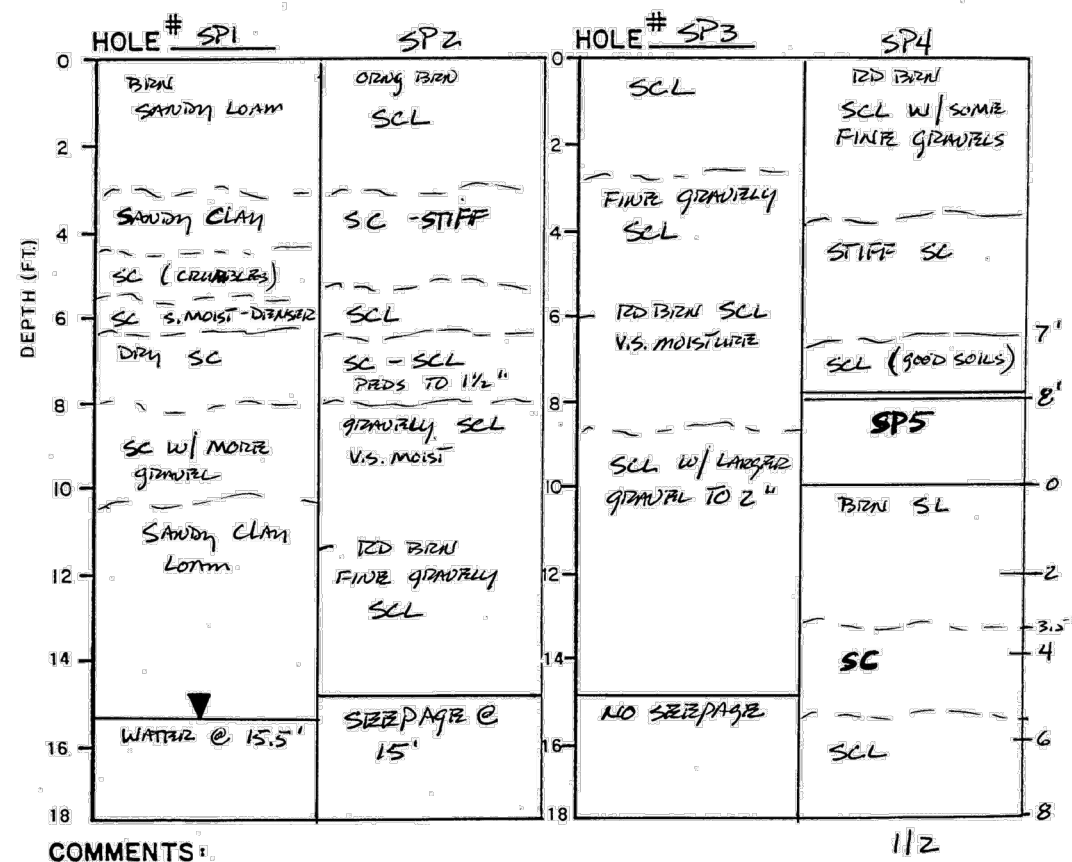


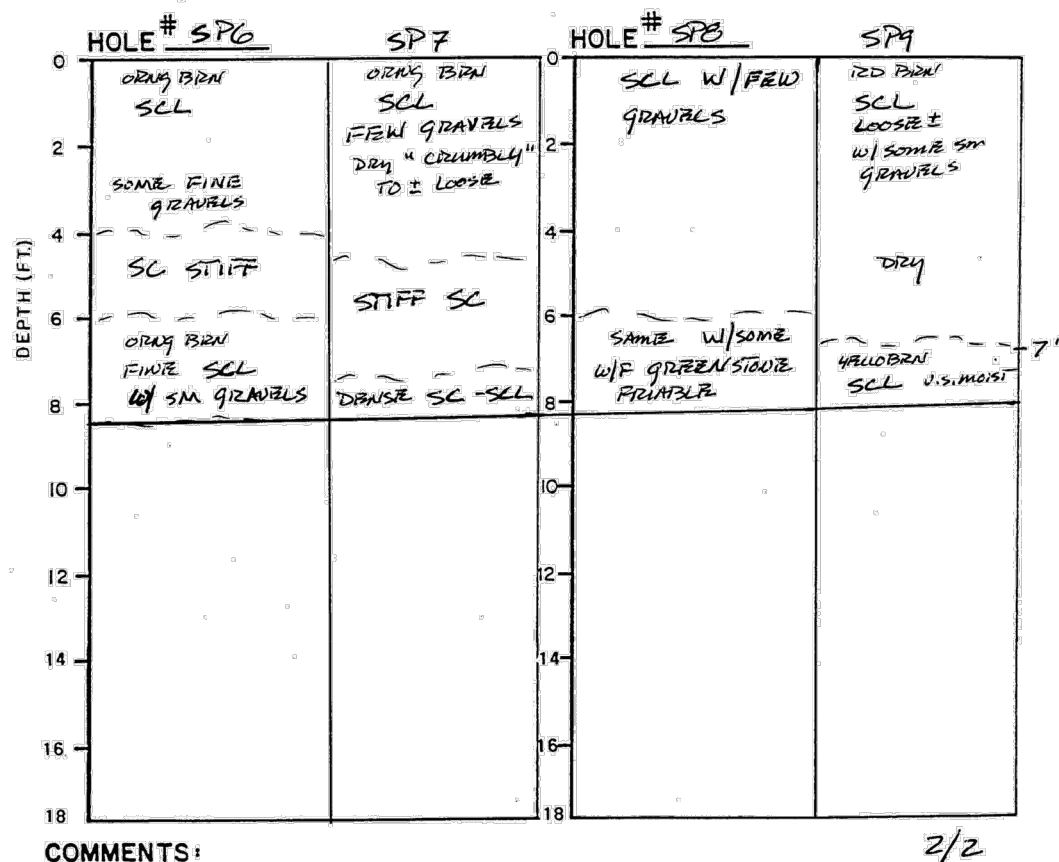
[illegible]

A.P.# 79-06-002 DATE OF INSPECTION 6/15/06  
OWNER SAL AKHTER JOB # 06 SEC 021  
ADDRESS MONTEREY RD. AREA (N. OF CALIF.) SAN MARTIN  
CONDUCTED BY MB CHECKED BY ANNA PADAW DAN KRITH  
BARRETT



106 Marcela Drive, Watsonville, CA 95076 • Office (831) 724-2223 • Fax (831) 724-2338

A.P.# 779-CG-002 DATE OF INSPECTION 6/15/06  
OWNER SAL AKHTER JOB # CG SCG 021  
ADDRESS MONTREY RD. AREA SAN MARTIN  
CONDUCTED BY MB CHECKED BY AP



106 Marcela Drive, Watsonville, CA 95076 • Office (831) 724-2223 • Fax (831) 724-2338

Miami Dade County - Department of Environmental Health  
SOIL PERCOLATION TEST RECORD AND MEASUREMENTS

OWNER/LOCATION <u>Medford (center)</u>										FILE #									
CONTACT <u>4065 Mercedes Hwy, San Marino</u>										REMS <u>Steve</u> <u>Eric</u>									
