

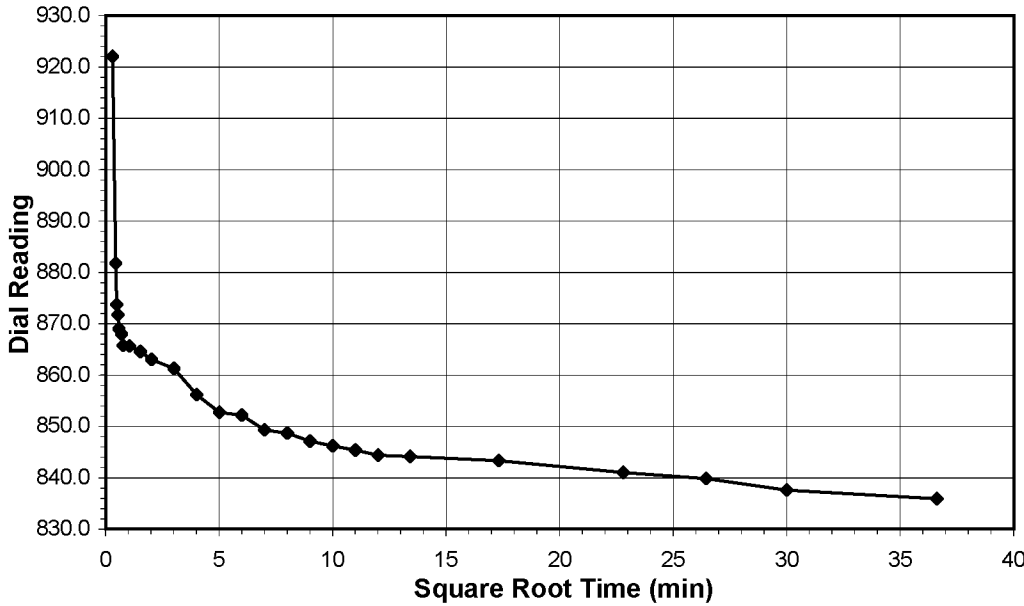
## ONE DIMENSIONAL CONSOLIDATION

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

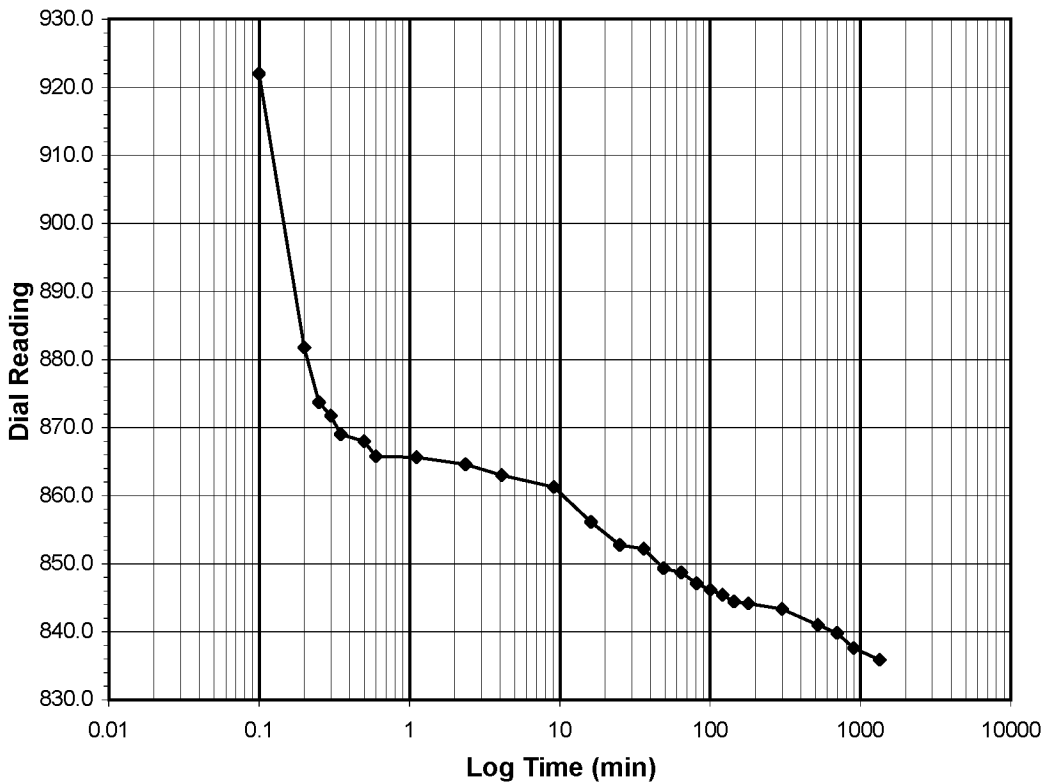
Boring No. R-6-1b  
 Depth (ft) 280.7-280.9  
 Sample No. ST-40  
 Visual Description Gray Silty Fine Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



<b>Test Load (tsf)</b>	<b>2.0-0.5</b>
<b>Final Reading (div)</b>	<b>835.9</b>
Consolidometer No.	<b>G1418</b>
1 Division (in)	0.0001
Start Date	11/28/13
Start Time	10:06:30

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>922.1</b>
0.10	922.0
0.20	881.8
0.25	873.7
0.30	871.7
0.35	869.0
0.50	868.0
0.60	865.8
1.12	865.6
2.37	864.6
4.12	863.0
9.12	861.3
16.12	856.1
25.12	852.7
36.12	852.2
49.12	849.3
64.12	848.7
81.12	847.1
100.13	846.2
121.13	845.4
144.13	844.4
180.13	844.2
300.13	843.3
520.13	841.0
700.13	839.8
900.30	837.6
1340.33	835.9



Tested By **DB** Date **11/28/13** Checked By **TM** Date **12/6/13**

**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)	280.7-280.9
Project No.	2013-465-001	Sample No.	ST-40
Lab ID	2013-465-001-032	Visual Description	Gray Silty Fine Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained

**Consolidometer No.** G1418  
**1 Division** = 0.0001 (in)

<u>Sample Properties</u>	<u>Initial</u>	<u>Final</u>	<u>Test Data Summary</u>							
<i>Water Content</i>			<b>Applied Pressure</b>	<b>Final Dial Reading</b>	<b>Machine Deflection</b>	<b>Corrected Reading</b>	<b>Height of Sample</b>	<b>Volume</b>	<b>Dry Density</b>	<b>Void Ratio</b>
Tare Number	2620	2689	(tsf)	(div)	(div)	(div)	(mm)	(cm <sup>3</sup> )	(g/cm <sup>3</sup> )	
Wt. Tare & WS (g)	117.72	151.57								
Wt. Tare & DS (g)	91.57	118.90								
Wt. Water (g)	26.15	32.67	Seating	0	0	0	25.400	80.440	1.40502	<b>0.88610</b>
Wt. Tare (g)	7.25	6.62	0.25	61.4	17.6	43.8	25.289	80.087	1.41120	<b>0.87783</b>
Wt. DS (g)	84.32	112.28	0.5	98.9	27.0	71.9	25.217	79.861	1.41520	<b>0.87253</b>
Water Content (%)	31.01	29.10	1	164.3	40.4	123.9	25.085	79.443	1.42265	<b>0.86273</b>
			2	260.3	66.6	193.7	24.908	78.882	1.43277	<b>0.84956</b>
			4	366.8	97.5	269.3	24.716	78.273	1.44391	<b>0.83530</b>
<b><u>Sample Parameters</u></b>			1	312.9	58.5	254.4	24.754	78.394	1.44169	<b>0.83812</b>
Sample Diameter (in)	2.5	2.5	0.25	266.1	28.5	237.6	24.796	78.528	1.43922	<b>0.84128</b>
Sample Height (in)	1.0000	0.9217	0.5	272.9	33.9	239.0	24.793	78.517	1.43942	<b>0.84102</b>
Sample Volume (cm <sup>3</sup> )	80.44	74.15	1	294.8	48.4	246.3	24.774	78.458	1.44050	<b>0.83964</b>
Wt. Wet Sample + Ring (g)	362.53	360.36	2	325.4	68.5	256.9	24.747	78.373	1.44207	<b>0.83764</b>
Wt. of Ring (g)	214.46	214.46	4	377.1	97.9	279.2	24.691	78.194	1.44538	<b>0.83343</b>
Wt. of Wet Sample (g)	148.07	145.90	8	519.1	129.5	389.6	24.411	77.306	1.46197	<b>0.81262</b>
Wet Density (pcf)	114.86	122.79	16	751.5	176.6	574.8	23.940	75.816	1.49071	<b>0.77767</b>
Wet Density (g/cm <sup>3</sup> )	1.84	1.97	32	1166.2	251.4	914.8	23.077	73.082	1.54648	<b>0.71356</b>
Water Content (%)	31.01	29.10	8	1016.9	142.9	874.0	23.180	73.409	1.53958	<b>0.72125</b>
Wt. of Dry Sample (g)	113.02	113.02	2	922.1	89.7	832.4	23.286	73.744	1.53260	<b>0.72909</b>
Dry Density (pcf)	87.67	95.12	0.5	835.9	53.4	782.5	23.412	74.145	1.52430	<b>0.73850</b>
Dry Density (g/cm <sup>3</sup> )	1.41	1.52								
Void Ratio	0.8861	0.7385								
Saturation (%)	92.75	104.41								
Specific Gravity	2.65	Measured								
			<b>Tested By</b>	DB	<b>Date</b>	11/18/13	<b>Input Checked By</b>	TM	<b>Date</b>	12/6/13

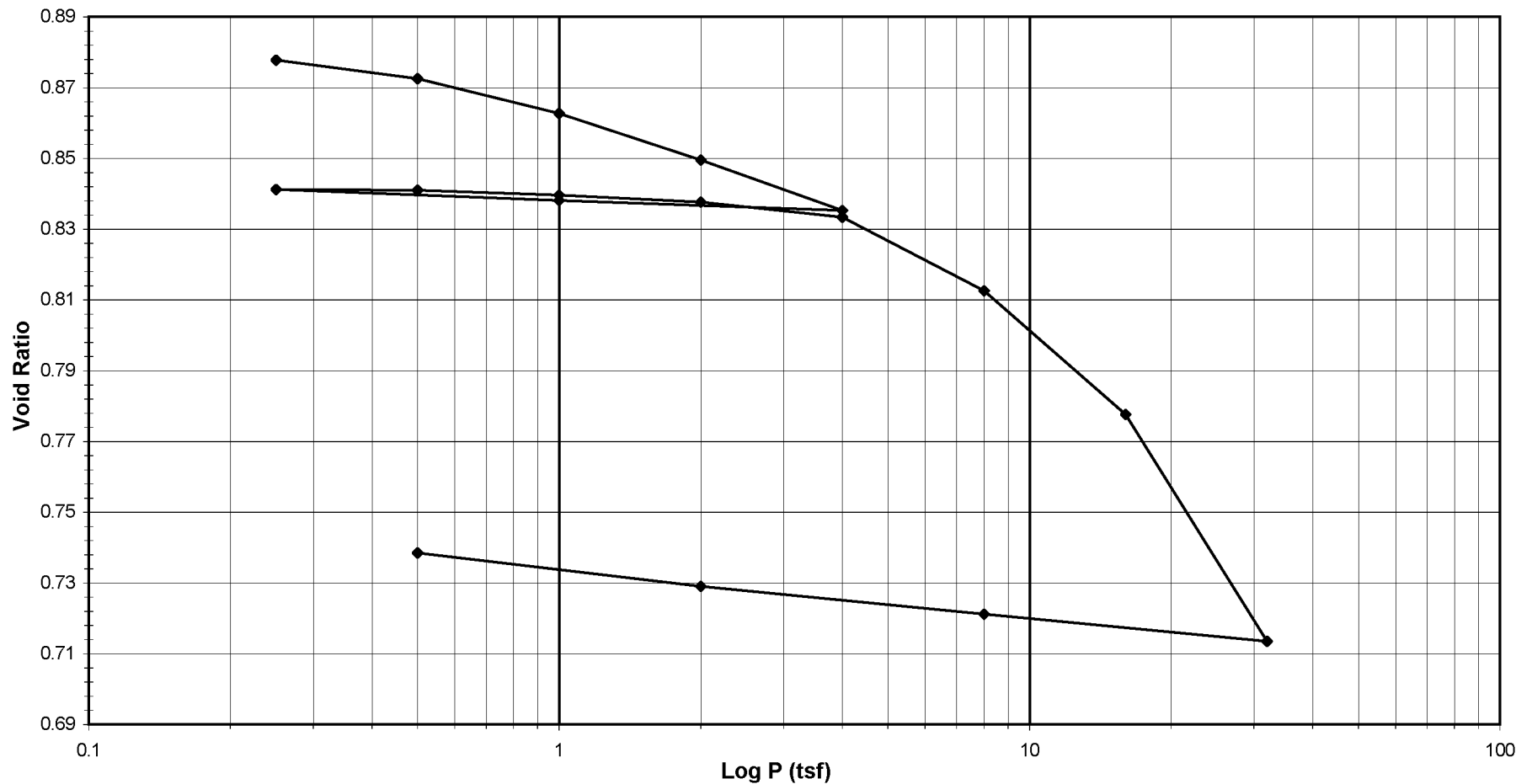
# ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

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

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



Tested By DB Date 11/18/13 Approved By RJO Date 12/6/13

**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)	280.7-280.9
Project No.	2013-465-001	Sample No.	ST-40
Lab ID	2013-465-001-032	Visual Description	Gray Silty Fine Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained**Consolidometer No.** G1418**1 Division** = 0.0001 (in)**C<sub>v</sub> Test Data Summary**

<b><u>Sample Properties</u></b>	<b><u>Initial</u></b>	<b><u>Final</u></b>	<b><u>Load</u></b>	<b><u>Dial</u></b>	<b><u>Machine</u></b>	<b><u>Corrected</u></b>	<b><u>Sample</u></b>	<b><u>Time</u></b>	<b><u>C<sub>v</sub></u></b>
			<b><u>Increment</u></b>	<b><u>Reading</u></b>	<b><u>Deflection</u></b>	<b><u>Dial Reading</u></b>	<b><u>Height</u></b>	<b><u>t<sub>50</sub></u></b>	
			(tsf)	@ t <sub>50</sub> (div)	(div)	@ t <sub>50</sub> (div)	@ t <sub>50</sub> (mm)	(min)	(cm <sup>2</sup> /sec)
<i>Water Content</i>									
Tare Number	2620	2689							
Wt. Tare & WS (g)	117.72	151.57							
Wt. Tare & DS (g)	91.57	118.9							
Wt. Water (g)	26.15	32.67	Seating	NA	NA	NA	NA	NA	NA
Wt. Tare (g)	7.25	6.62	0.25	42.7	17.6	25.0	25.34	0.10	0.05333
Wt. DS (g)	84.32	112.28	0.5	85.8	27.0	58.8	25.25	0.32	0.01650
Water Content (%)	31.01	29.10	1	149.6	40.4	109.2	25.12	0.33	0.01581
			2	219.3	66.6	152.7	25.01	0.13	0.03860
			4	327.6	97.5	230.1	24.82	0.23	0.02175
<b><u>Sample Parameters</u></b>			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	0.9217	0.5	270.4	33.9	236.4	24.80	0.14	0.03537
Sample Volume (cm <sup>3</sup> )	80.44	74.15	1	292.6	48.4	244.2	24.78	0.18	0.02748
Wt. Wet Sample + Ring (g)	362.53	360.36	2	322.3	68.5	253.7	24.76	0.15	0.03412
Wt. of Ring (g)	214.46	214.46	4	366.8	97.9	268.9	24.72	0.40	0.01249
Wt. of Wet Sample (g)	148.07	145.90	8	464.0	129.5	334.5	24.55	0.13	0.03740
Wet Density (pcf)	114.86	122.79	16	667.9	176.6	491.2	24.15	0.22	0.02149
Wet Density (g/cm <sup>3</sup> )	1.84	1.97	32	1010.1	251.4	758.7	23.47	0.20	0.02326
Water Content (%)	31.01	29.10	8	NA	NA	NA	NA	NA	NA
Wt. of Dry Sample (g)	113.02	113.02	2	NA	NA	NA	NA	NA	NA
Dry Density (pcf)	87.67	95.12	0.5	NA	NA	NA	NA	NA	NA
Dry Density (g/cm <sup>3</sup> )	1.41	1.52							
Void Ratio	0.8861	0.7385							
Saturation (%)	92.75	104.41							
Specific Gravity	2.65	Measured							

<b>Tested By</b>	DB	<b>Date</b>	11/18/13	<b>Input Checked By</b>	TM	<b>Date</b>	12/6/13
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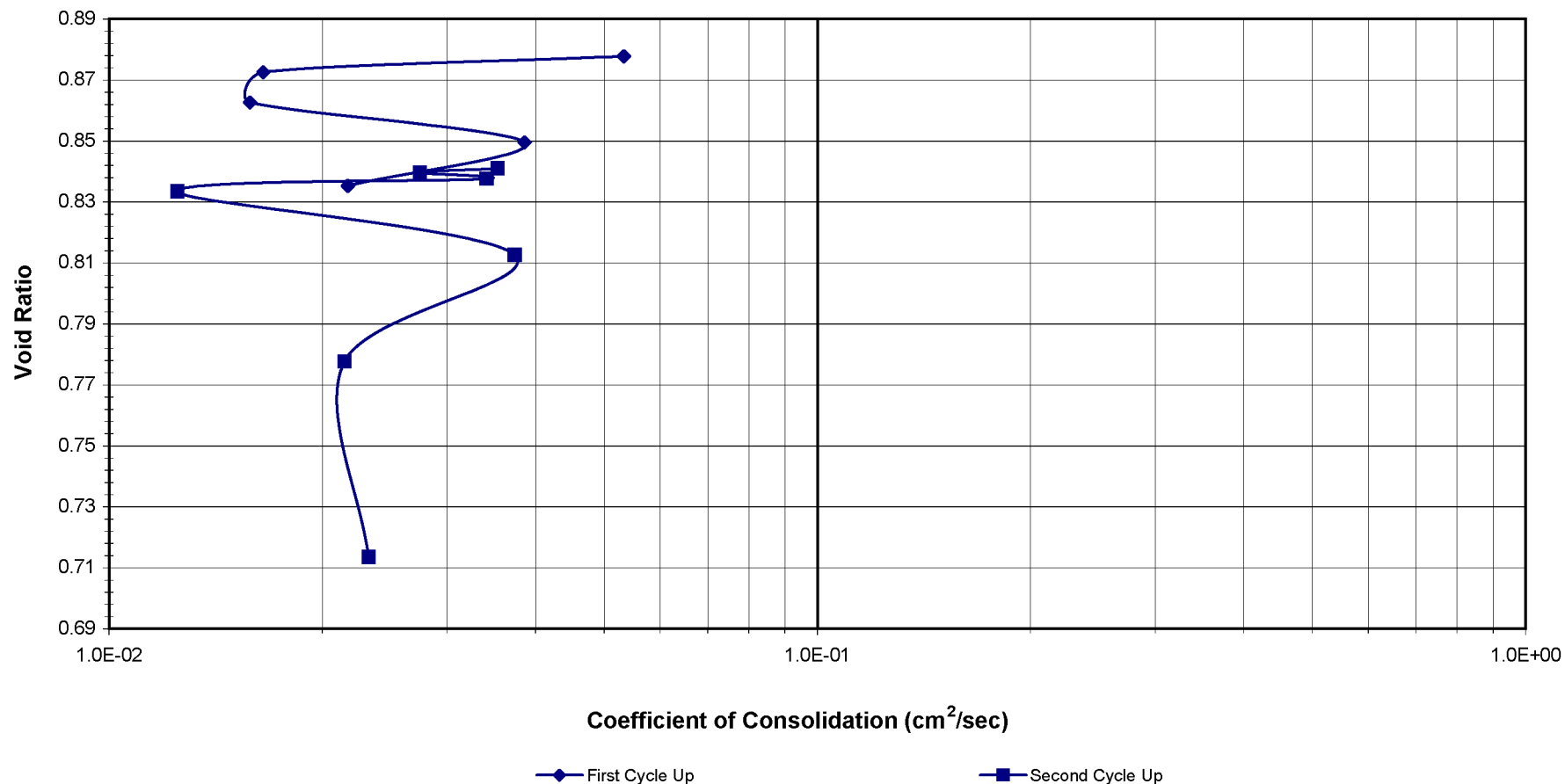
# ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

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

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



Tested By DB Date 11/18/13

Approved By RJO Date 12/6/13

**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)	280.7-280.9
Project No.	2013-465-001	Sample No.	ST-40
Lab ID #	2013-465-001-032		

Equipment	Equipment ID#	Calibration Due Date
Calipers	G1122	12/3/13
Balance	G1394	5/15/14
Oven	G1387	8/16/14
Consolidometer	G1418	1/9/14
Load Cell	G1419	1/9/14
LVDT	G1420	1/9/14

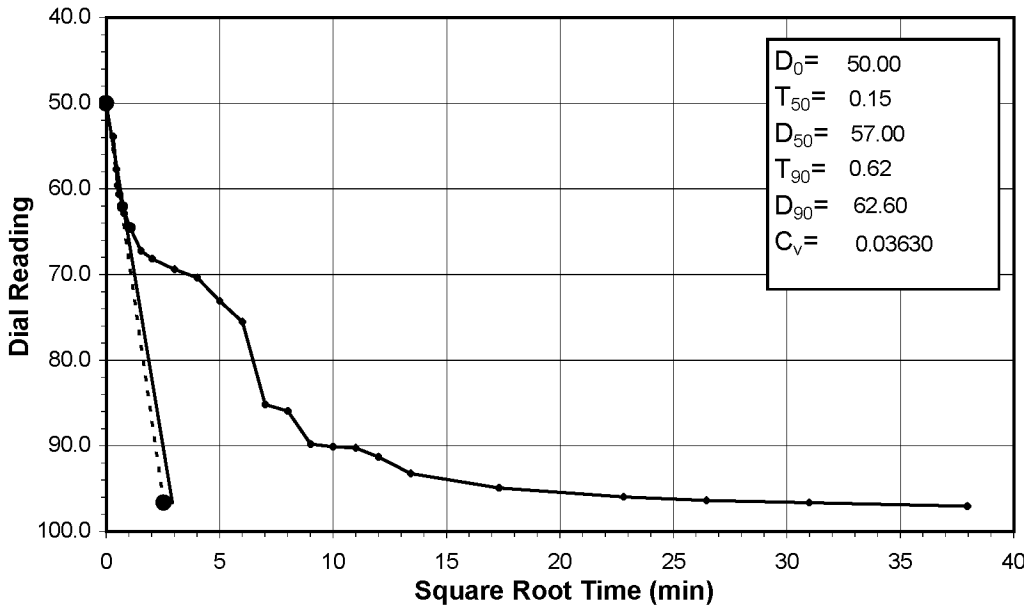
## ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-037

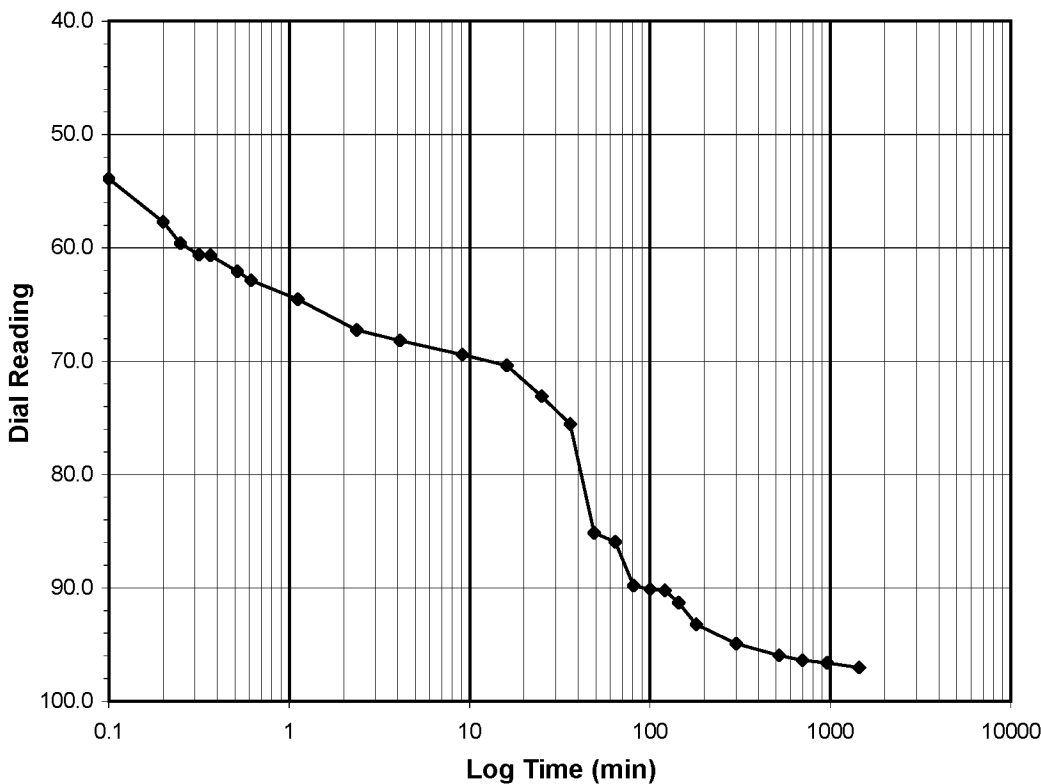
Boring No. R-6-1b  
 Depth (ft) 356.6-356.9  
 Sample No. ST-66  
 Visual Description Gray Silty Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



<b>Test Load (tsf)</b>	<b>0.0-0.25</b>
<b>Final Reading (div)</b>	<b>97.0</b>
<b>Consolidometer No.</b>	<b>G1418</b>
<b>1 Division (in)</b>	<b>0.0001</b>
<b>Start Date</b>	<b>10/24/13</b>
<b>Start Time</b>	<b>15:21:04</b>

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>0.0</b>
0.10	53.9
0.20	57.7
0.25	59.6
0.32	60.6
0.37	60.7
0.52	62.1
0.62	62.9
1.12	64.5
2.37	67.3
4.12	68.2
9.12	69.4
16.12	70.4
25.12	73.1
36.12	75.5
49.12	85.2
64.12	85.9
81.12	89.8
100.12	90.1
121.13	90.2
144.13	91.3
180.13	93.2
300.13	94.9
520.13	96.0
700.13	96.4
960.13	96.6
1440.17	97.0



Tested By **DB** Date **10/24/13** Checked By **TM** Date **12/5/13**

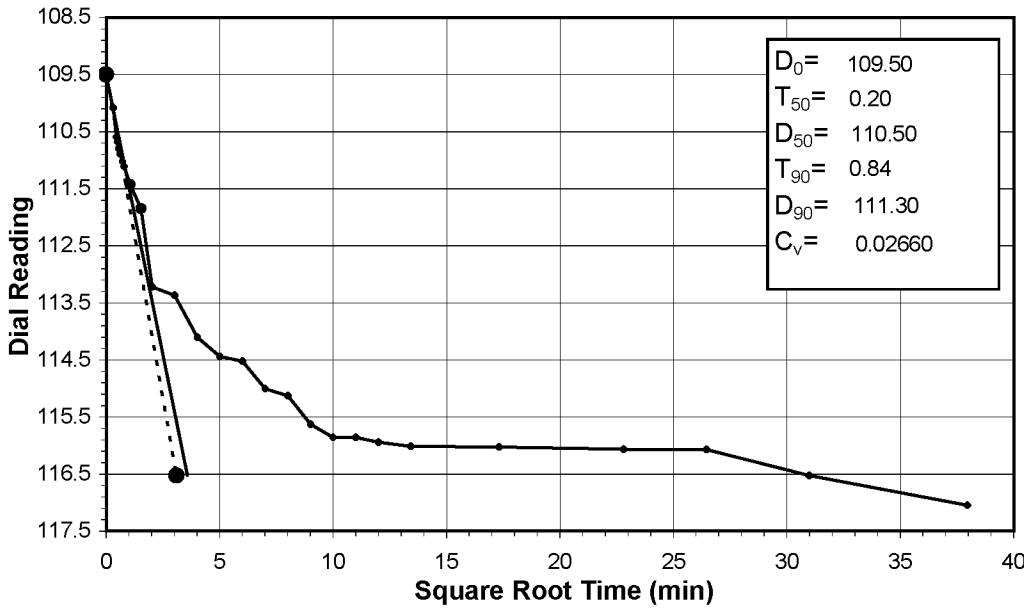
## ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-037

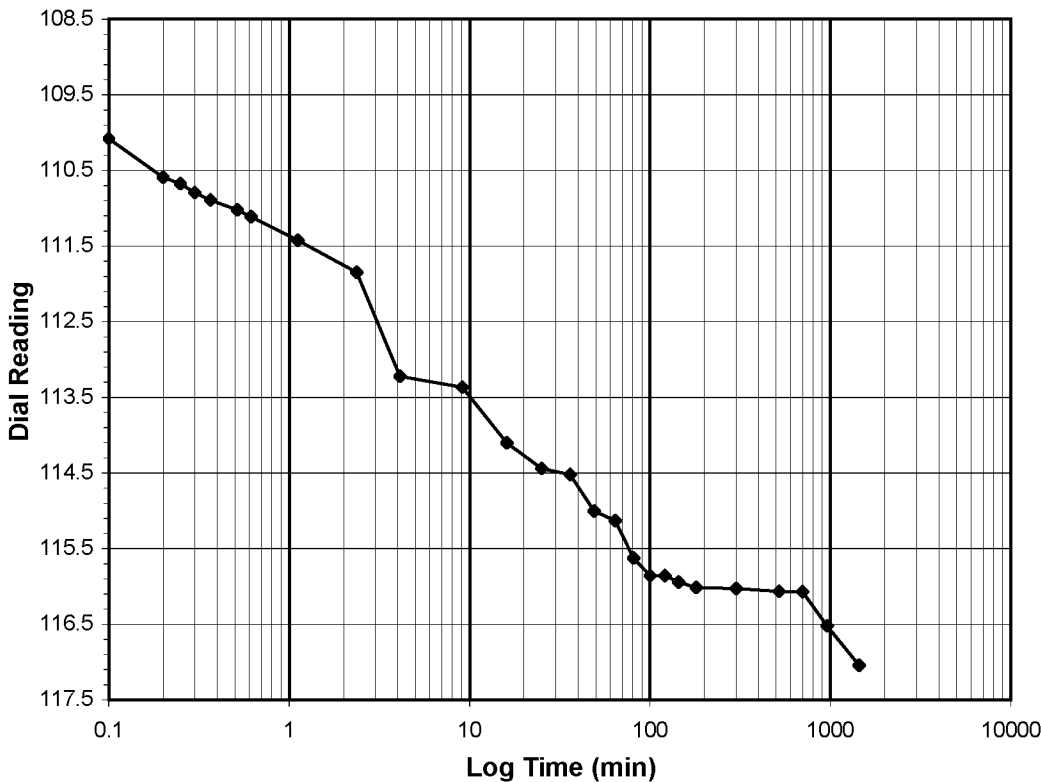
Boring No. R-6-1b  
 Depth (ft) 356.6-356.9  
 Sample No. ST-66  
 Visual Description Gray Silty Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



<b>Test Load (tsf)</b>	<b>0.25-0.5</b>
<b>Final Reading (div)</b>	<b>117.0</b>
<b>Consolidometer No.</b>	<b>G1418</b>
<b>1 Division (in)</b>	<b>0.0001</b>
<b>Start Date</b>	<b>10/25/13</b>
<b>Start Time</b>	<b>15:21:14</b>

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>97.0</b>
0.10	110.1
0.20	110.6
0.25	110.7
0.30	110.8
0.37	110.9
0.52	111.0
0.62	111.1
1.12	111.4
2.37	111.8
4.12	113.2
9.12	113.4
16.12	114.1
25.12	114.4
36.12	114.5
49.12	115.0
64.12	115.1
81.12	115.6
100.13	115.9
121.13	115.9
144.13	115.9
180.13	116.0
300.13	116.0
520.13	116.1
700.13	116.1
960.13	116.5
1440.27	117.0



Tested By **DB** Date **10/25/13** Checked By **TM** Date **12/5/13**

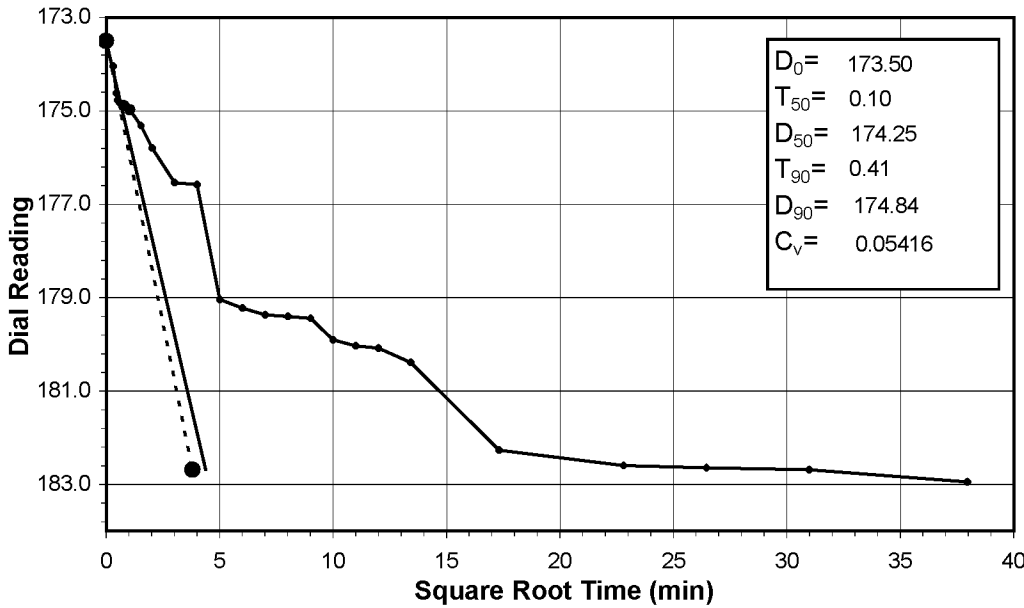
## ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-037

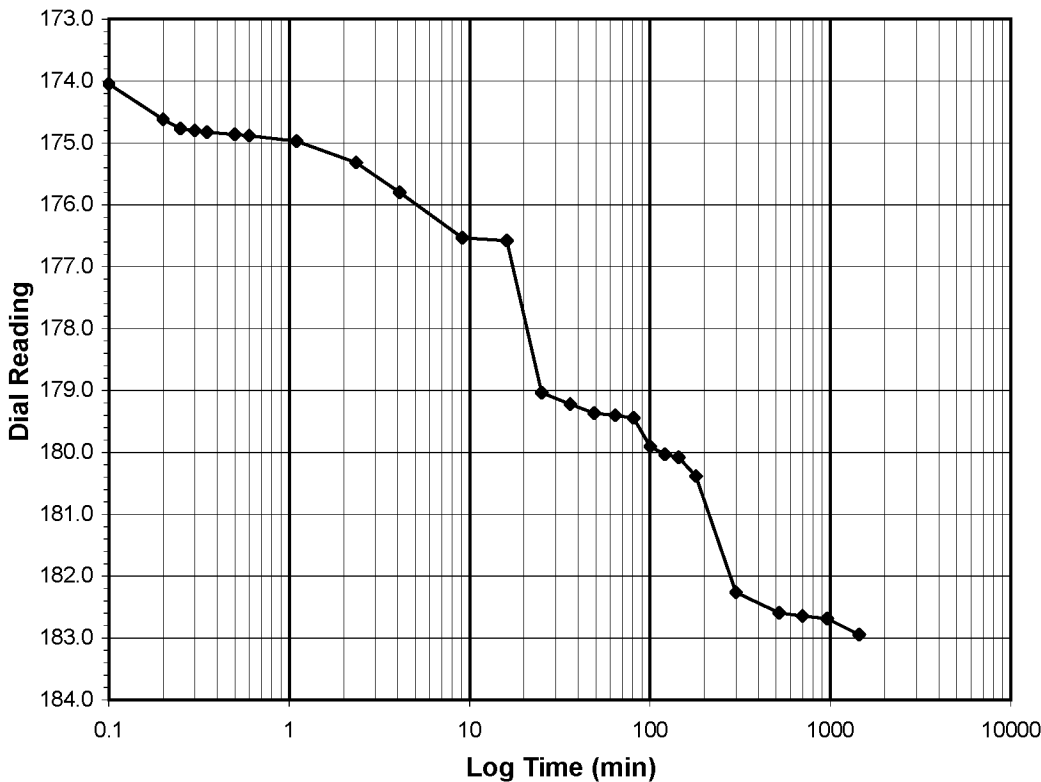
Boring No. R-6-1b  
 Depth (ft) 356.6-356.9  
 Sample No. ST-66  
 Visual Description Gray Silty Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



<b>Test Load (tsf)</b>	<b>0.5-1.0</b>
<b>Final Reading (div)</b>	<b>182.9</b>
Consolidometer No.	<b>G1418</b>
1 Division (in)	0.0001
Start Date	10/26/13
Start Time	15:21:31

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>117.0</b>
0.10	174.0
0.20	174.6
0.25	174.8
0.30	174.8
0.35	174.8
0.50	174.9
0.60	174.9
1.10	175.0
2.35	175.3
4.10	175.8
9.10	176.5
16.10	176.6
25.10	179.0
36.12	179.2
49.12	179.4
64.12	179.4
81.12	179.4
100.12	179.9
121.12	180.0
144.12	180.1
180.12	180.4
300.12	182.3
520.12	182.6
700.12	182.6
960.12	182.7
1440.27	182.9



Tested By **DB** Date **10/26/13** Checked By **TM** Date **12/5/13**

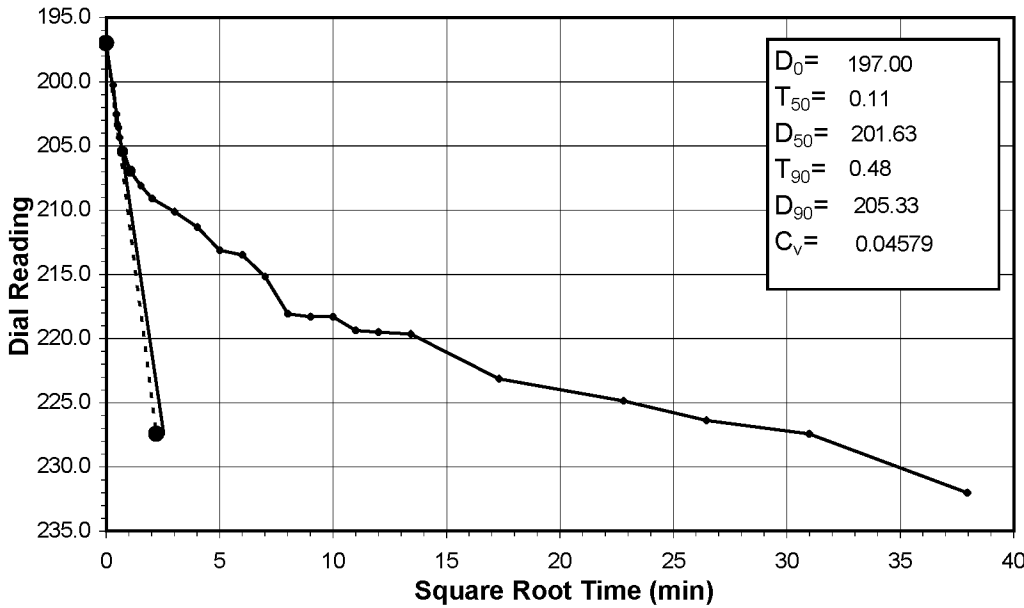
## ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-037

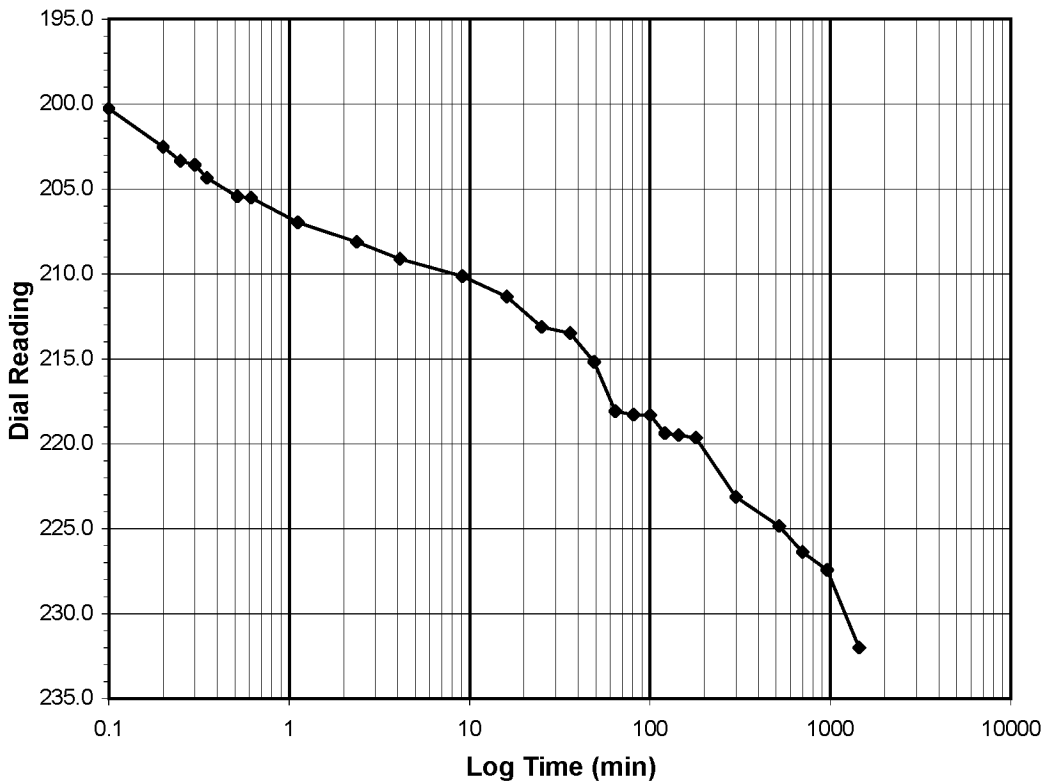
Boring No. R-6-1b  
 Depth (ft) 356.6-356.9  
 Sample No. ST-66  
 Visual Description Gray Silty Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



<b>Test Load (tsf)</b>	<b>1.0-2.0</b>
<b>Final Reading (div)</b>	<b>232.0</b>
<b>Consolidometer No.</b>	<b>G1418</b>
<b>1 Division (in)</b>	<b>0.0001</b>
<b>Start Date</b>	<b>10/27/13</b>
<b>Start Time</b>	<b>15:21:47</b>

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>182.9</b>
0.10	200.3
0.20	202.5
0.25	203.3
0.30	203.6
0.35	204.3
0.52	205.4
0.62	205.5
1.12	207.0
2.37	208.1
4.12	209.1
9.12	210.1
16.12	211.3
25.12	213.1
36.12	213.5
49.12	215.2
64.12	218.1
81.12	218.3
100.12	218.3
121.12	219.4
144.12	219.5
180.12	219.7
300.12	223.1
520.12	224.8
700.12	226.4
960.13	227.4
1440.42	232.0



Tested By **DB** Date **10/27/13** Checked By **TM** Date **12/5/13**

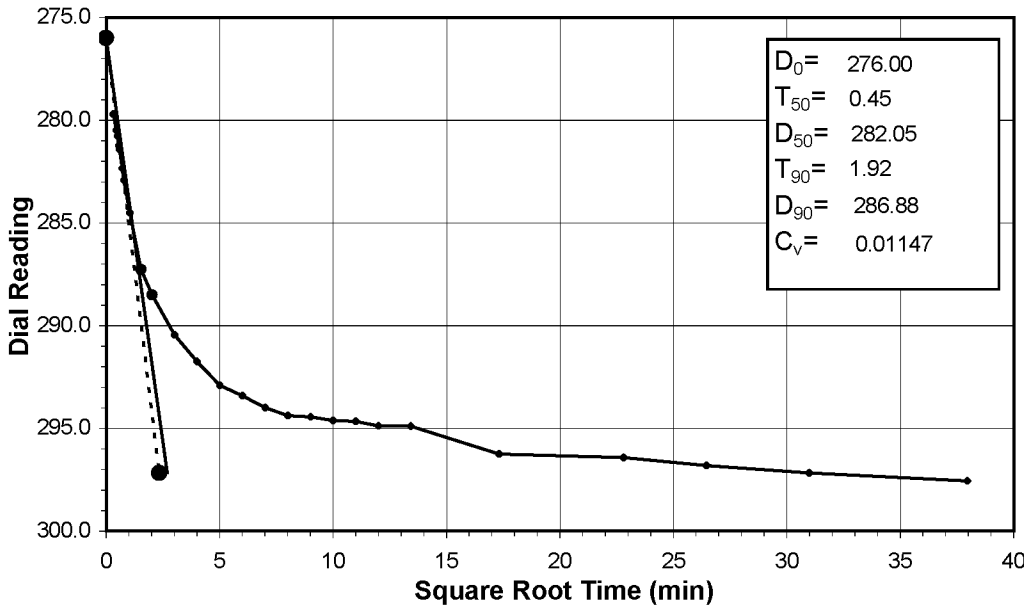
## ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-037

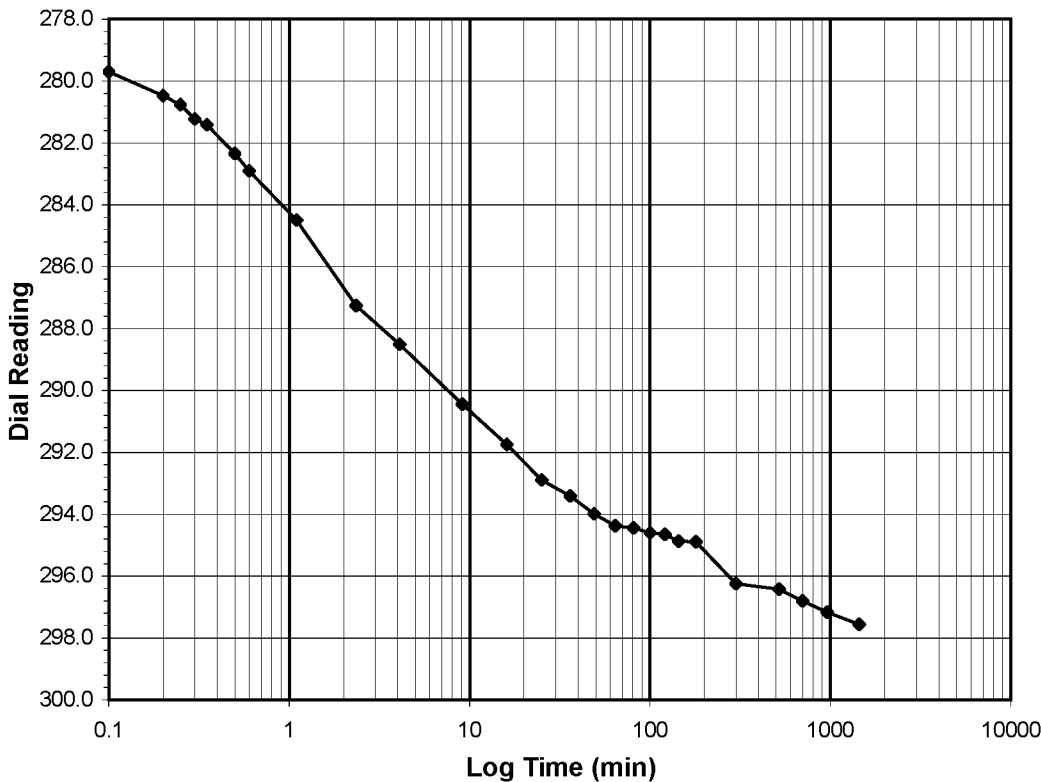
Boring No. R-6-1b  
 Depth (ft) 356.6-356.9  
 Sample No. ST-66  
 Visual Description Gray Silty Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



<b>Test Load (tsf)</b>	<b>2.0-4.0</b>
<b>Final Reading (div)</b>	<b>297.6</b>
Consolidometer No.	<b>G1418</b>
1 Division (in)	0.0001
<b>Start Date</b>	<b>10/28/13</b>
<b>Start Time</b>	<b>15:22:12</b>

Elapsed Time (min)	Dial Reading (div)
<i><b>Initial</b></i>	<b>232.0</b>
0.10	279.7
0.20	280.5
0.25	280.8
0.30	281.2
0.35	281.4
0.50	282.3
0.60	282.9
1.10	284.5
2.35	287.3
4.10	288.5
9.10	290.4
16.10	291.7
25.12	292.9
36.12	293.4
49.12	294.0
64.12	294.4
81.12	294.4
100.12	294.6
121.12	294.7
144.12	294.9
180.12	294.9
300.12	296.2
520.12	296.4
700.12	296.8
960.12	297.2
1440.28	297.6



Tested By **DB** Date **10/28/13** Checked By **TM** Date **12/5/13**

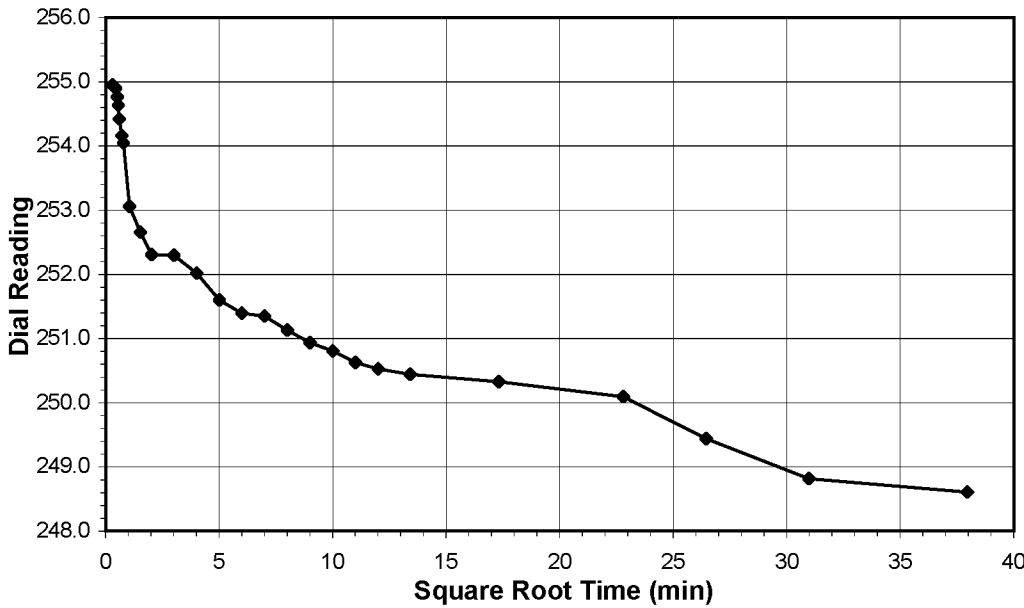
## ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-037

Boring No. R-6-1b  
 Depth (ft) 356.6-356.9  
 Sample No. ST-66  
 Visual Description Gray Silty Sand

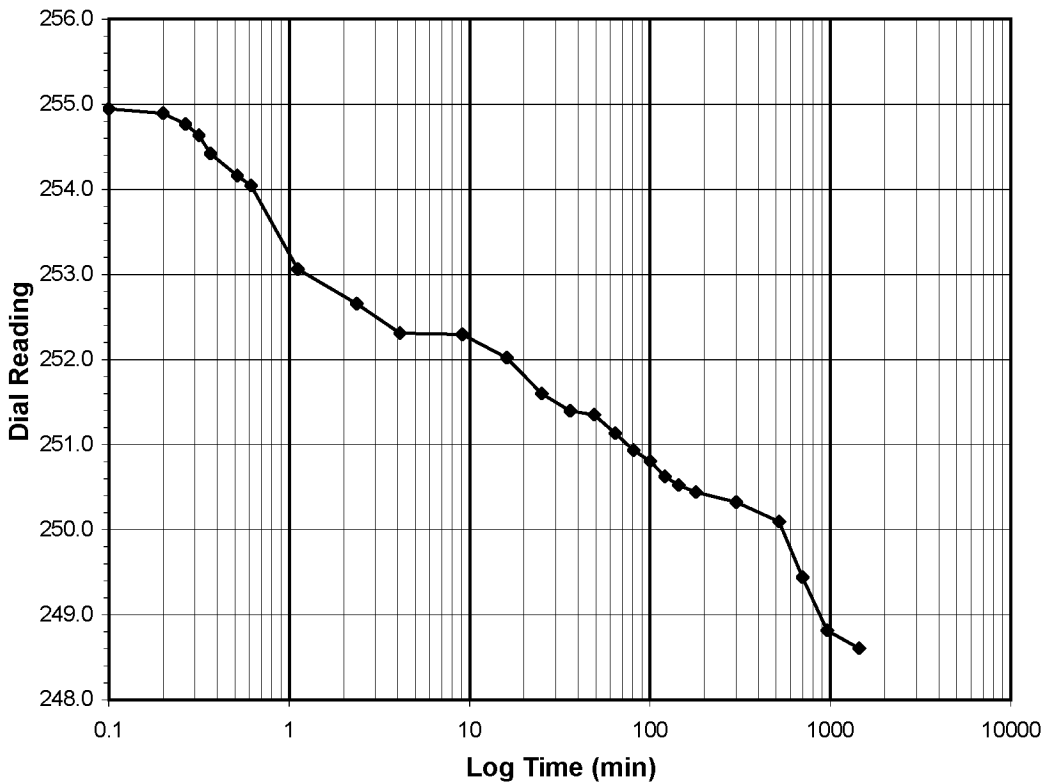
**Sample Conditions:** Undisturbed, Inundated And Double Drained



**Test Load (tsf)** 4.0-1.0  
**Final Reading (div)** 248.6  
 Consolidometer No. G1418  
 1 Division (in) 0.0001

**Start Date** 10/29/13  
**Start Time** 15:22:29

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>297.6</b>
0.10	254.9
0.20	254.9
0.27	254.8
0.32	254.6
0.37	254.4
0.52	254.2
0.62	254.0
1.12	253.1
2.37	252.7
4.12	252.3
9.12	252.3
16.12	252.0
25.12	251.6
36.12	251.4
49.12	251.3
64.12	251.1
81.12	250.9
100.12	250.8
121.12	250.6
144.12	250.5
180.12	250.4
300.13	250.3
520.13	250.1
700.13	249.4
960.13	248.8
1440.33	248.6



Tested By DB Date 10/29/13 Checked By TM Date 12/5/13



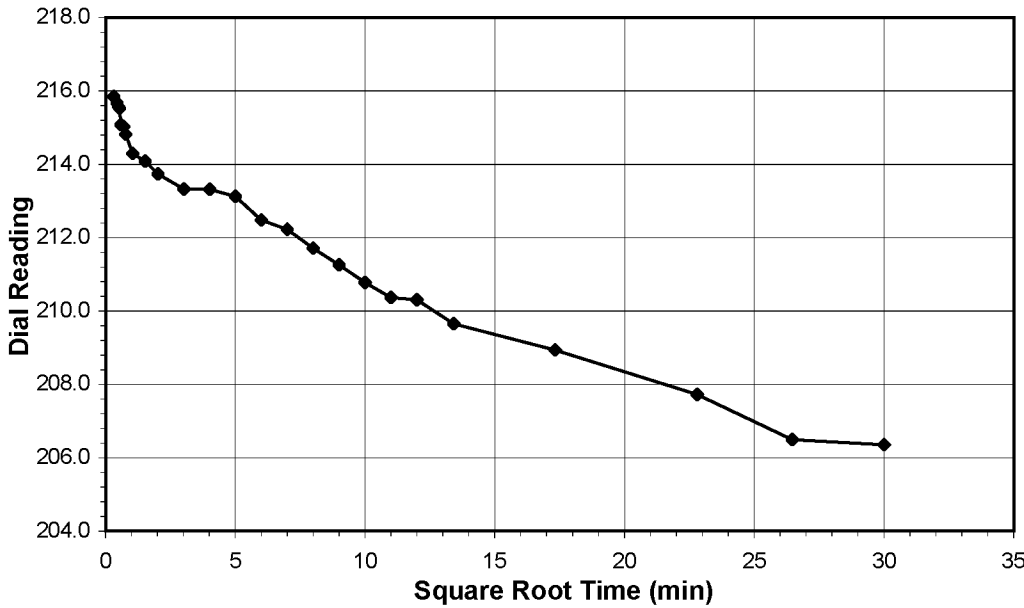
## ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-037

Boring No. R-6-1b  
 Depth (ft) 356.6-356.9  
 Sample No. ST-66  
 Visual Description Gray Silty Sand

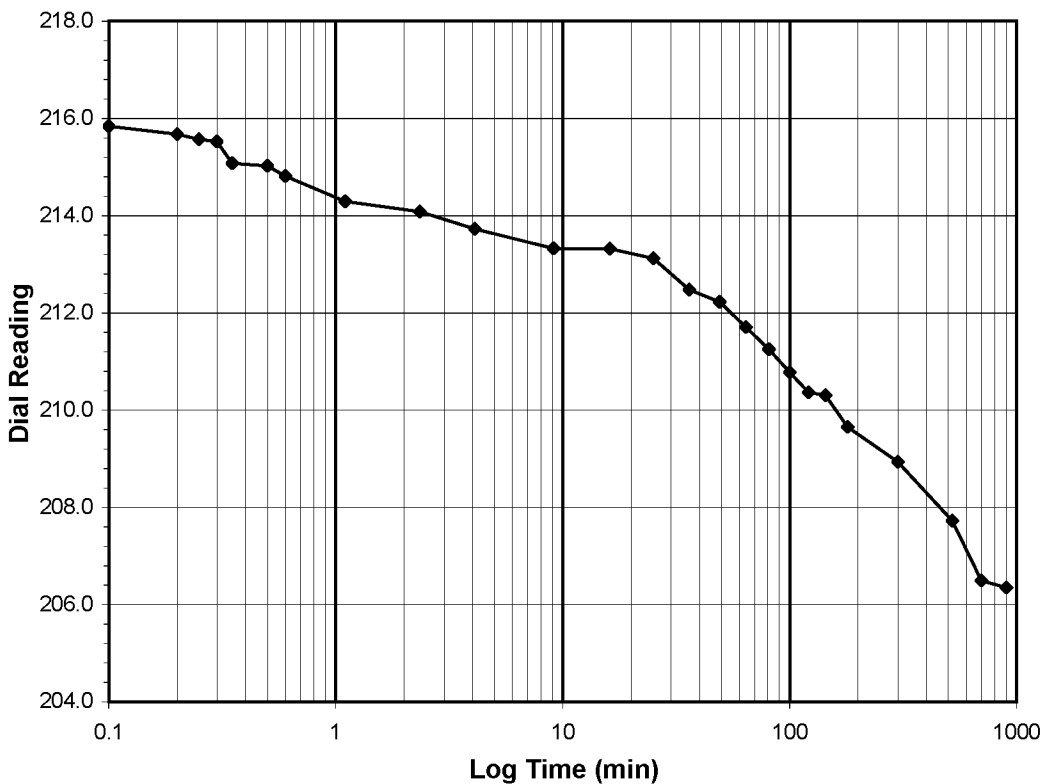
**Sample Conditions:** Undisturbed, Inundated And Double Drained



**Test Load (tsf)** 1.0-0.25  
**Final Reading (div)** 206.4  
 Consolidometer No. **G1418**  
 1 Division (in) 0.0001

Start Date 10/30/13  
 Start Time 15:22:49

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>248.6</b>
0.10	215.8
0.20	215.7
0.25	215.6
0.30	215.5
0.35	215.1
0.50	215.0
0.60	214.8
1.10	214.3
2.35	214.1
4.10	213.7
9.12	213.3
16.12	213.3
25.12	213.1
36.12	212.5
49.12	212.2
64.12	211.7
81.12	211.3
100.12	210.8
121.12	210.4
144.12	210.3
180.12	209.7
300.12	208.9
520.12	207.7
700.12	206.5
900.20	206.4



Tested By **DB** Date **10/30/13** Checked By **TM** Date **12/5/13**

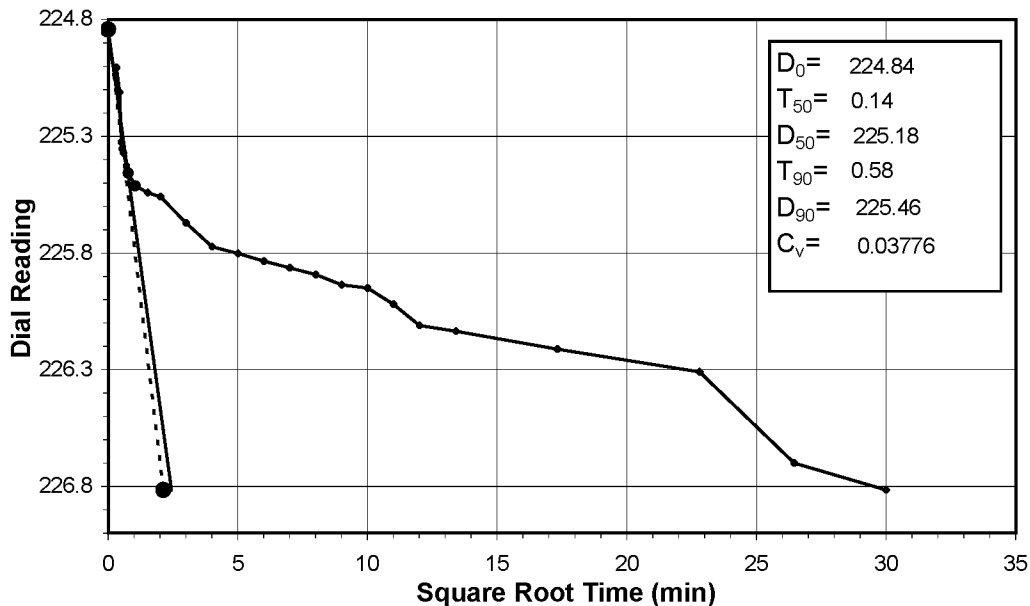
## ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-037

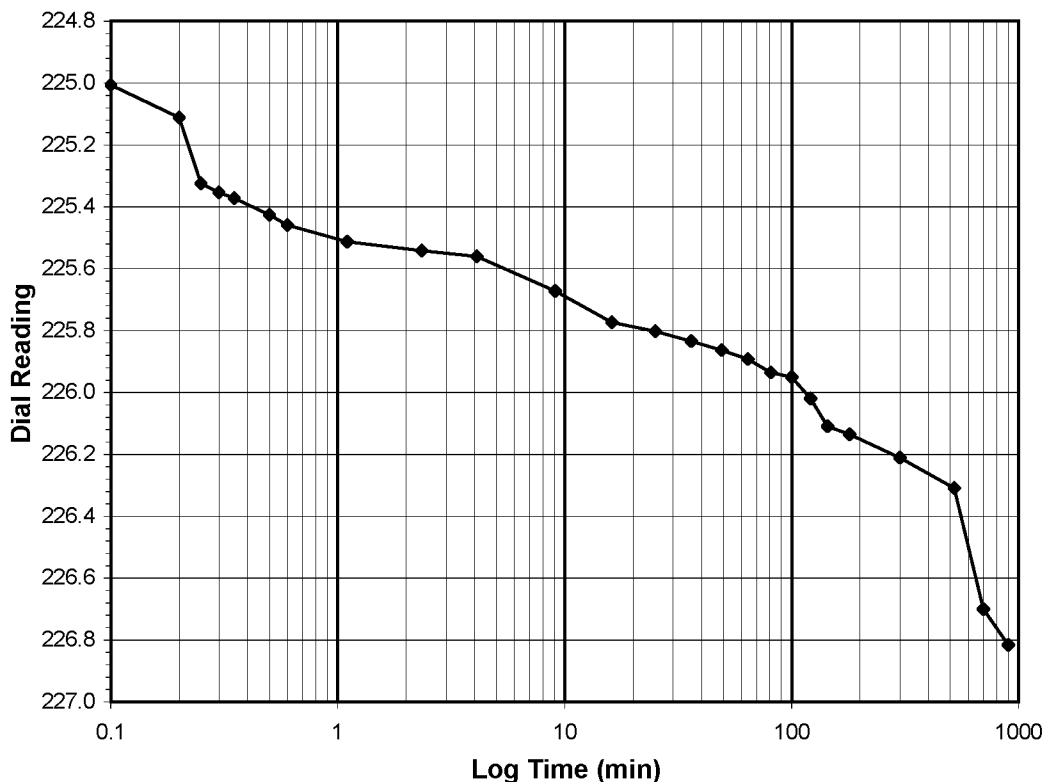
Boring No. R-6-1b  
 Depth (ft) 356.6-356.9  
 Sample No. ST-66  
 Visual Description Gray Silty Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



<b>Test Load (tsf)</b>	<b>0.25-0.5</b>
<b>Final Reading (div)</b>	<b>226.8</b>
Consolidometer No.	<b>G1418</b>
1 Division (in)	0.0001
<hr/>	
Start Date	10/31/13
Start Time	6:23:01

Elapsed Time (min)	Dial Reading (div)
<hr/>	
<b>Initial</b>	<b>206.4</b>
0.10	225.0
0.20	225.1
0.25	225.3
0.30	225.4
0.35	225.4
0.50	225.4
0.60	225.5
1.10	225.5
2.35	225.5
4.10	225.6
9.10	225.7
16.12	225.8
25.12	225.8
36.12	225.8
49.12	225.9
64.12	225.9
81.12	225.9
100.12	226.0
121.12	226.0
144.12	226.1
180.12	226.1
300.12	226.2
520.12	226.3
700.12	226.7
900.22	226.8



Tested By **DB** Date **10/31/13** Checked By **TM** Date **12/5/13**

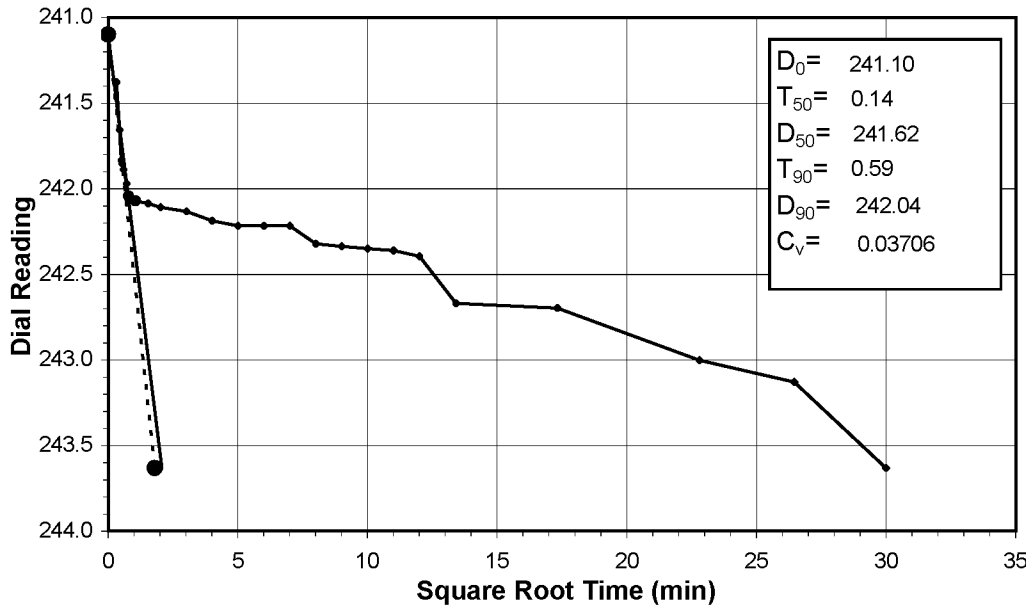
## ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-037

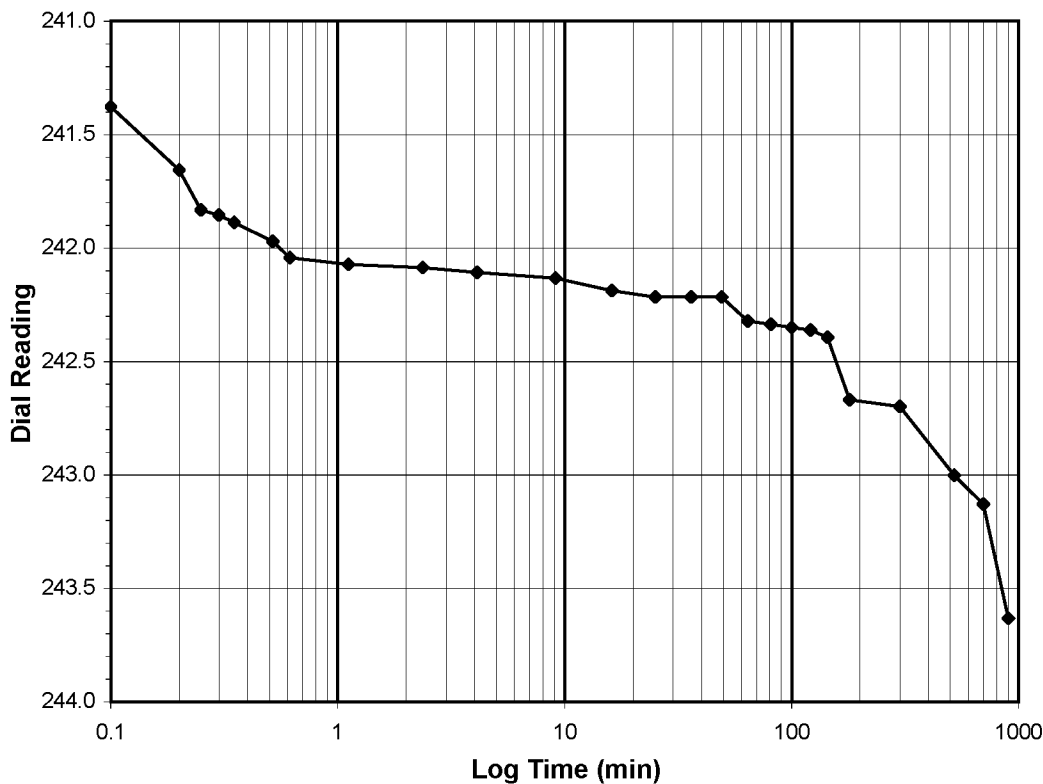
Boring No. R-6-1b  
 Depth (ft) 356.6-356.9  
 Sample No. ST-66  
 Visual Description Gray Silty Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



<b>Test Load (tsf)</b>	<b>0.5-1.0</b>
<b>Final Reading (div)</b>	<b>243.6</b>
<b>Consolidometer No.</b>	<b>G1418</b>
<b>1 Division (in)</b>	<b>0.0001</b>
<b>Start Date</b>	<b>10/31/13</b>
<b>Start Time</b>	<b>21:23:14</b>

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>226.8</b>
0.10	241.4
0.20	241.7
0.25	241.8
0.30	241.9
0.35	241.9
0.52	242.0
0.62	242.0
1.12	242.1
2.37	242.1
4.12	242.1
9.12	242.1
16.12	242.2
25.12	242.2
36.12	242.2
49.12	242.2
64.12	242.3
81.12	242.3
100.12	242.4
121.12	242.4
144.12	242.4
180.12	242.7
300.12	242.7
520.12	243.0
700.12	243.1
900.37	243.6



Tested By **DB** Date **10/31/13** Checked By **TM** Date **12/5/13**

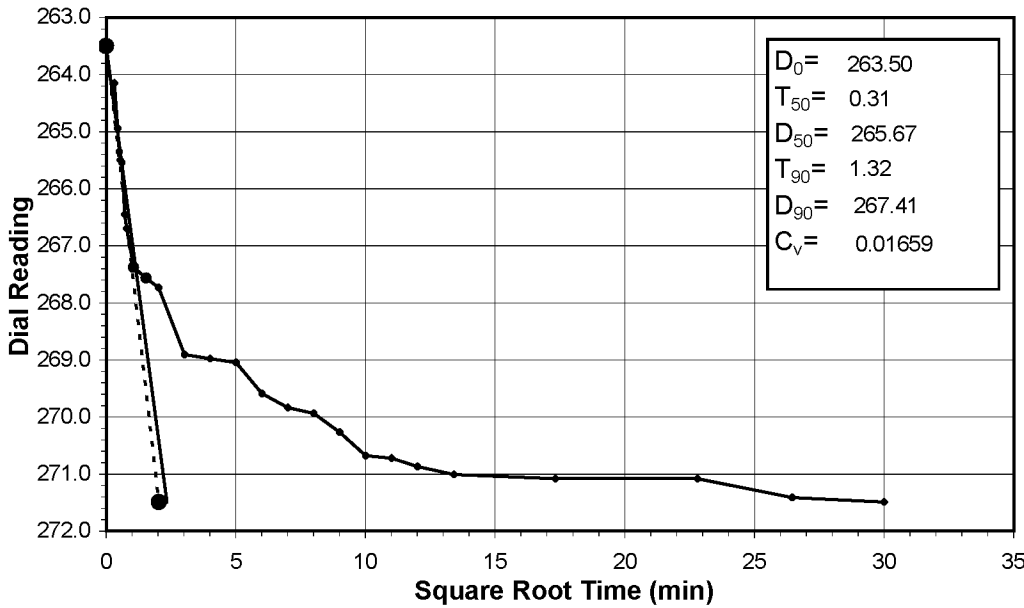
## ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-037

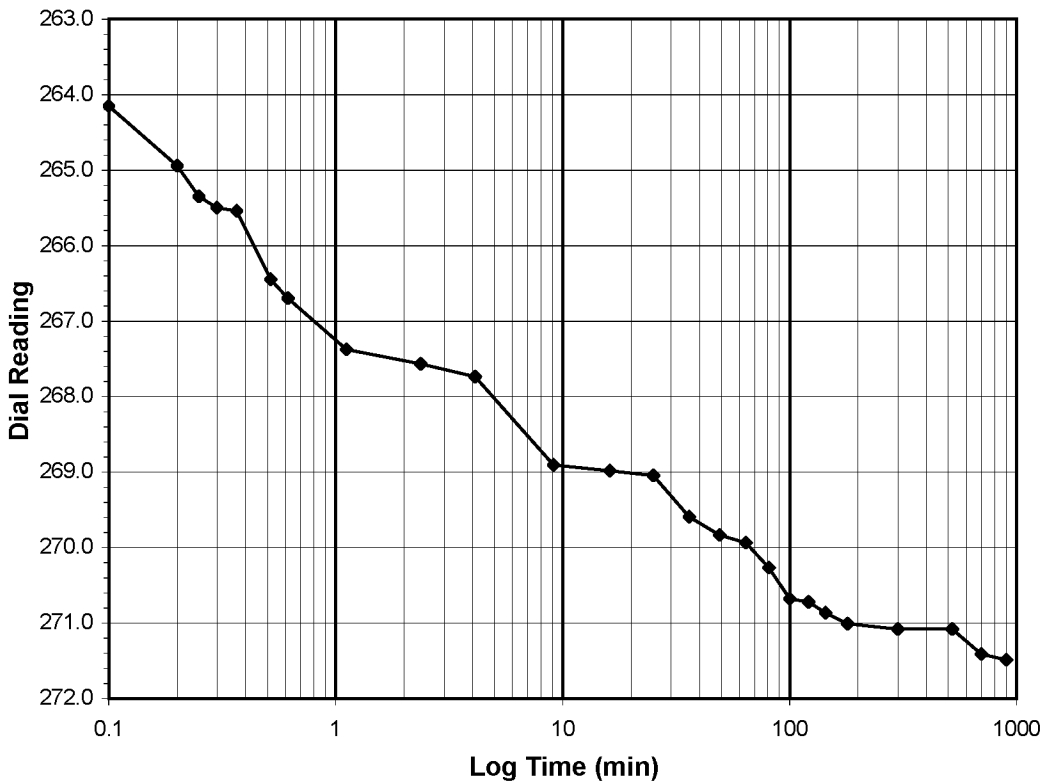
Boring No. R-6-1b  
 Depth (ft) 356.6-356.9  
 Sample No. ST-66  
 Visual Description Gray Silty Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



<b>Test Load (tsf)</b>	<b>1.0-2.0</b>
<b>Final Reading (div)</b>	<b>271.5</b>
<b>Consolidometer No.</b>	<b>G1418</b>
<b>1 Division (in)</b>	<b>0.0001</b>
<b>Start Date</b>	11/1/13
<b>Start Time</b>	12:23:36

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>243.6</b>
0.10	264.1
0.20	264.9
0.25	265.4
0.30	265.5
0.37	265.5
0.52	266.4
0.62	266.7
1.12	267.4
2.37	267.6
4.12	267.7
9.12	268.9
16.12	269.0
25.12	269.0
36.12	269.6
49.12	269.8
64.12	269.9
81.12	270.3
100.12	270.7
121.12	270.7
144.12	270.9
180.12	271.0
300.13	271.1
520.13	271.1
700.13	271.4
900.35	271.5



Tested By **DB**    Date **11/1/13**    Checked By **TM**    Date **12/5/13**

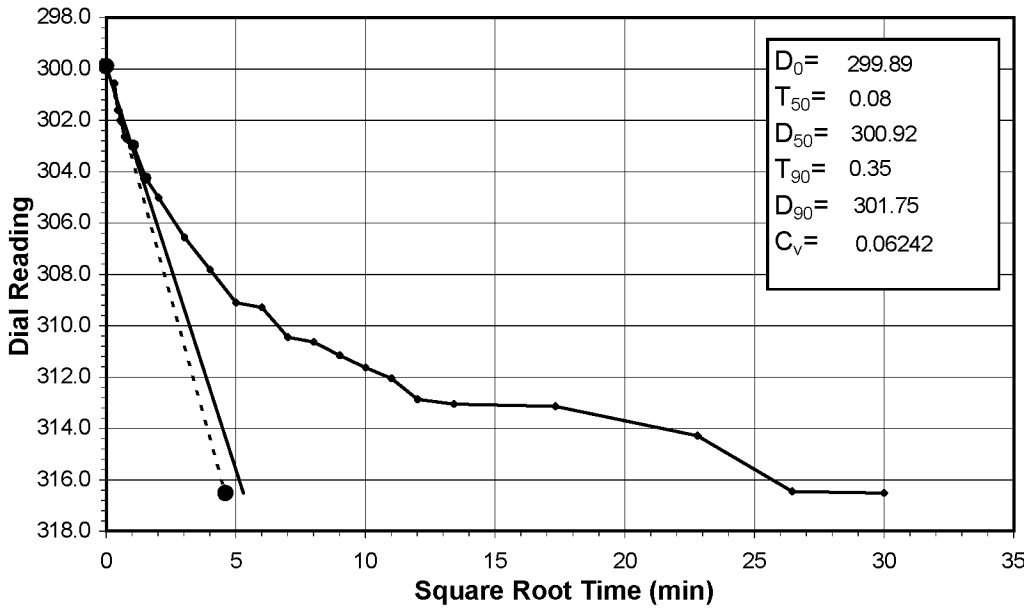
## ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-037

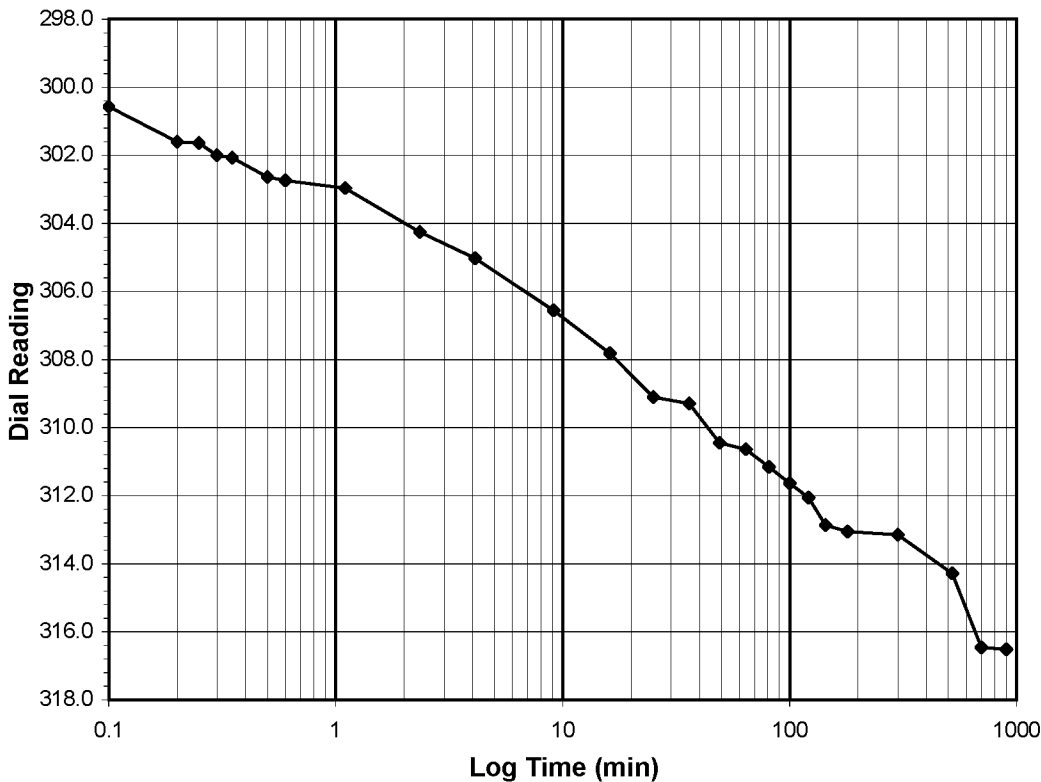
Boring No. R-6-1b  
 Depth (ft) 356.6-356.9  
 Sample No. ST-66  
 Visual Description Gray Silty Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



<b>Test Load (tsf)</b>	<b>2.0-4.0</b>
<b>Final Reading (div)</b>	<b>316.5</b>
Consolidometer No.	<b>G1418</b>
1 Division (in)	0.0001
Start Date	11/2/13
Start Time	3:23:57

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>271.5</b>
0.10	300.6
0.20	301.6
0.25	301.6
0.30	302.0
0.35	302.1
0.50	302.6
0.60	302.7
1.10	303.0
2.35	304.3
4.12	305.0
9.12	306.6
16.12	307.8
25.12	309.1
36.12	309.3
49.12	310.4
64.12	310.6
81.12	311.2
100.12	311.6
121.12	312.1
144.12	312.9
180.12	313.1
300.12	313.1
520.12	314.3
700.12	316.5
900.33	316.5



Tested By **DB** Date **11/2/13** Checked By **TM** Date **12/5/13**

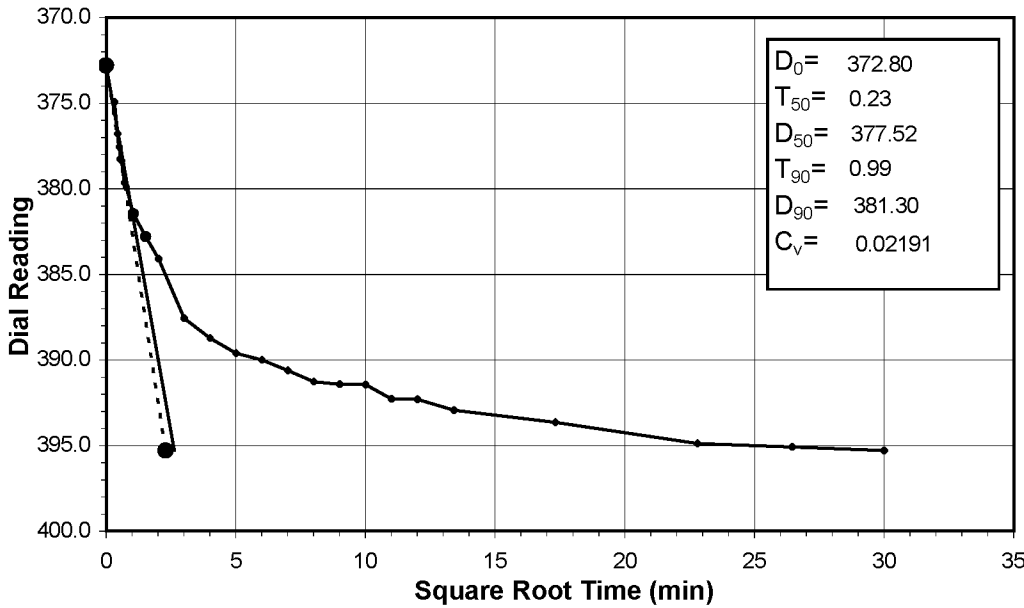
## ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-037

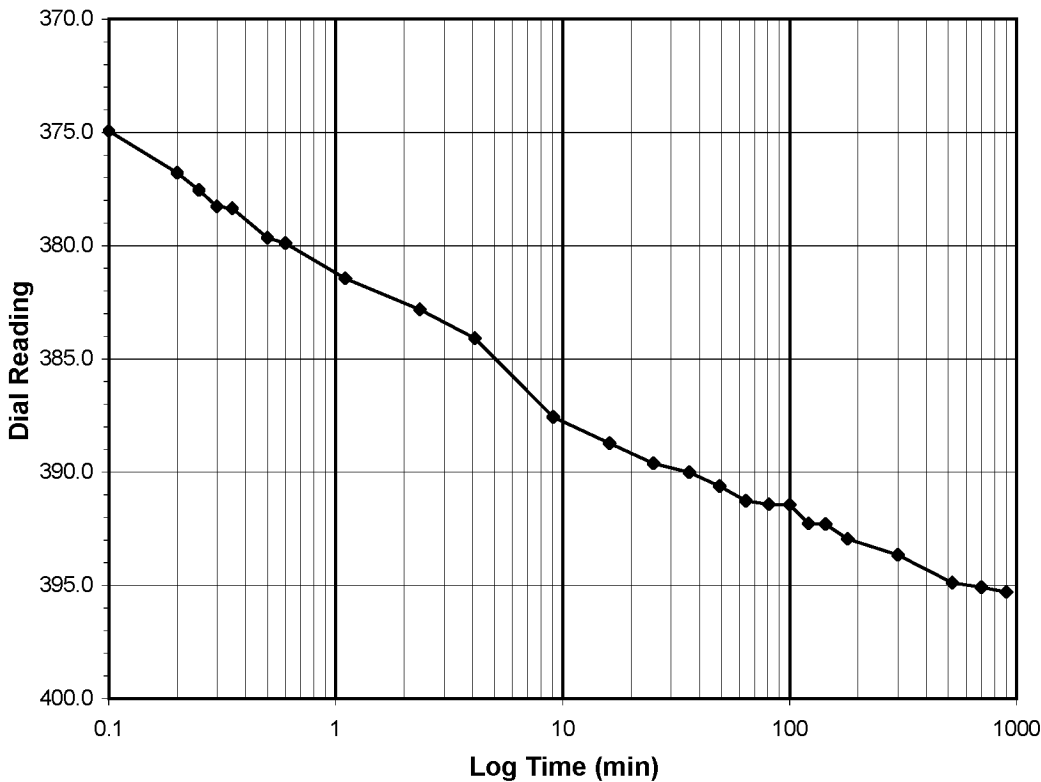
Boring No. R-6-1b  
 Depth (ft) 356.6-356.9  
 Sample No. ST-66  
 Visual Description Gray Silty Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



<b>Test Load (tsf)</b>	<b>4.0-8.0</b>
<b>Final Reading (div)</b>	<b>395.3</b>
Consolidometer No.	<b>G1418</b>
1 Division (in)	0.0001
Start Date	11/2/13
Start Time	18:24:18

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>316.5</b>
0.10	374.9
0.20	376.8
0.25	377.5
0.30	378.3
0.35	378.4
0.50	379.7
0.60	379.9
1.10	381.5
2.35	382.8
4.10	384.1
9.10	387.6
16.10	388.7
25.10	389.6
36.12	390.0
49.12	390.6
64.12	391.3
81.12	391.4
100.12	391.4
121.12	392.3
144.12	392.3
180.12	392.9
300.12	393.7
520.12	394.9
700.12	395.1
900.17	395.3



Tested By **DB** Date **11/2/13** Checked By **TM** Date **12/5/13**

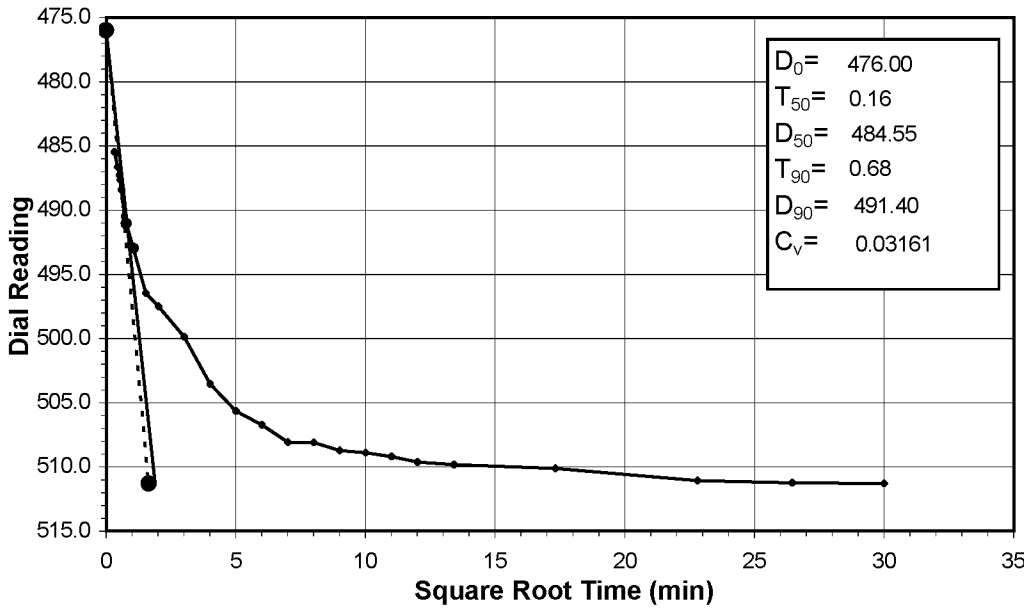
## ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-037

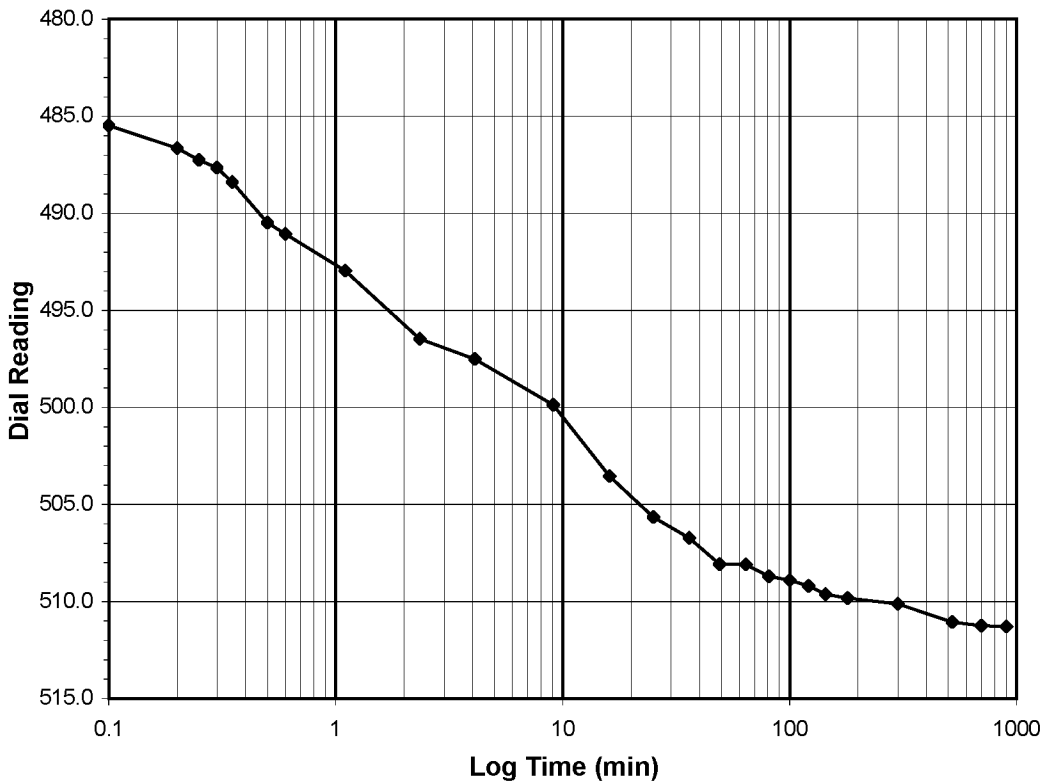
Boring No. R-6-1b  
 Depth (ft) 356.6-356.9  
 Sample No. ST-66  
 Visual Description Gray Silty Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



