

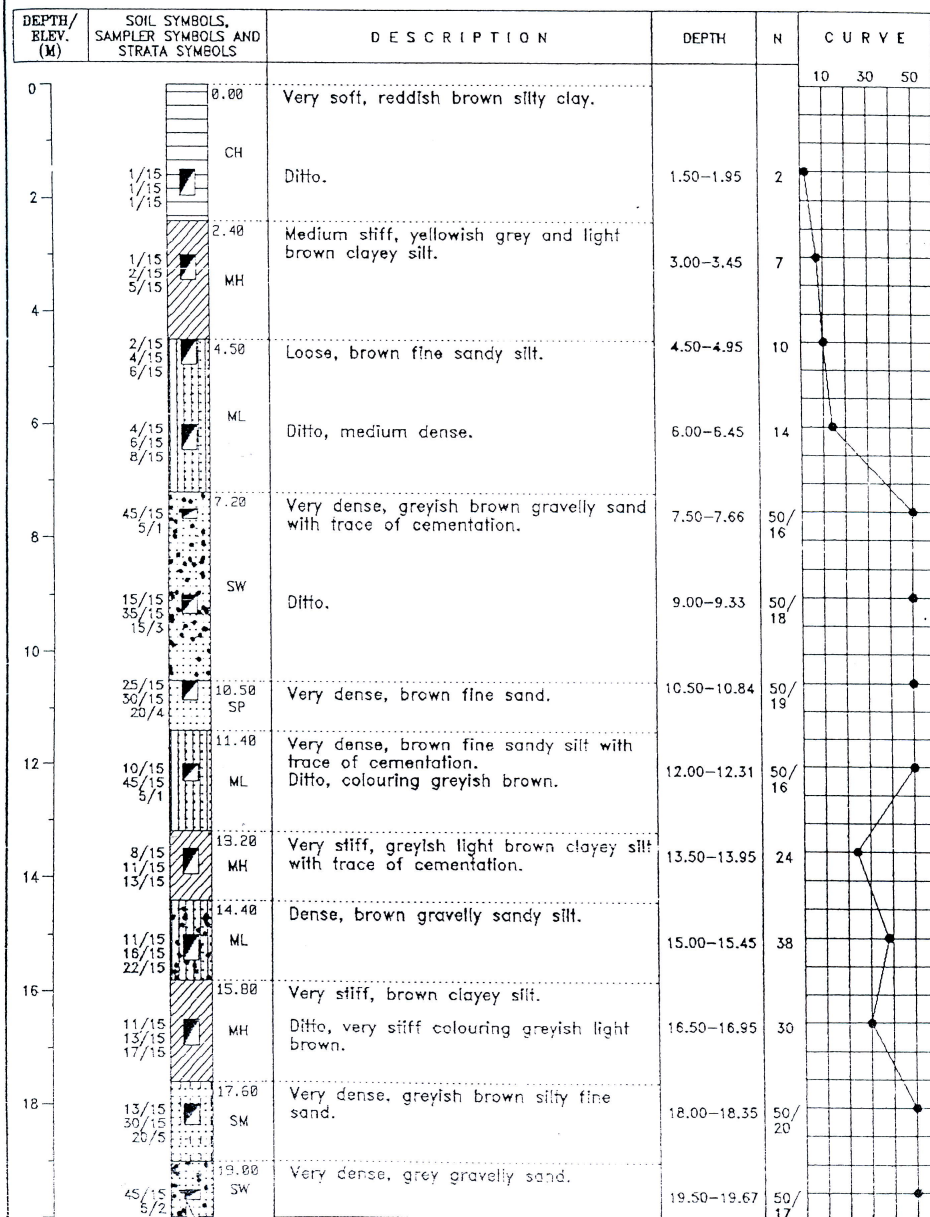
DAFTAR LAMPIRAN

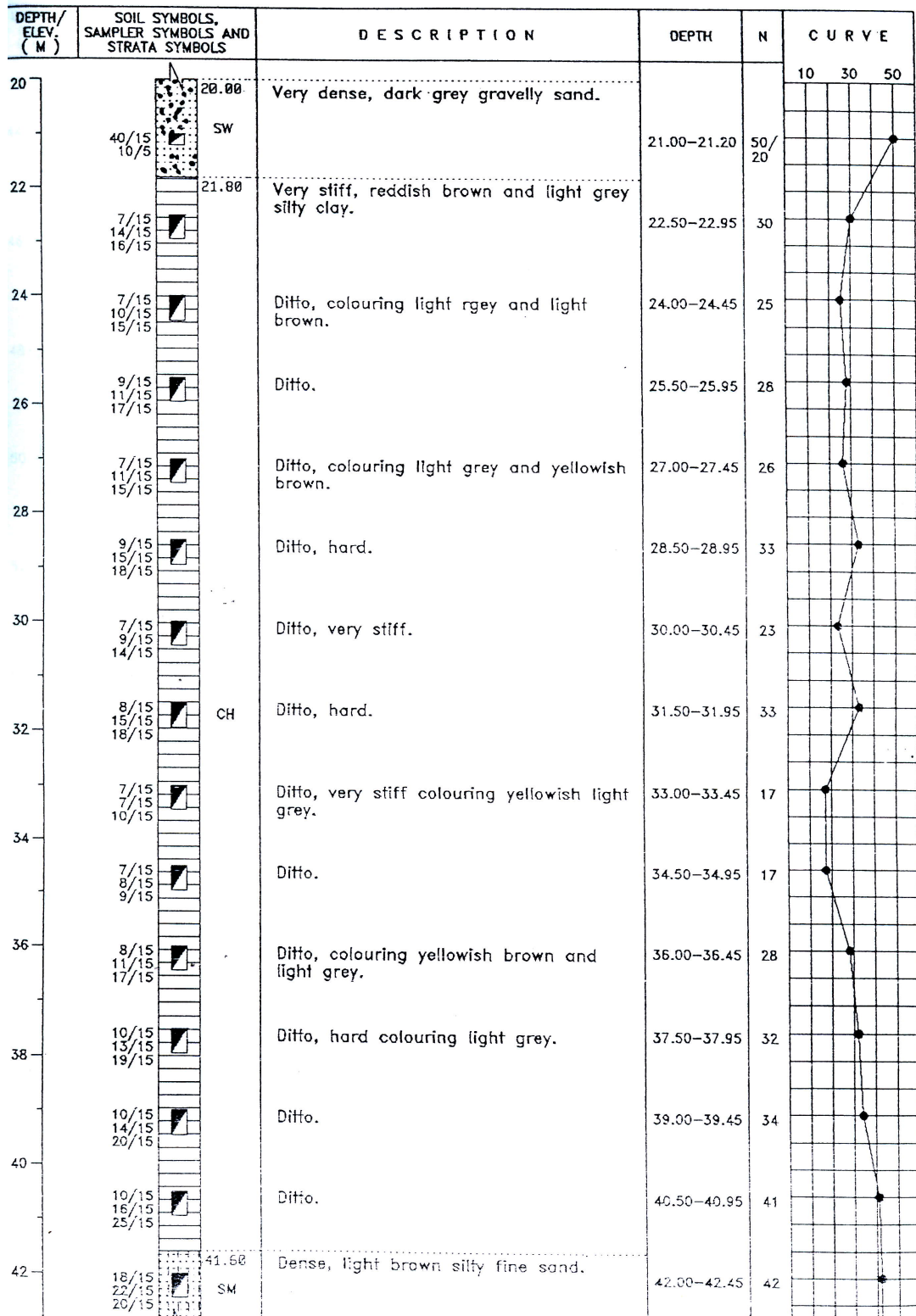
- L.1 Hasil *Standard Penetration Test* di Titik BH-1
- L.2 *Output PDA test*

