Data File:CPT364 09-14-05 08:18
Operator:B. BUCKNAM Location:HP-03
Cone ID:510 Job Number:
Customer:TEST AMERICA Units:English

Depth (ft)	Qt (TSF)	Fs (TSF)	Fs/Qt (%)	Pw (PSI)	SPT N* 60% Hammer	Zone	Soil Behavior Type UBC-1983
0.16	10.8	0.070	0.648	0.10	6	5	clayey silt to silty cla
0.33	23.8	0.420	1.765	0.00	9	6	sandy silt to clayey sil
0.49	38.8	0.640	1.649	0.10	13	7	silty sand to sandy silt
0.66	56.0	0.610	1.089	0.10	18	7	silty sand to sandy silt
0.82	74.3	0.890	1.198	0.10	20	8	sand to silty sand
0.98	115.7	1.010	0.873	0.20	23	8	sand to silty sand
1.15	101.7	1.190	1.170	0.10	24	8	sand to silty sand
1.31	77.5	1.570	2.026	0.00	26	7	silty sand to sandy silt
1.48	61.1	2.060	3.371	0.10	28	6	sandy silt to clayey sil
1.64	80.5	2.820	3.503	-0.10	29	6	sandy silt to clayey sil
1.80	82.4	2.850	3.459	-0.40	29	6	sandy silt to clayey sil
1.97	63.0	2.220	3.524	-0.10	25	6	sandy silt to clayey sil
2.13	54.0	1.580	2.926	0.10	27	7	silty sand to sandy silt
2.30	141.2	1.720	1.218	-0.10	29	8	sand to silty sand
2.46	166.8	1.370	0.821	0.20	33	8	sand to silty sand
2.62	102.3	1.260	1.232	0.20	28	8	sand to silty sand
2.79	82.8	1.860	2.246	0.20	30	7	silty sand to sandy silt
2.95	94.9	3.190	3.361	0.10	34	6	sandy silt to clayey sil
3.12	87.8	3.810	4.339	0.20	40	5	clayey silt to silty cla
3.28	67.3	2.730	4.058	-1.20	30	5	clayey silt to silty cla
3.44	34.9	1.080	3.094	0.10	20	5	clayey silt to silty cla
3.61	23.8	0.400	1.680	0.20	10	6	sandy silt to clayey sil
3.77	20.6	0.440	2.135	0.30	9	6	sandy silt to clayey sil
3.94	29.8	0.730	2.449	0.20	11	6	sandy silt to clayey sil
4.10	38.5	1.040	2.701	0.20	14	6	sandy silt to clayey sil
4.27	41.5	1.100	2.650	0.20	16	6	sandy silt to clayey sil
4.43	42.6	1.130	2.652	0.20	16	6	sandy silt to clayey sil
4.59	42.1	1.420	3.373	0.20	20	5	clayey silt to silty cla
4.76	38.2	1.780	4.660	0.10	24	4	silty clay to clay
4.92	33.7	1.760	5.222	0.20	33	3	clay
5.09	30.4	1.560	5.131	0.20	30	3	clay
5.25	28.8	1.420	4.930	0.20	28	3	clay
5.41	27.7	1.410	5.090	0.20	27	3	clay
5.58	27.4	1.380	5.039	-1.00	26	3	clay
5.74	26.7	1.410	5.283	-0.60	26	3	clay
5.91	25.9	1.420	5.484	-0.60	25	3	clay
6.07	25.1	1.400	5.579	-0.50	24	3	clay
6.23	25.7	1.400	5.449	-0.50	25	3	clay
6.40	26.2	1.400	5.345	-0.50	25	3	clay
6.56	26.7	1.400	5.245	-0.70	26	3	clay
6.73	27.6	1.410	5.111	-0.70	26	3	clay
6.89	27.4	1.440	5.258	-0.90	26	3	clay
7.05	26.2	1.450	5.537	-0.80	25	3	clay
7.22	24.4	1.390	5.699	-0.70	23	3	clay
7.38	22.6	1.290	5.710	-0.60	22	3	clay
7.55	22.3	1.220	5.472	-0.40	21	3	clay
