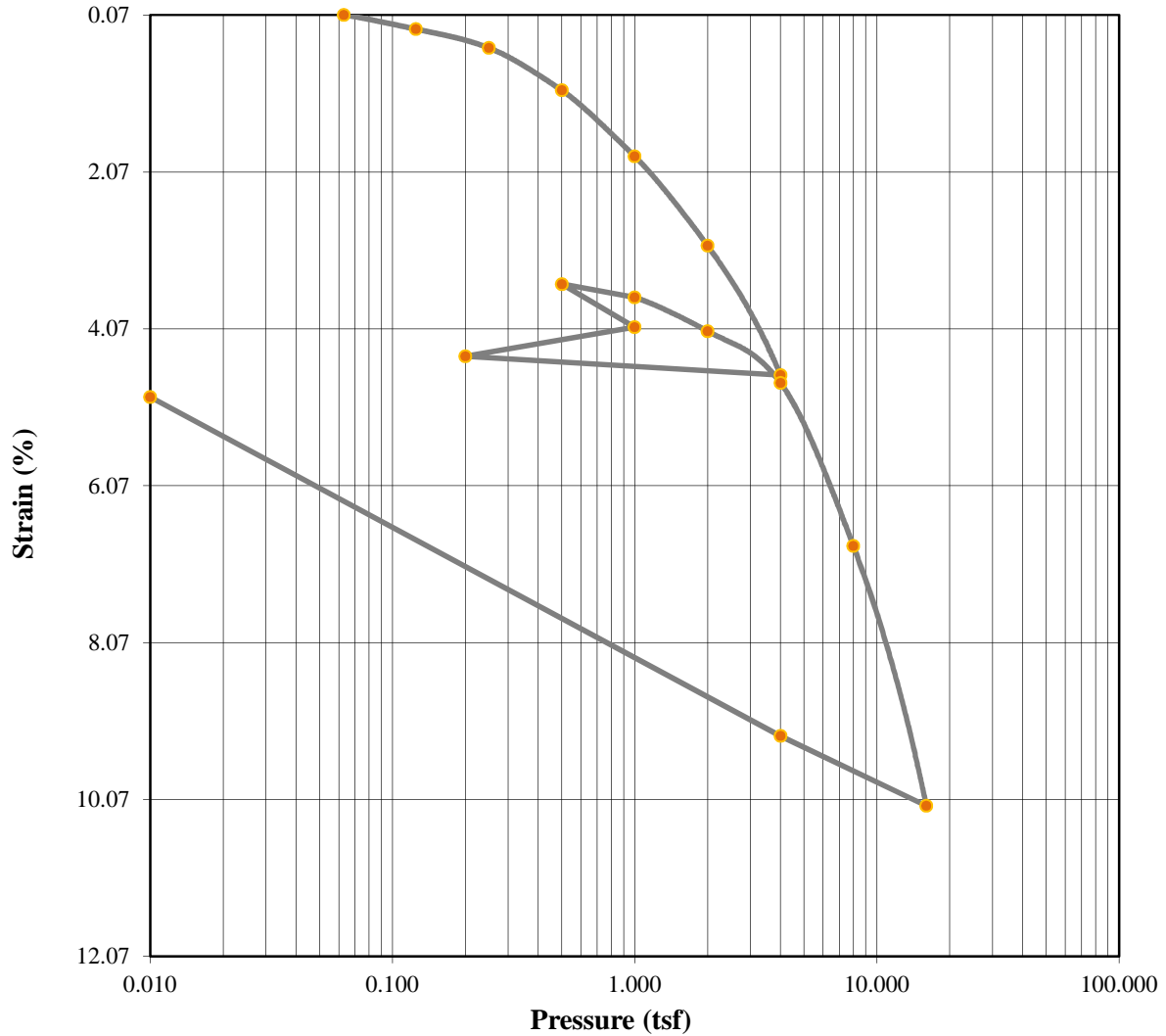
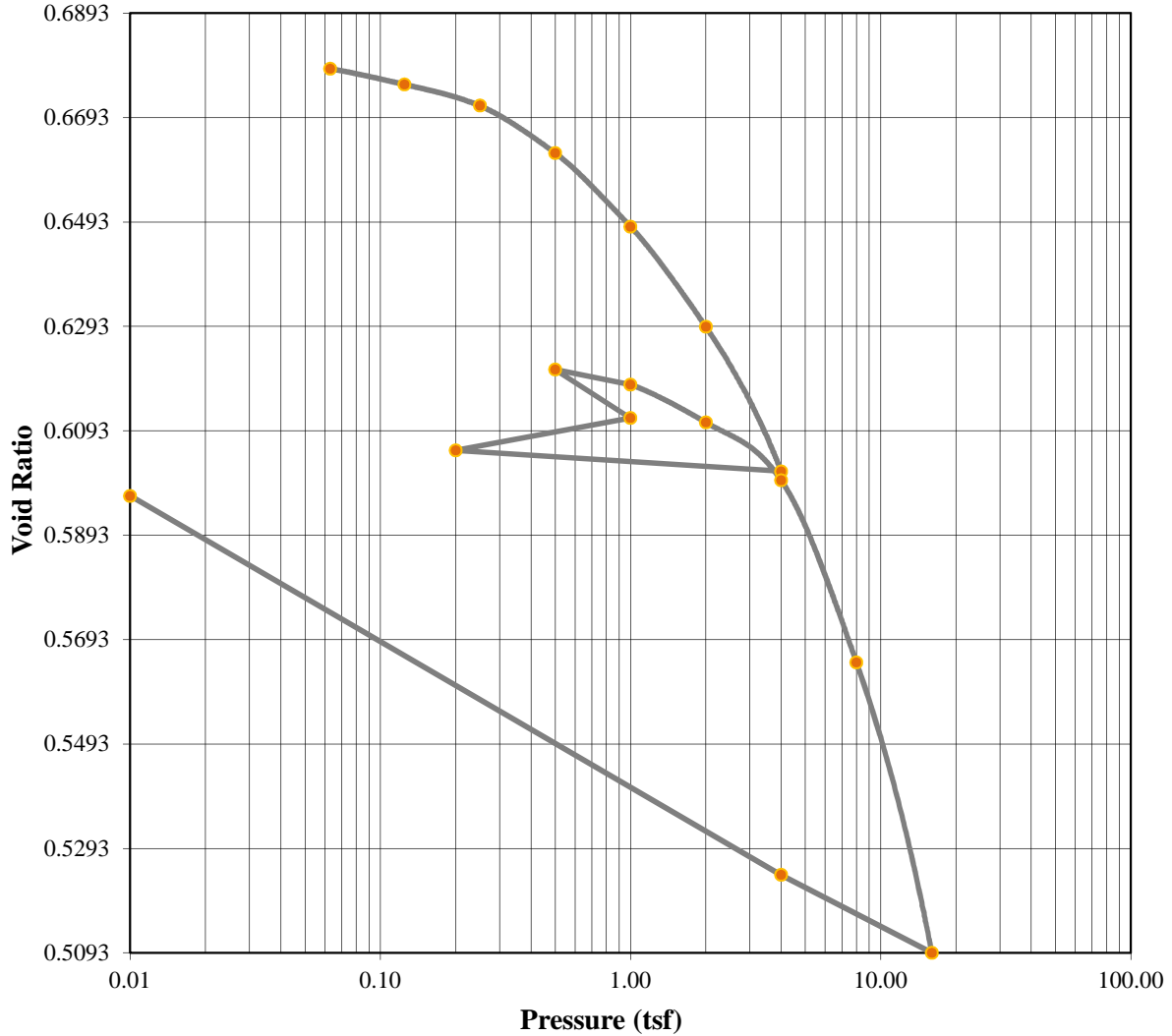


