

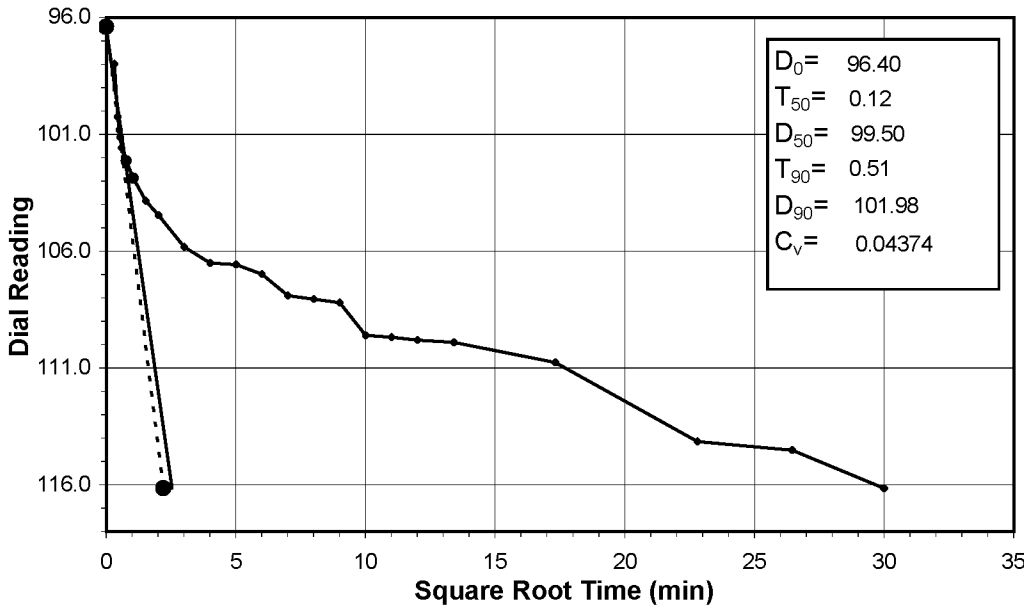
ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates
 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-022

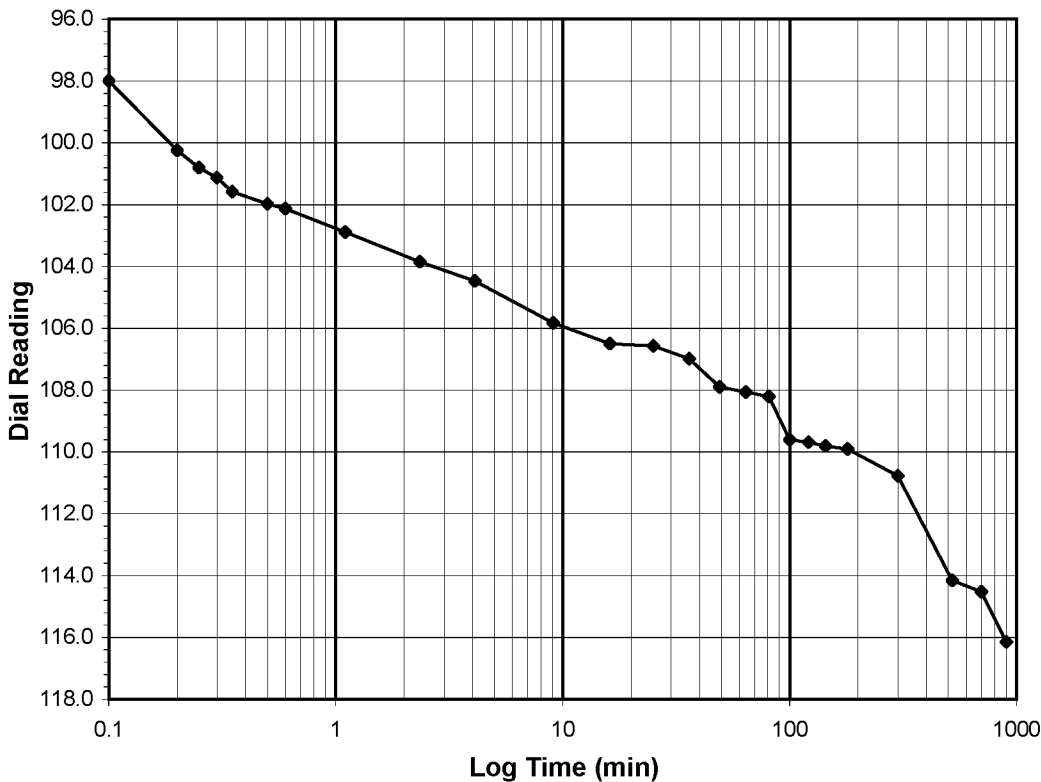
Boring No. R-6-1b
 Depth (ft) 163.4-163.6
 Sample No. ST-5
 Visual Description Gray Silty Sand

Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf)	0.25-0.5
Final Reading (div)	116.1
Consolidometer No.	G1427
1 Division (in)	0.0001
Start Date	12/3/13
Start Time	2:13:07

Elapsed Time (min)	Dial Reading (div)
Initial	77.2
0.10	98.0
0.20	100.2
0.25	100.8
0.30	101.1
0.35	101.6
0.50	102.0
0.60	102.1
1.10	102.9
2.35	103.8
4.10	104.5
9.10	105.8
16.12	106.5
25.12	106.6
36.12	107.0
49.12	107.9
64.12	108.1
81.12	108.2
100.12	109.6
121.12	109.7
144.12	109.8
180.12	109.9
300.12	110.8
520.12	114.2
700.12	114.5
900.05	116.1



Tested By DB Date 12/3/13 Checked By NM Date 12/16/13

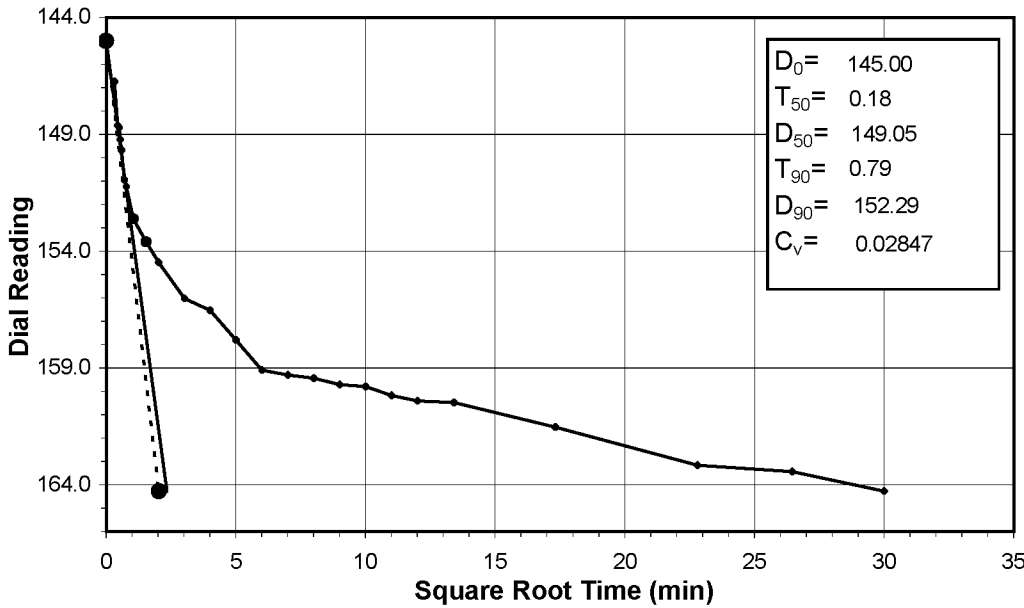
ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates
 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-022

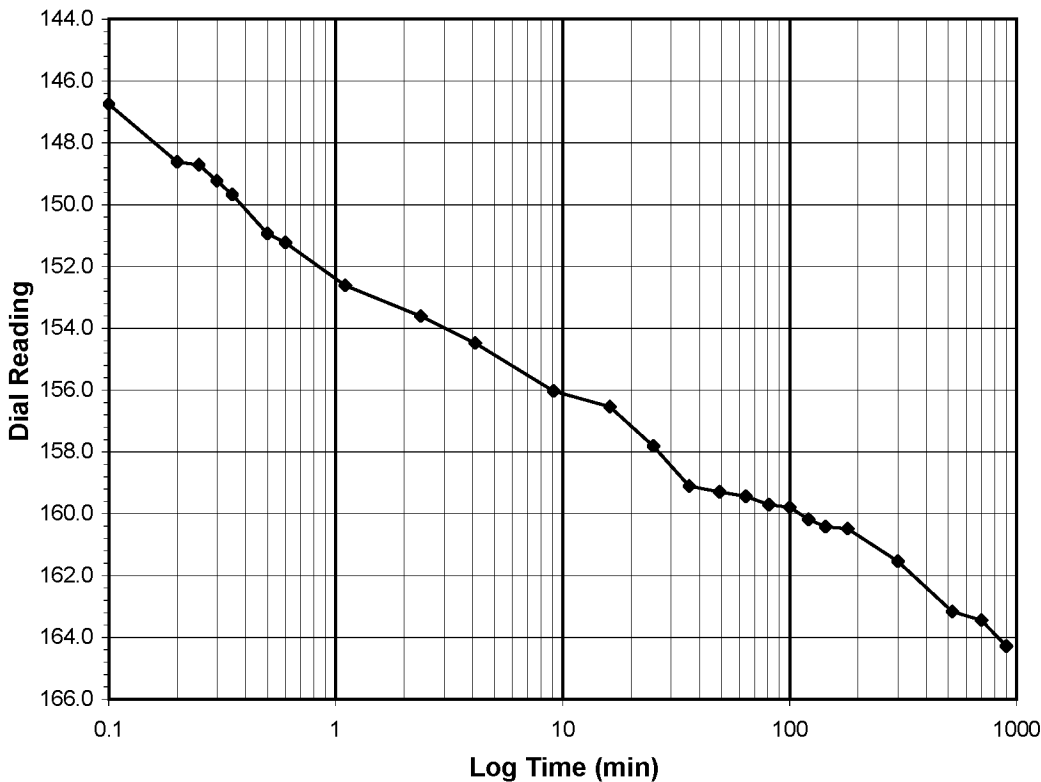
Boring No. R-6-1b
 Depth (ft) 163.4-163.6
 Sample No. ST-5
 Visual Description Gray Silty Sand

Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf)	0.5-1.0
Final Reading (div)	164.3
Consolidometer No.	G1427
1 Division (in)	0.0001
Start Date	12/3/13
Start Time	17:13:10

Elapsed Time (min)	Dial Reading (div)
Initial	116.1
0.10	146.7
0.20	148.6
0.25	148.7
0.30	149.2
0.35	149.7
0.50	150.9
0.60	151.2
1.10	152.6
2.37	153.6
4.12	154.5
9.12	156.0
16.12	156.5
25.12	157.8
36.12	159.1
49.12	159.3
64.12	159.4
81.12	159.7
100.12	159.8
121.12	160.2
144.12	160.4
180.12	160.5
300.13	161.5
520.13	163.2
700.13	163.4
900.23	164.3



Tested By **DB** Date **12/3/13** Checked By **NM** Date **12/16/13**

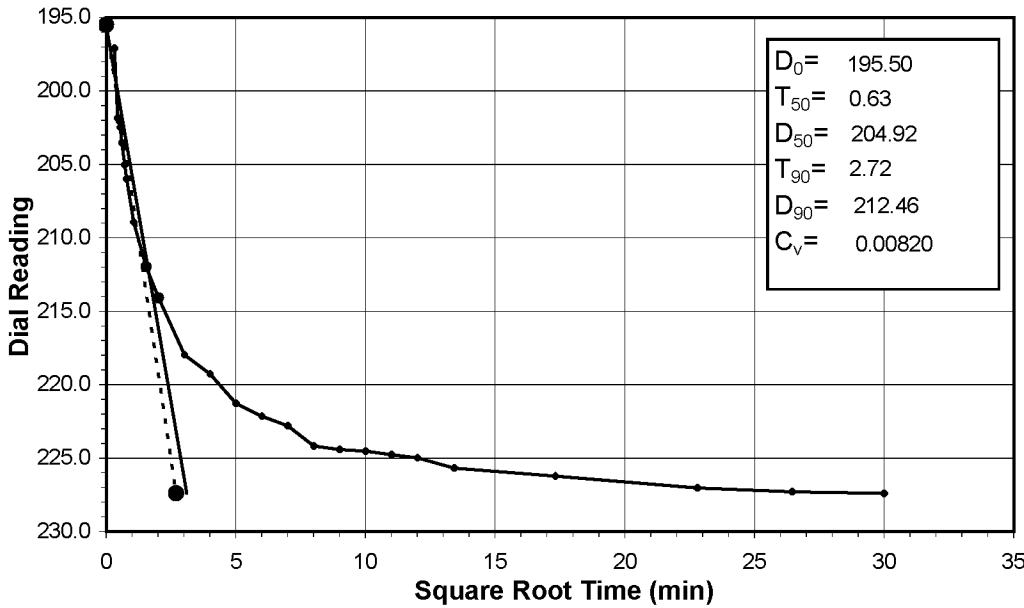
ONE DIMENSIONAL CONSOLIDATION

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 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-022

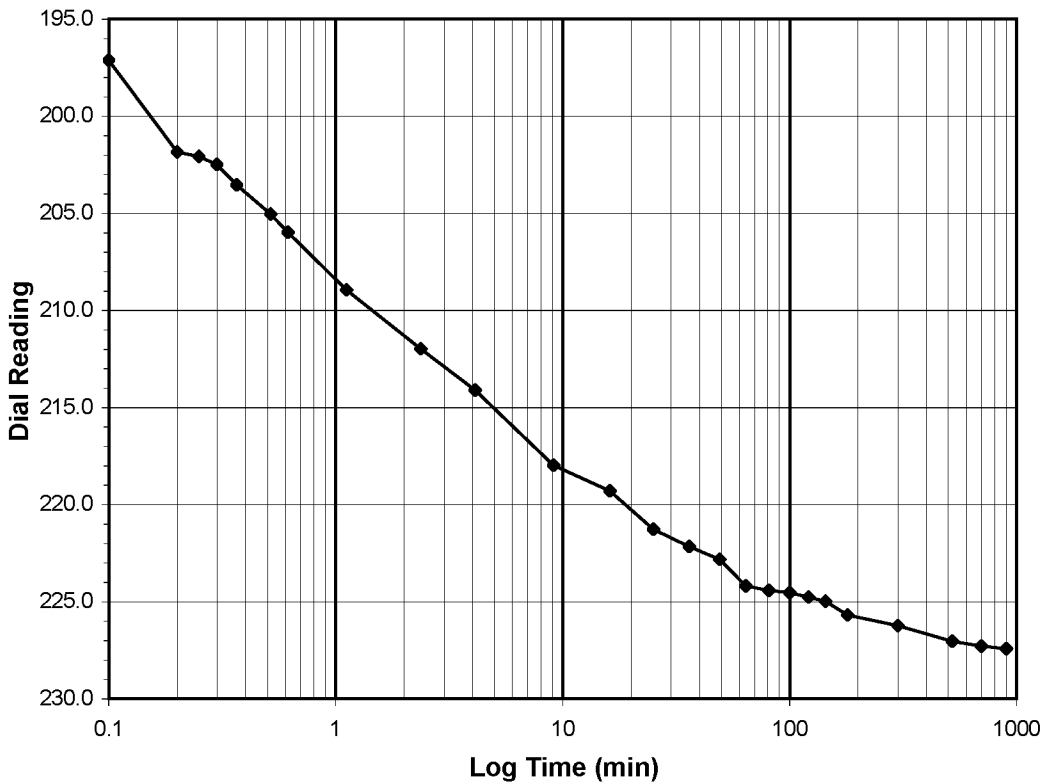
Boring No. R-6-1b
 Depth (ft) 163.4-163.6
 Sample No. ST-5
 Visual Description Gray Silty Sand

Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf)	1.0-2.0
Final Reading (div)	227.4
Consolidometer No.	G1427
1 Division (in)	0.0001
Start Date	12/4/13
Start Time	8:13:24

Elapsed Time (min)	Dial Reading (div)
Initial	164.3
0.10	197.1
0.20	201.8
0.25	202.1
0.30	202.5
0.37	203.5
0.52	205.0
0.62	206.0
1.12	208.9
2.37	212.0
4.12	214.1
9.12	218.0
16.12	219.3
25.12	221.3
36.12	222.2
49.12	222.8
64.12	224.2
81.12	224.4
100.13	224.5
121.13	224.8
144.13	225.0
180.13	225.7
300.13	226.2
520.13	227.0
700.13	227.3
900.23	227.4



Tested By **DB** Date **12/4/13** Checked By **NM** Date **12/16/13**

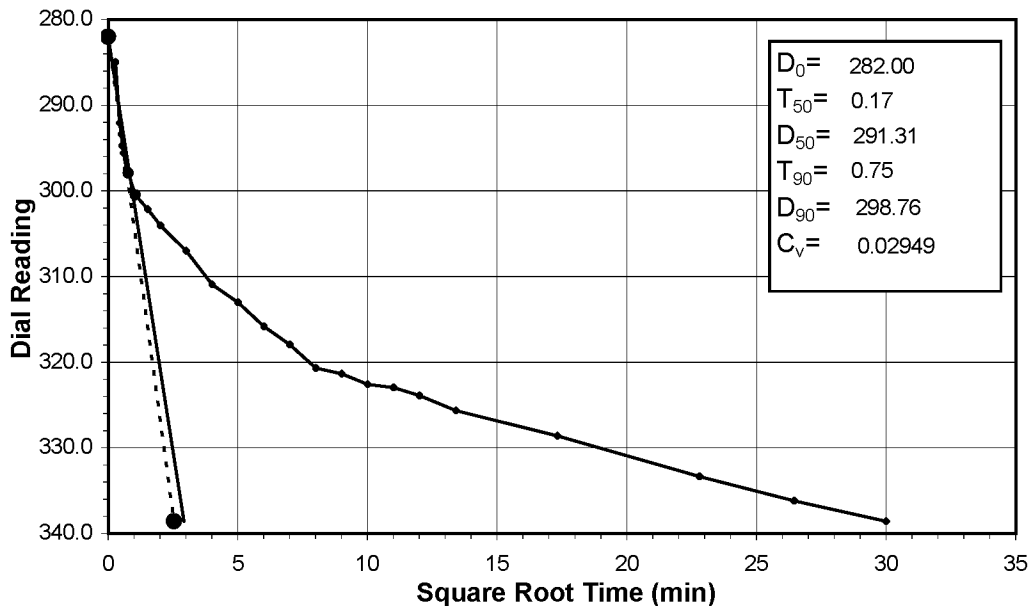
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 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-022

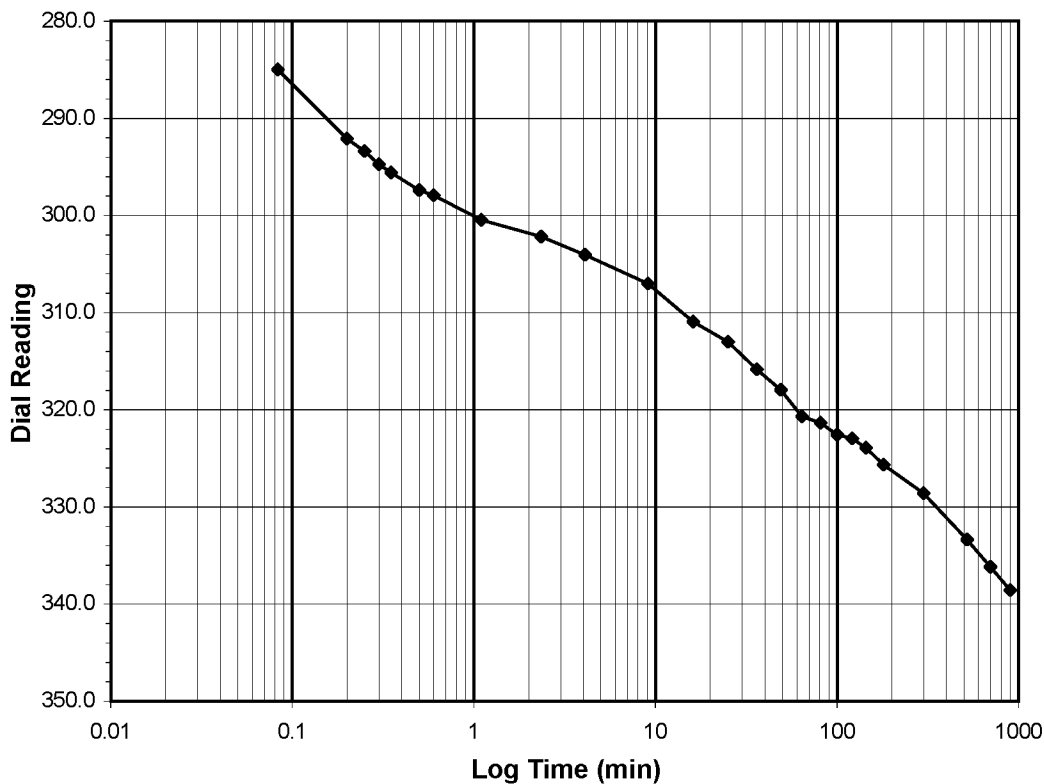
Boring No. R-6-1b
 Depth (ft) 163.4-163.6
 Sample No. ST-5
 Visual Description Gray Silty Sand

Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf)	2.0-4.0
Final Reading (div)	338.6
Consolidometer No.	G1427
1 Division (in)	0.0001
Start Date	12/4/13
Start Time	23:13:38

Elapsed Time (min)	Dial Reading (div)
Initial	227.4
0.08	285.0
0.20	292.1
0.25	293.4
0.30	294.7
0.35	295.6
0.50	297.4
0.60	297.9
1.10	300.5
2.35	302.2
4.10	304.1
9.10	307.0
16.10	310.9
25.10	313.0
36.10	315.8
49.10	317.9
64.10	320.7
81.10	321.4
100.10	322.6
121.10	323.0
144.10	323.9
180.10	325.7
300.10	328.6
520.10	333.4
700.10	336.2
900.32	338.6



Tested By **DB** Date **12/4/13** Checked By **NM** Date **12/16/13**

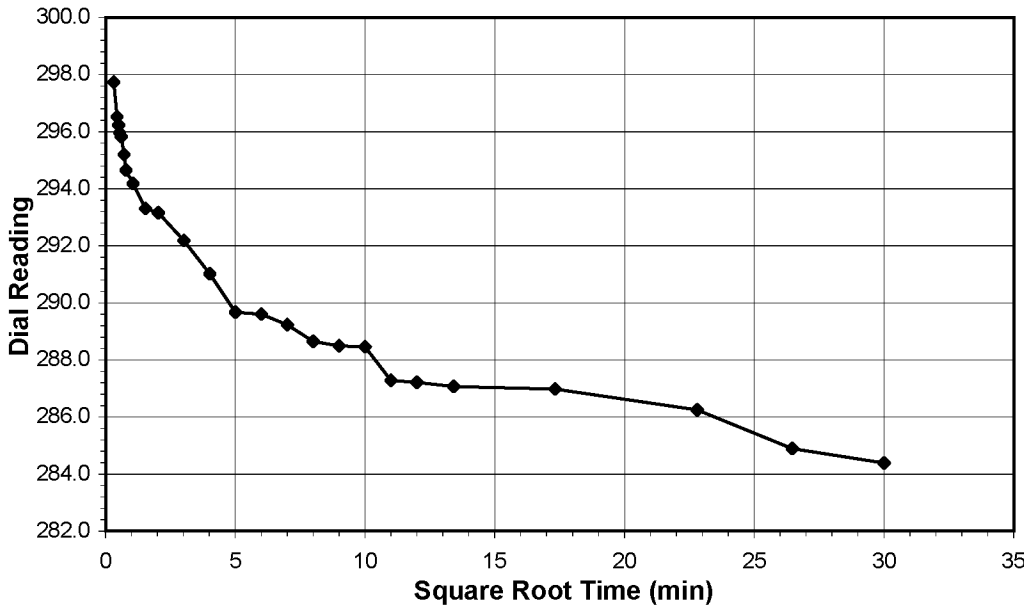
ONE DIMENSIONAL CONSOLIDATION

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Client Paul C. Rizzo & Associates
 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-022

Boring No. R-6-1b
 Depth (ft) 163.4-163.6
 Sample No. ST-5
 Visual Description Gray Silty Sand

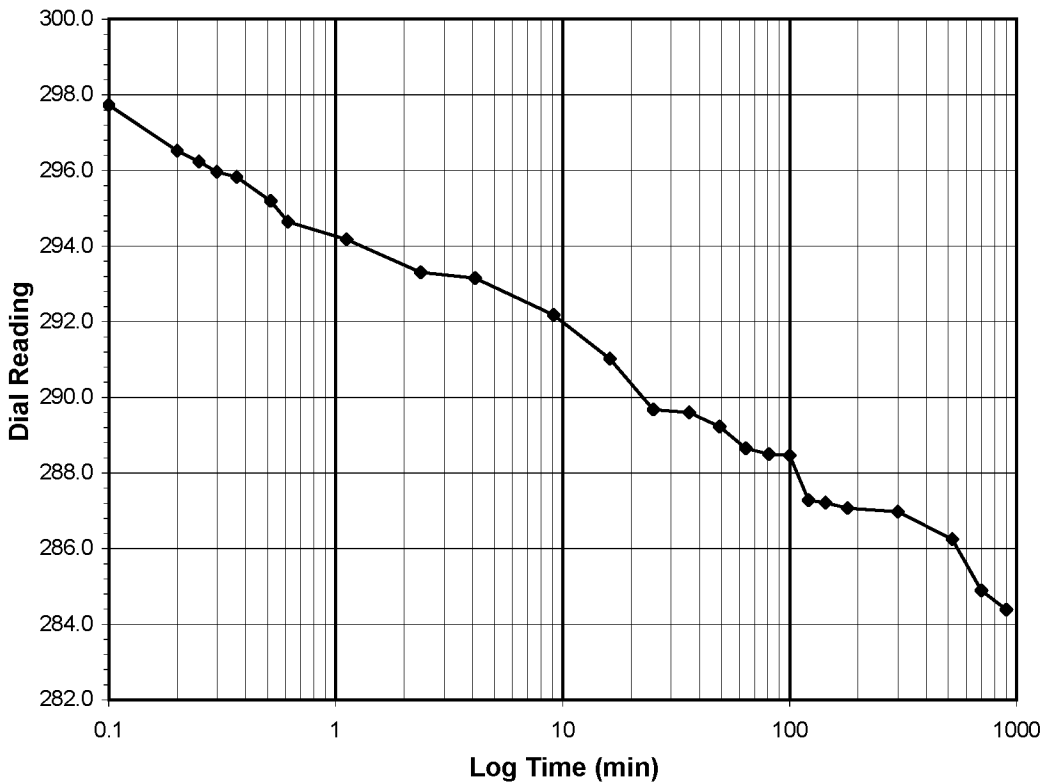
Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf) 4.0-1.0
Final Reading (div) 284.4
 Consolidometer No. G1427
 1 Division (in) 0.0001

Start Date 12/5/13
Start Time 14:13:58

Elapsed Time (min)	Dial Reading (div)
Initial	338.6
0.10	297.7
0.20	296.5
0.25	296.2
0.30	296.0
0.37	295.8
0.52	295.2
0.62	294.6
1.12	294.2
2.37	293.3
4.12	293.2
9.12	292.2
16.12	291.0
25.12	289.7
36.12	289.6
49.12	289.2
64.13	288.6
81.13	288.5
100.13	288.5
121.13	287.3
144.13	287.2
180.13	287.1
300.13	287.0
520.13	286.2
700.13	284.9
900.37	284.4



Tested By DB **Date** 12/5/13 **Checked By** NM **Date** 12/16/13

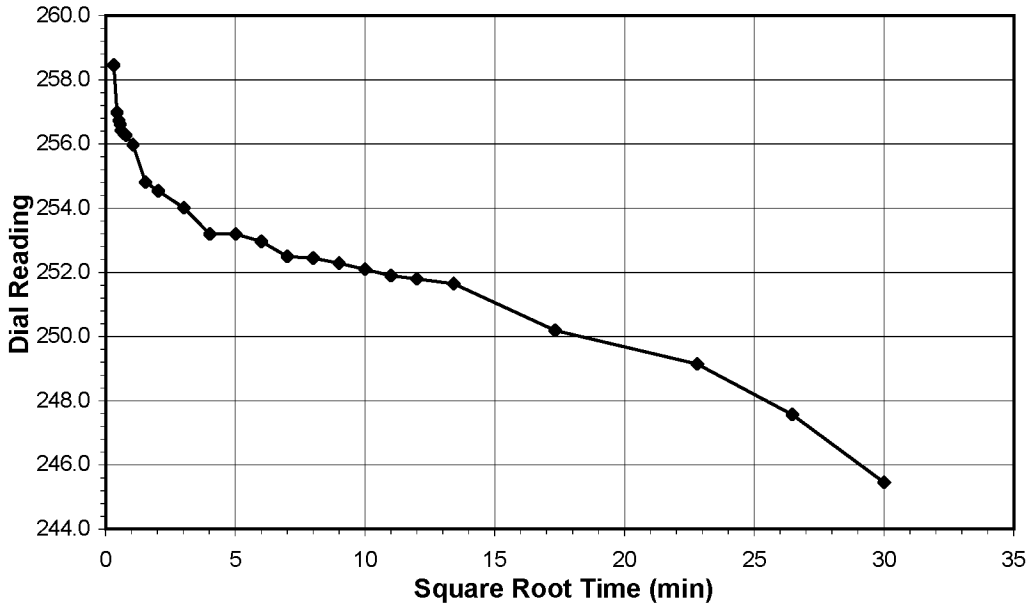
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Client Paul C. Rizzo & Associates
 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-022

Boring No. R-6-1b
 Depth (ft) 163.4-163.6
 Sample No. ST-5
 Visual Description Gray Silty Sand

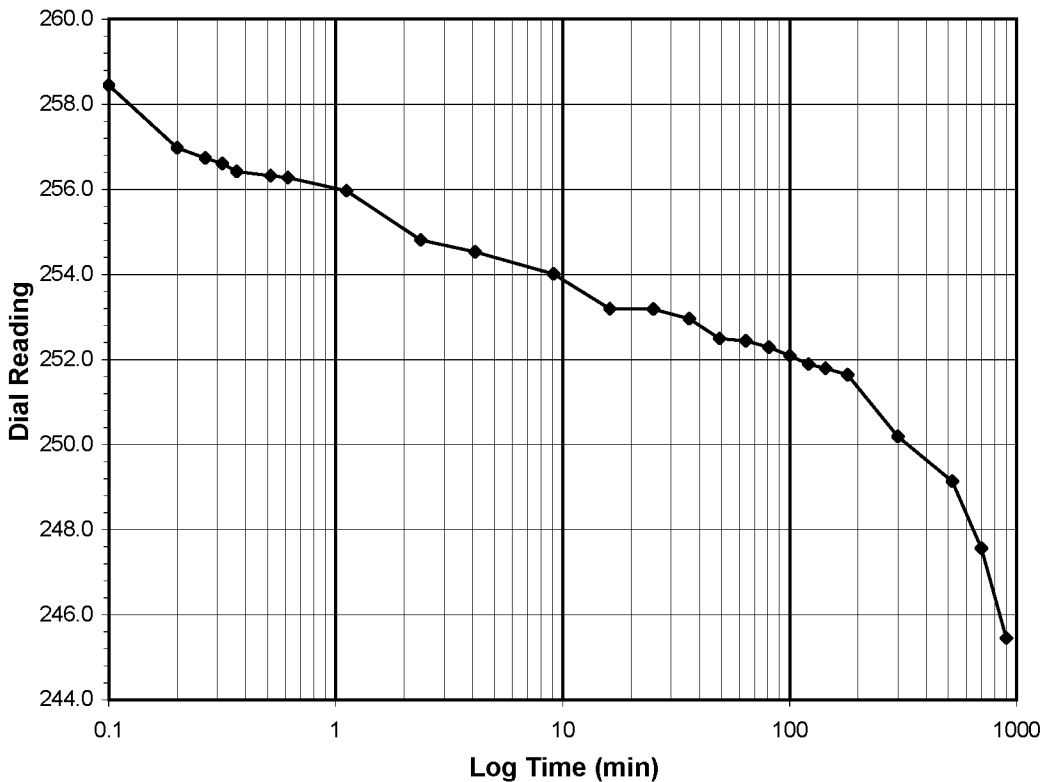
Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf) 1.0-0.25
Final Reading (div) 245.5
 Consolidometer No. G1427
 1 Division (in) 0.0001

Start Date 12/6/13
 Start Time 5:14:20

Elapsed Time (min)	Dial Reading (div)
Initial	284.4
0.10	258.5
0.20	257.0
0.27	256.7
0.32	256.6
0.37	256.4
0.52	256.3
0.62	256.3
1.12	256.0
2.37	254.8
4.12	254.5
9.12	254.0
16.12	253.2
25.13	253.2
36.13	253.0
49.13	252.5
64.13	252.4
81.13	252.3
100.13	252.1
121.13	251.9
144.13	251.8
180.13	251.6
300.13	250.2
520.13	249.1
700.13	247.6
900.28	245.5



Tested By DB Date 12/6/13 Checked By NM Date 12/16/13

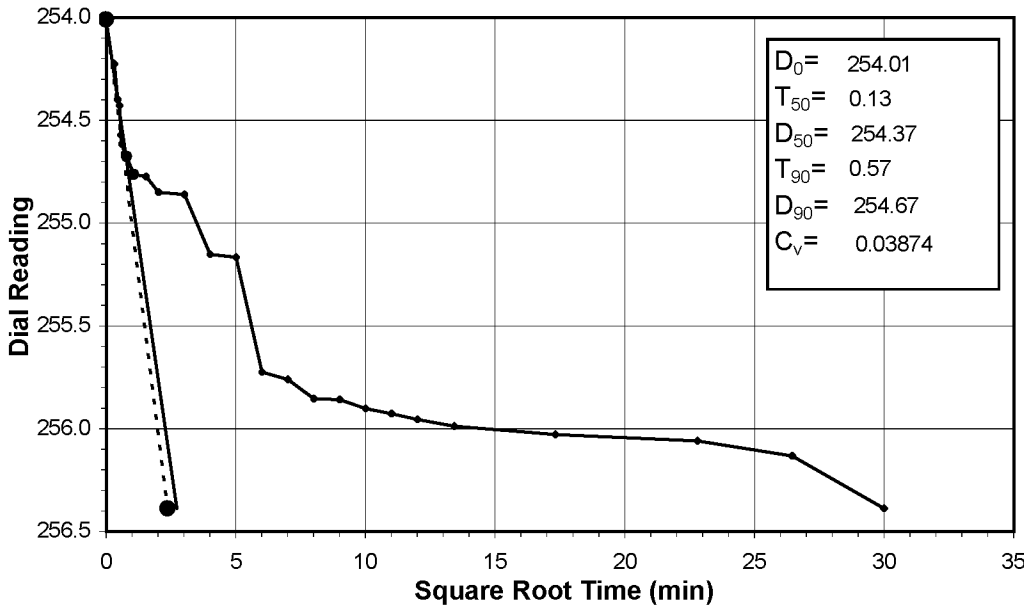
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 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-022

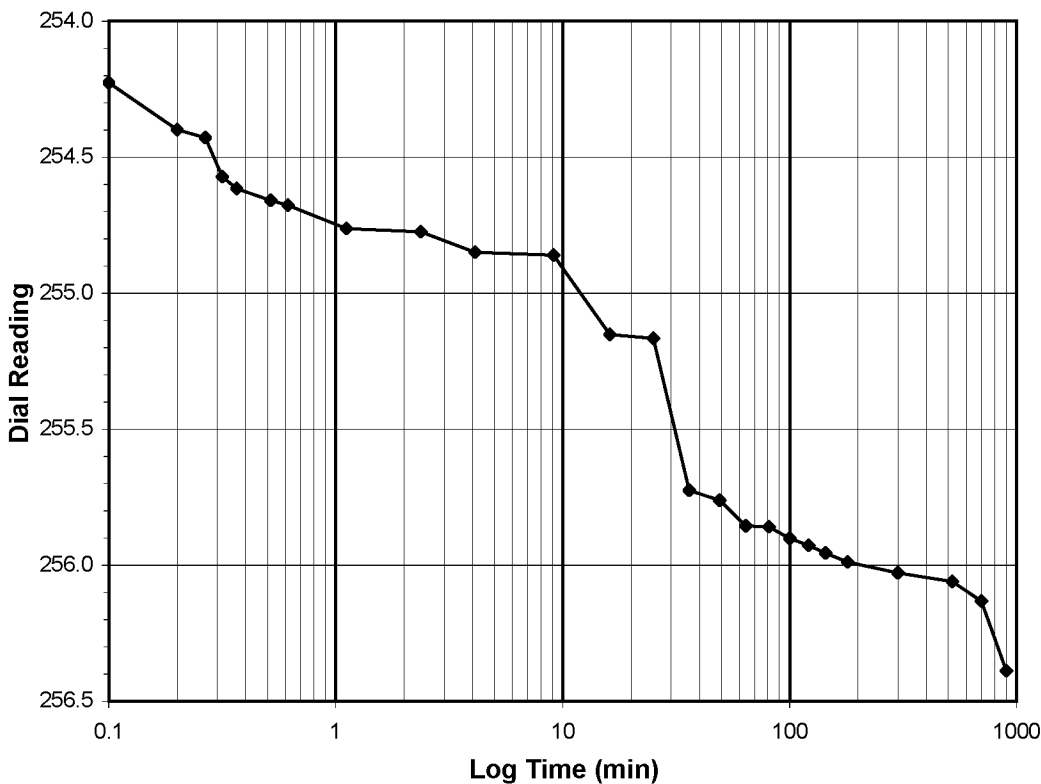
Boring No. R-6-1b
 Depth (ft) 163.4-163.6
 Sample No. ST-5
 Visual Description Gray Silty Sand

Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf)	0.25-0.5
Final Reading (div)	256.4
Consolidometer No.	G1427
1 Division (in)	0.0001
Start Date	12/6/13
Start Time	20:14:37

Elapsed Time (min)	Dial Reading (div)
Initial	245.5
0.10	254.2
0.20	254.4
0.27	254.4
0.32	254.6
0.37	254.6
0.52	254.7
0.62	254.7
1.12	254.8
2.37	254.8
4.12	254.8
9.12	254.9
16.12	255.2
25.12	255.2
36.13	255.7
49.13	255.8
64.13	255.9
81.13	255.9
100.13	255.9
121.13	255.9
144.13	256.0
180.13	256.0
300.13	256.0
520.13	256.1
700.13	256.1
900.10	256.4



Tested By **DB** Date **12/6/13** Checked By **NM** Date **12/16/13**

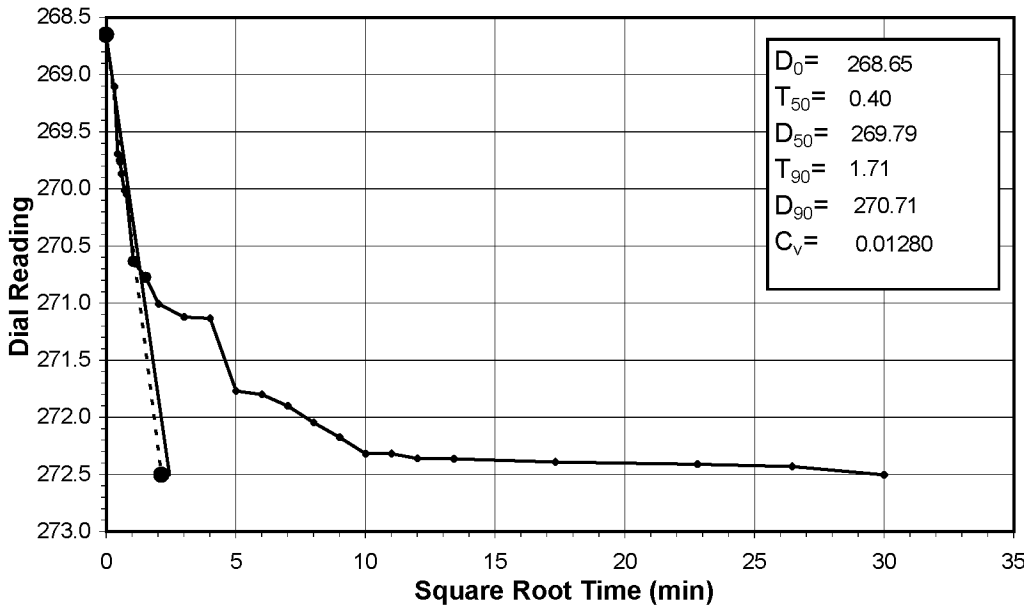
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 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-022

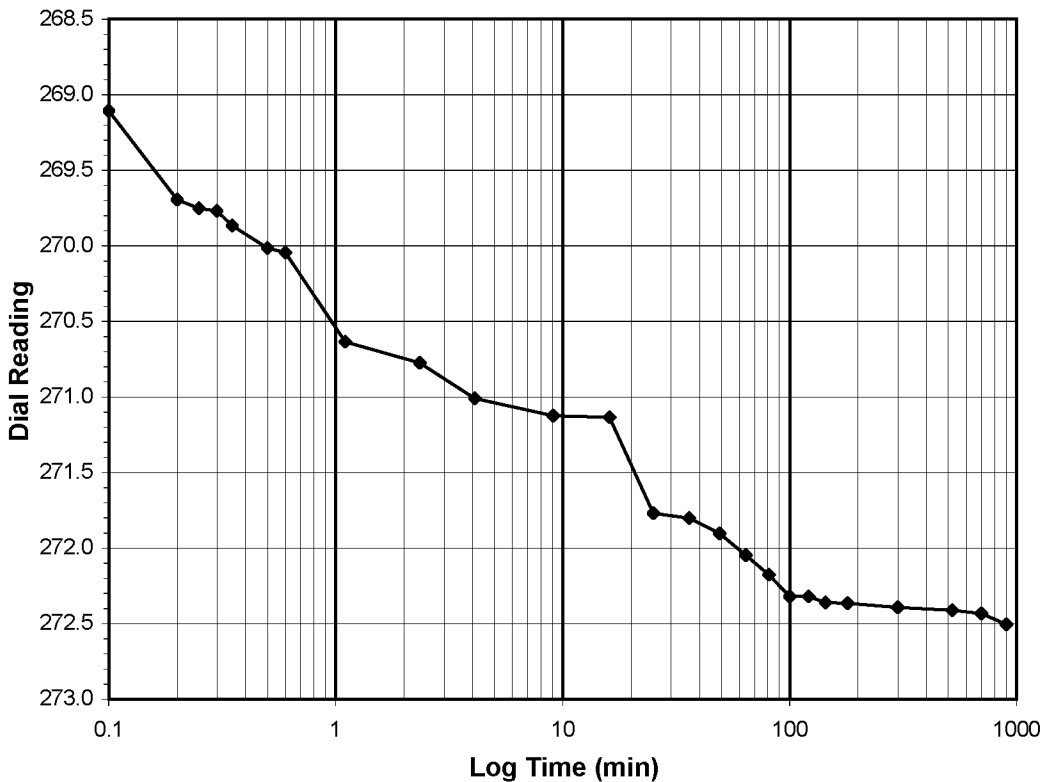
Boring No. R-6-1b
 Depth (ft) 163.4-163.6
 Sample No. ST-5
 Visual Description Gray Silty Sand

Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf)	0.5-1.0
Final Reading (div)	272.5
Consolidometer No.	G1427
1 Division (in)	0.0001
Start Date	12/7/13
Start Time	11:14:44

Elapsed Time (min)	Dial Reading (div)
Initial	256.4
0.10	269.1
0.20	269.7
0.25	269.8
0.30	269.8
0.35	269.9
0.50	270.0
0.60	270.0
1.10	270.6
2.35	270.8
4.10	271.0
9.10	271.1
16.10	271.1
25.10	271.8
36.12	271.8
49.12	271.9
64.12	272.0
81.12	272.2
100.12	272.3
121.12	272.3
144.12	272.4
180.12	272.4
300.12	272.4
520.12	272.4
700.12	272.4
900.13	272.5



Tested By **DB** Date **12/7/13** Checked By **NM** Date **12/16/13**

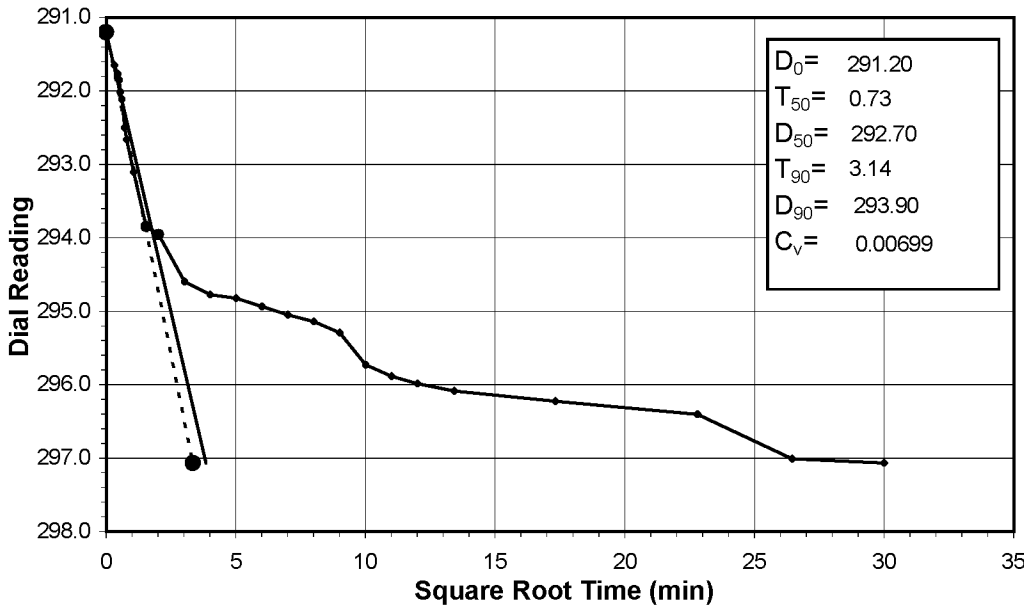
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Client Paul C. Rizzo & Associates
 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-022

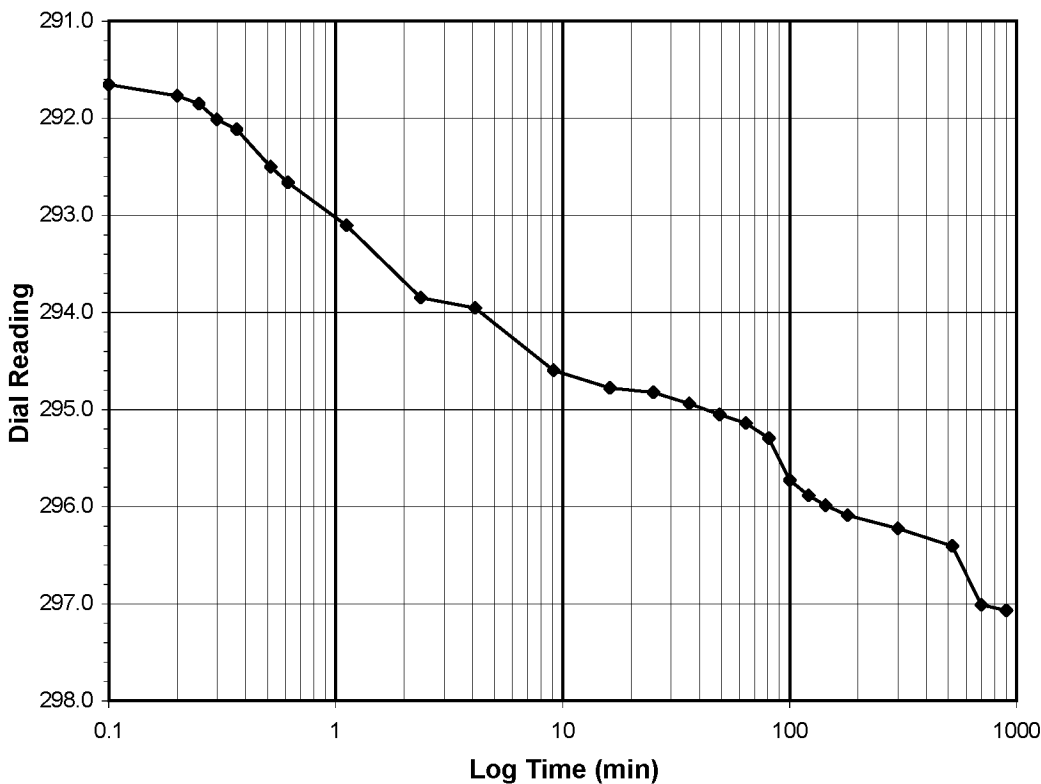
Boring No. R-6-1b
 Depth (ft) 163.4-163.6
 Sample No. ST-5
 Visual Description Gray Silty Sand

Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf)	1.0-2.0
Final Reading (div)	297.1
Consolidometer No.	G1427
1 Division (in)	0.0001
Start Date	12/8/13
Start Time	2:14:52

Elapsed Time (min)	Dial Reading (div)
Initial	272.5
0.10	291.7
0.20	291.8
0.25	291.8
0.30	292.0
0.37	292.1
0.52	292.5
0.62	292.7
1.12	293.1
2.37	293.8
4.12	294.0
9.12	294.6
16.12	294.8
25.12	294.8
36.12	294.9
49.12	295.0
64.12	295.1
81.12	295.3
100.13	295.7
121.13	295.9
144.13	296.0
180.13	296.1
300.13	296.2
520.13	296.4
700.13	297.0
900.02	297.1



Tested By **DB** Date **12/8/13** Checked By **NM** Date **12/16/13**

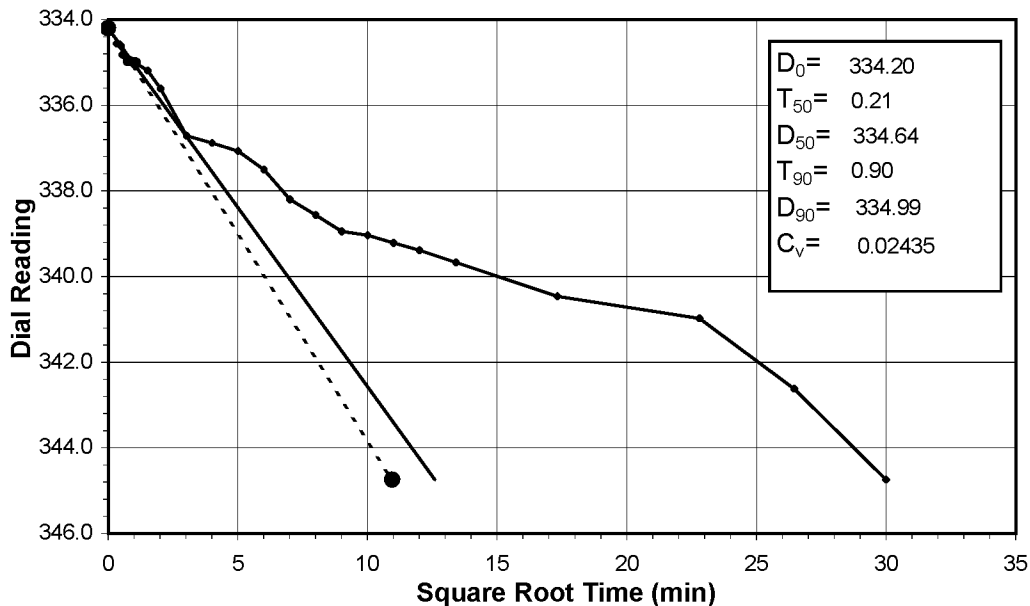
ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates
 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-022

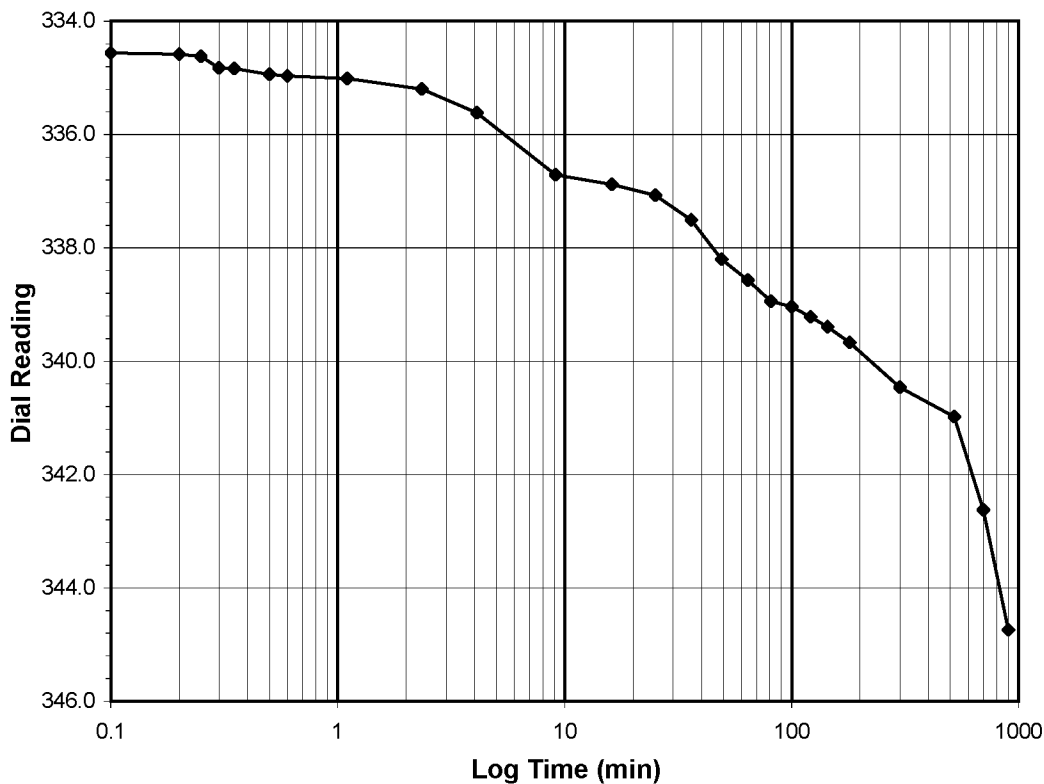
Boring No. R-6-1b
 Depth (ft) 163.4-163.6
 Sample No. ST-5
 Visual Description Gray Silty Sand

Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf)	2.0-4.0
Final Reading (div)	344.7
Consolidometer No.	G1427
1 Division (in)	0.0001
Start Date	12/8/13
Start Time	17:14:53

Elapsed Time (min)	Dial Reading (div)
Initial	297.1
0.10	334.6
0.20	334.6
0.25	334.6
0.30	334.8
0.35	334.8
0.50	334.9
0.60	335.0
1.10	335.0
2.35	335.2
4.10	335.6
9.12	336.7
16.12	336.9
25.12	337.1
36.12	337.5
49.12	338.2
64.12	338.6
81.12	338.9
100.12	339.0
121.12	339.2
144.12	339.4
180.12	339.7
300.12	340.5
520.12	341.0
700.12	342.6
900.35	344.7



Tested By **DB** Date **12/8/13** Checked By **NM** Date **12/16/13**

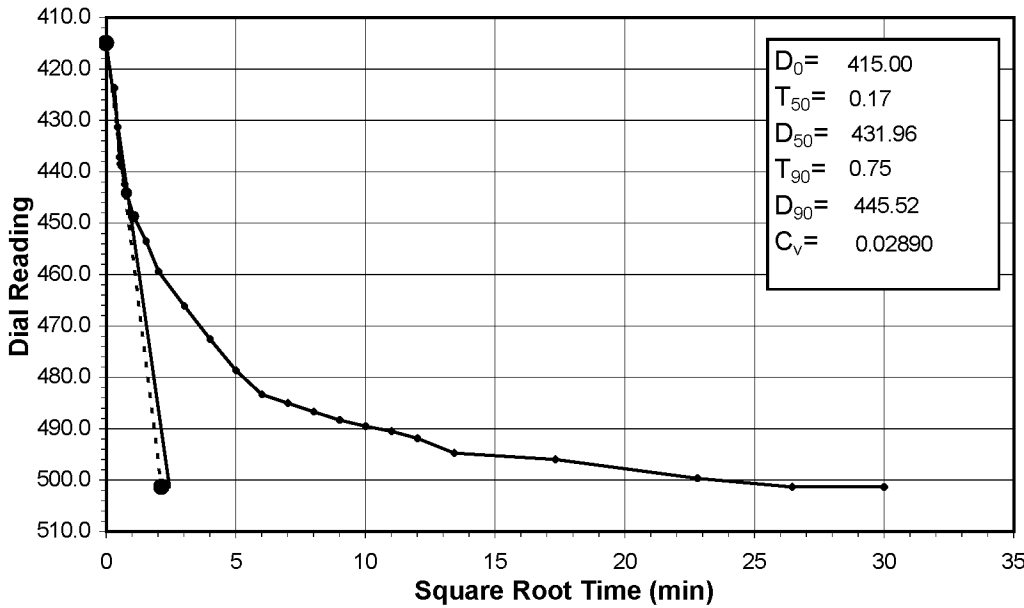
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Client Paul C. Rizzo & Associates
 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-022

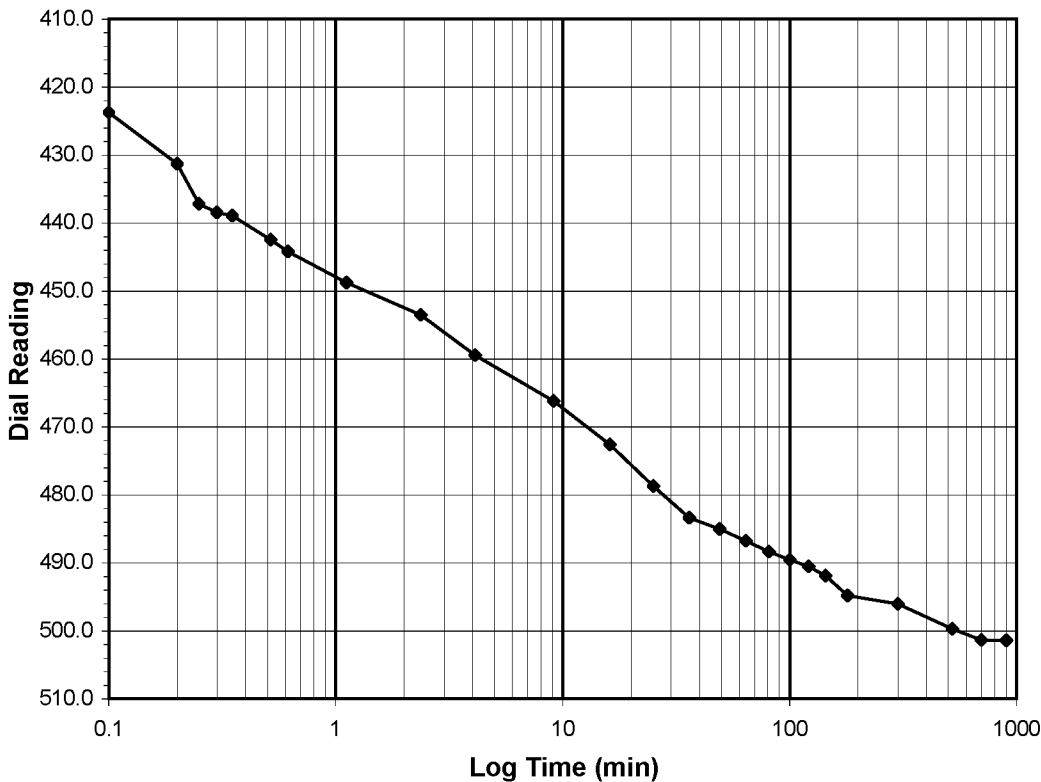
Boring No. R-6-1b
 Depth (ft) 163.4-163.6
 Sample No. ST-5
 Visual Description Gray Silty Sand

Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf)	4.0-8.0
Final Reading (div)	501.4
Consolidometer No.	G1427
1 Division (in)	0.0001
Start Date	12/9/13
Start Time	8:15:14

Elapsed Time (min)	Dial Reading (div)
<i>Initial</i>	344.7
0.10	423.7
0.20	431.3
0.25	437.1
0.30	438.5
0.35	438.9
0.52	442.4
0.62	444.2
1.12	448.7
2.37	453.5
4.12	459.5
9.12	466.2
16.12	472.6
25.12	478.7
36.12	483.4
49.12	485.0
64.12	486.7
81.12	488.3
100.12	489.5
121.12	490.5
144.13	491.9
180.13	494.8
300.13	496.0
520.13	499.7
700.13	501.3
900.35	501.4



Tested By **DB** Date **12/9/13** Checked By **NM** Date **12/16/13**

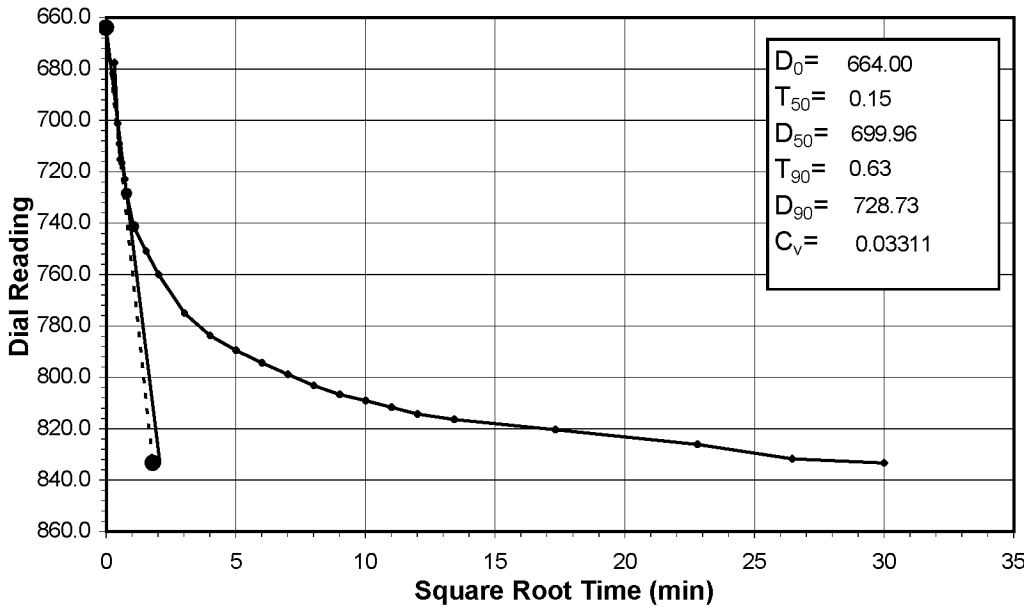
ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates
 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-022

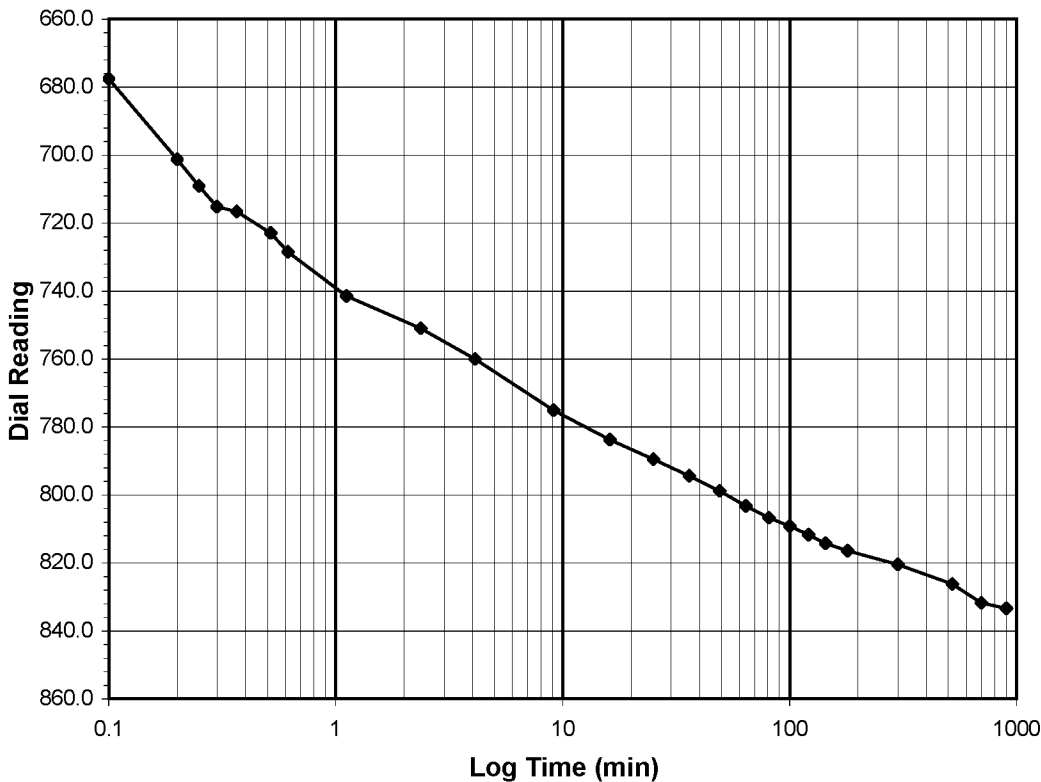
Boring No. R-6-1b
 Depth (ft) 163.4-163.6
 Sample No. ST-5
 Visual Description Gray Silty Sand

Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf)	8.0-16.0
Final Reading (div)	833.4
Consolidometer No.	G1427
1 Division (in)	0.0001
Start Date	12/9/13
Start Time	23:15:35

Elapsed Time (min)	Dial Reading (div)
Initial	501.4
0.10	677.5
0.20	701.3
0.25	709.0
0.30	715.2
0.37	716.6
0.52	722.9
0.62	728.5
1.12	741.4
2.37	751.0
4.12	760.0
9.12	775.0
16.12	783.7
25.12	789.5
36.12	794.4
49.12	798.8
64.12	803.2
81.12	806.7
100.12	809.1
121.12	811.7
144.12	814.3
180.13	816.4
300.13	820.5
520.13	826.2
700.13	831.7
900.25	833.4



Tested By **DB** Date **12/9/13** Checked By **NM** Date **12/16/13**

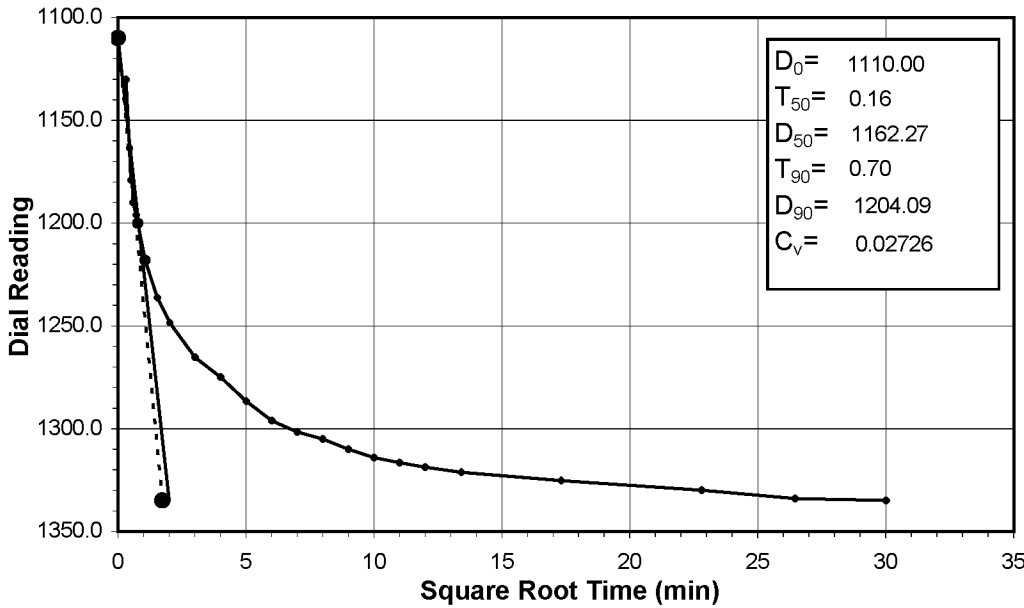
ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates
 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-022

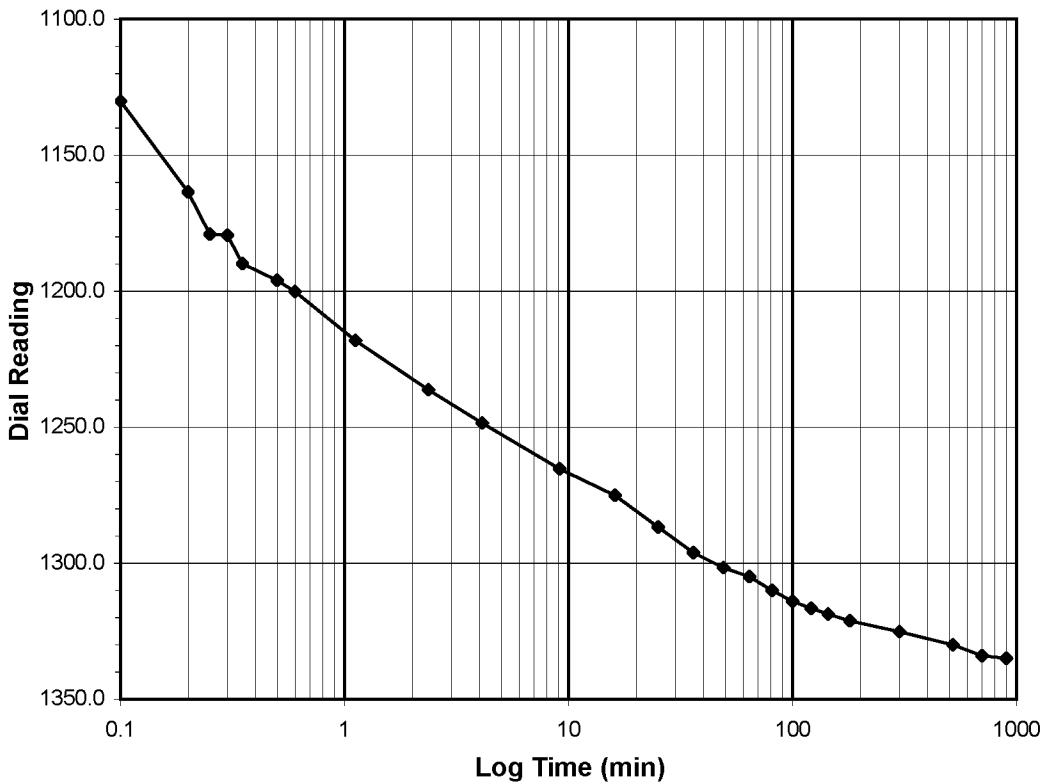
Boring No. R-6-1b
 Depth (ft) 163.4-163.6
 Sample No. ST-5
 Visual Description Gray Silty Sand

Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf)	16.0-32.0
Final Reading (div)	1334.9
Consolidometer No.	G1427
1 Division (in)	0.0001
Start Date	12/10/13
Start Time	14:15:50

Elapsed Time (min)	Dial Reading (div)
Initial	833.4
0.10	1130.2
0.20	1163.6
0.25	1179.1
0.30	1179.5
0.35	1189.9
0.50	1196.0
0.60	1200.1
1.12	1218.1
2.37	1236.2
4.12	1248.5
9.12	1265.3
16.12	1275.0
25.12	1286.7
36.12	1296.2
49.12	1301.6
64.12	1305.0
81.12	1310.0
100.12	1314.0
121.12	1316.6
144.12	1318.7
180.13	1321.2
300.13	1325.2
520.13	1330.0
700.13	1334.0
900.37	1334.9



Tested By **DB** Date **12/10/13** Checked By **NM** Date **12/16/13**

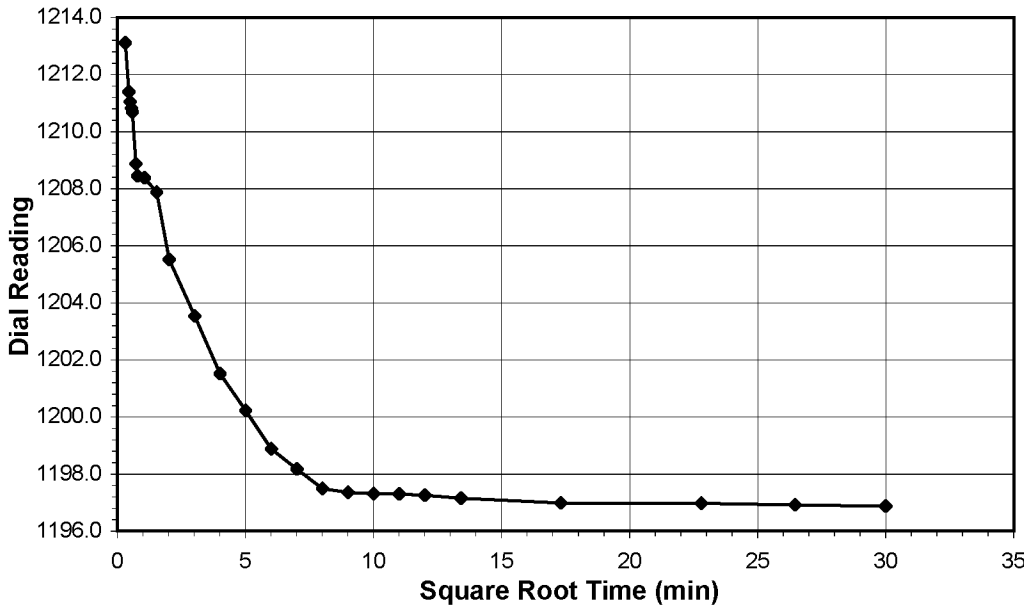
ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates
 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-022

Boring No. R-6-1b
 Depth (ft) 163.4-163.6
 Sample No. ST-5
 Visual Description Gray Silty Sand

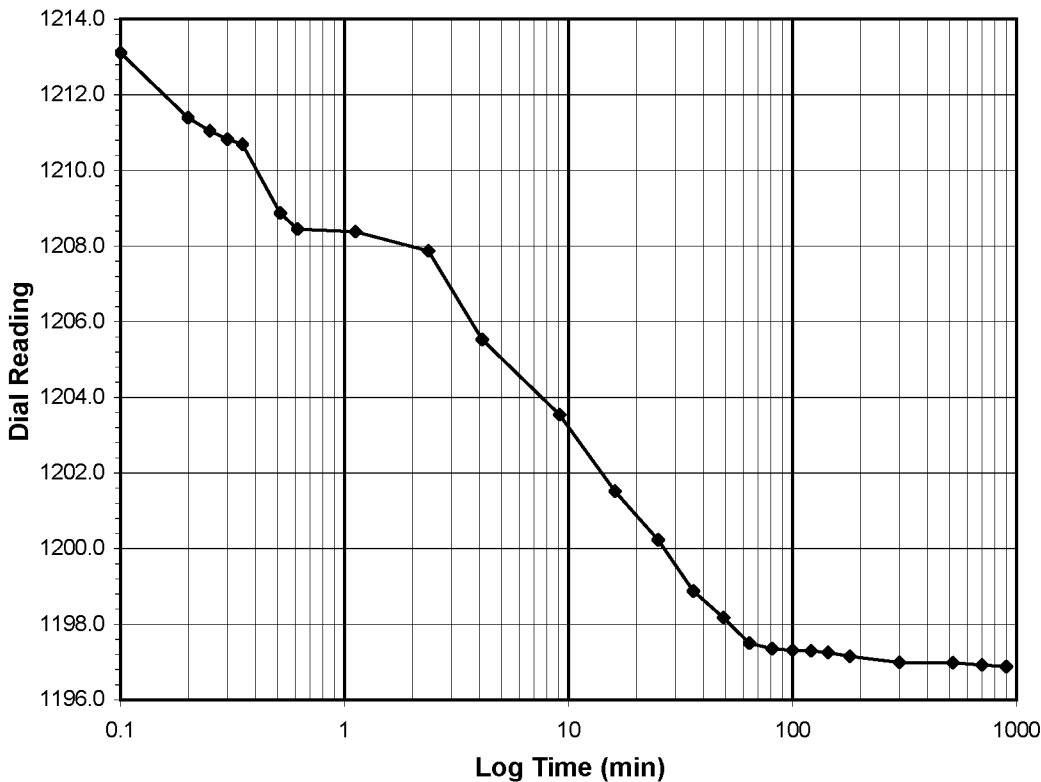
Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf) 32.0-8.0
Final Reading (div) 1196.9
 Consolidometer No. G1427
 1 Division (in) 0.0001

Start Date 12/11/13
 Start Time 5:16:12

Elapsed Time (min)	Dial Reading (div)
Initial	1334.9
0.10	1213.1
0.20	1211.4
0.25	1211.0
0.30	1210.8
0.35	1210.7
0.52	1208.9
0.62	1208.4
1.12	1208.4
2.37	1207.9
4.12	1205.5
9.12	1203.5
16.12	1201.5
25.12	1200.2
36.12	1198.9
49.12	1198.2
64.12	1197.5
81.13	1197.4
100.13	1197.3
121.13	1197.3
144.13	1197.3
180.13	1197.2
300.13	1197.0
520.13	1197.0
700.13	1196.9
900.47	1196.9



Tested By DB Date 12/11/13 Checked By NM Date 12/16/13

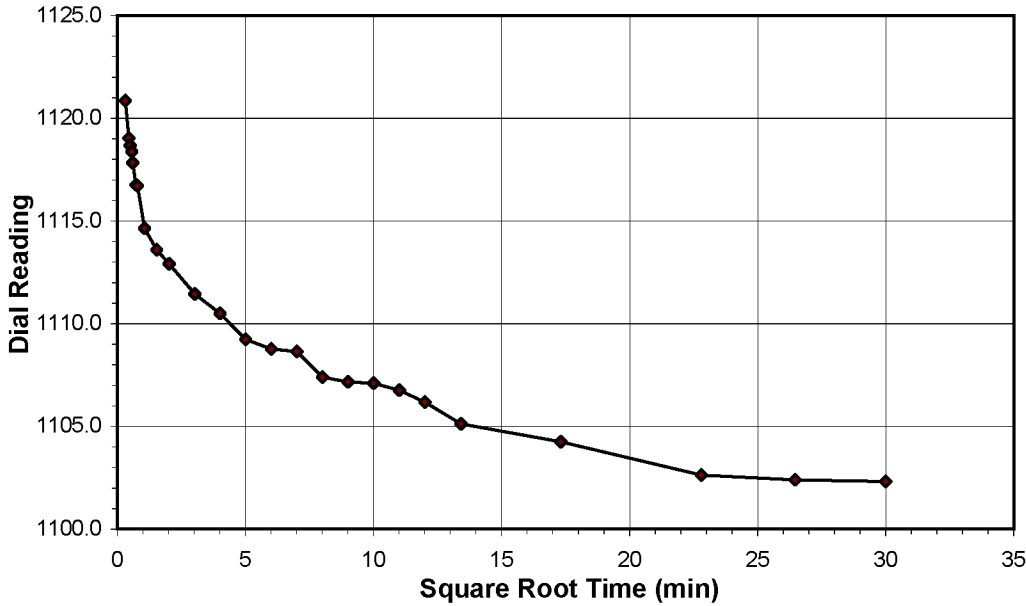
ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates
 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-022