7.71	22.1	1.180	5.341	-0.60	21	3	clay
7.87	21.6	1.160	5.372	-0.50	21	3	clay
8.04	22.2	1.200	5.407	-0.50	21	3	clay
8.20	22.1	1.220	5.523	-0.70	21	3	clay
8.37	21.1	1.150	5.452	-0.60	20	3	clay
8.53	20.4	1.100	5.394	-0.60	20	3	clay
8.69	20.8	1.110	5.339	-0.80	20	3	clay
8.86	20.6	1.100	5.342	-0.60	20	3	clay
9.02	20.8	1.120	5.387	-0.70	20	3	clay

*Soil behavior type and SPT based on data from UBC-1983

Depth (ft)	Qt (TSF)	Fs (TSF)	Fs/Qt (%)	Pw (PSI)	SPT N* 60% Hammer	Zone	Soil Behavior Type UBC-1983
9.19	20.7	1.070	5.174	-1.40	19	3	clay
9.35	19.4	1.010	5.209	-0.80	19	3	clay
9.51	18.5	1.010	5.462	-0.70	18	3	clay
9.68	17.7	0.980	5.540	-0.70	17	3	clay
9.84	17.2	0.900	5.237	-0.90	16	3	clay
10.01	16.4	0.870	5.310	-1.00	16	3	clay
10.17	16.5	0.860	5.217	-1.10	15	3	clay
10.33	15.7	0.860	5.483	-1.00	15	3	clay
10.50	15.8	0.860	5.448	-0.90	15	3	clay
10.66	16.0	0.830	5.191	-0.80	15	3	clay
10.83	15.8	0.800	5.067	-0.90	15	3	clay
10.99	14.5	0.720	4.969	-0.70	14	3	clay
11.15	12.1	0.600	4.962	-0.50	12	3	clay
11.32	10.6	0.510	4.811	0.00	10	3	clay
11.48	10.0	0.480	4.799	0.10	10	3	clay
11.65	9.8	0.470	4.802	-0.90	9	3	clay
11.81	9.9	0.450	4.551	-0.90	10	3	clay
11.98	10.9	0.440	4.047	-1.90	10	3	clay
12.14	10.1	0.440	4.373	-2.70	10	3	clay
12.30	11.0	0.460	4.197	-2.80	10	3	clay
12.47	11.3	0.470	4.174	-2.80	11	3	clay
12.63	10.8	0.440	4.089	-2.70	10	3	clay
12.80	10.8	0.450	4.182	-2.80	10	3	clay
12.96	10.3	0.440	4.289	-2.90	10	3	clay
13.12	9.9	0.390	3.957	-3.10	9	3	clay
13.29	9.6	0.350	3.662	-3.00	9	3	clay
13.45	9.5	0.310	3.278	-3.00	9	3	clay
13.62	8.9	0.280	3.161	-3.00	6	4	silty clay to clay
13.78	8.6	0.250	2.921	-2.90	5	4	silty clay to clay
13.94	8.3	0.200	2.422	-2.90	5	4	silty clay to clay
14.11	8.8	0.180	2.055	-2.80	6	4	silty clay to clay
14.27	9.3	0.180	1.944	-2.80	4	5	clayey silt to silty cla
14.44	10.0	0.160	1.606	-2.70	5	5	clayey silt to silty cla
14.60	12.3	0.220	1.794	-2.60	6	5	clayey silt to silty cla
14.76	13.4	0.280	2.096	-2.70	6	5	clayey silt to silty cla
14.93	13.8	0.400	2.906	-2.60	7	5	clayey silt to silty cla
15.09	19.5	0.650	3.339	-2.50	11	5	clayey silt to silty cla
15.26	35.3	1.000	2.830	-4.10	14	5	clayey silt to silty cla
15.42	33.9	0.780	2.303	-9.00	14	5	clayey silt to silty cla
15.58	18.2	0.690	3.797	-8.80	11	5	clayey silt to silty cla
15.75	15.3	0.470	3.075	-8.10	10	4	silty clay to clay
15.91	14.9	0.440	2.956	-7.90	10	4	silty clay to clay
16.08	15.8	0.520	3.294	-7.90	10	4	silty clay to clay
16.24	15.1	0.510	3.380	-7.80	10	4	silty clay to clay
