

**ONE - DIMENSIONAL CONSOLIDATION TEST:
CALCULATED CRS LOADING DATA**

Load- ing Info. (1)	Julian Day (dd)	Hour (hr.:min.:s)	Elapsed Time from Start of Loading, Δt_n (min)	Total Vertical Stress, $\sigma_{v,n}$ (2) (ksf)	Excess Pore-Water Pressure, ΔU_n (ksf)	Total Specimen Deformation, ΔH_n (3) (mm)	Apparatus Flexibility Correction, $\Delta d_{af,n}$ (mm)	Corr. Total Specimen Deformation, $\Delta H_{c,n}$ (4) (mm)	Strain Rate, between n & n-1, $\Delta \epsilon_{ac,rate}$ (%/hr)
	98	23 : 28 : 00	680	57.33	7.492	1.912	0.261	1.651	0.683
UE	98	23 : 30 : 00	682	56.61	6.900	1.915	0.259	1.656	0.741
	99	00 : 24 : 00	736	49.83	1.379	1.936	0.242	1.694	0.223
	99	01 : 18 : 00	790	38.45	-1.247	1.899	0.211	1.688	-0.035
	99	02 : 12 : 00	844	29.09	-1.976	1.848	0.182	1.666	-0.130
US	99	03 : 06 : 00	898	21.79	-2.609	1.789	0.156	1.632	-0.194
	99	04 : 00 : 00	952	16.25	-3.074	1.724	0.134	1.590	-0.249
	99	04 : 54 : 00	1006	12.04	-3.321	1.654	0.115	1.539	-0.294
	99	05 : 48 : 00	1060	8.82	-3.431	1.581	0.099	1.482	-0.332
	99	06 : 42 : 00	1114	6.37	-3.440	1.505	0.085	1.420	-0.358
	99	07 : 36 : 00	1168	4.55	-3.325	1.428	0.072	1.355	-0.379
UE	99	08 : 30 : 00	1222	3.17	-3.151	1.349	0.061	1.288	-0.392
	99	08 : 32 : 00	1224	3.13	-3.145	1.347	0.061	1.286	-0.306
	99	08 : 34 : 00	1226	3.26	-3.018	1.345	0.062	1.283	-0.520
	99	09 : 10 : 00	1262	9.29	1.465	1.388	0.102	1.287	0.037
	99	09 : 46 : 00	1298	15.78	4.044	1.470	0.132	1.338	0.443
US	99	10 : 22 : 00	1334	22.03	5.690	1.557	0.157	1.399	0.538
	99	10 : 58 : 00	1370	28.25	6.844	1.644	0.179	1.464	0.568
	99	11 : 34 : 00	1406	34.62	7.430	1.729	0.200	1.529	0.566
	99	12 : 10 : 00	1442	41.55	7.850	1.813	0.220	1.593	0.555
	99	12 : 46 : 00	1478	48.71	8.003	1.898	0.240	1.658	0.569
	99	13 : 22 : 00	1514	56.25	8.492	1.980	0.259	1.721	0.550
	99	13 : 58 : 00	1550	63.46	8.449	2.065	0.276	1.789	0.596
	99	14 : 34 : 00	1586	70.10	8.941	2.150	0.292	1.858	0.598
	99	15 : 10 : 00	1622	77.44	9.722	2.239	0.310	1.929	0.620
	99	15 : 46 : 00	1658	83.88	10.050	2.322	0.326	1.996	0.587
	99	16 : 22 : 00	1694	90.93	10.234	2.405	0.343	2.063	0.579
	99	16 : 58 : 00	1730	98.23	10.778	2.491	0.361	2.131	0.595
	99	17 : 34 : 00	1766	105.61	10.861	2.575	0.379	2.196	0.571
	99	18 : 10 : 00	1802	113.87	11.531	2.662	0.399	2.263	0.584
	99	18 : 46 : 00	1838	121.59	11.732	2.745	0.418	2.326	0.553
	99	19 : 22 : 00	1874	130.21	12.286	2.830	0.440	2.391	0.561
	99	19 : 58 : 00	1910	138.30	12.213	2.912	0.460	2.452	0.537
	99	20 : 34 : 00	1946	147.78	13.016	2.996	0.484	2.512	0.524
UE	99	21 : 02 : 00	1974	155.00	13.151	3.060	0.502	2.558	0.519
	99	21 : 04 : 00	1976	154.34	12.628	3.063	0.501	2.562	0.607
	99	23 : 24 : 00	2116	140.01	1.714	3.104	0.479	2.625	0.141
	100	01 : 44 : 00	2256	101.37	-2.645	3.011	0.414	2.597	-0.063
	100	04 : 04 : 00	2396	68.08	-4.353	2.886	0.348	2.538	-0.131
US	100	06 : 24 : 00	2536	43.27	-5.873	2.741	0.286	2.454	-0.189
	100	08 : 44 : 00	2676	26.40	-6.599	2.576	0.234	2.341	-0.254
	100	11 : 04 : 00	2816	15.38	-6.760	2.388	0.192	2.196	-0.325

ONE - DIMENSIONAL CONSOLIDATION TEST: CALCULATED CRS LOADING DATA

[illegible]

ONE - DIMENSIONAL CONSOLIDATION TEST: CRS LOADING RESULTS (Load Time - Deformation Properties)

Project Number: 0411-08-1686 Test Station No.: CRS-1 ☒ Undisturbed or; ☐ Reconstituted - Specimen. File Name: B-2321_UD4
 Task No.: NA Date; Start: 4/6/2008 Back Pressure, $U_{b,cs}$ (psi): 70.6 Piston Uplift, P_{up} (lb): 34.67
 Project Name: Exelon (Victoria) Completed: 4/10/2008 Transient Time Factor, $T_v = (C_v \cdot t) / H^2 =$ 0.5
 4186-06-Summary of Methods: NA ☐ Data corrected for salt _____; in ☐ g/kg
 Final Description of Specimen: Mottled Brownish Yellow and Light Gray Fat CLAY (CH)
 Initial: Ring No.: 1 Area, A_r (cm²): 31.739 Solids Ht., H_s (mm): 11.604 Specific Gravity, $G_s =$ 2.720 ☒ Meas.; ☐ Assumed
 Height H_o : 19.10 Water 20.7 Void 0.646 Deg. of 87.1 Total Unit 124.3 Dry Unit 103.0
 Final: (mm): H_f : 17.65 Content, w (%): 19.7 Ratio, e : 0.521 Sat., S (%): 102.6 Weight, γ_t (pcf): 133.3 Weight, γ_d (pcf): 111.4

Notes:

- (1) S - Seating, BS - Start of Back Pressure, BE - End of Back Pressure, SC - Stress Controlled, CS - Constant Rate of Strain, US - Start of Uniform Strain Rate, UE - End of Uniform Strain Rate or ΔU_n to erratic
- (2) Excess pore-water pressure measured at the base of the specimen.
- (3) Only applicable during stress controlled (SC) loading.