Boring No. R-6-1b
 Depth (ft) 163.4-163.6
 Sample No. ST-5
 Visual Description Gray Silty Sand

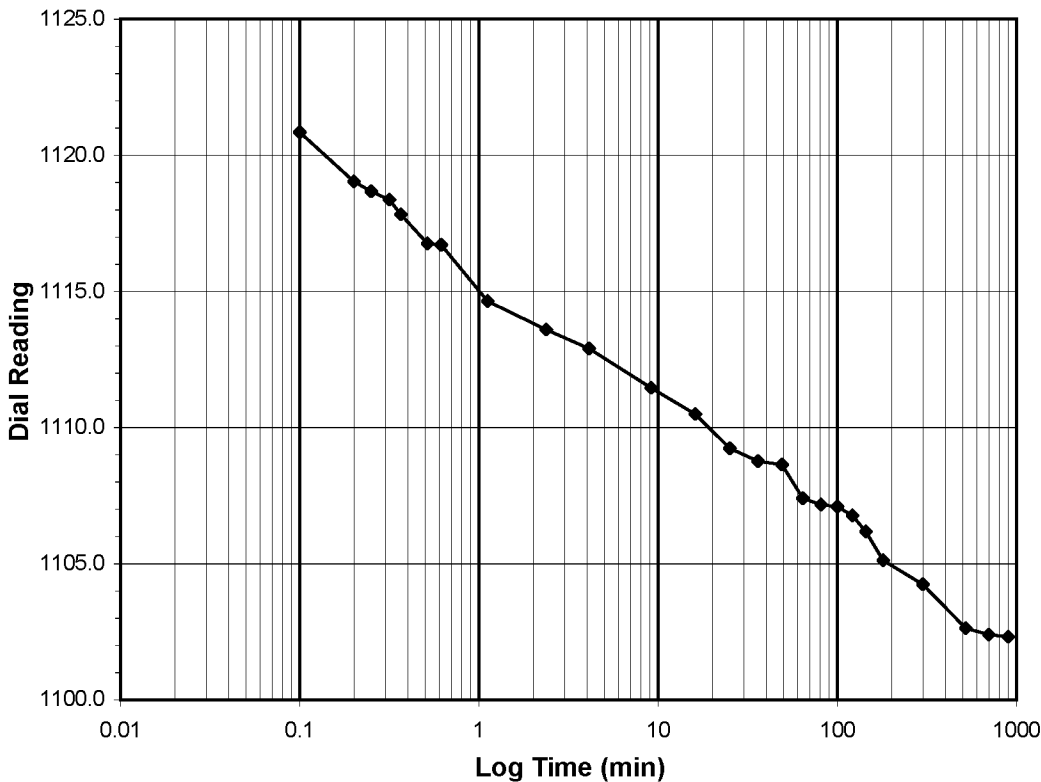
Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf) 8.0-2.0
Final Reading (div) 1102.3
 Consolidometer No. G1427
 1 Division (in) 0.0001

Start Date 12/11/13
Start Time 20:16:40

Elapsed Time (min)	Dial Reading (div)
<i>Initial</i>	1196.9
0.10	1120.9
0.20	1119.0
0.25	1118.7
0.32	1118.4
0.37	1117.8
0.52	1116.8
0.62	1116.7
1.12	1114.6
2.37	1113.6
4.12	1112.9
9.12	1111.5
16.12	1110.5
25.12	1109.2
36.13	1108.8
49.13	1108.6
64.13	1107.4
81.13	1107.2
100.13	1107.1
121.13	1106.8
144.13	1106.2
180.13	1105.1
300.13	1104.2
520.13	1102.6
700.13	1102.4
900.15	1102.3



Tested By DB Date 12/11/13 Checked By NM Date 12/16/13

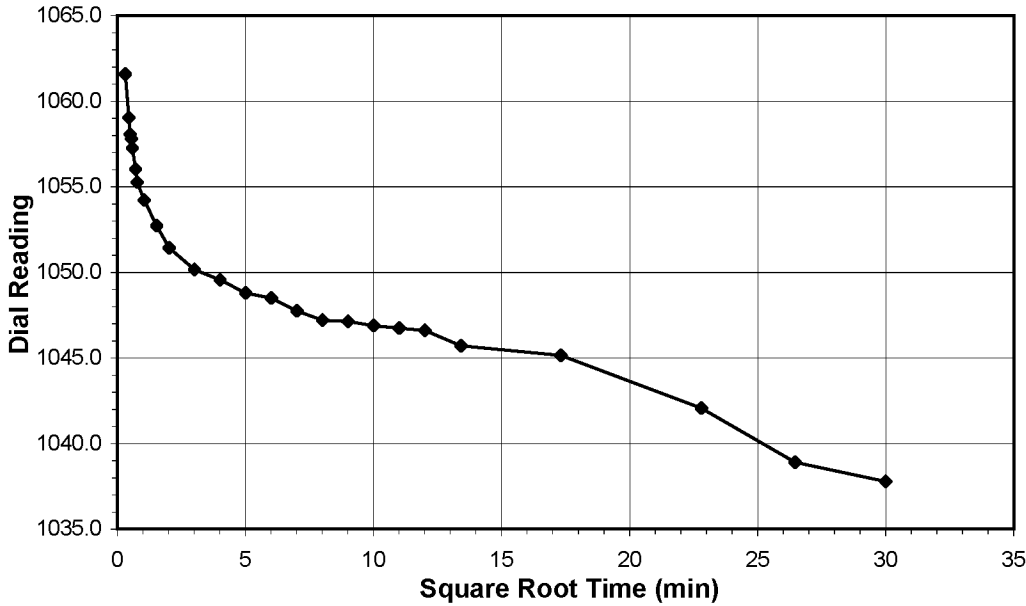
ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates
 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-022

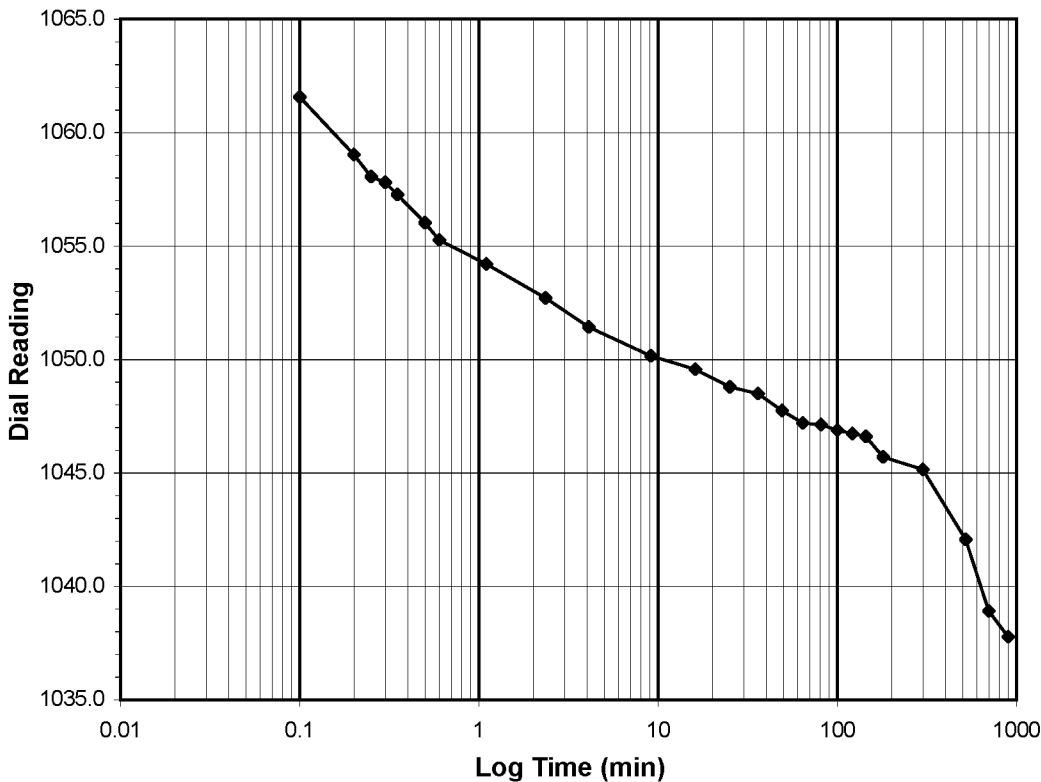
Boring No. R-6-1b
 Depth (ft) 163.4-163.6
 Sample No. ST-5
 Visual Description Gray Silty Sand

Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf)	2.0-0.5
Final Reading (div)	1037.8
Consolidometer No.	G1427
1 Division (in)	0.0001
Start Date	12/12/13
Start Time	11:16:49

Elapsed Time (min)	Dial Reading (div)
Initial	1102.3
0.10	1061.6
0.20	1059.0
0.25	1058.1
0.30	1057.8
0.35	1057.3
0.50	1056.0
0.60	1055.3
1.10	1054.2
2.35	1052.7
4.10	1051.4
9.10	1050.2
16.10	1049.6
25.10	1048.8
36.10	1048.5
49.10	1047.8
64.10	1047.2
81.10	1047.1
100.10	1046.9
121.10	1046.7
144.10	1046.6
180.10	1045.7
300.10	1045.2
520.10	1042.1
700.10	1038.9
900.10	1037.8



Tested By **DB** Date **12/12/13** Checked By **NM** Date **12/16/13**

ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client	Paul C. Rizzo & Associates	Boring No.	R-6-1b
Client Reference	Turkey Point Units 6 & 7 Site	Depth (ft)	163.4-163.6
Project No.	2013-465-001	Sample No.	ST-5
Lab ID	2013-465-001-022	Visual Description	Gray Silty Sand

Sample Conditions: Undisturbed, Inundated And Double Drained**Consolidometer No.** G1427**1 Division** = 0.0001 (in)

<u>Sample Properties</u>	<u>Initial</u>	<u>Final</u>	<u>Test Data Summary</u>							
			<u>Applied Pressure</u>	<u>Final Dial Reading</u>	<u>Machine Deflection</u>	<u>Corrected Reading</u>	<u>Height of Sample</u>	<u>Volume</u>	<u>Dry Density</u>	<u>Void Ratio</u>
			(tsf)	(div)	(div)	(div)	(mm)	(cm ³)	(g/cm ³)	
<i>Water Content</i>										
Tare Number	2730	2713								
Wt. Tare & WS (g)	149.29	150.32								
Wt. Tare & DS (g)	113.59	118.71								
Wt. Water (g)	35.70	31.61	Seating	0	0	0	25.400	80.440	1.39933	0.90091
Wt. Tare (g)	6.71	6.77	0.25	77.2	23.9	53.3	25.265	80.011	1.40683	0.89078
Wt. DS (g)	106.88	111.94	0.5	116.1	40.1	76.0	25.207	79.828	1.41005	0.88646
Water Content (%)	33.40	28.24	1	164.3	62.7	101.6	25.142	79.623	1.41369	0.88160
			2	227.4	95.7	131.7	25.066	79.381	1.41801	0.87587
			4	338.6	128.7	209.9	24.867	78.751	1.42933	0.86101
<u>Sample Parameters</u>			1	284.4	87.7	196.7	24.900	78.857	1.42742	0.86351
Sample Diameter (in)	2.5	2.5	0.25	245.5	53.7	191.7	24.913	78.898	1.42668	0.86446
Sample Height (in)	1.0000	0.9071	0.5	256.4	64.2	192.1	24.912	78.894	1.42675	0.86438
Sample Volume (cm ³)	80.44	72.96	1	272.5	76.5	196.0	24.902	78.863	1.42731	0.86365
Wt. Wet Sample + Ring (g)	364.81	359.00	2	297.1	100.1	197.0	24.900	78.855	1.42745	0.86346
Wt. of Ring (g)	214.65	214.65	4	344.7	126.6	218.1	24.846	78.685	1.43054	0.85944
Wt. of Wet Sample (g)	150.16	144.35	8	501.4	178.9	322.5	24.581	77.846	1.44596	0.83961
Wet Density (pcf)	116.48	123.45	16	833.4	232.8	600.6	23.875	75.609	1.48874	0.78674
Wet Density (g/cm ³)	1.87	1.98	32	1334.9	317.3	1017.5	22.815	72.255	1.55785	0.70748
Water Content (%)	33.40	28.24	8	1196.9	217.5	979.4	22.912	72.562	1.55126	0.71473
Wt. of Dry Sample (g)	112.56	112.56	2	1102.3	157.0	945.3	22.999	72.836	1.54542	0.72121
Dry Density (pcf)	87.32	96.27	0.5	1037.8	108.4	929.4	23.039	72.964	1.54271	0.72424
Dry Density (g/cm ³)	1.40	1.54								
Void Ratio	0.9009	0.7242								
Saturation (%)	98.62	100.00								
Specific Gravity	2.66	Measured								
			<u>Tested By</u>	<u>Date</u>	<u>Input Checked By</u>	<u>Date</u>				
			DB	12/2/13	NM	12/16/13				

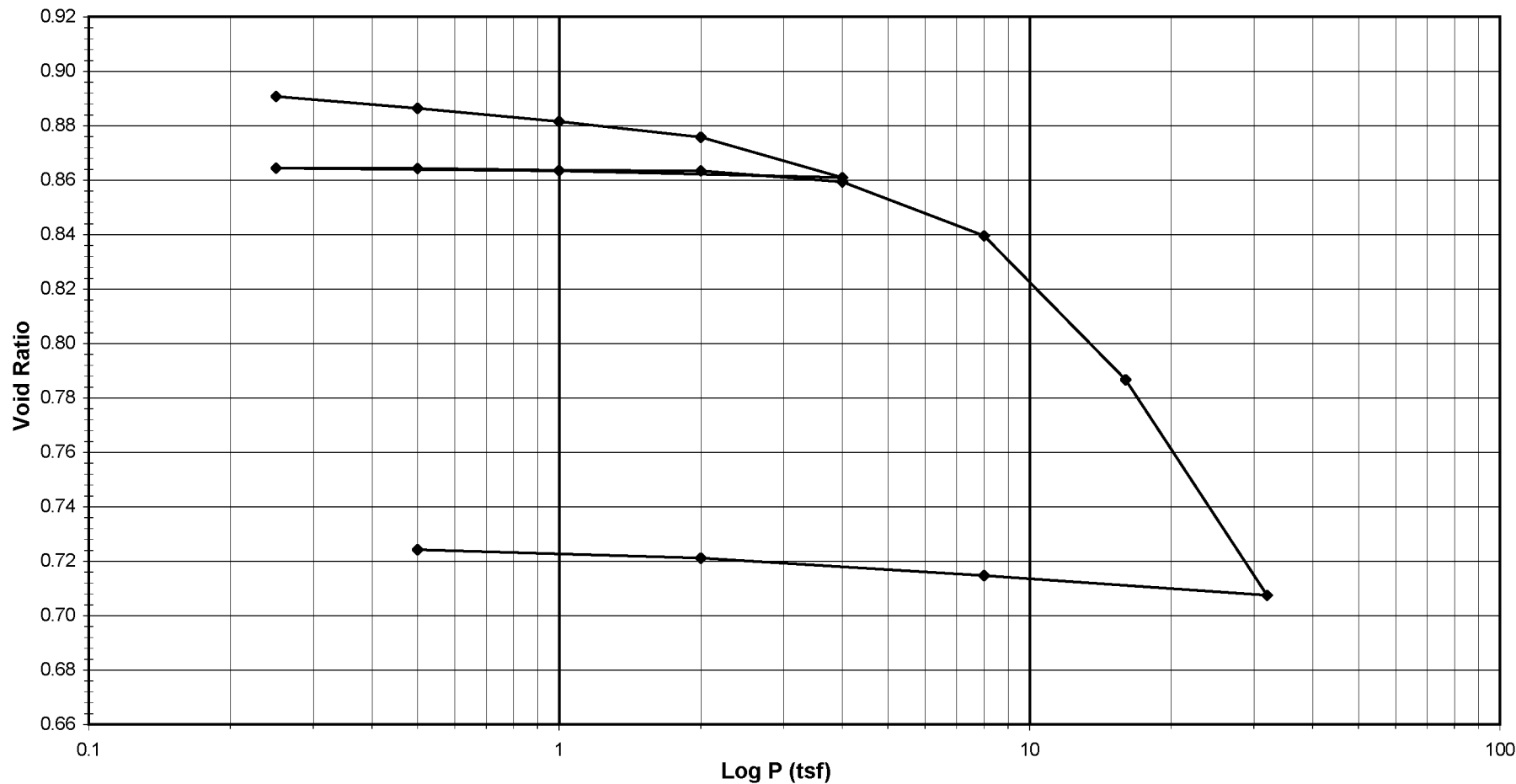
ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates
 Client Reference Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-022

Boring No. R-6-1b
 Depth (ft) 163.4-163.6
 Sample No. ST-5
 Visual Description Gray Silty Sand

Sample Conditions: Undisturbed, Inundated And Double Drained



Tested By DB Date 12/2/13

Approved By RJO Date 12/16/13

ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client	Paul C. Rizzo & Associates	Boring No.	R-6-1b
Client Reference	Turkey Point Units 6 & 7 Site	Depth (ft)	163.4-163.6
Project No.	2013-465-001	Sample No.	ST-5
Lab ID	2013-465-001-022	Visual Description	Gray Silty Sand

Sample Conditions: Undisturbed, Inundated And Double Drained**Consolidometer No.** G1427**1 Division** = 0.0001 (in)**C_v Test Data Summary**

<u>Sample Properties</u>	<u>Initial</u>	<u>Final</u>							
			<u>Load</u>	<u>Dial</u>	<u>Machine</u>	<u>Corrected</u>	<u>Sample</u>	<u>Time</u>	<u>C_v</u>
			<u>Increment</u>	<u>Reading</u>	<u>Deflection</u>	<u>Dial Reading</u>	<u>Height</u>	<u>t₅₀</u>	
			(tsf)	@ t ₅₀ (div)	(div)	@ t ₅₀ (div)	@ t ₅₀ (mm)	(min)	(cm ² /sec)
<i>Water Content</i>									
Tare Number	2730	2713							
Wt. Tare & WS (g)	149.29	150.32							
Wt. Tare & DS (g)	113.59	118.71							
Wt. Water (g)	35.7	31.61	Seating	NA	NA	NA	NA	NA	NA
Wt. Tare (g)	6.71	6.77	0.25	56.9	23.9	33.0	25.32	0.17	0.03032
Wt. DS (g)	106.88	111.94	0.5	99.5	40.1	59.4	25.25	0.12	0.04374
Water Content (%)	33.40	28.24	1	149.0	62.7	86.3	25.18	0.18	0.02847
			2	204.9	95.7	109.2	25.12	0.63	0.00820
			4	291.3	128.7	162.6	24.99	0.17	0.02949
<i>Sample Parameters</i>			1	NA	NA	NA	NA	NA	NA
Sample Diameter (in)	2.5	2.5	0.25	NA	NA	NA	NA	NA	NA
Sample Height (in)	1.0000	0.9071	0.5	254.4	64.2	190.1	24.92	0.13	0.03874
Sample Volume (cm ³)	80.44	72.96	1	269.8	76.5	193.3	24.91	0.40	0.01280
Wt. Wet Sample + Ring (g)	364.81	359.00	2	292.7	100.1	192.6	24.91	0.73	0.00699
Wt. of Ring (g)	214.65	214.65	4	334.6	126.6	208.0	24.87	0.21	0.02435
Wt. of Wet Sample (g)	150.16	144.35	8	432.0	178.9	253.0	24.76	0.17	0.02890
Wet Density (pcf)	116.48	123.45	16	700.0	232.8	467.2	24.21	0.15	0.03311
Wet Density (g/cm ³)	1.87	1.98	32	1162.3	317.3	844.9	23.25	0.16	0.02726
Water Content (%)	33.40	28.24	8	NA	NA	NA	NA	NA	NA
Wt. of Dry Sample (g)	112.56	112.56	2	NA	NA	NA	NA	NA	NA
Dry Density (pcf)	87.32	96.27	0.5	NA	NA	NA	NA	NA	NA
Dry Density (g/cm ³)	1.40	1.54							
Void Ratio	0.9009	0.7242							
Saturation (%)	98.62	100.00							
Specific Gravity	2.66	Measured							

<i>Tested By</i>	DB	<i>Date</i>	12/2/13	<i>Input Checked By</i>	NM	<i>Date</i>	12/16/13
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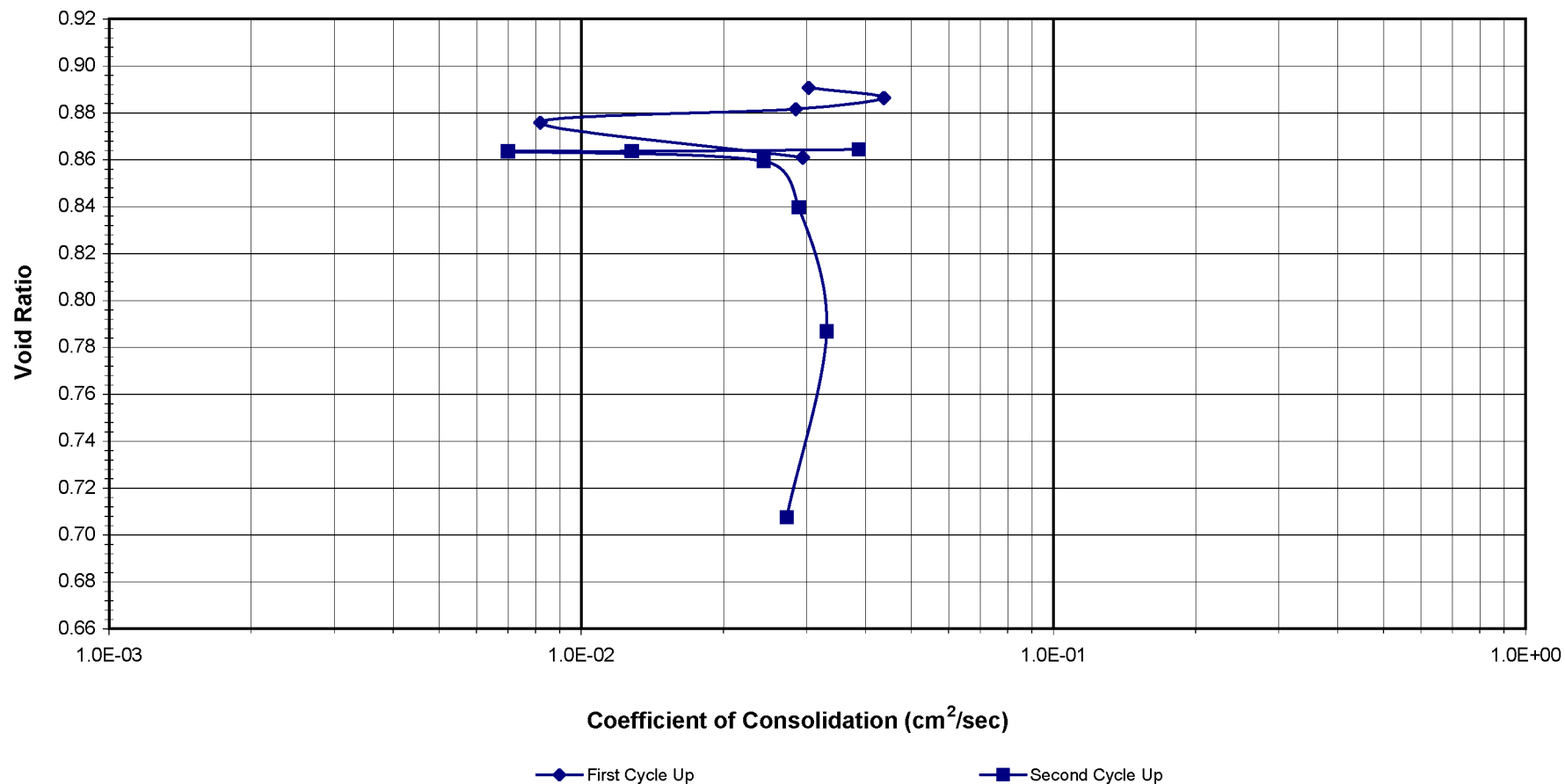
ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates
 Client Reference Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-022

Boring No. R-6-1b
 Depth (ft) 163.4-163.6
 Sample No. ST-5
 Visual Description Gray Silty Sand

Sample Conditions: Undisturbed, Inundated And Double Drained



Tested By DB Date 12/2/13

Approved By RJO Date 12/16/13

One Dimensional Consolidation

ASTM D2435 / D2435M-11

EQUIPMENT LIST

Client	Paul C. Rizzo & Associates	Boring No.	R-6-1b
Client Reference	Turkey Point Units 6 & 7 Site	Depth (ft)	163.4-163.6
Project No.	2013-465-001	Sample No.	ST-5
Lab ID #	2013-465-001-022		

Equipment	Equipment ID#	Calibration Due Date
Calipers	G1122	12/3/13
Balance	G1394	5/15/14
Oven	G1387	8/16/14
Consolidometer	G1427	1/9/14
Load Cell	G1428	1/9/14
LVDT	G1429	1/9/14

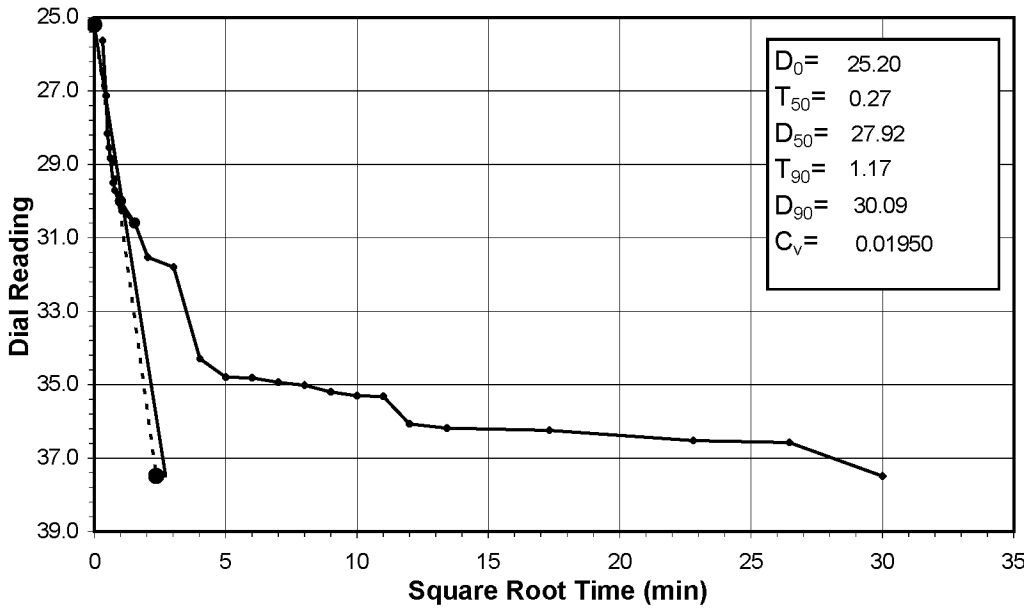
ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates
 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-023

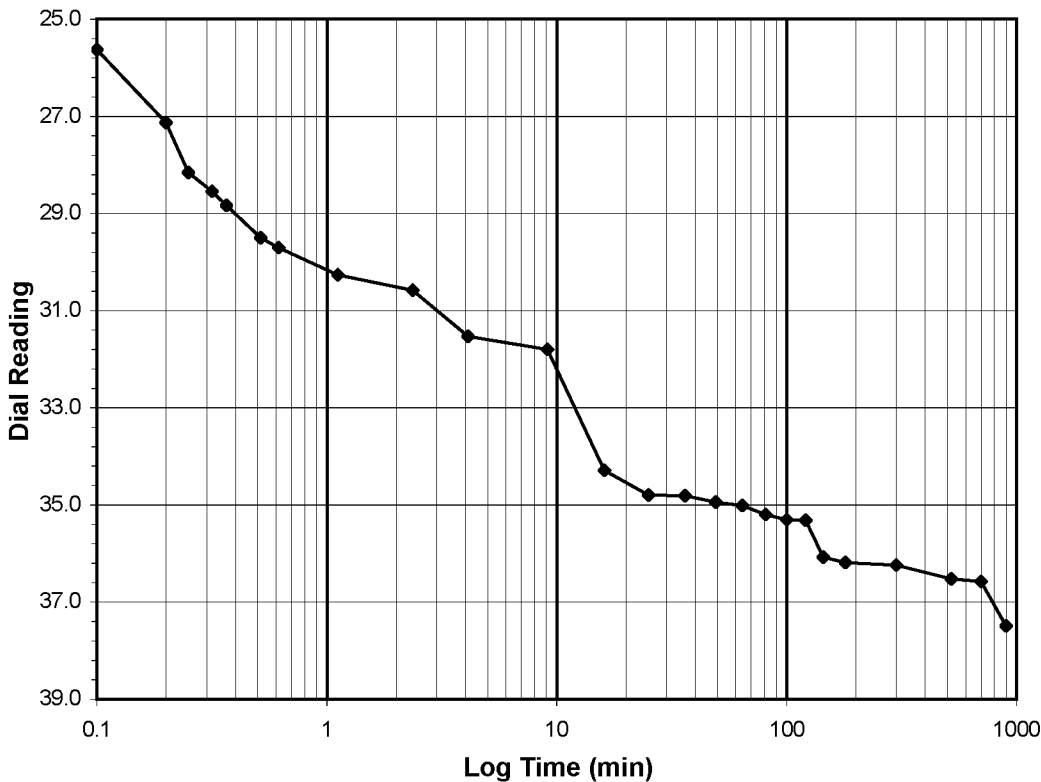
Boring No. R-6-1b
 Depth (ft) 179.7-179.9
 Sample No. ST-9
 Visual Description Gray Silty Sand

Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf)	0.0-0.25
Final Reading (div)	37.5
Consolidometer No.	G1421
1 Division (in)	0.0001
Start Date	11/7/13
Start Time	15:03:51

Elapsed Time (min)	Dial Reading (div)
<i>Initial</i>	0.0
0.10	25.6
0.20	27.1
0.25	28.2
0.32	28.5
0.37	28.8
0.52	29.5
0.62	29.7
1.12	30.3
2.37	30.6
4.12	31.5
9.12	31.8
16.12	34.3
25.12	34.8
36.12	34.8
49.12	34.9
64.12	35.0
81.12	35.2
100.12	35.3
121.12	35.3
144.12	36.1
180.12	36.2
300.12	36.2
520.12	36.5
700.12	36.6
900.23	37.5



Tested By *CLK* Date *11/7/13* Checked By *TM* Date *12/5/13*

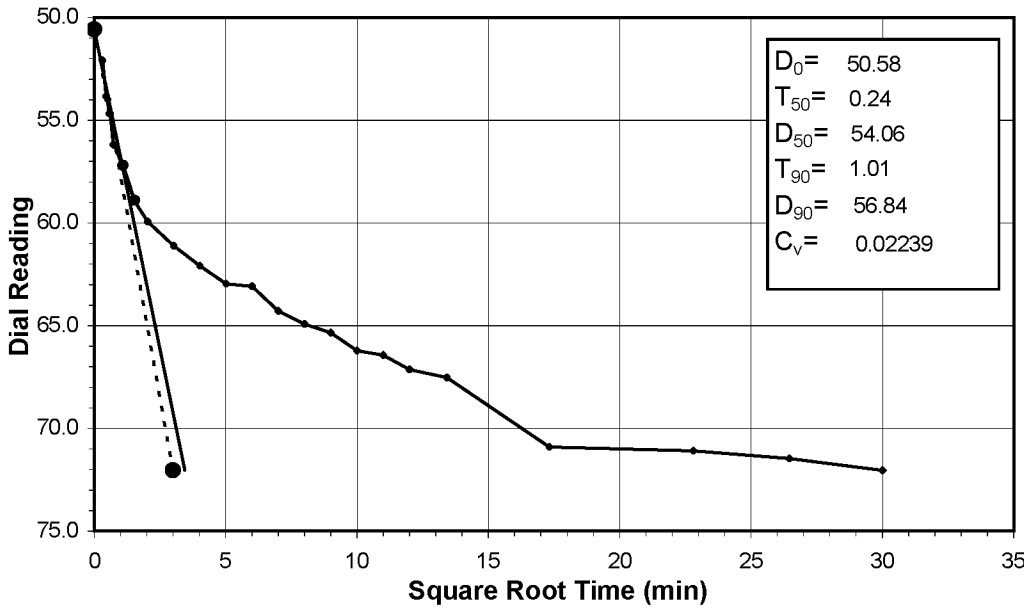
ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates
 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-023

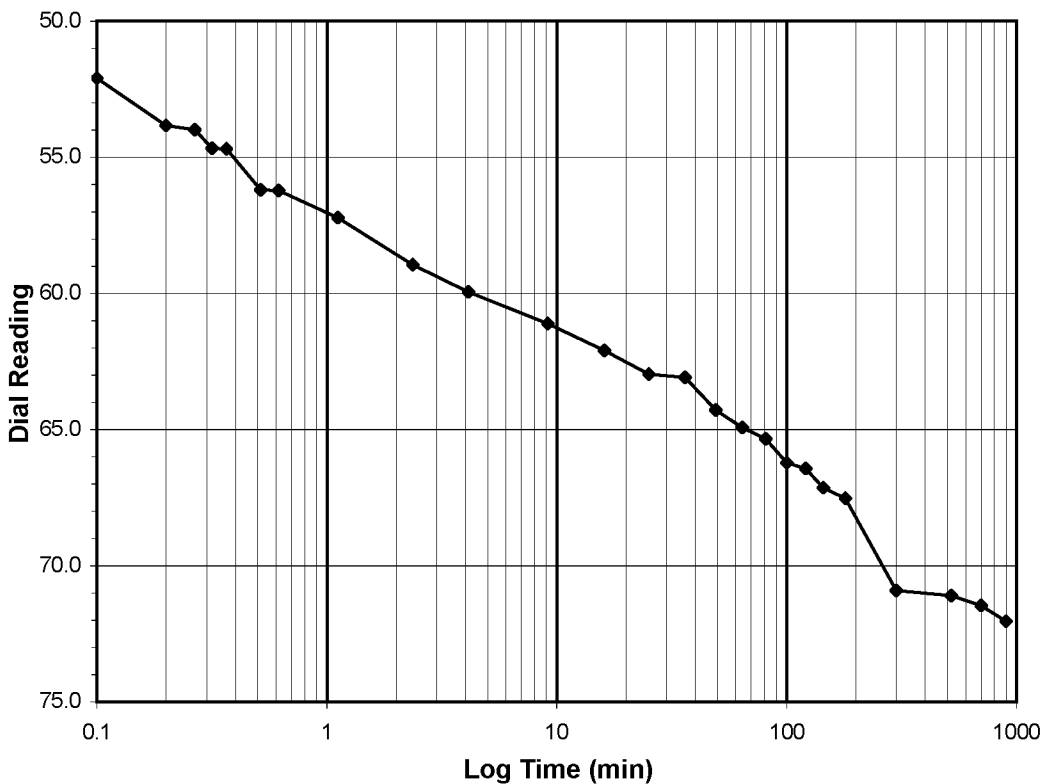
Boring No. R-6-1b
 Depth (ft) 179.7-179.9
 Sample No. ST-9
 Visual Description Gray Silty Sand

Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf)	0.25-0.5
Final Reading (div)	72.0
Consolidometer No.	G1421
1 Division (in)	0.0001
Start Date	11/8/13
Start Time	6:04:05

Elapsed Time (min)	Dial Reading (div)
Initial	37.5
0.10	52.1
0.20	53.8
0.27	54.0
0.32	54.7
0.37	54.7
0.52	56.2
0.62	56.2
1.12	57.2
2.37	58.9
4.13	59.9
9.13	61.1
16.13	62.1
25.13	63.0
36.13	63.1
49.13	64.3
64.13	64.9
81.13	65.3
100.13	66.2
121.13	66.4
144.13	67.1
180.13	67.5
300.15	70.9
520.15	71.1
700.15	71.5
900.23	72.0



Tested By *CLK* Date *11/8/13* Checked By *TM* Date *12/5/13*

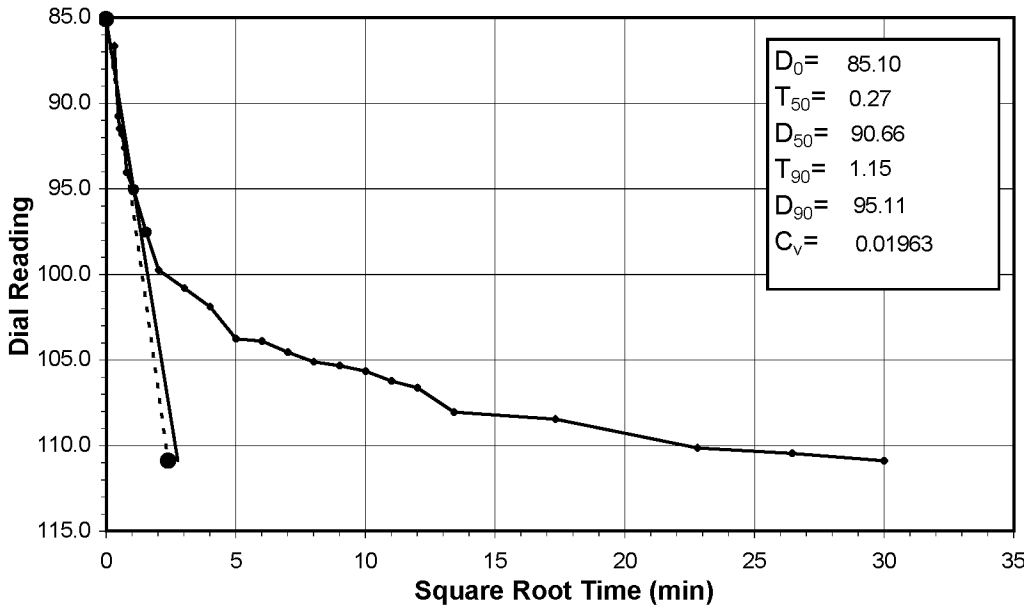
ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates
 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-023

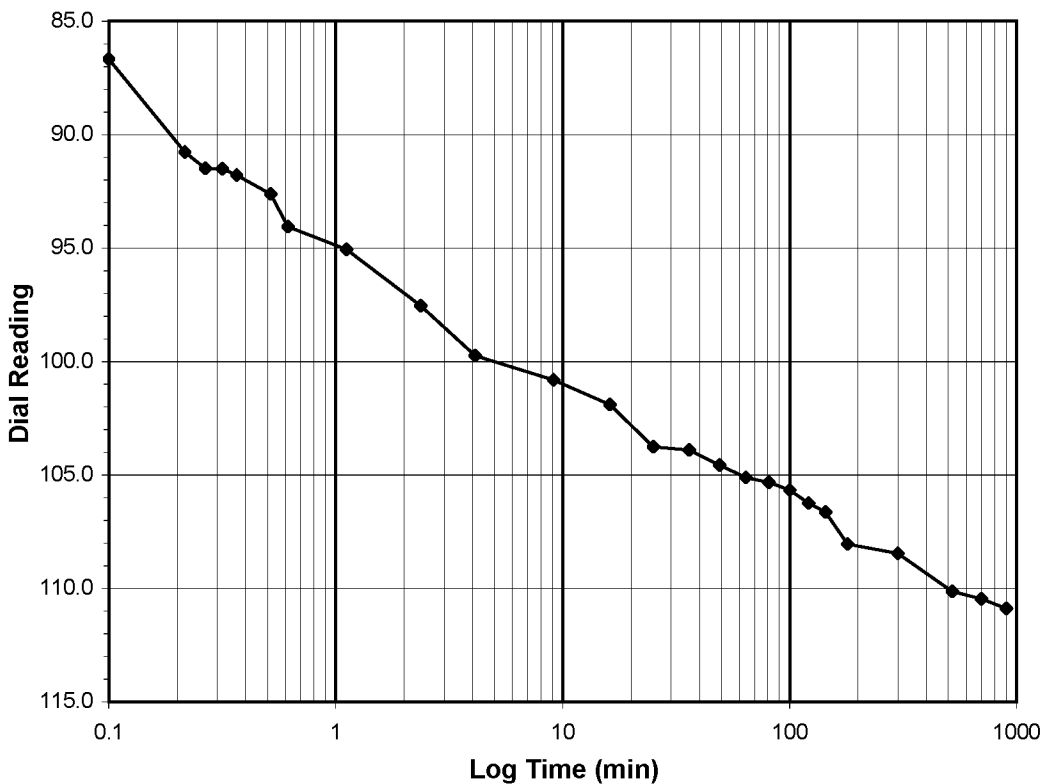
Boring No. R-6-1b
 Depth (ft) 179.7-179.9
 Sample No. ST-9
 Visual Description Gray Silty Sand

Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf)	0.5-1.0
Final Reading (div)	110.9
Consolidometer No.	G1421
1 Division (in)	0.0001
Start Date	11/8/13
Start Time	21:04:19

Elapsed Time (min)	Dial Reading (div)
Initial	72.0
0.10	86.7
0.22	90.8
0.27	91.5
0.32	91.5
0.37	91.8
0.52	92.6
0.62	94.0
1.12	95.1
2.37	97.5
4.12	99.7
9.12	100.8
16.12	101.9
25.12	103.8
36.12	103.9
49.12	104.6
64.12	105.1
81.12	105.3
100.12	105.7
121.12	106.2
144.12	106.6
180.12	108.1
300.12	108.4
520.12	110.1
700.12	110.5
900.08	110.9



Tested By **CLK** Date **11/8/13** Checked By **TM** Date **12/5/13**

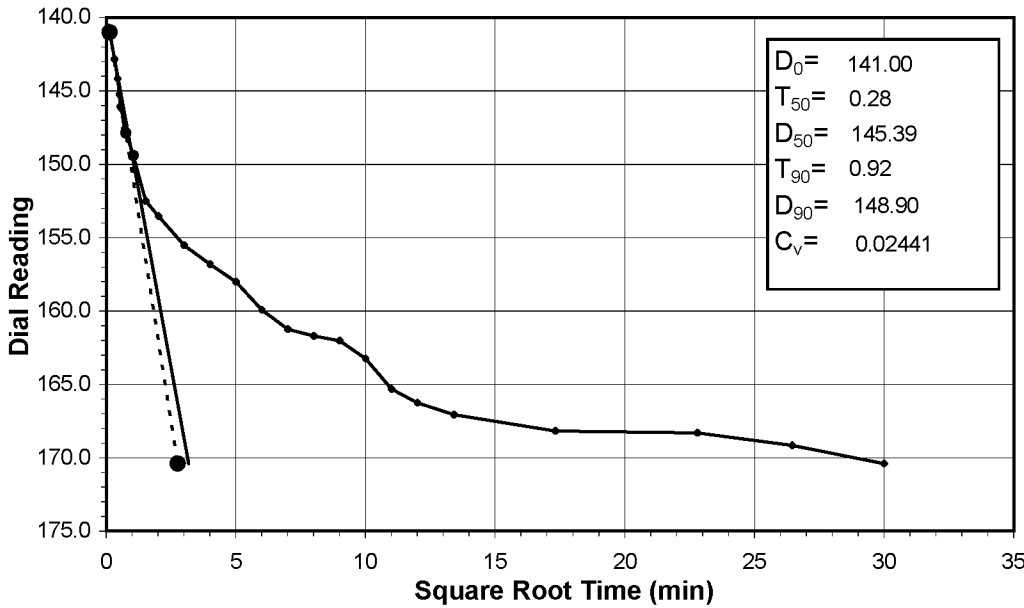
ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates
 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-023

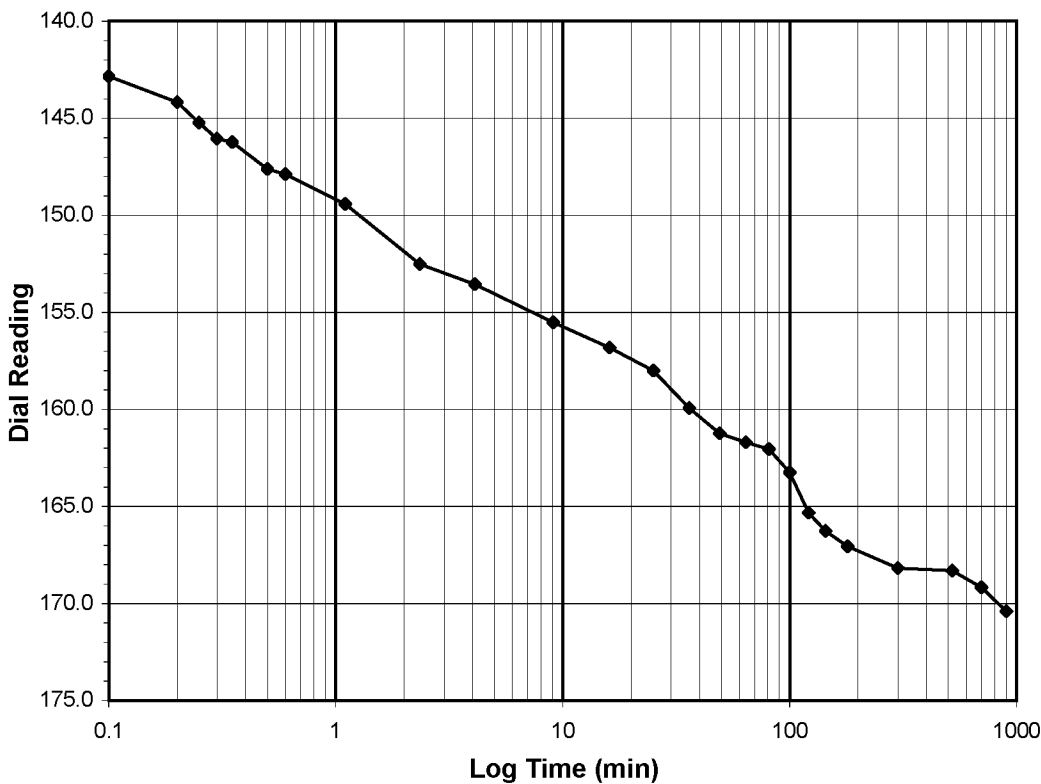
Boring No. R-6-1b
 Depth (ft) 179.7-179.9
 Sample No. ST-9
 Visual Description Gray Silty Sand

Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf)	1.0-2.0
Final Reading (div)	170.4
Consolidometer No.	G1421
1 Division (in)	0.0001
Start Date	11/9/13
Start Time	12:04:24

Elapsed Time (min)	Dial Reading (div)
Initial	110.9
0.10	142.8
0.20	144.2
0.25	145.2
0.30	146.1
0.35	146.2
0.50	147.6
0.60	147.9
1.10	149.4
2.35	152.5
4.10	153.6
9.10	155.5
16.10	156.8
25.10	158.0
36.10	159.9
49.10	161.2
64.10	161.7
81.10	162.0
100.12	163.3
121.12	165.3
144.12	166.3
180.12	167.1
300.12	168.2
520.12	168.3
700.12	169.2
900.08	170.4



Tested By **CLK** Date **11/9/13** Checked By **TM** Date **12/5/13**

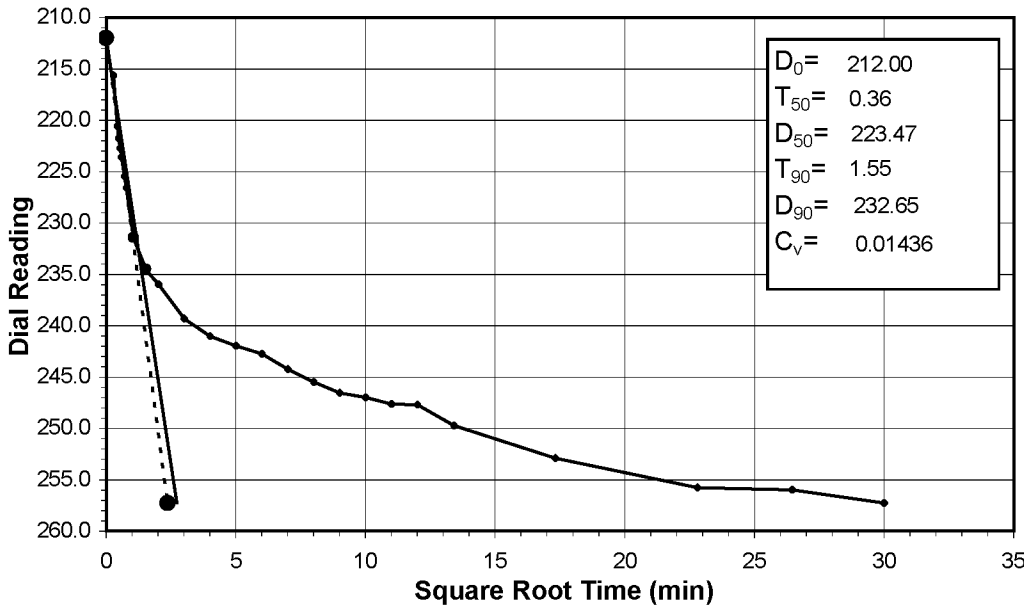
ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates
 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-023

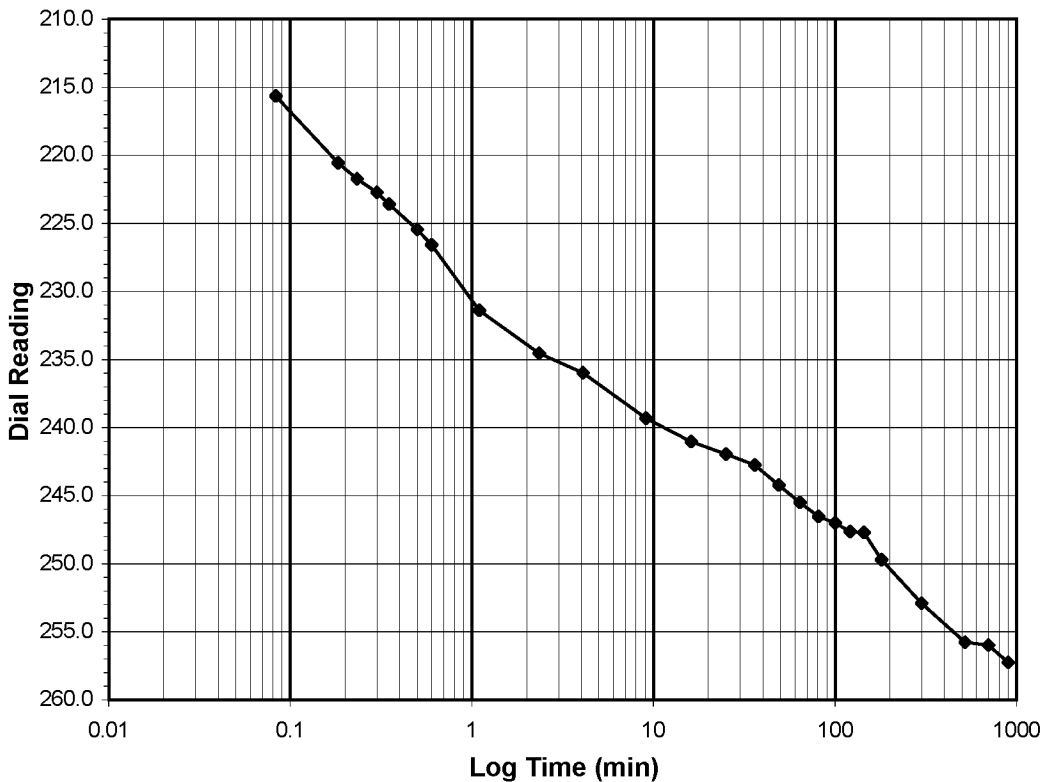
Boring No. R-6-1b
 Depth (ft) 179.7-179.9
 Sample No. ST-9
 Visual Description Gray Silty Sand

Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf)	2.0-4.0
Final Reading (div)	257.3
Consolidometer No.	G1421
1 Division (in)	0.0001
Start Date	11/10/13
Start Time	3:04:29

Elapsed Time (min)	Dial Reading (div)
<hr/>	
<i>Initial</i>	170.4
0.08	215.6
0.18	220.6
0.23	221.7
0.30	222.7
0.35	223.6
0.50	225.4
0.60	226.6
1.10	231.4
2.35	234.5
4.10	236.0
9.10	239.3
16.10	241.0
25.10	242.0
36.10	242.7
49.10	244.2
64.10	245.5
81.10	246.5
100.10	247.0
121.12	247.6
144.12	247.7
180.12	249.7
300.12	252.9
520.12	255.8
700.12	256.0
900.23	257.3



Tested By *CLK* Date *11/10/13* Checked By *TM* Date *12/5/13*

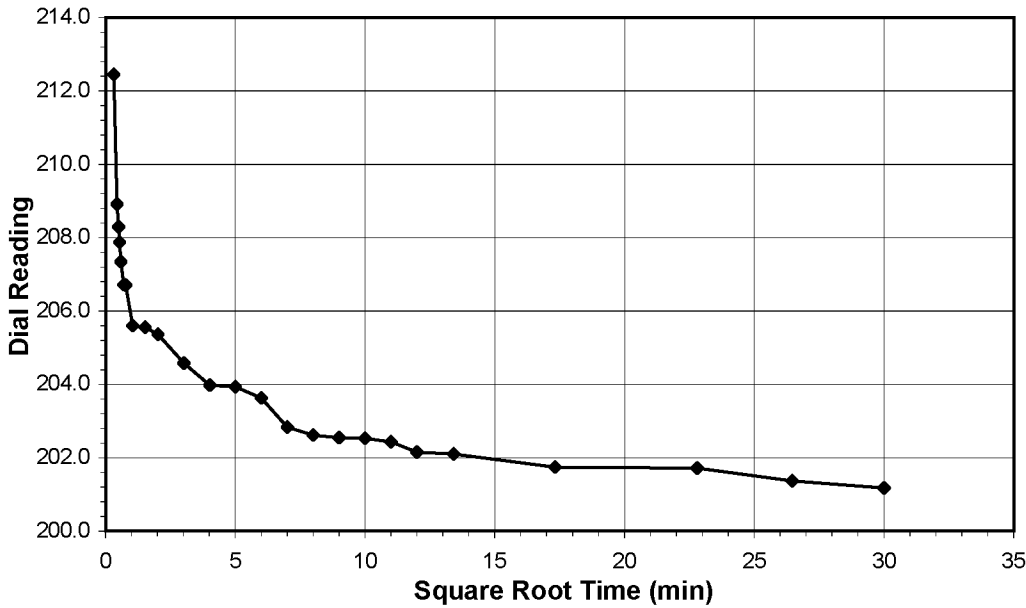
ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates
 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-023

Boring No. R-6-1b
 Depth (ft) 179.7-179.9
 Sample No. ST-9
 Visual Description Gray Silty Sand

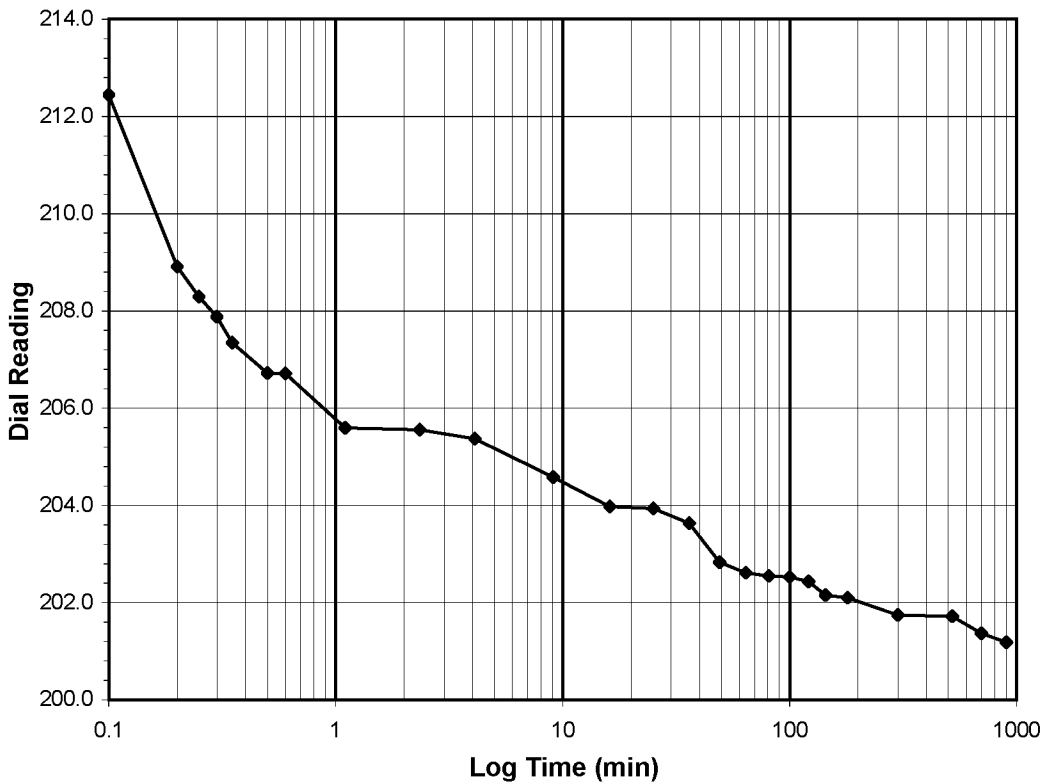
Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf) 4.0-1.0
Final Reading (div) 201.2
 Consolidometer No. G1421
 1 Division (in) 0.0001

Start Date 11/10/13
 Start Time 18:04:45

Elapsed Time (min)	Dial Reading (div)
Initial	257.3
0.10	212.4
0.20	208.9
0.25	208.3
0.30	207.9
0.35	207.3
0.50	206.7
0.60	206.7
1.10	205.6
2.35	205.6
4.10	205.4
9.10	204.6
16.12	204.0
25.12	203.9
36.12	203.6
49.12	202.8
64.12	202.6
81.12	202.5
100.12	202.5
121.12	202.4
144.12	202.2
180.12	202.1
300.12	201.7
520.12	201.7
700.12	201.4
900.28	201.2



Tested By CLK Date 11/10/13 Checked By TM Date 12/5/13

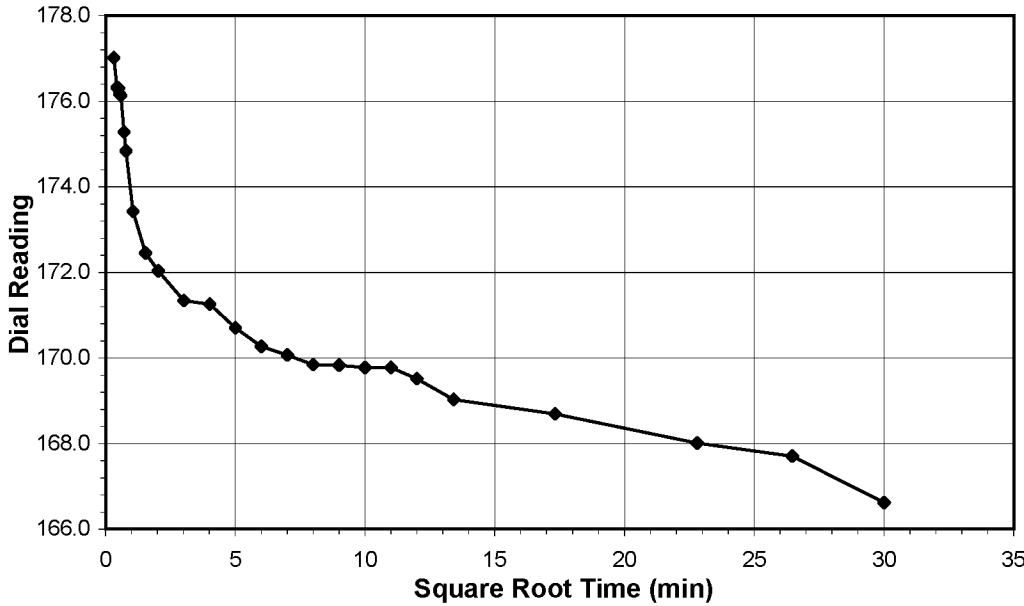
ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates
 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-023

Boring No. R-6-1b
 Depth (ft) 179.7-179.9
 Sample No. ST-9
 Visual Description Gray Silty Sand

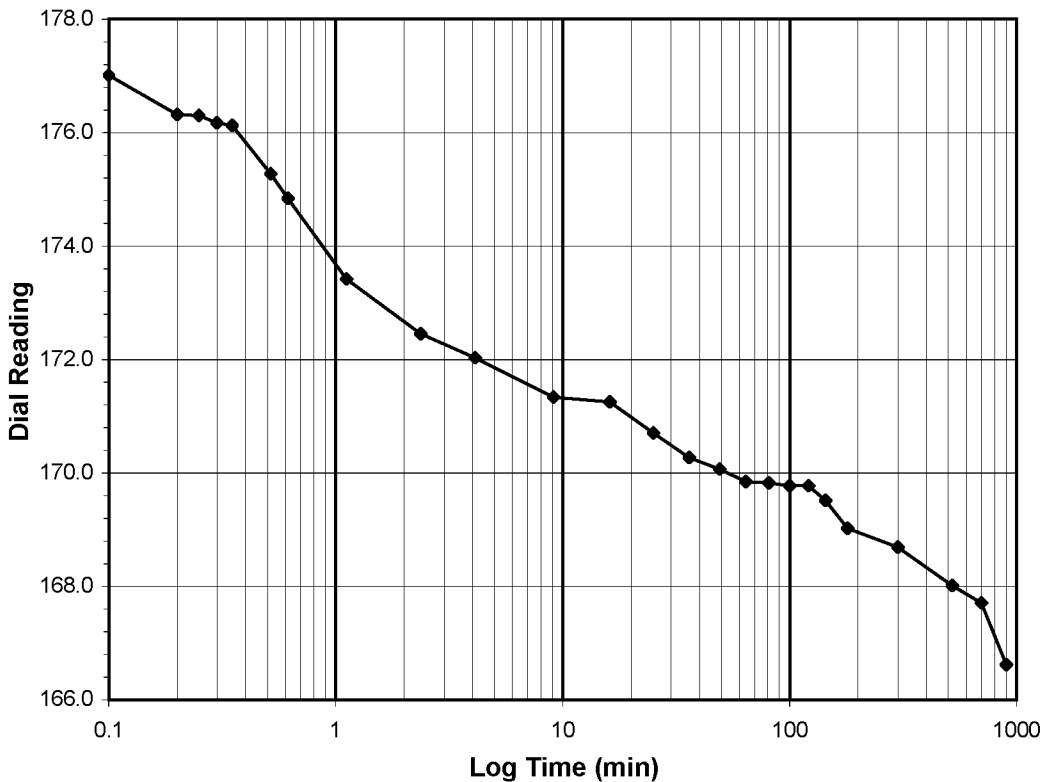
Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf) 1.0-0.25
Final Reading (div) 166.6
 Consolidometer No. G1421
 1 Division (in) 0.0001

Start Date 11/11/13
 Start Time 9:05:02

Elapsed Time (min)	Dial Reading (div)
Initial	201.2
0.10	177.0
0.20	176.3
0.25	176.3
0.30	176.2
0.35	176.1
0.52	175.3
0.62	174.8
1.12	173.4
2.37	172.5
4.12	172.0
9.12	171.3
16.12	171.3
25.12	170.7
36.12	170.3
49.12	170.1
64.12	169.8
81.12	169.8
100.12	169.8
121.12	169.8
144.12	169.5
180.12	169.0
300.12	168.7
520.12	168.0
700.12	167.7
900.42	166.6



Tested By CLK Date 11/11/13 Checked By TM Date 12/5/13

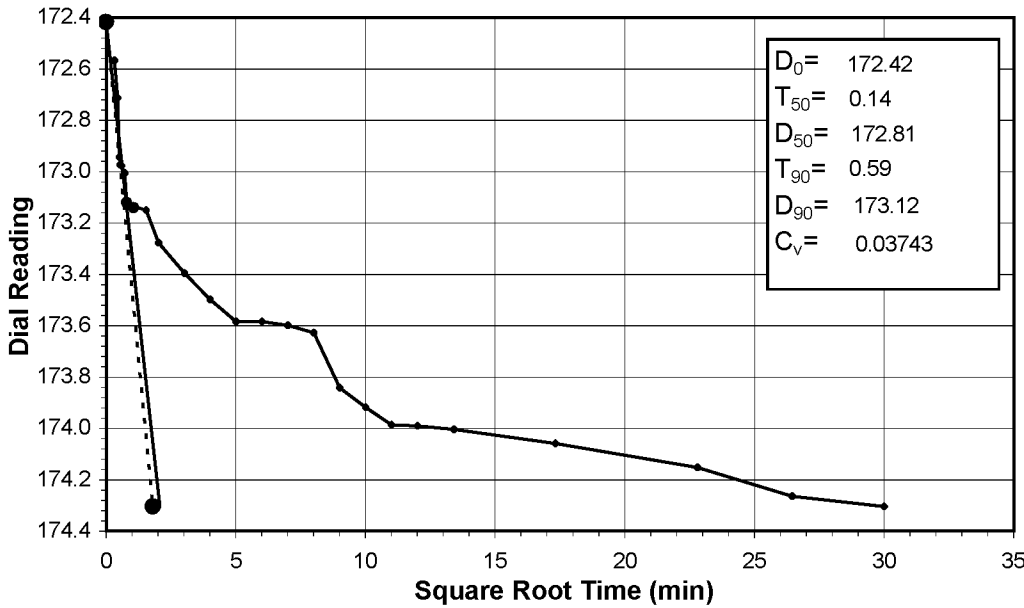
ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates
 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-023

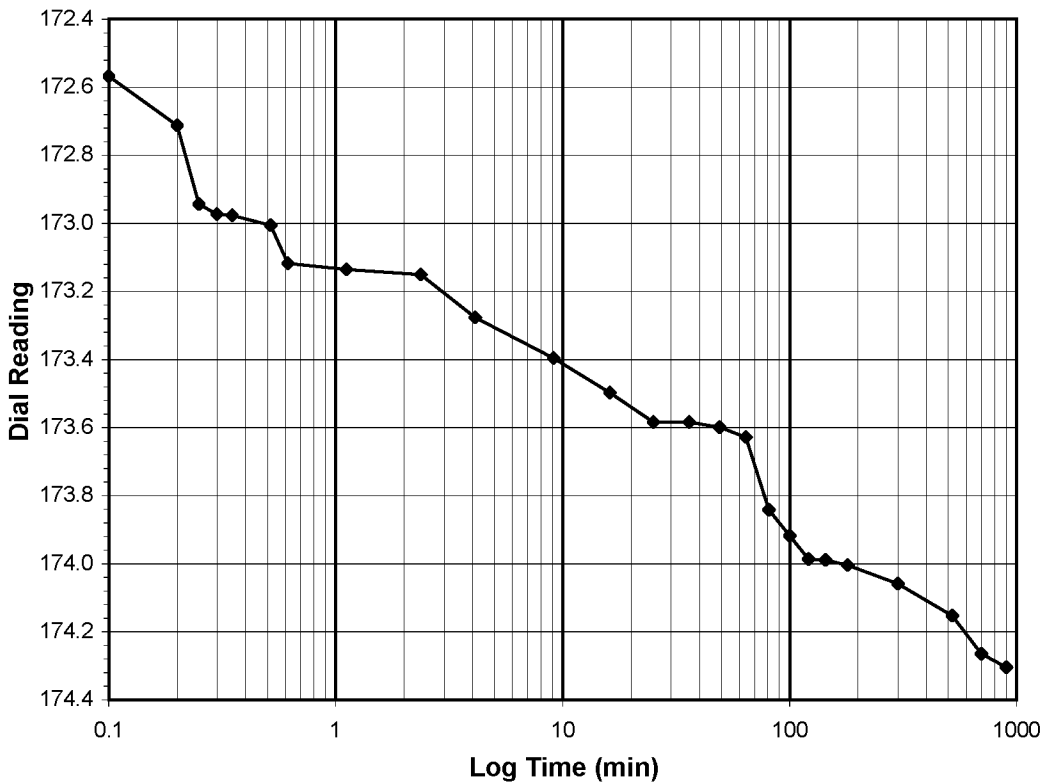
Boring No. R-6-1b
 Depth (ft) 179.7-179.9
 Sample No. ST-9
 Visual Description Gray Silty Sand

Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf)	0.25-0.5
Final Reading (div)	174.3
Consolidometer No.	G1421
1 Division (in)	0.0001
Start Date	11/12/13
Start Time	0:05:27

Elapsed Time (min)	Dial Reading (div)
Initial	166.6
0.10	172.6
0.20	172.7
0.25	172.9
0.30	173.0
0.35	173.0
0.52	173.0
0.62	173.1
1.12	173.1
2.37	173.2
4.12	173.3
9.12	173.4
16.12	173.5
25.12	173.6
36.12	173.6
49.12	173.6
64.12	173.6
81.12	173.8
100.12	173.9
121.12	174.0
144.12	174.0
180.12	174.0
300.12	174.1
520.12	174.2
700.13	174.3
900.37	174.3



Tested By **CLK** Date **11/12/13** Checked By **TM** Date **12/5/13**

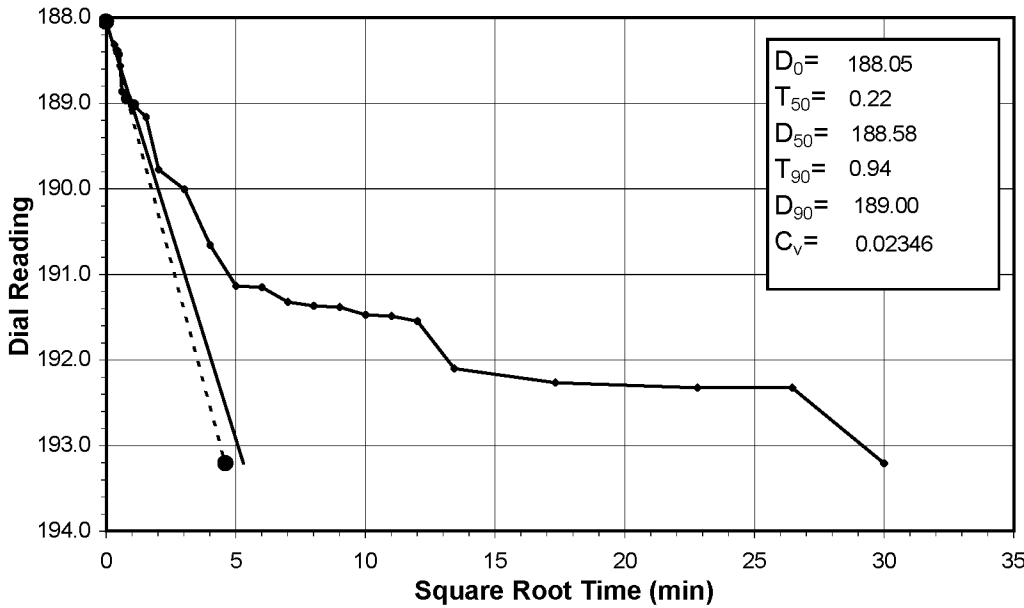
ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates
 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-023

Boring No. R-6-1b
 Depth (ft) 179.7-179.9
 Sample No. ST-9
 Visual Description Gray Silty Sand

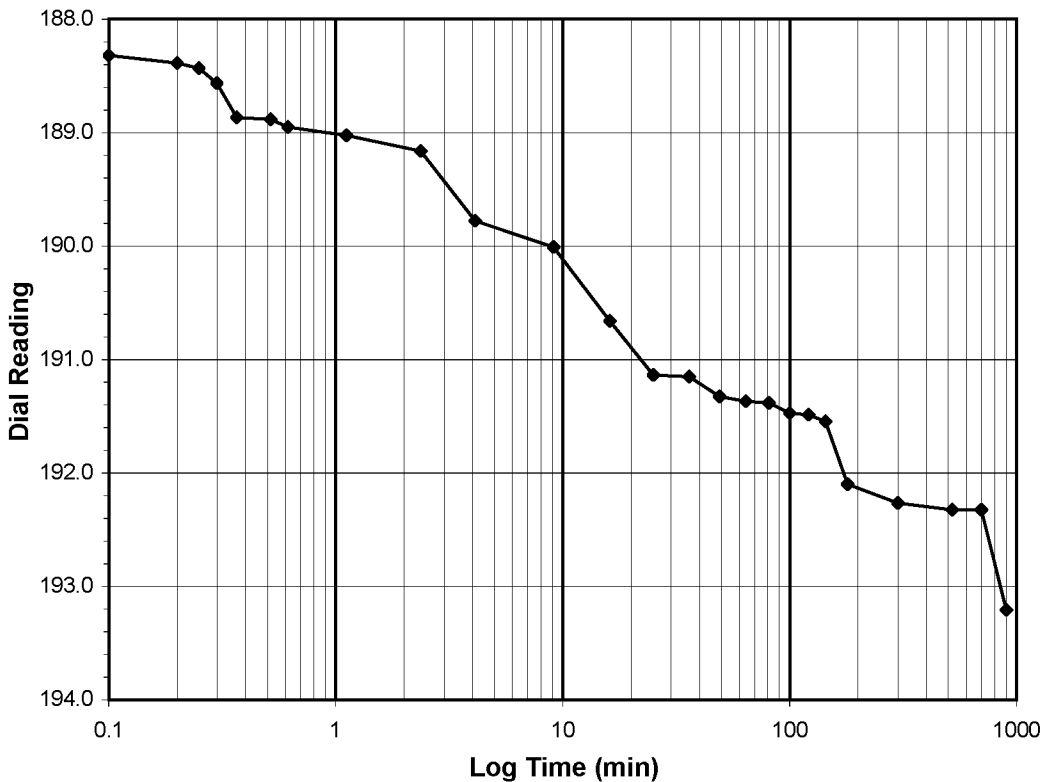
Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf) 0.5-1.0
Final Reading (div) 193.2
 Consolidometer No. G1421
 1 Division (in) 0.0001

Start Date 11/12/13
 Start Time 15:05:49

Elapsed Time (min)	Dial Reading (div)
Initial	174.3
0.10	188.3
0.20	188.4
0.25	188.4
0.30	188.6
0.37	188.9
0.52	188.9
0.62	189.0
1.12	189.0
2.37	189.2
4.12	189.8
9.12	190.0
16.12	190.7
25.12	191.1
36.12	191.2
49.12	191.3
64.12	191.4
81.12	191.4
100.12	191.5
121.12	191.5
144.12	191.5
180.13	192.1
300.13	192.3
520.13	192.3
700.13	192.3
900.03	193.2



Tested By CLK Date 11/12/13 Checked By TM Date 12/5/13

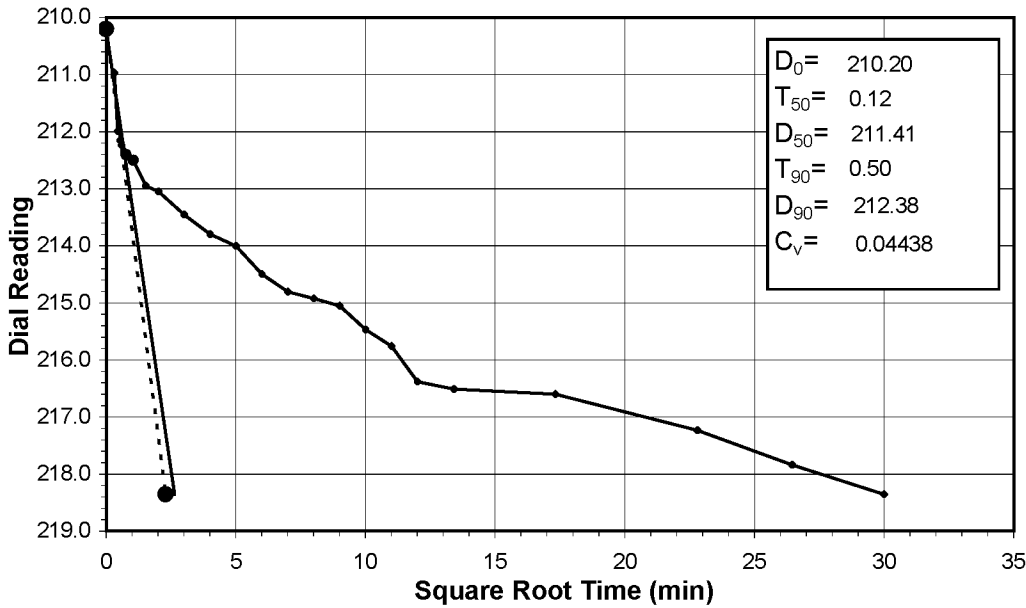
ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates
 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-023

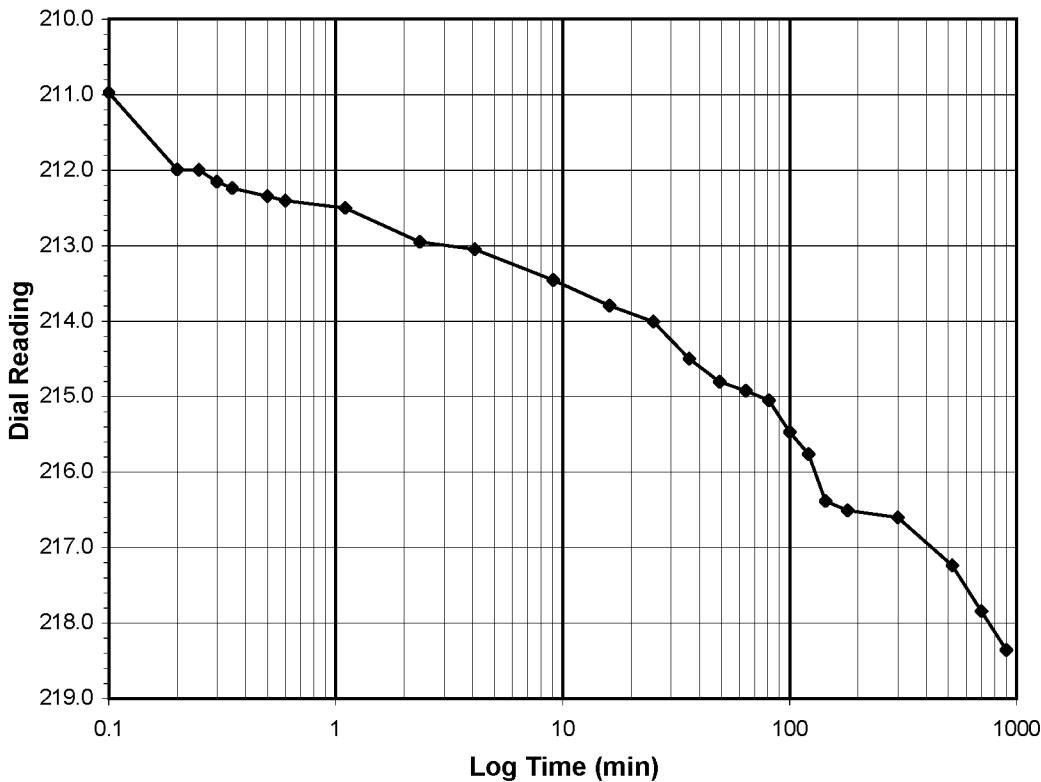
Boring No. R-6-1b
 Depth (ft) 179.7-179.9
 Sample No. ST-9
 Visual Description Gray Silty Sand

Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf)	1.0-2.0
Final Reading (div)	218.4
Consolidometer No.	G1421
1 Division (in)	0.0001
Start Date	11/13/13
Start Time	6:05:51

Elapsed Time (min)	Dial Reading (div)
<i>Initial</i>	193.2
0.10	211.0
0.20	212.0
0.25	212.0
0.30	212.2
0.35	212.2
0.50	212.3
0.60	212.4
1.10	212.5
2.35	212.9
4.10	213.0
9.10	213.5
16.10	213.8
25.10	214.0
36.10	214.5
49.12	214.8
64.12	214.9
81.12	215.1
100.12	215.5
121.12	215.8
144.12	216.4
180.12	216.5
300.12	216.6
520.12	217.2
700.12	217.8
900.38	218.4



Tested By **CLK** Date **11/13/13** Checked By **TM** Date **12/5/13**

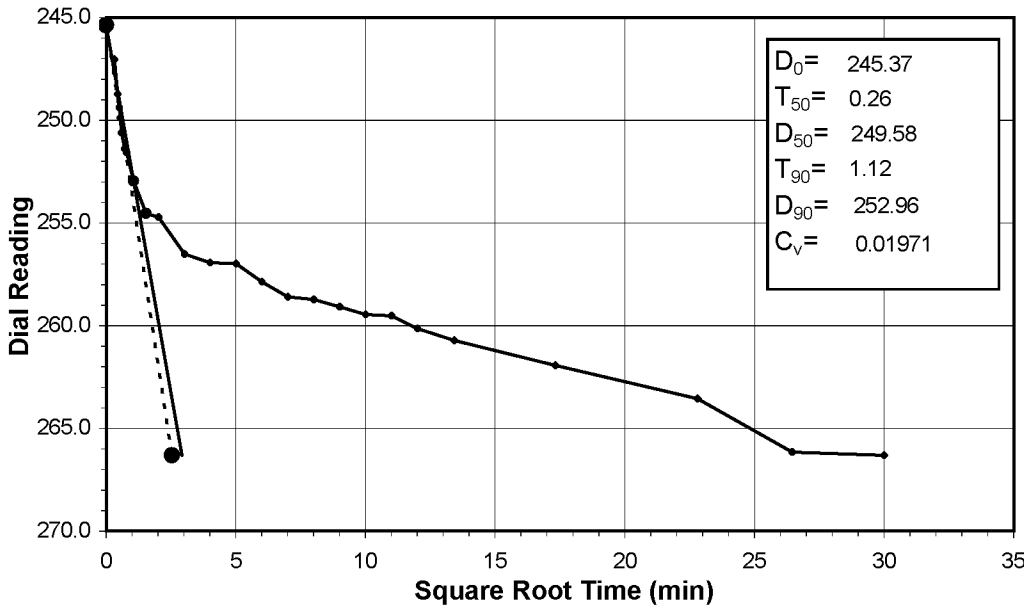
ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates
 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-023

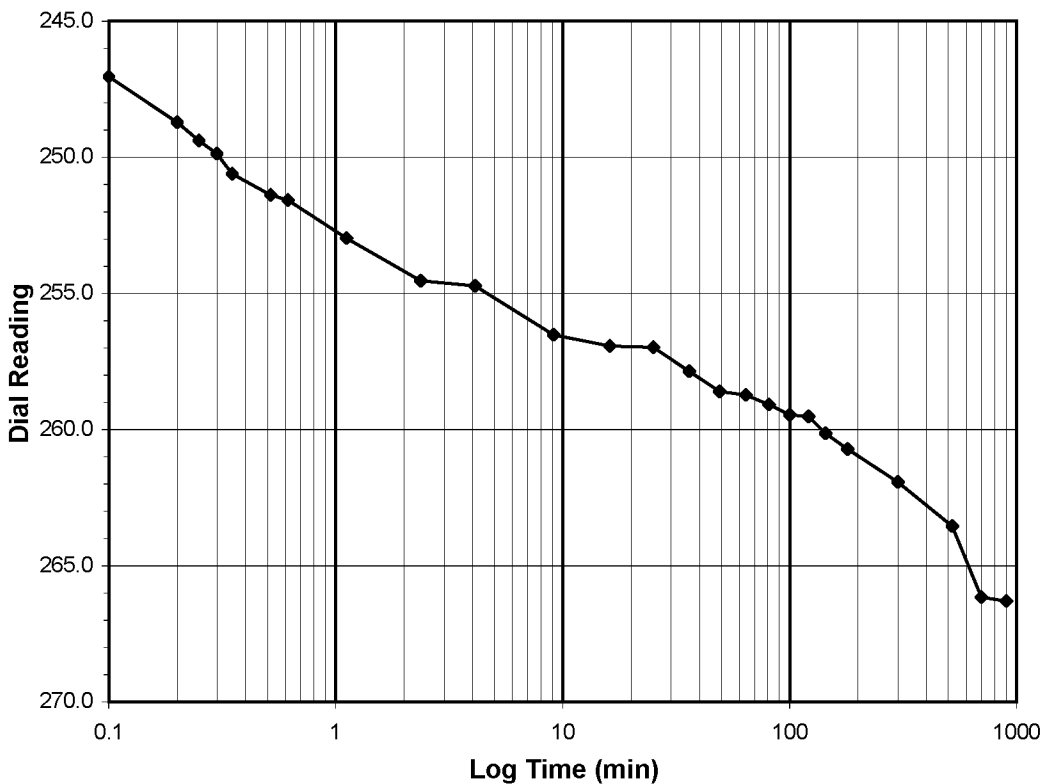
Boring No. R-6-1b
 Depth (ft) 179.7-179.9
 Sample No. ST-9
 Visual Description Gray Silty Sand

Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf)	2.0-4.0
Final Reading (div)	266.3
Consolidometer No.	G1421
1 Division (in)	0.0001
Start Date	11/13/13
Start Time	21:06:14

Elapsed Time (min)	Dial Reading (div)
Initial	218.4
0.10	247.0
0.20	248.7
0.25	249.4
0.30	249.9
0.35	250.6
0.52	251.4
0.62	251.6
1.12	253.0
2.37	254.5
4.12	254.7
9.12	256.5
16.12	256.9
25.12	257.0
36.12	257.9
49.12	258.6
64.12	258.7
81.12	259.1
100.12	259.5
121.12	259.5
144.13	260.1
180.13	260.7
300.13	261.9
520.13	263.5
700.13	266.2
900.33	266.3



Tested By **CLK** Date **11/13/13** Checked By **TM** Date **12/5/13**

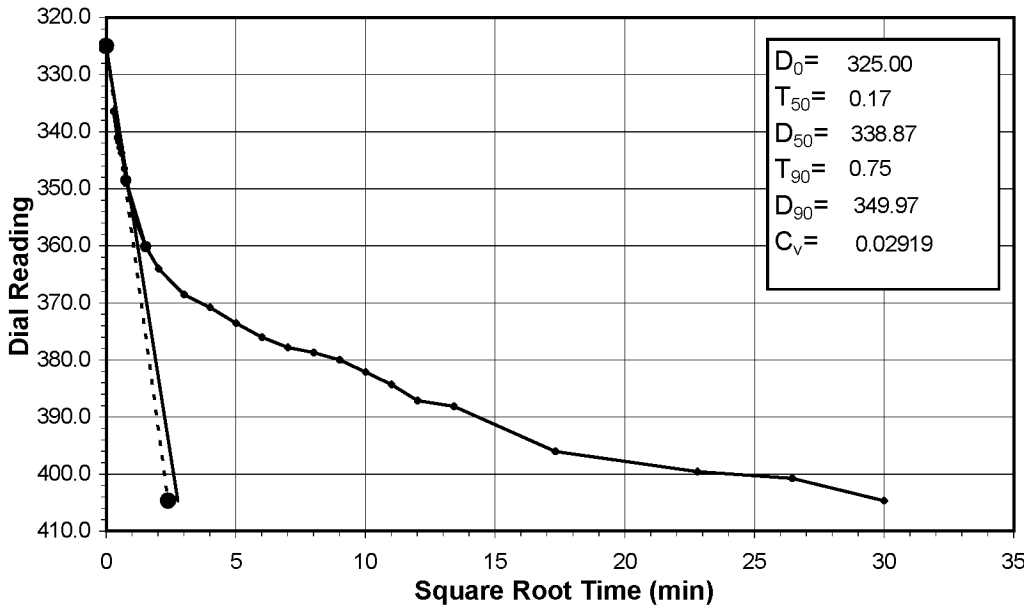
ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates
 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-023

Boring No. R-6-1b
 Depth (ft) 179.7-179.9
 Sample No. ST-9
 Visual Description Gray Silty Sand

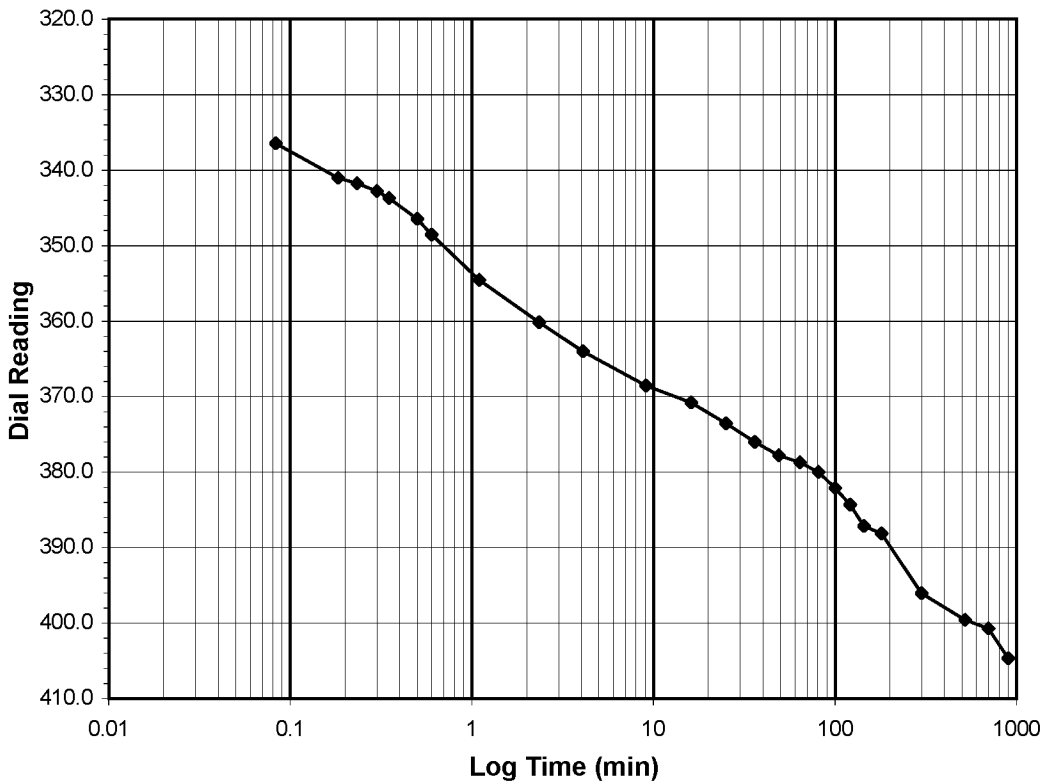
Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf) 4.0-8.0
Final Reading (div) 404.7
 Consolidometer No. **G1421**
 1 Division (in) 0.0001

Start Date 11/14/13
 Start Time 12:06:34

Elapsed Time (min)	Dial Reading (div)
<i>Initial</i>	266.3
0.08	336.5
0.18	341.0
0.23	341.7
0.30	342.7
0.35	343.7
0.50	346.5
0.60	348.5
1.10	354.6
2.35	360.1
4.10	364.0
9.10	368.6
16.12	370.8
25.12	373.6
36.12	376.0
49.12	377.8
64.12	378.7
81.12	380.0
100.12	382.1
121.12	384.3
144.12	387.1
180.12	388.1
300.12	396.0
520.12	399.6
700.12	400.7
900.35	404.7



Tested By *CLK* Date *11/14/13* Checked By *TM* Date *12/5/13*

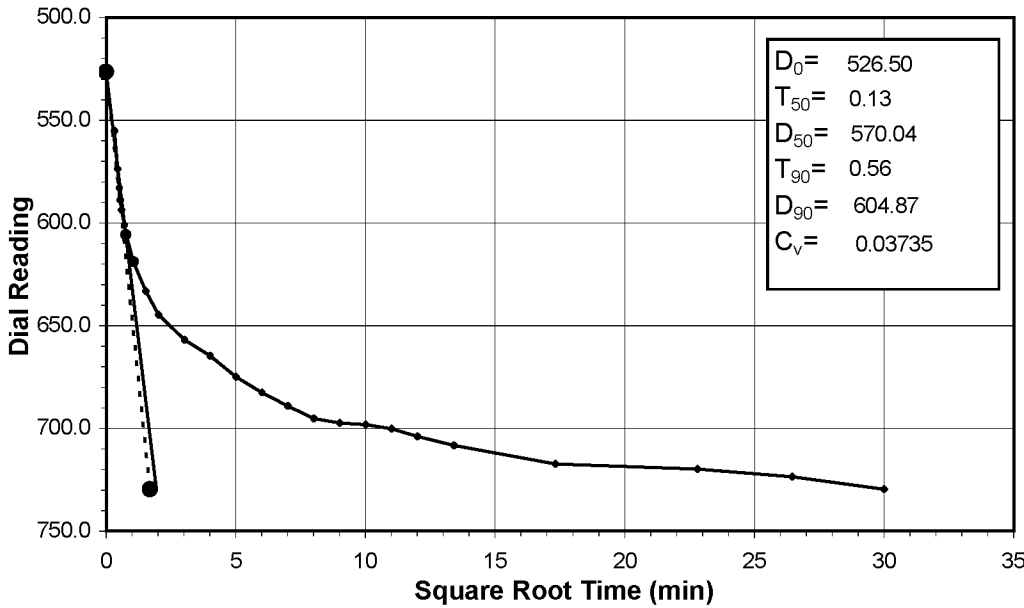
ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates
 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-023

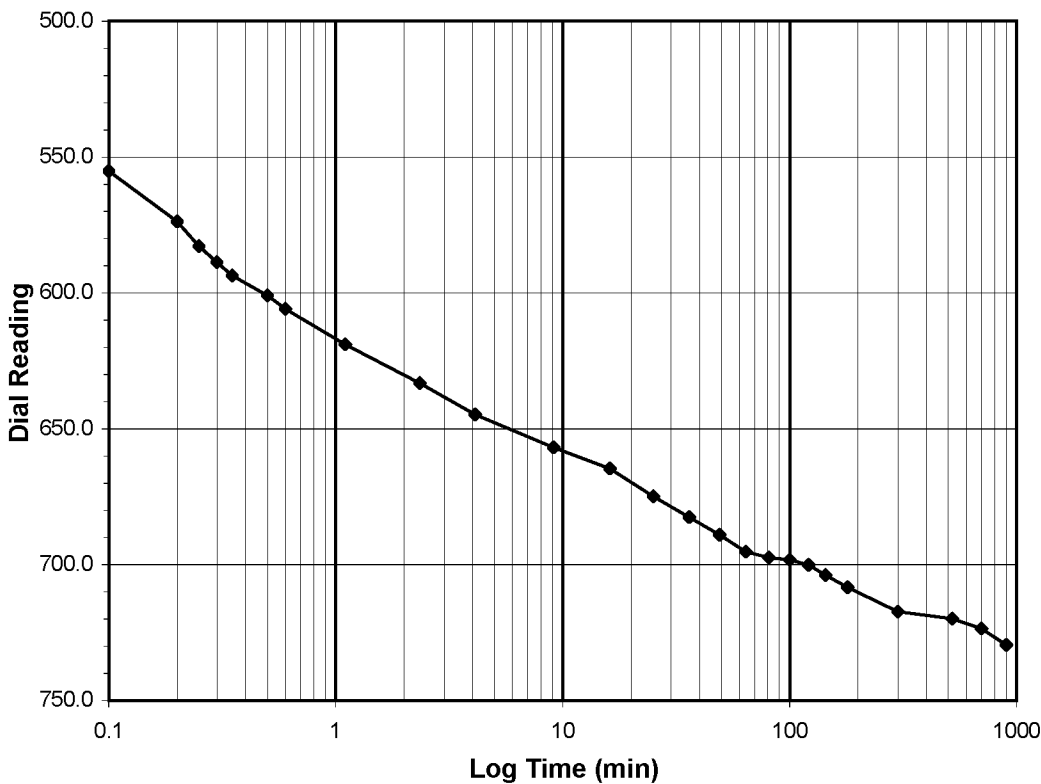
Boring No. R-6-1b
 Depth (ft) 179.7-179.9
 Sample No. ST-9
 Visual Description Gray Silty Sand

Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf)	8.0-16.0
Final Reading (div)	729.6
Consolidometer No.	G1421
1 Division (in)	0.0001
Start Date	11/15/13
Start Time	3:06:56

Elapsed Time (min)	Dial Reading (div)
Initial	404.7
0.10	555.1
0.20	573.7
0.25	582.8
0.30	588.7
0.35	593.6
0.50	600.9
0.60	605.8
1.10	618.9
2.35	633.2
4.12	644.7
9.12	656.9
16.12	664.6
25.12	674.9
36.12	682.6
49.12	689.0
64.12	695.2
81.12	697.3
100.12	698.2
121.12	700.1
144.12	703.9
180.12	708.3
300.12	717.3
520.12	719.8
700.12	723.6
900.32	729.6



Tested By *CLK* Date *11/15/13* Checked By *TM* Date *12/5/13*

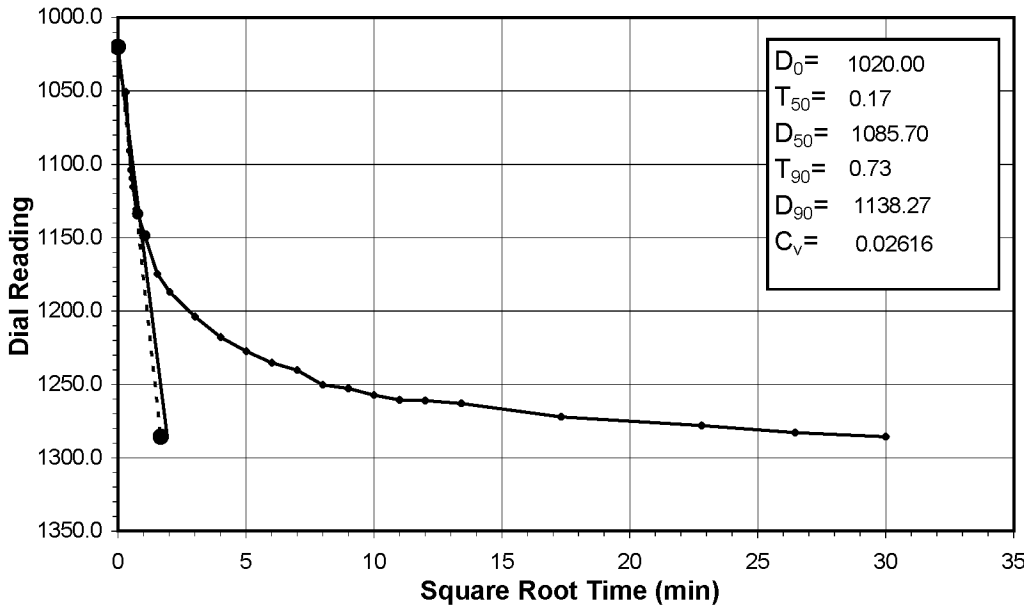
ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates
 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-023

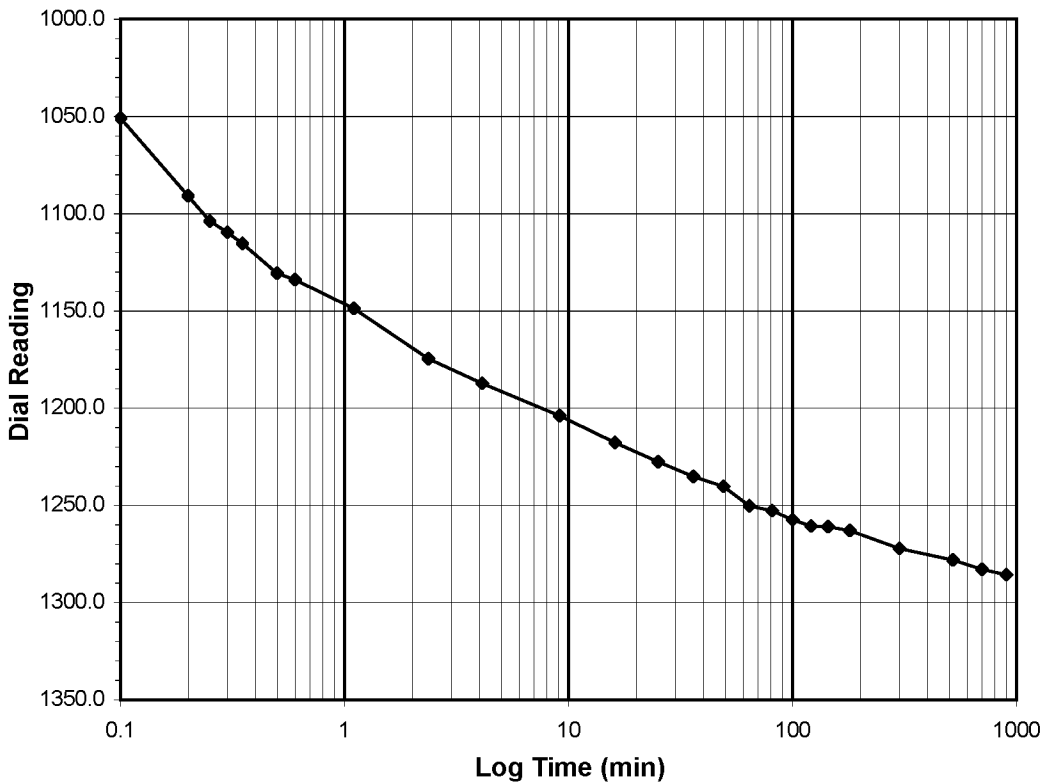
Boring No. R-6-1b
 Depth (ft) 179.7-179.9
 Sample No. ST-9
 Visual Description Gray Silty Sand

Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf)	16.0-32.0
Final Reading (div)	1285.7
Consolidometer No.	G1421
1 Division (in)	0.0001
Start Date	11/15/13
Start Time	18:07:15

Elapsed Time (min)	Dial Reading (div)
Initial	729.6
0.10	1050.8
0.20	1090.8
0.25	1103.8
0.30	1109.5
0.35	1115.4
0.50	1130.6
0.60	1133.9
1.10	1148.8
2.37	1174.6
4.12	1187.2
9.12	1203.8
16.12	1217.7
25.12	1227.5
36.12	1235.2
49.12	1240.2
64.12	1250.3
81.12	1252.7
100.12	1257.3
121.12	1260.7
144.12	1261.0
180.12	1262.9
300.12	1272.2
520.12	1278.1
700.12	1282.9
900.05	1285.7



Tested By *CLK* Date *11/15/13* Checked By *TM* Date *12/5/13*

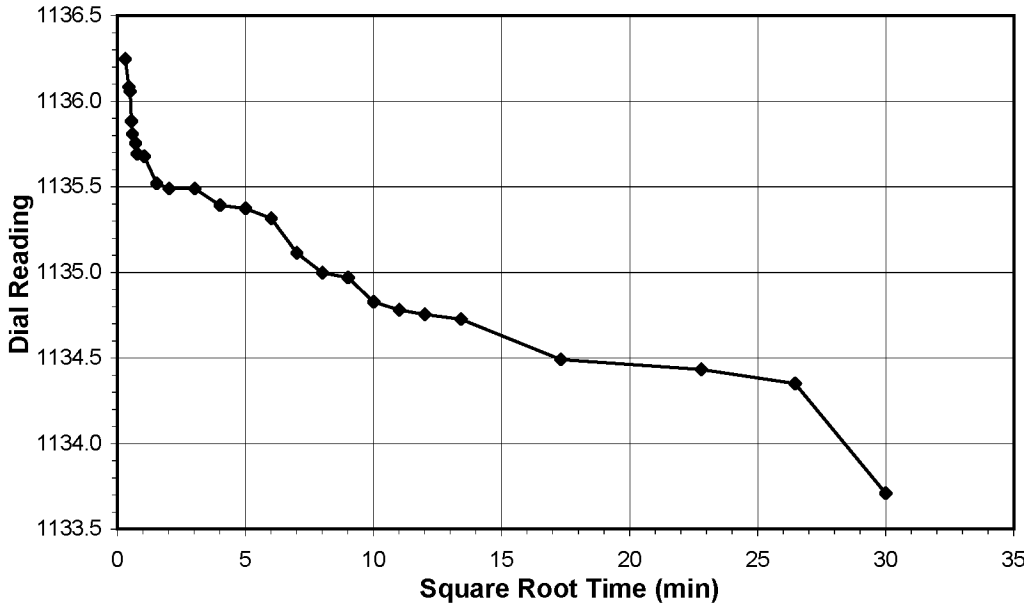
ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates
 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-023

Boring No. R-6-1b
 Depth (ft) 179.7-179.9
 Sample No. ST-9
 Visual Description Gray Silty Sand

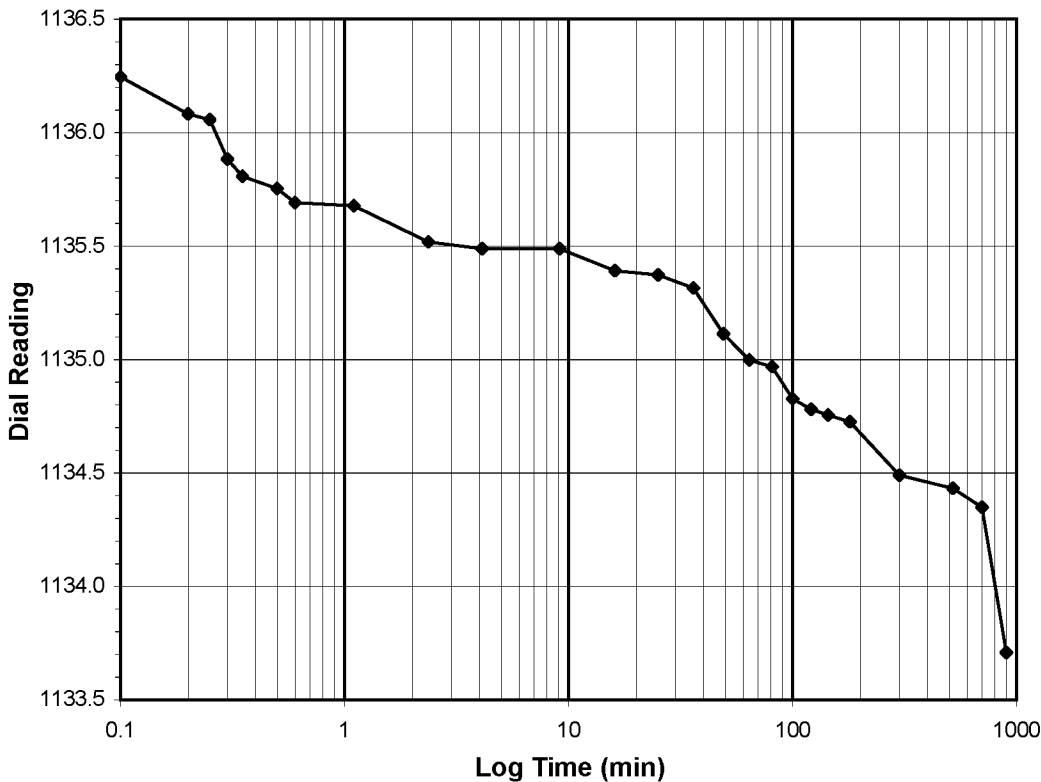
Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf) 32.0-8.0
Final Reading (div) 1133.7
 Consolidometer No. G1421
 1 Division (in) 0.0001

Start Date 11/16/13
 Start Time 9:07:18

Elapsed Time (min)	Dial Reading (div)
Initial	1285.7
0.10	1136.2
0.20	1136.1
0.25	1136.1
0.30	1135.9
0.35	1135.8
0.50	1135.8
0.60	1135.7
1.10	1135.7
2.37	1135.5
4.12	1135.5
9.12	1135.5
16.12	1135.4
25.12	1135.4
36.12	1135.3
49.12	1135.1
64.12	1135.0
81.12	1135.0
100.12	1134.8
121.12	1134.8
144.12	1134.8
180.12	1134.7
300.12	1134.5
520.12	1134.4
700.12	1134.3
900.35	1133.7



Tested By CLK Date 11/16/13 Checked By TM Date 12/5/13

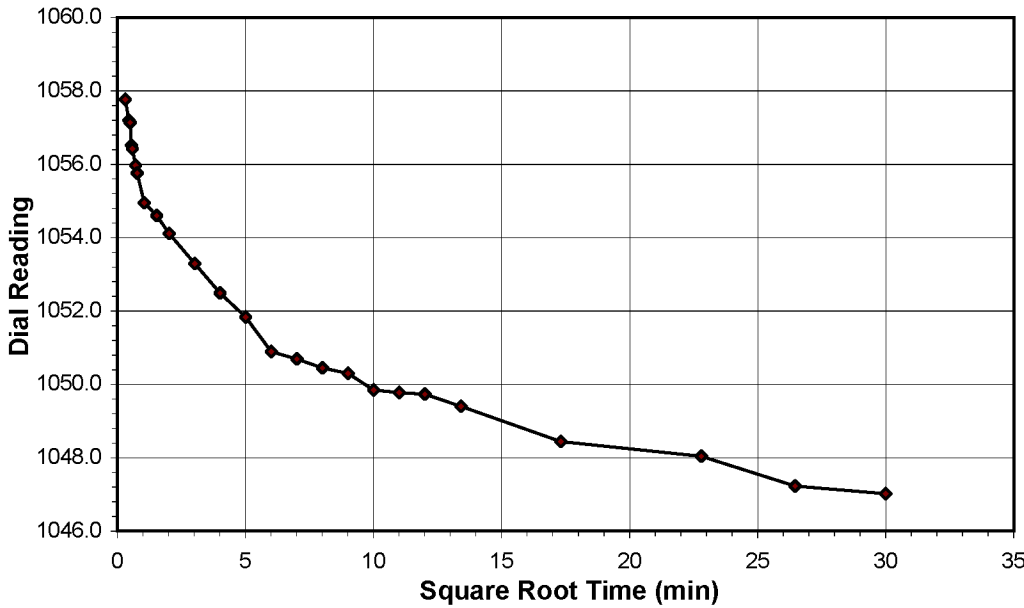
ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates
 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-023

Boring No. R-6-1b
 Depth (ft) 179.7-179.9
 Sample No. ST-9
 Visual Description Gray Silty Sand

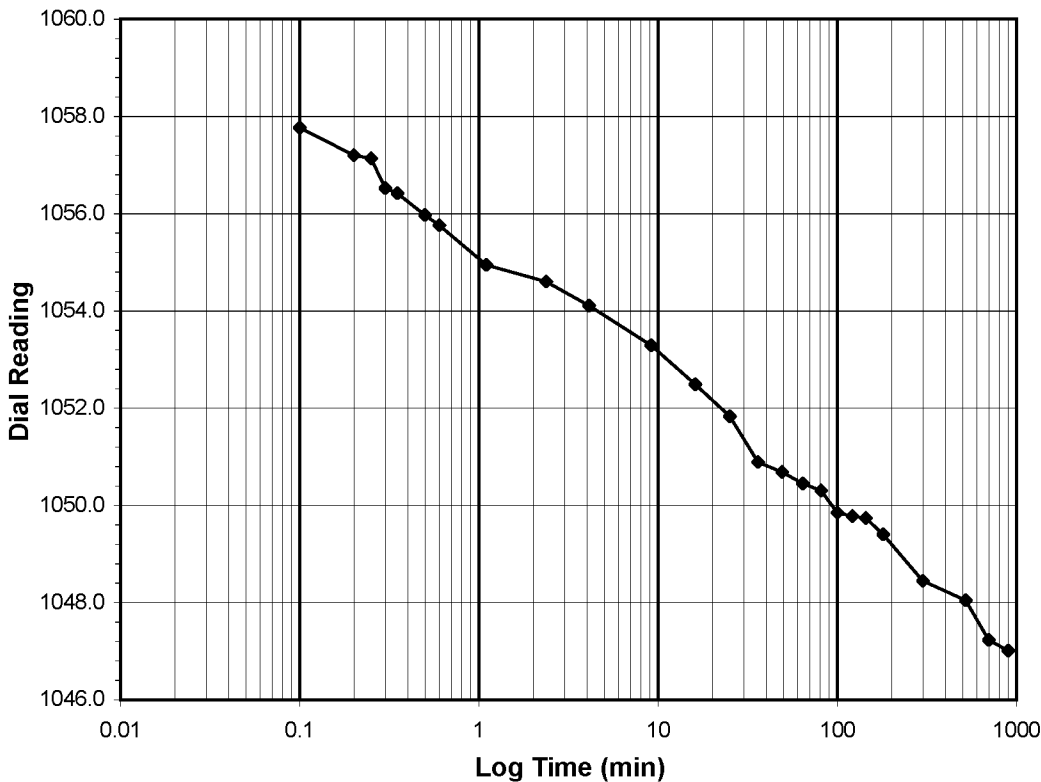
Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf) 8.0-2.0
Final Reading (div) 1047.0
 Consolidometer No. G1421
 1 Division (in) 0.0001

Start Date 11/17/13
 Start Time 0:07:39

Elapsed Time (min)	Dial Reading (div)
<i>Initial</i>	1133.7
0.10	1057.8
0.20	1057.2
0.25	1057.1
0.30	1056.5
0.35	1056.4
0.50	1056.0
0.60	1055.8
1.10	1054.9
2.37	1054.6
4.12	1054.1
9.12	1053.3
16.12	1052.5
25.12	1051.8
36.12	1050.9
49.12	1050.7
64.12	1050.4
81.12	1050.3
100.12	1049.8
121.12	1049.8
144.12	1049.7
180.12	1049.4
300.12	1048.4
520.12	1048.0
700.13	1047.2
900.33	1047.0



Tested By CLK Date 11/17/13 Checked By TM Date 12/5/13

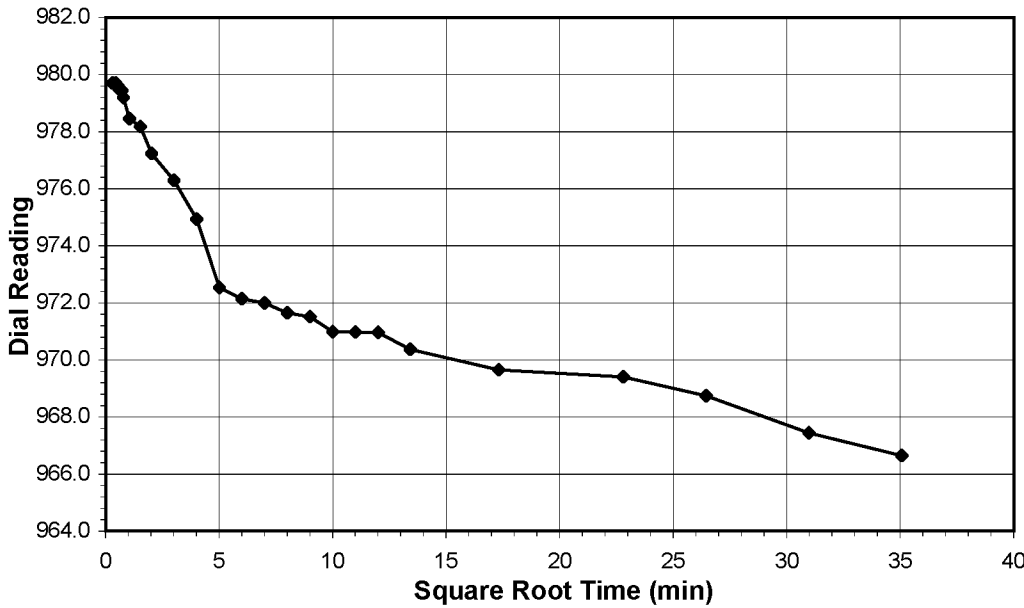
ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates
 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-023

Boring No. R-6-1b
 Depth (ft) 179.7-179.9
 Sample No. ST-9
 Visual Description Gray Silty Sand

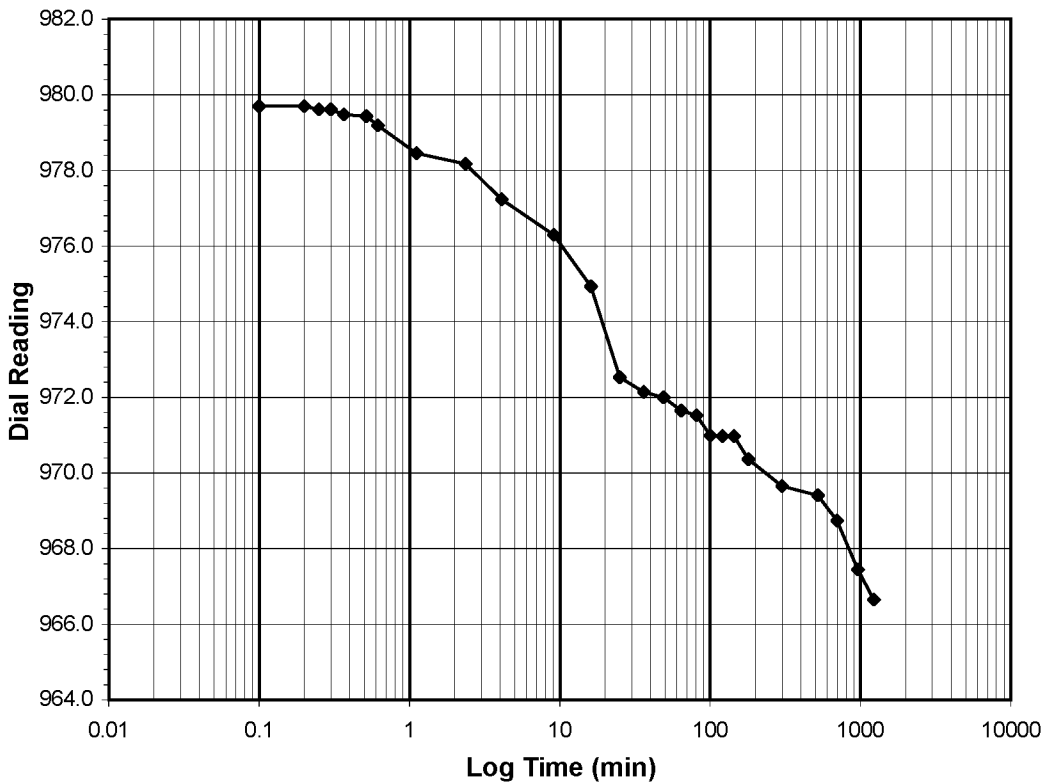
Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf) 2.0-0.5
Final Reading (div) 966.6
 Consolidometer No. **G1421**
 1 Division (in) 0.0001

Start Date 11/17/13
 Start Time 15:07:59

Elapsed Time (min)	Dial Reading (div)
Initial	1047.0
0.10	979.7
0.20	979.7
0.25	979.6
0.30	979.6
0.37	979.5
0.52	979.4
0.62	979.2
1.12	978.5
2.37	978.2
4.12	977.2
9.12	976.3
16.12	974.9
25.12	972.5
36.12	972.1
49.12	972.0
64.12	971.6
81.12	971.5
100.12	971.0
121.12	971.0
144.12	971.0
180.13	970.4
300.13	969.7
520.13	969.4
700.13	968.7
960.13	967.4
1230.00	966.6



Tested By **CLK** Date **11/17/13** Checked By **TM** Date **12/5/13**

ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client	Paul C. Rizzo & Associates	Boring No.	R-6-1b
Client Reference	Turkey Point Units 6 & 7 Site	Depth (ft)	179.7-179.9
Project No.	2013-465-001	Sample No.	ST-9
Lab ID	2013-465-001-023	Visual Description	Gray Silty Sand

Sample Conditions: Undisturbed, Inundated And Double Drained

Consolidometer No. G1421

1 Division = 0.0001 (in)

Sample Properties

Initial Final

Test Data Summary

Water Content

	Initial	Final	Applied Pressure (tsf)	Final Dial Reading (div)	Machine Deflection (div)	Corrected Reading (div)	Height of Sample (mm)	Volume (cm ³)	Dry Density (g/cm ³)	Void Ratio
Tare Number	2653	2730								
Wt. Tare & WS (g)	122.78	148.29								
Wt. Tare & DS (g)	95.05	116.10								
Wt. Water (g)	27.73	32.19	Seating	0	0	0	25.400	80.440	1.39576	0.89861
Wt. Tare (g)	6.64	6.71	0.25	37.5	17.7	19.8	25.350	80.281	1.39853	0.89485
Wt. DS (g)	88.41	109.39	0.5	72.0	26.9	45.1	25.285	80.077	1.40209	0.89004
Water Content (%)	31.37	29.43	1	110.9	36.4	74.4	25.211	79.841	1.40623	0.88447

Sample Parameters

Sample Diameter (in)	2.5	2.5	4	257.3	93.2	164.1	24.983	79.120	1.41905	0.86745
Sample Height (in)	1.0000	0.9070	1	201.2	48.6	152.6	25.012	79.212	1.41739	0.86963
Sample Volume (cm ³)	80.44	72.96	0.25	166.6	26.1	140.5	25.043	79.309	1.41565	0.87193
Wt. Wet Sample + Ring (g)	362.58	360.40	0.5	174.3	31.3	143.0	25.037	79.289	1.41601	0.87145
Wt. of Ring (g)	215.09	215.09	1	193.2	45.2	148.0	25.024	79.249	1.41673	0.87051
Wt. of Wet Sample (g)	147.49	145.31	2	218.4	64.7	153.7	25.010	79.204	1.41755	0.86943
Wet Density (pcf)	114.41	124.28	4	266.3	93.4	172.9	24.961	79.049	1.42031	0.86578
Wet Density (g/cm ³)	1.83	1.99	8	404.7	126.0	278.7	24.692	78.198	1.43577	0.84570
Water Content (%)	31.37	29.43	16	729.6	170.6	558.9	23.980	75.944	1.47840	0.79248
Wt. of Dry Sample (g)	112.27	112.27	32	1285.7	241.5	1044.3	22.748	72.040	1.55851	0.70034
Dry Density (pcf)	87.10	96.02	8	1133.7	140.4	993.3	22.877	72.449	1.54970	0.71001
Dry Density (g/cm ³)	1.40	1.54	2	1047.0	80.8	966.2	22.946	72.668	1.54504	0.71516
Void Ratio	0.8986	0.7221	0.5	966.6	36.9	929.7	23.039	72.961	1.53883	0.72209
Saturation (%)	92.50	107.99								
Specific Gravity	2.65	Measured								

Tested By CLK Date 11/7/13 Input Checked By TM Date 12/5/13

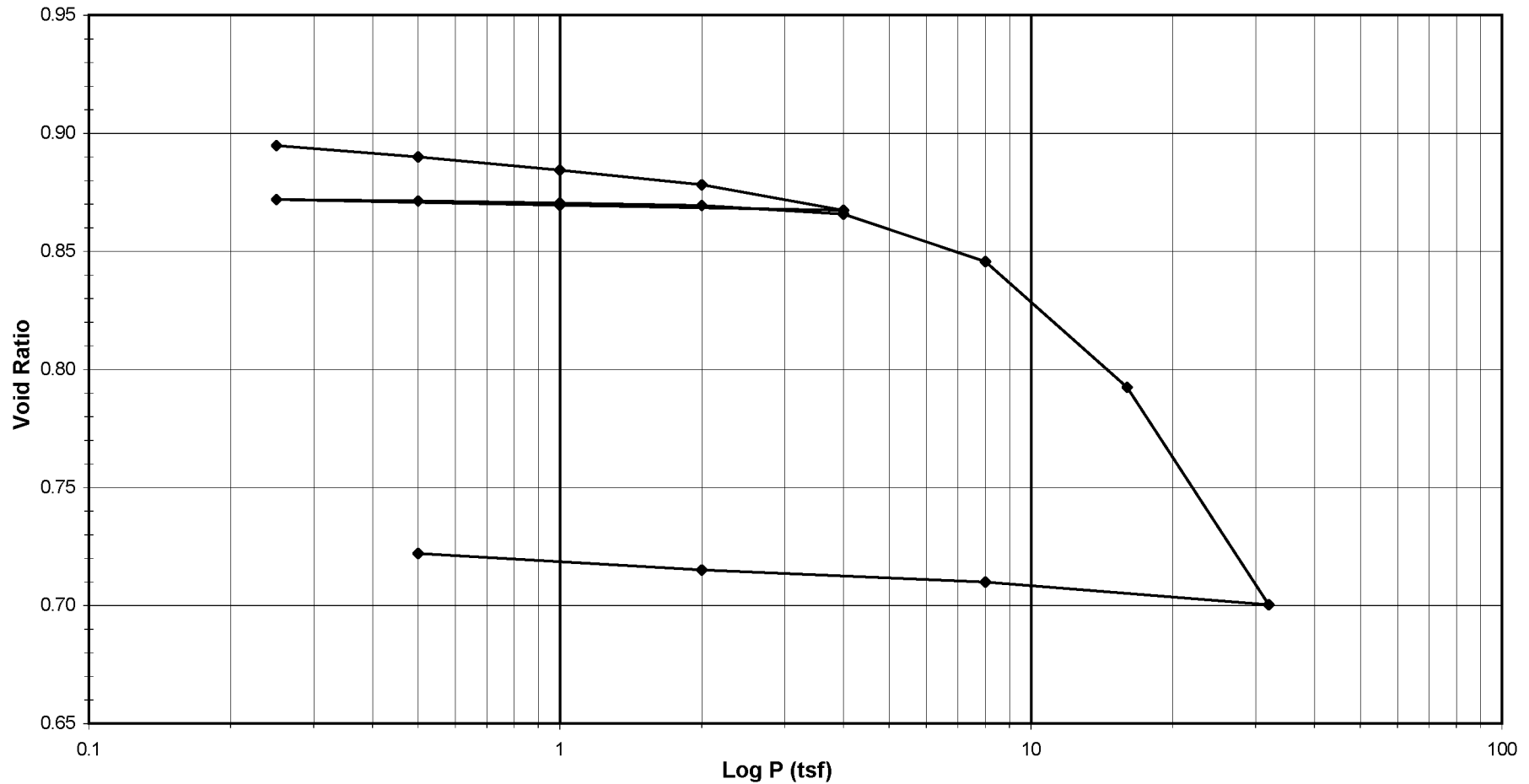
ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates
 Client Reference Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-023

Boring No. R-6-1b
 Depth (ft) 179.7-179.9
 Sample No. ST-9
 Visual Description Gray Silty Sand

Sample Conditions: Undisturbed, Inundated And Double Drained



Tested By CLK Date 11/7/13 Approved By RJO Date 12/5/13

DCN: CT-24 AutoT50-CV Date: 11/27/13 Revision: 0

CONSOL-Auto T50-Cv

ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client	Paul C. Rizzo & Associates	Boring No.	R-6-1b
Client Reference	Turkey Point Units 6 & 7 Site	Depth (ft)	179.7-179.9
Project No.	2013-465-001	Sample No.	ST-9
Lab ID	2013-465-001-023	Visual Description	Gray Silty Sand

Sample Conditions: Undisturbed, Inundated And Double Drained

Consolidometer No. G1421
1 Division = 0.0001 (in)

C_v Test Data Summary

Sample Properties	Initial	Final							
			Load Increment	Dial Reading @ t ₅₀	Machine Deflection	Corrected Dial Reading @ t ₅₀	Sample Height @ t ₅₀	Time t ₅₀	C _v
			(tsf)	(div)	(div)	(div)	(mm)	(min)	(cm ² /sec)
<i>Water Content</i>									
Tare Number	2653	2730							
Wt. Tare & WS (g)	122.78	148.29							
Wt. Tare & DS (g)	95.05	116.1							
Wt. Water (g)	27.73	32.19	Seating	NA	NA	NA	NA	NA	NA
Wt. Tare (g)	6.64	6.71	0.25	27.9	17.7	10.2	25.37	0.27	0.01950
Wt. DS (g)	88.41	109.39	0.5	54.1	26.9	27.2	25.33	0.24	0.02239
Water Content (%)	31.37	29.43	1	90.7	36.4	54.2	25.26	0.27	0.01963
			2	145.4	63.4	82.0	25.19	0.28	0.02441
			4	223.5	93.2	130.3	25.07	0.36	0.01436
<u>Sample Parameters</u>			1	NA	NA	NA	NA	NA	NA
Sample Diameter (in)	2.5	2.5	0.25	NA	NA	NA	NA	NA	NA
Sample Height (in)	1.0000	0.9070	0.5	172.8	31.3	141.5	25.04	0.14	0.03743
Sample Volume (cm ³)	80.44	72.96	1	188.6	45.2	143.4	25.04	0.22	0.02346
Wt. Wet Sample + Ring (g)	362.58	360.40	2	211.4	64.7	146.7	25.03	0.12	0.04438
Wt. of Ring (g)	215.09	215.09	4	249.6	93.4	156.2	25.00	0.26	0.01971
Wt. of Wet Sample (g)	147.49	145.31	8	338.9	126.0	212.9	24.86	0.17	0.02919
Wet Density (pcf)	114.41	124.28	16	570.0	170.6	399.4	24.39	0.13	0.03735
Wet Density (g/cm ³)	1.83	1.99	32	1085.7	241.5	844.2	23.26	0.17	0.02616
Water Content (%)	31.37	29.43	8	NA	NA	NA	NA	NA	NA
Wt. of Dry Sample (g)	112.27	112.27	2	NA	NA	NA	NA	NA	NA
Dry Density (pcf)	87.10	96.02	0.5	NA	NA	NA	NA	NA	NA
Dry Density (g/cm ³)	1.40	1.54							
Void Ratio	0.8986	0.7221							
Saturation (%)	92.50	107.99							
Specific Gravity	2.65	Measured							

Tested By CLK Date 11/7/13 Input Checked By TM Date 12/5/13

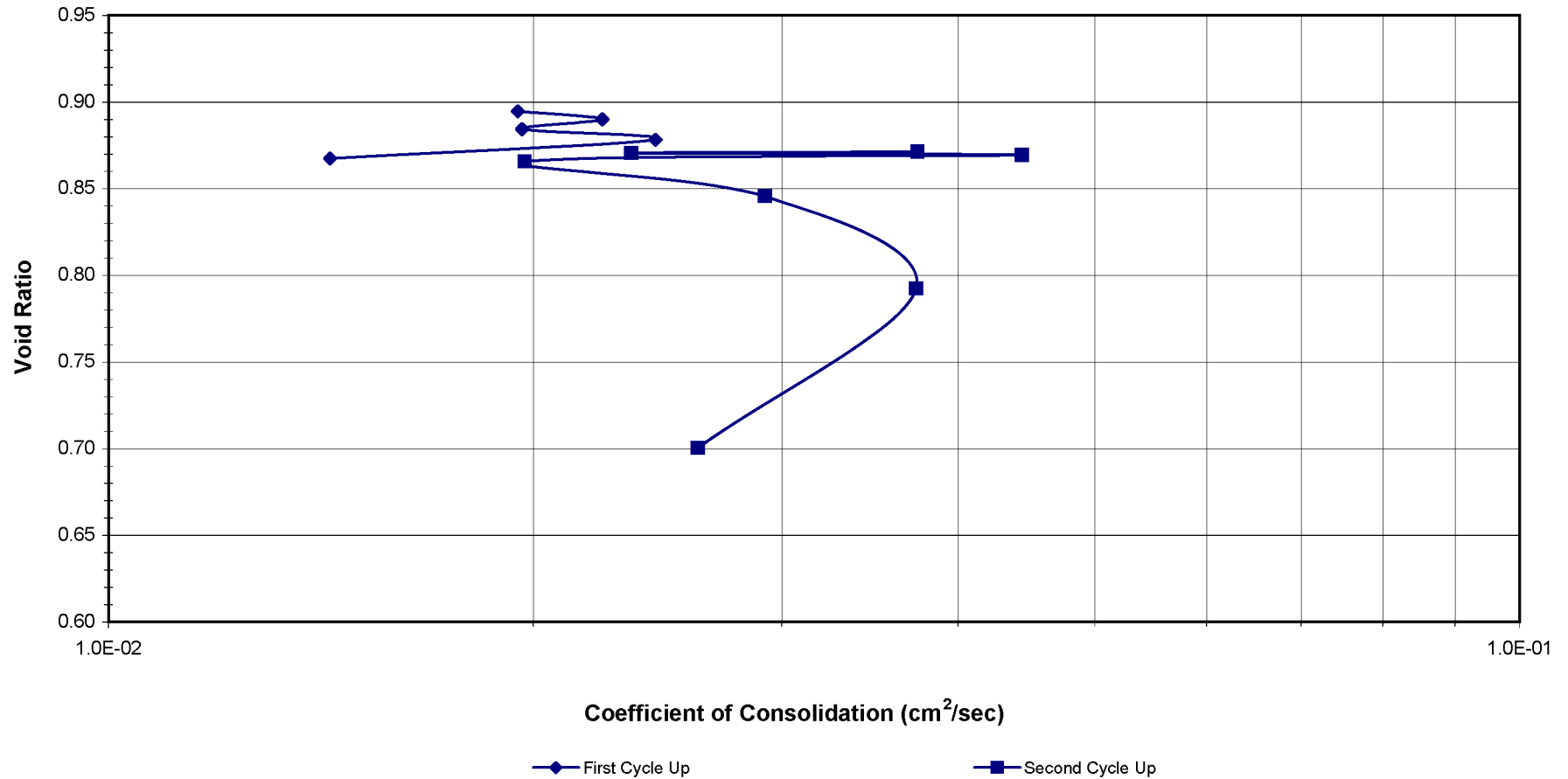
ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates
 Client Reference Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-023

Boring No. R-6-1b
 Depth (ft) 179.7-179.9
 Sample No. ST-9
 Visual Description Gray Silty Sand

Sample Conditions: Undisturbed, Inundated And Double Drained



Tested By CLK Date 11/7/13 Approved By RJO Date _____

DCN: CT-24 AutoT50-CV Date: 1127/13 Revision: 0

CONSOL-Auto T50-Cv

One Dimensional Consolidation

ASTM D2435 / D2435M-11

EQUIPMENT LIST

Client	Paul C. Rizzo & Associates	Boring No. R-6-1b
Client Reference	Turkey Point Units 6 & 7 Site	Depth (ft) 179.7-179.9
Project No.	2013-465-001	Sample No. ST-9
Lab ID #	2013-465-001-023	

Equipment	Equipment ID#	Calibration Due Date
Calipers	G1122	12/3/13
Balance	G1394	5/15/14
Oven	G1387	8/16/14
Consolidometer	G1421	1/9/14
Load Cell	G1422	1/9/14
LVDT	G1423	1/9/14

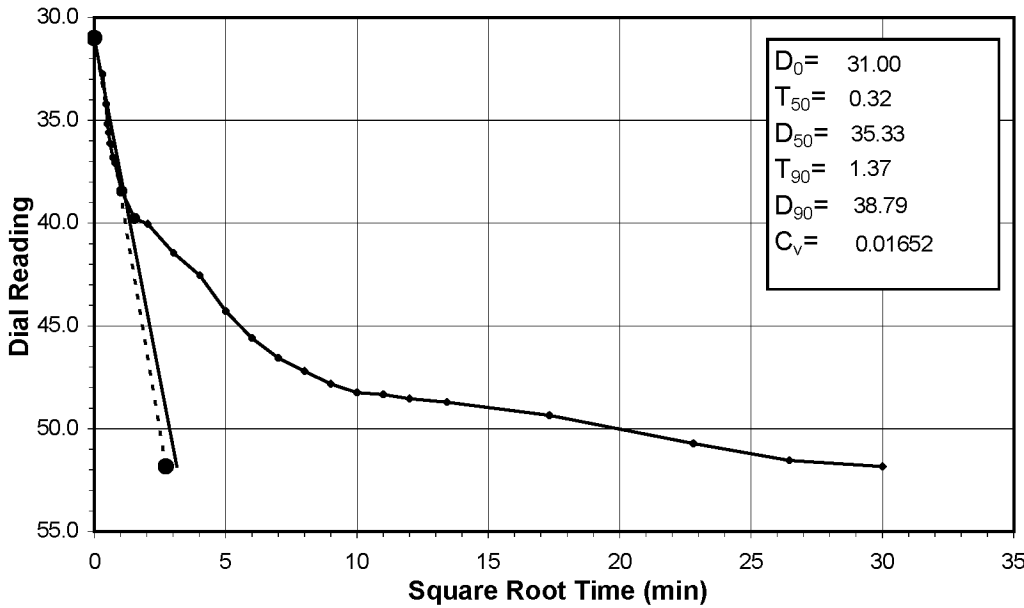
ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates
 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-027

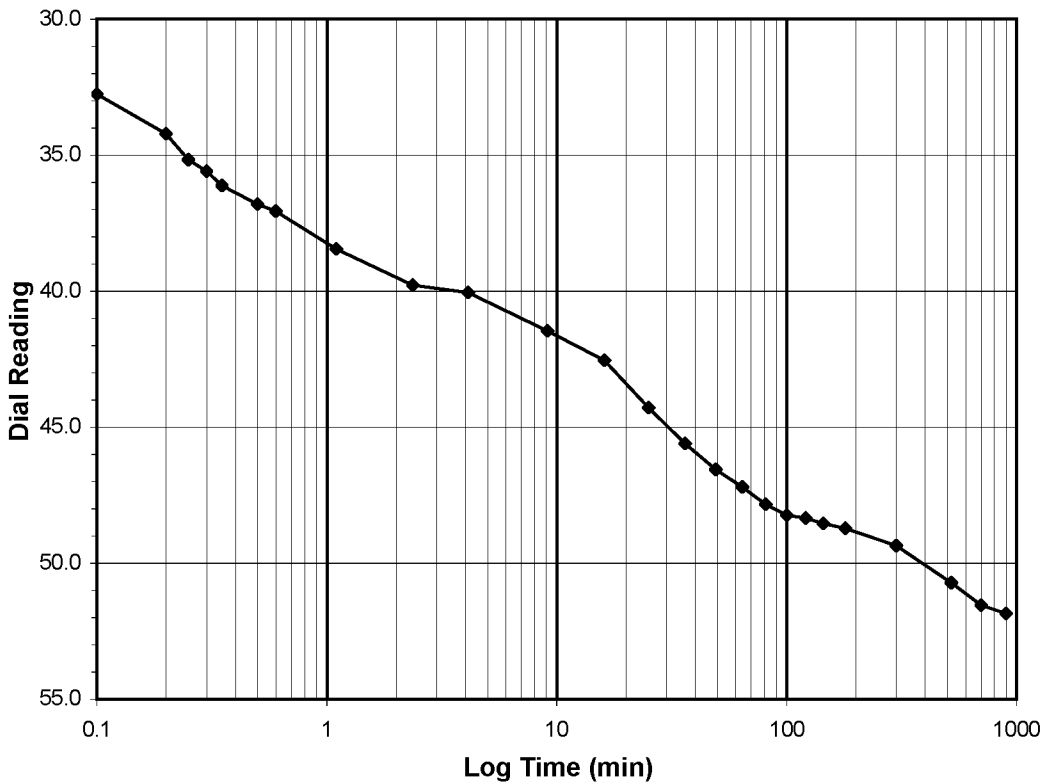
Boring No. R-6-1b
 Depth (ft) 209.2-209.4
 Sample No. ST-17
 Visual Description Gray Sandy Silt

Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf)	0.0-0.25
Final Reading (div)	51.8
Consolidometer No.	G1424
1 Division (in)	0.0001
Start Date	11/7/13
Start Time	16:12:02

Elapsed Time (min)	Dial Reading (div)
Initial	0.0
0.10	32.7
0.20	34.2
0.25	35.2
0.30	35.6
0.35	36.1
0.50	36.8
0.60	37.1
1.10	38.5
2.37	39.8
4.12	40.0
9.12	41.5
16.12	42.5
25.12	44.3
36.12	45.6
49.12	46.6
64.12	47.2
81.12	47.8
100.12	48.2
121.12	48.3
144.12	48.5
180.13	48.7
300.13	49.4
520.13	50.7
700.13	51.5
900.10	51.8



Tested By **DB** Date **11/7/13** Checked By **TM** Date **12/5/13**

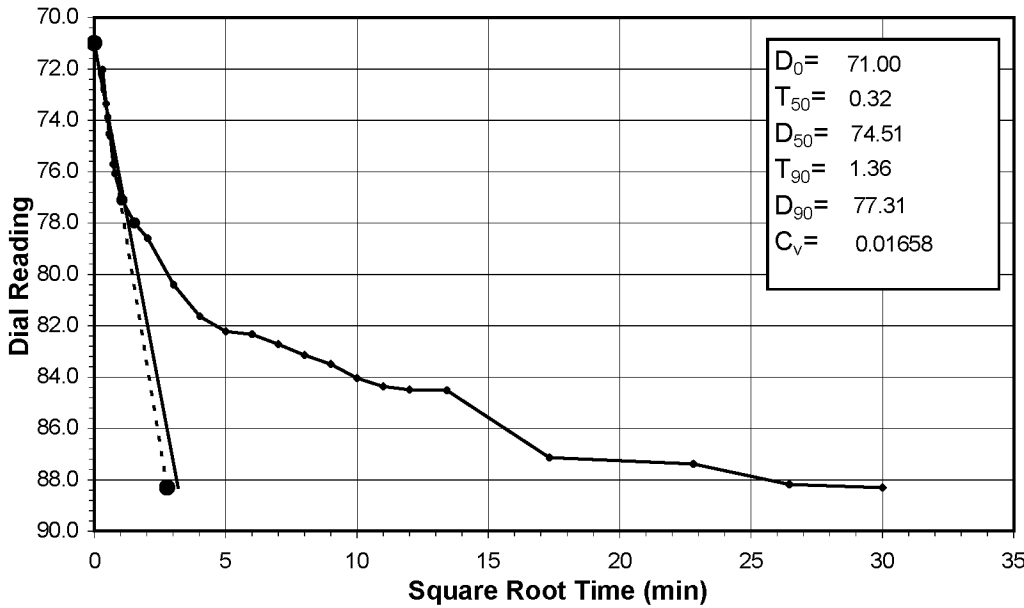
ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates
 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-027

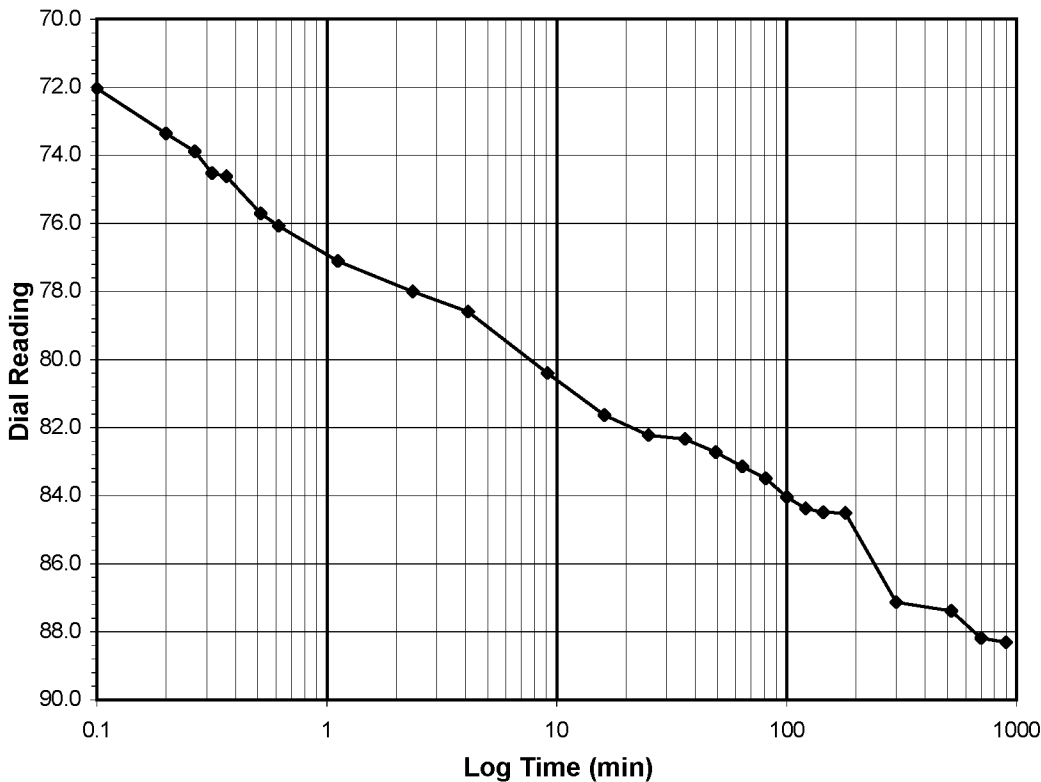
Boring No. R-6-1b
 Depth (ft) 209.2-209.4
 Sample No. ST-17
 Visual Description Gray Sandy Silt

Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf)	0.25-0.5
Final Reading (div)	88.3
Consolidometer No.	G1424
1 Division (in)	0.0001
Start Date	11/8/13
Start Time	7:12:08

Elapsed Time (min)	Dial Reading (div)
Initial	51.8
0.10	72.0
0.20	73.4
0.27	73.9
0.32	74.5
0.37	74.6
0.52	75.7
0.62	76.1
1.12	77.1
2.37	78.0
4.12	78.6
9.12	80.4
16.12	81.6
25.12	82.2
36.12	82.3
49.12	82.7
64.13	83.1
81.13	83.5
100.13	84.0
121.13	84.4
144.13	84.5
180.13	84.5
300.13	87.1
520.13	87.4
700.13	88.2
900.08	88.3



Tested By **DB** Date **11/8/13** Checked By **TM** Date **12/5/13**

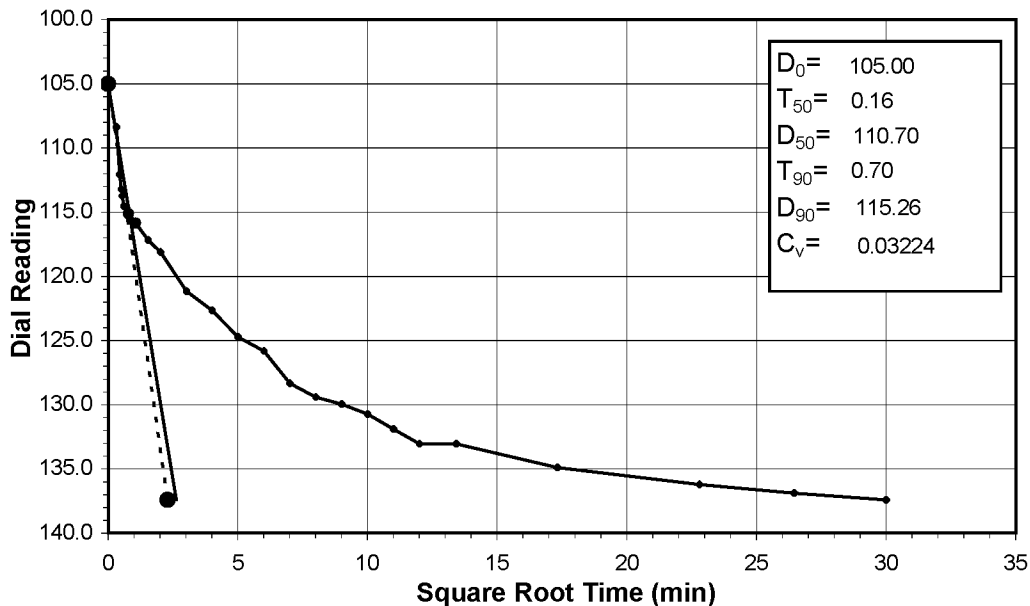
ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates
 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-027

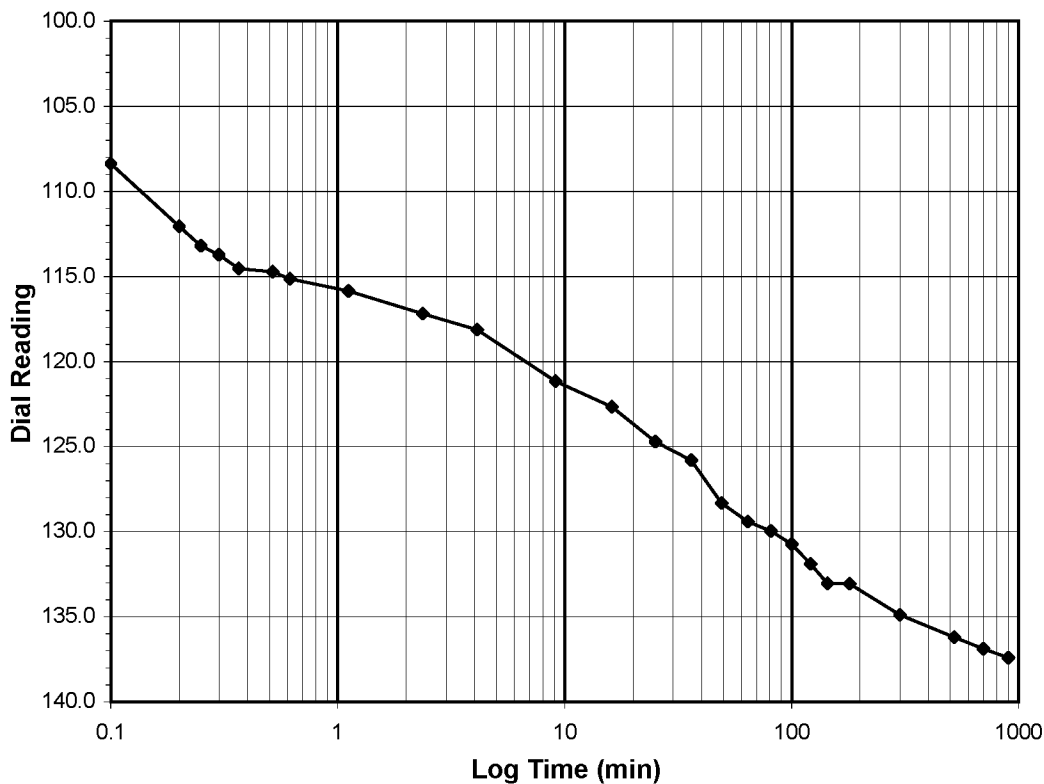
Boring No. R-6-1b
 Depth (ft) 209.2-209.4
 Sample No. ST-17
 Visual Description Gray Sandy Silt

Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf)	0.5-1.0
Final Reading (div)	137.4
Consolidometer No.	G1424
1 Division (in)	0.0001
Start Date	11/8/13
Start Time	22:12:13

Elapsed Time (min)	Dial Reading (div)
Initial	88.3
0.10	108.4
0.20	112.1
0.25	113.2
0.30	113.7
0.37	114.5
0.52	114.7
0.62	115.1
1.12	115.8
2.37	117.2
4.12	118.1
9.12	121.1
16.12	122.7
25.12	124.7
36.12	125.8
49.12	128.3
64.13	129.4
81.13	130.0
100.13	130.7
121.13	131.9
144.13	133.0
180.13	133.1
300.13	134.9
520.13	136.2
700.13	136.9
900.03	137.4



Tested By **DB** Date **11/8/13** Checked By **TM** Date **12/5/13**

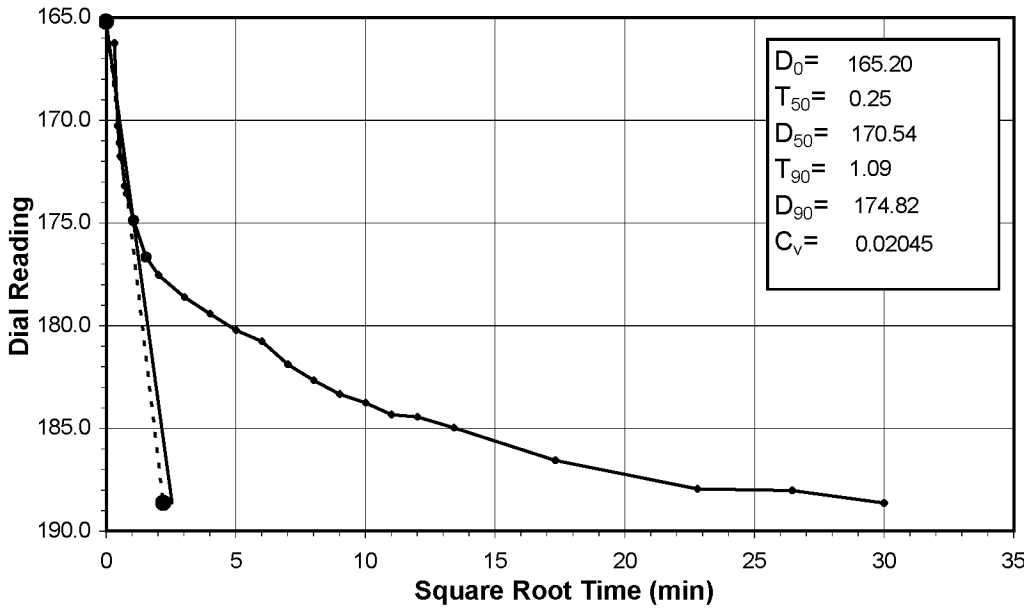
ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates
 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-027

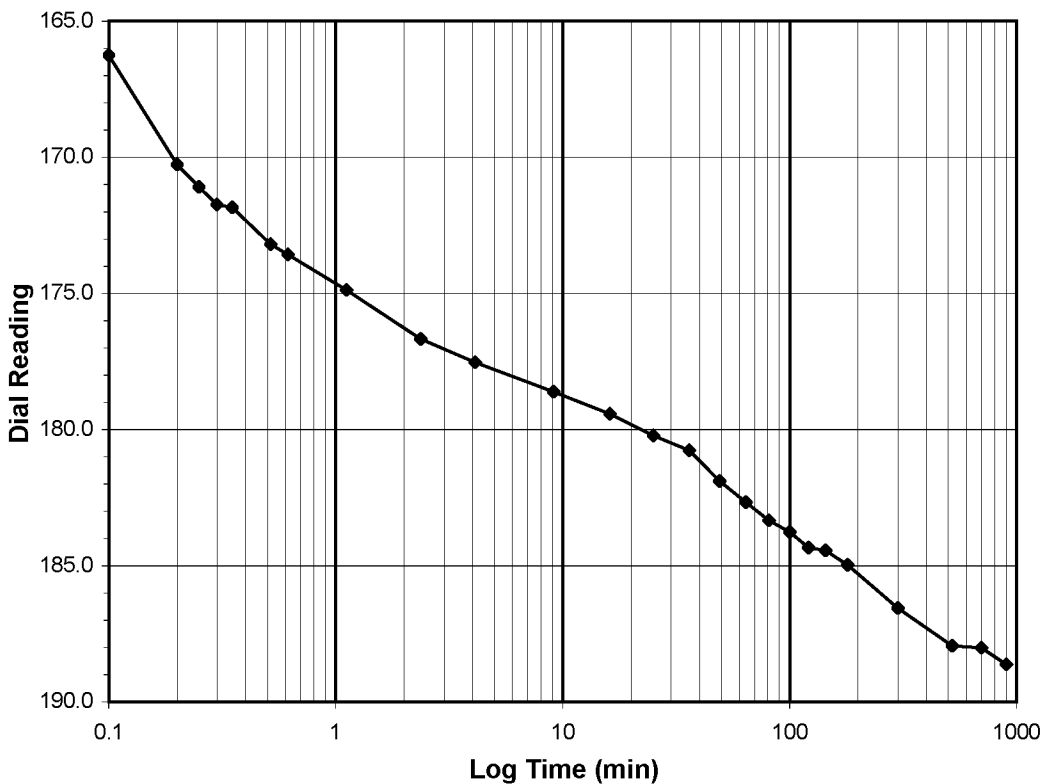
Boring No. R-6-1b
 Depth (ft) 209.2-209.4
 Sample No. ST-17
 Visual Description Gray Sandy Silt

Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf)	1.0-2.0
Final Reading (div)	188.6
Consolidometer No.	G1424
1 Division (in)	0.0001
<hr/>	
Start Date	11/9/13
Start Time	13:12:15

Elapsed Time (min)	Dial Reading (div)
<hr/>	
Initial	137.4
0.10	166.2
0.20	170.3
0.25	171.1
0.30	171.7
0.35	171.8
0.52	173.2
0.62	173.6
1.12	174.9
2.37	176.7
4.12	177.5
9.12	178.6
16.12	179.4
25.12	180.2
36.12	180.8
49.12	181.9
64.12	182.7
81.12	183.3
100.12	183.8
121.12	184.3
144.12	184.4
180.12	185.0
300.12	186.6
520.12	187.9
700.12	188.0
900.25	188.6



Tested By **DB** Date **11/9/13** Checked By **TM** Date **12/5/13**

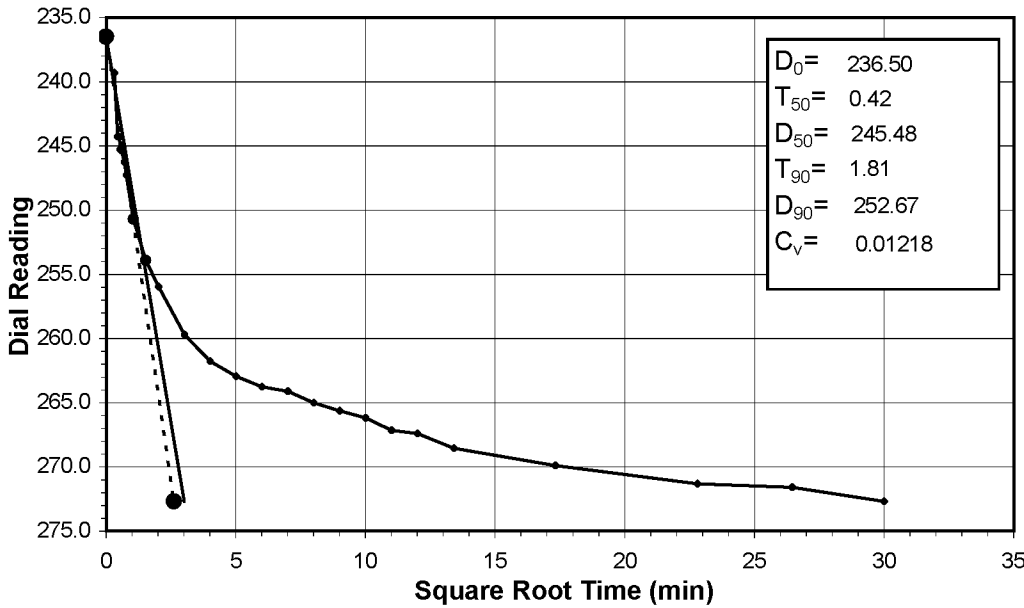
ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates
 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-027