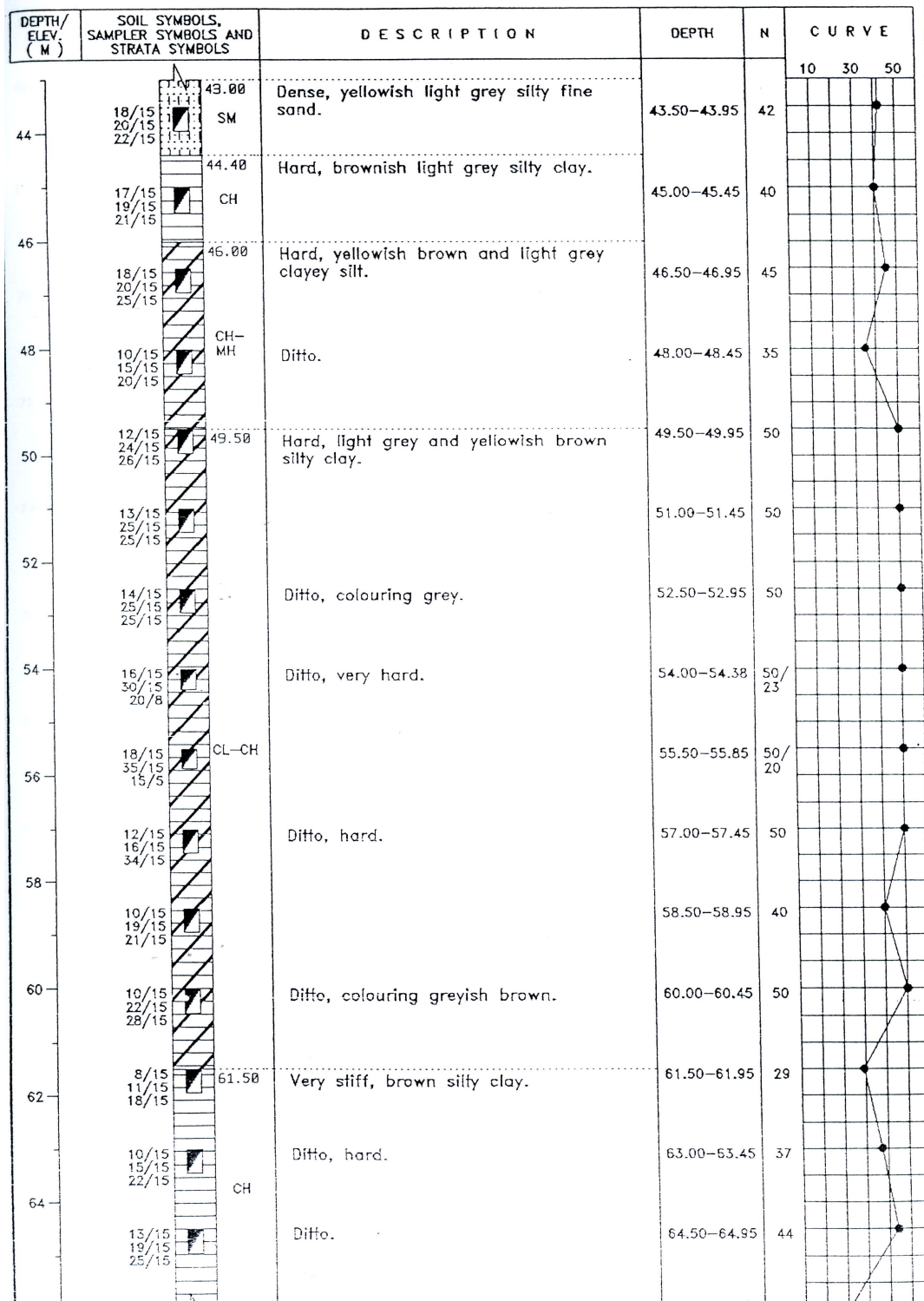
LAMPIRAN I
HASIL STANDARD PENETRATION TEST
DI TITIK BH-1

BORING PROFILE

PROJECT	: THE ICON APARTMENT	COORDINATE :
LOCATION/SECTION	: JL SETIABUDI - JAKARTA	N =
BORING No.	: BH.1	E =
ELEVATION	: -	
GROUND WATER LEVEL	: -	