16.40	14.0	0.490	3.503	-7.70	9	4	silty clay to clay
16.57	14.0	0.440	3.145	-7.70	9	4	silty clay to clay
16.73	14.3	0.430	3.009	-7.70	7	5	clayey silt to silty cla
16.90	15.8	0.370	2.343	-7.50	8	5	clayey silt to silty cla
17.06	18.9	0.390	2.065	-7.60	9	5	clayey silt to silty cla
17.22	23.8	0.460	1.933	-7.40	8	6	sandy silt to clayey sil
17.39	19.2	0.410	2.136	-7.60	9	5	clayey silt to silty cla
17.55	14.9	0.310	2.081	-7.20	8	5	clayey silt to silty cla
17.72	13.9	0.330	2.375	-7.20	7	5	clayey silt to silty cla
17.88	16.1	0.390	2.422	-7.00	7	5	clayey silt to silty cla
18.04	16.0	0.390	2.438	-7.00	8	5	clayey silt to silty cla
18.21	15.5	0.370	2.387	-7.00	7	5	clayey silt to silty cla
18.37	14.6	0.350	2.397	-7.00	7	5	clayey silt to silty cla
18.54	13.8	0.360	2.609	-6.90	7	5	clayey silt to silty cla
18.70	14.2	0.400	2.816	-6.80	7	5	clayey silt to silty cla
18.86	14.6	0.430	2.945	-6.80	7	5	clayey silt to silty cla

*Soil behavior type and SPT based on data from UBC-1983

Depth (ft)	Qt (TSF)	Fs (TSF)	Fs/Qt (%)	Pw (PSI)	SPT N* 60% Hammer	Zone	Soil Behavior Type UBC-1983
19.03	15.3	0.420	2.744	-6.40	7	5	clayey silt to silty cla
19.19	15.2	0.390	2.564	-6.40	7	5	clayey silt to silty cla
19.36	16.3	0.390	2.391	-6.30	8	5	clayey silt to silty cla
19.52	16.9	0.380	2.247	-6.30	8	5	clayey silt to silty cla
19.69	17.8	0.440	2.470	-6.20	8	5	clayey silt to silty cla
19.85	18.3	0.500	2.731	-6.20	9	5	clayey silt to silty cla
20.01	20.5	0.660	3.218	-6.10	10	5	clayey silt to silty cla
20.18	25.5	0.840	3.292	-6.00	14	5	clayey silt to silty cla
20.34	38.7	1.120	2.893	-6.00	18	5	clayey silt to silty cla
20.51	46.6	2.040	4.377	-6.10	23	6	sandy silt to clayey sil
20.67	98.7	2.430	2.462	-6.20	32	7	silty sand to sandy silt
20.83	158.7	1.850	1.166	-5.50	29	8	sand to silty sand
21.00	111.1	1.250	1.125	1.00	27	8	sand to silty sand
21.16	65.7	1.500	2.282	3.00	22	7	silty sand to sandy silt
21.33	33.4	1.160	3.475	5.90	15	6	sandy silt to clayey sil
21.49	21.7	0.710	3.269	8.10	12	5	clayey silt to silty cla
21.65	21.2	0.450	2.121	8.20	12	6	sandy silt to clayey sil
21.82	54.2	0.760	1.403	3.70	14	6	sandy silt to clayey sil
21.98	34.6	0.720	2.082	5.40	15	6	sandy silt to clayey sil
22.15	25.2	0.870	3.449	8.70	12	6	sandy silt to clayey sil
22.31	32.1	0.420	1.310	4.60	10	6	sandy silt to clayey sil
22.47	23.3	0.320	1.371	3.00	9	6	sandy silt to clayey sil
22.64	17.6	0.450	2.550	3.30	13	5	clayey silt to silty cla
22.80	39.6	1.380	3.489	3.90	25	6	sandy silt to clayey sil
22.97	135.5	2.390	1.764	-1.40	30	8	sand to silty sand
