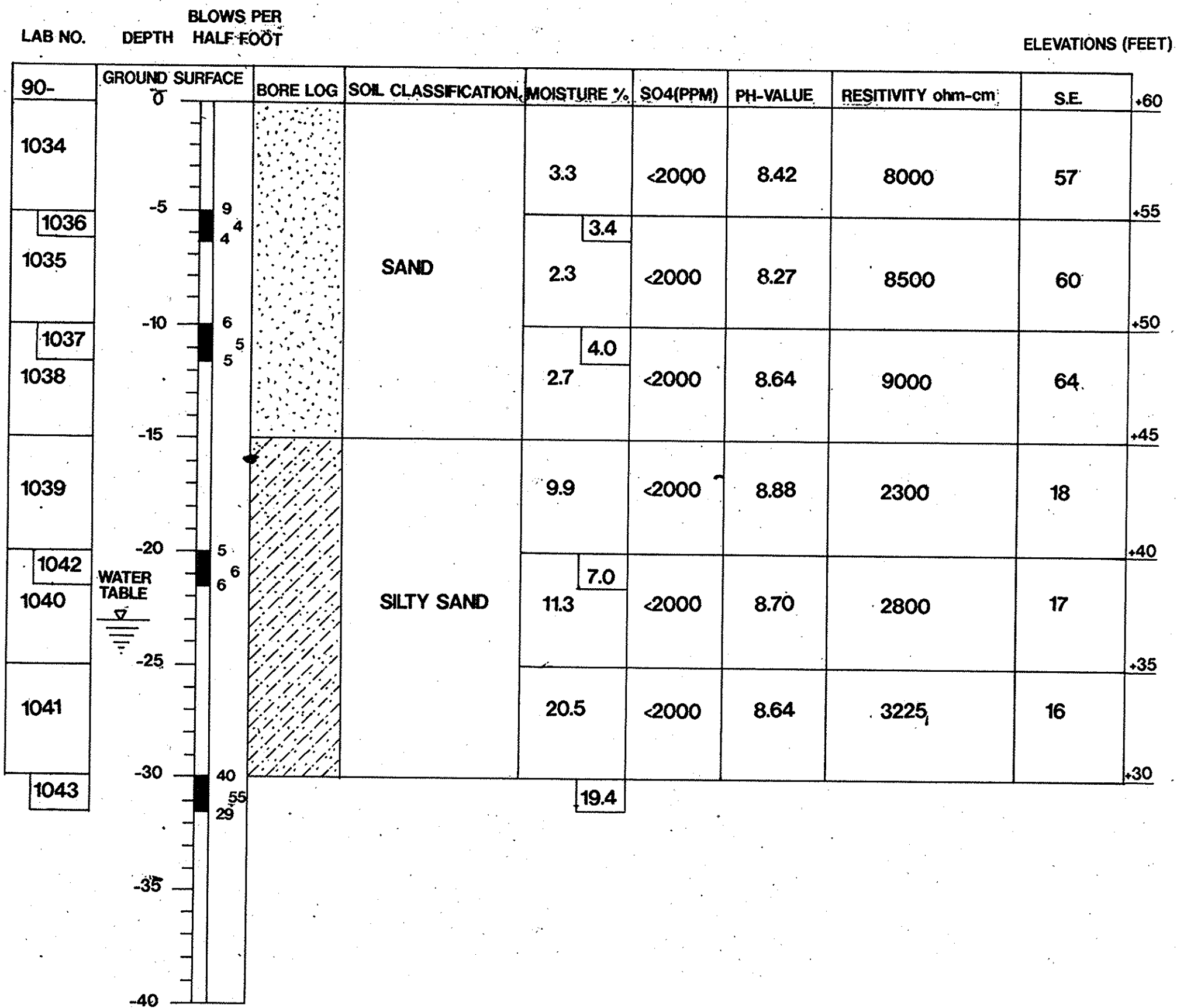