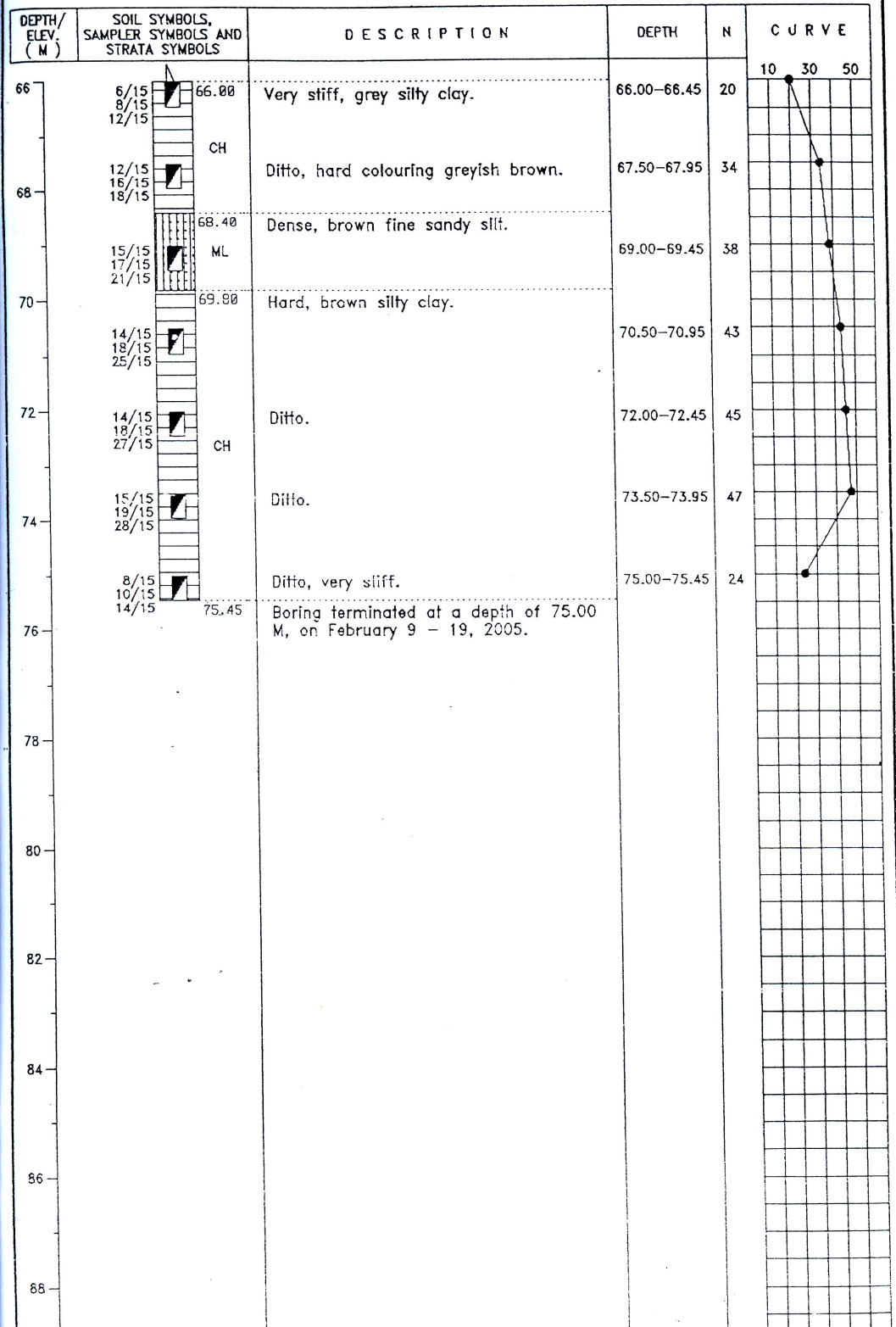






Project : THE ICON APARTMENT

Boring No.: BH.1



LAMPIRAN II

OUTPUT PDA TEST

EXTREMA TABLE

File Sgmnt No.	Dist. Below Gages	max. Force	min. Force	max. Comp. Stress	max. Tens. Stress	max. Trnsfd. Energy	max. Veloc.	max. Displ.
	m	tons	tons	tons/cm ²	tons/cm ²	tonne-m	m/s	mm
1	1.0	1934.9	-152.4	0.178	-0.014	12.41	2.0	8.524
2	2.0	1952.1	-168.0	0.179	-0.015	12.30	1.9	8.351
5	5.1	2043.6	-233.7	0.188	-0.021	12.03	1.8	7.851
8	8.1	1948.0	-253.4	0.179	-0.023	10.74	1.7	7.439
11	11.2	1806.2	-237.0	0.166	-0.022	9.36	1.6	7.071
14	14.2	1646.1	-206.0	0.151	-0.019	8.17	1.6	6.678
17	17.3	1590.0	-192.3	0.146	-0.018	7.52	1.5	6.231
20	20.3	1627.8	-198.7	0.150	-0.018	7.11	1.4	5.709
23	23.4	1591.5	-204.2	0.146	-0.019	6.27	1.3	5.143
26	26.4	1452.3	-210.9	0.133	-0.019	5.12	1.2	4.584
29	29.5	1365.3	-214.5	0.125	-0.020	4.23	1.1	4.028
32	32.5	1234.6	-199.1	0.113	-0.018	3.29	1.0	3.456