23.13	199.2	2.280	1.145	-7.80	38	9	sand
23.29	261.6	2.350	0.898	-5.30	47	9	sand
23.46	274.9	3.250	1.182	-8.00	53	9	sand
23.62	301.1	3.410	1.132	-10.70	60	9	sand
23.79	362.2	2.480	0.685	-11.80	57	10	gravelly sand to sand
23.95	401.4	1.690	0.421	-11.90	63	10	gravelly sand to sand
24.11	412.4	1.450	0.352	-11.70	65	10	gravelly sand to sand
24.28	408.6	1.030	0.252	-11.80	67	10	gravelly sand to sand
24.44	442.7	1.270	0.287	-11.80	71	10	gravelly sand to sand
24.61	475.3	1.580	0.332	-11.30	75	10	gravelly sand to sand
24.77	492.0	1.640	0.333	-11.60	74	10	gravelly sand to sand
24.93	426.9	1.630	0.382	-11.60	69	10	gravelly sand to sand
25.10	386.6	1.980	0.512	-11.30	67	10	gravelly sand to sand
25.26	438.2	2.160	0.493	-11.20	67	10	gravelly sand to sand
25.43	436.1	1.740	0.399	-3.70	71	10	gravelly sand to sand
25.59	454.3	2.550	0.561	-10.20	71	10	gravelly sand to sand
25.75	445.0	2.370	0.533	-10.80	72	10	gravelly sand to sand
25.92	447.3	2.300	0.514	-10.30	72	10	gravelly sand to sand
26.08	462.8	2.650	0.573	-10.50	69	10	gravelly sand to sand
26.25	382.6	2.420	0.633	-10.10	62	10	gravelly sand to sand
26.41	314.4	1.330	0.423	-10.00	51	10	gravelly sand to sand
26.57	255.8	0.880	0.344	-9.70	45	9	sand
26.74	142.6	1.550	1.087	-10.80	30	9	sand
26.90	65.0	1.580	2.429	-10.70	26	7	silty sand to sandy silt
27.07	37.3	1.180	3.167	-10.10	18	6	sandy silt to clayey sil
27.23	35.3	0.780	2.212	-10.10	13	6	sandy silt to clayey sil
27.40	29.5	0.680	2.309	-10.10	11	6	sandy silt to clayey sil
27.56	25.2	0.570	2.266	-10.10	10	6	sandy silt to clayey sil
27.72	21.1	0.430	2.042	-10.20	10	5	clayey silt to silty cla
27.89	14.8	0.340	2.305	-10.40	8	5	clayey silt to silty cla
28.05	13.5	0.320	2.362	-10.50	7	5	clayey silt to silty cla
28.22	15.5	0.390	2.508	-10.50	7	5	clayey silt to silty cla
28.38	17.6	0.320	1.813	-10.50	8	5	clayey silt to silty cla
28.54	16.7	0.270	1.612	-10.50	8	5	clayey silt to silty cla
28.71	15.4	0.300	1.942	-10.50	8	5	clayey silt to silty cla

*Soil behavior type and SPT based on data from UBC-1983

Depth (ft)	Qt (TSF)	Fs (TSF)	Fs/Qt (%)	Pw (PSI)	SPT N* 60% Hammer	Zone	Soil Behavior Type UBC-1983
28.87	15.8	0.290	1.841	-10.40	7	5	clayey silt to silty cla
29.04	13.4	0.250	1.872	-10.20	7	5	clayey silt to silty cla
29.20	12.8	0.210	1.647	-10.20	6	5	clayey silt to silty cla
29.36	12.0	0.200	1.673	-10.20	6	5	clayey silt to silty cla
29.53	11.7	0.210	1.802	-10.00	6	5	clayey silt to silty cla
29.69	12.5	0.190	1.526	-10.10	6	5	clayey silt to silty cla