Data Management by: DH

Reviewed By: HP NP

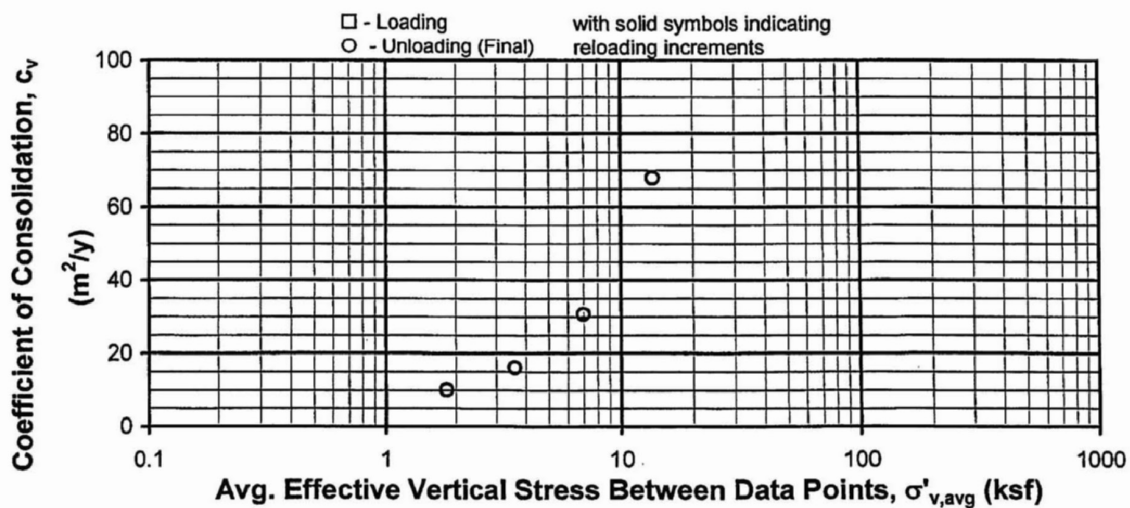
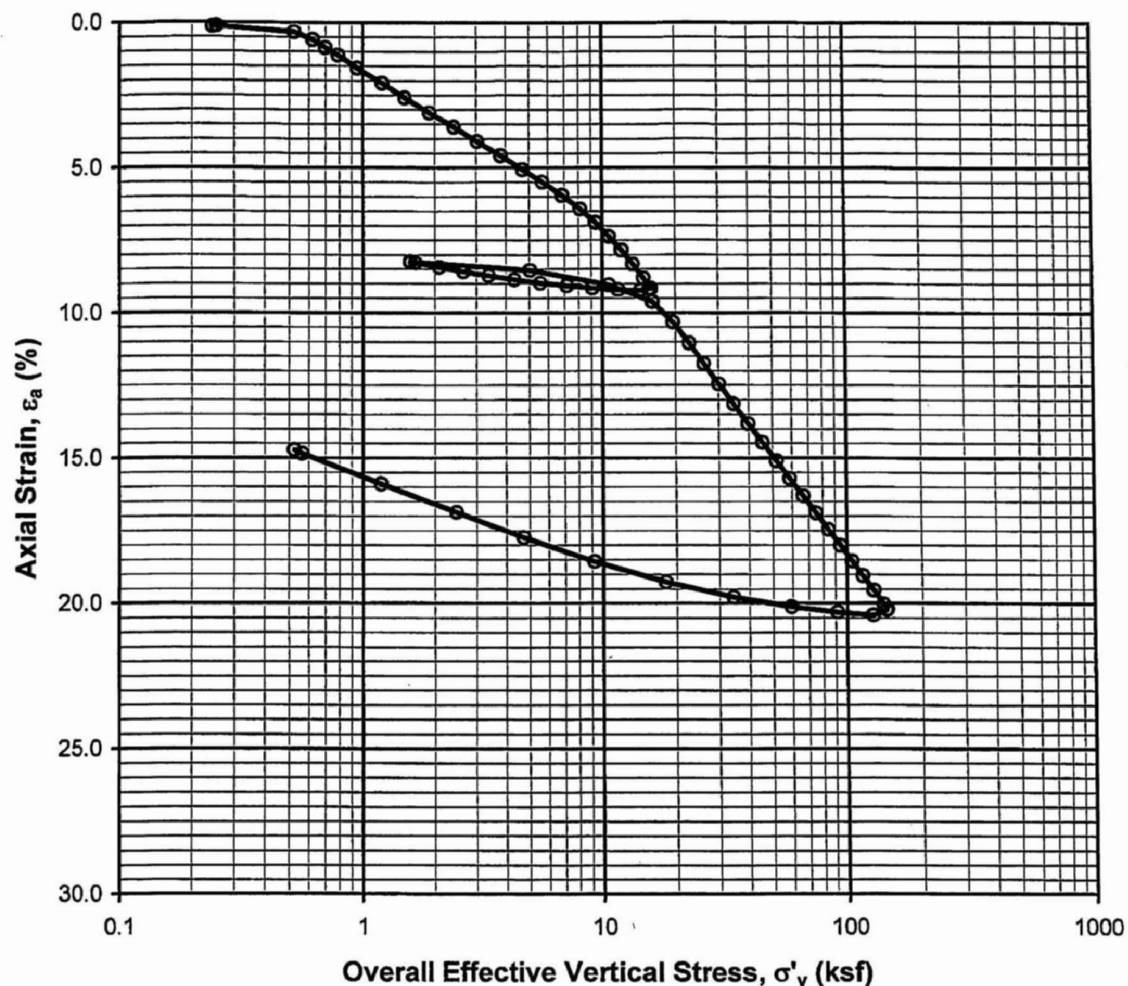
Loading Info. (1)	Elapsed Time from Start of Loading, Δt_n (min)	Overall Effective Vertical Stress, $\sigma'_{v,n}$ (ksf)	Corrected Volumetric (Axial) Strain, $\epsilon_{v,n}$ ($\epsilon_{ac,n}$) $\Delta H_{c,n} / H_o$ (%)	Overall Void Ratio, e_n	Total Vertical Stress, $\sigma_{v,n}$ (ksf)	Excess Pore-Water Pressure, ΔU_n (2) (ksf)	Loading Pore-Water Pressure Ratio, R_u $\Delta U_n / \sigma_{v,n}$ (%)	Corrected Specimen Height, $H_{e,n}$ (mm)	Calculations Between n and n-1				Steady State Ratio, $SSR_n = \frac{C_v \cdot t_n \cdot UCF}{T_v \cdot (H_{c,avg})^2}$	Rate of Secondary Comp. (3), $C_\alpha = \frac{\Delta d_{s,sc}}{H_o} (\times 10^{-4})$
									Average Effective Vertical Stress, $\sigma'_{v,avg}$ (ksf)	Coefficient of Consolidation, C_v (m ² /y)	Average Void Ratio, e_{avg}	Hydraulic Conductivity, k @ 20°C (m/y)		
S					0.32				Data on given line represents average conditions					
BS			0.11	0.644	1.22			19.079	between that line and the previous line of data.					
BE		1.11	0.02	0.646	1.11	-0.001	-0.1	19.096			0.645			
CS	0	1.13	0.02	0.646	1.13	0.000	0.0	19.096			0.646			
	18	1.85	0.10	0.644	1.85	0.004	0.2	19.081	1.49		0.645			
	36	2.30	0.26	0.642	2.30	0.008	0.3	19.050	2.07		0.643			
US	54	2.69	0.43	0.639	2.70	0.012	0.4	19.019	2.49		0.640			
	80	3.37	0.75	0.634	3.39	0.029	0.8	18.957	3.03	124.96	0.636	1.20E-01	34.29	
	116	4.42	1.26	0.625	4.47	0.071	1.6	18.860	3.90	56.86	0.629	5.43E-02	37.52	
	152	5.71	1.77	0.617	5.83	0.168	2.9	18.762	5.07	29.18	0.621	2.27E-02	30.75	
	188	7.20	2.26	0.609	7.42	0.329	4.4	18.668	6.46	16.15	0.613	1.04E-02	23.51	
	224	8.89	2.78	0.600	9.24	0.528	5.7	18.570	8.04	10.55	0.605	6.26E-03	19.69	
	260	10.79	3.29	0.592	11.32	0.781	6.9	18.472	9.84	7.70	0.596	4.02E-03	17.61	
	296	12.93	3.79	0.584	13.68	1.109	8.1	18.377	11.86	5.98	0.588	2.72E-03	16.23	
	332	15.29	4.27	0.576	16.31	1.506	9.2	18.284	14.11	4.72	0.580	1.89E-03	14.87	
	368	17.95	4.76	0.568	19.34	2.048	10.6	18.191	16.62	3.94	0.572	1.38E-03	14.17	
	404	20.83	5.25	0.560	22.62	2.628	11.6	18.097	19.39	3.18	0.564	1.05E-03	12.88	

ONE - DIMENSIONAL CONSOLIDATION TEST: CRS LOADING RESULTS (Load Time - Deformation Properties)

