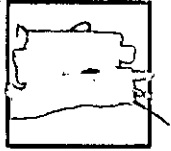




Type



Plans

8ENV95-1424

Permit Number

34500

Street Number

ANNAPOLIS RD.

Street Name

ANN

Community Code

123-010-020

APN

- mailed 5-8-96



COUNTY OF SONOMA PERMIT AND RESOURCE MANAGEMENT DEPARTMENT

2550 Ventura Avenue, Santa Rosa, CA 95403
(707) 527-1900 FAX (707) 527-1103

Field Operations • Code Enforcement • Permits • Environmental & Comprehensive Planning

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

H-E Huffman Eng.
876 Gravenstein Hwy So
Seb 95472

Date: 5-8-96

34500 Annapolis RD
Site Address:

123-010-29 E 26
Assessor's Parcel Number

Starcross
Property Owner:

Sev 95-1424
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:

shallow sloping area A - 129' per br > 12% slope
Mound area B, E, F. sized at: 1.143 g/ft²/d area B
0.671 " " " area E, F.

- 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:

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) 527-1676 between 7:30 & 9:00 a.m.

Very truly yours,

D M DONOVAN
District Environmental Health Specialist

tu - fri

COUNTY OF SONOMA

PERMIT AND RESOURCE MANAGEMENT DEPARTMENT

2550 Ventura Avenue, Santa Rosa, CA

(707) 527-1900

FAX (707) 527-1103

PERC DATA REVIEW

Site Address	Site Evaluation #: SEV95-1424
34500 ANNAPOLIS RD ANN	Parcel No: 123-040-026
Owner	Status: APPLIED
STARCROSS MONASTIC COMMUNITY STARCROSS ANNAPOLIS CA 95412	Issued: Expires:
Applicant	Engineer
CANELIS & MERCIECA PO BOX 186 CAZADERO CA 955421	
	Contractor

Description: PERC TEST

SITE EVALUATIONS FEE SUMMARY

Item Account Code	Description	Fee	Prev. Paid
025825-1342	SITE INSPECTION/PRE PERC	\$.00	\$.00
025825-1342	PERC DATA REVIEW	\$293.00	\$.00
025825-1342	WET WEATHER GRNDWAT INSP	\$.00	\$.00
025825-1342	FIELD CLEARANCE	\$.00	\$.00
025825-1342	FINDINGS REPORTS	\$.00	\$.00
025825-1342	PERC REVIEW SUBDIVISIONS	\$.00	\$.00
025825-1342	HOURLY RECHECK/REINSPECT	\$.00	\$.00
025825-1342-WAIVED	SITE INSPECTION/PRE PERC	\$.00	\$.00
025825-1342-WAIVED	PERC DATA REVIEW	\$.00	\$.00
025825-1342-WAIVED	WET WEATHER GRNDWAT INSP	\$.00	\$.00
025825-1342-WAIVED	FIELD CLEARANCE	\$.00	\$.00
025825-1342-WAIVED	FINDINGS REPORTS	\$.00	\$.00
025825-1342-WAIVED	PERC REVIEW SUBDIVISIONS	\$.00	\$.00
025825-1342-WAIVED	HOURLY RECHECK/REINSPECT	\$.00	\$.00
	-----	\$293.00	\$.00
	Total Calculated Fees	\$293.00	
	Total Additional Fees	\$.00	
	Previously Paid	\$.00	
	-----	\$293.00	
	Balance Due	\$293.00	

02524 11/01/9500
 CASH REGISTER
 # VALIDATION
 SIERRA REQUIRED
 TTL BELOW
 CHECK \$293.00
 CHNG \$0.00



COUNTY OF SONOMA
DEPARTMENT OF HEALTH SERVICES

Environmental Health Division

NOTIFICATION TO PERFORM SOIL PERCOLATION TEST

Site I.D. Number: _____

Address 34500 ANNAPOLIS RD.
ANNAPOLIS CA. 95412

A.P. No. 123-040-26

Property owner STARCROSS Address 34500 ANNAPOLIS RD.
ANNAPOLIS CA. 95412

Test conducted by BOHAN & CANELLS Certified by ROB HUFFMAN

Water Supply-Private Public _____

Land Division Yes _____ No _____

Planning Application type/file No. _____

Minor or Major Subdivision No. _____

If for a proposed Subdivision, supply: Lot No. _____ Subdivision Name _____

Wet weather test Yes _____ No _____

Wet weather ground water determination

Yes _____ No _____

Note: Percolation test shall be completed within 120 days.
See Section 13-C of Sonoma County Percolation Test Methods for Proper Notification.