## Consolidation Test Test Results



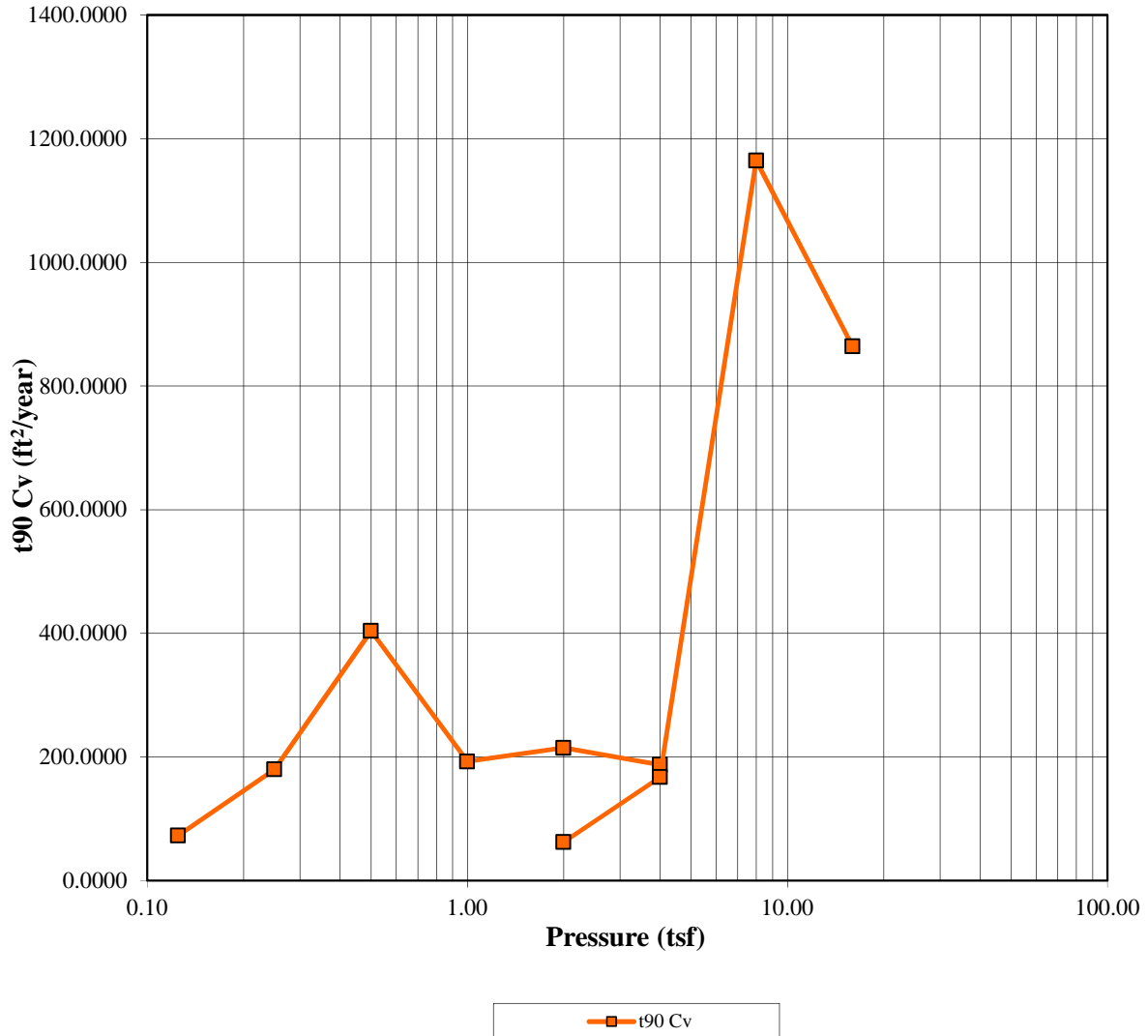
	Before	After	Liquid Limits:	25	Test Date:
Moisture (%):	21.46	25.44	Plastic Limits:	12	
Dry Density (pcf):	99.46	104.63	Plasticity Index (%):	13	
Saturation (%):	84.27	113.74			
Void Ratio:	0.6802	0.5972	Specific Gravity:	2.681	Measured
<b>Sample Description:</b>					
Project Number:	33489.1.1		Depth:	1.5-3.5ft	
Sample Number:	ST-1 (B-4137)	Boring Number:	Remarks:		
Project:	ST-1 (B-4137)		Red Tan Clay Solid Height 0.5958		
Client:			inches Est. Blows/ft= 4		
Location:	Harnett Co. Sta. 21+00				