Loading Info. (1)	Elapsed Time from Start of Loading, Δt_n (min)	Overall Effective Vertical Stress, $\sigma'_{v,n}$ (ksf)	Corrected Volumetric (Axial) Strain, $\epsilon_{v,n}$ ($\epsilon_{ac,n}$) $\Delta H_{c,n} / H_0$ (%)	Overall Void Ratio, e_n	Total Vertical Stress, $\sigma_{v,n}$ (ksf)	Excess Pore-Water Pressure, ΔU_n (2) (ksf)	Loading Pore-Water Pressure Ratio, R_u $\Delta U_n / \sigma_{v,n}$ (%)	Corrected Specimen Height, $H_{c,n}$ (mm)	Calculations Between n and n-1				Steady State Ratio, $SSR_n = \frac{c_v \cdot t_n \cdot UCF}{T_v \cdot (H_{c,avg})^2}$	Rate of Secondary Comp. (3), $c_{\alpha} = \frac{\Delta d_{a,sc}}{H_0} (\times 10^{-4})$
									Average Effective Vertical Stress, $\sigma'_{v,avg}$ (ksf)	Coefficient of Consolidation, c_v (m ² /y)	Average Void Ratio, e_{avg}	Hydraulic Conductivity, k @ 20°C (m/y)		
	440	23.96	5.73	0.552	26.16	3.234	12.4	18.006	22.39	2.70	0.556	8.06E-04	12.17	
	476	27.28	6.20	0.544	29.89	3.825	12.8	17.916	25.62	2.33	0.548	6.56E-04	11.60	
	512	31.08	6.65	0.537	34.11	4.453	13.1	17.830	29.18	2.23	0.540	5.36E-04	12.15	
	548	34.92	7.08	0.530	38.33	4.996	13.0	17.749	33.00	1.93	0.533	4.33E-04	11.45	
	584	39.27	7.52	0.522	43.16	5.706	13.2	17.664	37.10	1.93	0.526	3.97E-04	12.41	
	620	43.89	7.95	0.515	48.25	6.389	13.2	17.582	41.58	1.78	0.519	3.36E-04	12.35	
	656	48.83	8.37	0.508	53.61	7.018	13.1	17.501	46.36	1.68	0.512	2.97E-04	12.49	
	680	52.22	8.64	0.504	57.33	7.492	13.1	17.449	50.52	1.60	0.506	2.63E-04	12.47	
UE	682	51.91	8.67	0.503	56.61	6.900	12.2	17.444	52.07		0.504		-29.29	
	736	48.91	8.87	0.500	49.83	1.379	2.8	17.406	50.41		0.502			
	790	39.28	8.84	0.501	38.45	-1.247	-3.2	17.412	44.09		0.500			
	844	30.39	8.72	0.502	29.09	-1.976	-6.8	17.434	34.83		0.501			
US	898	23.49	8.55	0.505	21.79	-2.609	-12.0	17.468	26.94		0.504			
	952	18.24	8.32	0.509	16.25	-3.074	-18.9	17.510	20.86	3.14	0.507	2.34E-04	2.11	
	1006	14.17	8.06	0.513	12.04	-3.321	-27.6	17.561	16.20	2.20	0.511	2.45E-04	2.94	
	1060	10.98	7.76	0.518	8.82	-3.431	-38.9	17.618	12.57	1.67	0.516	2.61E-04	3.33	
	1114	8.49	7.44	0.524	6.37	-3.440	-54.0	17.680	9.74	1.32	0.521	2.74E-04	3.49	
	1168	6.55	7.10	0.529	4.55	-3.325	-73.1	17.745	7.52	1.07	0.526	2.93E-04	3.50	
UE	1222	5.03	6.74	0.535	3.17	-3.151	-99.3	17.812	5.79	0.91	0.532	3.14E-04	3.53	
	1224	4.98	6.73	0.535	3.13	-3.145	-100.5	17.814	5.00		0.535			
	1226	5.04	6.72	0.535	3.26	-3.018	-92.7	17.817	5.01		0.535			
	1262	8.29	6.74	0.535	9.29	1.465	15.8	17.813	6.66		0.535			
	1298	12.95	7.00	0.531	15.78	4.044	25.6	17.762	10.62		0.533			
US	1334	18.05	7.33	0.525	22.03	5.690	25.8	17.701	15.50		0.528			
	1370	23.48	7.67	0.520	28.25	6.844	24.2	17.636	20.76		0.523		0.87	
	1406	29.47	8.01	0.514	34.62	7.430	21.5	17.571	26.47	1.79	0.517	2.30E-04	1.58	
	1442	36.14	8.34	0.509	41.55	7.850	18.9	17.507	32.80	1.83	0.511	2.08E-04	2.45	
	1478	43.22	8.68	0.503	48.71	8.003	16.4	17.442	39.68	1.83	0.506	2.03E-04	3.29	
	1514	50.43	9.01	0.498	56.25	8.492	15.1	17.379	46.82	1.86	0.500	1.86E-04	4.21	
	1550	57.70	9.37	0.492	63.46	8.449	13.3	17.311	54.06	1.74	0.495	1.94E-04	4.75	

DCN# EXE808

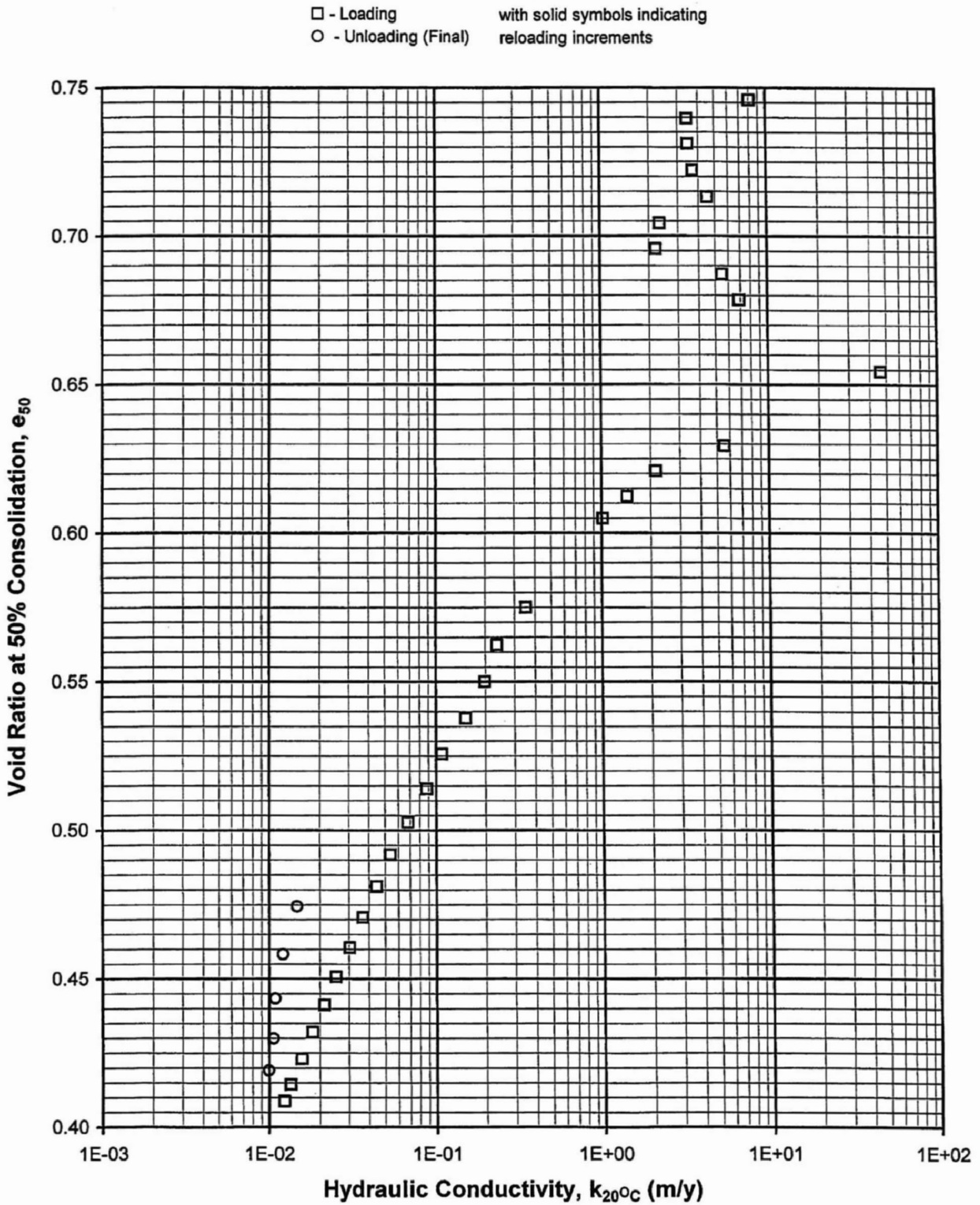
FUGRO CONSULTANTS, INC.



1-D CONSOLIDATION TEST: CRS
 Sample No. UD-5A - Depth 17.0 - 18.7 ft
 Boring B-2321UD

KAW 7/16/08

Reviewed By: HW



1-D CONSOLIDATION TEST: CRS
Sample No. UD-5A - Depth 17.0 - 18.7 ft
Boring B-2321UD

ONE - DIMENSIONAL CONSOLIDATION TEST: Specimen Setup / Take Down

Project Number: 0411-08-1686 Test Station No.: CRS-3 File Name: B-2321_UD5a
 Task No.: NA Specific Gravity, G_s : 2.720 ☒ Meas.; ☐ Assumed Ring No.: 3
 Project Name: Exelon (Victoria) Assig. Remarks: Ring Area, A_r (cm²) = 31.723
 TEST TYPE: ☒ CRS (D 4186-06); ☐ Method A; ☐ Method B; ☐ Method C; ☐ Method D; Ring Height (mm) = NA
☐ Method E; ☐ Method F; ☐ Method G; ☐ Method H; ☐ Method I; ☐ Method J; Summary of Methods: NA

☒ Tube	☐ Field Extruded	☐ Liner	☐ Remolded	☐ Tamping	☐ Constant Effort:	Blows/Tamps per Layer =
Boring No.: B-2321UD	☐ LPC Core			Impact/Rammer	Rammer Wgt. (lb) =	No. Layers =
Sample No.: UD-5	Composite No.:			Pluviated:	Tamper Force (lb) =	Drop (in.) =
Depth (ft): 17.0 - 18.7	Specimen No.: A			Kneading	Undercompaction: U_{nl} (%) =	Dia. (in.) =
☐ Spec. Selection by X-ray;	☐ Geomarine Sample				Ref. Effort =	% Comp. = $\pm$ Opt. =