29.86	10.9	0.180	1.658	-9.90	5	5	clayey silt to silty cla
30.02	10.6	0.190	1.799	-9.70	5	5	clayey silt to silty cla
30.18	11.3	0.220	1.954	-9.70	5	5	clayey silt to silty cla
30.35	11.1	0.240	2.170	-9.70	5	5	clayey silt to silty cla
30.51	10.6	0.230	2.178	-9.60	5	5	clayey silt to silty cla
30.68	10.4	0.210	2.026	-9.40	5	5	clayey silt to silty cla
30.84	10.5	0.210	2.007	-9.40	5	5	clayey silt to silty cla
31.00	10.2	0.210	2.066	-9.30	5	5	clayey silt to silty cla
31.17	10.0	0.210	2.107	-9.20	5	5	clayey silt to silty cla
31.33	9.9	0.210	2.128	-9.10	5	5	clayey silt to silty cla
31.50	10.1	0.220	2.185	-9.00	5	5	clayey silt to silty cla
31.66	10.1	0.240	2.383	-8.90	6	4	silty clay to clay
31.82	10.1	0.250	2.482	-8.80	6	4	silty clay to clay
31.99	10.1	0.270	2.680	-8.80	6	4	silty clay to clay
32.15	9.9	0.260	2.633	-8.70	6	4	silty clay to clay
32.32	10.1	0.240	2.379	-7.80	6	4	silty clay to clay
32.48	9.8	0.210	2.145	-7.60	5	5	clayey silt to silty cla
32.64	9.1	0.190	2.089	-7.40	4	5	clayey silt to silty cla
32.81	8.5	0.160	1.883	-7.30	4	5	clayey silt to silty cla
32.97	8.0	0.150	1.876	-7.20	4	5	clayey silt to silty cla
33.14	8.0	0.150	1.875	-6.90	4	5	clayey silt to silty cla
33.30	8.4	0.140	1.666	-6.70	4	5	clayey silt to silty cla
33.46	8.3	0.150	1.806	-6.50	4	5	clayey silt to silty cla
33.63	8.2	0.150	1.827	-6.30	4	5	clayey silt to silty cla
33.79	8.6	0.160	1.857	-5.90	5	4	silty clay to clay
33.96	8.6	0.200	2.320	-5.60	5	5	clayey silt to silty cla
34.12	11.5	0.220	1.909	-5.30	5	5	clayey silt to silty cla
34.28	13.2	0.270	2.041	-4.90	6	5	clayey silt to silty cla
34.45	15.1	0.370	2.445	-4.50	7	5	clayey silt to silty cla
34.61	17.2	0.480	2.785	-4.30	8	5	clayey silt to silty cla
34.78	19.4	0.680	3.498	-4.00	10	5	clayey silt to silty cla
34.94	25.2	0.770	3.050	-3.80	12	5	clayey silt to silty cla
35.10	31.4	0.760	2.417	-4.10	13	5	clayey silt to silty cla
35.27	26.6	1.050	3.942	-4.50	16	5	clayey silt to silty cla
35.43	40.1	1.430	3.569	-2.00	20	5	clayey silt to silty cla
35.60	55.8	1.720	3.085	-10.20	25	6	sandy silt to clayey sil
35.76	96.1	1.720	1.789	-10.50	29	7	silty sand to sandy silt
35.93	116.9	1.190	1.018	-11.10	26	8	sand to silty sand
36.09	107.6	0.680	0.632	-11.70	23	8	sand to silty sand
36.25	67.1	1.090	1.624	-11.60	22	7	silty sand to sandy silt
36.42	33.4	0.980	2.931	-11.30	16	6	sandy silt to clayey sil
36.58	23.2	0.690	2.969	-11.20	12	5	clayey silt to silty cla
36.75	17.6	0.410	2.324	-11.10	9	5	clayey silt to silty cla
36.91	15.6	0.360	2.302	-11.00	8	5	clayey silt to silty cla
