Data File:CPT362 09-13-05 14:47
Operator:B. BUCKNAM Location:HP-02
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	12.6	0.080	0.635	0.20	4	5	clayey silt to silty cla
0.33	14.5	0.140	0.965	0.20	5	6	sandy silt to clayey sil
0.49	13.8	0.260	1.884	0.10	7	5	clayey silt to silty cla
0.66	15.2	0.260	1.711	0.00	6	5	clayey silt to silty cla
0.82	9.2	0.250	2.717	0.00	5	5	clayey silt to silty cla
0.98	7.3	0.210	2.877	0.00	6	4	silty clay to clay
1.15	10.4	0.280	2.692	0.00	6	5	clayey silt to silty cla
1.31	18.0	0.250	1.389	0.10	7	5	clayey silt to silty cla
1.48	18.0	0.340	1.888	0.30	8	6	sandy silt to clayey sil
1.64	22.8	0.530	2.324	0.30	9	5	clayey silt to silty cla
1.80	17.9	0.510	2.848	0.30	9	5	clayey silt to silty cla
1.97	16.0	0.170	1.062	0.30	8	5	clayey silt to silty cla
2.13	13.3	0.220	1.654	0.20	7	5	clayey silt to silty cla
2.30	12.1	0.290	2.396	0.30	6	5	clayey silt to silty cla
2.46	14.4	0.500	3.472	0.20	7	5	clayey silt to silty cla
2.62	19.4	0.520	2.680	0.20	8	5	clayey silt to silty cla
2.79	17.1	0.410	2.397	0.10	8	5	clayey silt to silty cla
2.95	13.0	0.270	2.077	0.10	7	5	clayey silt to silty cla
3.12	12.5	0.220	1.760	0.10	6	5	clayey silt to silty cla
3.28	12.3	0.180	1.463	0.10	6	5	clayey silt to silty cla
3.44	11.4	0.150	1.315	0.20	6	5	clayey silt to silty cla
3.61	11.4	0.140	1.228	0.10	6	5	clayey silt to silty cla
3.77	12.4	0.160	1.290	0.10	6	5	clayey silt to silty cla
3.94	16.7	0.310	1.856	0.10	8	5	clayey silt to silty cla
4.10	19.7	0.360	1.827	0.10	9	5	clayey silt to silty cla
4.27	18.0	0.410	2.278	0.10	9	5	clayey silt to silty cla
4.43	16.3	0.380	2.331	0.10	8	5	clayey silt to silty cla
4.59	14.1	0.330	2.340	0.10	7	5	clayey silt to silty cla
4.76	14.3	0.170	1.189	0.10	7	5	clayey silt to silty cla
4.92	17.2	0.300	1.744	0.20	8	6	sandy silt to clayey sil
5.09	30.0	0.640	2.134	-0.20	10	6	sandy silt to clayey sil
5.25	33.9	0.990	2.921	-0.20	15	5	clayey silt to silty cla
5.41	28.3	1.140	4.029	-0.30	14	5	clayey silt to silty cla
5.58	24.8	1.050	4.235	-0.40	16	4	silty clay to clay
5.74	24.0	0.960	4.002	-1.00	15	4	silty clay to clay
5.91	23.7	0.940	3.967	-0.40	15	4	silty clay to clay
6.07	24.0	0.950	3.959	-0.30	15	4	silty clay to clay
6.23	23.9	0.950	3.976	-0.40	15	4	silty clay to clay
6.40	24.4	0.920	3.772	-0.60	16	4	silty clay to clay
6.56	24.7	0.900	3.645	-0.50	12	5	clayey silt to silty cla
6.73	25.5	0.910	3.570	-0.50	12	5	clayey silt to silty cla
6.89	26.2	0.920	3.512	-0.50	13	5	clayey silt to silty cla
7.05	26.9	0.930	3.458	-0.50	13	5	clayey silt to silty cla
7.22	27.9	0.980	3.513	-0.50	13	5	clayey silt to silty cla
7.38	28.0	1.090	3.894	-0.60	18	4	silty clay to clay
7.55	26.7	1.130	4.234	-0.60	17	4	silty clay to clay
7.71	25.0	1.100	4.402	-0.80	16	4	silty clay to clay
7.87	24.5	1.020	4.165	-0.70	16	4	silty clay to clay
8.04	23.5	1.030	4.385	-0.80	23	3	clay
8.20	23.1	1.070	4.635	-1.00	22	3	clay