Water Content (W);	Initial - Trimming Location			Final, W _{at} (see below)	Soil and Ring Masses	Initial	Final
	Top (W1)	Bottom (W2)	Sides (W3)		Mass Moist Soil + Ring (g)	323.88	323.49
Container No.	779	802	2026	684	Mass Ring (g)	211.72	
Mass Moist Soil + Container (g)	126.23	106.73	102.68	62.57	Mass Moist Soil, M _{t,o} or M _{t,at} (g)	112.16	111.77
Mass Dry Soil + Container (g)	110.41	94.82	91.03	56.55	EXCESS DRY SOIL (soil not incl. in final mass above)		
Mass Container (g)	31.69	32.03	30.63	24.63	Container No.	5023	
WATER CONTENT (%)	20.10	18.97	19.29	18.86	Mass Dry Soil + Container (g)	31.19	
Avg. Initial Water Content, W ₄ (%)	19.45	Final W _{at} : X Slice ;		Whole Spec.	Mass Container (g)	31.14	
See attached data sheet(s) for additional water contents					Mass Excess Dry Soil, M _{d,es} (g)	0.05	

Soil Height: Measurements (mm)				Soil Height: Calculations, (mm)		Initial	Final
Initial		Final		Height of Gauge Block, H_{gb} (1)		0.000	19.060
with Spec.	without Spec.	with Spec.	without Spec.	Reading on Gauge Block, d_{gb}		0.000	0.000
19.050	0.000	10.730	13.100	Avg. Reading on Soil, d_{soil}		19.052	10.664
19.070	0.000	10.580	13.040	Avg. Reading on Apparatus without Specimen, d_{app}		0.000	13.070
19.050	0.000	10.560	13.050	Soil Height, $H = d_{soil} - d_{app} + H_{gb} - d_{gb}$		19.052	16.654
19.070	0.000	10.690	13.100	Soil Height: Final by Dial Change During Test (mm)			
19.020	0.000	10.760	13.060	Initial Height, H_o		19.052	
☐ Yes ; ☒ No	☒ Yes ; ☐ No	☒ Yes ; ☐ No	☐ Yes ; ☒ No	Require H_{gb} & d_{gb} (1)	Final (end of test) Corr. Total Spec. Deformation, $\Delta H_{c,t}$	2.806	
☐ Yes ; ☒ No	☒ Yes ; ☐ No	☒ Yes ; ☐ No	☐ Yes ; ☒ No	Filter Paper Included:	Final Calculated Height, $H_{f,c} = H_o - \Delta H_{c,t}$	16.246	
(1) Req. block ht. to set bench comparator so the final soil ht. can be determined directly by the diff. between the reading with and without spec. : ~ 12.7 mm; CRS ~ 25 mm					Final Soil Height Measurement, $H_{f,m}$	16.654	
Enter value of H_{gb} & d_{gb} only when that value has to be included in the determination of the soil height.					Normalized Difference in %, $(H_{f,c} - H_{f,m})/H_o$	-2.14	

Estimated Initial Unit Weight		Soil Extruded During Loading	
Total, $\gamma_{t,o}$ (pcf) = 115.85	Dry, $\gamma_{d,o}$ (pcf) = 96.99	Container No.	
Filter Paper Used: ☒ Whatman No. 54; ☐ Other		Mass Dry Soil + Cont. (g)	NA
Incremental Test: Top & Bottom: ☐ Yes ; ☐ No		Mass Cont. (g)	NA
CRS Test: Top Only: ☒ Yes ; ☐ No		Dry Mass - Soil Extruded During Loading, $M_{d,el}$ (g)	0.00

Photo taken of Sliced Test Specimen: ☐ Yes ; ☒ No

Final Visual Description: Mottled Brownish Yellow and Light Gray Lean CLAY (CL)

Trimming/Etc. Remarks:

Method of trimming periphery: ☒ "Casagrande" Lathe ; ☐ Cutting Shoe ; ☐ Wire Saw ; ☐ Other
 Method of trimming ends: ☐ Wire Saw & Sharp (knife) Straight Edge ; ☒ Wire Saw & Straight Edge ; ☐ Wire Saw

Trim./Recon. By: JTG Setup By: JTG Prelim. Calc. By: LF Take Down By: JTG
 Date: 3/28/2008 Date: 3/28/2008 Final Calc. By: LF Date: 4/1/2008
 Reviewed By: HP HP

Note: NA - Not Applicable

KAW 7/16/08

ONE - DIMENSIONAL CONSOLIDATION TEST: Specimen Calculations & Summary

Project Number: 0411-08-1686 Test Station No.: CRS-3 File Name: B-2321_UD5a
 Task No.: NA Specific Gravity, G_s : 2.720 ☒ Measured ; ☐ Assumed.
 Calculations Corrected for Salt (dissolved solids): ☒ No or, ☐ Yes, with Concentration = _____ g/kg

Cal.- Routine	ITEM	Water Content, (%)	Mass Dry Soil, (g)	Degree of Saturation, S in %		
				Height Initial	Final Height Meas.	Dial
1	Initial, Top, W1	20.10	93.39	72.2	99.9	107.4
2	" Bottom, W2	18.97	94.28	69.7	96.8	104.2
3	" Sides, W3	19.29	94.02	70.4	97.7	105.1
4	" Average, W4	19.45	93.90	70.8	98.1	105.6
5	" Back Calculated (1)	19.21	94.09 (3)	70.2	97.5	104.9
6	Final	18.86	94.09 (2)	70.2	97.5	104.9

Calculated Specific Gravity for Final Saturation = 100%:	
Used Cal. Routine No. 5	to obtain the mass of dry soil and final height by: ☒ Measurement; ☐ Dial Change.
Back Cal. G_s = 2.684	
Avg. G_s (measured/assumed) & Back Cal. G_s = 2.702	

Calculation Constant, K = (unit conversion) / $G_s \times \rho_w \times A_r$	
Estimated, K_e	0.11610
Final Selected, K_f	0.11610

Calculated Mass Dry Soil for Final Saturation = 100%:		using measured/assumed G_s
and final height by: ☒ Measurement; ☐ Dial Change.		
Back Cal. Mass Dry Soil, (g) = 93.35		
Avg. Back Calculated and Measured Mass Dry Soil (g) = 93.72		

Summary of Specimen Physical Properties							
Specific Gravity G_s = 2.720		☐ Assumed	To make S_r = 100% at end of test.				
		☒ Measured	Avg. of measured/assumed G_s and G_s to make S_r = 100%				
Mass Dry Soil, (g)	Initial: 94.09	☒	From Cal. Routine No. 5	Note: Routine #5 is based on final measurements.			
	Final (4): NA	☐	Make S_r = 100%, or,	Avg. of measured & make S_r = 100%			
Initial Height (mm) = 19.05		☒	Measured ;	Back Calculated Back-cal. Sat. (%) = NA			
Final Height (mm) = 16.65		☒	Measured ;	Initial H_o & dial change during loading			
	Water Content, w (%)		Void Ratio, e		Degree of Saturation, S (%)		Total Unit Weight, γ_t (pcf)
							Dry Unit Weight, γ_d (pcf)
							Height of Solids, H_s (2,4) (mm)
							Extruded soil loss proportioned in increasing loading increments (5)
Initial	19.2	0.744	70.2	115.9	97.2	10.923	From To (ksf)
Final	18.8	0.525	97.5	132.1	111.2	NA	NA NA

Graphical Construction	σ'_p (ksf)	ϵ_a (%)	CR	RR	OCR	Liquid Limit (LL)	40	Minus 200 (%)
Casagrande Method	10.00	NA	0.113	0.012	4.3	Plastic Limit (PL)	15	90.4
Becker Method	NA	Becker minimum σ'_p (ksf):			NA	Plasticity Index (PI)	25	

NA - Indicates not applicable

Notes:

- (1) Back Calculated based on final mass of oven-dry soil (corrected for dry mass of any excess and extruded soil).
- (2) Corrected for any excess dry soil (soil stuck to ring, filter paper, etc.).
- (3) This value is only different from the final value if there is soil extrusion during loading.
- (4) Final is only different from the initial value if there is soil extrusion during loading.
- (5) There should not be any soil loss in a CRS test, unless stress increments are applied.