35	35.6	1151.9	-167.7	0.106	-0.015	2.53	0.9	2.876
38	38.6	1042.9	-143.0	0.096	-0.013	1.88	0.7	2.346
41	41.7	827.8	-119.7	0.076	-0.011	1.32	0.6	2.133
44	44.7	670.3	-289.8	0.062	-0.027	0.94	0.5	2.221
45	45.7	597.4	-293.1	0.055	-0.027	0.83	0.5	2.299
46	46.8	501.9	-276.0	0.046	-0.025	0.71	0.6	2.386
47	47.8	399.5	-243.7	0.037	-0.022	0.59	0.6	2.468
48	48.8	323.1	-201.1	0.030	-0.018	0.49	0.7	2.540
49	49.8	236.9	-152.2	0.022	-0.014	0.33	0.7	2.595
Absolute	5.1			0.188			(T =	24.1 ms)
	45.7				-0.027		(T =	39.7 ms)

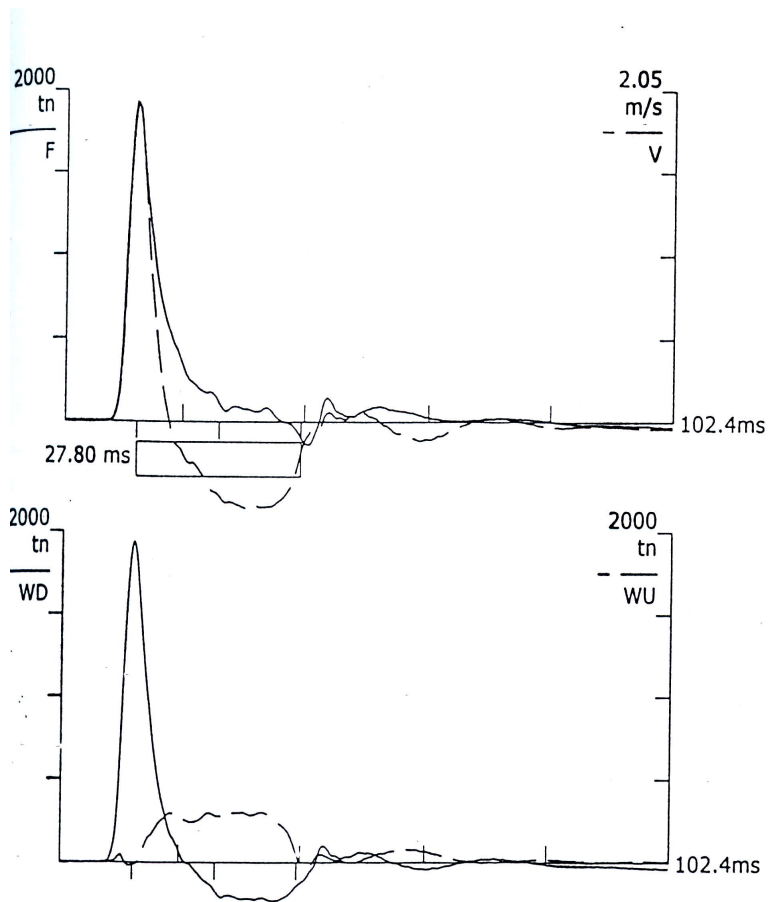
CASE METHOD

J =	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
RS1	1977.4	1787.8	1598.3	1408.7	1219.1	1029.5	839.9	650.4	460.8	271.2
RMX	1977.4	1787.8	1598.3	1408.7	1219.1	1029.5	839.9	650.4	460.8	271.2
RSU	2291.5	2133.3	1975.2	1817.0	1658.8	1500.7	1342.5	1184.3	1026.1	868.0

RAU= 1.2 (tons); RA2= 511.4 (tons)