Plot plans must be attached showing area to be tested in relationship to property features, as well as a map showing location of the test site.

PLEASE NOTE: INCOMPLETE APPLICATIONS WILL NOT BE ACCEPTED

Distribution: White-Sanitarian/Canary-Perc Tester/Pink-Environmental Health file

LU0036 (Rev. 4/92)

**SONOMA COUNTY
PERMIT & RESOURCE MANAGEMENT
WELL & SEPTIC DIVISION
2550 Ventura Avenue
Santa Rosa, CA 95403**

SOIL PERCOLATION TEST DATA

Address of Percolation Test: 34500 ANNAPOLIS RD.		A.P. Number: 123-010-29	Winter Groundwater Test:	"Wet Weather Perc":
Owner's Name: STARCROSS		Field Check: Yes No		By:
Owner's Mailing Address: 34500 ANNAPOLIS RD.		Date:		Time:
City/State/Zip Code: ANNAPOLIS CA 95412		Telephone Number: (707) 886-1919	Review of Data: Rates Acceptable: Yes No	Receipt Information:
Water Supply: Private Public	Lot or Parcel Size: 56.51 AC		Remarks:	Receipt Information:
Test Conducted By: BOHAN & CANELIS	Telephone Number: (707) 632-5708			
Address/City/State/Zip Code: 600 AUSTIN CREEK RD. CAZADERO CA. 95421				
Type of Soil: HKG KUCO SERIES	Date of Test: 11-17-95		Circle One: Initial Test Supplemental	Sanitarian

Hole No.	Depth of Hole	Pipe Length Presoak Remaining	Start		First Measurement		Second Measurement		Third Measurement		Fourth Measurement		Fifth Measurement		Sixth Measurement		RATE
			Time	Inches	Time	Inches	Time	Inches	Time	Inches	Time	Inches	Time	Inches			
— OVER —																	

Hole Number	Depth of Hole	Pipe Length	Presoak Remaining	Start		First Measurement		Second Measurement		Third Measurement		Fourth Measurement		Fifth Measurement		Sixth Measurement		RATE
				Time	Inches	Time	Inches	Time	Inches	Time	Inches	Time	Inches	Time	Inches	Time	Inches	
1	36	24	0	8 ¹⁵	12	9 ¹⁵	18 ^{3/4}	10 ⁵	21 ^{3/8}	11 ¹⁵	23 ^{1/2} 12	12 ¹⁵	18	1 ¹⁵	20 ^{3/4}	2 ¹⁵	22 ^{7/8}	32
2	36	46	0	1	33		37 ^{3/4}		40 ^{1/4}		42 ^{1/4}		44 ^{1/4} 34		37 ^{1/8}		39 ^{5/8}	30
3	36	28	0		16		21 ^{1/2}		23 ^{5/8}		25		26 ^{1/4} 16		20 ^{1/2}		22 ^{1/2}	48
4	36	21	0		9		17 ^{3/4}		TRACE 9		16 ^{1/2}		19 ^{3/4} 9		16 ^{1/2}		19 ^{3/4}	18
5	24	41	0		29		TRACE 29		T/29		T/30		T/29		T/29		TRACE	5
6	24	31	0		20		27 ^{3/4}		30/20		26 ^{1/2}		29 ^{1/4} 20		26 ^{3/8}		29	23
7	24	52	0		40		50/40		49		51/40		48 ^{7/8}		50 ^{7/8} 40		48 ^{1/2}	30
8	24	102	0		91		TRACE 90		T/90		T/90		T/90		T/90		TRACE	5
9	36	77	TRACE		65		69		70 ^{3/4}		72 ^{1/8}		73 ^{1/4}		74 ^{1/4}		75	30
10	36	77	0		66		72 ^{3/8}		75/66		71 ^{1/2}		74 ^{1/4}		76 ^{1/2} 66		71 ^{3/8}	27
11	36	53	4"		41		43 ^{5/8}		44 ^{1/2}		44 ^{7/8}		45 ^{1/4}		45 ^{5/8}		45 ^{7/8}	48
12	36	52	0		41		44		45 ^{1/2}		46 ^{3/4}		47 ^{1/2}		48 ^{1/4}		49	30
13	24	52	0		41		51 ^{1/2} 41		50 ^{7/8} 41		50 41		50/41		50/41		49 ^{3/4}	7
14	24	52	0		40		49 ^{1/2}		TRACE 40		48		51/40		48		51	20
15	24	52	0		41		45 ^{5/8}		47 ^{3/4}		49		50 ^{1/2} 41		45		47	48
16	24	52	0		40		50 ^{1/2} 40		49 ^{5/8}		TRACE 40		49 ^{1/4}		T/40		49	7