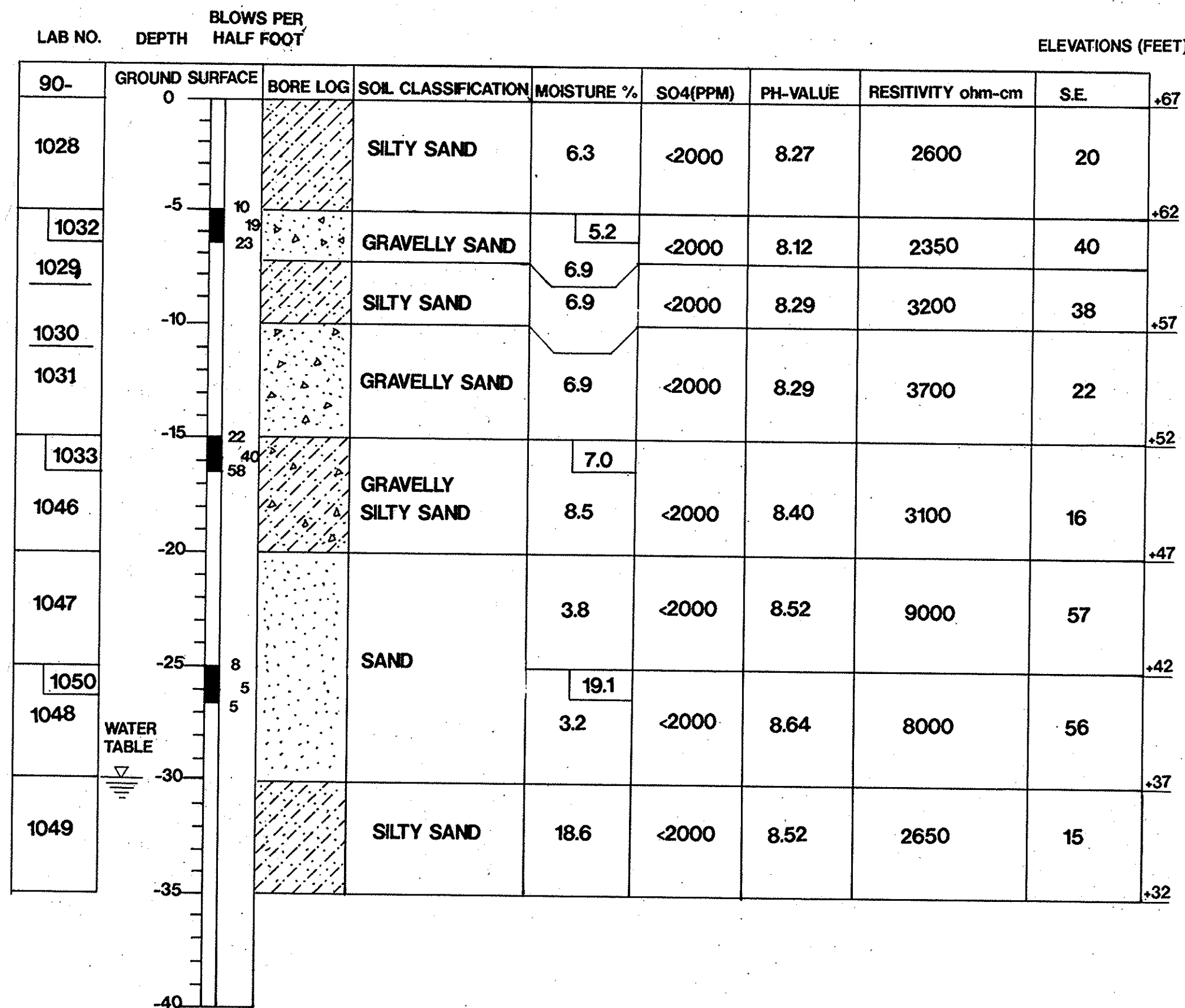


