UCB-BYU-UCLA ZETAS-SaU-METU

Joint Research

**Project Name:** Ground Failure and Building Performance in Adapazari, Turkey **Location:** Site A - Tul and Yakin Streets, Cumhuriyet District, Adapazari

Date: June 24, 2000

Field Log by: Rodolfo B. Sancio

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

NSF, Caltrans

Drilling Method: Rotary wash with 9 cm-diameter tricone bit

Water Table Flavetian: CWT = 0.70m 06/24/00.0.770m 06/2

CEC, PG&E Water Table Elevation: GWT = 0.70m 06/24/00, 0.79m 06/26/00, 0.85m 06/28/00

Notes: Solid flight auger was used to a depth of 1m

Test ID: SPT-A2

**GPS Coordinates:** 40.77922°N 30.39487°E

Elevation: -5 cm with respect to CPT-A3

**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 1m																				
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
									ASPH: Asphalt of Yakin Street.											
- 1		ML/CL	S-A2-1	28/45	1-2-1	-	4.27	37	Fill	150	10	37	31	8	74	-	-	-	-	
-2		ML	S-A2-2	42/45	1-2-2	-	5.80	53	ML: Brown clayey silt to silty clay with some red oxidation points and some fine sand	75	18	36	35	8	86	-	-	-	-	
-3		CH/MH	SH-A2-3	42/42		2.55	-	-	CH: Brown high plasticity silty clay to clayey silt. Some fine to medium sand in a silty clay	-	48	44	51	23	100	75	57	0.001	<2µm	
-		CL/CH	S-A2-4	40/45	2-1-1	3.35	7.32	52	matrix was observed in the wash water	120	53	37	49	25	85	-	-	-	-	
- <b>4</b> -		ML	S-A2-5	28/45	2-3-4	4.15	7.32	65	ML: Brown/gray clayey silt with traces of fine sand	160	35	34	35	7	93	18	12	0.018	0.001	
- 5 -		CL	SH-A2-6	42/42		4.95	-	-	CH: Gray silty clay of medium to high plasticity. Sticky to the	-	31	44	43	20	95	-	-	-	-	
- -6		MH/CH	S-A2-7	39/45	1-1-2	5.95	8.84	65	fingers. Softens when remoulded	75	37	43	51	22	99	42	30	0.007	<2µm	
- - <b>7</b> - -		ML	S-A2-8	32/45	3-5-5	6.95	10.37	60	ML: Gray clayey silt with some fine sand	170	36	33	39	11	85	20	13	0.026	0.001	At approximately 7.15 m, an 8-cm thick stratum of
-8 - - - - 9		SP-SM	S-A2-9	38/45	12-20-16	8.45	11.89	61	SP-SM: Poorly graded gray fine sand with silt. Gravel content ~ 8% in sample S-A2- 10	380	-	33	-	-	8	-	-	0.12	0.08	black, fibrous material (Peat) was identified in the sample
10		SP-SM	S-A2-10	38/45	7-10-15	9.95	12.82	-		320	-	22	-	-	6	-	-	0.33	0.1	