RSA+ Project Number: 4117031.0

Date: September 14, 2017

Page 1 of 5

Napa County Department of Environmental Management

SITE EVALUATION REPORT

Please attach an 8.5" x 11" plot map showing the locations of all test pits triangulated from permanent landmarks or known property corners. The map must be drawn to scale and include a North arrow, surrounding geographic and topographic features, direction and % slope, distance to drainages, water bodies, potential areas for flooding, unstable landforms, existing or proposed roads, structures, utilities, domestic water supplies, wells, ponds, existing wastewater treatment systems and facilities.

Permit #: E17-00542	
APN: 052-080-026	
(County Use Only) Reviewed by:	Date:

PLEASE PRINT OR TYPE ALL INFORMATION

Property Owner										
James Maggetti		☐ New Construction ☐ Addition ☐ Remodel ☐ Relocation								
oames Maggetti			☐ Other: Repair							
Property Owner Mailing Address 410 Stonecrest Dr.		Desidential #	of Dadrasma, 7	Danima	. Flam . O	10. and				
410 Stonecrest Dr.		Residential - # of Bedrooms: 7 Design Flow : 840 gpd								
City St										
Napa C	94558	Commercial –	☐ Commercial – Type: Winery							
Site Address/Location		Sanitary Waste:	gpd Pro	ocess Wa	aste: gpd					
410 Stonecrest Dr.		Other:								
Napa, CA		- Strion								
		Sanitary Waste gpd	e: gpd	Pr	ocess Wa	aste:				
Evaluation Conducted By: Company Name	Evaluator's Name		Cianatura (a) 11	Taraka and Bu	5110 O					
RSA ⁺	Donal O'Briain		Signature (Civil Engineer, R.E.H.S., Geologist, Soil Scientist)							
Mailing Address:			Telephone Nun	nber						
1515 Fourth Street			707-252-3301							
City	State Z	lip	Date Evaluation	. Conduc	ted					
Napa		559								
Primary Area		Expansion Are	<u>.</u> 2 <u>a</u>		4					
Acceptable Soil Depth: 44 in. Test	it #'s: 9	Acceptable Soil Depth: 32 Test pit #'s: 6								
Soil Application Rate (gal. /sq. ft. /day):	0.6	Soil Application Rate (gal. /sq. ft. /day): 0.6								
System Type(s) Recommended: Subs	ırface drip with pretreatment	System Type(s) Re	commended:							
Slope: 25 % Distance to nearest water	source: >100'	Slope: 20% Dista	ance to nearest wa	ater sour	ce:					
Hydrometer test performed?	o ⊠ Yes □ (attach results)	Hydrometer test pe	rformed?	No 🛛	Yes 🗌	(attach results)				
Bulk Density test performed?	o ⊠ Yes □ (attach results)	Bulk Density test pe	erformed?	No 🛛	Yes 🗌	(attach results)				
Percolation test performed?	o ⊠ Yes □ (attach results)	Percolation test per	formed?	No 🛛	Yes 🗌	(attach results)				
Groundwater Monitoring Performed? N	o ☑ Yes ☐ (attach results)	Groundwater Monitoring Performed? No ⊠ Yes ☐ (attach results)								
Site constraints/Recommendations:										
Site is an existing 5-bedroom re										
subsurface drip with pretreatment pretreatment. Existing site can										
pretreatment. Existing site can	serve up to a 4-bedroom sy	stem with 1,200 sf	primary syster	m to be	located	l over Pit #9,				

2,400 sf reserve to be located over Pit #6. Lines to be spaced at 3' due to slopes of greater than 20%. No other areas outside well, building, property line, driveway or slope setbacks had suitable soil for wastewater dispersal.

RSA+ Pl Date: Se Page 2 d	eptember	mber: 4117 14, 2017	031.0								
Γest Pit #	1										
			T			Consistence					
X = Limiting Horizon	Horizon Depth (Inches)	Boundary	%Rock	Texture	Structure (Grade / Shape)	Side Wall	Ped	Wet	Pores (QTY / Size)	Roots (QTY / Size)	Mottling (QTY / Size/ Contrast)
Х	6		>50%					iv)			
Х	6-20	×		ē							
							8)			п	
				0							4
										e e	
Notes: La	arge rocks r	l near surface. H	lardpan at 2	20". Pit no g	lood.	l				8	
est Pit #	2		н								
						С	onsisten	ice		275	
X = Limiting Horizon	Horizon Depth (Inches)	Boundary	%Rock	Texture	Structure (Grade / Shape)	Side Wall	Ped	Wet	Pores (QTY / Size)	Roots (QTY / Size)	Mottling (QTY / Size/ Contrast)
Χ	18"		>50%								
			5							,	¥
2	,										

Test Pit # 3

Notes: Boulder on east side of pit, hardpan at 18". Pit no good.

