



Date of Issue: as page 1  
Contract: SPT LTD EXAMPLE

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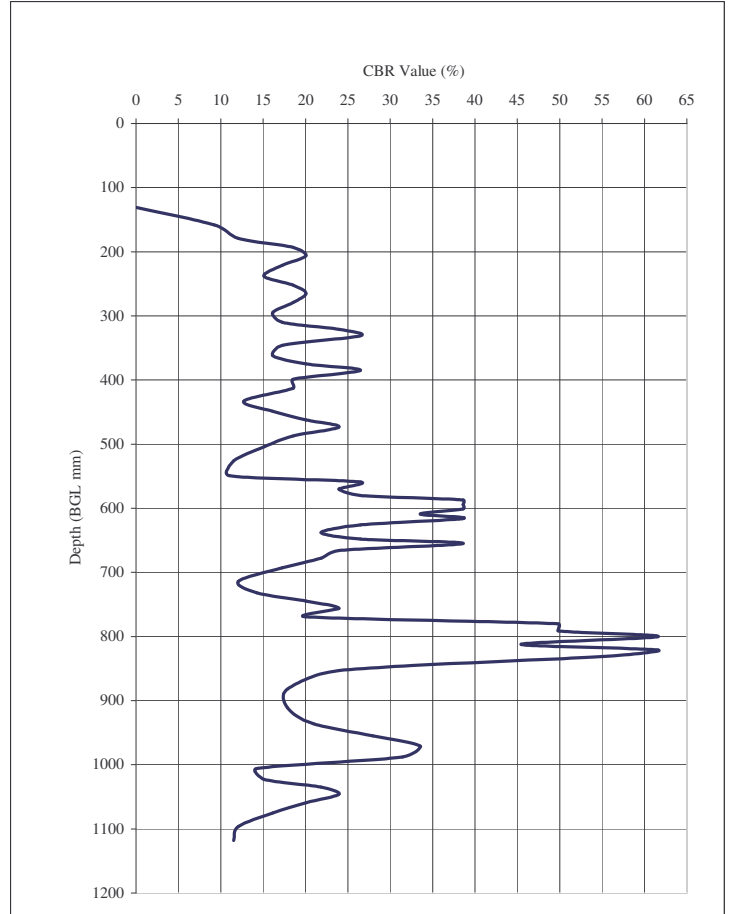
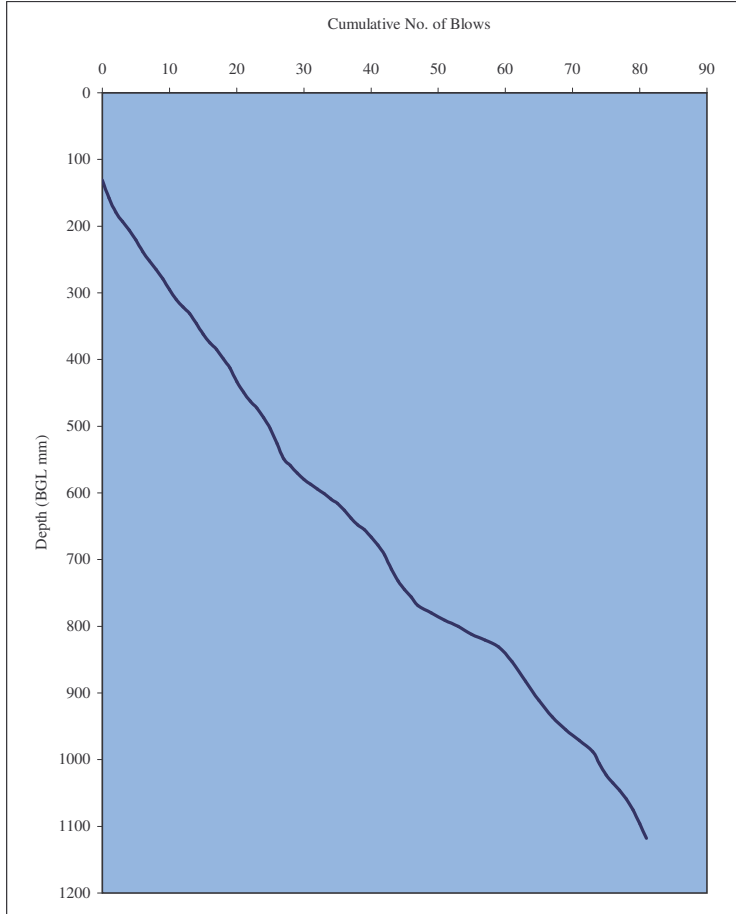
**TRL Dynamic Cone Penetrometer - Determination of CBR Value (%) and Estimated Layer Stiffness**

*To TRL Report PR/INT/277/04 and CNS Farnell Operating Instructions*

Chainage: Not Applicable  
Test No.: DCP 3  
Location: A New Road  
Direction: Center line of roadway  
Final Depth (mm BGL): 1118  
Date Tested: 17/11/2009

Layers Removed  
Prior to Test: GL to 120mm BGL crushed brick and concrete.  
Easting: Not Supplied  
Northing: Not Supplied  
Existing Level: m OD Not Supplied  
Test Level: m OD Not Supplied