<b>Test Load (tsf)</b>	<b>8.0-16.0</b>
<b>Final Reading (div)</b>	<b>511.3</b>
Consolidometer No.	<b>G1418</b>
1 Division (in)	0.0001
Start Date	11/3/13
Start Time	9:24:28

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>395.3</b>
0.10	485.5
0.20	486.6
0.25	487.3
0.30	487.6
0.35	488.4
0.50	490.5
0.60	491.1
1.10	493.0
2.35	496.5
4.10	497.5
9.10	499.9
16.10	503.5
25.10	505.7
36.10	506.7
49.12	508.1
64.12	508.1
81.12	508.7
100.12	508.9
121.12	509.2
144.12	509.6
180.12	509.8
300.12	510.1
520.12	511.1
700.12	511.2
900.32	511.3



Tested By **DB** Date **11/3/13** Checked By **TM** Date **12/5/13**

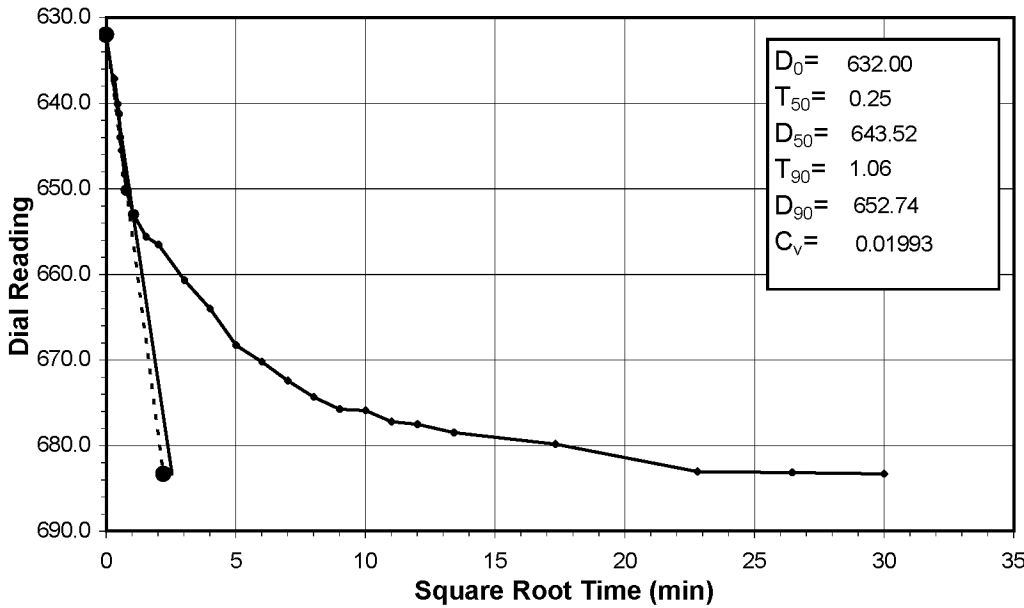
## ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-037

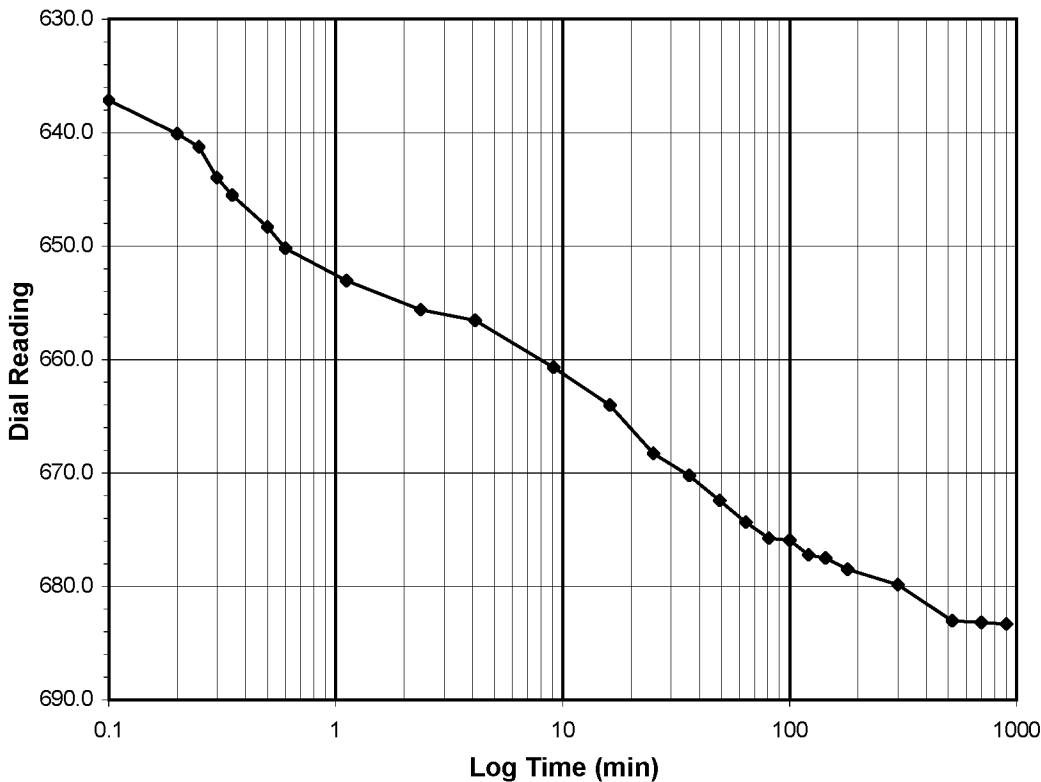
Boring No. R-6-1b  
 Depth (ft) 356.6-356.9  
 Sample No. ST-66  
 Visual Description Gray Silty Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



<b>Test Load (tsf)</b>	<b>16.0-32.0</b>
<b>Final Reading (div)</b>	<b>683.3</b>
<b>Consolidometer No.</b>	<b>G1418</b>
<b>1 Division (in)</b>	<b>0.0001</b>
<b>Start Date</b>	<b>11/4/13</b>
<b>Start Time</b>	<b>0:24:47</b>

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>511.3</b>
0.10	637.1
0.20	640.1
0.25	641.2
0.30	644.0
0.35	645.5
0.50	648.3
0.60	650.2
1.12	653.0
2.37	655.6
4.12	656.5
9.12	660.7
16.12	664.0
25.12	668.3
36.12	670.2
49.12	672.4
64.12	674.4
81.12	675.7
100.12	675.9
121.12	677.2
144.12	677.5
180.12	678.5
300.12	679.8
520.12	683.0
700.12	683.2
900.22	683.3



Tested By **DB** Date **11/4/13** Checked By **TM** Date **12/5/13**



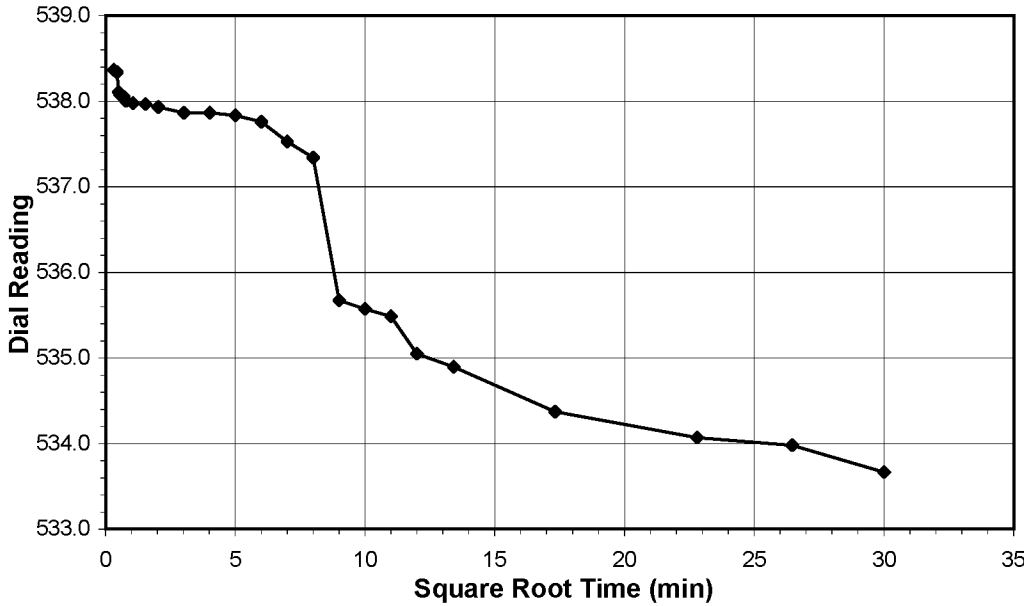
## ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-037

Boring No. R-6-1b  
 Depth (ft) 356.6-356.9  
 Sample No. ST-66  
 Visual Description Gray Silty Sand

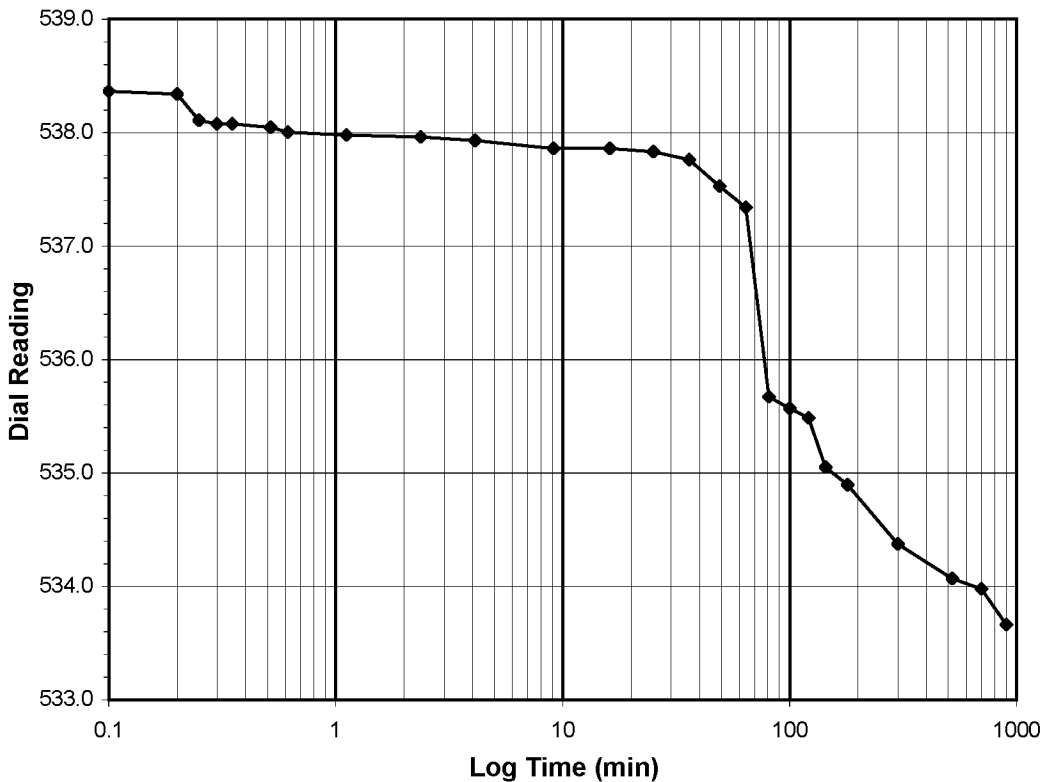
**Sample Conditions:** Undisturbed, Inundated And Double Drained



**Test Load (tsf)** 32.0-8.0  
**Final Reading (div)** 533.7  
 Consolidometer No. **G1418**  
 1 Division (in) 0.0001

Start Date 11/4/13  
 Start Time 15:25:00

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>683.3</b>
0.10	538.4
0.20	538.3
0.25	538.1
0.30	538.1
0.35	538.1
0.52	538.0
0.62	538.0
1.12	538.0
2.37	538.0
4.12	537.9
9.12	537.9
16.12	537.9
25.12	537.8
36.12	537.8
49.12	537.5
64.13	537.3
81.13	535.7
100.13	535.6
121.13	535.5
144.13	535.1
180.13	534.9
300.13	534.4
520.13	534.1
700.13	534.0
900.32	533.7



Tested By **DB** Date **11/4/13** Checked By **TM** Date **12/5/13**

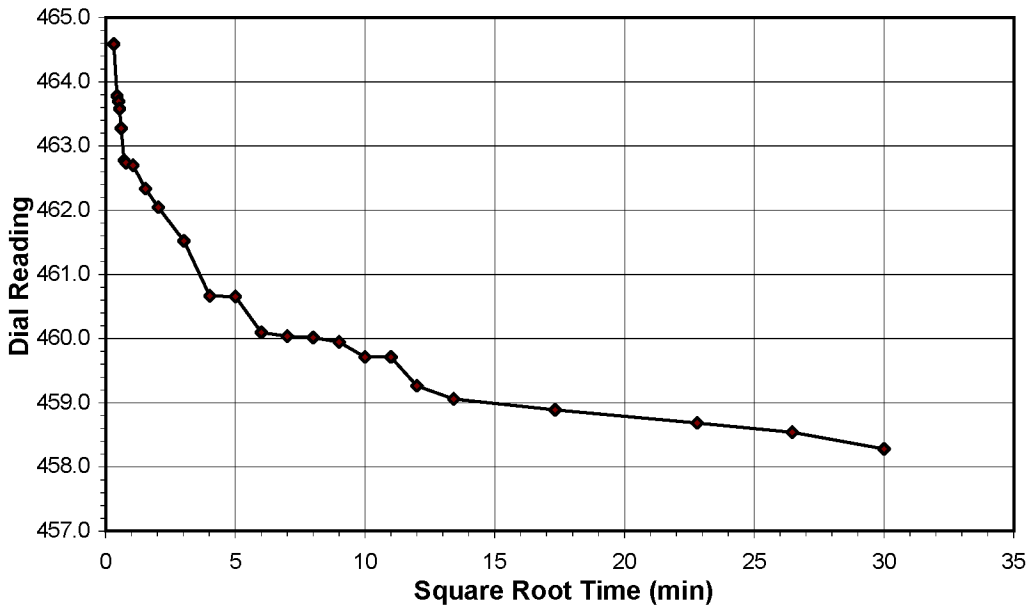
## ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-037

Boring No. R-6-1b  
 Depth (ft) 356.6-356.9  
 Sample No. ST-66  
 Visual Description Gray Silty Sand

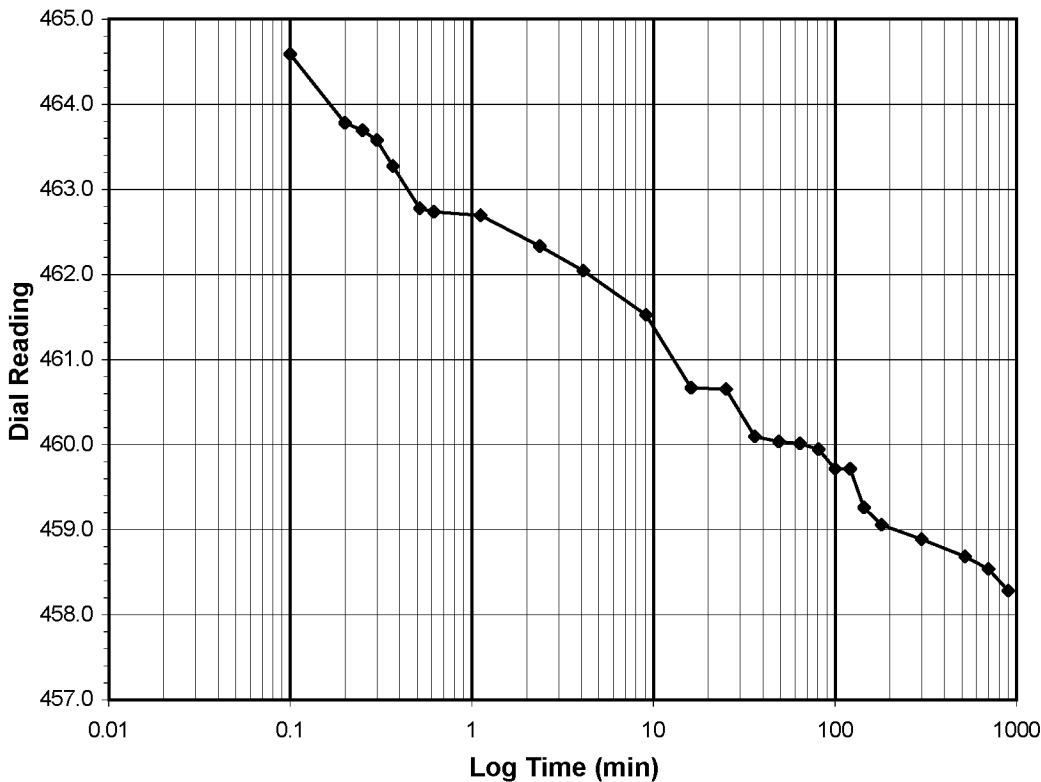
**Sample Conditions:** Undisturbed, Inundated And Double Drained



**Test Load (tsf)** 8.0-2.0  
**Final Reading (div)** 458.3  
 Consolidometer No. G1418  
 1 Division (in) 0.0001

Start Date 11/5/13  
 Start Time 6:25:19

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>533.7</b>
0.10	464.6
0.20	463.8
0.25	463.7
0.30	463.6
0.37	463.3
0.52	462.8
0.62	462.7
1.12	462.7
2.37	462.3
4.12	462.0
9.12	461.5
16.12	460.7
25.12	460.7
36.12	460.1
49.12	460.0
64.12	460.0
81.12	459.9
100.12	459.7
121.12	459.7
144.12	459.3
180.12	459.1
300.13	458.9
520.13	458.7
700.13	458.5
900.28	458.3



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

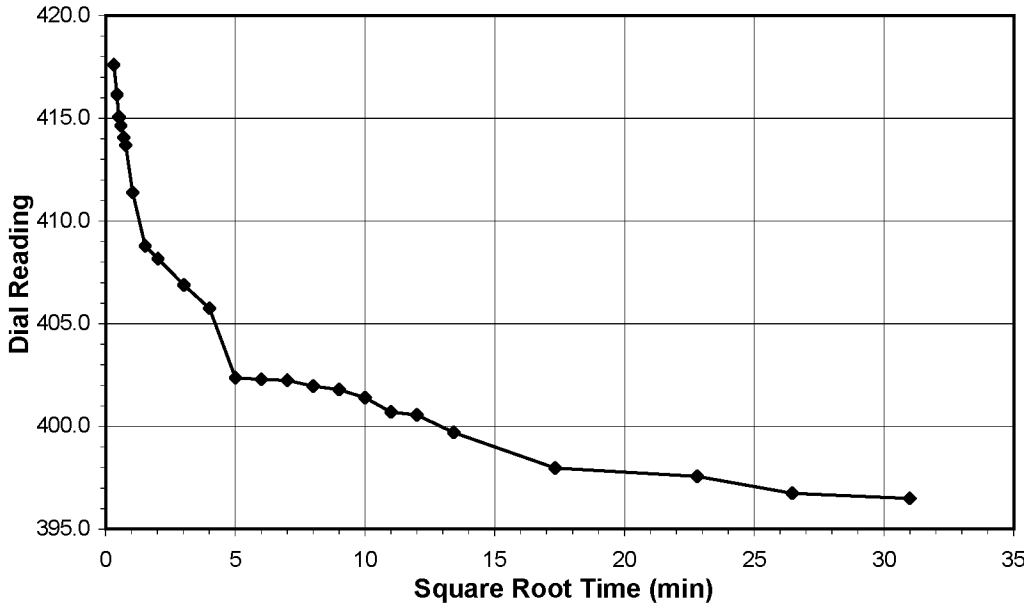
## ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-037

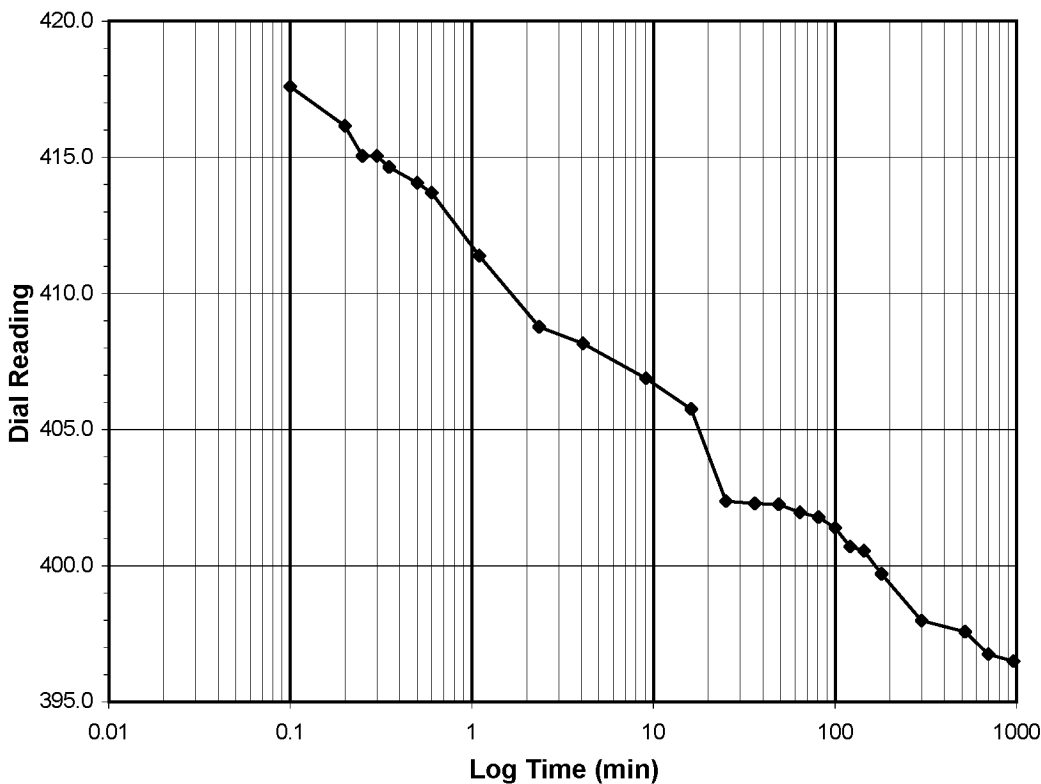
Boring No. R-6-1b  
 Depth (ft) 356.6-356.9  
 Sample No. ST-66  
 Visual Description Gray Silty Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



<b>Test Load (tsf)</b>	<b>2.0-0.5</b>
<b>Final Reading (div)</b>	<b>396.5</b>
Consolidometer No.	<b>G1418</b>
1 Division (in)	0.0001
Start Date	11/5/13
Start Time	21:25:37

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>458.3</b>
0.10	417.6
0.20	416.2
0.25	415.1
0.30	415.0
0.35	414.6
0.50	414.1
0.60	413.7
1.10	411.4
2.35	408.8
4.10	408.2
9.10	406.9
16.10	405.7
25.10	402.4
36.10	402.3
49.10	402.2
64.12	402.0
81.12	401.8
100.12	401.4
121.12	400.7
144.12	400.6
180.12	399.7
300.12	398.0
520.12	397.6
700.12	396.7
960.12	396.5



Tested By **DB** Date **11/5/13** 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)	356.6-356.9
Project No.	2013-465-001	Sample No.	ST-66
Lab ID	2013-465-001-037	Visual Description	Gray Silty Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained

**Consolidometer No.** G1418  
**1 Division** = 0.0001 (in)

<u>Sample Properties</u>	<u>Initial</u>	<u>Final</u>	<u>Test Data Summary</u>							
<i>Water Content</i>			<b>Applied Pressure</b>	<b>Final Dial Reading</b>	<b>Machine Deflection</b>	<b>Corrected Reading</b>	<b>Height of Sample</b>	<b>Volume</b>	<b>Dry Density</b>	<b>Void Ratio</b>
Tare Number	2736	2550	(tsf)	(div)	(div)	(div)	(mm)	(cm <sup>3</sup> )	(g/cm <sup>3</sup> )	
Wt. Tare & WS (g)	146.15	155.47								
Wt. Tare & DS (g)	117.21	124.92								
Wt. Water (g)	28.94	30.55	Seating	0	0	0	25.400	80.440	1.48417	<b>0.76529</b>
Wt. Tare (g)	6.66	6.72	0.25	97.0	17.6	79.4	25.198	79.801	1.49605	<b>0.75128</b>
Wt. DS (g)	110.55	118.20	0.5	117.0	27.0	90.0	25.171	79.716	1.49766	<b>0.74940</b>
Water Content (%)	26.18	25.85	1	182.9	40.4	142.6	25.038	79.293	1.50564	<b>0.74012</b>
			2	232.0	66.6	165.4	24.980	79.109	1.50914	<b>0.73609</b>
			4	297.6	97.5	200.1	24.892	78.830	1.51448	<b>0.72997</b>
<b><u>Sample Parameters</u></b>			1	248.6	58.5	190.1	24.917	78.910	1.51294	<b>0.73173</b>
Sample Diameter (in)	2.5	2.5	0.25	206.4	28.5	177.8	24.948	79.009	1.51105	<b>0.73390</b>
Sample Height (in)	1.0000	0.9657	0.5	226.8	33.9	192.9	24.910	78.888	1.51336	<b>0.73124</b>
Sample Volume (cm <sup>3</sup> )	80.44	77.68	1	243.6	48.4	195.2	24.904	78.870	1.51372	<b>0.73084</b>
Wt. Wet Sample + Ring (g)	365.14	364.74	2	271.5	68.5	203.0	24.884	78.807	1.51492	<b>0.72946</b>
Wt. of Ring (g)	214.50	214.50	4	316.5	97.9	218.6	24.845	78.681	1.51735	<b>0.72670</b>
Wt. of Wet Sample (g)	150.64	150.24	8	395.3	129.5	265.8	24.725	78.302	1.52470	<b>0.71837</b>
Wet Density (pcf)	116.86	120.69	16	511.3	176.6	334.7	24.550	77.748	1.53556	<b>0.70621</b>
Wet Density (g/cm <sup>3</sup> )	1.87	1.93	32	683.3	251.4	431.9	24.303	76.966	1.55117	<b>0.68905</b>
Water Content (%)	26.18	25.85	8	533.7	142.9	390.8	24.407	77.297	1.54453	<b>0.69631</b>
Wt. of Dry Sample (g)	119.39	119.39	2	458.3	89.7	368.6	24.464	77.475	1.54097	<b>0.70022</b>
Dry Density (pcf)	92.61	95.90	0.5	396.5	53.4	343.1	24.528	77.680	1.53691	<b>0.70472</b>
Dry Density (g/cm <sup>3</sup> )	1.48	1.54								
Void Ratio	0.7653	0.7047								
Saturation (%)	89.62	96.09								
Specific Gravity	2.62	Measured								
			<b>Tested By</b>	<b>DB</b>	<b>Date</b>	<b>10/24/13</b>	<b>Input Checked By</b>	<b>TM</b>	<b>Date</b>	<b>12/5/13</b>

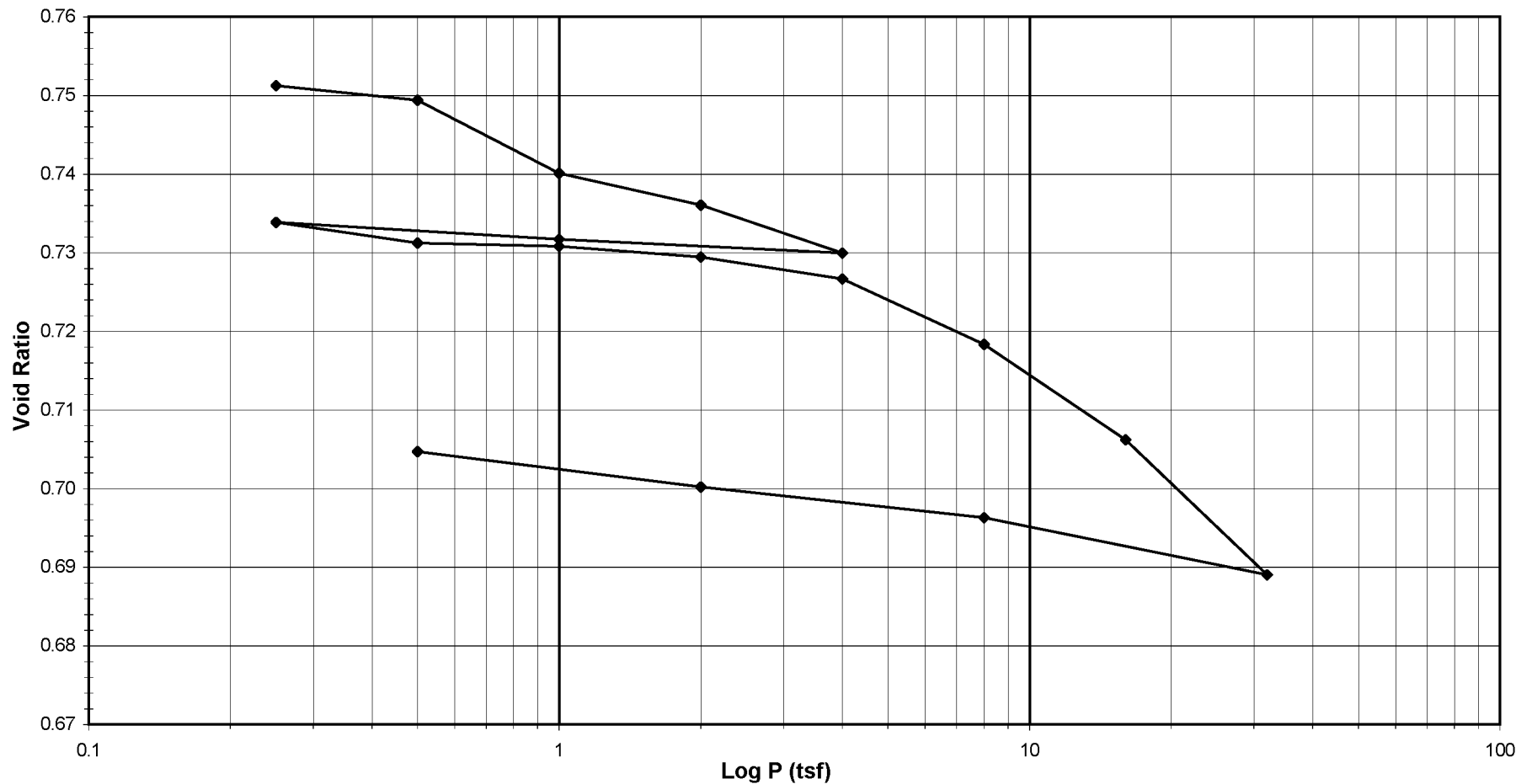
# ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Reference Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-037

Boring No. R-6-1b  
 Depth (ft) 356.6-356.9  
 Sample No. ST-66  
 Visual Description Gray Silty Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



Tested By DB Date 10/24/13 Approved By RJO 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)	356.6-356.9
Project No.	2013-465-001	Sample No.	ST-66
Lab ID	2013-465-001-037	Visual Description	Gray Silty Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained**Consolidometer No.** G1418**1 Division** = 0.0001 (in)**C<sub>v</sub> Test Data Summary**

<b><u>Sample Properties</u></b>	<b><u>Initial</u></b>	<b><u>Final</u></b>	<b><u>Load</u></b>	<b><u>Dial</u></b>	<b><u>Machine</u></b>	<b><u>Corrected</u></b>	<b><u>Sample</u></b>	<b><u>Time</u></b>	<b><u>C<sub>v</sub></u></b>
			<b><u>Increment</u></b>	<b><u>Reading</u></b>	<b><u>Deflection</u></b>	<b><u>Dial Reading</u></b>	<b><u>Height</u></b>	<b><u>t<sub>50</sub></u></b>	
			(tsf)	@ t <sub>50</sub> (div)	(div)	@ t <sub>50</sub> (div)	@ t <sub>50</sub> (mm)	(min)	(cm <sup>2</sup> /sec)
<i>Water Content</i>									
Tare Number	2736	2550							
Wt. Tare & WS (g)	146.15	155.47							
Wt. Tare & DS (g)	117.21	124.92							
Wt. Water (g)	28.94	30.55	Seating	NA	NA	NA	NA	NA	NA
Wt. Tare (g)	6.66	6.72	0.25	57.0	17.6	39.4	25.30	0.15	0.03630
Wt. DS (g)	110.55	118.2	0.5	110.5	27.0	83.5	25.19	0.20	0.02660
Water Content (%)	26.18	25.85	1	174.2	40.4	133.9	25.06	0.10	0.05416
			2	201.6	66.6	135.0	25.06	0.11	0.04579
			4	282.0	97.5	184.6	24.93	0.45	0.01147
<b><u>Sample Parameters</u></b>			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	0.9657	0.5	225.2	33.9	191.2	24.91	0.14	0.03776
Sample Volume (cm <sup>3</sup> )	80.44	77.68	1	241.6	48.4	193.2	24.91	0.14	0.03706
Wt. Wet Sample + Ring (g)	365.14	364.74	2	265.7	68.5	197.2	24.90	0.31	0.01659
Wt. of Ring (g)	214.50	214.50	4	300.9	97.9	203.0	24.88	0.08	0.06242
Wt. of Wet Sample (g)	150.64	150.24	8	377.5	129.5	248.0	24.77	0.23	0.02191
Wet Density (pcf)	116.86	120.69	16	484.6	176.6	307.9	24.62	0.16	0.03161
Wet Density (g/cm <sup>3</sup> )	1.87	1.93	32	643.5	251.4	392.1	24.40	0.25	0.01993
Water Content (%)	26.18	25.85	8	NA	NA	NA	NA	NA	NA
Wt. of Dry Sample (g)	119.39	119.39	2	NA	NA	NA	NA	NA	NA
Dry Density (pcf)	92.61	95.90	0.5	NA	NA	NA	NA	NA	NA
Dry Density (g/cm <sup>3</sup> )	1.48	1.54							
Void Ratio	0.7653	0.7047							
Saturation (%)	89.62	96.09							
Specific Gravity	2.62	Measured							

<b>Tested By</b>	DB	<b>Date</b>	10/24/13	<b>Input Checked By</b>	TM	<b>Date</b>	12/5/13
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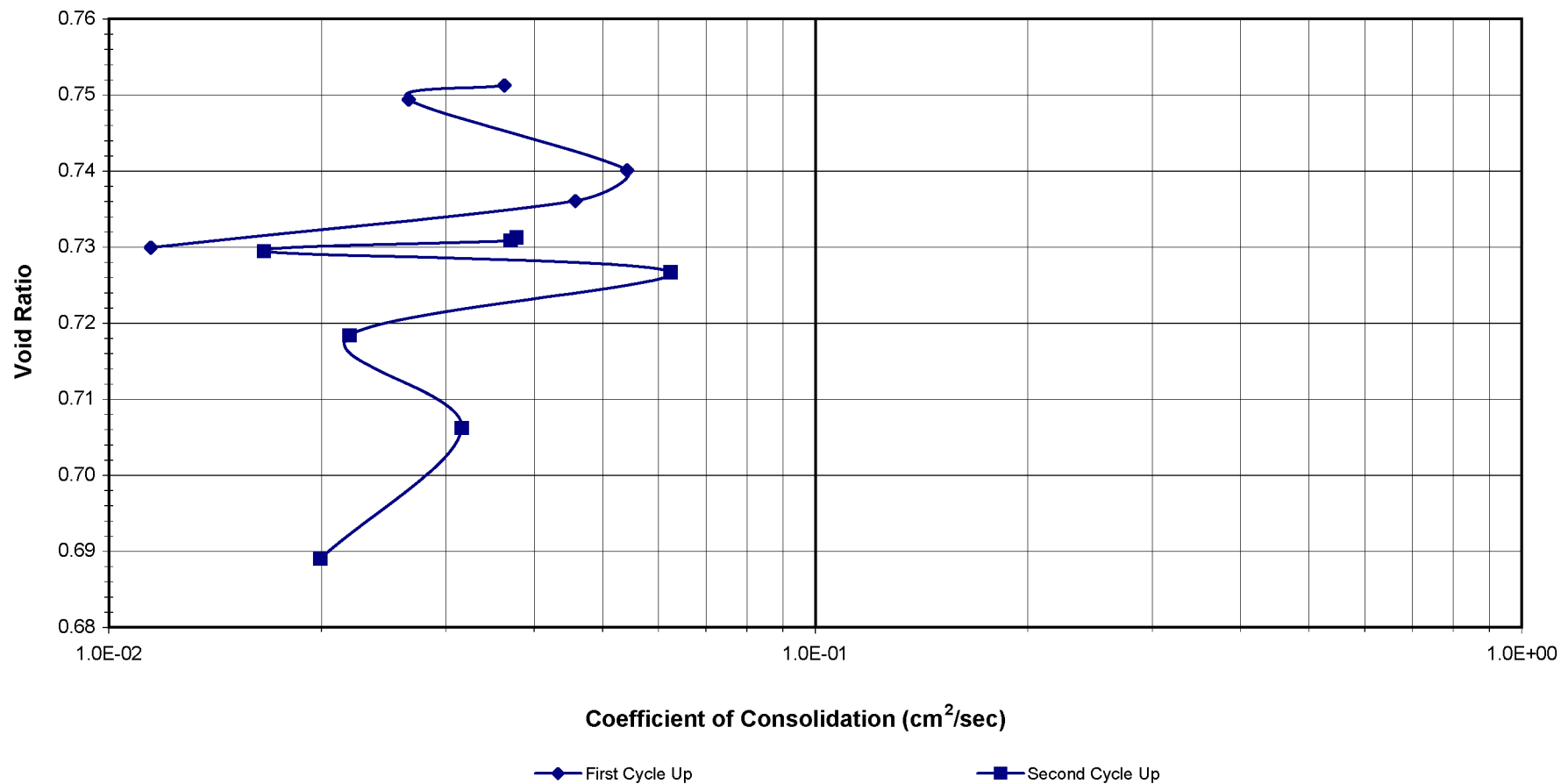
# ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Reference Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-037

Boring No. R-6-1b  
 Depth (ft) 356.6-356.9  
 Sample No. ST-66  
 Visual Description Gray Silty Sand

Sample Conditions: Undisturbed, Inundated And Double Drained



Tested By DB Date 10/24/13

Approved By RJO Date 12/5/13

## 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) 356.6-356.9
Project No.	2013-465-001	Sample No. ST-66
Lab ID #	2013-465-001-037	

Equipment	Equipment ID#	Calibration Due Date
Calipers	G1122	12/3/13
Balance	G1393 : G1394	5/13/14 : 5/15/14
Oven	G624 : G1387	11/9/13 : 8/16/14
Consolidometer	G1418	1/9/14
Load Cell	G1419	1/9/14
LVDT	G1420	1/9/14



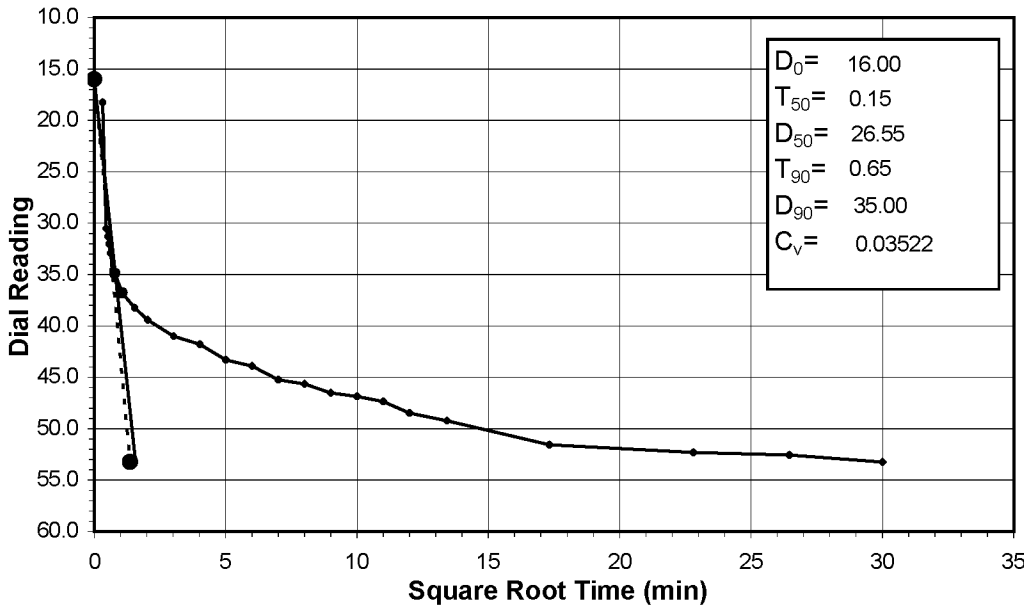
## ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-040

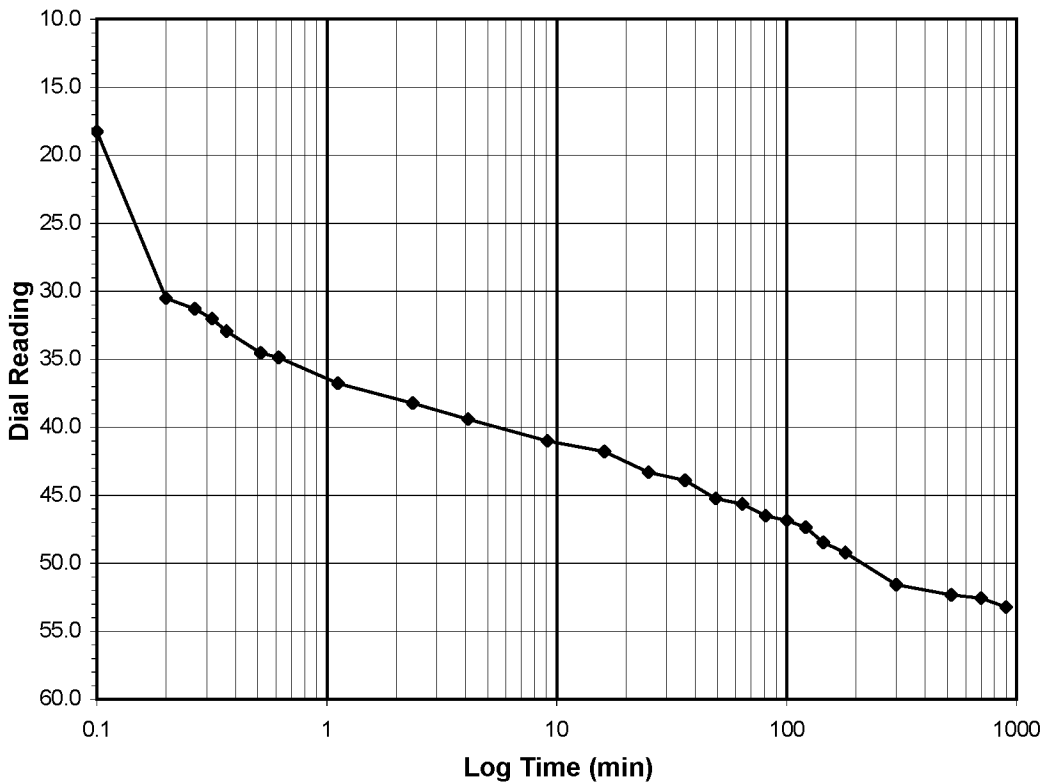
Boring No. R-6-1b  
 Depth (ft) 402.8-403.0  
 Sample No. ST-82  
 Visual Description Gray Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



<b>Test Load (tsf)</b>	<b>0.0-0.25</b>
<b>Final Reading (div)</b>	<b>53.2</b>
<b>Consolidometer No.</b>	<b>G1418</b>
<b>1 Division (in)</b>	<b>0.0001</b>
<b>Start Date</b>	<b>11/29/13</b>
<b>Start Time</b>	<b>9:07:48</b>

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>0.0</b>
0.10	18.2
0.20	30.5
0.27	31.3
0.32	32.0
0.37	32.9
0.52	34.5
0.62	34.9
1.12	36.8
2.37	38.2
4.12	39.4
9.12	41.0
16.12	41.8
25.12	43.3
36.12	43.9
49.12	45.2
64.12	45.6
81.12	46.5
100.13	46.9
121.13	47.4
144.13	48.5
180.13	49.2
300.13	51.6
520.13	52.3
700.13	52.6
900.30	53.2



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

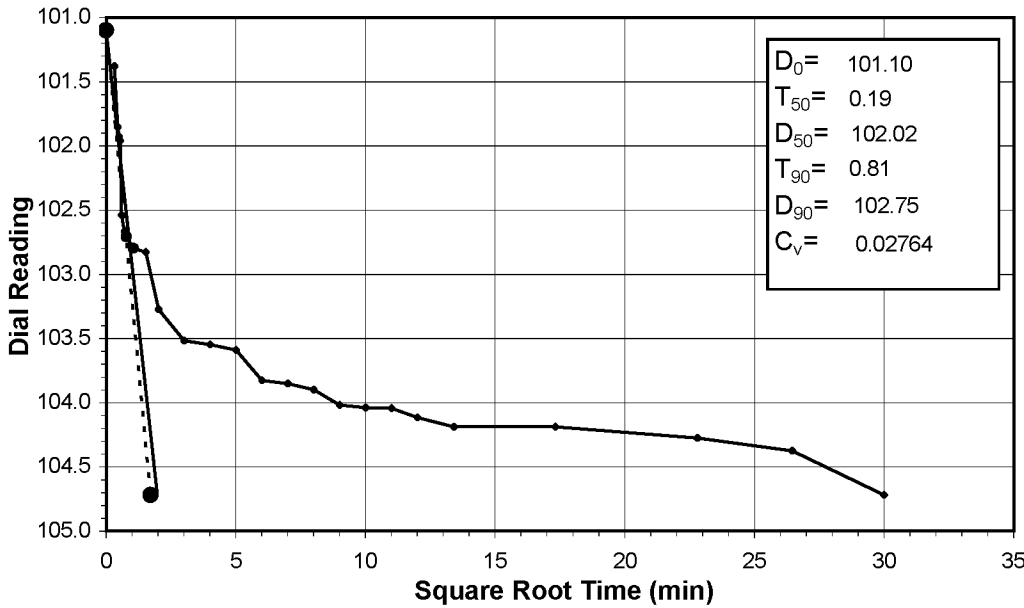
## ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-040

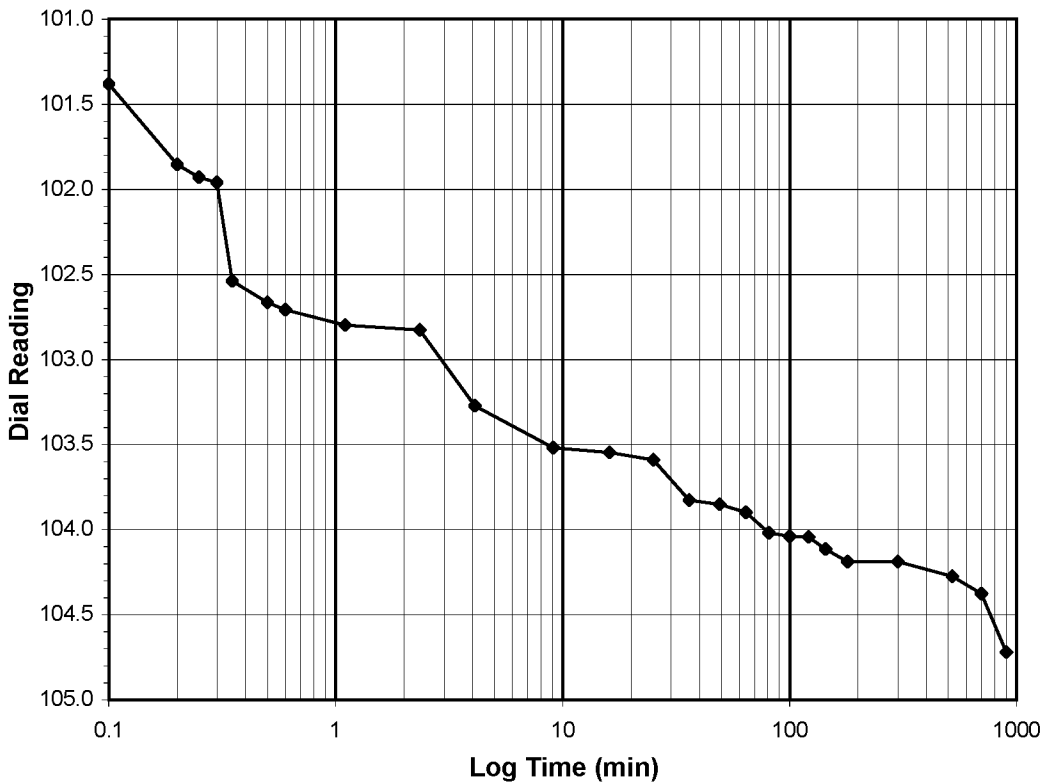
Boring No. R-6-1b  
 Depth (ft) 402.8-403.0  
 Sample No. ST-82  
 Visual Description Gray Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



<b>Test Load (tsf)</b>	<b>0.25-0.5</b>
<b>Final Reading (div)</b>	<b>104.7</b>
<b>Consolidometer No.</b>	<b>G1418</b>
<b>1 Division (in)</b>	<b>0.0001</b>
<b>Start Date</b>	<b>11/30/13</b>
<b>Start Time</b>	<b>0:08:06</b>

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>53.2</b>
0.10	101.4
0.20	101.9
0.25	101.9
0.30	102.0
0.35	102.5
0.50	102.7
0.60	102.7
1.10	102.8
2.35	102.8
4.10	103.3
9.10	103.5
16.10	103.5
25.10	103.6
36.10	103.8
49.10	103.9
64.12	103.9
81.12	104.0
100.12	104.0
121.12	104.0
144.12	104.1
180.12	104.2
300.12	104.2
520.12	104.3
700.12	104.4
900.18	104.7



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

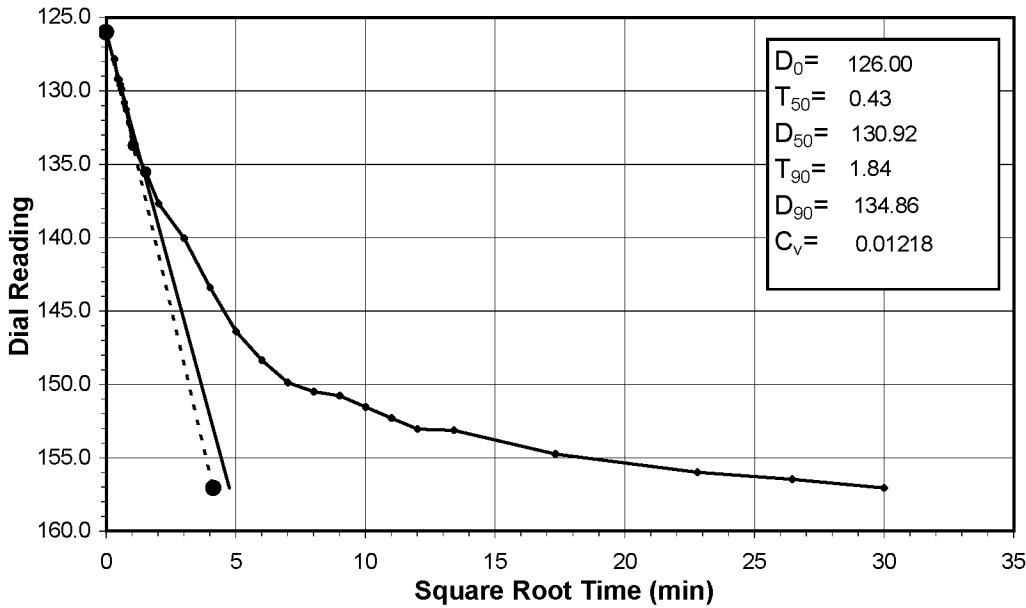
## ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-040

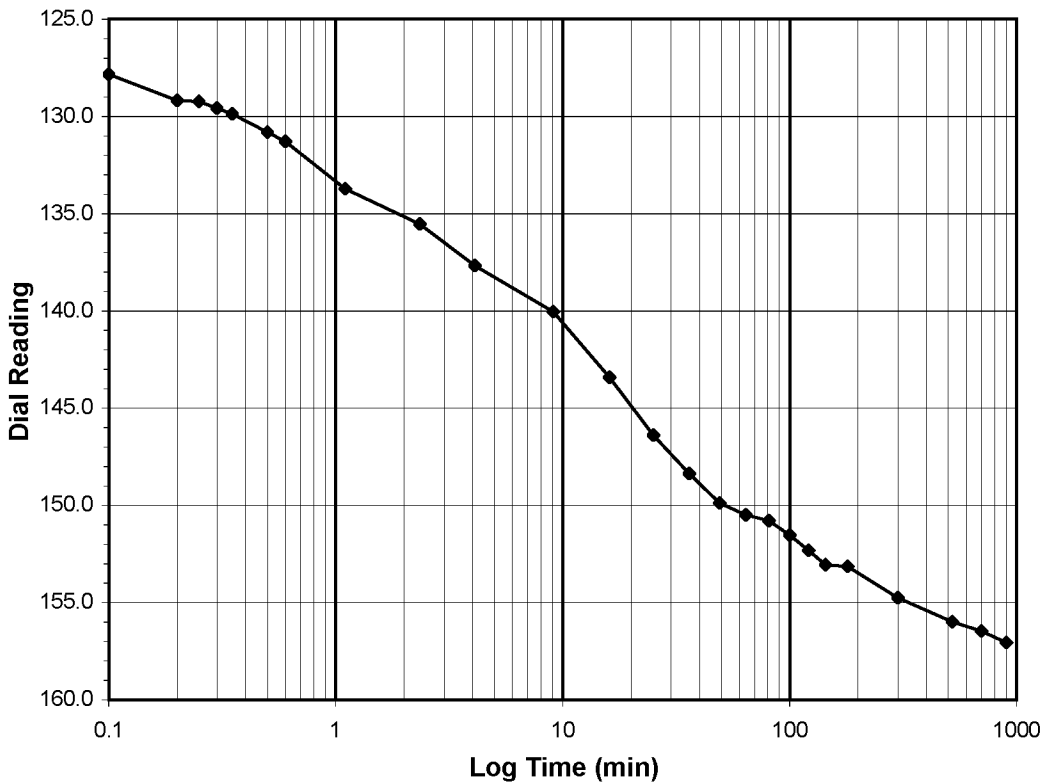
Boring No. R-6-1b  
 Depth (ft) 402.8-403.0  
 Sample No. ST-82  
 Visual Description Gray Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



<b>Test Load (tsf)</b>	<b>0.5-1.0</b>
<b>Final Reading (div)</b>	<b>157.0</b>
<b>Consolidometer No.</b>	<b>G1418</b>
<b>1 Division (in)</b>	<b>0.0001</b>
<b>Start Date</b>	<b>11/30/13</b>
<b>Start Time</b>	<b>15:08:18</b>

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>104.7</b>
0.10	127.8
0.20	129.2
0.25	129.2
0.30	129.6
0.35	129.9
0.50	130.8
0.60	131.3
1.10	133.7
2.35	135.5
4.10	137.7
9.10	140.0
16.10	143.4
25.10	146.4
36.12	148.4
49.12	149.9
64.12	150.5
81.12	150.8
100.12	151.5
121.12	152.3
144.12	153.1
180.12	153.1
300.12	154.8
520.12	156.0
700.12	156.5
900.18	157.0



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

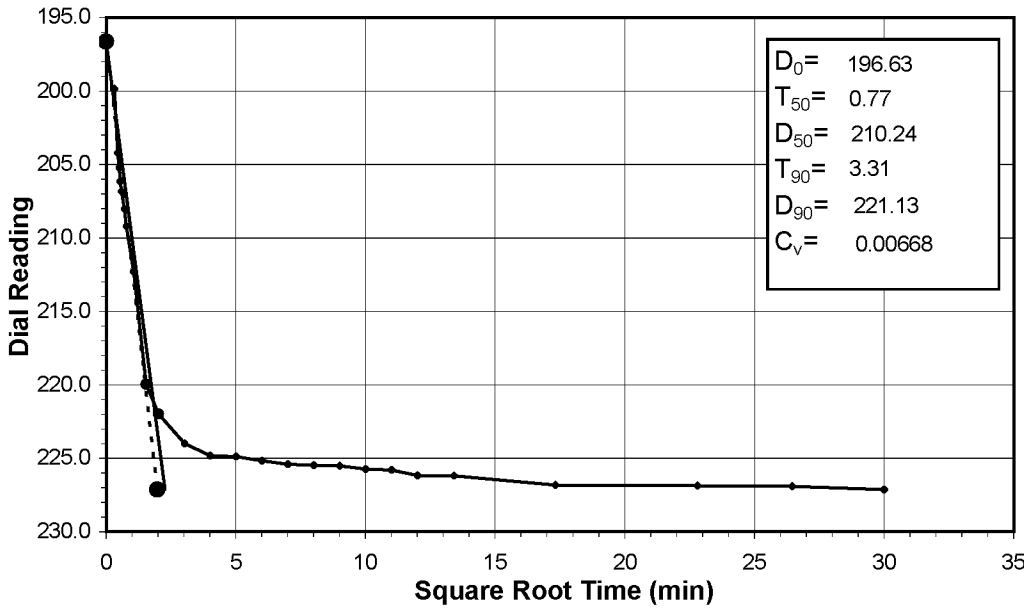
## ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-040

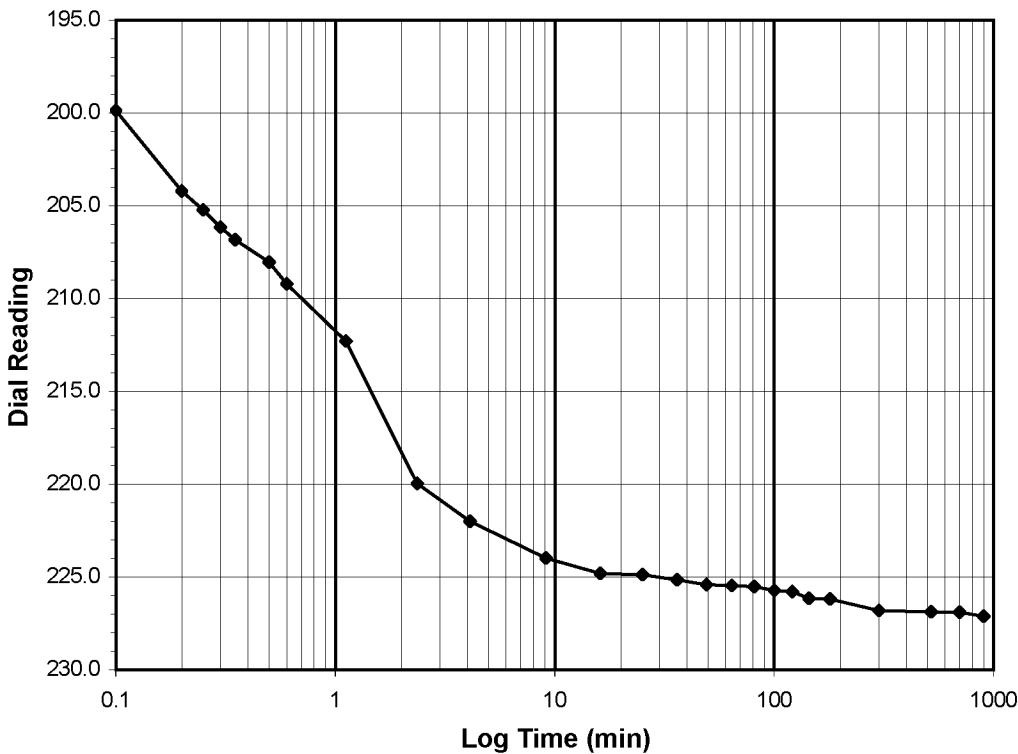
Boring No. R-6-1b  
 Depth (ft) 402.8-403.0  
 Sample No. ST-82  
 Visual Description Gray Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



<b>Test Load (tsf)</b>	<b>1.0-2.0</b>
<b>Final Reading (div)</b>	<b>227.1</b>
Consolidometer No.	<b>G1418</b>
1 Division (in)	0.0001
<b>Start Date</b>	<b>12/1/13</b>
<b>Start Time</b>	<b>6:08:29</b>

Elapsed Time (min)	Dial Reading (div)
<i>Initial</i>	<b>157.0</b>
0.10	199.9
0.20	204.2
0.25	205.2
0.30	206.2
0.35	206.8
0.50	208.0
0.60	209.2
1.12	212.3
2.37	220.0
4.12	222.0
9.12	224.0
16.12	224.8
25.12	224.9
36.12	225.2
49.12	225.4
64.12	225.5
81.12	225.5
100.12	225.7
121.12	225.8
144.12	226.2
180.12	226.2
300.12	226.8
520.12	226.9
700.12	226.9
900.08	227.1



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

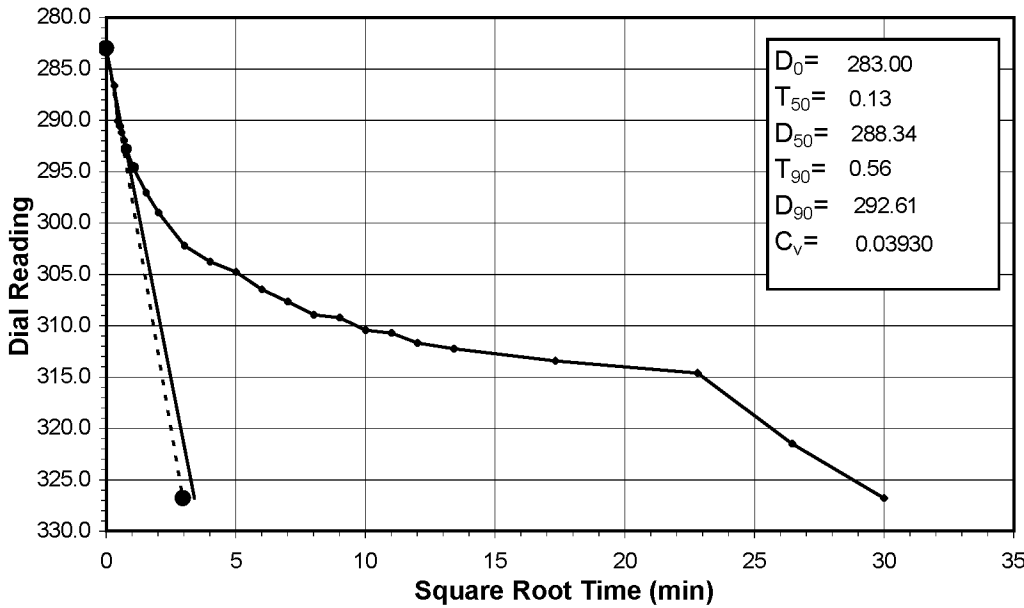
## ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-040

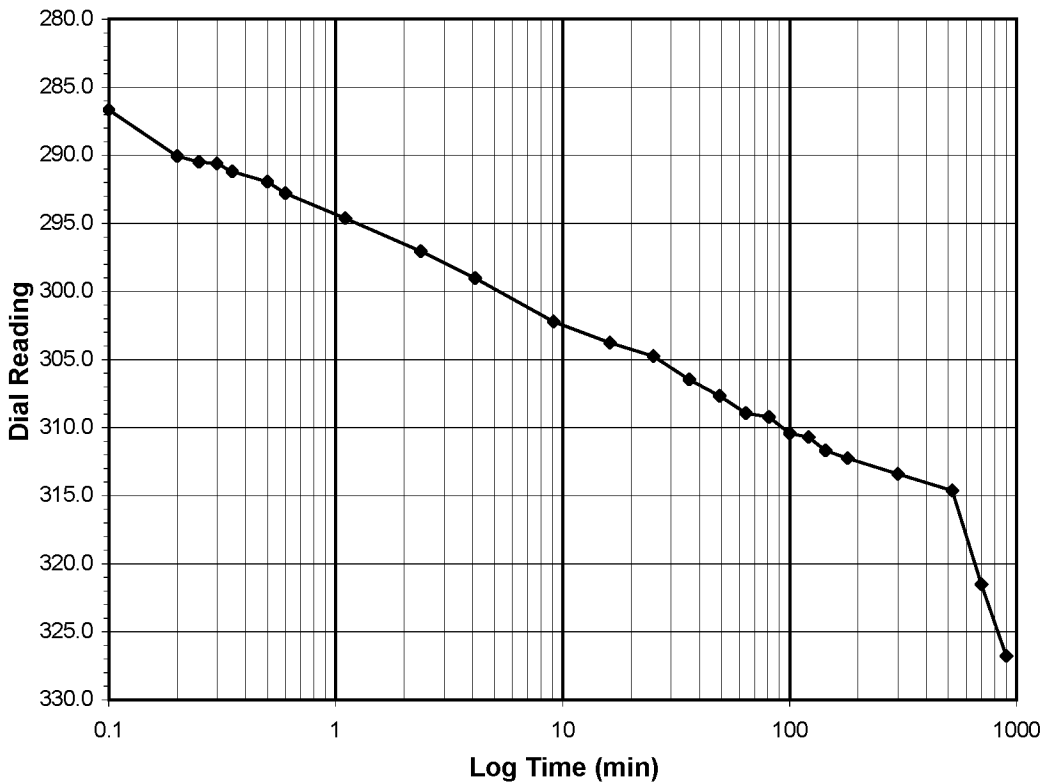
Boring No. R-6-1b  
 Depth (ft) 402.8-403.0  
 Sample No. ST-82  
 Visual Description Gray Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



<b>Test Load (tsf)</b>	<b>2.0-4.0</b>
<b>Final Reading (div)</b>	<b>326.8</b>
<b>Consolidometer No.</b>	<b>G1418</b>
<b>1 Division (in)</b>	<b>0.0001</b>
<b>Start Date</b>	<b>12/1/13</b>
<b>Start Time</b>	<b>21:08:34</b>

Elapsed Time (min)	Dial Reading (div)
<i>Initial</i>	<b>227.1</b>
0.10	286.6
0.20	290.1
0.25	290.5
0.30	290.6
0.35	291.2
0.50	291.9
0.60	292.8
1.10	294.6
2.37	297.0
4.12	299.0
9.12	302.2
16.12	303.8
25.12	304.8
36.12	306.5
49.12	307.7
64.12	308.9
81.12	309.2
100.12	310.4
121.12	310.7
144.12	311.7
180.12	312.3
300.12	313.4
520.12	314.6
700.12	321.5
900.05	326.8



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

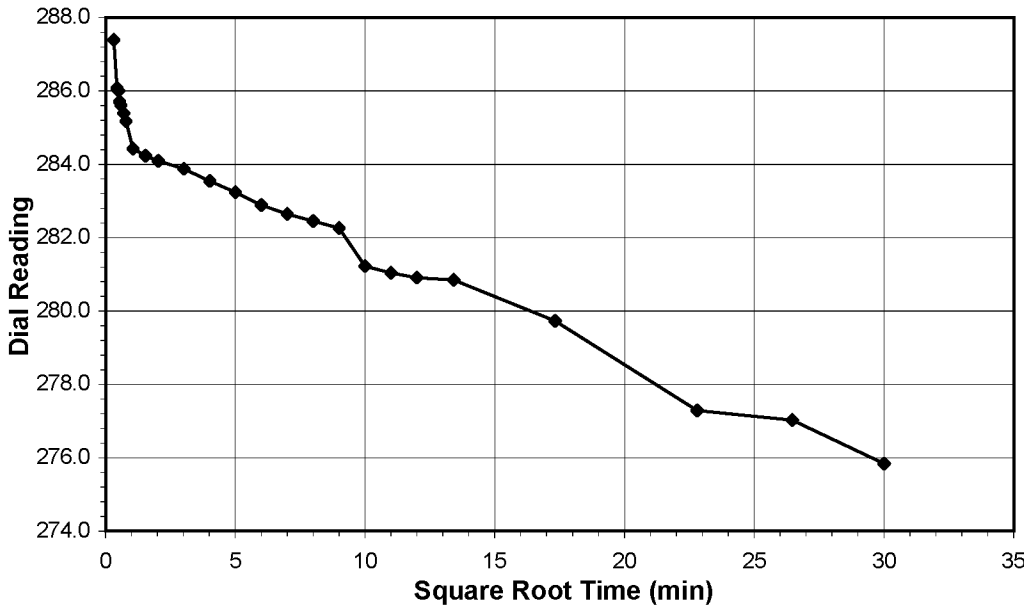
## ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-040

Boring No. R-6-1b  
 Depth (ft) 402.8-403.0  
 Sample No. ST-82  
 Visual Description Gray Sand

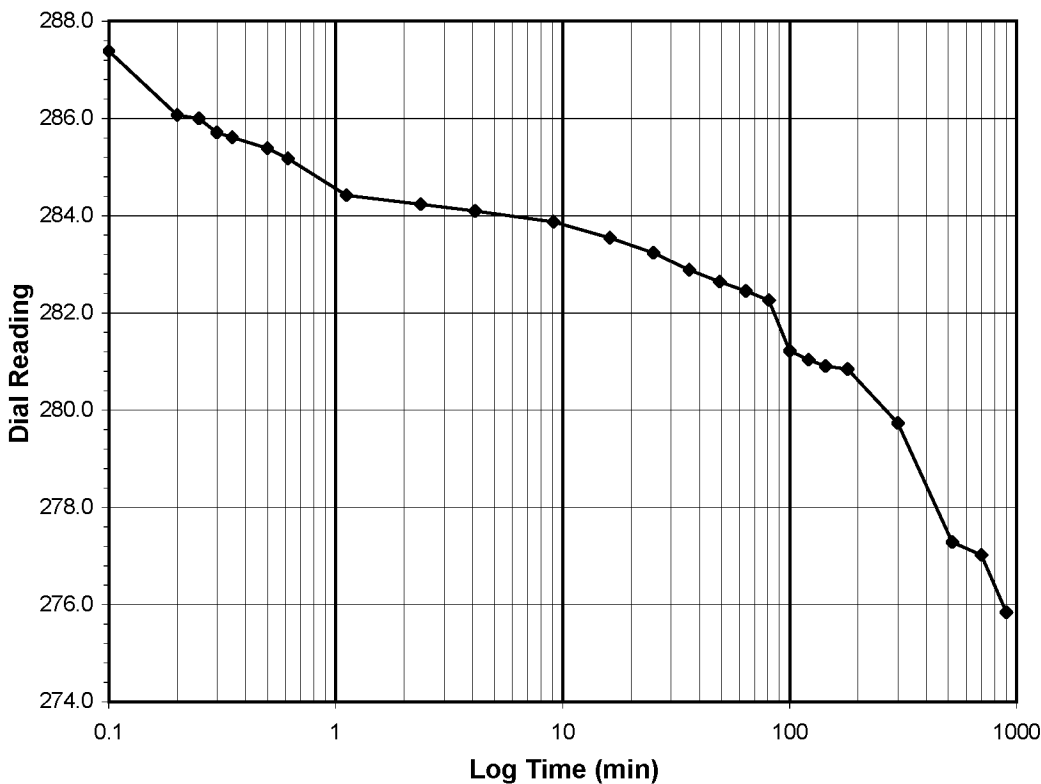
**Sample Conditions:** Undisturbed, Inundated And Double Drained



**Test Load (tsf)** 4.0-1.0  
**Final Reading (div)** 275.8  
 Consolidometer No. G1418  
 1 Division (in) 0.0001

**Start Date** 12/2/13  
**Start Time** 12:08:37

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>326.8</b>
0.10	287.4
0.20	286.1
0.25	286.0
0.30	285.7
0.35	285.6
0.50	285.4
0.62	285.2
1.12	284.4
2.37	284.2
4.12	284.1
9.12	283.9
16.12	283.5
25.12	283.2
36.12	282.9
49.12	282.6
64.12	282.5
81.12	282.3
100.12	281.2
121.12	281.0
144.12	280.9
180.12	280.8
300.13	279.7
520.13	277.3
700.13	277.0
900.17	275.8



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

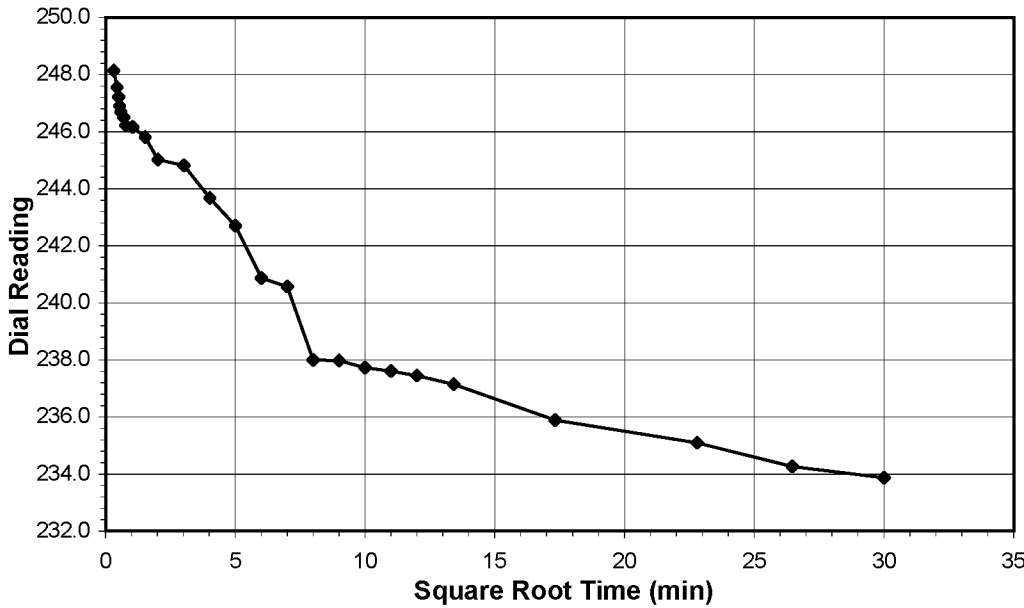
## ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-040

Boring No. R-6-1b  
 Depth (ft) 402.8-403.0  
 Sample No. ST-82  
 Visual Description Gray Sand

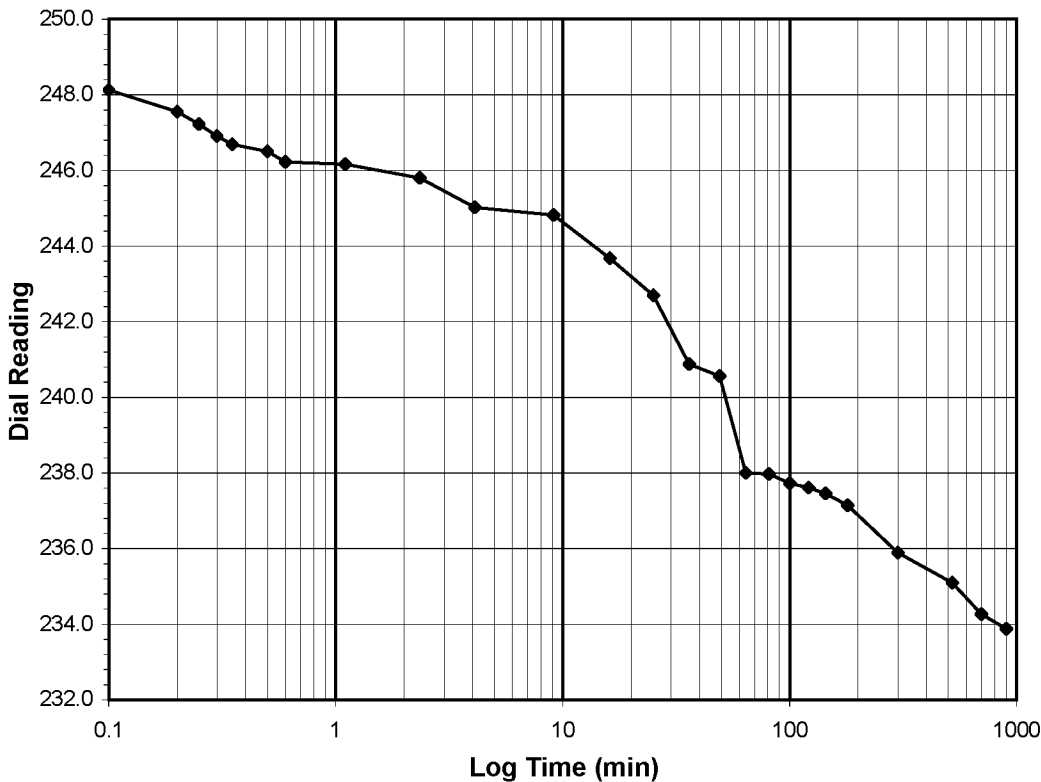
**Sample Conditions:** Undisturbed, Inundated And Double Drained



**Test Load (tsf)** 1.0-0.25  
**Final Reading (div)** 233.9  
 Consolidometer No. G1418  
 1 Division (in) 0.0001

Start Date 12/3/13  
 Start Time 3:08:47

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>275.8</b>
0.10	248.1
0.20	247.6
0.25	247.2
0.30	246.9
0.35	246.7
0.50	246.5
0.60	246.2
1.10	246.2
2.35	245.8
4.10	245.0
9.12	244.8
16.12	243.7
25.12	242.7
36.12	240.9
49.12	240.6
64.12	238.0
81.12	238.0
100.12	237.7
121.12	237.6
144.12	237.5
180.12	237.1
300.12	235.9
520.12	235.1
700.13	234.3
900.40	233.9



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

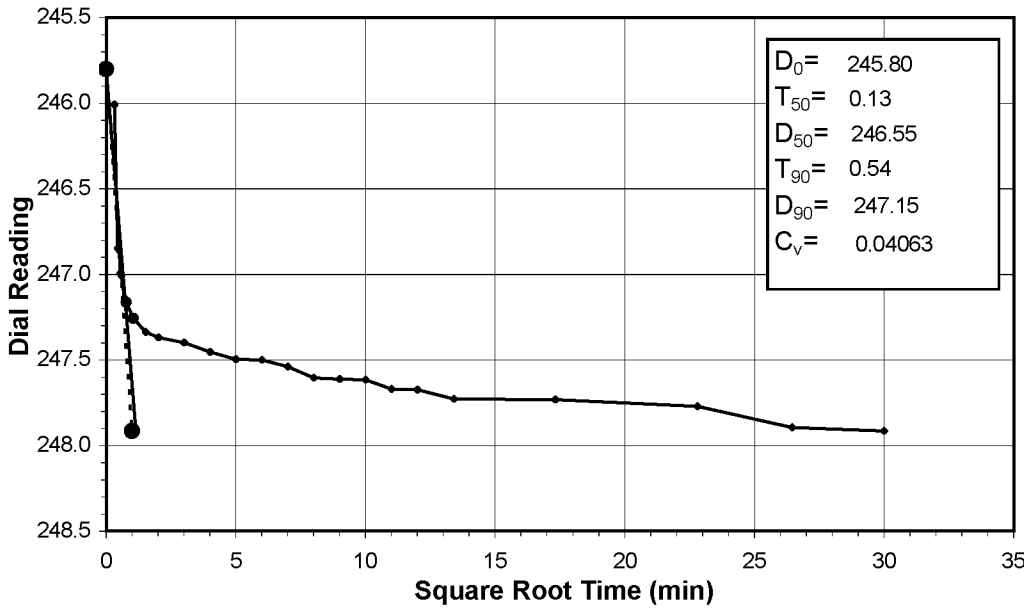
## ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-040

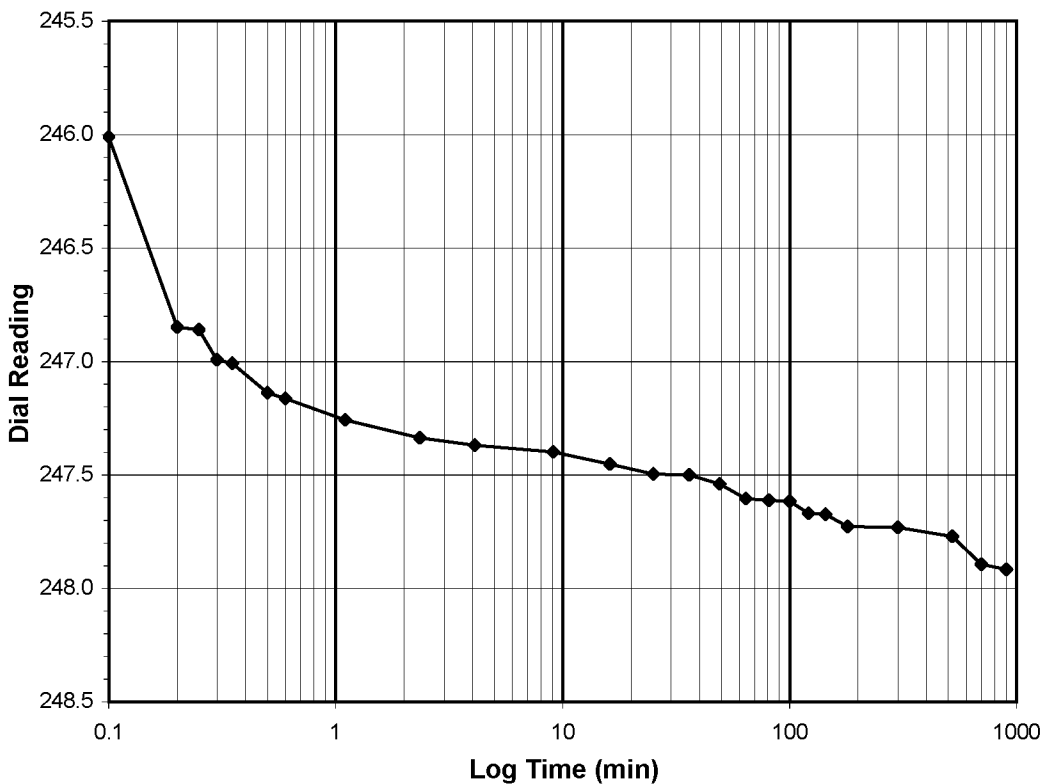
Boring No. R-6-1b  
 Depth (ft) 402.8-403.0  
 Sample No. ST-82  
 Visual Description Gray Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



<b>Test Load (tsf)</b>	<b>0.25-0.5</b>
<b>Final Reading (div)</b>	<b>247.9</b>
<b>Consolidometer No.</b>	<b>G1418</b>
<b>1 Division (in)</b>	<b>0.0001</b>
<b>Start Date</b>	<b>12/3/13</b>
<b>Start Time</b>	<b>18:09:11</b>

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>233.9</b>
0.10	246.0
0.20	246.8
0.25	246.9
0.30	247.0
0.35	247.0
0.50	247.1
0.60	247.2
1.10	247.3
2.35	247.3
4.10	247.4
9.10	247.4
16.12	247.5
25.12	247.5
36.12	247.5
49.12	247.5
64.12	247.6
81.12	247.6
100.12	247.6
121.12	247.7
144.12	247.7
180.12	247.7
300.12	247.7
520.12	247.8
700.13	247.9
900.12	247.9



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



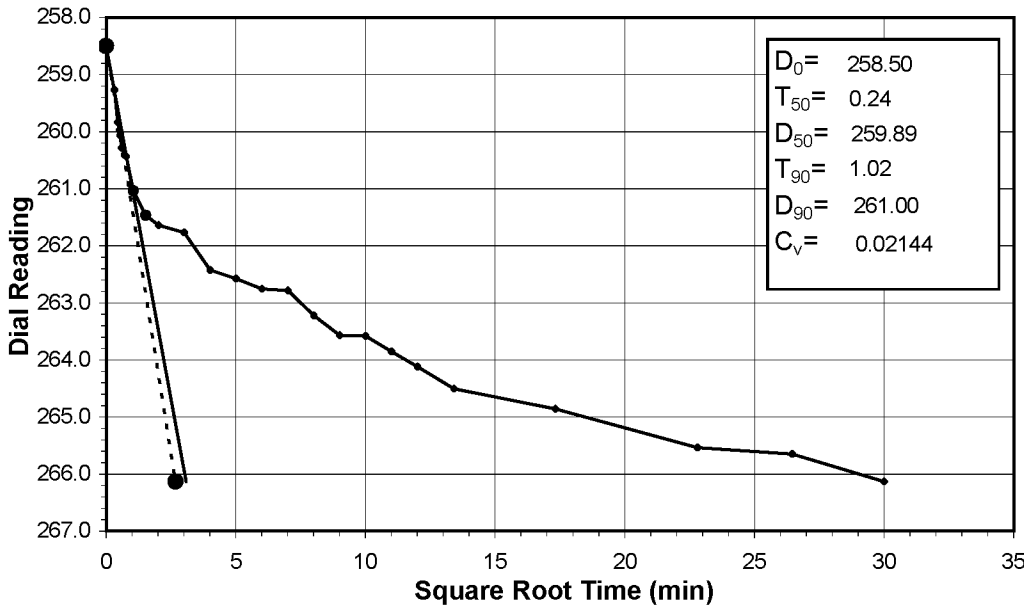
## ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-040

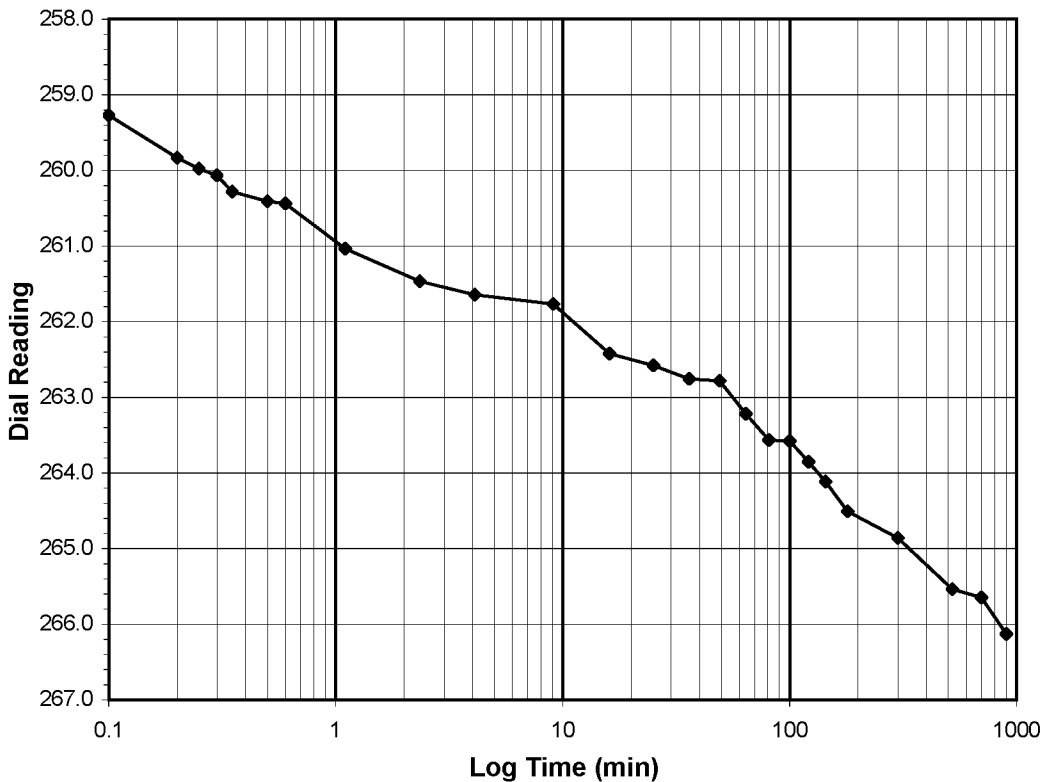
Boring No. R-6-1b  
 Depth (ft) 402.8-403.0  
 Sample No. ST-82  
 Visual Description Gray Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



<b>Test Load (tsf)</b>	<b>0.5-1.0</b>
<b>Final Reading (div)</b>	<b>266.1</b>
Consolidometer No.	<b>G1418</b>
1 Division (in)	0.0001
Start Date	12/4/13
Start Time	9:09:18

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>247.9</b>
0.10	259.3
0.20	259.8
0.25	260.0
0.30	260.1
0.35	260.3
0.50	260.4
0.60	260.4
1.10	261.0
2.35	261.5
4.10	261.6
9.10	261.8
16.10	262.4
25.10	262.6
36.12	262.8
49.12	262.8
64.12	263.2
81.12	263.6
100.12	263.6
121.12	263.9
144.12	264.1
180.12	264.5
300.12	264.9
520.12	265.5
700.12	265.6
900.05	266.1



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

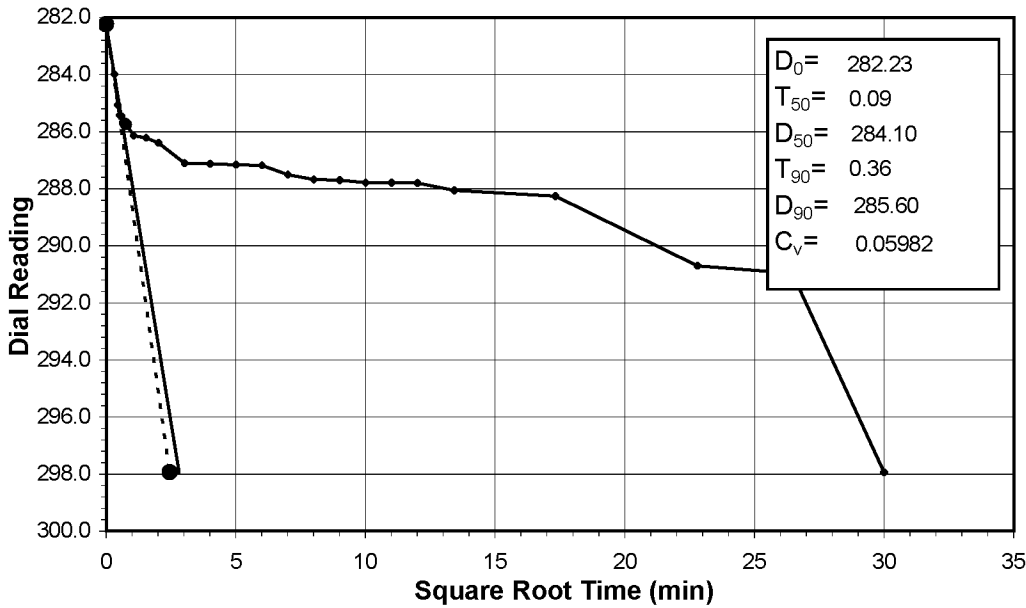
## ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-040

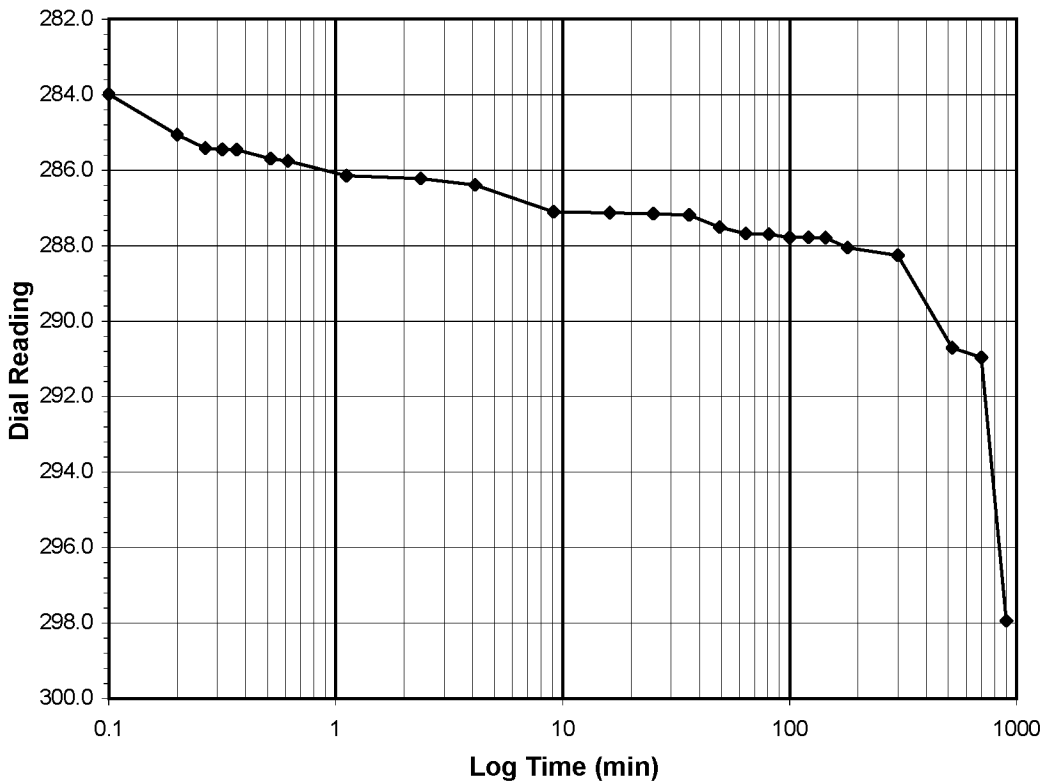
Boring No. R-6-1b  
 Depth (ft) 402.8-403.0  
 Sample No. ST-82  
 Visual Description Gray Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