			0/ D I	Texture Structure (Grade / Shape)	Structure	C	onsister	ice	_		
X = Limiting Horizon	Horizon Depth (Inches)	Boundary	%Rock		Side Wall	Ped	Wet	Pores (QTY / Size)	Roots (QTY / Size)	Mottling (QTY / Size/ Contrast)	
Х	4"		>50%			o				ā	
										Δ A	
						24					
	8										180
											۸
Notes: Be	edrock belov	v thin layer of	topsoil. Pit	no good.							

RSA+ Project Number: 4117031.0 Date: September 14, 2017 Page 3 of 5 Test Pit # 4 Consistence Mottling (QTY / Size/ Contrast) X = Horizon **Boundary** %Rock Texture Structure **Pores** Roots Ped Wet Side Limiting (Grade / Shape) (QTY / Size) (QTY / Size) Depth Wall Horizon (Inches) X >50% Notes: Excessive rock near surface. Pit no good. Test Pit # 5 Consistence X = Boundary %Rock **Texture** Structure Horizon **Pores** Roots Mottling Wet Side Ped Limiting Depth (Grade / (QTY / Size) (QTY / Size) (QTY / Size/ Wall Shape) Horizon Contrast) (Inches) 16" >50% X

Test Pit # 6

Notes: Hardpan at 16". No good.

V	11	Davindani		Texture	Structure (Grade / Shape)	С	onsisten	ice		D	Mottling (QTY / Size/ Contrast)
X = Limiting Horizon	Horizon Depth (Inches)	Boundary	%Rock			Side Wall	Ped	Wet	Pores (QTY / Size)	Roots (QTY / Size)	
	32	С	40%	SCL	M/G	L	FRB	SS	CM	СМ	
Х											
		*									
Notes: 32	Notes: 32" of sandy clay loam. Hardpan at 32". Pit good.										

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Test Pit # 7

	v 11.		Danielania (VDanie Tantura			Consistence					
X = Limiting Horizon	Horizon Depth (Inches)	Depth '		Side Wall	Ped	Wet	Pores (QTY / Size)	Roots (QTY / Size)	Mottling (QTY / Size/ Contrast)		
Х	16	D.			ē					}	Υ
											=
										*	
Notes: Mo	l ottling at 16'	'. Pit no good.									

Test Pit # 8

.,	V 11		Davidania (VDaala			С	onsisten	ice	_		
X = Limiting Horizon	Horizon Depth (Inches)	Boundary	%Rock	Texture	Structure (Grade / Shape)	Side Wall	Ped	Wet	Pores (QTY / Size)	Roots (QTY / Size)	Mottling (QTY / Size/ Contrast)
Х	12		>50%						t.		
			8								
									п		=
Notes: Ha	ardpan at 12	". Pit no good	i								

Test Pit # 9

v	Horizon Depth (Inches)		0/D I	Texture	Structure (Grade / Shape)	Consistence			B	Doots	NA - 1111
X = Limiting Horizon		Boundary	%Rock			Side Wall	Ped	Wet	Pores (QTY / Size)	Roots (QTY / Size)	Mottling (QTY / Size/ Contrast)
	0-16	С	<30%	W/SL	G	W	L	SS	СМ	СМ	
	16-44	С	<20%	W/SL	G	w	L	SS	СМ	СМ	
Х	44		>50%								
s											
									T		
Notes: Ha	ardpan at 44	". Pit good.				1					2

RSA+ Project Number: 4117031.0 Date: September 14, 2017 Page 5 of 5 Test Pit # Consistence X = Horizon **Boundary** %Rock **Texture** Structure **Pores** Roots Mottling Side Ped Wet (QTY / Size/ Contrast) Limiting (QTY / Size) Depth (Grade / (QTY / Size) Wall Horizon (Inches) Shape) Χ 6 Υ 6-30 Notes: Mottling, decomposing rock at 6" and 12". Pit no good. Test Pit # 11 Consistence **Boundary** %Rock **Texture** X = Horizon Structure **Pores** Roots Mottling Side Ped Wet Limiting (QTY / Size) (QTY / Size) Depth (Grade / (QTY / Size/ Wall Shape) Contrast) Horizon (Inches) 12" Χ >50% Notes: Hardpan at 12". Test Pit # 12 Consistence

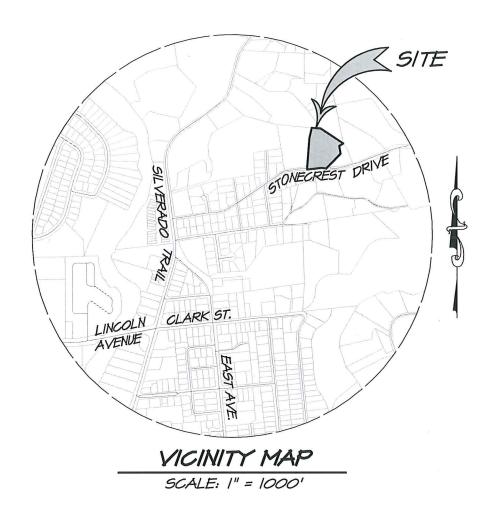
Horizon Boundary %Rock **Texture** Structure **Pores** X = Roots Mottling Side Ped Wet Limiting (QTY / Size) (QTY / Size) (QTY / Size/ Contrast) Depth (Grade / Wall Shape) Horizon (Inches)