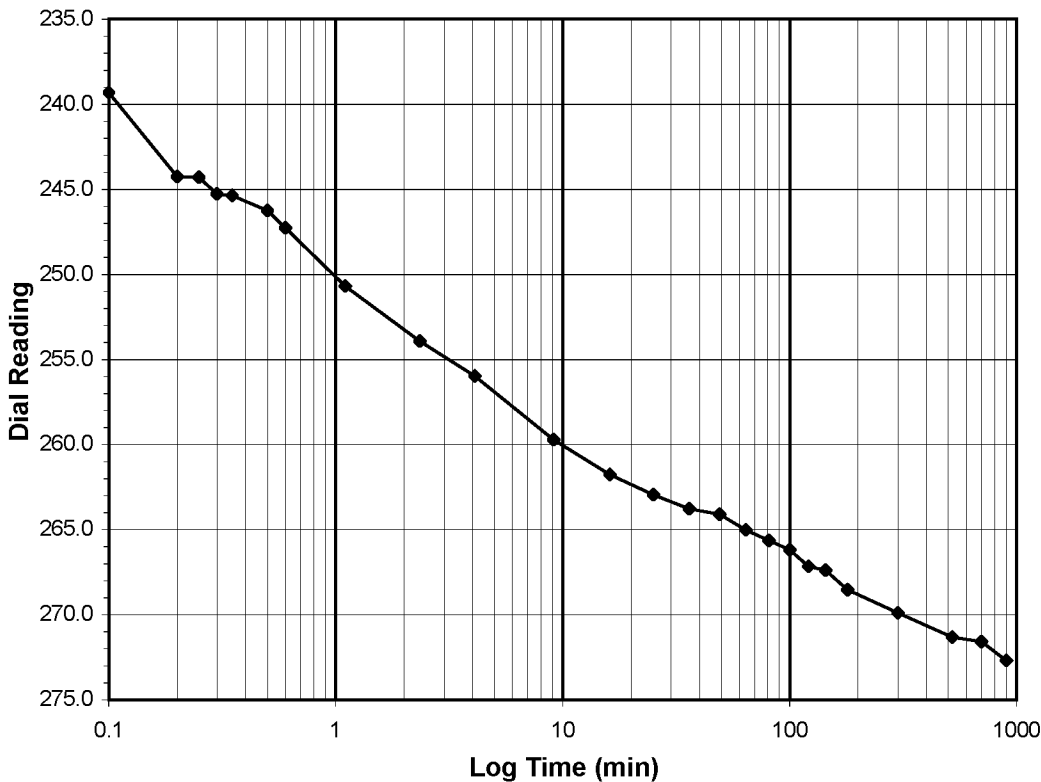
Boring No. R-6-1b
 Depth (ft) 209.2-209.4
 Sample No. ST-17
 Visual Description Gray Sandy Silt

Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf)	2.0-4.0
Final Reading (div)	272.7
Consolidometer No.	G1424
1 Division (in)	0.0001
Start Date	11/10/13
Start Time	4:12:30

Elapsed Time (min)	Dial Reading (div)
Initial	188.6
0.10	239.3
0.20	244.3
0.25	244.3
0.30	245.3
0.35	245.4
0.50	246.2
0.60	247.3
1.10	250.7
2.35	253.9
4.10	256.0
9.12	259.7
16.12	261.8
25.12	262.9
36.12	263.8
49.12	264.1
64.12	265.0
81.12	265.6
100.12	266.2
121.12	267.2
144.12	267.4
180.12	268.5
300.12	269.9
520.13	271.3
700.13	271.6
900.07	272.7



Tested By **DB** Date **11/10/13** Checked By **TM** Date **12/5/13**

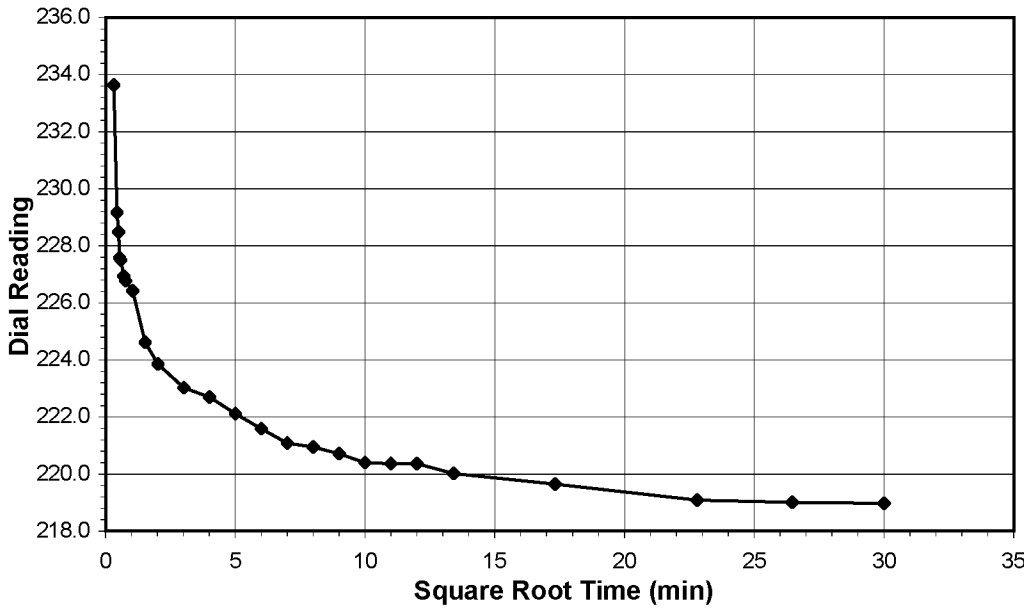
ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates
 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-027

Boring No. R-6-1b
 Depth (ft) 209.2-209.4
 Sample No. ST-17
 Visual Description Gray Sandy Silt

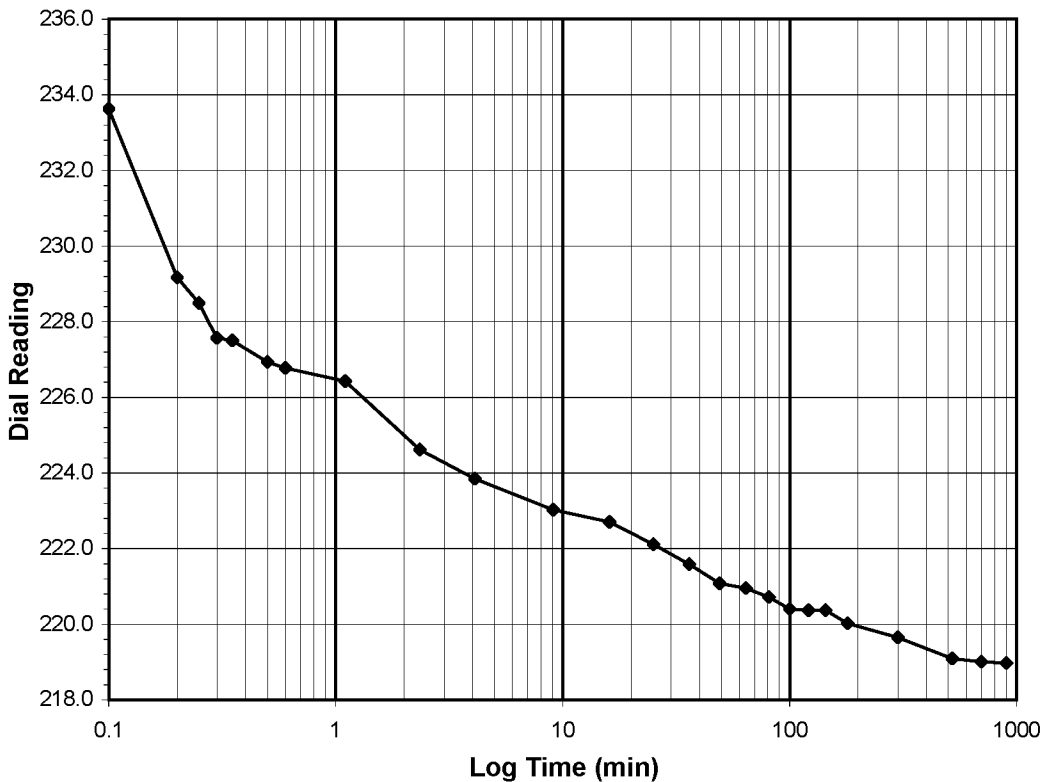
Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf) 4.0-1.0
Final Reading (div) 219.0
 Consolidometer No. G1424
 1 Division (in) 0.0001

Start Date 11/10/13
 Start Time 19:12:35

Elapsed Time (min)	Dial Reading (div)
Initial	272.7
0.10	233.6
0.20	229.2
0.25	228.5
0.30	227.6
0.35	227.5
0.50	226.9
0.60	226.8
1.10	226.4
2.35	224.6
4.10	223.9
9.10	223.0
16.10	222.7
25.10	222.1
36.10	221.6
49.10	221.1
64.10	221.0
81.10	220.7
100.10	220.4
121.10	220.4
144.12	220.4
180.12	220.0
300.12	219.6
520.12	219.1
700.12	219.0
900.47	219.0



Tested By DB Date 11/10/13 Checked By TM Date 12/5/13

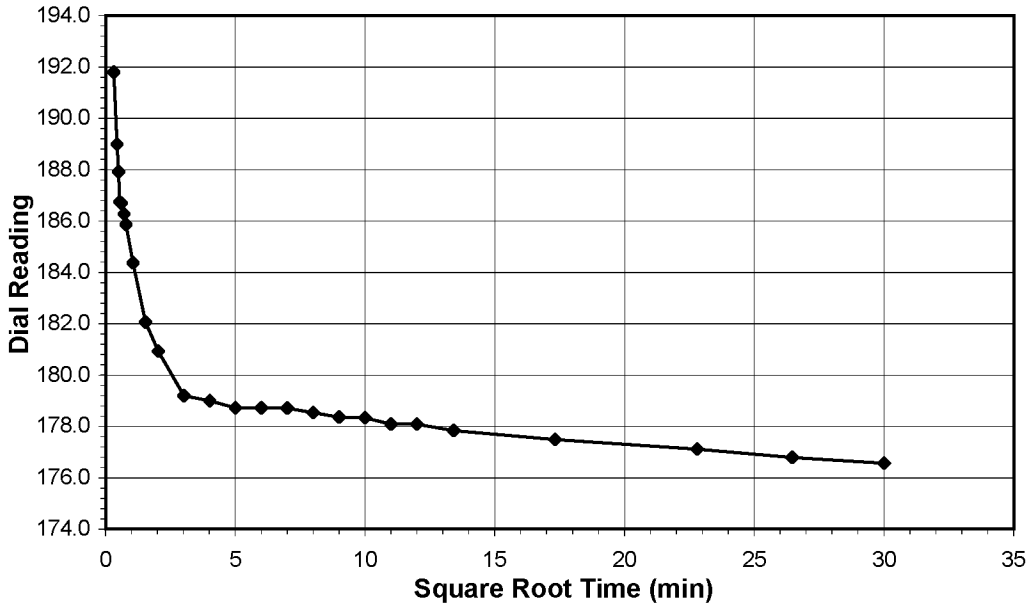
ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates
 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-027

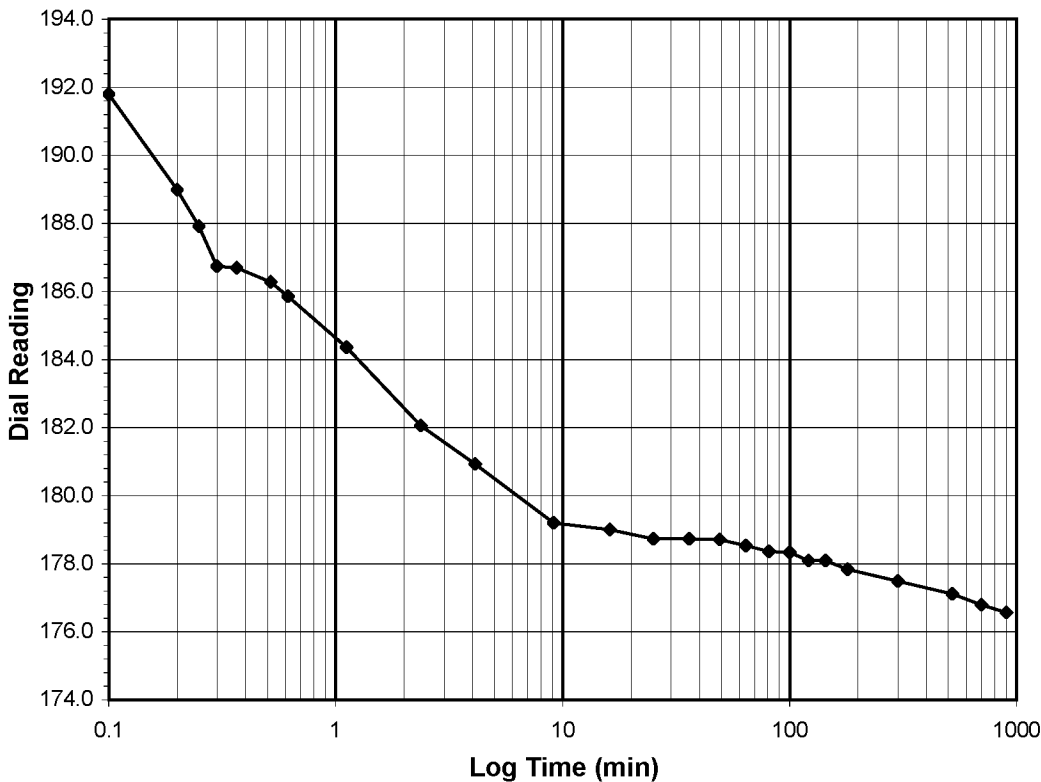
Boring No. R-6-1b
 Depth (ft) 209.2-209.4
 Sample No. ST-17
 Visual Description Gray Sandy Silt

Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf)	1.0-0.25
Final Reading (div)	176.6
Consolidometer No.	G1424
1 Division (in)	0.0001
Start Date	11/11/13
Start Time	10:13:03

Elapsed Time (min)	Dial Reading (div)
Initial	219.0
0.10	191.8
0.20	189.0
0.25	187.9
0.30	186.7
0.37	186.7
0.52	186.3
0.62	185.9
1.12	184.4
2.37	182.1
4.12	180.9
9.12	179.2
16.12	179.0
25.12	178.7
36.12	178.7
49.12	178.7
64.12	178.5
81.12	178.4
100.13	178.3
121.13	178.1
144.13	178.1
180.13	177.8
300.13	177.5
520.13	177.1
700.13	176.8
900.27	176.6



Tested By **DB** Date **11/11/13** Checked By **TM** Date **12/5/13**

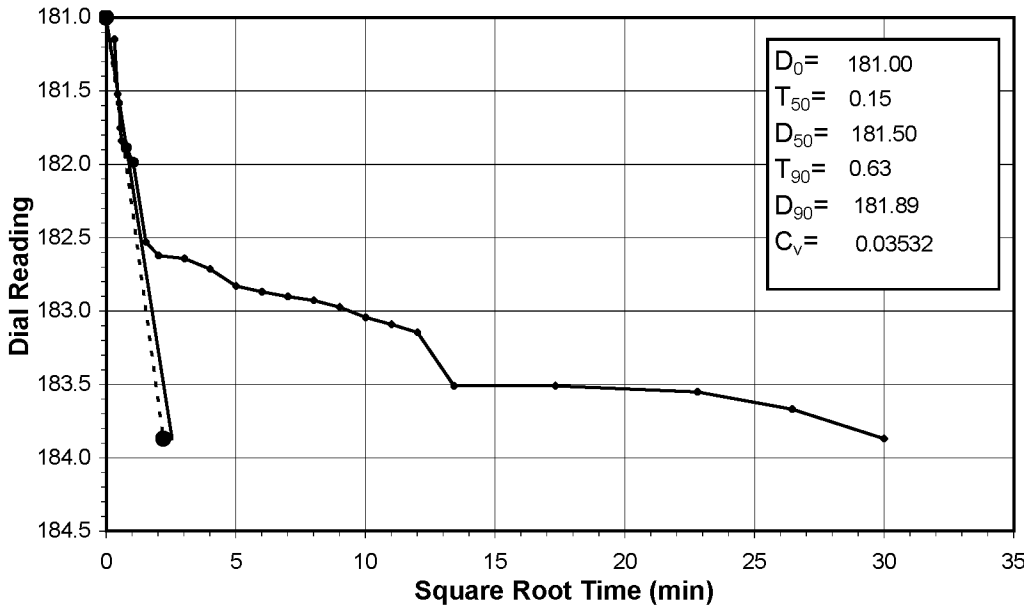
ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates
 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-027

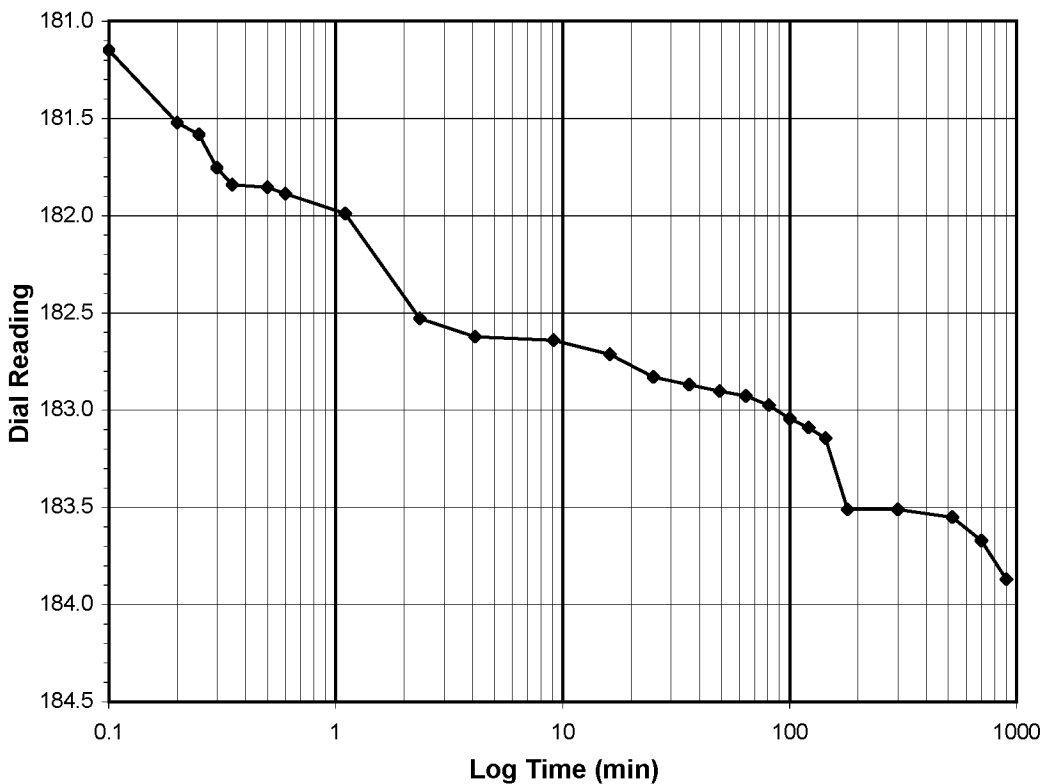
Boring No. R-6-1b
 Depth (ft) 209.2-209.4
 Sample No. ST-17
 Visual Description Gray Sandy Silt

Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf)	0.25-0.5
Final Reading (div)	183.9
Consolidometer No.	G1424
1 Division (in)	0.0001
Start Date	11/12/13
Start Time	1:13:19

Elapsed Time (min)	Dial Reading (div)
Initial	176.6
0.10	181.1
0.20	181.5
0.25	181.6
0.30	181.8
0.35	181.8
0.50	181.9
0.60	181.9
1.10	182.0
2.35	182.5
4.12	182.6
9.12	182.6
16.12	182.7
25.12	182.8
36.12	182.9
49.12	182.9
64.12	182.9
81.12	183.0
100.12	183.0
121.12	183.1
144.12	183.1
180.12	183.5
300.12	183.5
520.13	183.6
700.13	183.7
900.18	183.9



Tested By **DB** Date **11/12/13** Checked By **TM** Date **12/5/13**

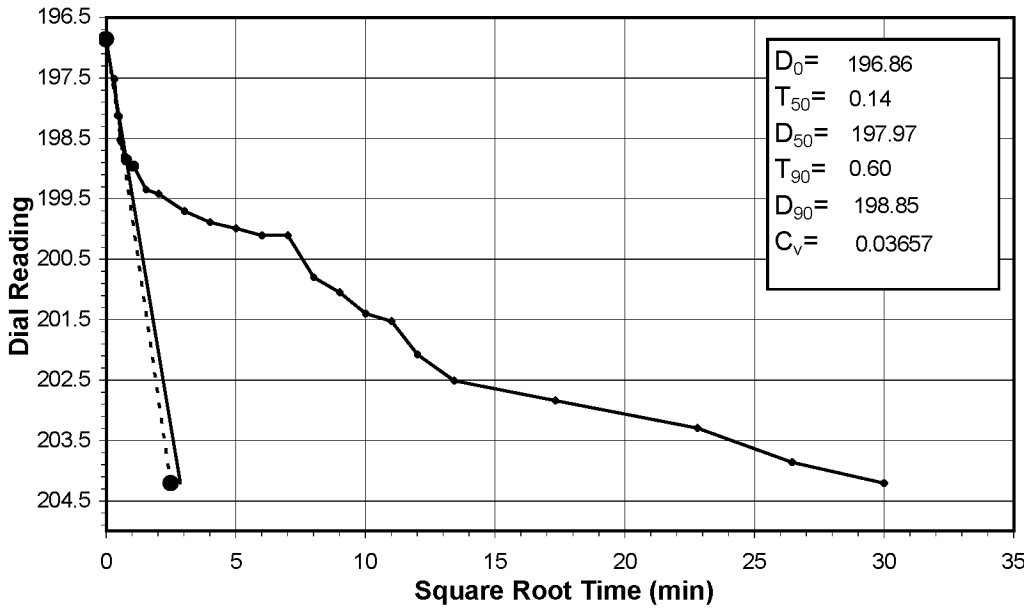
ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates
 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-027

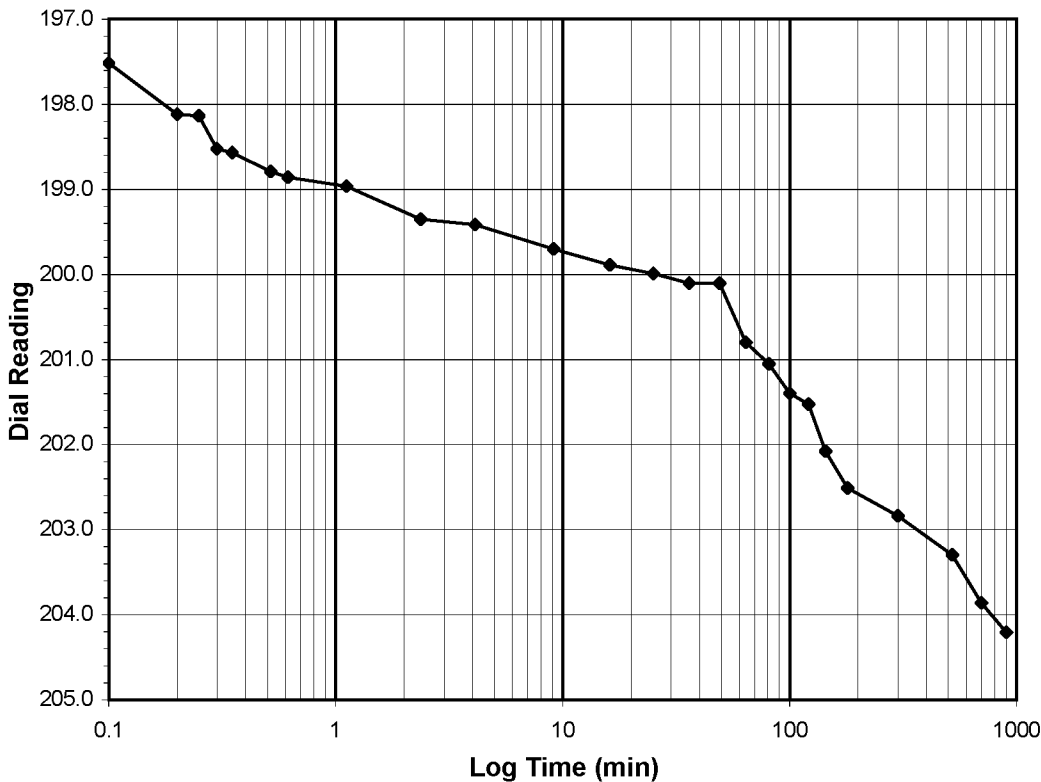
Boring No. R-6-1b
 Depth (ft) 209.2-209.4
 Sample No. ST-17
 Visual Description Gray Sandy Silt

Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf)	0.5-1.0
Final Reading (div)	204.2
Consolidometer No.	G1424
1 Division (in)	0.0001
Start Date	11/12/13
Start Time	16:13:30

Elapsed Time (min)	Dial Reading (div)
Initial	183.9
0.10	197.5
0.20	198.1
0.25	198.1
0.30	198.5
0.35	198.6
0.52	198.8
0.62	198.9
1.12	199.0
2.37	199.4
4.12	199.4
9.12	199.7
16.12	199.9
25.12	200.0
36.12	200.1
49.12	200.1
64.12	200.8
81.13	201.1
100.13	201.4
121.13	201.5
144.13	202.1
180.13	202.5
300.13	202.8
520.13	203.3
700.13	203.9
900.12	204.2



Tested By **DB** Date **11/12/13** Checked By **TM** Date **12/5/13**

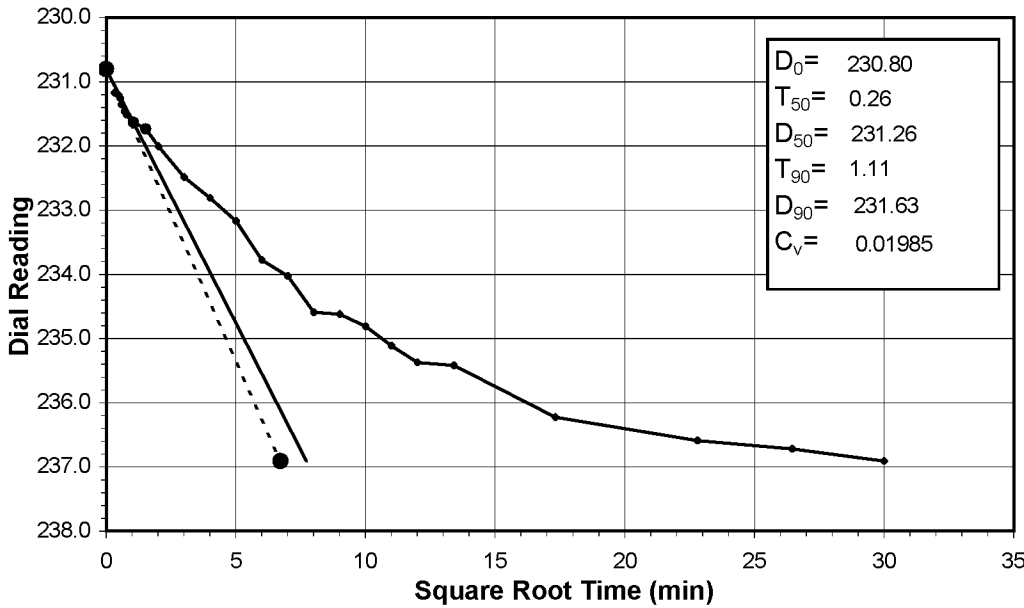
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Client Paul C. Rizzo & Associates
 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-027

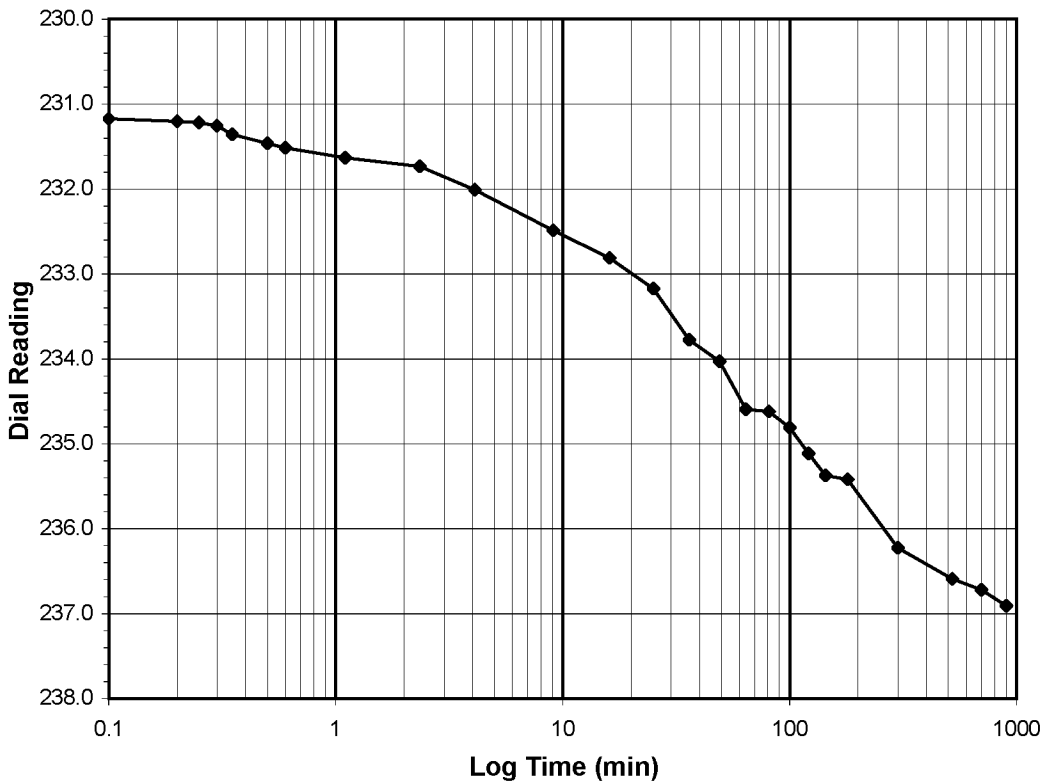
Boring No. R-6-1b
 Depth (ft) 209.2-209.4
 Sample No. ST-17
 Visual Description Gray Sandy Silt

Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf)	1.0-2.0
Final Reading (div)	236.9
Consolidometer No.	G1424
1 Division (in)	0.0001
Start Date	11/13/13
Start Time	7:13:38

Elapsed Time (min)	Dial Reading (div)
Initial	204.2
0.10	231.2
0.20	231.2
0.25	231.2
0.30	231.3
0.35	231.4
0.50	231.5
0.60	231.5
1.10	231.6
2.35	231.7
4.10	232.0
9.10	232.5
16.10	232.8
25.10	233.2
36.12	233.8
49.12	234.0
64.12	234.6
81.12	234.6
100.12	234.8
121.12	235.1
144.12	235.4
180.12	235.4
300.12	236.2
520.12	236.6
700.13	236.7
900.10	236.9



Tested By **DB** Date **11/13/13** Checked By **TM** Date **12/5/13**

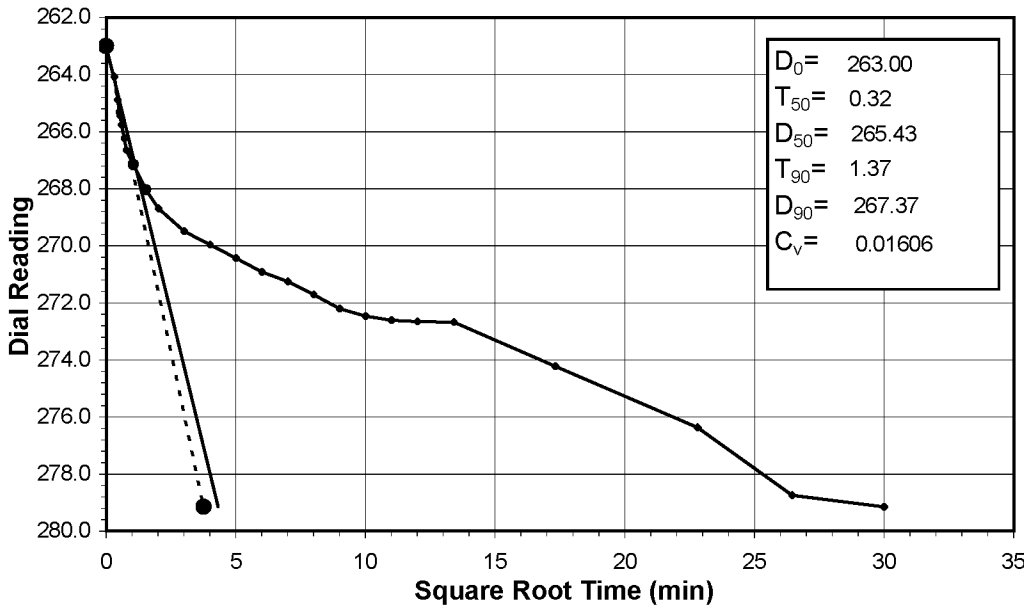
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 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-027

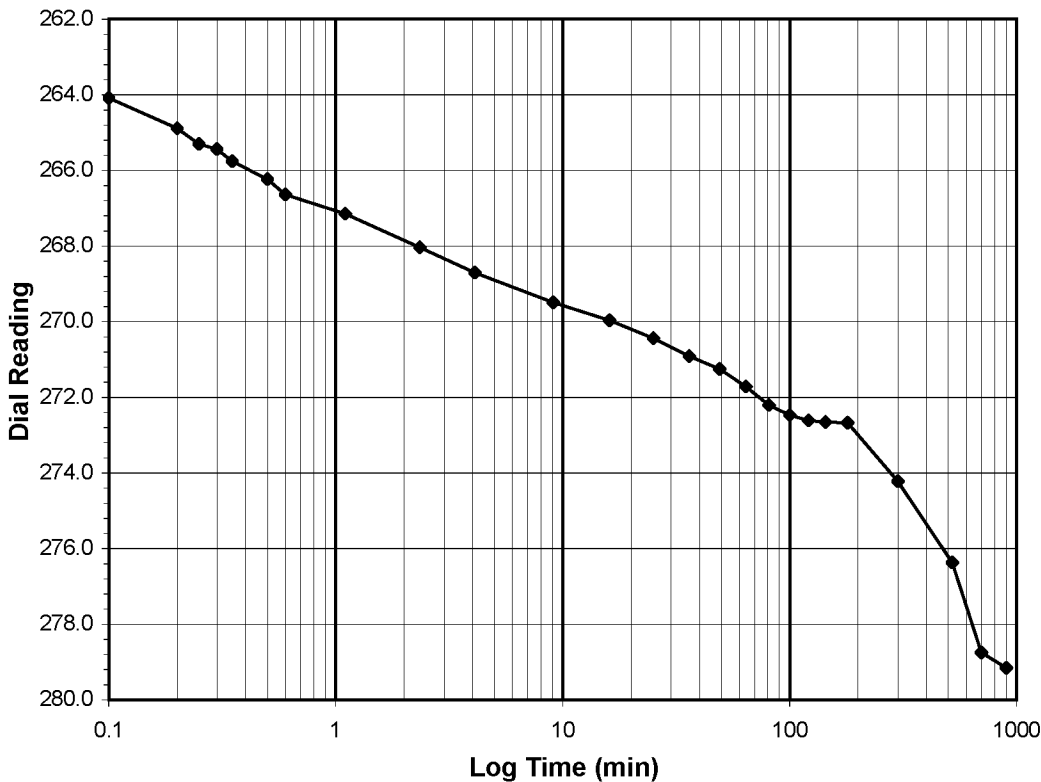
Boring No. R-6-1b
 Depth (ft) 209.2-209.4
 Sample No. ST-17
 Visual Description Gray Sandy Silt

Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf)	2.0-4.0
Final Reading (div)	279.2
Consolidometer No.	G1424
1 Division (in)	0.0001
Start Date	11/13/13
Start Time	22:13:45

Elapsed Time (min)	Dial Reading (div)
Initial	236.9
0.10	264.1
0.20	264.9
0.25	265.3
0.30	265.4
0.35	265.8
0.50	266.2
0.60	266.6
1.10	267.1
2.35	268.0
4.10	268.7
9.10	269.5
16.10	270.0
25.10	270.4
36.10	270.9
49.10	271.2
64.10	271.7
81.10	272.2
100.10	272.5
121.10	272.6
144.10	272.7
180.10	272.7
300.10	274.2
520.10	276.4
700.12	278.7
900.12	279.2



Tested By **DB** Date **11/13/13** Checked By **TM** Date **12/5/13**

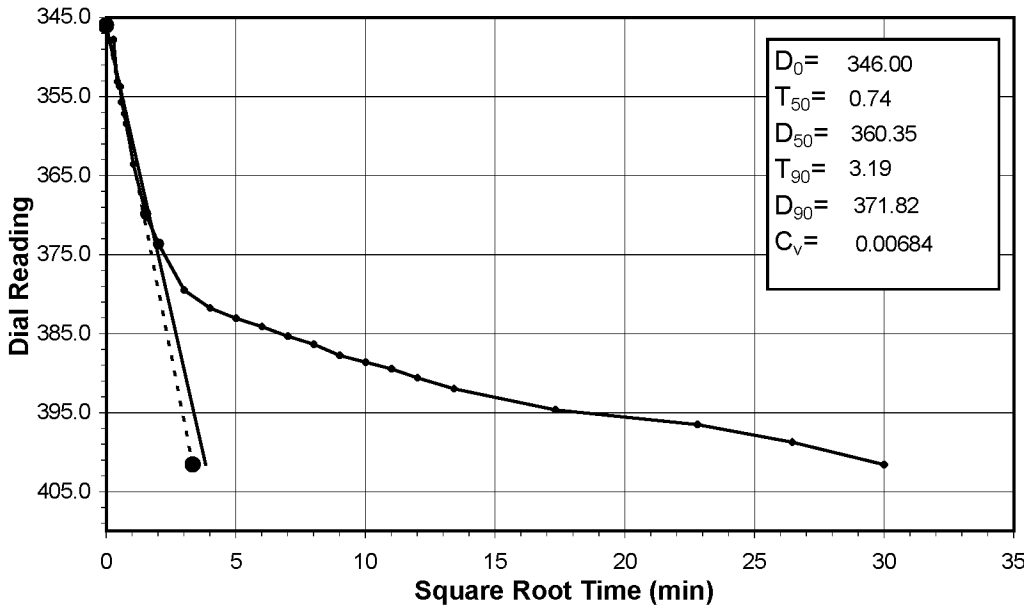
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ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates
 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-027

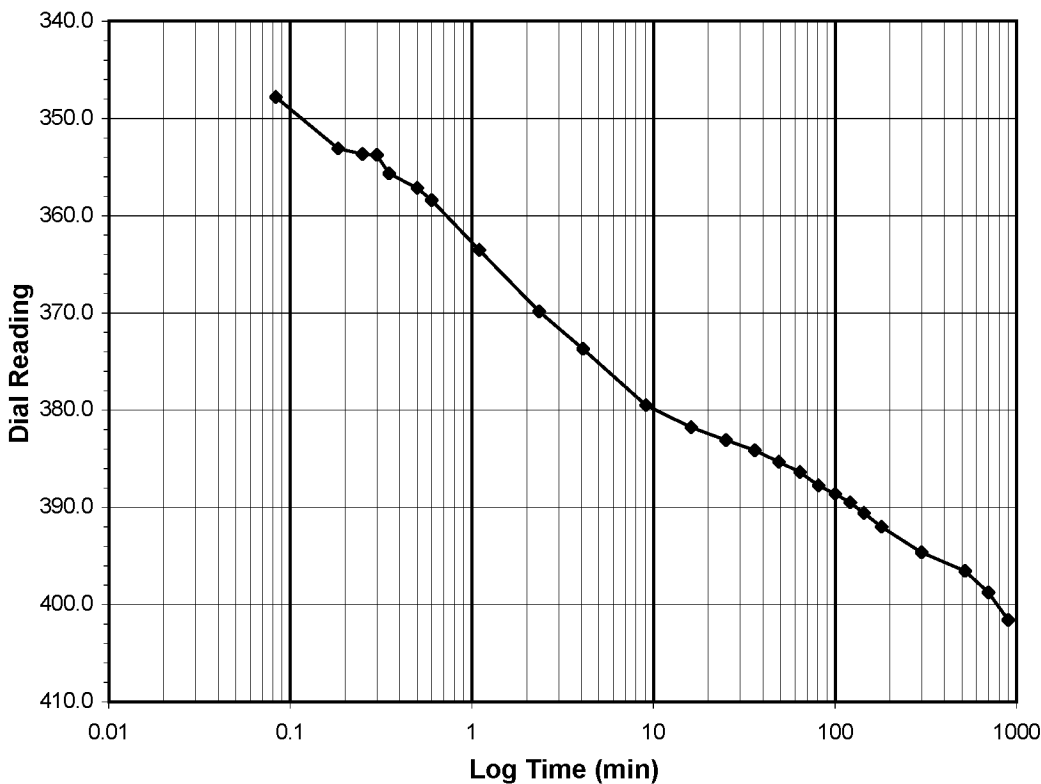
Boring No. R-6-1b
 Depth (ft) 209.2-209.4
 Sample No. ST-17
 Visual Description Gray Sandy Silt

Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf)	4.0-8.0
Final Reading (div)	401.6
Consolidometer No.	G1424
1 Division (in)	0.0001
Start Date	11/14/13
Start Time	13:13:52

Elapsed Time (min)	Dial Reading (div)
Initial	279.2
0.08	347.8
0.18	353.1
0.25	353.7
0.30	353.8
0.35	355.7
0.50	357.1
0.60	358.4
1.10	363.5
2.35	369.9
4.10	373.7
9.10	379.5
16.10	381.8
25.10	383.1
36.12	384.1
49.12	385.3
64.12	386.4
81.12	387.7
100.12	388.6
121.12	389.5
144.12	390.6
180.12	392.0
300.12	394.6
520.12	396.5
700.12	398.7
900.20	401.6



Tested By **DB** Date **11/14/13** Checked By **TM** Date **12/5/13**

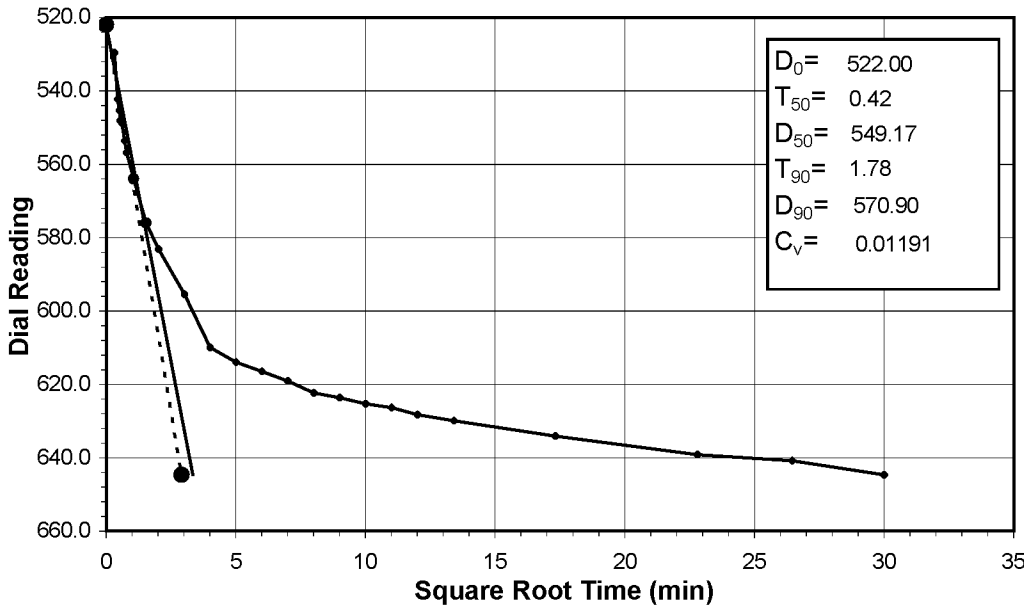
ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates
 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-027

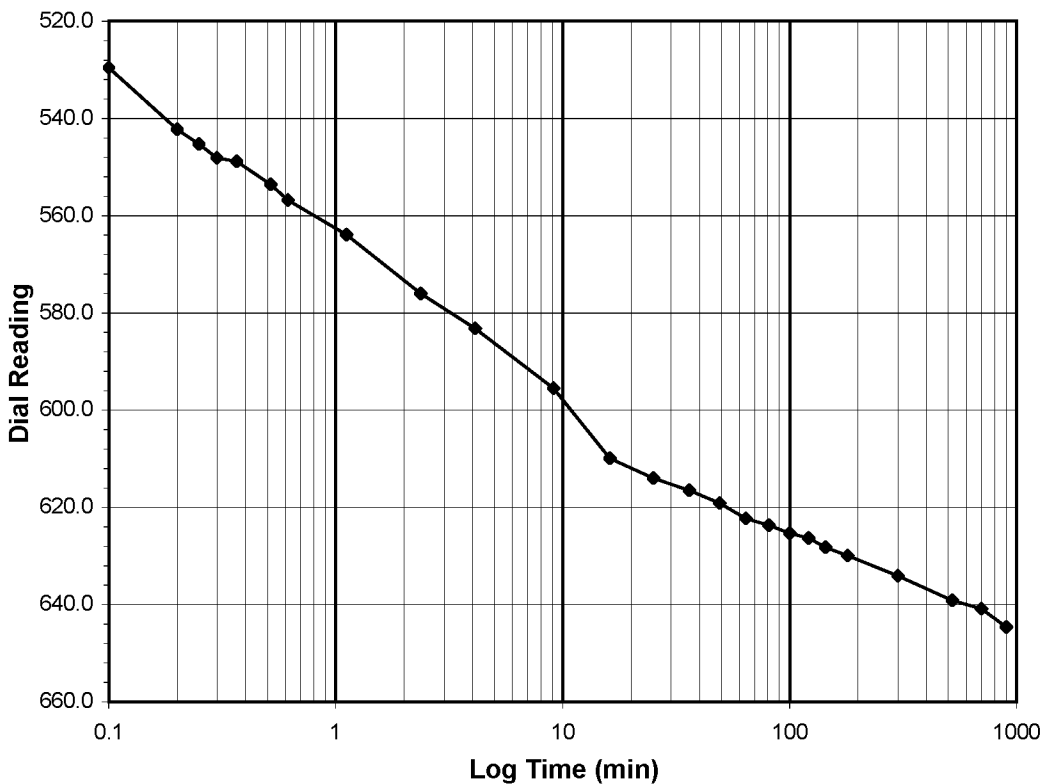
Boring No. R-6-1b
 Depth (ft) 209.2-209.4
 Sample No. ST-17
 Visual Description Gray Sandy Silt

Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf)	8.0-16.0
Final Reading (div)	644.6
Consolidometer No.	G1424
1 Division (in)	0.0001
Start Date	11/15/13
Start Time	4:14:05

Elapsed Time (min)	Dial Reading (div)
<i>Initial</i>	401.6
0.10	529.6
0.20	542.2
0.25	545.3
0.30	548.1
0.37	548.8
0.52	553.6
0.62	556.8
1.12	563.9
2.37	576.0
4.12	583.2
9.12	595.5
16.12	609.9
25.12	614.0
36.12	616.5
49.12	619.1
64.12	622.3
81.12	623.7
100.12	625.3
121.12	626.3
144.12	628.2
180.12	629.9
300.13	634.1
520.13	639.1
700.13	640.8
900.23	644.6



Tested By **DB** Date **11/15/13** Checked By **TM** Date **12/5/13**

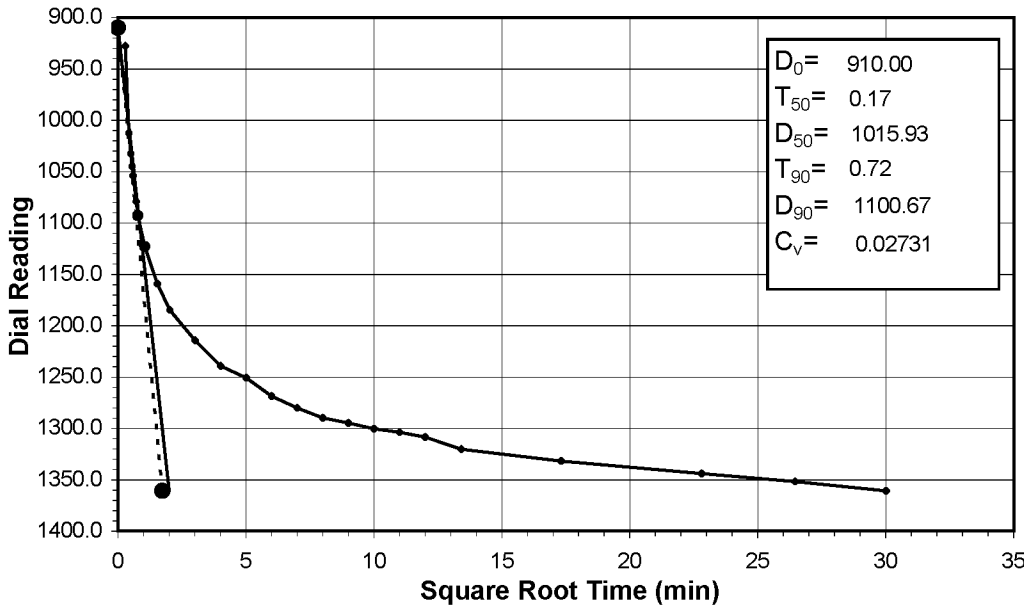
ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates
 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-027

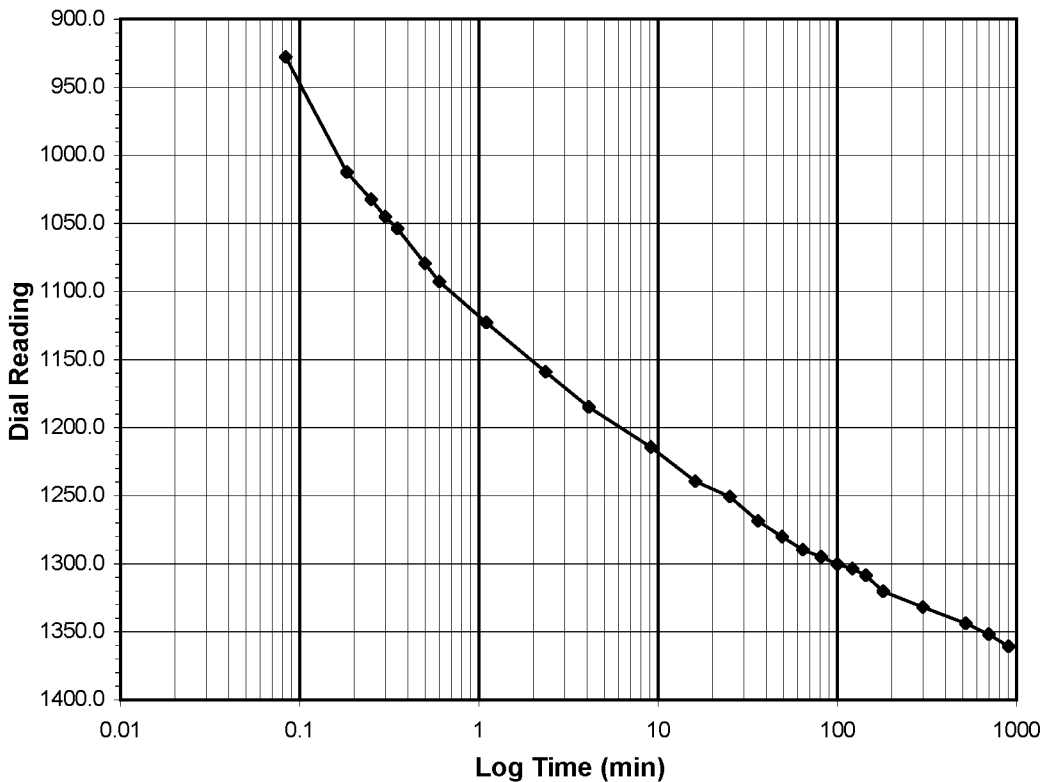
Boring No. R-6-1b
 Depth (ft) 209.2-209.4
 Sample No. ST-17
 Visual Description Gray Sandy Silt

Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf)	16.0-32.0
Final Reading (div)	1360.6
Consolidometer No.	G1424
1 Division (in)	0.0001
Start Date	11/15/13
Start Time	19:14:19

Elapsed Time (min)	Dial Reading (div)
<i>Initial</i>	644.6
0.08	927.6
0.18	1012.4
0.25	1032.4
0.30	1045.0
0.35	1053.8
0.50	1079.2
0.60	1092.7
1.10	1122.9
2.35	1159.0
4.10	1184.9
9.10	1214.3
16.10	1239.3
25.10	1250.7
36.10	1268.5
49.10	1280.1
64.10	1289.7
81.12	1294.8
100.12	1300.3
121.12	1303.6
144.12	1308.4
180.12	1320.2
300.12	1331.8
520.12	1343.8
700.12	1351.7
900.48	1360.6



Tested By **DB** Date **11/15/13** Checked By **TM** Date **12/5/13**

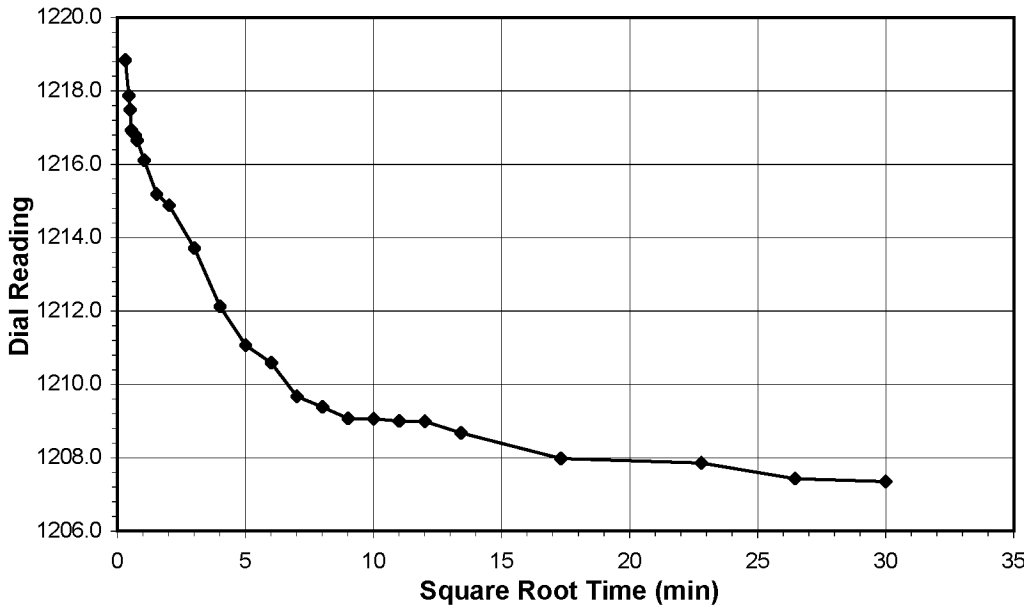
ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates
 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-027

Boring No. R-6-1b
 Depth (ft) 209.2-209.4
 Sample No. ST-17
 Visual Description Gray Sandy Silt

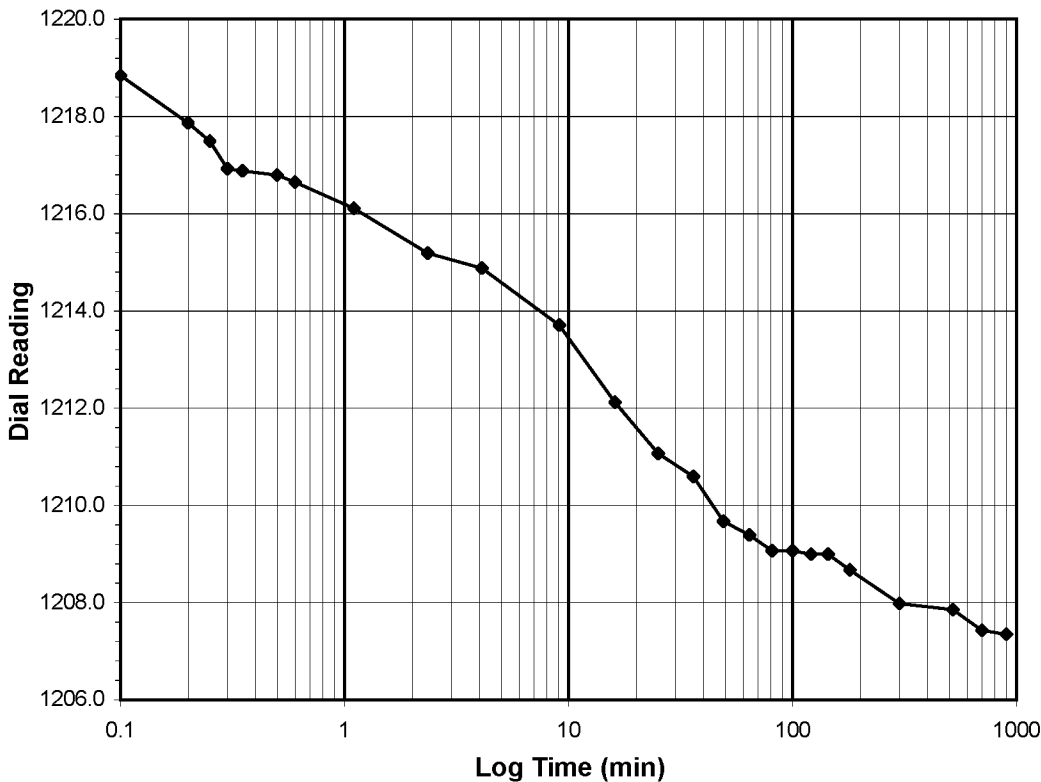
Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf) 32.0-8.0
Final Reading (div) 1207.3
 Consolidometer No. **G1424**
 1 Division (in) 0.0001

Start Date 11/16/13
 Start Time 10:14:49

Elapsed Time (min)	Dial Reading (div)
Initial	1360.6
0.10	1218.8
0.20	1217.9
0.25	1217.5
0.30	1216.9
0.35	1216.9
0.50	1216.8
0.60	1216.6
1.10	1216.1
2.35	1215.2
4.10	1214.9
9.10	1213.7
16.10	1212.1
25.10	1211.1
36.12	1210.6
49.12	1209.7
64.12	1209.4
81.12	1209.1
100.12	1209.1
121.12	1209.0
144.12	1209.0
180.12	1208.7
300.12	1208.0
520.12	1207.9
700.12	1207.4
900.33	1207.3



Tested By **DB** Date **11/16/13** Checked By **TM** Date **12/5/13**

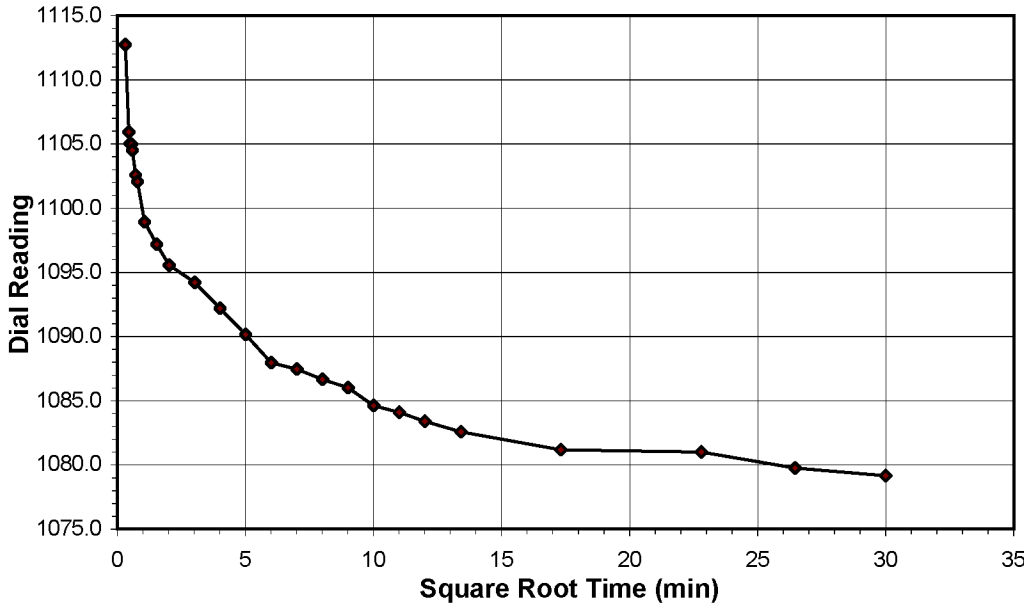
ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates
 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-027

Boring No. R-6-1b
 Depth (ft) 209.2-209.4
 Sample No. ST-17
 Visual Description Gray Sandy Silt

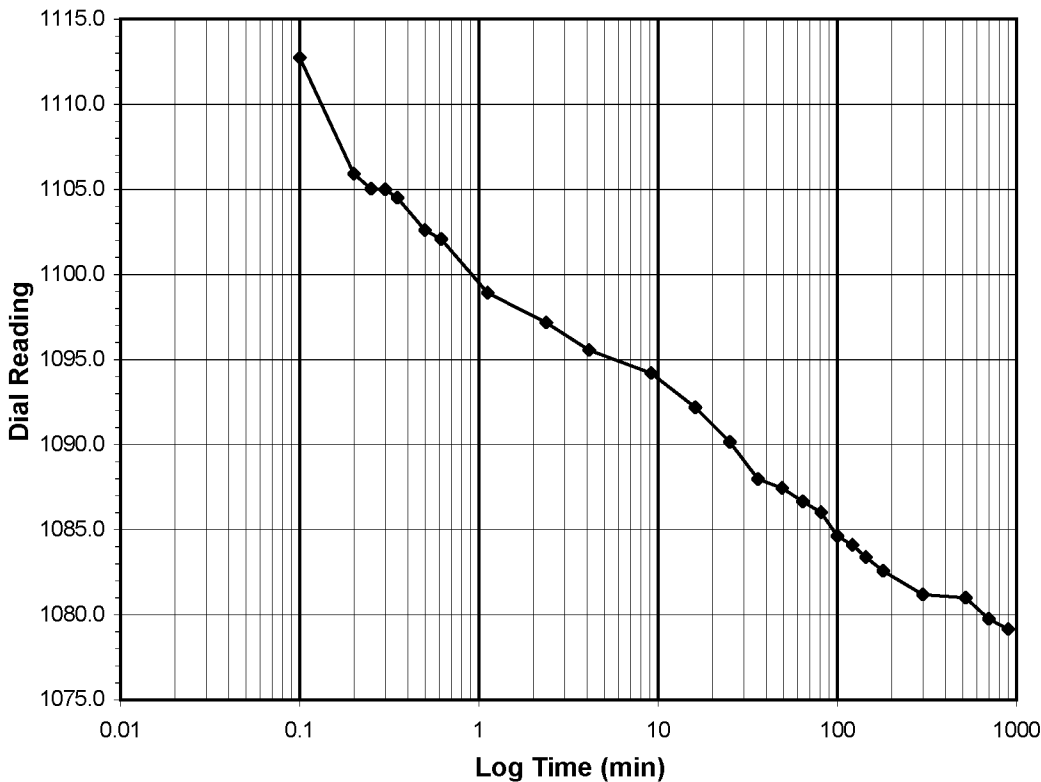
Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf) 8.0-2.0
Final Reading (div) 1079.2
 Consolidometer No. G1424
 1 Division (in) 0.0001

Start Date 11/17/13
Start Time 1:15:09

Elapsed Time (min)	Dial Reading (div)
Initial	1207.3
0.10	1112.7
0.20	1105.9
0.25	1105.0
0.30	1105.0
0.35	1104.5
0.50	1102.6
0.62	1102.1
1.12	1098.9
2.37	1097.2
4.12	1095.6
9.12	1094.2
16.12	1092.2
25.12	1090.2
36.12	1088.0
49.12	1087.5
64.12	1086.7
81.12	1086.0
100.12	1084.6
121.12	1084.1
144.12	1083.4
180.12	1082.6
300.12	1081.2
520.13	1081.0
700.13	1079.8
900.13	1079.2



Tested By DB Date 11/17/13 Checked By TM Date 12/5/13

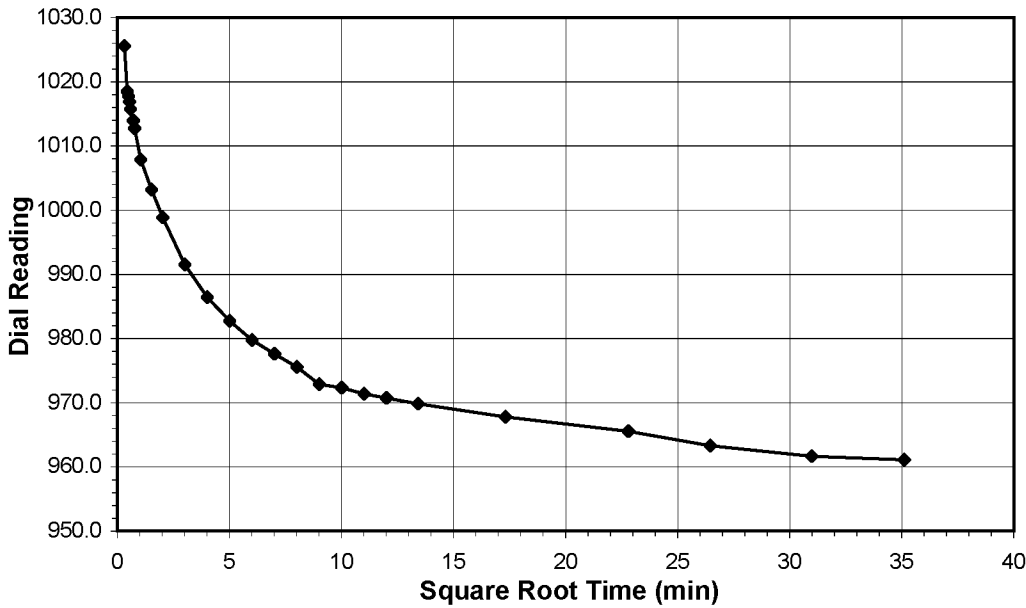
ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates
 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-027

Boring No. R-6-1b
 Depth (ft) 209.2-209.4
 Sample No. ST-17
 Visual Description Gray Sandy Silt

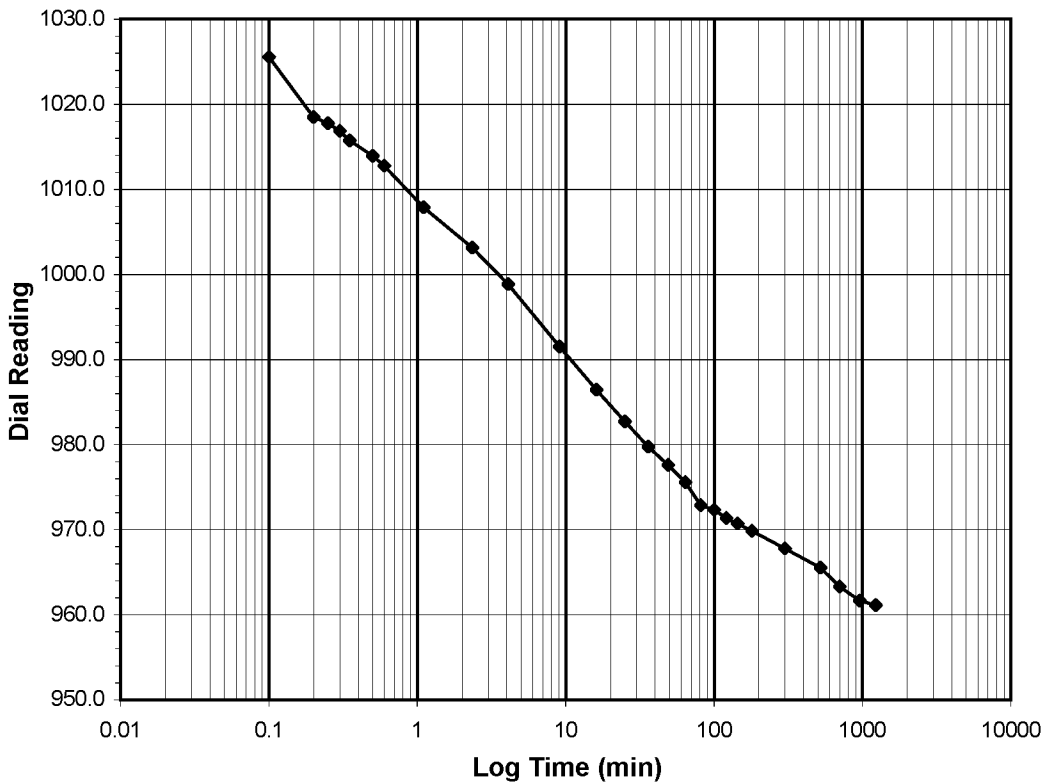
Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf) 2.0-0.5
Final Reading (div) 961.1
 Consolidometer No. **G1424**
 1 Division (in) 0.0001

Start Date 11/17/13
Start Time 16:15:17

Elapsed Time (min)	Dial Reading (div)
Initial	1079.2
0.10	1025.6
0.20	1018.5
0.25	1017.8
0.30	1016.9
0.35	1015.7
0.50	1013.9
0.60	1012.8
1.10	1007.9
2.35	1003.2
4.10	998.8
9.10	991.5
16.10	986.4
25.10	982.7
36.10	979.8
49.10	977.6
64.10	975.6
81.12	972.9
100.12	972.3
121.12	971.4
144.12	970.7
180.12	969.9
300.12	967.8
520.12	965.5
700.12	963.3
960.12	961.6
1232.67	961.1



Tested By **DB** Date **11/17/13** Checked By **TM** Date **12/5/13**

ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client	Paul C. Rizzo & Associates	Boring No.	R-6-1b
Client Reference	Turkey Point Units 6 & 7 Site	Depth (ft)	209.2-209.4
Project No.	2013-465-001	Sample No.	ST-17
Lab ID	2013-465-001-027	Visual Description	Gray Sandy Silt

Sample Conditions: Undisturbed, Inundated And Double Drained

Consolidometer No. G1424
1 Division = 0.0001 (in)

<u>Sample Properties</u>	<u>Initial</u>	<u>Final</u>	<u>Test Data Summary</u>							
<i>Water Content</i>			Applied Pressure (tsf)	Final Dial Reading (div)	Machine Deflection (div)	Corrected Reading (div)	Height of Sample (mm)	Volume (cm ³)	Dry Density (g/cm ³)	Void Ratio
Tare Number	2668	2702								
Wt. Tare & WS (g)	111.65	150.26								
Wt. Tare & DS (g)	85.91	117.64								
Wt. Water (g)	25.74	32.62	Seating	0	0	0	25.400	80.440	1.38966	0.89975
Wt. Tare (g)	6.92	6.60	0.25	51.8	17.0	34.9	25.311	80.159	1.39452	0.89312
Wt. DS (g)	78.99	111.04	0.5	88.3	22.5	65.8	25.233	79.910	1.39887	0.88724
Water Content (%)	32.59	29.38	1	137.4	31.8	105.6	25.132	79.590	1.40449	0.87968
			2	188.6	56.2	132.4	25.064	79.375	1.40830	0.87460
			4	272.7	87.6	185.1	24.930	78.951	1.41586	0.86459
<u>Sample Parameters</u>			1	219.0	52.8	166.2	24.978	79.103	1.41314	0.86818
Sample Diameter (in)	2.5	2.5	0.25	176.6	24.8	151.8	25.014	79.219	1.41108	0.87091
Sample Height (in)	1.0000	0.9107	0.5	183.9	31.4	152.4	25.013	79.214	1.41117	0.87079
Sample Volume (cm ³)	80.44	73.26	1	204.2	45.6	158.6	24.997	79.164	1.41205	0.86962
Wt. Wet Sample + Ring (g)	362.52	358.93	2	236.9	60.3	176.7	24.951	79.019	1.41465	0.86619
Wt. of Ring (g)	214.31	214.31	4	279.2	86.5	192.7	24.911	78.890	1.41696	0.86315
Wt. of Wet Sample (g)	148.21	144.62	8	401.6	137.0	264.5	24.728	78.312	1.42741	0.84950
Wet Density (pcf)	114.97	123.19	16	644.6	196.5	448.1	24.262	76.835	1.45485	0.81462
Wet Density (g/cm ³)	1.84	1.97	32	1360.6	283.7	1076.9	22.665	71.777	1.55737	0.69516
Water Content (%)	32.59	29.38	8	1207.3	174.5	1032.9	22.776	72.131	1.54973	0.70353
Wt. of Dry Sample (g)	111.78	111.78	2	1079.2	104.7	974.5	22.925	72.601	1.53970	0.71462
Dry Density (pcf)	86.71	95.22	0.5	961.1	68.4	892.8	23.132	73.258	1.52588	0.73015
Dry Density (g/cm ³)	1.39	1.53								
Void Ratio	0.8998	0.7301								
Saturation (%)	95.61	106.22								
Specific Gravity	2.64	<i>Measured</i>								
			<i>Tested By</i>	<i>DB</i>	<i>Date</i>	<i>11/7/13</i>	<i>Input Checked By</i>	<i>TM</i>	<i>Date</i>	<i>12/5/13</i>

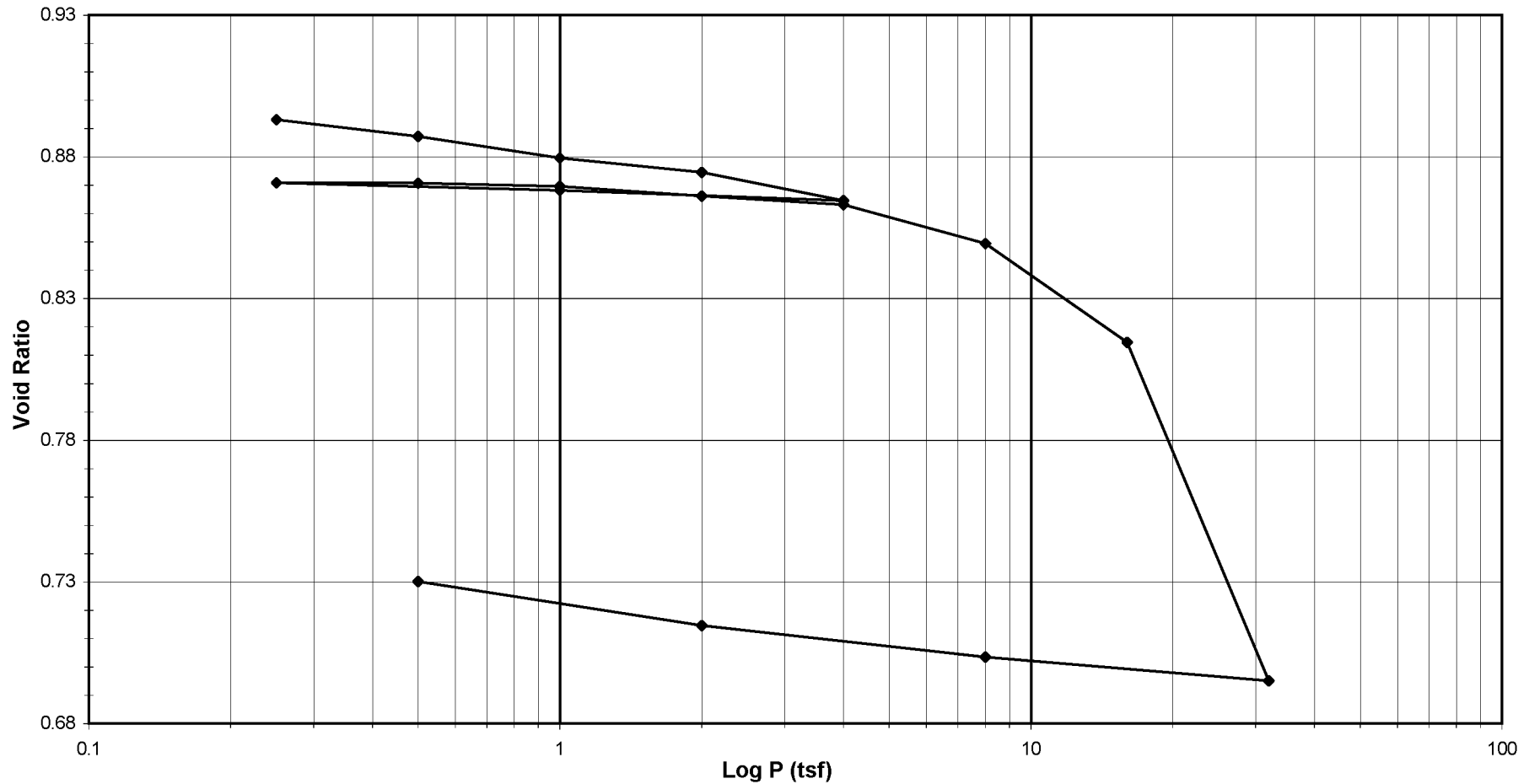
ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates
 Client Reference Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-027

Boring No. R-6-1b
 Depth (ft) 209.2-209.4
 Sample No. ST-17
 Visual Description Gray Sandy Silt

Sample Conditions: Undisturbed, Inundated And Double Drained



Tested By DB Date 11/7/13 Approved By RJO Date 12/5/13

DCN: CT-24 AutoT50-CV Date: 11/27/13 Revision: 0

CONSOL-Auto T50-Cv

ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates
 Client Reference Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-027

Boring No. R-6-1b
 Depth (ft) 209.2-209.4
 Sample No. ST-17
 Visual Description Gray Sandy Silt