<b>Test Load (tsf)</b>	<b>1.0-2.0</b>
<b>Final Reading (div)</b>	<b>297.9</b>
Consolidometer No.	<b>G1418</b>
1 Division (in)	0.0001
Start Date	12/5/13
Start Time	0:09:21

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>266.1</b>
0.10	284.0
0.20	285.1
0.27	285.4
0.32	285.4
0.37	285.5
0.52	285.7
0.62	285.8
1.12	286.1
2.37	286.2
4.12	286.4
9.12	287.1
16.12	287.1
25.12	287.2
36.12	287.2
49.12	287.5
64.12	287.7
81.13	287.7
100.13	287.8
121.13	287.8
144.13	287.8
180.13	288.1
300.13	288.3
520.13	290.7
700.13	291.0
900.15	297.9



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

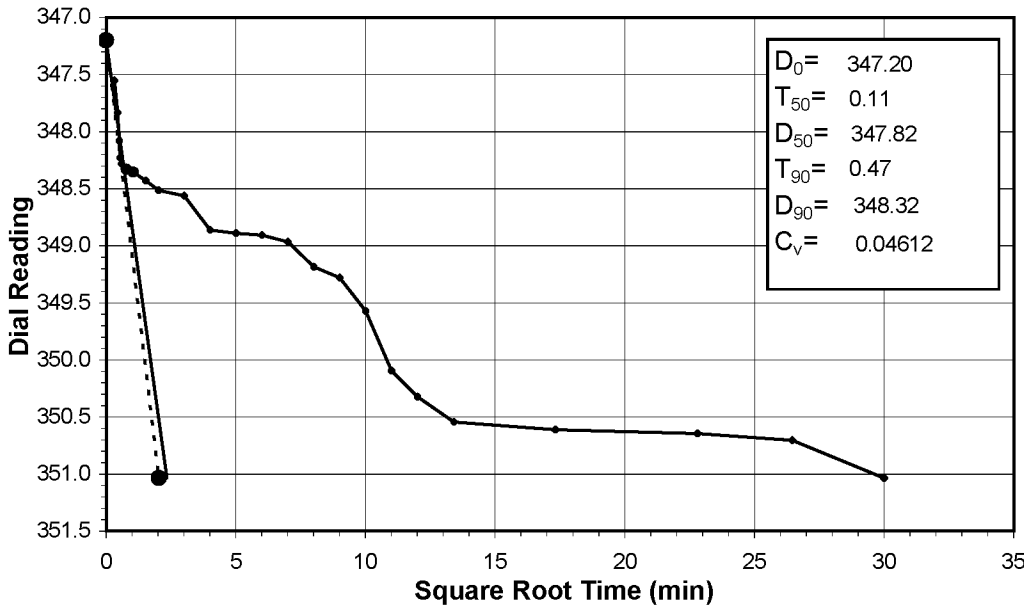
## ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-040

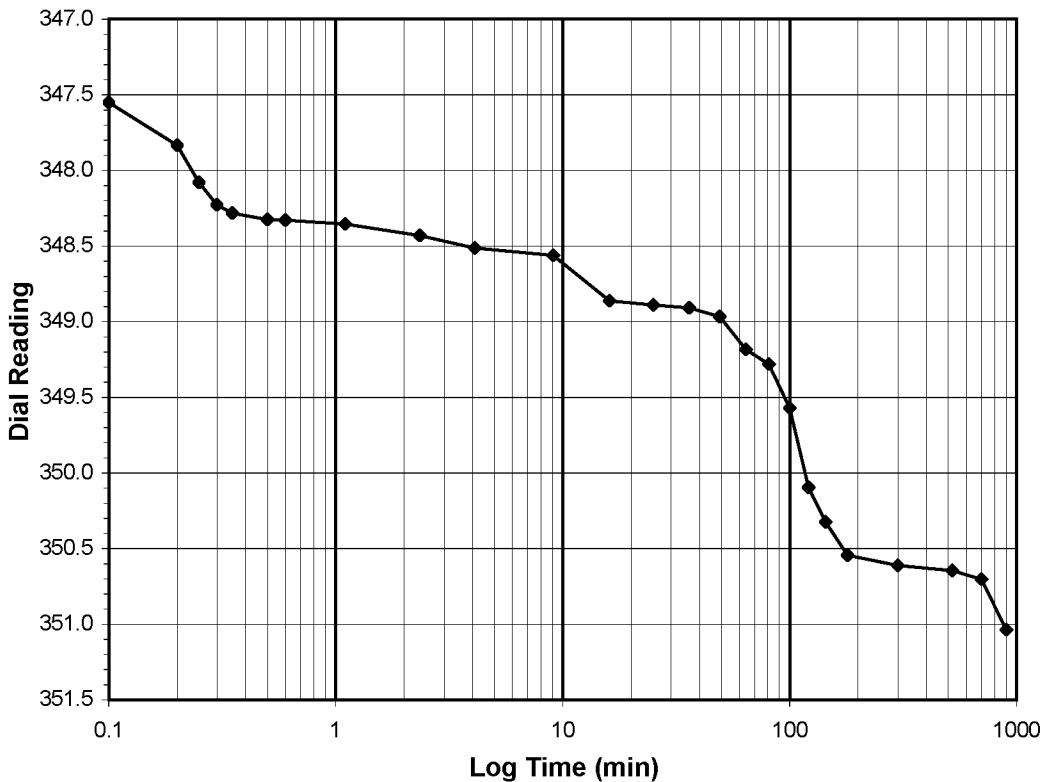
Boring No. R-6-1b  
 Depth (ft) 402.8-403.0  
 Sample No. ST-82  
 Visual Description Gray Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



<b>Test Load (tsf)</b>	<b>2.0-4.0</b>
<b>Final Reading (div)</b>	<b>351.0</b>
Consolidometer No.	<b>G1418</b>
1 Division (in)	0.0001
Start Date	12/5/13
Start Time	15:09:30

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>297.9</b>
0.10	347.6
0.20	347.8
0.25	348.1
0.30	348.2
0.35	348.3
0.50	348.3
0.60	348.3
1.10	348.4
2.35	348.4
4.10	348.5
9.10	348.6
16.10	348.9
25.10	348.9
36.12	348.9
49.12	349.0
64.12	349.2
81.12	349.3
100.12	349.6
121.12	350.1
144.12	350.3
180.12	350.5
300.12	350.6
520.12	350.6
700.12	350.7
900.10	351.0



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

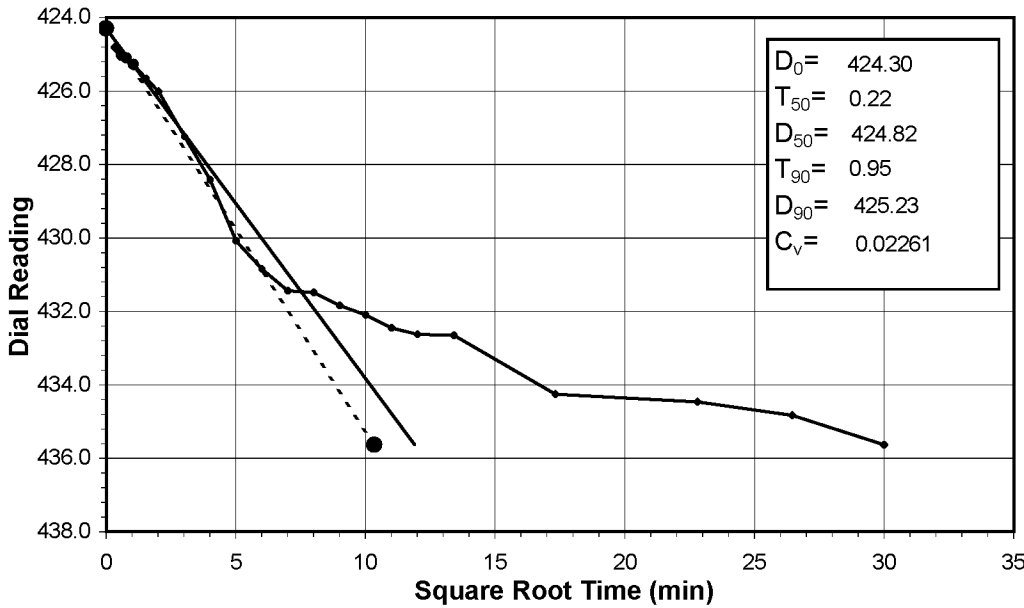
## ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-040

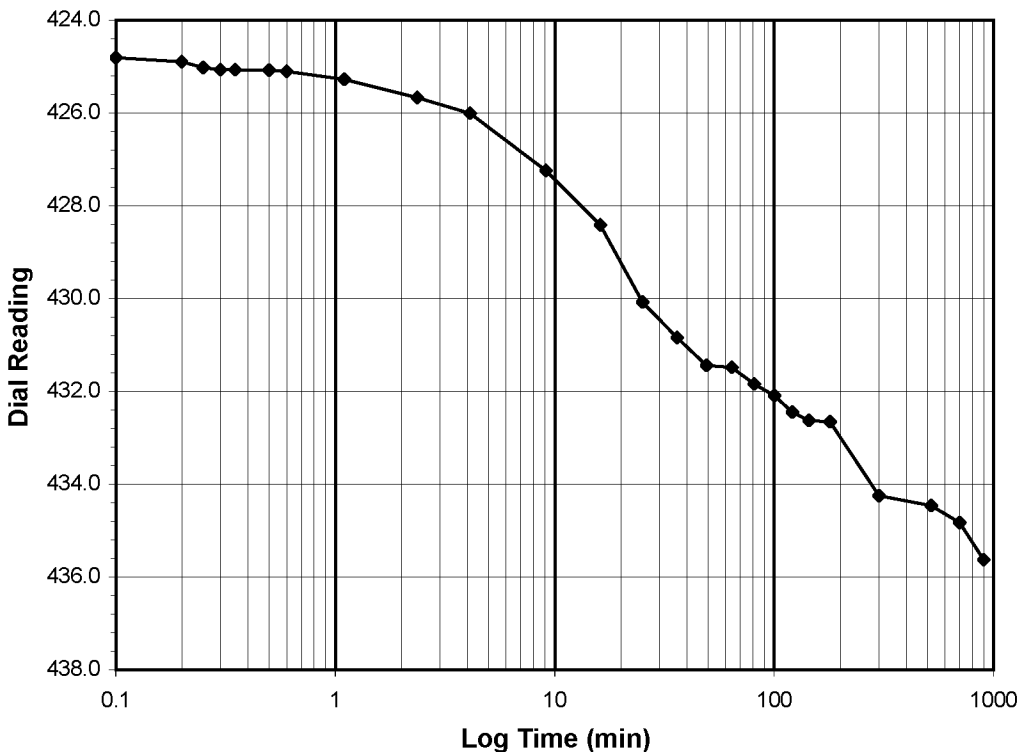
Boring No. R-6-1b  
 Depth (ft) 402.8-403.0  
 Sample No. ST-82  
 Visual Description Gray Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



<b>Test Load (tsf)</b>	<b>4.0-8.0</b>
<b>Final Reading (div)</b>	<b>435.6</b>
Consolidometer No.	<b>G1418</b>
1 Division (in)	<b>0.0001</b>
Start Date	12/6/13
Start Time	6:09:36

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>351.0</b>
0.10	424.8
0.20	424.9
0.25	425.0
0.30	425.1
0.35	425.1
0.50	425.1
0.60	425.1
1.10	425.3
2.37	425.7
4.12	426.0
9.12	427.2
16.12	428.4
25.12	430.1
36.12	430.8
49.12	431.4
64.12	431.5
81.12	431.8
100.12	432.1
121.12	432.5
144.12	432.6
180.12	432.7
300.12	434.2
520.12	434.5
700.12	434.8
900.13	435.6



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

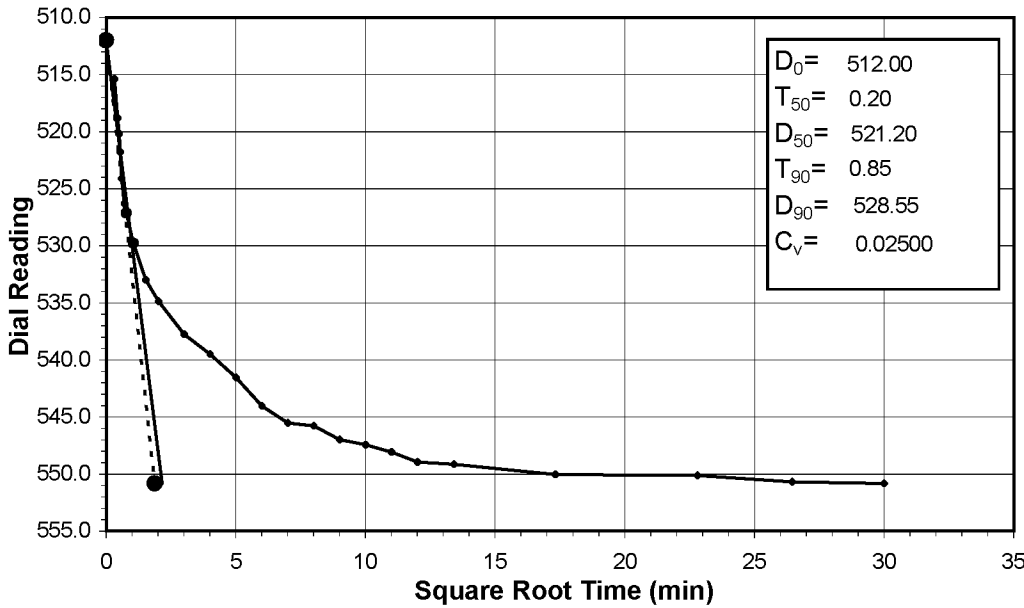
## ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-040

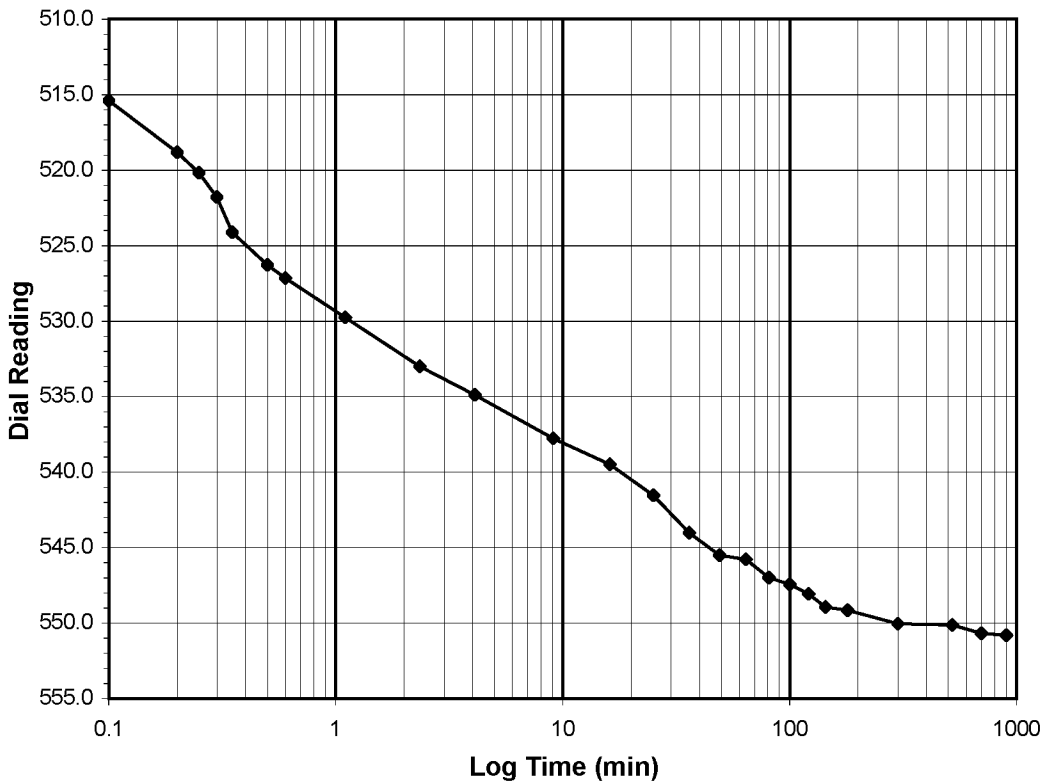
Boring No. R-6-1b  
 Depth (ft) 402.8-403.0  
 Sample No. ST-82  
 Visual Description Gray Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



<b>Test Load (tsf)</b>	<b>8.0-16.0</b>
<b>Final Reading (div)</b>	<b>550.8</b>
Consolidometer No.	<b>G1418</b>
1 Division (in)	0.0001
Start Date	12/6/13
Start Time	21:09:44

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>435.6</b>
0.10	515.4
0.20	518.8
0.25	520.2
0.30	521.8
0.35	524.1
0.50	526.3
0.60	527.1
1.10	529.8
2.35	533.0
4.10	534.9
9.10	537.8
16.12	539.5
25.12	541.5
36.12	544.0
49.12	545.5
64.12	545.8
81.12	547.0
100.12	547.4
121.12	548.1
144.12	548.9
180.12	549.1
300.12	550.0
520.12	550.1
700.12	550.7
900.05	550.8



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

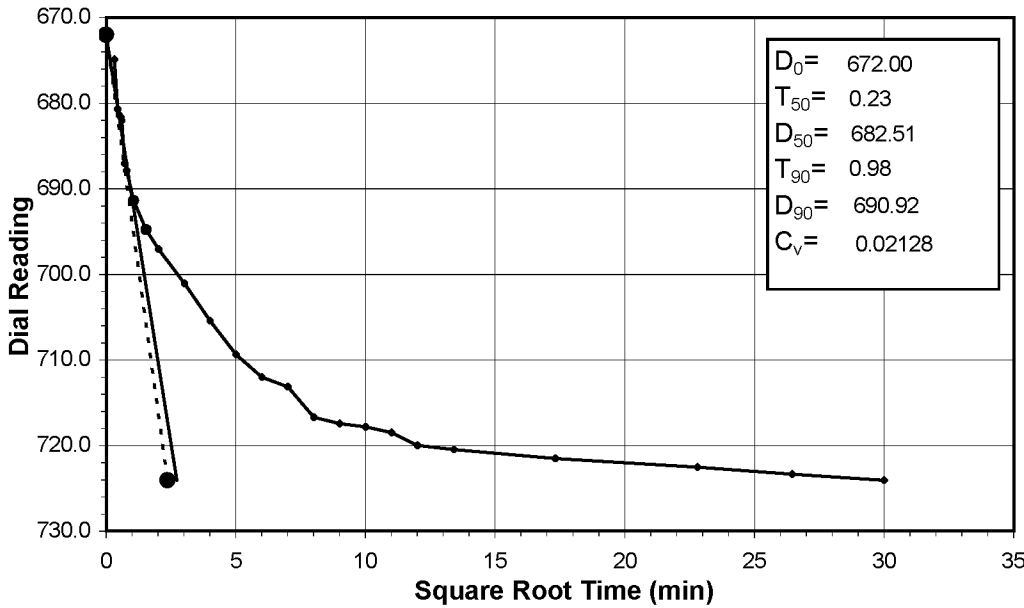
## ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-040

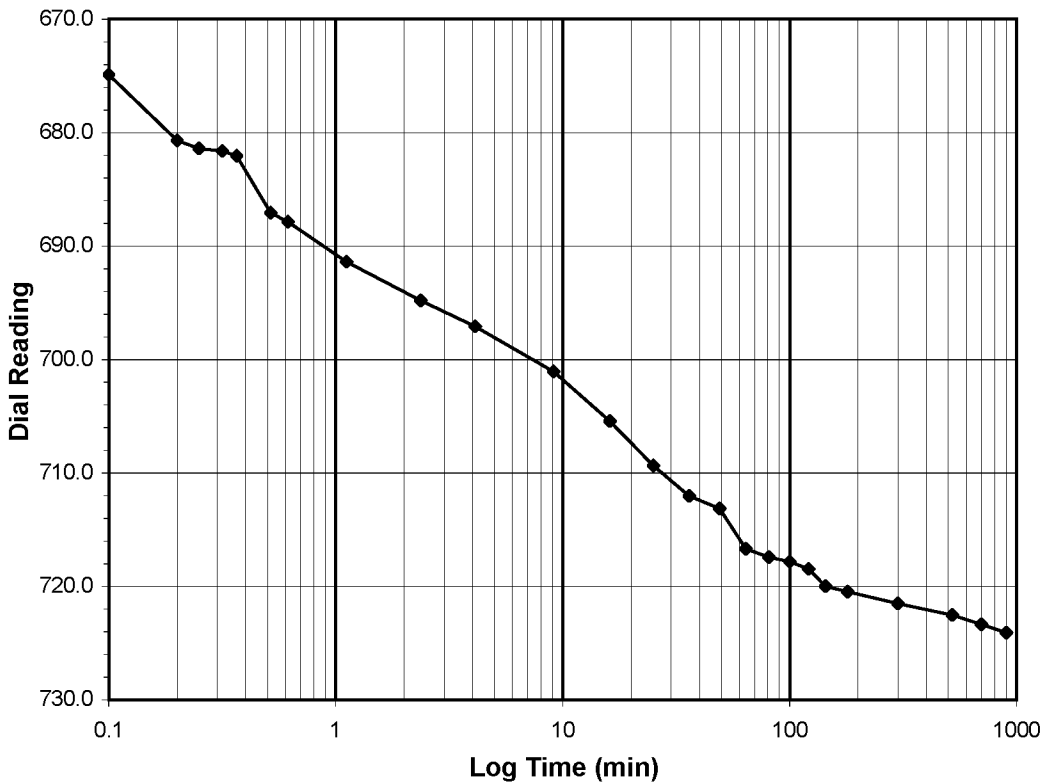
Boring No. R-6-1b  
 Depth (ft) 402.8-403.0  
 Sample No. ST-82  
 Visual Description Gray Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



<b>Test Load (tsf)</b>	<b>16.0-32.0</b>
<b>Final Reading (div)</b>	<b>724.1</b>
<b>Consolidometer No.</b>	<b>G1418</b>
<b>1 Division (in)</b>	<b>0.0001</b>
<b>Start Date</b>	<b>12/7/13</b>
<b>Start Time</b>	<b>12:09:47</b>

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>550.8</b>
0.10	674.9
0.20	680.7
0.25	681.4
0.32	681.6
0.37	682.0
0.52	687.1
0.62	687.9
1.12	691.4
2.37	694.8
4.12	697.1
9.12	701.1
16.12	705.4
25.12	709.4
36.12	712.0
49.12	713.1
64.12	716.7
81.12	717.4
100.12	717.8
121.12	718.5
144.12	720.0
180.12	720.5
300.12	721.5
520.12	722.5
700.12	723.3
900.20	724.1



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

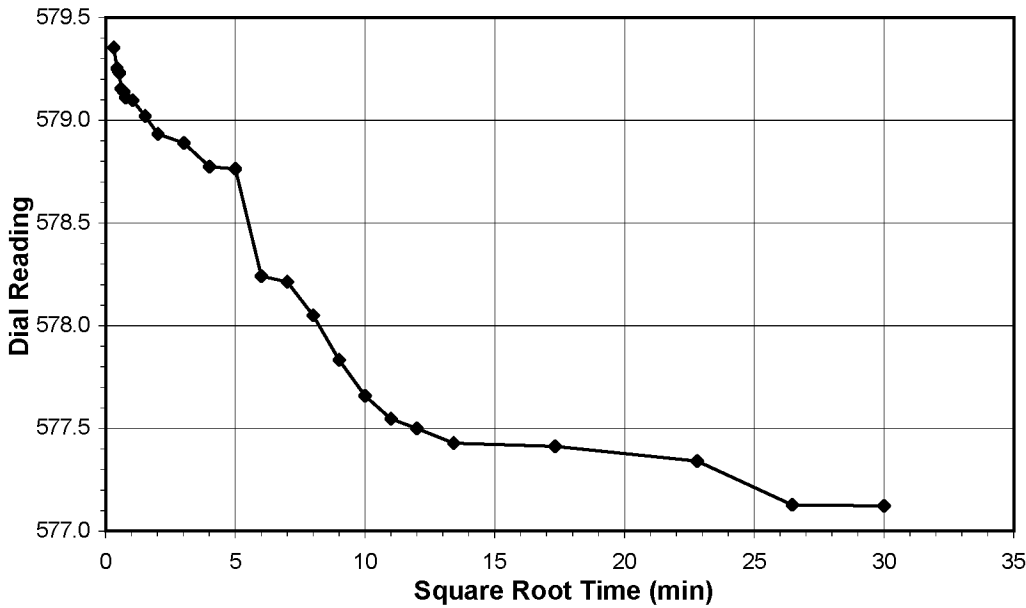
## ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-040

Boring No. R-6-1b  
 Depth (ft) 402.8-403.0  
 Sample No. ST-82  
 Visual Description Gray Sand

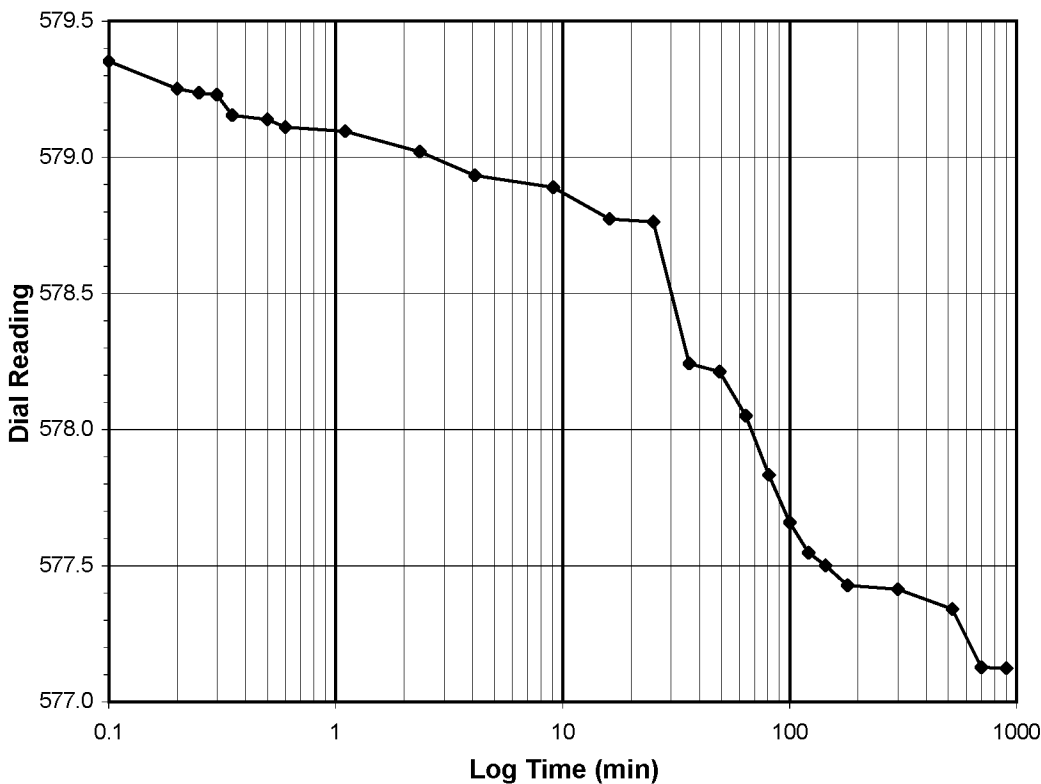
**Sample Conditions:** Undisturbed, Inundated And Double Drained



**Test Load (tsf)** 32.0-8.0  
**Final Reading (div)** 577.1  
 Consolidometer No. **G1418**  
 1 Division (in) 0.0001

Start Date 12/8/13  
 Start Time 3:09:59

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>724.1</b>
0.10	579.4
0.20	579.3
0.25	579.2
0.30	579.2
0.35	579.2
0.50	579.2
0.60	579.1
1.10	579.1
2.35	579.0
4.10	578.9
9.10	578.9
16.10	578.8
25.10	578.8
36.10	578.2
49.10	578.2
64.12	578.1
81.12	577.8
100.12	577.7
121.12	577.5
144.12	577.5
180.12	577.4
300.12	577.4
520.12	577.3
700.12	577.1
900.02	577.1



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

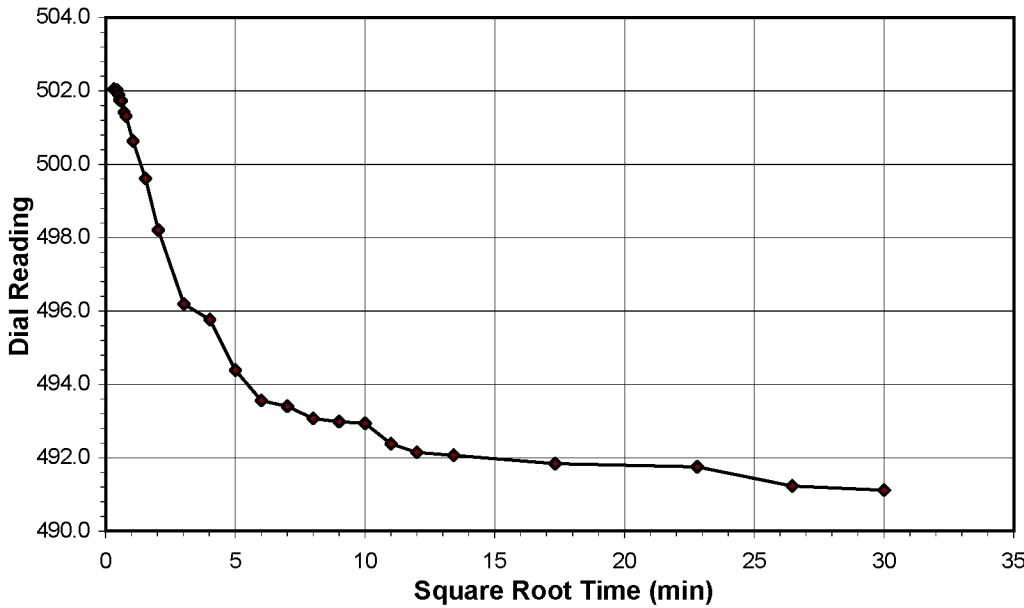
## ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-040

Boring No. R-6-1b  
 Depth (ft) 402.8-403.0  
 Sample No. ST-82  
 Visual Description Gray Sand

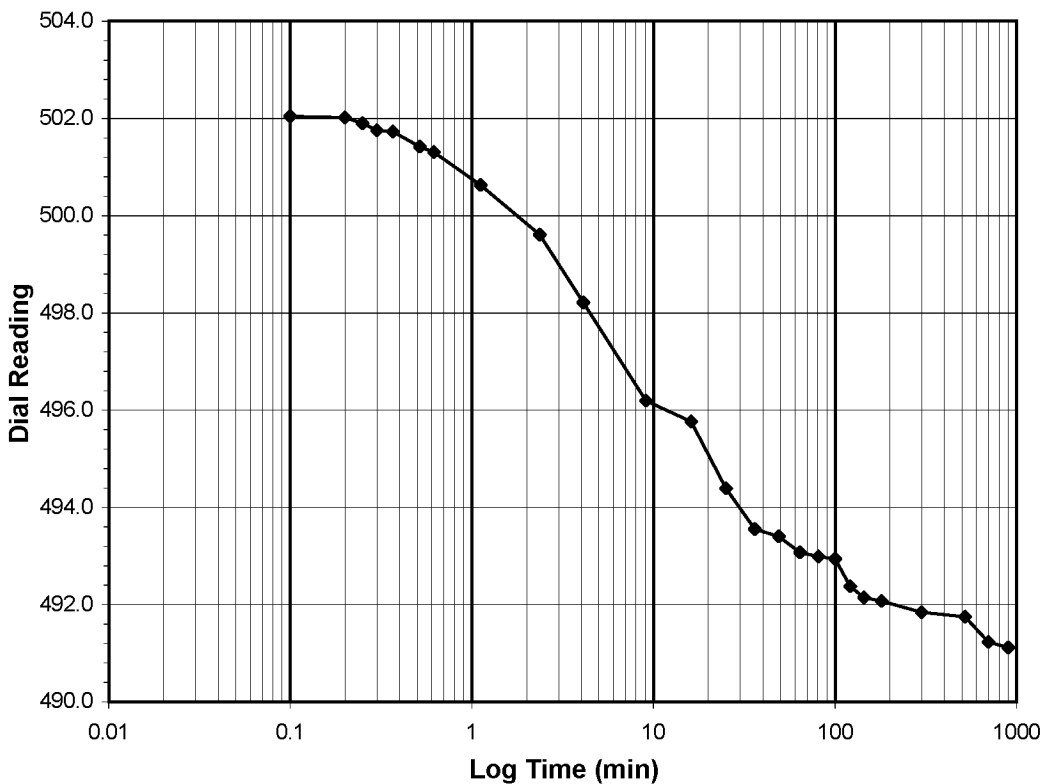
**Sample Conditions:** Undisturbed, Inundated And Double Drained



**Test Load (tsf)** 8.0-2.0  
**Final Reading (div)** 491.1  
 Consolidometer No. **G1418**  
 1 Division (in) 0.0001

**Start Date** 12/8/13  
**Start Time** 18:10:00

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>577.1</b>
0.10	502.0
0.20	502.0
0.25	501.9
0.30	501.8
0.37	501.7
0.52	501.4
0.62	501.3
1.12	500.6
2.37	499.6
4.12	498.2
9.12	496.2
16.12	495.8
25.12	494.4
36.12	493.6
49.12	493.4
64.12	493.1
81.12	493.0
100.12	492.9
121.13	492.4
144.13	492.1
180.13	492.1
300.13	491.8
520.13	491.8
700.13	491.2
900.20	491.1



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



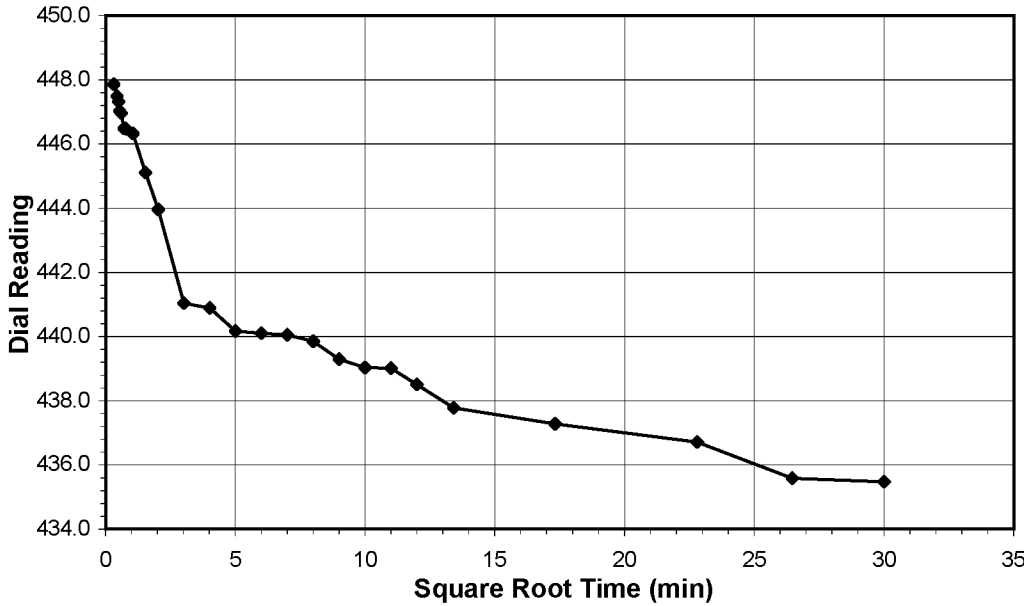
## ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-040

Boring No. R-6-1b  
 Depth (ft) 402.8-403.0  
 Sample No. ST-82  
 Visual Description Gray Sand

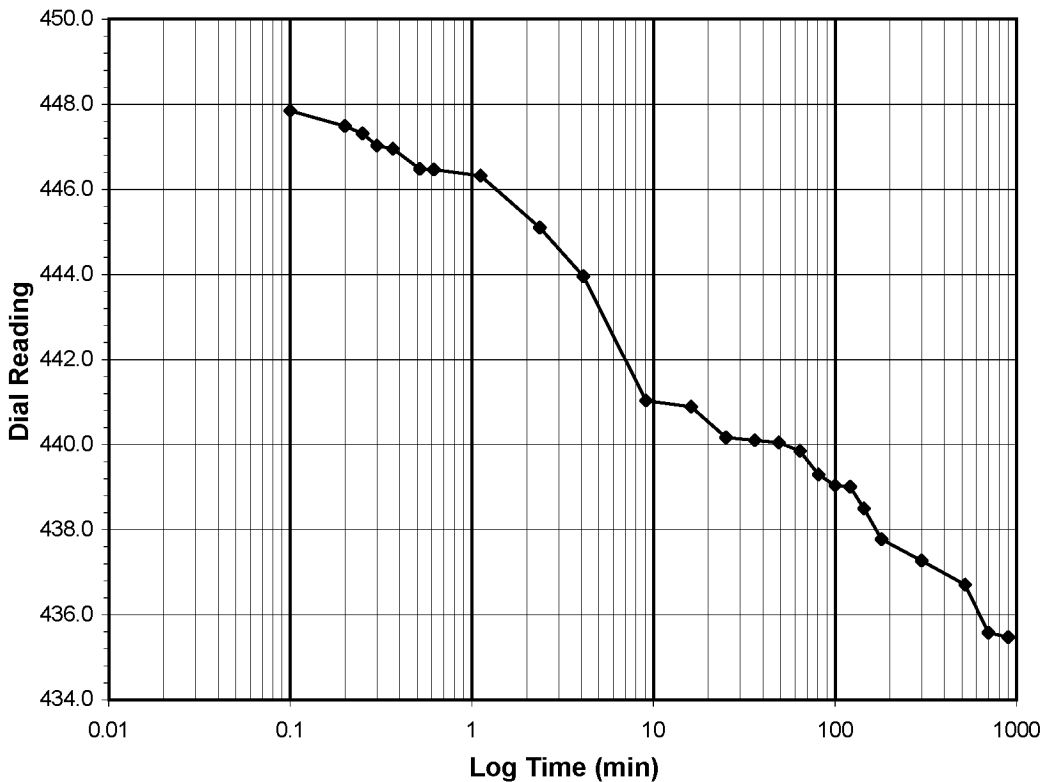
**Sample Conditions:** Undisturbed, Inundated And Double Drained



**Test Load (tsf)** 2.0-0.5  
**Final Reading (div)** 435.5  
 Consolidometer No. G1418  
 1 Division (in) 0.0001

Start Date 12/9/13  
 Start Time 9:10:12

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>491.1</b>
0.10	447.9
0.20	447.5
0.25	447.3
0.30	447.0
0.37	447.0
0.52	446.5
0.62	446.5
1.12	446.3
2.37	445.1
4.12	444.0
9.12	441.0
16.12	440.9
25.12	440.2
36.12	440.1
49.12	440.1
64.12	439.9
81.13	439.3
100.13	439.0
121.13	439.0
144.13	438.5
180.13	437.8
300.13	437.3
520.13	436.7
700.13	435.6
900.13	435.5



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)	402.8-403.0
Project No.	2013-465-001	Sample No.	ST-82
Lab ID	2013-465-001-040	Visual Description	Gray Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained**Consolidometer No.** G1418**1 Division** = 0.0001 (in)

<u>Sample Properties</u>	<u>Initial</u>	<u>Final</u>	<u>Test Data Summary</u>							
<i>Water Content</i>			<b>Applied Pressure</b>	<b>Final Dial Reading</b>	<b>Machine Deflection</b>	<b>Corrected Reading</b>	<b>Height of Sample</b>	<b>Volume</b>	<b>Dry Density</b>	<b>Void Ratio</b>
Tare Number	2702	2670	(tsf)	(div)	(div)	(div)	(mm)	(cm <sup>3</sup> )	(g/cm <sup>3</sup> )	
Wt. Tare & WS (g)	135.40	152.70	Seating	0	0	0	25.400	80.440	1.46663	<b>0.77277</b>
Wt. Tare & DS (g)	113.52	123.40	0.25	53.2	17.6	35.6	25.310	80.154	1.47187	<b>0.76646</b>
Wt. Water (g)	21.88	29.30	0.5	104.7	27.0	77.7	25.203	79.815	1.47811	<b>0.75900</b>
Wt. Tare (g)	6.61	6.69	1	157.0	40.4	116.7	25.104	79.501	1.48394	<b>0.75209</b>
Wt. DS (g)	106.91	116.71	2	227.1	66.6	160.5	24.992	79.148	1.49056	<b>0.74431</b>
Water Content (%)	20.47	25.10	4	326.8	97.5	229.3	24.818	78.595	1.50105	<b>0.73212</b>
<b><u>Sample Parameters</u></b>			1	275.8	58.5	217.4	24.848	78.691	1.49922	<b>0.73424</b>
Sample Diameter (in)	2.5	2.5	0.25	233.9	28.5	205.4	24.878	78.788	1.49738	<b>0.73637</b>
Sample Height (in)	1.0000	0.9618	0.5	247.9	33.9	214.0	24.856	78.719	1.49870	<b>0.73484</b>
Sample Volume (cm <sup>3</sup> )	80.44	77.37	1	266.1	48.4	217.7	24.847	78.689	1.49927	<b>0.73418</b>
Wt. Wet Sample + Ring (g)	353.93	359.40	2	297.9	68.5	229.4	24.817	78.594	1.50107	<b>0.73210</b>
Wt. of Ring (g)	211.81	211.81	4	351.0	97.9	253.2	24.757	78.403	1.50472	<b>0.72789</b>
Wt. of Wet Sample (g)	142.12	147.59	8	435.6	129.5	306.1	24.622	77.977	1.51294	<b>0.71851</b>
Wet Density (pcf)	110.25	119.04	16	550.8	176.6	374.2	24.450	77.430	1.52364	<b>0.70644</b>
Wet Density (g/cm <sup>3</sup> )	1.77	1.91	32	724.1	251.4	472.7	24.199	76.638	1.53939	<b>0.68898</b>
Water Content (%)	20.47	25.10	8	577.1	142.9	434.2	24.297	76.947	1.53320	<b>0.69580</b>
Wt. of Dry Sample (g)	117.98	117.98	2	491.1	89.7	401.4	24.380	77.211	1.52797	<b>0.70161</b>
Dry Density (pcf)	91.52	95.15	0.5	435.5	53.4	382.1	24.429	77.366	1.52490	<b>0.70503</b>
Dry Density (g/cm <sup>3</sup> )	1.47	1.52								
Void Ratio	0.7728	0.7050								
Saturation (%)	68.86	92.58								
Specific Gravity	2.60	Measured								
			<b>Tested By</b>	<b>DB</b>	<b>Date</b>	<b>11/29/13</b>	<b>Input Checked By</b>	<b>TM</b>	<b>Date</b>	<b>12/12/13</b>

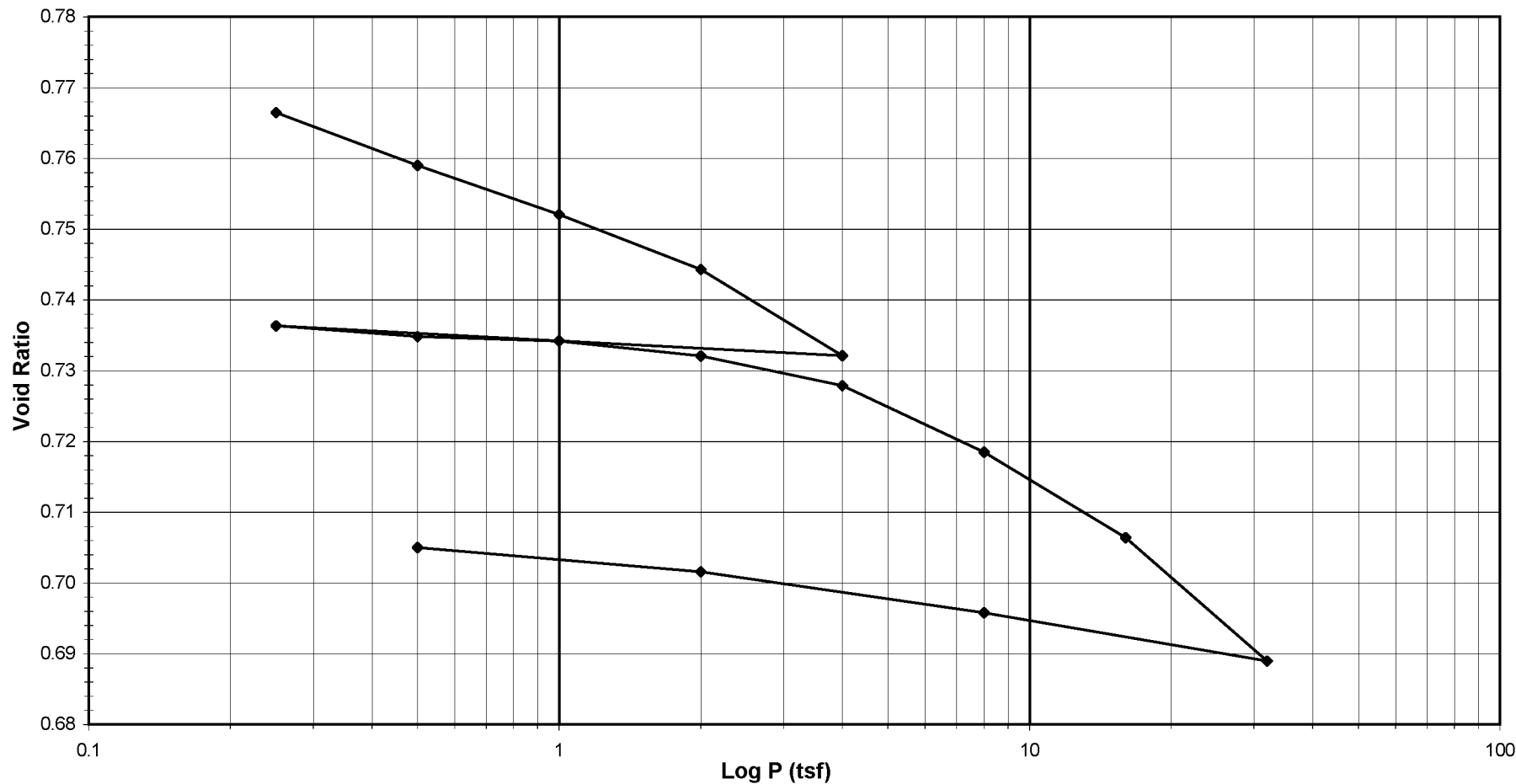
# ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Reference Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-040

Boring No. R-6-1b  
 Depth (ft) 402.8-403.0  
 Sample No. ST-82  
 Visual Description Gray 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)	402.8-403.0
Project No.	2013-465-001	Sample No.	ST-82
Lab ID	2013-465-001-040	Visual Description	Gray Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained**Consolidometer No.** G1418**1 Division** = 0.0001 (in)**C<sub>v</sub> 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<sub>v</sub></u>
			<u>Increment</u>	<u>Reading</u>	<u>Deflection</u>	<u>Dial Reading</u>	<u>Height</u>	<u>t<sub>50</sub></u>	
			(tsf)	@ t <sub>50</sub> (div)	(div)	@ t <sub>50</sub> (div)	@ t <sub>50</sub> (mm)	(min)	(cm <sup>2</sup> /sec)
<i>Water Content</i>									
Tare Number	2702	2670							
Wt. Tare & WS (g)	135.4	152.7							
Wt. Tare & DS (g)	113.52	123.4							
Wt. Water (g)	21.88	29.3	Seating	NA	NA	NA	NA	NA	NA
Wt. Tare (g)	6.61	6.69	0.25	26.6	17.6	8.9	25.38	0.15	0.03522
Wt. DS (g)	106.91	116.71	0.5	102.0	27.0	75.0	25.21	0.19	0.02764
Water Content (%)	20.47	25.10	1	130.9	40.4	90.6	25.17	0.43	0.01218
			2	210.2	66.6	143.7	25.04	0.77	0.00668
			4	288.3	97.5	190.9	24.92	0.13	0.03930
<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	0.9618	0.5	246.5	33.9	212.6	24.86	0.13	0.04063
Sample Volume (cm <sup>3</sup> )	80.44	77.37	1	259.9	48.4	211.4	24.86	0.24	0.02144
Wt. Wet Sample + Ring (g)	353.93	359.40	2	284.1	68.5	215.6	24.85	0.09	0.05982
Wt. of Ring (g)	211.81	211.81	4	347.8	97.9	249.9	24.77	0.11	0.04612
Wt. of Wet Sample (g)	142.12	147.59	8	424.8	129.5	295.3	24.65	0.22	0.02261
Wet Density (pcf)	110.25	119.04	16	521.2	176.6	344.6	24.52	0.20	0.02500
Wet Density (g/cm <sup>3</sup> )	1.77	1.91	32	682.5	251.4	431.1	24.30	0.23	0.02128
Water Content (%)	20.47	25.10	8	NA	NA	NA	NA	NA	NA
Wt. of Dry Sample (g)	117.98	117.98	2	NA	NA	NA	NA	NA	NA
Dry Density (pcf)	91.52	95.15	0.5	NA	NA	NA	NA	NA	NA
Dry Density (g/cm <sup>3</sup> )	1.47	1.52							
Void Ratio	0.7728	0.7050							
Saturation (%)	68.86	92.58							
Specific Gravity	2.60	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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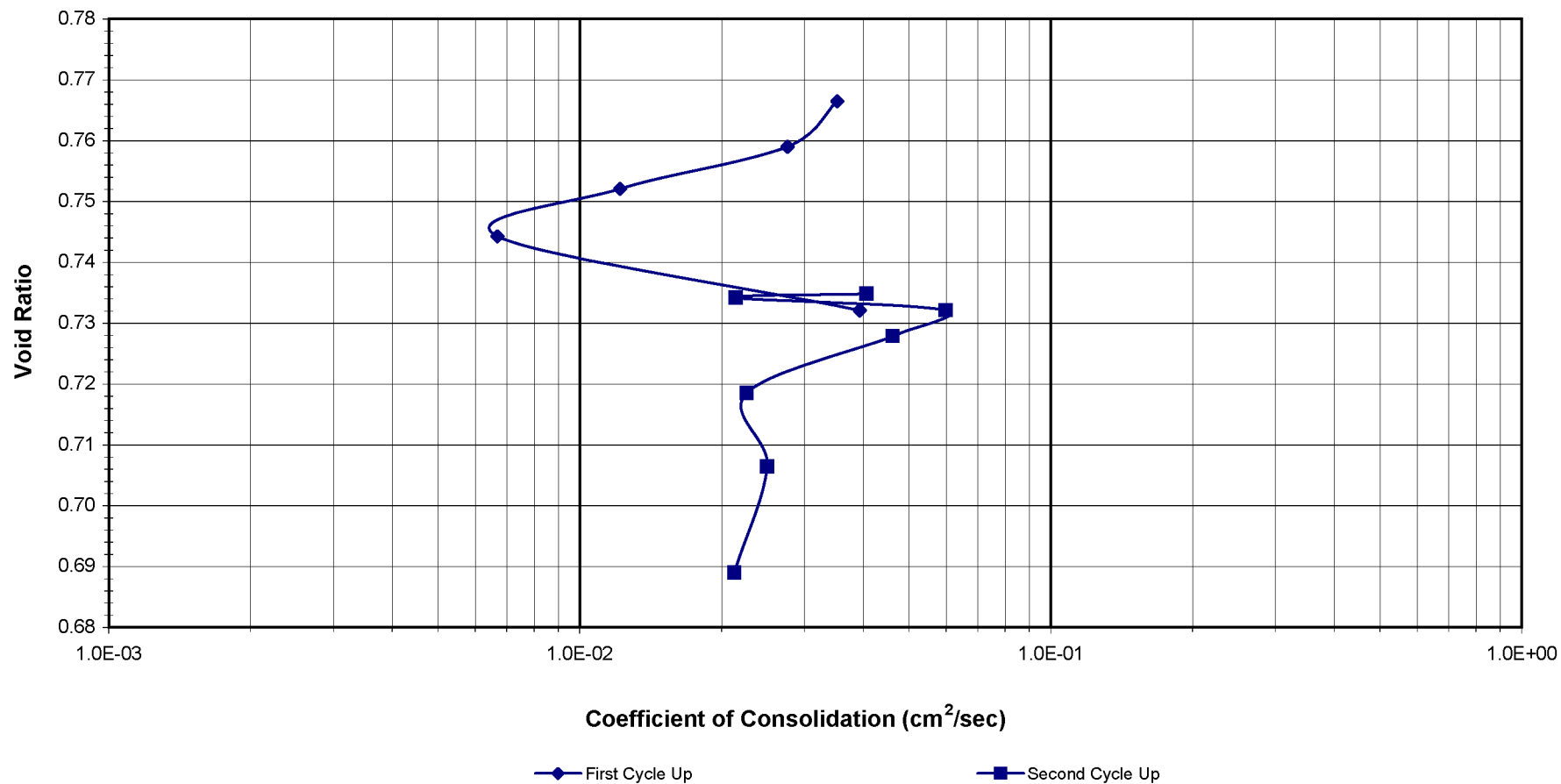
# ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Reference Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-040

Boring No. R-6-1b  
 Depth (ft) 402.8-403.0  
 Sample No. ST-82  
 Visual Description Gray 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) 402.8-403.0
Project No.	2013-465-001	Sample No. ST-82
Lab ID #	2013-465-001-040	

Equipment	Equipment ID#	Calibration Due Date
Calipers	G1122	12/3/13
Balance	G1394	5/15/14
Oven	G1387	8/16/14
Consolidometer	G1418	1/9/14
Load Cell	G1419	1/9/14
LVDT	G1420	1/9/14

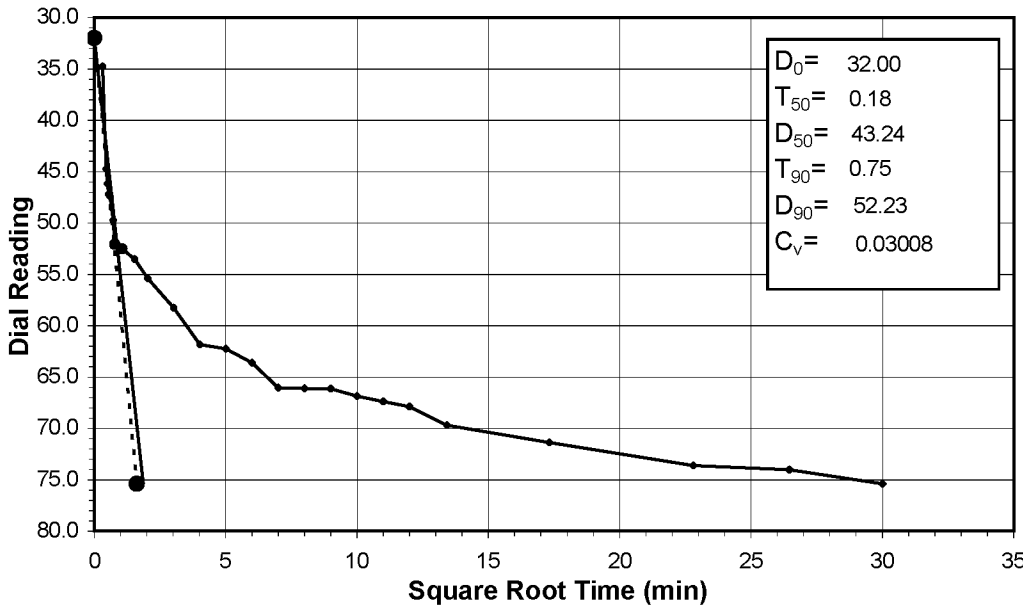
# ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

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

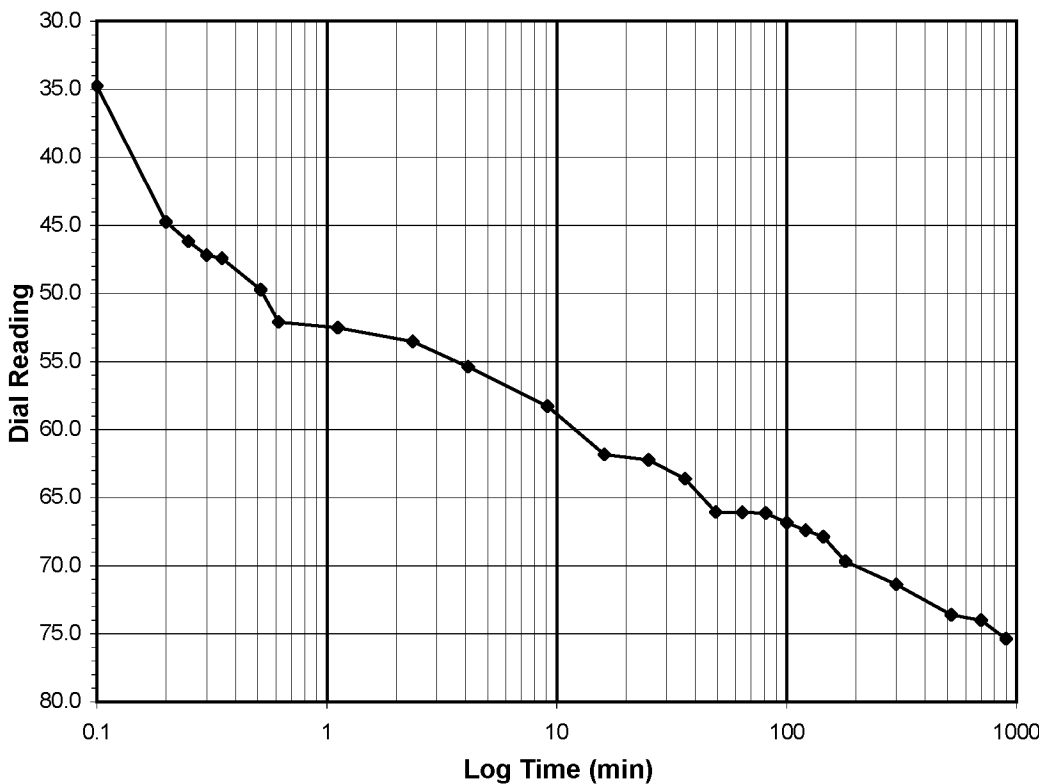
Boring No. R-7-1  
 Depth (ft) 189.4-189.6  
 Sample No. ST-4  
 Visual Description Gray Silty Fine Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



**Test Load (tsf)** 0.0-0.25  
**Final Reading (div)** 75.4  
 Consolidometer No. **G1427**  
 1 Division (in) 0.0001  
 Start Date 11/8/13  
 Start Time 17:09:35

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>0.0</b>
0.10	34.8
0.20	44.7
0.25	46.2
0.30	47.2
0.35	47.4
0.52	49.7
0.62	52.1
1.12	52.5
2.37	53.5
4.12	55.4
9.12	58.3
16.12	61.8
25.12	62.2
36.12	63.6
49.12	66.1
64.12	66.1
81.12	66.1
100.12	66.8
121.12	67.4
144.12	67.9
180.12	69.7
300.12	71.4
520.13	73.6
700.13	74.0
900.25	75.4



Tested By DB Date 11/8/13 Checked By TM Date 12/6/13

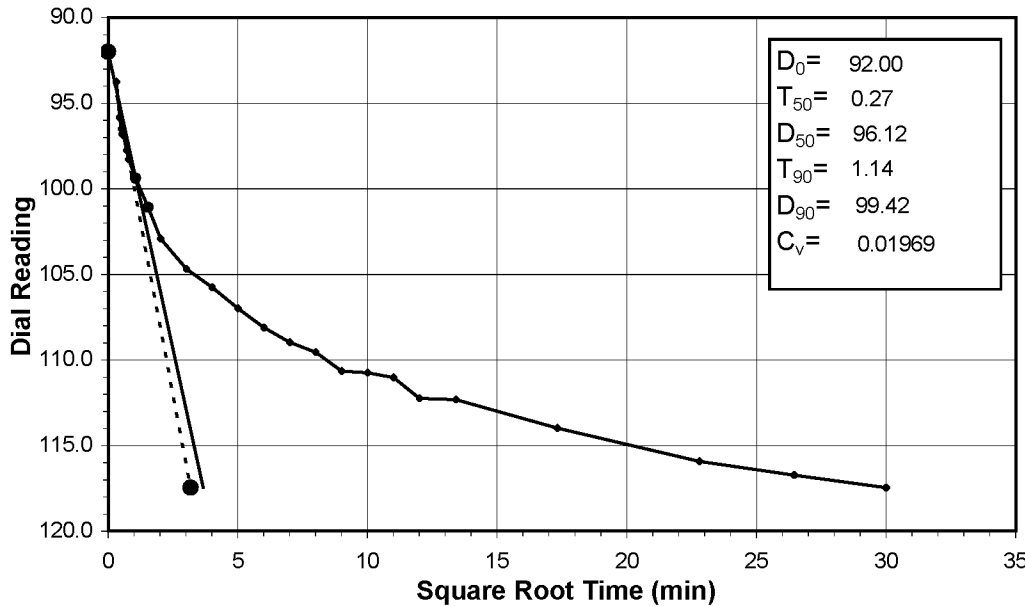
# ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

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

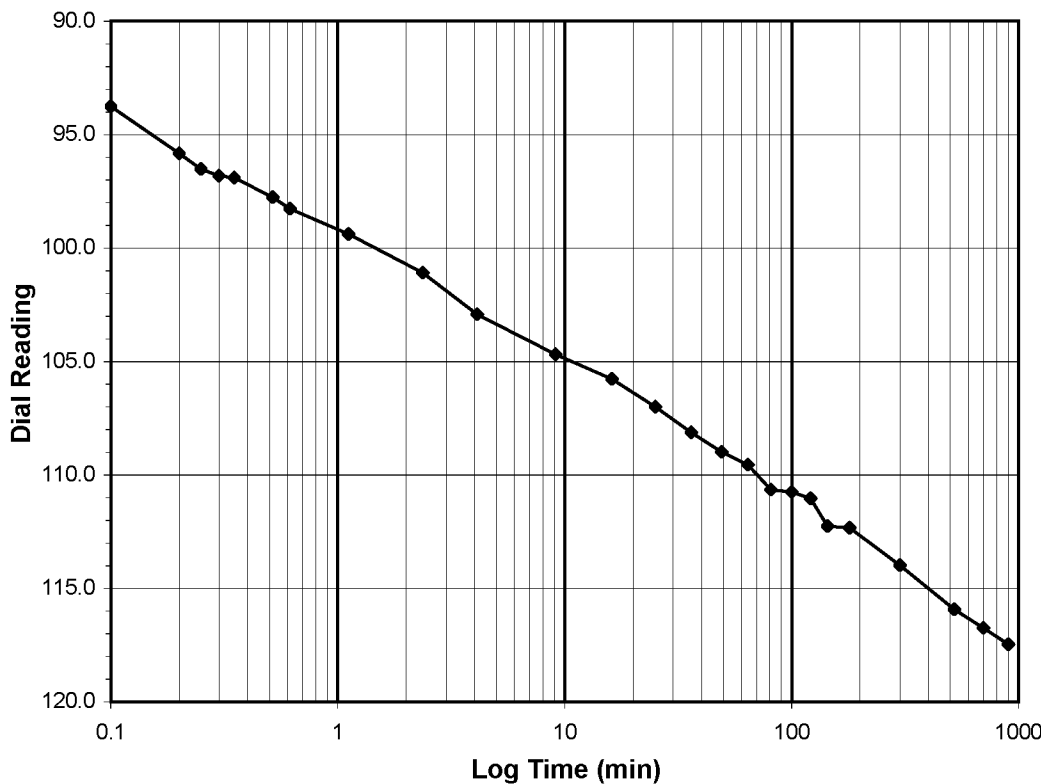
Boring No.: R-7-1  
 Depth (ft): 189.4-189.6  
 Sample No.: ST-4  
 Visual Description: Gray Silty Fine Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



**Test Load (tsf)** 0.25-0.5  
**Final Reading (div)** 117.5  
**Consolidometer No.** G1427  
**1 Division (in)** 0.0001  
**Start Date** 11/9/13  
**Start Time** 8:09:50

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>75.4</b>
0.10	93.8
0.20	95.8
0.25	96.5
0.30	96.8
0.35	96.9
0.52	97.8
0.62	98.3
1.12	99.4
2.37	101.1
4.12	102.9
9.12	104.7
16.12	105.8
25.12	107.0
36.12	108.1
49.12	109.0
64.12	109.6
81.12	110.7
100.12	110.8
121.12	111.0
144.12	112.3
180.12	112.3
300.12	114.0
520.12	115.9
700.12	116.7
900.08	117.5



Tested By DB Date 11/9/13 Checked By TM Date 12/6/13





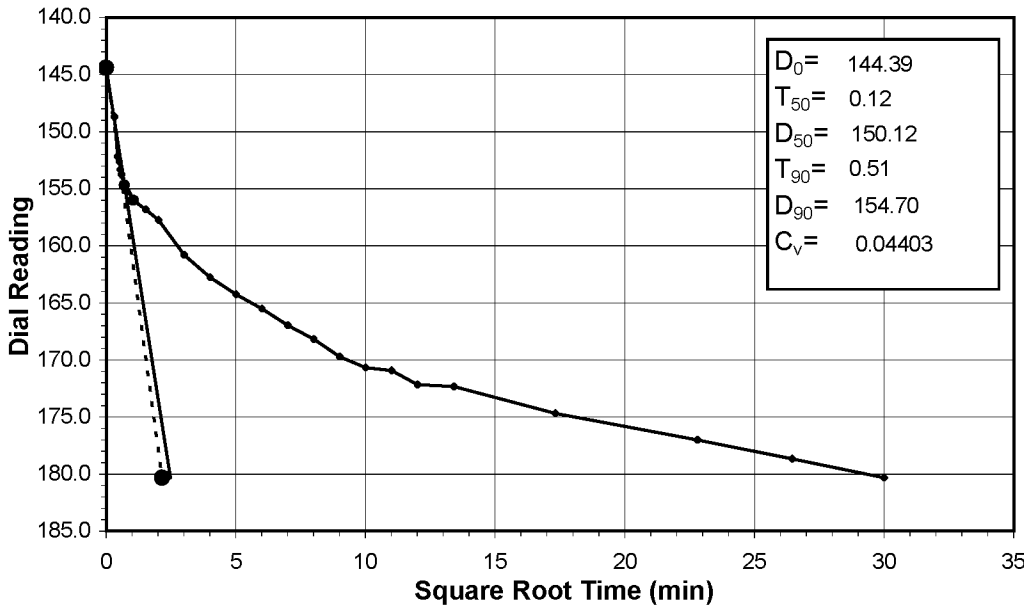
# ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

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

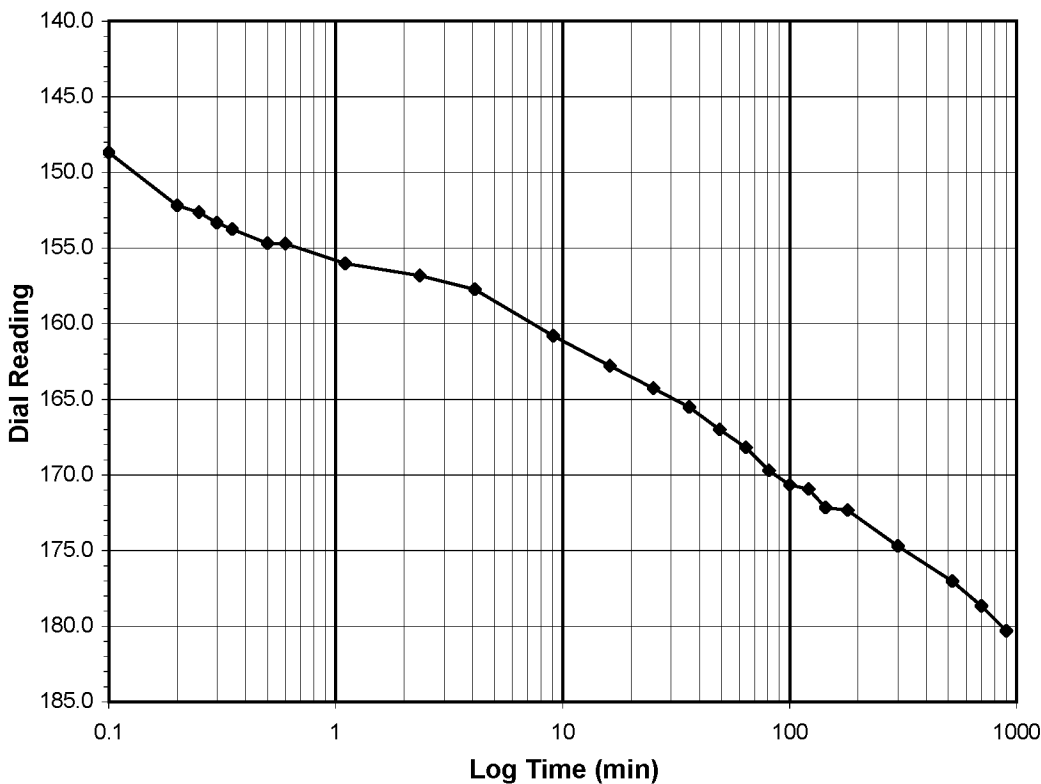
Boring No. R-7-1  
 Depth (ft) 189.4-189.6  
 Sample No. ST-4  
 Visual Description Gray Silty Fine Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



**Test Load (tsf)** 0.5-1.0  
**Final Reading (div)** 180.3  
 Consolidometer No. **G1427**  
 1 Division (in) 0.0001  
 Start Date 11/9/13  
 Start Time 23:09:55

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>117.5</b>
0.10	148.7
0.20	152.2
0.25	152.6
0.30	153.3
0.35	153.8
0.50	154.7
0.60	154.7
1.10	156.0
2.35	156.8
4.10	157.7
9.10	160.8
16.12	162.8
25.12	164.3
36.12	165.5
49.12	167.0
64.12	168.2
81.12	169.7
100.12	170.7
121.12	170.9
144.12	172.2
180.12	172.3
300.12	174.7
520.12	177.0
700.13	178.7
900.08	180.3



Tested By **DB** Date **11/9/13** Checked By **TM** Date **12/6/13**

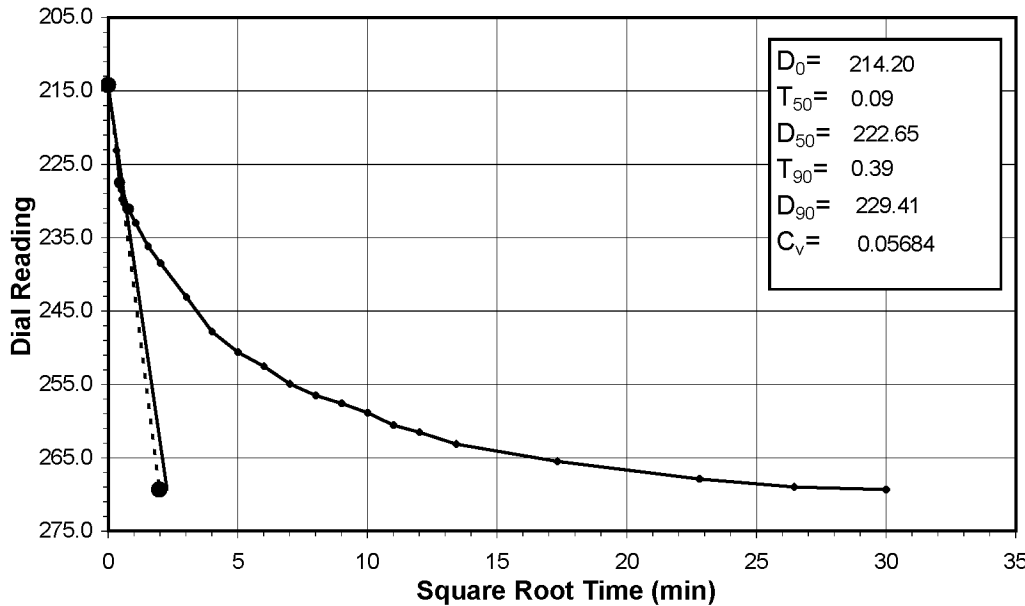
# ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

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

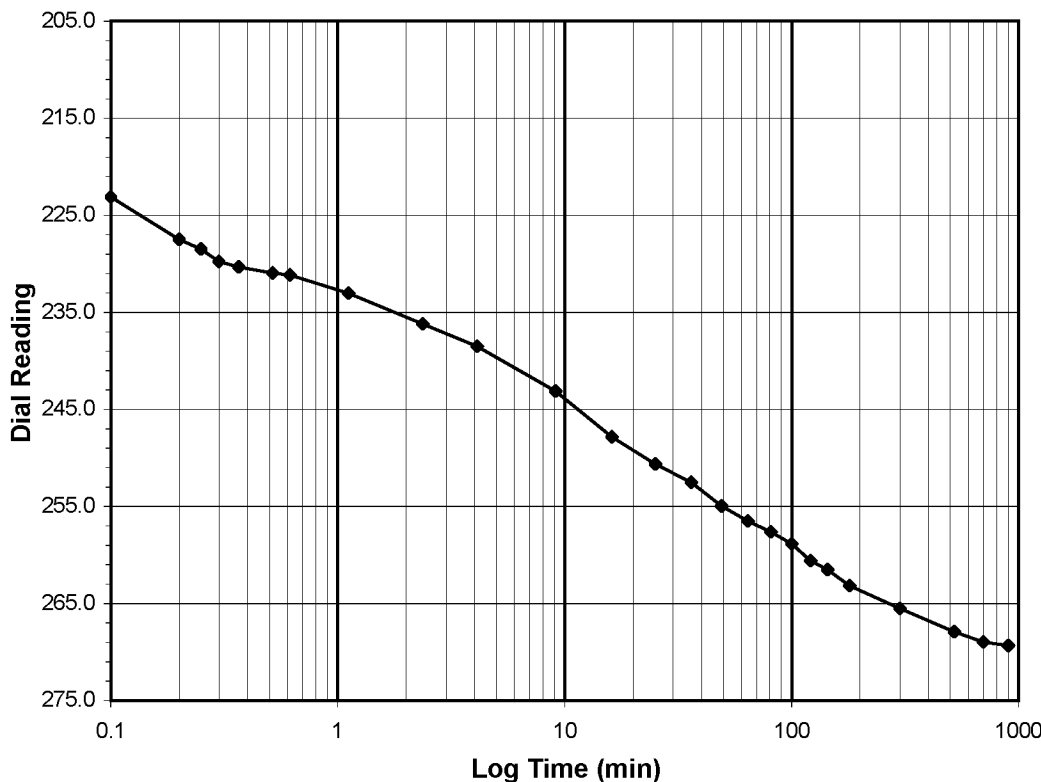
Boring No. R-7-1  
 Depth (ft) 189.4-189.6  
 Sample No. ST-4  
 Visual Description Gray Silty Fine Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



**Test Load (tsf)** 1.0-2.0  
**Final Reading (div)** 269.3  
 Consolidometer No. **G1427**  
 1 Division (in) 0.0001  
 Start Date 11/10/13  
 Start Time 14:10:00

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>180.3</b>
0.10	223.1
0.20	227.5
0.25	228.5
0.30	229.8
0.37	230.3
0.52	231.0
0.62	231.1
1.12	233.0
2.37	236.2
4.12	238.5
9.12	243.1
16.12	247.8
25.12	250.6
36.12	252.5
49.12	254.9
64.13	256.5
81.13	257.6
100.13	258.9
121.13	260.6
144.13	261.5
180.13	263.1
300.13	265.5
520.13	267.9
700.13	269.0
900.25	269.3



Tested By **DB** Date **11/10/13** Checked By **TM** Date **12/6/13**

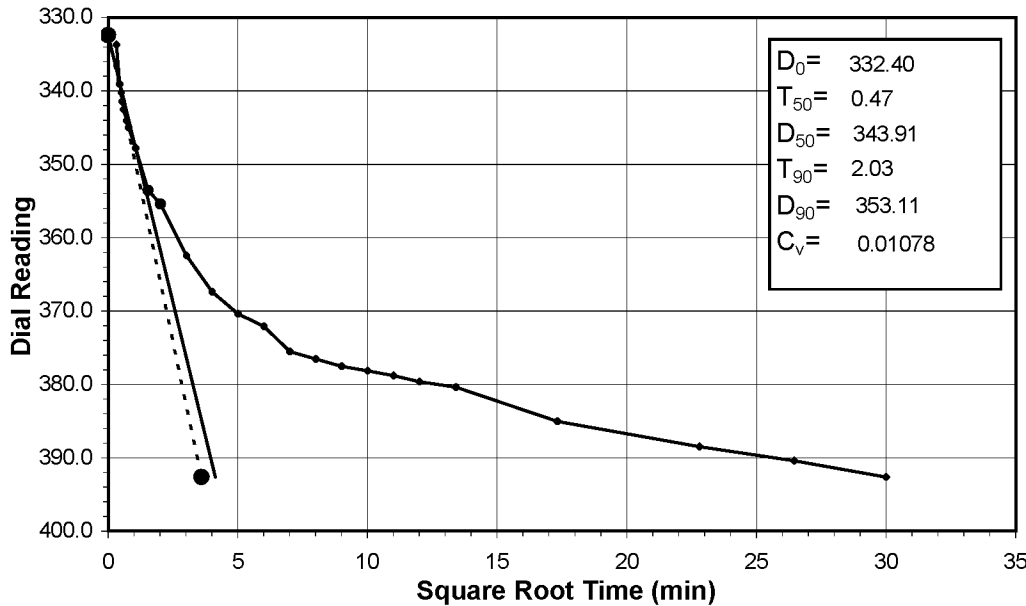
# ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

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

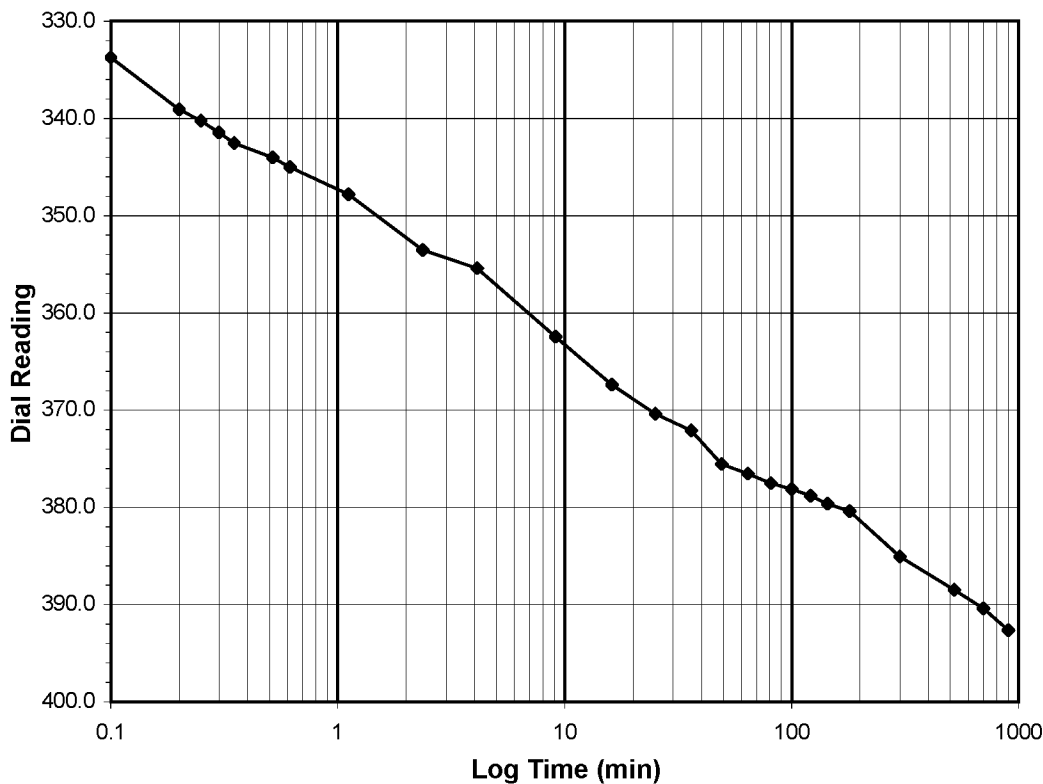
Boring No. R-7-1  
 Depth (ft) 189.4-189.6  
 Sample No. ST-4  
 Visual Description Gray Silty Fine Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



**Test Load (tsf)** 2.0-4.0  
**Final Reading (div)** 392.6  
 Consolidometer No. **G1427**  
 1 Division (in) 0.0001  
 Start Date 11/11/13  
 Start Time 5:10:15

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>269.3</b>
0.10	333.7
0.20	339.1
0.25	340.2
0.30	341.4
0.35	342.5
0.52	344.0
0.62	345.0
1.12	347.8
2.37	353.5
4.12	355.4
9.12	362.5
16.12	367.4
25.12	370.4
36.12	372.1
49.12	375.5
64.12	376.5
81.12	377.5
100.12	378.1
121.12	378.8
144.12	379.6
180.12	380.4
300.12	385.0
520.13	388.5
700.13	390.4
900.20	392.6



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

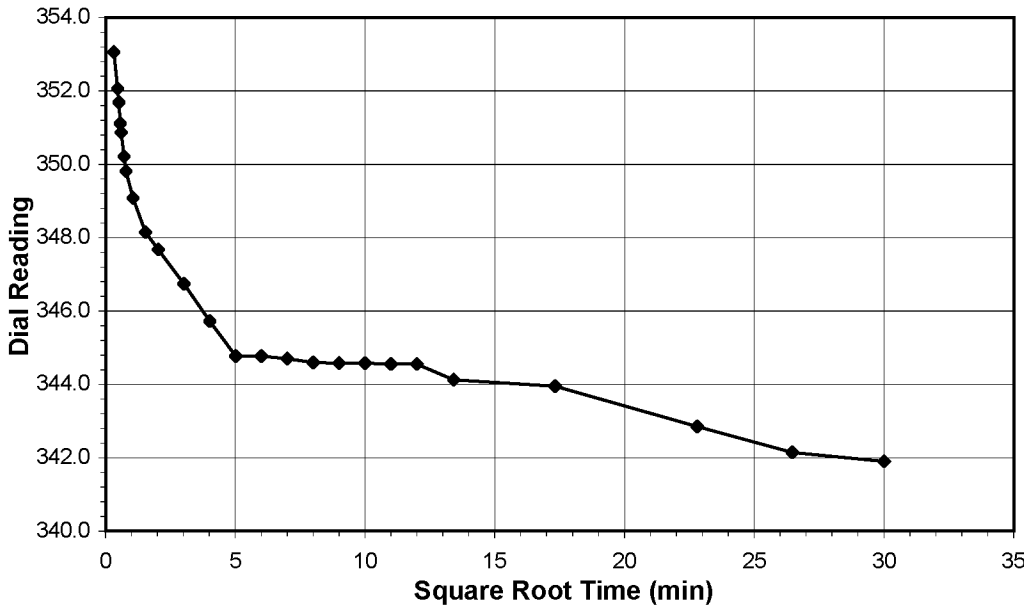
# ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

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

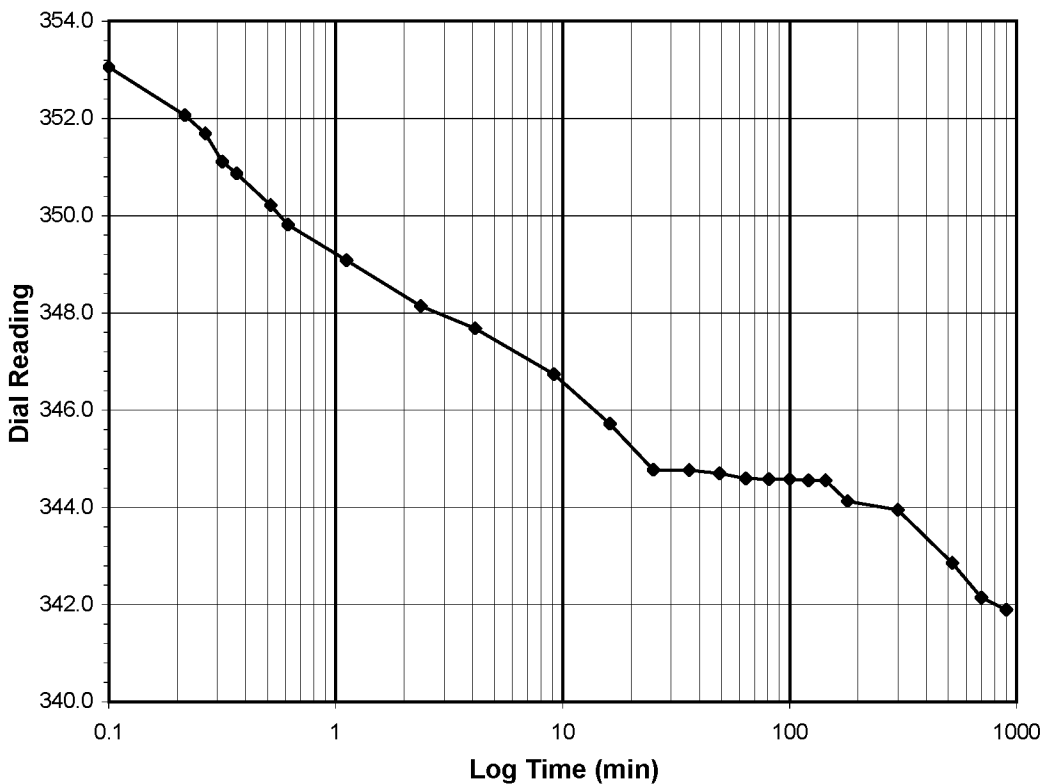
Boring No. R-7-1  
 Depth (ft) 189.4-189.6  
 Sample No. ST-4  
 Visual Description Gray Silty Fine Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



<b>Test Load (tsf)</b>	<b>4.0-1.0</b>
<b>Final Reading (div)</b>	<b>341.9</b>
Consolidometer No.	<b>G1427</b>
1 Division (in)	0.0001
Start Date	11/11/13
Start Time	20:10:27

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>392.6</b>
0.10	353.1
0.22	352.1
0.27	351.7
0.32	351.1
0.37	350.9
0.52	350.2
0.62	349.8
1.12	349.1
2.37	348.1
4.12	347.7
9.13	346.7
16.13	345.7
25.13	344.8
36.13	344.8
49.13	344.7
64.13	344.6
81.13	344.6
100.13	344.6
121.13	344.6
144.13	344.6
180.13	344.1
300.13	343.9
520.13	342.9
700.13	342.1
900.32	341.9



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

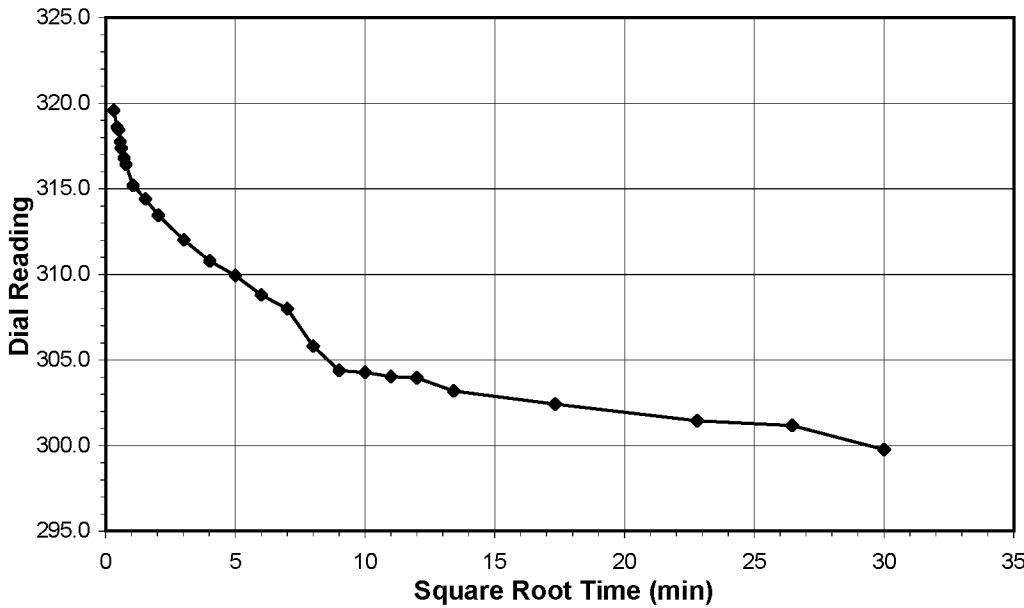
# ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

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

Boring No. R-7-1  
 Depth (ft) 189.4-189.6  
 Sample No. ST-4  
 Visual Description Gray Silty Fine Sand

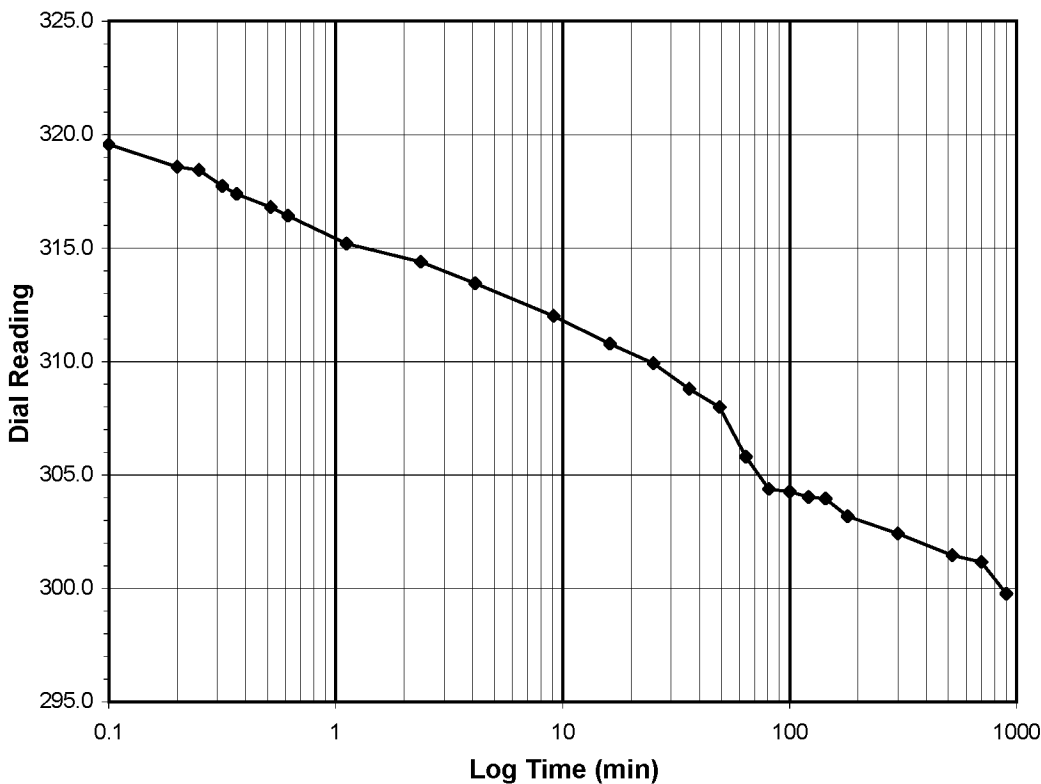
**Sample Conditions:** Undisturbed, Inundated And Double Drained



**Test Load (tsf)** 1.0-0.25  
**Final Reading (div)** 299.8  
 Consolidometer No. **G1427**  
 1 Division (in) 0.0001

Start Date 11/12/13  
 Start Time 11:10:46

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>341.9</b>
0.10	319.6
0.20	318.6
0.25	318.4
0.32	317.7
0.37	317.4
0.52	316.8
0.62	316.4
1.12	315.2
2.37	314.4
4.12	313.4
9.12	312.0
16.12	310.8
25.12	309.9
36.12	308.8
49.12	308.0
64.12	305.8
81.12	304.4
100.13	304.3
121.13	304.0
144.13	304.0
180.13	303.2
300.13	302.4
520.13	301.5
700.13	301.2
900.35	299.8