BORE LOG 1

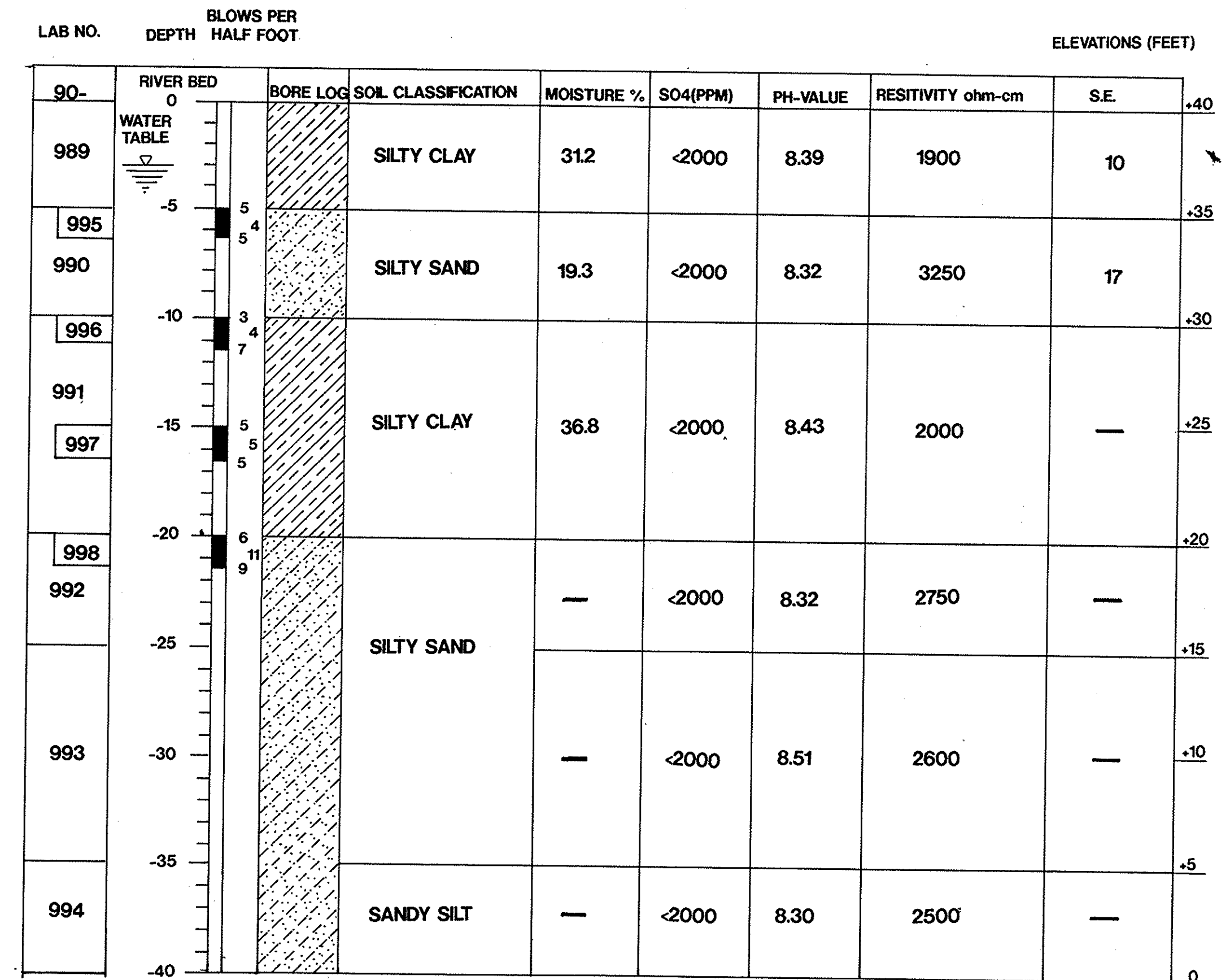
12/17/90
12/18/90

BORE LOG 2

12/12/90
12/20/90

BORE LOG 3

12/4/90



DRIVE SAMPLE DATA

LAB NO.	DEPTH (ft)	Φ (")	C (psf)	γ _d (pcf)
1036	6	34	400	—
1037	11	32	750	96.7
1042	21	36	450	100.5
1043	31	43	650	103.9