8.37	23.1	1.050	4.549	-1.20	22	3	clay
8.53	22.8	1.060	4.656	-2.20	22	3	clay
8.69	23.1	1.090	4.725	-2.10	22	3	clay
8.86	22.9	1.100	4.810	-2.20	22	3	clay
9.02	23.6	1.130	4.794	-2.10	23	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	24.4	1.120	4.596	-2.00	23	3	clay
9.35	23.9	1.060	4.443	-3.00	22	3	clay
9.51	22.0	0.920	4.180	-6.10	14	4	silty clay to clay
9.68	18.6	0.790	4.246	-6.60	18	3	clay
9.84	15.6	0.720	4.613	-6.40	16	3	clay
10.01	14.6	0.650	4.449	-6.30	14	3	clay
10.17	14.5	0.570	3.929	-6.30	14	3	clay
10.33	13.8	0.570	4.128	-6.40	9	4	silty clay to clay
10.50	15.7	0.520	3.312	-6.80	9	4	silty clay to clay
10.66	11.6	0.490	4.236	-9.20	8	4	silty clay to clay
10.83	12.5	0.450	3.609	-9.20	12	3	clay
10.99	12.9	0.480	3.731	-9.40	8	4	silty clay to clay
11.15	13.4	0.530	3.967	-9.60	13	3	clay
11.32	13.2	0.510	3.851	-10.90	9	4	silty clay to clay
11.48	14.7	0.530	3.597	-11.40	8	4	silty clay to clay
11.65	11.8	0.440	3.718	-11.40	12	3	clay
11.81	10.6	0.420	3.950	-11.60	11	3	clay
11.98	11.6	0.370	3.181	-11.60	7	4	silty clay to clay
12.14	11.3	0.330	2.911	-11.50	7	4	silty clay to clay
12.30	11.5	0.440	3.815	-11.50	9	4	silty clay to clay
12.47	20.1	0.670	3.328	-11.50	12	4	silty clay to clay
12.63	23.7	1.070	4.508	-11.60	18	4	silty clay to clay
12.80	38.5	1.530	3.971	-12.10	17	5	clayey silt to silty cla
12.96	44.7	1.640	3.667	-12.20	26	4	silty clay to clay
13.12	36.8	1.730	4.699	-12.50	21	5	clayey silt to silty cla
13.29	50.4	1.280	2.539	-12.30	24	6	sandy silt to clayey sil
13.45	98.5	1.190	1.208	-12.80	21	8	sand to silty sand
13.62	108.8	0.740	0.680	-0.70	26	8	sand to silty sand
13.78	116.3	1.140	0.980	1.00	30	8	sand to silty sand
13.94	146.6	1.590	1.084	0.80	32	8	sand to silty sand
14.11	135.5	1.360	1.004	0.90	34	8	sand to silty sand
14.27	140.4	1.240	0.883	1.00	30	9	sand
14.44	190.3	1.550	0.814	1.20	35	9	sand
14.60	216.7	1.410	0.651	1.10	40	9	sand
14.76	219.7	1.640	0.746	1.10	43	9	sand
14.93	237.7	0.950	0.400	1.40	44	9	sand
15.09	235.8	1.080	0.458	1.40	48	9	sand
15.26	275.0	1.480	0.538	1.30	48	9	sand
15.42	247.8	1.330	0.537	-0.30	50	9	sand
15.58	266.4	1.380	0.518	-0.30	50	9	sand
15.75	263.4	1.080	0.410	0.30	46	9	sand
15.91	195.4	0.890	0.455	0.60	40	9	sand
16.08	173.1	0.820	0.474	0.30	34	9	sand
16.24	164.9	1.370	0.831	0.60	34	9	sand
16.40	193.7	0.790	0.408	-0.70	36	9	sand
16.57	202.9	1.520	0.749	0.30	37	9	sand
16.73	189.8	0.780	0.411	0.70	37	9	sand
16.90	194.5	2.630	1.352	0.00	37	9	sand
17.06	202.2	1.430	0.707	-1.80	35	9	sand
17.22	158.9	1.500	0.944	-1.50	31	9	sand
17.39	122.4	1.090	0.891	-1.70	29	8	sand to silty sand
17.55	83.6	1.340	1.603	-1.30	23	8	sand to silty sand
17.72	79.4	1.360	1.712	-3.70	26	7	silty sand to sandy silt
17.88	80.3	0.790	0.984	-10.00	25	7	silty sand to sandy silt
18.04	75.3	0.830	1.102	-11.00	22	7	silty sand to sandy silt
18.21	47.1	0.930	1.973	-11.00	17	7	silty sand to sandy silt