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

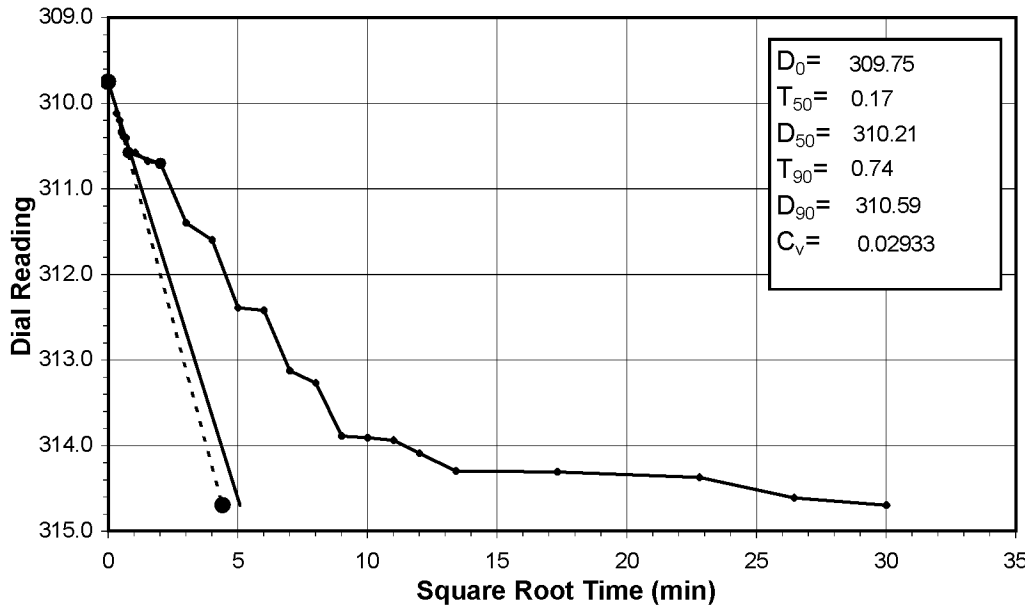
# ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

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

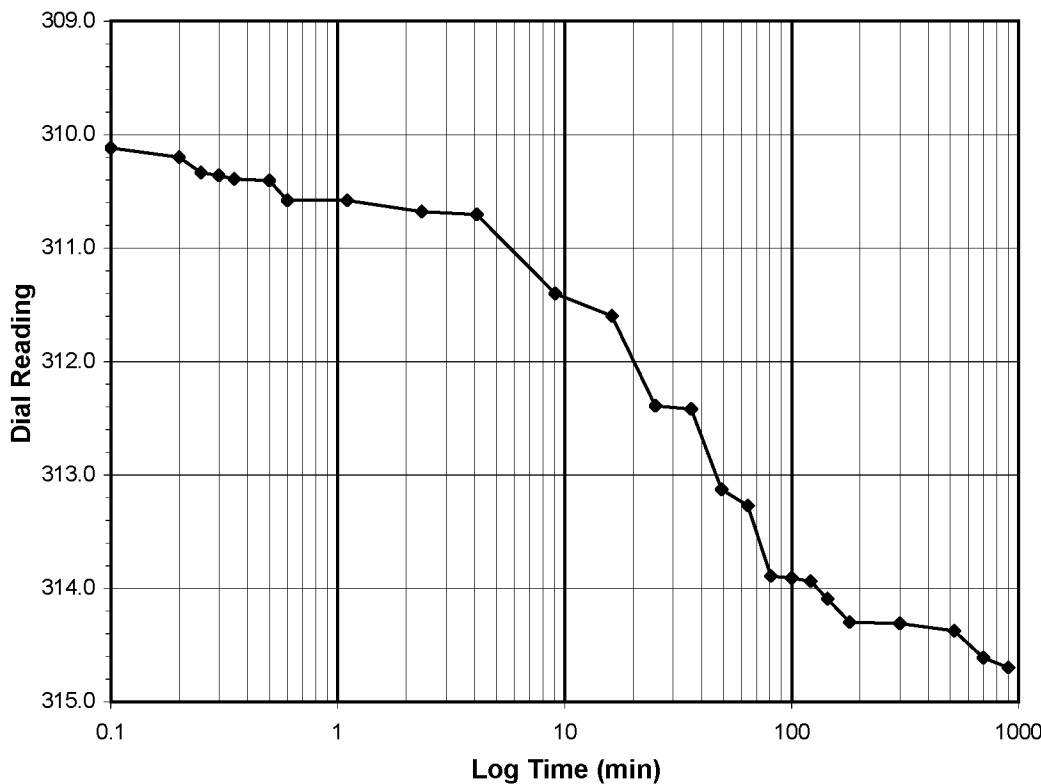
Boring No. R-7-1  
 Depth (ft) 189.4-189.6  
 Sample No. ST-4  
 Visual Description Gray Silty Fine Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



**Test Load (tsf)** 0.25-0.5  
**Final Reading (div)** 314.7  
 Consolidometer No. **G1427**  
 1 Division (in) 0.0001  
 Start Date 11/13/13  
 Start Time 2:11:07

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>299.8</b>
0.10	310.1
0.20	310.2
0.25	310.3
0.30	310.4
0.35	310.4
0.50	310.4
0.60	310.6
1.10	310.6
2.35	310.7
4.10	310.7
9.10	311.4
16.12	311.6
25.12	312.4
36.12	312.4
49.12	313.1
64.12	313.3
81.12	313.9
100.12	313.9
121.12	313.9
144.12	314.1
180.12	314.3
300.12	314.3
520.12	314.4
700.12	314.6
900.48	314.7



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

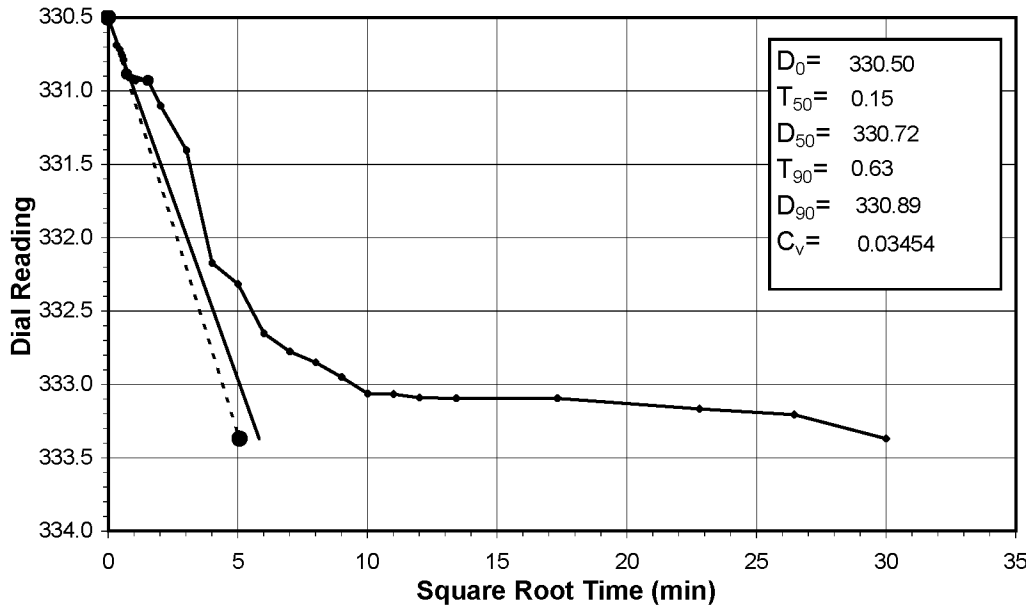
# ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

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

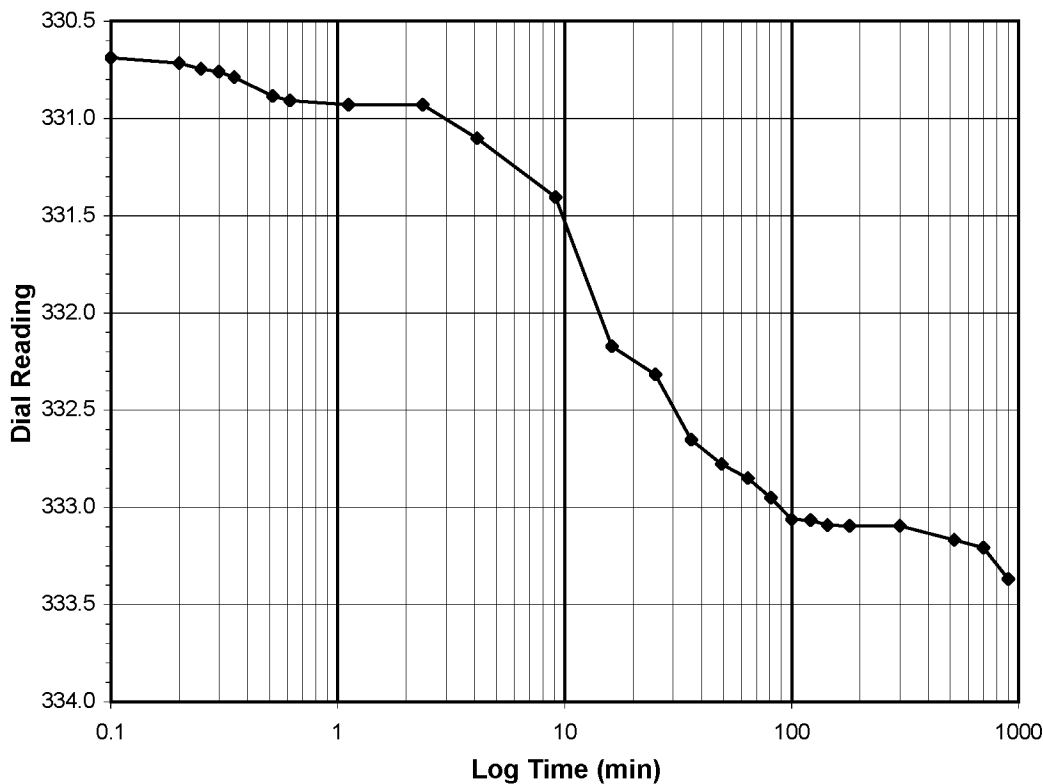
Boring No. R-7-1  
 Depth (ft) 189.4-189.6  
 Sample No. ST-4  
 Visual Description Gray Silty Fine Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



**Test Load (tsf)** 0.5-1.0  
**Final Reading (div)** 333.4  
 Consolidometer No. **G1427**  
 1 Division (in) 0.0001  
 Start Date 11/13/13  
 Start Time 17:11:36

Elapsed Time (min)	Dial Reading (div)
<i>Initial</i>	<b>314.7</b>
0.10	330.7
0.20	330.7
0.25	330.7
0.30	330.8
0.35	330.8
0.52	330.9
0.62	330.9
1.12	330.9
2.37	330.9
4.12	331.1
9.12	331.4
16.12	332.2
25.12	332.3
36.12	332.7
49.12	332.8
64.12	332.8
81.12	333.0
100.12	333.1
121.12	333.1
144.12	333.1
180.13	333.1
300.13	333.1
520.13	333.2
700.13	333.2
900.33	333.4



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

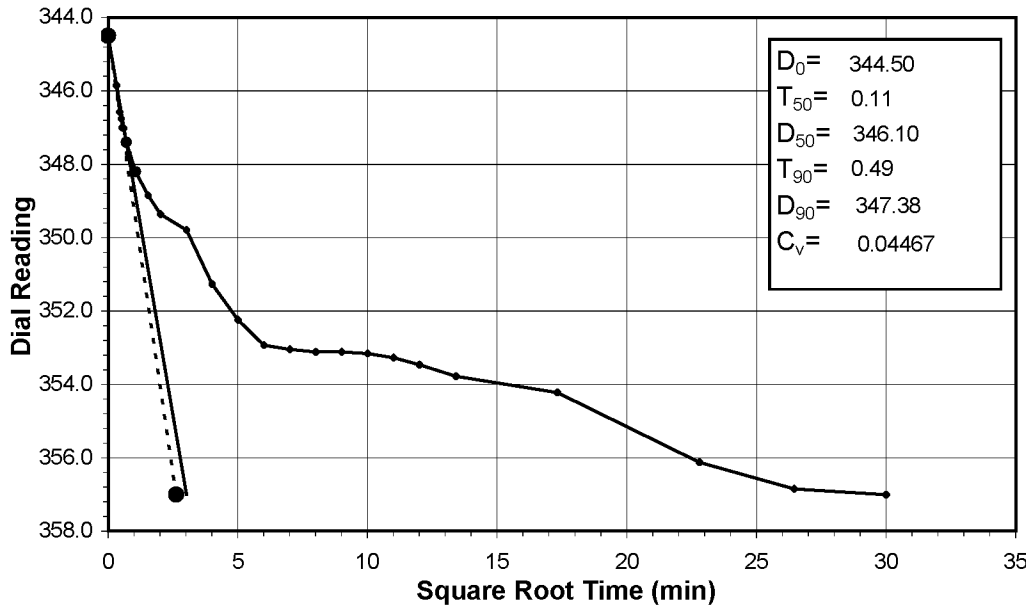
# ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

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

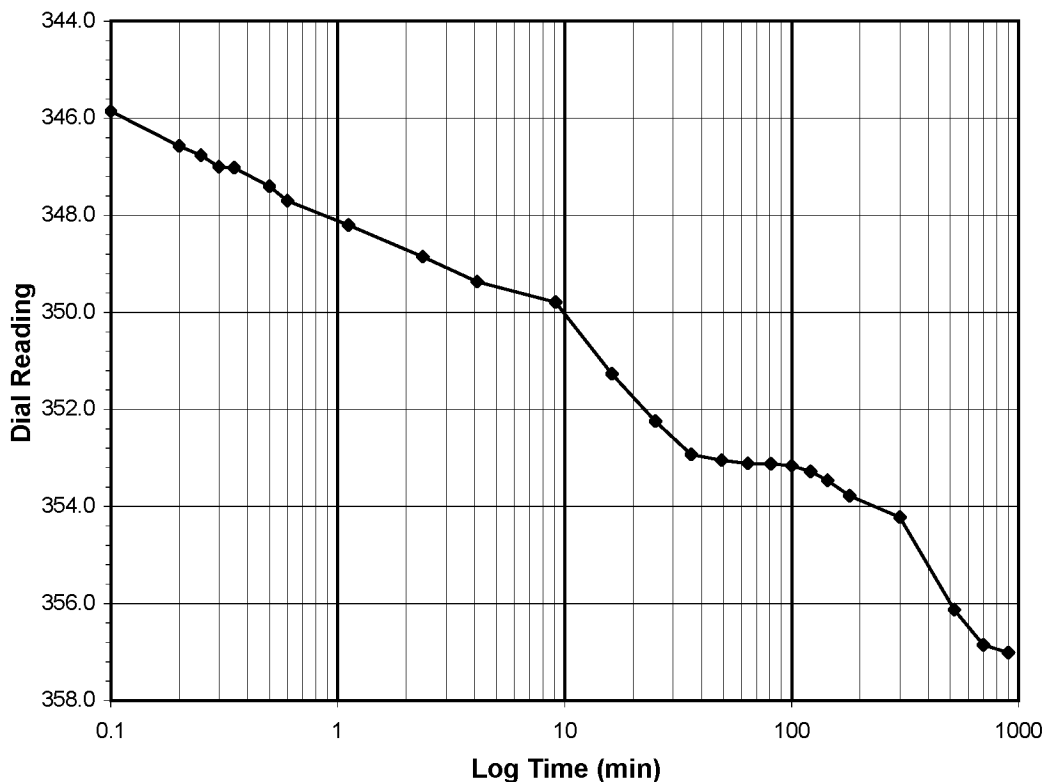
Boring No. R-7-1  
 Depth (ft) 189.4-189.6  
 Sample No. ST-4  
 Visual Description Gray Silty Fine Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



**Test Load (tsf)** 1.0-2.0  
**Final Reading (div)** 357.0  
 Consolidometer No. **G1427**  
 1 Division (in) 0.0001  
 Start Date 11/14/13  
 Start Time 8:11:56

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>333.4</b>
0.10	345.9
0.20	346.6
0.25	346.8
0.30	347.0
0.35	347.0
0.50	347.4
0.60	347.7
1.12	348.2
2.37	348.9
4.12	349.4
9.12	349.8
16.12	351.3
25.12	352.2
36.12	352.9
49.12	353.0
64.12	353.1
81.12	353.1
100.12	353.2
121.12	353.3
144.12	353.5
180.12	353.8
300.12	354.2
520.12	356.1
700.12	356.9
900.15	357.0



Tested By DB Date 11/14/13 Checked By TM Date 12/6/13





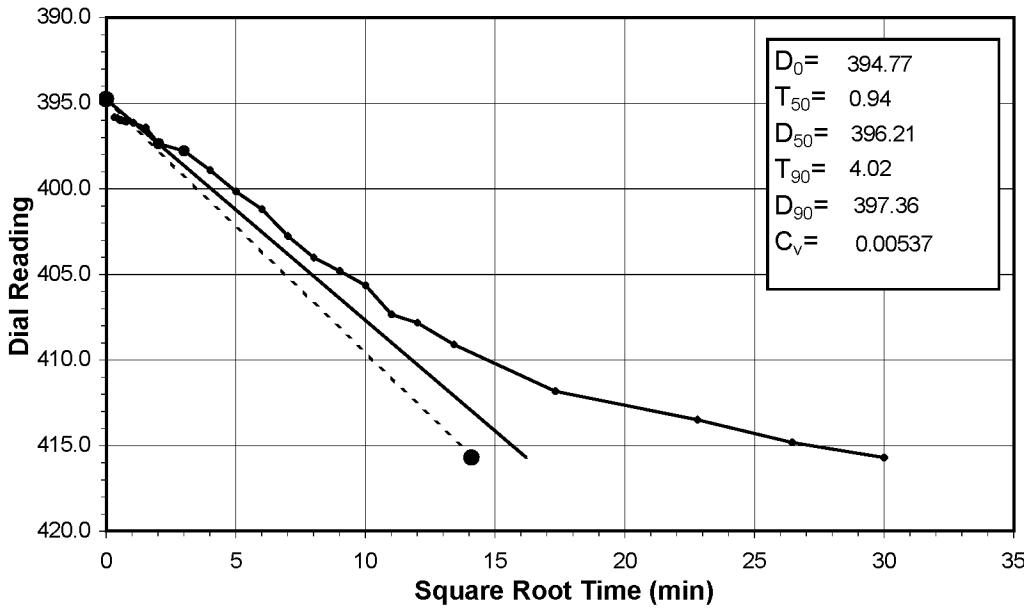
# ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

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

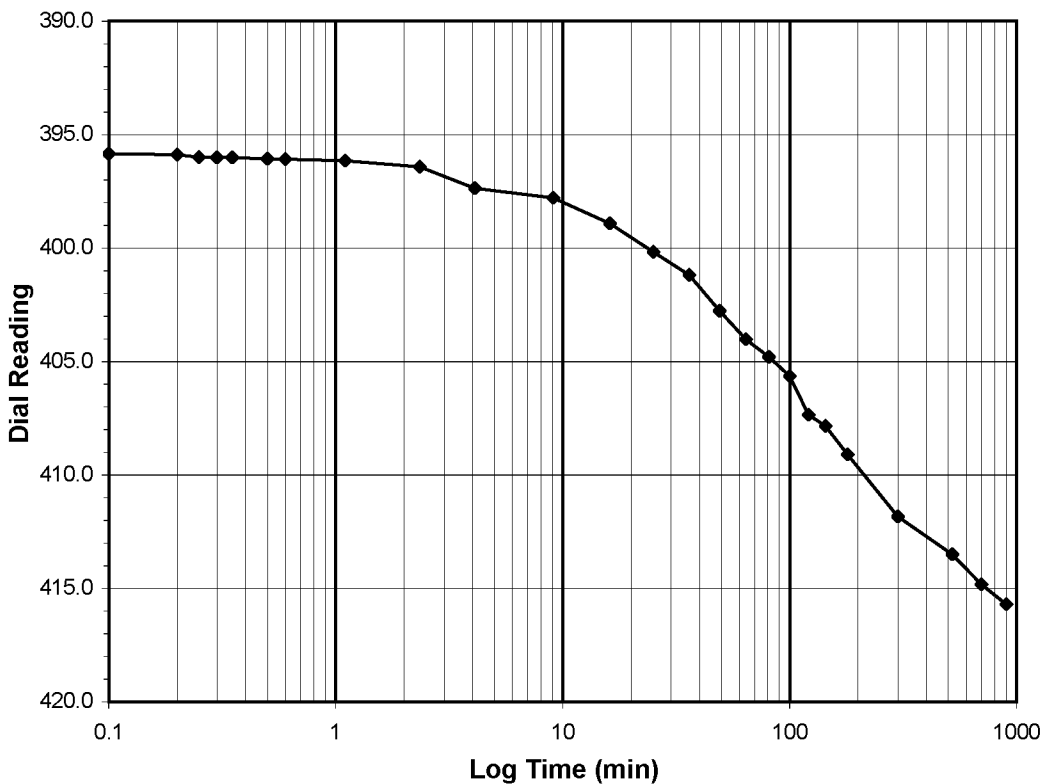
Boring No. R-7-1  
 Depth (ft) 189.4-189.6  
 Sample No. ST-4  
 Visual Description Gray Silty Fine Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



**Test Load (tsf)** 2.0-4.0  
**Final Reading (div)** 415.7  
 Consolidometer No. **G1427**  
 1 Division (in) 0.0001  
 Start Date 11/14/13  
 Start Time 23:12:05

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>357.0</b>
0.10	395.8
0.20	395.9
0.25	396.0
0.30	396.0
0.35	396.0
0.50	396.0
0.60	396.1
1.10	396.1
2.35	396.4
4.10	397.4
9.10	397.8
16.12	398.9
25.12	400.2
36.12	401.2
49.12	402.8
64.12	404.0
81.12	404.8
100.12	405.6
121.12	407.3
144.12	407.8
180.12	409.1
300.12	411.8
520.12	413.5
700.12	414.8
900.17	415.7



Tested By DB Date 11/14/13 Checked By TM Date 12/6/13

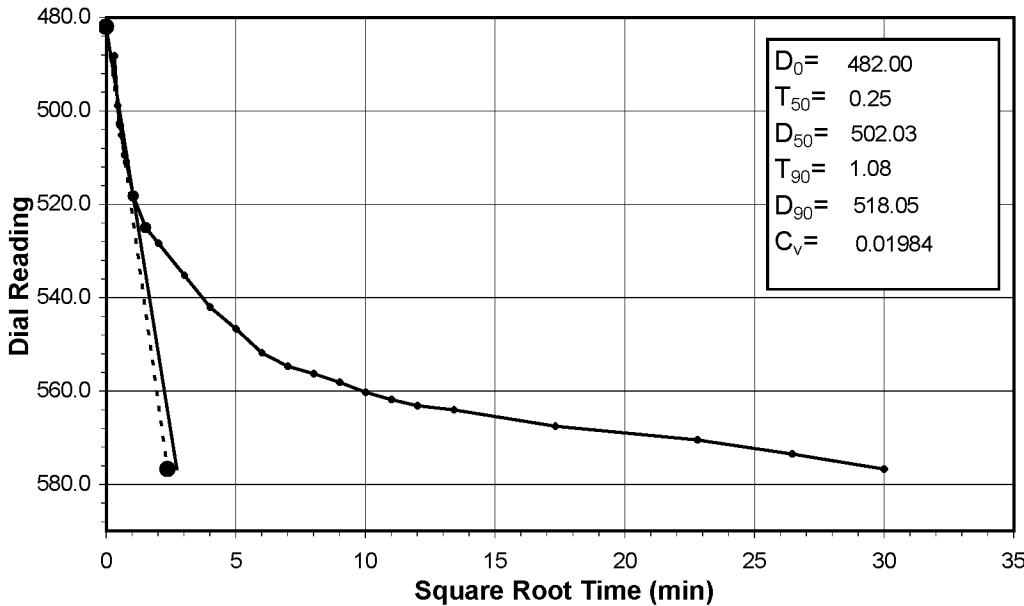
# ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

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

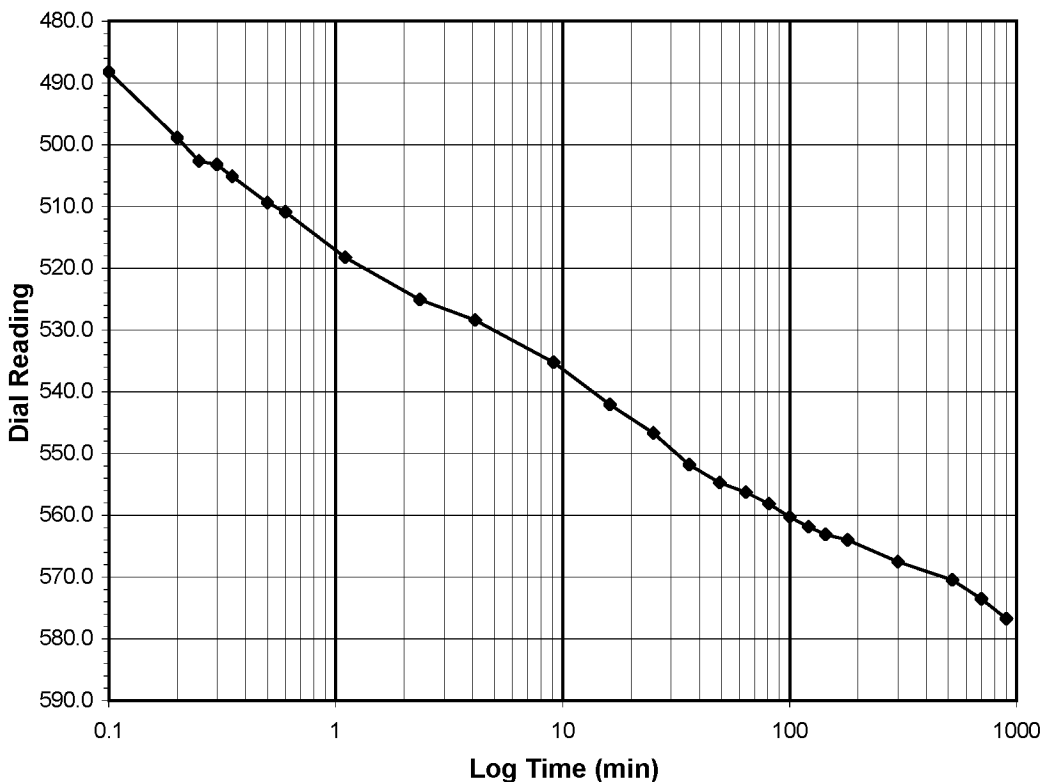
Boring No. R-7-1  
 Depth (ft) 189.4-189.6  
 Sample No. ST-4  
 Visual Description Gray Silty Fine Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



**Test Load (tsf)** 4.0-8.0  
**Final Reading (div)** 576.7  
 Consolidometer No. **G1427**  
 1 Division (in) 0.0001  
 Start Date 11/15/13  
 Start Time 14:12:15

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>415.7</b>
0.10	488.2
0.20	498.9
0.25	502.7
0.30	503.2
0.35	505.2
0.50	509.4
0.60	510.9
1.10	518.2
2.35	525.1
4.12	528.4
9.12	535.2
16.12	542.1
25.12	546.7
36.12	551.8
49.12	554.7
64.12	556.3
81.12	558.1
100.12	560.3
121.12	561.9
144.12	563.1
180.12	564.0
300.12	567.5
520.12	570.5
700.12	573.5
900.28	576.7



Tested By **DB** Date **11/15/13** Checked By **TM** Date **12/6/13**

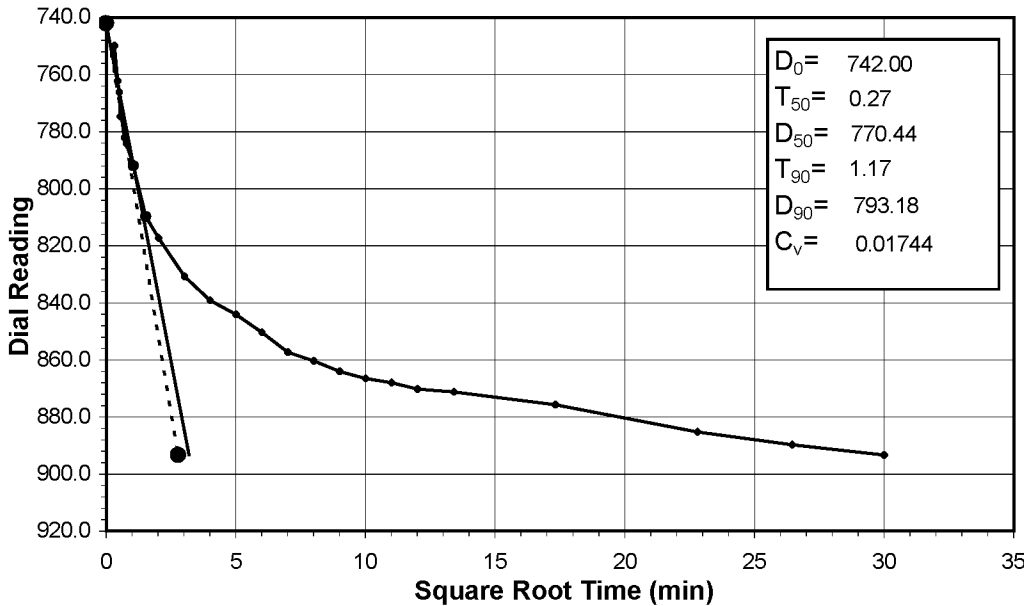
# ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

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

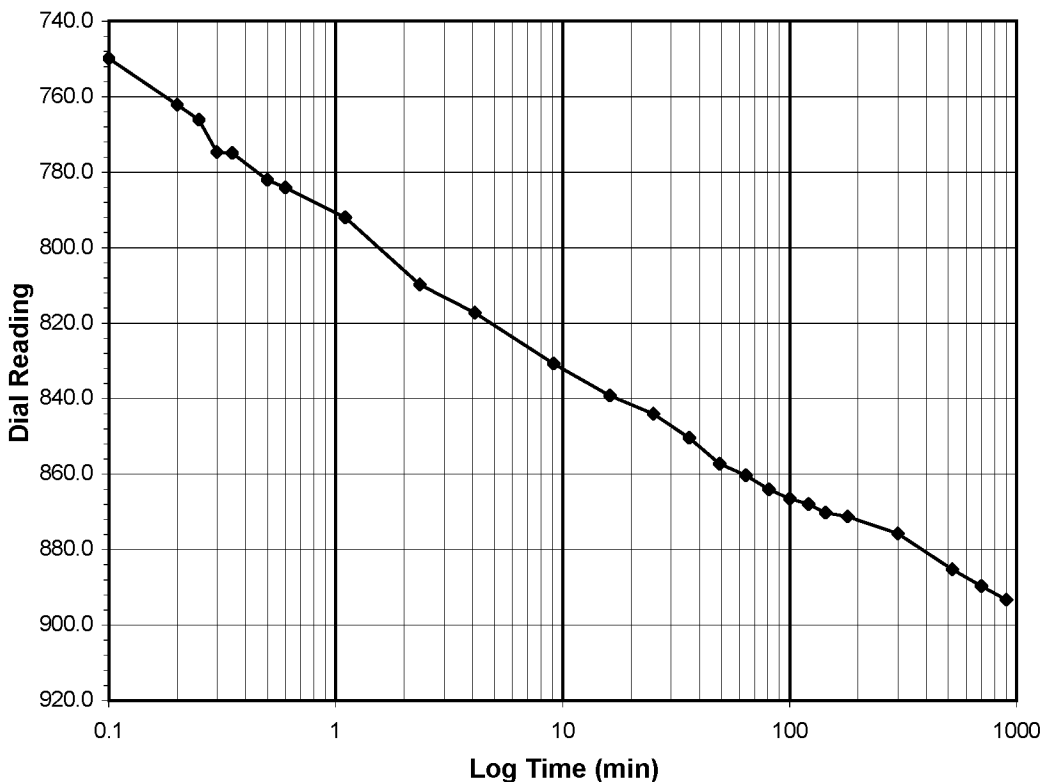
Boring No. R-7-1  
 Depth (ft) 189.4-189.6  
 Sample No. ST-4  
 Visual Description Gray Silty Fine Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



**Test Load (tsf)** 8.0-16.0  
**Final Reading (div)** 893.3  
 Consolidometer No. **G1427**  
 1 Division (in) 0.0001  
 Start Date 11/16/13  
 Start Time 5:12:32

Elapsed Time (min)	Dial Reading (div)
<i>Initial</i>	<b>576.7</b>
0.10	749.8
0.20	762.2
0.25	766.1
0.30	774.7
0.35	774.9
0.50	782.1
0.60	784.1
1.10	792.0
2.35	809.8
4.10	817.3
9.12	830.8
16.12	839.2
25.12	844.0
36.12	850.4
49.12	857.3
64.12	860.3
81.12	864.1
100.12	866.5
121.12	867.9
144.12	870.2
180.12	871.2
300.12	875.7
520.12	885.2
700.12	889.7
900.05	893.3



Tested By **DB** Date **11/16/13** Checked By **TM** Date **12/6/13**

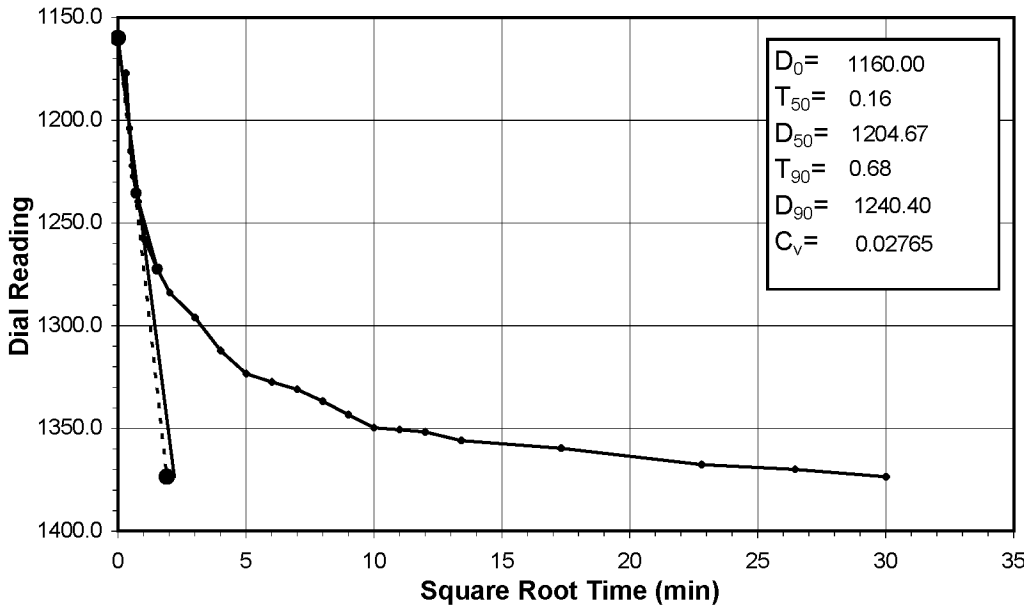
## ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

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

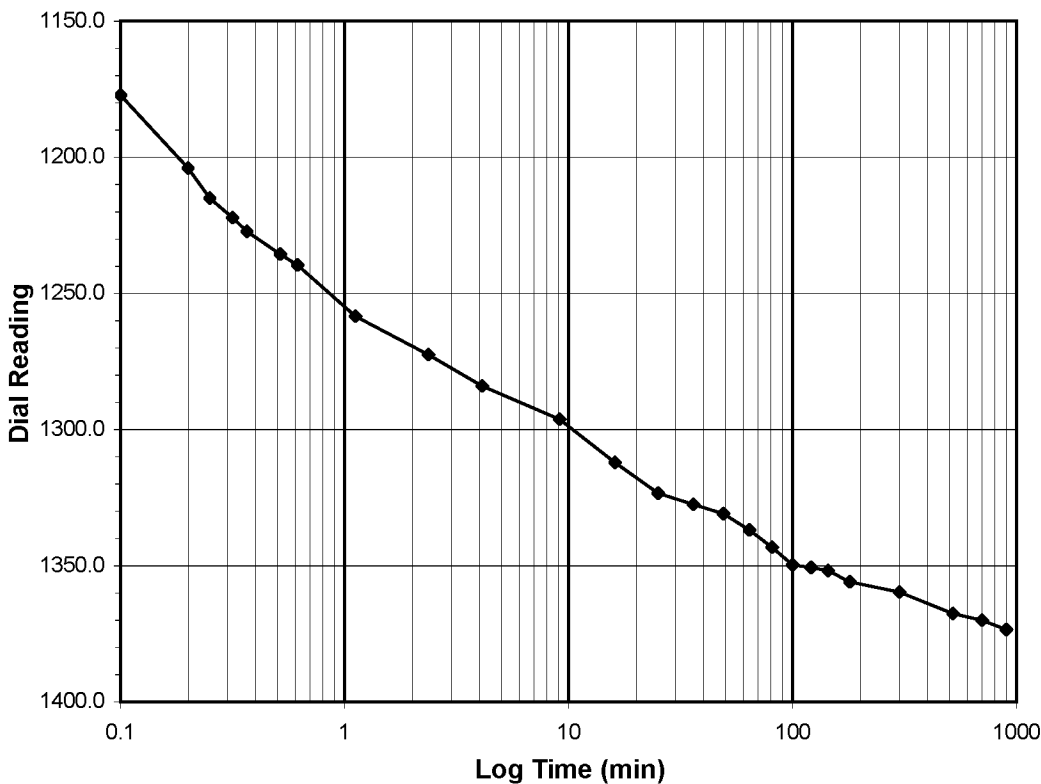
Boring No. R-7-1  
 Depth (ft) 189.4-189.6  
 Sample No. ST-4  
 Visual Description Gray Silty Fine Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



<b>Test Load (tsf)</b>	<b>16.0-32.0</b>
<b>Final Reading (div)</b>	<b>1373.5</b>
Consolidometer No.	<b>G1427</b>
1 Division (in)	0.0001
Start Date	11/16/13
Start Time	20:12:35

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>893.3</b>
0.10	1177.1
0.20	1204.0
0.25	1215.0
0.32	1222.1
0.37	1227.2
0.52	1235.5
0.62	1239.5
1.12	1258.4
2.37	1272.4
4.12	1284.0
9.12	1296.2
16.12	1312.1
25.12	1323.4
36.12	1327.4
49.12	1330.9
64.12	1336.8
81.12	1343.3
100.13	1349.7
121.13	1350.7
144.13	1351.8
180.13	1356.0
300.13	1359.7
520.13	1367.6
700.13	1370.0
900.28	1373.5



Tested By **DB** Date **11/16/13** Checked By **TM** Date **12/6/13**



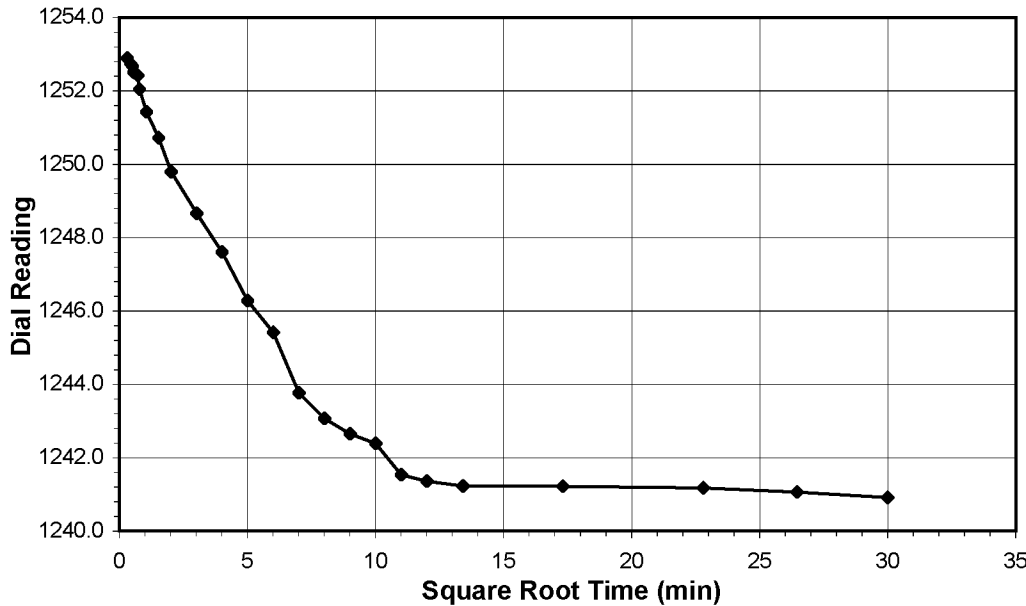
# ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

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

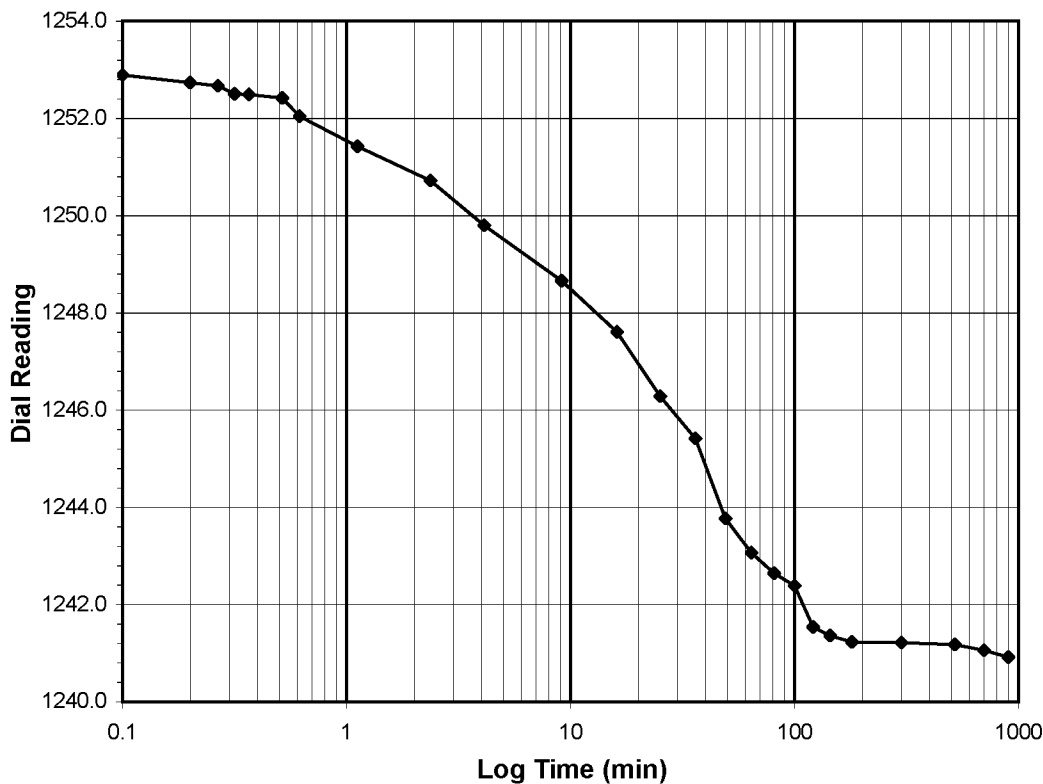
Boring No. R-7-1  
 Depth (ft) 189.4-189.6  
 Sample No. ST-4  
 Visual Description Gray Silty Fine Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



**Test Load (tsf)** 32.0-8.0  
**Final Reading (div)** 1240.9  
 Consolidometer No. G1427  
 1 Division (in) 0.0001  
 Start Date 11/17/13  
 Start Time 11:12:52

Elapsed Time (min)	Dial Reading (div)
<i>Initial</i>	<b>1373.5</b>
0.10	1252.9
0.20	1252.7
0.27	1252.7
0.32	1252.5
0.37	1252.5
0.52	1252.4
0.62	1252.0
1.12	1251.4
2.37	1250.7
4.12	1249.8
9.12	1248.7
16.12	1247.6
25.12	1246.3
36.12	1245.4
49.12	1243.8
64.12	1243.1
81.12	1242.6
100.12	1242.4
121.13	1241.5
144.13	1241.4
180.13	1241.2
300.13	1241.2
520.13	1241.2
700.13	1241.1
900.37	1240.9



Tested By DB Date 11/17/13 Checked By TM Date 12/6/13



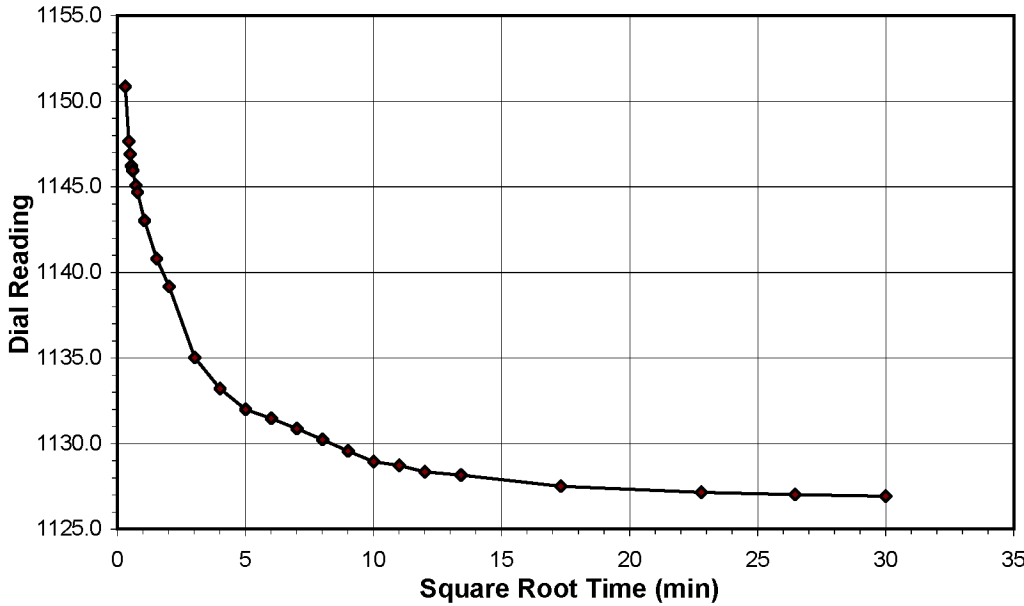
# ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

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

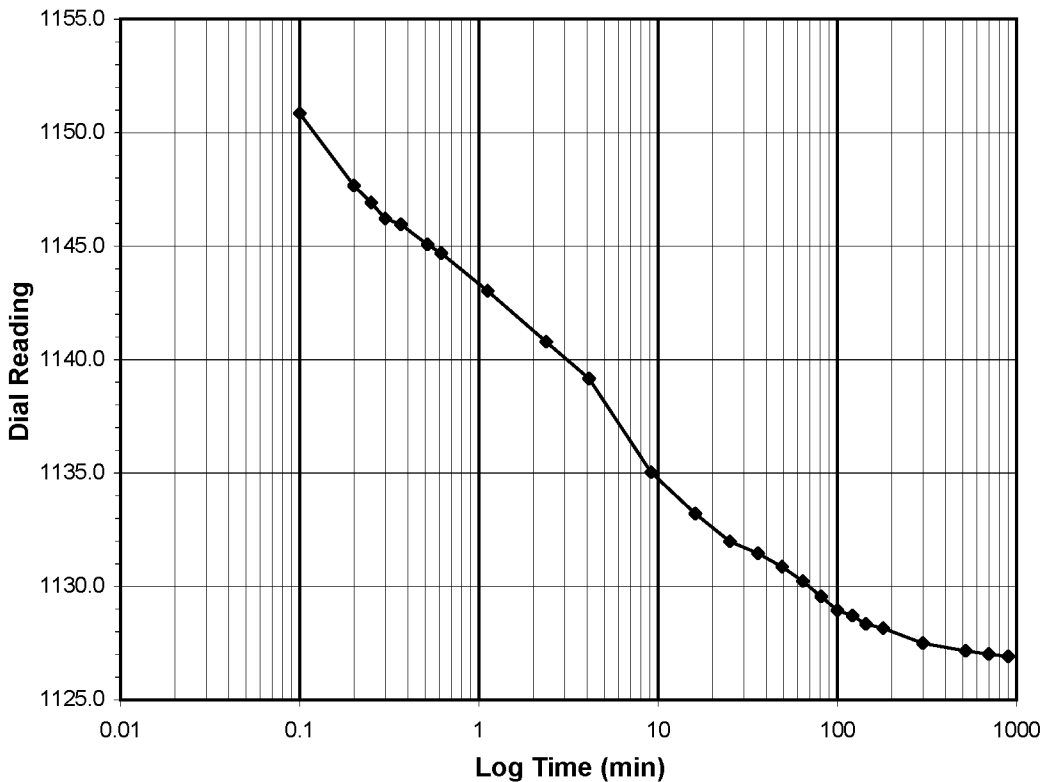
Boring No. R-7-1  
 Depth (ft) 189.4-189.6  
 Sample No. ST-4  
 Visual Description Gray Silty Fine Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



**Test Load (tsf)** 8.0-2.0  
**Final Reading (div)** 1126.9  
 Consolidometer No. G1427  
 1 Division (in) 0.0001  
 Start Date 11/18/13  
 Start Time 2:13:14

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>1240.9</b>
0.10	1150.8
0.20	1147.7
0.25	1146.9
0.30	1146.2
0.37	1146.0
0.52	1145.1
0.62	1144.7
1.12	1143.0
2.37	1140.8
4.12	1139.2
9.12	1135.0
16.12	1133.2
25.12	1132.0
36.12	1131.5
49.12	1130.9
64.12	1130.2
81.12	1129.6
100.12	1129.0
121.12	1128.7
144.12	1128.3
180.12	1128.2
300.12	1127.5
520.12	1127.2
700.12	1127.0
900.27	1126.9



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



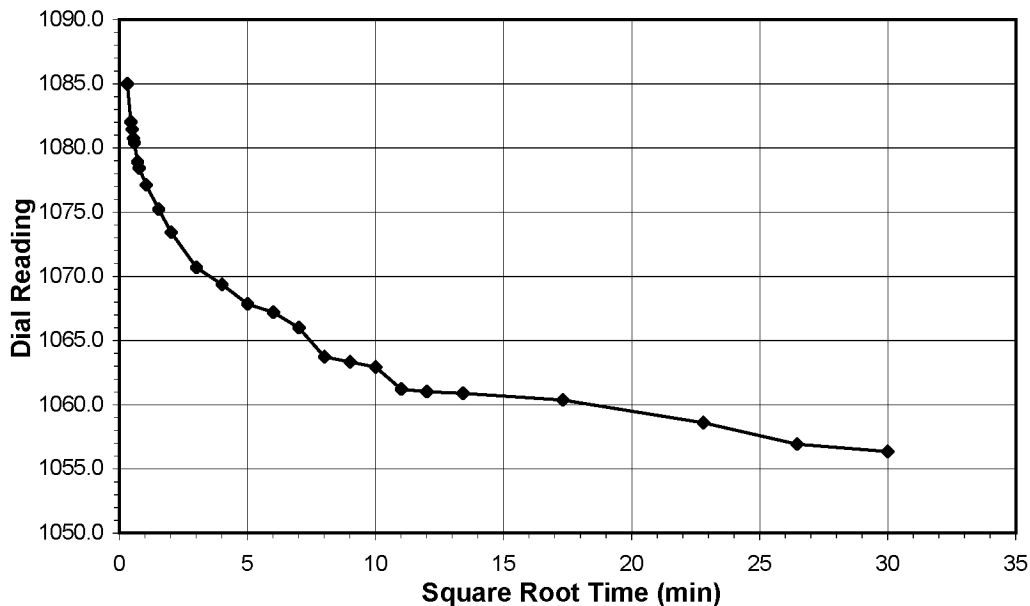
# ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

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

Boring No. R-7-1  
 Depth (ft) 189.4-189.6  
 Sample No. ST-4  
 Visual Description Gray Silty Fine Sand

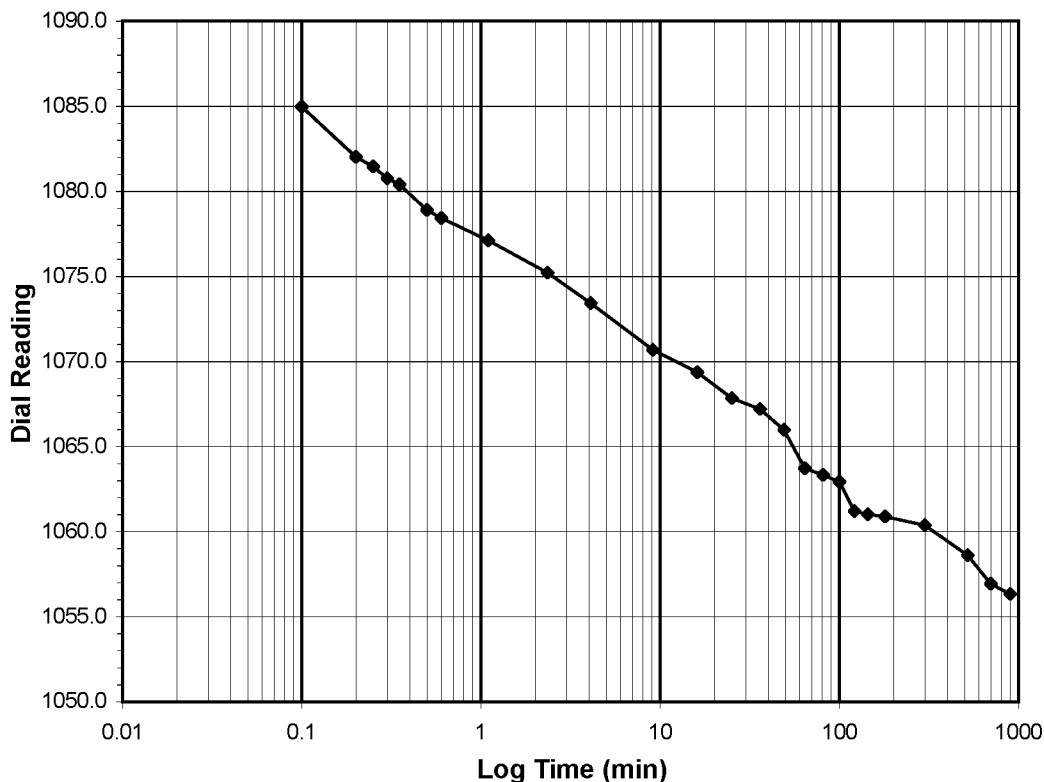
**Sample Conditions:** Undisturbed, Inundated And Double Drained



Test Load (tsf) 2.0-0.5  
 Final Reading (div) 1056.3  
 Consolidometer No. G1427  
 1 Division (in) 0.0001

Start Date 11/18/13  
 Start Time 17:13:30

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>1126.9</b>
0.10	1085.0
0.20	1082.0
0.25	1081.5
0.30	1080.8
0.35	1080.4
0.50	1078.9
0.60	1078.4
1.10	1077.1
2.35	1075.2
4.10	1073.4
9.10	1070.7
16.10	1069.4
25.10	1067.9
36.12	1067.2
49.12	1066.0
64.12	1063.7
81.12	1063.3
100.12	1062.9
121.12	1061.2
144.12	1061.0
180.12	1060.9
300.12	1060.4
520.12	1058.6
700.12	1056.9
900.20	1056.3



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	Boring No.	R-7-1
Client Reference	Turkey Point Units 6 & 7 Site	Depth (ft)	189.4-189.6
Project No.	2013-465-001	Sample No.	ST-4
Lab ID	2013-465-001-003	Visual Description	Gray Silty Fine 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 <sup>3</sup> )	(g/cm <sup>3</sup> )	
<i>Water Content</i>										
Tare Number	2535	2773								
Wt. Tare & WS (g)	134.43	147.64								
Wt. Tare & DS (g)	102.29	115.20								
Wt. Water (g)	32.14	32.44	Seating	0	0	0	25.400	80.440	1.37577	<b>0.91165</b>
Wt. Tare (g)	6.71	6.93	0.25	75.4	23.9	51.5	25.269	80.026	1.38289	<b>0.90181</b>
Wt. DS (g)	95.58	108.27	0.5	117.5	40.1	77.3	25.204	79.818	1.38649	<b>0.89687</b>
Water Content (%)	33.63	29.96	1	180.3	62.7	117.6	25.101	79.494	1.39214	<b>0.88917</b>
			2	269.3	95.7	173.6	24.959	79.043	1.40008	<b>0.87847</b>
			4	392.6	128.7	263.9	24.730	78.317	1.41307	<b>0.86120</b>
<b><u>Sample Parameters</u></b>			1	341.9	87.7	254.2	24.754	78.395	1.41166	<b>0.86305</b>
Sample Diameter (in)	2.5	2.5	0.25	299.8	53.7	246.0	24.775	78.461	1.41047	<b>0.86462</b>
Sample Height (in)	1.0000	0.9052	0.5	314.7	64.2	250.5	24.764	78.425	1.41111	<b>0.86378</b>
Sample Volume (cm <sup>3</sup> )	80.44	72.81	1	333.4	76.5	256.9	24.748	78.374	1.41204	<b>0.86255</b>
Wt. Wet Sample + Ring (g)	362.67	358.62	2	357.0	100.1	256.9	24.747	78.373	1.41205	<b>0.86254</b>
Wt. of Ring (g)	214.79	214.79	4	415.7	126.6	289.1	24.666	78.114	1.41673	<b>0.85639</b>
Wt. of Wet Sample (g)	147.88	143.83	8	576.7	178.9	397.8	24.390	77.240	1.43277	<b>0.83561</b>
Wet Density (pcf)	114.72	123.25	16	893.3	232.8	660.5	23.722	75.127	1.47306	<b>0.78540</b>
Wet Density (g/cm <sup>3</sup> )	1.84	1.98	32	1373.5	317.3	1056.1	22.717	71.945	1.53822	<b>0.70976</b>
Water Content (%)	33.63	29.96	8	1240.9	217.5	1023.4	22.800	72.207	1.53263	<b>0.71601</b>
Wt. of Dry Sample (g)	110.67	110.67	2	1126.9	157.0	969.9	22.936	72.638	1.52354	<b>0.72624</b>
Dry Density (pcf)	85.85	94.84	0.5	1056.3	108.4	947.9	22.992	72.815	1.51985	<b>0.73044</b>
Dry Density (g/cm <sup>3</sup> )	1.38	1.52								
Void Ratio	0.9117	0.7304								
Saturation (%)	97.01	107.88								
Specific Gravity	2.63	Measured								
			<i>Tested By</i>	<i>DB</i>	<i>Date</i>	<i>11/8/13</i>	<i>Input Checked By</i>	<i>TM</i>	<i>Date</i>	<i>12/6/13</i>



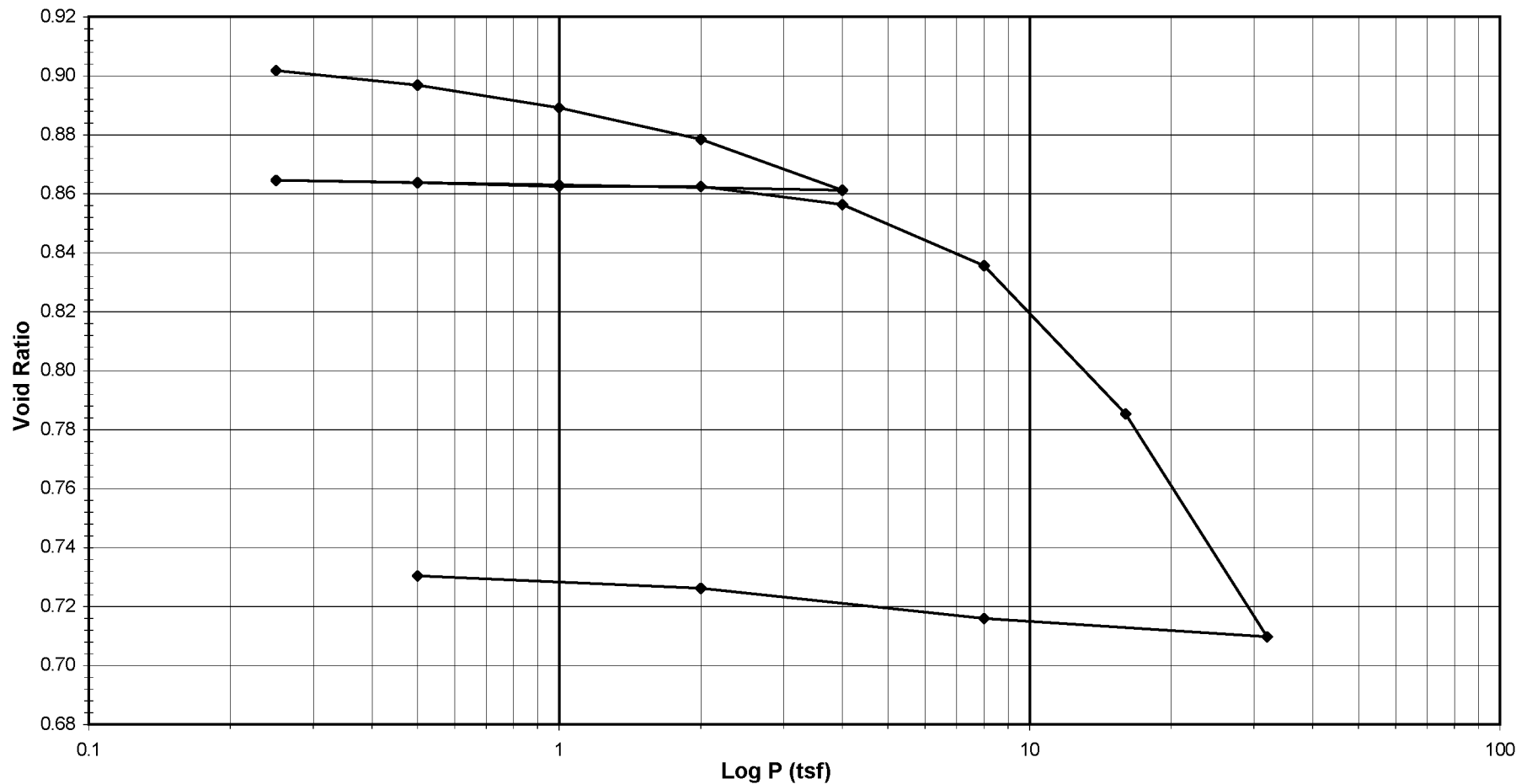
# ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

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

Boring No. R-7-1  
 Depth (ft) 189.4-189.6  
 Sample No. ST-4  
 Visual Description Gray Silty Fine Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



Tested By DB Date 11/8/13 Approved By RJO Date 12/6/13

**ONE DIMENSIONAL CONSOLIDATION**

ASTM D2435 / D2435M-11

Client	Paul C. Rizzo & Associates	Boring No.	R-7-1
Client Reference	Turkey Point Units 6 & 7 Site	Depth (ft)	189.4-189.6
Project No.	2013-465-001	Sample No.	ST-4
Lab ID	2013-465-001-003	Visual Description	Gray Silty Fine Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained**Consolidometer No.** G1427**1 Division** = 0.0001 (in)**C<sub>v</sub> 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<sub>v</sub></u>
			<u>Increment</u>	<u>Reading</u>	<u>Deflection</u>	<u>Dial Reading</u>	<u>Height</u>	<u>t<sub>50</sub></u>	
			(tsf)	@ t <sub>50</sub> (div)	(div)	@ t <sub>50</sub> (div)	@ t <sub>50</sub> (mm)	(min)	(cm <sup>2</sup> /sec)
<i>Water Content</i>									
Tare Number	2535	2773							
Wt. Tare & WS (g)	134.43	147.64							
Wt. Tare & DS (g)	102.29	115.2							
Wt. Water (g)	32.14	32.44	Seating	NA	NA	NA	NA	NA	NA
Wt. Tare (g)	6.71	6.93	0.25	43.2	23.9	19.3	25.35	0.18	0.03008
Wt. DS (g)	95.58	108.27	0.5	96.1	40.1	56.0	25.26	0.27	0.01969
Water Content (%)	33.63	29.96	1	150.1	62.7	87.4	25.18	0.12	0.04403
			2	222.7	95.7	126.9	25.08	0.09	0.05684
			4	343.9	128.7	215.2	24.85	0.47	0.01078
<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	0.9052	0.5	310.2	64.2	246.0	24.78	0.17	0.02933
Sample Volume (cm <sup>3</sup> )	80.44	72.81	1	330.7	76.5	254.2	24.75	0.15	0.03454
Wt. Wet Sample + Ring (g)	362.67	358.62	2	346.1	100.1	246.0	24.78	0.11	0.04467
Wt. of Ring (g)	214.79	214.79	4	396.2	126.6	269.6	24.72	0.94	0.00537
Wt. of Wet Sample (g)	147.88	143.83	8	502.0	178.9	323.1	24.58	0.25	0.01984
Wet Density (pcf)	114.72	123.25	16	770.4	232.8	537.6	24.03	0.27	0.01744
Wet Density (g/cm <sup>3</sup> )	1.84	1.98	32	1204.7	317.3	887.3	23.15	0.16	0.02765
Water Content (%)	33.63	29.96	8	NA	NA	NA	NA	NA	NA
Wt. of Dry Sample (g)	110.67	110.67	2	NA	NA	NA	NA	NA	NA
Dry Density (pcf)	85.85	94.84	0.5	NA	NA	NA	NA	NA	NA
Dry Density (g/cm <sup>3</sup> )	1.38	1.52							
Void Ratio	0.9117	0.7304							
Saturation (%)	97.01	107.88							
Specific Gravity	2.63	Measured							

<i>Tested By</i>	DB	<i>Date</i>	11/8/13	<i>Input Checked By</i>	TM	<i>Date</i>	12/6/13
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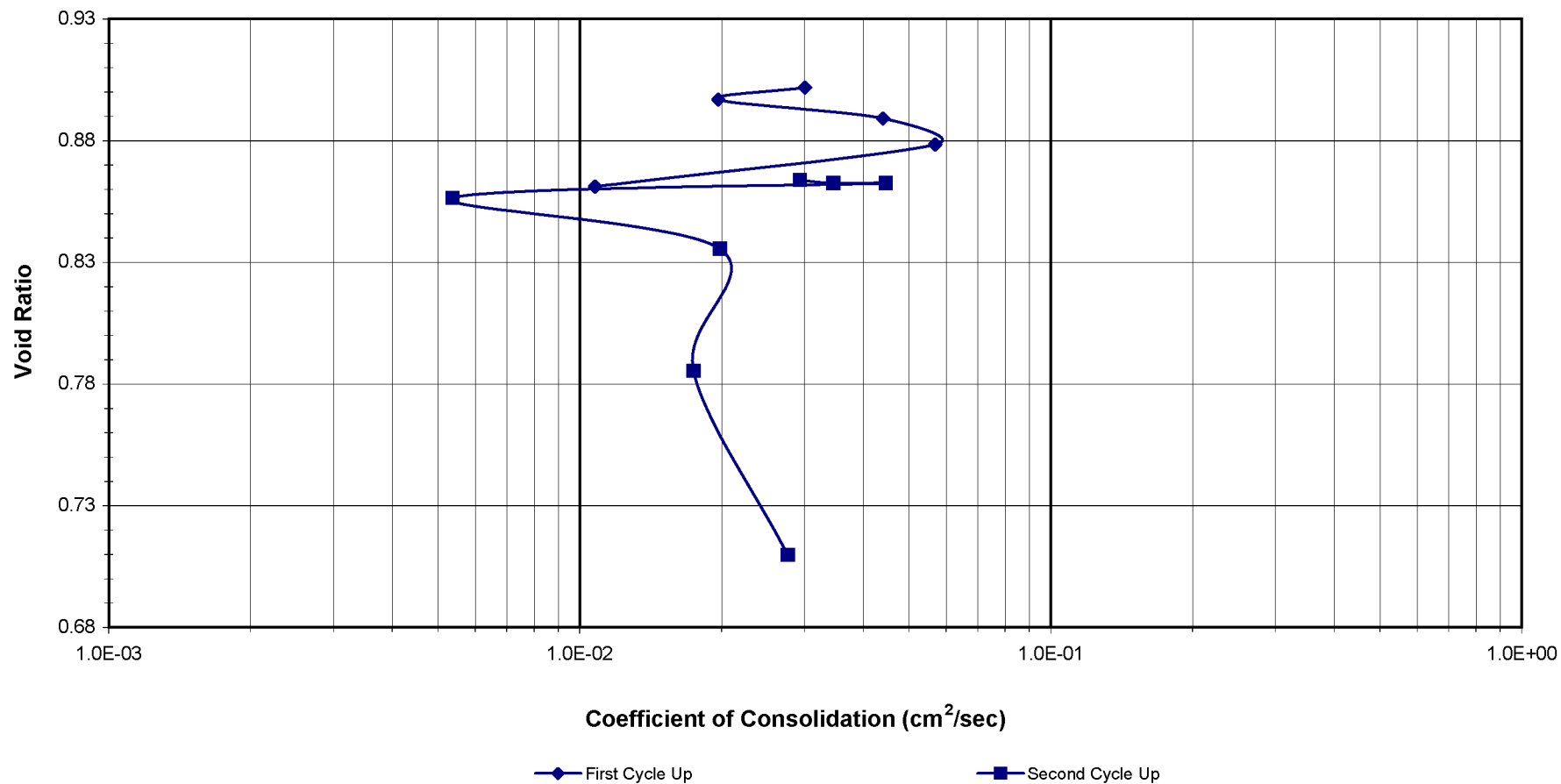
# ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

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

Boring No. R-7-1  
 Depth (ft) 189.4-189.6  
 Sample No. ST-4  
 Visual Description Gray Silty Fine Sand

Sample Conditions: Undisturbed, Inundated And Double Drained



Tested By DB Date 11/8/13

Approved By RJO Date 12/6/13

## One Dimensional Consolidation

ASTM D2435 / D2435M-11

### EQUIPMENT LIST

Client	Paul C. Rizzo & Associates	Boring No. R-7-1
Client Reference	Turkey Point Units 6 & 7 Site	Depth (ft) 189.4-189.6
Project No.	2013-465-001	Sample No. ST-4
Lab ID #	2013-465-001-003	

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

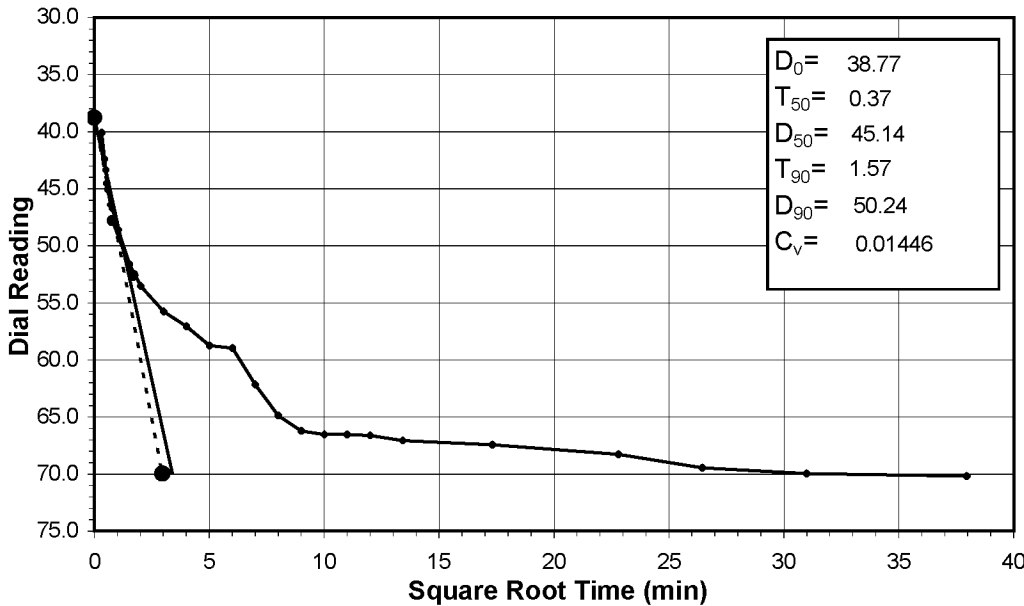
# ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-006

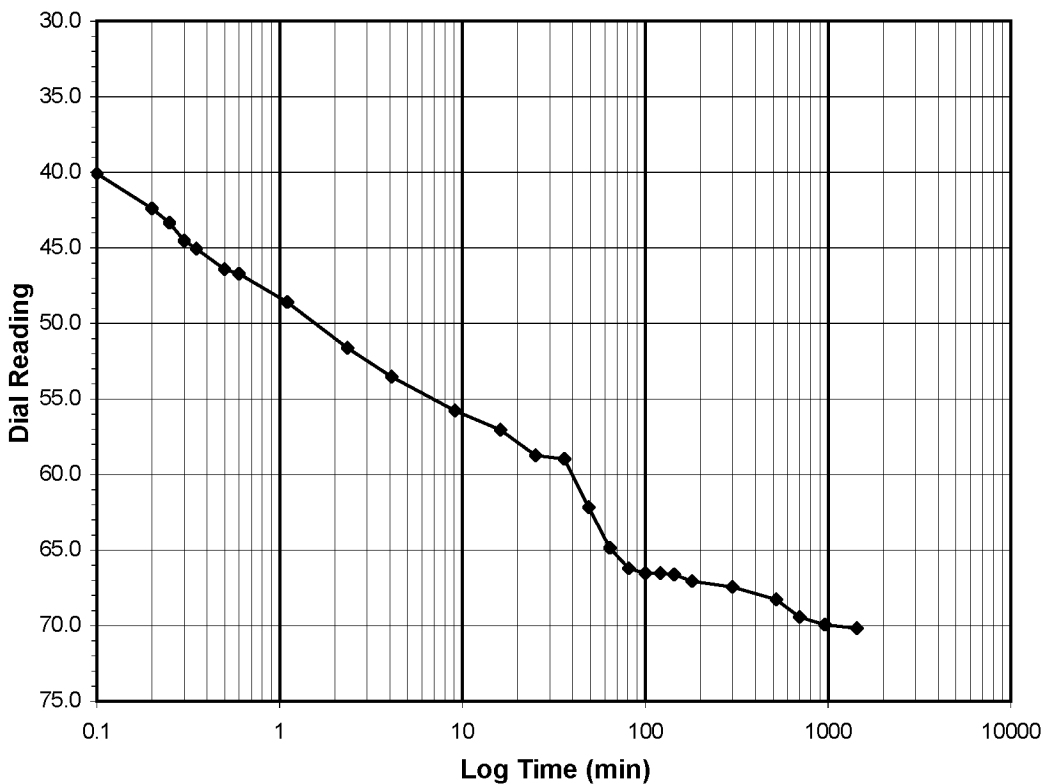
Boring No. R-7-1  
 Depth (ft) 246.0-246.5  
 Sample No. ST-8  
 Visual Description Gray Silty Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



**Test Load (tsf)** 0.0-0.25  
**Final Reading (div)** 70.2  
 Consolidometer No. **G1421**  
 1 Division (in) 0.0001  
 Start Date 10/25/13  
 Start Time 15:52:26

Elapsed Time (min)	Dial Reading (div)
<i>Initial</i>	<b>0.0</b>
0.10	40.1
0.20	42.4
0.25	43.3
0.30	44.5
0.35	45.1
0.50	46.4
0.60	46.7
1.10	48.6
2.35	51.6
4.10	53.5
9.10	55.8
16.10	57.0
25.10	58.7
36.10	59.0
49.10	62.2
64.10	64.9
81.10	66.2
100.10	66.5
121.10	66.5
144.10	66.6
180.12	67.1
300.12	67.4
520.12	68.3
700.12	69.4
960.12	69.9
1440.05	70.2



Tested By **DB** Date **10/25/13** Checked By **TM** Date **12/5/13**

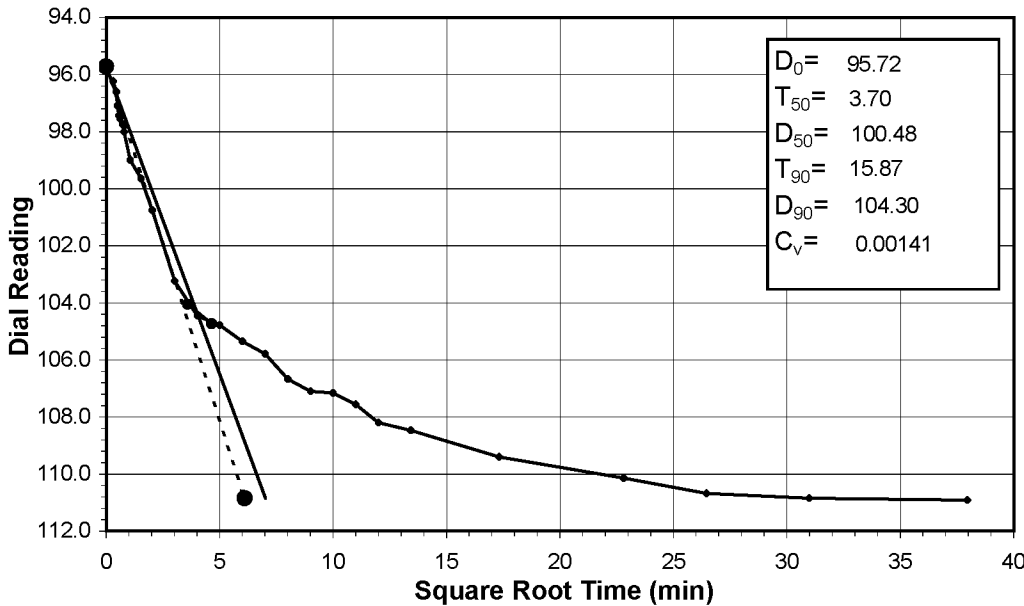
# ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-006

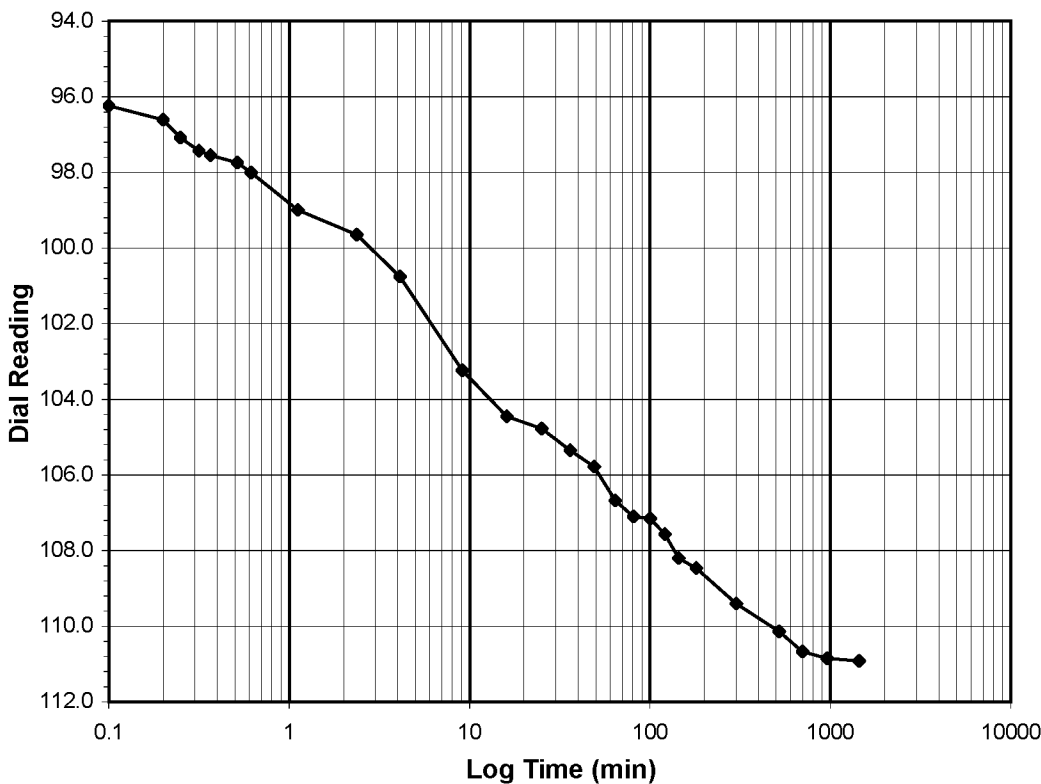
Boring No. R-7-1  
 Depth (ft) 246.0-246.5  
 Sample No. ST-8  
 Visual Description Gray Silty Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



**Test Load (tsf)** 0.25-0.5  
**Final Reading (div)** 110.9  
 Consolidometer No. **G1421**  
 1 Division (in) 0.0001  
 Start Date 10/26/13  
 Start Time 15:52:29

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>70.2</b>
0.10	96.2
0.20	96.6
0.25	97.1
0.32	97.4
0.37	97.5
0.52	97.7
0.62	98.0
1.12	99.0
2.37	99.6
4.12	100.8
9.12	103.2
16.12	104.4
25.12	104.8
36.12	105.3
49.12	105.8
64.12	106.7
81.12	107.1
100.13	107.2
121.13	107.6
144.13	108.2
180.13	108.5
300.13	109.4
520.13	110.1
700.13	110.7
960.13	110.8
1440.13	110.9



Tested By DB Date 10/26/13 Checked By TM Date 12/5/13

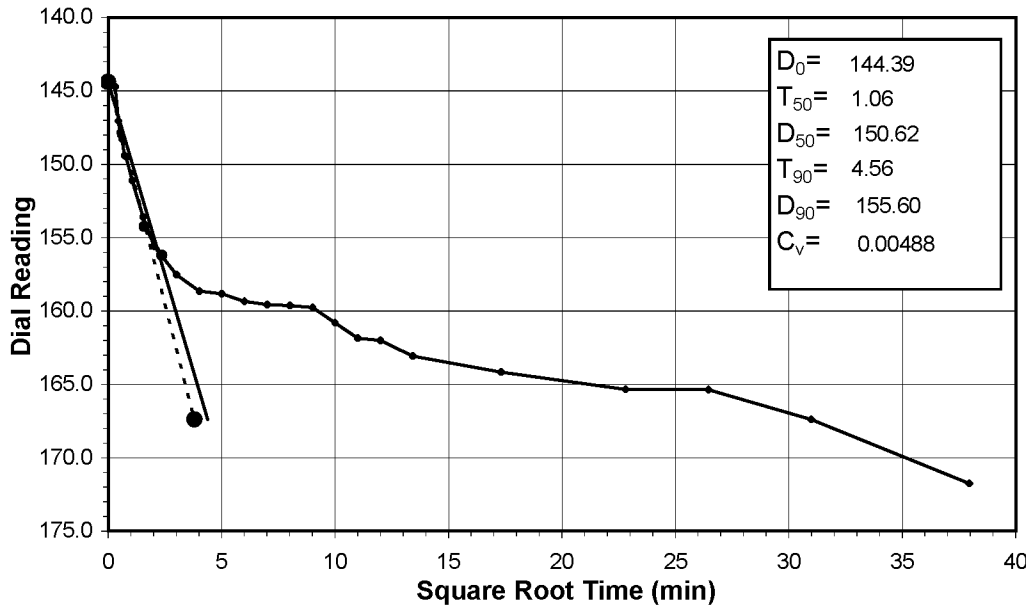
## ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-006

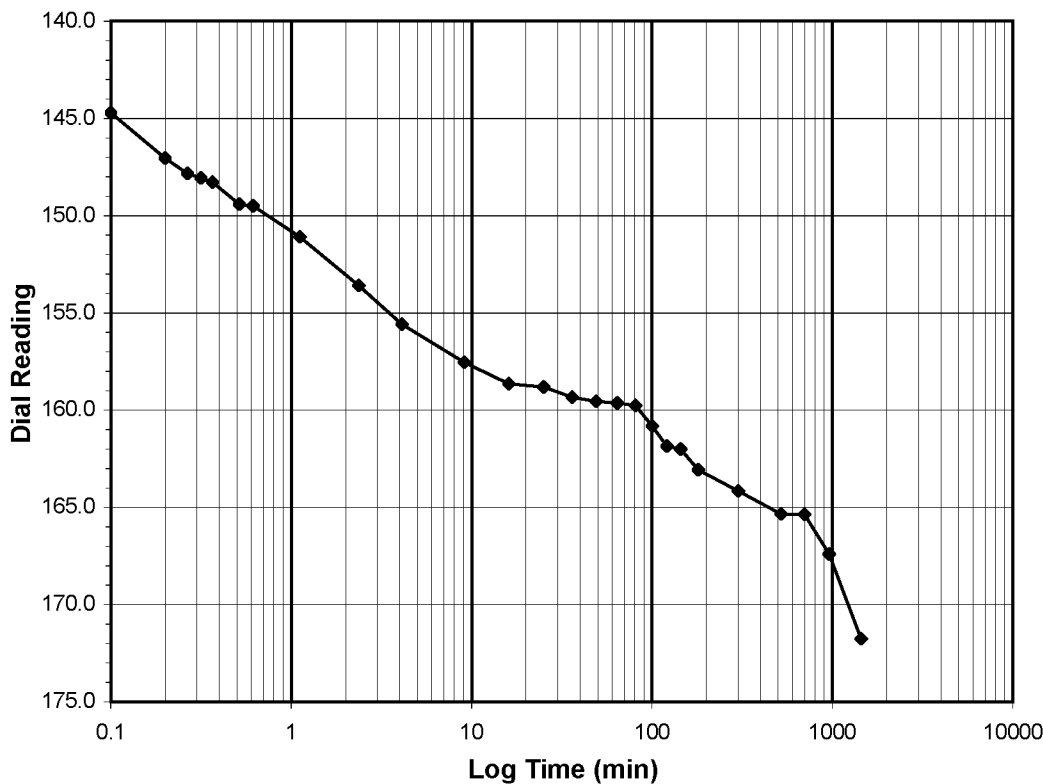
Boring No. R-7-1  
 Depth (ft) 246.0-246.5  
 Sample No. ST-8  
 Visual Description Gray Silty Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



<b>Test Load (tsf)</b>	<b>0.5-1.0</b>
<b>Final Reading (div)</b>	<b>171.8</b>
Consolidometer No.	<b>G1421</b>
1 Division (in)	0.0001
Start Date	10/27/13
Start Time	15:52:57

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>110.9</b>
0.10	144.7
0.20	147.0
0.27	147.8
0.32	148.1
0.37	148.3
0.52	149.4
0.62	149.5
1.12	151.1
2.37	153.6
4.12	155.6
9.12	157.5
16.12	158.6
25.12	158.8
36.12	159.3
49.13	159.6
64.13	159.6
81.13	159.8
100.13	160.8
121.13	161.8
144.13	162.0
180.13	163.1
300.13	164.2
520.13	165.3
700.13	165.4
960.13	167.4
1440.13	171.8



Tested By **DB** Date **10/27/13** Checked By **TM** Date **12/5/13**

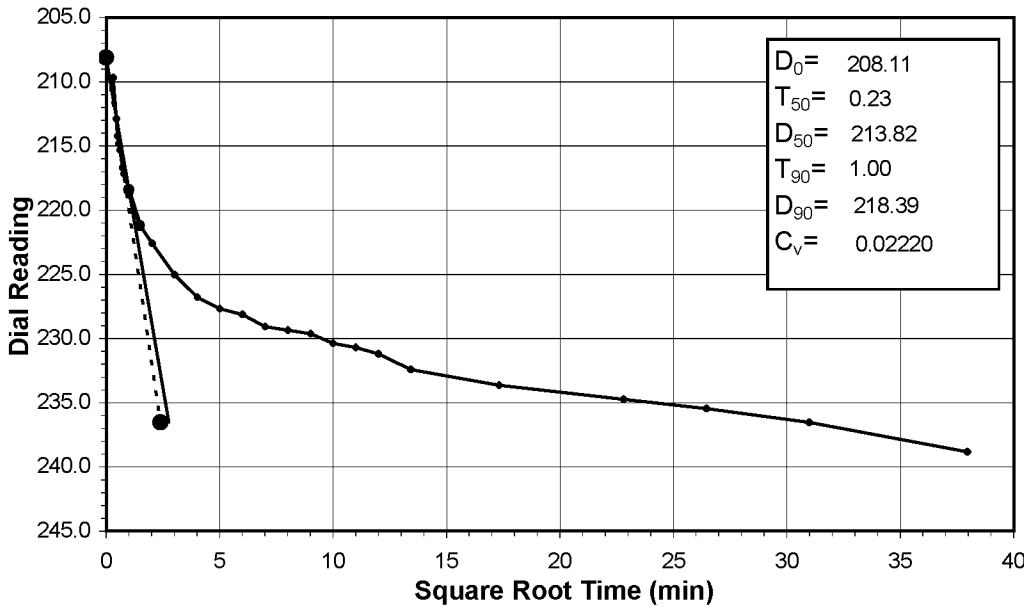
# ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client: Paul C. Rizzo & Associates  
 Client Project: Turkey Point Units 6 & 7 Site  
 Project No.: 2013-465-001  
 Lab ID: 2013-465-001-006

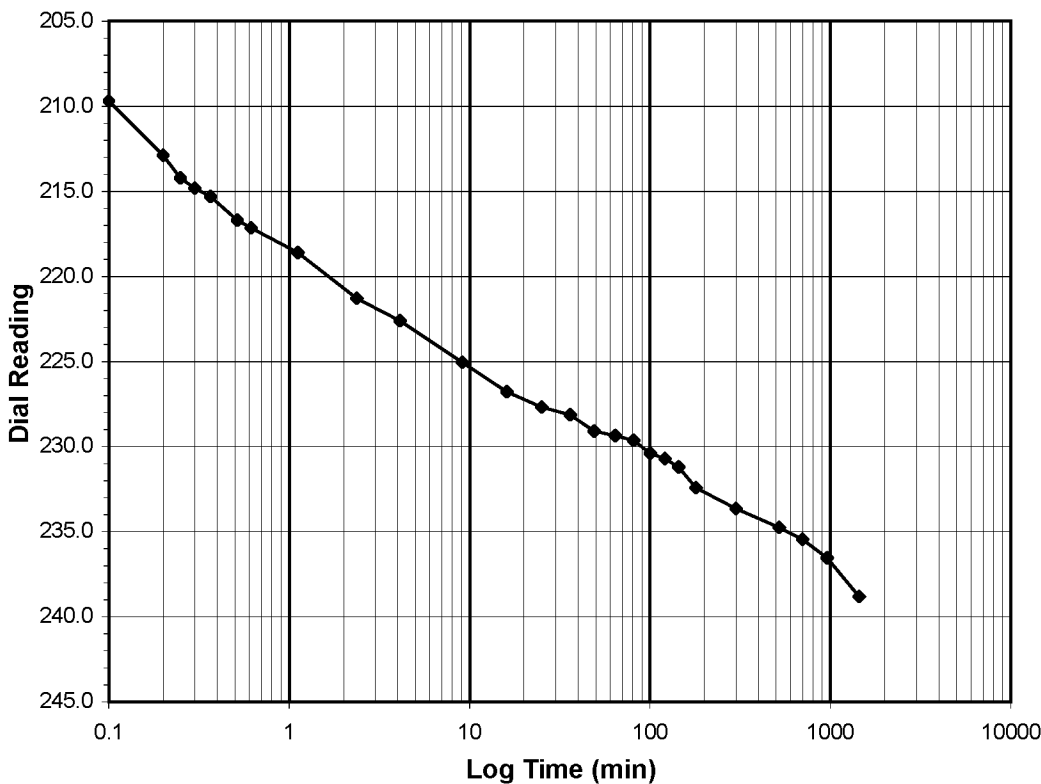
Boring No.: R-7-1  
 Depth (ft): 246.0-246.5  
 Sample No.: ST-8  
 Visual Description: Gray Silty Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



**Test Load (tsf): 1.0-2.0**  
**Final Reading (div): 238.8**  
 Consolidometer No.: **G1421**  
 1 Division (in): 0.0001  
 Start Date: 10/28/13  
 Start Time: 15:53:12

Elapsed Time (min)	Dial Reading (div)
<i>Initial</i>	<b>171.8</b>
0.10	209.7
0.20	212.9
0.25	214.2
0.30	214.8
0.37	215.3
0.52	216.7
0.62	217.2
1.12	218.6
2.37	221.3
4.12	222.6
9.12	225.0
16.12	226.8
25.12	227.7
36.12	228.1
49.12	229.1
64.12	229.3
81.12	229.6
100.12	230.4
121.12	230.7
144.12	231.2
180.12	232.4
300.12	233.6
520.12	234.7
700.13	235.5
960.13	236.5
1440.17	238.8