Current CAPWAP Ru= 1650.2 (tons); Corresponding J(Rs)= 0.17; J(Rx)=0.17

VMX	VFN	VT1+Z	FT1	FMX	DMX	DFN	EMX	RLT
m/s	m/s	tons	tons	tons	mm	mm	tonne-m	tons
2.00	0.00	1950.7	1922.5	1922.5	8.637	0.100	12.5	2864.1



BN 9
 24/08/2006 8:11:09
 RSU 1643 tn
 FMX 1923 tn
 CTN -272 tn
 EMX 12.51 tn-m
 DMX 9 mm
 DFN 0 mm
 BTA 100.0 (%)
 STK 0.0 m
 BPM 0.0 bpm

 LE 49.8 m
 AR 10880.30 cm²
 EM 321 t/cm²
 SP 2.45 t/m³
 WS 3582.7 m/s
 EA/C 973.9 tn-s/m
 LP 49.7 m

KODE	KETERANGAN	Tiang:ICON-272
BN	Pukulan	9
RSU	Daya dukung tiang [ton]	1643
FMX	Gaya tekan maksimum [ton]	1923
CTN	Gaya tarik maksimum [ton]	272
EMX	Energi maksimum yang ditransfer [tonm]	12,51
DMX	Penurunan maksimum [mm]	9
DFN	Penurunan permanen [mm]	0
BTA	Nilai keutuhan tiang [%], tiang baik	100
STK	Tinggi jatuh palu [m], drop hammer	0
BPM	Banyak pukulan per menit, drop hammer	0
LE	Panjang tiang di bawah instrument [m]	49,8
LP	Panjang tiang tertanam [m]	49,7
AR	Luas penampang tiang [cm ²]	10880,3