18.37	41.6	0.960	2.305	-10.80	18	6	sandy silt to clayey sil
18.54	55.3	0.980	1.774	-10.10	17	7	silty sand to sandy silt
18.70	60.3	0.660	1.095	-7.90	18	7	silty sand to sandy silt
18.86	53.8	0.580	1.079	-8.60	17	7	silty sand to sandy silt

*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	47.7	0.670	1.403	3.40	16	7	silty sand to sandy silt
19.19	51.0	0.790	1.548	3.40	15	7	silty sand to sandy silt
19.36	40.3	0.600	1.491	3.50	16	7	silty sand to sandy silt
19.52	57.5	0.500	0.870	3.70	18	8	sand to silty sand
19.69	130.4	0.540	0.414	1.30	23	9	sand
19.85	168.1	0.560	0.333	-1.20	32	9	sand
20.01	203.6	0.490	0.241	-3.80	38	9	sand
20.18	231.0	0.630	0.273	-5.60	36	10	gravelly sand to sand
20.34	246.9	0.620	0.251	-8.40	38	10	gravelly sand to sand
20.51	244.9	0.800	0.327	-8.90	46	9	sand
20.67	224.9	1.240	0.551	-10.20	45	9	sand
20.83	240.7	1.250	0.519	-10.00	46	9	sand
21.00	260.8	1.540	0.591	-10.20	50	9	sand
21.16	279.9	0.670	0.239	-9.80	44	10	gravelly sand to sand
21.33	280.2	0.550	0.196	-9.80	44	10	gravelly sand to sand
21.49	275.1	0.480	0.175	-10.10	45	10	gravelly sand to sand
21.65	287.9	0.740	0.257	-10.20	44	10	gravelly sand to sand
21.82	260.9	0.730	0.280	-4.80	44	10	gravelly sand to sand
21.98	279.6	1.430	0.512	-9.10	44	10	gravelly sand to sand
22.15	281.3	1.390	0.494	-9.40	52	9	sand
22.31	258.3	1.950	0.755	-9.90	50	9	sand
22.47	244.2	1.560	0.639	-10.10	44	9	sand
22.64	188.9	1.210	0.641	-9.90	33	9	sand
22.80	81.8	1.340	1.639	-9.70	24	8	sand to silty sand
22.97	33.8	1.120	3.317	-9.00	17	6	sandy silt to clayey sil
23.13	19.1	0.680	3.564	-8.40	12	5	clayey silt to silty cla
23.29	19.6	0.350	1.787	-7.70	10	5	clayey silt to silty cla
23.46	22.2	0.550	2.478	-7.40	9	6	sandy silt to clayey sil
23.62	27.1	0.650	2.399	-7.20	11	5	clayey silt to silty cla
23.79	19.5	0.670	3.438	-7.70	9	5	clayey silt to silty cla
23.95	12.7	0.430	3.388	-7.60	9	4	silty clay to clay
24.11	11.1	0.260	2.344	-7.50	7	4	silty clay to clay
24.28	10.8	0.270	2.501	-7.30	7	4	silty clay to clay
24.44	11.9	0.330	2.774	-7.30	8	4	silty clay to clay
24.61	13.3	0.370	2.782	-7.10	6	5	clayey silt to silty cla
24.77	14.6	0.390	2.672	-7.10	7	5	clayey silt to silty cla
24.93	16.1	0.400	2.485	-7.00	8	5	clayey silt to silty cla
25.10	17.6	0.440	2.500	-6.80	8	5	clayey silt to silty cla
25.26	18.1	0.460	2.541	-6.70	9	5	clayey silt to silty cla
25.43	17.8	0.460	2.584	-6.70	9	5	clayey silt to silty cla
25.59	17.4	0.390	2.241	-6.60	8	5	clayey silt to silty cla
25.75	17.3	0.270	1.560	-6.40	9	6	sandy silt to clayey sil
25.92	32.8	0.770	2.347	-6.20	10	6	sandy silt to clayey sil
26.08	31.5	0.890	2.824	-5.90	12	6	sandy silt to clayey sil
26.25	26.2	0.670	2.555	-5.10	11	6	sandy silt to clayey sil
26.41	25.4	0.540	2.124	-5.00	11	5	clayey silt to silty cla
26.57	16.1	0.530	3.285	-4.60	10	5	clayey silt to silty cla
26.74	19.1	0.560	2.926	-4.20	10	5	clayey silt to silty cla
