocky, dry, moderate structure, exc. roots and pores, 5% rock
32-99	brown (5 YR 5/4) clay loam, friable, blocky, dry, moderate structure, some med. and small roots, common pores, 10% grav.

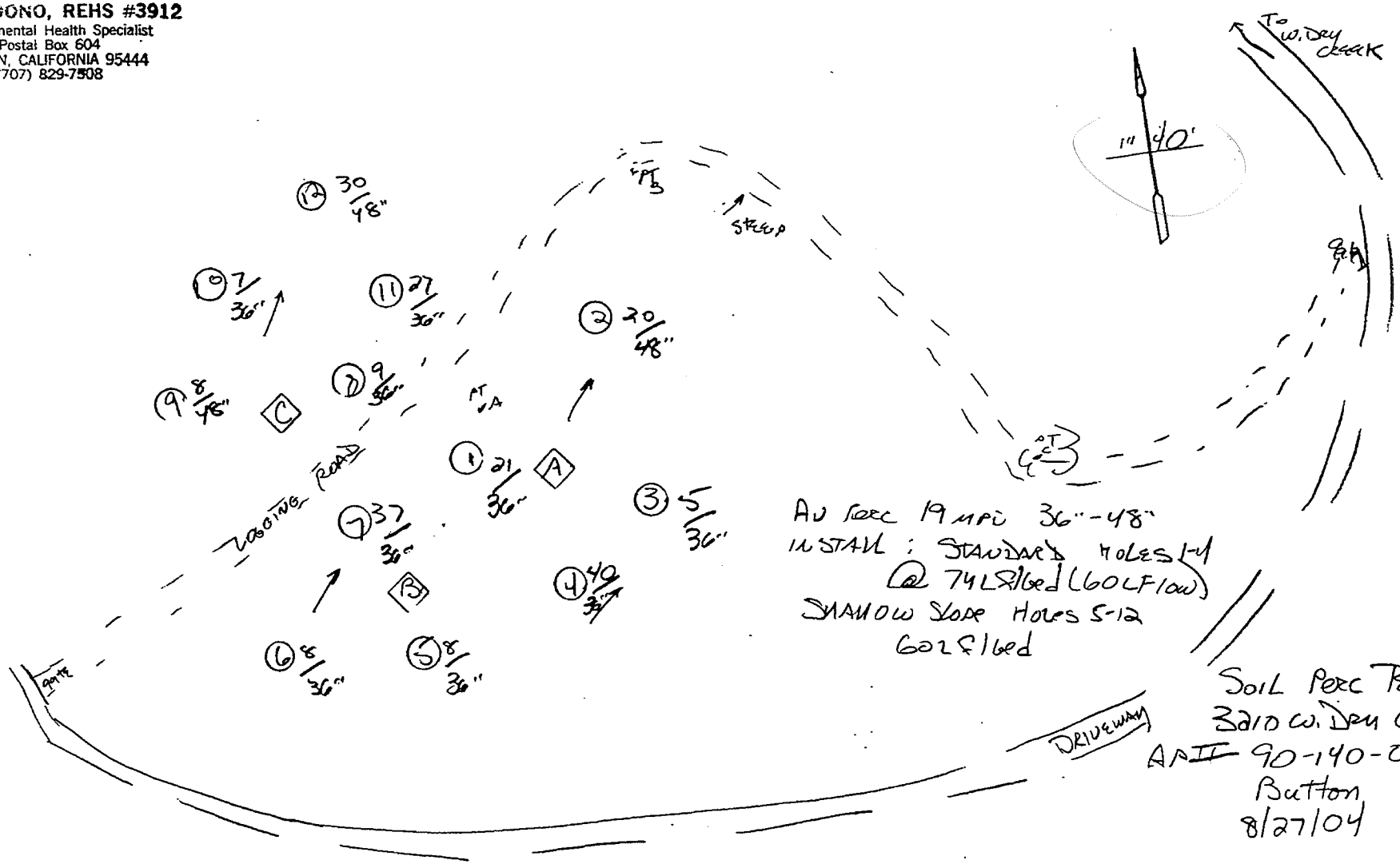
HOLE B

0-48	brown (5 YR 4/3) loam, v. friable, blocky, dry, moderate structure, exc. roots and pores, 5% rock
48-99	brown (5 YR 5/4) clay loam, firm, blocky, dry, moderate structure, few small roots, common pores, 10% grav.

HOLE C

0-48	brown (5 YR 4/3) loam, v. friable, blocky, dry, moderate structure, exc. roots and pores, 5% rock
48-99	brown (5 YR 5/4) clay loam, firm, blocky, dry, moderate structure, few small roots, some pores, 10% grav.