37.07	14.2	0.350	2.457	-10.90	7	5	clayey silt to silty cla
37.24	14.8	0.310	2.088	-10.80	7	5	clayey silt to silty cla
37.40	14.6	0.320	2.185	-10.80	7	5	clayey silt to silty cla
37.57	15.5	0.300	1.930	-10.70	7	5	clayey silt to silty cla
37.73	15.9	0.300	1.881	-10.60	8	5	clayey silt to silty cla
37.89	16.1	0.290	1.796	-10.60	8	5	clayey silt to silty cla
38.06	18.8	0.380	2.016	-10.50	9	5	clayey silt to silty cla
38.22	18.5	0.730	3.956	-10.30	12	6	sandy silt to clayey sil
38.39	53.7	0.900	1.677	-10.30	16	6	sandy silt to clayey sil
38.55	51.6	1.020	1.975	-10.50	19	6	sandy silt to clayey sil

*Soil behavior type and SPT based on data from UBC-1983

Depth (ft)	Qt (TSF)	Fs (TSF)	Fs/Qt (%)	Pw (PSI)	SPT N* 60% Hammer	Zone	Soil Behavior Type UBC-1983
38.71	39.8	0.890	2.238	-9.50	16	6	sandy silt to clayey sil
38.88	36.2	0.730	2.019	-9.60	13	6	sandy silt to clayey sil
39.04	27.5	0.590	2.148	-9.60	10	6	sandy silt to clayey sil
39.21	17.4	0.410	2.361	-9.50	9	5	clayey silt to silty cla
39.37	13.7	0.300	2.195	-9.40	7	5	clayey silt to silty cla
39.53	12.0	0.270	2.256	-9.30	6	5	clayey silt to silty cla
39.70	11.0	0.250	2.279	-9.20	5	5	clayey silt to silty cla
39.86	10.8	0.250	2.321	-9.10	5	5	clayey silt to silty cla
40.03	11.5	0.280	2.441	-9.00	6	5	clayey silt to silty cla
40.19	13.3	0.350	2.637	-8.90	7	5	clayey silt to silty cla
40.35	20.1	0.350	1.744	-8.90	8	6	sandy silt to clayey sil
40.52	26.5	0.280	1.058	-8.80	8	6	sandy silt to clayey sil
40.68	18.1	0.300	1.660	-8.70	7	6	sandy silt to clayey sil
40.85	14.2	0.280	1.975	-8.60	8	5	clayey silt to silty cla
41.01	16.1	0.240	1.493	-8.50	7	5	clayey silt to silty cla
41.17	14.9	0.240	1.613	-8.30	7	5	clayey silt to silty cla
41.34	12.5	0.210	1.682	-8.20	6	5	clayey silt to silty cla
41.50	12.4	0.190	1.534	-8.10	6	5	clayey silt to silty cla
41.67	12.3	0.160	1.302	-7.90	6	5	clayey silt to silty cla
41.83	12.4	0.290	2.341	-7.80	7	5	clayey silt to silty cla
41.99	18.0	0.600	3.331	-6.10	9	6	sandy silt to clayey sil
42.16	41.8	0.770	1.842	-6.00	15	7	silty sand to sandy silt
42.32	82.9	0.730	0.881	-6.60	21	7	silty sand to sandy silt
42.49	76.5	0.640	0.837	-7.20	17	8	sand to silty sand
42.65	54.6	0.870	1.594	-8.40	18	7	silty sand to sandy silt
42.81	37.1	0.630	1.699	-8.90	15	6	sandy silt to clayey sil
42.98	22.9	0.410	1.793	-9.00	9	6	sandy silt to clayey sil
43.14	14.3	0.300	2.102	-9.00	8	5	clayey silt to silty cla
43.31	11.9	0.220	1.853	-8.70	6	5	clayey silt to silty cla
43.47	11.8	0.210	1.783	-8.60	6	5	clayey silt to silty cla
