

[illegible]

Company information:	
Name:	LandTest Limited
Address:	300 Cashel Street
Zip code:	8011
City:	Christchurch
P.IVA:	
E-Mail:	info@landtest.co.nz
Phone number:	0800 837837
Fax number:	
Site information:	
Name:	Marlborough Stop Banks
Date:	20/02/2017
Commissioner:	
Locality:	Marlborough
Test information:	
Name:	EQ1
Location:	EQ1
Date:	20/02/2017
Prehole mode:	
Prehole depth [cm]:	0
Hydrostatic line [cm]:	0
Ground level [m]:	0
Latitude:	-41.449357
Longitude:	173.973322
Operator:	Gray Lewis
Comments:	
Probe code:	MKJ330



LandTest

subsurface **ground** investigation

	Qc	Fs	Speed	U2	Tilt	a Factor					
Factors:	192460	31343	10	16925	150151	0.8					
Zeros:	2263	3749	0	15875	3013						
Depth [m]	Qc [MPa]	Fs [KPa]	U2 [KPa]	Rf [%]	U2/Qc [%]	Qc-U2 [MPa]	Tilt [°]	Dist [cm]	Speed [cm/sec]	Qt [MPa]	U2-U0 [KPa]
0.01	0.07	0.1	0.06	0.142857	0.085714	0.06994	2.1	0.036644	0.4	0.070012	-0.0381
0.02	0.03	0.06	1.06	0.2	3.533333	0.02894	1.9	0.069799	0	0.030212	0.8638
0.03	0.15	0.03	1.54	0.02	1.026667	0.14846	1.9	0.102954	2	0.150308	1.2457
0.04	0.23	0.03	4.02	0.013043	1.747826	0.22598	1.9	0.136109	2	0.230804	3.6276
0.05	0.33	0.26	4.37	0.078788	1.324242	0.32563	1.9	0.169264	2	0.330874	3.8795
0.06	0.44	0.51	9.57	0.115909	2.175	0.43043	1.9	0.20242	2	0.441914	8.9814
0.07	0.57	0.73	6.85	0.12807	1.201754	0.56315	1.9	0.235575	2	0.57137	6.1633
0.08	0.79	1.75	1.77	0.221519	0.224051	0.78823	1.9	0.26873	2	0.790354	0.9852
0.09	0.88	2.52	0.89	0.286364	0.101136	0.87911	1.9	0.301885	2	0.880178	0.0071
0.1	0.98	3.38	1.06	0.344898	0.108163	0.97894	1.9	0.33504	2	0.980212	0.079
0.11	1.09	4.34	0.83	0.398165	0.076147	1.08917	1.9	0.368195	1.9	1.090166	-0.2491
0.12	1.21	4.43	1.06	0.366116	0.087603	1.20894	1.9	0.401351	1.9	1.210212	-0.1172
0.13	1.29	5.49	0.53	0.425581	0.041085	1.28947	1.9	0.434506	2	1.290106	-0.7453
0.14	1.35	8.42	0.3	0.623704	0.022222	1.3497	1.9	0.467661	2	1.35006	-1.0734
0.15	1.32	10.27	0.12	0.77803	0.009091	1.31988	1.9	0.500816	2	1.320024	-1.3515
0.16	1.36	11.04	0.12	0.811765	0.008824	1.35988	1.9	0.533971	2	1.360024	-1.4496
0.17	1.48	12.09	1.12	0.816892	0.075676	1.47888	1.9	0.567127	1.9	1.480224	-0.5477
0.18	1.65	12.41	1.6	0.752121	0.09697	1.6484	1.9	0.600282	1.9	1.65032	-0.1658
0.19	2.14	13.56	1.77	0.633645	0.08271	2.13823	1.8	0.631693	2	2.140354	-0.0939
0.2	2.36	15.35	0.89	0.650424	0.037712	2.35911	1.9	0.664848	2	2.360178	-1.072
0.21	2.21	17.74	-0.12	0.802715	-0.00543	2.21012	1.8	0.696258	2	2.209976	-2.1801
0.22	2.11	22.05	-0.83	1.045024	-0.039336	2.11083	1.8	0.727669	2	2.109834	-2.9882
0.23	2.03	23.07	-1.89	1.136453	-0.093103	2.03189	1.8	0.75908	2	2.029622	-4.1463
0.24	2.13	25.3	-1.42	1.187793	-0.066667	2.13142	1.8	0.790491	2	2.129716	-3.7744
0.25	1.88	24.73	-1.89	1.315426	-0.100532	1.88189	1.8	0.821901	2	1.879622	-4.3425
0.26	1.6	27.73	-0.47	1.733125	-0.029375	1.60047	1.8	0.853312	2	1.599906	-3.0206
0.27	1.73	28.08	-0.35	1.623121	-0.020231	1.73035	1.6	0.881234	2	1.72993	-2.9987
0.28	1.89	26.99	-1.6	1.428042	-0.084656	1.8916	1.6	0.909156	2	1.88968	-4.3468
0.29	1.37	28.01	-2.6	2.044526	-0.189781	1.3726	1.6	0.937077	2	1.36948	-5.4449
0.3	1.43	26.29	5.49	1.838462	0.383916	1.42451	1.6	0.964999	2	1.431098	2.547
0.31	1.61	24.66	4.96	1.531677	0.308075	1.60504	1.6	0.99292	2	1.610992	1.9189
0.32	1.76	23.16	4.25	1.315909	0.241477	1.75575	1.6	1.020842	2	1.76085	1.1108
0.33	1.93	21.73	4.14	1.125907	0.214508	1.92586	1.6	1.048764	2	1.930828	0.9027
0.34	2.05	18.95	4.19	0.92439	0.20439	2.04581	1.6	1.076685	2	2.050838	0.8546
0.35	2.03	14.96	3.78	0.736946	0.186207	2.02622	1.6	1.104607	2	2.030756	0.3465
0.36	1.87	11.9	3.07	0.636364	0.164171	1.86693	1.6	1.132529	2	1.870614	-0.4616
0.37	1.9	10.82	2.84	0.569474	0.149474	1.89716	1.6	1.16045	2	1.900568	-0.7897
0.38	1.9	10.85	2.54	0.571053	0.133684	1.89746	1.6	1.188372	2	1.900508	-1.1878
0.39	1.8	10.98	1.54	0.61	0.085556	1.79846	1.6	1.216294	2	1.800308	-2.2859