NOTE: FIGURES IN SMALL RECTANGLES REFER TO DRIVE SAMPLES

DRIVE SAMPLE DATA

LAB NO.	DEPTH (ft)	Φ (")	C (psf)	γ _d (pcf)
1032	6	42	0	117.0
1033	16	50	100	119.5
1050	26	48	200	100.1

NOTE: FIGURES IN SMALL RECTANGLES REFER TO DRIVE SAMPLES

DRIVE SAMPLE DATA

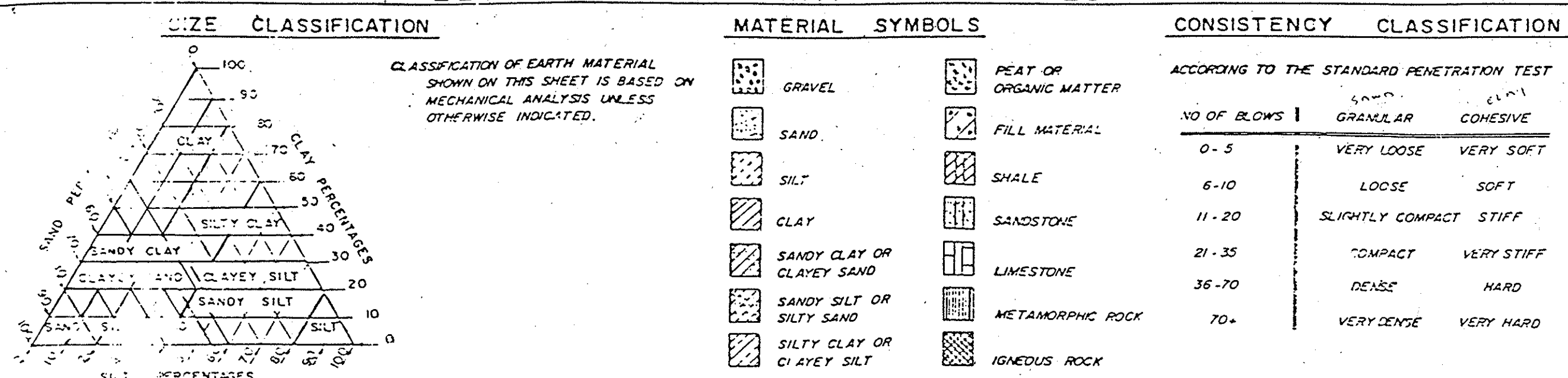
LAB NO.	DEPTH (ft)	Φ (")	C (psf)	γ _d (pcf)
995	6	39	50	—
996	11	26	450	103.5
997	16	45	50	101.2
998	21	23	0	94.8

