

UCB-BYU-UCLA
ZETAS-SaU-METU
 Joint Research
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Project Name: Geotechnical Site Investigations at Lateral Spread Sites
Location: Sapanca Hotel, Sapanca
Date: August 23, 2000
Field Log by: K. Ö. Çetin
Operator: ZETAS (Zemin Teknolojisi, A. S.)
Drilling Method: Rotary wash with 9 cm-diameter tricone bit
Water Table Elevation: 1.20 m
Notes:

Test ID: SPT-SH11
GPS Coordinates: 40.69852°N 30.26563°E
Elevation:
Drilling Equipment: Custom made, equivalent to Crealius XC90H
Responsible Engineers: K. Ö. Çetin and M. T. Yılmaz, M.E.T.U.
SPT System: Rope, pulley and cathead method. AWJ rods.
Hammer Type: Safety Hammer (per Kovacs et al. 1983)

Depth Scale (m)	Lithology	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 μ m	< 5 μ m (%)	< 2 μ m (%)	D50 (mm)	D10 (mm)	Remarks
0									SM: Dark gray gravelly silty sand											
1		SM	S-SH11-1	20/45	6-6-3	1.50	4.27	60					NP	NP	14	-	-	1.9	<0.07	
2		GW-GM	S-SH11-2	13/45	9-7-4	2.62	5.80	64					NP	NP	9	-	-	5.8	0.12	
3		ML	S-SH11-3	30/45	2-3-4	3.50	7.32	65					NP	NP	66	-	-	<0.07	<0.07	
4		SW-SM	S-SH11-4	0/45	1-1-1	4.40	7.32	53					NP	NP	10	-	-	1.8	0.07	
5		SW-SM	S-SH11-5	25/45	5-6-7	5.40	8.84	56					NP	NP	11	-	-	1.9	<0.07	
6		SW-SM	S-SH11-6	26/45	6-6-7	6.40	10.37						NP	NP	8	-	-	3.0	0.11	
7		SM	S-SH11-7	19/45	2-5-8	7.40	11.89	57					NP	NP	12	-	-	1.1	<0.07	
8		SW-SM	S-SH11-8	24/45	2-2-4	8.40	11.89	62					NP	NP	7	-	-	2.4	0.21	
9		SM	S-SH11-9	12/45	10-5-6	9.40	13.42	63					NP	NP	21	-	-	0.42	<0.07	
10			S-SH11-10	0/45	6-9-10	10.61	13.42	60												
11																				

Legend
 S: Spit Spoon (SPT) SH: Shelby Tube * Estimated Energy Ratio NP: Nonplastic