Sample Conditions: Undisturbed, Inundated And Double Drained

Consolidometer No. G1424

1 Division = 0.0001 (in)

C_v Test Data Summary

<u>Sample Properties</u>	<u>Initial</u>	<u>Final</u>	<u>Load</u>	<u>Dial</u>	<u>Machine</u>	<u>Corrected</u>	<u>Sample</u>	<u>Time</u>	<u>C_v</u>
			<u>Increment</u>	<u>Reading</u>	<u>Deflection</u>	<u>Dial Reading</u>	<u>Height</u>	<u>t₅₀</u>	<u>(cm²/sec)</u>
			(tsf)	@ t ₅₀ (div)	(div)	@ t ₅₀ (div)	@ t ₅₀ (mm)	(min)	
<i>Water Content</i>									
Tare Number	2668	2702							
Wt. Tare & WS (g)	111.65	150.26							
Wt. Tare & DS (g)	85.91	117.64							
Wt. Water (g)	25.74	32.62	Seating	NA	NA	NA	NA	NA	NA
Wt. Tare (g)	6.92	6.6	0.25	35.3	17.0	18.4	25.35	0.32	0.01652
Wt. DS (g)	78.99	111.04	0.5	74.5	22.5	52.1	25.27	0.32	0.01658
Water Content (%)	32.59	29.38	1	110.7	31.8	78.9	25.20	0.16	0.03224
			2	170.5	56.2	114.3	25.11	0.25	0.02045
			4	245.5	87.6	157.9	25.00	0.42	0.01218
<u>Sample Parameters</u>			1	NA	NA	NA	NA	NA	NA
Sample Diameter (in)	2.5	2.5	0.25	NA	NA	NA	NA	NA	NA
Sample Height (in)	1.0000	0.9107	0.5	181.5	31.4	150.1	25.02	0.15	0.03532
Sample Volume (cm ³)	80.44	73.26	1	198.0	45.6	152.3	25.01	0.14	0.03657
Wt. Wet Sample + Ring (g)	362.52	358.93	2	231.3	60.3	171.0	24.97	0.26	0.01985
Wt. of Ring (g)	214.31	214.31	4	265.4	86.5	178.9	24.95	0.32	0.01606
Wt. of Wet Sample (g)	148.21	144.62	8	360.3	137.0	223.3	24.83	0.74	0.00684
Wet Density (pcf)	114.97	123.19	16	549.2	196.5	352.7	24.50	0.42	0.01191
Wet Density (g/cm ³)	1.84	1.97	32	1015.9	283.7	732.2	23.54	0.17	0.02731
Water Content (%)	32.59	29.38	8	NA	NA	NA	NA	NA	NA
Wt. of Dry Sample (g)	111.78	111.78	2	NA	NA	NA	NA	NA	NA
Dry Density (pcf)	86.71	95.22	0.5	NA	NA	NA	NA	NA	NA
Dry Density (g/cm ³)	1.39	1.53							
Void Ratio	0.8998	0.7301							
Saturation (%)	95.61	106.22							
Specific Gravity	2.64	Measured							

Tested By **DB** Date **11/7/13** Input Checked By **TM** Date **12/5/13**

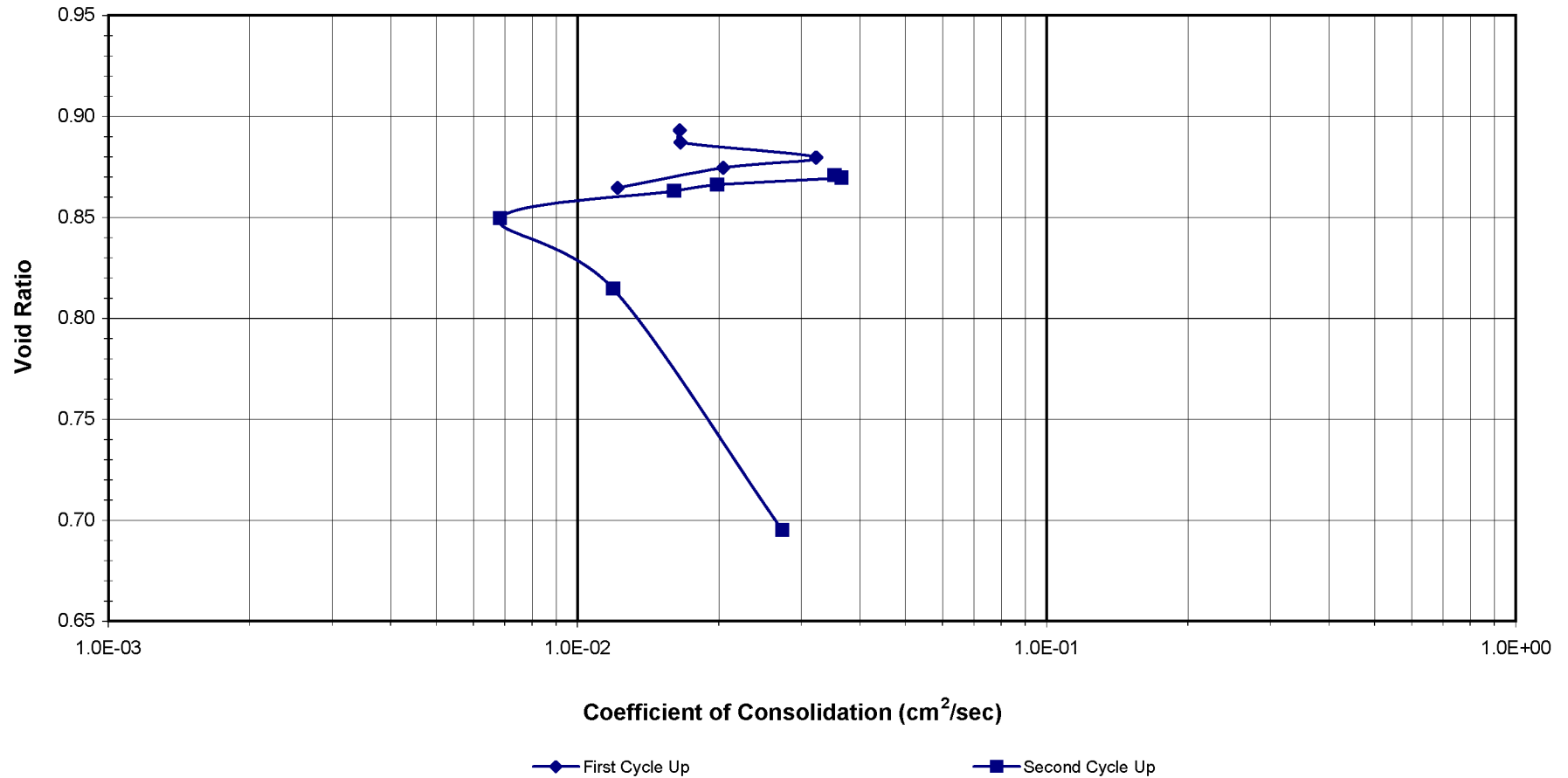
ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates
 Client Reference Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-027

Boring No. R-6-1b
 Depth (ft) 209.2-209.4
 Sample No. ST-17
 Visual Description Gray Sandy Silt

Sample Conditions: Undisturbed, Inundated And Double Drained



Tested By **DB** Date **11/7/13**

Approved By **RJO** Date **12/5/13**

DCN: CT-24 AutoT50-CV Date: 1127/13 Revision: 0

CONSOL-Auto T50-Cv

One Dimensional Consolidation

ASTM D2435 / D2435M-11

EQUIPMENT LIST

Client	Paul C. Rizzo & Associates	Boring No.	R-6-1b
Client Reference	Turkey Point Units 6 & 7 Site	Depth (ft)	209.2-209.4
Project No.	2013-465-001	Sample No.	ST-17
Lab ID #	2013-465-001-027		

Equipment	Equipment ID#	Calibration Due Date
Calipers	G1122	12/3/13
Balance	G1394	5/15/14
Oven	G1387	8/16/14
Consolidometer	G1424	1/9/14
Load Cell	G1425	1/9/14
LVDT	G1426	1/9/14

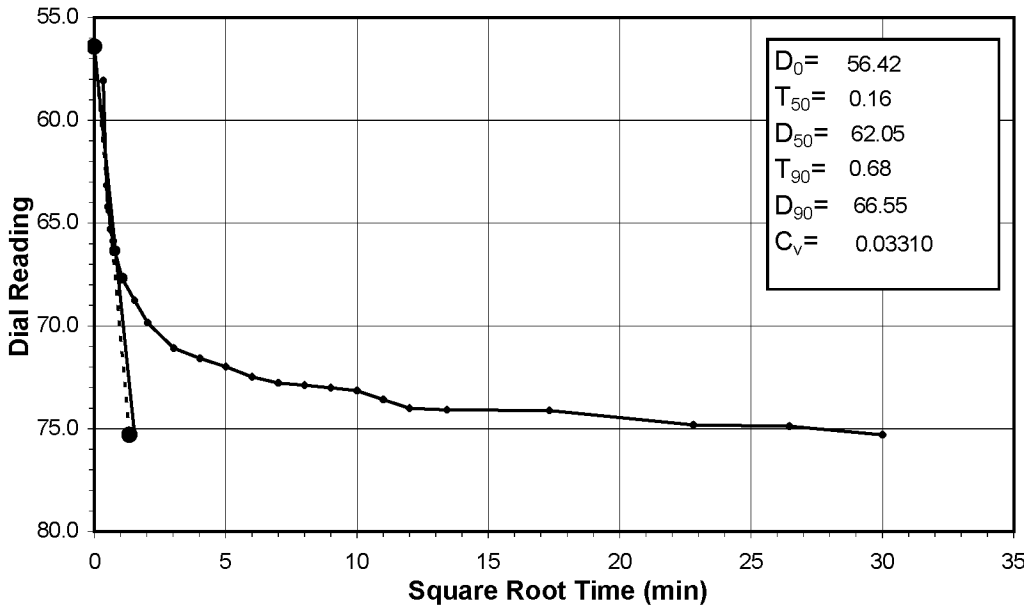
ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates
 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-028

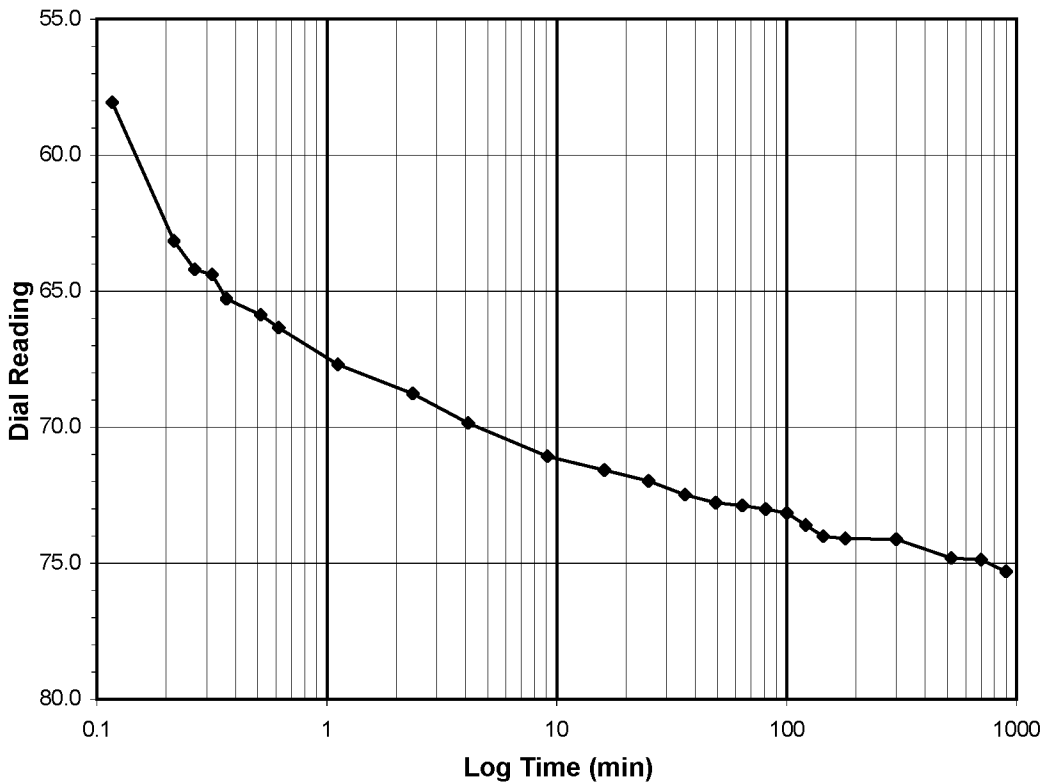
Boring No. R-6-1b
 Depth (ft) 225.0-225.2
 Sample No. ST-22
 Visual Description Gray Sand w/Some Cemented Pieces

Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf)	0.0-0.25
Final Reading (div)	75.3
Consolidometer No.	G1421
1 Division (in)	0.0001
Start Date	11/29/13
Start Time	9:16:48

Elapsed Time (min)	Dial Reading (div)
Initial	0.0
0.12	58.1
0.22	63.2
0.27	64.2
0.32	64.4
0.37	65.3
0.52	65.9
0.62	66.3
1.12	67.7
2.37	68.8
4.12	69.8
9.12	71.1
16.12	71.6
25.12	72.0
36.12	72.5
49.12	72.8
64.12	72.9
81.12	73.0
100.12	73.1
121.12	73.6
144.12	74.0
180.12	74.1
300.12	74.1
520.12	74.8
700.12	74.9
900.08	75.3



Tested By **DB** Date **11/29/13** Checked By **TM** Date **12/12/13**

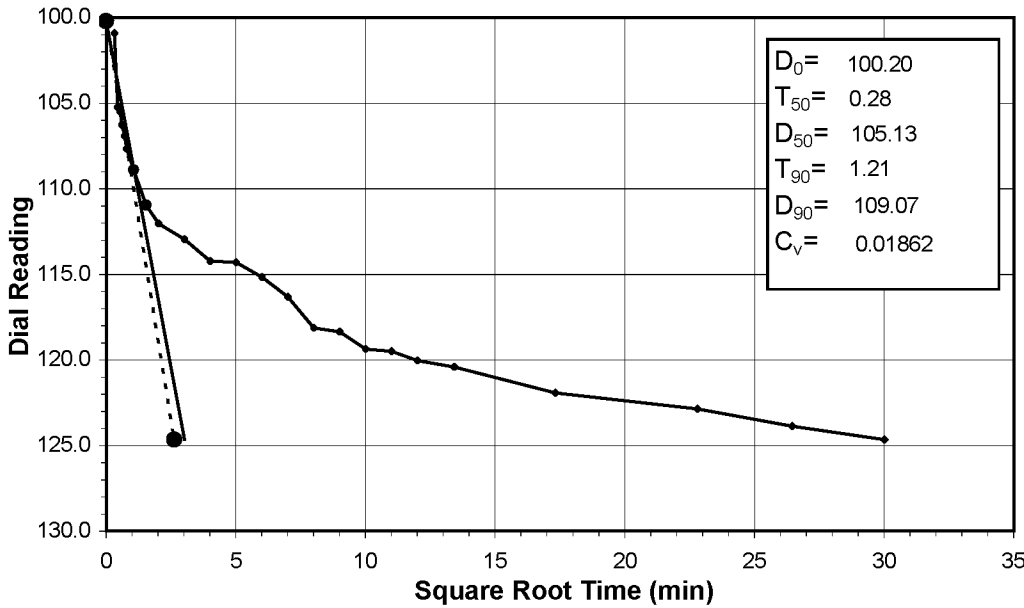
ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates
 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-028

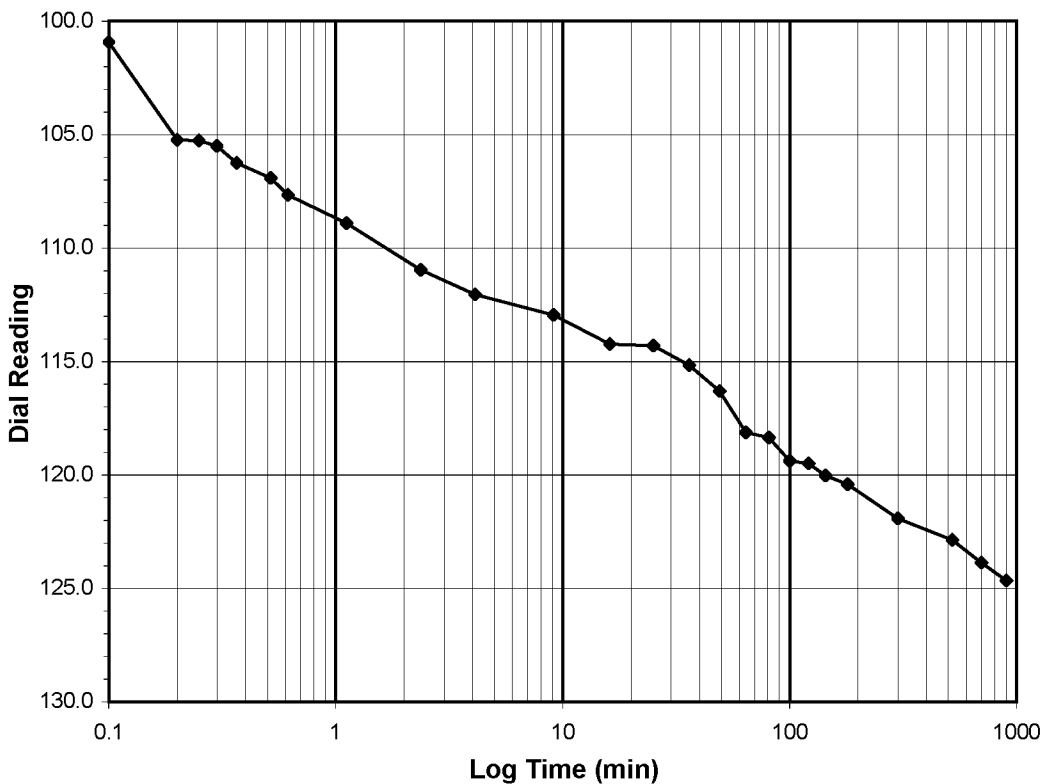
Boring No. R-6-1b
 Depth (ft) 225.0-225.2
 Sample No. ST-22
 Visual Description Gray Sand w/Some Cemented Pieces

Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf)	0.25-0.5
Final Reading (div)	124.6
Consolidometer No.	G1421
1 Division (in)	0.0001
Start Date	11/30/13
Start Time	0:16:52

Elapsed Time (min)	Dial Reading (div)
<i>Initial</i>	75.3
0.10	100.9
0.20	105.2
0.25	105.3
0.30	105.5
0.37	106.3
0.52	106.9
0.62	107.7
1.12	108.9
2.37	111.0
4.12	112.0
9.12	113.0
16.12	114.2
25.12	114.3
36.12	115.2
49.13	116.3
64.13	118.1
81.13	118.3
100.13	119.4
121.13	119.5
144.13	120.0
180.13	120.4
300.13	121.9
520.13	122.9
700.13	123.9
900.48	124.6



Tested By **DB** Date **11/30/13** Checked By **TM** Date **12/12/13**

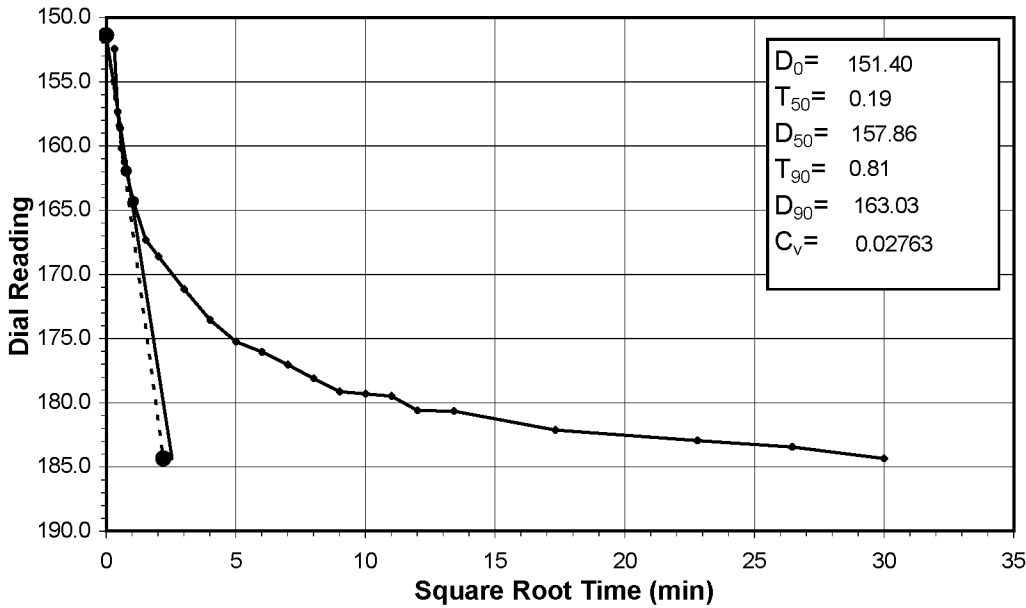
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ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates
 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-028

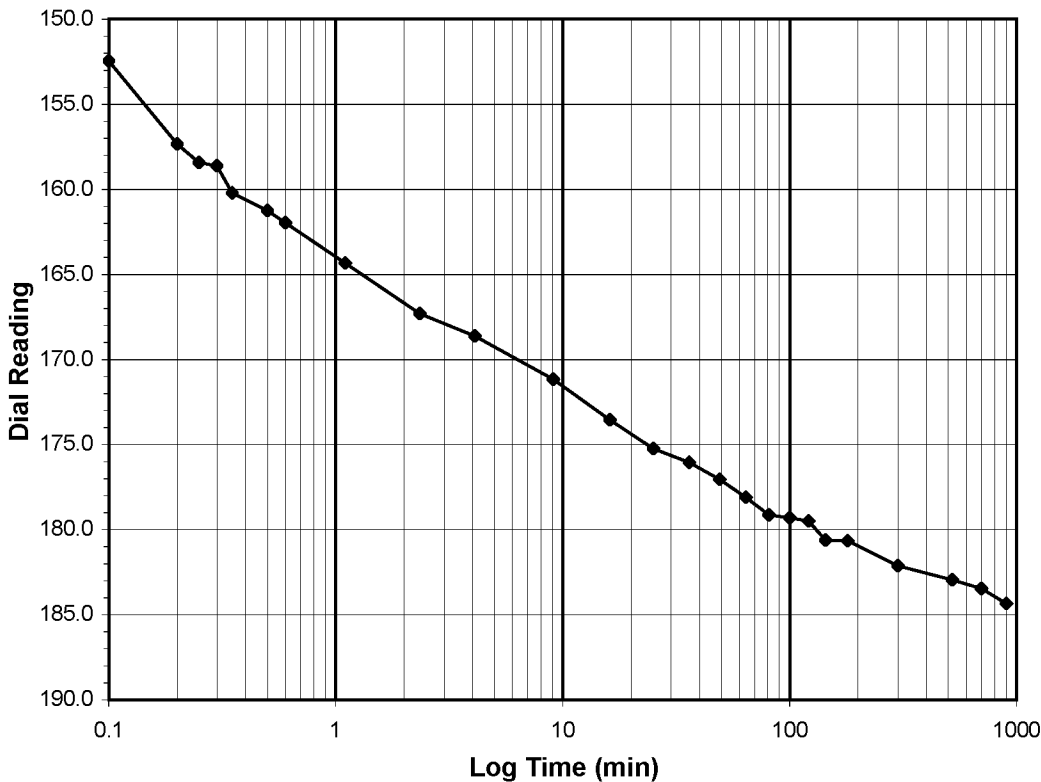
Boring No. R-6-1b
 Depth (ft) 225.0-225.2
 Sample No. ST-22
 Visual Description Gray Sand w/Some Cemented Pieces

Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf)	0.5-1.0
Final Reading (div)	184.3
Consolidometer No.	G1421
1 Division (in)	0.0001
Start Date	11/30/13
Start Time	15:17:21

Elapsed Time (min)	Dial Reading (div)
Initial	124.6
0.10	152.4
0.20	157.3
0.25	158.4
0.30	158.6
0.35	160.2
0.50	161.2
0.60	162.0
1.10	164.3
2.35	167.3
4.10	168.6
9.10	171.2
16.12	173.5
25.12	175.2
36.12	176.0
49.12	177.0
64.12	178.1
81.12	179.1
100.12	179.3
121.12	179.5
144.12	180.6
180.12	180.7
300.12	182.1
520.12	182.9
700.12	183.5
900.27	184.3



Tested By **DB** Date **11/30/13** Checked By **TM** Date **12/12/13**

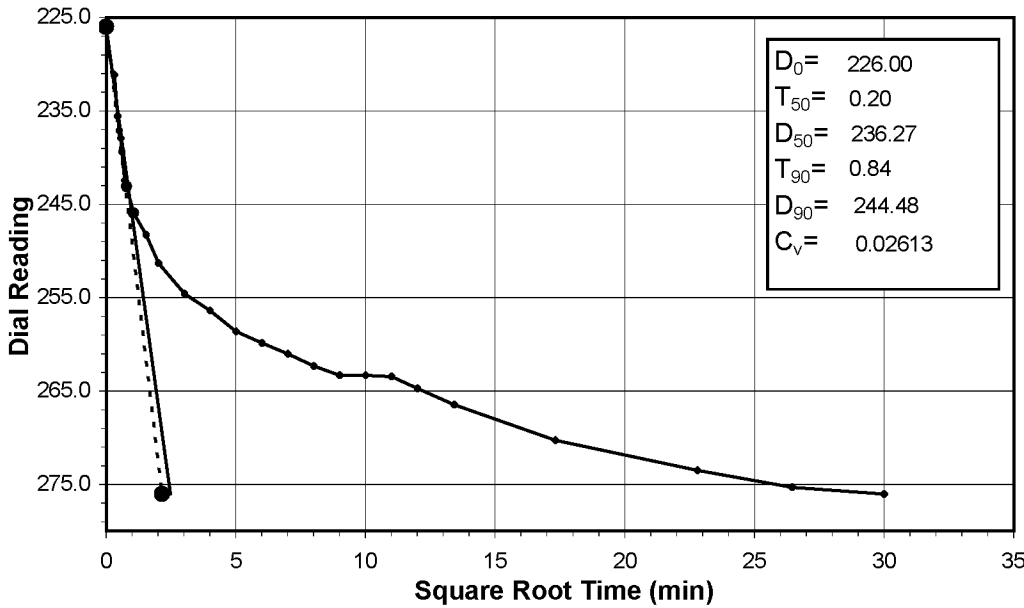
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ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates
 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-028

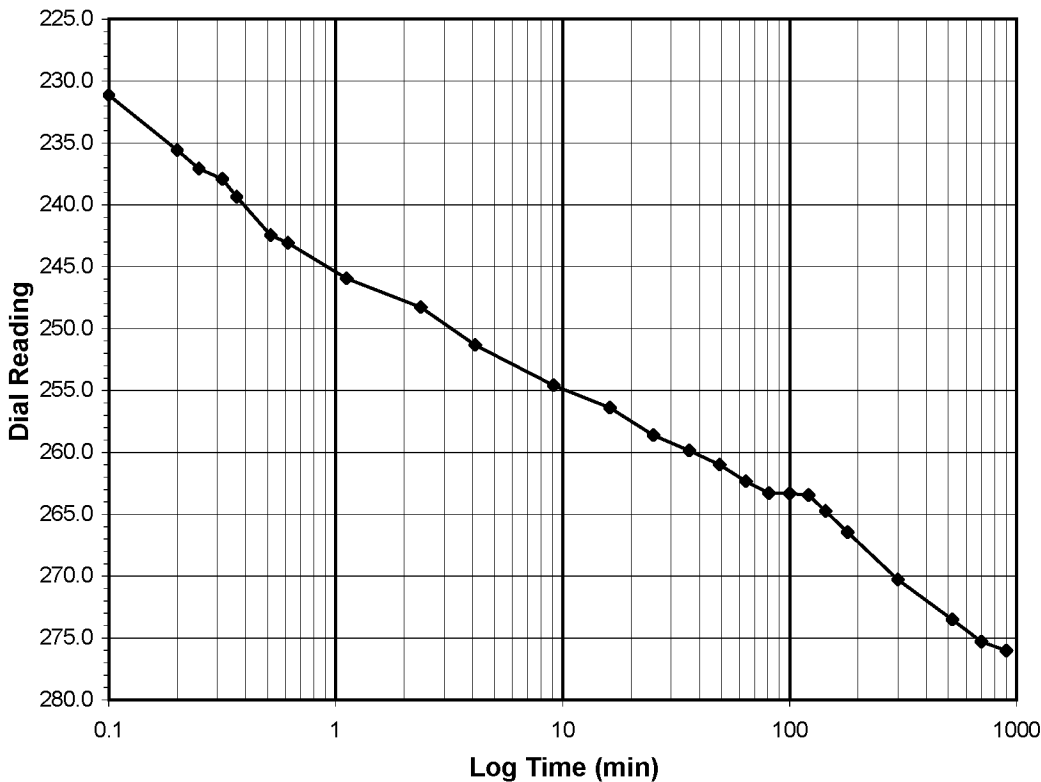
Boring No. R-6-1b
 Depth (ft) 225.0-225.2
 Sample No. ST-22
 Visual Description Gray Sand w/Some Cemented Pieces

Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf)	1.0-2.0
Final Reading (div)	276.0
Consolidometer No.	G1421
1 Division (in)	0.0001
Start Date	12/1/13
Start Time	6:17:37

Elapsed Time (min)	Dial Reading (div)
Initial	184.3
0.10	231.1
0.20	235.6
0.25	237.1
0.32	237.9
0.37	239.4
0.52	242.4
0.62	243.1
1.12	246.0
2.37	248.3
4.12	251.3
9.12	254.6
16.12	256.4
25.12	258.6
36.12	259.9
49.12	261.0
64.12	262.3
81.12	263.3
100.12	263.3
121.13	263.5
144.13	264.7
180.13	266.5
300.13	270.3
520.13	273.5
700.13	275.3
900.07	276.0



Tested By **DB** Date **12/1/13** Checked By **TM** Date **12/12/13**

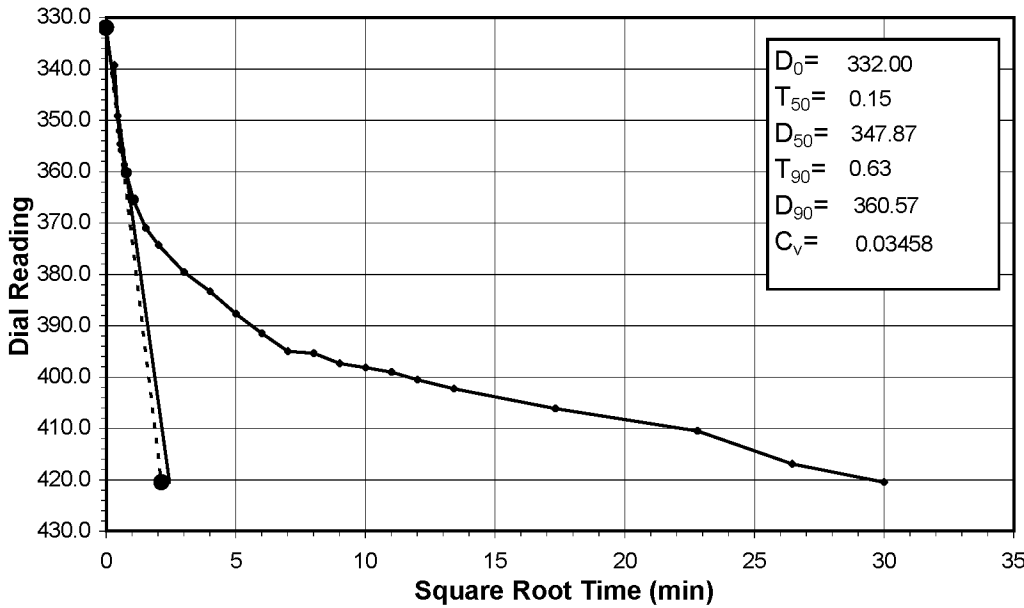
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Client Paul C. Rizzo & Associates
 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-028

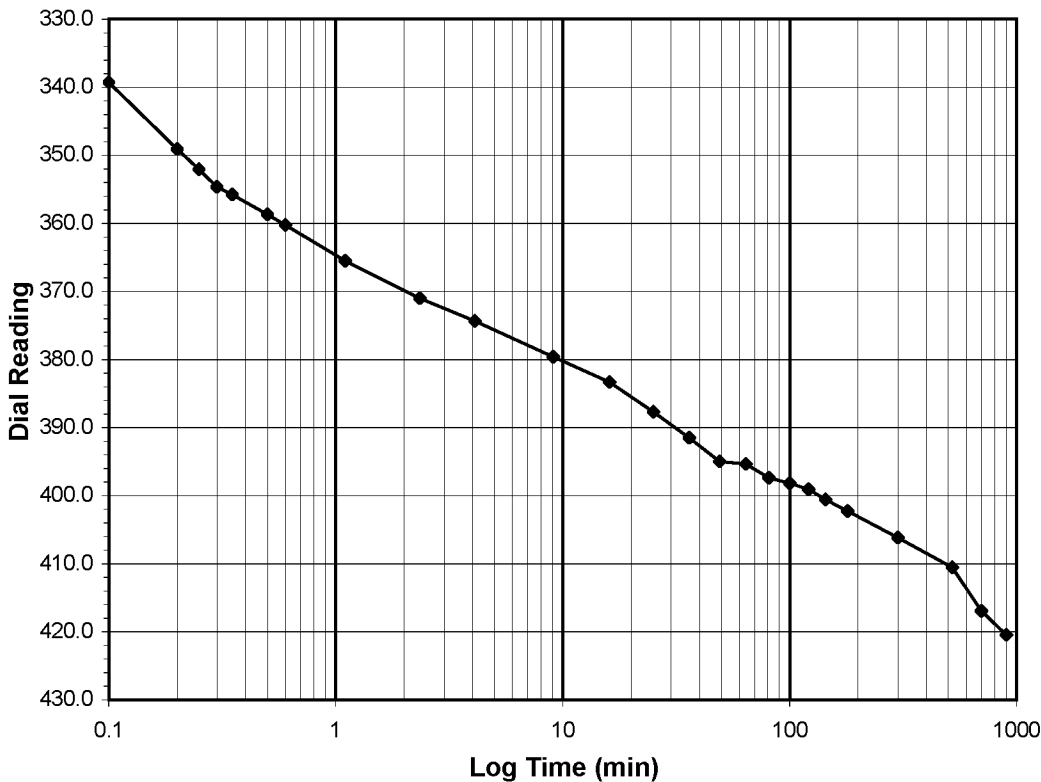
Boring No. R-6-1b
 Depth (ft) 225.0-225.2
 Sample No. ST-22
 Visual Description Gray Sand w/Some Cemented Pieces

Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf)	2.0-4.0
Final Reading (div)	420.4
Consolidometer No.	G1421
1 Division (in)	0.0001
Start Date	12/1/13
Start Time	21:17:41

Elapsed Time (min)	Dial Reading (div)
Initial	276.0
0.10	339.3
0.20	349.1
0.25	352.0
0.30	354.6
0.35	355.8
0.50	358.7
0.60	360.2
1.10	365.5
2.35	371.0
4.10	374.3
9.10	379.6
16.10	383.3
25.10	387.7
36.10	391.5
49.10	395.0
64.12	395.3
81.12	397.4
100.12	398.2
121.12	399.0
144.12	400.6
180.12	402.2
300.12	406.2
520.12	410.5
700.12	416.9
900.32	420.4



Tested By **DB** Date **12/1/13** Checked By **TM** Date **12/12/13**

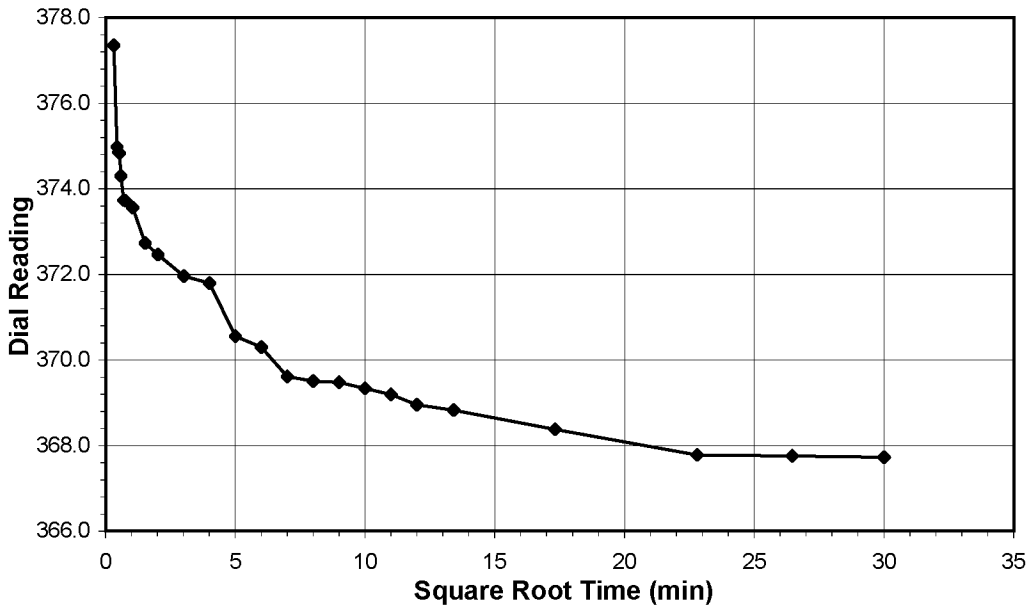
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ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates
 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-028

Boring No. R-6-1b
 Depth (ft) 225.0-225.2
 Sample No. ST-22
 Visual Description Gray Sand w/Some Cemented Pieces

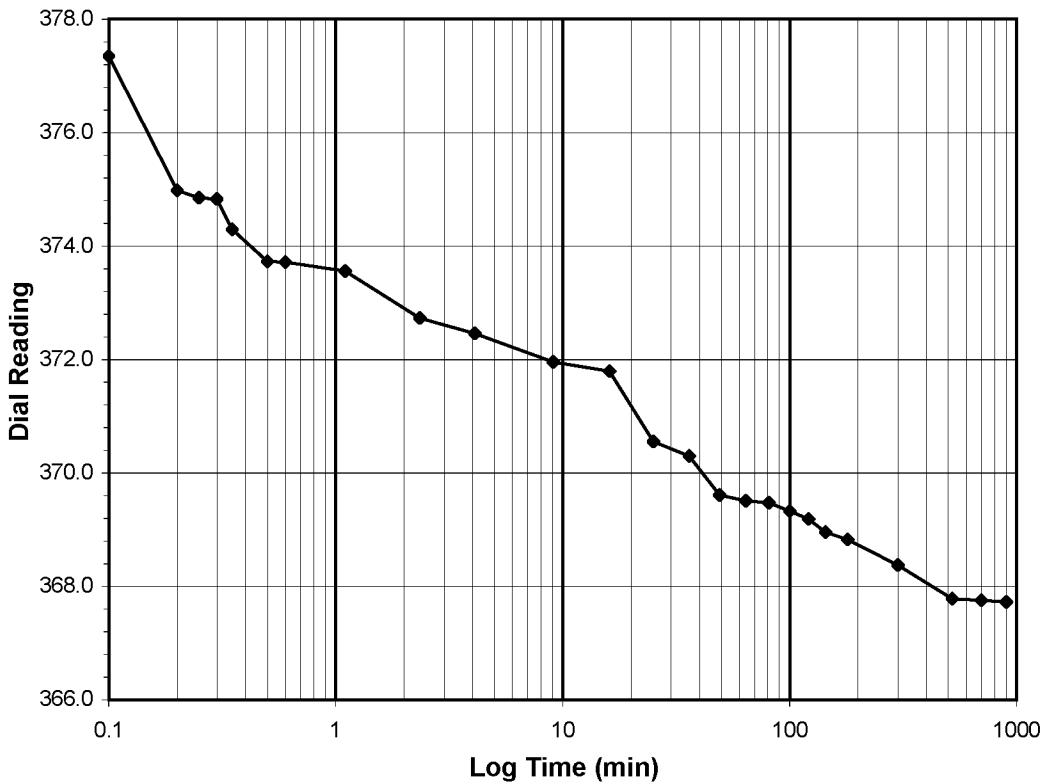
Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf) 4.0-1.0
Final Reading (div) 367.7
 Consolidometer No. G1421
 1 Division (in) 0.0001

Start Date 12/2/13
Start Time 12:18:00

Elapsed Time (min)	Dial Reading (div)
Initial	420.4
0.10	377.4
0.20	375.0
0.25	374.8
0.30	374.8
0.35	374.3
0.50	373.7
0.60	373.7
1.10	373.6
2.35	372.7
4.10	372.5
9.10	372.0
16.10	371.8
25.10	370.6
36.10	370.3
49.10	369.6
64.10	369.5
81.12	369.5
100.12	369.3
121.12	369.2
144.12	369.0
180.12	368.8
300.12	368.4
520.12	367.8
700.12	367.8
900.32	367.7



Tested By DB Date 12/2/13 Checked By TM Date 12/12/13

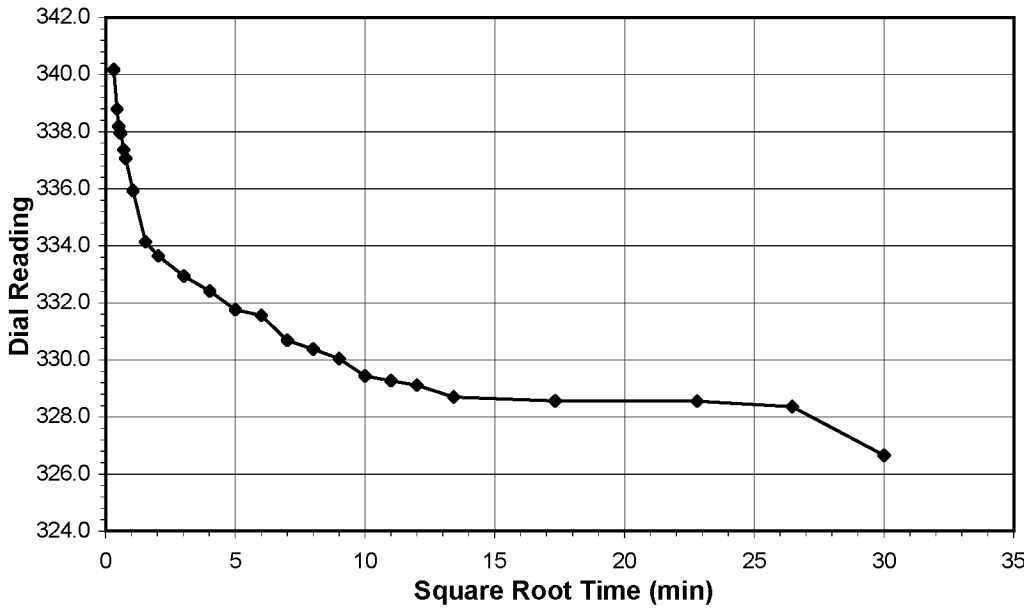
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ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates
 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-028

Boring No. R-6-1b
 Depth (ft) 225.0-225.2
 Sample No. ST-22
 Visual Description Gray Sand w/Some Cemented Pieces

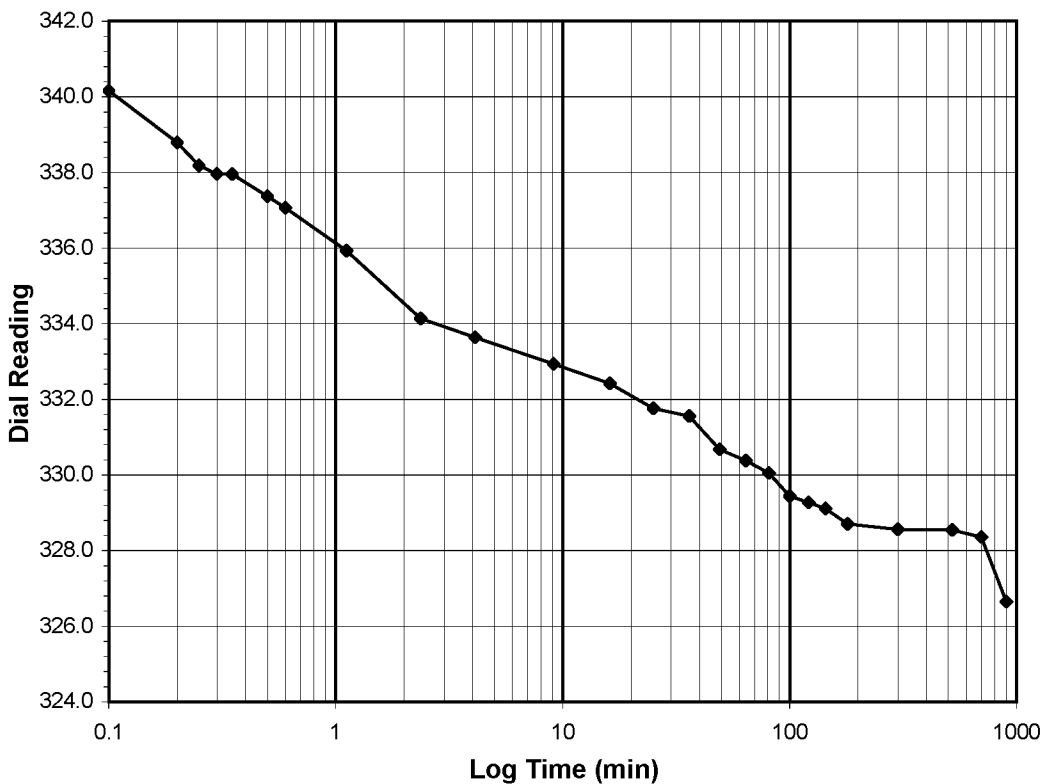
Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf) 1.0-0.25
Final Reading (div) 326.7
 Consolidometer No. G1421
 1 Division (in) 0.0001

Start Date 12/3/13
 Start Time 3:18:19

Elapsed Time (min)	Dial Reading (div)
Initial	367.7
0.10	340.2
0.20	338.8
0.25	338.2
0.30	338.0
0.35	338.0
0.50	337.4
0.60	337.1
1.12	335.9
2.37	334.1
4.12	333.6
9.12	332.9
16.12	332.4
25.12	331.8
36.12	331.6
49.12	330.7
64.12	330.4
81.13	330.1
100.13	329.4
121.13	329.3
144.13	329.1
180.13	328.7
300.13	328.6
520.13	328.5
700.13	328.4
900.08	326.7



Tested By DB Date 12/3/13 Checked By TM Date 12/12/13

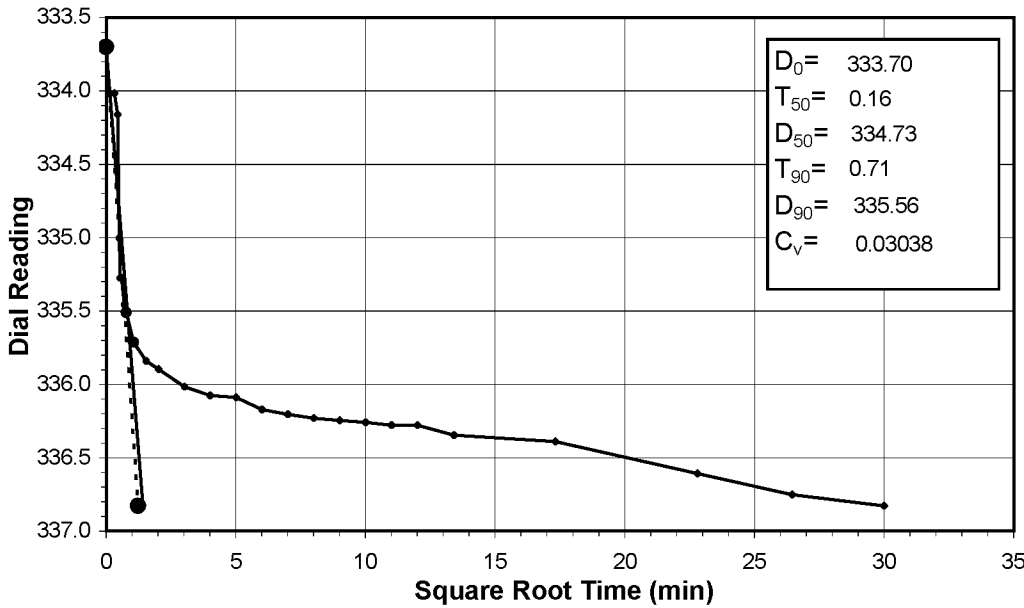
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ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates
 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-028

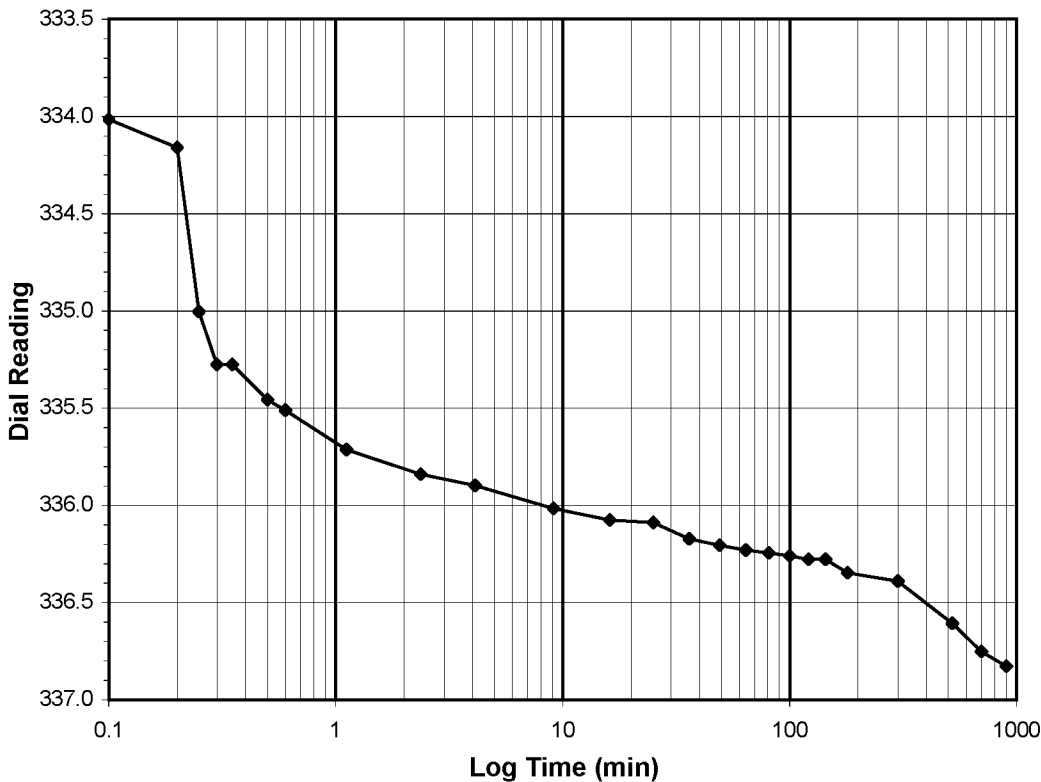
Boring No. R-6-1b
 Depth (ft) 225.0-225.2
 Sample No. ST-22
 Visual Description Gray Sand w/Some Cemented Pieces

Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf) 0.25-0.5
Final Reading (div) 336.8
 Consolidometer No. G1421
 1 Division (in) 0.0001
 Start Date 12/3/13
 Start Time 18:18:24

Elapsed Time (min)	Dial Reading (div)
<i>Initial</i>	326.7
0.10	334.0
0.20	334.2
0.25	335.0
0.30	335.3
0.35	335.3
0.50	335.5
0.60	335.5
1.12	335.7
2.37	335.8
4.12	335.9
9.12	336.0
16.12	336.1
25.12	336.1
36.12	336.2
49.12	336.2
64.12	336.2
81.12	336.2
100.12	336.3
121.12	336.3
144.12	336.3
180.12	336.3
300.12	336.4
520.12	336.6
700.12	336.8
900.17	336.8



Tested By DB Date 12/3/13 Checked By TM Date 12/12/13

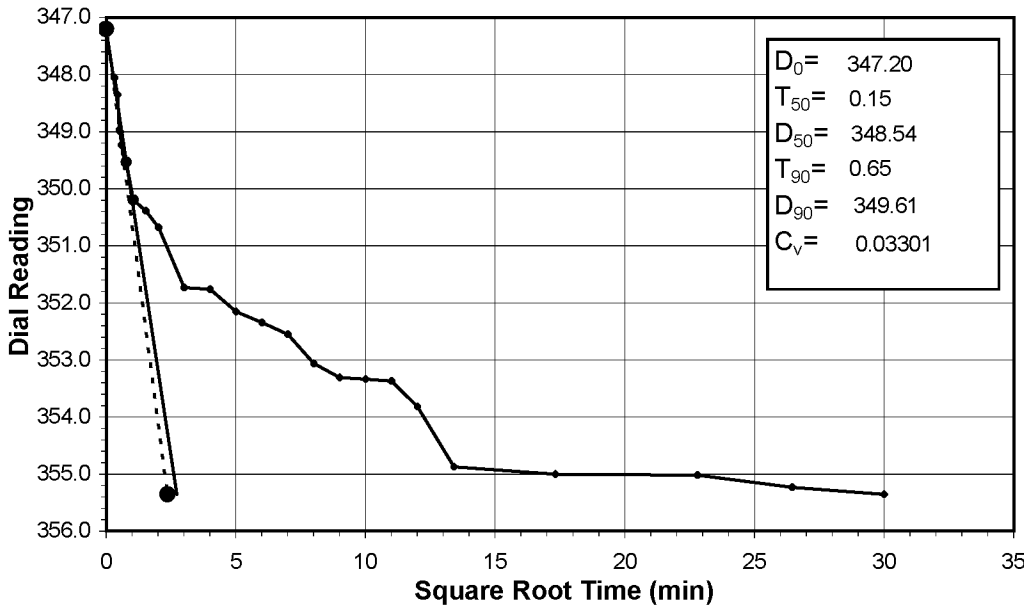
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ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates
 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-028

Boring No. R-6-1b
 Depth (ft) 225.0-225.2
 Sample No. ST-22
 Visual Description Gray Sand w/Some Cemented Pieces

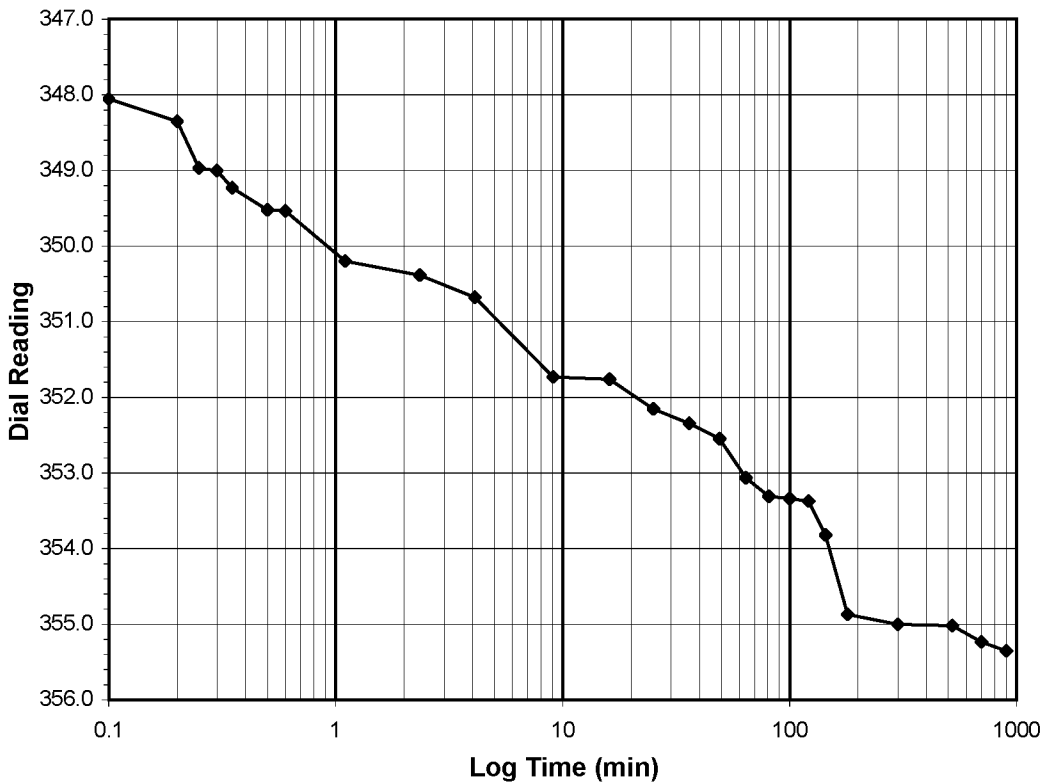
Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf) 0.5-1.0
Final Reading (div) 355.4
 Consolidometer No. G1421
 1 Division (in) 0.0001

Start Date 12/4/13
 Start Time 9:18:34

Elapsed Time (min)	Dial Reading (div)
<i>Initial</i>	336.8
0.10	348.1
0.20	348.4
0.25	349.0
0.30	349.0
0.35	349.2
0.50	349.5
0.60	349.5
1.10	350.2
2.35	350.4
4.10	350.7
9.10	351.7
16.10	351.8
25.12	352.2
36.12	352.3
49.12	352.5
64.12	353.1
81.12	353.3
100.12	353.3
121.12	353.4
144.12	353.8
180.12	354.9
300.12	355.0
520.12	355.0
700.12	355.2
900.05	355.4



Tested By DB Date 12/4/13 Checked By TM Date 12/12/13

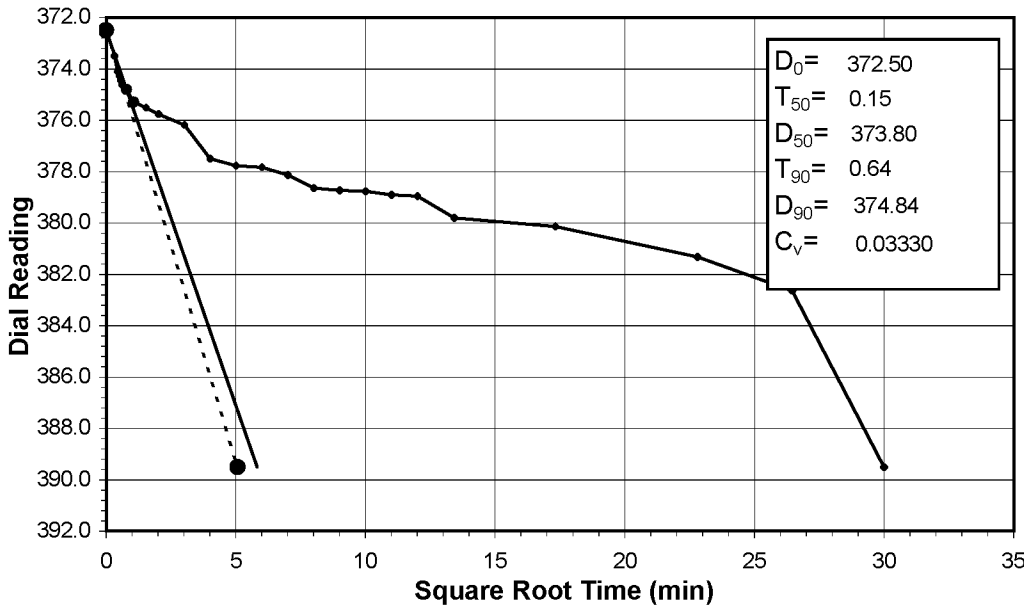
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ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates
 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-028

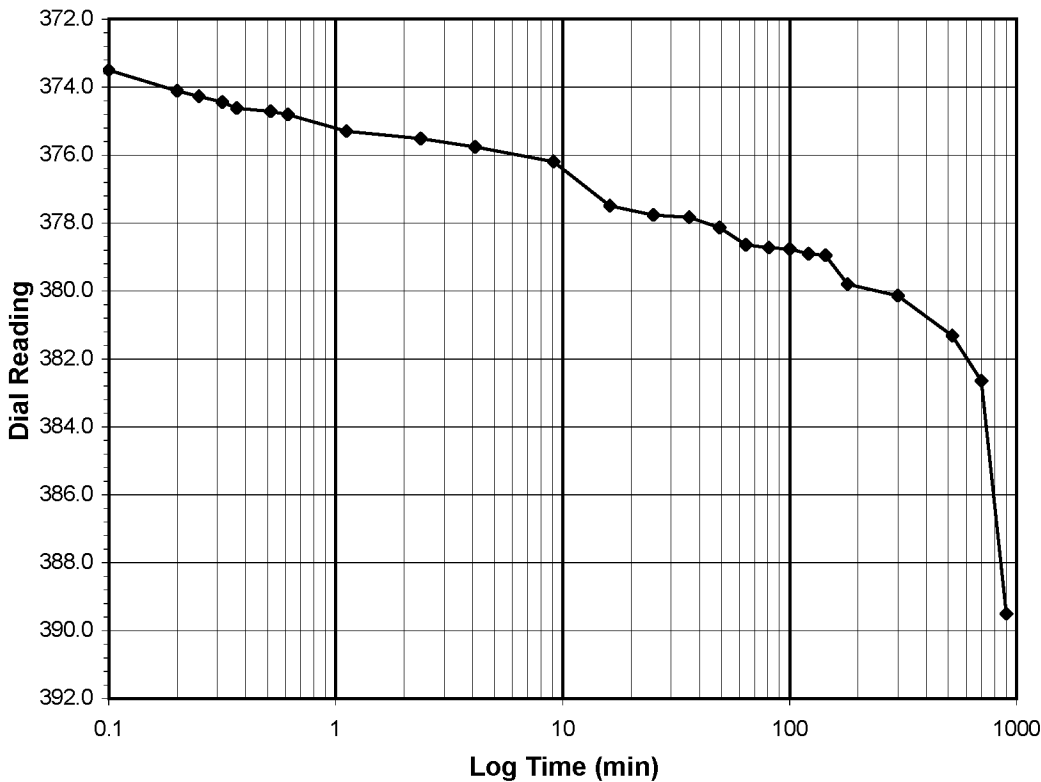
Boring No. R-6-1b
 Depth (ft) 225.0-225.2
 Sample No. ST-22
 Visual Description Gray Sand w/Some Cemented Pieces

Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf)	1.0-2.0
Final Reading (div)	389.5
Consolidometer No.	G1421
1 Division (in)	0.0001
Start Date	12/5/13
Start Time	0:18:37

Elapsed Time (min)	Dial Reading (div)
Initial	355.4
0.10	373.5
0.20	374.1
0.25	374.3
0.32	374.4
0.37	374.6
0.52	374.7
0.62	374.8
1.12	375.3
2.37	375.5
4.12	375.8
9.12	376.2
16.12	377.5
25.12	377.8
36.13	377.8
49.13	378.1
64.13	378.6
81.13	378.7
100.13	378.8
121.13	378.9
144.13	379.0
180.13	379.8
300.13	380.1
520.13	381.3
700.13	382.6
900.02	389.5



Tested By **DB** Date **12/5/13** Checked By **TM** Date **12/12/13**

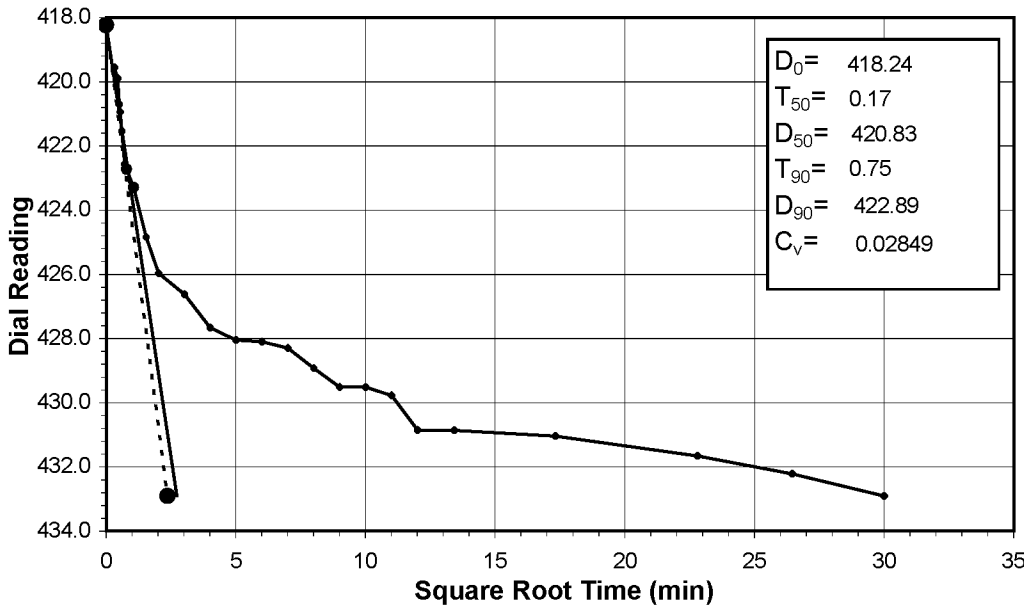
ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates
 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-028

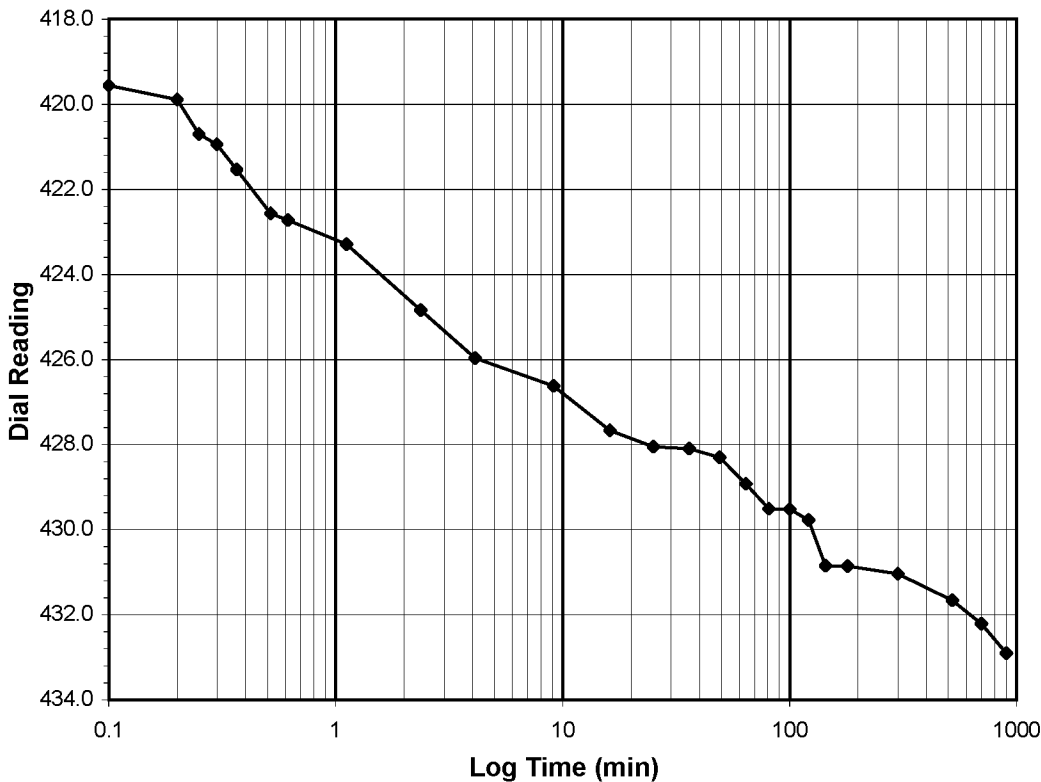
Boring No. R-6-1b
 Depth (ft) 225.0-225.2
 Sample No. ST-22
 Visual Description Gray Sand w/Some Cemented Pieces

Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf)	2.0-4.0
Final Reading (div)	432.9
Consolidometer No.	G1421
1 Division (in)	0.0001
Start Date	12/5/13
Start Time	15:18:38

Elapsed Time (min)	Dial Reading (div)
Initial	389.5
0.10	419.6
0.20	419.9
0.25	420.7
0.30	420.9
0.37	421.5
0.52	422.6
0.62	422.7
1.12	423.3
2.37	424.8
4.12	426.0
9.12	426.6
16.12	427.7
25.12	428.1
36.12	428.1
49.13	428.3
64.13	428.9
81.13	429.5
100.13	429.5
121.13	429.8
144.13	430.8
180.13	430.9
300.13	431.0
520.13	431.7
700.13	432.2
900.32	432.9



Tested By **DB** Date **12/5/13** Checked By **TM** Date **12/12/13**

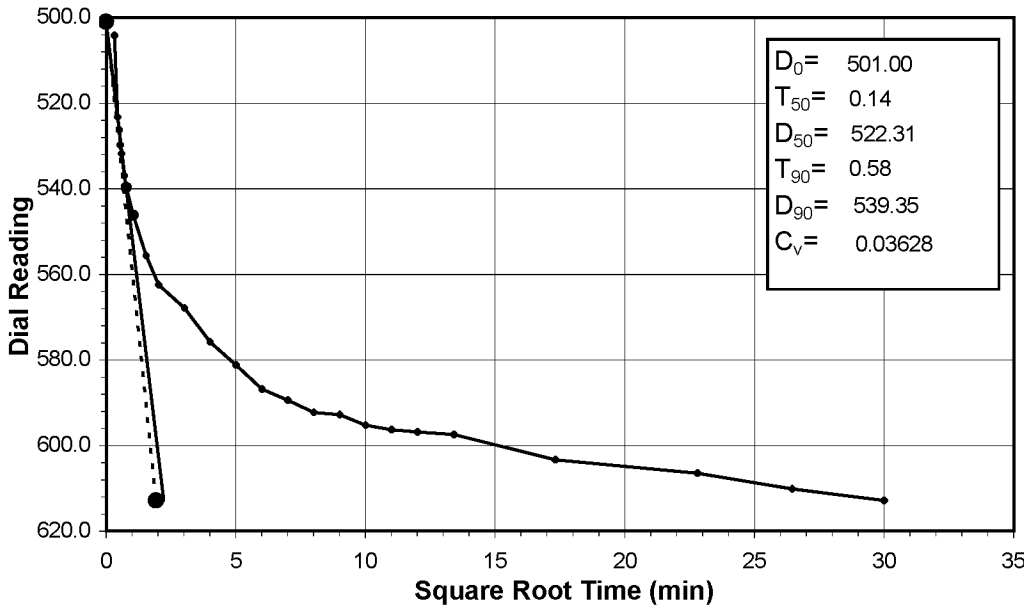
ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates
 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-028

Boring No. R-6-1b
 Depth (ft) 225.0-225.2
 Sample No. ST-22
 Visual Description Gray Sand w/Some Cemented Pieces

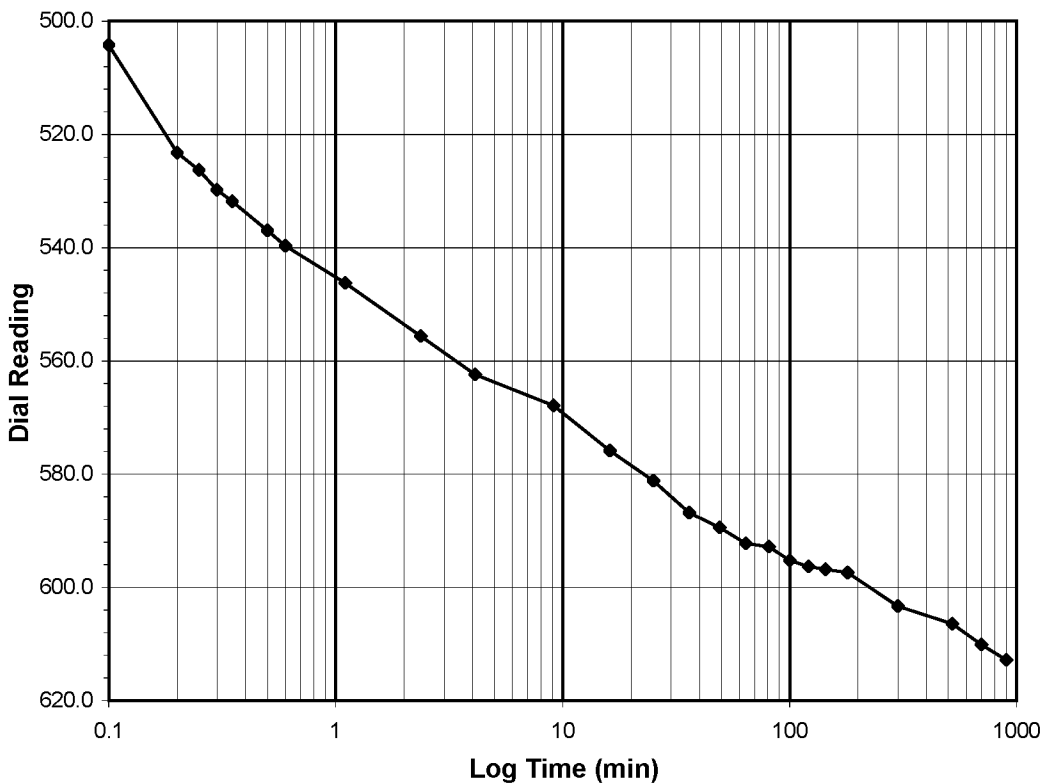
Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf) 4.0-8.0
Final Reading (div) 612.8
 Consolidometer No. **G1421**
 1 Division (in) 0.0001

Start Date 12/6/13
 Start Time 6:18:57

Elapsed Time (min)	Dial Reading (div)
Initial	432.9
0.10	504.2
0.20	523.3
0.25	526.3
0.30	529.8
0.35	531.8
0.50	537.0
0.60	539.7
1.10	546.2
2.37	555.6
4.12	562.4
9.12	567.9
16.12	575.8
25.12	581.2
36.12	586.8
49.12	589.4
64.12	592.2
81.12	592.8
100.12	595.2
121.12	596.3
144.12	596.8
180.12	597.4
300.12	603.3
520.12	606.5
700.12	610.1
900.42	612.8



Tested By DB Date 12/6/13 Checked By TM Date 12/12/13

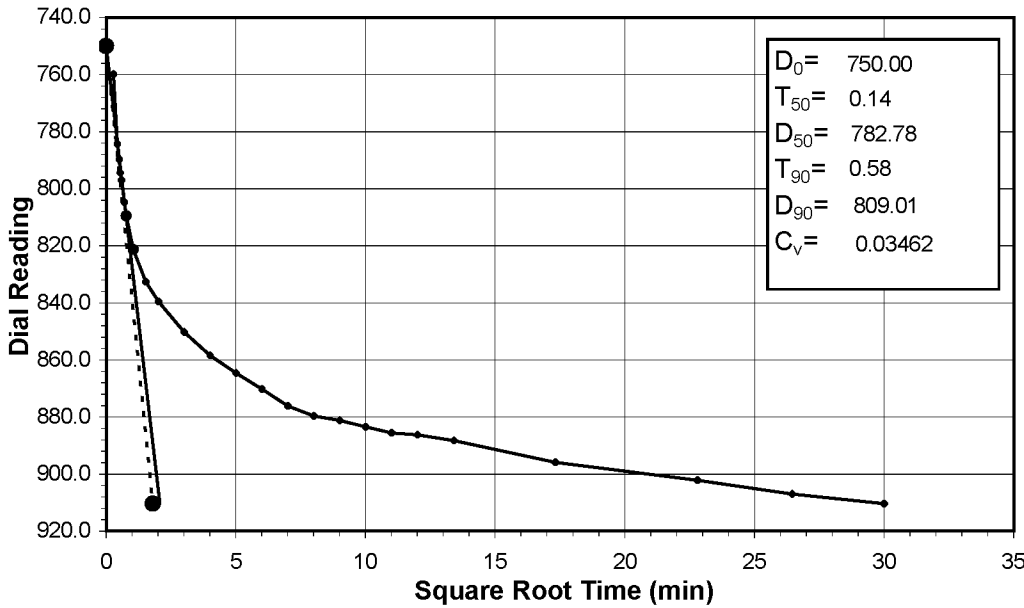
ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates
 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-028

Boring No. R-6-1b
 Depth (ft) 225.0-225.2
 Sample No. ST-22
 Visual Description Gray Sand w/Some Cemented Pieces

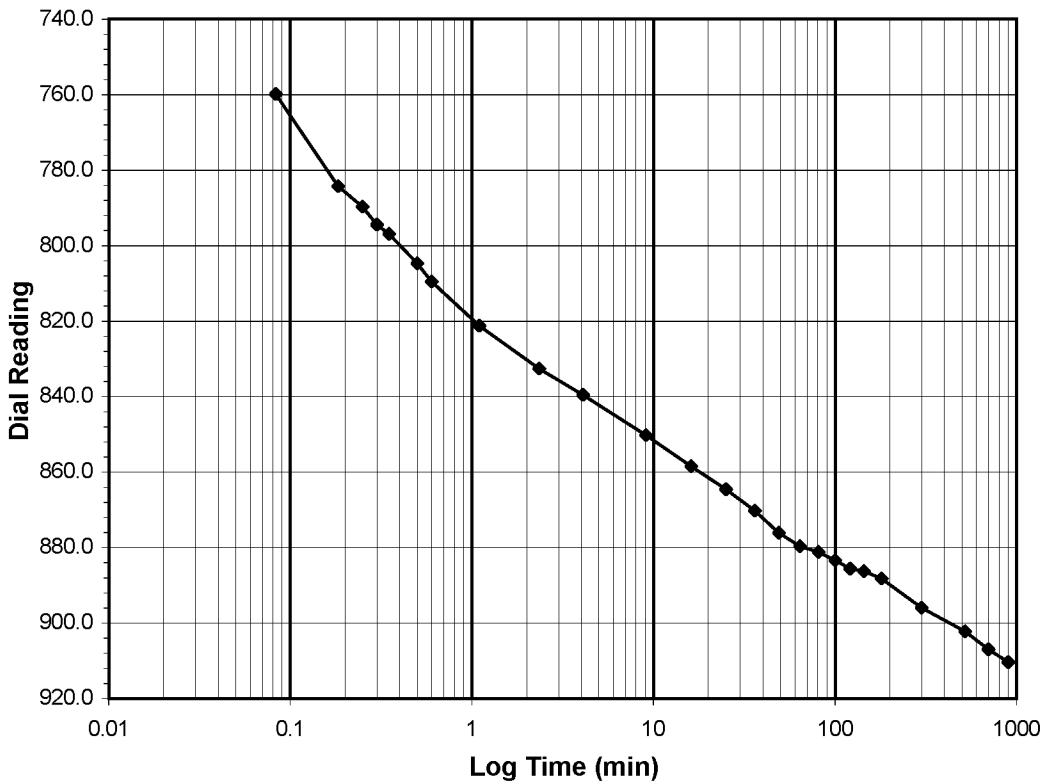
Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf) 8.0-16.0
Final Reading (div) 910.4
 Consolidometer No. G1421
 1 Division (in) 0.0001

Start Date 12/6/13
 Start Time 21:19:22

Elapsed Time (min)	Dial Reading (div)
Initial	612.8
0.08	759.9
0.18	784.3
0.25	789.7
0.30	794.4
0.35	796.9
0.50	804.7
0.60	809.6
1.10	821.3
2.35	832.6
4.10	839.6
9.10	850.2
16.10	858.5
25.10	864.6
36.10	870.2
49.12	876.1
64.12	879.6
81.12	881.2
100.12	883.4
121.12	885.6
144.12	886.2
180.12	888.2
300.12	895.9
520.12	902.2
700.12	907.0
900.37	910.4