## Consolidation Test Test Results



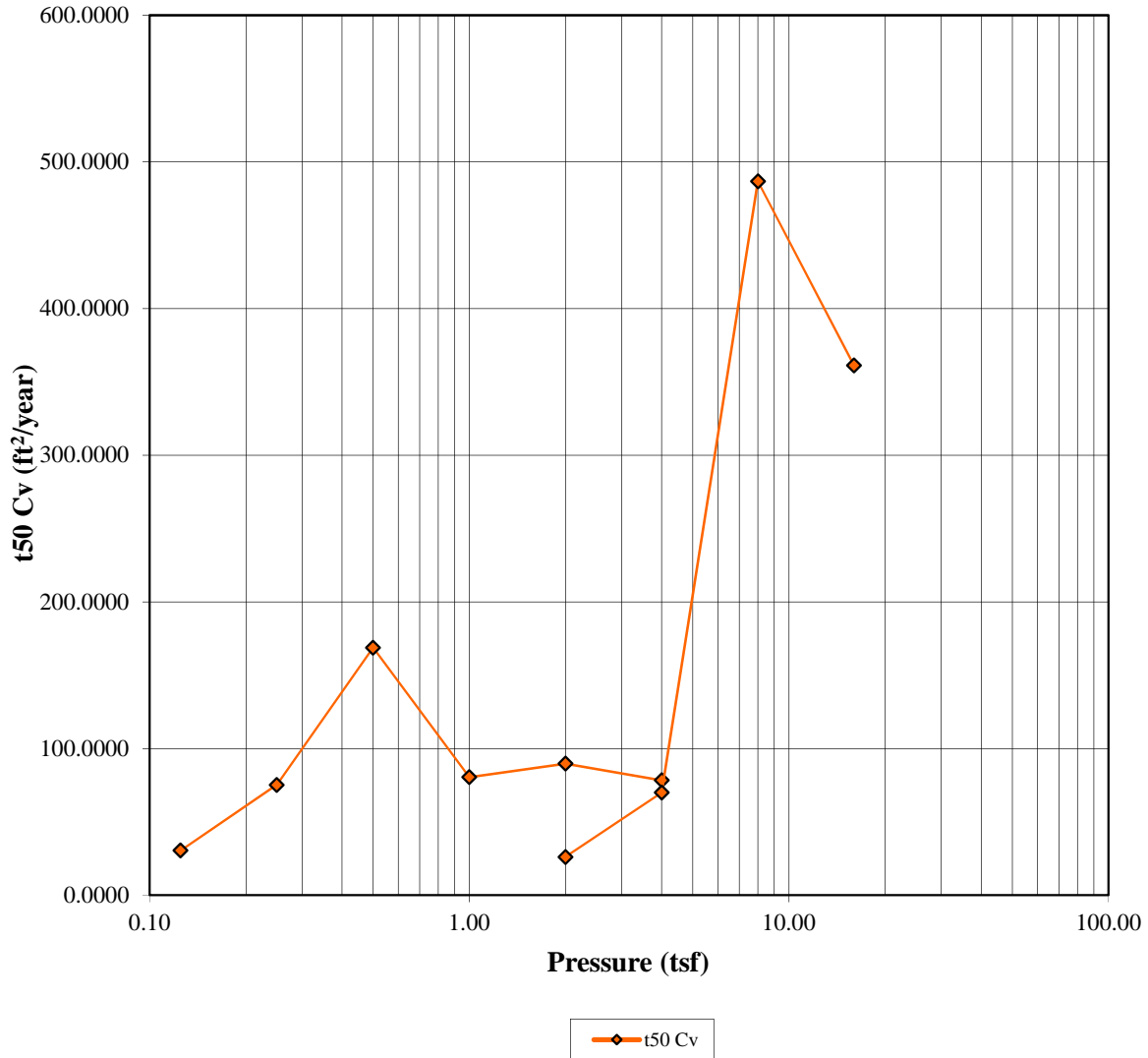
	Before	After	Liquid Limits:	25	Test Date:
Moisture (%):	21.46	25.44	Plastic Limits:	12	
Dry Density (pcf):	99.46	104.63	Plasticity Index (%):	13	
Saturation (%):	84.27	113.74	Specific Gravity:	2.681	Measured
Void Ratio:	0.6802	0.5972			
<b>Soil Description:</b>					
Project Number:	33489.1.1		Depth:	1.5-3.5ft	
Sample Number:	ST-1 (B-4137)	Boring Number:	Remarks:		
Project:	ST-1 (B-4137)		Red Tan Clay Solid Height 0.5958		
Client:			inches Est. Blows/ft= 4		
Location:	Harnett Co. Sta. 21+00				