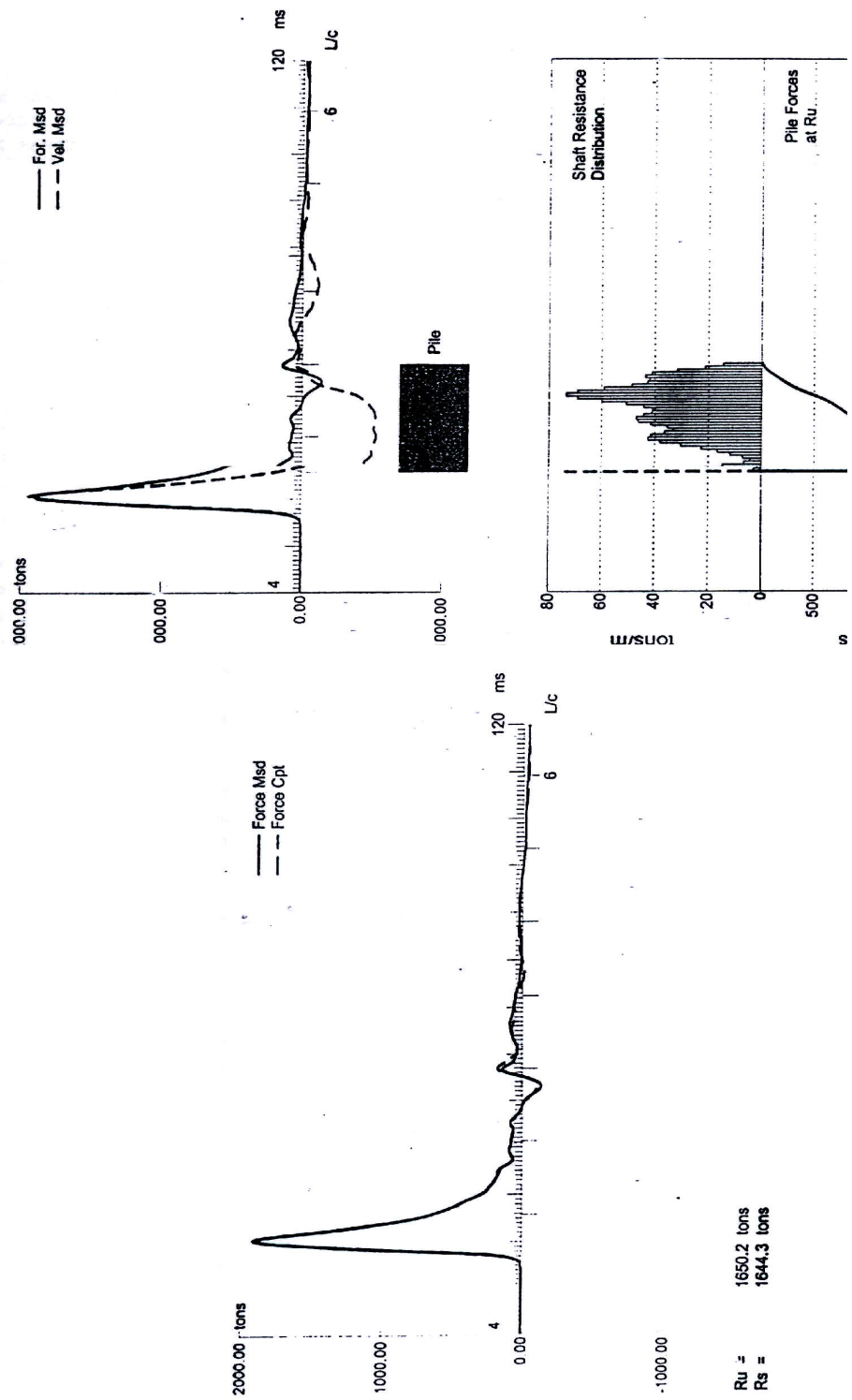
PILE PROFILE AND PILE MODEL

Depth m	Area cm ²	E-Modulus tons/cm ²	Spec. Weight tons/m ³	Circumf. m
0.00	10880.30	320.7	2.450	3.700
49.80	10880.30	320.7	2.450	3.700

Toe Area 1.088 m²

Segmnt Number	Dist. B.G. m	Impedance		Imped. Change %	Slack mm	Tension		Compression		Circ. m
		tons/m/s				Eff.	Slack mm	Eff.		
1	1.02	973.89		0.00	0.000	0.000	0.000	0.000	0.000	3.700
2	2.03	950.00		-2.45	0.000	0.000	0.000	0.000	0.000	3.700
6	6.10	973.89		0.00	0.000	0.000	0.000	0.000	0.000	3.700
49	49.80	973.89		0.00	0.000	0.000	0.000	0.000	0.000	3.700

