

EA Technology Job No.	T3160
Site	Vertex Training Centre
Date of Tests	16-Dec-99
Location of Test	Vertex Training Centre
Weather Conditions	Dry, cold
Ground Conditions	Damp
Comments	

**Pole 1 - Perma-Soil**

Electrode Spacing (a) metres	Electrode Depth (d) cms	Test 1		Test 2		Average Resistivity (6.283aR) ohm-metres
		Resistance (R) ohms	Resistivity (6.283aR) ohm-metres	Resistance (R) ohms	Resistivity (6.283aR) ohm-metres	
0.5	2	77.8	244	118.4	372	308.18
1	5	81.7	513	103.6	651	582.12
1.5	5	72.3	681	76.4	720	700.71
2	10	71.5	898	78.4	985	941.82

**Pole 2 - Excavated ground**

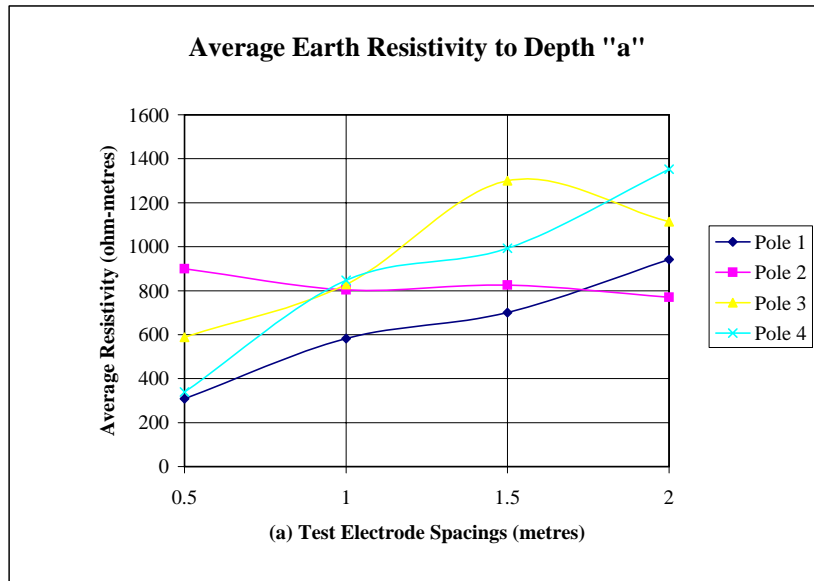
Electrode Spacing (a) metres	Electrode Depth (d) cms	Test 1		Test 2		Average Resistivity (6.283aR) ohm-metres
		Resistance (R) ohms	Resistivity (6.283aR) ohm-metres	Resistance (R) ohms	Resistivity (6.283aR) ohm-metres	
0.5	2	261	820	312	980	900.04
1	5	131	823	125	785	804.22
1.5	5	90.7	855	84.5	796	825.59
2	10	59.1	743	63.4	797	769.67

**Pole 3 - Excavated ground**

Electrode Spacing (a) metres	Electrode Depth (d) cms	Test 1		Test 2		Average Resistivity (6.283aR) ohm-metres
		Resistance (R) ohms	Resistivity (6.283aR) ohm-metres	Resistance (R) ohms	Resistivity (6.283aR) ohm-metres	
0.5	2	175.7	552	198.5	624	587.77
1	5	108.2	680	155.4	976	828.10
1.5	5	94.4	890	181.5	1711	1300.11
2	10	85.5	1074	91.7	1152	1113.35

**Pole 4 - Excavated ground**

Electrode Spacing (a) metres	Electrode Depth (d) cms	Test 1		Test 2		Average Resistivity (6.283aR) ohm-metres
		Resistance (R) ohms	Resistivity (6.283aR) ohm-metres	Resistance (R) ohms	Resistivity (6.283aR) ohm-metres	
0.5	2	106.9	336	108.7	341	338.65
1	5	152.3	957	117.5	738	847.58
1.5	5	110.2	1039	100.4	946	992.40
2	10	106.9	1343	108.4	1362	1352.73



EA Technology Job No.	T3160
Site	Vertex Training Centre
Date of Tests	10-Jan-00
Location of Test	Vertex Training Centre
Weather Conditions	Dry, cold
Ground Conditions	Damp
Comments	

**Pole 5 - Augered Hole (No Perma-Soil)**

Electrode Spacing (a) metres	Electrode Depth (d) cms	Test 1		Test 2		Average Resistivity (6.283aR) ohm-metres
		Resistance (R) ohms	Resistivity (6.283aR) ohm-metres	Resistance (R) ohms	Resistivity (6.283aR) ohm-metres	
0.5	2	337	1059	257	807	933.03
1	5	178	1118	181	1137	1127.80
1.5	5	109	1027	114.6	1080	1053.66
2	10	78.4	985	81.8	1028	1006.54

**Pole 6 - Augered Hole With Perma-Soil**

Electrode Spacing (a) metres	Electrode Depth (d) cms	Test 1		Test 2		Average Resistivity (6.283aR) ohm-metres
		Resistance (R) ohms	Resistivity (6.283aR) ohm-metres	Resistance (R) ohms	Resistivity (6.283aR) ohm-metres	
0.5	2	76.1	239	64.2	202	220.38
1	5	47.7	300	93.8	589	444.52
1.5	5	67.9	640	94.9	894	767.15
2	10	60	754	78.5	986	870.20

**Pole 7 - Excavated Ground With Perma-Soil / Single Block**

Electrode Spacing (a) metres	Electrode Depth (d) cms	Test 1		Test 2		Average Resistivity (6.283aR) ohm-metres
		Resistance (R) ohms	Resistivity (6.283aR) ohm-metres	Resistance (R) ohms	Resistivity (6.283aR) ohm-metres	
0.5	2	153.2	481	118.7	373	427.09
1	5	108.6	682	113.3	712	697.10
1.5	5	64.8	611	99.4	937	773.75
2	10	53.2	669	75.4	947	807.99

**Pole 8 - Excavated Ground With Perma-Soil / Double Block**

Electrode Spacing (a) metres	Electrode Depth (d) cms	Test 1		Test 2		Average Resistivity (6.283aR) ohm-metres
		Resistance (R) ohms	Resistivity (6.283aR) ohm-metres	Resistance (R) ohms	Resistivity (6.283aR) ohm-metres	
0.5	2	54.3	171	51.7	162	166.50
1	5	52.1	327	43.7	275	300.96
1.5	5	63	594	32.7	308	450.96
2	10	57	716	33.9	426	571.12