26.90	26.4	0.570	2.155	-3.50	10	5	clayey silt to silty cla
27.07	19.2	0.510	2.652	2.20	11	5	clayey silt to silty cla
27.23	20.4	0.460	2.250	3.00	9	5	clayey silt to silty cla
27.40	19.2	0.460	2.390	3.30	9	5	clayey silt to silty cla
27.56	18.5	0.470	2.547	3.80	9	5	clayey silt to silty cla
27.72	19.6	0.520	2.659	4.00	9	5	clayey silt to silty cla
27.89	20.9	0.610	2.924	4.20	10	5	clayey silt to silty cla
28.05	22.8	0.630	2.767	4.50	11	5	clayey silt to silty cla
28.22	23.7	0.710	3.000	4.60	11	5	clayey silt to silty cla
28.38	24.0	0.690	2.878	5.10	11	5	clayey silt to silty cla
28.54	22.1	0.640	2.899	5.10	11	5	clayey silt to silty cla
28.71	20.2	0.540	2.676	5.30	10	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	18.4	0.450	2.449	5.40	9	5	clayey silt to silty cla
29.04	16.7	0.410	2.458	5.60	8	5	clayey silt to silty cla
29.20	14.7	0.360	2.452	5.80	7	5	clayey silt to silty cla
29.36	12.3	0.310	2.523	6.10	6	5	clayey silt to silty cla
29.53	11.7	0.260	2.224	6.30	6	5	clayey silt to silty cla
29.69	10.9	0.210	1.927	6.60	6	5	clayey silt to silty cla
29.86	12.0	0.230	1.917	7.00	6	5	clayey silt to silty cla
30.02	12.1	0.240	1.982	7.50	6	5	clayey silt to silty cla
30.18	11.9	0.260	2.182	7.90	6	5	clayey silt to silty cla
30.35	12.1	0.250	2.063	8.40	6	5	clayey silt to silty cla
30.51	12.3	0.250	2.028	8.80	6	5	clayey silt to silty cla
30.68	12.7	0.240	1.885	9.30	6	5	clayey silt to silty cla
30.84	14.6	0.280	1.913	9.70	7	5	clayey silt to silty cla
31.00	16.0	0.300	1.869	10.30	8	5	clayey silt to silty cla
31.17	16.5	0.340	2.066	10.70	8	5	clayey silt to silty cla
31.33	16.9	0.330	1.957	11.00	8	5	clayey silt to silty cla
31.50	17.4	0.360	2.073	11.60	10	5	clayey silt to silty cla
31.66	28.0	0.690	2.466	12.30	9	6	sandy silt to clayey sil
31.82	28.6	0.670	2.342	0.80	10	6	sandy silt to clayey sil
31.99	20.0	0.410	2.054	-2.80	10	5	clayey silt to silty cla
32.15	13.3	0.220	1.660	-3.10	7	5	clayey silt to silty cla
32.32	10.9	0.120	1.105	-2.80	5	5	clayey silt to silty cla
32.48	9.8	0.110	1.126	-2.40	5	5	clayey silt to silty cla
32.64	10.2	0.110	1.081	-2.00	5	5	clayey silt to silty cla
32.81	11.3	0.130	1.153	-1.70	5	5	clayey silt to silty cla
32.97	12.2	0.140	1.149	-1.30	5	6	sandy silt to clayey sil
33.14	13.6	0.140	1.030	-0.90	5	6	sandy silt to clayey sil
33.30	14.9	0.150	1.007	-0.50	6	6	sandy silt to clayey sil
33.46	16.2	0.180	1.111	-0.10	6	6	sandy silt to clayey sil
33.63	19.2	0.260	1.354	0.50	7	6	sandy silt to clayey sil
33.79	23.3	0.380	1.630	0.90	9	6	sandy silt to clayey sil
33.96	26.7	0.500	1.871	1.40	11	6	sandy silt to clayey sil
34.12	32.8	0.610	1.858	1.70	12	6	sandy silt to clayey sil
34.28	34.4	0.850	2.469	2.20	13	6	sandy silt to clayey sil
34.45	35.0	0.830	2.369	2.50	17	6	sandy silt to clayey sil
34.61	61.7	1.110	1.798	2.80	18	7	silty sand to sandy silt
34.78	69.9	1.420	2.032	-2.30	21	7	silty sand to sandy silt