Calculated By: LF Reviewed By: HP 
 Date: 4/2/2008

ONE - DIMENSIONAL CONSOLIDATION TEST: CALCULATED CRS LOADING DATA

Project Number: 0411-08-1686 Test Station No.: CRS-3 File Name: B-2321_UD5a
 Task No.: NA Date; Start: 3/28/2008 Initial Height, H_o (mm): 19.05
 Project Name: Exelon (Victoria) Completed: 4/1/2008 Ring Area, A_r (cm²): 31.7233
 Test: Initial / Pressure Gauge Back Pressure, U_G (psi): 70 ☒ Undisturbed or ; ☐ Reconstituted - Specimen.
 Reference Values: Back Pressure, $U_{b, BE}$ (psi): 70.65509, V : 0.02312581 Piston Uplift, P_{up} (lbf): 34.70
 Back Pressure, $U_{b, CS}$ (psi): 70.63945, V : 0.02312065 Setup DT_{ref} (V): 0.04953916
 Displacement Transducer No.: DT-103 Calib. Factor (mm/V): -213.848 Ch. No.: 7
 Pore Press. Transducer No.: PT-108 Calib. Factor (psi/V): 3029.501 Ref. Zero (V): -0.000197 Ch. No.: 8
 Force Cell No.: FT-103 Calib. Factor (lbf/V): 161103.256 Ref. Zero (V): 0.000105 Ch. No.: 9

Notes:

- (1) S - Seating, BS - Start of Back Pressure, BE - End of Back Pressure, SC - Stress Controlled, CS - Constant Rate of Strain
 US - Start of Uniform Strain Rate, UE - End of Uniform Strain Rate
- (2) Total Vertical Stress (σ_v) corrected to account for the force caused by the back pressure acting on the piston (Piston Uplift).
- (3) Increasing deformation value indicates: ☒ compression; or ☐ swell.
- (4) "App. Flex. Corr." values based on the apparatus calibration.

Data Management By: LF Reviewed By: HP *HP*

Remarks: _____

Load- ing Info. (1)	Julian Day (dd)	Hour (hr.:min.:s)	Elapsed Time from Start of Loading, Δt_n (min)	Total Vertical Stress, $\sigma_{v,n}$ (2) (ksf)	Excess Pore-Water Pressure, ΔU_n (ksf)	Total Specimen Deformation, ΔH_n (3) (mm)	Apparatus Flexibility Correction, $\Delta d_{af,c,n}$ (mm)	Corr. Total Specimen Deformation, $\Delta H_{c,n}$ (4) (mm)	Strain Rate, between n & n-1, $\Delta \epsilon_{ac,rate}$ (%/hr)
S	88	15 : 17 : 00		0.14		0.000			
BS	88	15 : 30 : 00		0.37		0.047	0.000	0.047	
BE	89	16 : 49 : 00		0.25	0.002	0.027	0.000	0.027	
CS	89	16 : 50 : 00	0	0.25	0.000	0.027	0.004	0.023	
	89	17 : 10 : 00	20	0.52	0.000	0.069	0.007	0.062	0.608
	89	17 : 30 : 00	40	0.62	0.000	0.123	0.010	0.113	0.813
US	89	17 : 50 : 00	60	0.70	0.000	0.177	0.012	0.165	0.808
	89	18 : 10 : 00	80	0.79	0.001	0.230	0.015	0.215	0.793
	89	18 : 44 : 00	114	0.95	0.001	0.320	0.020	0.300	0.786
	89	19 : 24 : 00	154	1.21	0.001	0.426	0.028	0.398	0.773
	89	20 : 04 : 00	194	1.50	0.001	0.530	0.036	0.494	0.760
	89	20 : 44 : 00	234	1.91	0.000	0.637	0.045	0.591	0.763
	89	21 : 24 : 00	274	2.41	0.002	0.740	0.055	0.685	0.740
	89	22 : 04 : 00	314	3.04	0.000	0.843	0.065	0.778	0.730
	89	22 : 44 : 00	354	3.82	0.000	0.948	0.076	0.872	0.737
	89	23 : 24 : 00	394	4.73	0.000	1.050	0.086	0.964	0.722
	90	00 : 04 : 00	434	5.69	-0.001	1.141	0.096	1.046	0.646
	90	00 : 44 : 00	474	6.85	0.000	1.238	0.106	1.133	0.688
	90	01 : 24 : 00	514	8.13	0.000	1.338	0.115	1.223	0.709
	90	02 : 04 : 00	554	9.41	-0.001	1.436	0.124	1.312	0.701
	90	02 : 44 : 00	594	10.72	0.001	1.535	0.132	1.403	0.717
	90	03 : 24 : 00	634	12.04	0.000	1.633	0.139	1.494	0.714
	90	04 : 04 : 00	674	13.36	0.002	1.732	0.146	1.586	0.725
	90	04 : 44 : 00	714	14.78	0.001	1.831	0.154	1.678	0.724

**ONE - DIMENSIONAL CONSOLIDATION TEST:
CALCULATED CRS LOADING DATA**

Load- ing Info. (1)	Julian Day (dd)	Hour (hr.:min.:s)	Elapsed Time from Start of Loading, Δt_n (min)	Total Vertical Stress, $\sigma_{v,n}$ (2) (ksf)	Excess Pore-Water Pressure, ΔU_n (ksf)	Total Specimen Deformation, ΔH_n (3) (mm)	Apparatus Flexibility Correction, $\Delta d_{afc,n}$ (mm)	Corr. Total Specimen Deformation, $\Delta H_{c,n}$ (4) (mm)	Strain Rate, between n & n-1, $\Delta \varepsilon_{ac,rate}$ (%/hr)
UE	90	05 : 14 : 00	744	15.88	0.003	1.905	0.159	1.746	0.720
	90	05 : 16 : 00	746	15.58	0.000	1.906	0.158	1.748	0.334
	90	05 : 46 : 00	776	14.36	0.000	1.911	0.153	1.758	0.096
	90	06 : 16 : 00	806	11.66	-0.001	1.896	0.142	1.754	-0.039
	90	06 : 46 : 00	836	9.14	-0.001	1.873	0.130	1.743	-0.116
	90	07 : 16 : 00	866	7.15	-0.001	1.847	0.120	1.727	-0.164
	90	07 : 46 : 00	896	5.57	0.000	1.819	0.110	1.709	-0.189
US	90	08 : 16 : 00	926	4.35	-0.002	1.788	0.100	1.687	-0.228
	90	08 : 46 : 00	956	3.39	0.000	1.754	0.091	1.663	-0.255
	90	09 : 16 : 00	986	2.65	0.000	1.719	0.083	1.636	-0.286
	90	09 : 46 : 00	1016	2.09	-0.001	1.682	0.075	1.607	-0.304
	90	10 : 16 : 00	1046	1.66	-0.001	1.646	0.068	1.578	-0.307
	90	10 : 22 : 00	1052	1.58	0.000	1.639	0.067	1.572	-0.310
UE	90	10 : 24 : 00	1054	1.58	0.000	1.637	0.067	1.570	-0.299
	90	11 : 26 : 00	1116	5.05	0.003	1.732	0.106	1.626	0.285
	90	12 : 28 : 00	1178	10.70	0.002	1.860	0.138	1.722	0.488
	90	13 : 30 : 00	1240	16.10	0.003	1.994	0.160	1.834	0.567
US	90	14 : 32 : 00	1302	19.50	0.004	2.142	0.175	1.967	0.675
	90	15 : 34 : 00	1364	22.70	0.006	2.292	0.188	2.104	0.696
	90	16 : 36 : 00	1426	26.15	0.008	2.440	0.201	2.239	0.688
	90	17 : 38 : 00	1488	30.20	0.009	2.588	0.215	2.372	0.676
	90	18 : 40 : 00	1550	34.77	0.013	2.735	0.231	2.504	0.669
	90	19 : 42 : 00	1612	39.82	0.016	2.879	0.246	2.632	0.652
	90	20 : 44 : 00	1674	45.55	0.018	3.019	0.263	2.756	0.628
	90	21 : 46 : 00	1736	51.96	0.024	3.157	0.281	2.876	0.609
	90	22 : 48 : 00	1798	58.95	0.027	3.293	0.300	2.993	0.595
	90	23 : 50 : 00	1860	66.71	0.032	3.426	0.319	3.107	0.576
	91	00 : 52 : 00	1922	75.20	0.038	3.558	0.340	3.218	0.567
	91	01 : 54 : 00	1984	84.46	0.043	3.687	0.361	3.327	0.551
	91	02 : 56 : 00	2046	94.52	0.050	3.813	0.382	3.431	0.529
	91	03 : 58 : 00	2108	105.24	0.055	3.936	0.405	3.532	0.513
	91	05 : 00 : 00	2170	116.64	0.062	4.057	0.427	3.629	0.495
	91	06 : 02 : 00	2232	128.95	0.069	4.175	0.450	3.725	0.485
	91	07 : 04 : 00	2294	141.50	0.075	4.289	0.473	3.816	0.462
UE	91	07 : 26 : 00	2316	146.33	0.080	4.330	0.482	3.848	0.461
	91	07 : 28 : 00	2318	145.89	0.057	4.331	0.481	3.850	0.371
	91	10 : 06 : 00	2476	128.38	-0.003	4.339	0.453	3.887	0.073
	91	12 : 44 : 00	2634	91.53	-0.013	4.256	0.387	3.868	-0.036
	91	15 : 22 : 00	2792	59.41	-0.022	4.155	0.322	3.833	-0.072
US	91	18 : 00 : 00	2950	34.24	-0.036	4.031	0.262	3.769	-0.126
	91	20 : 38 : 00	3108	18.00	-0.048	3.884	0.214	3.670	-0.198
	91	23 : 16 : 00	3266	9.19	-0.059	3.714	0.178	3.536	-0.267