## Consolidation Test Test Results



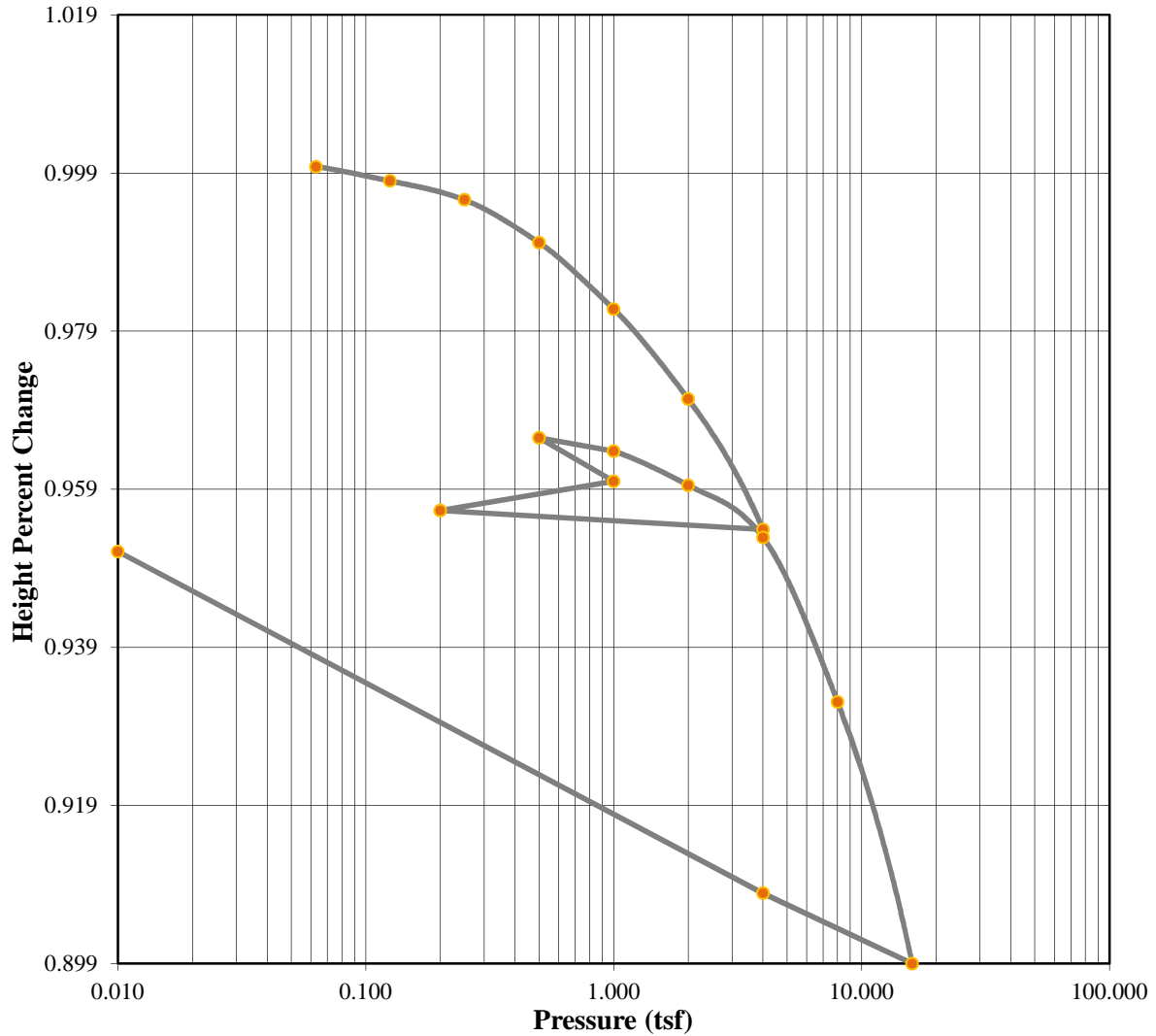
	Before	After			Test Date:
<b>Moisture (%):</b>	21.46	25.44	<b>Liquid Limits:</b>	25	
<b>Dry Density (pcf):</b>	99.46	104.63	<b>Plastic Limits:</b>	12	
<b>Saturation (%):</b>	84.27	113.74	<b>Plasticity Index (%):</b>	13	
<b>Void Ratio:</b>	0.6802	0.5972	<b>Specific Gravity:</b>	2.681	Measured
<b>Soil Description:</b>					
<b>Project Number:</b>	33489.1.1		<b>Depth:</b>	1.5-3.5ft	
<b>Sample Number:</b>	ST-1 (B-4137)	<b>Boring Number:</b>	<b>Remarks:</b> Red Tan Clay Solid Height 0.5958 inches Est. Blows/ft= 4		
<b>Project:</b>	ST-1 (B-4137)				
<b>Client:</b>					
<b>Location:</b>	Harnett Co. Sta. 21+00				