CONTACT PERSON <u>Steve</u> <u>Eric</u>										PHONE <u>405 855 5177</u> DATE <u>1/22/2018</u>									

HOLE# 1-21					DEPTH 1' 2'					HOLE# 2-21					DEPTH 1' 2'					
TIME		WATER LEVEL		MFI	TIME		WATER LEVEL		MFI	TIME		WATER LEVEL		MFI	TIME		WATER LEVEL		MFI	
START	FINISH	START	FINISH		AMIN	AMCH	START	FINISH		AMIN	AMCH	START	FINISH		START	FINISH	AMIN	AMCH		START
1:22	1:59	4.14	3.14	30	3.8	1:21	1:22	4.5	2.6	30	1:22	1:23	4.5	2.6	30	1:22	1:23	4.5	2.6	30
1:47	1:51	3.0	2.0	30	3.4	1:20	1:20	2.5	2.4	30	1:48	1:49	3.0	2.0	30	1:48	1:49	3.0	2.0	30
1:54	1:57	3.0	2.0	30	3.4	1:21	1:21	2.5	2.4	30	1:54	1:55	3.0	2.0	30	1:54	1:55	3.0	2.0	30
1:59	1:59	3.0	2.0	30	3.4	1:21	1:21	2.5	2.4	30	1:59	1:59	3.0	2.0	30	1:59	1:59	3.0	2.0	30
1:59	1:59	3.0	2.0	30	3.4	1:21	1:21	2.5	2.4	30	1:59	1:59	3.0	2.0	30	1:59	1:59	3.0	2.0	30

