UCB-BYU-UCLA ZETAS-SaU-METU **Project Name:** Ground Failure and Building Performance in Adapazari, Turkey **Location:** Site A - Tul and Yakin Streets, Cumhuriyet District, Adapazari

Date: July 24, 2000

Field Log by: Rodolfo B. Sancio

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

NSF, Caltrans CEC, PG&E

Joint Research

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

Water Table Elevation: GWL = 0.82m 07/25/00

Notes:

Test ID: SPT-A4

GPS Coordinates: 40.77922°N 30.39487°E

Elevation: -14 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:																			
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)	^S u Torvane (kPa)	Moisture Content (%)	Liquid Limit	Plasticity Index	% fines < 75 µm	< 5 µm (%)	< 2 µm (%)	D50 (mm)	D10 (mm)	Remarks
									FILL: Asphalt, pavement and fill on Yakin Street											
-2		CL/ML CL/ML	SH-A4-1A SH-A4-1B SH-A4-2	39/42	-	1.2 1.2	-	-	CL: Low to high plasticity, brown silty clay to clayey silt with traces of fine sand. Soil is highly inhomogeneous, showing variable FC	75 75 60	41 41 32	24 33 35	34 42 48	11 17 24	80 94 99	35 45 32	24 34 25	0.017 0.006 0.02	<2μm <2μm <2μm	Shear Vane @ 1.65 m. Peak = 16 kPa, Residual = 4 kPa Shear Vane @ 2.45 m. Peak = 29 kPa, Residual =
- 4 4		ML	SH-A4-3 S-A4-4	30/45	3-3-3	4.05	7.32	51	ML: Brown low plasticity silt with traces of fine sand	70	-	32	36	10	97	24	18	0.017	- <2μm	9 kPa Shear Vane @ 3.45 m. Peak = 15 kPa, Residual = 5 kPa
-5 -5 -		CL/MH	S-A4-5	28/45	3-1-2	4.95	8.84	53	CL: Low to high plasticity gray silty clay to clayey silt with traces of fine sand	75	27	39	49	22	98	56	42	0.004	<2µm	
-6 - - - -7		CL	S-A4-6	-	6-5-11	6.45	10.37	59		-	-	37	38	14	92	43	37	0.007	<2µm	Initially no sample was recovered at a depth of 6.5 m. In a second attempt, a sample was obtained at 6.6
-8	1111	ML	S-A4-7	33/45	11-12-17	7.95	11.89	60	SANDY SILT: Gray low plasticity sandy silt	440	-	25	25	-	66	35	32	0.018	<2µm	m with the aid of a sand catcher.
-9 -10 -11		SP-SM	S-A4-8	40/45	24-38-36	9.45	12.82	-	SAND: Gray poorly to well graded sand with silt. 22% gravel content in S-A4-9, very low (< 5%) in other samples.	-	-	18	-	-	8	-	-	0.3	0.185	

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F		SW-SM	S-A4-9	39/45	14-18-20	10.95	14.94	54		-	-	17	-	-	10	-	- 1	0.61	0.074	
-12		SP-SM	S-A4-10	33/45	14-17-18	12.45	16.46	62		-	-	16	-	-	7	-	-	0.5	0.1	
- -14 -									CH: Gray, high plasticity stiff clay.	-										
15		СН	S-A4-11	26/45	4-4-7	14.95	17.92	62		250	53	37	69	45	100	86	73	<2µm	<2µm	BW rods were used for the SPT at 15 m