Tested By DB Date 12/6/13 Checked By TM Date 12/12/13

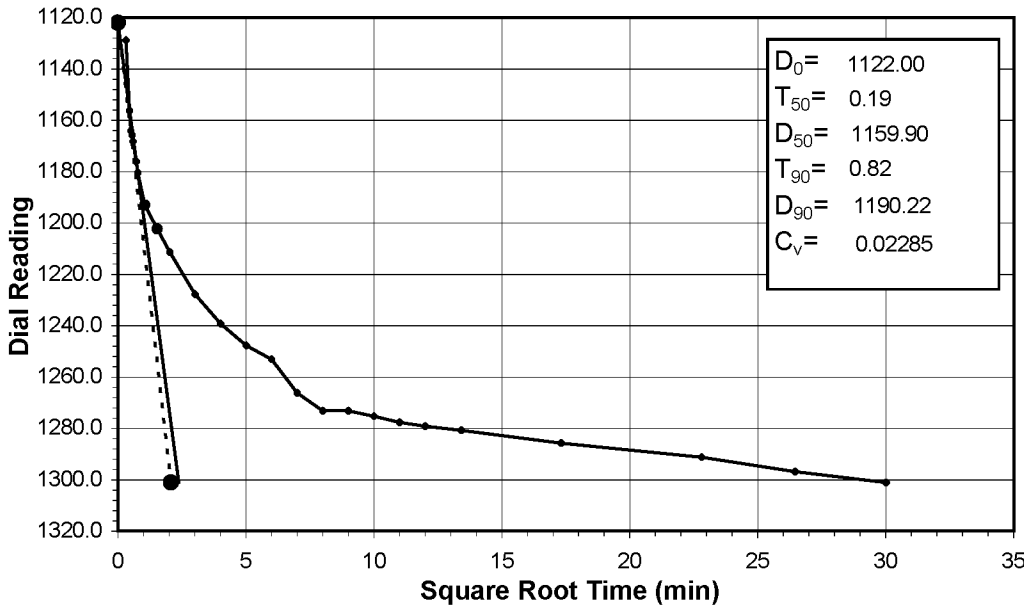
ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates
 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-028

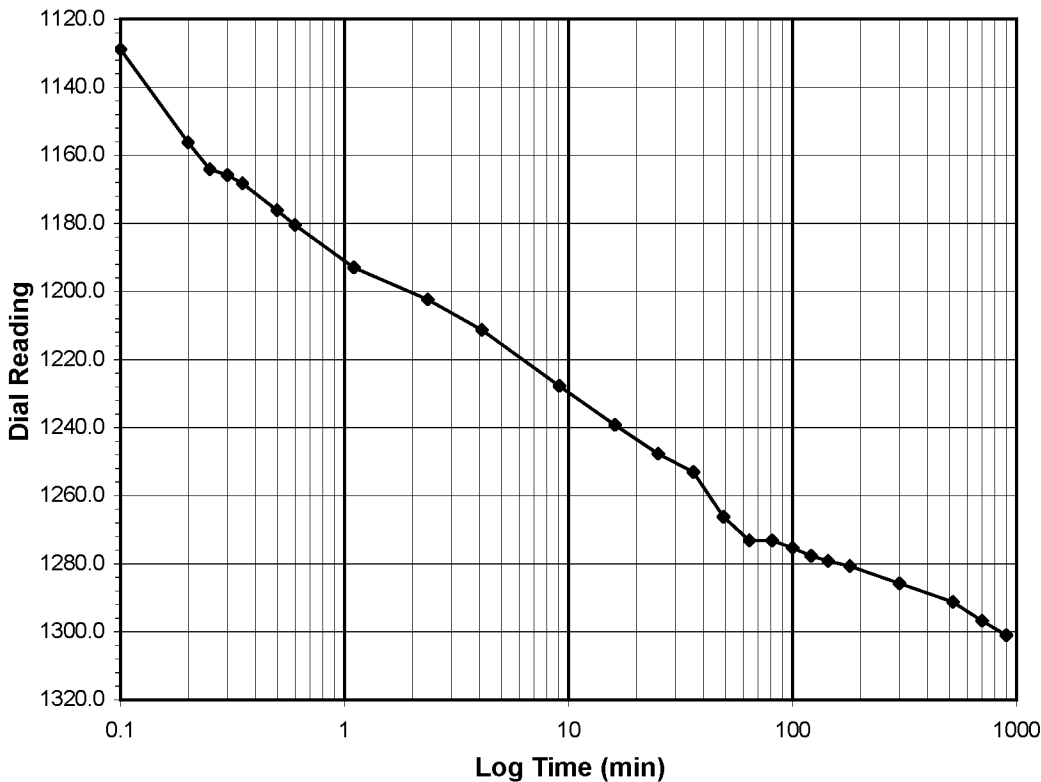
Boring No. R-6-1b
 Depth (ft) 225.0-225.2
 Sample No. ST-22
 Visual Description Gray Sand w/Some
 Cemented Pieces

Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf)	16.0-32.0
Final Reading (div)	1301.1
Consolidometer No.	G1421
1 Division (in)	0.0001
Start Date	12/7/13
Start Time	12:19:46

Elapsed Time (min)	Dial Reading (div)
Initial	910.4
0.10	1128.9
0.20	1156.2
0.25	1164.1
0.30	1165.8
0.35	1168.2
0.50	1176.1
0.60	1180.5
1.10	1193.0
2.35	1202.4
4.10	1211.3
9.10	1227.8
16.10	1239.2
25.10	1247.7
36.10	1253.1
49.10	1266.2
64.10	1273.2
81.10	1273.2
100.12	1275.3
121.12	1277.7
144.12	1279.2
180.12	1280.7
300.12	1285.8
520.12	1291.2
700.12	1296.8
900.33	1301.1



Tested By **DB** Date **12/7/13** Checked By **TM** Date **12/12/13**

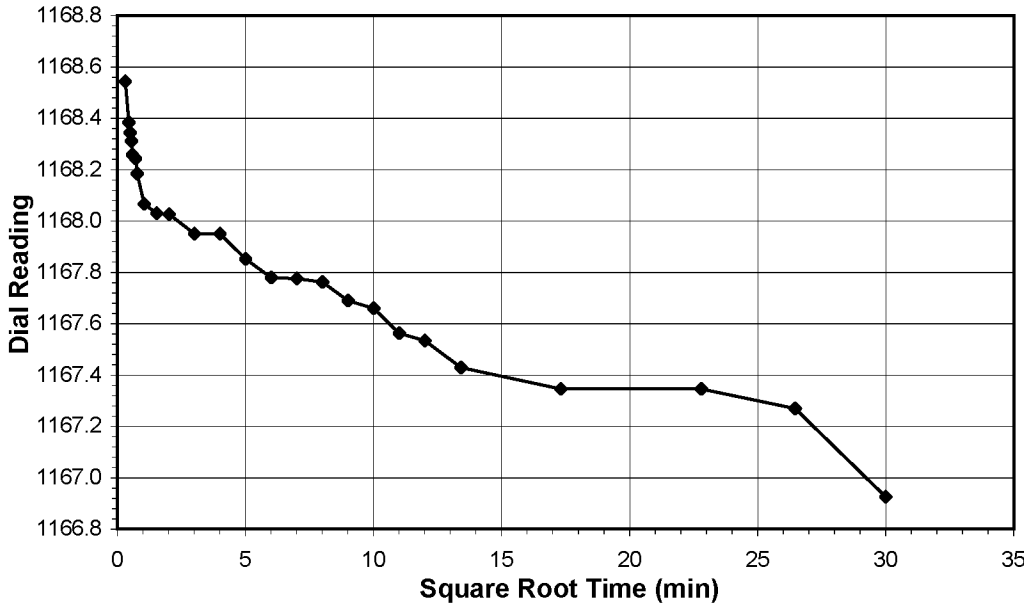
ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates
 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-028

Boring No. R-6-1b
 Depth (ft) 225.0-225.2
 Sample No. ST-22
 Visual Description Gray Sand w/Some Cemented Pieces

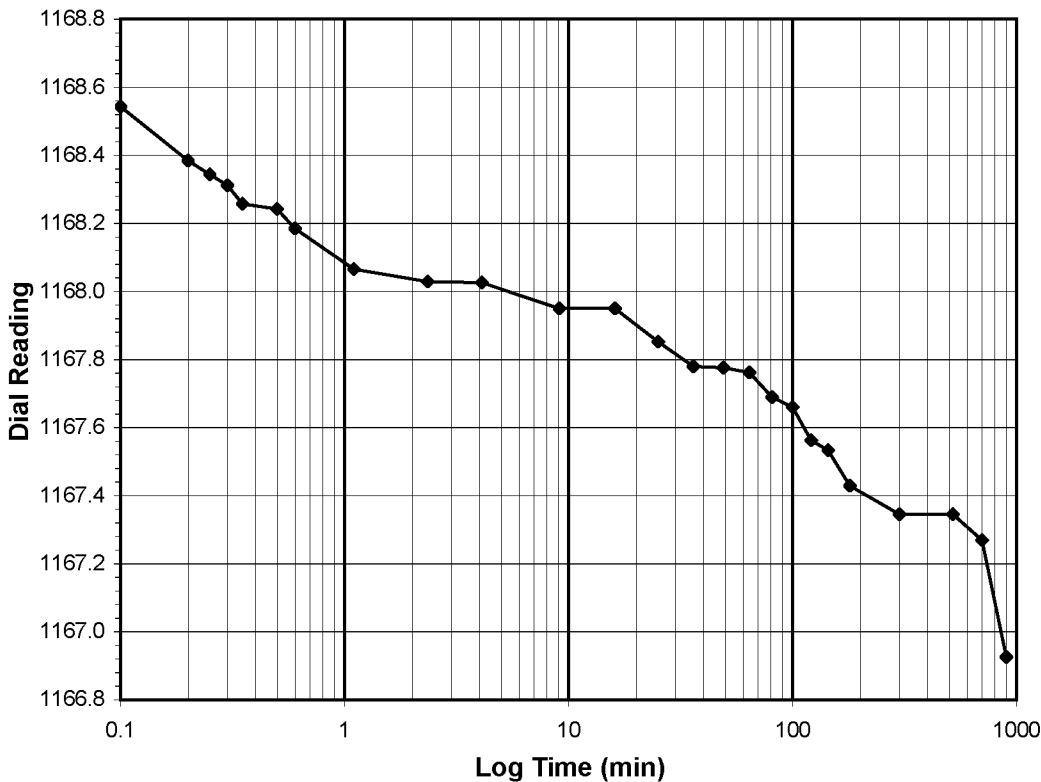
Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf) 32.0-8.0
Final Reading (div) 1166.9
 Consolidometer No. G1421
 1 Division (in) 0.0001

Start Date 12/8/13
 Start Time 3:20:06

Elapsed Time (min)	Dial Reading (div)
Initial	1301.1
0.10	1168.5
0.20	1168.4
0.25	1168.3
0.30	1168.3
0.35	1168.3
0.50	1168.2
0.60	1168.2
1.10	1168.1
2.35	1168.0
4.10	1168.0
9.10	1167.9
16.10	1167.9
25.10	1167.9
36.12	1167.8
49.12	1167.8
64.12	1167.8
81.12	1167.7
100.12	1167.7
121.12	1167.6
144.12	1167.5
180.12	1167.4
300.12	1167.3
520.12	1167.3
700.12	1167.3
900.15	1166.9



Tested By DB Date 12/8/13 Checked By TM Date 12/12/13

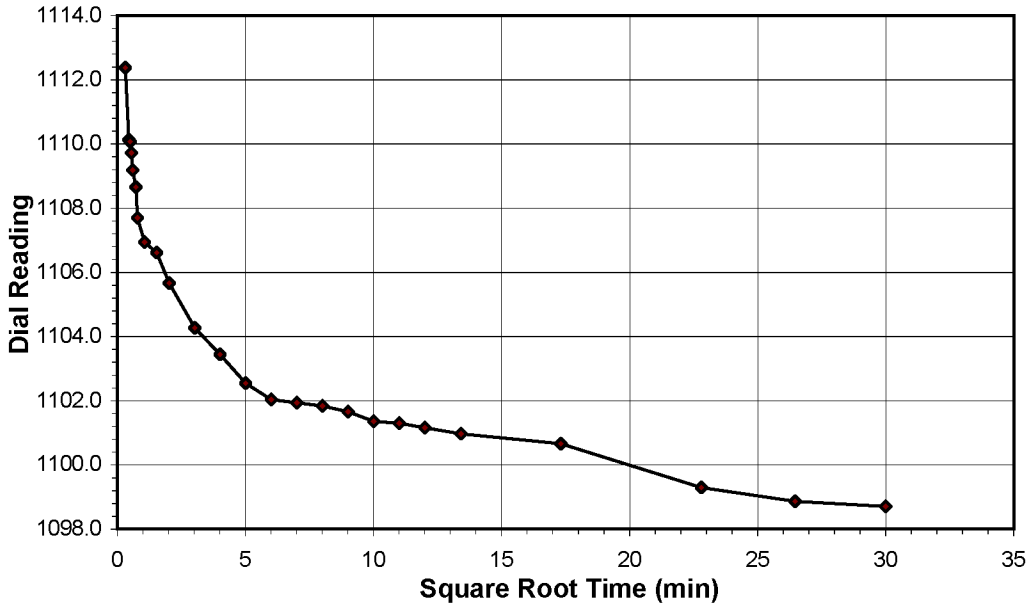
ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates
 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-028

Boring No. R-6-1b
 Depth (ft) 225.0-225.2
 Sample No. ST-22
 Visual Description Gray Sand w/Some Cemented Pieces

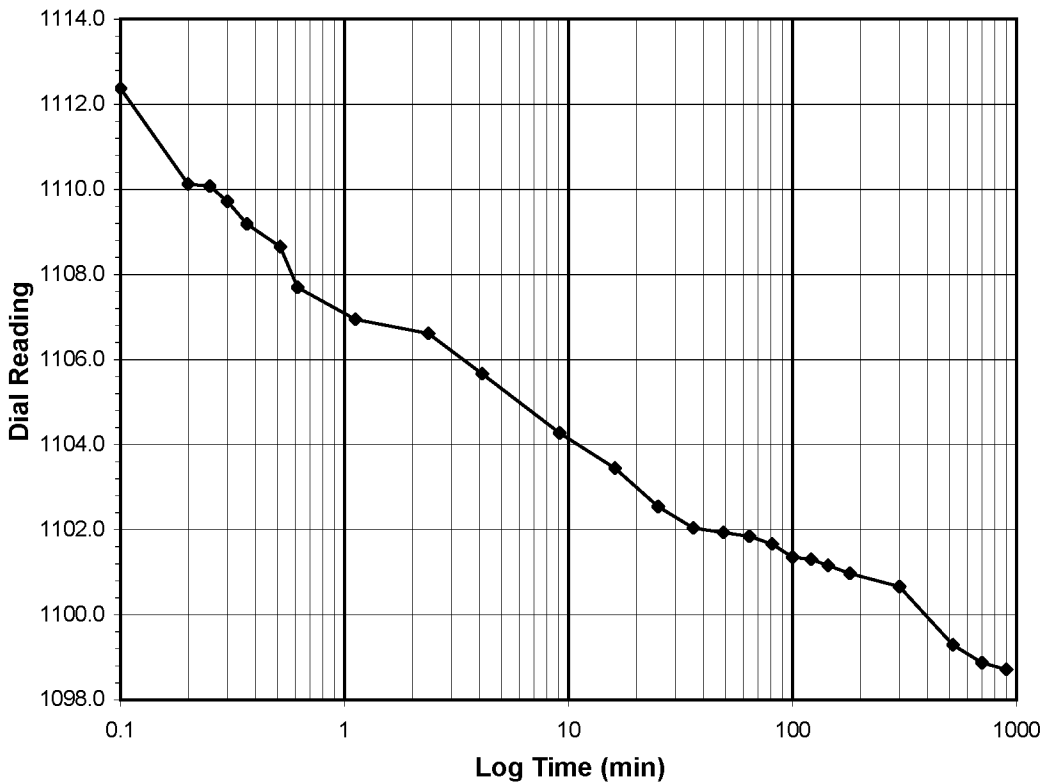
Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf) 8.0-2.0
Final Reading (div) 1098.7
 Consolidometer No. G1421
 1 Division (in) 0.0001

Start Date 12/8/13
Start Time 18:20:15

Elapsed Time (min)	Dial Reading (div)
Initial	1166.9
0.10	1112.4
0.20	1110.1
0.25	1110.1
0.30	1109.7
0.37	1109.2
0.52	1108.7
0.62	1107.7
1.12	1106.9
2.37	1106.6
4.12	1105.7
9.12	1104.3
16.12	1103.4
25.12	1102.5
36.12	1102.0
49.12	1101.9
64.12	1101.8
81.12	1101.7
100.12	1101.4
121.13	1101.3
144.13	1101.2
180.13	1101.0
300.13	1100.7
520.13	1099.3
700.13	1098.9
900.25	1098.7



Tested By DB Date 12/8/13 Checked By TM Date 12/12/13

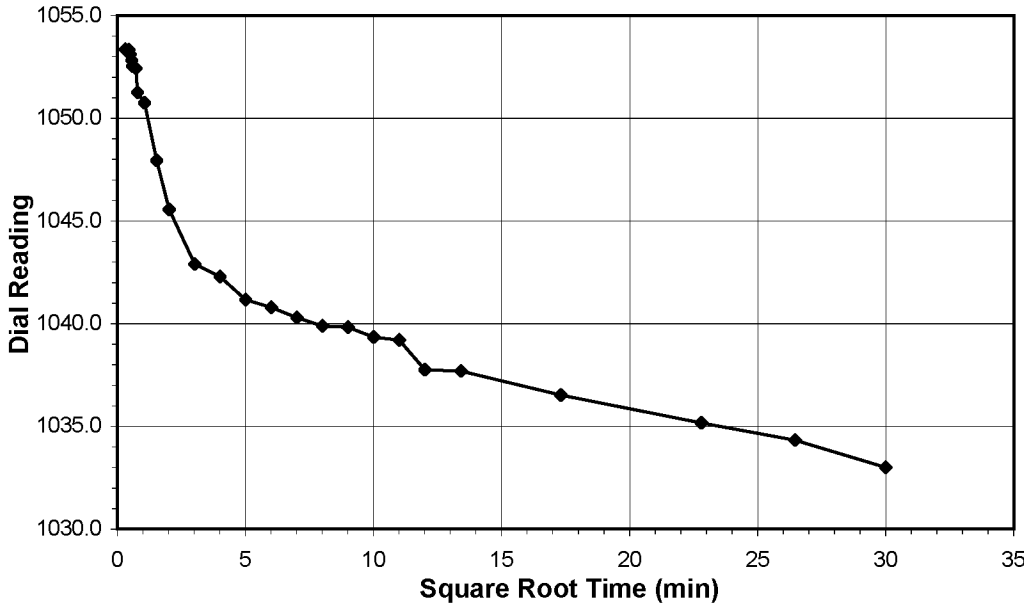
ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates
 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-028

Boring No. R-6-1b
 Depth (ft) 225.0-225.2
 Sample No. ST-22
 Visual Description Gray Sand w/Some Cemented Pieces

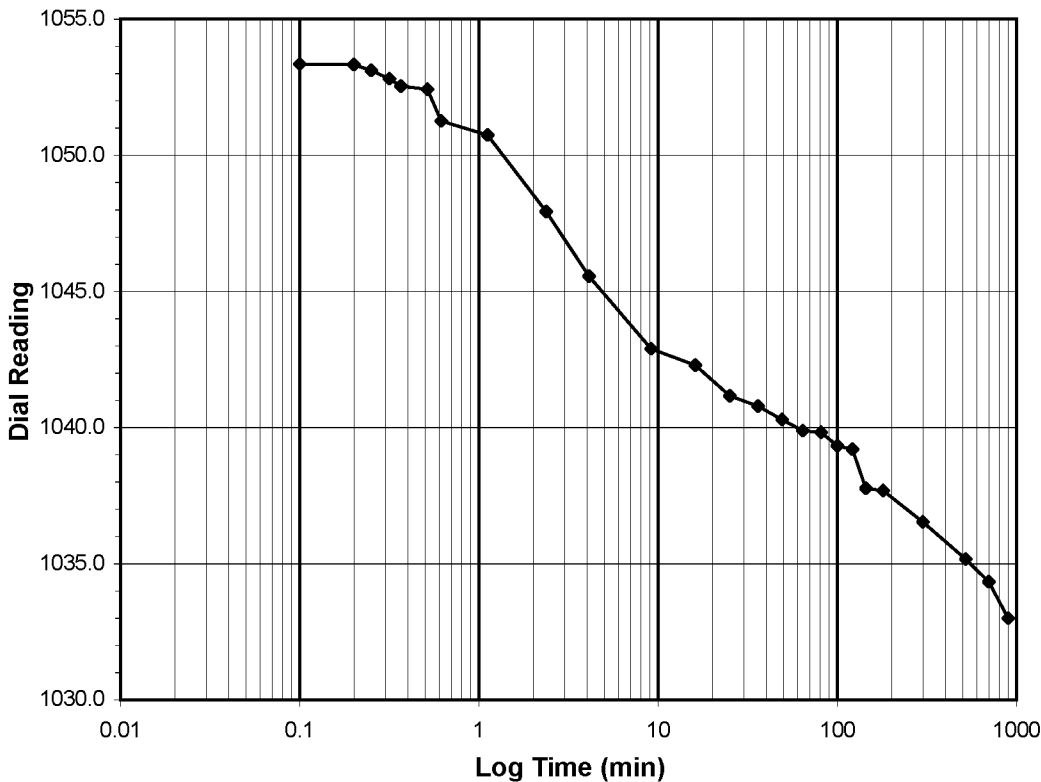
Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf) 2.0-0.5
Final Reading (div) 1033.0
 Consolidometer No. G1421
 1 Division (in) 0.0001

Start Date 12/9/13
Start Time 9:20:30

Elapsed Time (min)	Dial Reading (div)
Initial	1098.7
0.10	1053.4
0.20	1053.3
0.25	1053.1
0.32	1052.8
0.37	1052.5
0.52	1052.4
0.62	1051.3
1.12	1050.8
2.37	1047.9
4.12	1045.6
9.12	1042.9
16.12	1042.3
25.12	1041.2
36.13	1040.8
49.13	1040.3
64.13	1039.9
81.13	1039.8
100.13	1039.3
121.13	1039.2
144.13	1037.8
180.13	1037.7
300.13	1036.5
520.13	1035.2
700.13	1034.3
900.37	1033.0



Tested By DB Date 12/9/13 Checked By TM Date 12/12/13

ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client	Paul C. Rizzo & Associates	Boring No.	R-6-1b
Client Reference	Turkey Point Units 6 & 7 Site	Depth (ft)	225.0-225.2
Project No.	2013-465-001	Sample No.	ST-22
Lab ID	2013-465-001-028	Visual Description	Gray Sand w/Some Cemented Pieces

Sample Conditions: Undisturbed, Inundated And Double Drained**Consolidometer No.** G1421**1 Division** = 0.0001 (in)

<u>Sample Properties</u>	<u>Initial</u>	<u>Final</u>	<u>Test Data Summary</u>							
			<u>Applied</u>	<u>Final Dial</u>	<u>Machine</u>	<u>Corrected</u>	<u>Height of</u>	<u>Volume</u>	<u>Dry</u>	<u>Void</u>
			<u>Pressure</u>	<u>Reading</u>	<u>Deflection</u>	<u>Reading</u>	<u>Sample</u>	<u>(cm³)</u>	<u>Density</u>	<u>Ratio</u>
			(tsf)	(div)	(div)	(div)	(mm)		(g/cm ³)	
<i>Water Content</i>										
Tare Number	2683	2650								
Wt. Tare & WS (g)	230.35	163.22								
Wt. Tare & DS (g)	194.10	140.27								
Wt. Water (g)	36.25	22.95	Seating	0	0	0	25.400	80.440	1.66416	0.58638
Wt. Tare (g)	6.56	6.65	0.25	75.3	17.7	57.6	25.254	79.976	1.67381	0.57724
Wt. DS (g)	187.54	133.62	0.5	124.6	26.9	97.8	25.152	79.653	1.68059	0.57088
Water Content (%)	19.33	17.18	1	184.3	36.4	147.9	25.024	79.250	1.68914	0.56292
			2	276.0	63.4	212.6	24.860	78.729	1.70032	0.55265
			4	420.4	93.2	327.3	24.569	77.807	1.72047	0.53446
<u>Sample Parameters</u>			1	367.7	48.6	319.2	24.589	77.872	1.71903	0.53575
Sample Diameter (in)	2.5	2.5	0.25	326.7	26.1	300.6	24.637	78.022	1.71573	0.53870
Sample Height (in)	1.0000	0.9004	0.5	336.8	31.3	305.6	24.624	77.982	1.71661	0.53791
Sample Volume (cm ³)	80.44	72.43	1	355.4	41.0	314.3	24.602	77.912	1.71817	0.53652
Wt. Wet Sample + Ring (g)	374.71	371.83	2	389.5	64.7	324.8	24.575	77.827	1.72004	0.53485
Wt. of Ring (g)	214.97	214.97	4	432.9	93.4	339.5	24.538	77.709	1.72264	0.53253
Wt. of Wet Sample (g)	159.74	156.86	8	612.8	126.0	486.8	24.164	76.524	1.74932	0.50916
Wet Density (pcf)	123.92	135.14	16	910.4	170.6	739.7	23.521	74.489	1.79710	0.46903
Wet Density (g/cm ³)	1.99	2.17	32	1301.1	241.5	1059.6	22.709	71.916	1.86139	0.41829
Water Content (%)	19.33	17.18	8	1166.9	140.4	1026.6	22.793	72.182	1.85454	0.42353
Wt. of Dry Sample (g)	133.86	133.86	2	1098.7	80.8	1017.9	22.815	72.252	1.85276	0.42490
Dry Density (pcf)	103.84	115.33	0.5	1033.0	36.9	996.1	22.870	72.427	1.84827	0.42836
Dry Density (g/cm ³)	1.66	1.85								
Void Ratio	0.5864	0.4284								
Saturation (%)	87.02	105.85								
Specific Gravity	2.64	Measured								

<i>Tested By</i>	DB	<i>Date</i>	11/29/13	<i>Input Checked By</i>	TM	<i>Date</i>	12/12/13
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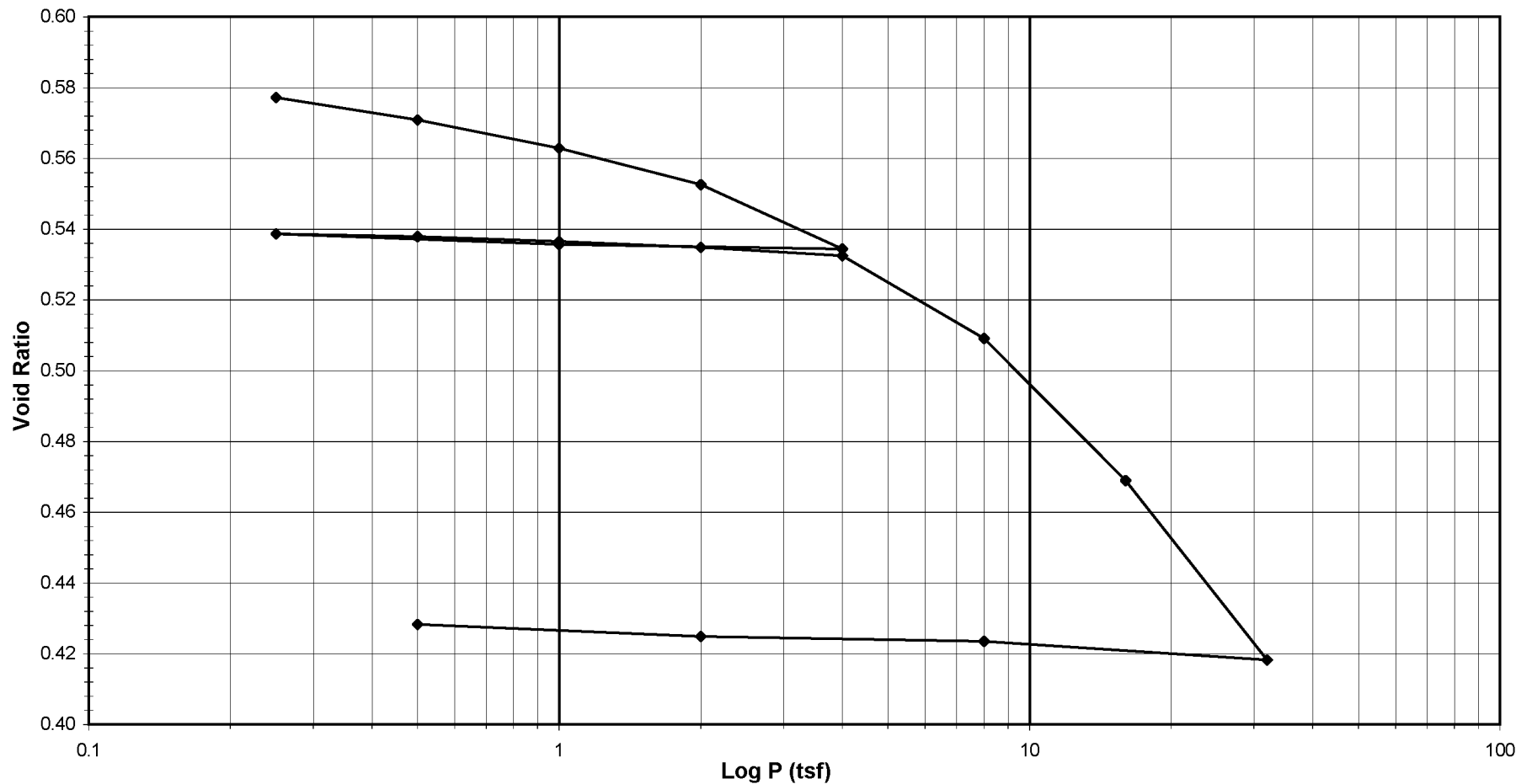
ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates
 Client Reference Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-028

Boring No. R-6-1b
 Depth (ft) 225.0-225.2
 Sample No. ST-22
 Visual Description Gray Sand w/Some
 Cemented Pieces

Sample Conditions: Undisturbed, Inundated And Double Drained



Tested By DB Date 11/29/13 Approved By RJO Date 12/12/13

ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client	Paul C. Rizzo & Associates	Boring No.	R-6-1b
Client Reference	Turkey Point Units 6 & 7 Site	Depth (ft)	225.0-225.2
Project No.	2013-465-001	Sample No.	ST-22
Lab ID	2013-465-001-028	Visual Description	Gray Sand w/Some Cemented Pieces

Sample Conditions: Undisturbed, Inundated And Double Drained**Consolidometer No.** G1421**1 Division** = 0.0001 (in)**C_v Test Data Summary**

<u>Sample Properties</u>	<u>Initial</u>	<u>Final</u>	<u>Load</u>	<u>Dial</u>	<u>Machine</u>	<u>Corrected</u>	<u>Sample</u>	<u>Time</u>	<u>C_v</u>
			<u>Increment</u>	<u>Reading</u>	<u>Deflection</u>	<u>Dial Reading</u>	<u>Height</u>	<u>t₅₀</u>	
			(tsf)	@ t ₅₀ (div)	(div)	@ t ₅₀ (div)	@ t ₅₀ (mm)	(min)	(cm ² /sec)
<i>Water Content</i>									
Tare Number	2683	2650							
Wt. Tare & WS (g)	230.35	163.22							
Wt. Tare & DS (g)	194.1	140.27							
Wt. Water (g)	36.25	22.95	Seating	NA	NA	NA	NA	NA	NA
Wt. Tare (g)	6.56	6.65	0.25	62.0	17.7	44.4	25.29	0.16	0.03310
Wt. DS (g)	187.54	133.62	0.5	105.1	26.9	78.2	25.20	0.28	0.01862
Water Content (%)	19.33	17.18	1	157.9	36.4	121.4	25.09	0.19	0.02763
			2	236.3	63.4	172.9	24.96	0.20	0.02613
			4	347.9	93.2	254.7	24.75	0.15	0.03458
<u>Sample Parameters</u>			1	NA	NA	NA	NA	NA	NA
Sample Diameter (in)	2.5	2.5	0.25	NA	NA	NA	NA	NA	NA
Sample Height (in)	1.0000	0.9004	0.5	334.7	31.3	303.5	24.63	0.16	0.03038
Sample Volume (cm ³)	80.44	72.43	1	348.5	41.0	307.5	24.62	0.15	0.03301
Wt. Wet Sample + Ring (g)	374.71	371.83	2	373.8	64.7	309.1	24.61	0.15	0.03330
Wt. of Ring (g)	214.97	214.97	4	420.8	93.4	327.4	24.57	0.17	0.02849
Wt. of Wet Sample (g)	159.74	156.86	8	522.3	126.0	396.3	24.39	0.14	0.03628
Wet Density (pcf)	123.92	135.14	16	782.8	170.6	612.2	23.85	0.14	0.03462
Wet Density (g/cm ³)	1.99	2.17	32	1159.9	241.5	918.4	23.07	0.19	0.02285
Water Content (%)	19.33	17.18	8	NA	NA	NA	NA	NA	NA
Wt. of Dry Sample (g)	133.86	133.86	2	NA	NA	NA	NA	NA	NA
Dry Density (pcf)	103.84	115.33	0.5	NA	NA	NA	NA	NA	NA
Dry Density (g/cm ³)	1.66	1.85							
Void Ratio	0.5864	0.4284							
Saturation (%)	87.02	105.85							
Specific Gravity	2.64	Measured							

<i>Tested By</i>	DB	<i>Date</i>	11/29/13	<i>Input Checked By</i>	TM	<i>Date</i>	12/12/13
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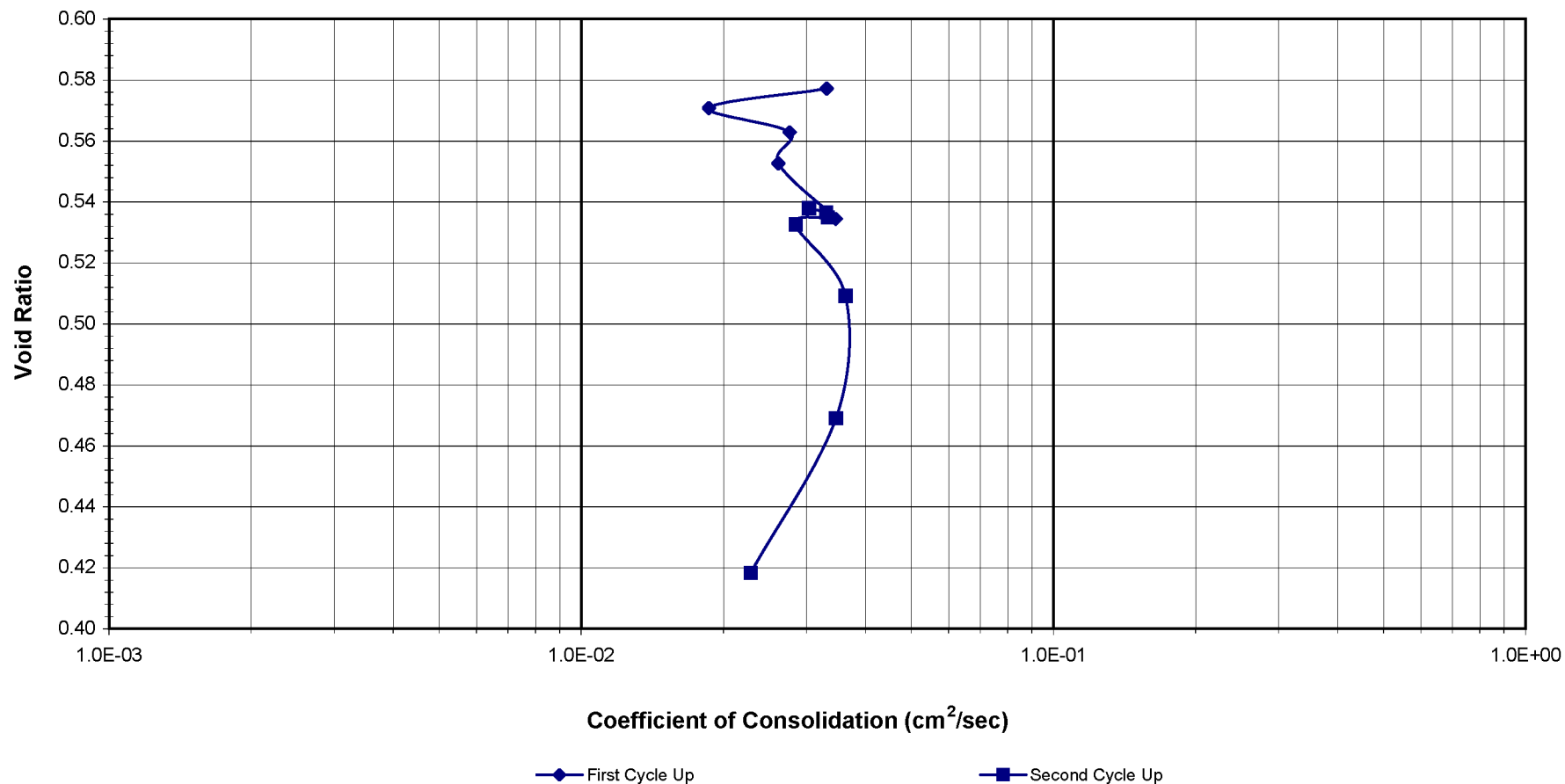
ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates
 Client Reference Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-028

Boring No. R-6-1b
 Depth (ft) 225.0-225.2
 Sample No. ST-22
 Visual Description Gray Sand w/Some
 Cemented Pieces

Sample Conditions: Undisturbed, Inundated And Double Drained



Tested By DB Date 11/29/13

Approved By RJO Date 12/12/13

One Dimensional Consolidation

ASTM D2435 / D2435M-11

EQUIPMENT LIST

Client	Paul C. Rizzo & Associates	Boring No.	R-6-1b
Client Reference	Turkey Point Units 6 & 7 Site	Depth (ft)	225.0-225.2
Project No.	2013-465-001	Sample No.	ST-22
Lab ID #	2013-465-001-028		

Equipment	Equipment ID#	Calibration Due Date
Calipers	G1122	12/3/13
Balance	G1394	5/15/14
Oven	G1387	8/16/14
Consolidometer	G1421	1/9/14
Load Cell	G1422	1/9/14
LVDT	G1423	1/9/14

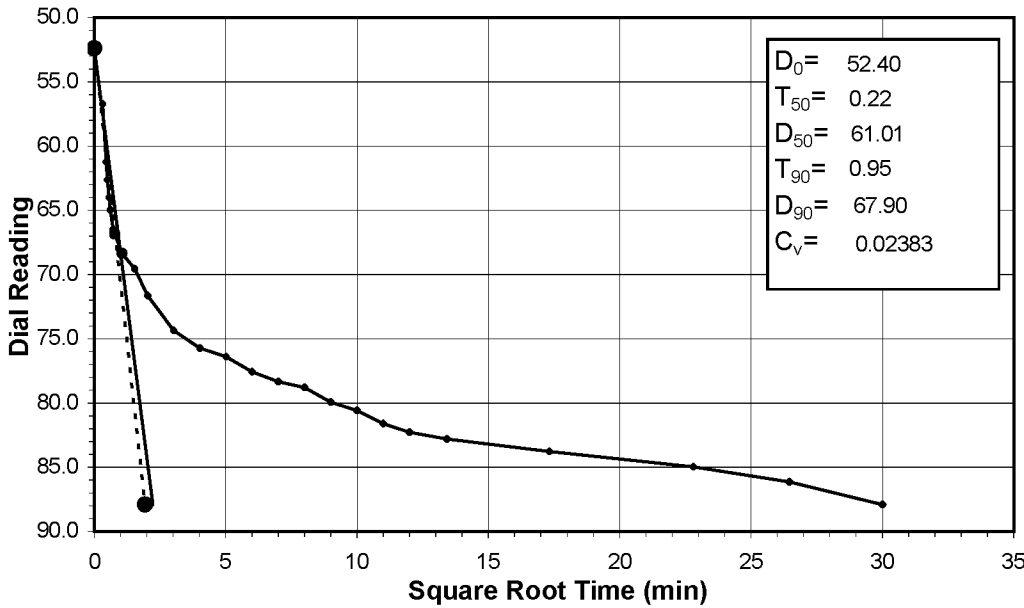
ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates
 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-003
 Lab ID 2013-465-003-001

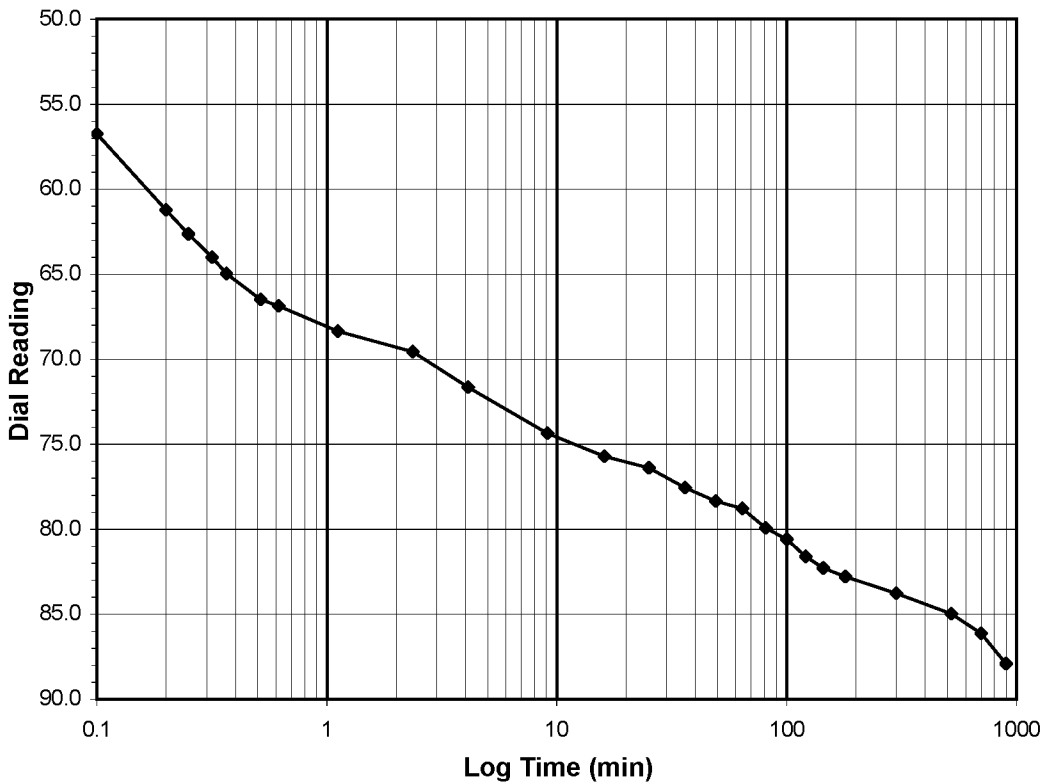
Boring No. R-6-1b
 Depth (ft) 260.1-260.3
 Sample No. ST-33
 Visual Description Gray Fine Sand

Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf)	0.0-0.25
Final Reading (div)	87.9
Consolidometer No.	G1424
1 Division (in)	0.0001
Start Date	11/29/13
Start Time	9:33:18

Elapsed Time (min)	Dial Reading (div)
<i>Initial</i>	0.0
0.10	56.7
0.20	61.2
0.25	62.6
0.32	64.0
0.37	65.0
0.52	66.5
0.62	66.9
1.12	68.4
2.37	69.6
4.12	71.7
9.12	74.4
16.13	75.7
25.13	76.4
36.13	77.6
49.13	78.3
64.13	78.8
81.13	79.9
100.13	80.6
121.13	81.6
144.13	82.3
180.13	82.8
300.13	83.8
520.13	85.0
700.13	86.1
900.32	87.9



Tested By **DB** Date **11/29/13** Checked By **TM** Date **12/12/13**

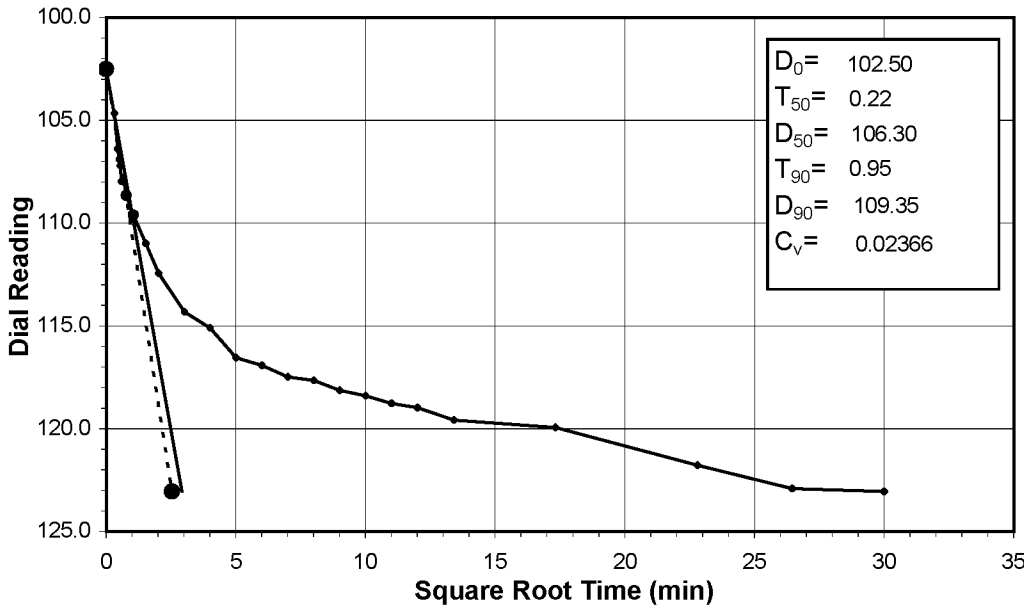
ONE DIMENSIONAL CONSOLIDATION

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 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-003
 Lab ID 2013-465-003-001

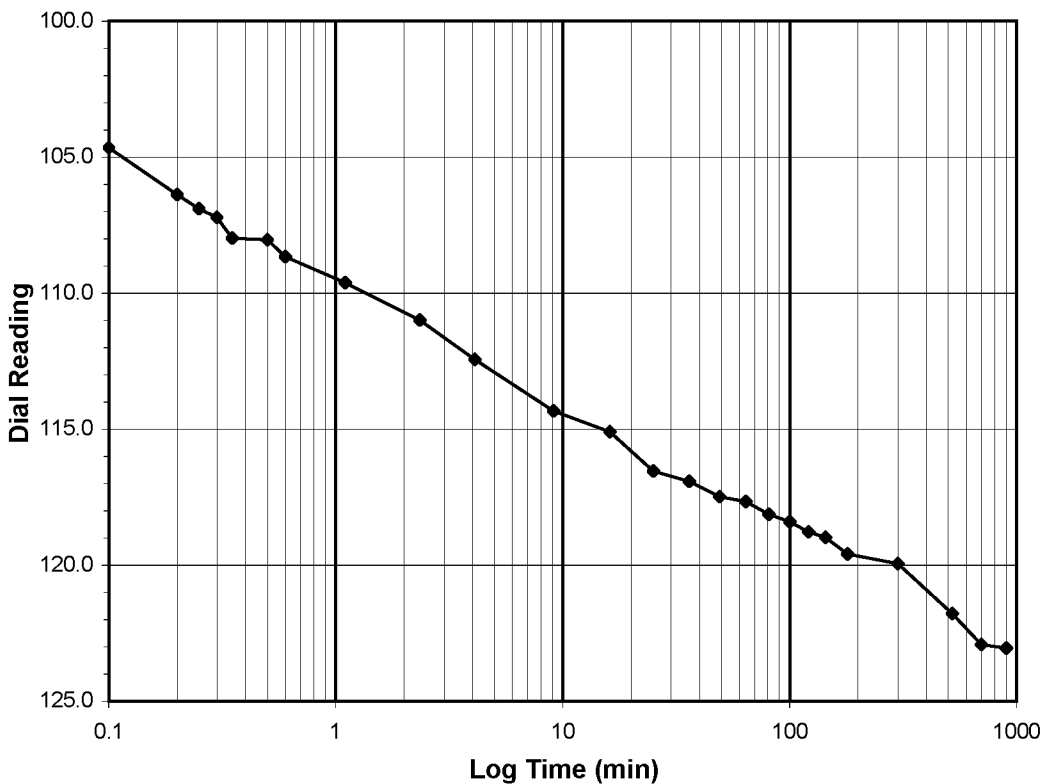
Boring No. R-6-1b
 Depth (ft) 260.1-260.3
 Sample No. ST-33
 Visual Description Gray Fine Sand

Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf)	0.25-0.5
Final Reading (div)	123.1
Consolidometer No.	G1424
1 Division (in)	0.0001
Start Date	11/30/13
Start Time	0:33:37

Elapsed Time (min)	Dial Reading (div)
Initial	87.9
0.10	104.7
0.20	106.4
0.25	106.9
0.30	107.2
0.35	108.0
0.50	108.0
0.60	108.7
1.10	109.6
2.35	111.0
4.10	112.4
9.12	114.3
16.12	115.1
25.12	116.5
36.12	116.9
49.12	117.5
64.12	117.7
81.12	118.1
100.12	118.4
121.12	118.8
144.12	119.0
180.12	119.6
300.12	119.9
520.12	121.8
700.12	122.9
900.33	123.1



Tested By **DB** Date **11/30/13** Checked By **TM** Date **12/12/13**

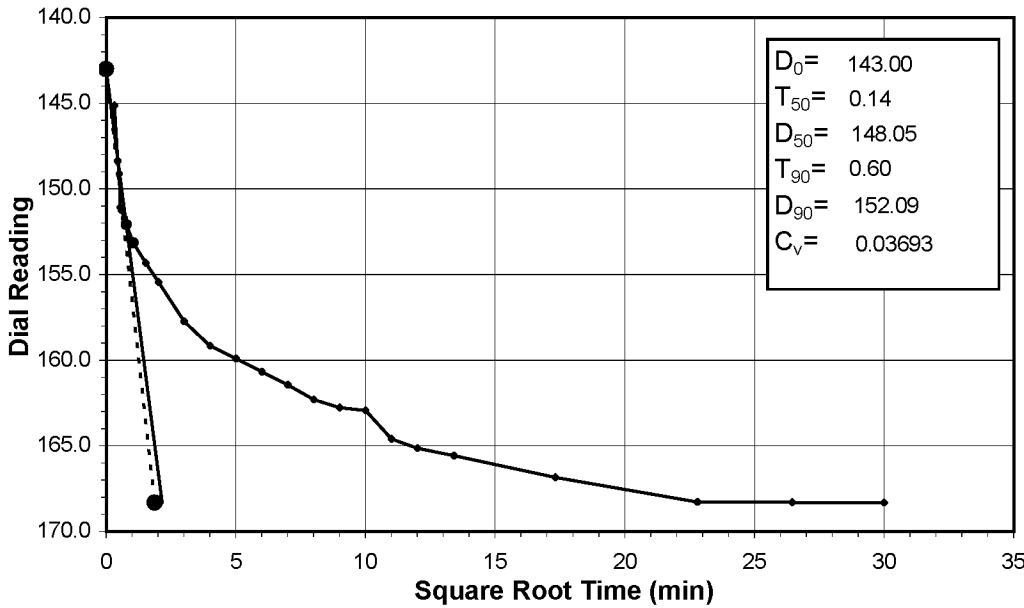
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 Project No. 2013-465-003
 Lab ID 2013-465-003-001

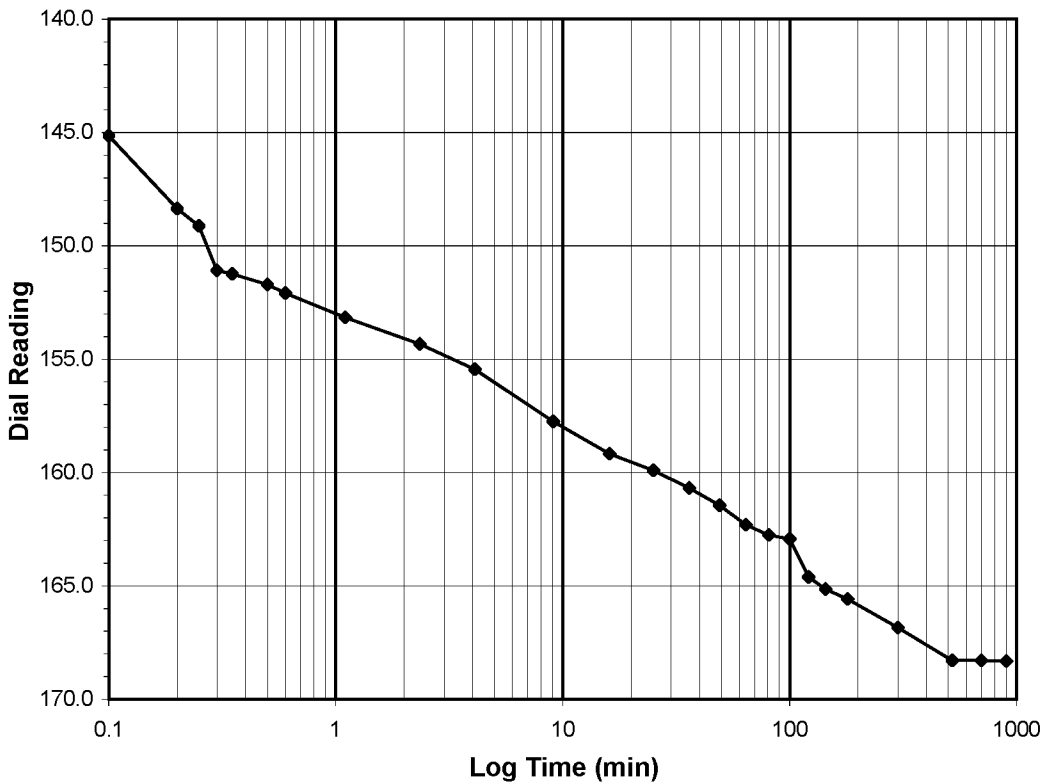
Boring No. R-6-1b
 Depth (ft) 260.1-260.3
 Sample No. ST-33
 Visual Description Gray Fine Sand

Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf)	0.5-1.0
Final Reading (div)	168.3
Consolidometer No.	G1424
1 Division (in)	0.0001
<hr/>	
Start Date	11/30/13
Start Time	15:33:57

Elapsed Time (min)	Dial Reading (div)
<hr/>	
Initial	123.1
0.10	145.1
0.20	148.4
0.25	149.1
0.30	151.1
0.35	151.2
0.50	151.7
0.60	152.1
1.10	153.2
2.35	154.3
4.10	155.4
9.10	157.8
16.10	159.2
25.10	159.9
36.10	160.7
49.12	161.4
64.12	162.3
81.12	162.8
100.12	162.9
121.12	164.6
144.12	165.1
180.12	165.6
300.12	166.8
520.12	168.3
700.12	168.3
900.12	168.3



Tested By **DB** Date **11/30/13** Checked By **TM** Date **12/12/13**

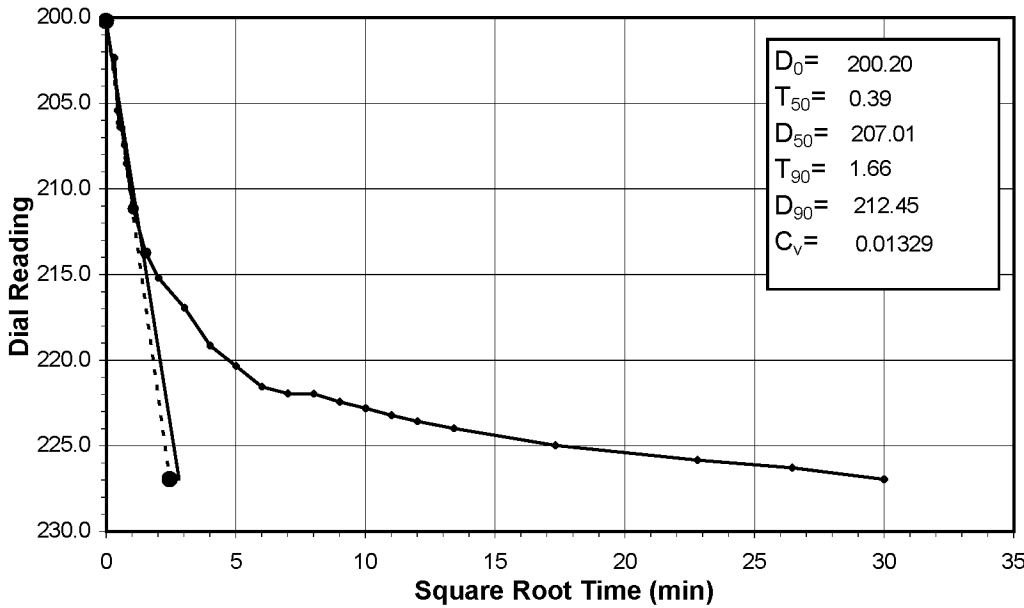
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 Project No. 2013-465-003
 Lab ID 2013-465-003-001

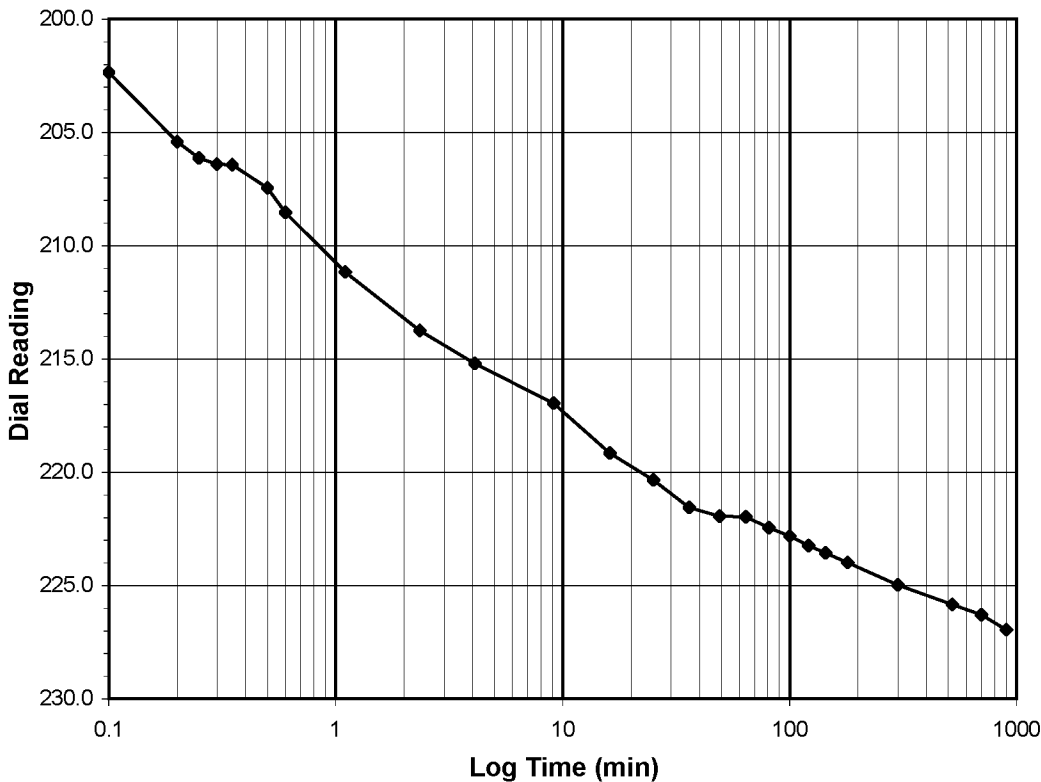
Boring No. R-6-1b
 Depth (ft) 260.1-260.3
 Sample No. ST-33
 Visual Description Gray Fine Sand

Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf)	1.0-2.0
Final Reading (div)	227.0
Consolidometer No.	G1424
1 Division (in)	0.0001
Start Date	12/1/13
Start Time	6:34:04

Elapsed Time (min)	Dial Reading (div)
Initial	168.3
0.10	202.4
0.20	205.4
0.25	206.1
0.30	206.4
0.35	206.4
0.50	207.4
0.60	208.5
1.10	211.2
2.35	213.7
4.10	215.2
9.12	216.9
16.12	219.2
25.12	220.3
36.12	221.6
49.12	221.9
64.12	222.0
81.12	222.4
100.12	222.8
121.12	223.2
144.12	223.6
180.12	224.0
300.12	225.0
520.12	225.8
700.13	226.3
900.17	227.0



Tested By **DB** Date **12/1/13** Checked By **TM** Date **12/12/13**

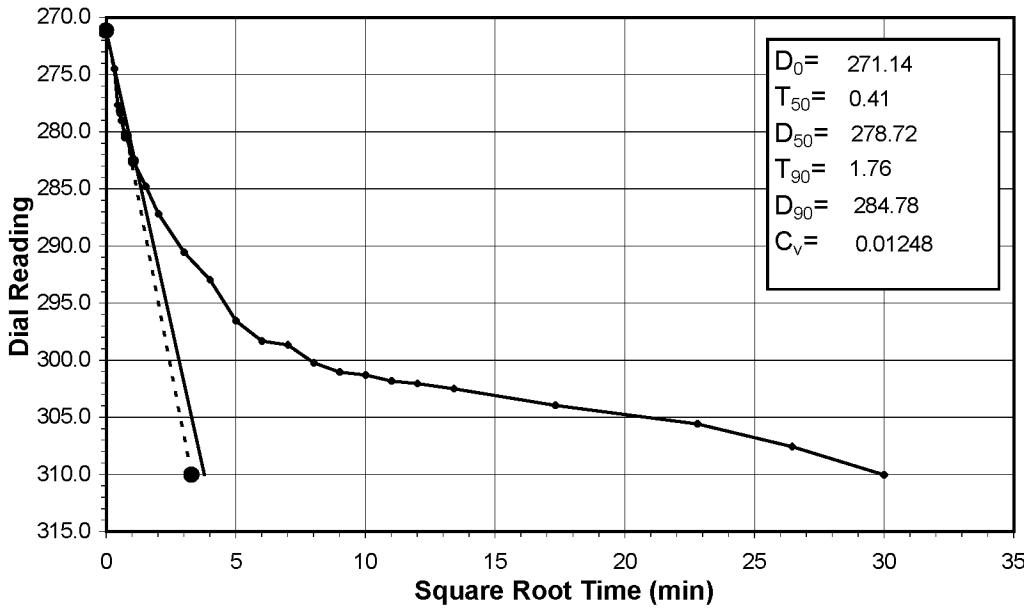
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 Project No. 2013-465-003
 Lab ID 2013-465-003-001

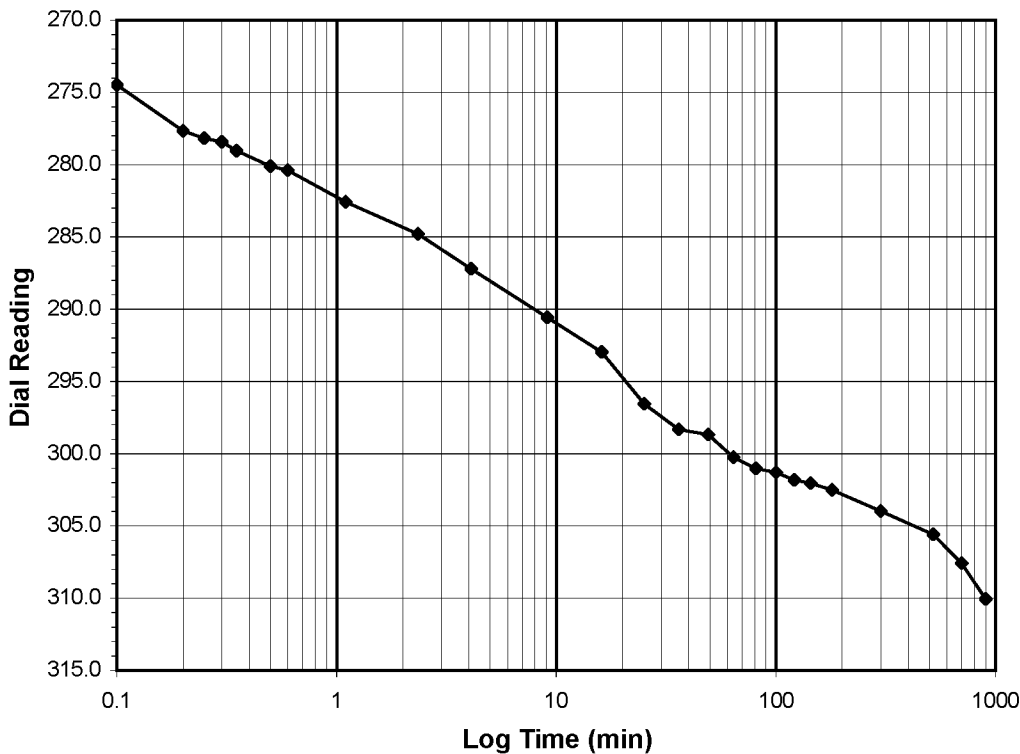
Boring No. R-6-1b
 Depth (ft) 260.1-260.3
 Sample No. ST-33
 Visual Description Gray Fine Sand

Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf)	2.0-4.0
Final Reading (div)	310.1
Consolidometer No.	G1424
1 Division (in)	0.0001
<hr/>	
Start Date	12/1/13
Start Time	21:34:14

Elapsed Time (min)	Dial Reading (div)
<hr/>	
Initial	227.0
0.10	274.5
0.20	277.7
0.25	278.2
0.30	278.4
0.35	279.0
0.50	280.1
0.60	280.4
1.10	282.6
2.35	284.8
4.10	287.2
9.10	290.6
16.12	293.0
25.12	296.6
36.12	298.3
49.12	298.7
64.12	300.2
81.12	301.0
100.12	301.3
121.12	301.8
144.12	302.0
180.12	302.5
300.13	304.0
520.13	305.6
700.13	307.6
900.27	310.1



Tested By **DB** Date **12/1/13** Checked By **TM** Date **12/12/13**

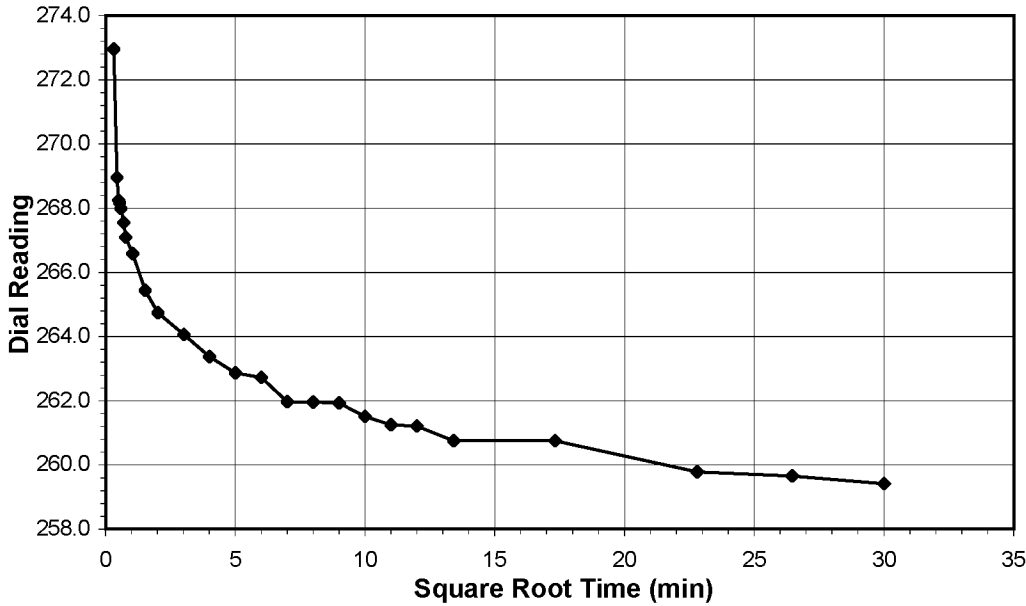
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 Project No. 2013-465-003
 Lab ID 2013-465-003-001

Boring No. R-6-1b
 Depth (ft) 260.1-260.3
 Sample No. ST-33
 Visual Description Gray Fine Sand

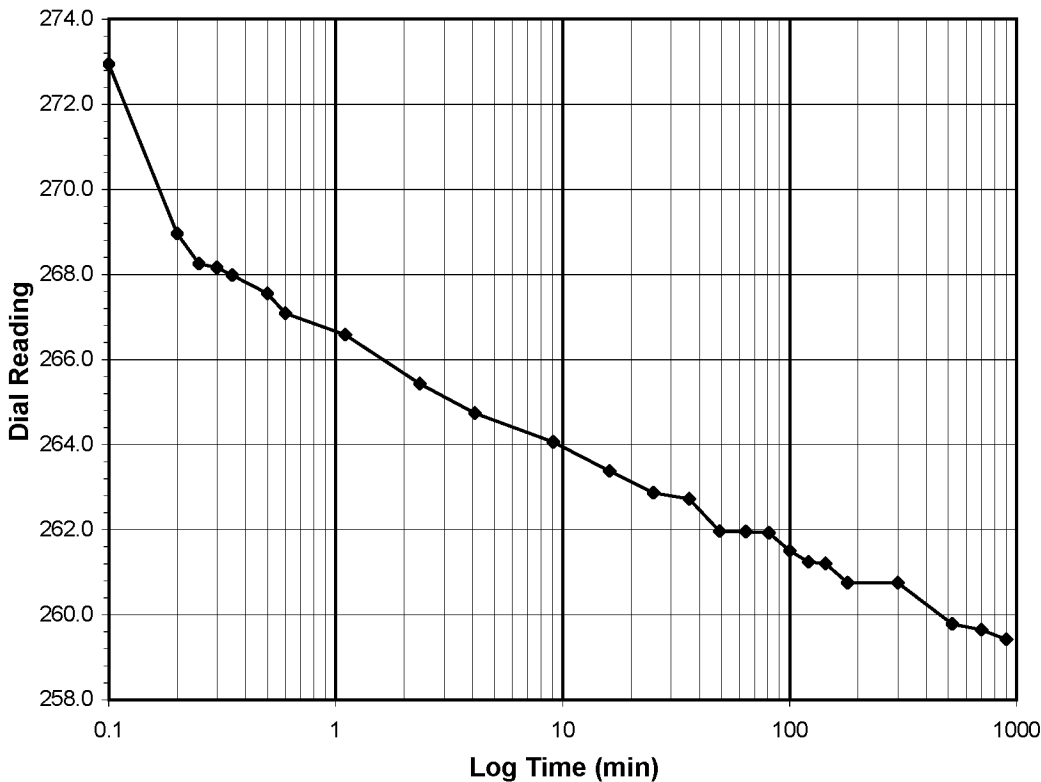
Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf) 4.0-1.0
Final Reading (div) 259.4
 Consolidometer No. G1424
 1 Division (in) 0.0001

Start Date 12/2/13
Start Time 12:34:30

Elapsed Time (min)	Dial Reading (div)
Initial	310.1
0.10	273.0
0.20	269.0
0.25	268.3
0.30	268.2
0.35	268.0
0.50	267.6
0.60	267.1
1.10	266.6
2.35	265.4
4.10	264.7
9.10	264.1
16.10	263.4
25.10	262.9
36.10	262.7
49.12	262.0
64.12	262.0
81.12	261.9
100.12	261.5
121.12	261.2
144.12	261.2
180.12	260.8
300.12	260.8
520.12	259.8
700.12	259.7
900.08	259.4



Tested By DB Date 12/2/13 Checked By TM Date 12/12/13

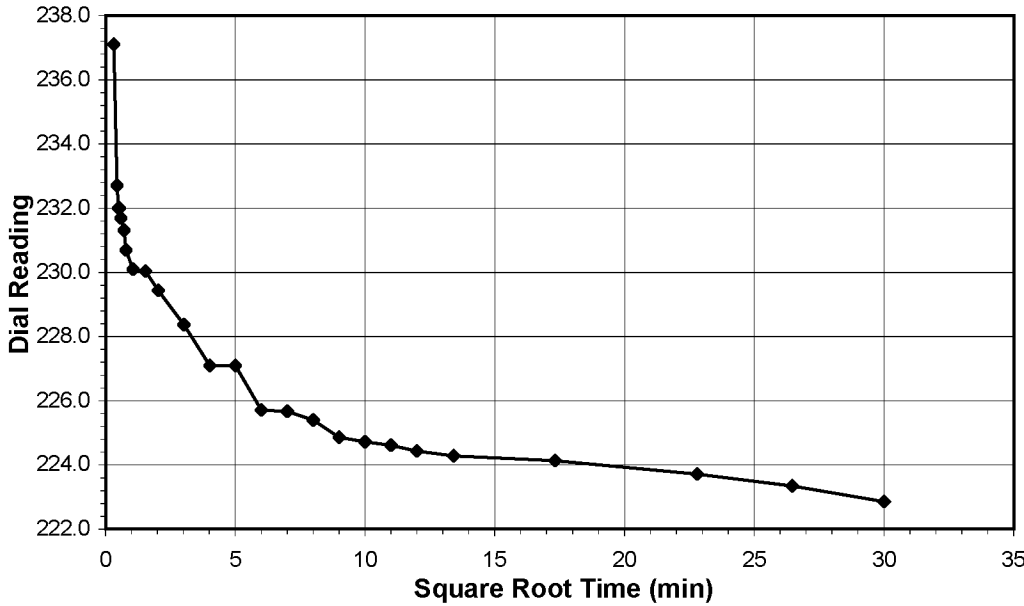
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 Project No. 2013-465-003
 Lab ID 2013-465-003-001

Boring No. R-6-1b
 Depth (ft) 260.1-260.3
 Sample No. ST-33
 Visual Description Gray Fine Sand

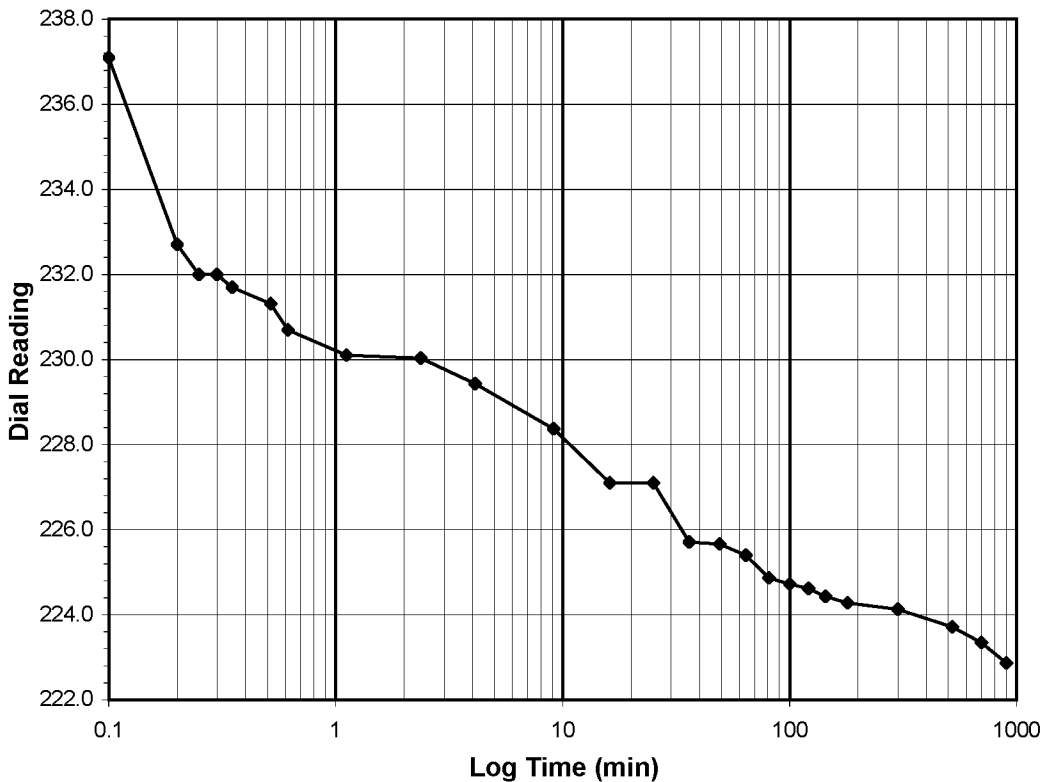
Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf) 1.0-0.25
Final Reading (div) 222.9
 Consolidometer No. G1424
 1 Division (in) 0.0001

Start Date 12/3/13
 Start Time 3:34:35

Elapsed Time (min)	Dial Reading (div)
Initial	259.4
0.10	237.1
0.20	232.7
0.25	232.0
0.30	232.0
0.35	231.7
0.52	231.3
0.62	230.7
1.12	230.1
2.37	230.0
4.12	229.4
9.12	228.4
16.12	227.1
25.12	227.1
36.12	225.7
49.12	225.7
64.12	225.4
81.12	224.9
100.12	224.7
121.13	224.6
144.13	224.4
180.13	224.3
300.13	224.1
520.13	223.7
700.13	223.3
900.23	222.9



Tested By DB Date 12/3/13 Checked By TM Date 12/12/13

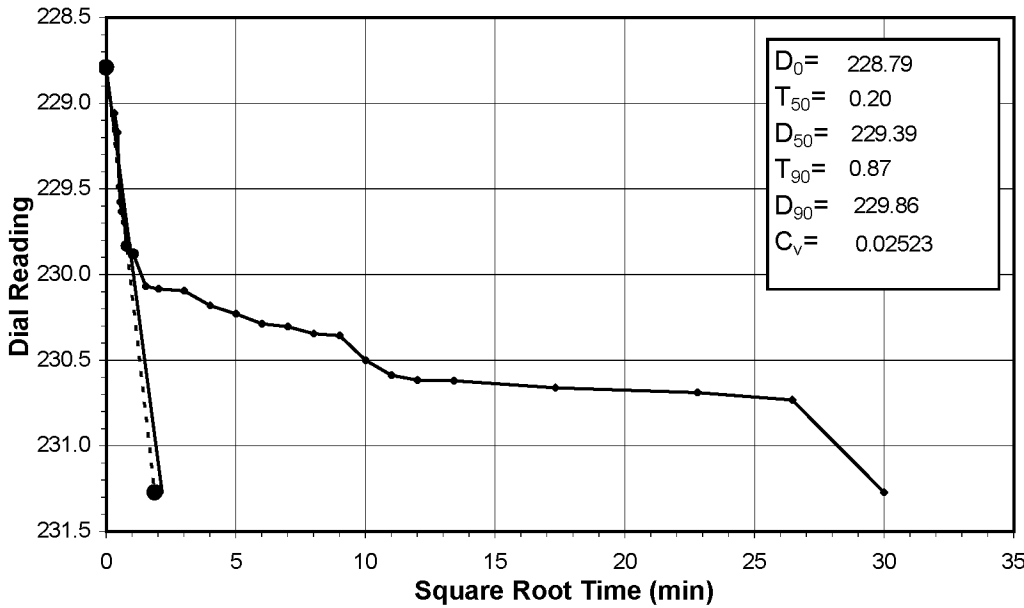
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 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-003
 Lab ID 2013-465-003-001