File Damping 4.0 %, Time Incr 0.284 ms, Wave Speed 3582.8 m/s



CAPWAP FINAL RESULTS

Total CAPWAP Capacity: 1650.2; along Shaft 1644.3; at Toe 6.0 tons

Soil Sgmt No.	Dist. Below Gages m	Depth Below Grade m	Ru tons	Force in Pile tons	Sum of Ru tons	Unit Resist. (Depth) tons/m	Unit Resist. (Area) tons/m ²	Smith Damping Factor s/m	Quake mm
				1650.2					
1	1.0	0.9	3.2	1647.1	3.2	3.12	0.84	0.731	0.540
2	2.0	1.9	1.7	1645.4	4.8	1.64	0.44	0.731	0.540
3	3.0	2.9	0.7	1644.7	5.5	0.65	0.18	0.731	0.540
4	4.1	4.0	5.1	1639.7	10.6	4.97	1.34	0.731	0.540
5	5.1	5.0	16.1	1623.6	26.6	15.79	4.27	0.731	0.540
6	6.1	6.0	29.3	1594.4	55.9	28.79	7.78	0.731	0.540
7	7.1	7.0	38.1	1556.2	94.0	37.51	10.14	0.731	0.540
8	8.1	8.0	38.1	1518.2	132.0	37.44	10.12	0.731	0.540
9	9.1	9.0	32.2	1486.0	164.3	31.69	8.57	0.731	0.540
10	10.2	10.1	28.6	1457.4	192.8	28.10	7.59	0.731	0.540
11	11.2	11.1	29.6	1427.9	222.4	29.09	7.86	0.731	0.540
12	12.2	12.1	31.0	1396.8	253.4	30.52	8.25	0.731	0.540
13	13.2	13.1	29.2	1367.6	282.6	28.76	7.77	0.731	0.540
14	14.2	14.1	23.6	1344.0	306.3	23.25	6.28	0.731	0.540
15	15.2	15.1	15.1	1328.9	321.3	14.83	4.01	0.731	0.540
16	16.3	16.2	7.1	1321.8	328.4	6.99	1.89	0.731	0.540
17	17.3	17.2	4.4	1317.4	332.9	4.36	1.18	0.731	0.540
18	18.3	18.2	7.4	1310.0	340.3	7.28	1.97	0.731	0.540
19	19.3	19.2	12.3	1297.7	352.5	12.06	3.26	0.731	0.540
20	20.3	20.2	17.1	1280.6	369.6	16.85	4.55	0.731	0.540
21	21.3	21.2	23.2	1257.4	392.8	22.79	6.16	0.731	0.540
22	22.4	22.3	31.0	1226.5	423.8	30.47	8.24	0.731	0.540
23	23.4	23.3	38.7	1187.7	462.5	38.11	10.30	0.731	0.540
24	24.4	24.3	43.3	1144.4	505.8	42.60	11.51	0.731	0.540
25	25.4	25.3	42.2	1102.2	548.0	41.55	11.23	0.731	0.540
26	26.4	26.3	37.1	1065.1	585.1	36.51	9.87	0.731	0.540
27	27.4	27.3	33.6	1031.5	618.8	33.10	8.95	0.731	0.540
28	28.5	28.4	36.0	995.5	654.7	35.39	9.56	0.731	0.540
29	29.5	29.4	42.1	953.3	696.9	41.47	11.21	0.731	0.540
30	30.5	30.4	47.1	906.2	744.0	46.34	12.53	0.731	0.540
31	31.5	31.4	47.8	858.5	791.8	47.02	12.71	0.731	0.540
32	32.5	32.4	44.9	813.5	836.7	44.22	11.95	0.731	0.540
33	33.5	33.4	41.8	771.7	878.5	41.16	11.12	0.731	0.540
34	34.6	34.5	41.6	730.1	920.1	40.91	11.06	0.731	0.540
35	35.6	35.5	45.0	685.1	965.1	44.25	11.96	0.731	0.540
36	36.6	36.5	51.6	633.6	1016.7	50.76	13.72	0.731	0.540
37	37.6	37.5	61.0	572.5	1077.7	60.03	16.22	0.731	0.540
38	38.6	38.5	70.5	502.0	1148.2	69.41	18.76	0.731	0.540
39	39.6	39.5	74.8	427.2	1223.0	73.59	19.89	0.731	0.540
40	40.7	40.6	70.5	356.7	1293.5	69.36	18.75	0.731	0.524

Total CAPWAP Capacity: 1650.2; along Shaft 1644.3; at Toe 6.0 tons

Soil Sgmt No.	Dist. Below Gages m	Depth Below Grade m	Ru tons	Force in Pile tons	Sum of Ru tons	Unit Resist. (Depth) tons/m	Unit Resist. (Area) tons/m ²	Smith Damping Factor s/m	Quake mm
41	41.7	41.6	60.1	296.6	1353.7	59.17	15.99	0.731	0.489
42	42.7	42.6	49.6	247.0	1403.2	48.79	13.19	0.731	0.464
43	43.7	43.6	43.5	203.5	1446.7	42.79	11.56	0.731	0.446
44	44.7	44.6	42.7	160.8	1489.4	41.97	11.34	0.731	0.436
45	45.7	45.6	44.3	116.6	1533.7	43.57	11.78	0.731	0.430
46	46.8	46.7	41.8	74.7	1575.5	41.16	11.12	0.731	0.428
47	47.8	47.7	32.1	42.6	1607.6	31.60	8.54	0.731	0.431
48	48.8	48.7	21.7	20.9	1629.4	21.38	5.78	0.731	0.437
49	49.8	49.7	14.9	6.0	1644.3	14.68	3.97	0.731	0.540
Avg. Skin			33.6			33.08	8.92	0.731	0.521
Toe			6.0				5.48	45.771	2.480
Soil Model Parameters/Extensions						Skin	Toe		
Case Damping Factor						1.235	0.280	Smith Type	
Reloading Level		(% of Ru)			100	100			
Unloading Level		(% of Ru)			0				
Soil Plug Weight		(tons)				5.24			

CAPWAP match quality: 1.15 (Wave Up Match)
 Observed: final set = 0.100 mm; blow count = 10000 b/m
 Computed: final set = 2.067 mm; blow count = 484 b/m