**SONOMA COUNTY
PERMIT & RESOURCE MANAGEMENT
WELL & SEPTIC DIVISION
2550 Ventura Avenue
Santa Rosa, CA 95403**

SOIL PERCOLATION TEST DATA

Address of Percolation Test: <i>34500 ANNAPOLIS RD</i>		A.P. Number: <i>123-010-29</i>		Winter Groundwater Test:		"Wet Weather Perc":	
Owner's Name: <i>Starcross</i>				Field Check: Yes No		By:	
				Date:		Time:	
Owner's Mailing Address: <i>34500 ANNAPOLIS RD.</i>				Review of Data:			
				Rates Acceptable: Yes No			
City/State/Zip Code: <i>ANNAPOLIS CA. 95412</i>		Telephone Number: <i>(707) 886-1919</i>		Remarks:		Receipt Information:	
Water Supply: <u>Private</u> Public		Lot or Parcel Size: <i>56.51 AC.</i>					
Test Conducted By: <i>BOHAN & CANELIS</i>		Telephone Number: <i>(707) 632-5708</i>					
Address/City/State/Zip Code: <i>600 AUSTIN CREEK RD. CAZADERO CA. 95421</i>							
Type of Soil: <i>HKCO HUGO SERIES</i>		Date of Test: <i>17 Nov 95</i>		Circle One <u>Initial Test</u>		Sanitarian	
				<u>Supplemental</u>			

Hole No.	Depth of Hole	Pipe Length	Psoak Remaining	Start		First Measurement		Second Measurement		Third Measurement		Fourth Measurement		Fifth Measurement		Sixth Measurement		RATE
				Time	Inches	Time	Inches	Time	Inches	Time	Inches	Time	Inches	Time	Inches	Time	Inches	
17	26	23 1/2	0	11:00	12	12:00	23 1/2	12	1:00	23 1/2								1
18	26	26	0	7	14		26	14		26								5
19	25	24	0		12		24	12		24								2 1/2
20	24	24	0		12		24	12		24								5
21	24	24	0		12		24	12		24								5
22	22	24	0		12		24	12		24								5

Hole Number	Depth of Hole	Pipe Length	Presoak Remaining	Start		First Measurement		Second Measurement		Third Measurement		Fourth Measurement		Fifth Measurement		Sixth Measurement		RATE	
				Time	Inches	Time	Inches	Time	Inches	Time	Inches	Time	Inches	Time	Inches	Time	Inches		
						10 MINUTE TEST													
17	24	23 1/2	0	1:00	11 1/2	1:10	23 1/2	1:20	23 1/2	1:30	23 1/2	1:40	23 1/2	1:50	23 1/2	2:00	23 1/2		
						2:10	23 1/2	2:30	23 1/2	2:30	23 1/2	2:40	23 1/2	2:50	23 1/2	3:00	23 1/2		< 1
															5 min for 12"				
18	24	25	0		13		25		25		25		25		20		25		
							22		25		22		25		21 1/2		23 1/2		5
19	24	26	0		14		26		15		26		21		26		18 1/2		
							25		19 1/2		26		19 1/2		23 1/2		26		2 1/2
20	24	24	0		12		24		16		23		19		21 1/2		23 1/2		
							16		21 1/2		22 1/2		17		21		23		5
21	24	24	0		12		24		18		21		23		15 1/2		19		
							21		23 1/2		16		19		21		23		5
22	24	24	0		12		24		16		22		17		20		21 1/2		
							23		18		20 1/2		22 1/2		17		20		5



HUFFMAN ENGINEERING

SOIL PROFILE LOGS

DEPTH	SOIL CLASS	ROOTS	STRUCTURE	SHAPE	MOISTURE	MOTTLING	% GRAVEL	CONSISTANCY	PORES	COLOR	COMMENTS
											Canelis -- Starcrossed 11-15-95 34500 Annapolis Profile "B"
0"											24" Filled Land
1'-12"	SL			Abk	Dr	N	(5	VFr ----- Fr	Vp	10yr 3/3	
2'-24"											
28"											28" Limiting layer
3'-36"	Sc to S1			P		15%		F		10yr 6/6	
					D						
4'-48"											
54"											Bottom of excavation
5'-60"											
6'-72"											
7'-84"											
8'-96"											
9'-108"											
10'- 120"											

ABBREVIATIONS:


PORES: Cracks=C, Large Pores=LP, Medium Pores=MP, Visible Pores=VP

MOISTURE: Dry=Dr, Damp=D, Very Damp=VD, Saturated=S, Seepate=Se

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.