13.36	21.64	134.67	-41.6	0.62232	-0.192237	21.6816	7.9	119.644572	2	21.63168	-172.6616
13.37	22.02	128.7	-42.19	0.584469	-0.191599	22.06219	7.9	119.782016	2	22.011562	-173.3497
13.38	22.44	123.86	-42.78	0.551961	-0.190642	22.48278	7.9	119.919461	2	22.431444	-174.0378
13.39	22.93	119.1	-43.31	0.519407	-0.188879	22.97331	7.9	120.056905	1.9	22.921338	-174.6659
13.4	23.93	113.17	-43.9	0.472921	-0.183452	23.9739	7.9	120.19435	1.9	23.92122	-175.354
13.41	24.15	109.82	-43.9	0.454741	-0.181781	24.1939	7.9	120.331794	1.9	24.14122	-175.4521
13.42	24.29	103.95	-44.14	0.427954	-0.181721	24.33414	7.9	120.469239	1.9	24.281172	-175.7902
13.43	24.55	98.04	-57.67	0.399348	-0.234908	24.60767	7.9	120.606684	2	24.538466	-189.4183
13.44	23.51	83.97	-57.49	0.357167	-0.244534	23.56749	7.9	120.744128	2	23.498502	-189.3364
13.45	22.46	128.8	-47.86	0.573464	-0.21309	22.50786	7.9	120.881573	2	22.450428	-179.8045
13.46	21.83	113.55	-48.63	0.520156	-0.222767	21.87863	7.9	121.019017	2	21.820274	-180.6726
13.47	21.33	110.74	-49.34	0.519175	-0.231317	21.37934	7.9	121.156462	2	21.320132	-181.4807
13.48	20.43	115.85	-48.63	0.567058	-0.238032	20.47863	7.9	121.293906	2	20.420274	-180.8688
13.49	19.57	127.01	-48.57	0.649004	-0.248186	19.61857	7.9	121.431351	2	19.560286	-180.9069
13.5	19.31	140	-48.15	0.725013	-0.249353	19.35815	7.9	121.568795	2	19.30037	-180.585
13.51	23.03	149.12	-47.33	0.647503	-0.205515	23.07733	7.8	121.704511	1.8	23.020534	-179.8631
13.52	28.27	145.87	-47.27	0.515989	-0.167209	28.31727	7.9	121.841956	1.8	28.260546	-179.9012
13.53	25.98	137.26	-45.02	0.528329	-0.173287	26.02502	7.8	121.977671	0	25.970996	-177.7493
13.54	27.63	143.09	-44.49	0.517879	-0.161021	27.67449	7.9	122.115116	1	27.621102	-177.3174
13.55	27.63	143.09	-44.49	0.517879	-0.161021	27.67449	7.9	122.25256	1.9	27.621102	-177.4155
13.56	27.63	143.09	-44.49	0.517879	-0.161021	27.67449	7.9	122.390005	1.9	27.621102	-177.5136
13.57	39.12	249.37	114.03	0.637449	0.291488	39.00597	8	122.529178	1.9	39.142806	-19.0917
13.58	41.05	289.06	111.73	0.704166	0.27218	40.93827	8	122.668351	1.9	41.072346	-21.4898
13.59	41.95	306.51	111.79	0.730656	0.266484	41.83821	8	122.807524	1.9	41.972358	-21.5279
13.6	42.76	311.46	107.36	0.728391	0.251076	42.65264	8	122.946697	1.9	42.781472	-26.056
13.61	43.51	325.21	101.74	0.747437	0.233831	43.40826	8	123.08587	1.9	43.530348	-31.7741
13.62	44.37	353.7	92.17	0.79716	0.20773	44.27783	8.1	123.226771	1.8	44.388434	-41.4422
13.63	45.08	364.67	87.92	0.80894	0.195031	44.99208	8.1	123.367673	1.8	45.097584	-45.7903

