UCB-BYU-UCLA ZETAS-SaU-METU

Joint Research

Project Name: Ground Failure and Building Performance in Adapazari, Turkey

Location: Site E - Kavaklar Ave., Tigcilar District, Adapazari

Date: July 3, 2000

Field Log by: Jonathan D. Bray

Sponsored by: Operator: ZETAS (Zemin Teknolojisi, A. S.)

NSF, Caltrans CEC, PG&E **Drilling Method:** Rotary wash with 9 cm-diameter tricone bit

Water Table Elevation: GWL = 70 cm 07/03/00, 46 cm 07/08/00, 0.34 m 08/04/00

Notes: Solid flight auger was used to a depth of 0.8 m

Test ID: SPT-E1

GPS Coordinates: 40.77778°N 30.40518°E

Elevation: -0 cm with respect to CPT-E1

Drilling Equipment: Custom made, equivalent to Crealius XC90H **Responsible Engineers:** J. D. Bray and R. B. Sancio, U. C. Berkeley **SPT System:** Rope, pulley and cathead method. AWJ rods.

Hammer Type: Safety Hammer (per Kovacs et al. 1983)

	Notes: Solid flight auger was used to a depth of 0.8 m																			
Depth Scale (m)	Lithology	NSCS	Sample Type and No.	Recovery/ Length (cm)	SPT Blows/15 cm	Casing Depth (m)	Rod Length (m)	Energy Ratio (%)	Description	qu Pocket Pen (kPa)	Su Torvane (kPa)	Moisture Content (%)	Liquid Limit	Plasticity Index	% fines < 75 µm	< 5 µm (%)	< 2 µm (%)	D50 (mm)	D10 (mm)	Remarks
-0 - - - - -1	····								Fill: Brown sandy fill with rubble (bricks and concrete) and some fines. Black clayey soil with slight smell. SP: Poorly graded, medium to											
- - -2		SP	S-E1-1	34/45	2-2-4	1.55	4.27		fine brown clean sand		-	23	-	-	2	-	-	0.51	0.2	
- - -3 -			S-E1-2A S-E1-2B	36/45	2-2-3	2.85	5.80	,	SILT AND SAND: Interbedded strata of brown low plasticity sandy silt and clayey silt with brown medium sand	125		33 34	28 33	-	59 90	- 28	- 20	0.06 0.014	- <2µm	
- - - 4			S-E1-3	41/45	1-2-1	3.65	7.32		SILTY CLAY: Brown clayey silt/silty clay. Traces of organics and oxidation veins	60	30	49	52	22	99	-	-	-	-	
- - - -5		CH CH CH	SH-E1-4A SH-E1-4B SH-E1-4C	35/42	-	4.45	-		SAND: Gray fine to medium	110	50		61 61 62	32 33 35	96 95 95	40 54 53	24 33 37	.007 .004 .005	<2µm <2µm <2µm	
- - - - -6	. 1		S-E1-5A S-E1-5B	45/45	3-4-5	5.35	8.84		sand interbedded with gray low plasticity silt deposits. FC in this stratum varies from 3% to 61%	80		33 17	-	-	47 7	-	-	0.08 0.4	- 0.1	
- - - -7		ML SW-SM	S-E1-6A S-E1-6B	41/45	5-13-19	6.35	10.37			- 450		25 18	26	-	61 12	16 -	11 -	0.048 0.2	<2µm 0.06	
- - - - 8			S-E1-7	40/45	9-16-18	7.35	11.89			280										
- - - - - 9		SP	S-E1-8A	45/45	1-4-8	8.08	11.89			100		21	-	-	3	_	_	0.6	0.2	
-	CL S-E1-8B								CLAY: Gray clay with traces of fine sand	125		30	39	17	97	31	24	0.014	<2µm	