NOTE: FIGURES IN SMALL RECTANGLES REFER TO DRIVE SAMPLES

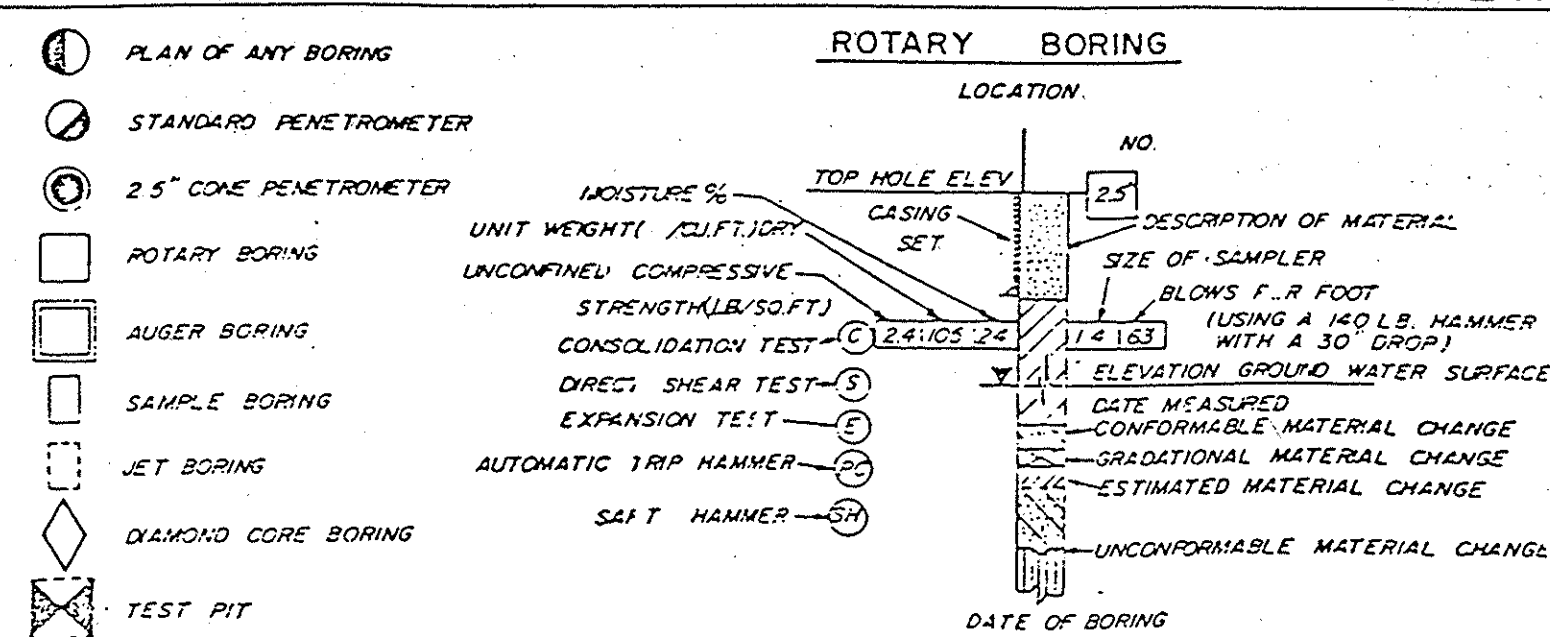
RECORD DRAWING

1 1/2 0 1 2
3 inches on original drawing

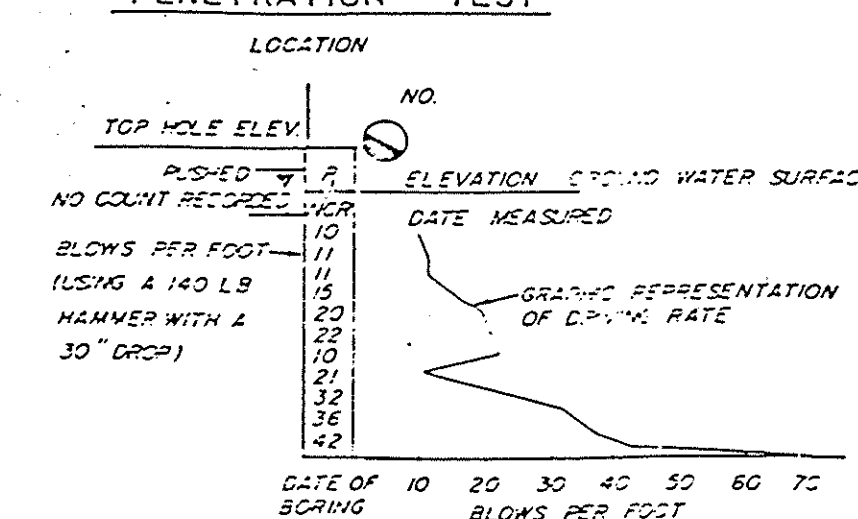
LEGEND OF EARTH MATERIALS



LEGEND OF BORING OPERATIONS



PENETRATION TEST

ORANGE COUNTY
ENVIRONMENTAL MANAGEMENT AGENCYHARBOR BLVD BRIDGE
AT SANTA ANA RIVER
SOIL INVESTIGATION

MARK	DATE	DESCRIPTION	PREPARED UNDER SUPERVISION OF	DATE	SHEET
			Edward Kwan		32
DESIGNED		REVISIONS	SCALE	DATE	DWG. NO.
DRAWN			AS SHOWN	JAN. 1991	OF 60