Tested By: DB Date: 10/28/13 Checked By: TM Date: 12/5/13



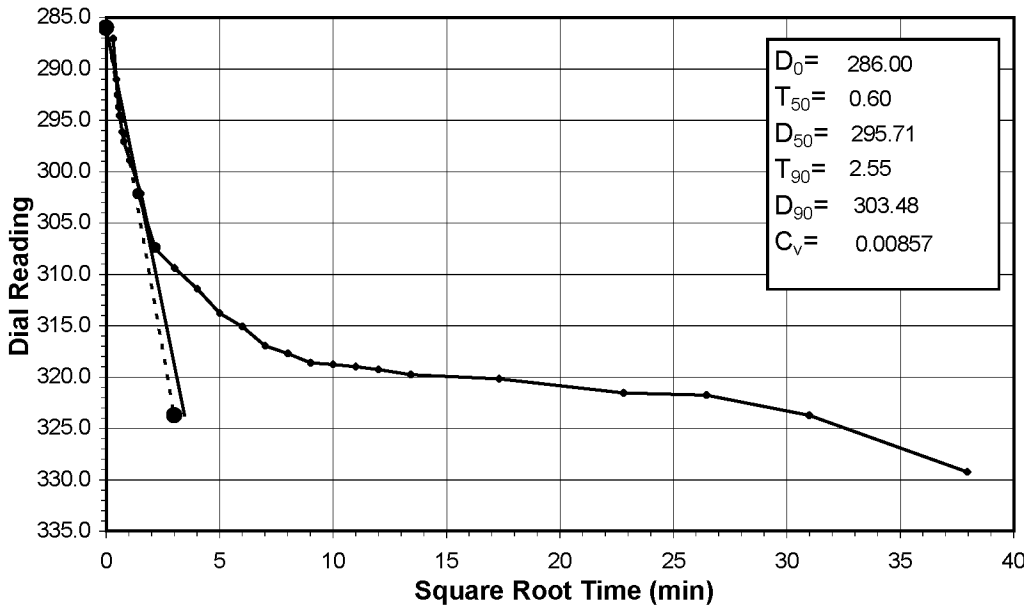
## ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-006

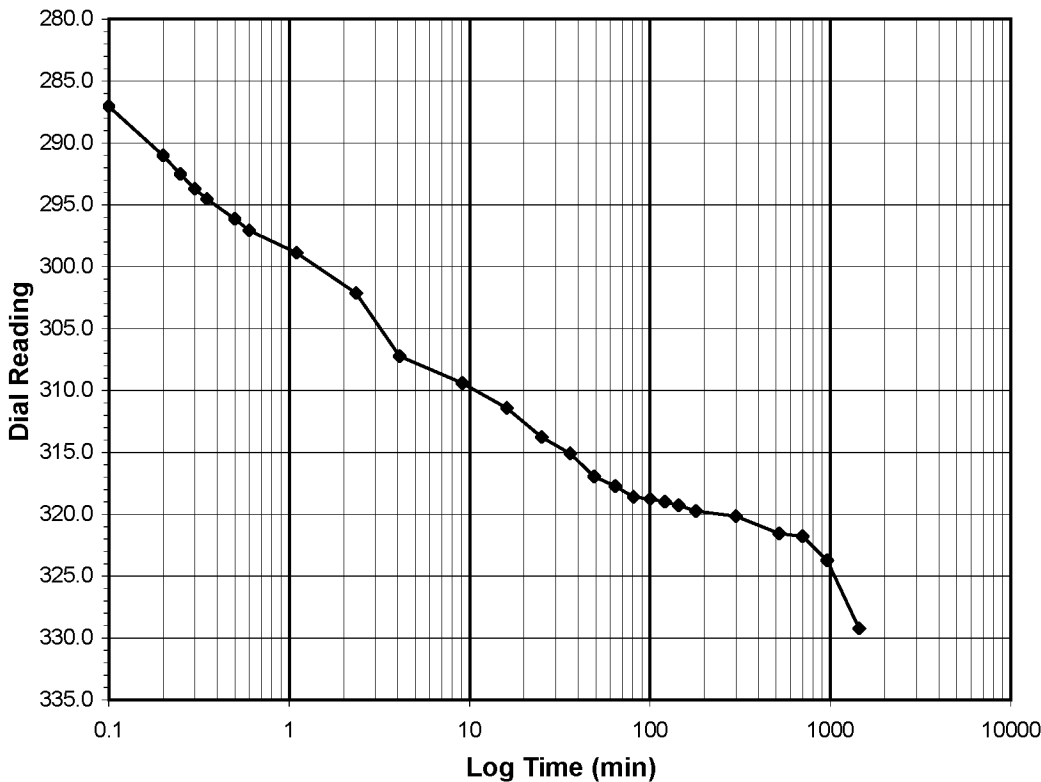
Boring No. R-7-1  
 Depth (ft) 246.0-246.5  
 Sample No. ST-8  
 Visual Description Gray Silty Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



<b>Test Load (tsf)</b>	<b>2.0-4.0</b>
<b>Final Reading (div)</b>	<b>329.2</b>
Consolidometer No.	<b>G1421</b>
1 Division (in)	0.0001
Start Date	10/29/13
Start Time	15:53:22

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>238.8</b>
0.10	287.0
0.20	291.0
0.25	292.5
0.30	293.7
0.35	294.5
0.50	296.1
0.60	297.1
1.10	298.9
2.35	302.1
4.10	307.2
9.10	309.4
16.12	311.4
25.12	313.8
36.12	315.1
49.12	316.9
64.12	317.7
81.12	318.6
100.12	318.8
121.12	319.0
144.12	319.3
180.12	319.8
300.12	320.2
520.12	321.6
700.12	321.8
960.12	323.7
1440.25	329.2



Tested By **DB** Date **10/29/13** Checked By **TM** Date **12/5/13**



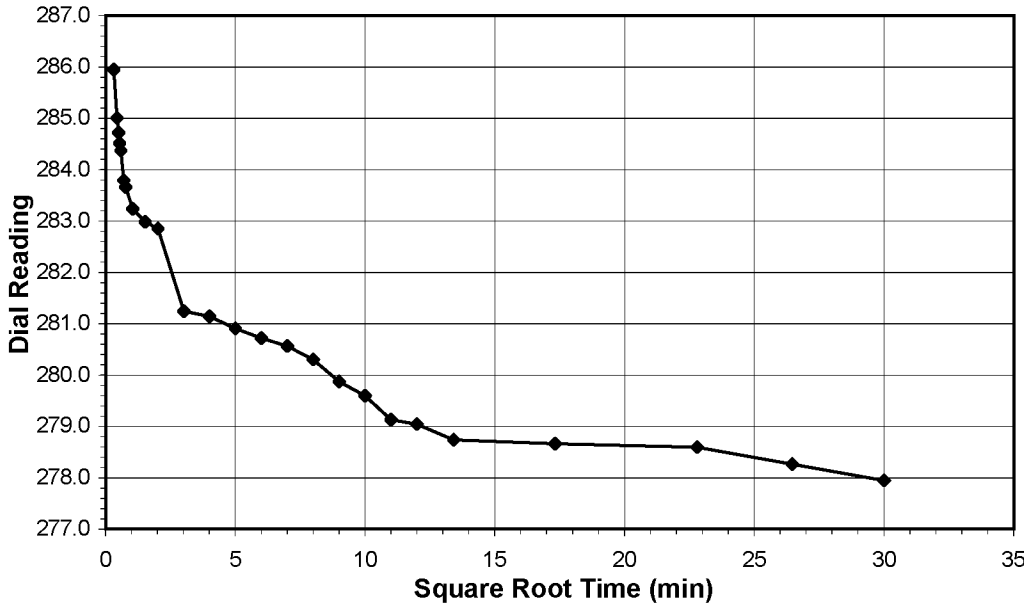
# ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-006

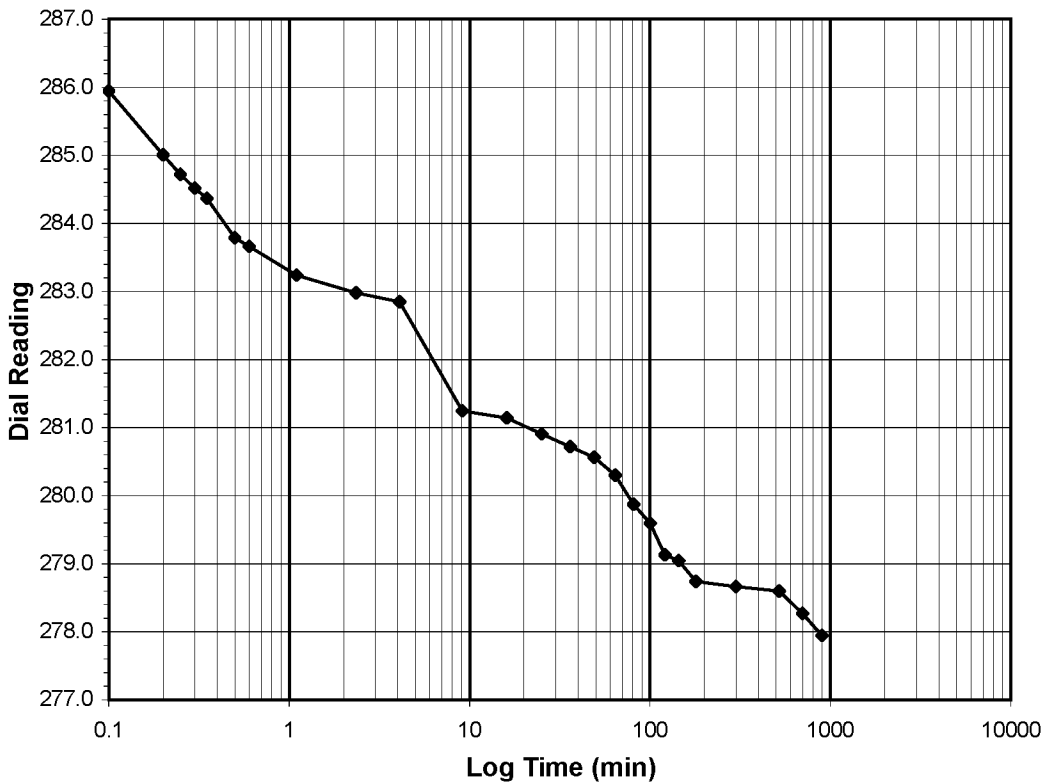
Boring No. R-7-1  
 Depth (ft) 246.0-246.5  
 Sample No. ST-8  
 Visual Description Gray Silty Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



Test Load (tsf)	4.0-1.0
Final Reading (div)	277.9
Consolidometer No.	G1421
1 Division (in)	0.0001
Start Date	10/30/13
Start Time	15:53:37

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>329.2</b>
0.10	285.9
0.20	285.0
0.25	284.7
0.30	284.5
0.35	284.4
0.50	283.8
0.60	283.7
1.10	283.2
2.35	283.0
4.10	282.8
9.10	281.2
16.10	281.1
25.12	280.9
36.12	280.7
49.12	280.6
64.12	280.3
81.12	279.9
100.12	279.6
121.12	279.1
144.12	279.0
180.12	278.7
300.12	278.7
520.12	278.6
700.12	278.3
900.27	277.9



Tested By DB Date 10/30/13 Checked By TM Date 12/5/13



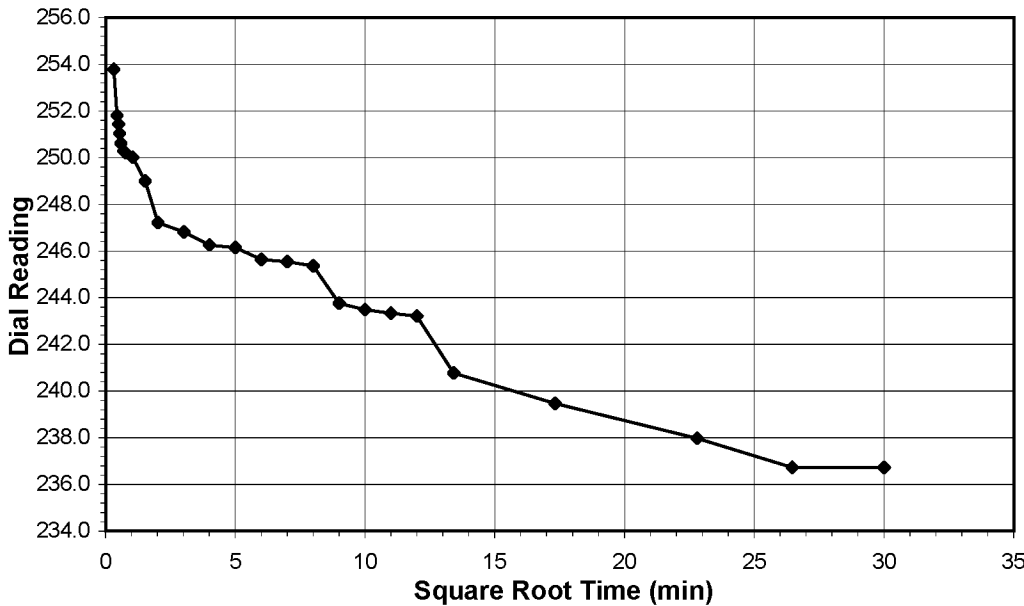
# ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-006

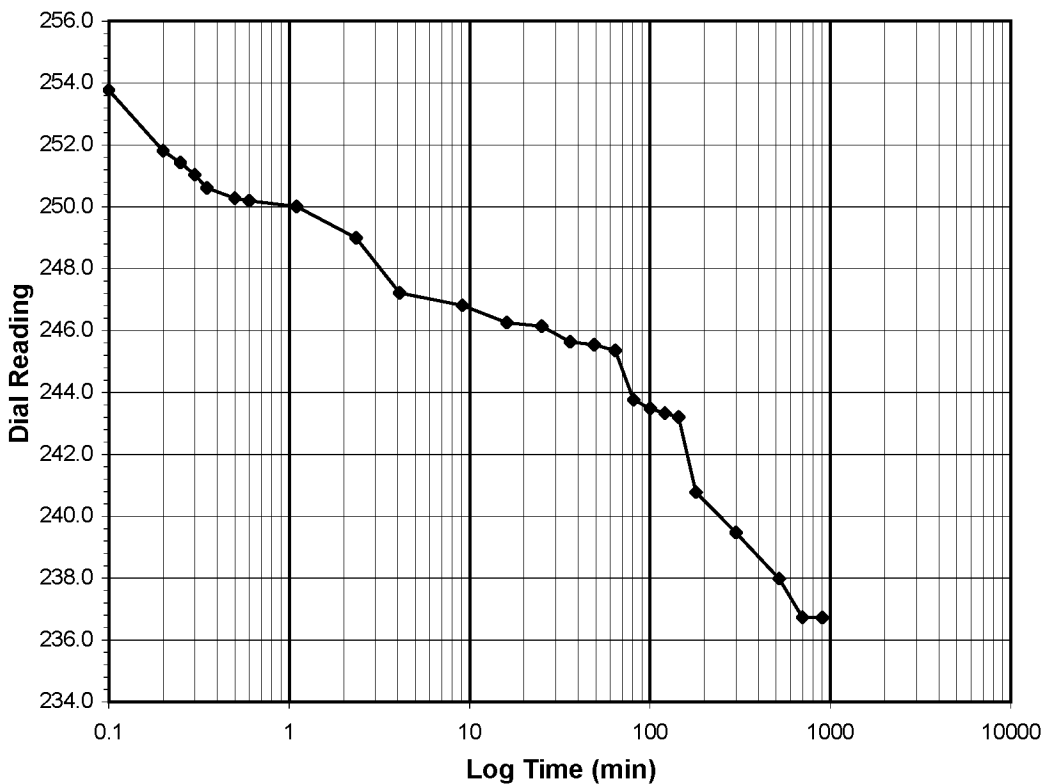
Boring No. R-7-1  
 Depth (ft) 246.0-246.5  
 Sample No. ST-8  
 Visual Description Gray Silty Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



Test Load (tsf)	1.0-0.25
Final Reading (div)	236.7
Consolidometer No.	G1421
1 Division (in)	0.0001
Start Date	10/31/13
Start Time	6:53:53

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>277.9</b>
0.10	253.8
0.20	251.8
0.25	251.4
0.30	251.0
0.35	250.6
0.50	250.3
0.60	250.2
1.10	250.0
2.35	249.0
4.10	247.2
9.10	246.8
16.10	246.3
25.10	246.1
36.10	245.6
49.10	245.5
64.10	245.4
81.10	243.8
100.10	243.5
121.12	243.3
144.12	243.2
180.12	240.8
300.12	239.5
520.12	238.0
700.12	236.7
900.40	236.7



Tested By DB Date 10/31/13 Checked By TM Date 12/5/13



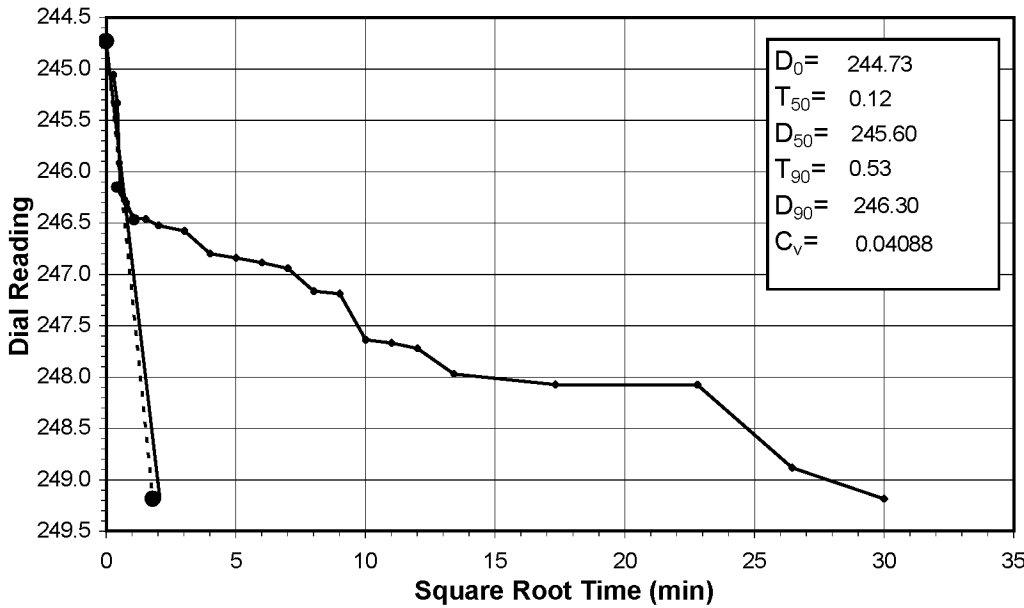
# ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-006

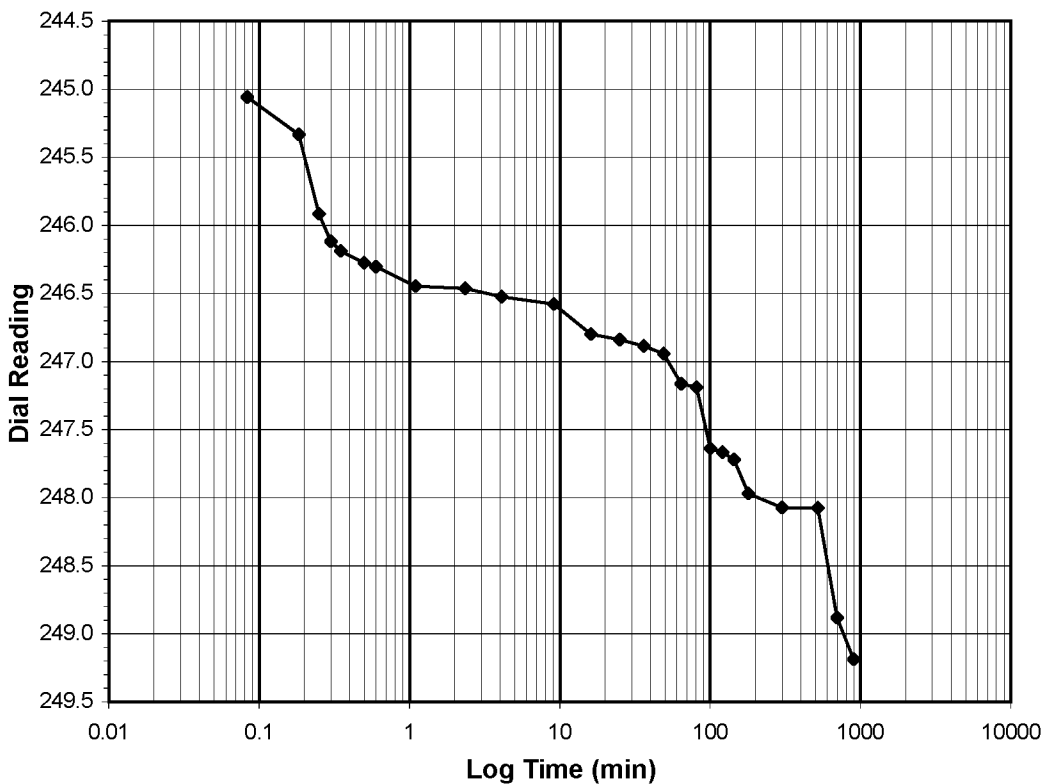
Boring No. R-7-1  
 Depth (ft) 246.0-246.5  
 Sample No. ST-8  
 Visual Description Gray Silty Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



**Test Load (tsf)** 0.25-0.5  
**Final Reading (div)** 249.2  
 Consolidometer No. **G1421**  
 1 Division (in) 0.0001  
 Start Date 10/31/13  
 Start Time 21:54:16

Elapsed Time (min)	Dial Reading (div)
<i>Initial</i>	<b>236.7</b>
0.08	245.1
0.18	245.3
0.25	245.9
0.30	246.1
0.35	246.2
0.50	246.3
0.60	246.3
1.10	246.4
2.35	246.5
4.10	246.5
9.12	246.6
16.12	246.8
25.12	246.8
36.12	246.9
49.12	246.9
64.12	247.2
81.12	247.2
100.12	247.6
121.12	247.7
144.12	247.7
180.12	248.0
300.12	248.1
520.12	248.1
700.12	248.9
900.32	249.2



Tested By **DB** Date **10/31/13** Checked By **TM** Date **12/5/13**

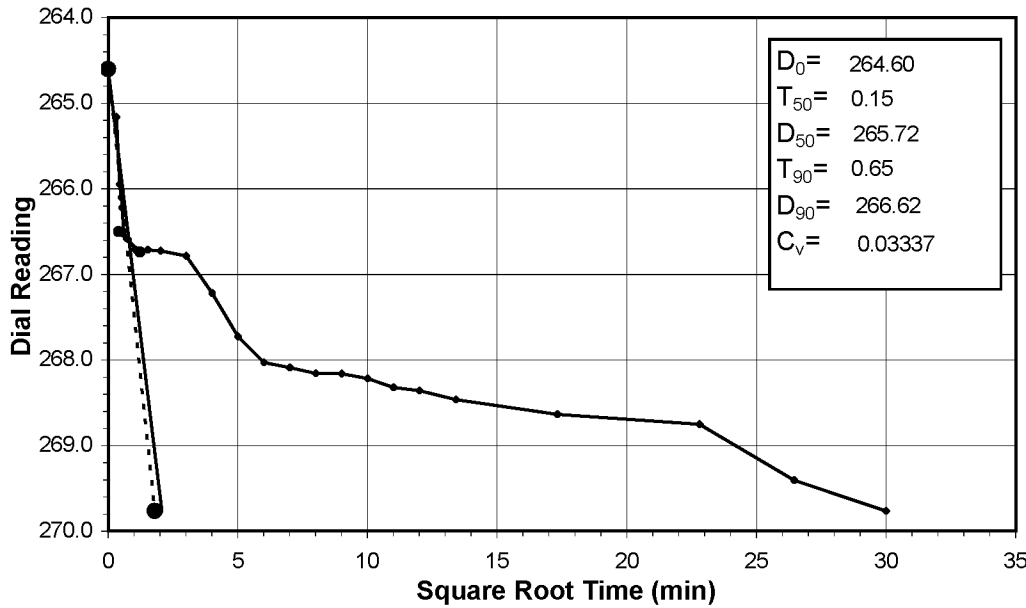
# ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-006

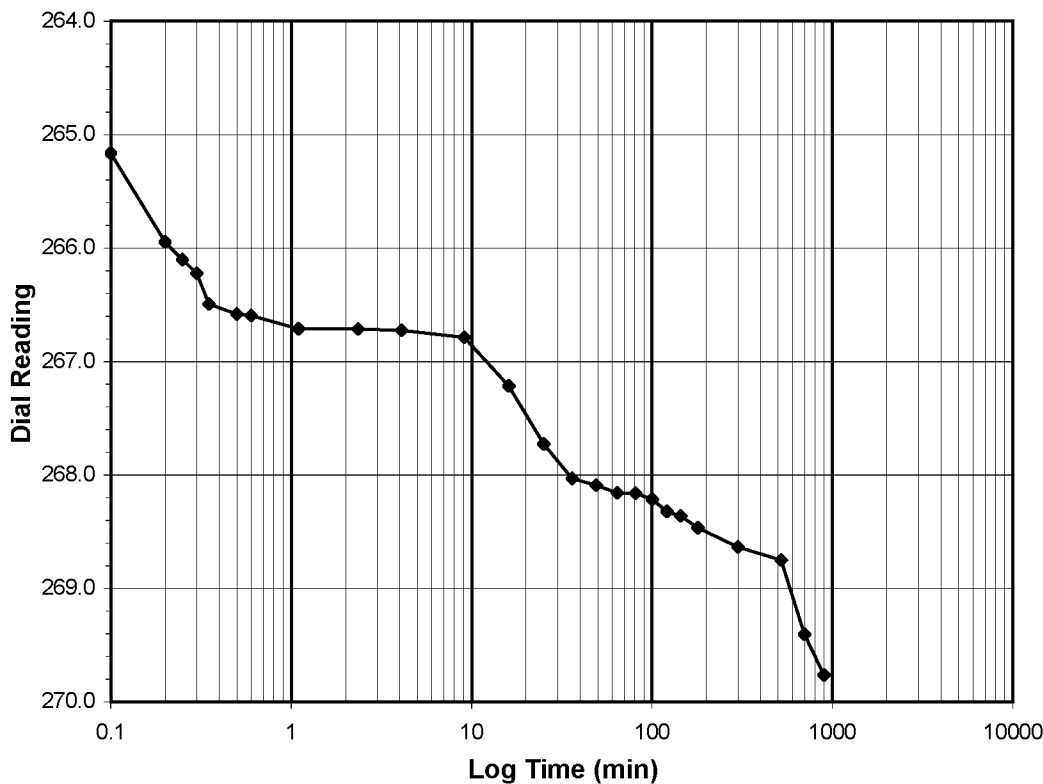
Boring No. R-7-1  
 Depth (ft) 246.0-246.5  
 Sample No. ST-8  
 Visual Description Gray Silty Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



**Test Load (tsf)** 0.5-1.0  
**Final Reading (div)** 269.8  
 Consolidometer No. G1421  
 1 Division (in) 0.0001  
 Start Date 11/1/13  
 Start Time 12:54:36

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>249.2</b>
0.10	265.2
0.20	265.9
0.25	266.1
0.30	266.2
0.35	266.5
0.50	266.6
0.60	266.6
1.10	266.7
2.35	266.7
4.10	266.7
9.10	266.8
16.10	267.2
25.10	267.7
36.10	268.0
49.10	268.1
64.10	268.2
81.10	268.2
100.10	268.2
121.10	268.3
144.10	268.4
180.10	268.5
300.10	268.6
520.10	268.8
700.12	269.4
900.28	269.8



Tested By DB Date 11/1/13 Checked By TM Date 12/5/13



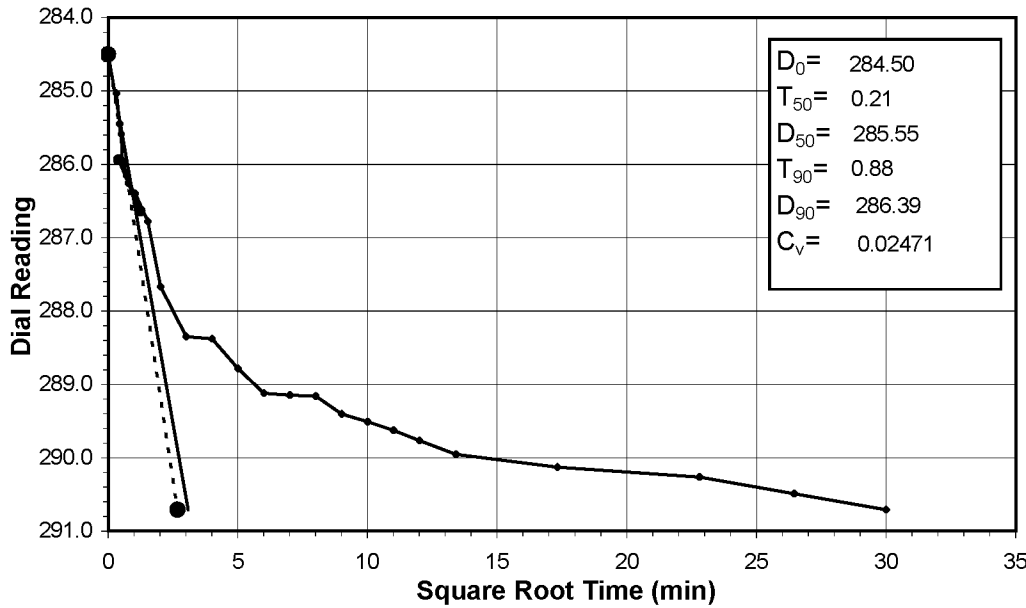
# ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-006

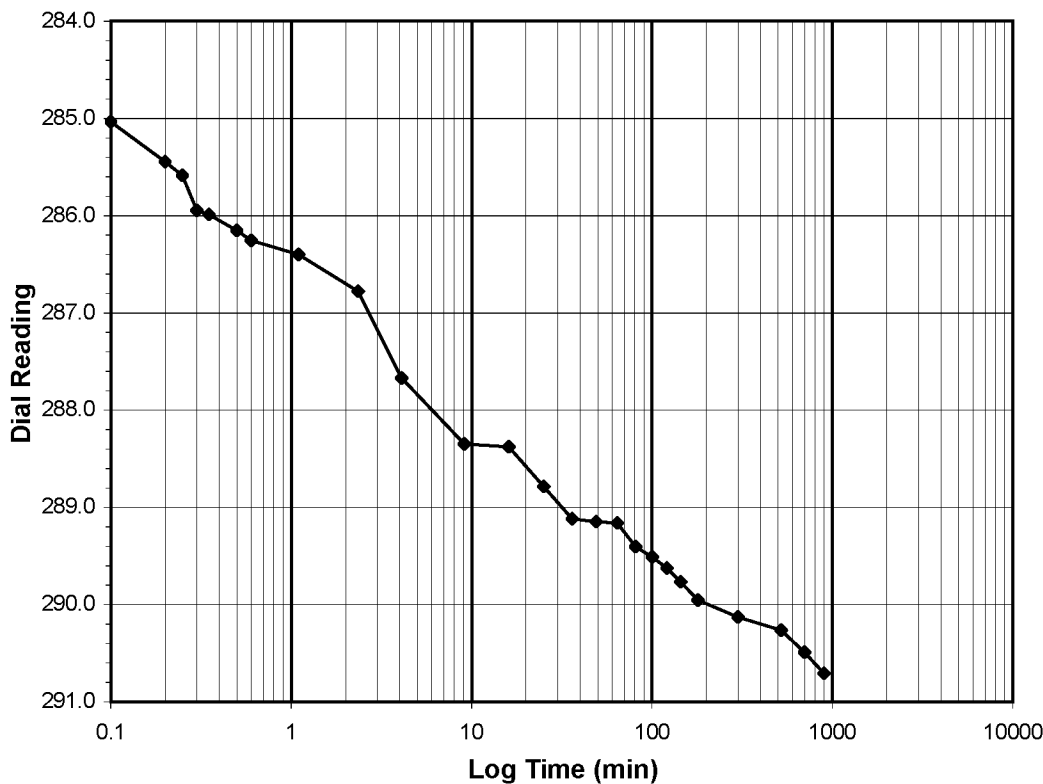
Boring No. R-7-1  
 Depth (ft) 246.0-246.5  
 Sample No. ST-8  
 Visual Description Gray Silty Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



Test Load (tsf)	1.0-2.0
Final Reading (div)	290.7
Consolidometer No.	G1421
1 Division (in)	0.0001
Start Date	11/2/13
Start Time	3:54:53

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>269.8</b>
0.10	285.0
0.20	285.4
0.25	285.6
0.30	285.9
0.35	286.0
0.50	286.2
0.60	286.3
1.10	286.4
2.35	286.8
4.10	287.7
9.10	288.3
16.10	288.4
25.10	288.8
36.12	289.1
49.12	289.1
64.12	289.2
81.12	289.4
100.12	289.5
121.12	289.6
144.12	289.8
180.12	290.0
300.12	290.1
520.12	290.3
700.12	290.5
900.12	290.7



Tested By DB Date 11/2/13 Checked By TM Date 12/5/13



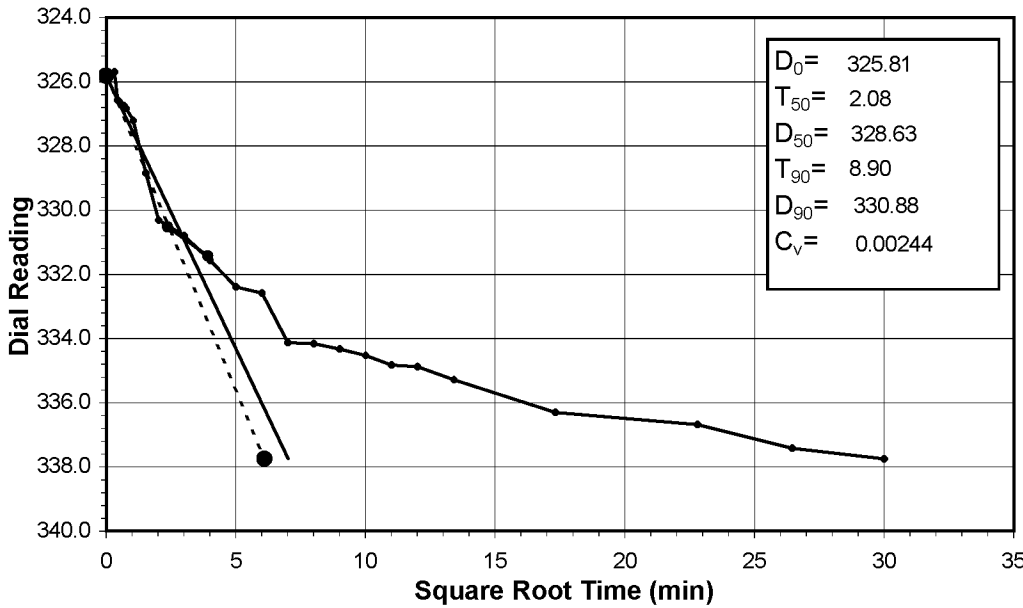
# ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-006

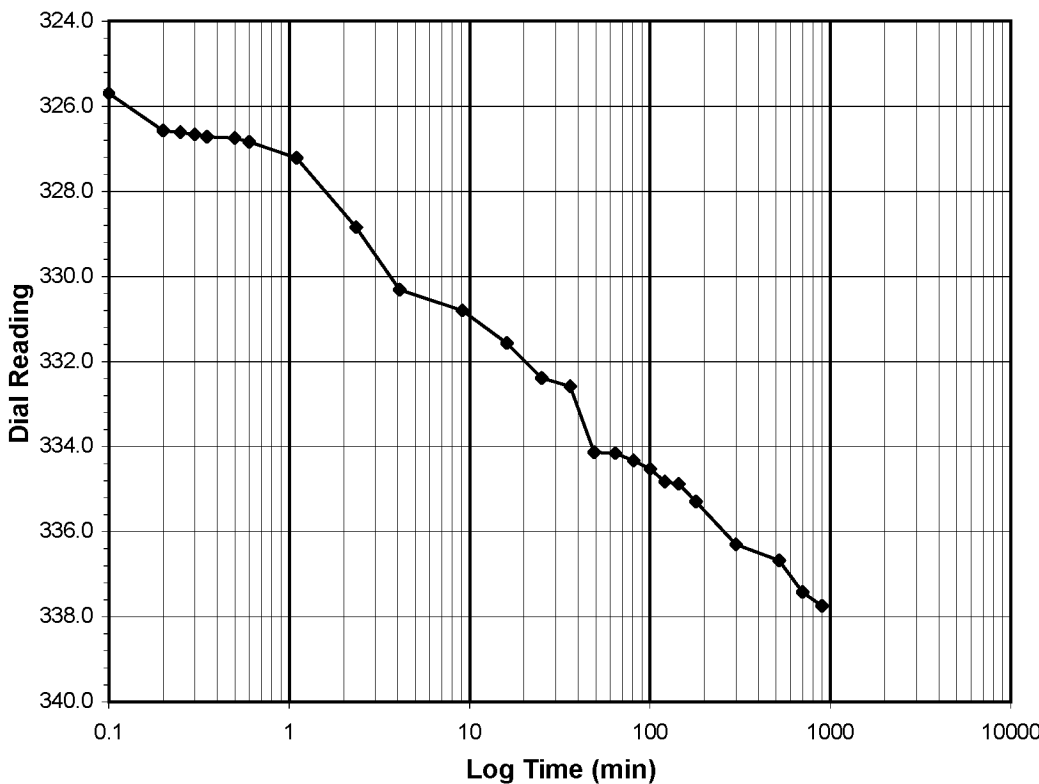
Boring No. R-7-1  
 Depth (ft) 246.0-246.5  
 Sample No. ST-8  
 Visual Description Gray Silty Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



**Test Load (tsf)** 2.0-4.0  
**Final Reading (div)** 337.7  
 Consolidometer No. G1421  
 1 Division (in) 0.0001  
 Start Date 11/2/13  
 Start Time 18:55:00

Elapsed Time (min)	Dial Reading (div)
<i>Initial</i>	<b>290.7</b>
0.10	325.7
0.20	326.6
0.25	326.6
0.30	326.7
0.35	326.7
0.50	326.7
0.60	326.8
1.10	327.2
2.35	328.8
4.10	330.3
9.10	330.8
16.12	331.6
25.12	332.4
36.12	332.6
49.12	334.1
64.12	334.2
81.12	334.3
100.12	334.5
121.12	334.8
144.12	334.9
180.12	335.3
300.12	336.3
520.12	336.7
700.12	337.4
900.10	337.7



Tested By DB Date 11/2/13 Checked By TM Date 12/5/13

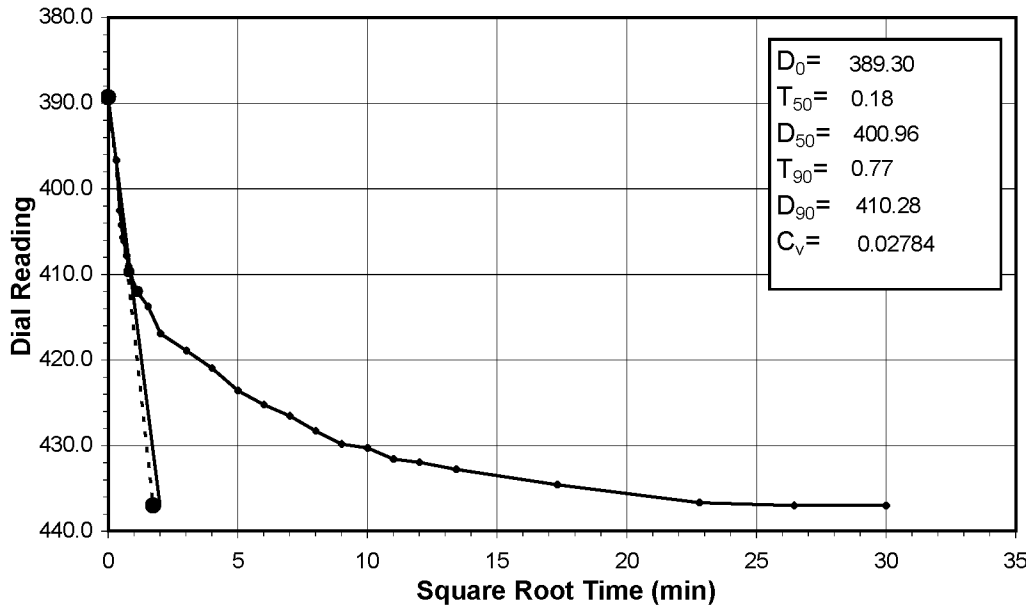
# ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-006

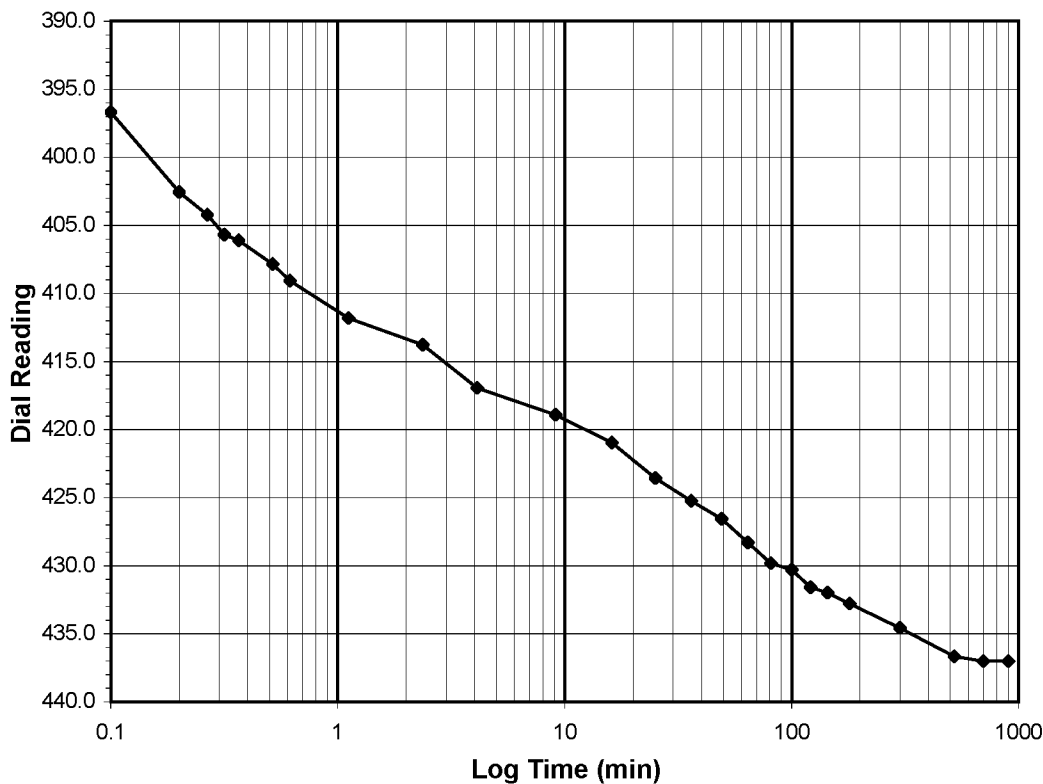
Boring No. R-7-1  
 Depth (ft) 246.0-246.5  
 Sample No. ST-8  
 Visual Description Gray Silty Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



**Test Load (tsf)** 4.0-8.0  
**Final Reading (div)** 437.0  
 Consolidometer No. **G1421**  
 1 Division (in) 0.0001  
 Start Date 11/3/13  
 Start Time 9:55:06

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>337.7</b>
0.10	396.7
0.20	402.5
0.27	404.2
0.32	405.7
0.37	406.1
0.52	407.8
0.62	409.1
1.12	411.8
2.37	413.8
4.12	416.9
9.12	418.9
16.12	421.0
25.12	423.6
36.12	425.2
49.12	426.5
64.12	428.3
81.12	429.8
100.12	430.3
121.12	431.6
144.12	432.0
180.13	432.8
300.13	434.6
520.13	436.7
700.13	437.0
900.28	437.0



Tested By DB Date 11/3/13 Checked By TM Date 12/5/13



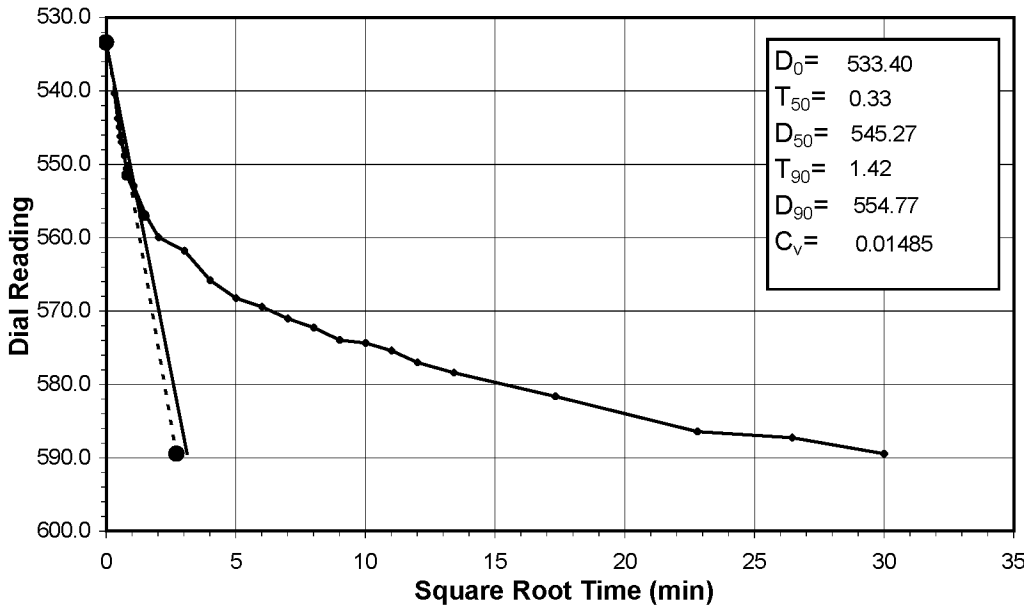
## ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-006

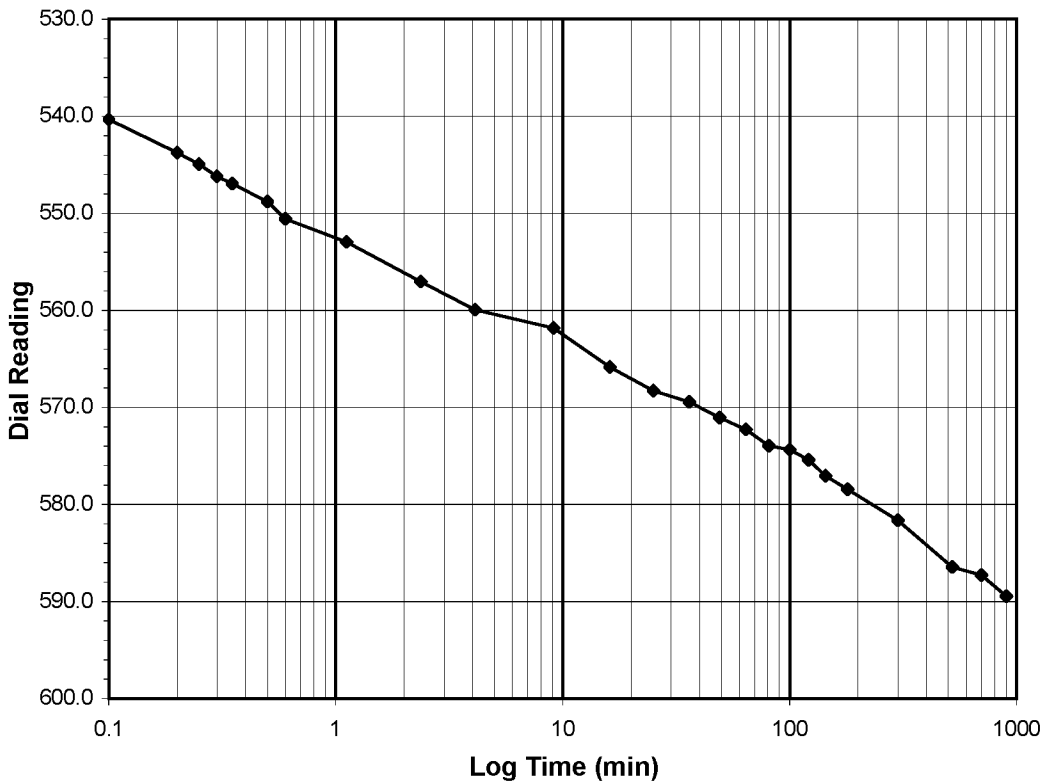
Boring No. R-7-1  
 Depth (ft) 246.0-246.5  
 Sample No. ST-8  
 Visual Description Gray Silty Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



<b>Test Load (tsf)</b>	<b>8.0-16.0</b>
<b>Final Reading (div)</b>	<b>589.5</b>
Consolidometer No.	<b>G1421</b>
1 Division (in)	0.0001
Start Date	11/4/13
Start Time	0:55:23

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>437.0</b>
0.10	540.3
0.20	543.7
0.25	544.9
0.30	546.2
0.35	546.9
0.50	548.8
0.60	550.6
1.12	552.9
2.37	557.0
4.12	559.9
9.12	561.8
16.12	565.8
25.12	568.3
36.12	569.4
49.12	571.1
64.12	572.3
81.12	574.0
100.12	574.3
121.12	575.4
144.12	577.0
180.12	578.4
300.12	581.6
520.12	586.4
700.12	587.3
900.45	589.5



Tested By **DB** Date **11/4/13** Checked By **TM** Date **12/5/13**

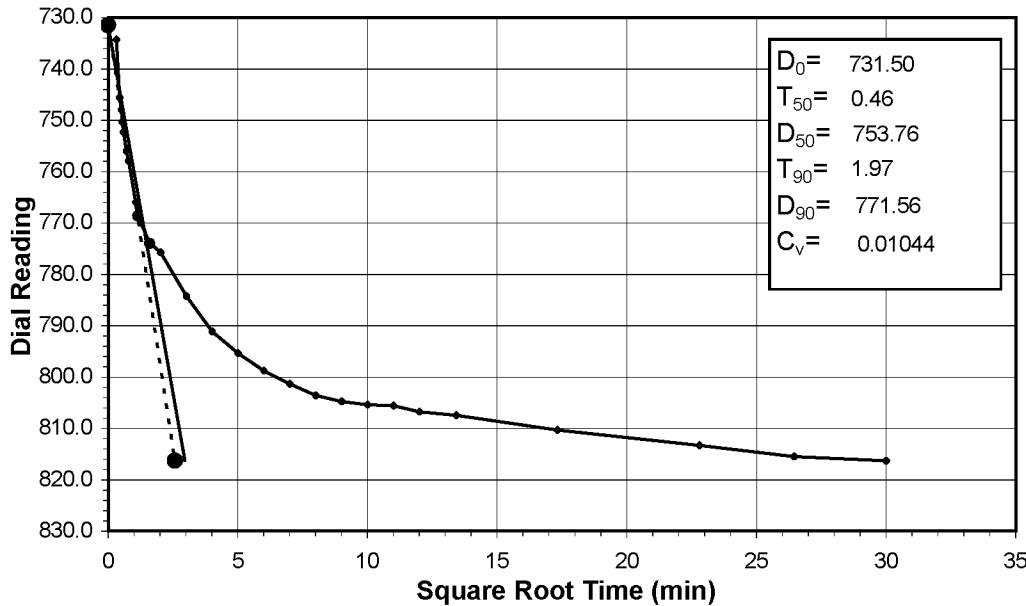
# ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-006

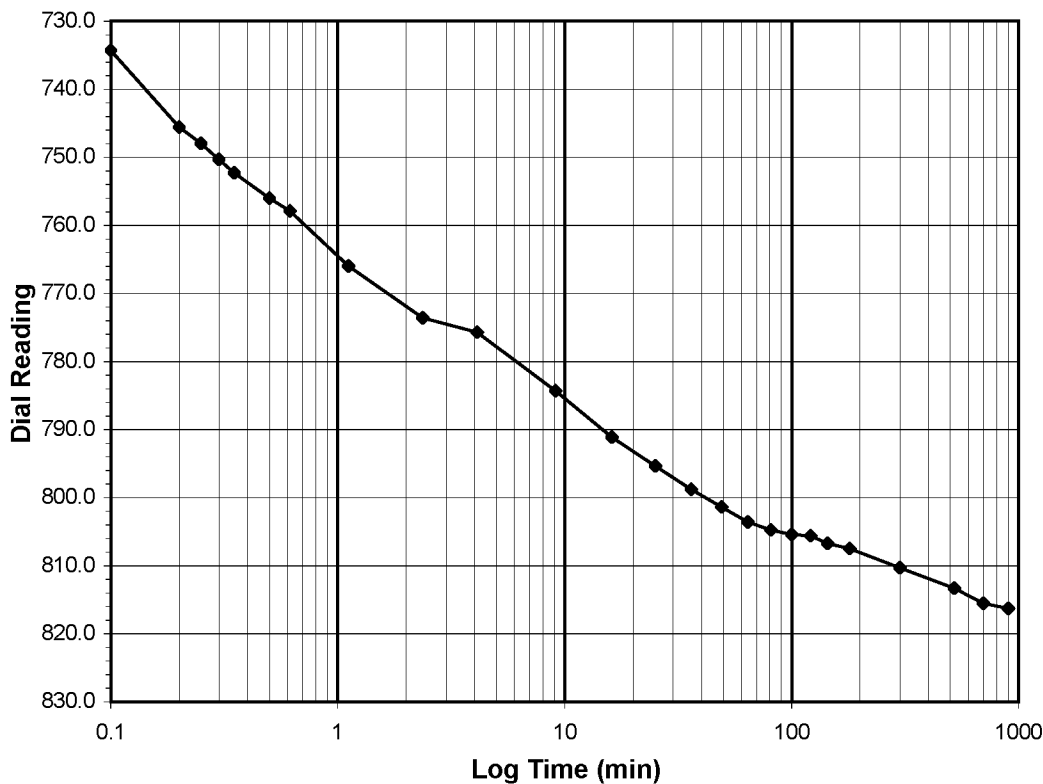
Boring No. R-7-1  
 Depth (ft) 246.0-246.5  
 Sample No. ST-8  
 Visual Description Gray Silty Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



**Test Load (tsf)** 16.0-32.0  
**Final Reading (div)** 816.3  
 Consolidometer No. **G1421**  
 1 Division (in) 0.0001  
 Start Date 11/4/13  
 Start Time 15:55:50

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>589.5</b>
0.10	734.3
0.20	745.6
0.25	748.0
0.30	750.3
0.35	752.3
0.50	756.0
0.62	757.9
1.12	766.0
2.37	773.6
4.12	775.7
9.12	784.3
16.12	791.1
25.12	795.3
36.12	798.8
49.12	801.4
64.12	803.6
81.13	804.8
100.13	805.4
121.13	805.6
144.13	806.7
180.13	807.5
300.13	810.3
520.13	813.3
700.13	815.5
900.22	816.3



Tested By DB Date 11/4/13 Checked By TM Date 12/5/13



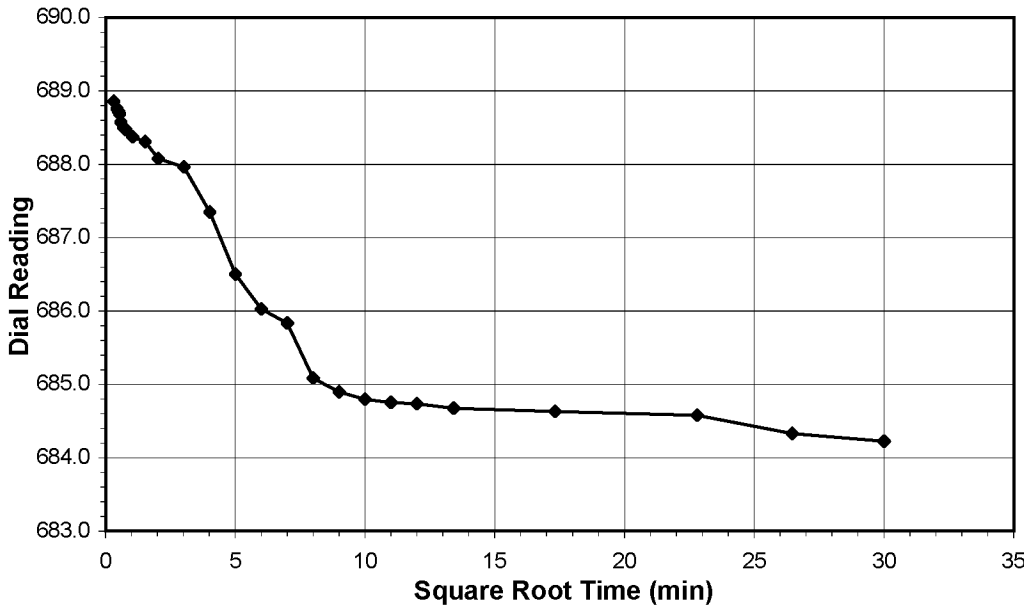
# ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-006

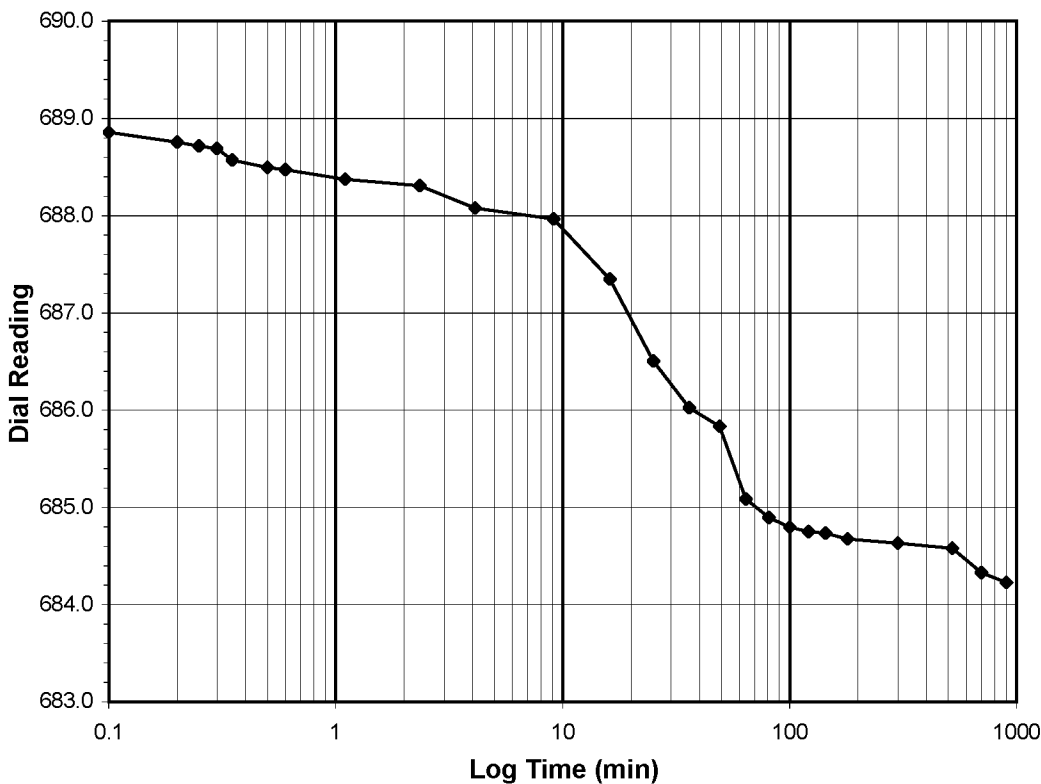
Boring No. R-7-1  
 Depth (ft) 246.0-246.5  
 Sample No. ST-8  
 Visual Description Gray Silty Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



Test Load (tsf)	32.0-8.0
Final Reading (div)	684.2
Consolidometer No.	G1421
1 Division (in)	0.0001
Start Date	11/5/13
Start Time	6:56:03

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>816.3</b>
0.10	688.9
0.20	688.8
0.25	688.7
0.30	688.7
0.35	688.6
0.50	688.5
0.60	688.5
1.10	688.4
2.35	688.3
4.12	688.1
9.12	688.0
16.12	687.3
25.12	686.5
36.12	686.0
49.12	685.8
64.12	685.1
81.12	684.9
100.12	684.8
121.12	684.8
144.12	684.7
180.12	684.7
300.13	684.6
520.13	684.6
700.13	684.3
900.27	684.2



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



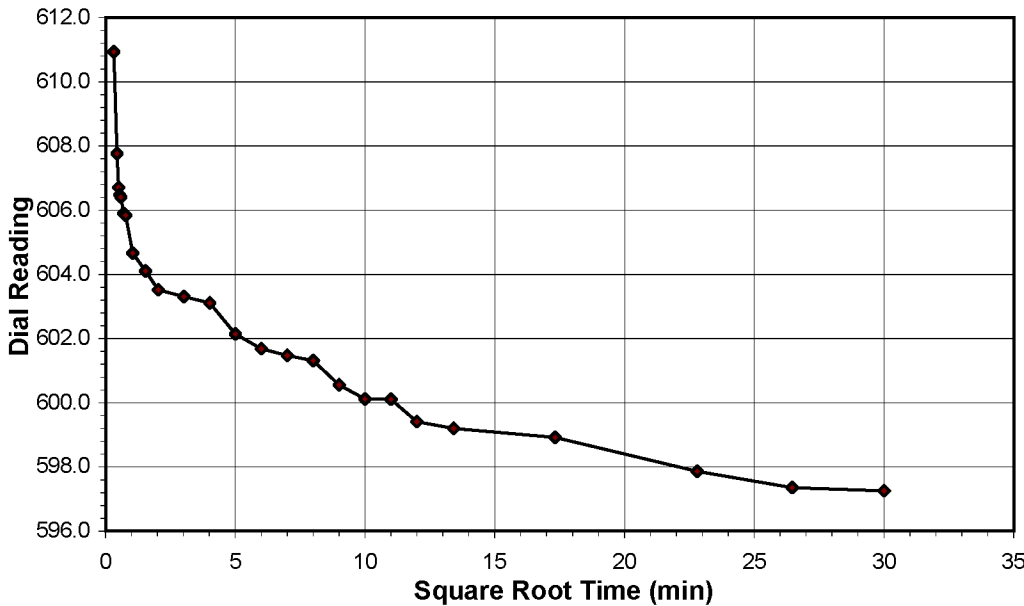
# ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-006

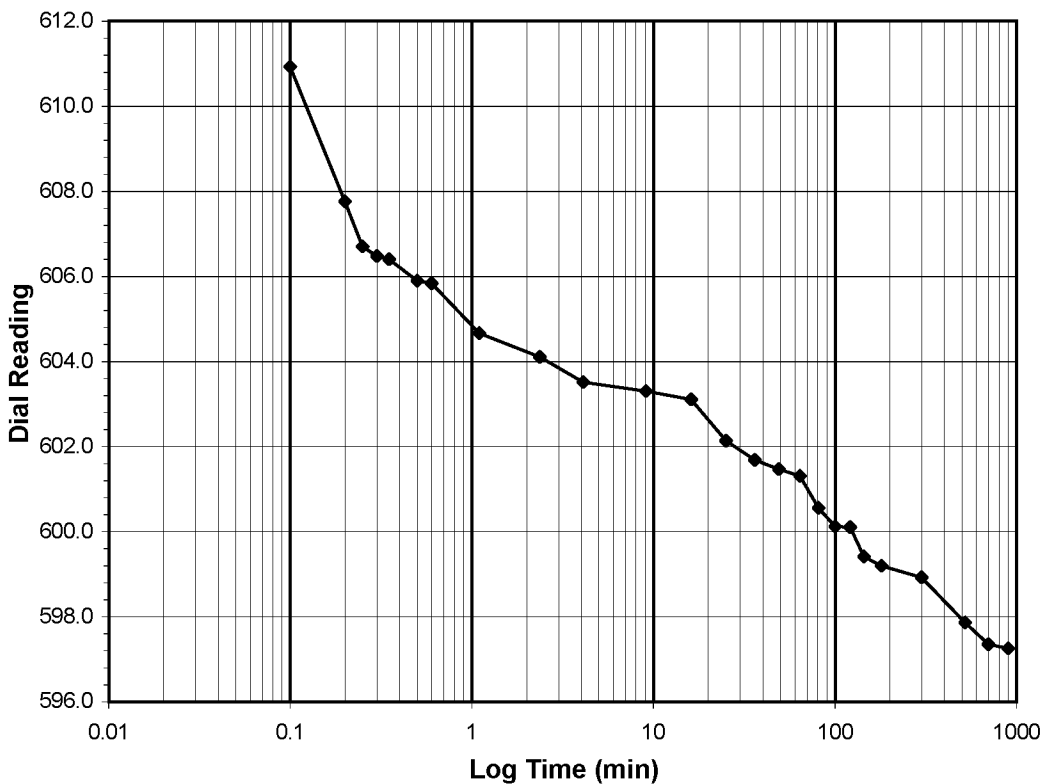
Boring No. R-7-1  
 Depth (ft) 246.0-246.5  
 Sample No. ST-8  
 Visual Description Gray Silty Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



**Test Load (tsf)** 8.0-2.0  
**Final Reading (div)** 597.3  
 Consolidometer No. G1421  
 1 Division (in) 0.0001  
 Start Date 11/5/13  
 Start Time 21:56:19

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>684.2</b>
0.10	610.9
0.20	607.8
0.25	606.7
0.30	606.5
0.35	606.4
0.50	605.9
0.60	605.8
1.10	604.7
2.37	604.1
4.12	603.5
9.12	603.3
16.12	603.1
25.12	602.1
36.12	601.7
49.12	601.5
64.12	601.3
81.12	600.6
100.12	600.1
121.12	600.1
144.12	599.4
180.12	599.2
300.12	598.9
520.12	597.9
700.13	597.4
900.32	597.3



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



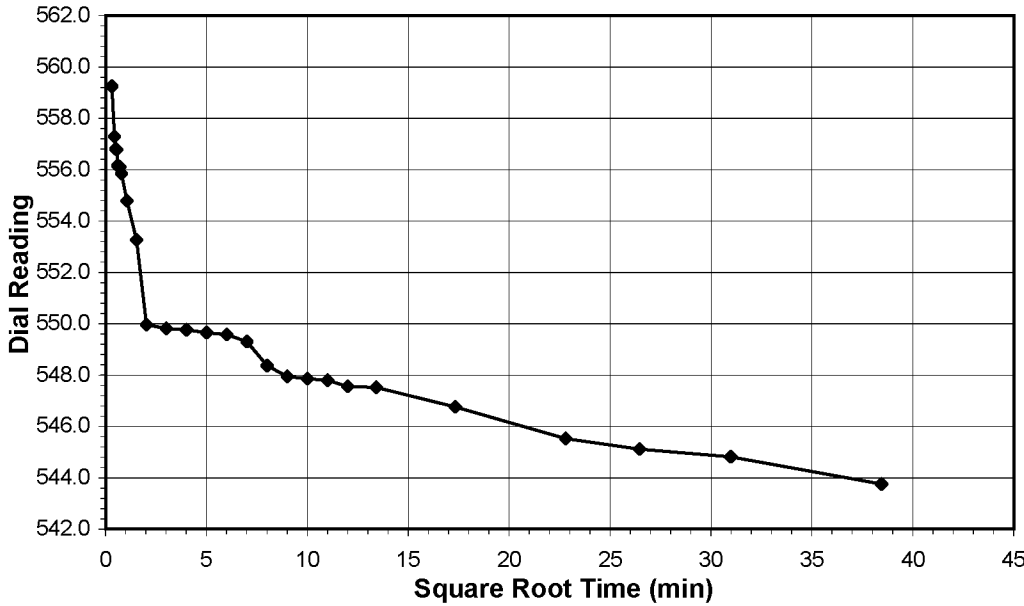
# ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-006

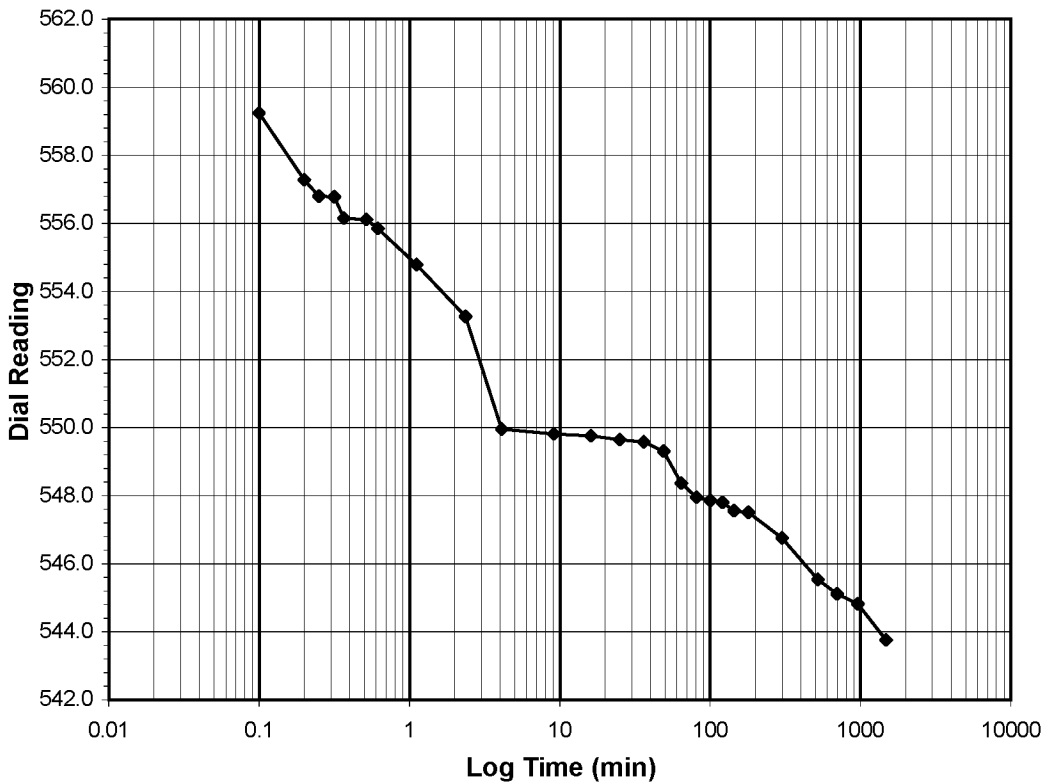
Boring No. R-7-1  
 Depth (ft) 246.0-246.5  
 Sample No. ST-8  
 Visual Description Gray Silty Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



<b>Test Load (tsf)</b>	<b>2.0-0.5</b>
<b>Final Reading (div)</b>	<b>543.8</b>
Consolidometer No.	<b>G1421</b>
1 Division (in)	0.0001
Start Date	11/6/13
Start Time	12:56:38

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>597.3</b>
0.10	559.2
0.20	557.3
0.25	556.8
0.32	556.8
0.37	556.2
0.52	556.1
0.62	555.8
1.12	554.8
2.37	553.3
4.12	550.0
9.12	549.8
16.12	549.8
25.12	549.6
36.13	549.6
49.13	549.3
64.13	548.4
81.13	547.9
100.13	547.9
121.13	547.8
144.13	547.6
180.13	547.5
300.13	546.8
520.13	545.5
700.13	545.1
960.13	544.8
1478.50	543.8



Tested By DB Date 11/6/13 Checked By TM Date 12/5/13

**ONE DIMENSIONAL CONSOLIDATION**

ASTM D2435 / D2435M-11

Client	Paul C. Rizzo & Associates	Boring No.	R-7-1
Client Reference	Turkey Point Units 6 & 7 Site	Depth (ft)	246.0-246.5
Project No.	2013-465-001	Sample No.	ST-8
Lab ID	2013-465-001-006	Visual Description	Gray Silty Sand

**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>							
<i>Water Content</i>			<b>Applied Pressure</b>	<b>Final Dial Reading</b>	<b>Machine Deflection</b>	<b>Corrected Reading</b>	<b>Height of Sample</b>	<b>Volume</b>	<b>Dry Density</b>	<b>Void Ratio</b>
Tare Number	2513	2752	(tsf)	(div)	(div)	(div)	(mm)	(cm <sup>3</sup> )	(g/cm <sup>3</sup> )	
Wt. Tare & WS (g)	186.21	160.82	Seating	0	0	0	25.400	80.440	1.56613	<b>0.67930</b>
Wt. Tare & DS (g)	153.33	131.69	0.25	70.2	17.7	52.5	25.267	80.018	1.57440	<b>0.67048</b>
Wt. Water (g)	32.88	29.13	0.5	110.9	26.9	84.0	25.187	79.764	1.57940	<b>0.66519</b>
Wt. Tare (g)	8.45	6.90	1	171.8	36.4	135.3	25.056	79.351	1.58761	<b>0.65657</b>
Wt. DS (g)	144.88	124.79	2	238.8	63.4	175.4	24.954	79.029	1.59410	<b>0.64983</b>
Water Content (%)	22.69	23.34	4	329.2	93.2	236.1	24.800	78.541	1.60400	<b>0.63965</b>
<b><u>Sample Parameters</u></b>			1	277.9	48.6	229.4	24.817	78.595	1.60290	<b>0.64078</b>
Sample Diameter (in)	2.5	2.5	0.25	236.7	26.1	210.6	24.865	78.746	1.59983	<b>0.64393</b>
Sample Height (in)	1.0000	0.9493	0.5	249.2	31.3	217.9	24.847	78.687	1.60102	<b>0.64270</b>
Sample Volume (cm <sup>3</sup> )	80.44	76.36	1	269.8	45.2	224.6	24.830	78.633	1.60211	<b>0.64158</b>
Wt. Wet Sample + Ring (g)	369.64	370.46	2	290.7	64.7	226.0	24.826	78.622	1.60235	<b>0.64134</b>
Wt. of Ring (g)	215.07	215.07	4	337.7	93.4	244.3	24.779	78.475	1.60535	<b>0.63827</b>
Wt. of Wet Sample (g)	154.57	155.39	8	437.0	126.0	311.0	24.610	77.938	1.61640	<b>0.62707</b>
Wet Density (pcf)	119.91	126.98	16	589.5	170.6	418.8	24.336	77.071	1.63460	<b>0.60896</b>
Wet Density (g/cm <sup>3</sup> )	1.92	2.03	32	816.3	241.5	574.8	23.940	75.816	1.66165	<b>0.58277</b>
Water Content (%)	22.69	23.34	8	684.2	140.4	543.9	24.019	76.065	1.65621	<b>0.58797</b>
Wt. of Dry Sample (g)	125.98	125.98	2	597.3	80.8	516.5	24.088	76.285	1.65142	<b>0.59257</b>
Dry Density (pcf)	97.73	102.94	0.5	543.8	36.9	506.9	24.113	76.362	1.64976	<b>0.59418</b>
Dry Density (g/cm <sup>3</sup> )	1.57	1.65								
Void Ratio	0.6793	0.5942								
Saturation (%)	87.87	103.32								
Specific Gravity	2.63	Measured								
			<b>Tested By</b>	<b>DB</b>	<b>Date</b>	<b>10/25/13</b>	<b>Input Checked By</b>	<b>TM</b>	<b>Date</b>	<b>12/5/13</b>

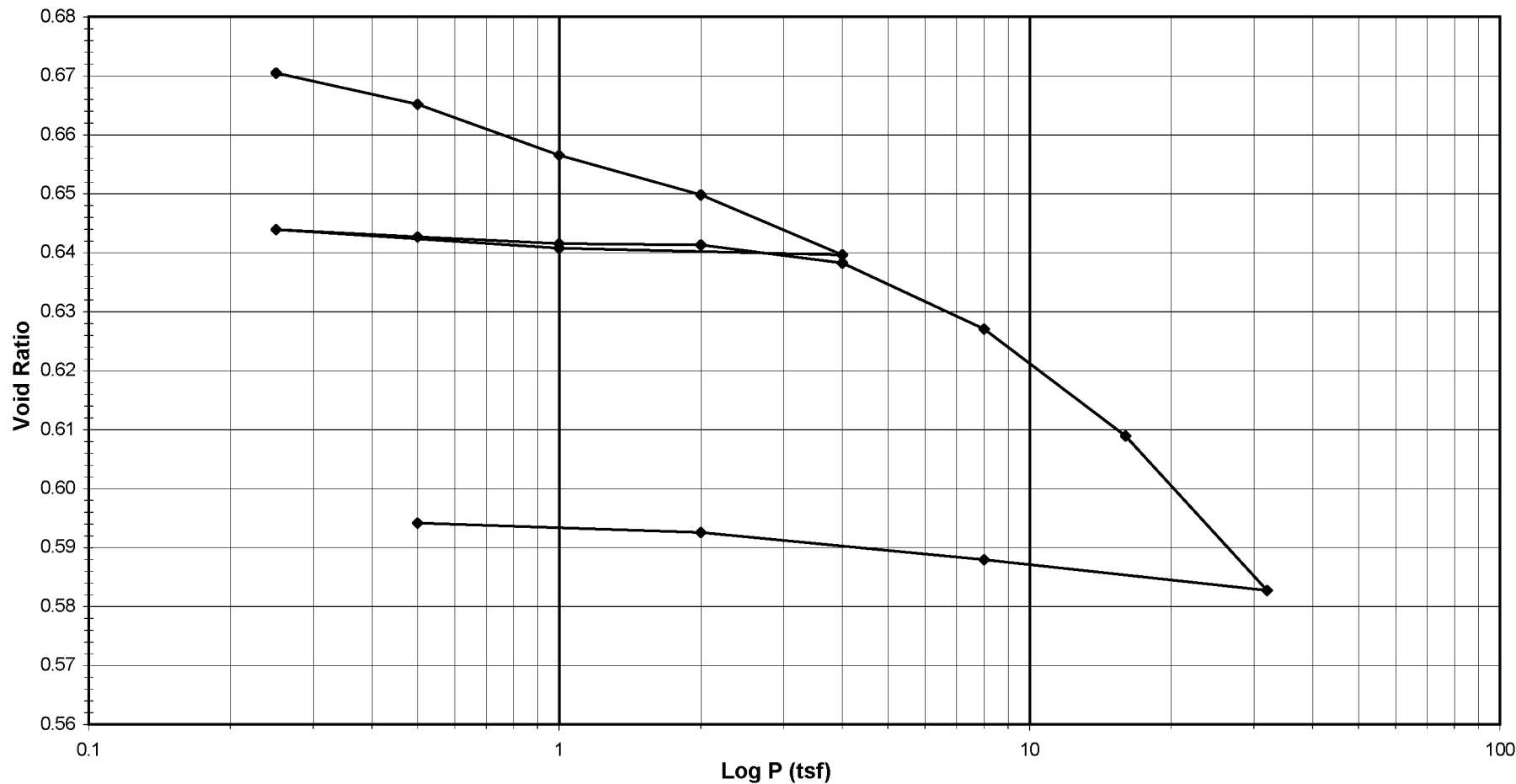
# ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Reference Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-006

Boring No. R-7-1  
 Depth (ft) 246.0-246.5  
 Sample No. ST-8  
 Visual Description Gray Silty Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



Tested By DB Date 10/25/13 Approved By RJO Date 12/5/13

**ONE DIMENSIONAL CONSOLIDATION**

ASTM D2435 / D2435M-11

Client	Paul C. Rizzo & Associates	Boring No.	R-7-1
Client Reference	Turkey Point Units 6 & 7 Site	Depth (ft)	246.0-246.5
Project No.	2013-465-001	Sample No.	ST-8
Lab ID	2013-465-001-006	Visual Description	Gray Silty Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained**Consolidometer No.** G1421**1 Division** = 0.0001 (in)**C<sub>v</sub> Test Data Summary**

<b>Sample Properties</b>	<b>Initial</b>	<b>Final</b>	<b>Load Increment</b>	<b>Dial Reading @ t<sub>50</sub></b>	<b>Machine Deflection</b>	<b>Corrected Dial Reading @ t<sub>50</sub></b>	<b>Sample Height @ t<sub>50</sub></b>	<b>Time t<sub>50</sub></b>	<b>C<sub>v</sub></b>
			(tsf)	(div)	(div)	(div)	(mm)	(min)	(cm <sup>2</sup> /sec)
<i>Water Content</i>									
Tare Number	2513	2752							
Wt. Tare & WS (g)	186.21	160.82							
Wt. Tare & DS (g)	153.33	131.69							
Wt. Water (g)	32.88	29.13	Seating	NA	NA	NA	NA	NA	NA
Wt. Tare (g)	8.45	6.9	0.25	45.1	17.7	27.5	25.3	0.4	0.01446
Wt. DS (g)	144.88	124.79	0.5	100.5	26.9	73.6	25.2	3.7	0.00141
Water Content (%)	22.69	23.34	1	150.6	36.4	114.2	25.110	1.06	0.00488
			2	213.8	63.4	150.4	25.018	0.23	0.02220
			4	295.7	93.2	202.6	24.886	0.60	0.00857
<b><u>Sample Parameters</u></b>			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	0.9493	0.5	245.6	31.3	214.3	24.9	0.1	0.04088
Sample Volume (cm <sup>3</sup> )	80.44	76.36	1	265.7	45.2	220.5	24.8	0.2	0.03337
Wt. Wet Sample + Ring (g)	369.64	370.46	2	285.6	64.7	220.9	24.839	0.21	0.02471
Wt. of Ring (g)	215.07	215.07	4	328.6	93.4	235.2	24.803	2.08	0.00244
Wt. of Wet Sample (g)	154.57	155.39	8	401.0	126.0	274.9	24.702	0.18	0.02784
Wet Density (pcf)	119.91	126.98	16	545.3	170.6	374.7	24.448	0.33	0.01485
Wet Density (g/cm <sup>3</sup> )	1.92	2.03	32	753.8	241.5	512.3	24.099	0.46	0.01044
Water Content (%)	22.69	23.34	8	NA	NA	NA	NA	NA	NA
Wt. of Dry Sample (g)	125.98	125.98	2	NA	NA	NA	NA	NA	NA
Dry Density (pcf)	97.73	102.94	0.5	NA	NA	NA	NA	NA	NA
Dry Density (g/cm <sup>3</sup> )	1.57	1.65							
Void Ratio	0.6793	0.5942							
Saturation (%)	87.87	103.32							
Specific Gravity	2.63	Measured							

<b>Tested By</b>	DB	<b>Date</b>	10/25/13	<b>Input Checked By</b>	TM	<b>Date</b>	12/5/13
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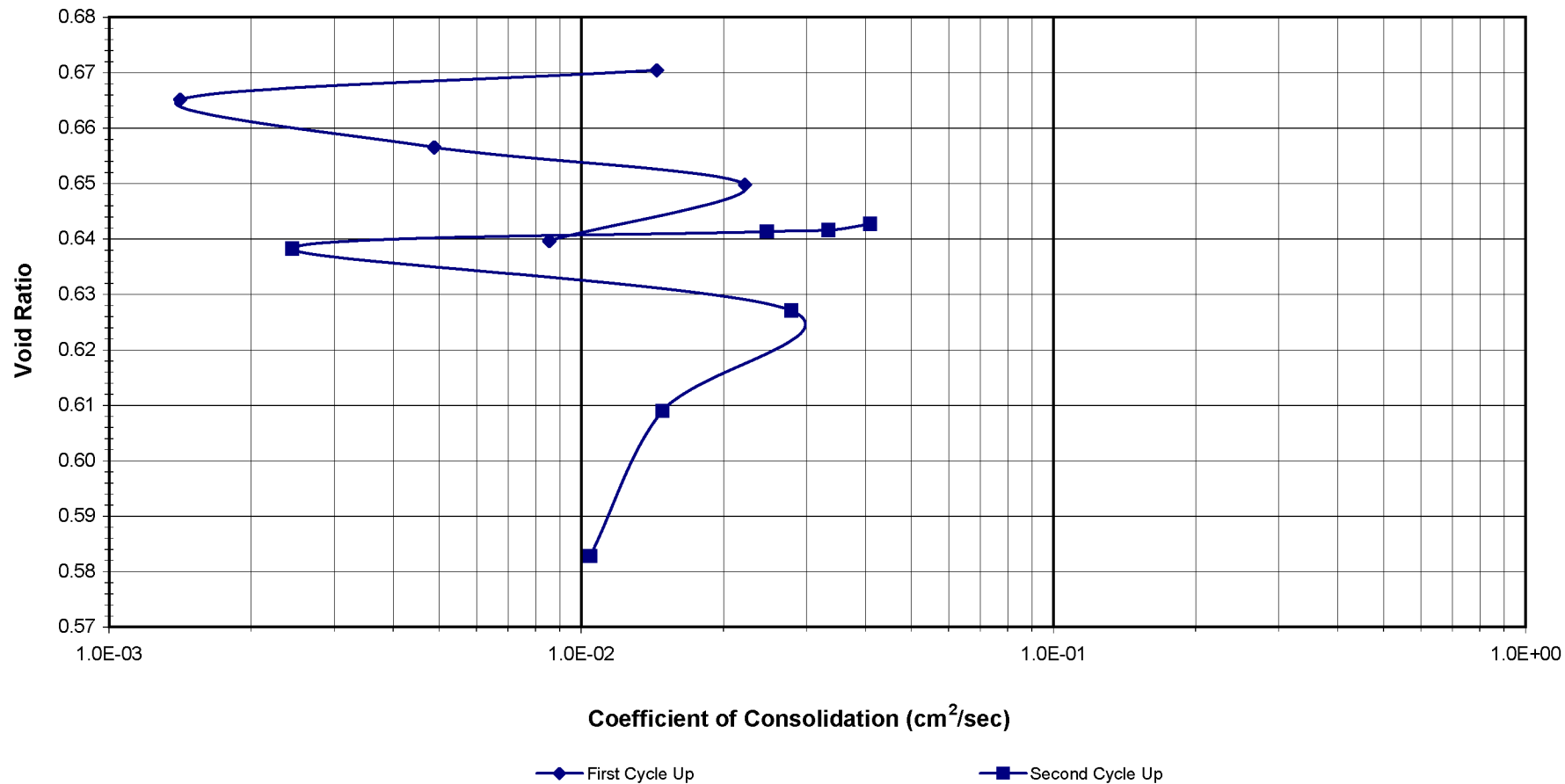
# ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Reference Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-006

Boring No. R-7-1  
 Depth (ft) 246.0-246.5  
 Sample No. ST-8  
 Visual Description Gray Silty Sand

Sample Conditions: Undisturbed, Inundated And Double Drained



Tested By DB Date 10/25/13

Approved By RJO Date 12/5/13

## One Dimensional Consolidation

ASTM D2435 / D2435M-11

### EQUIPMENT LIST

Client	Paul C. Rizzo & Associates	Boring No.	R-7-1
Client Reference	Turkey Point Units 6 & 7 Site	Depth (ft)	246.0-246.5
Project No.	2013-465-001	Sample No.	ST-8
Lab ID #	2013-465-001-006		

Equipment	Equipment ID#	Calibration Due Date
Calipers	G1122	12/3/13
Balance	G1393	5/13/14
Oven	G624	11/9/13
Consolidometer	G1421	1/9/14
Load Cell	G1422	1/9/14
LVDT	G1423	1/9/14



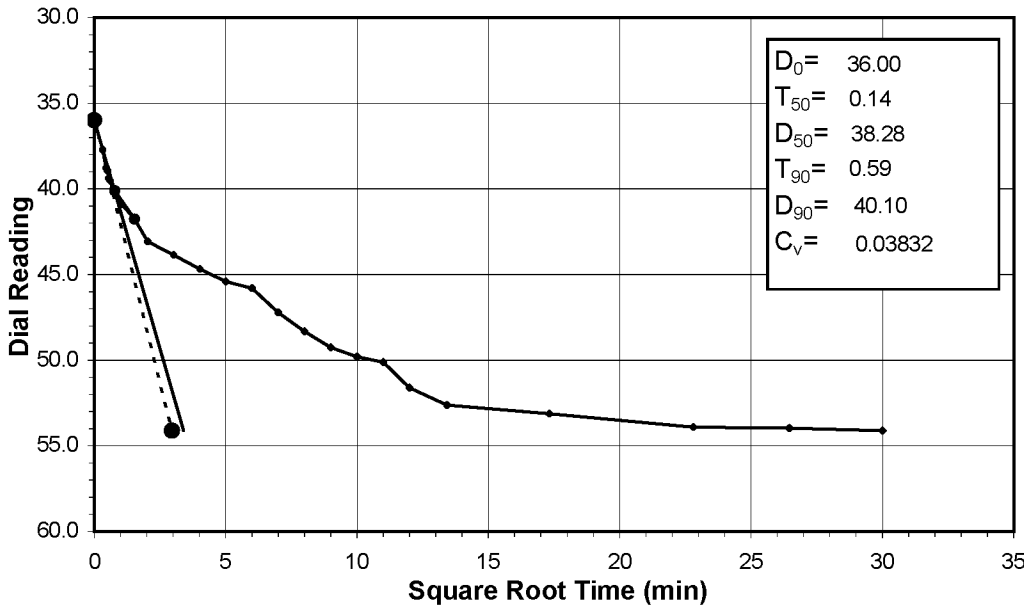
# ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-008

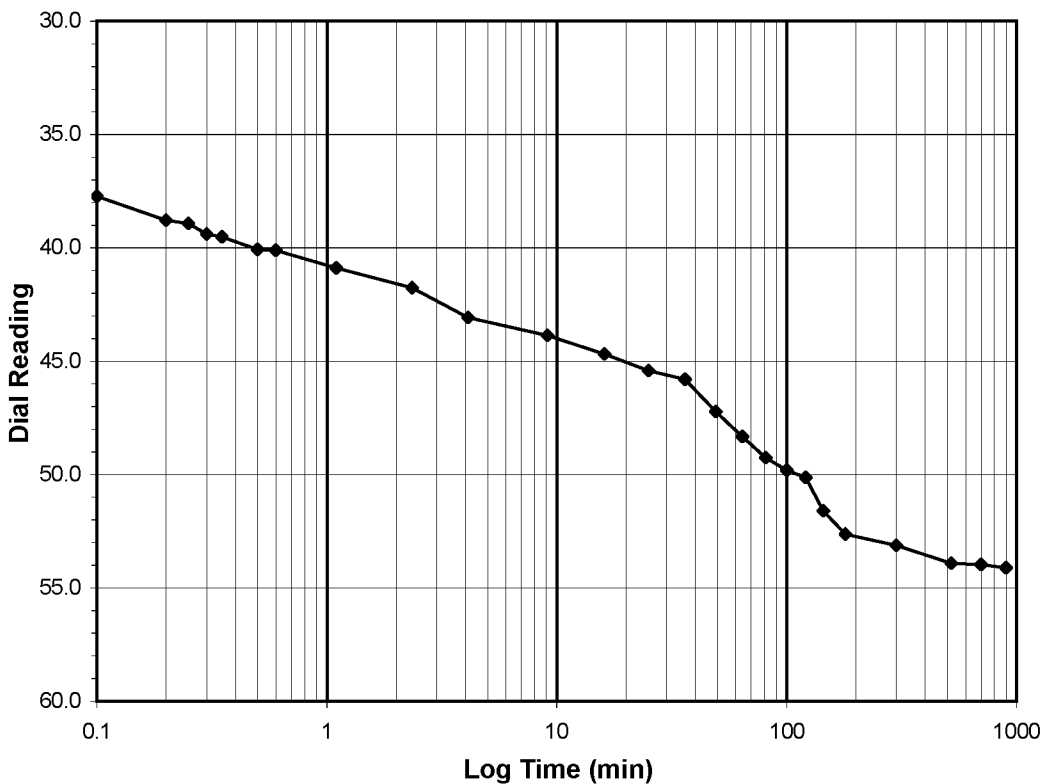
Boring No. R-7-1  
 Depth (ft) 266.9-267.1  
 Sample No. ST-10  
 Visual Description Gray Silty Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



**Test Load (tsf)** 0.0-0.25  
**Final Reading (div)** 54.1  
 Consolidometer No. **G1427**  
 1 Division (in) 0.0001  
 Start Date 11/19/13  
 Start Time 13:09:30

Elapsed Time (min)	Dial Reading (div)
<i>Initial</i>	<b>0.0</b>
0.10	37.7
0.20	38.8
0.25	38.9
0.30	39.4
0.35	39.5
0.50	40.1
0.60	40.1
1.10	40.9
2.35	41.8
4.12	43.1
9.12	43.9
16.12	44.7
25.12	45.4
36.12	45.8
49.12	47.2
64.12	48.3
81.12	49.3
100.12	49.8
121.12	50.1
144.12	51.6
180.12	52.6
300.12	53.1
520.12	53.9
700.12	54.0
900.07	54.1