43.64	11.6	0.210	1.814	-8.40	6	5	clayey silt to silty cla
43.80	12.1	0.240	1.986	-8.20	6	5	clayey silt to silty cla
43.96	12.9	0.290	2.251	-8.20	6	5	clayey silt to silty cla
44.13	13.9	0.340	2.449	-8.00	6	5	clayey silt to silty cla
44.29	13.9	0.350	2.520	-7.90	7	5	clayey silt to silty cla
44.46	14.0	0.360	2.574	-7.90	7	5	clayey silt to silty cla
44.62	13.8	0.360	2.611	-7.80	7	5	clayey silt to silty cla
44.78	14.3	0.330	2.310	-7.80	7	5	clayey silt to silty cla
44.95	14.5	0.330	2.278	-7.70	7	5	clayey silt to silty cla
45.11	15.6	0.350	2.245	-7.60	8	5	clayey silt to silty cla
45.28	17.2	0.370	2.151	-7.10	8	5	clayey silt to silty cla
45.44	17.9	0.420	2.346	-7.00	9	5	clayey silt to silty cla
45.60	19.6	0.460	2.347	-7.00	9	5	clayey silt to silty cla
45.77	19.1	0.510	2.670	-7.00	9	5	clayey silt to silty cla
45.93	20.3	0.640	3.153	-6.90	11	5	clayey silt to silty cla
46.10	28.8	0.750	2.604	-6.80	10	6	sandy silt to clayey sil
46.26	33.1	0.660	1.994	-6.80	11	6	sandy silt to clayey sil
46.42	27.2	0.490	1.801	-6.70	11	6	sandy silt to clayey sil
46.59	29.7	0.600	2.020	-6.50	12	6	sandy silt to clayey sil
46.75	39.6	1.430	3.610	-6.20	22	5	clayey silt to silty cla
46.92	65.6	2.500	3.810	-6.10	31	5	clayey silt to silty cla
47.08	86.7	3.640	4.200	-9.50	83	11	very stiff fine grained (
47.24	108.8	5.390	4.956	-9.70	119	11	very stiff fine grained (
47.41	176.0	6.040	3.433	-10.10	66	6	sandy silt to clayey sil
47.57	235.8	5.600	2.374	-10.70	72	7	silty sand to sandy silt
47.74	264.8	4.600	1.737	-11.50	62	8	sand to silty sand
47.90	274.2	4.790	1.747	-11.90	68	8	sand to silty sand
48.06	314.8	3.620	1.150	-12.00	64	9	sand
48.23	420.8	2.350	0.558	-12.00	65	10	gravelly sand to sand
48.39	478.7	3.150	0.658	-11.90	74	10	gravelly sand to sand

*Soil behavior type and SPT based on data from UBC-1983

Depth (ft)	Qt (TSF)	Fs (TSF)	Fs/Qt (%)	Pw (PSI)	SPT N* 60% Hammer	Zone	Soil Behavior Type UBC-1983
48.56	490.2	2.630	0.536	-11.70	73	10	gravelly sand to sand
48.72	399.1	3.240	0.812	-9.40	69	10	gravelly sand to sand
48.88	409.1	1.870	0.457	-9.20	64	10	gravelly sand to sand
49.05	386.4	1.410	0.365	-7.40	61	10	gravelly sand to sand
49.21	351.2	0.600	0.171	-7.70	57	10	gravelly sand to sand
49.38	328.9	1.370	0.417	-7.80	51	10	gravelly sand to sand
49.54	270.3	0.720	0.266	-6.20	47	9	sand
49.70	140.6	2.260	1.607	2.60	38	8	sand to silty sand
49.87	67.3	2.090	3.104	9.10	30	6	sandy silt to clayey sil
50.03	27.5	1.330	4.828	17.10	19	5	clayey silt to silty cla