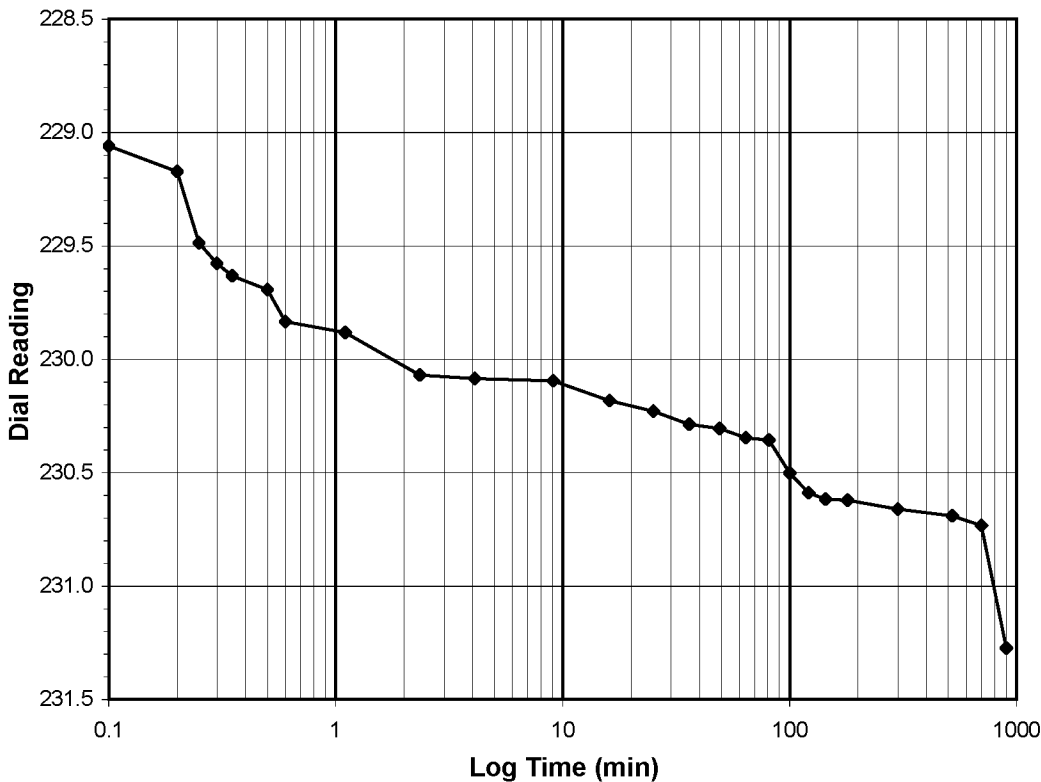
Boring No. R-6-1b
 Depth (ft) 260.1-260.3
 Sample No. ST-33
 Visual Description Gray Fine Sand

Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf)	0.25-0.5
Final Reading (div)	231.3
Consolidometer No.	G1424
1 Division (in)	0.0001
Start Date	12/3/13
Start Time	18:34:49

Elapsed Time (min)	Dial Reading (div)
Initial	222.9
0.10	229.1
0.20	229.2
0.25	229.5
0.30	229.6
0.35	229.6
0.50	229.7
0.60	229.8
1.10	229.9
2.35	230.1
4.10	230.1
9.10	230.1
16.10	230.2
25.10	230.2
36.10	230.3
49.10	230.3
64.12	230.3
81.12	230.4
100.12	230.5
121.12	230.6
144.12	230.6
180.12	230.6
300.12	230.7
520.12	230.7
700.12	230.7
900.28	231.3



Tested By **DB** Date **12/3/13** Checked By **TM** Date **12/12/13**

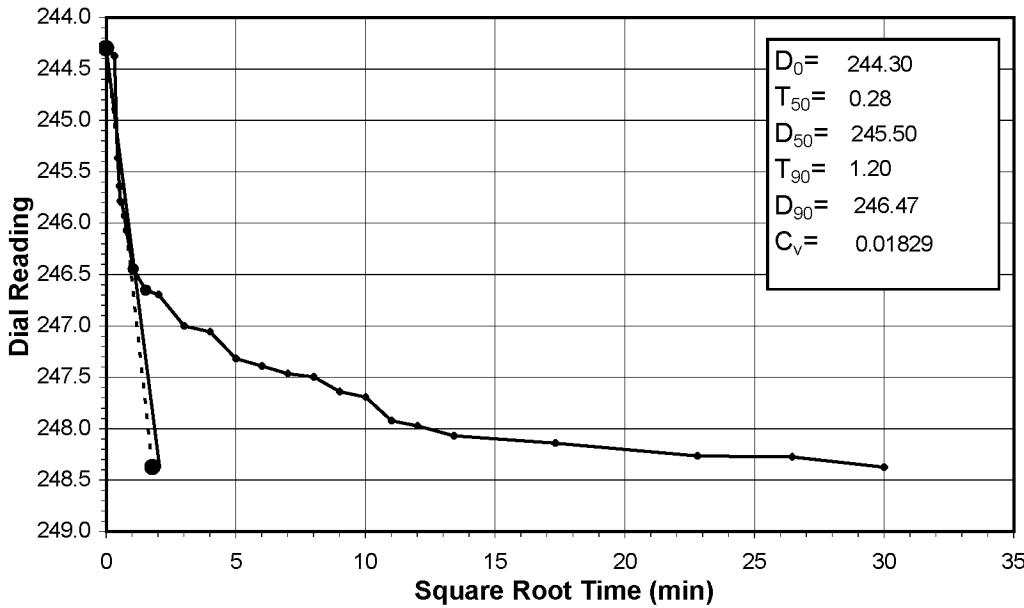
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 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-003
 Lab ID 2013-465-003-001

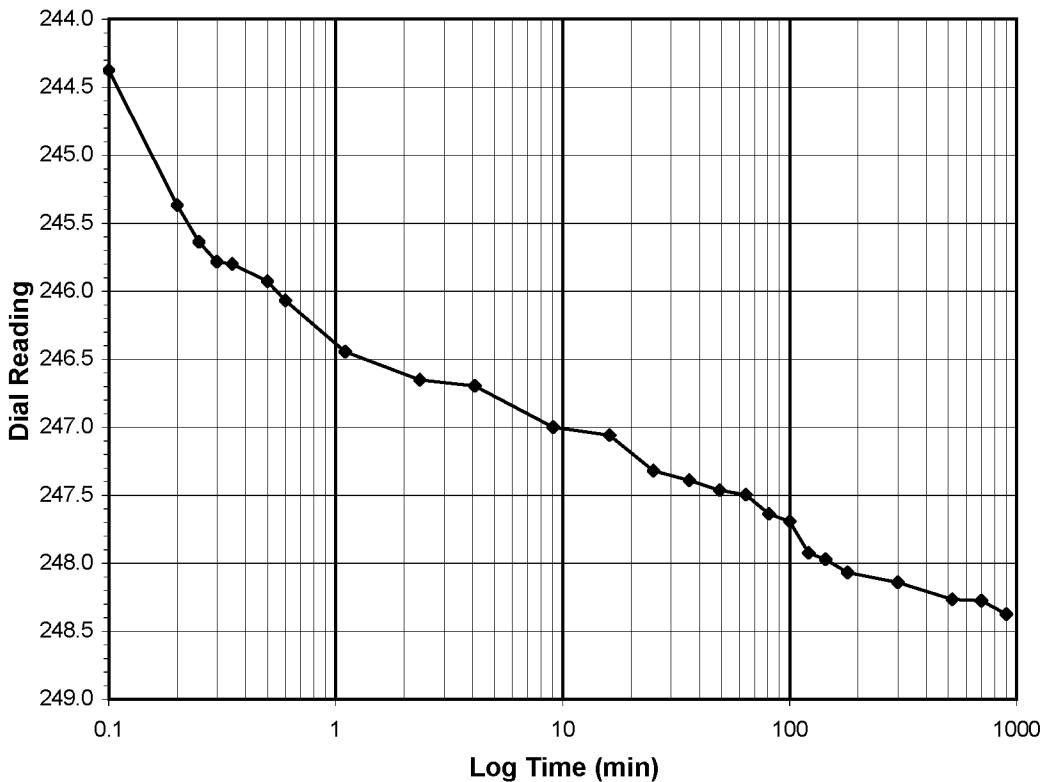
Boring No. R-6-1b
 Depth (ft) 260.1-260.3
 Sample No. ST-33
 Visual Description Gray Fine Sand

Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf)	0.5-1.0
Final Reading (div)	248.4
Consolidometer No.	G1424
1 Division (in)	0.0001
Start Date	12/4/13
Start Time	9:35:06

Elapsed Time (min)	Dial Reading (div)
Initial	231.3
0.10	244.4
0.20	245.4
0.25	245.6
0.30	245.8
0.35	245.8
0.50	245.9
0.60	246.1
1.10	246.4
2.35	246.7
4.10	246.7
9.10	247.0
16.10	247.1
25.10	247.3
36.10	247.4
49.10	247.5
64.12	247.5
81.12	247.6
100.12	247.7
121.12	247.9
144.12	248.0
180.12	248.1
300.12	248.1
520.12	248.3
700.12	248.3
900.25	248.4



Tested By **DB** Date **12/4/13** Checked By **TM** Date **12/12/13**

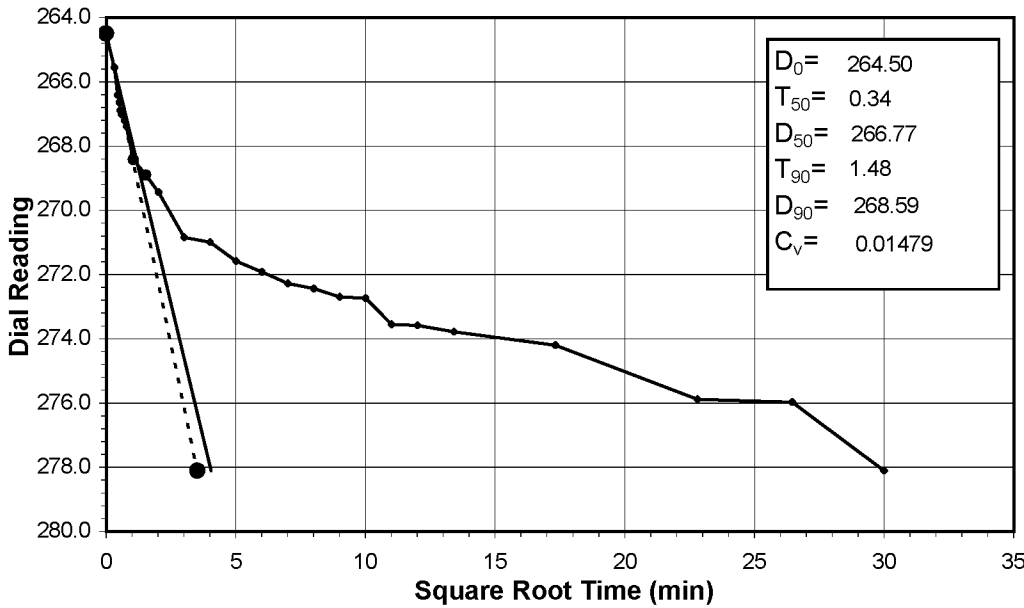
ONE DIMENSIONAL CONSOLIDATION

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 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-003
 Lab ID 2013-465-003-001

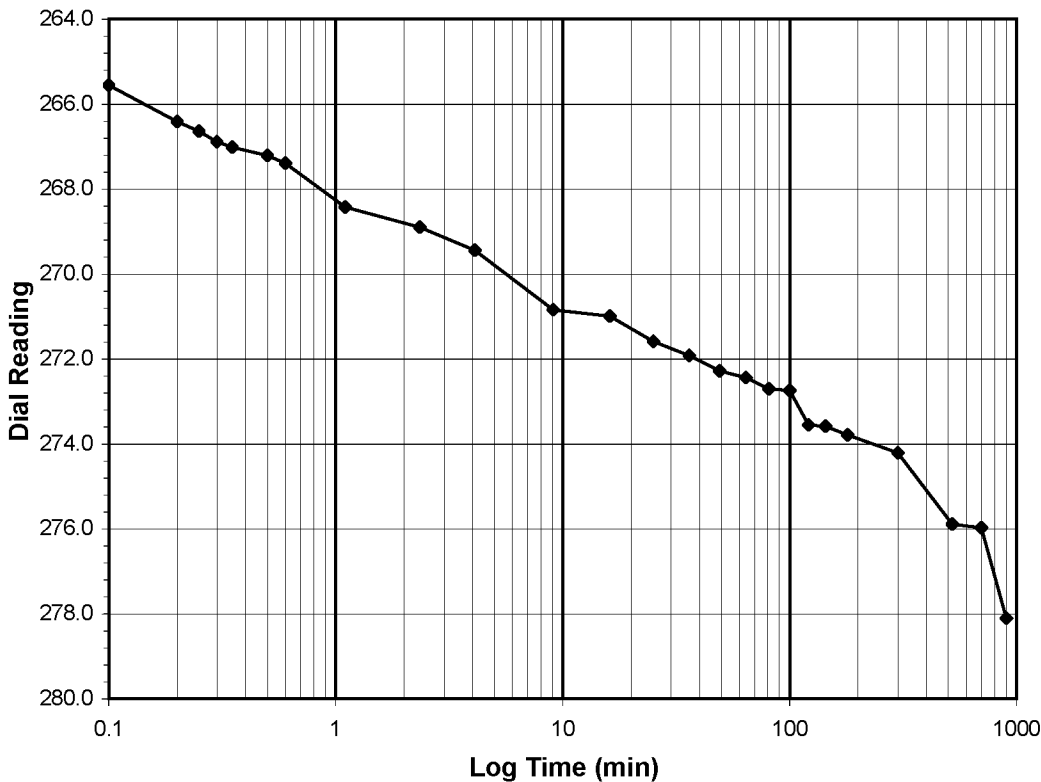
Boring No. R-6-1b
 Depth (ft) 260.1-260.3
 Sample No. ST-33
 Visual Description Gray Fine Sand

Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf)	1.0-2.0
Final Reading (div)	278.1
Consolidometer No.	G1424
1 Division (in)	0.0001
Start Date	12/5/13
Start Time	0:35:21

Elapsed Time (min)	Dial Reading (div)
<hr/>	
Initial	248.4
0.10	265.6
0.20	266.4
0.25	266.6
0.30	266.9
0.35	267.0
0.50	267.2
0.60	267.4
1.10	268.4
2.35	268.9
4.10	269.4
9.10	270.8
16.12	271.0
25.12	271.6
36.12	271.9
49.12	272.3
64.12	272.4
81.12	272.7
100.12	272.7
121.12	273.6
144.12	273.6
180.12	273.8
300.12	274.2
520.12	275.9
700.12	276.0
900.27	278.1



Tested By **DB** Date **12/5/13** Checked By **TM** Date **12/12/13**

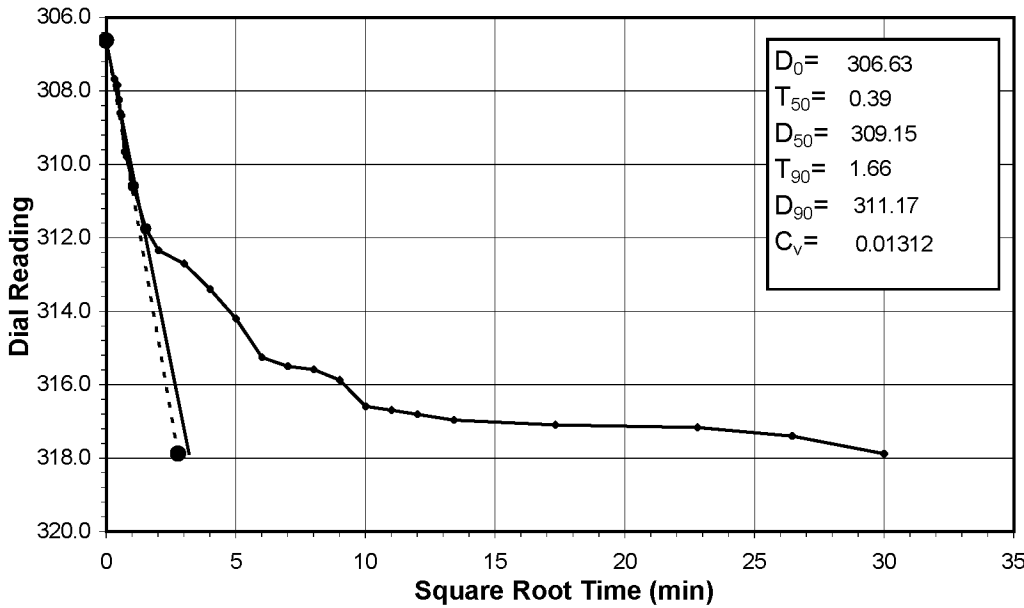
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 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-003
 Lab ID 2013-465-003-001

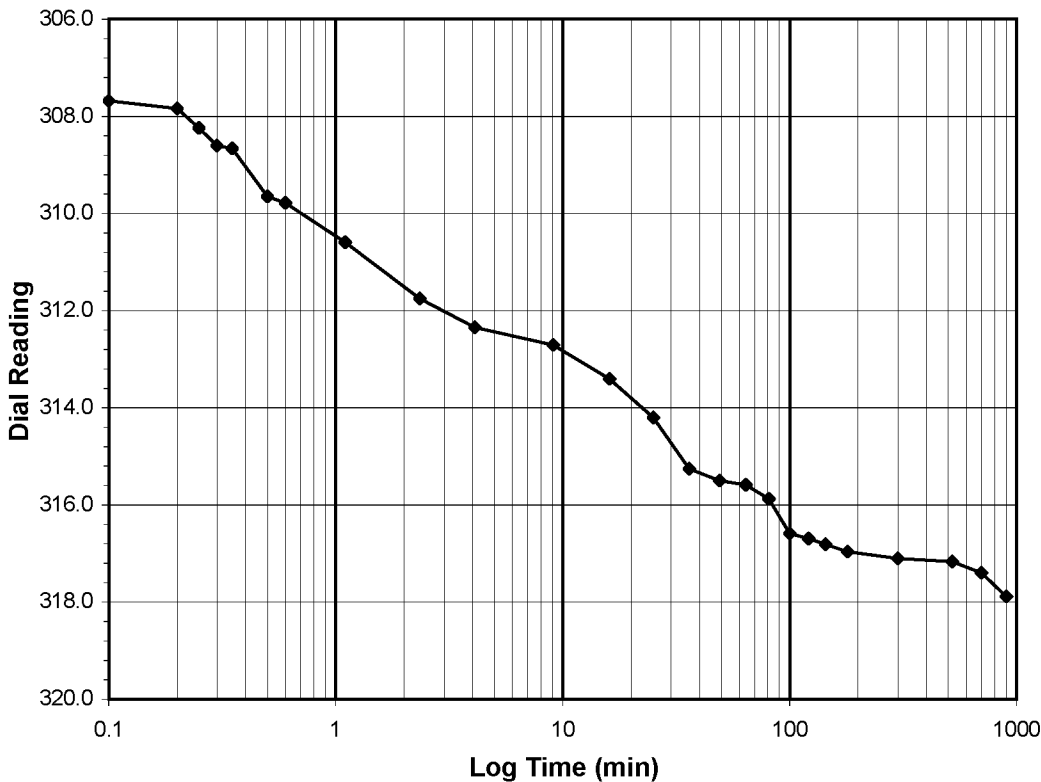
Boring No. R-6-1b
 Depth (ft) 260.1-260.3
 Sample No. ST-33
 Visual Description Gray Fine Sand

Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf)	2.0-4.0
Final Reading (div)	317.9
Consolidometer No.	G1424
1 Division (in)	0.0001
Start Date	12/5/13
Start Time	15:35:37

Elapsed Time (min)	Dial Reading (div)
Initial	278.1
0.10	307.7
0.20	307.8
0.25	308.2
0.30	308.6
0.35	308.7
0.50	309.7
0.60	309.8
1.10	310.6
2.35	311.8
4.10	312.3
9.10	312.7
16.10	313.4
25.10	314.2
36.10	315.3
49.12	315.5
64.12	315.6
81.12	315.9
100.12	316.6
121.12	316.7
144.12	316.8
180.12	317.0
300.12	317.1
520.12	317.2
700.12	317.4
900.20	317.9



Tested By **DB** Date **12/5/13** Checked By **TM** Date **12/12/13**

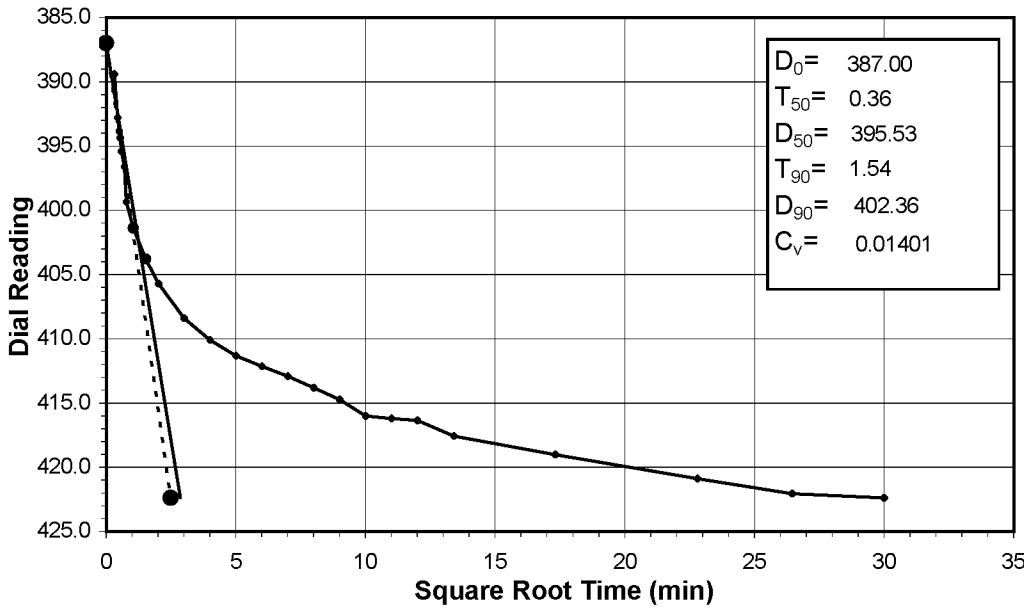
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 Project No. 2013-465-003
 Lab ID 2013-465-003-001

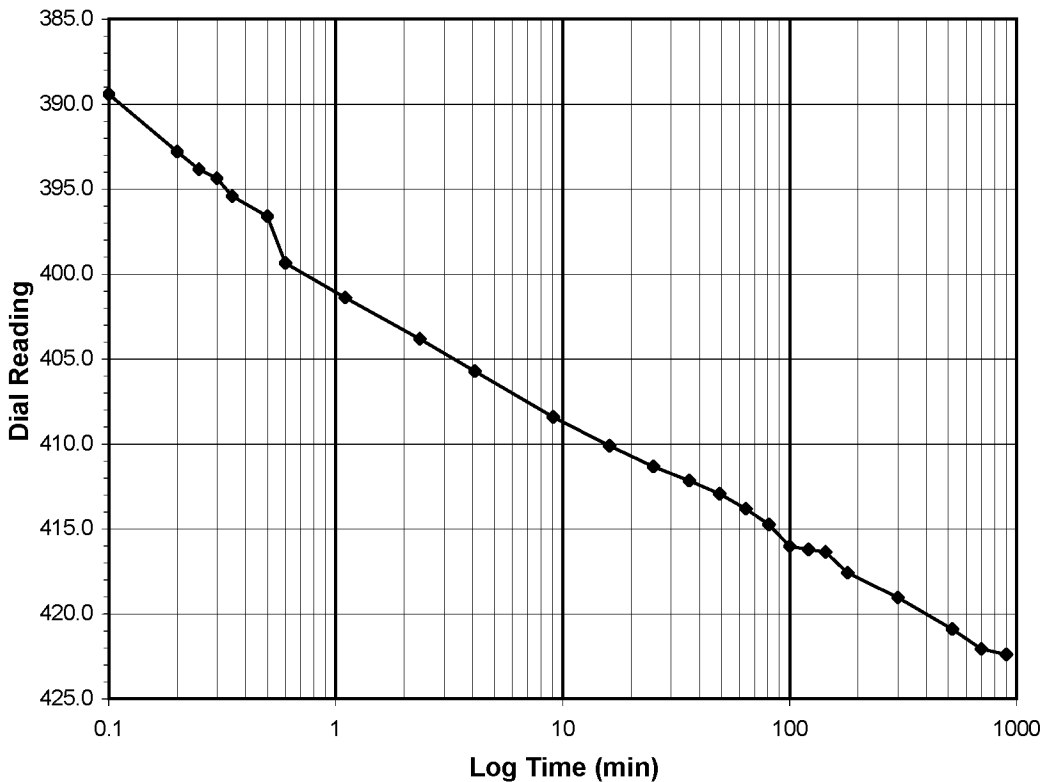
Boring No. R-6-1b
 Depth (ft) 260.1-260.3
 Sample No. ST-33
 Visual Description Gray Fine Sand

Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf)	4.0-8.0
Final Reading (div)	422.4
Consolidometer No.	G1424
1 Division (in)	0.0001
Start Date	12/6/13
Start Time	6:35:50

Elapsed Time (min)	Dial Reading (div)
Initial	317.9
0.10	389.4
0.20	392.8
0.25	393.8
0.30	394.4
0.35	395.4
0.50	396.6
0.60	399.3
1.10	401.4
2.35	403.8
4.10	405.7
9.10	408.4
16.10	410.1
25.10	411.3
36.10	412.1
49.12	412.9
64.12	413.8
81.12	414.7
100.12	416.0
121.12	416.2
144.12	416.4
180.12	417.6
300.12	419.0
520.12	420.9
700.12	422.1
900.22	422.4



Tested By **DB** Date **12/6/13** Checked By **TM** Date **12/12/13**

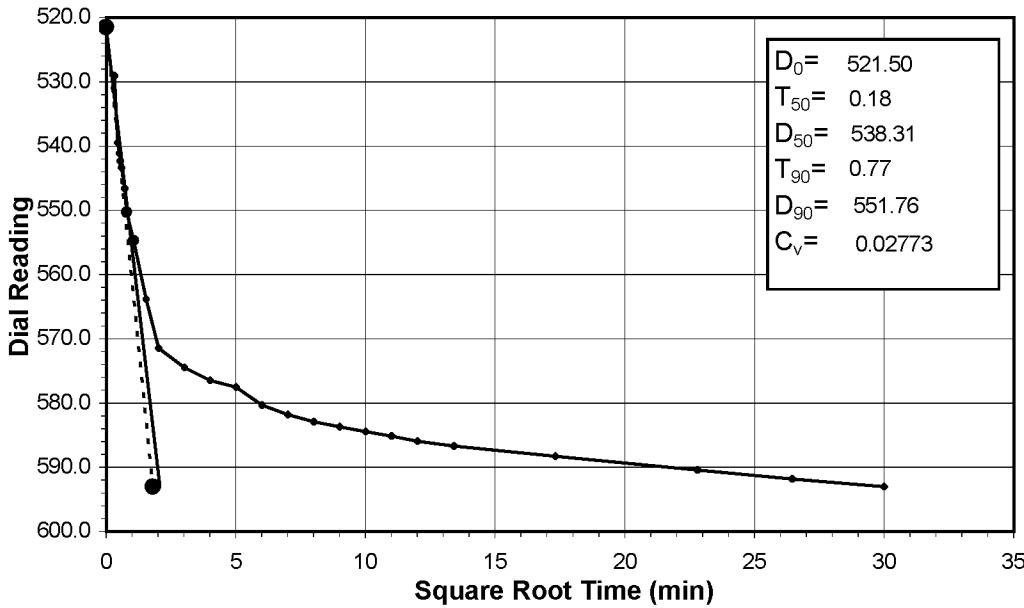
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 Project No. 2013-465-003
 Lab ID 2013-465-003-001

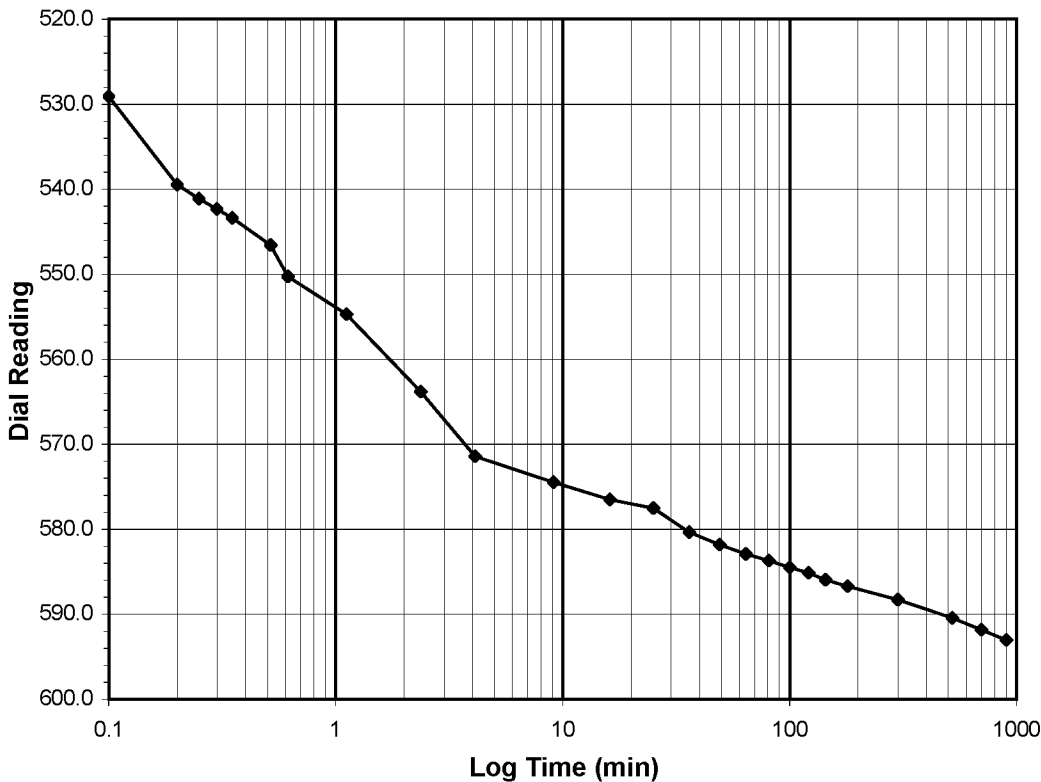
Boring No. R-6-1b
 Depth (ft) 260.1-260.3
 Sample No. ST-33
 Visual Description Gray Fine Sand

Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf)	8.0-16.0
Final Reading (div)	593.0
Consolidometer No.	G1424
1 Division (in)	0.0001
Start Date	12/6/13
Start Time	21:36:03

Elapsed Time (min)	Dial Reading (div)
Initial	422.4
0.10	529.1
0.20	539.5
0.25	541.1
0.30	542.3
0.35	543.4
0.52	546.6
0.62	550.3
1.12	554.7
2.37	563.8
4.12	571.4
9.12	574.5
16.12	576.5
25.12	577.5
36.12	580.3
49.12	581.8
64.12	582.9
81.12	583.7
100.12	584.5
121.12	585.1
144.12	586.0
180.12	586.7
300.12	588.3
520.12	590.4
700.12	591.8
900.22	593.0



Tested By **DB** Date **12/6/13** Checked By **TM** Date **12/12/13**

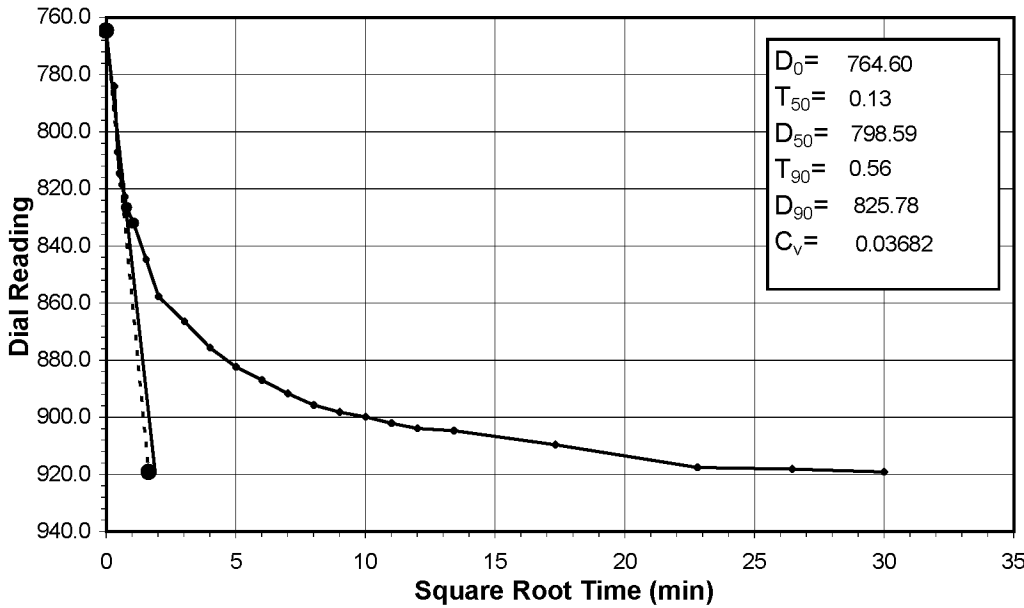
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Client Paul C. Rizzo & Associates
 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-003
 Lab ID 2013-465-003-001

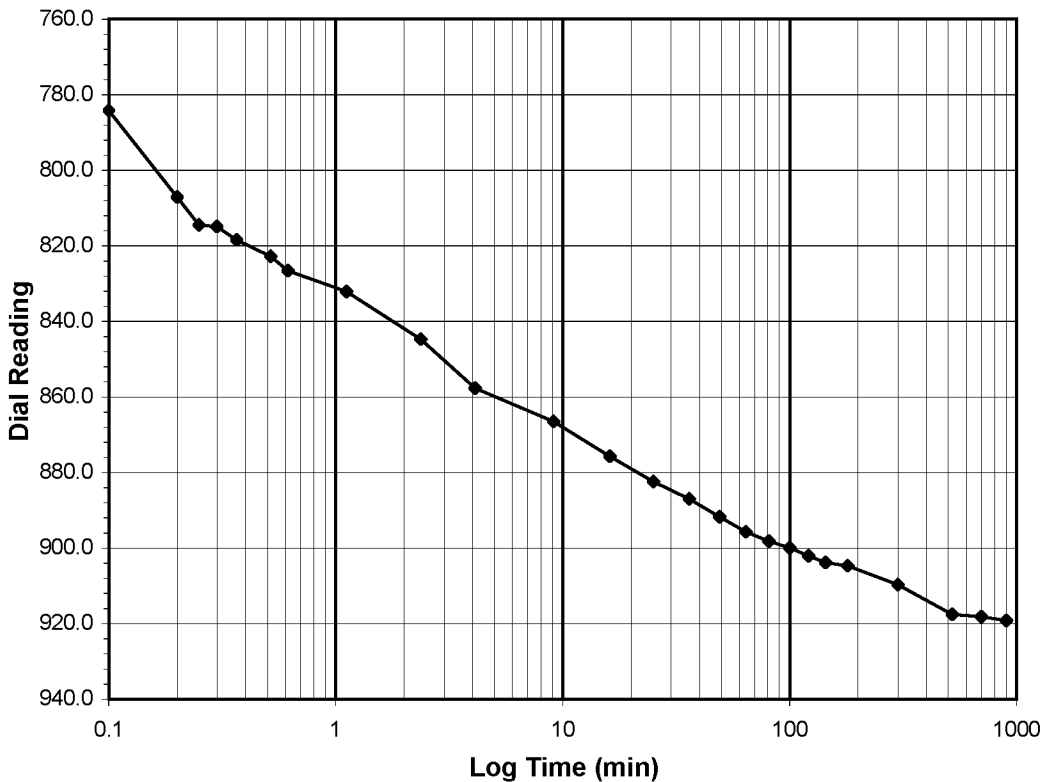
Boring No. R-6-1b
 Depth (ft) 260.1-260.3
 Sample No. ST-33
 Visual Description Gray Fine Sand

Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf)	16.0-32.0
Final Reading (div)	919.2
Consolidometer No.	G1424
1 Division (in)	0.0001
Start Date	12/7/13
Start Time	12:36:16

Elapsed Time (min)	Dial Reading (div)
Initial	593.0
0.10	784.1
0.20	807.1
0.25	814.5
0.30	814.9
0.37	818.5
0.52	822.7
0.62	826.6
1.12	832.1
2.37	844.7
4.12	857.7
9.12	866.5
16.12	875.7
25.12	882.4
36.12	886.9
49.12	891.7
64.12	895.7
81.12	898.2
100.12	899.9
121.12	902.1
144.12	903.9
180.12	904.7
300.13	909.7
520.13	917.6
700.13	918.1
900.07	919.2



Tested By **DB** Date **12/7/13** Checked By **TM** Date **12/12/13**

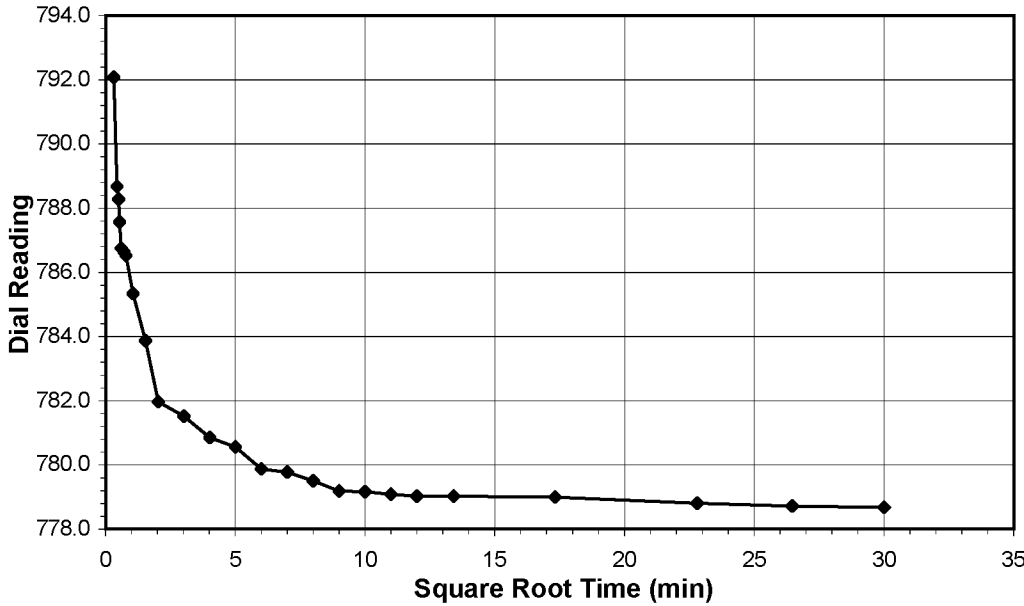
ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates
 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-003
 Lab ID 2013-465-003-001

Boring No. R-6-1b
 Depth (ft) 260.1-260.3
 Sample No. ST-33
 Visual Description Gray Fine Sand

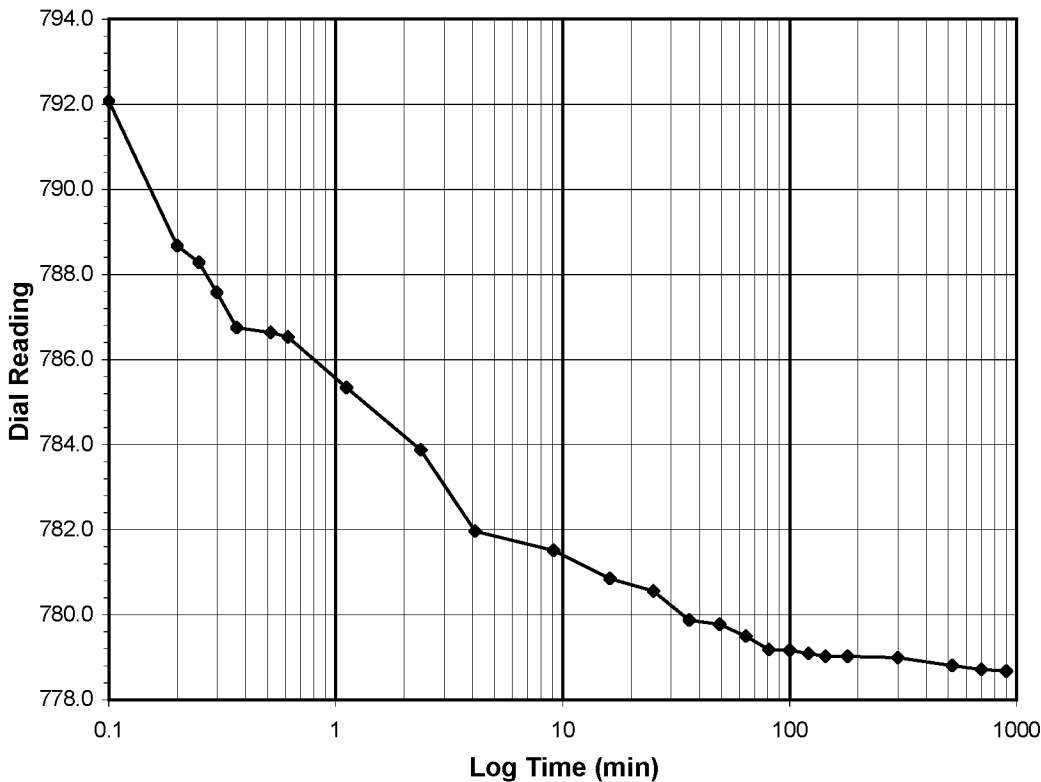
Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf) 32.0-8.0
Final Reading (div) 778.7
 Consolidometer No. G1424
 1 Division (in) 0.0001

Start Date 12/8/13
 Start Time 3:36:20

Elapsed Time (min)	Dial Reading (div)
Initial	919.2
0.10	792.1
0.20	788.7
0.25	788.3
0.30	787.6
0.37	786.7
0.52	786.6
0.62	786.5
1.12	785.3
2.37	783.9
4.12	782.0
9.12	781.5
16.12	780.9
25.12	780.6
36.12	779.9
49.13	779.8
64.13	779.5
81.13	779.2
100.13	779.2
121.13	779.1
144.13	779.0
180.13	779.0
300.13	779.0
520.13	778.8
700.13	778.7
900.17	778.7



Tested By DB Date 12/8/13 Checked By TM Date 12/12/13

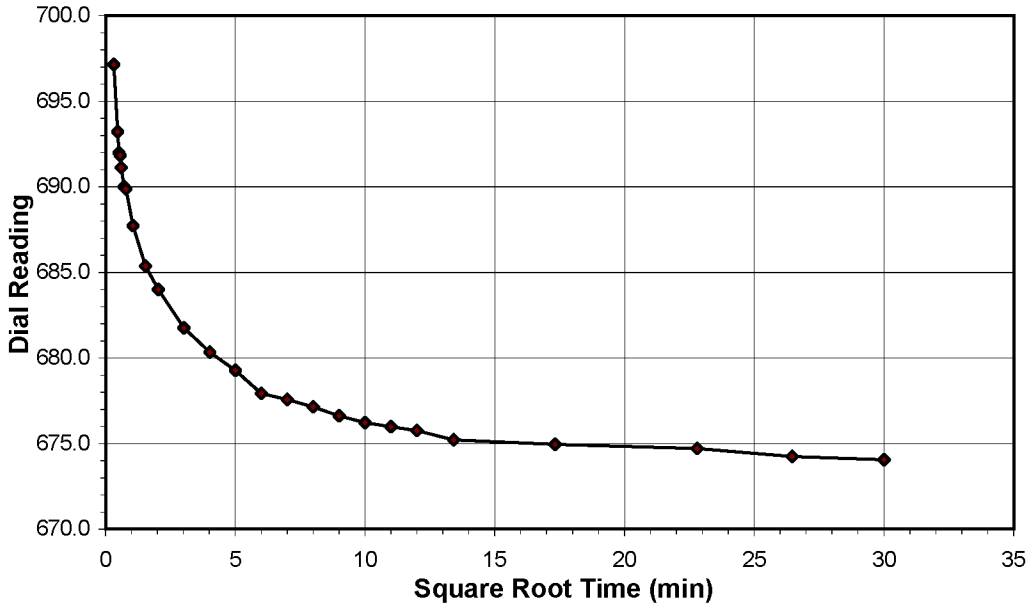
ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates
 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-003
 Lab ID 2013-465-003-001

Boring No. R-6-1b
 Depth (ft) 260.1-260.3
 Sample No. ST-33
 Visual Description Gray Fine Sand

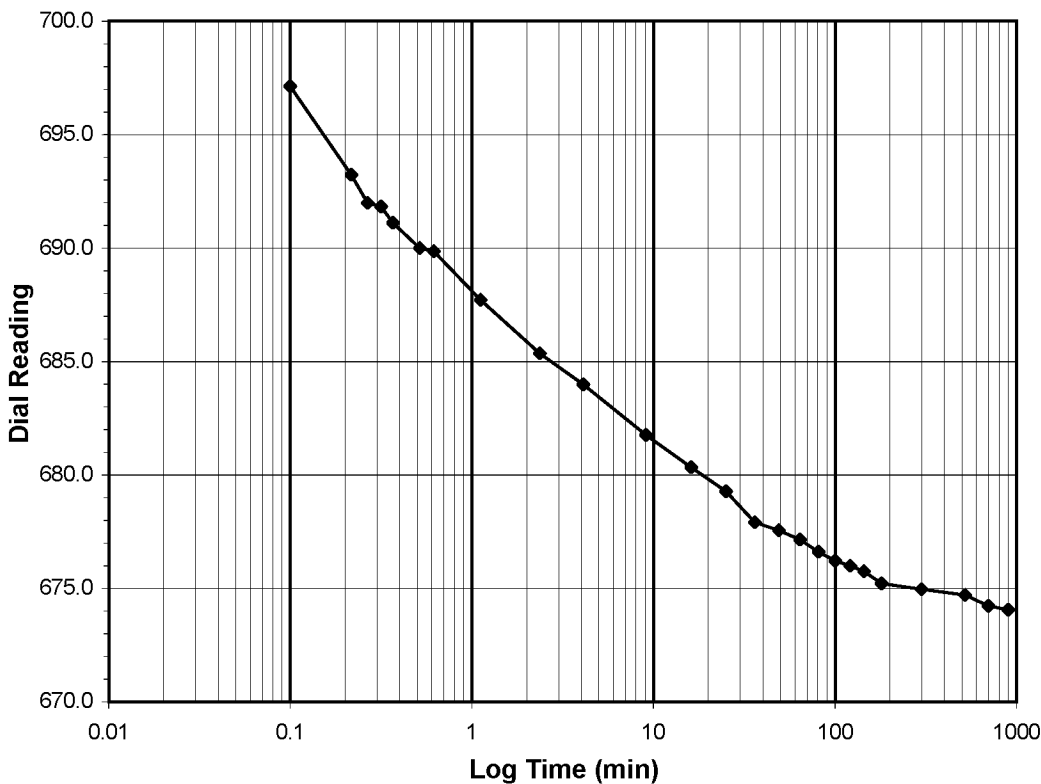
Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf) 8.0-2.0
Final Reading (div) 674.1
 Consolidometer No. G1424
 1 Division (in) 0.0001

Start Date 12/8/13
Start Time 18:36:30

Elapsed Time (min)	Dial Reading (div)
Initial	778.7
0.10	697.1
0.22	693.2
0.27	692.0
0.32	691.8
0.37	691.1
0.52	690.0
0.62	689.9
1.12	687.7
2.37	685.4
4.12	684.0
9.12	681.8
16.12	680.3
25.12	679.3
36.12	677.9
49.12	677.6
64.12	677.1
81.13	676.6
100.13	676.2
121.13	676.0
144.13	675.8
180.13	675.2
300.13	675.0
520.13	674.7
700.13	674.2
900.08	674.1



Tested By DB Date 12/8/13 Checked By TM Date 12/12/13

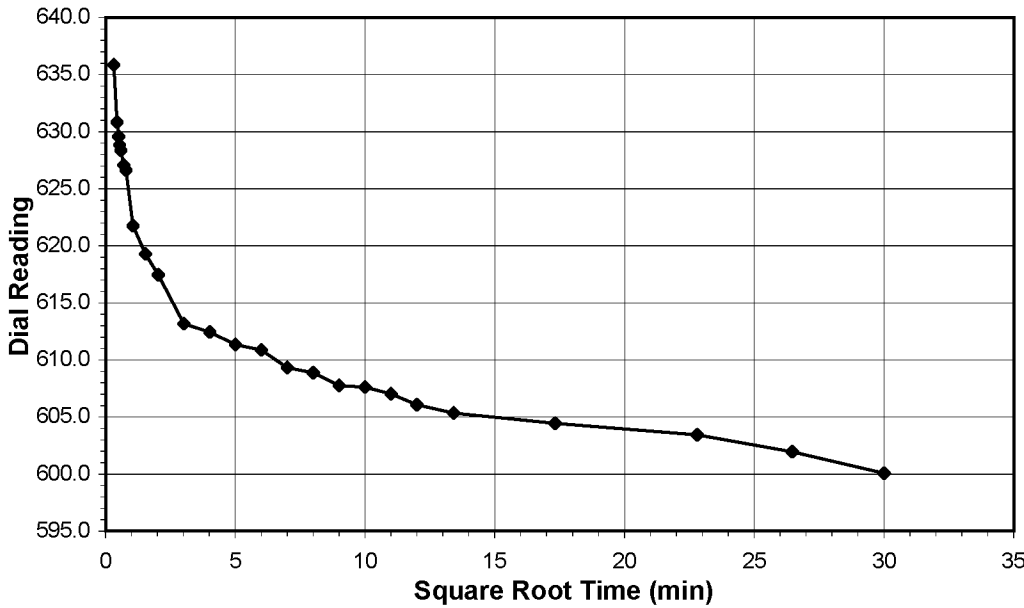
ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates
 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-003
 Lab ID 2013-465-003-001

Boring No. R-6-1b
 Depth (ft) 260.1-260.3
 Sample No. ST-33
 Visual Description Gray Fine Sand

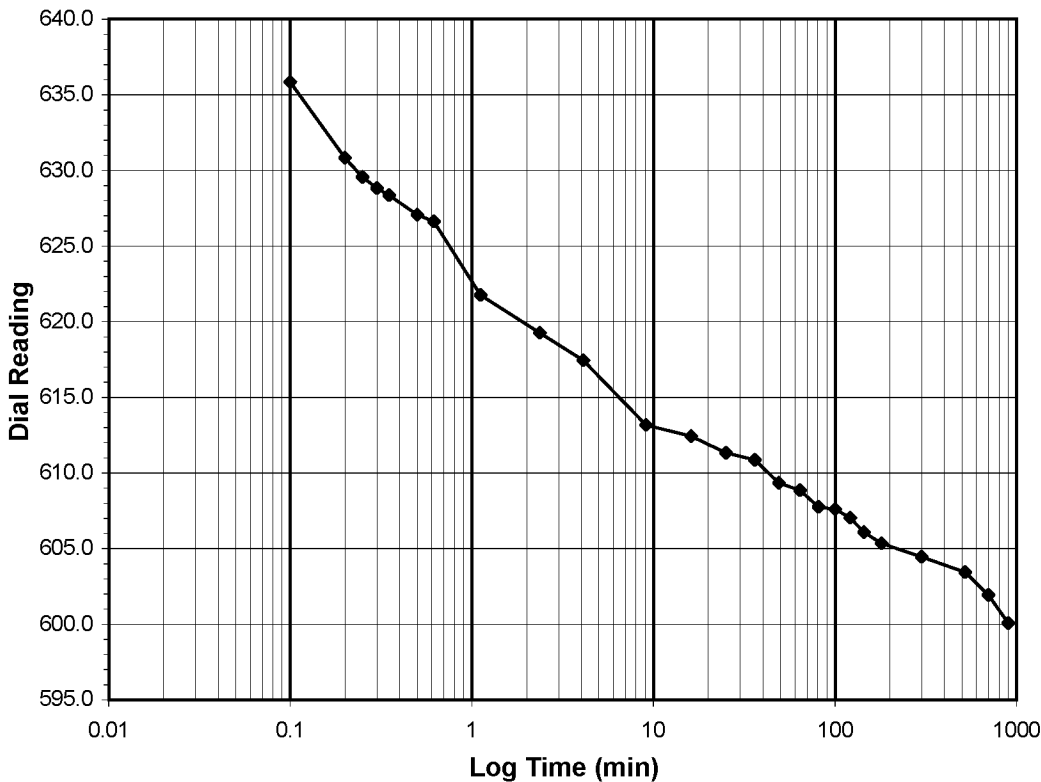
Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf) 2.0-0.5
Final Reading (div) 600.1
 Consolidometer No. G1424
 1 Division (in) 0.0001

Start Date 12/9/13
 Start Time 9:36:35

Elapsed Time (min)	Dial Reading (div)
Initial	674.1
0.10	635.9
0.20	630.8
0.25	629.6
0.30	628.8
0.35	628.4
0.50	627.1
0.62	626.6
1.12	621.8
2.37	619.3
4.12	617.5
9.12	613.2
16.12	612.4
25.12	611.3
36.12	610.9
49.12	609.3
64.12	608.9
81.12	607.8
100.12	607.6
121.12	607.0
144.13	606.1
180.13	605.3
300.13	604.5
520.13	603.4
700.13	601.9
900.10	600.1



Tested By DB Date 12/9/13 Checked By TM Date 12/12/13

ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client	Paul C. Rizzo & Associates	Boring No.	R-6-1b
Client Reference	Turkey Point Units 6 & 7 Site	Depth (ft)	260.1-260.3
Project No.	2013-465-003	Sample No.	ST-33
Lab ID	2013-465-003-001	Visual Description	Gray Fine Sand

Sample Conditions: Undisturbed, Inundated And Double Drained**Consolidometer No.** G1424**1 Division** = 0.0001 (in)

<u>Sample Properties</u>	<u>Initial</u>	<u>Final</u>	<u>Test Data Summary</u>							
<i>Water Content</i>			Applied Pressure	Final Dial Reading	Machine Deflection	Corrected Reading	Height of Sample	Volume	Dry Density	Void Ratio
Tare Number	2773	2762	(tsf)	(div)	(div)	(div)	(mm)	(cm ³)	(g/cm ³)	
Wt. Tare & WS (g)	181.61	159.50	Seating	0	0	0	25.400	80.440	1.52770	0.72809
Wt. Tare & DS (g)	146.32	128.53	0.25	87.9	17.0	71.0	25.220	79.869	1.53862	0.71583
Wt. Water (g)	35.29	30.97	0.5	123.1	22.5	100.6	25.144	79.631	1.54322	0.71070
Wt. Tare (g)	6.93	6.67	1	168.3	31.8	136.5	25.053	79.341	1.54885	0.70449
Wt. DS (g)	139.39	121.86	2	227.0	56.2	170.7	24.966	79.067	1.55423	0.69859
Water Content (%)	25.32	25.41	4	310.1	87.6	222.4	24.835	78.650	1.56246	0.68965
<u>Sample Parameters</u>			1	259.4	52.8	206.6	24.875	78.778	1.55993	0.69238
Sample Diameter (in)	2.5	2.5	0.25	222.9	24.8	198.1	24.897	78.846	1.55857	0.69386
Sample Height (in)	1.0000	0.9468	0.5	231.3	31.4	199.8	24.892	78.832	1.55885	0.69355
Sample Volume (cm ³)	80.44	76.16	1	248.4	45.6	202.8	24.885	78.809	1.55932	0.69305
Wt. Wet Sample + Ring (g)	368.83	368.95	2	278.1	60.3	217.8	24.847	78.687	1.56172	0.69044
Wt. of Ring (g)	214.83	214.83	4	317.9	86.5	231.4	24.812	78.579	1.56389	0.68810
Wt. of Wet Sample (g)	154.00	154.12	8	422.4	137.0	285.3	24.675	78.144	1.57257	0.67878
Wet Density (pcf)	119.46	126.27	16	593.0	196.5	396.5	24.393	77.250	1.59078	0.65956
Wet Density (g/cm ³)	1.91	2.02	32	919.2	283.7	635.5	23.786	75.328	1.63137	0.61827
Water Content (%)	25.32	25.41	8	778.7	174.5	604.2	23.865	75.579	1.62594	0.62367
Wt. of Dry Sample (g)	122.89	122.89	2	674.1	104.7	569.4	23.954	75.860	1.61994	0.62969
Dry Density (pcf)	95.33	100.68	0.5	600.1	68.4	531.7	24.049	76.163	1.61349	0.63620
Dry Density (g/cm ³)	1.53	1.61								
Void Ratio	0.7281	0.6362								
Saturation (%)	91.80	105.46								
Specific Gravity	2.64	Measured								
			Tested By	DB	Date	11/29/13	Input Checked By	TM	Date	12/12/13

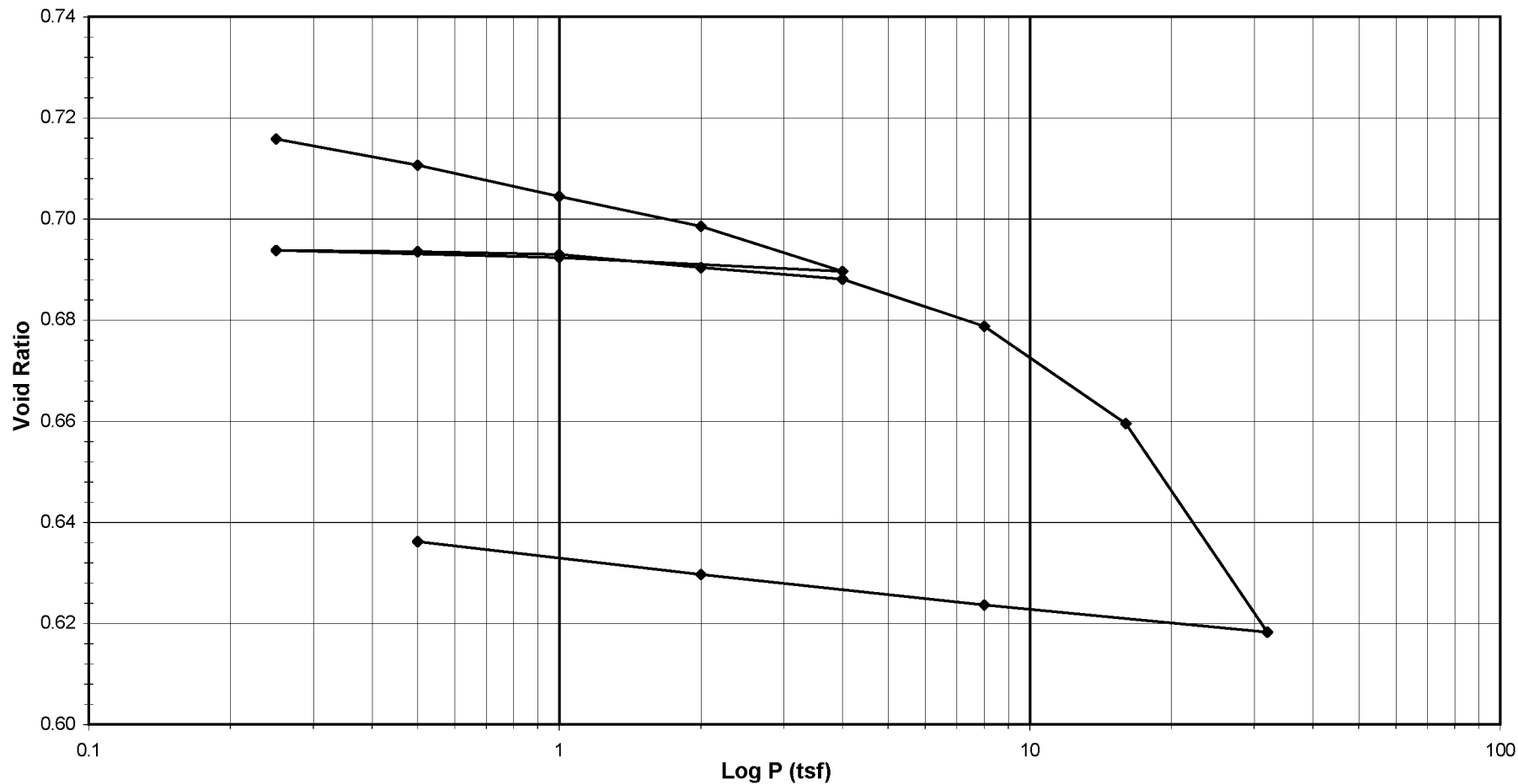
ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates
 Client Reference Turkey Point Units 6 & 7 Site
 Project No. 2013-465-003
 Lab ID 2013-465-003-001

Boring No. R-6-1b
 Depth (ft) 260.1-260.3
 Sample No. ST-33
 Visual Description Gray Fine Sand

Sample Conditions: Undisturbed, Inundated And Double Drained



Tested By DB Date 11/29/13 Approved By RJO Date 12/12/13

ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client	Paul C. Rizzo & Associates	Boring No.	R-6-1b
Client Reference	Turkey Point Units 6 & 7 Site	Depth (ft)	260.1-260.3
Project No.	2013-465-003	Sample No.	ST-33
Lab ID	2013-465-003-001	Visual Description	Gray Fine Sand

Sample Conditions: Undisturbed, Inundated And Double Drained**Consolidometer No.** G1424**1 Division** = 0.0001 (in)**C_v Test Data Summary**

<u>Sample Properties</u>	<u>Initial</u>	<u>Final</u>							
			<u>Load</u>	<u>Dial</u>	<u>Machine</u>	<u>Corrected</u>	<u>Sample</u>	<u>Time</u>	<u>C_v</u>
			<u>Increment</u>	<u>Reading</u>	<u>Deflection</u>	<u>Dial Reading</u>	<u>Height</u>	<u>t₅₀</u>	
			(tsf)	@ t ₅₀ (div)	(div)	@ t ₅₀ (div)	@ t ₅₀ (mm)	(min)	(cm ² /sec)
<i>Water Content</i>									
Tare Number	2773	2762							
Wt. Tare & WS (g)	181.61	159.5							
Wt. Tare & DS (g)	146.32	128.53							
Wt. Water (g)	35.29	30.97	Seating	NA	NA	NA	NA	NA	NA
Wt. Tare (g)	6.93	6.67	0.25	61.0	17.0	44.0	25.29	0.22	0.02383
Wt. DS (g)	139.39	121.86	0.5	106.3	22.5	83.8	25.19	0.22	0.02366
Water Content (%)	25.32	25.41	1	148.1	31.8	116.3	25.10	0.14	0.03693
			2	207.0	56.2	150.8	25.02	0.39	0.01329
			4	278.7	87.6	191.1	24.91	0.41	0.01248
<i>Sample Parameters</i>			1	NA	NA	NA	NA	NA	NA
Sample Diameter (in)	2.5	2.5	0.25	NA	NA	NA	NA	NA	NA
Sample Height (in)	1.0000	0.9468	0.5	229.4	31.4	198.0	24.90	0.20	0.02523
Sample Volume (cm ³)	80.44	76.16	1	245.5	45.6	199.9	24.89	0.28	0.01829
Wt. Wet Sample + Ring (g)	368.83	368.95	2	266.8	60.3	206.5	24.88	0.34	0.01479
Wt. of Ring (g)	214.83	214.83	4	309.1	86.5	222.7	24.83	0.39	0.01312
Wt. of Wet Sample (g)	154.00	154.12	8	395.5	137.0	258.5	24.74	0.36	0.01401
Wet Density (pcf)	119.46	126.27	16	538.3	196.5	341.8	24.53	0.18	0.02773
Wet Density (g/cm ³)	1.91	2.02	32	798.6	283.7	514.9	24.09	0.13	0.03682
Water Content (%)	25.32	25.41	8	NA	NA	NA	NA	NA	NA
Wt. of Dry Sample (g)	122.89	122.89	2	NA	NA	NA	NA	NA	NA
Dry Density (pcf)	95.33	100.68	0.5	NA	NA	NA	NA	NA	NA
Dry Density (g/cm ³)	1.53	1.61							
Void Ratio	0.7281	0.6362							
Saturation (%)	91.80	105.46							
Specific Gravity	2.64	Measured							

<i>Tested By</i>	DB	<i>Date</i>	11/29/13	<i>Input Checked By</i>	TM	<i>Date</i>	12/12/13
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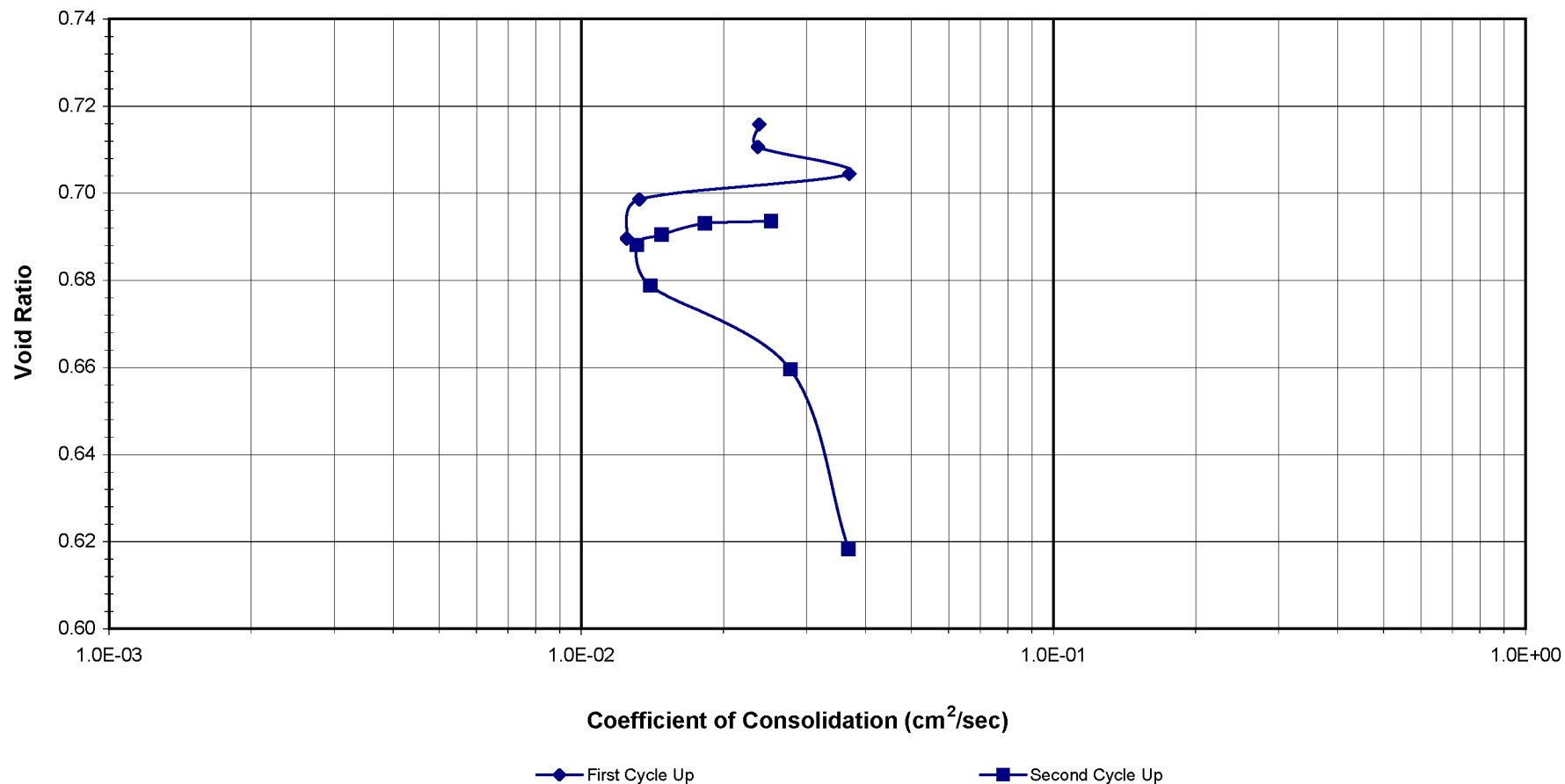
ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates
 Client Reference Turkey Point Units 6 & 7 Site
 Project No. 2013-465-003
 Lab ID 2013-465-003-001

Boring No. R-6-1b
 Depth (ft) 260.1-260.3
 Sample No. ST-33
 Visual Description Gray Fine Sand

Sample Conditions: Undisturbed, Inundated And Double Drained



Tested By DB Date 11/29/13

Approved By RJO Date 12/12/13

One Dimensional Consolidation

ASTM D2435 / D2435M-11

EQUIPMENT LIST

Client	Paul C. Rizzo & Associates	Boring No.	R-6-1b
Client Reference	Turkey Point Units 6 & 7 Site	Depth (ft)	260.1-260.3
Project No.	2013-465-003	Sample No.	ST-33
Lab ID #	2013-465-003-001		

Equipment	Equipment ID#	Calibration Due Date
Calipers	G1122	12/3/13
Balance	G1394	5/15/14
Oven	G1387	8/16/14
Consolidometer	G1424	1/9/14
Load Cell	G1425	1/9/14
LVDT	G1426	1/9/14

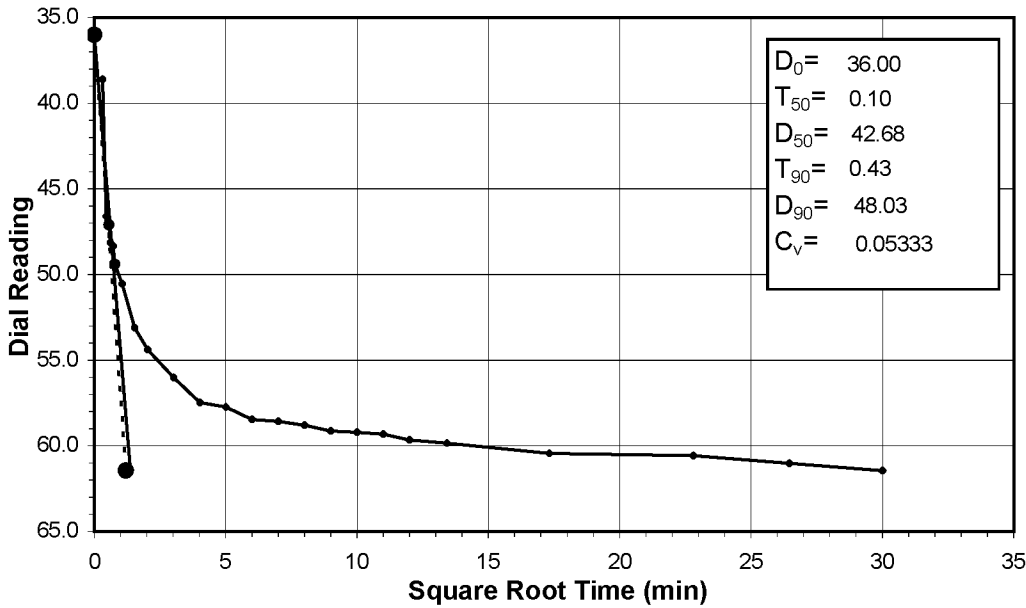
ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates
 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-032

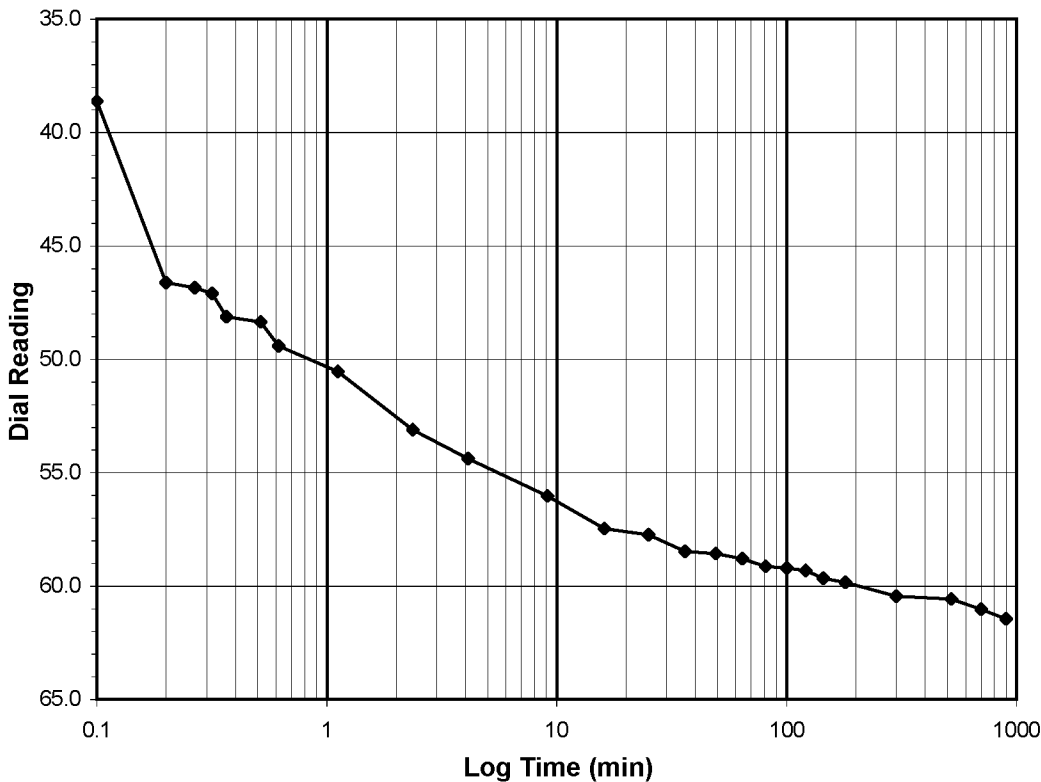
Boring No. R-6-1b
 Depth (ft) 280.7-280.9
 Sample No. ST-40
 Visual Description Gray Silty Fine Sand

Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf)	0.0-0.25
Final Reading (div)	61.4
Consolidometer No.	G1418
1 Division (in)	0.0001
Start Date	11/18/13
Start Time	10:02:20

Elapsed Time (min)	Dial Reading (div)
Initial	0.0
0.10	38.6
0.20	46.6
0.27	46.8
0.32	47.1
0.37	48.1
0.52	48.3
0.62	49.4
1.12	50.5
2.37	53.1
4.12	54.4
9.12	56.0
16.12	57.5
25.12	57.7
36.12	58.5
49.12	58.6
64.12	58.8
81.12	59.1
100.12	59.2
121.12	59.3
144.12	59.7
180.12	59.8
300.12	60.4
520.13	60.6
700.13	61.0
900.37	61.4



Tested By **DB** Date **11/18/13** Checked By **TM** Date **12/6/13**

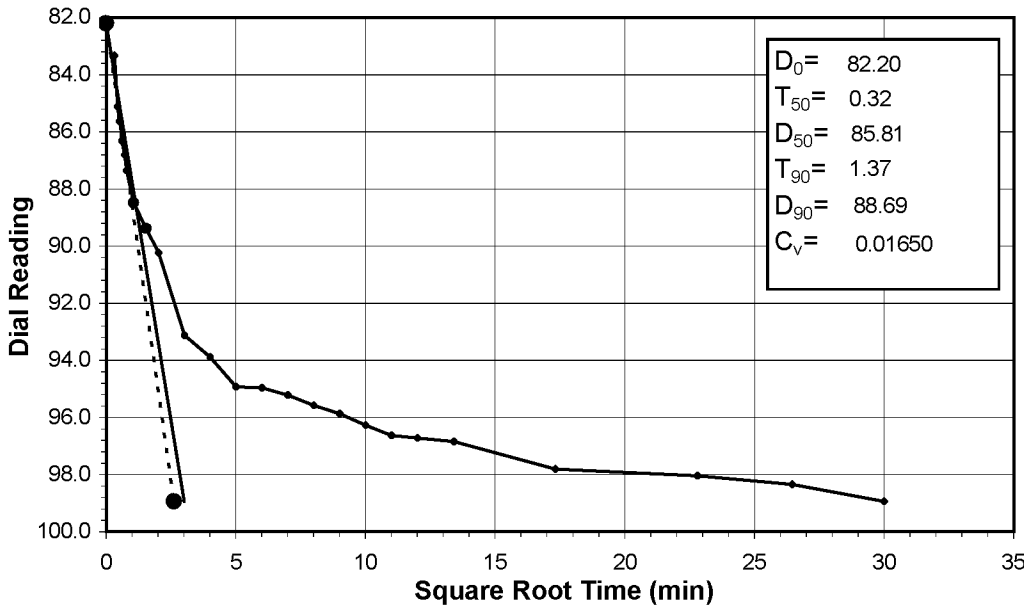
ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates
 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-032

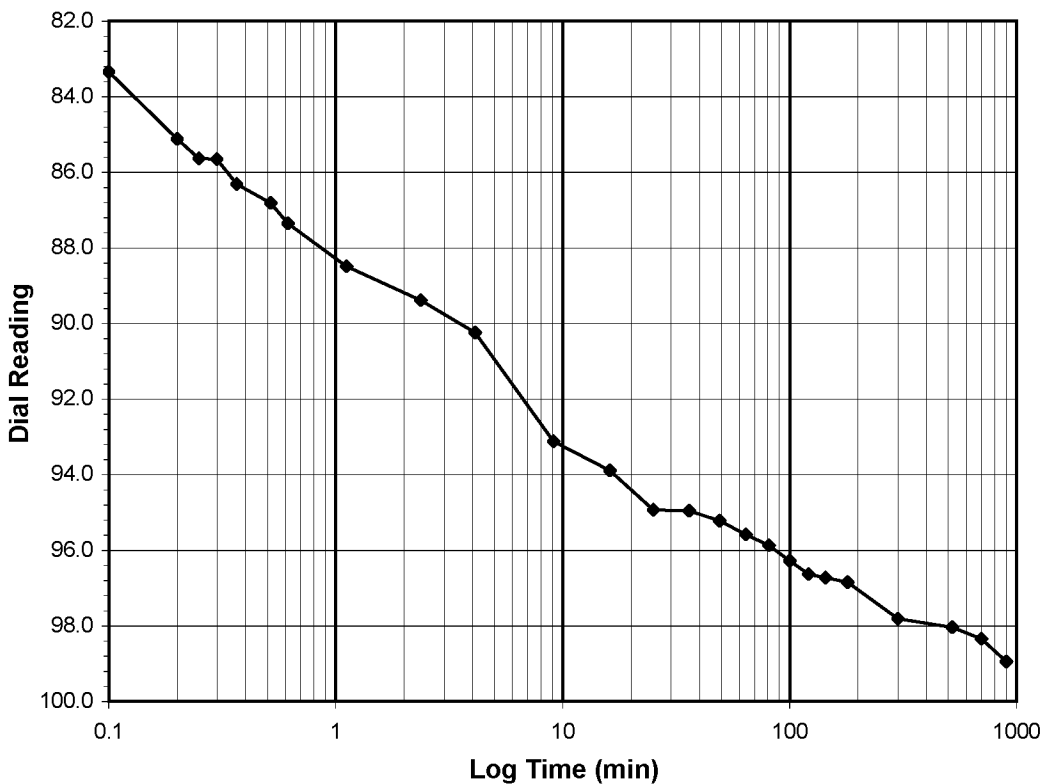
Boring No. R-6-1b
 Depth (ft) 280.7-280.9
 Sample No. ST-40
 Visual Description Gray Silty Fine Sand

Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf)	0.25-0.5
Final Reading (div)	98.9
Consolidometer No.	G1418
1 Division (in)	0.0001
<hr/>	
Start Date	11/19/13
Start Time	1:02:42

Elapsed Time (min)	Dial Reading (div)
<hr/>	
Initial	61.4
0.10	83.3
0.20	85.1
0.25	85.6
0.30	85.6
0.37	86.3
0.52	86.8
0.62	87.4
1.12	88.5
2.37	89.4
4.12	90.2
9.12	93.1
16.12	93.9
25.12	94.9
36.12	95.0
49.12	95.2
64.12	95.6
81.12	95.9
100.12	96.3
121.12	96.6
144.12	96.7
180.12	96.8
300.12	97.8
520.13	98.0
700.13	98.3
900.15	98.9



Tested By **DB** Date **11/19/13** Checked By **TM** Date **12/6/13**

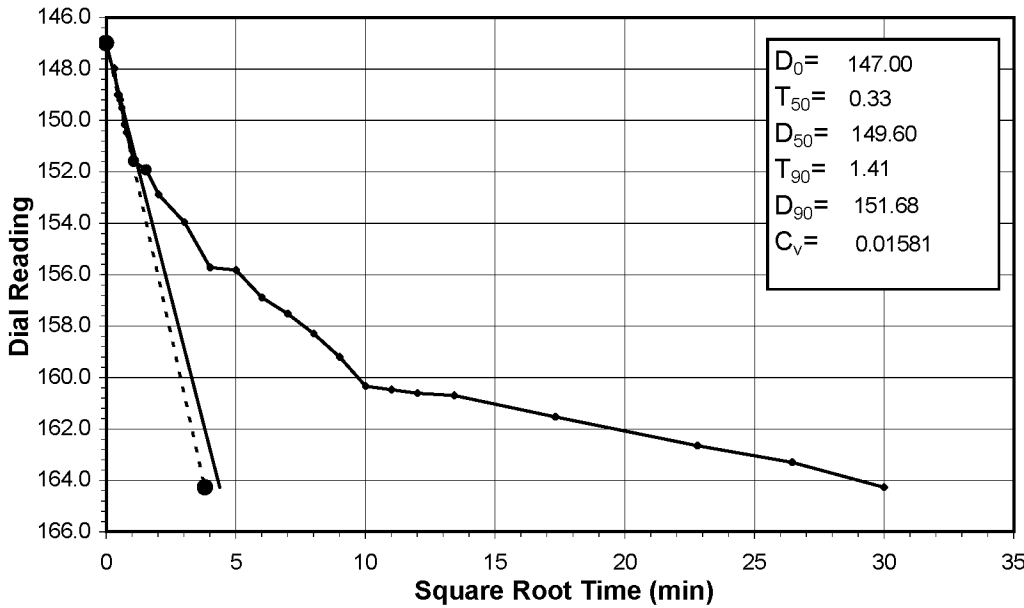
ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates
 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-032

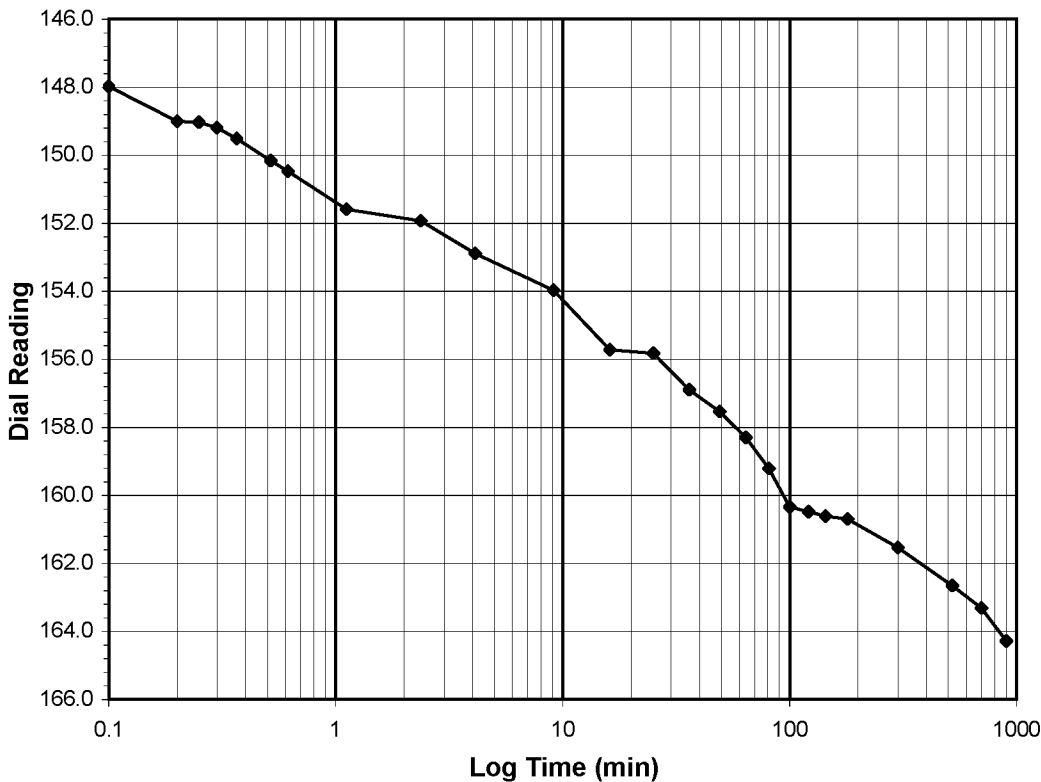
Boring No. R-6-1b
 Depth (ft) 280.7-280.9
 Sample No. ST-40
 Visual Description Gray Silty Fine Sand

Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf)	0.5-1.0
Final Reading (div)	164.3
Consolidometer No.	G1418
1 Division (in)	0.0001
Start Date	11/19/13
Start Time	16:02:51

Elapsed Time (min)	Dial Reading (div)
Initial	98.9
0.10	148.0
0.20	149.0
0.25	149.0
0.30	149.2
0.37	149.5
0.52	150.2
0.62	150.5
1.12	151.6
2.37	151.9
4.12	152.9
9.12	154.0
16.12	155.7
25.12	155.8
36.13	156.9
49.13	157.5
64.13	158.3
81.13	159.2
100.13	160.3
121.13	160.5
144.13	160.6
180.13	160.7
300.13	161.5
520.13	162.7
700.13	163.3
900.30	164.3



Tested By **DB** Date **11/19/13** Checked By **TM** Date **12/6/13**

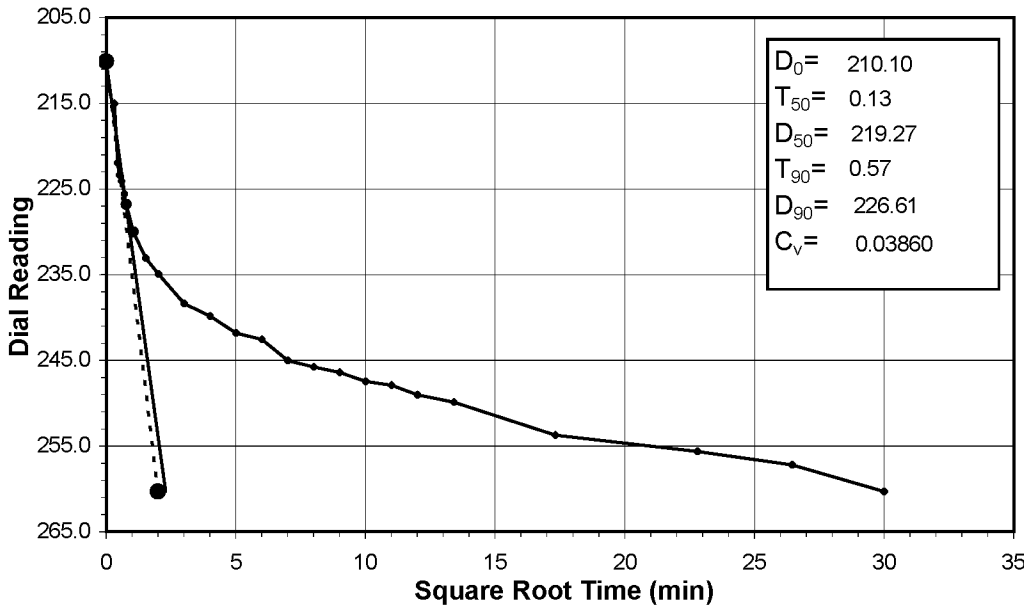
ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates
 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-032

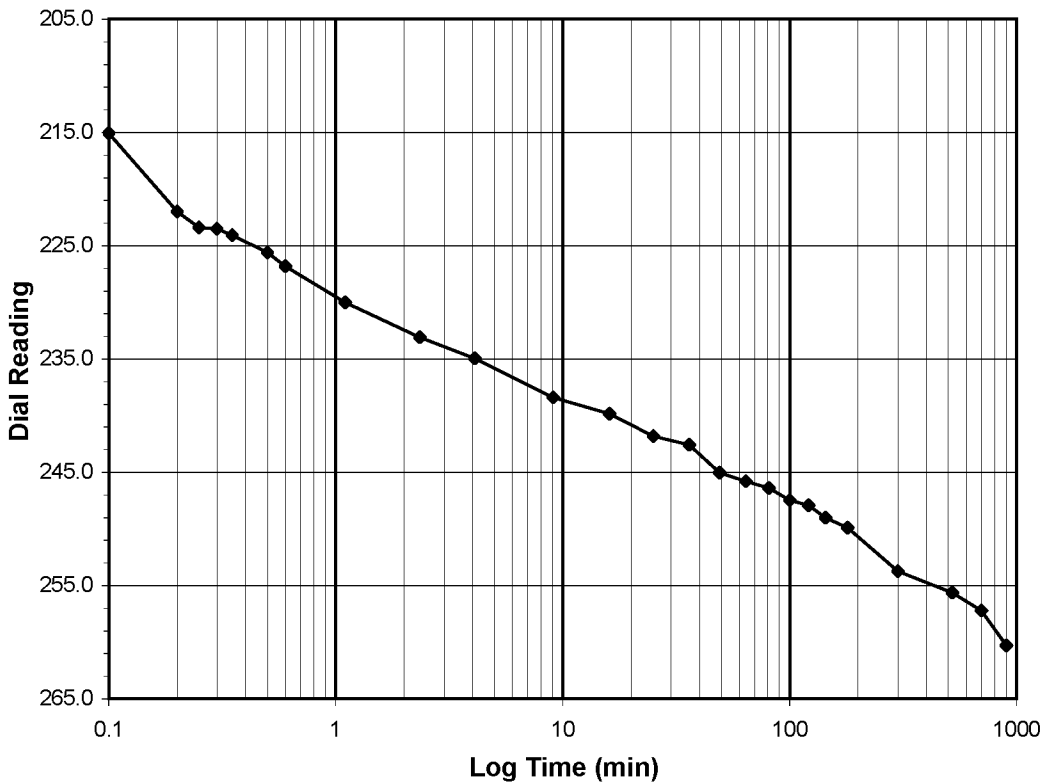
Boring No. R-6-1b
 Depth (ft) 280.7-280.9
 Sample No. ST-40
 Visual Description Gray Silty Fine Sand

Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf)	1.0-2.0
Final Reading (div)	260.3
Consolidometer No.	G1418
1 Division (in)	0.0001
Start Date	11/20/13
Start Time	7:03:09

Elapsed Time (min)	Dial Reading (div)
Initial	164.3
0.10	215.0
0.20	222.0
0.25	223.4
0.30	223.5
0.35	224.1
0.50	225.6
0.60	226.8
1.10	230.0
2.35	233.1
4.10	235.0
9.10	238.4
16.10	239.8
25.10	241.8
36.10	242.6
49.10	245.0
64.10	245.8
81.10	246.4
100.12	247.5
121.12	247.9
144.12	249.0
180.12	249.9
300.12	253.7
520.12	255.6
700.12	257.2
900.22	260.3



Tested By **DB** Date **11/20/13** Checked By **TM** Date **12/6/13**

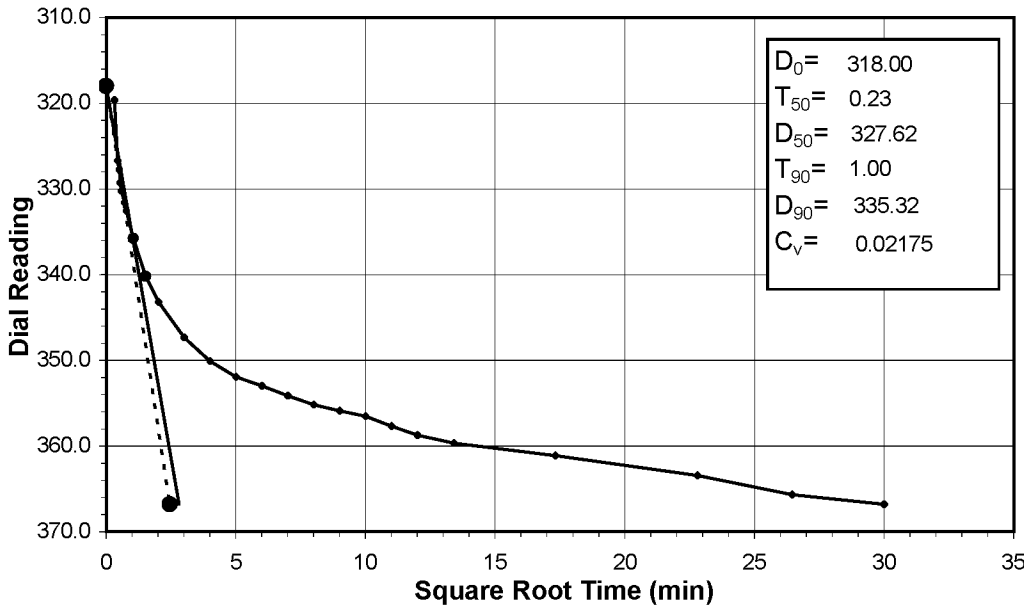
ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates
 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-032

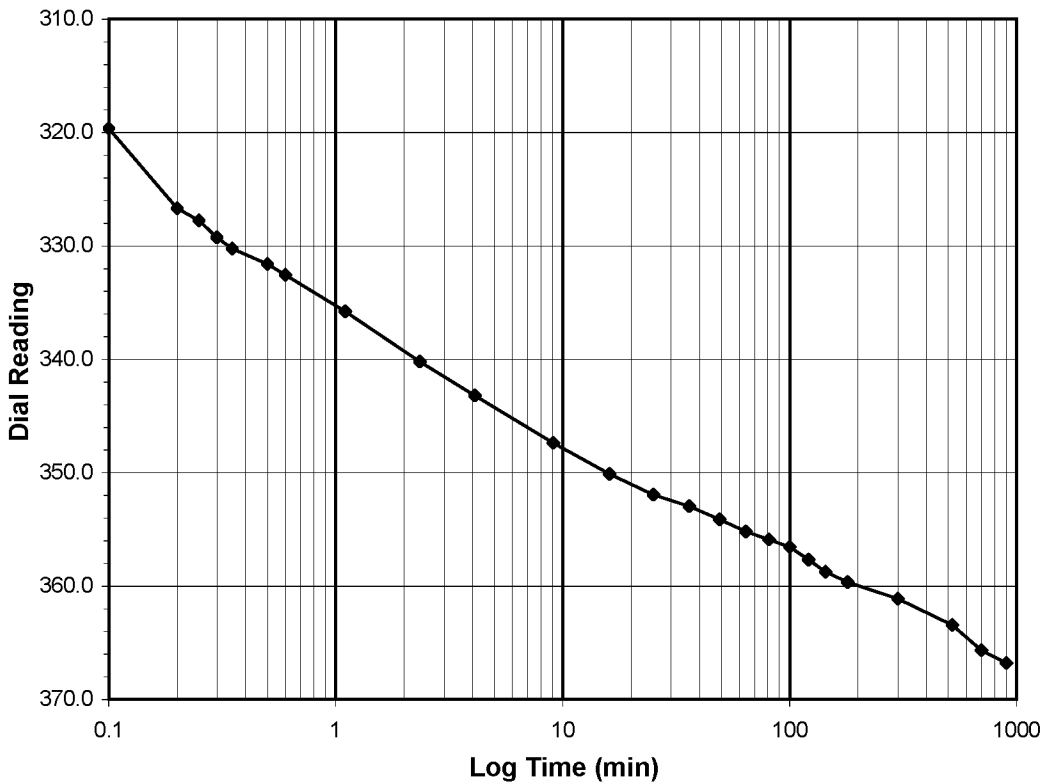
Boring No. R-6-1b
 Depth (ft) 280.7-280.9
 Sample No. ST-40
 Visual Description Gray Silty Fine Sand

Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf)	2.0-4.0
Final Reading (div)	366.8
Consolidometer No.	G1418
1 Division (in)	0.0001
Start Date	11/20/13
Start Time	22:03:22

Elapsed Time (min)	Dial Reading (div)
Initial	260.3
0.10	319.6
0.20	326.7
0.25	327.7
0.30	329.3
0.35	330.2
0.50	331.6
0.60	332.6
1.10	335.8
2.35	340.2
4.10	343.2
9.10	347.4
16.10	350.1
25.10	351.9
36.10	353.0
49.10	354.1
64.10	355.2
81.10	355.9
100.10	356.5
121.12	357.7
144.12	358.7
180.12	359.7
300.12	361.1
520.12	363.4
700.12	365.7
900.33	366.8



Tested By **DB** Date **11/20/13** Checked By **TM** Date **12/6/13**

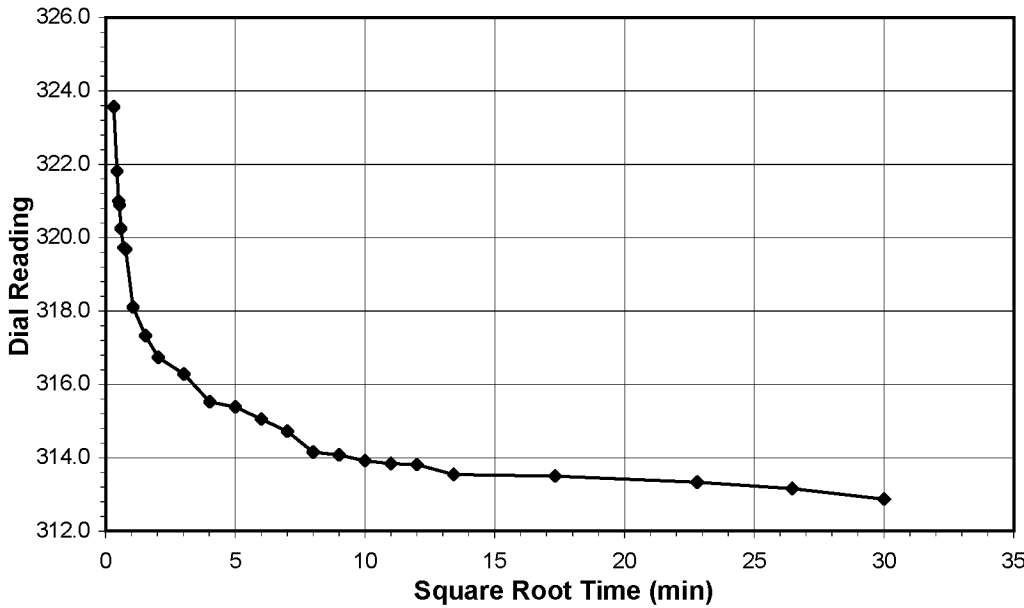
ONE DIMENSIONAL CONSOLIDATION

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 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-032

Boring No. R-6-1b
 Depth (ft) 280.7-280.9
 Sample No. ST-40
 Visual Description Gray Silty Fine Sand

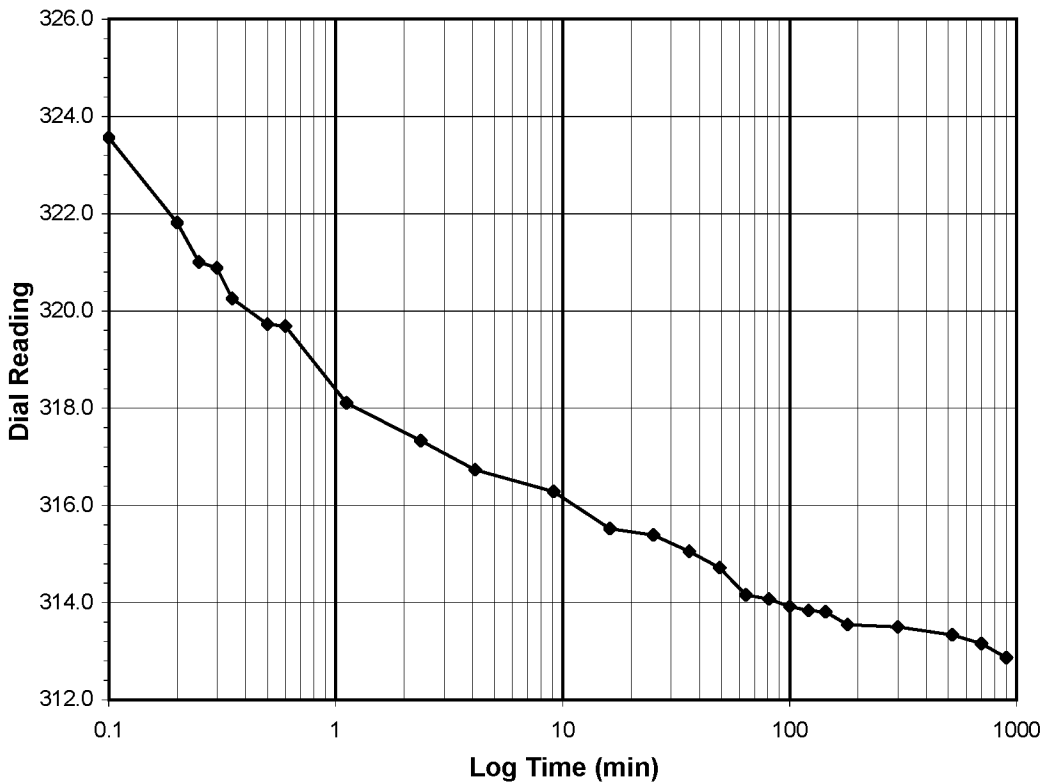
Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf) 4.0-1.0
Final Reading (div) 312.9
 Consolidometer No. G1418
 1 Division (in) 0.0001

Start Date 11/21/13
 Start Time 13:03:42

Elapsed Time (min)	Dial Reading (div)
Initial	366.8
0.10	323.6
0.20	321.8
0.25	321.0
0.30	320.9
0.35	320.3
0.50	319.7
0.60	319.7
1.12	318.1
2.37	317.3
4.12	316.7
9.12	316.3
16.12	315.5
25.12	315.4
36.12	315.1
49.12	314.7
64.12	314.2
81.12	314.1
100.12	313.9
121.12	313.8
144.12	313.8
180.12	313.5
300.12	313.5
520.12	313.3
700.12	313.2
900.23	312.9



Tested By DB Date 11/21/13 Checked By TM Date 12/6/13

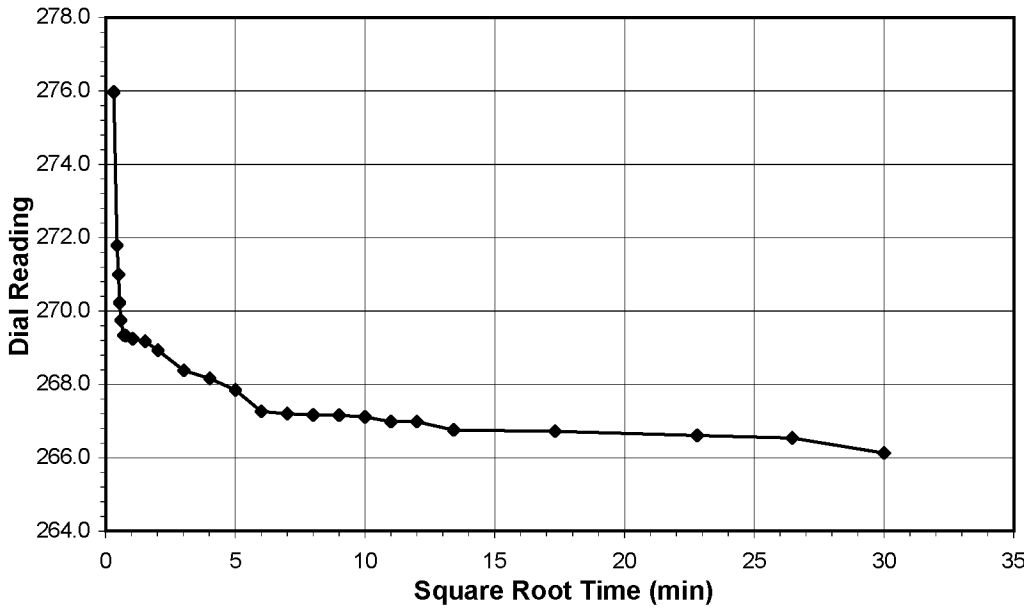
ONE DIMENSIONAL CONSOLIDATION

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 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-032

Boring No. R-6-1b
 Depth (ft) 280.7-280.9
 Sample No. ST-40
 Visual Description Gray Silty Fine Sand

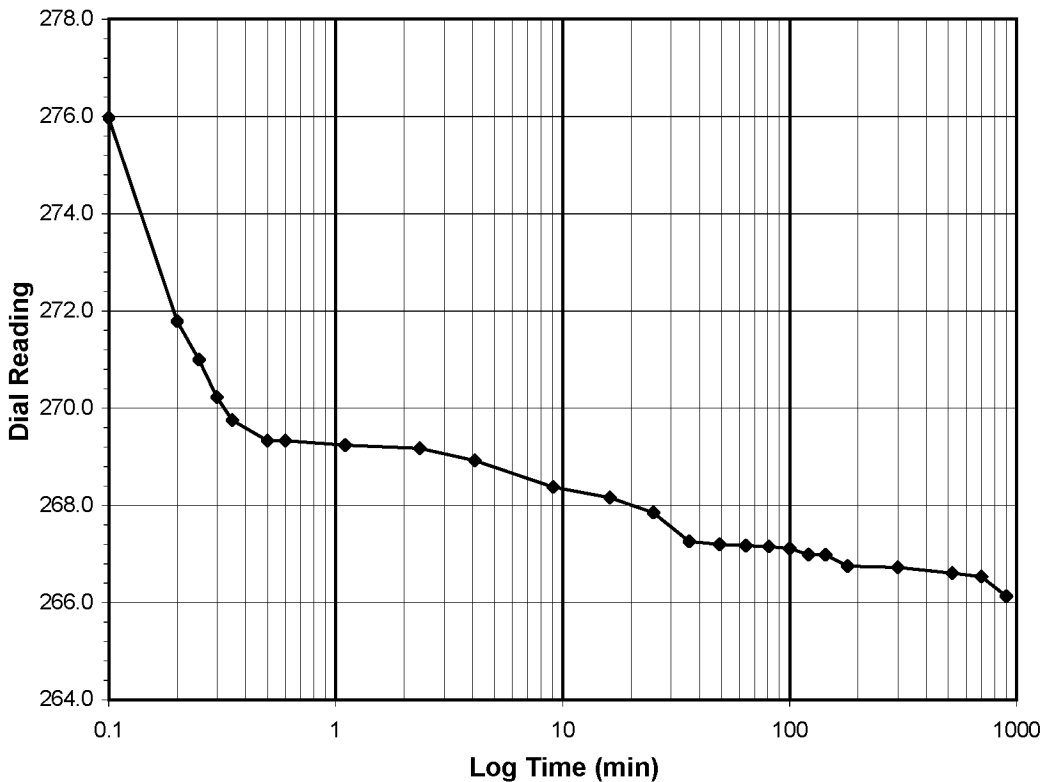
Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf) 1.0-0.25
Final Reading (div) 266.1
 Consolidometer No. G1418
 1 Division (in) 0.0001

Start Date 11/22/13
 Start Time 4:03:56

Elapsed Time (min)	Dial Reading (div)
Initial	312.9
0.10	276.0
0.20	271.8
0.25	271.0
0.30	270.2
0.35	269.8
0.50	269.3
0.60	269.3
1.10	269.2
2.35	269.2
4.10	268.9
9.10	268.4
16.12	268.2
25.12	267.9
36.12	267.3
49.12	267.2
64.12	267.2
81.12	267.2
100.12	267.1
121.12	267.0
144.12	267.0
180.12	266.8
300.12	266.7
520.12	266.6
700.12	266.5
900.30	266.1



Tested By DB Date 11/22/13 Checked By TM Date 12/6/13

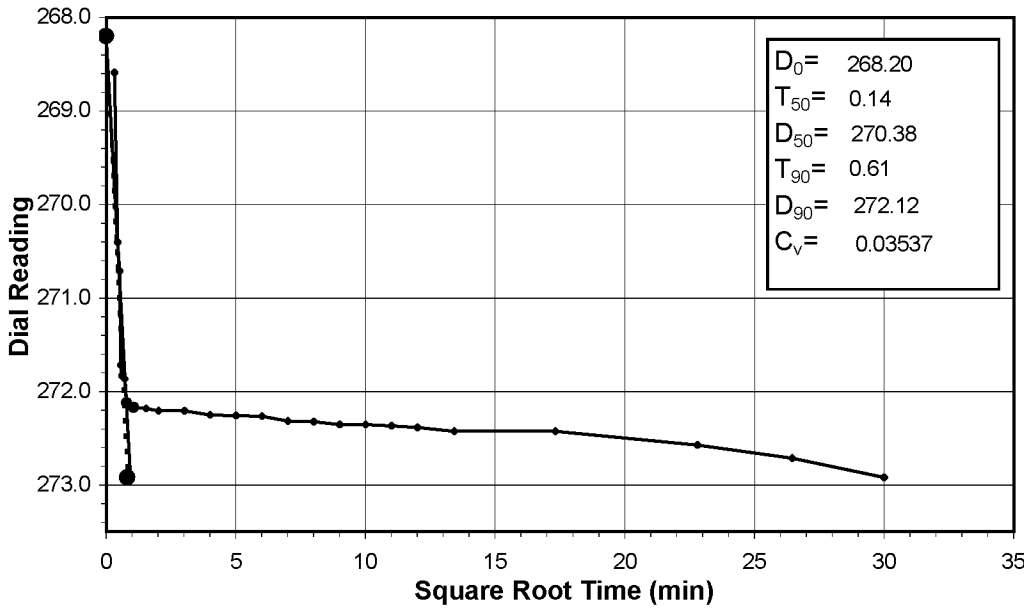
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 Project No. 2013-465-001
 Lab ID 2013-465-001-032

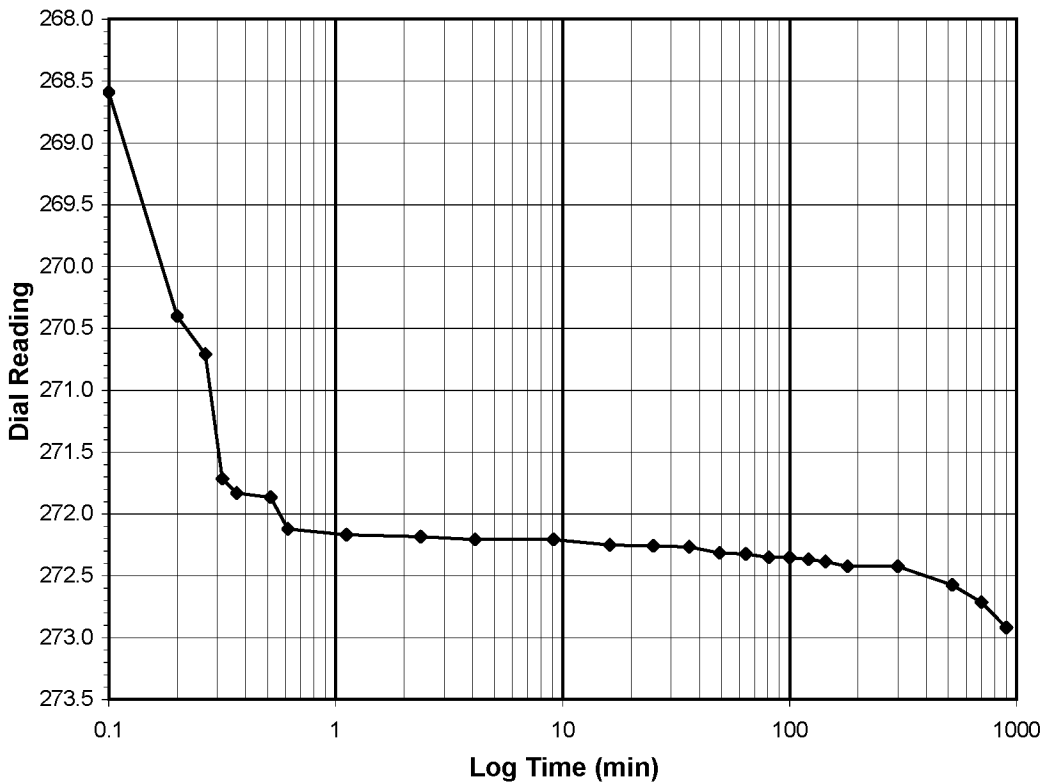
Boring No. R-6-1b
 Depth (ft) 280.7-280.9
 Sample No. ST-40
 Visual Description Gray Silty Fine Sand

Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf)	0.25-0.5
Final Reading (div)	272.9
Consolidometer No.	G1418
1 Division (in)	0.0001
Start Date	11/22/13
Start Time	19:04:14

Elapsed Time (min)	Dial Reading (div)
Initial	266.1
0.10	268.6
0.20	270.4
0.27	270.7
0.32	271.7
0.37	271.8
0.52	271.9
0.62	272.1
1.12	272.2
2.37	272.2
4.12	272.2
9.12	272.2
16.12	272.3
25.12	272.3
36.12	272.3
49.12	272.3
64.12	272.3
81.12	272.4
100.13	272.4
121.13	272.4
144.13	272.4
180.13	272.4
300.13	272.4
520.13	272.6
700.13	272.7
900.23	272.9



Tested By **DB** Date **11/22/13** Checked By **TM** Date **12/6/13**

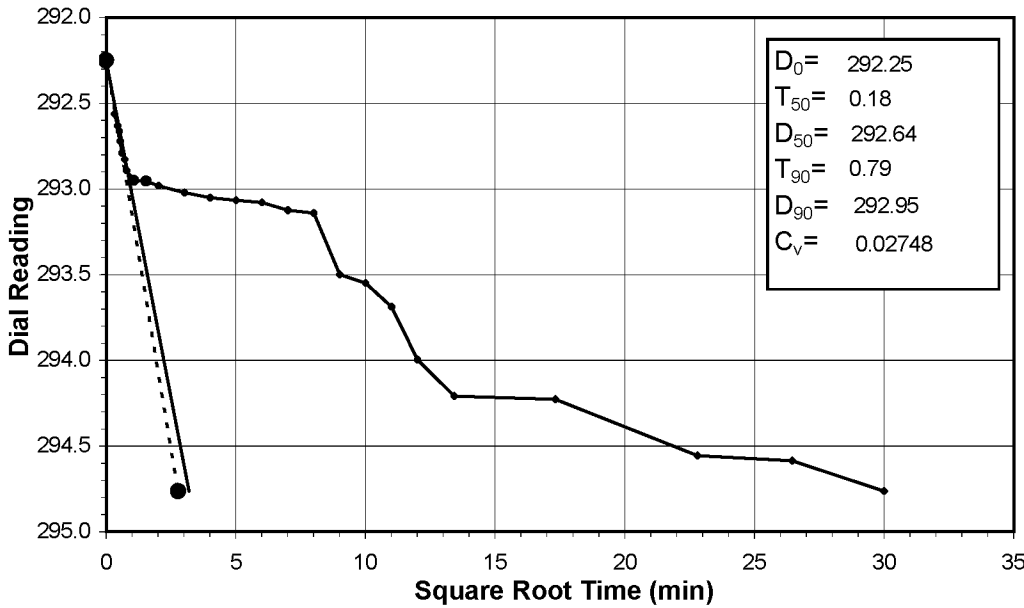
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 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-032

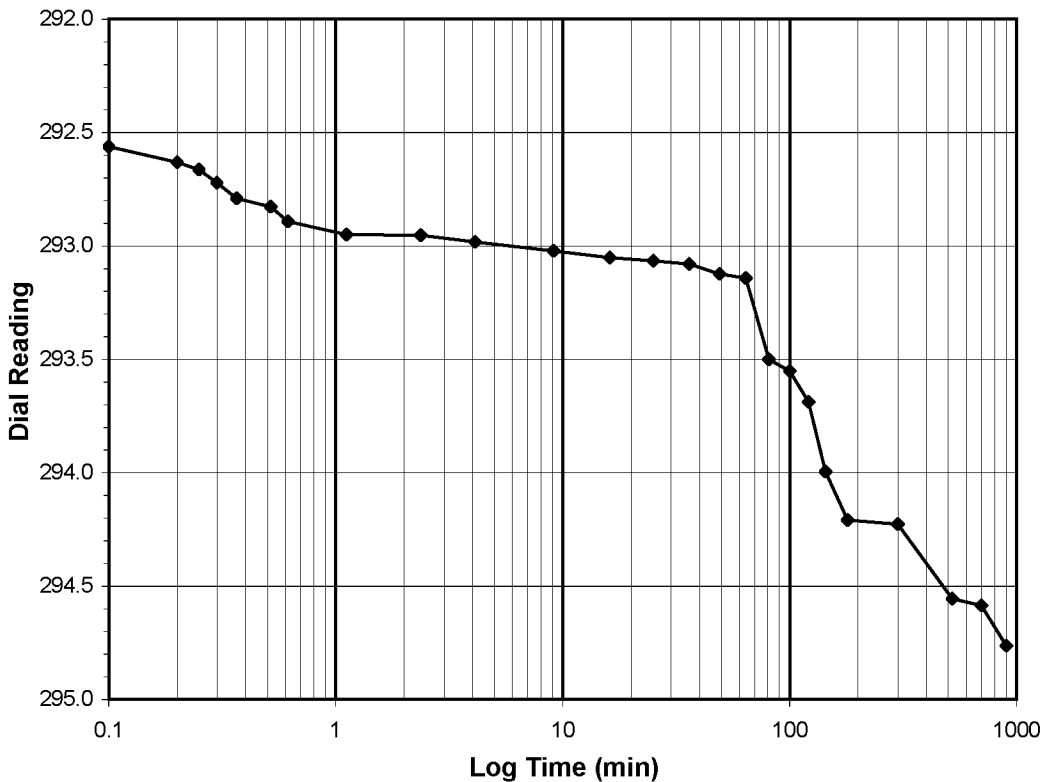
Boring No. R-6-1b
 Depth (ft) 280.7-280.9
 Sample No. ST-40
 Visual Description Gray Silty Fine Sand

Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf)	0.5-1.0
Final Reading (div)	294.8
Consolidometer No.	G1418
1 Division (in)	0.0001
Start Date	11/23/13
Start Time	10:04:28

Elapsed Time (min)	Dial Reading (div)
Initial	272.9
0.10	292.6
0.20	292.6
0.25	292.7
0.30	292.7
0.37	292.8
0.52	292.8
0.62	292.9
1.12	292.9
2.37	293.0
4.12	293.0
9.12	293.0
16.12	293.1
25.12	293.1
36.12	293.1
49.12	293.1
64.12	293.1
81.13	293.5
100.13	293.6
121.13	293.7
144.13	294.0
180.13	294.2
300.13	294.2
520.13	294.6
700.13	294.6
900.30	294.8



Tested By **DB** Date **11/23/13** Checked By **TM** Date **12/6/13**

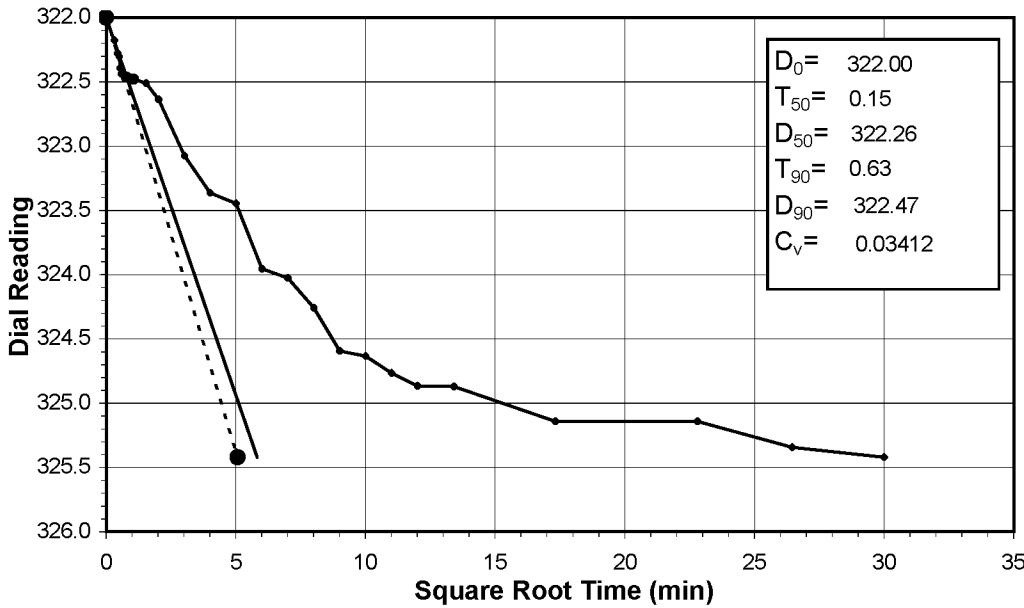
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 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-032

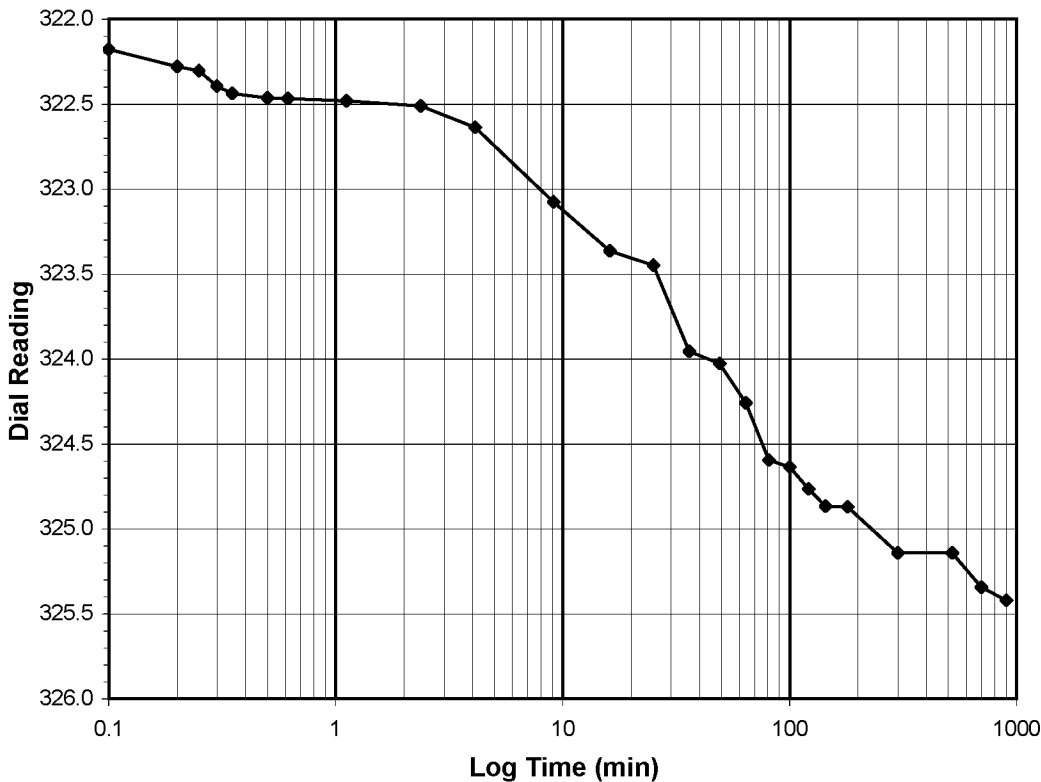
Boring No. R-6-1b
 Depth (ft) 280.7-280.9
 Sample No. ST-40
 Visual Description Gray Silty Fine Sand

Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf)	1.0-2.0
Final Reading (div)	325.4
Consolidometer No.	G1418
1 Division (in)	0.0001
<hr/>	
Start Date	11/24/13
Start Time	1:04:46

Elapsed Time (min)	Dial Reading (div)
<hr/>	
Initial	294.8
0.10	322.2
0.20	322.3
0.25	322.3
0.30	322.4
0.35	322.4
0.50	322.5
0.62	322.5
1.12	322.5
2.37	322.5
4.12	322.6
9.12	323.1
16.12	323.4
25.12	323.4
36.12	324.0
49.12	324.0
64.12	324.3
81.12	324.6
100.12	324.6
121.12	324.8
144.12	324.9
180.12	324.9
300.13	325.1
520.13	325.1
700.13	325.3
900.18	325.4



Tested By **DB** Date **11/24/13** Checked By **TM** Date **12/6/13**

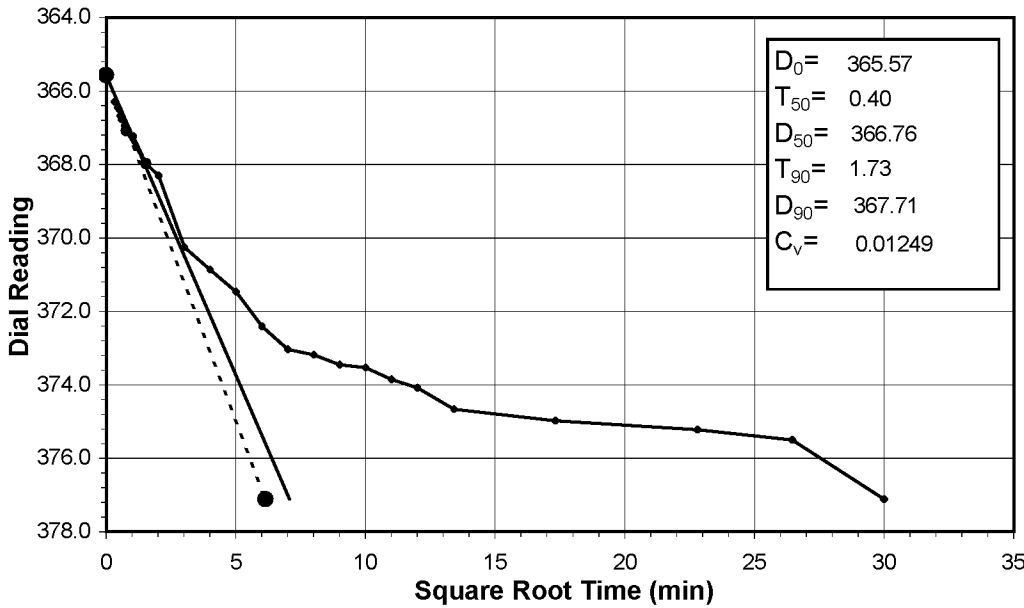
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 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-032

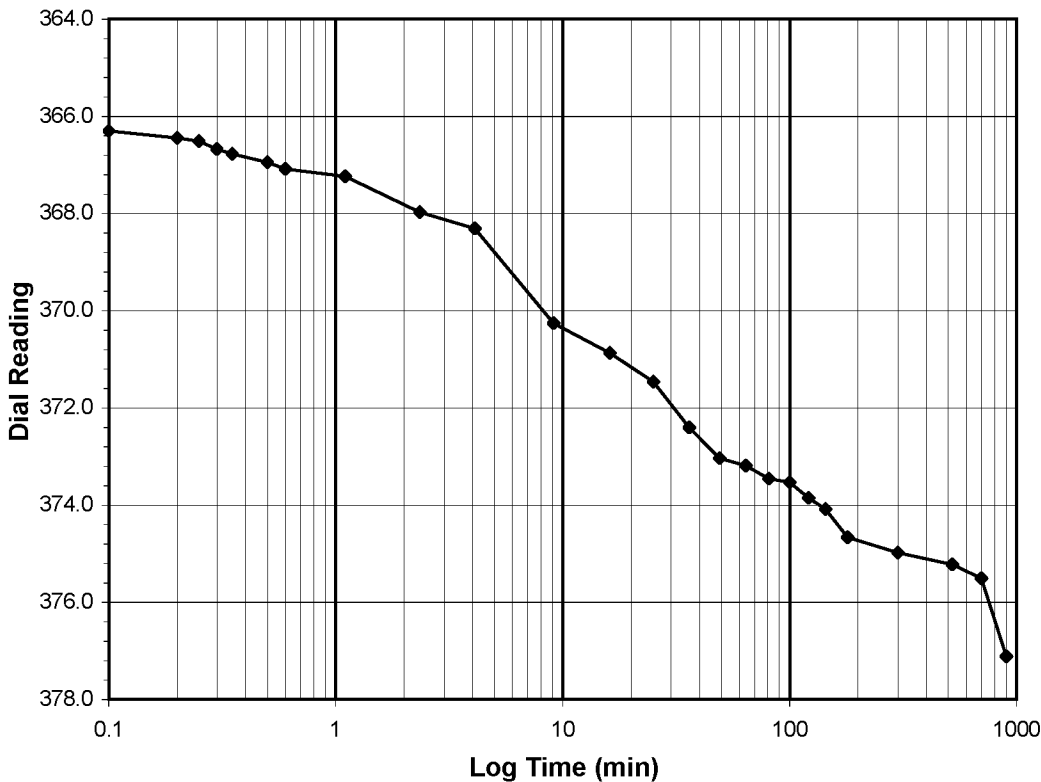
Boring No. R-6-1b
 Depth (ft) 280.7-280.9
 Sample No. ST-40
 Visual Description Gray Silty Fine Sand

Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf)	2.0-4.0
Final Reading (div)	377.1
Consolidometer No.	G1418
1 Division (in)	0.0001
Start Date	11/24/13
Start Time	16:04:57

Elapsed Time (min)	Dial Reading (div)
Initial	325.4
0.10	366.3
0.20	366.4
0.25	366.5
0.30	366.7
0.35	366.8
0.50	366.9
0.60	367.1
1.10	367.2
2.35	368.0
4.10	368.3
9.12	370.3
16.12	370.9
25.12	371.5
36.12	372.4
49.12	373.0
64.12	373.2
81.12	373.5
100.12	373.5
121.12	373.9
144.12	374.1
180.12	374.7
300.12	375.0
520.12	375.2
700.12	375.5
900.27	377.1



Tested By **DB** Date **11/24/13** Checked By **TM** Date **12/6/13**

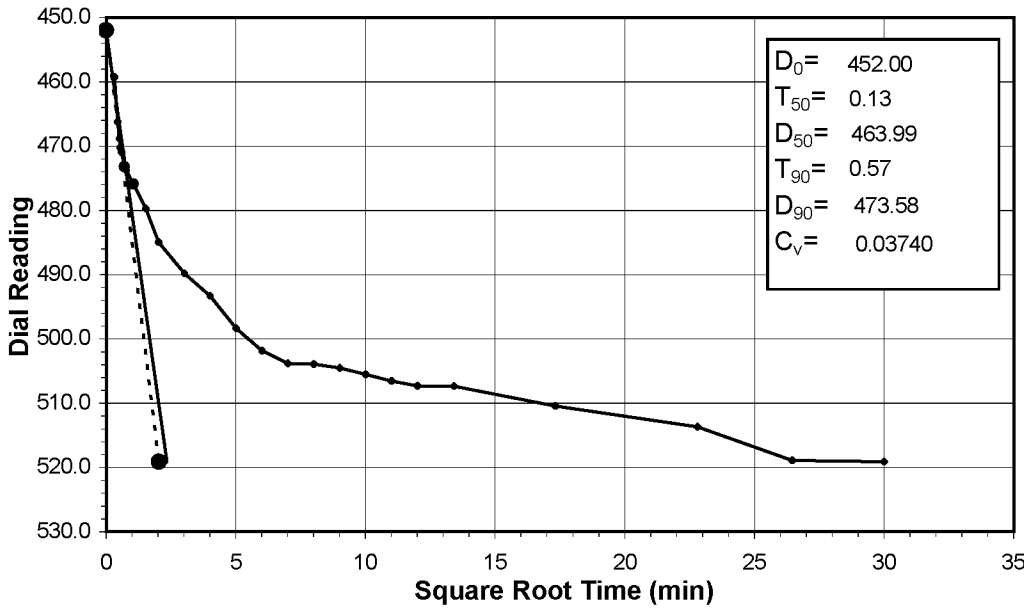
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Client Paul C. Rizzo & Associates
 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-032

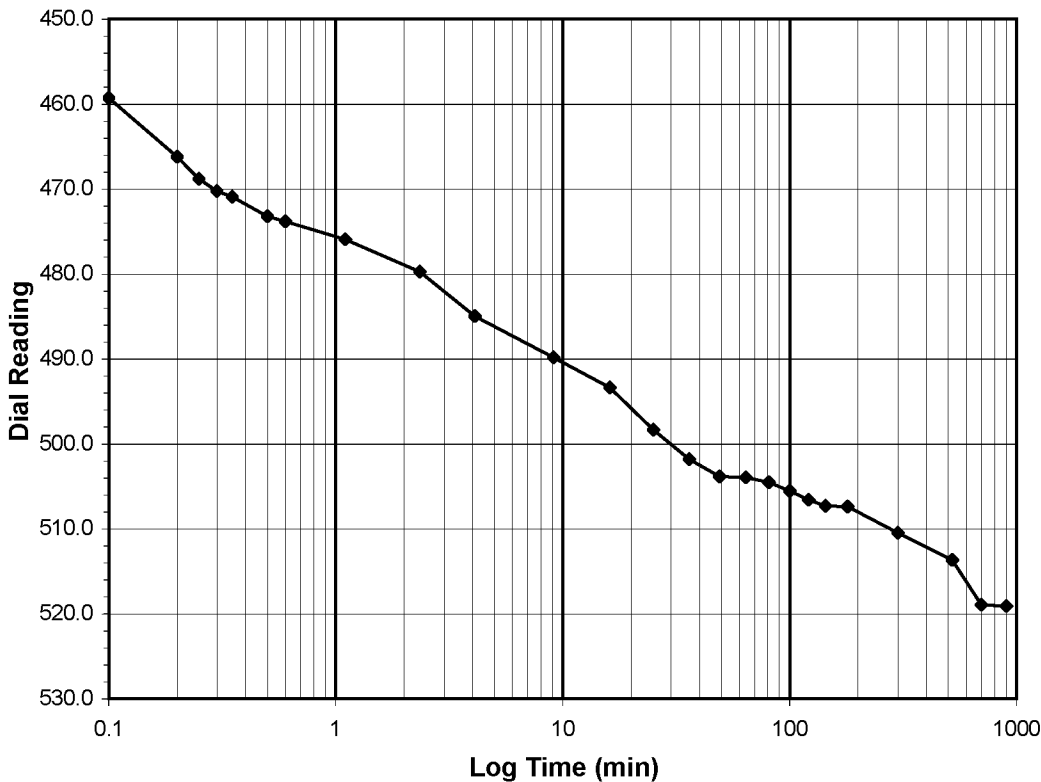
Boring No. R-6-1b
 Depth (ft) 280.7-280.9
 Sample No. ST-40
 Visual Description Gray Silty Fine Sand

Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf)	4.0-8.0
Final Reading (div)	519.1
Consolidometer No.	G1418
1 Division (in)	0.0001
Start Date	11/25/13
Start Time	7:05:13

Elapsed Time (min)	Dial Reading (div)
Initial	377.1
0.10	459.2
0.20	466.2
0.25	468.8
0.30	470.2
0.35	470.9
0.50	473.2
0.60	473.8
1.10	475.9
2.35	479.7
4.10	485.0
9.12	489.8
16.12	493.3
25.12	498.3
36.12	501.8
49.12	503.8
64.12	503.9
81.12	504.5
100.12	505.5
121.12	506.6
144.12	507.3
180.12	507.3
300.12	510.5
520.12	513.7
700.12	518.9
900.08	519.1



Tested By **DB** Date **11/25/13** Checked By **TM** Date **12/6/13**

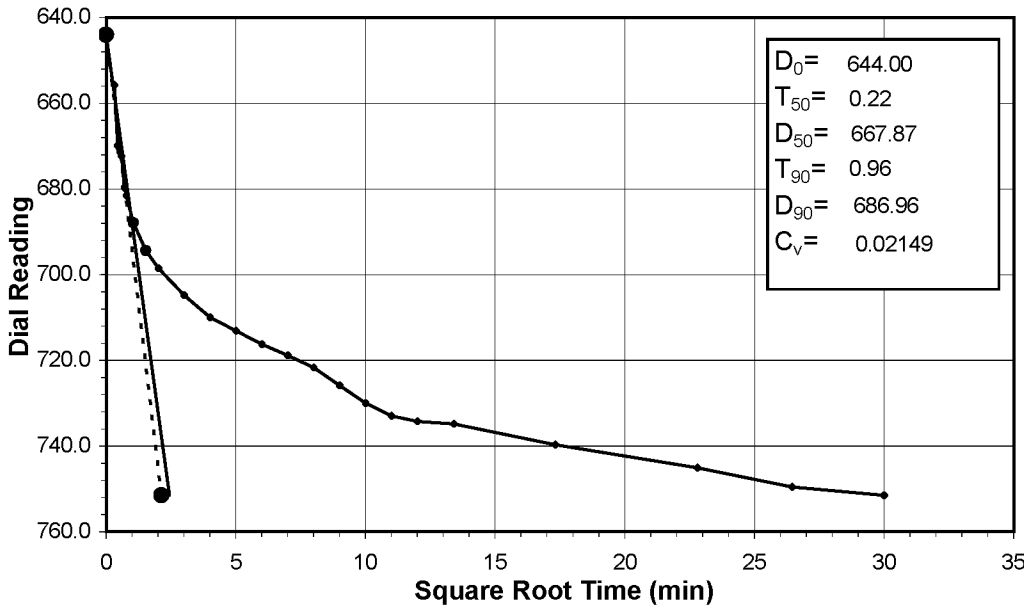
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ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates
 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-032

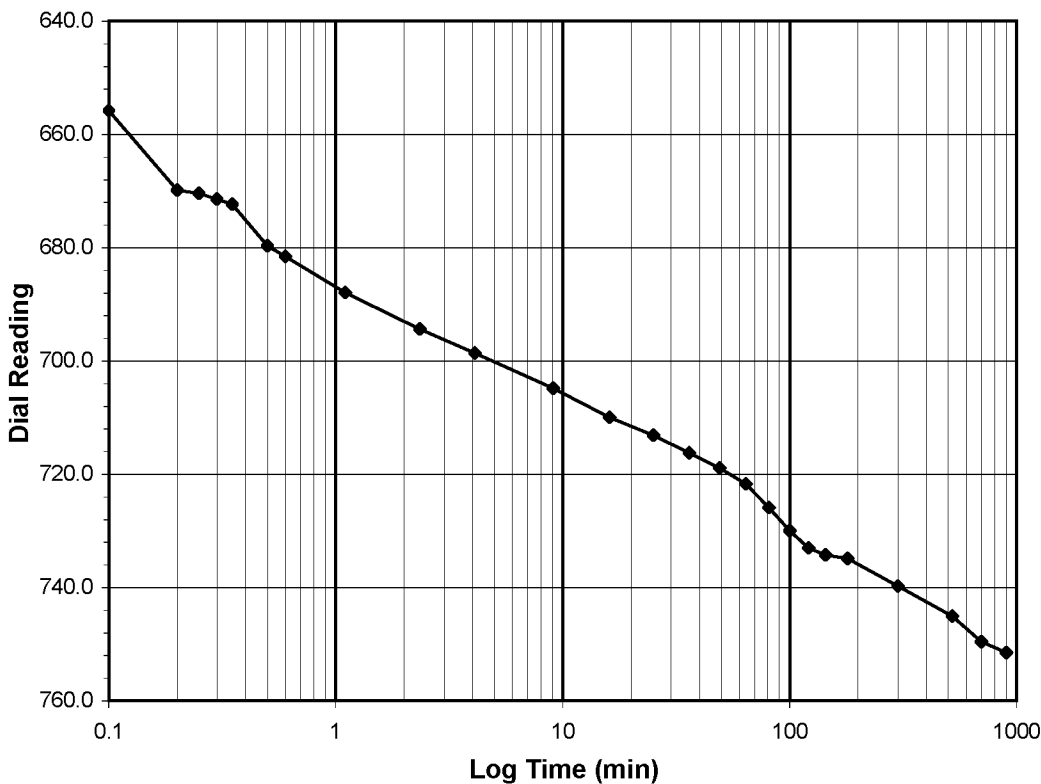
Boring No. R-6-1b
 Depth (ft) 280.7-280.9
 Sample No. ST-40
 Visual Description Gray Silty Fine Sand

Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf)	8.0-16.0
Final Reading (div)	751.5
Consolidometer No.	G1418
1 Division (in)	0.0001
Start Date	11/25/13
Start Time	22:05:19

Elapsed Time (min)	Dial Reading (div)
Initial	519.1
0.10	655.8
0.20	669.8
0.25	670.4
0.30	671.4
0.35	672.3
0.50	679.6
0.60	681.6
1.10	687.9
2.35	694.4
4.10	698.6
9.10	704.8
16.10	709.9
25.12	713.1
36.12	716.2
49.12	718.9
64.12	721.7
81.12	725.9
100.12	730.0
121.12	733.0
144.12	734.2
180.12	734.8
300.12	739.7
520.12	745.0
700.12	749.6
900.02	751.5



Tested By **DB** Date **11/25/13** Checked By **TM** Date **12/6/13**

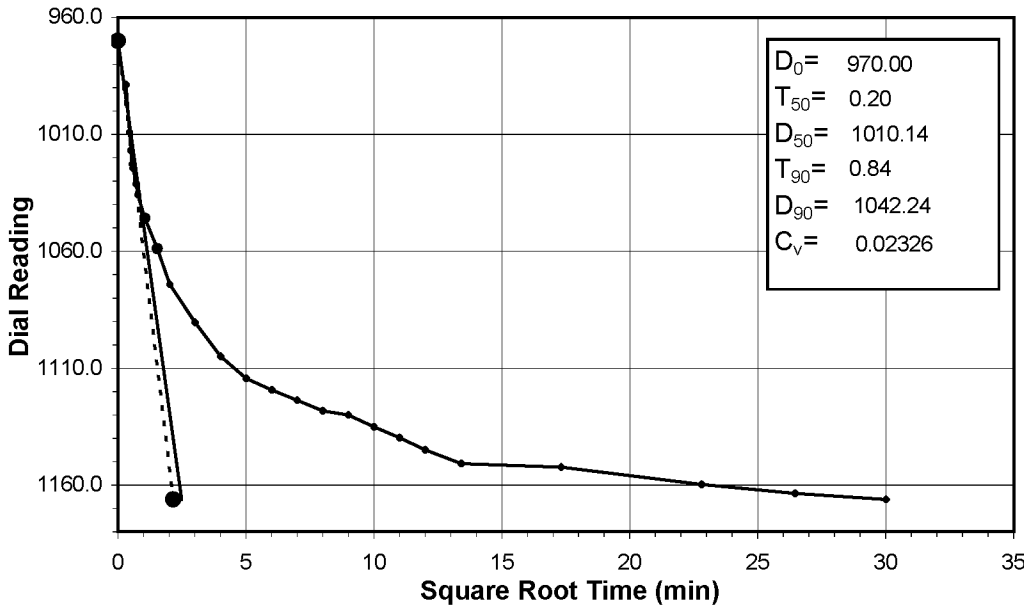
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ASTM D2435 / D2435M-11

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 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-032

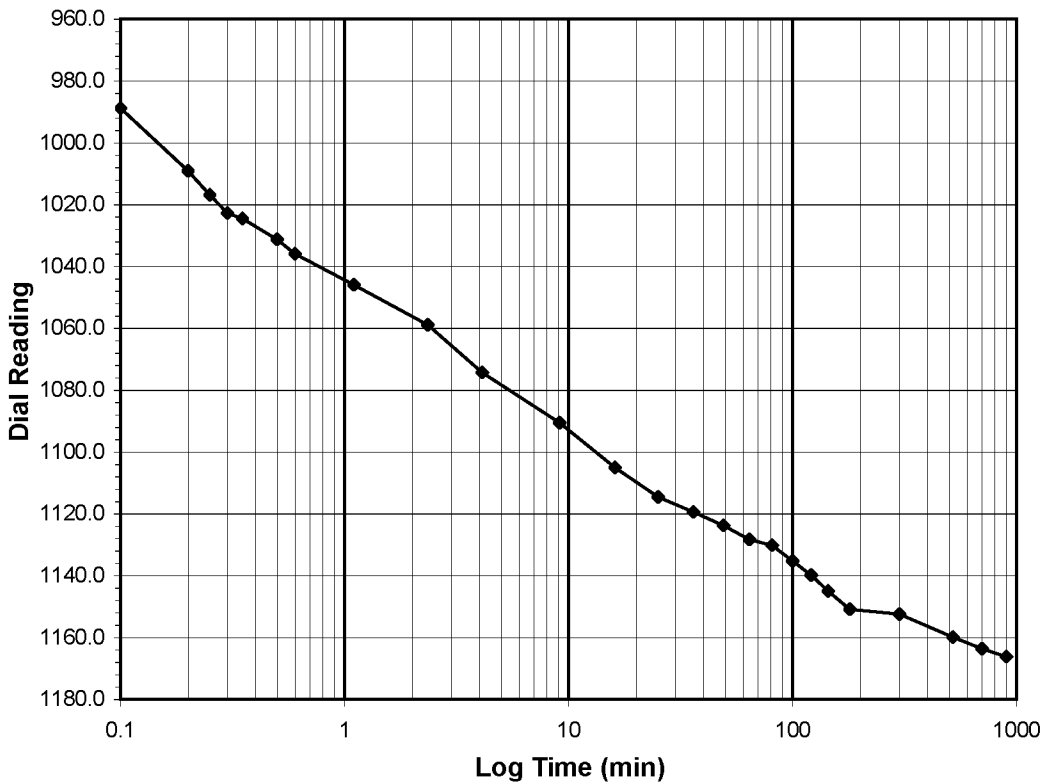
Boring No. R-6-1b
 Depth (ft) 280.7-280.9
 Sample No. ST-40
 Visual Description Gray Silty Fine Sand

Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf)	16.0-32.0
Final Reading (div)	1166.2
Consolidometer No.	G1418
1 Division (in)	0.0001
Start Date	11/26/13
Start Time	13:05:20

Elapsed Time (min)	Dial Reading (div)
Initial	751.5
0.10	988.8
0.20	1009.0
0.25	1016.8
0.30	1022.7
0.35	1024.5
0.50	1031.2
0.60	1035.8
1.10	1045.8
2.35	1058.8
4.12	1074.2
9.12	1090.5
16.12	1105.0
25.12	1114.4
36.12	1119.4
49.12	1123.7
64.12	1128.3
81.12	1130.1
100.12	1135.2
121.12	1139.7
144.12	1144.9
180.12	1150.8
300.12	1152.4
520.12	1159.8
700.12	1163.5
900.42	1166.2



Tested By **DB** Date **11/26/13** Checked By **TM** Date **12/6/13**

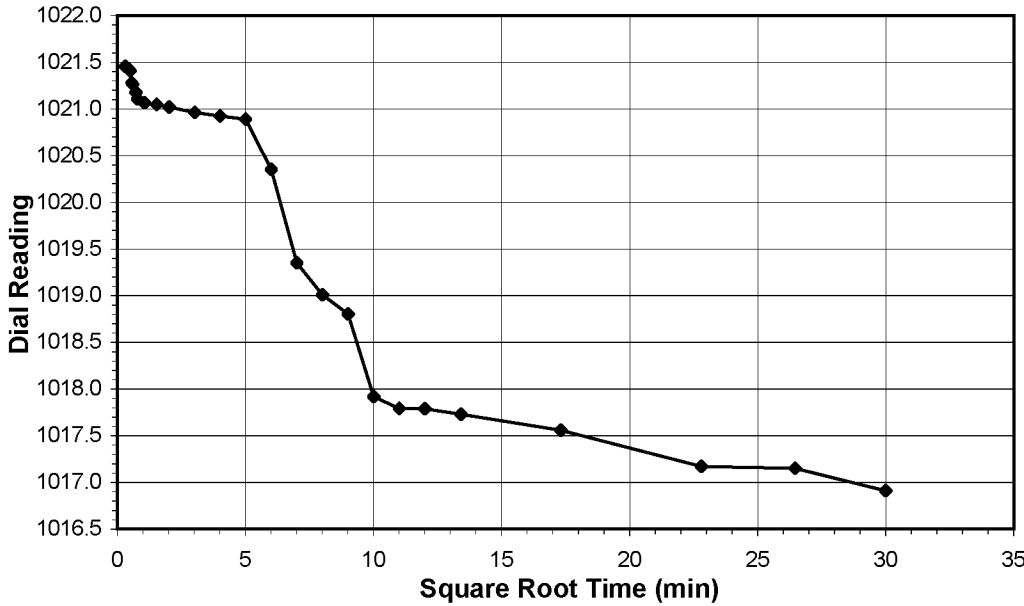
ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates
 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-032

Boring No. R-6-1b
 Depth (ft) 280.7-280.9
 Sample No. ST-40
 Visual Description Gray Silty Fine Sand

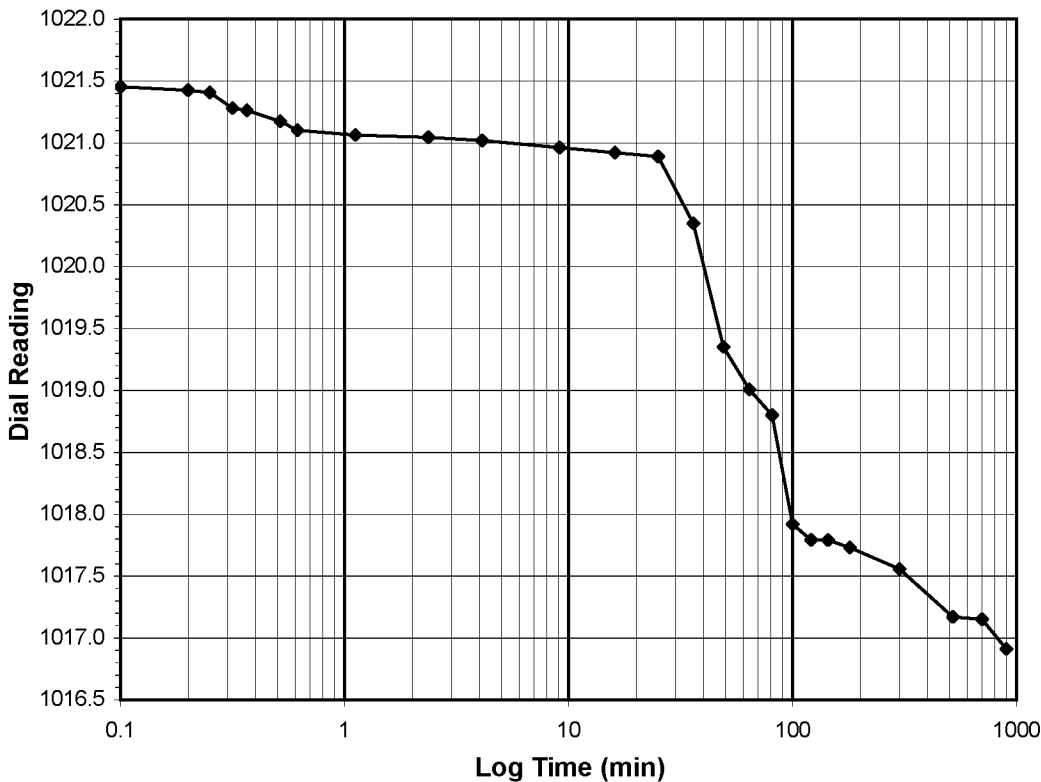
Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf) 32.0-8.0
Final Reading (div) 1016.9
 Consolidometer No. G1418
 1 Division (in) 0.0001

Start Date 11/27/13
 Start Time 4:05:45

Elapsed Time (min)	Dial Reading (div)
Initial	1166.2
0.10	1021.5
0.20	1021.4
0.25	1021.4
0.32	1021.3
0.37	1021.3
0.52	1021.2
0.62	1021.1
1.12	1021.1
2.37	1021.0
4.12	1021.0
9.12	1021.0
16.12	1020.9
25.12	1020.9
36.12	1020.4
49.12	1019.4
64.12	1019.0
81.12	1018.8
100.12	1017.9
121.12	1017.8
144.12	1017.8
180.12	1017.7
300.13	1017.6
520.13	1017.2
700.13	1017.2
900.33	1016.9



Tested By DB Date 11/27/13 Checked By TM Date 12/6/13

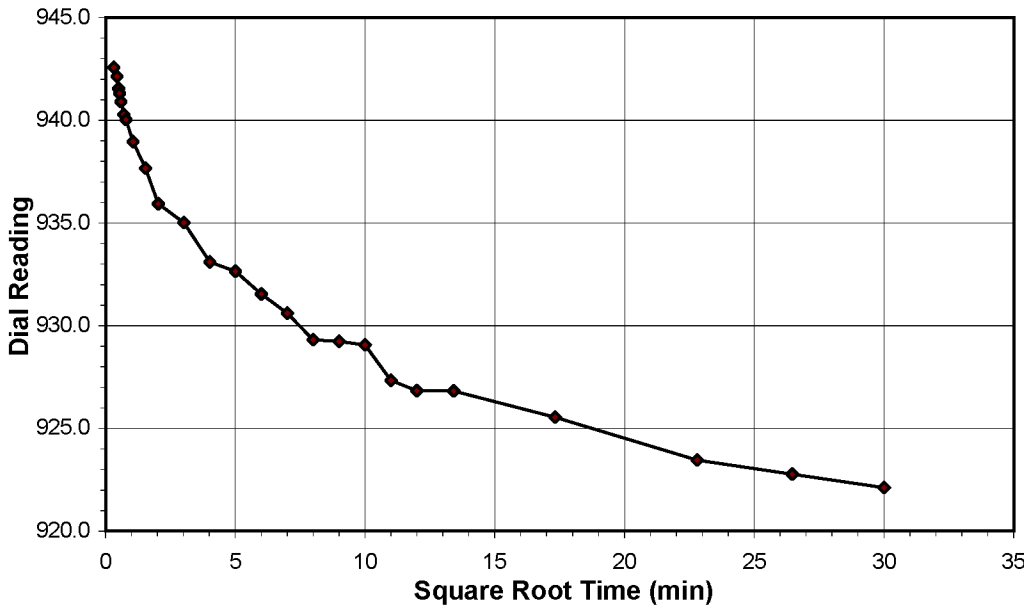
ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates
 Client Project Turkey Point Units 6 & 7 Site
 Project No. 2013-465-001
 Lab ID 2013-465-001-032

Boring No. R-6-1b
 Depth (ft) 280.7-280.9
 Sample No. ST-40
 Visual Description Gray Silty Fine Sand

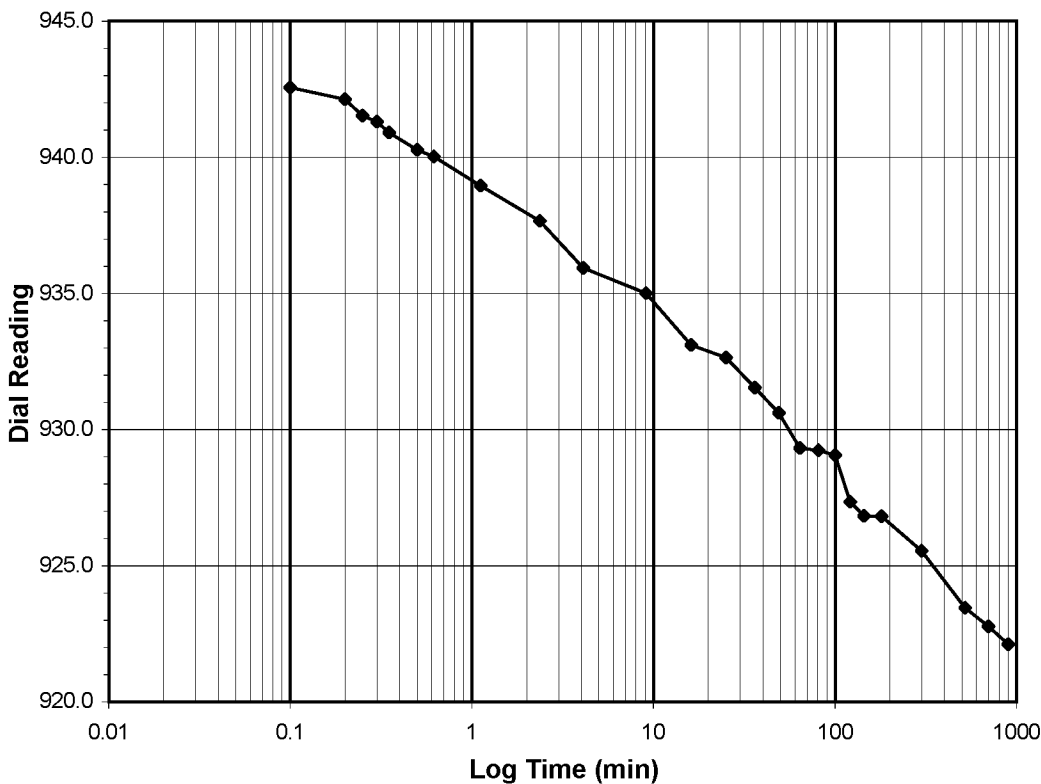
Sample Conditions: Undisturbed, Inundated And Double Drained



Test Load (tsf) 8.0-2.0
Final Reading (div) 922.1
 Consolidometer No. G1418
 1 Division (in) 0.0001

Start Date 11/27/13
Start Time 19:06:05

Elapsed Time (min)	Dial Reading (div)
Initial	1016.9
0.10	942.6
0.20	942.1
0.25	941.5
0.30	941.3
0.35	940.9
0.50	940.3
0.62	940.0
1.12	939.0
2.37	937.7
4.12	935.9
9.12	935.0
16.12	933.1
25.12	932.7
36.12	931.5
49.12	930.6
64.12	929.3
81.12	929.2
100.12	929.1
121.12	927.3
144.12	926.8
180.12	926.8
300.12	925.5
520.12	923.5
700.13	922.8
900.42	922.1



Tested By DB Date 11/27/13 Checked By TM Date 12/6/13