## Consolidation Test Test Results



	Before	After	Liquid Limits:	25	Test Date:
Moisture (%):	21.46	25.44	Plastic Limits:	12	
Dry Density (pcf):	99.46	104.63	Plasticity Index (%):	13	
Saturation (%):	84.27	113.74	Specific Gravity:	2.681	Measured
Void Ratio:	0.6802	0.5972			
<b>Soil Description:</b>					
Project Number:	33489.1.1		Depth:	1.5-3.5ft	
Sample Number:	ST-1 (B-4137)	Boring Number:	Remarks:		
Project:	ST-1 (B-4137)		Red Tan Clay Solid Height 0.5958		
Client:			inches Est. Blows/ft= 4		
Location:	Harnett Co. Sta. 21+00				

## Consolidation Test Test Results



	<b>Before</b>	<b>After</b>	<b>Liquid Limits:</b>	25	<b>Test Date:</b>
<b>Moisture (%):</b>	21.46	25.44	<b>Plastic Limits:</b>	12	
<b>Dry Density (pcf):</b>	99.46	104.63	<b>Plasticity Index (%):</b>	13	
<b>Saturation (%):</b>	84.27	113.74			
<b>Void Ratio:</b>	0.6802	0.5972	<b>Specific Gravity:</b>	2.681	Measured
<b>Soil Description:</b>					
<b>Project Number:</b>	33489.1.1		<b>Depth:</b> 1.5-3.5ft		<b>Remarks:</b> Red Tan Clay Solid Height 0.5958 inches Est. Blows/ft= 4
<b>Sample Number:</b>	ST-1 (B-4137)	<b>Boring Number:</b>			
<b>Project:</b>	ST-1 (B-4137)				
<b>Client:</b>					
<b>Location:</b>	Harnett Co. Sta. 21+00				

## Consolidation Test Results Summary

**Project:** ST-1 (B-4137)  
**Location:** Harnett Co. Sta. 21+00  
**Job Number:** T-4937 ST-1

**Project Number:** 33489.1.1

**Sample Number:** ST-1 (B-4137)  
**Boring Number:**  
**Depth:** 1.5-3.5ft  
**Sample Type:** Undisturbed

**Sample Description:**

**Remarks:**  
 Red Tan Clay Solid Height 0.5958 inches Est. Blows/ft= 4

**Test Number:**  
**Test Date:**

Index	Load Sequence (tsf)	Cummulative Change in Height (in)	Specimen Height (in)	Height of Void (in)	Vertical Strain (%)	Void Ratio	t90 Fitting Time (min)	t50 Fitting Time (min)	t90 Cv (ft <sup>2</sup> /year)	t50 Cv (ft <sup>2</sup> /year)
0	0.000	0.0000	1.0000	0.4047	0.00	0.6798	0.000	0.000	0.000	0.000
1	0.063	0.0007	0.9993	0.4040	0.07	0.6786	0.000	0.000	0.000	0.000
2	0.125	0.0025	0.9975	0.4022	0.25	0.6756	10.580	* 5.8778	72.773	30.431
3	0.250	0.0049	0.9951	0.3998	0.49	0.6715	4.263	* 2.3683	179.746	75.162
4	0.500	0.0103	0.9897	0.3944	1.03	0.6625	1.878	* 1.0432	403.646	168.787
5	1.000	0.0187	0.9813	0.3860	1.87	0.6484	3.873	* 2.1518	192.383	80.445
6	2.000	0.0301	0.9699	0.3746	3.01	0.6292	3.395	* 1.8862	214.402	89.653
7	4.000	0.0466	0.9534	0.3581	4.66	0.6015	3.756	* 2.0864	187.288	78.316
8	0.200	0.0442	0.9558	0.3605	4.42	0.6055	0.000	0.000	0.000	0.000
9	1.000	0.0405	0.9595	0.3642	4.05	0.6117	0.000	0.000	0.000	0.000
10	0.500	0.0350	0.9650	0.3697	3.50	0.6210	0.000	0.000	0.000	0.000
11	1.000	0.0367	0.9633	0.3680	3.67	0.6181	0.000	0.000	0.000	0.000
12	2.000	0.0410	0.9590	0.3637	4.10	0.6109	11.416	* 6.3422	62.338	26.067
13	4.000	0.0476	0.9524	0.3571	4.76	0.5998	4.198	* 2.3323	167.188	69.912
14	8.000	0.0684	0.9316	0.3363	6.84	0.5649	0.577	* 0.3205	1164.255	486.777
15	16.000	0.1015	0.8985	0.3032	10.15	0.5093	0.723	* 0.4017	863.868	361.271
16	4.000	0.0926	0.9074	0.3121	9.26	0.5242	0.000	0.000	0.000	0.000
17	0.010	0.0494	0.9506	0.3553	4.94	0.5968	0.000	0.000	0.000	0.000

Predicted value indicated with \*

**Tested By:**

**Checked By:**

**Consolidation Test**  
**Consolidation Specimen Information**

**Project:** ST-1 (B-4137) **Project Number:** 33489.1.1  
**Location:** Harnett Co. Sta. 21+00  
**Job Number:** T-4937 ST-1 **Test Date:**