FRANK DONO, REHS #3912
Environmental Health Specialist
Postal Box 604
GRATON, CALIFORNIA 95444
(707) 829-7508



AU PERC 19 MPI 36"-48"
INSTALL: STANDARD HOLES 1-4
@ 7" GRAVEL (GOOD FLOW)
SHALLOW SLOPE HOLES 5-12
GOOD FLOW

SOIL PERC TEST
3210 W. DRY CREEK
APN 90-140-038
Button
8/27/04

Attachment C – Parcel Info

RECORDING REQUESTED BY
First American Title Company

MAIL TAX STATEMENT
AND WHEN RECORDED MAIL DOCUMENT TO:
Murray Dalrymple Living Trust

2015096425

Official Records Of Sonoma County
William F. Rousseau
11/06/2015 08:41 AM
FIRST AMERICAN TITLE CO.

DEED 2 Pgs

Fee: $26.00
County Tax: $1,320.00

Space Above This Line for Recorder's Use Only

A.P.N.: 090-140-038

File No.: 4905-4979548 (DJM)

GRANT DEED

The Undersigned Grantor(s) Declare(s): DOCUMENTARY TRANSFER TAX **$1,320.00**; CITY TRANSFER TAX $;
SURVEY MONUMENT FEE $

[**XXX**] computed on the consideration or full value of property conveyed, OR

[ ] computed on the consideration or full value less value of liens and/or encumbrances remaining at time of sale,

[**XXX**] unincorporated area; [ ] City of **Healdsburg**, and

FOR A VALUABLE CONSIDERATION, receipt of which is hereby acknowledged, **Robert Jon Pell and Virginia Lucy Pell, Trustees of the Pell Family Trust, Dated April 27, 2011**

hereby GRANTS to **Richard Murray and Stacie A. Dalrymple, Trustees of the Murray Dalrymple Living Trust Dated December 17, 1999**

the following described property in the unincorporated area of the County of **Sonoma**, State of **California**:

PARCEL ONE:

PARCEL 1, AS SHOWN ON PARCEL MAP NO. 3526, FILED FOR RECORD IN THE OFFICE OF THE COUNTY RECORDER ON NOVEMBER 9, 1972 IN BOOK 182 OF MAPS, PAGE 4, SERIAL NO. N-3014.

PARCEL TWO:

AN EASEMENT FOR ROAD AND UTILITY PURPOSES 35 FEET IN WIDTH LYING GENERALLY SOUTHERLY AND EASTERLY OF THE SOUTHERLY AND EASTERLY BOUNDARY LINE OF PARCEL 1, HEREINABOVE DESCRIBED AS GRANTED IN THE DEED TO VICTOR A. OLIVIER AND OTHERS, RECORDED JULY 24, 1970 IN BOOK 2474 OF OFFICIAL RECORDS, PAGE 652, SERIAL NO. L-72045.

AMENDED PURSUANT TO THAT CERTAIN CERTIFICATE OF CORRECTION RECORDED FEB 10, 2010 AS INSTRUMENT NO. 11135 OF OFFICIAL RECORDS.

Mail Tax Statements To: **SAME AS ABOVE**

Grant Deed - continued

Date: **10/29/2015**

A.P.N.: 090-140-038

File No.: 4905-4979548 (DJM)

Dated: October 29, 2015

Robert Jon Pell and Virginia Lucy Pell, Trustees of the Pell Family Trust, Dated April 27, 2011

Trustee

Robert Jon Pell, Trustee

Trustee

Virginia Lucy Pell, Trustee

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF California)SS

COUNTY OF Alameda)

On October 30, 2015 before me, Lilian Cabrera, Notary Public, personally appeared Robert Jon Pell and Virginia Lucy Pell

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature

This area for official notarial seal.

LILIAN CABRERA
Commission # 2103197
Notary Public - California
Alameda County
My Comm. Expires Apr 11, 2019

COUNTY ASSESSOR'S PARCEL MAP TAX RATE AREA 97-008. 97-016

90-14

NOTE -
Right-of-Way description for West Dry Creek Road in BD 50, Pg 524 and BD 192, Pg. 526 does not conform to parcels described as fronting on the road.

SCALE: 1"=400'

REVISED
01-17-78=45
02-28-79=46
11-19-81=R/S
02-08-01=Tie Line LSL
09-23-05=R/S LW
03-10-10=R/S RL

Assessor's Map Bk. 090, Pg. 14
Sonoma County, Calif. (ACAD)
HYBRID 3/10/10 RL

NOTE: This map was prepared for Assessment purposes only and does not indicate either parcel legality or a valid building site. No liability is assumed for the accuracy of the data delineated. The acreages are based on the information supplied to the Assessor (i.e. recorded survey maps recorded deeds, prior assessment maps, etc.)

