MACHINERY: Truck Rig	SURFACE ELEVATION: tbd	DATE DRILLED: 6/15/06
DEPTH to GROUNDWATER: 21.5 feet***	SIZE: 6 inch nominal CFA	LOGGED BY: LBK

DESCRIPTION and CLASSIFICATION / REMARKS			COLOR**	FIRMNESS	SOIL GROUP	DEPTH (Feet)
CONCRETE (4")						0
AGGREGATE BASE (>2")						
CLAY, very silty *damp*	Bag 1	2.5Y-4/2	dark grayish brown	firm	CL	1
					CL	
CLAY *plastic* *damp/moist*	Bag 2	5Y-2.5/2	black	very stiff	CL/CH	2, 3
CLAY, very silty *rock fragments* *moist*	Bag 3	2.5Y-4/2	dark grayish brown	very stiff	CL	4
CLAY, silty, slightly sandy *moist*	Bag 4	2.5Y-4/2	very dark grayish brown	very stiff	CL	5
CLAY, silty, slightly sandy *moist*	Bag 5	2.5Y-3/2	very dark grayish brown	very stiff	CL	6
CLAY, silty, slightly sandy *moist*	Bag 6	2.5Y-3/2	very dark grayish brown	very stiff	CL	7, 8
SHEAR ZONE	Bag S	*voids, no change in materials*				9
CLAY, silty, slightly sandy *moist*	Bag 7	2.5Y-3/3	very dark grayish brown	stiff	CL	10
CLAY, silty	Bag 8	5Y-4/2	olive gray	very stiff	CL	11
CLAY, silty	Bag 9	5Y-4/3	olive	very stiff	CL	12
CLAY, silty	Bag 10	5Y-5/3	olive	very stiff	CL	13, 14
CLAY, silty	Bag 11	5YR-4/3	olive	very stiff	CL	15

Stratification lines, if shown, represent the approximate boundaries between soil and rock types; actual transitions are gradual unless noted or otherwise defined

***Munsell Color: hue-value/chroma*

SAMPLER SYMBOL | PENETRATION RESISTANCE (Blows / Foot) | WATER CONTENT (%) | DRY DENSITY (PCF) | STRENGTH TESTS

PENETRATION RESISTANCE (Blows / Foot): 18, 20, 22, 16, 28, 27, 32

24" long SPT sampler barrel 0 to -13,5', 18" long SPT sampler barrel -13.5' to -25'

Blow counts (140 lb hammer) are for final 12 inches of sampler penetration unless noted otherwise

Liquid Limit=48%
Plastic Limit=15%
Plasticity Index=33%

Passing #200 sieve=77.7%

****Free groundwater encountered at -21.5 feet at time of drilling; raised to -19.7 feet 3 hours after drilling, raised to -16.7 feet 27 hours after drilling, and stabilized at -16.7 feet 2-10 days after drilling*

LAWRENCE B. KARP
CONSULTING
GEOTECHNICAL ENGINEER
100 TRES MESAS
ORINDA, CALIFORNIA 94563
(925) 254-1222

EXPLORATORY BORING LOG

Sterbentz Residence
Slope Failure Investigation
24 Saint Hill Road, Orinda

DATE	PROJECT	BORING NO.
July 2006	206036	B-1 (Sheet 1)