34.94	70.4	1.800	2.557	0.00	29	6	sandy silt to clayey sil
35.10	83.2	2.430	2.919	-4.20	30	7	silty sand to sandy silt
35.27	124.2	2.580	2.077	-6.90	32	8	sand to silty sand
35.43	195.1	1.790	0.918	-9.90	34	9	sand
35.60	217.4	0.720	0.331	-10.60	37	9	sand
35.76	168.9	1.410	0.835	-10.60	31	9	sand
35.93	96.8	1.850	1.912	-10.40	27	8	sand to silty sand
36.09	74.9	1.670	2.231	-10.40	27	7	silty sand to sandy silt
36.25	80.2	1.280	1.597	-10.40	21	7	silty sand to sandy silt
36.42	43.2	1.050	2.433	-10.40	19	6	sandy silt to clayey sil
36.58	25.6	0.780	3.053	-10.30	14	5	clayey silt to silty cla
36.75	16.3	0.450	2.769	-10.20	10	5	clayey silt to silty cla
36.91	18.6	0.370	1.994	-10.10	8	5	clayey silt to silty cla
37.07	17.7	0.370	2.096	-10.00	8	5	clayey silt to silty cla
37.24	16.8	0.290	1.731	-10.00	8	5	clayey silt to silty cla
37.40	16.2	0.230	1.423	-9.90	7	5	clayey silt to silty cla
37.57	13.3	0.240	1.810	-9.90	7	5	clayey silt to silty cla
37.73	13.8	0.360	2.616	-9.80	8	5	clayey silt to silty cla
37.89	21.1	0.330	1.567	-9.80	10	6	sandy silt to clayey sil
38.06	42.7	0.750	1.758	-9.70	13	6	sandy silt to clayey sil
38.22	40.1	0.680	1.697	-9.70	16	7	silty sand to sandy silt
38.39	63.6	0.500	0.787	-9.60	15	7	silty sand to sandy silt
38.55	37.3	0.420	1.127	-9.60	13	7	silty sand to sandy silt

*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	22.5	0.690	3.072	-9.50	11	6	sandy silt to clayey sil
38.88	30.3	0.620	2.049	-9.40	14	6	sandy silt to clayey sil
39.04	54.5	0.410	0.753	-9.50	13	7	silty sand to sandy silt
39.21	39.2	0.460	1.175	-9.50	12	7	silty sand to sandy silt
39.37	23.0	0.390	1.698	-9.50	10	6	sandy silt to clayey sil
39.53	17.1	0.260	1.524	-9.40	7	6	sandy silt to clayey sil
39.70	14.9	0.150	1.009	-9.30	6	6	sandy silt to clayey sil
39.86	14.5	0.210	1.452	-9.30	8	5	clayey silt to silty cla
40.03	17.9	0.520	2.910	-9.20	8	6	sandy silt to clayey sil
40.19	32.6	0.530	1.627	-9.10	11	6	sandy silt to clayey sil
40.35	36.3	0.550	1.516	-9.10	12	6	sandy silt to clayey sil
40.52	22.4	0.450	2.012	-9.20	10	6	sandy silt to clayey sil
40.68	15.9	0.310	1.953	-9.10	8	5	clayey silt to silty cla
40.85	14.5	0.290	2.004	-9.00	7	5	clayey silt to silty cla
41.01	14.3	0.320	2.242	-8.90	7	5	clayey silt to silty cla
41.17	14.2	0.340	2.399	-8.90	7	5	clayey silt to silty cla
41.34	14.6	0.370	2.539	-8.80	7	5	clayey silt to silty cla
41.50	15.1	0.400	2.653	-8.70	7	5	clayey silt to silty cla
41.67	15.8	0.430	2.726	-8.60	7	5	clayey silt to silty cla
41.83	15.9	0.430	2.708	-8.50	8	5	clayey silt to silty cla
41.99	15.6	0.410	2.632	-8.60	7	5	clayey silt to silty cla
42.16	15.1	0.360	2.388	-8.50	7	5	clayey silt to silty cla
42.32	14.9	0.370	2.487	-8.50	7	5	clayey silt to silty cla
42.49	15.0	0.340	2.270	-8.50	7	5	clayey silt to silty cla
42.65	15.6	0.370	2.375	-8.40	8	5	clayey silt to silty cla
42.81	16.8	0.390	2.324	-8.40	8	5	clayey silt to silty cla