SHAPE: Granular=G, Platy=P, Blocky=B, Prismatic=Pr, Massive=M, Columnar=C, Weak=W, Moderate=M, Strong=S

CONSISTANCY: Loose=L, Very Friable=VFr, Friable=Fr, Firm=F, Very Firm=VF, Extremely Firm=EF, Solid=SBHR



HUFFMAN ENGINEERING

SOIL PROFILE LOGS

DEPTH	SOIL CLASS	ROOTS	STRUCTURE	SHAPE	MOISTURE	MOTTLING	% GRAVEL	CONSISTANCY	PORES	COLOR	COMMENTS
0"											Canelis -- Starcrossed 11-15-95 34500 Annapolis Rd. Profile "C"
1'-12"	L							VFr	Lp	10yr 3/3	
14"			S								
2'-24"	SC		M	Abk				Fr	Vp	10yr 6/6	
3'-36"					Dr		(5				
4'-48"						N					
50"					D			F			
5'-60"											
6'-72"											
7'-84"											
8'-96"											
9'-108"											
114"											
10'-120"			BOTTOM OF EXCAVATION								

ABBREVIATIONS:

PORES: Cracks=C, Large Pores=LP, Medium Pores=MP, Visible Pores=VP
 MOISTURE: Dry=Dr, Damp=D, Very Damp=VD, Saturated=S, Seepate=Se
 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.
 SHAPE: Granular=G, Platy=P, Blocky=B, Prismatic=Pr, Massive=M, Columnar=C, Weak=W, Moderate=M, Strong=S
 CONSISTANCY: Loose=L, Very Friable=VFr, Friable=Fr, Firm=F, Very Firm=VF, Extremely Firm=EF, Solid=SBHR

Huffman Engineering

876 Gravenstein Hwy. So., Sebastopol, CA 95472

JOB: STARCROSS
 DATE: 11-15-95
 ADDRESS: ANAPOLIS

PROFILE: D
 SLOPE: _____
 SAMPLES FROM: N/A

DEPTH (inches)	TEXTURE	ROOTS	STRUCT	SHAPE	MOISTURE	MOTTLING	GRAVEL	CONSIST	PORES	COLOR	COMMENTS
0	LM										
12									VP		14"
24	SL	C	S	BK	Dr		<5	Fr			OK FOR FILLED LAND.
36		N			D			VF	N	10YR 6/6	LIMITING COND @ 30"
48											
60											58"
72											
84											
96											
108											
120											

ABBREVIATIONS

PORES: CRACKS=C, LARGE PORES=LP,
 MEDIUM PORES=MP, VISIBLE PORES=VP

MOISTURE: DRY=Dr, DAMP=D, VERY DAMP=VD,
 SATURATED=S, SEEPATE=SE

CONSISTANCY: LOOSE=L, VERY FRIABLE=VFR,
 FRIABLE=FR, FIRM=F, VERY FIRM=VF, EXTREME-
 LY FIRM=EF, SOLID=SBHR

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

SHAPE: GRANULAR=G, PLATY=P, BLOCKY=B,
 PRISMATIC=PR, MASSIVE=M, COLUMNAR=C,
 WEAK=W, MODERATE=M, STRONG=S

ROOTS: FEW=F, COMMON=C, MANY=M

HUFFMAN ENGINEERING

SOIL PROFILE LOGS

DEPTH	SOIL CLASS	ROOTS	STRUCTURE	SHAPE	MOISTURE	MOTTLING	% GRAVEL	CONSISTANCY	PORES	COLOR	COMMENTS
0"											Profile "E"
1'-12"					Dr					7.5 yr 5/4	
2'-24"	SL						(5	Fr	Lp		
30"					D						
3'-36"	CL			*BL					Vp	5yr 5/8	
4'-48"											
5'-60"	SCL										
	SL									7.5Yr 5/6	
6'-72"											
7'-84"			M								
8'-96"											
	LS							VFR	Np	2.5Y 7/6	
9'-108"											
10'-120"											
	Bottom of Excavation										

ABBREVIATIONS:

PORES: Cracks=C, Large Pores=LP, Medium Pores=MP, Visible Pores=VP
 MOISTURE: Dry=Dr, Damp=D, Very Damp=VD, Saturated=S, Seepate=Se
 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.
 SHAPE: Granular=G, Platy=P, Blocky=B, Prismatic=Pr, Massive=M, Columnar=C, Weak=W, Moderate=M, Strong=S
 CONSISTANCY: Loose=L, Very Friable=VFr, Friable=Fr, Firm=F, Very Firm=VF, Extremely Firm=EF, Solid=SBHR