ONE - DIMENSIONAL CONSOLIDATION TEST: CALCULATED CRS LOADING DATA

[illegible]

ONE - DIMENSIONAL CONSOLIDATION TEST: CRS LOADING RESULTS (Load Time - Deformation Properties)

Project Number: 0411-08-1686 Test Station No.: CRS-3 ☒ Undisturbed or ; ☐ Reconstituted - Specimen. File Name: B-2321_UD5

Task No.: NA Date: Start: 3/28/2008 Back Pressure, $U_{b,CS}$ (psi): 70.6 Piston Uplift, P_{up} (lb): 34.70

Project Name: Exelon (Victoria) Completed: 4/1/2008 Transient Time Factor, $T_v = (C_v \cdot t) / H^2 = 0.5$

4186-06-Summary of Methods: NA ☐ Data corrected for salt ; in ☐ g/kg

Final Description of Specimen: Mottled Brownish Yellow and Light Gray Lean CLAY (CL)

Ring No.: 3 Area, A_r (cm²): 31.723 Solids Ht., H_s (mm): 10.923 Specific Gravity, $G_s = 2.720$ ☒ Meas. ; ☐ Assumed

Initial: Height H_o : 19.05 Water 19.2 Void 0.744 Deg. of 70.2 Total Unit 115.9 Dry Unit 97.2

Final: (mm): H_f : 16.65 Content, w (%): 18.8 Ratio, e: 0.525 Sat., S (%): 97.5 Weight, γ_t (pcf): 132.1 Weight, γ_d (pcf): 111.2

Notes:

- (1) S - Seating, BS - Start of Back Pressure, BE - End of Back Pressure, SC - Stress Controlled, CS - Constant Rate of Strain, US - Start of Uniform Strain Rate, UE - End of Uniform Strain Rate or ΔU_n to erratic
- (2) Excess pore-water pressure measured at the base of the specimen.
- (3) Only applicable during stress controlled (SC) loading.

Data Management by: LF

Reviewed By: HP

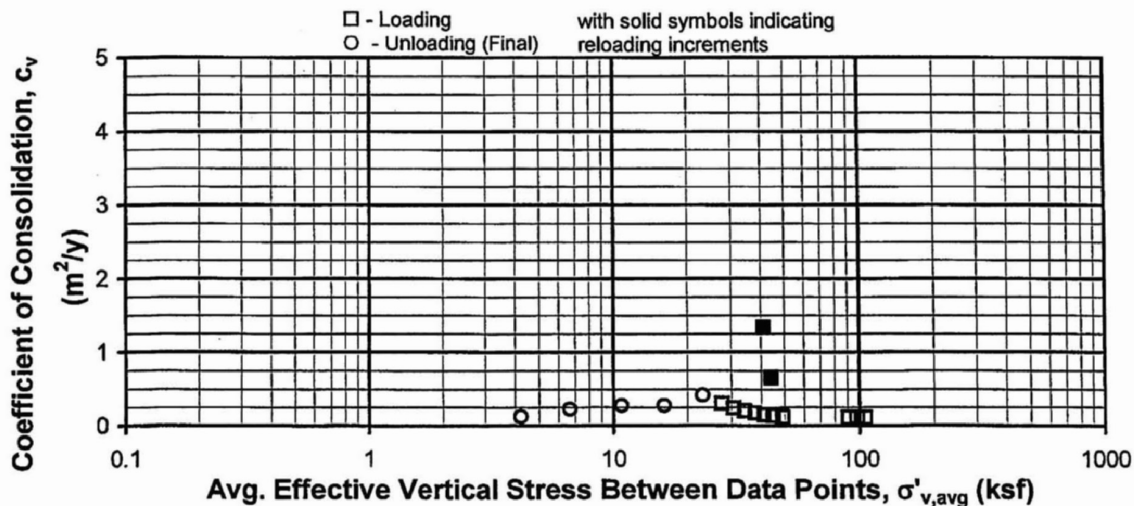
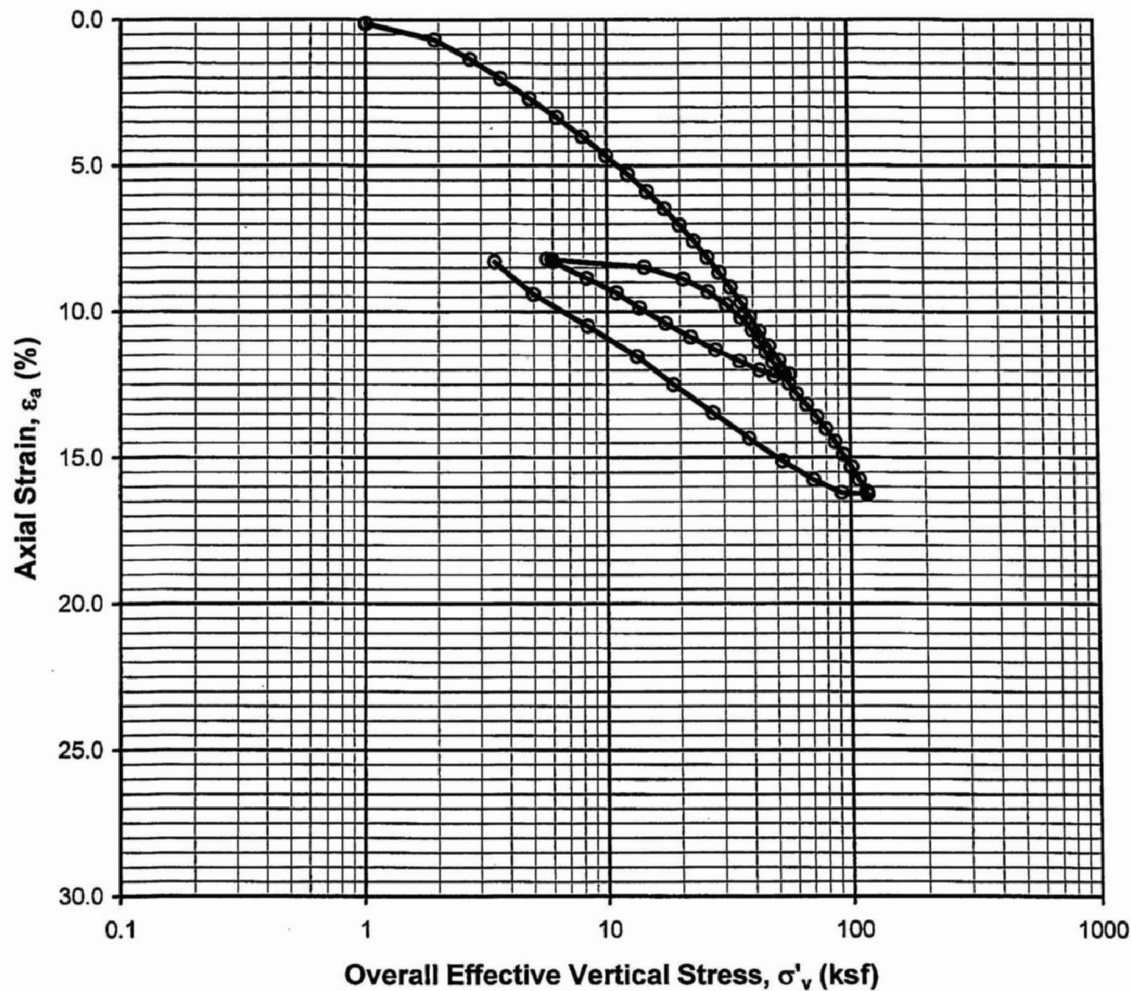
Loading Info. (1)	Elapsed Time from Start of Loading, Δt_n (min)	Overall Effective Vertical Stress, $\sigma'_{v,n}$ (ksf)	Corrected Volumetric (Axial) Strain, $\epsilon_{v,n} (\epsilon_{ac,n})$ $\Delta H_{c,n} / H_o$ (%)	Overall Void Ratio, e_n	Total Vertical Stress, $\sigma_{v,n}$ (ksf)	Excess Pore-Water Pressure, $\Delta U_n (2)$ (ksf)	Loading Pore-Water Pressure Ratio, R_u $\Delta U_n / \sigma_{v,n}$ (%)	Corrected Specimen Height, $H_{c,n}$ (mm)	Calculations Between n and n-1				Steady State Ratio, $SSR_n = \frac{C_v \cdot t_n \cdot UCF}{T_v \cdot (H_{c,avg})^2}$	Rate of Secondary Comp. (3), $C_{\alpha} = \frac{\Delta d_{a,sc}}{H_o} (\times 10^{-4})$
									Average Effective Vertical Stress, $\sigma'_{v,avg}$ (ksf)	Coefficient of Consolidation, C_v (m ² /y)	Average Void Ratio, e_{avg}	Hydraulic Conductivity, k @ 20°C (m/y)		
S					0.14				Data on given line represents average conditions between that line and the previous line of data.					
BS			0.25	0.740	0.37			19.005						
BE		0.24	0.14	0.742	0.25	0.002	0.9	19.025			0.741			
CS	0	0.25	0.12	0.742	0.25	0.000	0.0	19.029			0.742			
	20	0.52	0.32	0.739	0.52	0.000	-0.1	18.990	0.39		0.740			
	40	0.62	0.59	0.734	0.62	0.000	-0.1	18.939	0.57		0.736			
US	60	0.70	0.86	0.729	0.70	0.000	0.0	18.887	0.66		0.731			
	80	0.79	1.13	0.724	0.79	0.001	0.1	18.837	0.75	1357.75	0.727	8.03E+00	290.43	
	114	0.95	1.57	0.717	0.95	0.001	0.1	18.752	0.87	599.57	0.721	3.43E+00	348.77	
	154	1.21	2.09	0.708	1.21	0.001	0.1	18.654	1.08	839.73	0.712	3.45E+00	858.65	
	194	1.50	2.60	0.699	1.50	0.001	0.0	18.558	1.35	1048.67	0.703	3.68E+00	1544.63	
	234	1.91	3.10	0.690	1.91	0.000	0.0	18.461	1.70	1782.95	0.694	4.50E+00	3445.84	
	274	2.41	3.60	0.681	2.41	0.002	0.1	18.367	2.16	1163.66	0.686	2.31E+00	2794.72	
	314	3.04	4.08	0.673	3.04	0.000	0.0	18.274	2.73	1387.77	0.677	2.19E+00	3996.38	
	354	3.82	4.58	0.664	3.82	0.000	0.0	18.180	3.43	4279.20	0.669	5.49E+00	14409.72	
	394	4.73	5.06	0.656	4.73	0.000	0.0	18.088	4.27	6345.46	0.660	6.86E+00	24523.57	
	434	5.69	5.49	0.648	5.69	-0.001	0.0	18.006	5.21		0.652		-24858.66	