number 201 on site plan                      number 202 on site plan

HOLE# 3-23					DEPTH 1' 2'					HOLE# 4-21					DEPTH 1' 2'					
TIME		WATER LEVEL		MFI	TIME		WATER LEVEL		MFI	TIME		WATER LEVEL		MFI	TIME		WATER LEVEL		MFI	
START	FINISH	START	FINISH		AMIN	AMCH	START	FINISH		AMIN	AMCH	START	FINISH		START	FINISH	AMIN	AMCH		START
1:32	1:32	1:49	1:49	30	1	1:33	1:33	1:34	1:44	30	1:49	1:49	3.0	2.0	30	1:49	1:49	3.0	2.0	30
1:32	1:33	1:49	1:49	30	1	1:33	1:33	1:34	1:44	30	1:49	1:49	3.0	2.0	30	1:49	1:49	3.0	2.0	30
1:33	1:33	1:49	1:49	30	1	1:33	1:33	1:34	1:44	30	1:49	1:49	3.0	2.0	30	1:49	1:49	3.0	2.0	30
1:33	1:33	1:49	1:49	30	1	1:33	1:33	1:34	1:44	30	1:49	1:49	3.0	2.0	30	1:49	1:49	3.0	2.0	30
1:33	1:33	1:49	1:49	30	1	1:33	1:33	1:34	1:44	30	1:49	1:49	3.0	2.0	30	1:49	1:49	3.0	2.0	30

number 203 on site plan                      number 204 on site plan

HOLE# 5-23					DEPTH 1' 2'					HOLE# 6-21					DEPTH 1' 2'					
TIME		WATER LEVEL		MFI	TIME		WATER LEVEL		MFI	TIME		WATER LEVEL		MFI	TIME		WATER LEVEL		MFI	
START	FINISH	START	FINISH		AMIN	AMCH	START	FINISH		AMIN	AMCH	START	FINISH		START	FINISH	AMIN	AMCH		START
1:55	1:55	3:49	3:49	30	1	1:55	1:55	3:49	3:49	30	1:55	1:55	3:49	3:49	30	1:55	1:55	3:49	3:49	30
1:55	1:55	3:49	3:49	30	1	1:55	1:55	3:49	3:49	30	1:55	1:55	3:49	3:49	30	1:55	1:55	3:49	3:49	30
1:55	1:55	3:49	3:49	30	1	1:55	1:55	3:49	3:49	30	1:55	1:55	3:49	3:49	30	1:				

[illegible]

The first set of percolation test holes shown on the site plan as P101-P106 were done for the area to be used for the drip leach field area for the caretaker residence, and produced an average stabilized percolation rate of 46 minutes per inch when calculated as directed by Santa Clara Environmental Health. The application rate allowed for this percolation rate is .4 gallons per square foot of infiltrative surface according to the County's Onsite Design Manual Table DD-1, and this rate was used to design that leach field.

The perk test performed in 2015 in the area where the leach fields that serve the non-residential portion of this project are labeled P201-P207. The location of these perk test holes is marked on the site and septic system plans. The average rate achieved in this test was 41 minutes per inch which allows the use of the application rate of 6 gallons per square foot of infiltrative area. By utilizing flow equalization the leach field will only receive 6,000 gallons a day. Therefore two leach fields each with 10,000 square feet of infiltrative area are required and shown on the plan.

Soil Type*	Soil Percolation Rate (MPI)	Wastewater Application Rate (gpd/ft <sup>2</sup> )
Coarse Sand	1-4	1.4
Fine Sand	5-10	1.2
Sandy Loam	11-20	1.0
Loam	21-30	0.7
Clay Loam	31-45	0.6
Silt-Clay Loam	46-60	0.4
Clay, non-swell	61-90	0.2
Clay, swell	91-120	0.1

—MAJOR BUILDING  
LEACH AREA  
APPLICATION RATE

-RESIDENCE  
LEACH AREA  
APPLICATION RATE

**BATZ ENVIRONMENTAL CONSULTING**  
Michael Batz, REHS - Consultant  
106 Marcela Drive, Watsonville, CA 95076  
Office(831)724-2223 Fax(831) 724-2338

A	B	C	D	E	F	G	H	I
1	OWNER/APPLICANT:	Sal Akhter		REC FILE No: 06-SCC-021				
2	CONDUCTED BY:	MB		SITE LOCATION: Monterey Rd., San Martin - LOT 2				
3	CHECKED BY:	AP		DATE: 11/08/06				
4				APN:				
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Page 1 of 1