**Sample Number:** ST-1 (B-4137) **Sample Description:**  
**Boring Number:**  
**Depth:** 1.5-3.5ft **Remarks:**  
**Sample Type:** Undisturbed Red Tan Clay Solid Height 0.5958 inches Est. Blows/ft= 4

**Test Number:**  
**Liquid Limit:** 25.0000 **Initial Void Ratio:** 0.6802 **Initial Height (in):** 1.0000  
**Plastic Limit:** 12.0000 **Plasticity Index (%):** 13.0000 **Initial Diameter (in):** 2.5000  
**Specific Gravity:** 2.6810 **Weight of Ring (g):** 111.2700  
Measured

Parameters	Initial Specimen	Final Specimen
Moist Weight + Container (g)	155.66	160.76
Dry Soil + Container (g)	128.16	128.16
Weight of Container (g)	0.00	0.00
Moisture Content (%)	21.46	25.44
Void Ratio	0.6802	0.5972
Saturation (%)	84.27	113.74
Dry Density (pcf)	99.46	104.63

**Tested By:**

**Checked By:**

**Consolidation Test Results**  
**(Sequence 1) Load 0.063 tsf**

**Project:** ST-1 (B-4137) **Project Number:** 33489.1.1  
**Location:** Harnett Co. Sta. 21+00  
**Job Number:** T-4937 ST-1 **Test Date:**  
**Test Number:**  
**Sample Number:** ST-1 (B-4137) **Soil Description:**  
**Boring Number:**  
**Depth:** 1.5-3.5ft **Remarks:**  
**Sample Type:** Undisturbed Red Tan Clay Solid Height 0.5958 inches Est. Blows/ft= 4

Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.0001	0.0000	0.0000	0.6802
1	00:00:01	0.0004	0.0002	0.0200	0.6798
2	00:00:02	0.0004	0.0002	0.0200	0.6798
3	00:00:03	0.0005	0.0003	0.0300	0.6797
4	00:00:04	0.0005	0.0003	0.0300	0.6797
5	00:00:05	0.0005	0.0003	0.0300	0.6797
6	00:00:06	0.0005	0.0003	0.0300	0.6797
7	00:00:12	0.0005	0.0003	0.0300	0.6797
8	00:00:15	0.0006	0.0004	0.0400	0.6795
9	00:00:30	0.0006	0.0004	0.0400	0.6795
10	00:01:00	0.0007	0.0005	0.0500	0.6793
11	00:02:00	0.0007	0.0005	0.0500	0.6793
12	00:04:00	0.0007	0.0005	0.0500	0.6793
13	00:08:00	0.0008	0.0006	0.0600	0.6792
14	00:10:00	0.0008	0.0006	0.0600	0.6792
15	00:15:00	0.0008	0.0006	0.0600	0.6792
16	00:27:18	0.0009	0.0007	0.0700	0.6790