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

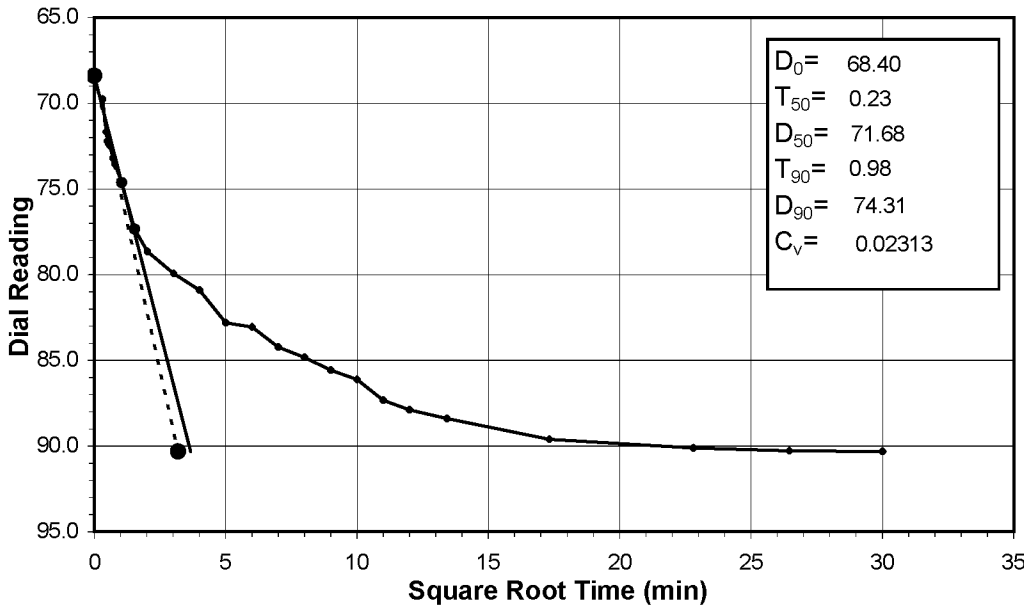
# ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-008

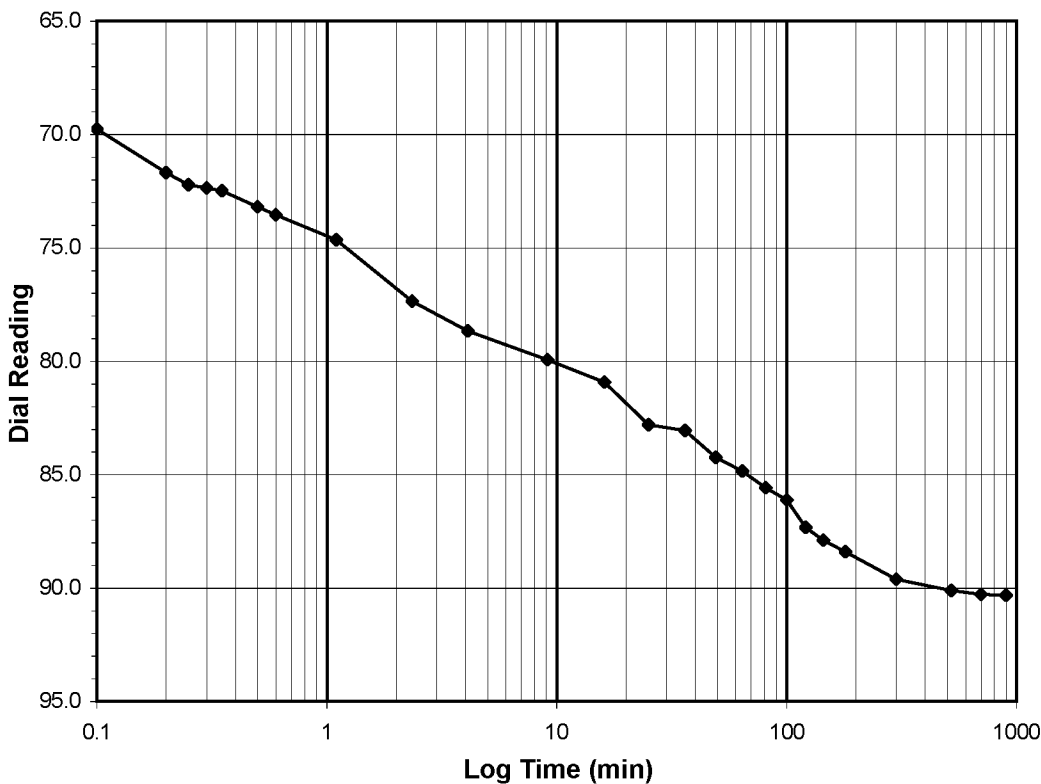
Boring No. R-7-1  
 Depth (ft) 266.9-267.1  
 Sample No. ST-10  
 Visual Description Gray Silty Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



**Test Load (tsf)** 0.25-0.5  
**Final Reading (div)** 90.3  
 Consolidometer No. **G1427**  
 1 Division (in) 0.0001  
 Start Date 11/20/13  
 Start Time 4:09:34

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>54.1</b>
0.10	69.8
0.20	71.7
0.25	72.2
0.30	72.4
0.35	72.5
0.50	73.2
0.60	73.5
1.10	74.6
2.35	77.3
4.10	78.7
9.10	79.9
16.10	80.9
25.10	82.8
36.10	83.0
49.10	84.2
64.10	84.8
81.10	85.6
100.12	86.1
121.12	87.3
144.12	87.9
180.12	88.4
300.12	89.6
520.12	90.1
700.12	90.3
900.50	90.3



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

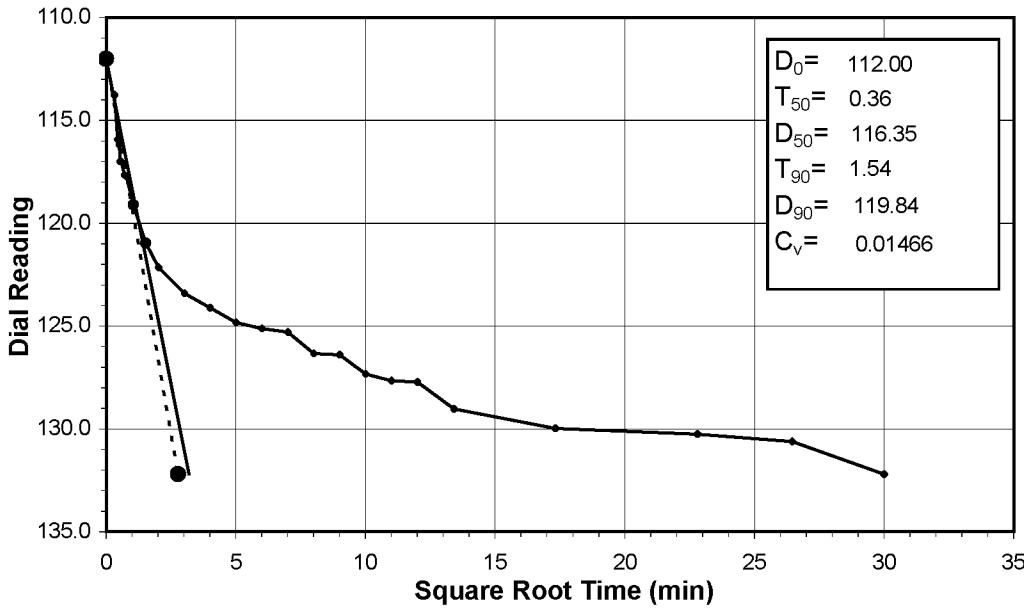
## ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-008

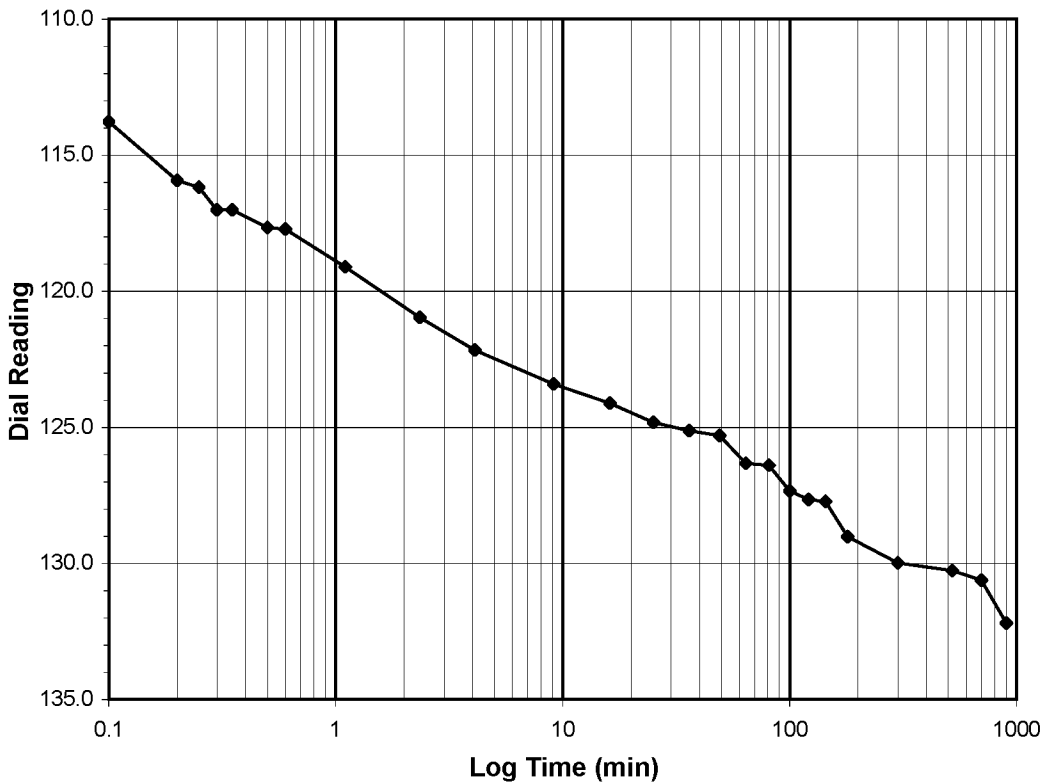
Boring No. R-7-1  
 Depth (ft) 266.9-267.1  
 Sample No. ST-10  
 Visual Description Gray Silty Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



**Test Load (tsf)** 0.5-1.0  
**Final Reading (div)** 132.2  
 Consolidometer No. G1427  
 1 Division (in) 0.0001  
 Start Date 11/20/13  
 Start Time 19:10:04

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>90.3</b>
0.10	113.8
0.20	115.9
0.25	116.2
0.30	117.0
0.35	117.0
0.50	117.7
0.60	117.7
1.10	119.1
2.35	121.0
4.10	122.2
9.12	123.4
16.12	124.1
25.12	124.8
36.12	125.1
49.12	125.3
64.12	126.3
81.12	126.4
100.12	127.3
121.12	127.6
144.12	127.7
180.12	129.0
300.12	130.0
520.12	130.3
700.12	130.6
900.28	132.2



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

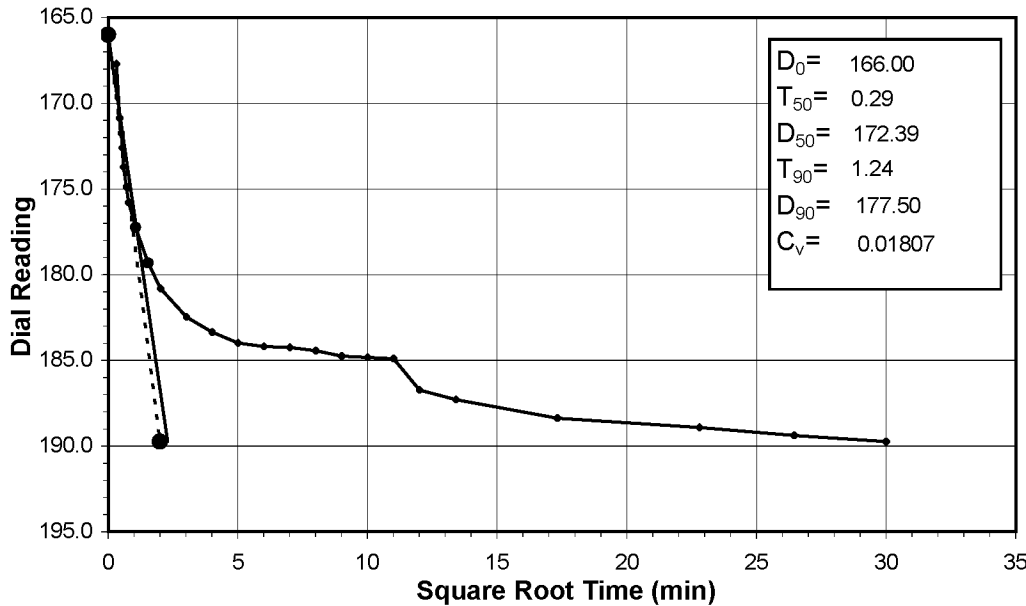
# ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-008

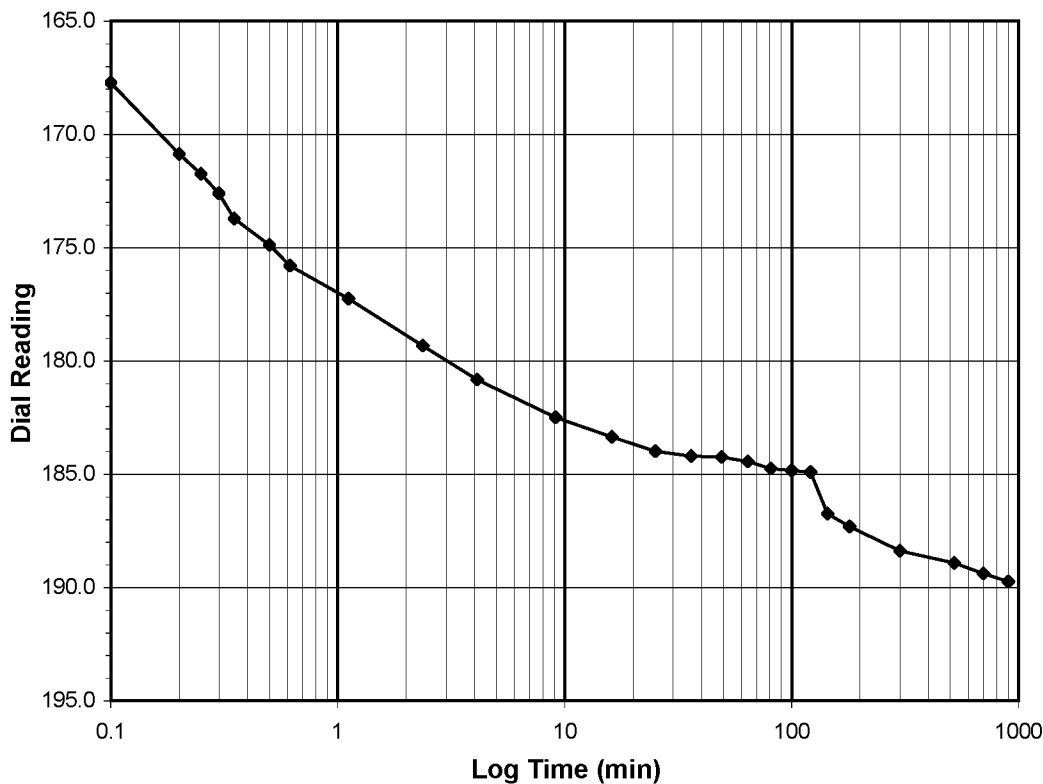
Boring No. R-7-1  
 Depth (ft) 266.9-267.1  
 Sample No. ST-10  
 Visual Description Gray Silty Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



<b>Test Load (tsf)</b>	<b>1.0-2.0</b>
<b>Final Reading (div)</b>	<b>189.7</b>
Consolidometer No.	<b>G1427</b>
1 Division (in)	0.0001
Start Date	11/21/13
Start Time	10:10:21

Elapsed Time (min)	Dial Reading (div)
<i>Initial</i>	<b>132.2</b>
0.10	167.7
0.20	170.9
0.25	171.7
0.30	172.6
0.35	173.7
0.50	174.9
0.62	175.8
1.12	177.3
2.37	179.3
4.12	180.8
9.12	182.5
16.12	183.4
25.12	184.0
36.12	184.2
49.12	184.2
64.12	184.4
81.12	184.7
100.12	184.8
121.12	184.9
144.12	186.7
180.12	187.3
300.12	188.4
520.12	188.9
700.12	189.4
900.02	189.7



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



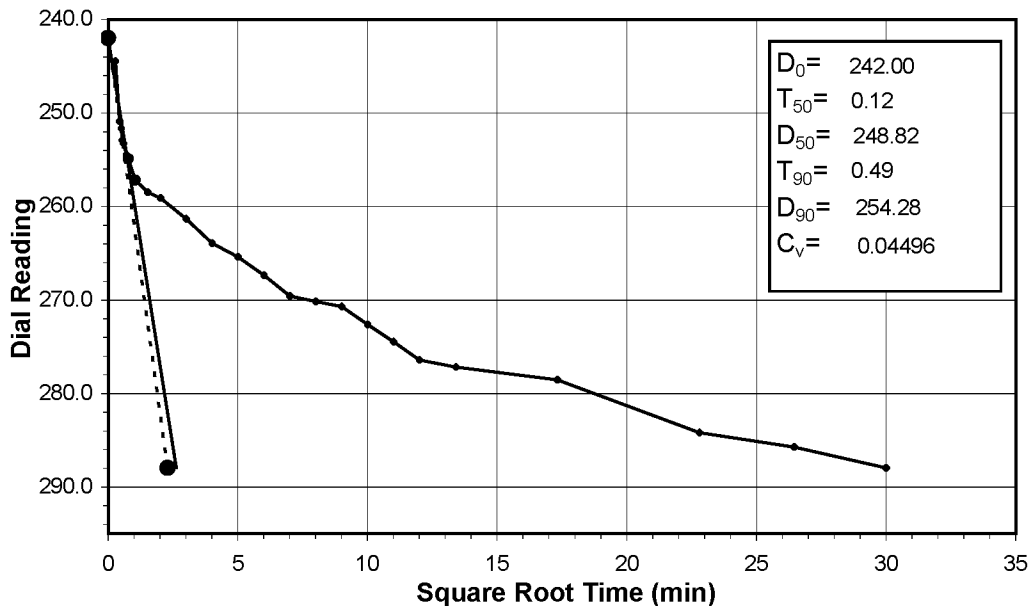
# ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-008

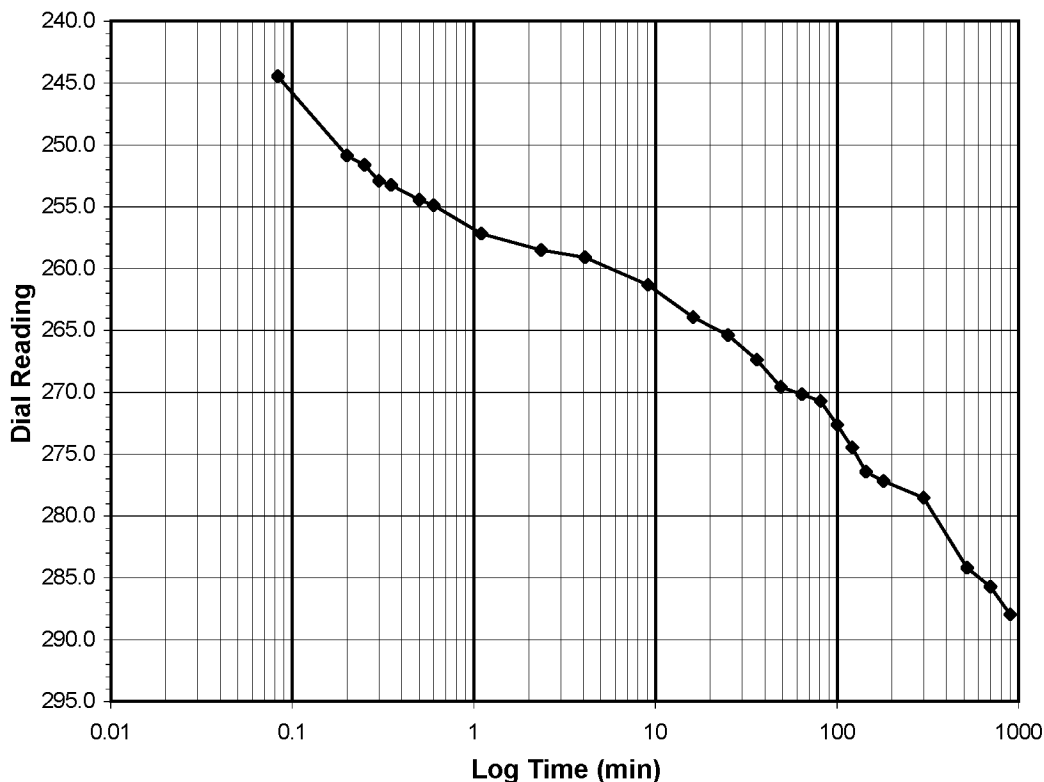
Boring No. R-7-1  
 Depth (ft) 266.9-267.1  
 Sample No. ST-10  
 Visual Description Gray Silty Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



**Test Load (tsf)** 2.0-4.0  
**Final Reading (div)** 288.0  
 Consolidometer No. **G1427**  
 1 Division (in) 0.0001  
 Start Date 11/22/13  
 Start Time 1:10:22

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>189.7</b>
0.08	244.4
0.20	250.9
0.25	251.6
0.30	252.9
0.35	253.2
0.50	254.4
0.60	254.9
1.10	257.2
2.35	258.5
4.10	259.1
9.10	261.3
16.10	263.9
25.10	265.4
36.12	267.4
49.12	269.6
64.12	270.2
81.12	270.7
100.12	272.6
121.12	274.5
144.12	276.4
180.12	277.2
300.12	278.5
520.12	284.2
700.12	285.7
900.25	288.0



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



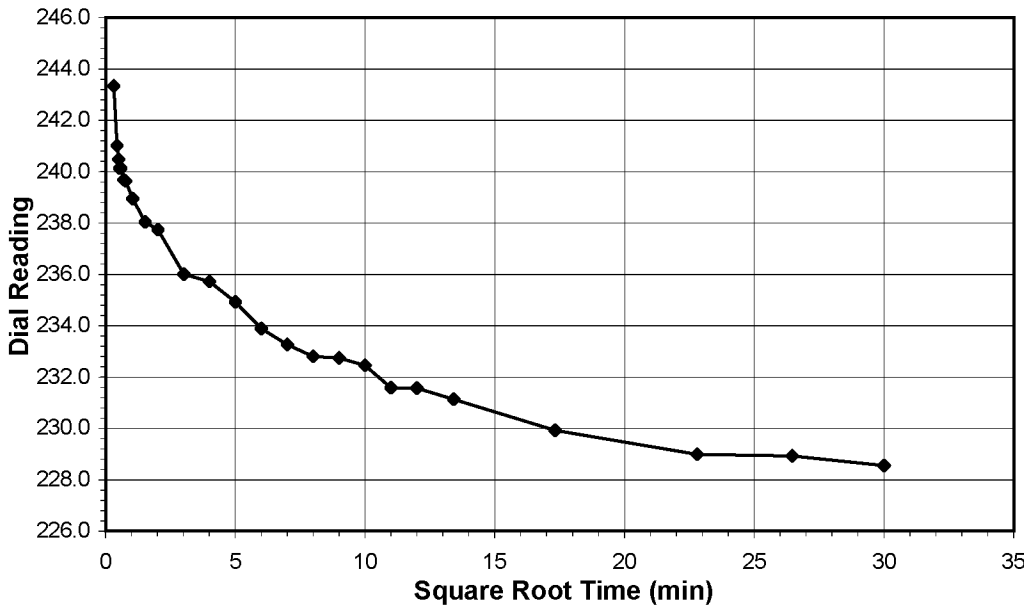
# ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-008

Boring No. R-7-1  
 Depth (ft) 266.9-267.1  
 Sample No. ST-10  
 Visual Description Gray Silty Sand

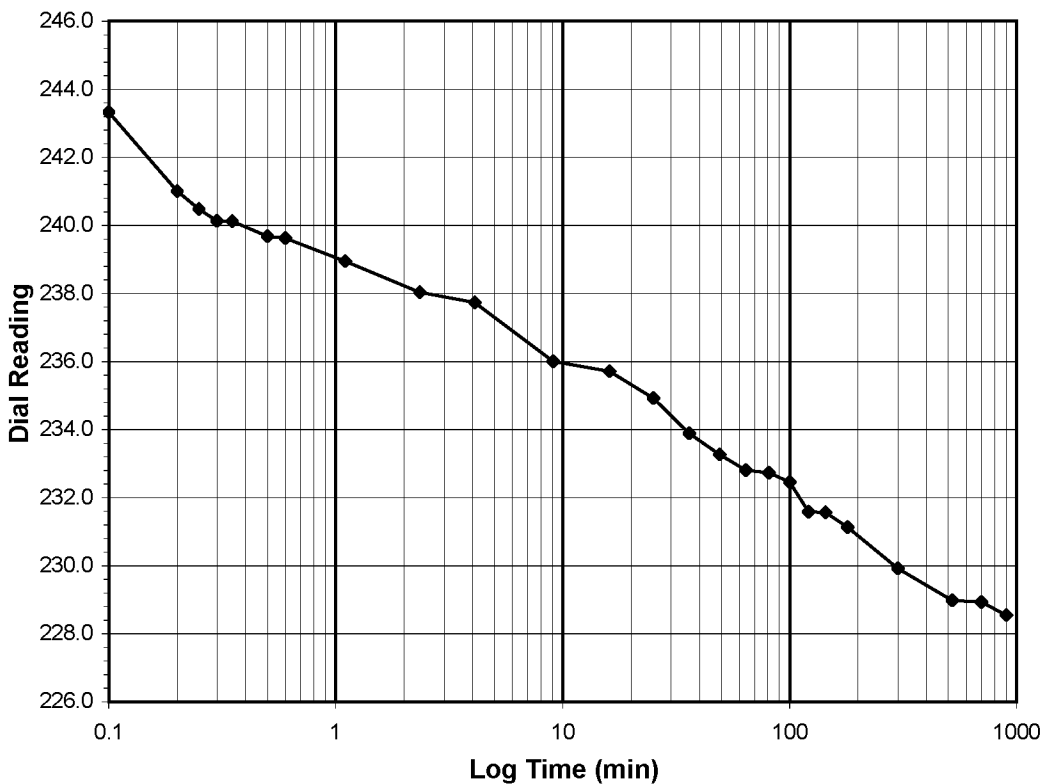
**Sample Conditions:** Undisturbed, Inundated And Double Drained



**Test Load (tsf)** 4.0-1.0  
**Final Reading (div)** 228.6  
 Consolidometer No. G1427  
 1 Division (in) 0.0001

Start Date 11/22/13  
 Start Time 16:10:39

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>288.0</b>
0.10	243.3
0.20	241.0
0.25	240.5
0.30	240.1
0.35	240.1
0.50	239.7
0.60	239.6
1.10	238.9
2.35	238.0
4.10	237.7
9.10	236.0
16.10	235.7
25.10	234.9
36.10	233.9
49.12	233.3
64.12	232.8
81.12	232.7
100.12	232.5
121.12	231.6
144.12	231.6
180.12	231.1
300.12	229.9
520.12	229.0
700.12	228.9
900.27	228.6



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





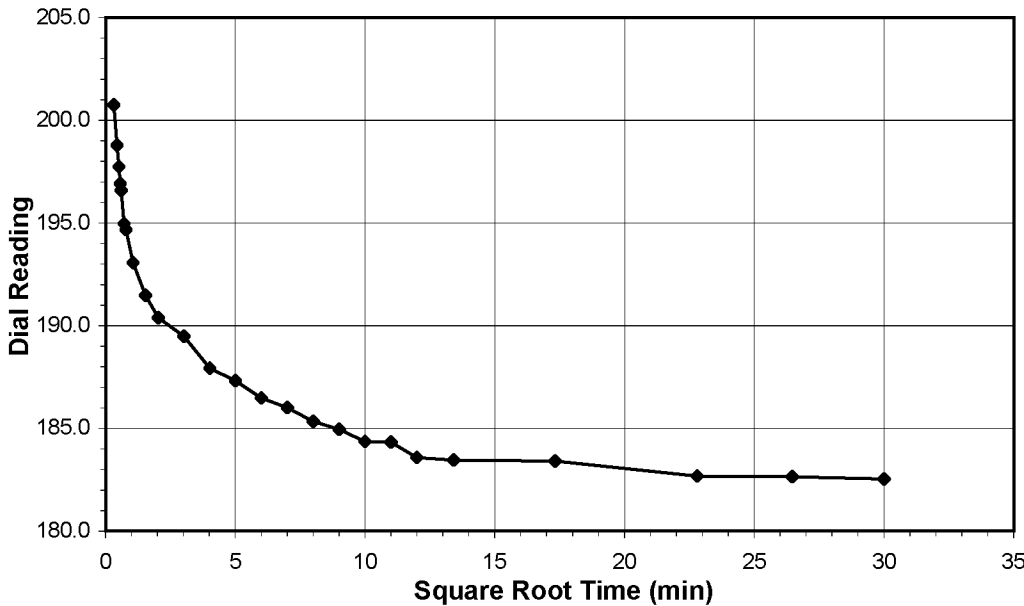
# ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-008

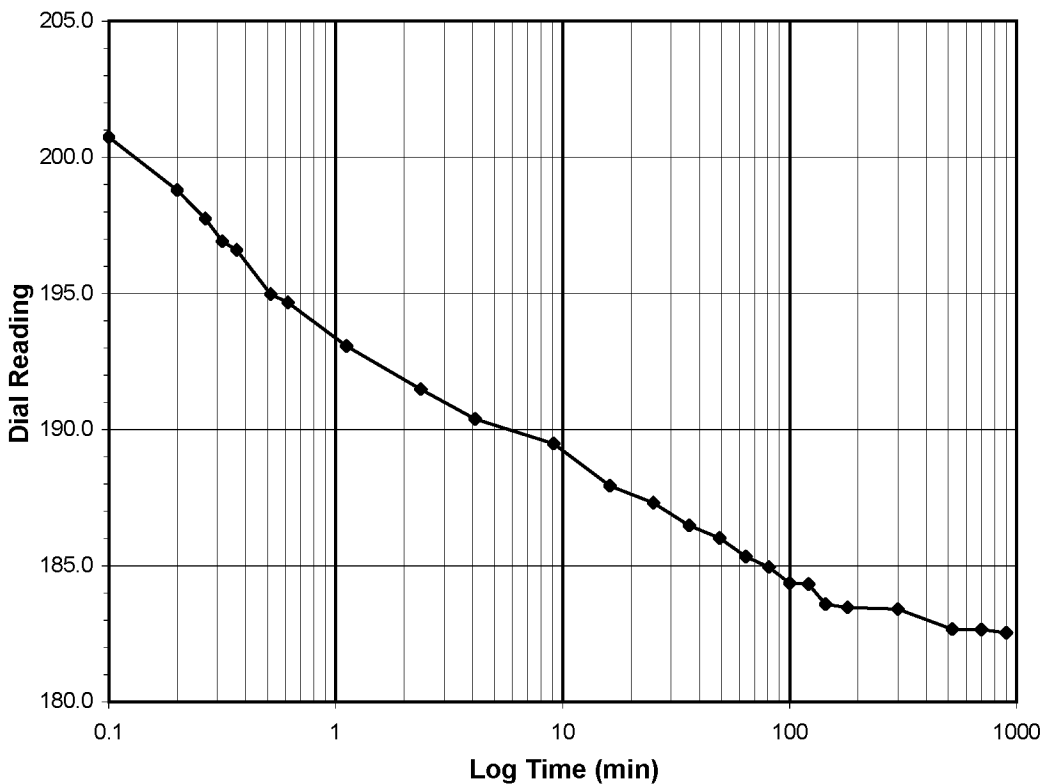
Boring No. R-7-1  
 Depth (ft) 266.9-267.1  
 Sample No. ST-10  
 Visual Description Gray Silty Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



**Test Load (tsf)** 1.0-0.25  
**Final Reading (div)** 182.5  
 Consolidometer No. G1427  
 1 Division (in) 0.0001  
 Start Date 11/23/13  
 Start Time 7:10:55

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>228.6</b>
0.10	200.7
0.20	198.8
0.27	197.7
0.32	196.9
0.37	196.6
0.52	195.0
0.62	194.7
1.12	193.1
2.37	191.5
4.12	190.4
9.12	189.5
16.12	187.9
25.12	187.3
36.12	186.5
49.12	186.0
64.12	185.3
81.12	184.9
100.12	184.4
121.12	184.3
144.12	183.6
180.13	183.5
300.13	183.4
520.13	182.7
700.13	182.7
900.17	182.5



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

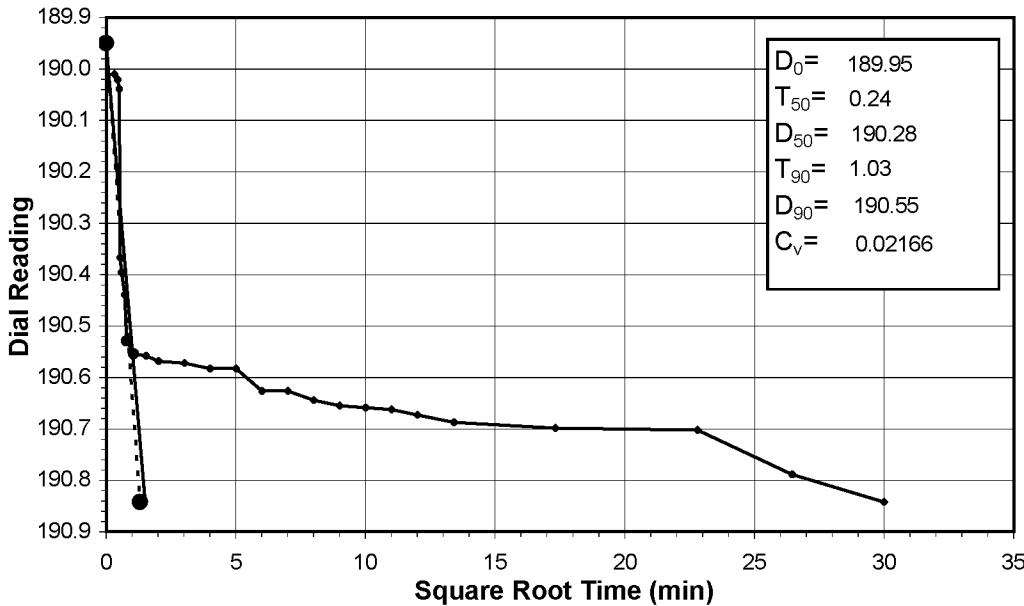
# ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-008

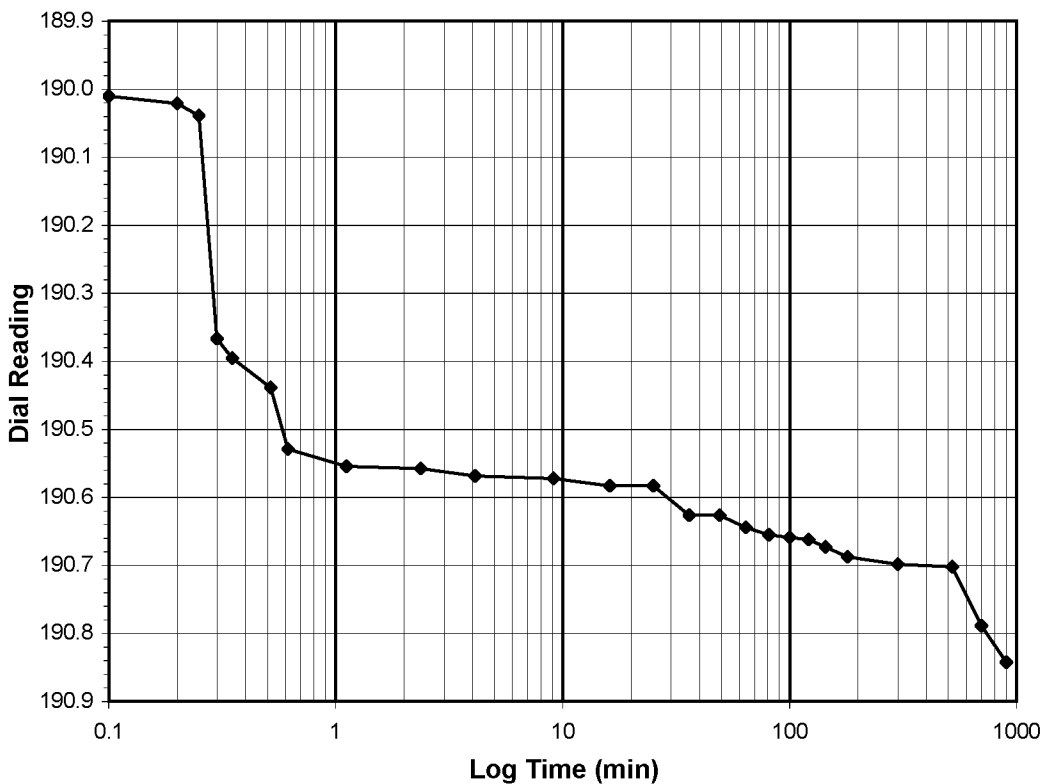
Boring No. R-7-1  
 Depth (ft) 266.9-267.1  
 Sample No. ST-10  
 Visual Description Gray Silty Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



**Test Load (tsf)** 0.25-0.5  
**Final Reading (div)** 190.8  
 Consolidometer No. G1427  
 1 Division (in) 0.0001  
 Start Date 11/23/13  
 Start Time 22:11:05

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>182.5</b>
0.10	190.0
0.20	190.0
0.25	190.0
0.30	190.4
0.35	190.4
0.52	190.4
0.62	190.5
1.12	190.6
2.37	190.6
4.12	190.6
9.12	190.6
16.12	190.6
25.12	190.6
36.12	190.6
49.12	190.6
64.12	190.6
81.12	190.7
100.12	190.7
121.12	190.7
144.12	190.7
180.12	190.7
300.13	190.7
520.13	190.7
700.13	190.8
900.45	190.8



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

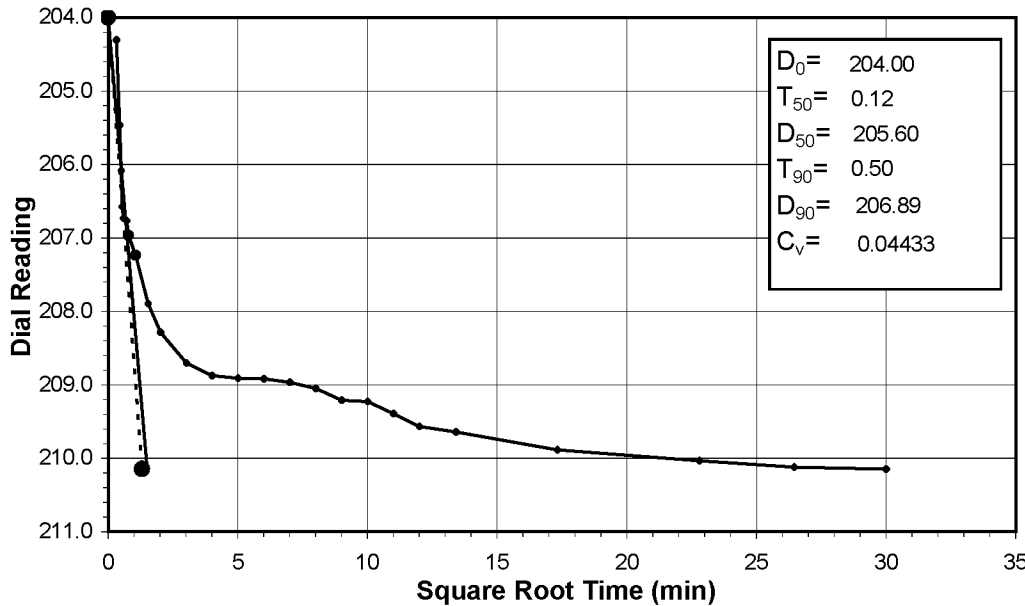
# ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-008

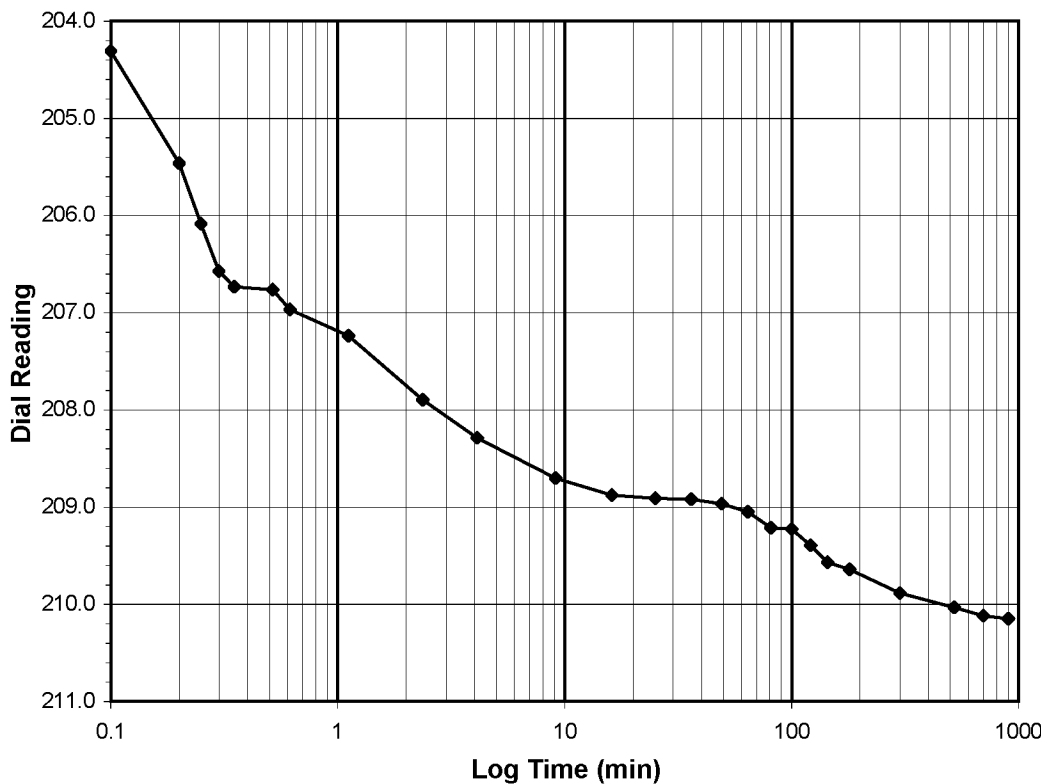
Boring No. R-7-1  
 Depth (ft) 266.9-267.1  
 Sample No. ST-10  
 Visual Description Gray Silty Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



**Test Load (tsf)** 0.5-1.0  
**Final Reading (div)** 210.1  
 Consolidometer No. **G1427**  
 1 Division (in) 0.0001  
 Start Date 11/24/13  
 Start Time 13:11:32

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>190.8</b>
0.10	204.3
0.20	205.5
0.25	206.1
0.30	206.6
0.35	206.7
0.52	206.8
0.62	207.0
1.12	207.2
2.37	207.9
4.12	208.3
9.12	208.7
16.12	208.9
25.12	208.9
36.12	208.9
49.12	209.0
64.12	209.0
81.12	209.2
100.12	209.2
121.12	209.4
144.12	209.6
180.12	209.6
300.12	209.9
520.12	210.0
700.12	210.1
900.13	210.1



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

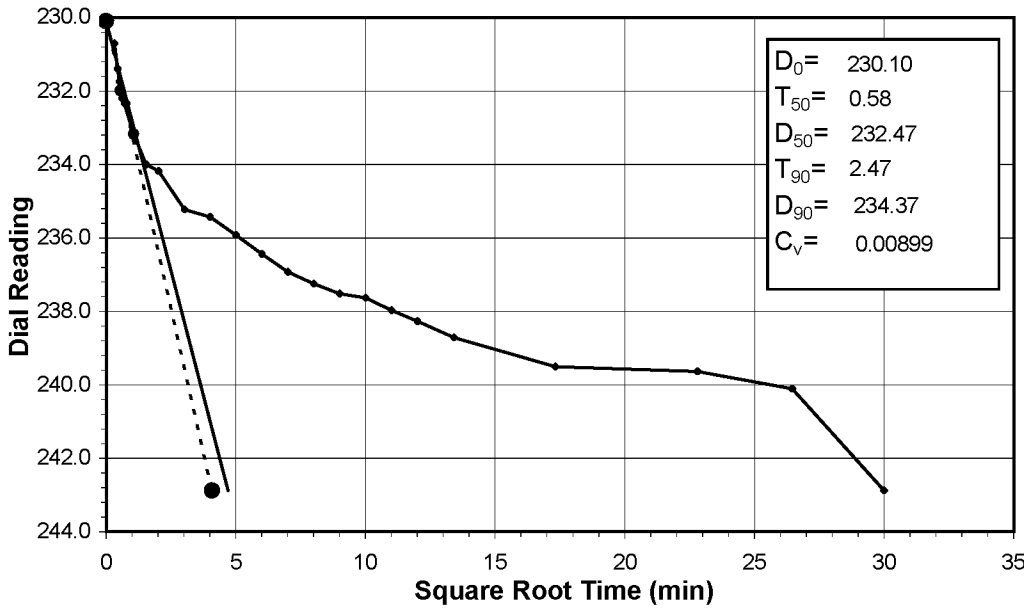
## ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-008

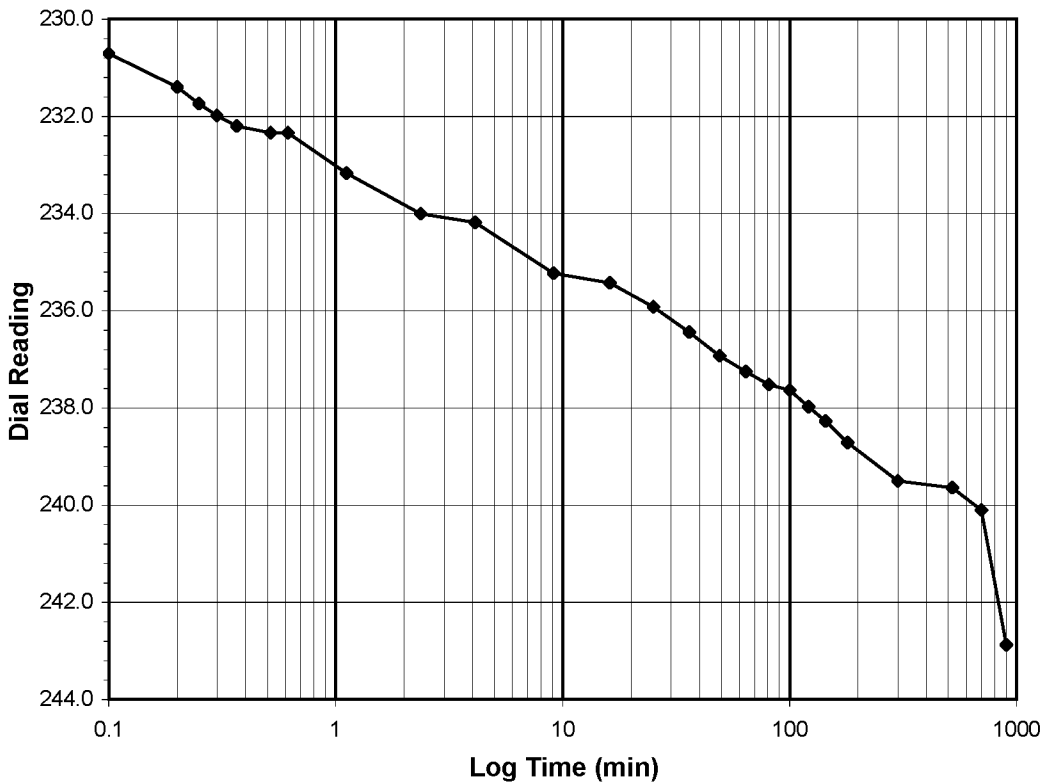
Boring No. R-7-1  
 Depth (ft) 266.9-267.1  
 Sample No. ST-10  
 Visual Description Gray Silty Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



<b>Test Load (tsf)</b>	<b>1.0-2.0</b>
<b>Final Reading (div)</b>	<b>242.9</b>
<b>Consolidometer No.</b>	<b>G1427</b>
<b>1 Division (in)</b>	<b>0.0001</b>
<b>Start Date</b>	<b>11/25/13</b>
<b>Start Time</b>	<b>4:11:40</b>

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>210.1</b>
0.10	230.7
0.20	231.4
0.25	231.7
0.30	232.0
0.37	232.2
0.52	232.3
0.62	232.3
1.12	233.2
2.37	234.0
4.12	234.2
9.12	235.2
16.12	235.4
25.12	235.9
36.12	236.4
49.12	236.9
64.12	237.3
81.12	237.5
100.12	237.6
121.12	238.0
144.12	238.3
180.12	238.7
300.12	239.5
520.12	239.6
700.12	240.1
900.27	242.9



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

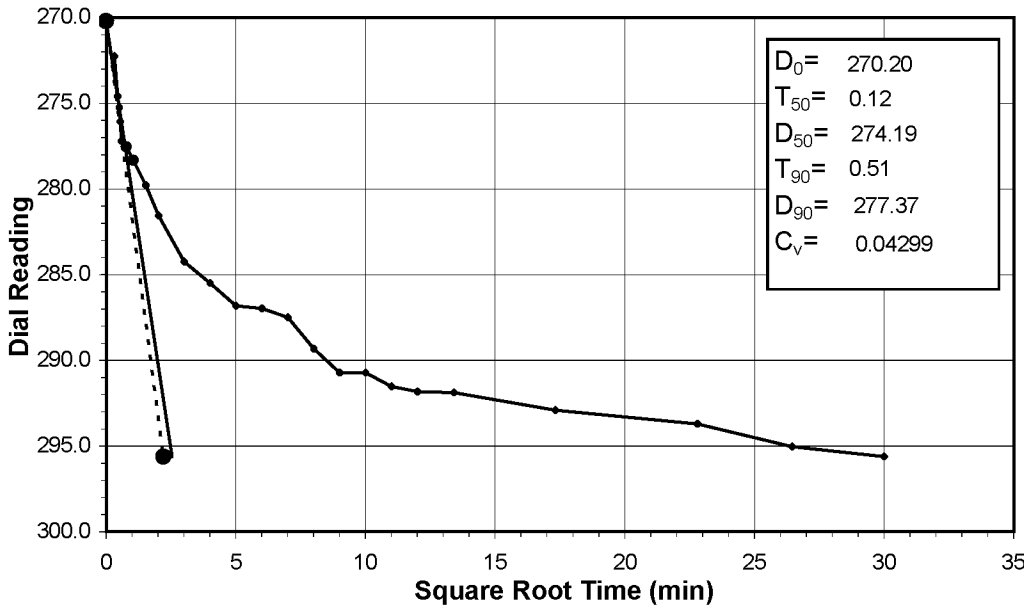
## ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-008

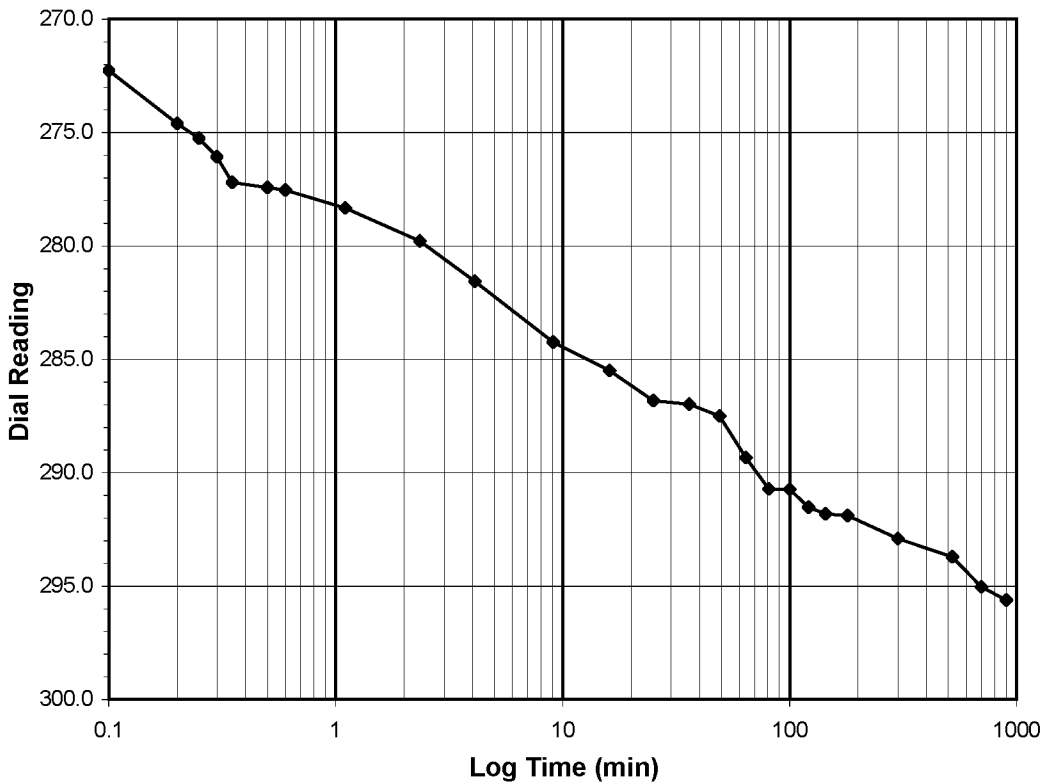
Boring No. R-7-1  
 Depth (ft) 266.9-267.1  
 Sample No. ST-10  
 Visual Description Gray Silty Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



<b>Test Load (tsf)</b>	<b>2.0-4.0</b>
<b>Final Reading (div)</b>	<b>295.6</b>
<b>Consolidometer No.</b>	<b>G1427</b>
<b>1 Division (in)</b>	<b>0.0001</b>
<b>Start Date</b>	<b>11/25/13</b>
<b>Start Time</b>	<b>19:11:56</b>

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>242.9</b>
0.10	272.3
0.20	274.6
0.25	275.2
0.30	276.1
0.35	277.2
0.50	277.4
0.60	277.5
1.10	278.3
2.35	279.8
4.10	281.6
9.10	284.2
16.10	285.5
25.10	286.8
36.12	287.0
49.12	287.5
64.12	289.3
81.12	290.7
100.12	290.7
121.12	291.5
144.12	291.8
180.12	291.9
300.12	292.9
520.12	293.7
700.12	295.0
900.35	295.6



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

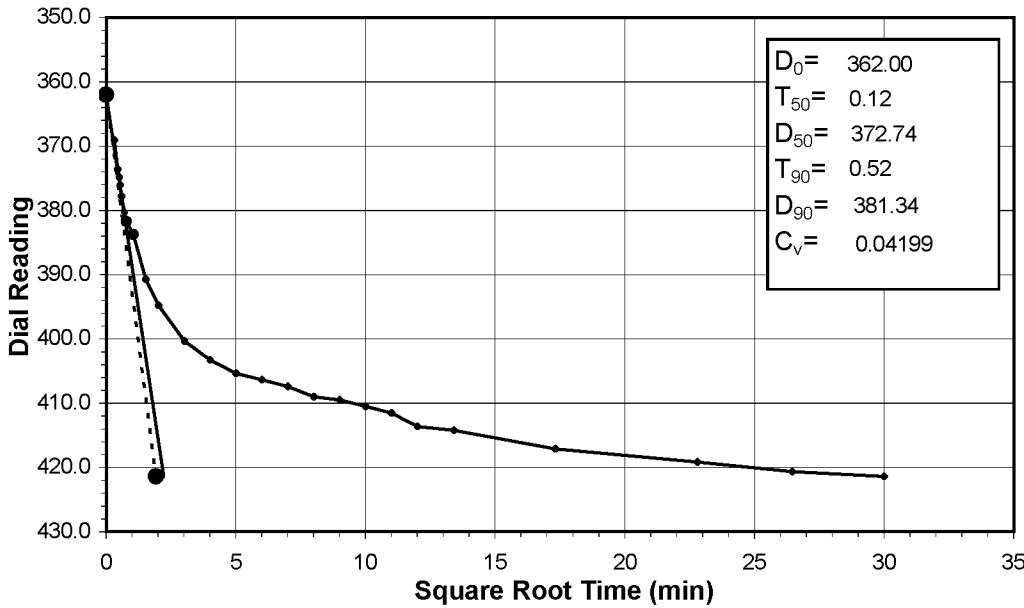
# ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-008

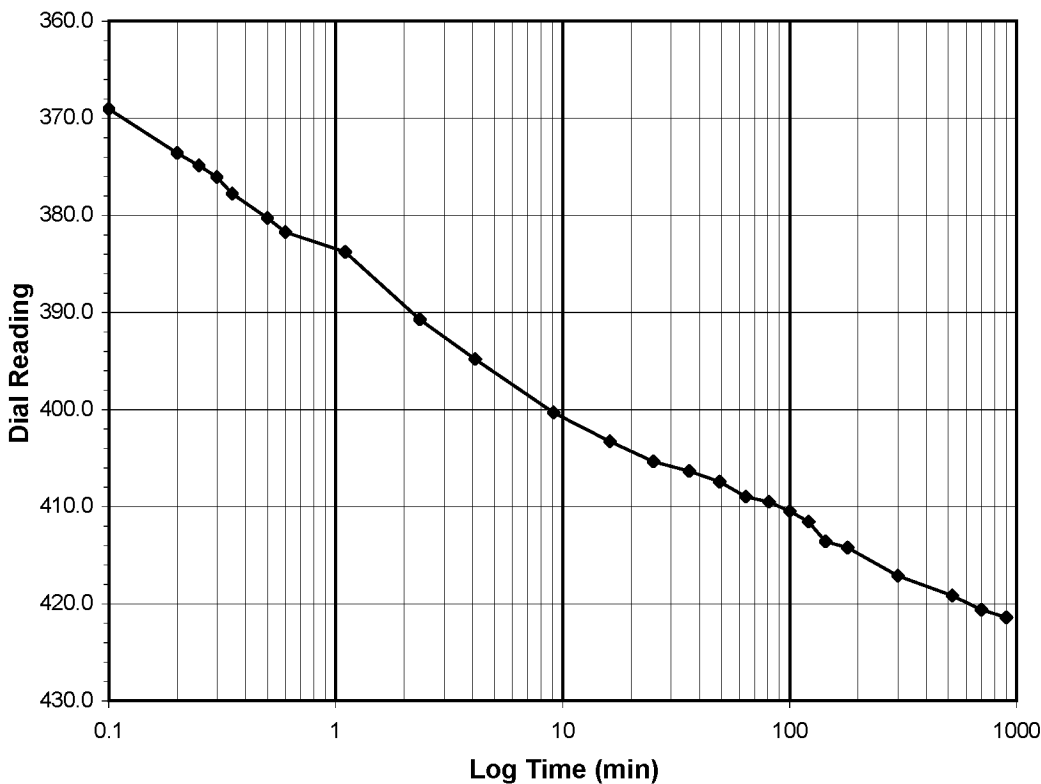
Boring No. R-7-1  
 Depth (ft) 266.9-267.1  
 Sample No. ST-10  
 Visual Description Gray Silty Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



**Test Load (tsf)** 4.0-8.0  
**Final Reading (div)** 421.4  
 Consolidometer No. **G1427**  
 1 Division (in) 0.0001  
 Start Date 11/26/13  
 Start Time 10:12:17

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>295.6</b>
0.10	369.0
0.20	373.6
0.25	374.9
0.30	376.0
0.35	377.8
0.50	380.3
0.60	381.7
1.10	383.7
2.35	390.7
4.12	394.8
9.12	400.3
16.12	403.3
25.12	405.3
36.12	406.4
49.12	407.4
64.12	409.0
81.12	409.5
100.12	410.5
121.12	411.5
144.12	413.6
180.12	414.2
300.12	417.1
520.12	419.2
700.13	420.6
900.22	421.4



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



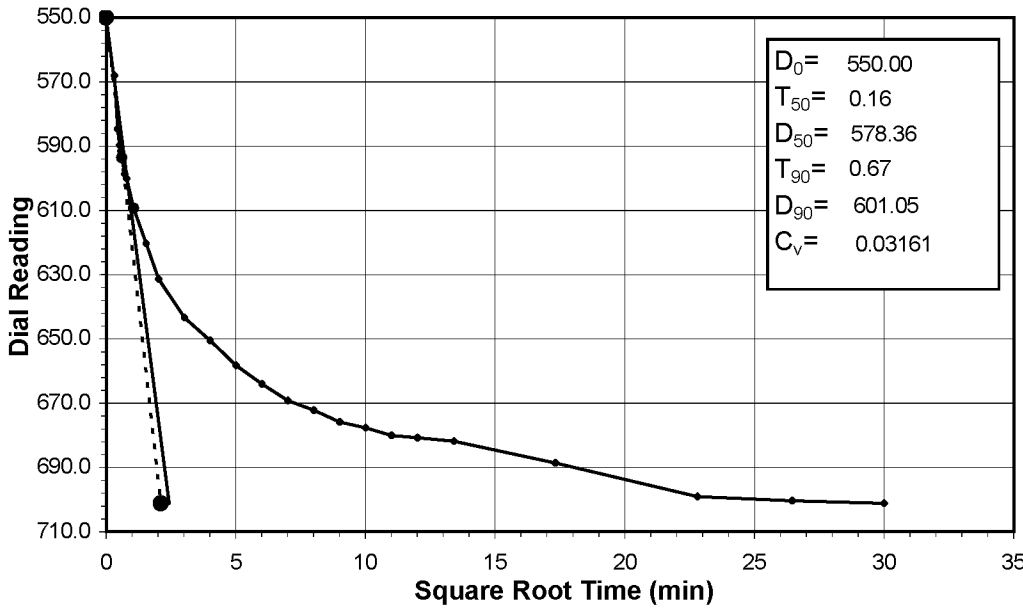
# ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-008

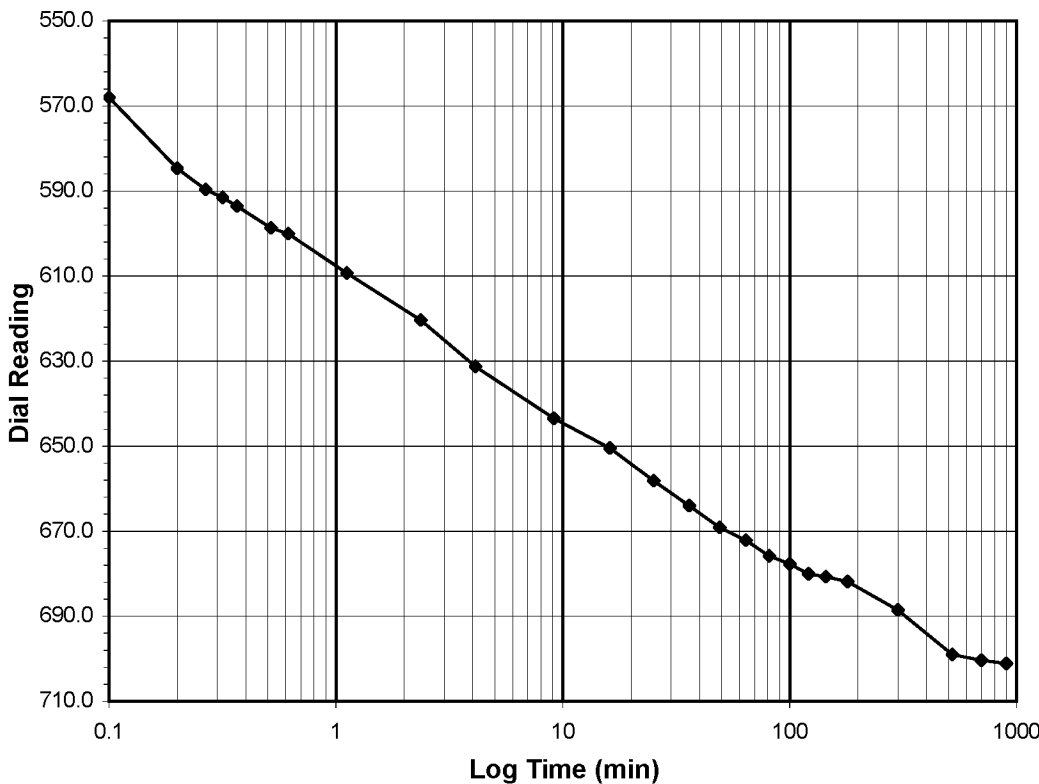
Boring No. R-7-1  
 Depth (ft) 266.9-267.1  
 Sample No. ST-10  
 Visual Description Gray Silty Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



**Test Load (tsf)** 8.0-16.0  
**Final Reading (div)** 701.1  
 Consolidometer No. **G1427**  
 1 Division (in) 0.0001  
 Start Date 11/27/13  
 Start Time 1:12:30

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>421.4</b>
0.10	568.0
0.20	584.7
0.27	589.7
0.32	591.6
0.37	593.6
0.52	598.7
0.62	600.0
1.12	609.3
2.37	620.3
4.12	631.3
9.12	643.4
16.12	650.5
25.12	658.2
36.12	664.0
49.12	669.2
64.12	672.1
81.12	675.8
100.12	677.7
121.12	680.1
144.12	680.7
180.12	681.9
300.13	688.6
520.13	699.0
700.13	700.3
900.43	701.1



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



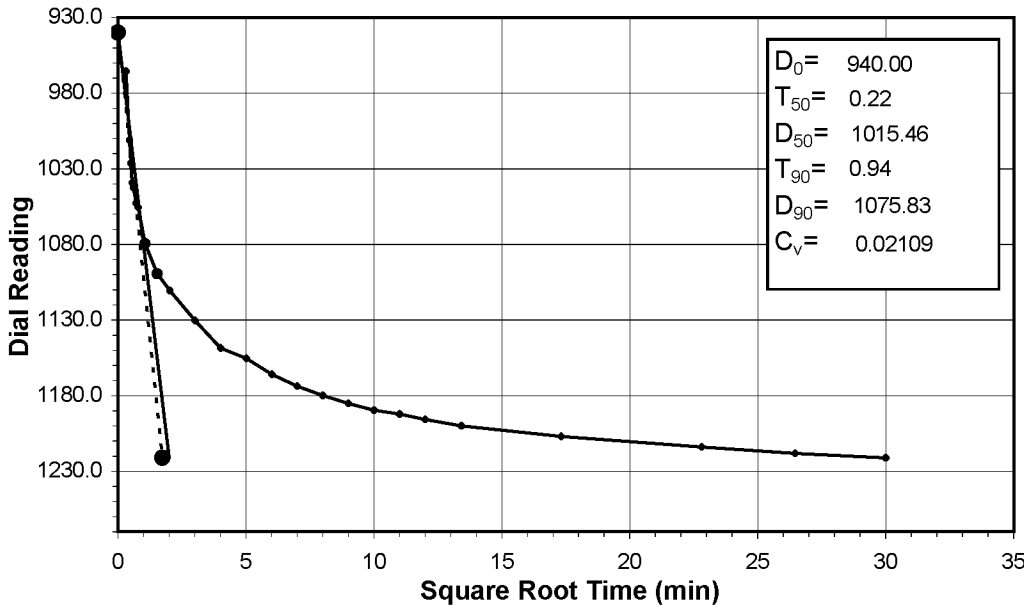
# ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-008

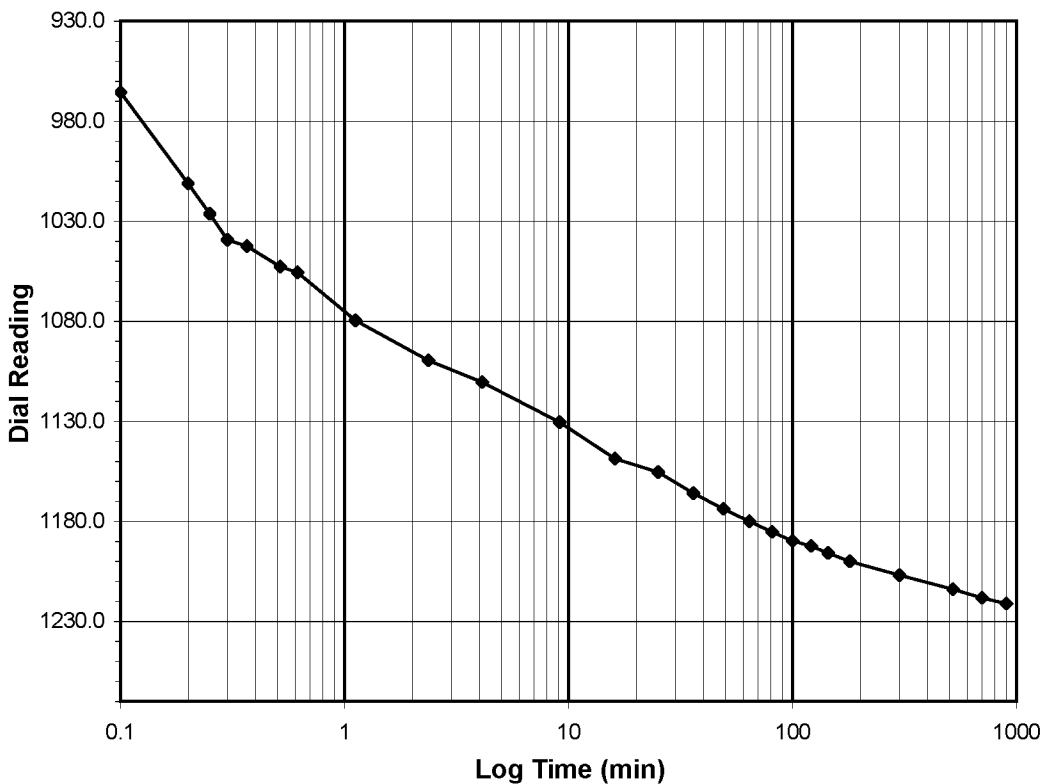
Boring No. R-7-1  
 Depth (ft) 266.9-267.1  
 Sample No. ST-10  
 Visual Description Gray Silty Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



**Test Load (tsf)** 16.0-32.0  
**Final Reading (div)** 1221.1  
 Consolidometer No. G1427  
 1 Division (in) 0.0001  
 Start Date 11/27/13  
 Start Time 16:12:56

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>701.1</b>
0.10	965.5
0.20	1011.1
0.25	1026.3
0.30	1039.2
0.37	1042.4
0.52	1052.7
0.62	1055.6
1.12	1079.6
2.37	1099.5
4.12	1110.4
9.12	1130.3
16.12	1148.6
25.12	1155.3
36.12	1166.0
49.12	1173.7
64.12	1180.0
81.12	1185.2
100.12	1189.7
121.12	1192.2
144.12	1195.8
180.13	1199.9
300.13	1206.9
520.13	1213.9
700.13	1218.1
900.10	1221.1



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





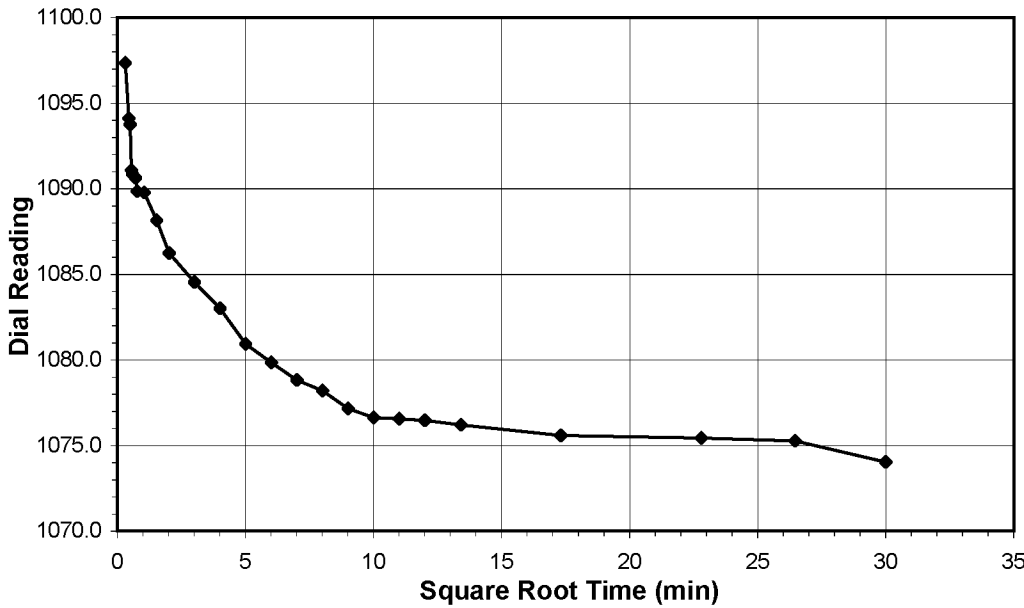
# ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-008

Boring No. R-7-1  
 Depth (ft) 266.9-267.1  
 Sample No. ST-10  
 Visual Description Gray Silty Sand

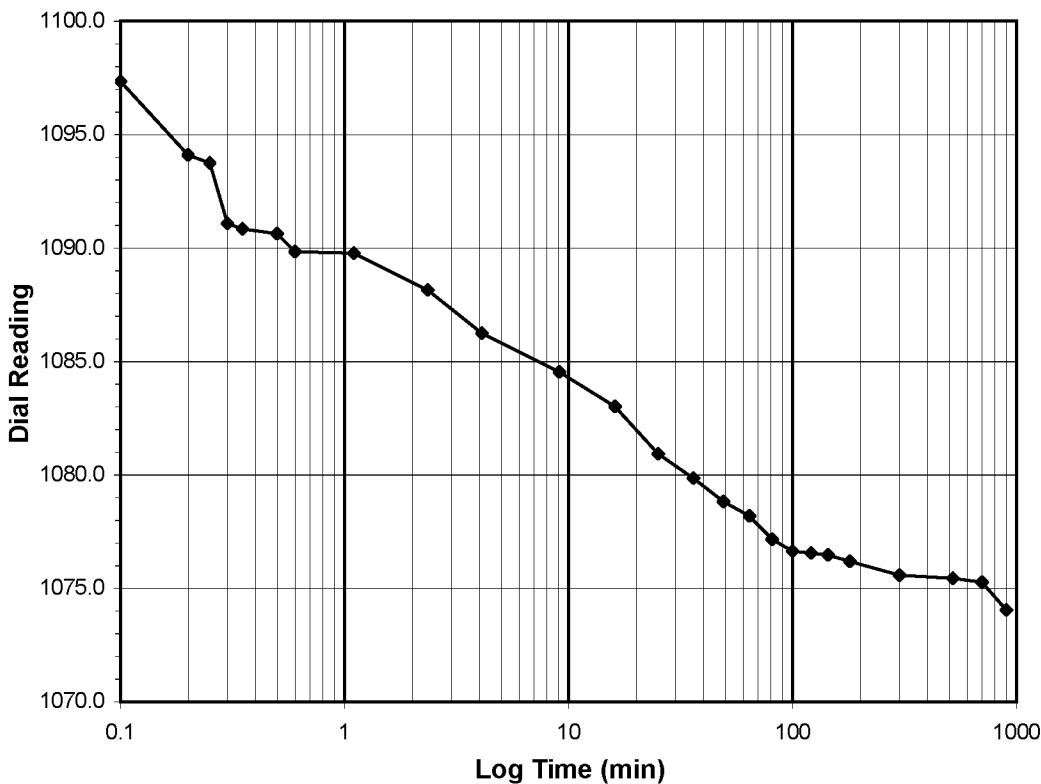
**Sample Conditions:** Undisturbed, Inundated And Double Drained



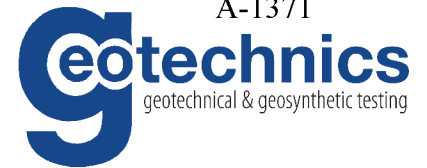
**Test Load (tsf)** 32.0-8.0  
**Final Reading (div)** 1074.0  
 Consolidometer No. G1427  
 1 Division (in) 0.0001

Start Date 11/28/13  
 Start Time 7:13:02

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>1221.1</b>
0.10	1097.4
0.20	1094.1
0.25	1093.8
0.30	1091.1
0.35	1090.9
0.50	1090.6
0.60	1089.8
1.10	1089.8
2.35	1088.2
4.10	1086.2
9.10	1084.5
16.10	1083.0
25.10	1080.9
36.12	1079.9
49.12	1078.8
64.12	1078.2
81.12	1077.2
100.12	1076.6
121.12	1076.6
144.12	1076.5
180.12	1076.2
300.12	1075.6
520.12	1075.4
700.12	1075.3
900.05	1074.0



Tested By DB Date 11/28/13 Checked By TM Date 12/6/13



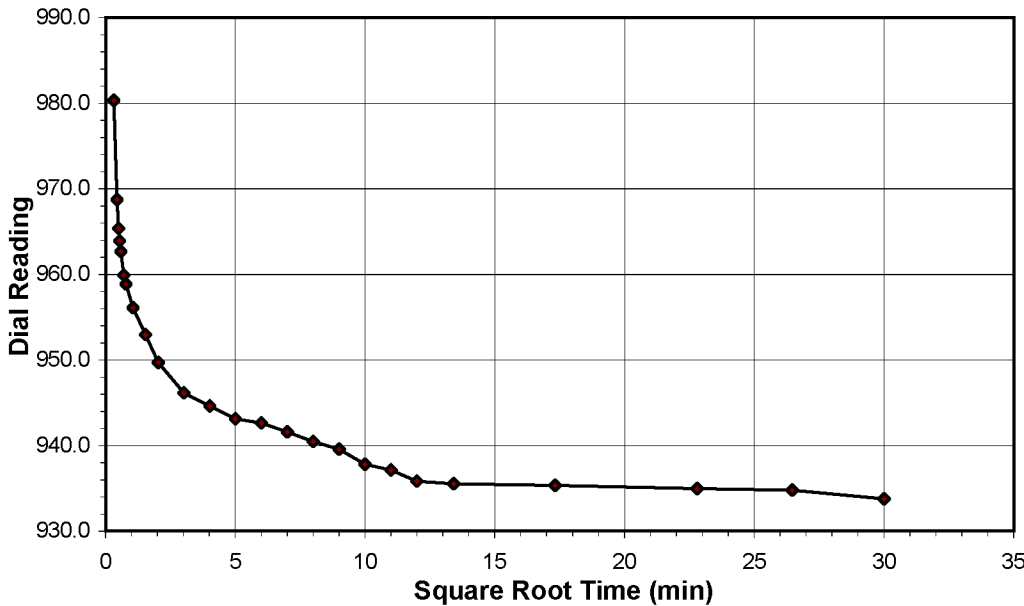
# ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-008

Boring No. R-7-1  
 Depth (ft) 266.9-267.1  
 Sample No. ST-10  
 Visual Description Gray Silty Sand

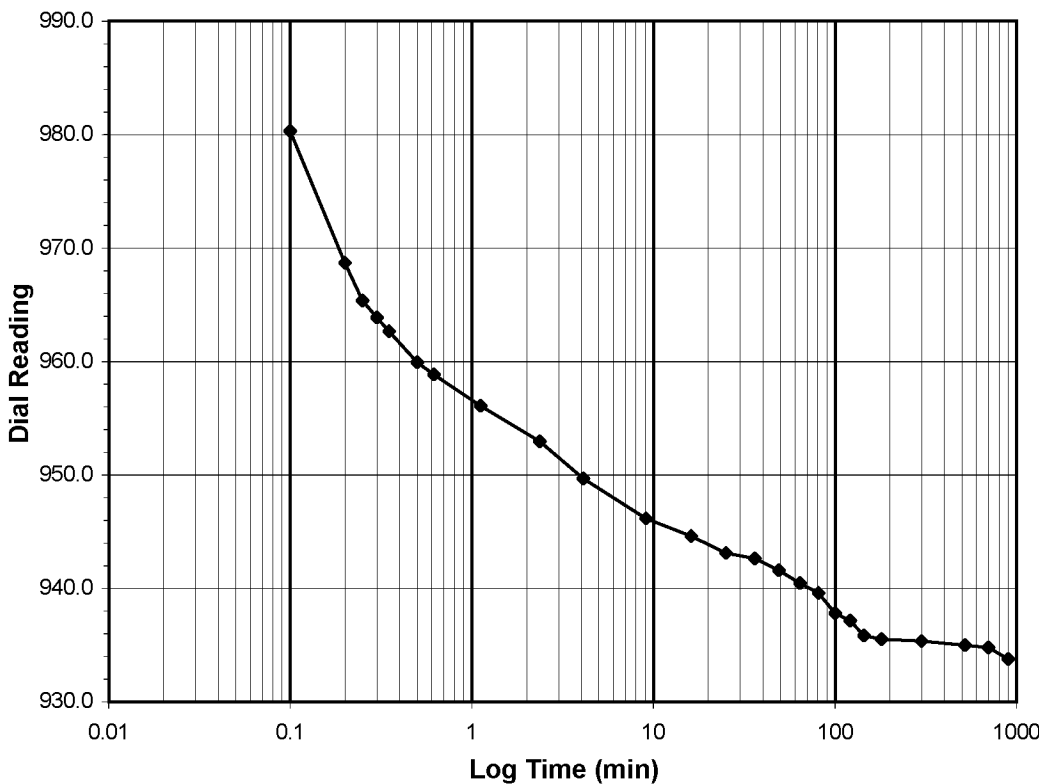
**Sample Conditions:** Undisturbed, Inundated And Double Drained



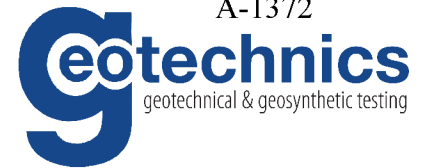
**Test Load (tsf)** 8.0-2.0  
**Final Reading (div)** 933.8  
 Consolidometer No. G1427  
 1 Division (in) 0.0001

**Start Date** 11/28/13  
**Start Time** 22:13:05

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>1074.0</b>
0.10	980.3
0.20	968.7
0.25	965.4
0.30	963.9
0.35	962.7
0.50	959.9
0.62	958.9
1.12	956.1
2.37	953.0
4.12	949.7
9.12	946.2
16.12	944.6
25.12	943.1
36.12	942.7
49.12	941.6
64.12	940.5
81.12	939.6
100.12	937.8
121.12	937.2
144.12	935.8
180.13	935.5
300.13	935.3
520.13	935.0
700.13	934.8
900.20	933.8



Tested By DB Date 11/28/13 Checked By TM Date 12/6/13



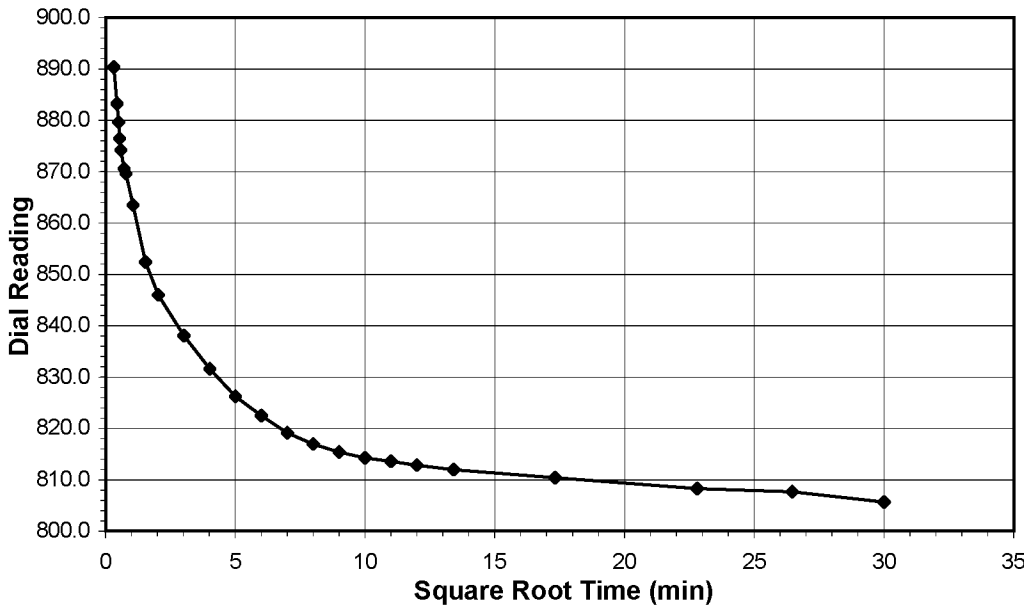
# ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-008

Boring No. R-7-1  
 Depth (ft) 266.9-267.1  
 Sample No. ST-10  
 Visual Description Gray Silty Sand

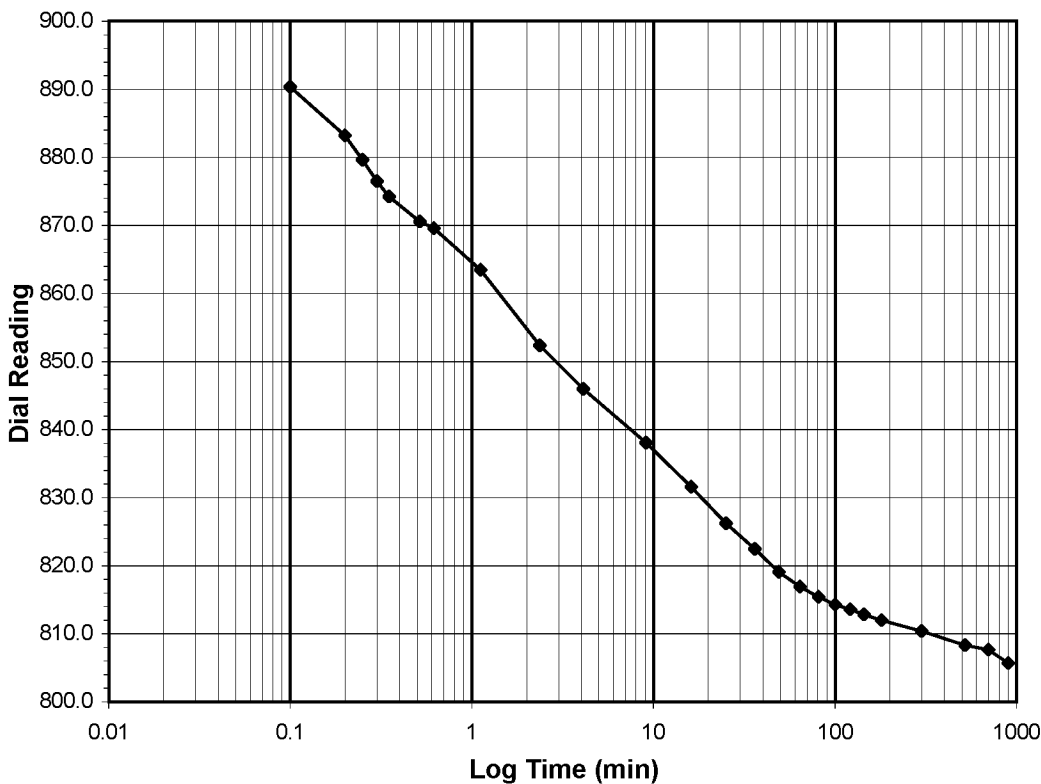
**Sample Conditions:** Undisturbed, Inundated And Double Drained



**Test Load (tsf)** 2.0-0.5  
**Final Reading (div)** 805.7  
 Consolidometer No. G1427  
 1 Division (in) 0.0001

Start Date 11/29/13  
 Start Time 13:13:17

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>933.8</b>
0.10	890.4
0.20	883.2
0.25	879.6
0.30	876.5
0.35	874.2
0.52	870.6
0.62	869.6
1.12	863.5
2.37	852.4
4.12	846.0
9.12	838.1
16.12	831.6
25.12	826.2
36.12	822.5
49.12	819.1
64.12	816.9
81.12	815.4
100.12	814.3
121.12	813.6
144.12	812.8
180.12	812.0
300.12	810.4
520.12	808.3
700.12	807.7
900.18	805.7



Tested By DB Date 11/29/13 Checked By TM Date 12/6/13

## ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client	Paul C. Rizzo & Associates	Boring No.	R-7-1
Client Reference	Turkey Point Units 6 & 7 Site	Depth (ft)	266.9-267.1
Project No.	2013-465-001	Sample No.	ST-10
Lab ID	2013-465-001-008	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>							
			Applied Pressure (tsf)	Final Dial Reading (div)	Machine Deflection (div)	Corrected Reading (div)	Height of Sample (mm)	Volume (cm <sup>3</sup> )	Dry Density (g/cm <sup>3</sup> )	Void Ratio
<i>Water Content</i>										
Tare Number	2569	2683								
Wt. Tare & WS (g)	82.33	153.58								
Wt. Tare & DS (g)	65.80	122.20								
Wt. Water (g)	16.53	31.38	Seating	0	0	0	25.400	80.440	1.44005	<b>0.85410</b>
Wt. Tare (g)	6.67	6.56	0.25	54.1	23.9	30.2	25.323	80.197	1.44441	<b>0.84850</b>
Wt. DS (g)	59.13	115.64	0.5	90.3	40.1	50.2	25.273	80.036	1.44731	<b>0.84480</b>
Water Content (%)	27.96	27.14	1	132.2	62.7	69.5	25.223	79.881	1.45013	<b>0.84122</b>
			2	189.7	95.7	94.0	25.161	79.684	1.45371	<b>0.83667</b>
			4	288.0	128.7	159.3	24.995	79.159	1.46335	<b>0.82457</b>
<b><u>Sample Parameters</u></b>			1	228.6	87.7	140.9	25.042	79.306	1.46063	<b>0.82798</b>
Sample Diameter (in)	2.5	2.5	0.25	182.5	53.7	128.8	25.073	79.404	1.45884	<b>0.83022</b>
Sample Height (in)	1.0000	0.9303	0.5	190.8	64.2	126.6	25.078	79.421	1.45851	<b>0.83063</b>
Sample Volume (cm <sup>3</sup> )	80.44	74.83	1	210.1	76.5	133.6	25.061	79.365	1.45956	<b>0.82932</b>
Wt. Wet Sample + Ring (g)	362.94	361.99	2	242.9	100.1	142.8	25.037	79.291	1.46091	<b>0.82763</b>
Wt. of Ring (g)	214.72	214.72	4	295.6	126.6	169.0	24.971	79.080	1.46480	<b>0.82277</b>
Wt. of Wet Sample (g)	148.22	147.27	8	421.4	178.9	242.5	24.784	78.489	1.47583	<b>0.80915</b>
Wet Density (pcf)	114.98	122.81	16	701.1	232.8	468.3	24.210	76.673	1.51080	<b>0.76727</b>
Wet Density (g/cm <sup>3</sup> )	1.84	1.97	32	1221.1	317.3	903.7	23.105	73.170	1.58312	<b>0.68654</b>
Water Content (%)	27.96	27.14	8	1074.0	217.5	856.6	23.224	73.550	1.57495	<b>0.69529</b>
Wt. of Dry Sample (g)	115.84	115.84	2	933.8	157.0	776.7	23.427	74.192	1.56132	<b>0.71009</b>
Dry Density (pcf)	89.86	96.59	0.5	805.7	108.4	697.3	23.629	74.831	1.54799	<b>0.72482</b>
Dry Density (g/cm <sup>3</sup> )	1.44	1.55								
Void Ratio	0.8541	0.7248								
Saturation (%)	87.39	99.96								
Specific Gravity	2.67	<i>Measured</i>								
			<b>Tested By</b>	<b>DB</b>	<b>Date</b>	<b>11/19/13</b>	<b>Input Checked By</b>	<b>TM</b>	<b>Date</b>	<b>12/6/13</b>

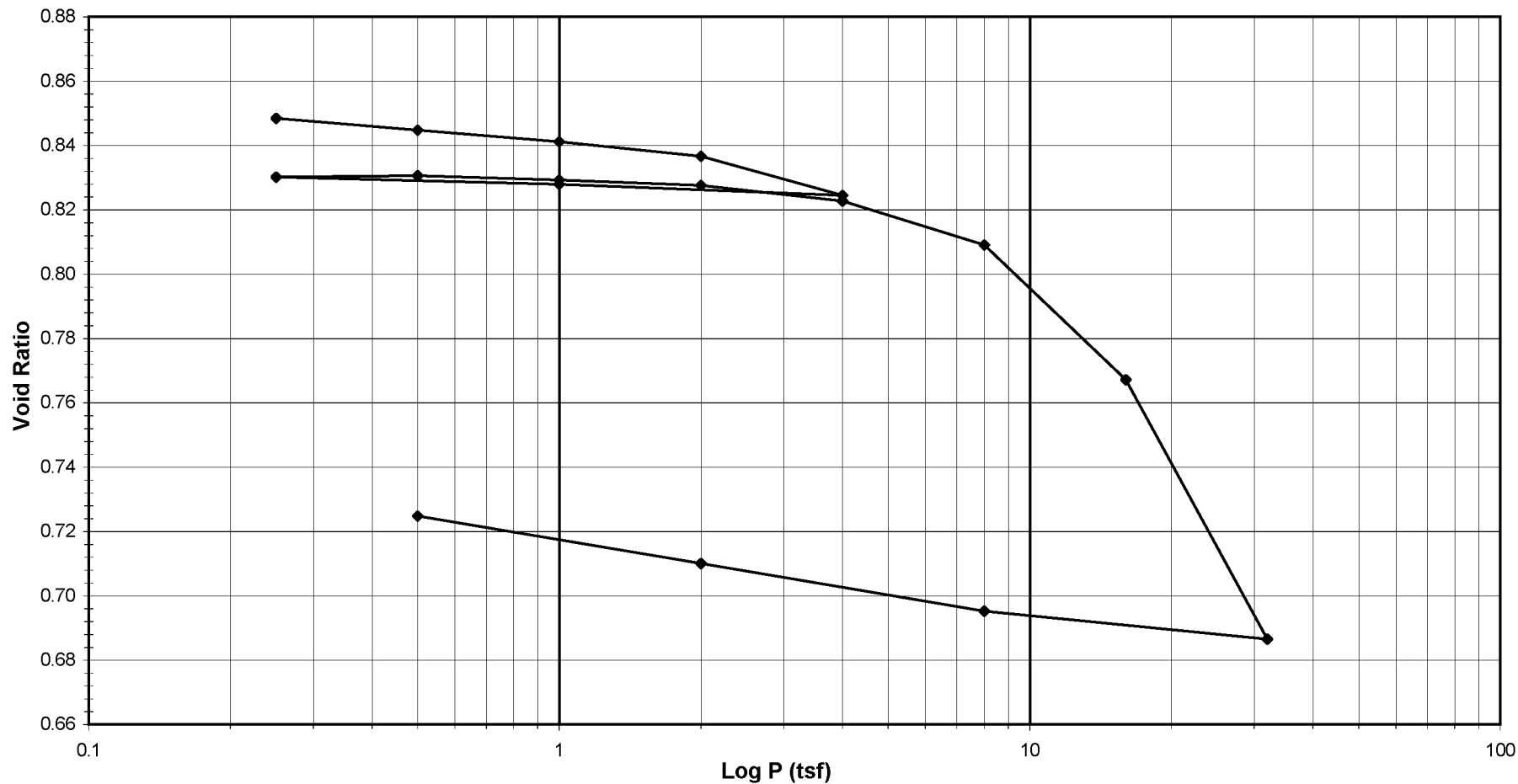
# ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Reference Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-008