A	B	C	D	E	F	G	H	I
1	OWNER/APPLICANT: Sal Akhter				BEC FILE NO: 06-SCC-021			
2	CHECKED BY: MB				SITE LOCATION: Monterey Rd., San Martin - LOT 2			
3	DUCKED BY: AP				DATE: 11/09/08			
4								
5								
6								
7								
8	<b>HOLE #1</b>	<b>DIA. 12"</b>		<b>DEPTH: 7'</b>		<b>SOIL TYPE</b>		
9	<b>READING</b>	<b>START</b>	<b>TIME</b>	<b>READING</b>	<b>FINAL WATER</b>	<b>TIME</b>	<b>PERCOLATION</b>	<b>RATE</b>
10		<b>TIME</b>	<b>LEVEL</b>		<b>LEVEL</b>	<b>INTERVAL</b>	<b>DROP</b>	<b>#IN/HR</b>
11	1	2:00	43.125	2:30	43.125	30	0.000	
12	2	3:00	43.125	3:00	43.000	30	0.125	0.25
13	3	3:20	43.125	3:30	42.750	30	0.375	0.75
14	4	3:31	43.250	4:01	42.875	30	0.375	0.75
15	5	4:02	43.250	4:32	42.875	30	0.375	0.75
16							<b>Avg. of Last 3</b>	<b>80.00</b>
17								
18								
19	<b>STABILIZED RATE</b>			<b>ADJUSTED STABILIZED RATE</b>				
20	80.00 mpi		Adj. Factor is 1.4		112.00 mpi			
21								
22								
23	<b>HOLE #2</b>	<b>DIA. 12"</b>		<b>DEPTH: 4.0'</b>		<b>SOIL TYPE</b>		
24	<b>READING</b>	<b>START</b>	<b>TIME</b>	<b>READING</b>	<b>FINAL WATER</b>	<b>TIME</b>	<b>PERCOLATION</b>	<b>RATE</b>
25		<b>TIME</b>	<b>LEVEL</b>		<b>LEVEL</b>	<b>INTERVAL</b>	<b>DROP</b>	<b>#IN/HR</b>
26	1	2:02	82.000	2:31	81.875	29	0.125	0.26
27	2	2:32	82.000	3:02	81.875	30	0.125	0.25
28	3	2:32	82.250	3:32	81.875	30	0.375	0.75
29	4	3:32	82.250	4:02	81.875	30	0.375	0.75
30	5	4:03	82.250	4:33	81.875	30	0.375	0.75
31							<b>Avg. of Last 3</b>	<b>80.00</b>
32								
33								
34								
35	<b>STABILIZED RATE</b>			<b>ADJUSTED STABILIZED RATE</b>				
36	80.00 mpi		Adj. Factor is 1.4		112.00 mpi			
37								
38								

**NOTES:**

Page 1 of 3

1	A	B	C	D	E	F	G	H	I
2	OWNER/APPLICANT: Sal Akhter			REC FILE No: 06-SSC-021					
3	CONDUCTED BY: MB			SITE LOCATION: Monterey Rd., San Martin - LOT 2					
4	CHECKED BY: AP			DATE: 11/08/06					
5				APR:					
6	HOLE #3	DIA. 12"	DEPTH: 5'		SOIL TYPE		PERCOLATION	RATE	
7	READING	START	WATER	READING	FINAL WATER	TIME	WATER		
8				LEVEL	LEVEL	INTERVAL	DROP		
9							IN/ HR		RATE MPI
10	1	2:04	73.750	2:32	74.000	28	-0.250	-0.54	112.00
11	2	2:33	74.000	3:03	73.875	30	0.125	0.25	240.00
12	3	3:03	74.000	3:33	73.750	30	0.250	0.50	120.00
13	4	3:33	74.125	4:03	73.875	30	0.500	1.00	60.00
14	5	4:04	74.125	4:34	73.750	30	0.375	0.75	80.00
15	6	4:35	74.125	5:05	73.75	30	0.375	0.75	80.00
16							Avg. of Last 3 = 73.33		
17									
18									
19									
20	STABILIZED RATE			ADJUSTED STABILIZED RATE					
21	73.33 mpi	Adj. factor is 1.4		102.67 mpi					
22									
23									
24	HOLE #10	DIA. 12"	DEPTH: 5'		SOIL TYPE		PERCOLATION	RATE	
25	READING	START	WATER	READING	FINAL WATER	TIME	WATER		
26				LEVEL	LEVEL	INTERVAL	DROP		
27							IN/ HR		RATE MPI
28	1	2:24	68.125	2:43	67.875	19	0.250	0.79	76.00
29	2	2:44	68.000	3:13	67.375	30	0.625	1.25	48.00
30	3	3:14	68.000	3:44	67.250	30	0.750	1.50	40.00
31	4	3:44	68.125	4:14	67.375	30	0.750	1.50	40.00
32	5	4:15	68.250	4:45	67.500	30	0.750	1.50	40.00
33							Avg. of Last 3 = 68.00		
34									
35	STABILIZED RATE			ADJUSTED STABILIZED RATE					
36	48.00 mpi	Adj. factor is 1.4		59.00 mpi					