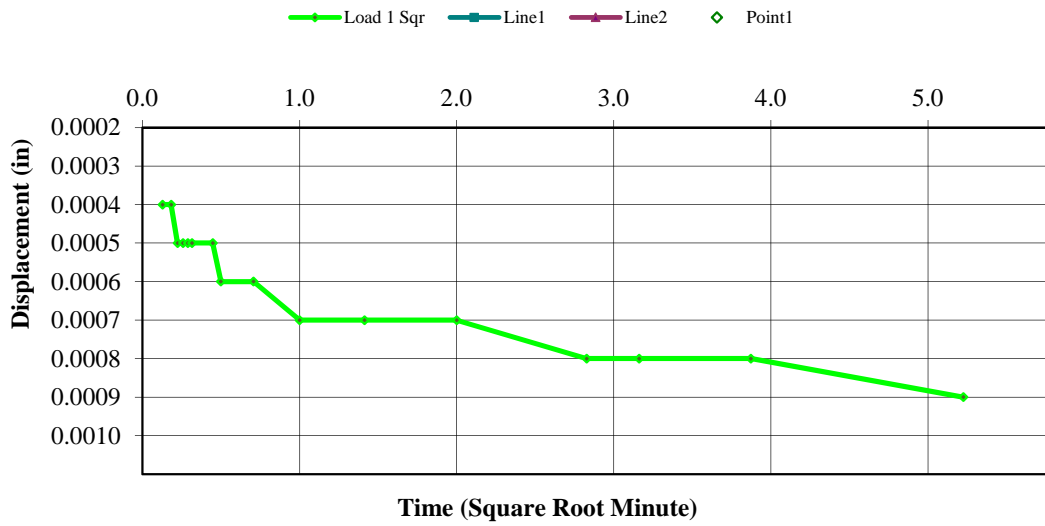
**Tested By:**

**Checked By:**

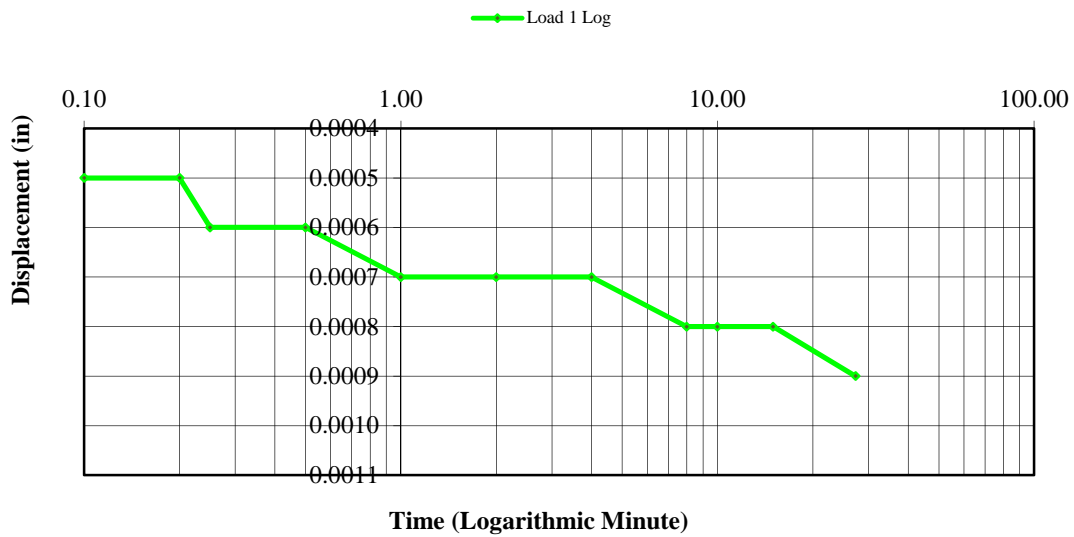


## Consolidation Test Results (Sequence 1) Load 0.063 tsf

### Consolidation Graph (Square-root Time)



### Consolidation Graph (Logarithmic Time)





**Consolidation Test Results**  
**(Sequence 2) Load 0.125 tsf**

**Project:** ST-1 (B-4137) **Project Number:** 33489.1.1  
**Location:** Harnett Co. Sta. 21+00  
**Job Number:** T-4937 ST-1 **Test Date:**  
**Test Number:**  
**Sample Number:** ST-1 (B-4137) **Soil Description:**  
**Boring Number:**  
**Depth:** 1.5-3.5ft **Remarks:**  
**Sample Type:** Undisturbed Red Tan Clay Solid Height 0.5958 inches Est. Blows/ft= 4

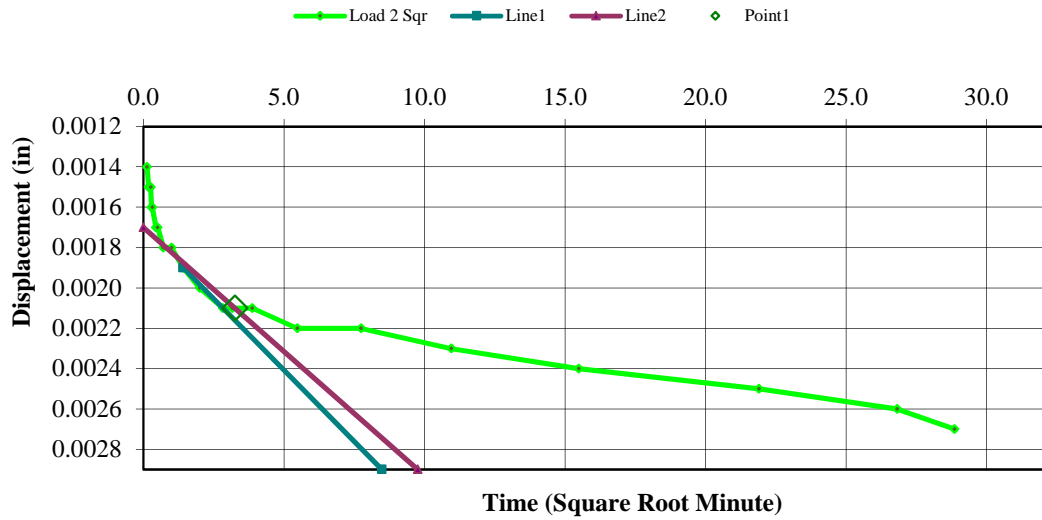
Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.0009	0.0007	0.0700	0.6790
1	00:00:01	0.0014	0.0012	0.1200	0.6782
2	00:00:02	0.0015	0.0013	0.1300	0.6780
3	00:00:03	0.0015	0.0013	0.1300	0.6780
4	00:00:04	0.0015	0.0013	0.1300	0.6780
5	00:00:05	0.0016	0.0014	0.1400	0.6778
6	00:00:06	0.0016	0.0014	0.1400	0.6778
7	00:00:12	0.0017	0.0015	0.1500	0.6777
8	00:00:15	0.0017	0.0015	0.1500	0.6777
9	00:00:30	0.0018	0.0016	0.1600	0.6775
10	00:01:00	0.0018	0.0016	0.1600	0.6775
11	00:02:00	0.0019	0.0017	0.1700	0.6773
12	00:04:00	0.0020	0.0018	0.1800	0.6772
13	00:08:00	0.0021	0.0019	0.1900	0.6770
14	00:10:00	0.0021	0.0019	0.1900	0.6770
15	00:15:00	0.0021	0.0019	0.1900	0.6770
16	00:29:59	0.0022	0.0020	0.2000	0.6768
17	00:59:58	0.0022	0.0020	0.2000	0.6768
18	01:59:57	0.0023	0.0021	0.2100	0.6767
19	03:59:53	0.0024	0.0022	0.2200	0.6765
20	07:59:46	0.0025	0.0023	0.2300	0.6763
21	11:59:39	0.0026	0.0024	0.2400	0.6761
22	13:53:10	0.0027	0.0025	0.2500	0.6760