Boring No. R-7-1  
 Depth (ft) 266.9-267.1  
 Sample No. ST-10  
 Visual Description Gray Silty Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



Tested By DB Date 11/19/13 Approved By RJO Date 12/6/13

**ONE DIMENSIONAL CONSOLIDATION**

ASTM D2435 / D2435M-11

Client	Paul C. Rizzo & Associates	Boring No.	R-7-1
Client Reference	Turkey Point Units 6 & 7 Site	Depth (ft)	266.9-267.1
Project No.	2013-465-001	Sample No.	ST-10
Lab ID	2013-465-001-008	Visual Description	Gray Silty Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained**Consolidometer No.** G1427**1 Division** = 0.0001 (in)**C<sub>v</sub> Test Data Summary**

<b><u>Sample Properties</u></b>	<b><u>Initial</u></b>	<b><u>Final</u></b>	<b><u>Load</u></b>	<b><u>Dial</u></b>	<b><u>Machine</u></b>	<b><u>Corrected</u></b>	<b><u>Sample</u></b>	<b><u>Time</u></b>	<b><u>C<sub>v</sub></u></b>
			<b><u>Increment</u></b>	<b><u>Reading</u></b>	<b><u>Deflection</u></b>	<b><u>Dial Reading</u></b>	<b><u>Height</u></b>	<b><u>t<sub>50</sub></u></b>	
			(tsf)	@ t <sub>50</sub> (div)	(div)	@ t <sub>50</sub> (div)	@ t <sub>50</sub> (mm)	(min)	(cm <sup>2</sup> /sec)
<i>Water Content</i>									
Tare Number	2569	2683							
Wt. Tare & WS (g)	82.33	153.58							
Wt. Tare & DS (g)	65.8	122.2							
Wt. Water (g)	16.53	31.38	Seating	NA	NA	NA	NA	NA	NA
Wt. Tare (g)	6.67	6.56	0.25	38.3	23.9	14.4	25.36	0.14	0.03832
Wt. DS (g)	59.13	115.64	0.5	71.7	40.1	31.5	25.32	0.23	0.02313
Water Content (%)	27.96	27.14	1	116.4	62.7	53.6	25.26	0.36	0.01466
			2	172.4	95.7	76.7	25.21	0.29	0.01807
			4	248.8	128.7	120.1	25.09	0.12	0.04496
<b><u>Sample Parameters</u></b>			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	0.9303	0.5	190.3	64.2	126.0	25.08	0.24	0.02166
Sample Volume (cm <sup>3</sup> )	80.44	74.83	1	205.6	76.5	129.1	25.07	0.12	0.04433
Wt. Wet Sample + Ring (g)	362.94	361.99	2	232.5	100.1	132.4	25.06	0.58	0.00899
Wt. of Ring (g)	214.72	214.72	4	274.2	126.6	147.6	25.03	0.12	0.04299
Wt. of Wet Sample (g)	148.22	147.27	8	372.7	178.9	193.8	24.91	0.12	0.04199
Wet Density (pcf)	114.98	122.81	16	578.4	232.8	345.6	24.52	0.16	0.03161
Wet Density (g/cm <sup>3</sup> )	1.84	1.97	32	1015.5	317.3	698.1	23.63	0.22	0.02109
Water Content (%)	27.96	27.14	8	NA	NA	NA	NA	NA	NA
Wt. of Dry Sample (g)	115.84	115.84	2	NA	NA	NA	NA	NA	NA
Dry Density (pcf)	89.86	96.59	0.5	NA	NA	NA	NA	NA	NA
Dry Density (g/cm <sup>3</sup> )	1.44	1.55							
Void Ratio	0.8541	0.7248							
Saturation (%)	87.39	99.96							
Specific Gravity	2.67	Measured							

<b>Tested By</b>	DB	<b>Date</b>	11/19/13	<b>Input Checked By</b>	TM	<b>Date</b>	12/6/13
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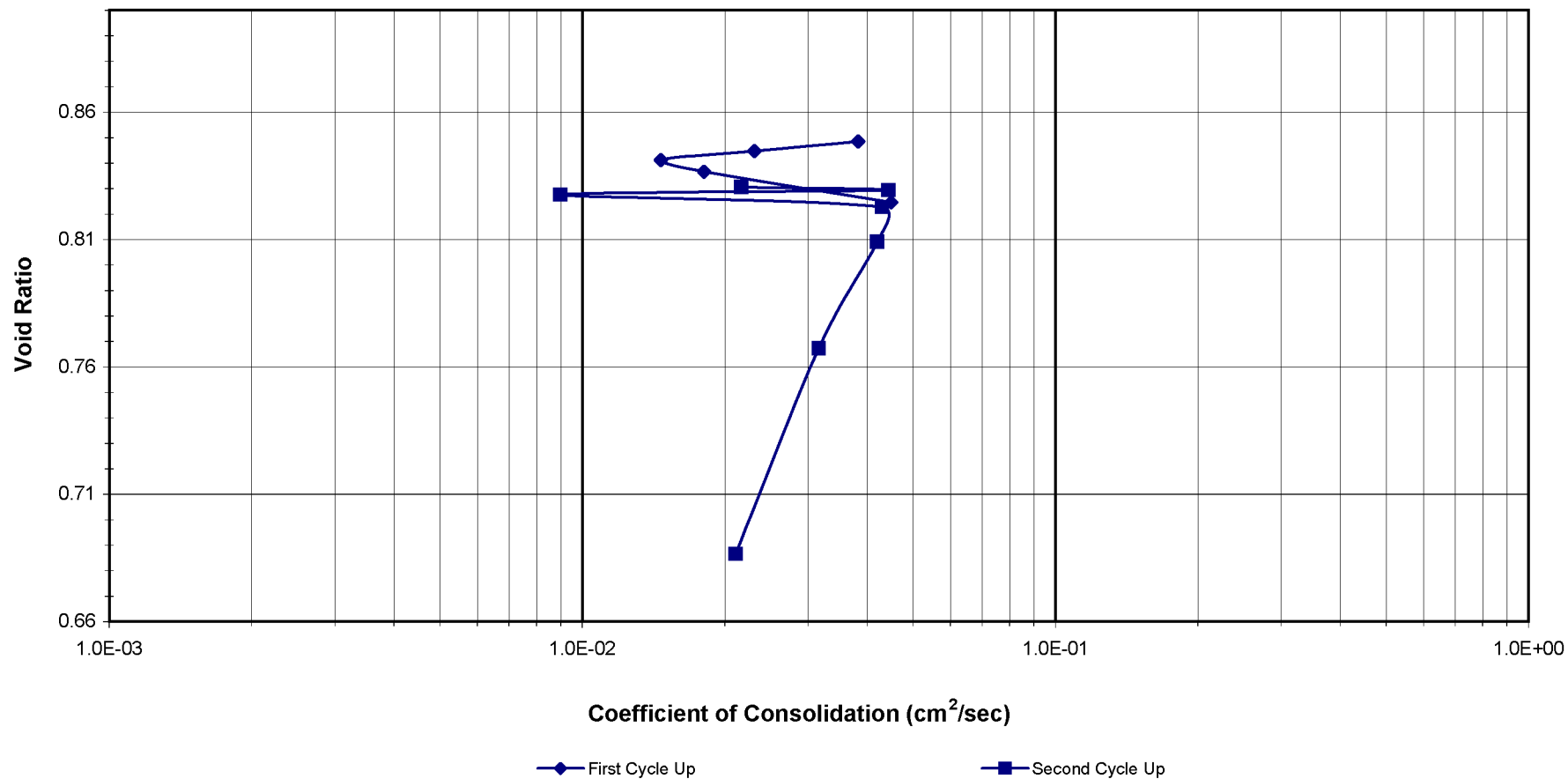
# ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Reference Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-008

Boring No. R-7-1  
 Depth (ft) 266.9-267.1  
 Sample No. ST-10  
 Visual Description Gray Silty Sand

Sample Conditions: Undisturbed, Inundated And Double Drained



Tested By DB Date 11/19/13

Approved By RJO Date 12/6/13

## One Dimensional Consolidation

ASTM D2435 / D2435M-11

### EQUIPMENT LIST

Client	Paul C. Rizzo & Associates	Boring No. R-7-1
Client Reference	Turkey Point Units 6 & 7 Site	Depth (ft) 266.9-267.1
Project No.	2013-465-001	Sample No. ST-10
Lab ID #	2013-465-001-008	

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



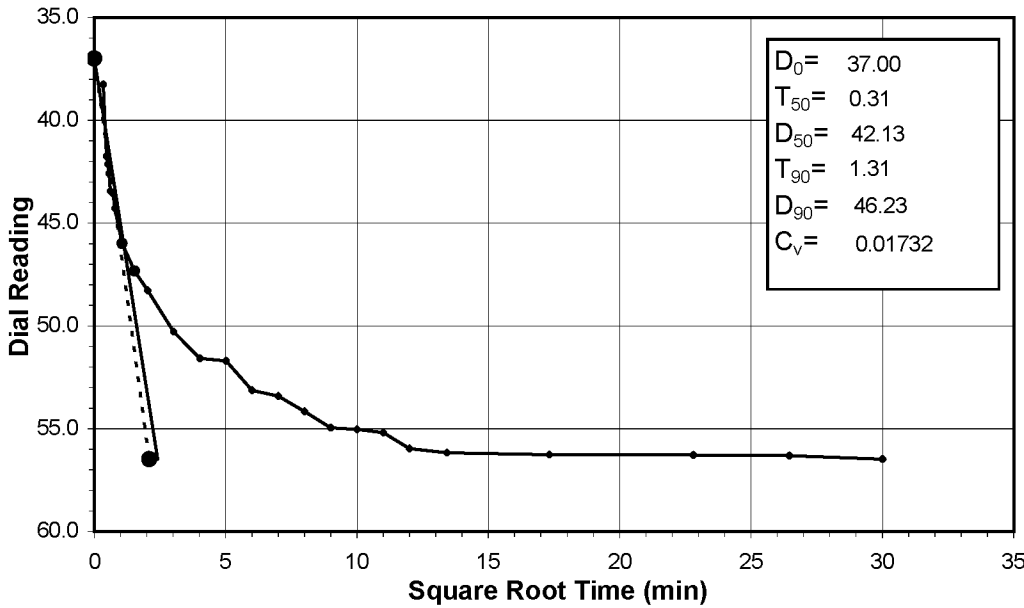
## ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-009

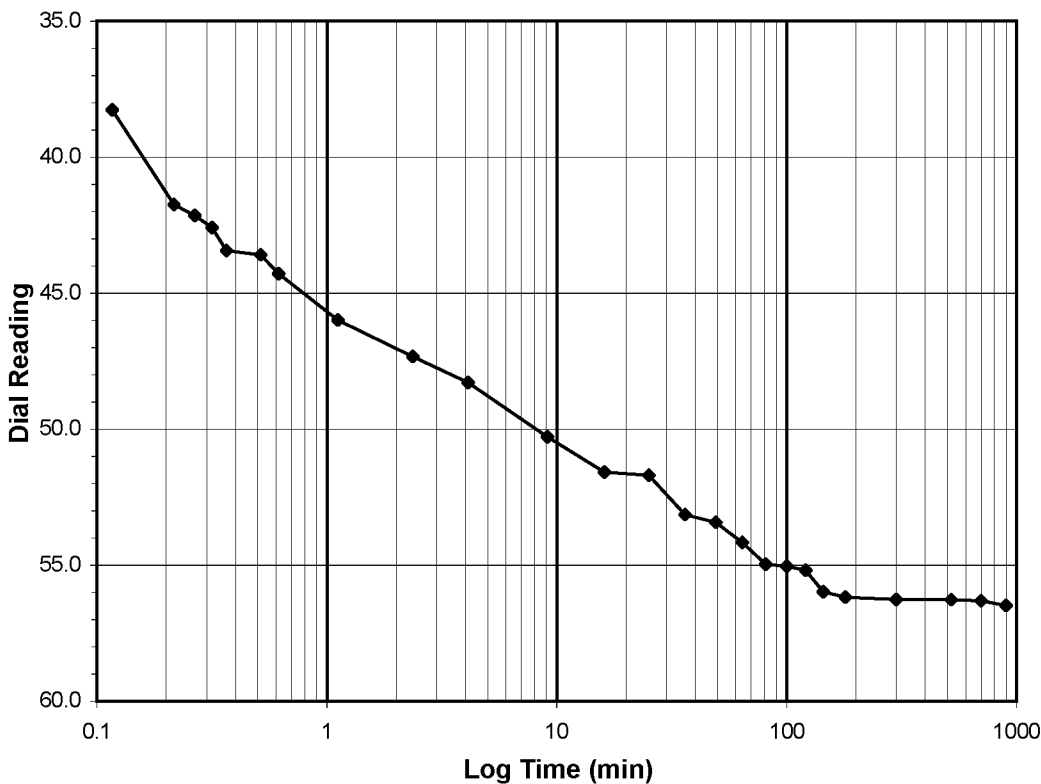
Boring No. R-7-1  
 Depth (ft) 277.9-278.1  
 Sample No. ST-11  
 Visual Description Gray Silty Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



<b>Test Load (tsf)</b>	<b>0.0-0.25</b>
<b>Final Reading (div)</b>	<b>56.5</b>
Consolidometer No.	<b>G1421</b>
1 Division (in)	0.0001
Start Date	11/18/13
Start Time	12:24:13

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>0.0</b>
0.12	38.3
0.22	41.7
0.27	42.1
0.32	42.6
0.37	43.4
0.52	43.6
0.62	44.3
1.12	46.0
2.37	47.3
4.12	48.3
9.12	50.3
16.13	51.6
25.13	51.7
36.13	53.1
49.13	53.4
64.13	54.2
81.13	55.0
100.13	55.0
121.13	55.2
144.13	56.0
180.13	56.2
300.13	56.3
520.13	56.3
700.13	56.3
900.07	56.5



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

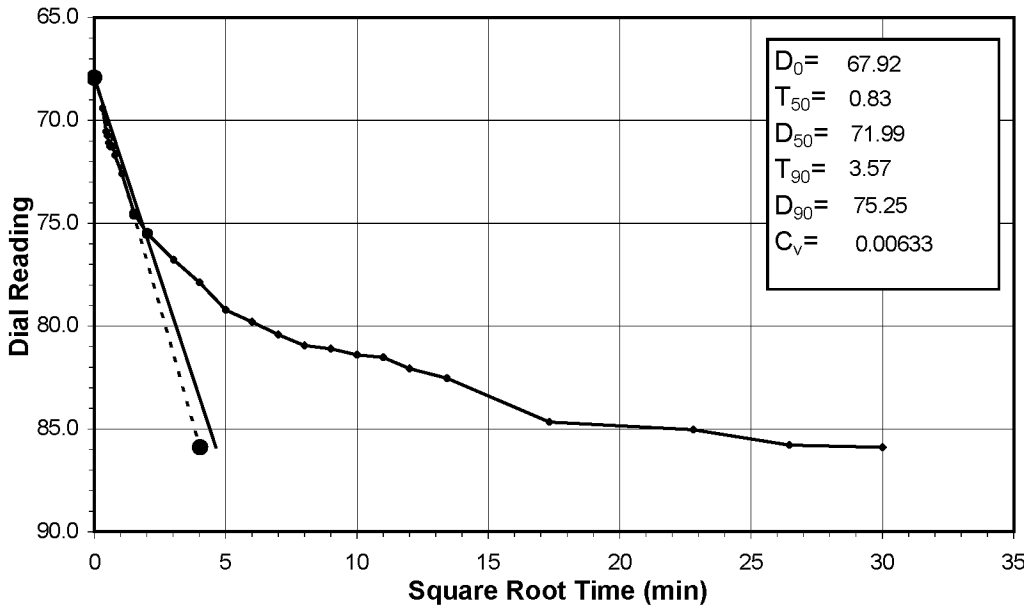
## ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-009

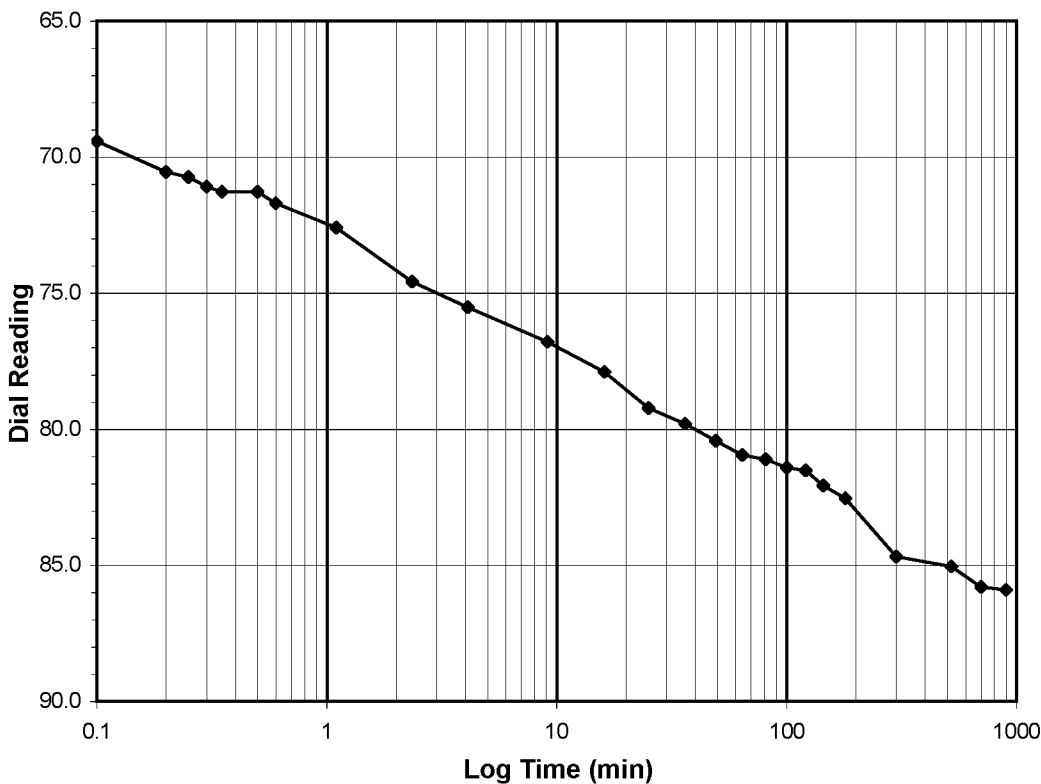
Boring No. R-7-1  
 Depth (ft) 277.9-278.1  
 Sample No. ST-11  
 Visual Description Gray Silty Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



<b>Test Load (tsf)</b>	<b>0.25-0.5</b>
<b>Final Reading (div)</b>	<b>85.9</b>
Consolidometer No.	<b>G1421</b>
1 Division (in)	0.0001
Start Date	11/19/13
Start Time	3:24:16

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>56.5</b>
0.10	69.4
0.20	70.5
0.25	70.7
0.30	71.1
0.35	71.3
0.50	71.3
0.60	71.7
1.10	72.6
2.35	74.6
4.10	75.5
9.10	76.8
16.10	77.9
25.10	79.2
36.10	79.8
49.10	80.4
64.10	81.0
81.10	81.1
100.10	81.4
121.10	81.5
144.12	82.1
180.12	82.5
300.12	84.7
520.12	85.0
700.12	85.8
900.08	85.9



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



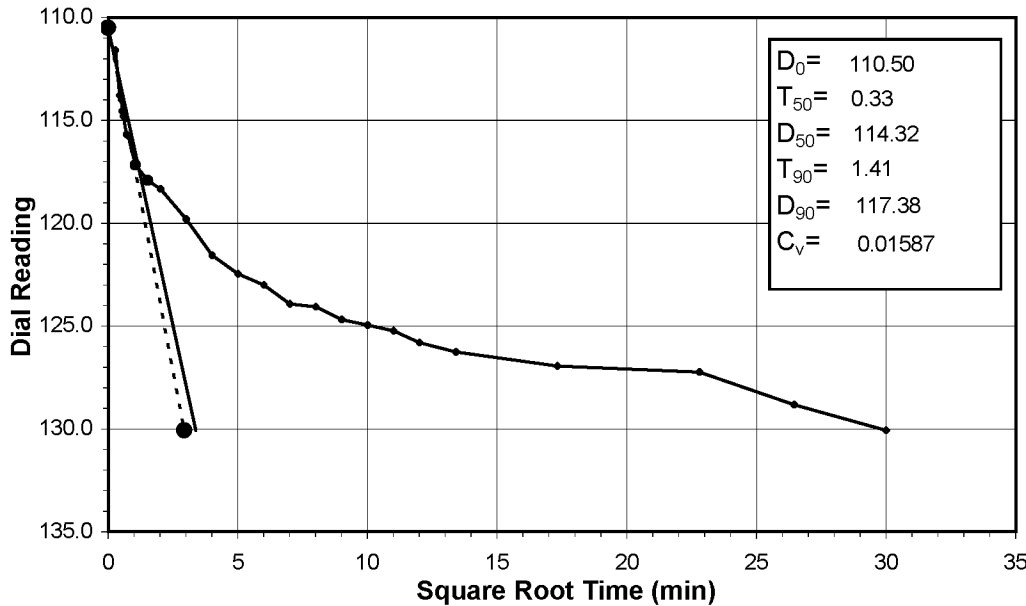
# ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-009

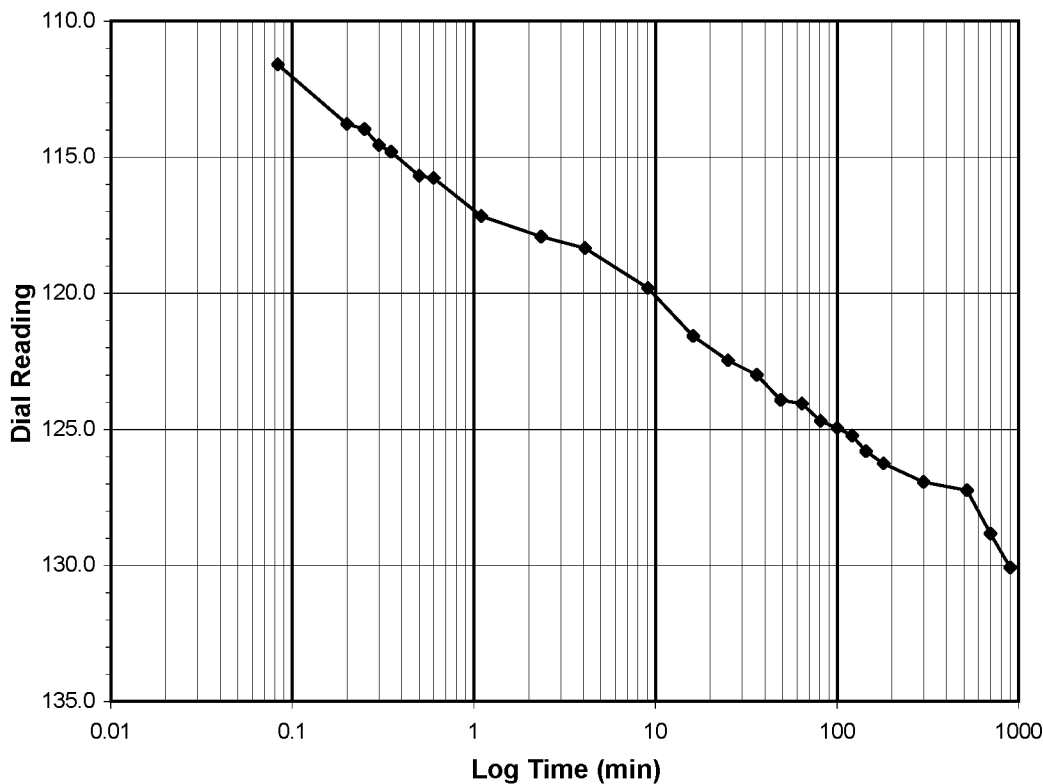
Boring No. R-7-1  
 Depth (ft) 277.9-278.1  
 Sample No. ST-11  
 Visual Description Gray Silty Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



**Test Load (tsf)** 0.5-1.0  
**Final Reading (div)** 130.1  
 Consolidometer No. **G1421**  
 1 Division (in) 0.0001  
 Start Date 11/19/13  
 Start Time 18:24:21

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>85.9</b>
0.08	111.6
0.20	113.8
0.25	114.0
0.30	114.5
0.35	114.8
0.50	115.7
0.60	115.8
1.10	117.2
2.35	117.9
4.10	118.3
9.10	119.8
16.10	121.6
25.10	122.5
36.10	123.0
49.10	123.9
64.10	124.1
81.12	124.7
100.12	124.9
121.12	125.2
144.12	125.8
180.12	126.3
300.12	126.9
520.12	127.2
700.12	128.8
900.07	130.1



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



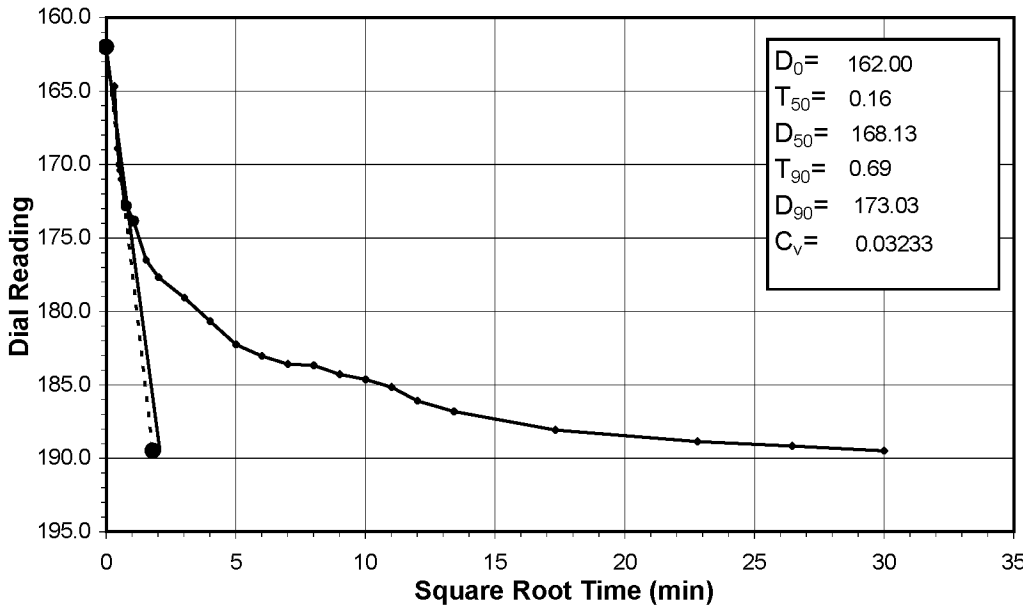
# ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-009

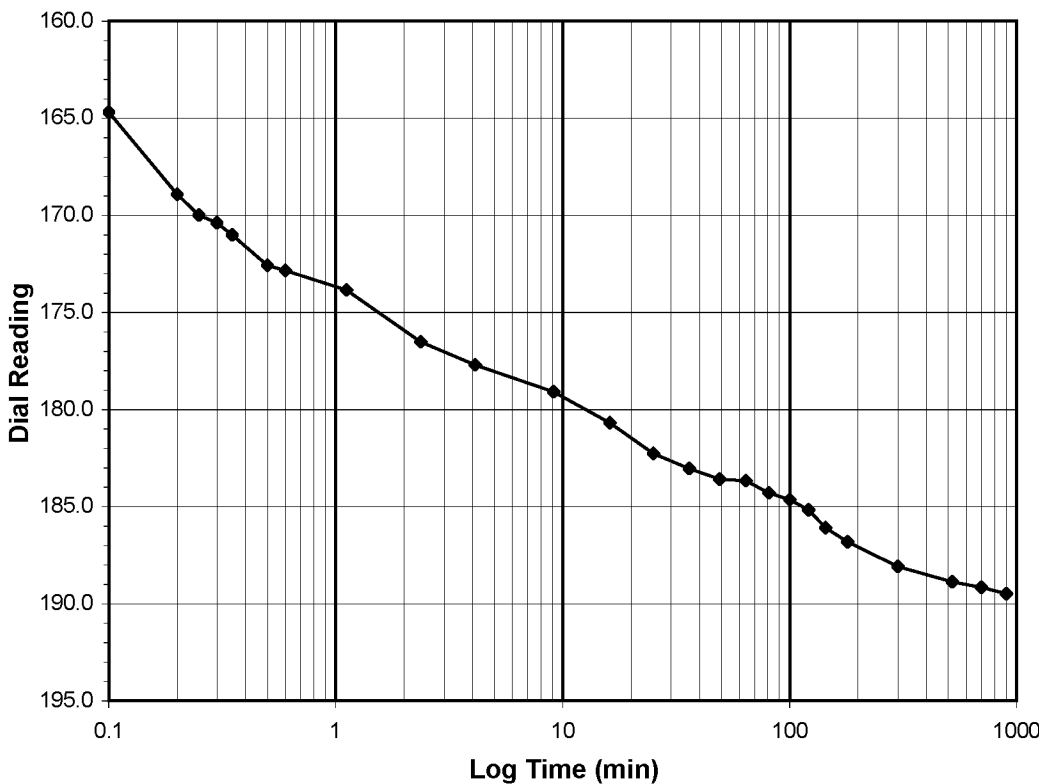
Boring No. R-7-1  
 Depth (ft) 277.9-278.1  
 Sample No. ST-11  
 Visual Description Gray Silty Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



**Test Load (tsf)** 1.0-2.0  
**Final Reading (div)** 189.5  
 Consolidometer No. G1421  
 1 Division (in) 0.0001  
 Start Date 11/20/13  
 Start Time 11:45:12

Elapsed Time (min)	Dial Reading (div)
<i>Initial</i>	<b>130.1</b>
0.10	164.7
0.20	168.9
0.25	170.0
0.30	170.4
0.35	171.0
0.50	172.6
0.60	172.8
1.12	173.8
2.37	176.5
4.12	177.7
9.12	179.1
16.12	180.7
25.12	182.3
36.12	183.0
49.12	183.6
64.12	183.7
81.12	184.3
100.12	184.6
121.12	185.2
144.12	186.1
180.12	186.8
300.12	188.1
520.12	188.9
700.12	189.2
900.20	189.5



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

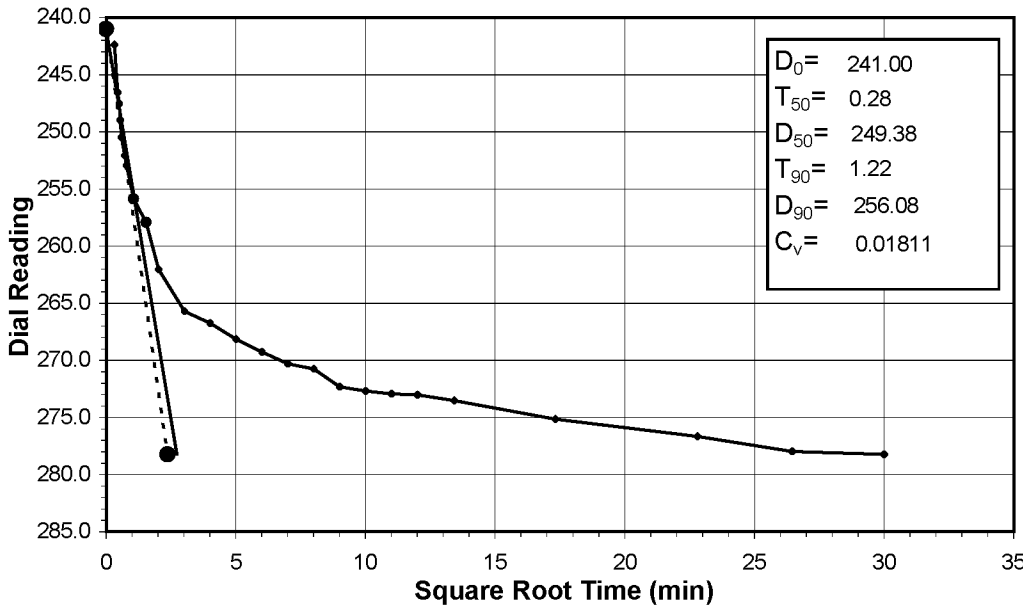
# ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-009

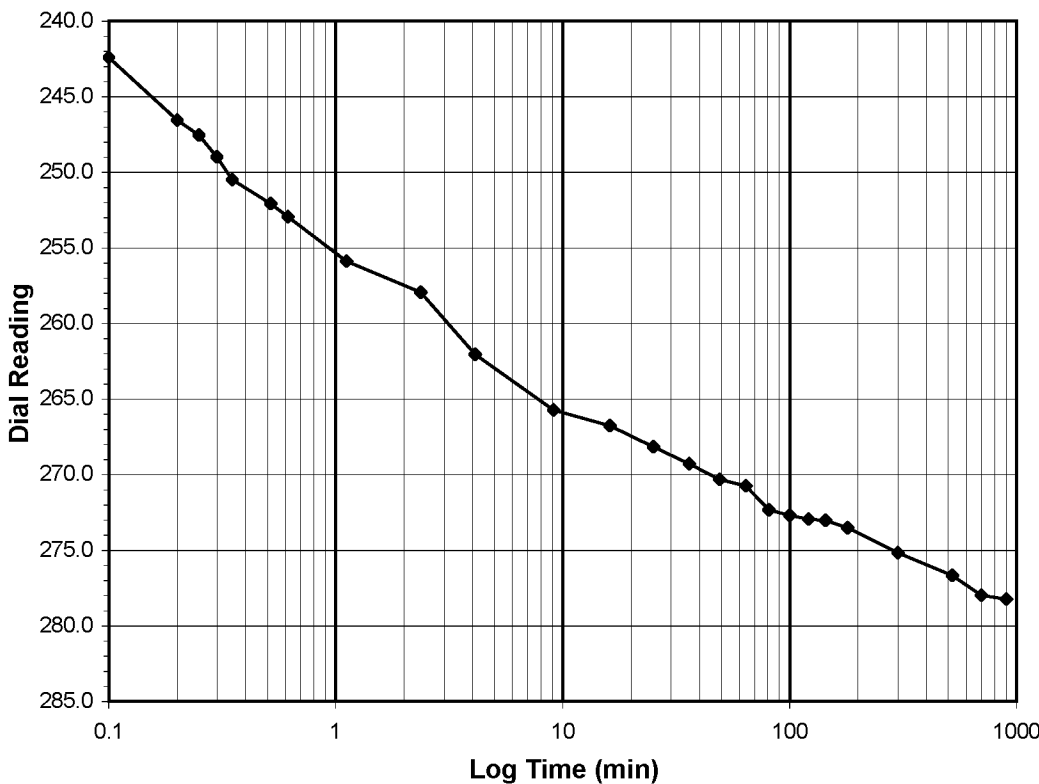
Boring No. R-7-1  
 Depth (ft) 277.9-278.1  
 Sample No. ST-11  
 Visual Description Gray Silty Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



**Test Load (tsf)** 2.0-4.0  
**Final Reading (div)** 278.2  
 Consolidometer No. **G1421**  
 1 Division (in) 0.0001  
 Start Date 11/21/13  
 Start Time 2:45:24

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>189.5</b>
0.10	242.4
0.20	246.5
0.25	247.5
0.30	249.0
0.35	250.5
0.52	252.1
0.62	252.9
1.12	255.9
2.37	257.9
4.12	262.0
9.12	265.7
16.12	266.8
25.12	268.2
36.12	269.3
49.12	270.3
64.12	270.7
81.12	272.3
100.12	272.7
121.12	272.9
144.12	273.0
180.13	273.5
300.13	275.2
520.13	276.7
700.13	278.0
900.20	278.2



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



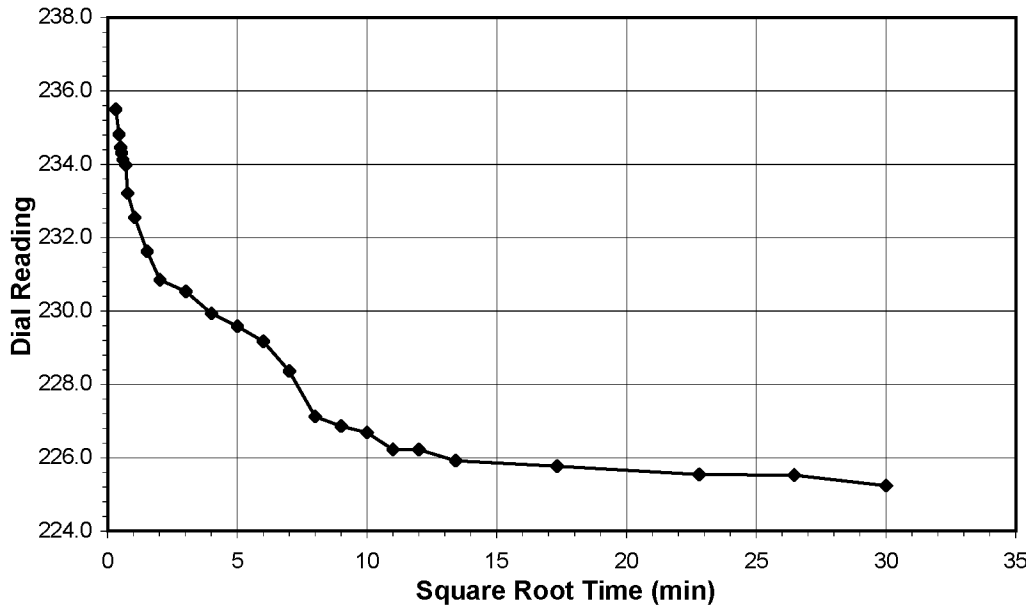
# ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-009

Boring No. R-7-1  
 Depth (ft) 277.9-278.1  
 Sample No. ST-11  
 Visual Description Gray Silty Sand

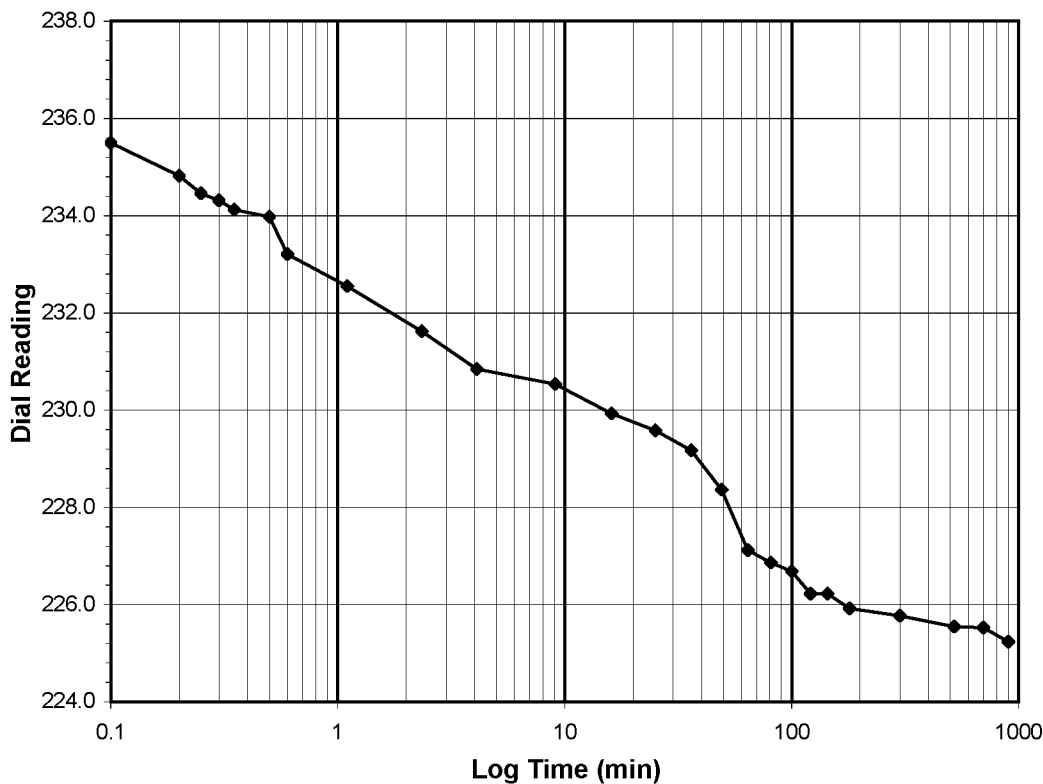
**Sample Conditions:** Undisturbed, Inundated And Double Drained



**Test Load (tsf)** 4.0-1.0  
**Final Reading (div)** 225.2  
 Consolidometer No. G1421  
 1 Division (in) 0.0001

Start Date 11/21/13  
 Start Time 17:45:37

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>278.2</b>
0.10	235.5
0.20	234.8
0.25	234.5
0.30	234.3
0.35	234.1
0.50	234.0
0.60	233.2
1.10	232.5
2.35	231.6
4.10	230.8
9.10	230.5
16.10	229.9
25.10	229.6
36.10	229.2
49.10	228.4
64.12	227.1
81.12	226.9
100.12	226.7
121.12	226.2
144.12	226.2
180.12	225.9
300.12	225.8
520.12	225.5
700.12	225.5
900.20	225.2



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



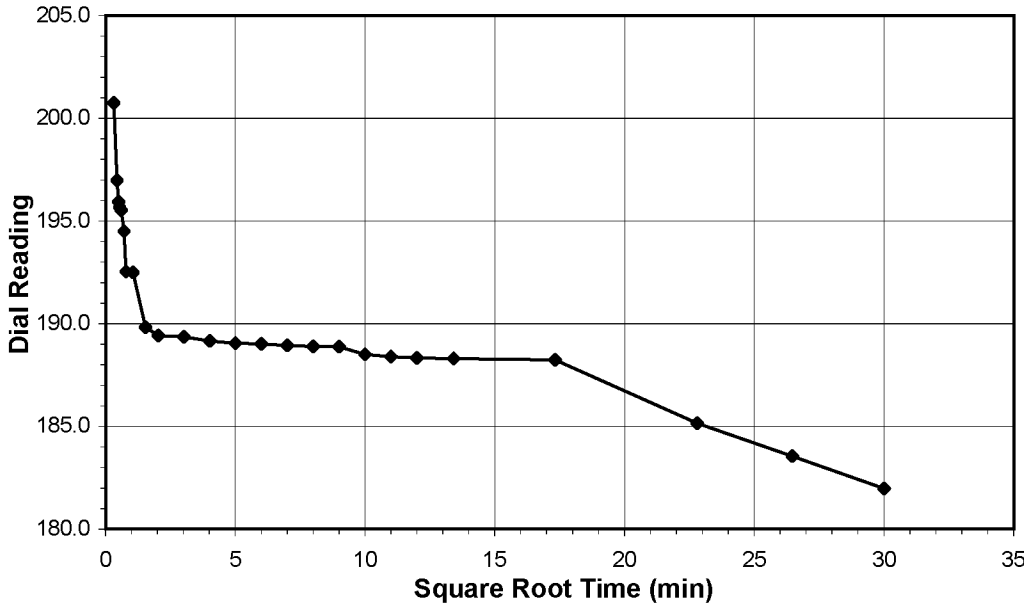
# ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-009

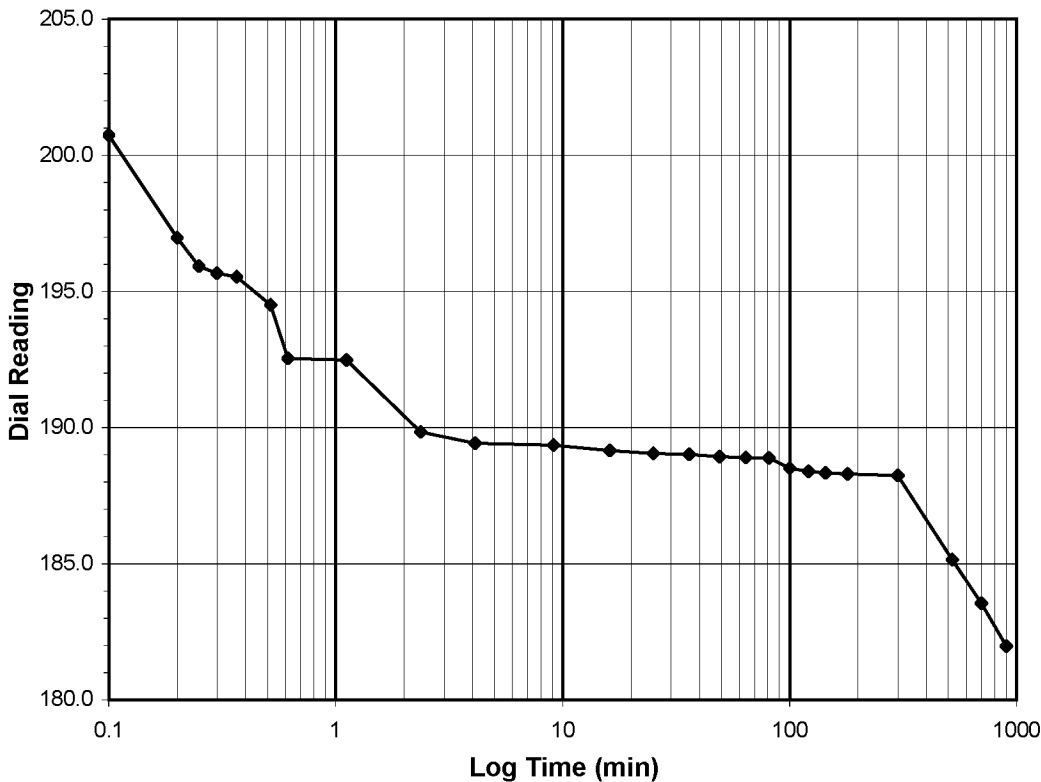
Boring No. R-7-1  
 Depth (ft) 277.9-278.1  
 Sample No. ST-11  
 Visual Description Gray Silty Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



**Test Load (tsf)** 1.0-0.25  
**Final Reading (div)** 182.0  
 Consolidometer No. G1421  
 1 Division (in) 0.0001  
 Start Date 11/22/13  
 Start Time 8:45:49

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>225.2</b>
0.10	200.8
0.20	197.0
0.25	195.9
0.30	195.7
0.37	195.5
0.52	194.5
0.62	192.5
1.12	192.5
2.37	189.8
4.12	189.4
9.12	189.4
16.12	189.2
25.12	189.1
36.12	189.0
49.12	188.9
64.13	188.9
81.13	188.9
100.13	188.5
121.13	188.4
144.13	188.3
180.13	188.3
300.13	188.2
520.13	185.1
700.13	183.6
900.18	182.0



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

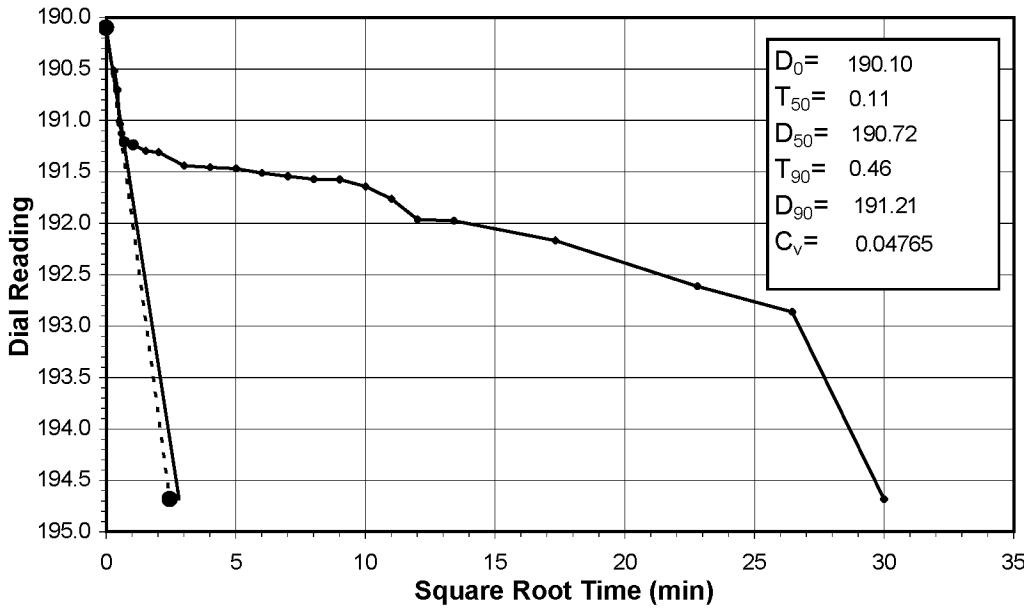
## ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-009

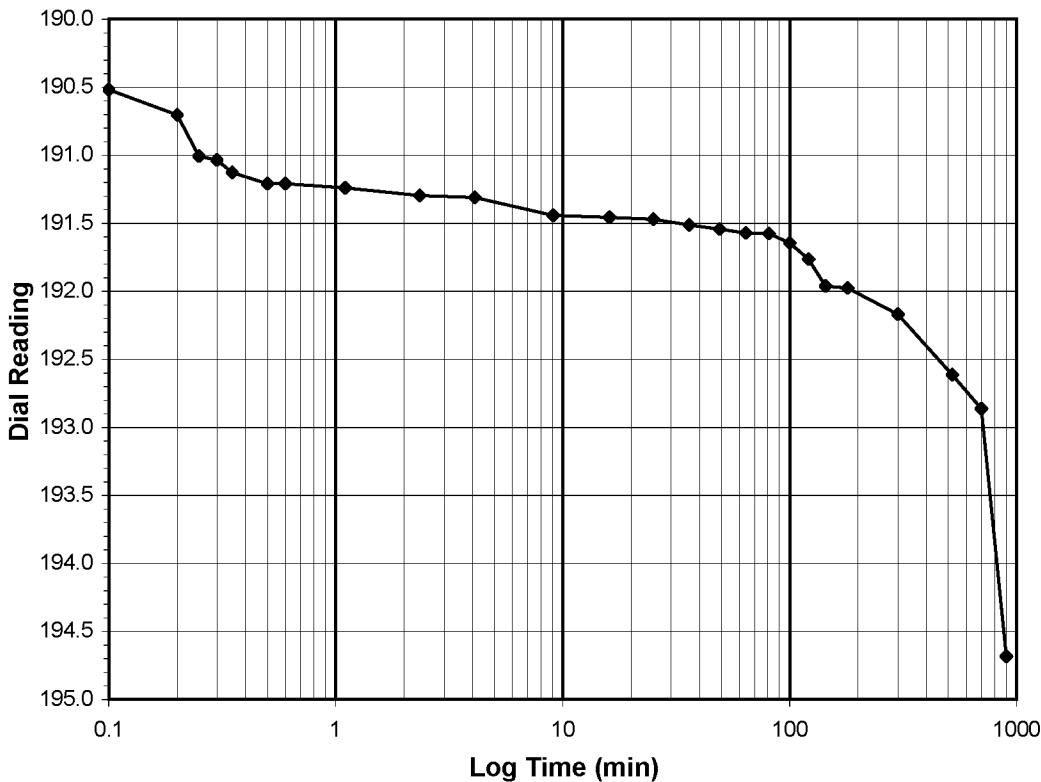
Boring No. R-7-1  
 Depth (ft) 277.9-278.1  
 Sample No. ST-11  
 Visual Description Gray Silty Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



<b>Test Load (tsf)</b>	<b>0.25-0.5</b>
<b>Final Reading (div)</b>	<b>194.7</b>
Consolidometer No.	<b>G1421</b>
1 Division (in)	0.0001
Start Date	11/22/13
Start Time	23:46:01

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>182.0</b>
0.10	190.5
0.20	190.7
0.25	191.0
0.30	191.0
0.35	191.1
0.50	191.2
0.60	191.2
1.10	191.2
2.35	191.3
4.10	191.3
9.10	191.4
16.10	191.5
25.10	191.5
36.10	191.5
49.10	191.5
64.10	191.6
81.10	191.6
100.10	191.6
121.12	191.8
144.12	192.0
180.12	192.0
300.12	192.2
520.12	192.6
700.12	192.9
900.18	194.7



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



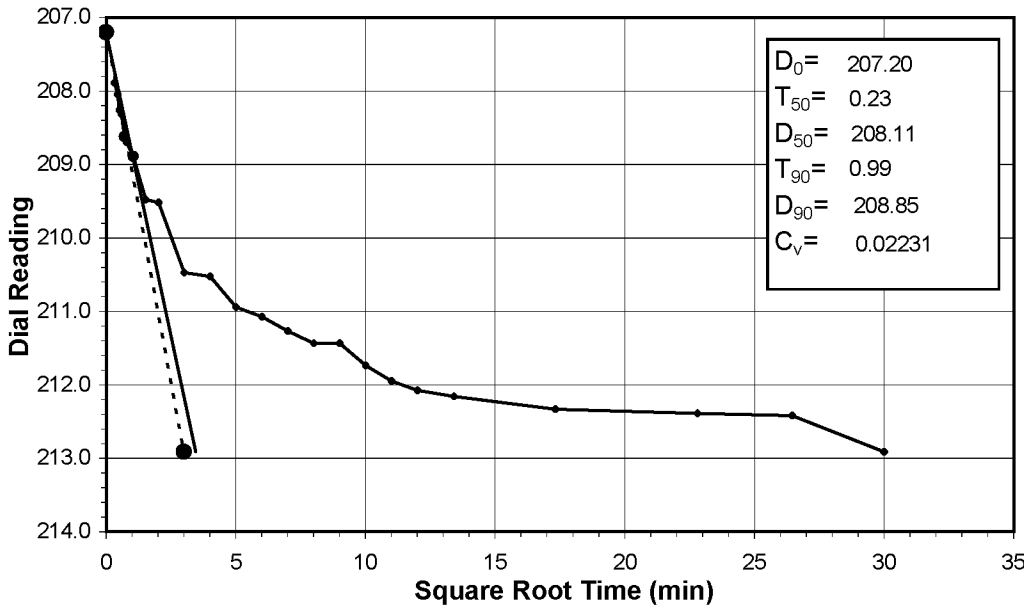
## ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-009

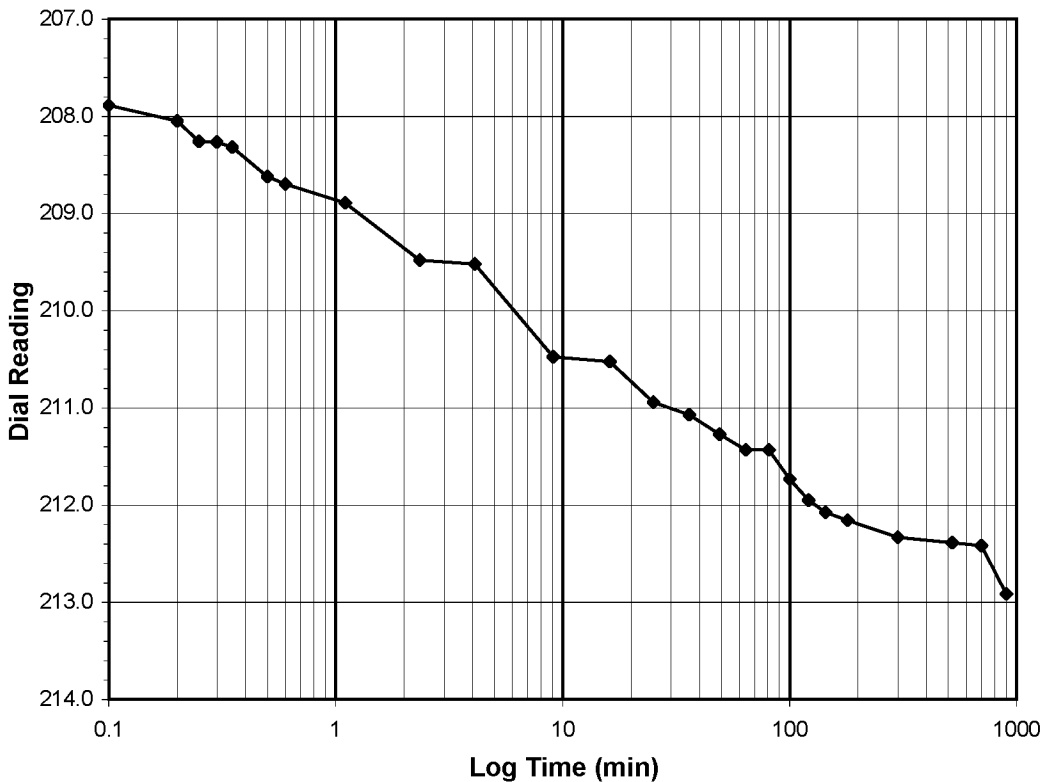
Boring No. R-7-1  
 Depth (ft) 277.9-278.1  
 Sample No. ST-11  
 Visual Description Gray Silty Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



<b>Test Load (tsf)</b>	<b>0.5-1.0</b>
<b>Final Reading (div)</b>	<b>212.9</b>
<b>Consolidometer No.</b>	<b>G1421</b>
<b>1 Division (in)</b>	<b>0.0001</b>
<b>Start Date</b>	<b>11/23/13</b>
<b>Start Time</b>	<b>14:46:12</b>

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>194.7</b>
0.10	207.9
0.20	208.0
0.25	208.3
0.30	208.3
0.35	208.3
0.50	208.6
0.60	208.7
1.10	208.9
2.35	209.5
4.10	209.5
9.10	210.5
16.12	210.5
25.12	210.9
36.12	211.1
49.12	211.3
64.12	211.4
81.12	211.4
100.12	211.7
121.12	211.9
144.12	212.1
180.12	212.2
300.12	212.3
520.12	212.4
700.12	212.4
900.28	212.9



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

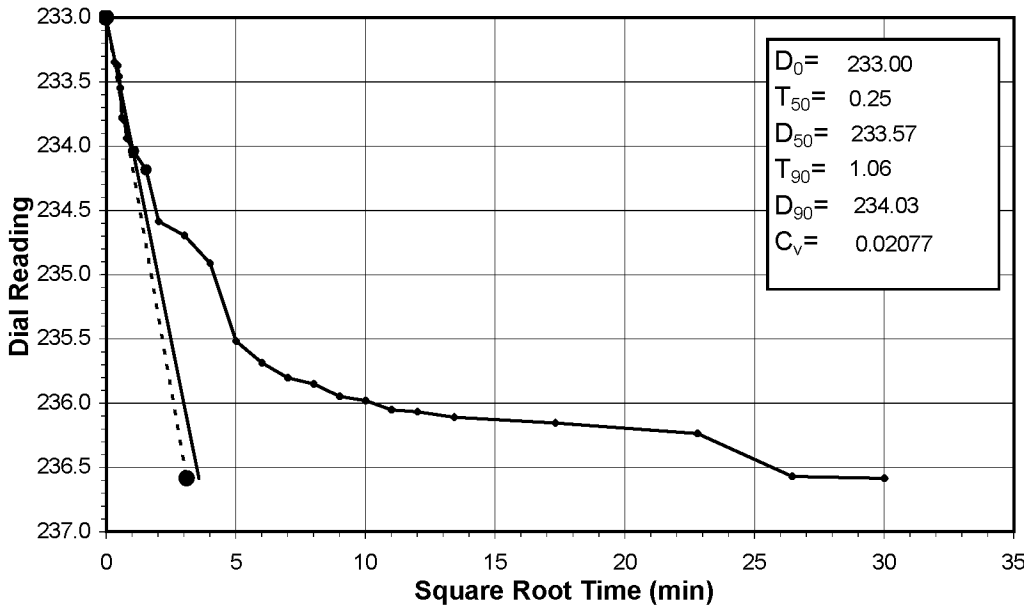
# ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-009

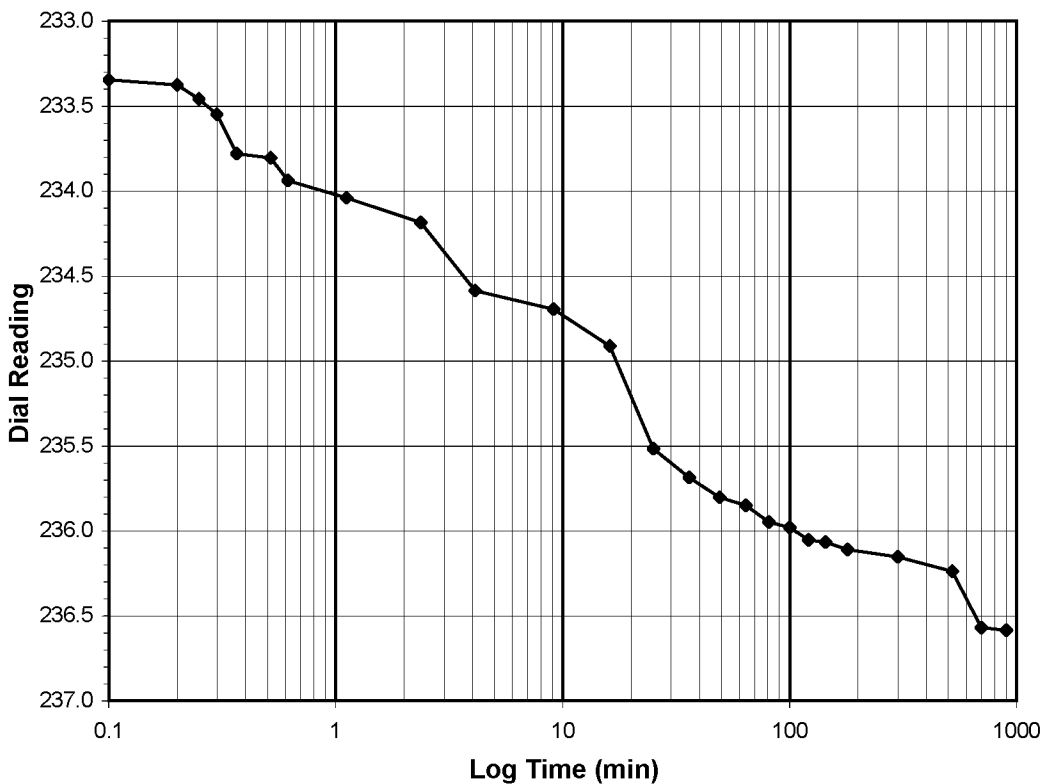
Boring No. R-7-1  
 Depth (ft) 277.9-278.1  
 Sample No. ST-11  
 Visual Description Gray Silty Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



**Test Load (tsf)** 1.0-2.0  
**Final Reading (div)** 236.6  
 Consolidometer No. **G1421**  
 1 Division (in) 0.0001  
 Start Date 11/24/13  
 Start Time 5:46:29

Elapsed Time (min)	Dial Reading (div)
<i>Initial</i>	<b>212.9</b>
0.10	233.3
0.20	233.4
0.25	233.5
0.30	233.5
0.37	233.8
0.52	233.8
0.62	233.9
1.12	234.0
2.37	234.2
4.12	234.6
9.12	234.7
16.12	234.9
25.12	235.5
36.12	235.7
49.12	235.8
64.12	235.8
81.13	235.9
100.13	236.0
121.13	236.1
144.13	236.1
180.13	236.1
300.13	236.2
520.13	236.2
700.13	236.6
900.48	236.6



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

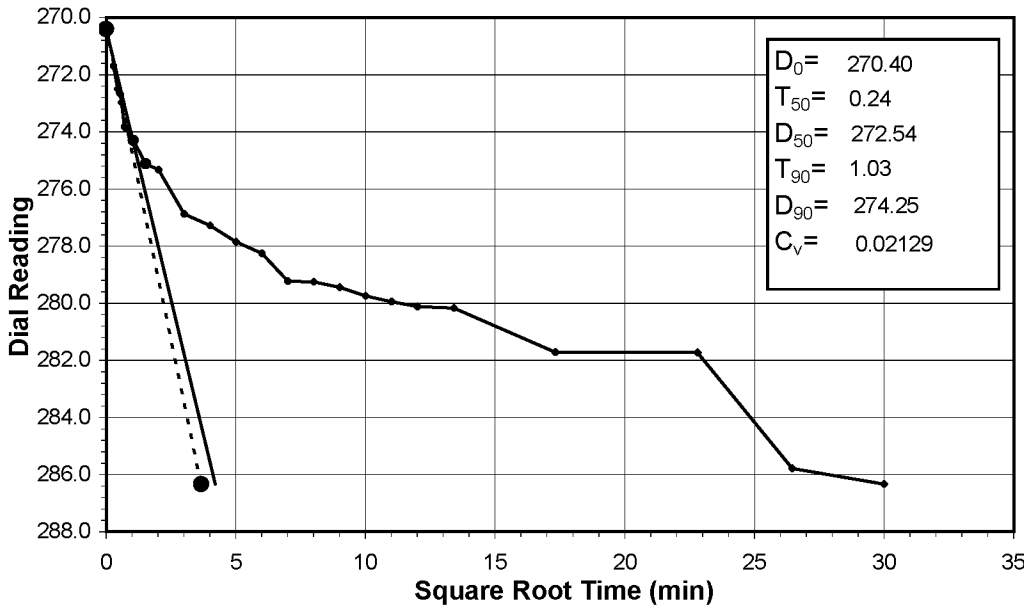
## ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-009

Boring No. R-7-1  
 Depth (ft) 277.9-278.1  
 Sample No. ST-11  
 Visual Description Gray Silty Sand

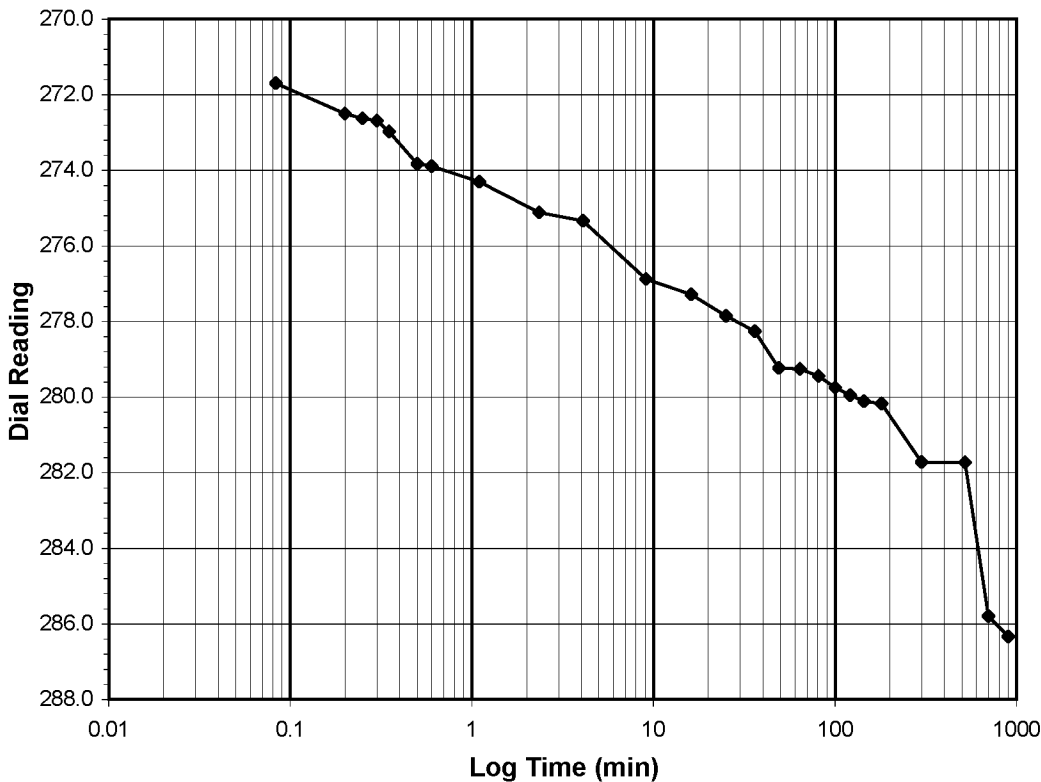
**Sample Conditions:** Undisturbed, Inundated And Double Drained



**Test Load (tsf)** 2.0-4.0  
**Final Reading (div)** 286.3  
 Consolidometer No. G1421  
 1 Division (in) 0.0001

Start Date 11/24/13  
 Start Time 20:46:58

Elapsed Time (min)	Dial Reading (div)
<i>Initial</i>	<b>236.6</b>
0.08	271.7
0.20	272.5
0.25	272.6
0.30	272.7
0.35	273.0
0.50	273.8
0.60	273.9
1.10	274.3
2.35	275.1
4.10	275.3
9.10	276.9
16.10	277.3
25.10	277.8
36.10	278.3
49.10	279.2
64.10	279.3
81.10	279.4
100.10	279.7
121.10	279.9
144.10	280.1
180.10	280.2
300.10	281.7
520.10	281.7
700.10	285.8
900.38	286.3



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



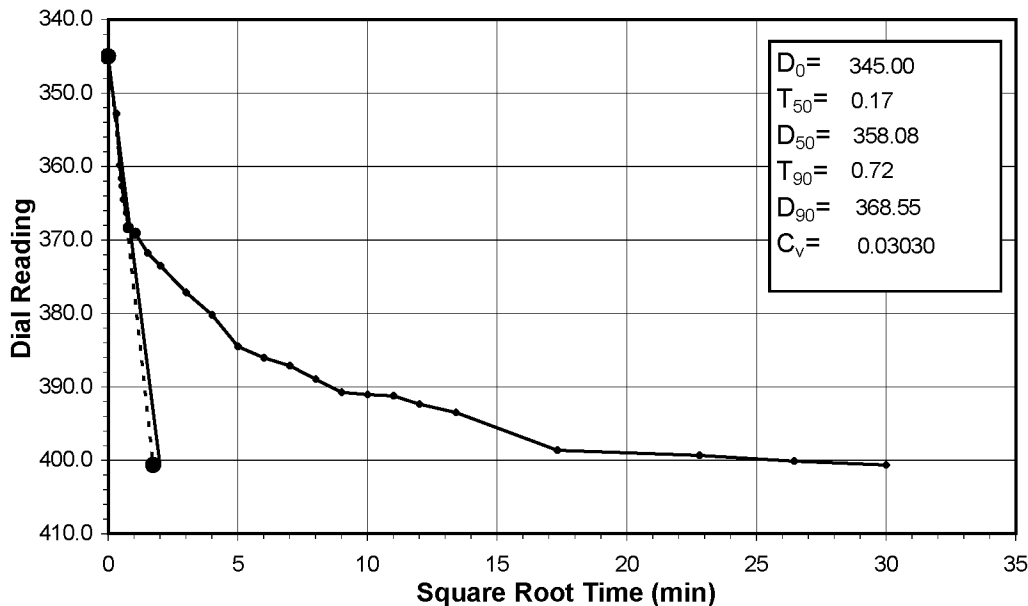
# ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client: Paul C. Rizzo & Associates  
 Client Project: Turkey Point Units 6 & 7 Site  
 Project No.: 2013-465-001  
 Lab ID: 2013-465-001-009

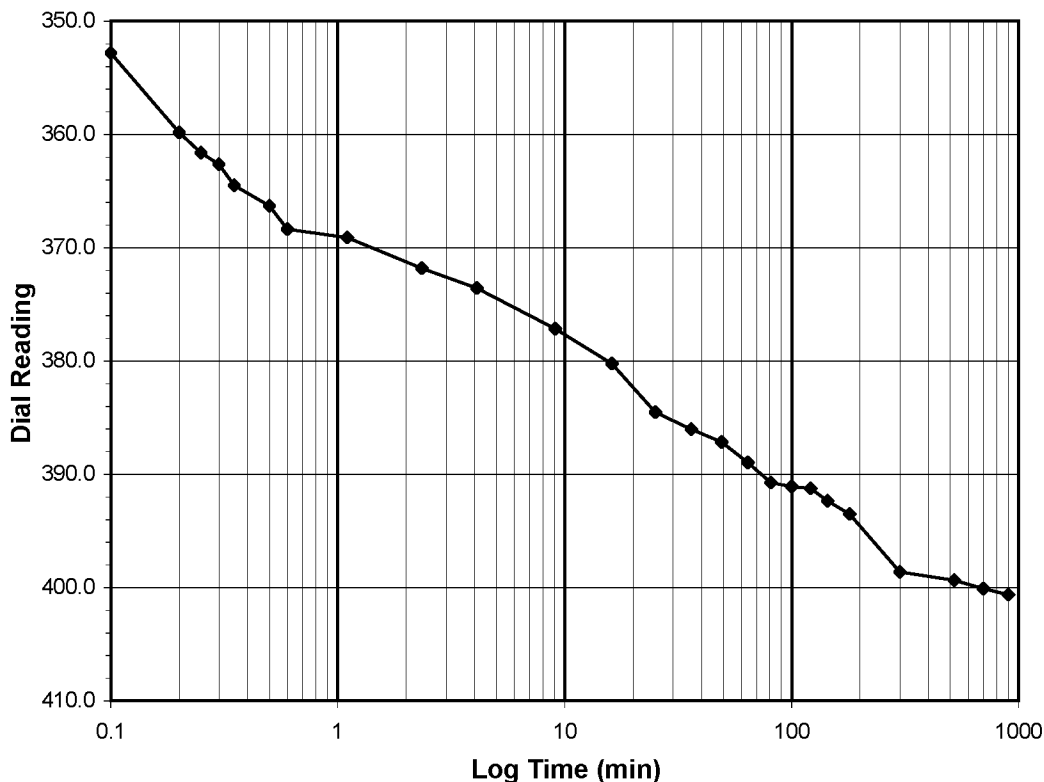
Boring No.: R-7-1  
 Depth (ft): 277.9-278.1  
 Sample No.: ST-11  
 Visual Description: Gray Silty Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



**Test Load (tsf)** 4.0-8.0  
**Final Reading (div)** 400.6  
 Consolidometer No. **G1421**  
 1 Division (in) 0.0001  
 Start Date 11/25/13  
 Start Time 11:47:22

Elapsed Time (min)	Dial Reading (div)
<i>Initial</i>	<b>286.3</b>
0.10	352.8
0.20	359.8
0.25	361.6
0.30	362.6
0.35	364.5
0.50	366.3
0.60	368.4
1.10	369.1
2.35	371.8
4.10	373.6
9.10	377.1
16.12	380.2
25.12	384.5
36.12	386.0
49.12	387.2
64.12	388.9
81.12	390.7
100.12	391.1
121.12	391.2
144.12	392.4
180.12	393.5
300.12	398.6
520.12	399.3
700.13	400.1
900.17	400.6



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



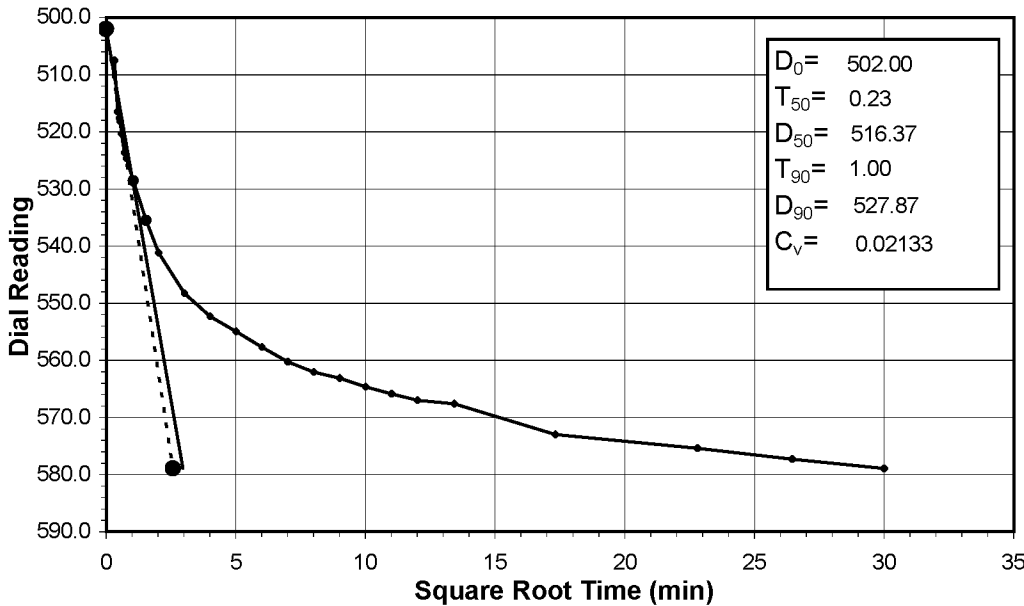
# ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-009

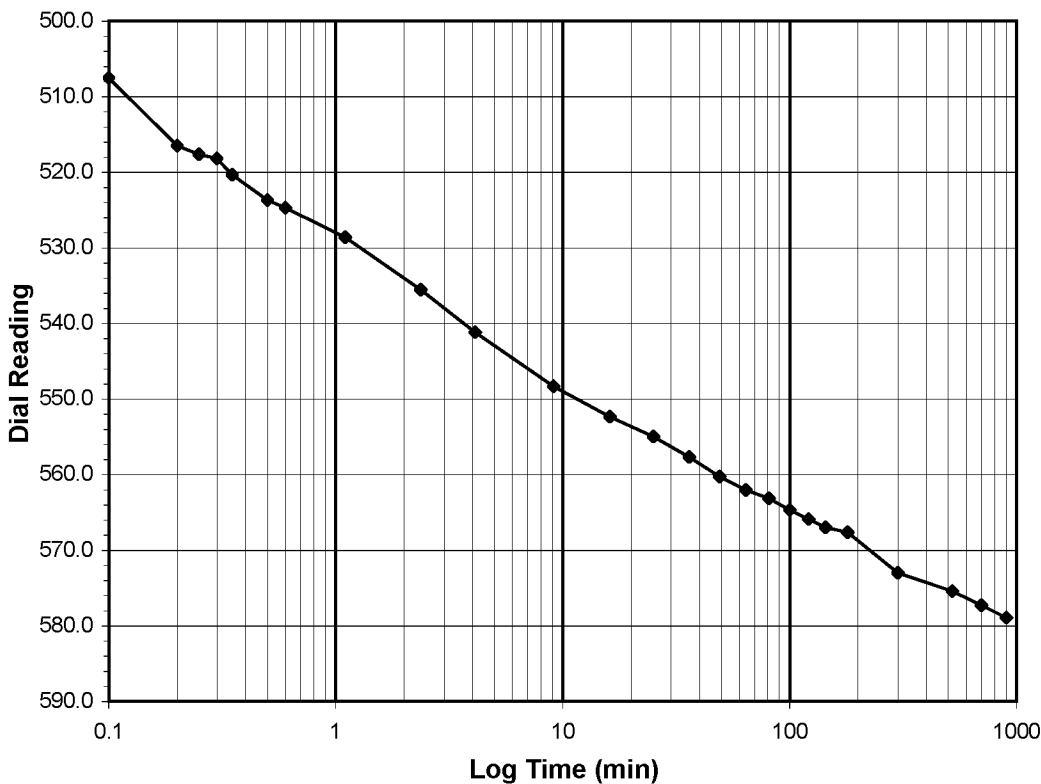
Boring No. R-7-1  
 Depth (ft) 277.9-278.1  
 Sample No. ST-11  
 Visual Description Gray Silty Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



**Test Load (tsf)** 8.0-16.0  
**Final Reading (div)** 578.9  
 Consolidometer No. **G1421**  
 1 Division (in) 0.0001  
 Start Date 11/26/13  
 Start Time 2:47:32

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>400.6</b>
0.10	507.5
0.20	516.5
0.25	517.6
0.30	518.2
0.35	520.3
0.50	523.7
0.60	524.7
1.10	528.6
2.37	535.5
4.12	541.2
9.12	548.3
16.12	552.3
25.12	554.9
36.12	557.7
49.12	560.2
64.12	562.0
81.13	563.1
100.13	564.6
121.13	565.9
144.13	567.0
180.13	567.6
300.13	573.0
520.13	575.4
700.13	577.3
900.37	578.9



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



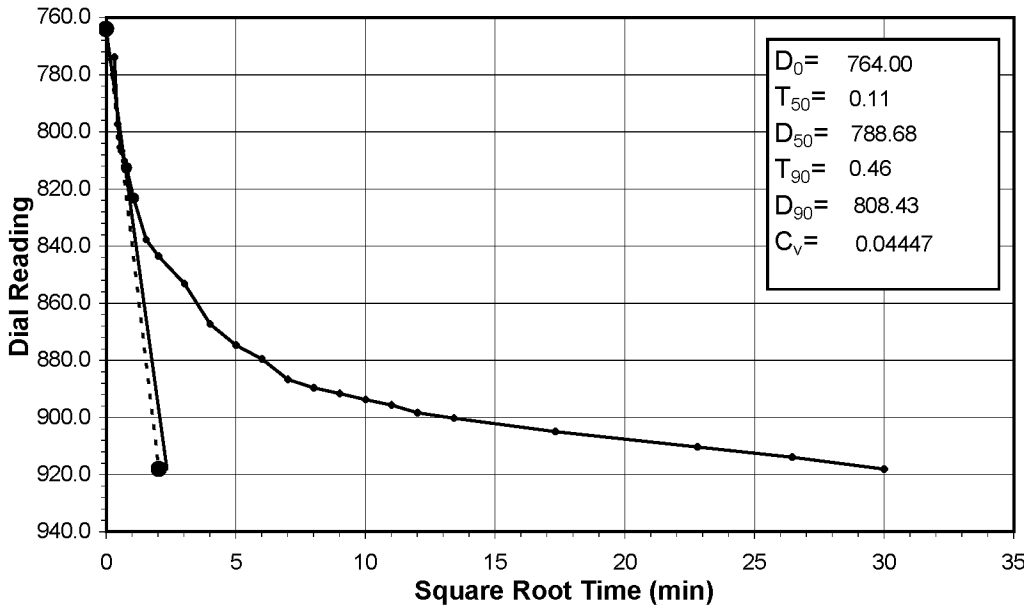
# ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-009

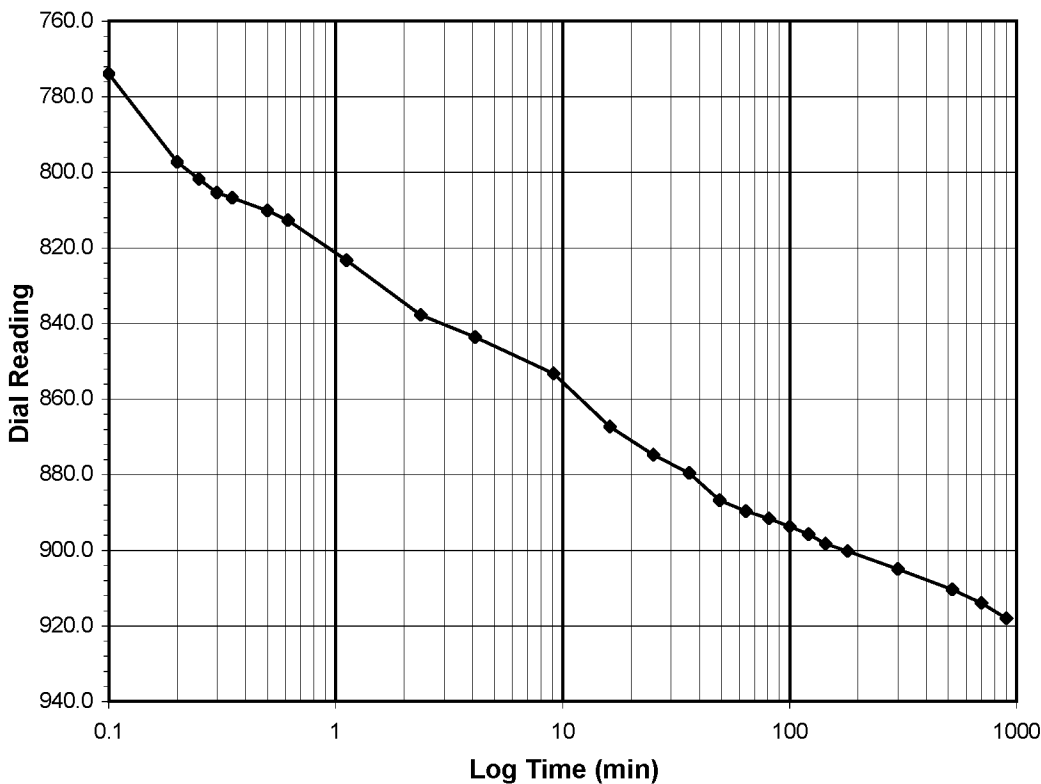
Boring No. R-7-1  
 Depth (ft) 277.9-278.1  
 Sample No. ST-11  
 Visual Description Gray Silty Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



**Test Load (tsf)** 16.0-32.0  
**Final Reading (div)** 918.0  
 Consolidometer No. **G1421**  
 1 Division (in) 0.0001  
 Start Date 11/26/13  
 Start Time 17:47:54

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>578.9</b>
0.10	773.9
0.20	797.3
0.25	801.7
0.30	805.4
0.35	806.7
0.50	810.1
0.62	812.7
1.12	823.2
2.37	837.7
4.12	843.6
9.12	853.2
16.12	867.3
25.12	874.8
36.12	879.5
49.12	886.7
64.12	889.6
81.12	891.6
100.12	893.7
121.12	895.7
144.12	898.3
180.12	900.2
300.13	904.9
520.13	910.4
700.13	913.9
900.40	918.0



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



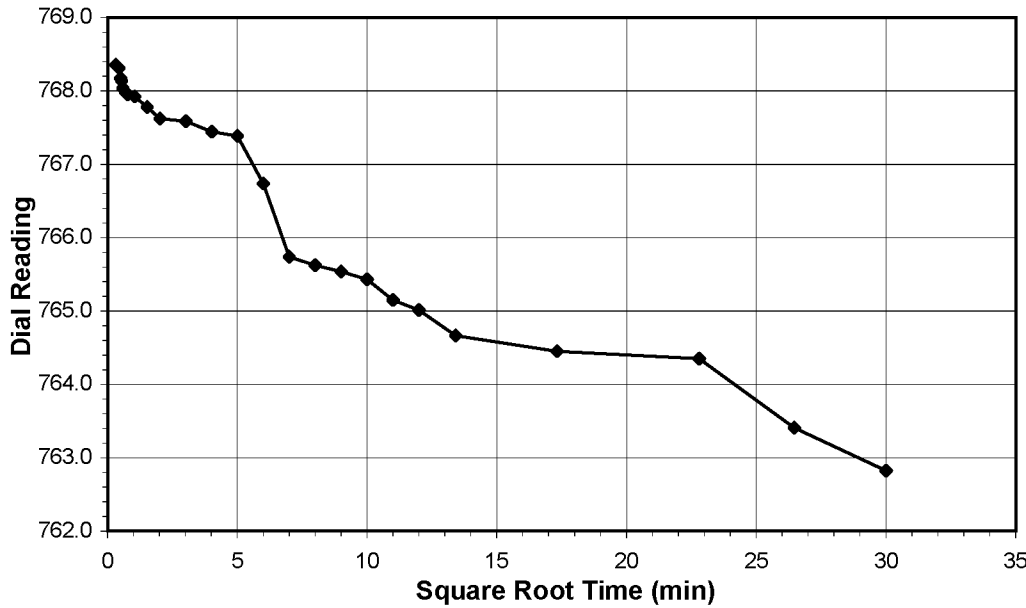
# ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-009

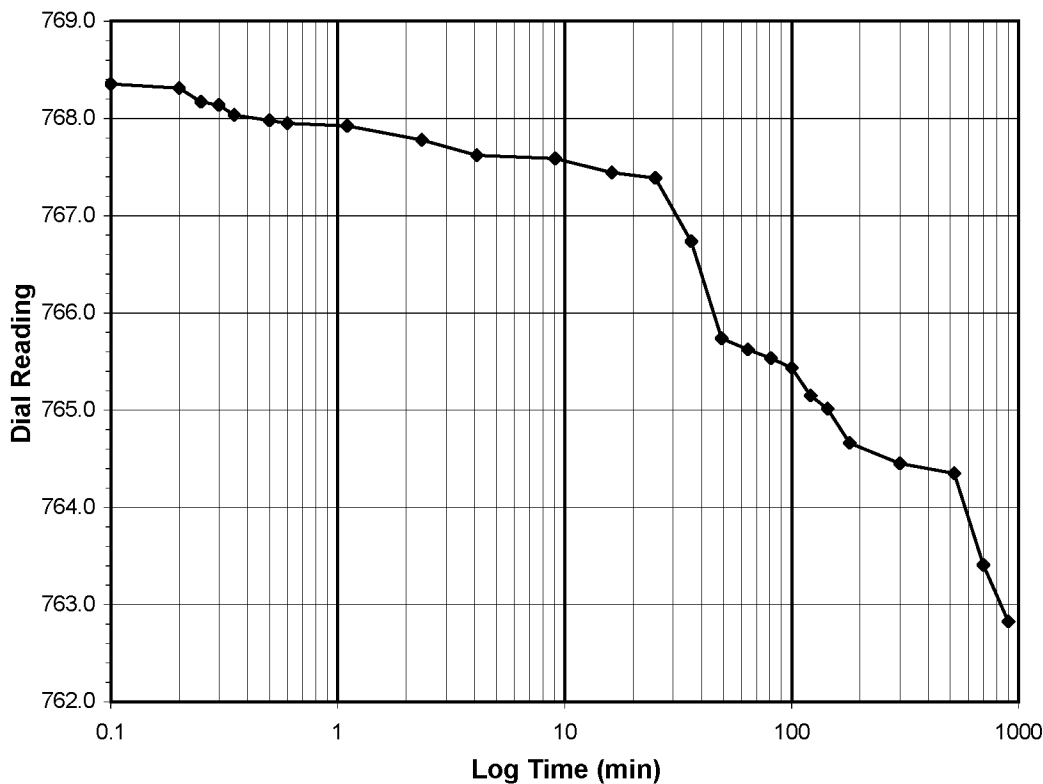
Boring No. R-7-1  
 Depth (ft) 277.9-278.1  
 Sample No. ST-11  
 Visual Description Gray Silty Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



**Test Load (tsf)** 32.0-8.0  
**Final Reading (div)** 762.8  
 Consolidometer No. G1421  
 1 Division (in) 0.0001  
 Start Date 11/27/13  
 Start Time 8:48:18

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>918.0</b>
0.10	768.4
0.20	768.3
0.25	768.2
0.30	768.1
0.35	768.0
0.50	768.0
0.60	767.9
1.10	767.9
2.35	767.8
4.10	767.6
9.10	767.6
16.12	767.4
25.12	767.4
36.12	766.7
49.12	765.7
64.12	765.6
81.12	765.5
100.12	765.4
121.12	765.1
144.12	765.0
180.12	764.7
300.12	764.5
520.12	764.3
700.12	763.4
900.32	762.8