ONE - DIMENSIONAL CONSOLIDATION TEST: CRS LOADING RESULTS (Load Time - Deformation Properties)

Loading Info. (1)	Elapsed Time from Start of Loading, Δt_n (min)	Overall Effective Vertical Stress, $\sigma'_{v,n}$ (ksf)	Corrected Volumetric (Axial) Strain, $\epsilon_{v,n}$ ($\epsilon_{ac,n}$) $\Delta H_{c,n} / H_0$ (%)	Overall Void Ratio, e_n	Total Vertical Stress, $\sigma_{v,n}$ (ksf)	Excess Pore-Water Pressure, ΔU_n (2) (ksf)	Loading Pore-Water Pressure Ratio, R_u $\Delta U_n / \sigma_{v,n}$ (%)	Corrected Specimen Height, $H_{c,n}$ (mm)	Calculations Between n and n-1				Steady State Ratio, $SSR_n = \frac{c_v \cdot t_n \cdot UCF}{T_v \cdot (H_{c,n})^2}$	Rate of Secondary Comp. (3), $c_\alpha = \Delta d_{a,sc} / H_0$ ($\times 10^{-4}$)
									Average Effective Vertical Stress, $\sigma'_{v,avg}$ (ksf)	Coefficient of Consolidation, c_v (m ² /y)	Average Void Ratio, e_{avg}	Hydraulic Conductivity, k @ 20°C (m/y)		
	474	6.85	5.95	0.640	6.85	0.000	0.0	17.919	6.27		0.644		-25034.75	
	514	8.13	6.42	0.632	8.13	0.000	0.0	17.829	7.49	61837.69	0.636	4.64E+01	###	
	554	9.41	6.89	0.624	9.41	-0.001	0.0	17.740	8.77		0.628		-41130.32	
	594	10.72	7.36	0.616	10.72	0.001	0.0	17.649	10.07		0.620		###	
	634	12.04	7.84	0.607	12.04	0.000	0.0	17.558	11.38	7509.04	0.612	5.53E+00	52925.59	
	674	13.36	8.32	0.599	13.36	0.002	0.0	17.466	12.70	2869.13	0.603	2.14E+00	21857.94	
	714	14.77	8.81	0.591	14.78	0.001	0.0	17.374	14.07	2054.82	0.595	1.44E+00	16850.84	
UE	744	15.88	9.17	0.584	15.88	0.003	0.0	17.306	15.33	1525.73	0.587	1.02E+00	13207.36	
	746	15.58	9.18	0.584	15.58	0.000	0.0	17.304	15.73		0.584			
	776	14.36	9.23	0.583	14.36	0.000	0.0	17.294	14.97		0.584			
	806	11.67	9.21	0.584	11.66	-0.001	0.0	17.298	13.01		0.583			
	836	9.14	9.15	0.585	9.14	-0.001	0.0	17.309	10.40		0.584			
	866	7.15	9.07	0.586	7.15	-0.001	0.0	17.325	8.15		0.585			
	896	5.57	8.97	0.588	5.57	0.000	0.0	17.343	6.36		0.587			
US	926	4.35	8.86	0.590	4.35	-0.002	0.0	17.365	4.96		0.589			
	956	3.39	8.73	0.592	3.39	0.000	0.0	17.389	3.87	2717.99	0.591	7.35E-01	1027.57	
	986	2.65	8.59	0.594	2.65	0.000	0.0	17.416	3.02	18483.78	0.593	7.25E+00	13934.75	
	1016	2.09	8.43	0.597	2.09	-0.001	0.0	17.445	2.37	3166.75	0.596	1.75E+00	3569.54	
	1046	1.66	8.28	0.600	1.66	-0.001	0.0	17.474	1.88	1551.74	0.598	1.11E+00	2324.38	
	1052	1.58	8.25	0.600	1.58	0.000	0.0	17.480	1.62	2311.38	0.600	1.83E+00	3628.06	
UE	1054	1.58	8.24	0.600	1.58	0.000	0.0	17.482	1.58	3185.49	0.600	-2.89E+01	5077.20	
	1116	5.05	8.53	0.595	5.05	0.003	0.1	17.426	3.31		0.598			
	1178	10.70	9.04	0.587	10.70	0.002	0.0	17.330	7.88		0.591			
	1240	16.10	9.62	0.576	16.10	0.003	0.0	17.218	13.40		0.581			
US	1302	19.50	10.32	0.564	19.50	0.004	0.0	17.085	17.80		0.570			
	1364	22.70	11.04	0.552	22.70	0.006	0.0	16.948	21.10	766.76	0.558	3.51E-01	624.70	
	1426	26.14	11.75	0.539	26.15	0.008	0.0	16.813	24.42	557.63	0.545	2.35E-01	923.37	
	1488	30.20	12.45	0.527	30.20	0.009	0.0	16.680	28.17	563.49	0.533	1.98E-01	1422.15	
	1550	34.76	13.14	0.515	34.77	0.013	0.0	16.548	32.48	488.47	0.521	1.51E-01	1670.05	
	1612	39.81	13.82	0.503	39.82	0.016	0.0	16.420	37.28	398.61	0.509	1.08E-01	1730.51	

