UCB-BYU-UCLA ZETAS-SaU-METU Project Name: Ground Failure and Building Performance in Adapazari, Turkey

Location: Site D - Meydan Street, Çukurahmediye District, Adapazari

Date: June 29, 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: Hole caved in 07/08/00

Test ID: SPT-D2

GPS Coordinates: 40.76929°N 30.40828°E

Elevation: -4 cm with respect to CPT-D1

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: Boring on footprint of collapsed building																				
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	q _u 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
-1 -2 -34		ML/CL ML CL/ML ML SW-SM SW-SM	SH-D2-1 SH-D2-2 S-D2-3 S-D2-4 S-D2-5A S-D2-5B S-D2-6		1-1-2	1.25 2.05 2.05 3.15 4.05 5.15	- 5.80 7.32 8.84 8.84	- 444 51 65	Fill: Hard brick and brown fill material. The soild flight auger had difficulty, maybe due to a spread footing of the collapsed building CLAYEY SILT: Gray clayey silt to silty clay with fine sand and traces of shells. Strong organic odor, but not due to soil composition CLAYEY SILT: Brown clayey silt to silty clay with traces of fine sand and red oxidized spots to sandy silt SAND: Gray well to poorly graded sand with low silt content (< 6%) and varying fine gravel content (< 16%)	110 - 90 70 - -	37	36 41 36 40 10	36 42 35 24 -	12 13 12 -	94 99 95 71 5	24 - 22 23 -	19 - 16 20 -	0.02 - 0.021 0.03 1.2 1.3	<2μm - <2μm 0.15 0.25	