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

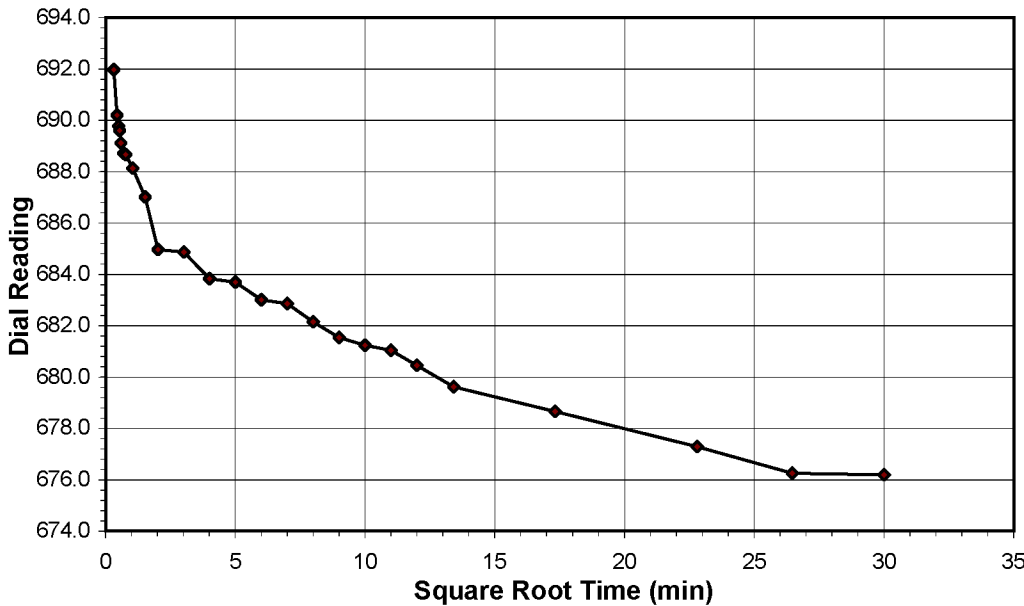
# ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-009

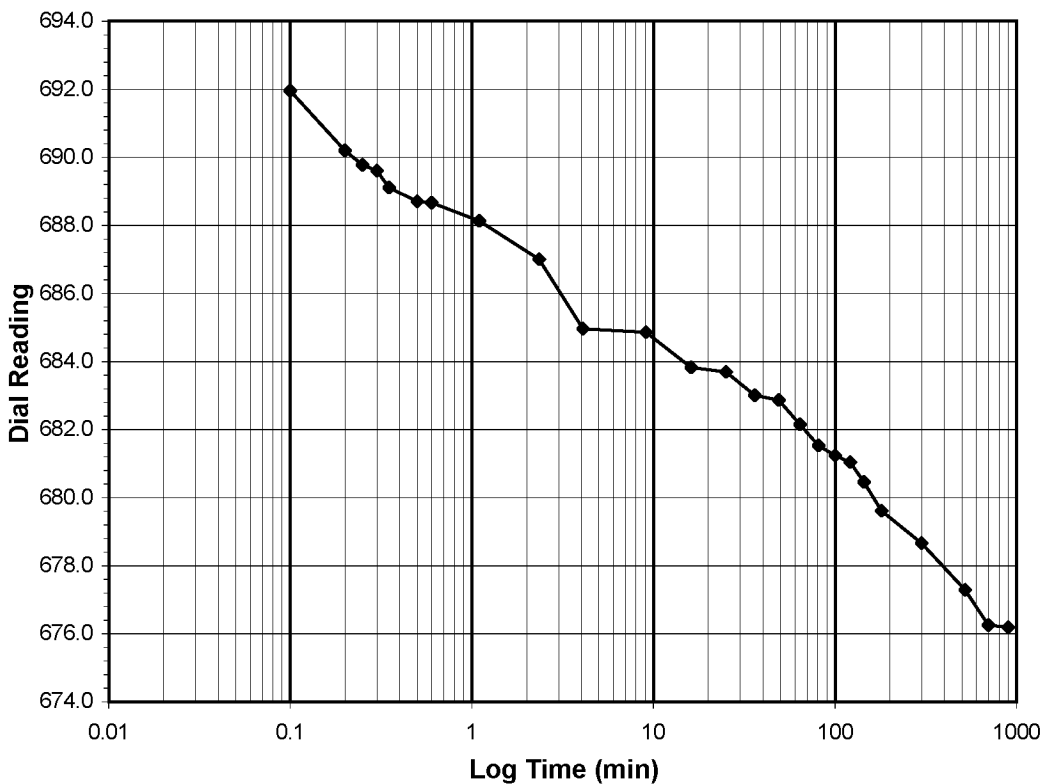
Boring No. R-7-1  
 Depth (ft) 277.9-278.1  
 Sample No. ST-11  
 Visual Description Gray Silty Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



<b>Test Load (tsf)</b>	<b>8.0-2.0</b>
<b>Final Reading (div)</b>	<b>676.2</b>
Consolidometer No.	<b>G1421</b>
1 Division (in)	0.0001
Start Date	11/27/13
Start Time	23:48:37

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>762.8</b>
0.10	692.0
0.20	690.2
0.25	689.8
0.30	689.6
0.35	689.1
0.50	688.7
0.60	688.7
1.10	688.1
2.35	687.0
4.10	685.0
9.10	684.9
16.10	683.8
25.10	683.7
36.10	683.0
49.10	682.9
64.10	682.2
81.10	681.5
100.12	681.2
121.12	681.0
144.12	680.5
180.12	679.6
300.12	678.7
520.12	677.3
700.12	676.3
900.47	676.2



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





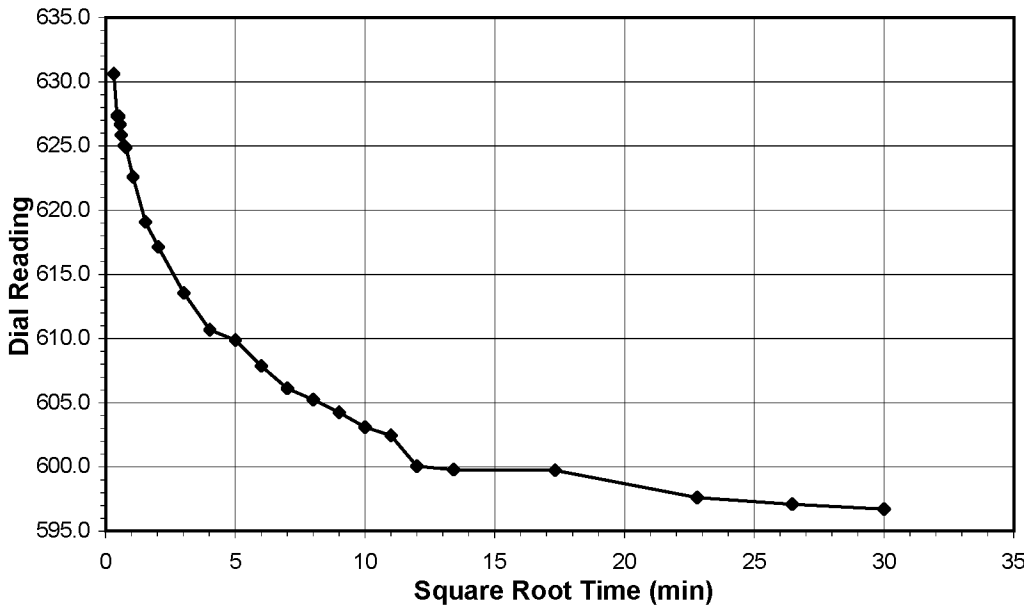
# ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-009

Boring No. R-7-1  
 Depth (ft) 277.9-278.1  
 Sample No. ST-11  
 Visual Description Gray Silty Sand

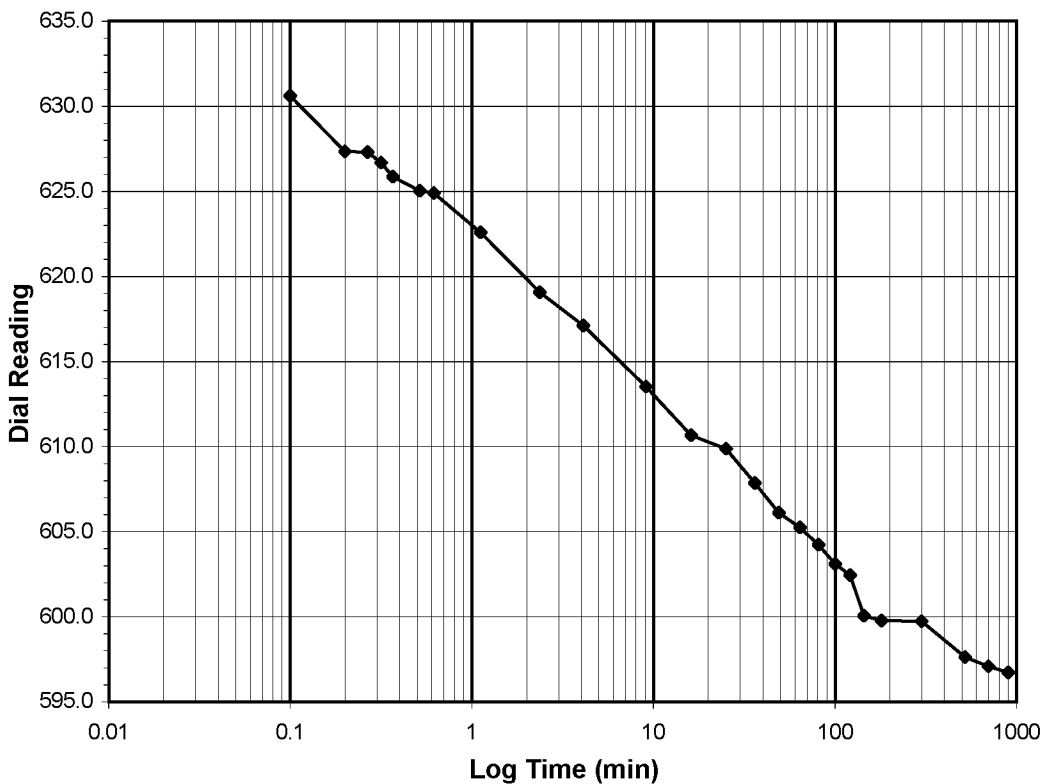
**Sample Conditions:** Undisturbed, Inundated And Double Drained



**Test Load (tsf)** 2.0-0.5  
**Final Reading (div)** 596.7  
 Consolidometer No. **G1421**  
 1 Division (in) 0.0001

Start Date 11/28/13  
 Start Time 14:49:05

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>676.2</b>
0.10	630.6
0.20	627.3
0.27	627.3
0.32	626.7
0.37	625.9
0.52	625.0
0.62	624.9
1.12	622.6
2.37	619.1
4.12	617.1
9.12	613.5
16.12	610.7
25.12	609.9
36.12	607.9
49.12	606.1
64.12	605.3
81.12	604.2
100.12	603.1
121.12	602.4
144.13	600.1
180.13	599.8
300.13	599.7
520.13	597.6
700.13	597.1
900.27	596.7



Tested By DB Date 11/28/13 Checked By TM Date 12/6/13

**ONE DIMENSIONAL CONSOLIDATION**

ASTM D2435 / D2435M-11

Client	Paul C. Rizzo & Associates	Boring No.	R-7-1
Client Reference	Turkey Point Units 6 & 7 Site	Depth (ft)	277.9-278.1
Project No.	2013-465-001	Sample No.	ST-11
Lab ID	2013-465-001-009	Visual Description	Gray Silty Sand

**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>							
<i>Water Content</i>			<b>Applied Pressure</b>	<b>Final Dial Reading</b>	<b>Machine Deflection</b>	<b>Corrected Reading</b>	<b>Height of Sample</b>	<b>Volume</b>	<b>Dry Density</b>	<b>Void Ratio</b>
Tare Number	2659	2707	(tsf)	(div)	(div)	(div)	(mm)	(cm <sup>3</sup> )	(g/cm <sup>3</sup> )	
Wt. Tare & WS (g)	118.05	155.19	Seating	0	0	0	25.400	80.440	1.43557	<b>0.83203</b>
Wt. Tare & DS (g)	92.50	121.90	0.25	56.5	17.7	38.8	25.301	80.128	1.44116	<b>0.82492</b>
Wt. Water (g)	25.55	33.29	0.5	85.9	26.9	59.0	25.250	79.965	1.44409	<b>0.82122</b>
Wt. Tare (g)	6.59	6.65	1	130.1	36.4	93.6	25.162	79.687	1.44913	<b>0.81488</b>
Wt. DS (g)	85.91	115.25	2	189.5	63.4	126.1	25.080	79.425	1.45390	<b>0.80893</b>
Water Content (%)	29.74	28.89	4	278.2	93.2	185.1	24.930	78.951	1.46264	<b>0.79812</b>
<b><u>Sample Parameters</u></b>			1	225.2	48.6	176.7	24.951	79.019	1.46139	<b>0.79966</b>
Sample Diameter (in)	2.5	2.5	0.25	182.0	26.1	155.9	25.004	79.186	1.45830	<b>0.80347</b>
Sample Height (in)	1.0000	0.9440	0.5	194.7	31.3	163.4	24.985	79.125	1.45941	<b>0.80209</b>
Sample Volume (cm <sup>3</sup> )	80.44	75.94	1	212.9	41.0	171.9	24.963	79.057	1.46067	<b>0.80054</b>
Wt. Wet Sample + Ring (g)	364.91	363.92	2	236.6	64.7	171.9	24.963	79.057	1.46068	<b>0.80053</b>
Wt. of Ring (g)	215.09	215.09	4	286.3	93.4	192.9	24.910	78.888	1.46380	<b>0.79669</b>
Wt. of Wet Sample (g)	149.82	148.83	8	400.6	126.0	274.6	24.702	78.231	1.47610	<b>0.78172</b>
Wet Density (pcf)	116.22	122.30	16	578.9	170.6	408.3	24.363	77.156	1.49667	<b>0.75723</b>
Wet Density (g/cm <sup>3</sup> )	1.86	1.96	32	918.0	241.5	676.5	23.682	74.998	1.53974	<b>0.70808</b>
Water Content (%)	29.74	28.89	8	762.8	140.4	622.5	23.819	75.433	1.53086	<b>0.71799</b>
Wt. of Dry Sample (g)	115.48	115.48	2	676.2	80.8	595.4	23.888	75.651	1.52645	<b>0.72295</b>
Dry Density (pcf)	89.58	94.89	0.5	596.7	36.9	559.9	23.978	75.936	1.52070	<b>0.72946</b>
Dry Density (g/cm <sup>3</sup> )	1.44	1.52								
Void Ratio	0.8320	0.7295								
Saturation (%)	94.01	104.14								
Specific Gravity	2.63	Measured								
			<b>Tested By</b>	<b>DB</b>	<b>Date</b>	<b>11/18/13</b>	<b>Input Checked By</b>	<b>TM</b>	<b>Date</b>	<b>12/6/13</b>

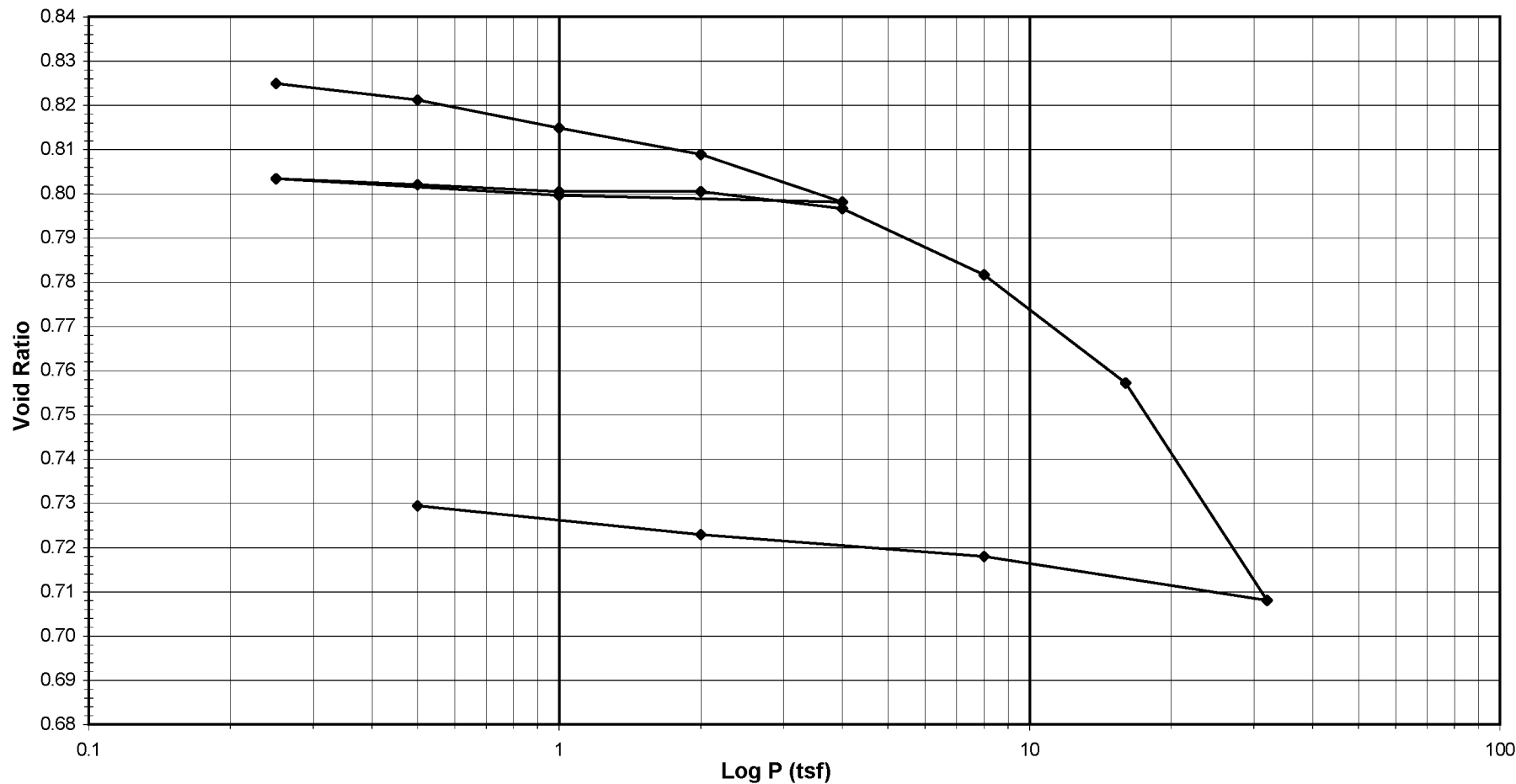
# ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Reference Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-009

Boring No. R-7-1  
 Depth (ft) 277.9-278.1  
 Sample No. ST-11  
 Visual Description Gray Silty Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



Tested By DB Date 11/18/13 Approved By RJO Date 12/6/13

**ONE DIMENSIONAL CONSOLIDATION**

ASTM D2435 / D2435M-11

Client	Paul C. Rizzo & Associates	Boring No.	R-7-1
Client Reference	Turkey Point Units 6 & 7 Site	Depth (ft)	277.9-278.1
Project No.	2013-465-001	Sample No.	ST-11
Lab ID	2013-465-001-009	Visual Description	Gray Silty Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained**Consolidometer No.** G1421**1 Division** = 0.0001 (in)**C<sub>v</sub> 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<sub>v</sub></u>
			<u>Increment</u>	<u>Reading</u>	<u>Deflection</u>	<u>Dial Reading</u>	<u>Height</u>	<u>t<sub>50</sub></u>	
			(tsf)	@ t <sub>50</sub> (div)	(div)	@ t <sub>50</sub> (div)	@ t <sub>50</sub> (mm)	(min)	(cm <sup>2</sup> /sec)
<i>Water Content</i>									
Tare Number	2659	2707							
Wt. Tare & WS (g)	118.05	155.19							
Wt. Tare & DS (g)	92.5	121.9							
Wt. Water (g)	25.55	33.29	Seating	NA	NA	NA	NA	NA	NA
Wt. Tare (g)	6.59	6.65	0.25	42.1	17.7	24.4	25.34	0.31	0.01732
Wt. DS (g)	85.91	115.25	0.5	72.0	26.9	45.1	25.29	0.83	0.00633
Water Content (%)	29.74	28.89	1	114.3	36.4	77.9	25.20	0.33	0.01587
			2	168.1	63.4	104.8	25.13	0.16	0.03233
			4	249.4	93.2	156.2	25.00	0.28	0.01811
<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	0.9440	0.5	190.7	31.3	159.4	25.00	0.11	0.04765
Sample Volume (cm <sup>3</sup> )	80.44	75.94	1	208.1	41.0	167.1	24.98	0.23	0.02231
Wt. Wet Sample + Ring (g)	364.91	363.92	2	233.6	64.7	168.9	24.97	0.25	0.02077
Wt. of Ring (g)	215.09	215.09	4	272.5	93.4	179.1	24.95	0.24	0.02129
Wt. of Wet Sample (g)	149.82	148.83	8	358.1	126.0	232.1	24.81	0.17	0.03030
Wet Density (pcf)	116.22	122.30	16	516.4	170.6	345.8	24.52	0.23	0.02133
Wet Density (g/cm <sup>3</sup> )	1.86	1.96	32	788.7	241.5	547.2	24.01	0.11	0.04447
Water Content (%)	29.74	28.89	8	NA	NA	NA	NA	NA	NA
Wt. of Dry Sample (g)	115.48	115.48	2	NA	NA	NA	NA	NA	NA
Dry Density (pcf)	89.58	94.89	0.5	NA	NA	NA	NA	NA	NA
Dry Density (g/cm <sup>3</sup> )	1.44	1.52							
Void Ratio	0.8320	0.7295							
Saturation (%)	94.01	104.14							
Specific Gravity	2.63	Measured							

<i>Tested By</i>	<i>DB</i>	<i>Date</i>	11/18/13	<i>Input Checked By</i>	<i>TM</i>	<i>Date</i>	12/6/13
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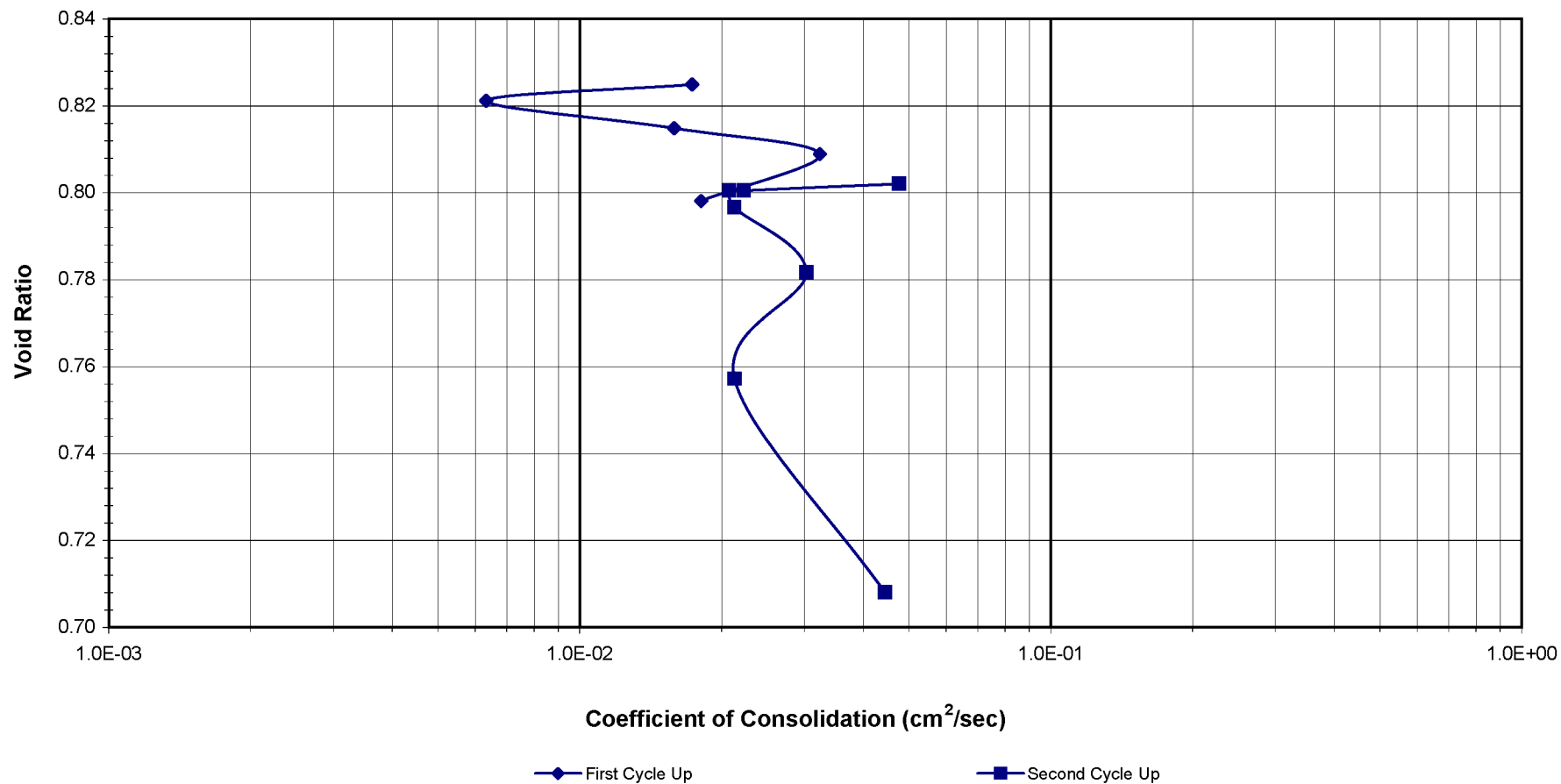
# ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Reference Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-009

Boring No. R-7-1  
 Depth (ft) 277.9-278.1  
 Sample No. ST-11  
 Visual Description Gray Silty Sand

Sample Conditions: Undisturbed, Inundated And Double Drained



Tested By DB Date 11/18/13

Approved By RJO Date 12/6/13

## One Dimensional Consolidation

ASTM D2435 / D2435M-11

### EQUIPMENT LIST

Client	Paul C. Rizzo & Associates	Boring No.	R-7-1
Client Reference	Turkey Point Units 6 & 7 Site	Depth (ft)	277.9-278.1
Project No.	2013-465-001	Sample No.	ST-11
Lab ID #	2013-465-001-009		

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

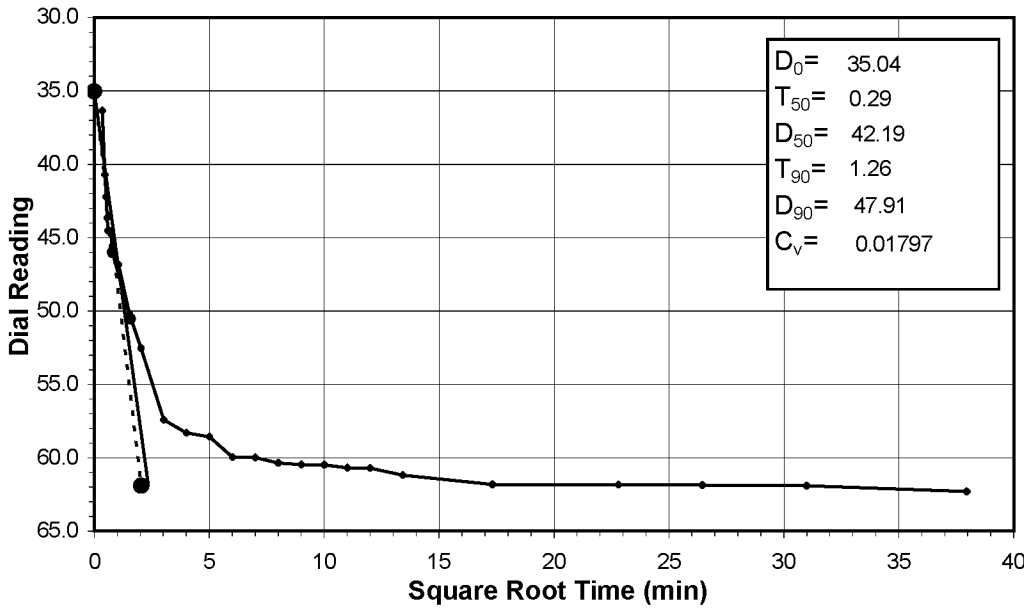
## ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-010

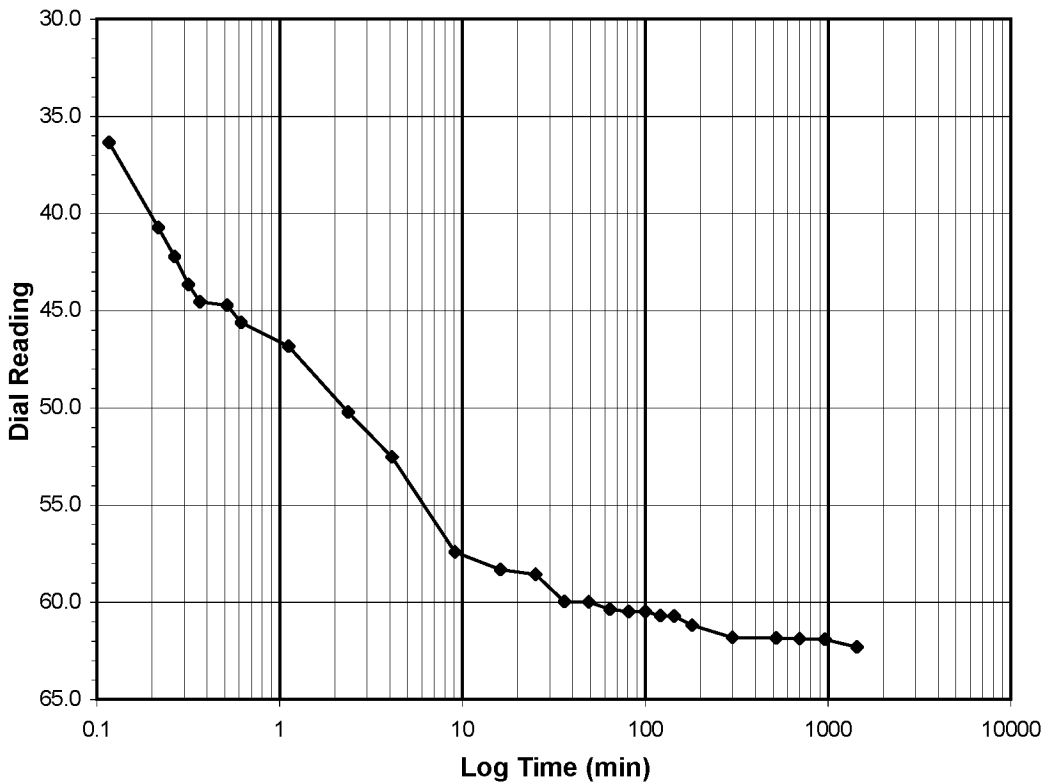
Boring No. R-7-1  
 Depth (ft) 289.6-290.0  
 Sample No. ST-12  
 Visual Description Gray Silty Fine Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



<b>Test Load (tsf)</b>	<b>0.0-0.25</b>
<b>Final Reading (div)</b>	<b>62.3</b>
<b>Consolidometer No.</b>	<b>G1424</b>
<b>1 Division (in)</b>	<b>0.0001</b>
<b>Start Date</b>	<b>10/25/13</b>
<b>Start Time</b>	<b>16:27:04</b>

Elapsed Time (min)	Dial Reading (div)
<i>Initial</i>	<b>0.0</b>
0.12	36.3
0.22	40.7
0.27	42.2
0.32	43.6
0.37	44.5
0.52	44.7
0.62	45.6
1.12	46.8
2.37	50.2
4.12	52.5
9.12	57.4
16.12	58.3
25.12	58.6
36.12	60.0
49.13	60.0
64.13	60.4
81.13	60.5
100.13	60.5
121.13	60.7
144.13	60.7
180.13	61.2
300.13	61.8
520.13	61.8
700.13	61.9
960.13	61.9
1440.22	62.3



Tested By **DB** Date **10/25/13** Checked By **TM** Date **12/5/13**

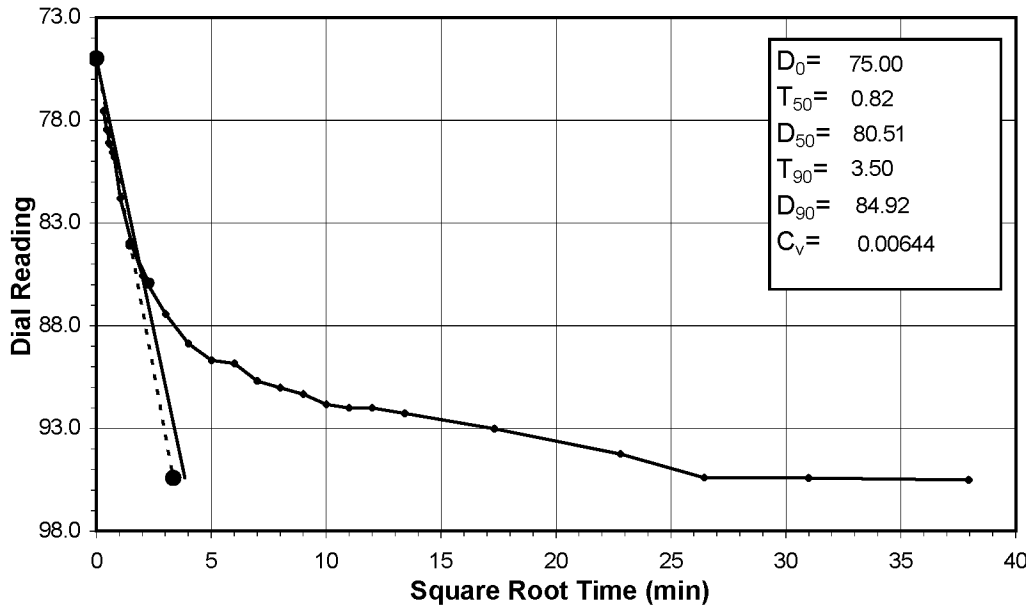
# ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-010

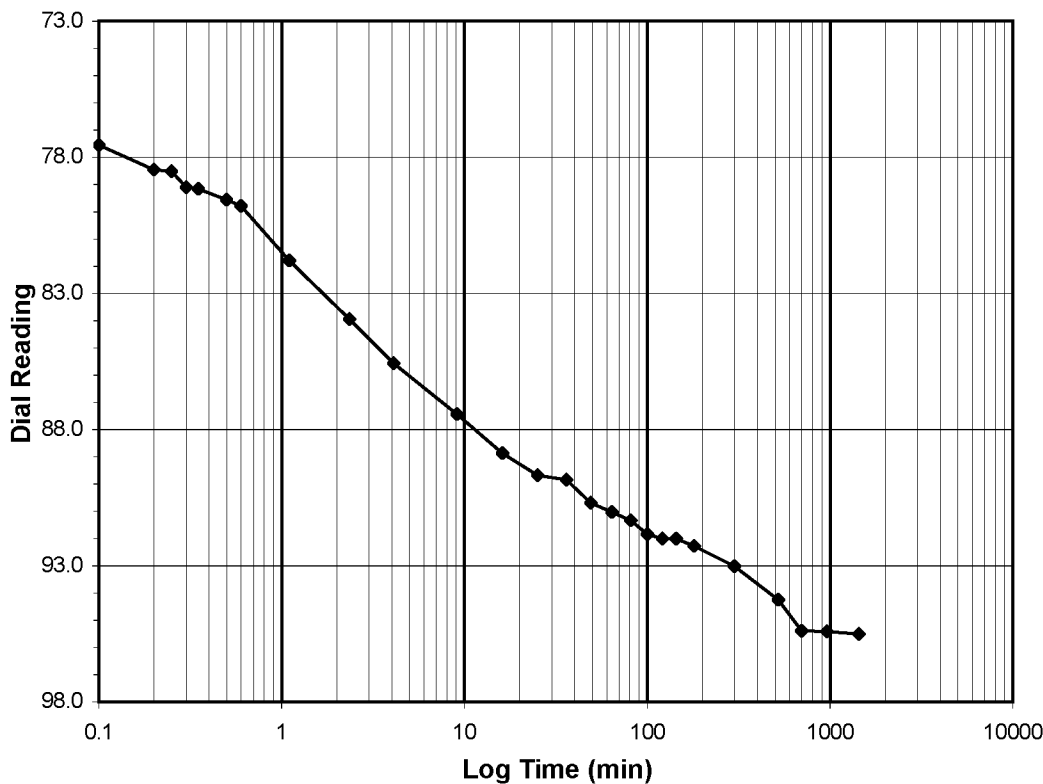
Boring No. R-7-1  
 Depth (ft) 289.6-290.0  
 Sample No. ST-12  
 Visual Description Gray Silty Fine Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



**Test Load (tsf)** 0.25-0.5  
**Final Reading (div)** 95.5  
 Consolidometer No. **G1424**  
 1 Division (in) 0.0001  
 Start Date 10/26/13  
 Start Time 16:27:16

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>62.3</b>
0.10	77.5
0.20	78.4
0.25	78.5
0.30	79.1
0.35	79.2
0.50	79.6
0.60	79.8
1.10	81.8
2.35	83.9
4.10	85.6
9.12	87.4
16.12	88.9
25.12	89.7
36.12	89.8
49.12	90.7
64.12	91.0
81.12	91.3
100.12	91.8
121.12	92.0
144.12	92.0
180.12	92.3
300.12	93.0
520.12	94.2
700.12	95.4
960.12	95.4
1440.37	95.5



Tested By DB Date 10/26/13 Checked By TM Date 12/5/13



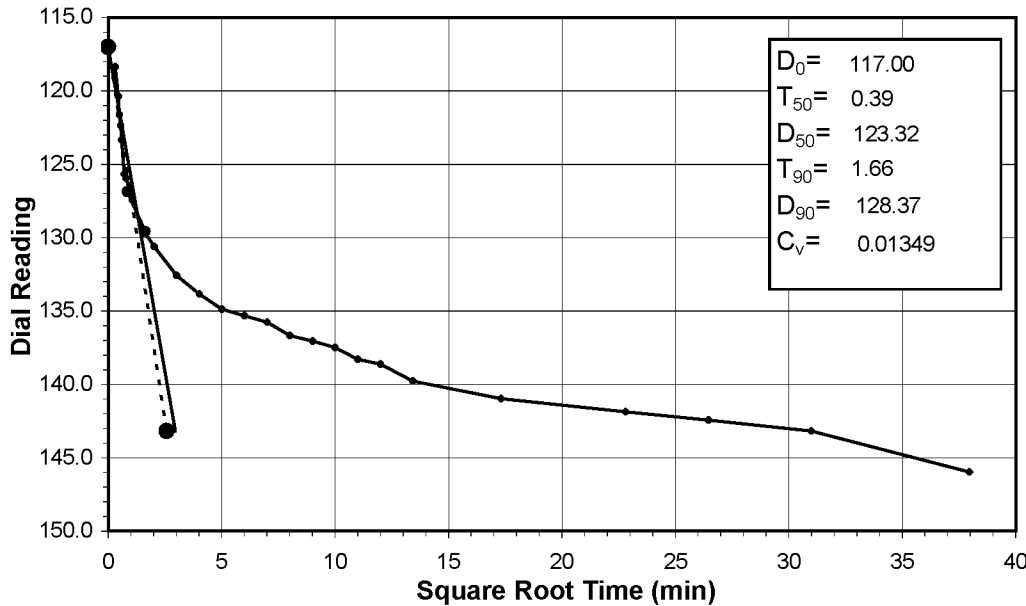
# ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-010

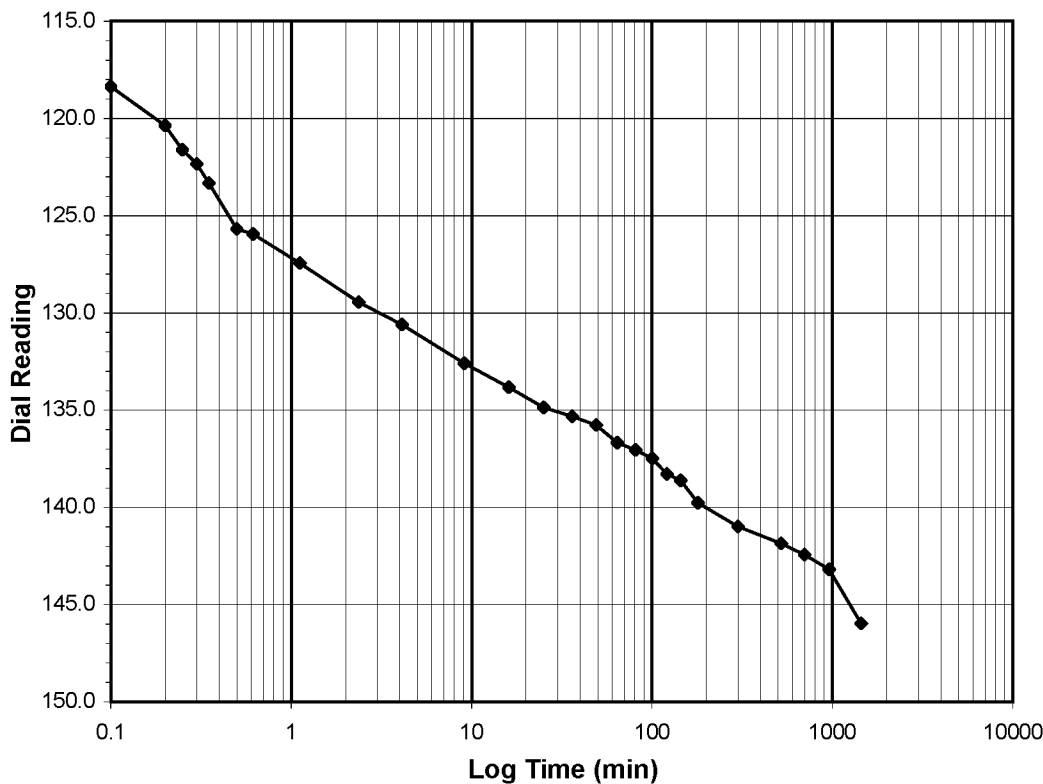
Boring No. R-7-1  
 Depth (ft) 289.6-290.0  
 Sample No. ST-12  
 Visual Description Gray Silty Fine Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



**Test Load (tsf)** 0.5-1.0  
**Final Reading (div)** 146.0  
 Consolidometer No. G1424  
 1 Division (in) 0.0001  
 Start Date 10/27/13  
 Start Time 16:27:38

Elapsed Time (min)	Dial Reading (div)
<i>Initial</i>	<b>95.5</b>
0.10	118.4
0.20	120.4
0.25	121.6
0.30	122.3
0.35	123.3
0.50	125.7
0.62	125.9
1.12	127.4
2.37	129.4
4.12	130.6
9.12	132.6
16.12	133.8
25.12	134.9
36.12	135.3
49.12	135.8
64.12	136.7
81.12	137.1
100.12	137.5
121.12	138.3
144.12	138.6
180.12	139.8
300.12	141.0
520.12	141.9
700.12	142.4
960.12	143.2
1440.15	146.0



Tested By DB Date 10/27/13 Checked By TM Date 12/5/13

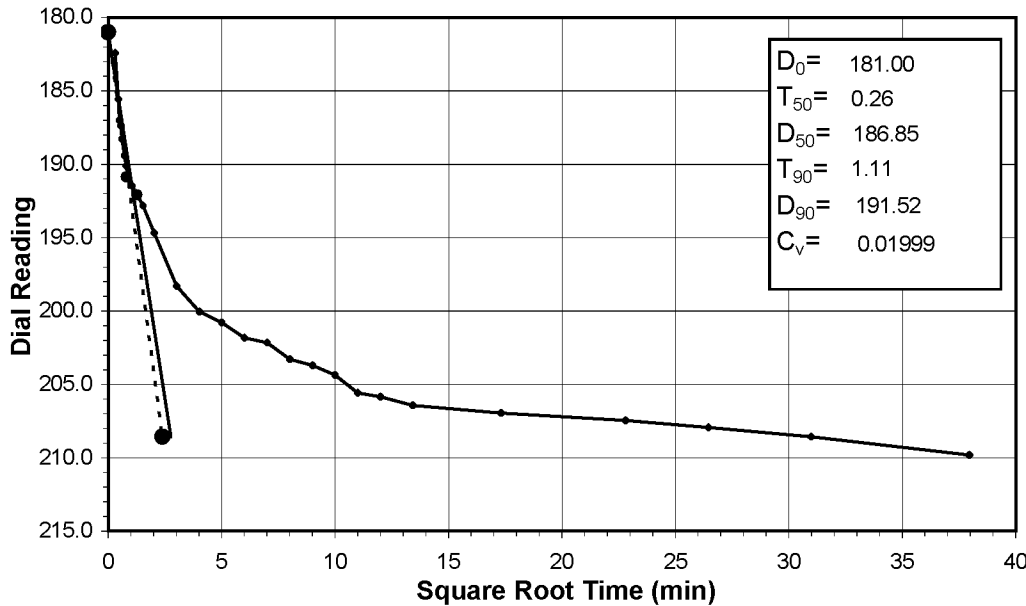
# ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-010

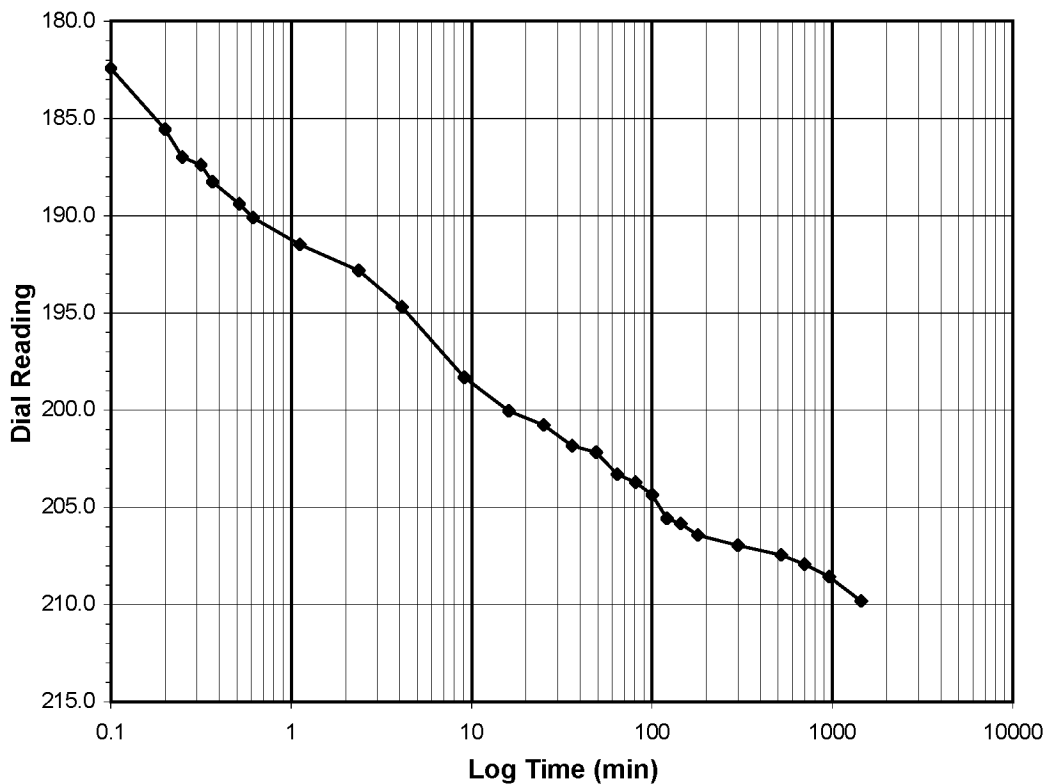
Boring No. R-7-1  
 Depth (ft) 289.6-290.0  
 Sample No. ST-12  
 Visual Description Gray Silty Fine Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



**Test Load (tsf)** 1.0-2.0  
**Final Reading (div)** 209.8  
 Consolidometer No. **G1424**  
 1 Division (in) 0.0001  
 Start Date 10/28/13  
 Start Time 16:27:47

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>146.0</b>
0.10	182.4
0.20	185.6
0.25	187.0
0.32	187.4
0.37	188.3
0.52	189.4
0.62	190.1
1.12	191.5
2.37	192.8
4.12	194.7
9.12	198.3
16.12	200.0
25.12	200.8
36.12	201.8
49.12	202.2
64.12	203.3
81.12	203.7
100.12	204.4
121.12	205.6
144.12	205.8
180.12	206.4
300.12	207.0
520.12	207.5
700.12	207.9
960.12	208.6
1440.28	209.8



Tested By **DB** Date **10/28/13** Checked By **TM** Date **12/5/13**

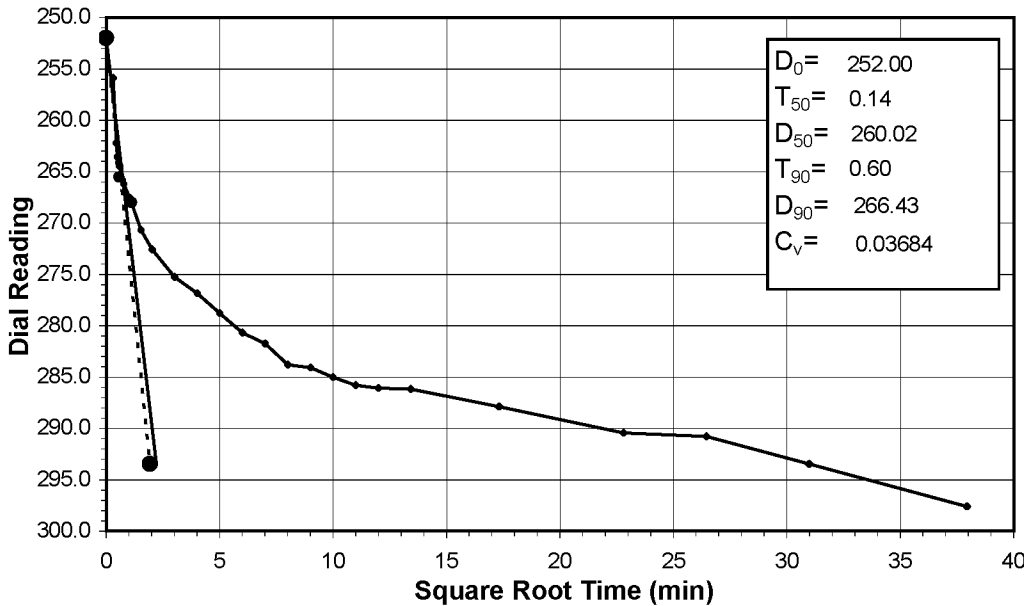
# ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-010

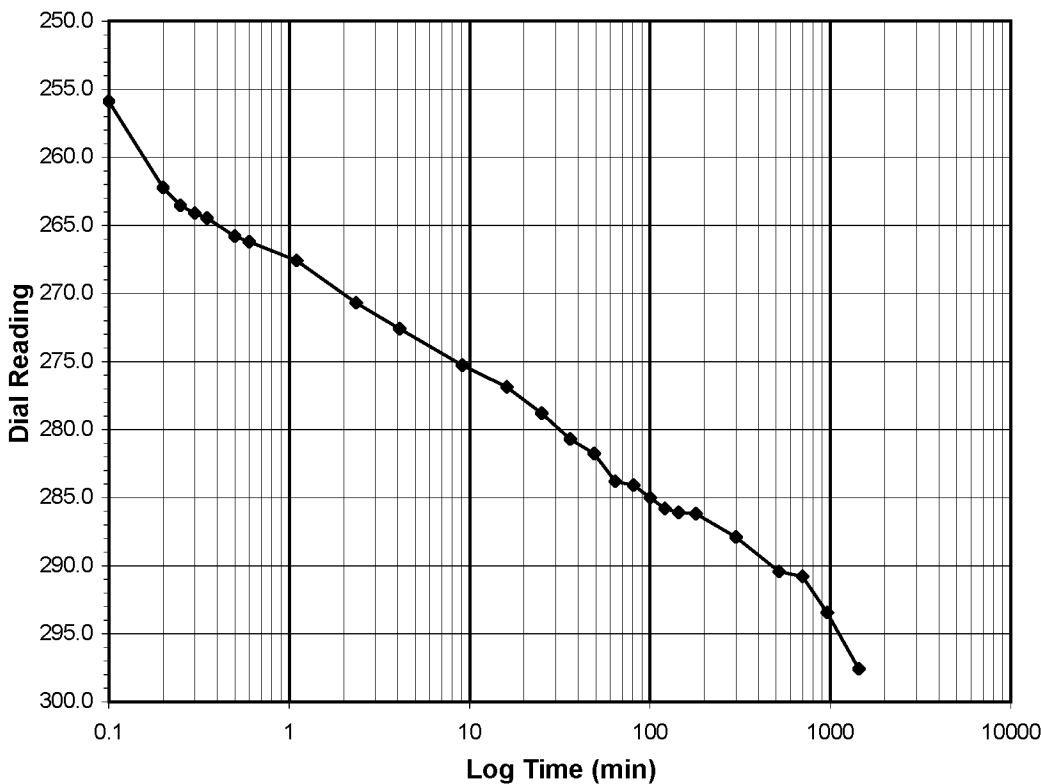
Boring No. R-7-1  
 Depth (ft) 289.6-290.0  
 Sample No. ST-12  
 Visual Description Gray Silty Fine Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



**Test Load (tsf)** 2.0-4.0  
**Final Reading (div)** 297.6  
 Consolidometer No. **G1424**  
 1 Division (in) 0.0001  
 Start Date 10/29/13  
 Start Time 16:28:04

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>209.8</b>
0.10	255.9
0.20	262.2
0.25	263.5
0.30	264.1
0.35	264.5
0.50	265.8
0.60	266.2
1.10	267.6
2.35	270.7
4.10	272.6
9.12	275.3
16.12	276.9
25.12	278.8
36.12	280.7
49.12	281.8
64.12	283.8
81.12	284.1
100.12	285.0
121.12	285.8
144.12	286.1
180.12	286.2
300.12	287.9
520.12	290.4
700.13	290.8
960.13	293.4
1440.00	297.6



Tested By DB Date 10/29/13 Checked By TM Date 12/5/13



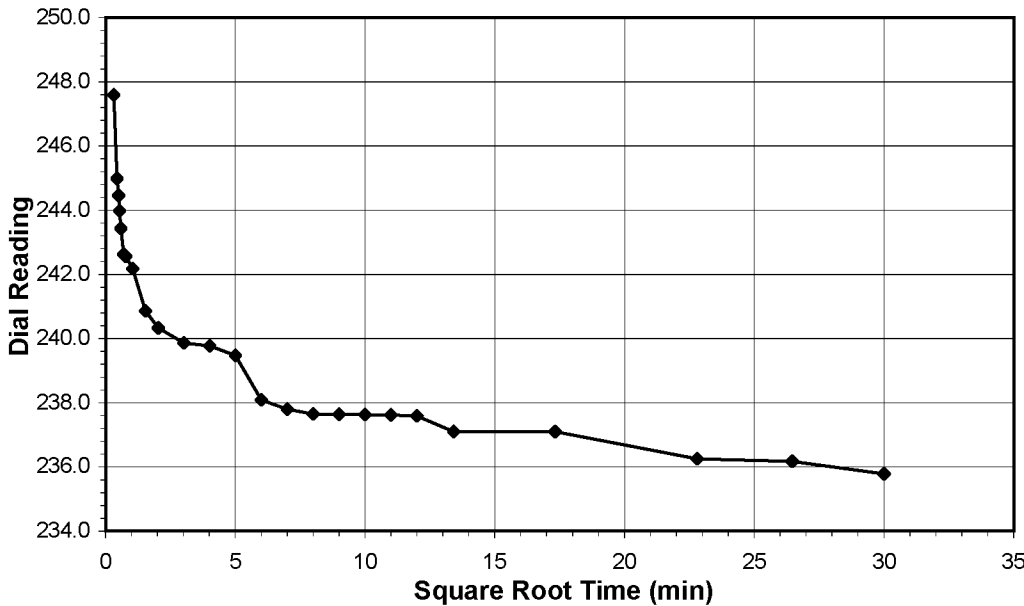
# ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-010

Boring No. R-7-1  
 Depth (ft) 289.6-290.0  
 Sample No. ST-12  
 Visual Description Gray Silty Fine Sand

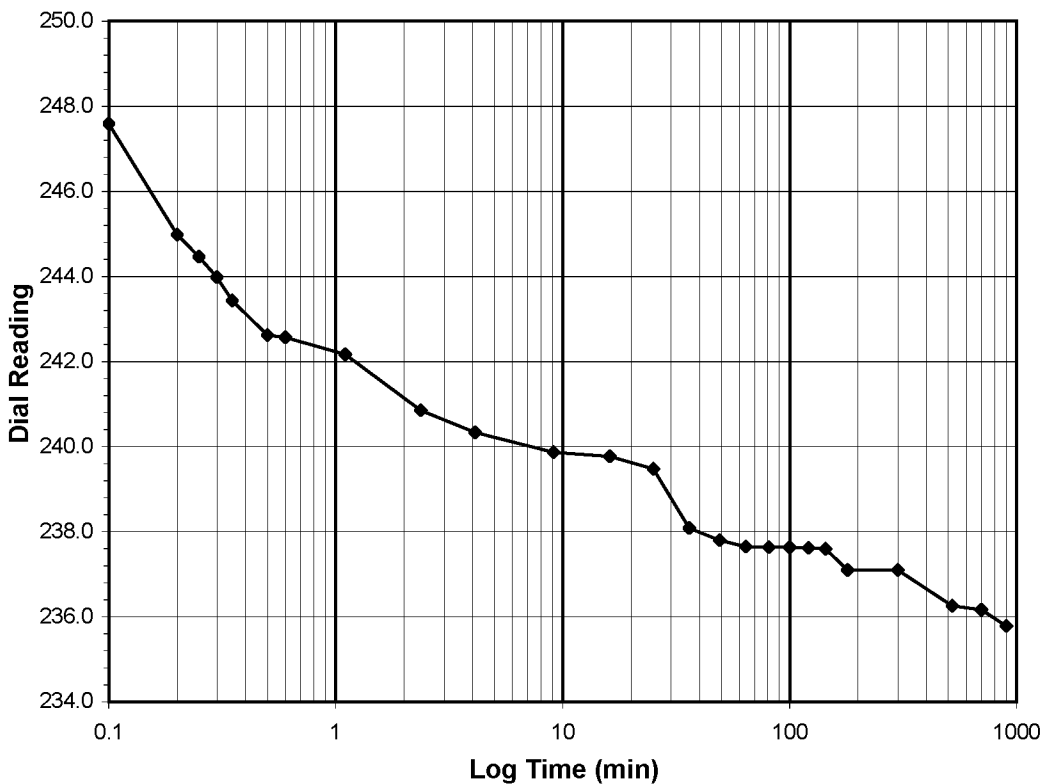
**Sample Conditions:** Undisturbed, Inundated And Double Drained



**Test Load (tsf)** 4.0-1.0  
**Final Reading (div)** 235.8  
 Consolidometer No. G1424  
 1 Division (in) 0.0001

Start Date 10/30/13  
 Start Time 16:28:05

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>297.6</b>
0.10	247.6
0.20	245.0
0.25	244.5
0.30	244.0
0.35	243.4
0.50	242.6
0.60	242.6
1.10	242.2
2.37	240.9
4.12	240.3
9.12	239.9
16.12	239.8
25.12	239.5
36.12	238.1
49.12	237.8
64.12	237.6
81.12	237.6
100.12	237.6
121.12	237.6
144.12	237.6
180.12	237.1
300.12	237.1
520.12	236.3
700.12	236.2
900.30	235.8



Tested By DB Date 10/30/13 Checked By TM Date 12/5/13



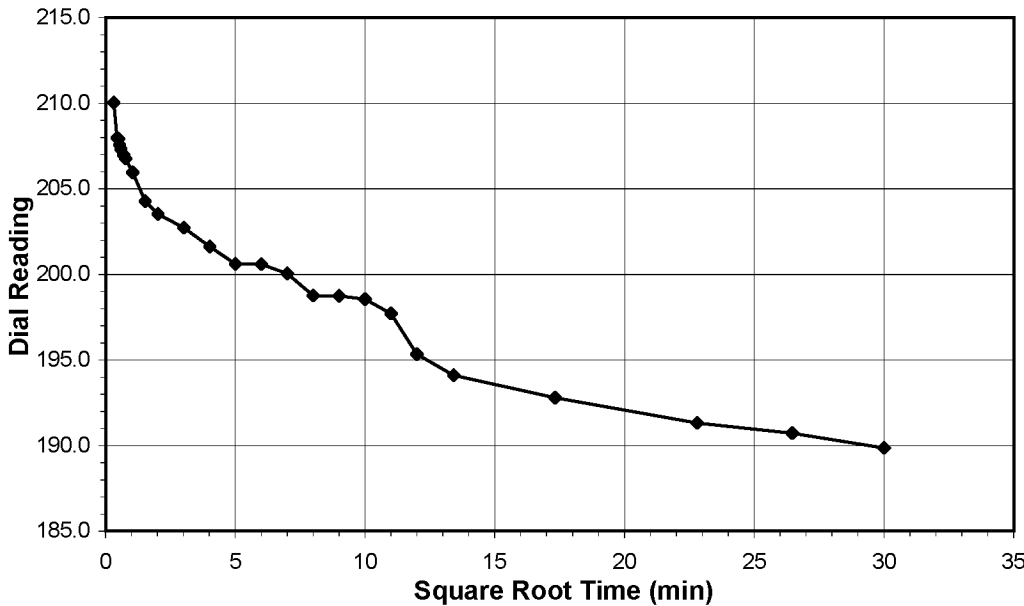
# ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-010

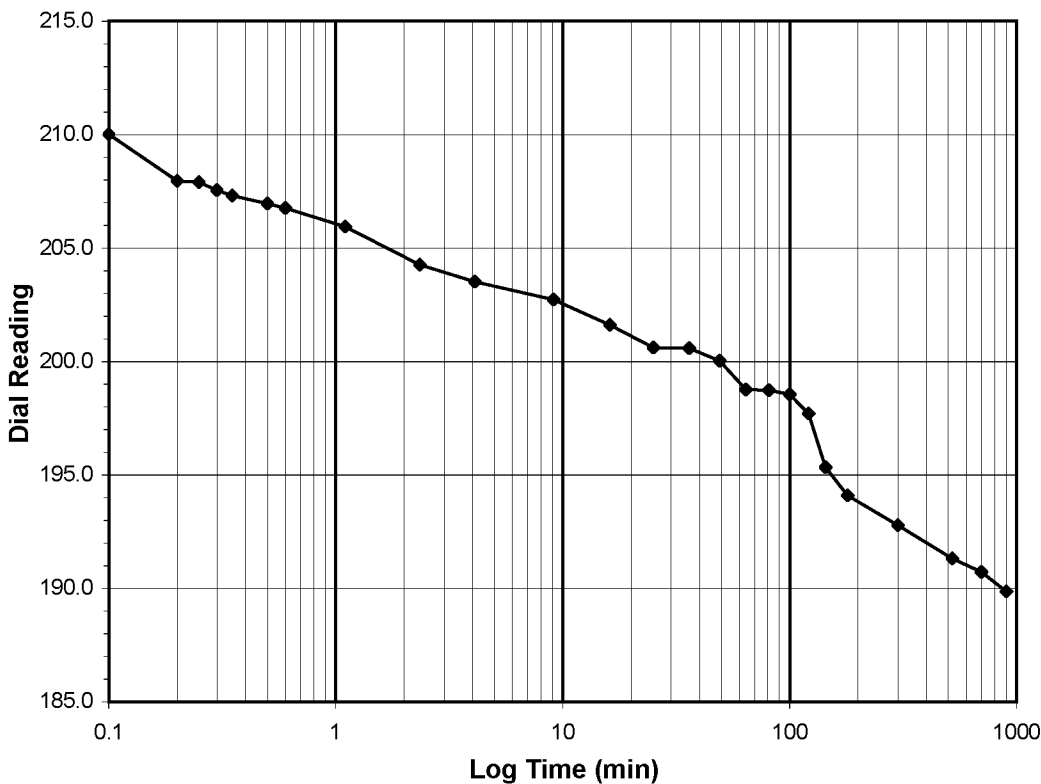
Boring No. R-7-1  
 Depth (ft) 289.6-290.0  
 Sample No. ST-12  
 Visual Description Gray Silty Fine Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



**Test Load (tsf)** 1.0-0.25  
**Final Reading (div)** 189.9  
 Consolidometer No. G1424  
 1 Division (in) 0.0001  
 Start Date 10/31/13  
 Start Time 7:28:23

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>235.8</b>
0.10	210.0
0.20	208.0
0.25	207.9
0.30	207.6
0.35	207.3
0.50	207.0
0.60	206.8
1.10	205.9
2.35	204.3
4.10	203.5
9.12	202.7
16.12	201.6
25.12	200.6
36.12	200.6
49.12	200.0
64.12	198.8
81.12	198.7
100.12	198.6
121.12	197.7
144.12	195.3
180.12	194.1
300.12	192.8
520.12	191.3
700.12	190.7
900.33	189.9



Tested By DB Date 10/31/13 Checked By TM Date 12/5/13

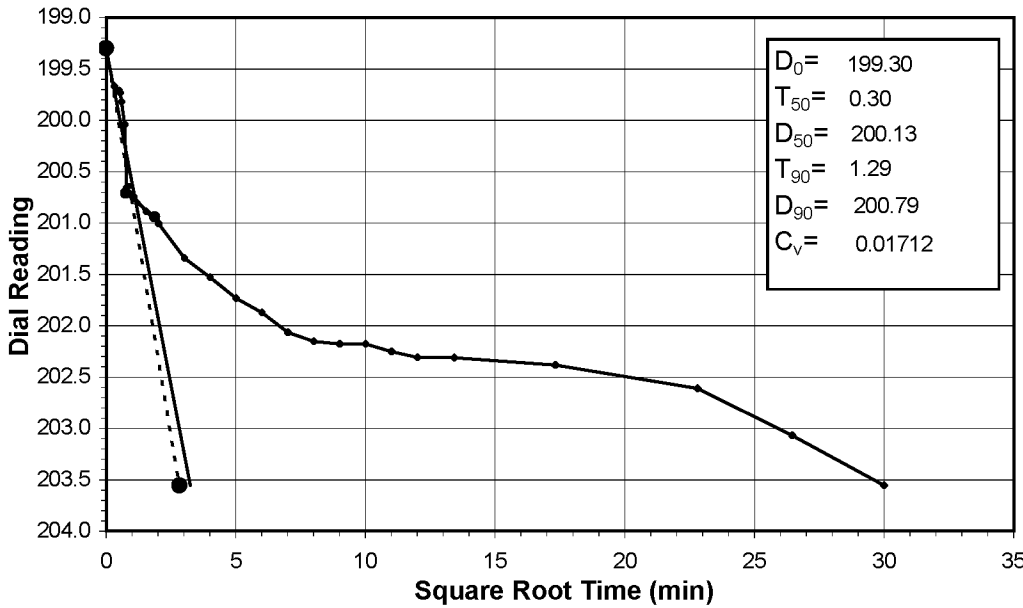
# ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client: Paul C. Rizzo & Associates  
 Client Project: Turkey Point Units 6 & 7 Site  
 Project No.: 2013-465-001  
 Lab ID: 2013-465-001-010

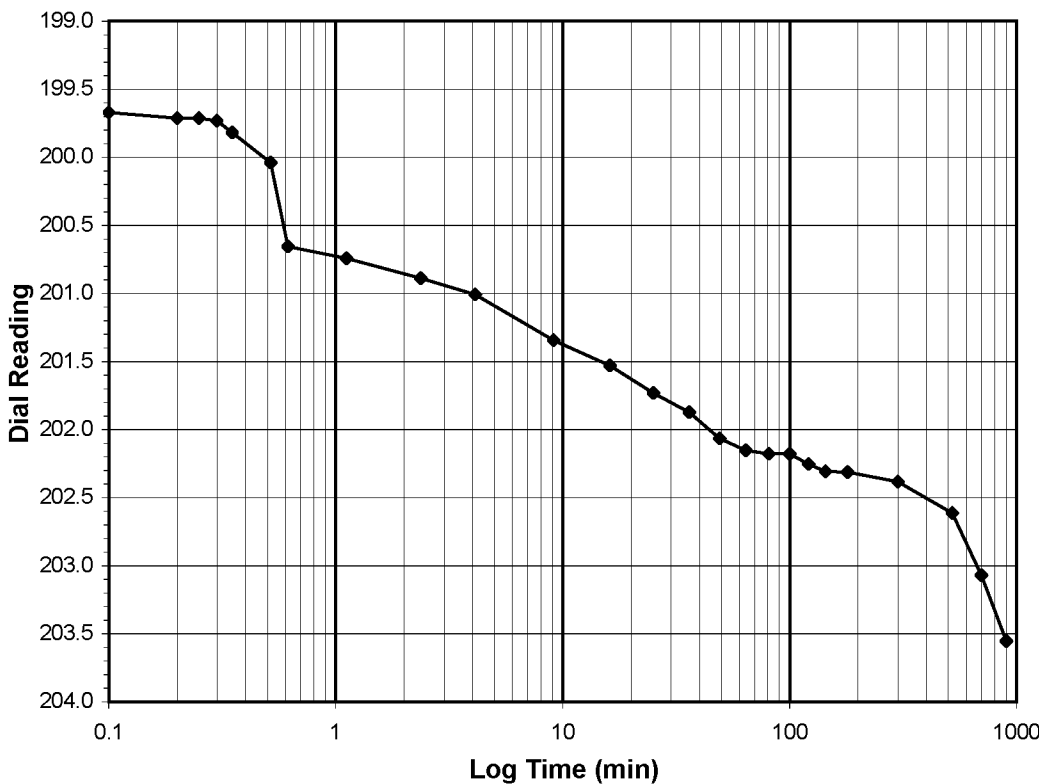
Boring No.: R-7-1  
 Depth (ft): 289.6-290.0  
 Sample No.: ST-12  
 Visual Description: Gray Silty Fine Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



**Test Load (tsf)** 0.25-0.5  
**Final Reading (div)** 203.6  
 Consolidometer No. **G1424**  
 1 Division (in) 0.0001  
 Start Date 10/31/13  
 Start Time 22:28:43

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>189.9</b>
0.10	199.7
0.20	199.7
0.25	199.7
0.30	199.7
0.35	199.8
0.52	200.0
0.62	200.7
1.12	200.7
2.37	200.9
4.12	201.0
9.12	201.3
16.12	201.5
25.12	201.7
36.12	201.9
49.12	202.1
64.12	202.2
81.12	202.2
100.12	202.2
121.12	202.3
144.12	202.3
180.13	202.3
300.13	202.4
520.13	202.6
700.13	203.1
900.42	203.6



Tested By **DB** Date **10/31/13** Checked By **TM** Date **12/5/13**

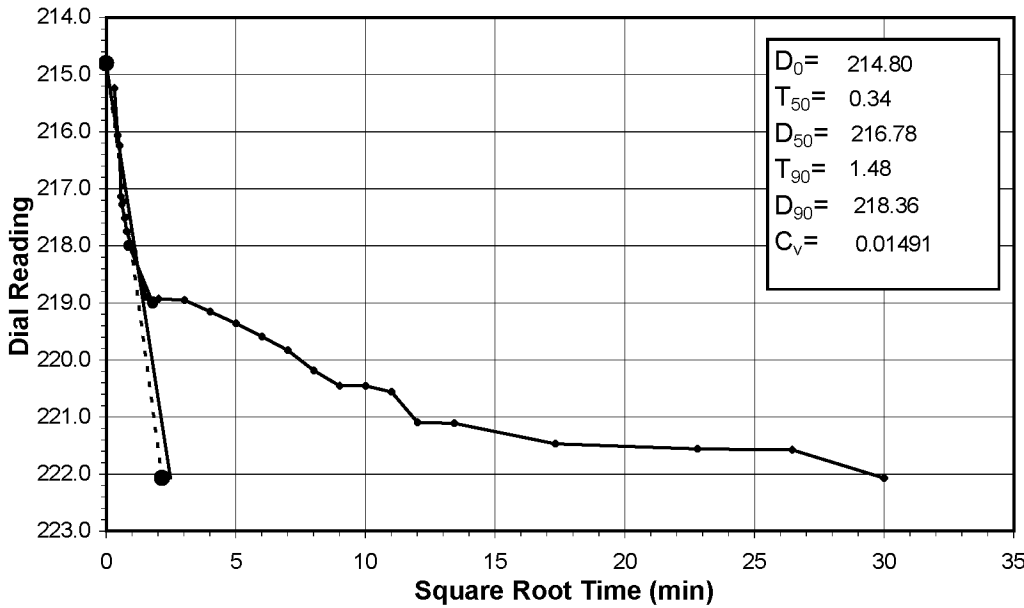
# ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-010

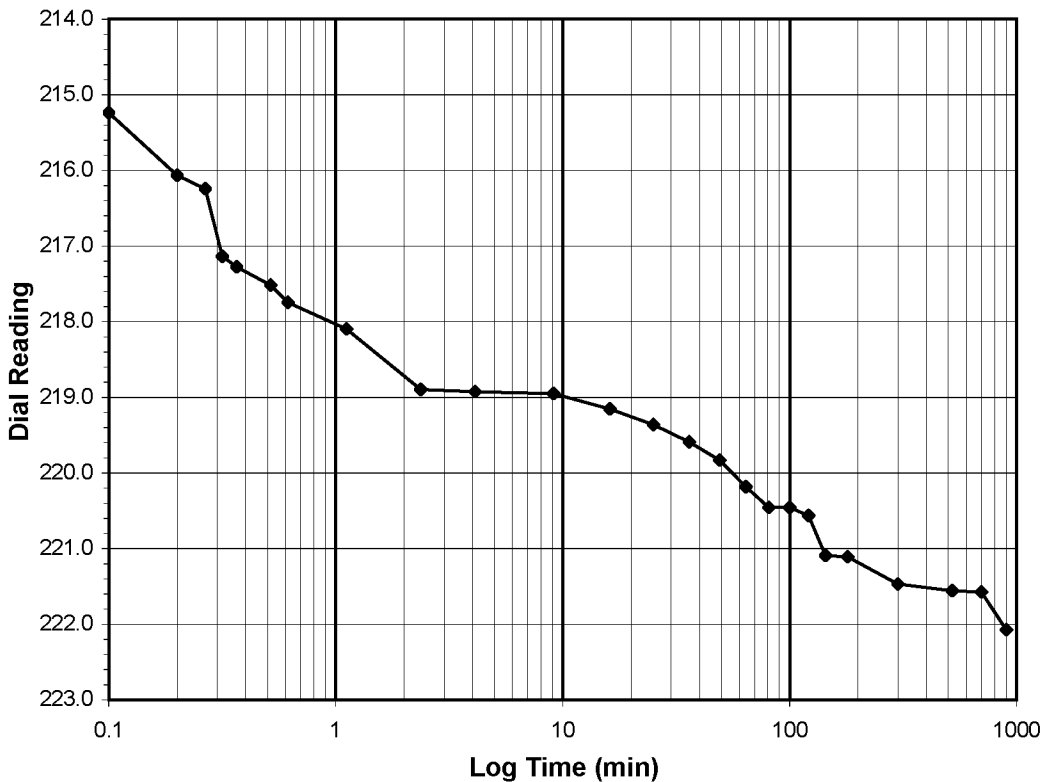
Boring No. R-7-1  
 Depth (ft) 289.6-290.0  
 Sample No. ST-12  
 Visual Description Gray Silty Fine Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



**Test Load (tsf)** 0.5-1.0  
**Final Reading (div)** 222.1  
 Consolidometer No. G1424  
 1 Division (in) 0.0001  
 Start Date 11/1/13  
 Start Time 13:29:08

Elapsed Time (min)	Dial Reading (div)
<i>Initial</i>	<b>203.6</b>
0.10	215.2
0.20	216.1
0.27	216.2
0.32	217.1
0.37	217.3
0.52	217.5
0.62	217.7
1.12	218.1
2.37	218.9
4.12	218.9
9.12	219.0
16.12	219.2
25.12	219.4
36.12	219.6
49.12	219.8
64.12	220.2
81.12	220.5
100.13	220.5
121.13	220.6
144.13	221.1
180.13	221.1
300.13	221.5
520.13	221.6
700.13	221.6
900.02	222.1



Tested By DB Date 11/1/13 Checked By TM Date 12/5/13



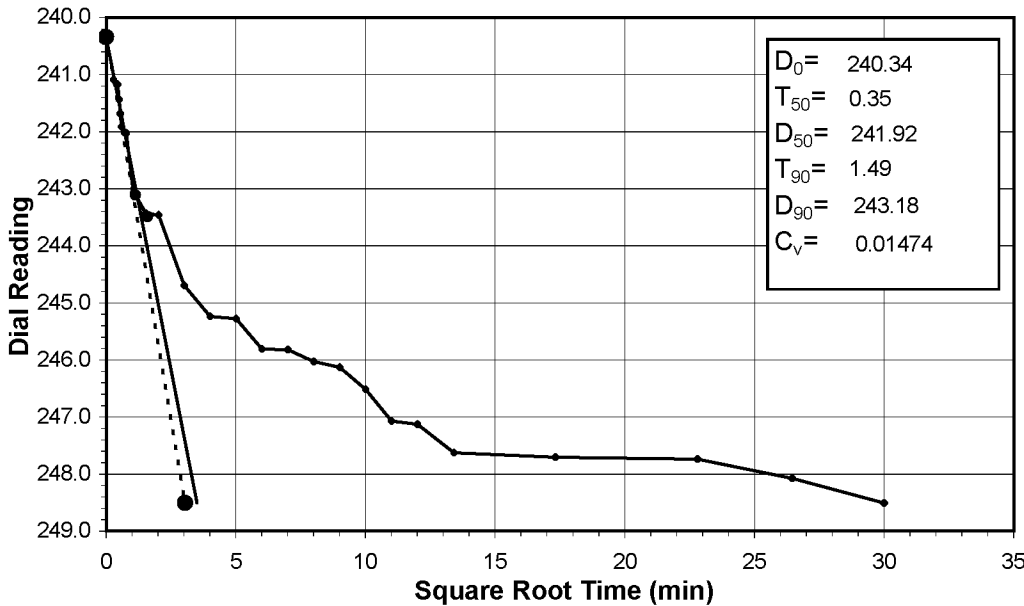
# ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-010

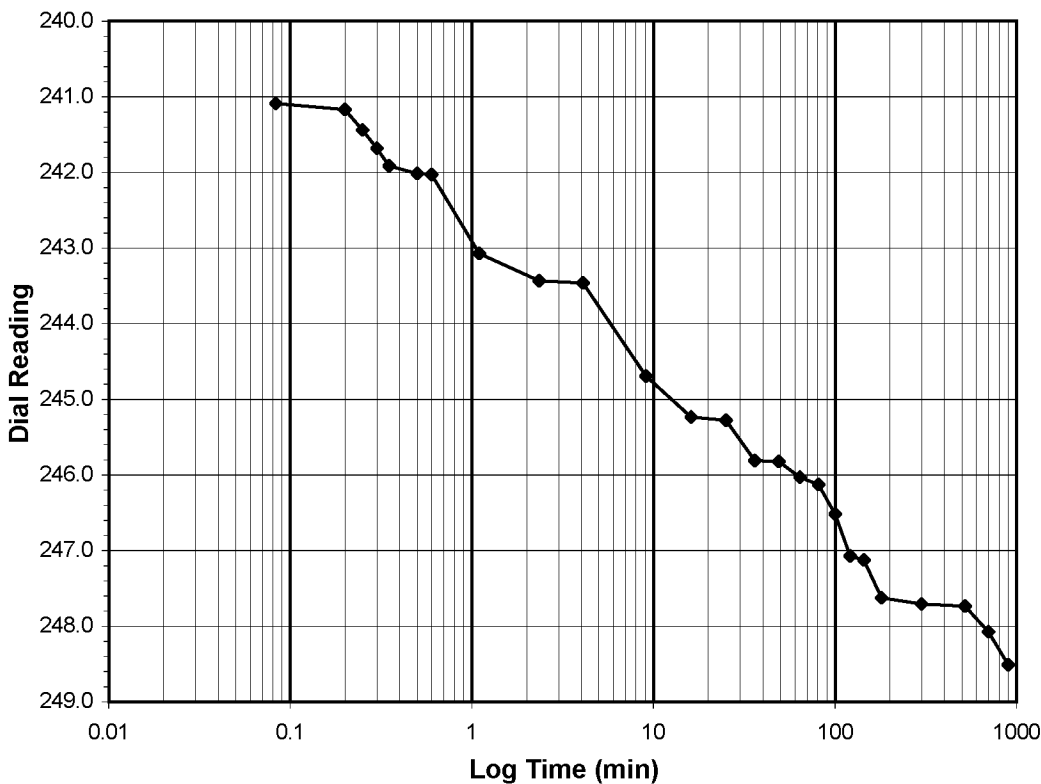
Boring No. R-7-1  
 Depth (ft) 289.6-290.0  
 Sample No. ST-12  
 Visual Description Gray Silty Fine Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



**Test Load (tsf)** 1.0-2.0  
**Final Reading (div)** 248.5  
 Consolidometer No. **G1424**  
 1 Division (in) 0.0001  
 Start Date 11/2/13  
 Start Time 4:29:09

Elapsed Time (min)	Dial Reading (div)
<i>Initial</i>	<b>222.1</b>
0.08	241.1
0.20	241.2
0.25	241.4
0.30	241.7
0.35	241.9
0.50	242.0
0.60	242.0
1.10	243.1
2.35	243.4
4.10	243.5
9.10	244.7
16.10	245.2
25.10	245.3
36.10	245.8
49.10	245.8
64.10	246.0
81.10	246.1
100.10	246.5
121.10	247.1
144.10	247.1
180.10	247.6
300.10	247.7
520.12	247.7
700.12	248.1
900.10	248.5



Tested By DB Date 11/2/13 Checked By TM Date 12/5/13



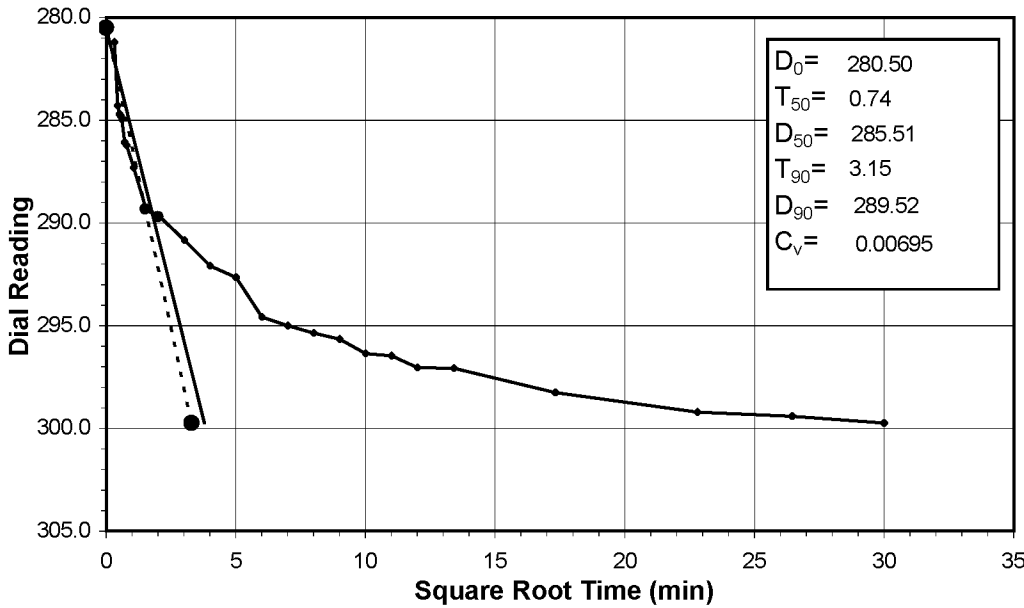
## ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-010

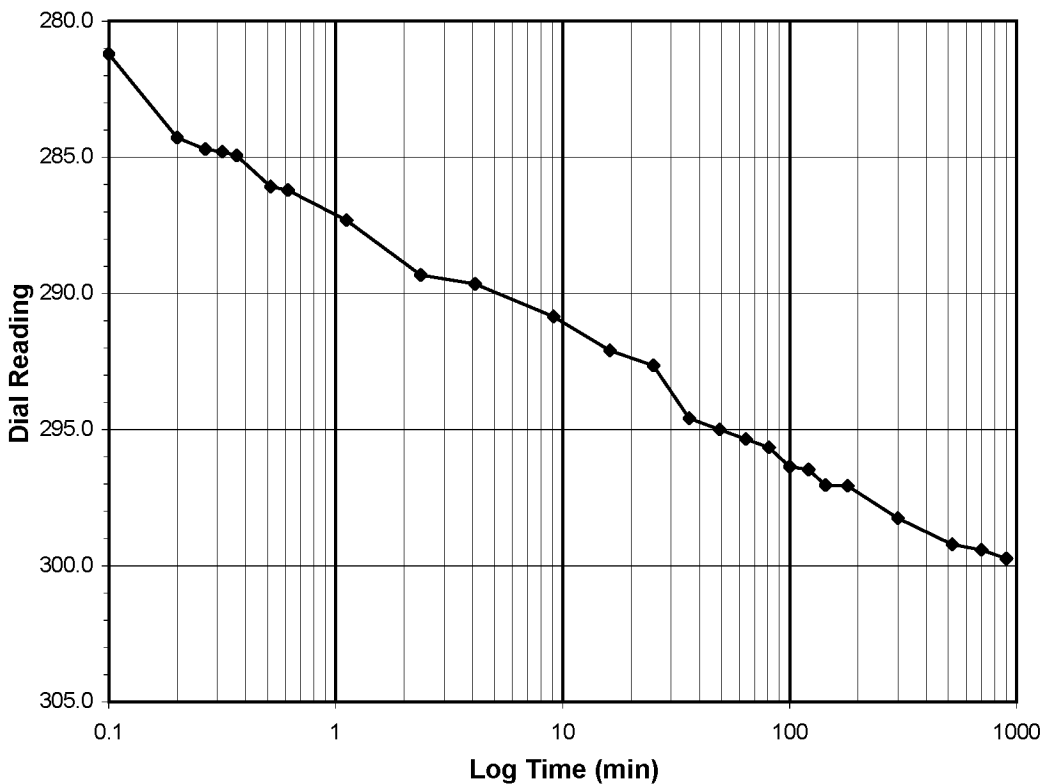
Boring No. R-7-1  
 Depth (ft) 289.6-290.0  
 Sample No. ST-12  
 Visual Description Gray Silty Fine Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



<b>Test Load (tsf)</b>	<b>2.0-4.0</b>
<b>Final Reading (div)</b>	<b>299.7</b>
Consolidometer No.	<b>G1424</b>
1 Division (in)	0.0001
Start Date	11/2/13
Start Time	19:29:16

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>248.5</b>
0.10	281.2
0.20	284.3
0.27	284.7
0.32	284.8
0.37	284.9
0.52	286.1
0.62	286.2
1.12	287.3
2.37	289.3
4.12	289.6
9.12	290.8
16.12	292.1
25.12	292.6
36.12	294.6
49.12	295.0
64.12	295.4
81.12	295.7
100.12	296.4
121.12	296.5
144.12	297.0
180.12	297.1
300.13	298.3
520.13	299.2
700.13	299.4
900.20	299.7



Tested By **DB** Date **11/2/13** Checked By **TM** Date **12/5/13**

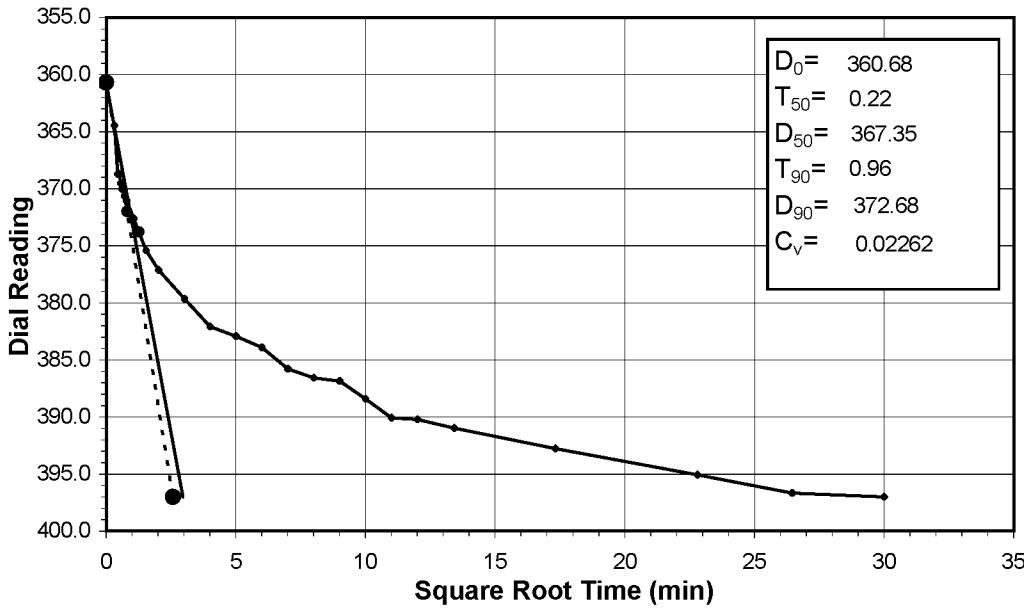
# ONE DIMENSIONAL CONSOLIDATION

ASTM D2435 / D2435M-11

Client Paul C. Rizzo & Associates  
 Client Project Turkey Point Units 6 & 7 Site  
 Project No. 2013-465-001  
 Lab ID 2013-465-001-010

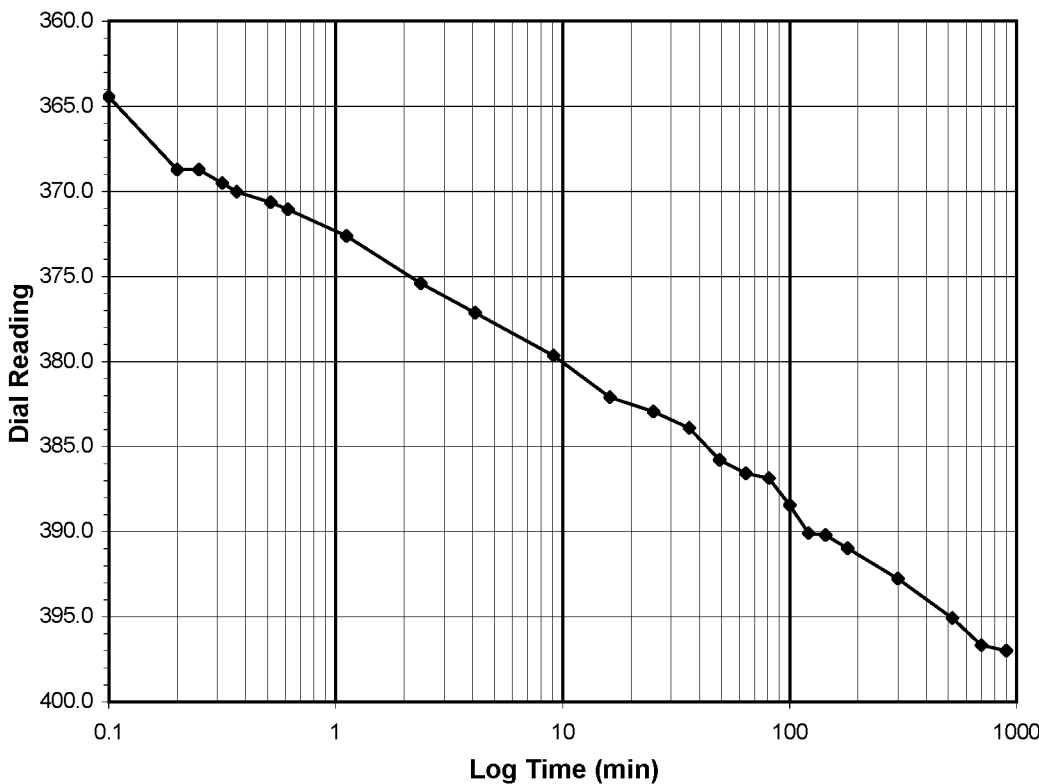
Boring No. R-7-1  
 Depth (ft) 289.6-290.0  
 Sample No. ST-12  
 Visual Description Gray Silty Fine Sand

**Sample Conditions:** Undisturbed, Inundated And Double Drained



**Test Load (tsf)** 4.0-8.0  
**Final Reading (div)** 397.0  
 Consolidometer No. **G1424**  
 1 Division (in) 0.0001  
 Start Date 11/3/13  
 Start Time 10:29:28

Elapsed Time (min)	Dial Reading (div)
<b>Initial</b>	<b>299.7</b>
0.10	364.4
0.20	368.7
0.25	368.7
0.32	369.5
0.37	370.0
0.52	370.6
0.62	371.1
1.12	372.6
2.37	375.4
4.12	377.1
9.12	379.6
16.12	382.1
25.12	382.9
36.12	383.9
49.12	385.8
64.12	386.6
81.12	386.8
100.13	388.4
121.13	390.1
144.13	390.2
180.13	391.0
300.13	392.8
520.13	395.1
700.13	396.7
900.07	397.0



Tested By DB Date 11/3/13 Checked By TM Date 12/5/13