Notes:

STONECREST RESIDENCE **VICINITY MAP**

NAPA COUNTY

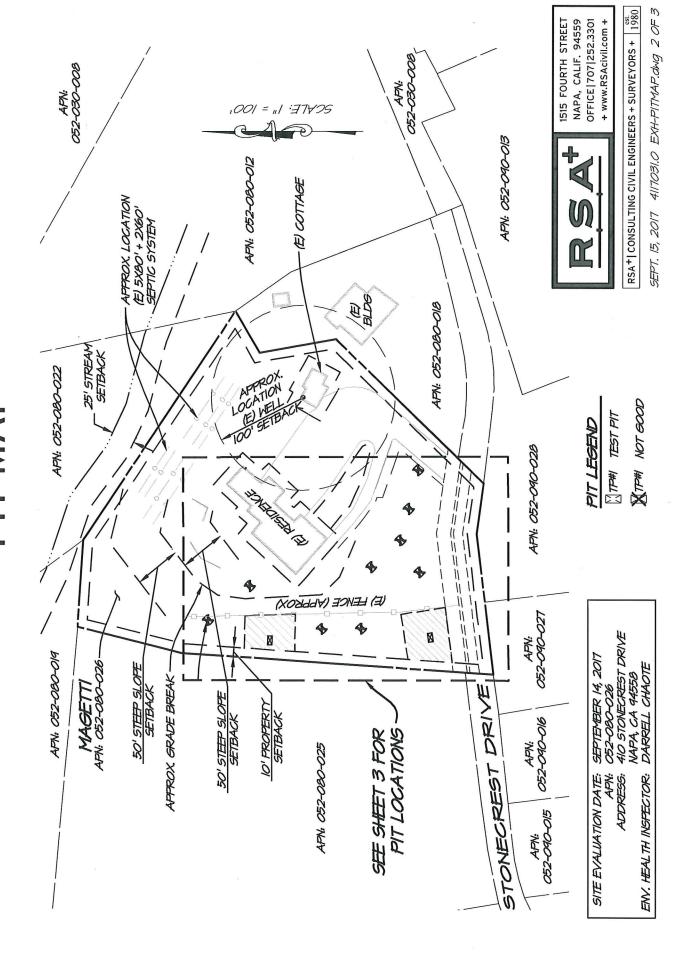
CALIFORNIA



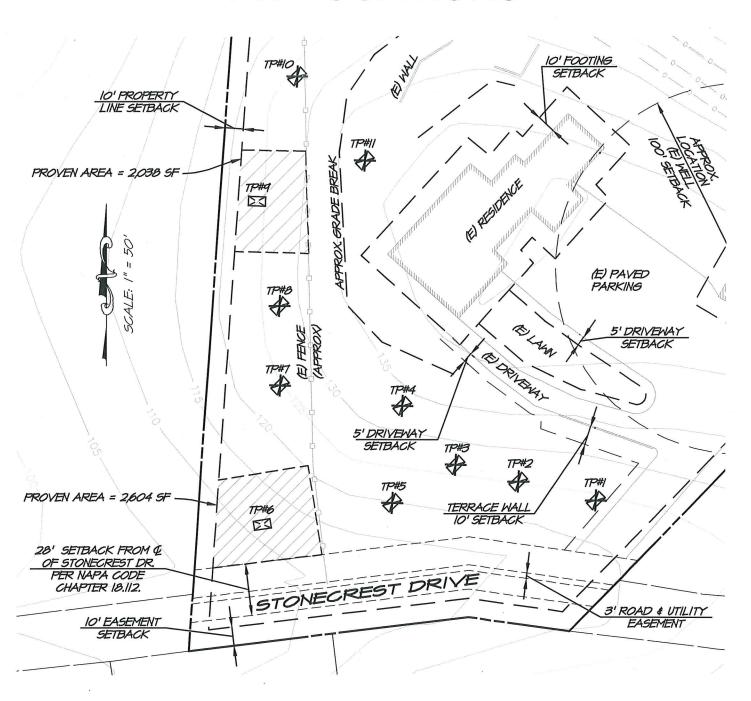


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STONECREST RESIDENCE PIT MAP



STONECREST RESIDENCE PIT LOCATIONS



PIT LEGEND

TP# TEST PIT

TP#I NOT GOOD

SITE EVALUATION DATE: SEPTEMBER 14, 2017 APN: 052-080-026

ADDRESS: 410 STONECREST DRIVE

NAPA, CA 94558 ENV. HEALTH INSPECTOR; DARRELL CHAOTE



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RSA+ CONSULTING CIVIL ENGINEERS + SURVEYORS + 1980

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