50.20	23.7	0.540	2.279	48.50	12	5	clayey silt to silty cla
50.36	22.1	0.510	2.311	73.90	11	5	clayey silt to silty cla
50.52	22.4	0.580	2.588	84.30	11	5	clayey silt to silty cla
50.69	22.5	0.610	2.708	91.80	11	5	clayey silt to silty cla
50.85	21.0	0.590	2.810	69.30	10	5	clayey silt to silty cla
51.02	19.9	0.520	2.615	82.30	10	5	clayey silt to silty cla
51.18	18.9	0.460	2.428	86.40	9	5	clayey silt to silty cla
51.35	17.8	0.370	2.076	91.70	9	5	clayey silt to silty cla
51.51	17.1	0.390	2.281	97.20	8	5	clayey silt to silty cla
51.67	17.1	0.420	2.451	85.70	8	5	clayey silt to silty cla
51.84	17.0	0.410	2.405	79.80	8	5	clayey silt to silty cla
52.00	16.9	0.380	2.243	79.40	8	5	clayey silt to silty cla
52.17	16.4	0.380	2.321	88.30	8	5	clayey silt to silty cla
52.33	16.1	0.360	2.238	89.50	8	5	clayey silt to silty cla
52.49	16.4	0.370	2.250	93.60	8	5	clayey silt to silty cla
52.66	16.6	0.390	2.345	92.50	8	5	clayey silt to silty cla
52.82	18.1	0.460	2.547	94.40	9	5	clayey silt to silty cla
52.99	20.4	0.530	2.601	88.90	9	6	sandy silt to clayey sil
53.15	32.4	0.450	1.389	41.30	10	6	sandy silt to clayey sil
53.31	26.6	0.480	1.807	31.70	10	6	sandy silt to clayey sil
53.48	20.2	0.610	3.017	50.10	11	5	clayey silt to silty cla
53.64	22.5	0.710	3.157	75.60	11	5	clayey silt to silty cla
53.81	27.5	0.770	2.802	82.20	13	6	sandy silt to clayey sil
53.97	48.4	0.860	1.776	23.20	15	6	sandy silt to clayey sil
54.13	39.0	1.240	3.177	8.90	17	6	sandy silt to clayey sil
54.30	45.0	1.490	3.309	15.80	18	6	sandy silt to clayey sil
54.46	54.1	1.560	2.885	4.80	19	6	sandy silt to clayey sil
54.63	49.7	1.160	2.334	-0.60	18	6	sandy silt to clayey sil
54.79	40.3	1.540	3.820	0.70	22	5	clayey silt to silty cla
54.95	46.7	1.610	3.446	1.00	20	5	clayey silt to silty cla
55.12	39.9	1.590	3.985	-0.30	19	5	clayey silt to silty cla
55.28	35.2	1.360	3.868	3.90	29	7	silty sand to sandy silt
55.45	195.0	1.750	0.898	-3.20	36	9	sand
55.61	336.7	1.640	0.487	-1.30	57	9	sand
55.77	366.7	2.100	0.573	-4.20	60	10	gravelly sand to sand
55.94	419.8	2.030	0.484	-8.40	67	10	gravelly sand to sand
56.10	477.6	1.740	0.364	-10.60	75	10	gravelly sand to sand
56.27	519.1	1.470	0.283	-11.20	78	10	gravelly sand to sand
56.43	475.1	1.810	0.381	-11.00	75	10	gravelly sand to sand
56.59	414.4	1.100	0.265	-9.50	69	10	gravelly sand to sand
56.76	416.8	1.220	0.293	-9.80	0	0	<out of range>
56.92	452.1	-32768	-32768	-7.30	0	0	<out of range>
57.09	575.2	-32768	-32768	4.80	0	0	<out of range>

*Soil behavior type and SPT based on data from UBC-1983