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Joint Research

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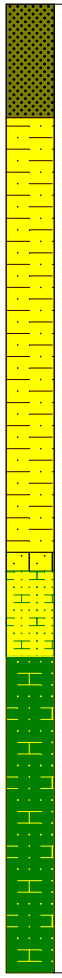
Project Name: Ground Failure and Building Performance in Adapazari, Turkey
Location: Site C - Bölük Street, Istiklal District, Adapazari
Date: June 27, 2000
Field Log by: Rodolfo B. Sancio
Operator: ZETAS (Zemin Teknolojisi, A. S.)
Drilling Method: Rotary wash with 9 cm-diameter tricone bit
Water Table Elevation: GWL = 1.30 m 07/08/2000
Notes: Solid flight auger to a depth of 1.5 m

Test ID: SPT-C3
GPS Coordinates: 40.78370ºN 30.39221ºE
Elevation: -2 cm with respect to CPT-C4
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)



Depth Scale (m)	USCS	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
0								Fill: The boring was drilled through a thin concrete slab on grade under which lies a gray silty sandy fill											
1								SILT: Brown silt to clayey silt with traces of fine sand interspersed with strata of brown silty sand to sandy silt										An attempt to obtain a Shelby tube sample at 1.5 m failed
2																			
3		SH-C3-1	42/42	-	2.8	-	-												
4	SM	S-C3-2	38/45	3-3-4	3.75	7.32	67		90		27	-	-	28	-	-	0.18	-	
5	CL/ML	S-C3-3	43/45	2-2-1	4.55	8.84	66		130		38	40	15	88	-	-	-	-	Traces of shells in sample S-C3-3
6	CL/ML SM	S-C3-4A S-C3-4B	38/45	3-10-8	5.45	8.84	66	SM: Gray silty fine sand	125 250		34 23	45 -	20 -	97 37	- 13	- 10	- 0.09	- 0.001	
7	ML	S-C3-5	36/45	3-4-7	6.65	10.37		SILTY CLAY: Gray silty clay to clayey silt with some fine sand			31	31	-	83	23	16	0.027	<2µm	Traces of wood fragments in sample S-C3-5
8	CH/MH	S-C3-6	35/45	1-3-2	7.65	10.37	62	CLAY AND SILT: Gray low plasticity silt with sand interbedded with gray high plasticity clay. Red oxidation zone towards the upper portion of sample S-C3-6. The clay loses strength when remolded	70	23	42	67	36	98	-	-	-	-	
9																			
10	ML	S-C3-7	45/45	2-7-14	9.75	13.42	65		370		25	28	-	75	18	15	0.033	<2µm	

Legend
S: Spit Spoon (SPT) SH: Shelby tube