38

Page 2 of 3

2	OWNER/APPLICANT: Sal Akhter				BEG FILE NO: 06-SC-021						
3	CONDUCTED BY: MB				SITE LOCATION: Monterey Rd, San Martin - LOT 2						
4	CHECKED BY: AP				DATE: 11/08/06						
5					APR:						
6											
7	<b>HOLE #11</b>		<b>DIA. 12" INITIAL</b>		<b>DEPTH: 7'</b>		<b>SOIL TYPE</b>				
8	<b>READING</b>		<b>START</b>	<b>WATER</b>	<b>READING</b>	<b>FINAL</b>	<b>WATER</b>	<b>PERCOLATION</b>	<b>RATE</b>		
9			<b>TIME</b>	<b>LEVEL</b>	<b>TIME</b>	<b>LEVEL</b>	<b>INTERVAL</b>	<b>IN/ HR</b>	<b>RATE MPI</b>		
10	1	2:26		45.500	2:44	45.875	18	-0.375	-1.25	-0.80	
11	2	2:45		45.875	3:15	45.625	30	0.250	0.50	120.00	
12	3	3:15		45.875	3:45	45.500	30	0.375	0.75	80.00	
13	4	3:46		46.000	4:16	45.625	30	0.375	0.75	80.00	
14	5	4:17		46.125	4:47	45.750	30	0.375	0.75	80.00	
15	Avg. of Last 3 =									80.00	
16											
17											
18											
19	<b>STABILIZED RATE</b>			<b>ADJUSTED STABILIZED RATE</b>							
20	80.00 mpi			Adj. factor is 1.4		112.00 mpi					
21											
22											
23	<b>HOLE #12</b>		<b>DIA. 12" INITIAL</b>		<b>DEPTH: 7'</b>		<b>SOIL TYPE</b>				
24	<b>READING</b>		<b>START</b>	<b>WATER</b>	<b>READING</b>	<b>FINAL</b>	<b>WATER</b>	<b>PERCOLATION</b>	<b>RATE</b>		
25			<b>TIME</b>	<b>LEVEL</b>	<b>TIME</b>	<b>LEVEL</b>	<b>INTERVAL</b>	<b>IN/ HR</b>	<b>RATE MPI</b>		
26	1	2:28		37.625	2:45	37.375	17	0.250	0.88	68.00	
27	2	2:46		37.500	3:16	37.375	30	0.125	0.25	240.00	
28	3	3:16		37.625	3:46	37.250	30	0.375	0.75	80.00	
29	4	3:47		37.625	4:17	37.250	30	0.375	0.75	80.00	
30	5	4:18		37.625	4:48	37.375	30	0.375	0.75	80.00	
31	Avg. of Last 3 =									80.00	
32											
33											
34											
35	<b>STABILIZED RATE</b>			<b>ADJUSTED STABILIZED RATE</b>							
36	80.00 mpi			Adj. factor is 1.4		112.00 mpi					
37											

**NOTE**

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REVISIONS		
1	4-15-2016	SRH
COUNTY COMMENTS		

**S.S.R. HARTSELL, R.E.H.S.  
P.O. BOX 342  
PACIFICA, CA 94044  
shartsell@gmail.com (650) 888-2419**

## SOIL INFORMATION SEPTIC SYSTEM PLAN

CORDOBA CENTER  
114045 MONTEREY ROAD  
SAN MARTIN, CA 95046  
APN 779-06-002

November 30, 2015

SCALE AS NOTED

BY SRH

PAGE

## SEPTIC 2

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