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Address:	300 Cashel Street
Zip code:	8011
City:	Christchurch
P.IVA:	
E-Mail:	info@landtest.co.nz
Phone number:	0800 837837
Fax number:	
Site information:	
Name:	Marlborough Stop Banks
Date:	20/02/2017
Commissioner:	
Locality:	Marlborough
Test information:	
Name:	EQ1A
Location:	EQ1A
Date:	20/02/2017
Prehole mode:	
Prehole depth [cm]:	0
Hydrostatic line [cm]:	0
Ground level [m]:	0
Latitude:	0
Longitude:	0
Operator:	Gray Lewis
Comments:	
Probe code:	MKJ330



	Qc	Fs	Speed	U2	Tilt	a Factor
Factors:	192460	31343	10	16925	150151	0.8
Zeros:	2239	3778	0	15740	4014	

0.5	0.01	0	-1	0	-10	0.011	57.2	40.470561	8.5	0.0098	-5.905
0.51	0.01	0	-1	0	-10	0.011	57.2	41.311128	8.5	0.0098	-6.0031
0.52	0.01	0	-1	0	-10	0.011	57.2	42.151694	8.4	0.0098	-6.1012
0.53	0.01	0	-1	0	-10	0.011	57.2	42.992261	8.4	0.0098	-6.1993
0.54	0.01	0	-1	0	-10	0.011	57.2	43.832827	8.4	0.0098	-6.2974
0.55	0.01	0	-1	0	-10	0.011	57.2	44.673394	8.4	0.0098	-6.3955
0.56	0.01	0	-1	0	-10	0.011	57.2	45.513961	8.4	0.0098	-6.4936
0.57	0.01	0	-1	0	-10	0.011	57.1	46.353581	8.4	0.0098	-6.5917
0.58	0.01	0	-1	0	-10	0.011	57.1	47.1932	8.4	0.0098	-6.6898
0.59	0.01	0	-1	0	-10	0.011	57.1	48.03282	8.4	0.0098	-6.7879
0.6	0.01	0	-1	0	-10	0.011	57.1	48.87244	8.5	0.0098	-6.886
0.61	0.01	0	-1.06	0	-10.6	0.01106	57.2	49.713007	8.5	0.009788	-7.0441
0.62	0.01	0	-1.06	0	-10.6	0.01106	57.2	50.553573	8.5	0.009788	-7.1422
0.63	0.01	0	-1.06	0	-10.6	0.01106	57.2	51.39414	8.5	0.009788	-7.2403
0.64	0.01	0	-1.12	0	-11.2	0.01112	57.1	52.23376	8.5	0.009776	-7.3984