**Dynamic Cone Penetrometer Graph**



Start Depth (mm) BGL	Finish Depth (mm) BGL	No. of Blows	Blows Per Layer	Inferred Geology	DCP Mean mm/Blow per layer	Average Layer CBR Value (%)	Estimated Layer Stiffness Modulus (MPa)
0	120	0	0	Crushed brick and concrete fill removed prior to test.			
120	131	0	0	Brown slightly gravelly sandy CLAY [Glacial Gravel with bunter pebbles]			
131	158	1	1	[Glacial Gravel with bunter pebbles]	27.00	9.27	73
158	580	30	29	[Glacial Gravel with bunter pebbles]	14.55	17.82	111
580	616	35	5	[Glacial Gravel with bunter pebbles]	7.20	37.48	179
616	678	41	6	[Glacial Gravel with bunter pebbles]	10.33	25.58	140
678	732	44	3	[Glacial Gravel with bunter pebbles]	18.00	14.23	96
732	769	47	3	[Glacial Gravel with bunter pebbles]	12.33	21.22	124
769	831	59	12	[Glacial Gravel with bunter pebbles]	5.17	53.23	224
831	936	67	8	[Glacial Gravel with bunter pebbles]	13.13	19.87	119
936	988	73	6	[Glacial Gravel with bunter pebbles]	8.67	30.81	158
988	1118	81	8	[Glacial Gravel with bunter pebbles]	16.25	15.85	103

Remarks:



**TEST REPORT**  
**Soil Property Testing Ltd**



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Initial Zero reading = 77

No. of Blows	Total Blows	Measured Depth (mm BGL)	Corrected Depth (mm BGL)	Penetration (mm/blow)	Log 10 CBR	CBR Value (%)
1	0	88	131	0.00	0.00	0.00
1	1	115	158	27.00	0.97	9.27
1	2	136	179	21.00	1.08	12.09
1	3	150	193	14.00	1.27	18.56
1	4	163	206	13.00	1.30	20.07
1	5	178	221	15.00	1.24	17.25
1	6	195	238	17.00	1.18	15.12
1	7	209	252	14.00	1.27	18.56
1	8	222	265	13.00	1.30	20.07
1	9	236	279	14.00	1.27	18.56
1	10	252	295	16.00	1.21	16.12
1	11	267	310	15.00	1.24	17.25
1	12	278	321	11.00	1.38	23.95
1	13	288	331	10.00	1.42	26.49
1	14	303	346	15.00	1.24	17.25
1	15	319	362	16.00	1.21	16.12
1	16	332	375	13.00	1.30	20.07
1	17	342	385	10.00	1.42	26.49
1	18	356	399	14.00	1.27	18.56
1	19	370	413	14.00	1.27	18.56
1	20	390	433	20.00	1.10	12.73
1	21	406	449	16.00	1.21	16.12
1	22	419	462	13.00	1.30	20.07
1	23	430	473	11.00	1.38	23.95
1	24	444	487	14.00	1.27	18.56
1	25	461	504	17.00	1.18	15.12
1	26	483	526	22.00	1.06	11.51
1	27	506	549	23.00	1.04	10.98
1	28	516	559	10.00	1.42	26.49
1	29	527	570	11.00	1.38	23.95
1	30	537	580	10.00	1.42	26.49
1	31	544	587	7.00	1.59	38.61
1	32	594	594	7.00	1.59	38.61
1	33	601	601	7.00	1.59	38.61
1	34	609	609	8.00	1.53	33.53
1	35	616	616	7.00	1.59	38.61
1	36	703	626	10.00	1.42	26.49
1	37	715	638	12.00	1.34	21.84
1	38	725	648	10.00	1.42	26.49
1	39	732	655	7.00	1.59	38.61
1	40	743	666	11.00	1.38	23.95
1	41	755	678	12.00	1.34	21.84
1	42	770	693	15.00	1.24	17.25
1	43	791	714	21.00	1.08	12.09
1	44	809	732	18.00	1.15	14.23
1	45	822	745	13.00	1.30	20.07
1	46	833	756	11.00	1.38	23.95
1	47	846	769	13.00	1.30	20.07
2	49	857	780	5.50	1.70	49.82
2	51	868	791	5.50	1.70	49.82
2	53	877	800	4.50	1.79	61.60
2	55	889	812	6.00	1.66	45.45
2	57	898	821	4.50	1.79	61.60
2	59	908	831	5.00	1.74	55.10
2	61	930	853	11.00	1.38	23.95
2	63	959	882	14.50	1.25	17.88
2	65	988	911	14.50	1.25	17.88
2	67	1013	936	12.50	1.32	20.92
2	69	1032	955	9.50	1.45	27.96
2	71	1048	971	8.00	1.53	33.53
2	73	1065	988	8.50	1.50	31.45
1	74	963	1006	18.00	1.15	14.23
1	75	980	1023	17.00	1.18	15.12
1	76	992	1035	12.00	1.34	21.84
1	77	1003	1046	11.00	1.38	23.95
1	78	1016	1059	13.00	1.30	20.07
1	79	1032	1075	16.00	1.21	16.12
1	80	1053	1096	21.00	1.08	12.09
1	81	1075	1118	22.00	1.06	11.51