NOTE: Assessor's parcels do not necessarily constitute legal lots. To verify legal parcel status, check with the appropriate city or county community development or planning division.

59

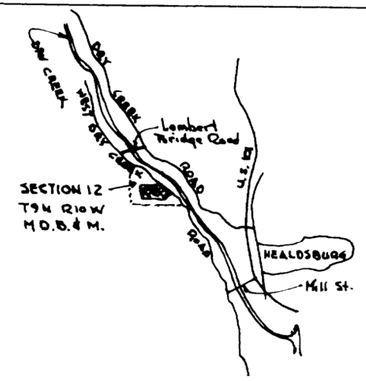
182

4

SURVEYOR'S CERTIFICATE

This map was prepared by me or under my direction and was compiled from record data in conformance with the requirements of the Subdivision Map Act at the request of William Wheeler in October, 1972. I hereby certify that it [illegible] the approved tentative map and the conditions of approval thereof; that [illegible] applicable state law and local ordinances have been complied with.

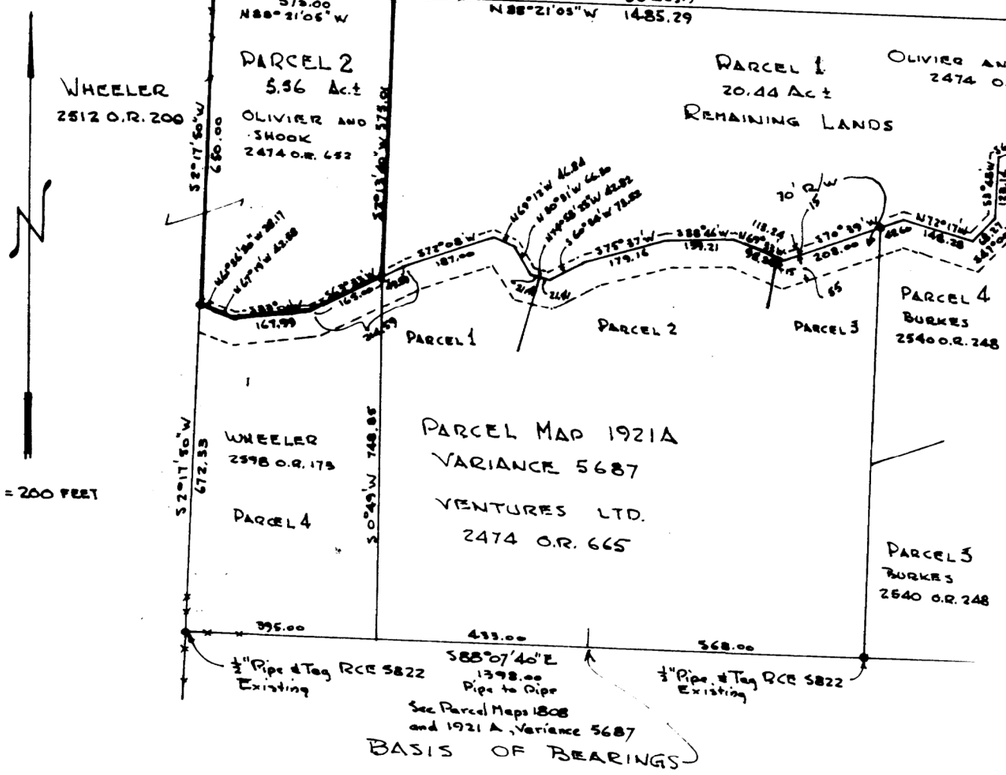
Albert E. Borgward RCE. N° 5822



SITE MAP

REFERENCE DRAWINGS

PARCEL MAP 1808 Book 144 MAPS, PAGE 32
PARCEL MAP 1921A, VARIANCE 5687, Book 164 Maps, Page 30
PARCEL MAP 2372 Book 158 MAPS, PAGE 10



COUNTY SURVEYOR'S CERTIFICATE

This map has been examined this 9th day of November, 1972 for conformance with the requirements of Section 11575 of the Subdivision Map Act.

DONALD B. HERD
County Surveyor

Deputy Surveyor

RECORDER'S CERTIFICATE

Filed for record this 9 day of November, 1972, at 2:50 P m. in Book 182 of Maps at page 4, at the request of the County Surveyor.

Herb Snyder, Jr.
County Recorder

By: Rosalyn Cates
Deputy Recorder

N 3014
Fee: $5.00

PARCEL MAP NUMBER 3526

LANDS OF OLIVIER AND SHOOK
2474 O.R. 652
IN SECTION 12 T9N R10W
M.D.B. & M.
SONOMA COUNTY, CALIFORNIA

AP 90-14