42.98	17.2	0.440	2.561	-8.20	8	5	clayey silt to silty cla
43.14	18.2	0.470	2.585	-8.30	9	5	clayey silt to silty cla
43.31	19.9	0.510	2.565	-8.20	10	5	clayey silt to silty cla
43.47	23.1	0.550	2.383	-8.20	11	5	clayey silt to silty cla
43.64	24.9	0.630	2.532	-8.20	11	5	clayey silt to silty cla
43.80	24.0	0.710	2.961	-8.30	12	5	clayey silt to silty cla
43.96	23.7	0.780	3.294	-8.20	12	5	clayey silt to silty cla
44.13	30.0	1.230	4.103	-8.30	19	5	clayey silt to silty cla
44.29	66.6	2.420	3.635	-8.30	25	5	clayey silt to silty cla
44.46	62.1	3.000	4.834	-9.30	37	4	silty clay to clay
44.62	45.9	2.280	4.962	-10.70	46	3	clay
44.78	37.5	2.360	6.286	-10.90	30	4	silty clay to clay
44.95	55.6	1.660	2.983	-10.90	23	5	clayey silt to silty cla
45.11	53.6	2.190	4.083	-11.00	27	5	clayey silt to silty cla
45.28	60.6	2.840	4.683	-11.00	38	5	clayey silt to silty cla
45.44	120.7	4.270	3.536	-10.90	47	5	clayey silt to silty cla
45.60	115.0	5.010	4.355	-11.40	117	11	very stiff fine grained (
45.77	130.7	5.700	4.360	-12.10	140	11	very stiff fine grained (
45.93	192.6	7.470	3.878	-12.10	95	12	sand to clayey sand (*)
46.10	272.1	7.480	2.749	-12.10	80	7	silty sand to sandy silt
46.26	290.4	4.190	1.443	-12.30	70	8	sand to silty sand
46.42	320.7	3.250	1.013	-12.50	59	9	sand
46.59	311.1	3.270	1.051	-12.60	59	9	sand
46.75	285.7	3.550	1.242	-12.60	57	9	sand
46.92	289.2	3.290	1.138	-12.60	56	9	sand
47.08	299.7	1.480	0.494	-12.50	56	9	sand
47.24	296.0	1.490	0.503	-12.60	47	10	gravelly sand to sand
47.41	285.1	1.500	0.526	-12.30	55	9	sand
47.57	274.4	1.410	0.514	-12.30	45	10	gravelly sand to sand
47.74	288.3	1.210	0.420	-12.30	44	10	gravelly sand to sand
47.90	273.5	1.250	0.457	-12.30	44	10	gravelly sand to sand
48.06	265.4	0.900	0.339	-12.10	45	10	gravelly sand to sand
48.23	308.8	1.120	0.363	-12.20	49	10	gravelly sand to sand
48.39	338.4	1.230	0.363	-10.70	54	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	367.0	1.150	0.313	-11.00	60	10	gravelly sand to sand
48.72	413.8	0.940	0.227	-11.10	63	10	gravelly sand to sand
48.88	403.6	1.660	0.411	-11.10	63	10	gravelly sand to sand
49.05	375.4	1.160	0.309	-10.60	62	10	gravelly sand to sand
49.21	379.3	1.620	0.427	-10.90	60	10	gravelly sand to sand
49.38	374.0	1.490	0.398	-11.00	61	10	gravelly sand to sand
49.54	389.4	1.900	0.488	-11.00	63	10	gravelly sand to sand
49.70	413.2	1.850	0.448	-10.90	64	10	gravelly sand to sand
49.87	399.0	1.730	0.434	-10.70	65	10	gravelly sand to sand
50.03	400.8	1.610	0.402	-10.70	64	10	gravelly sand to sand
50.20	404.5	1.430	0.353	-10.70	65	10	gravelly sand to sand
50.36	411.9	1.370	0.333	-10.80	65	10	gravelly sand to sand
50.52	411.9	1.500	0.364	-10.40	0	0	<out of range>
50.69	425.5	-32768	-32768	-5.20	0	0	<out of range>
50.85	486.0	-32768	-32768	-8.50	0	0	<out of range>

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