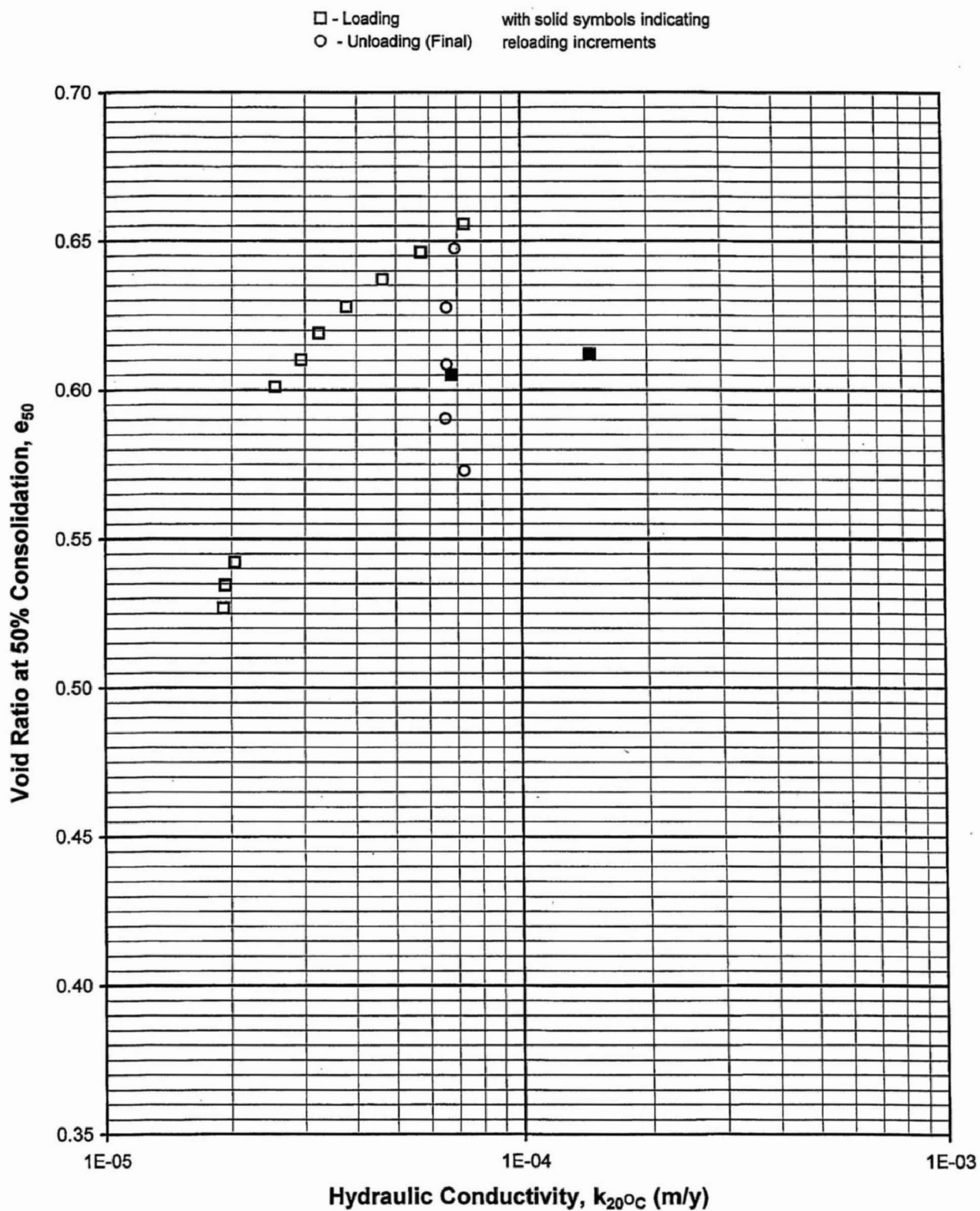
DCN# EXE808

FUGRO CONSULTANTS, INC.



1-D CONSOLIDATION TEST: CRS
Sample No. UD-6A - Depth 28.5 - 30.2 ft
Boring B-2321UD

KAW 7/16/08



1-D CONSOLIDATION TEST: CRS
 Sample No. UD-6A - Depth 28.5 - 30.2 ft
 Boring B-2321UD

KAW 7/16/08

ONE - DIMENSIONAL CONSOLIDATION TEST: Specimen Setup / Take Down

Project Number: 0411-08-1686 Test Station No.: CRS-8 File Name: B-2321_UD6a
 Task No.: NA Specific Gravity, G_s : 2.720 ☒ Meas. ; ☐ Assumed Ring No.: 8
 Project Name: Exelon (Victoria) Assig. Remarks: Ring Area, A_r (cm²) = 31.686
 TEST TYPE: ☒ CRS (D 4186-06); ☐ Method A; ☐ Method B; ☐ Method C; ☐ Method D; Ring Height (mm) = NA
☐ Method E; ☐ Method F; ☐ Method G; ☐ Method H; ☐ Method I; ☐ Method J; Summary of Methods: NA

☒ Tube	☐ Field Extruded	☐ Liner	☐ Remolded	☐ Tamping	Constant Effort:	Blows/Tamps per Layer =
Boring No.: B-2321UD	☐ LPC Core			Impact/Rammer	Rammer Wgt. (lbf) =	No. Layers =
Sample No.: UD-6	Compostite No.:			Pluviated:	Tamper Force (lbf) =	Drop (in.) =
Depth (ft): 28.5 - 30.2	Specimen No.: A			Kneading	Undercompaction: U_{nl} (%) =	Dia. (in.) =
☐ Spec. Selection by X-ray;	☐ Geomarine Sample				Ref. Effort =	% Comp. = $\pm$ Opt. =

Water Content (W);	Initial - Trimming Location			Final, W _{at} (see below)	Soil and Ring Masses	Initial	Final
	Top (W1)	Bottom (W2)	Sides (W3)		Mass Moist Soil + Ring (g)	330.74	331.27
Container No.	116	785	819	189	Mass Ring (g)	214.27	
Mass Moist Soil + Container (g)	115.13	125.75	109.39	64.72	Mass Moist Soil, M _{t,o} or M _{t,at} (g)	116.47	117.00
Mass Dry Soil + Container (g)	98.86	107.59	94.26	57.51	EXCESS DRY SOIL (soil not incl. in final mass above)		
Mass Container (g)	29.69	31.96	31.98	30.39	Container No.	501	
WATER CONTENT (%)	23.52	24.01	24.29	26.59	Mass Dry Soil + Container (g)	32.07	
Avg. Initial Water Content, W4 (%)	23.94	Final W _{at} : X Slice ;		Whole Spec.	Mass Container (g)	31.82	
See attached data sheet(s) for additional water contents					Mass Excess Dry Soil, M _{d,es} (g)	0.25	

Soil Height: Measurements (mm)				Soil Height: Calculations, (mm)		Initial	Final
Initial		Final		Height of Gauge Block, H_{gb} (1)		0.000	19.060
with Spec.	without Spec.	with Spec.	without Spec.	Reading on Gauge Block, d_{gb}		0.000	0.000
19.300	0.000	12.290	13.040	Avg. Reading on Soil, d_{soil}		19.260	12.284
19.210	0.000	12.290	12.980	Avg. Reading on Apparatus without Specimen, d_{app}		0.000	12.988
19.250	0.000	12.320	12.980	Soil Height, $H = d_{soil} - d_{app} + H_{gb} - d_{gb}$		19.260	18.356
19.290	0.000	12.280	12.980	Soil Height: Final by Dial Change During Test (mm)			
19.250	0.000	12.240	12.960	Initial Height, H_o		19.260	
☐ Yes ;	☒ No	☒ Yes ;	☐ No	Require H_{gb} & d_{gb} (1)		Final (end of test) Corr. Total Spec. Deformation, $\Delta H_{c,f}$	
☐ Yes ;	☒ No	☒ Yes ;	☐ No	Filter Paper Included:		Final Calculated Height, $H_{f,c} = H_o - \Delta H_{c,f}$	
(1) Req. block ht. to set bench comparator so the final soil ht. can be determined directly by the diff. between the reading with and without spec. : ~ 12.7 mm; CRS ~ 25 mm				Final Soil Height Measurement, $H_{f,m}$		18.356	
Enter value of H_{gb} & d_{gb} only when that value has to be included in the determination of the soil height.				Normalized Difference in %, $(H_{f,c} - H_{f,m})/H_o$		-3.61	

Estimated Initial Unit Weight				Soil Extruded During Loading	
Total, $\gamma_{t,o}$ (pcf) = 119.14	Dry, $\gamma_{d,o}$ (pcf) = 96.13			Container No.	
Filter Paper Used: ☒ Whatman No. 54;	☐ Other			Mass Dry Soil + Cont. (g)	NA
Incremental Test: Top & Bottom: ☐ Yes ;	☐ No			Mass Cont. (g)	NA
CRS Test: Top Only: ☒ Yes ;	☐ No			Dry Mass - Soil Extruded During Loading, $M_{d,el}$ (g)	0.00

Photo taken of Sliced Test Specimen: ☐ Yes ; ☒ No

Final Visual Description: Mottled Brownish Yellow and Light Gray Fat CLAY (CH)

Trimming/Etc. Remarks:

Method of trimming periphery: ☒ "Casagrande" Lathe ; ☐ Cutting Shoe ; ☐ Wire Saw ; ☐ Other
 Method of trimming ends: ☐ Wire Saw & Sharp (knife) Straight Edge ; ☒ Wire Saw & Straight Edge ; ☐ Wire Saw

Trim./Recon. By: JTG Setup By: JTG Prelim. Calc. By: LF Take Down By: JTG
 Date: 3/26/2008 Date: 3/26/2008 Final Calc. By: LF Date: 4/1/2008
 Reviewed By: HP

Note: NA - Not Applicable

KAW 7/16/08