**Tested By:**

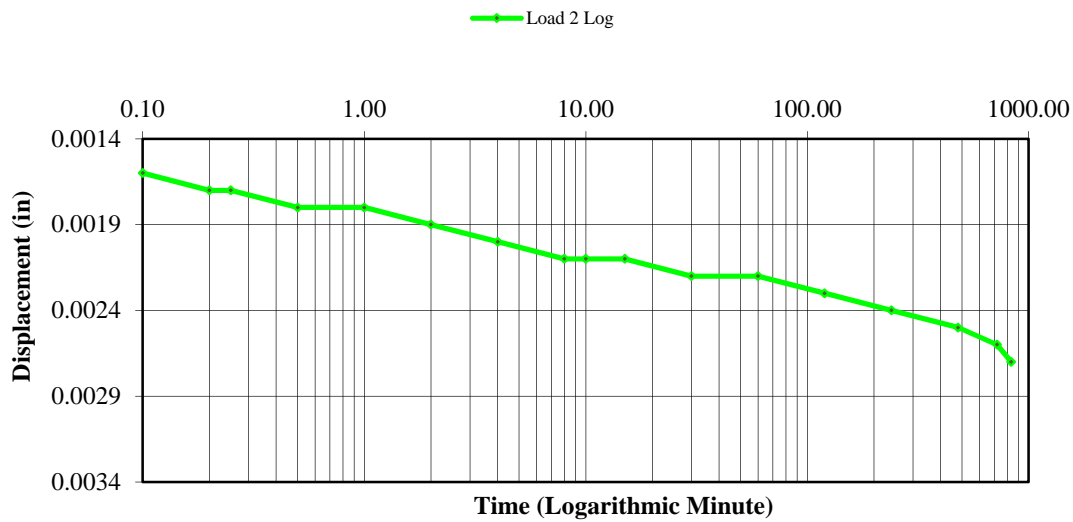
**Checked By:**

**Consolidation Test Results**  
(Sequence 2) Load 0.125 tsf

**Consolidation Graph (Square-root Time)**



**Consolidation Graph (Logarithmic Time)**



**Consolidation Test Results**  
**(Sequence 3) Load 0.250 tsf**

**Project:** ST-1 (B-4137) **Project Number:** 33489.1.1  
**Location:** Harnett Co. Sta. 21+00  
**Job Number:** T-4937 ST-1 **Test Date:**  
**Test Number:**  
**Sample Number:** ST-1 (B-4137) **Soil Description:**  
**Boring Number:**  
**Depth:** 1.5-3.5ft **Remarks:**  
**Sample Type:** Undisturbed Red Tan Clay Solid Height 0.5958 inches Est. Blows/ft= 4

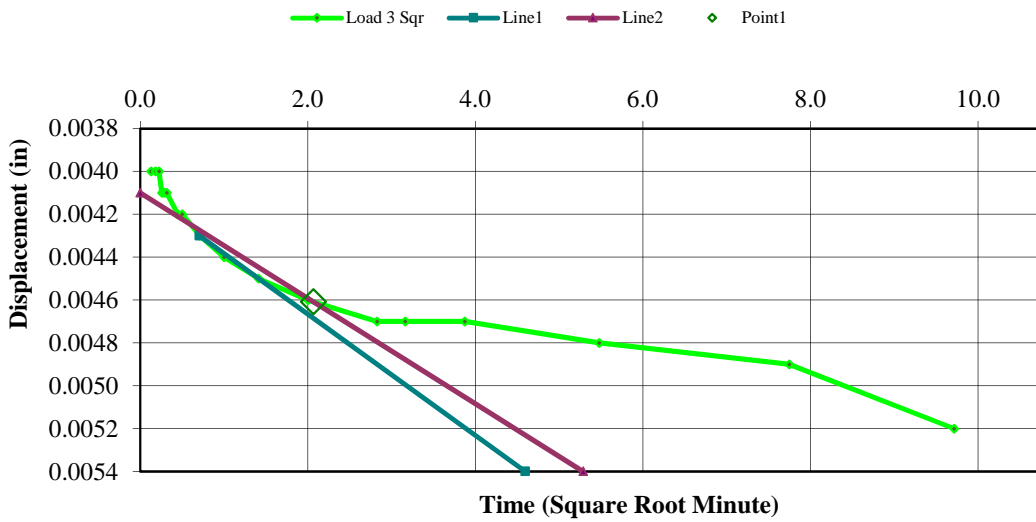
Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.0027	0.0025	0.2500	0.6760
1	00:00:01	0.0040	0.0037	0.3700	0.6740
2	00:00:02	0.0040	0.0037	0.3700	0.6740
3	00:00:03	0.0040	0.0037	0.3700	0.6740
4	00:00:04	0.0041	0.0038	0.3800	0.6738
5	00:00:05	0.0041	0.0038	0.3800	0.6738
6	00:00:06	0.0041	0.0038	0.3800	0.6738
7	00:00:12	0.0042	0.0039	0.3900	0.6736
8	00:00:15	0.0042	0.0039	0.3900	0.6736
9	00:00:30	0.0043	0.0040	0.4000	0.6735
10	00:01:00	0.0044	0.0041	0.4100	0.6733
11	00:02:00	0.0045	0.0042	0.4200	0.6731
12	00:04:00	0.0046	0.0043	0.4300	0.6730
13	00:08:00	0.0047	0.0044	0.4400	0.6728
14	00:10:00	0.0047	0.0044	0.4400	0.6728
15	00:15:00	0.0047	0.0044	0.4400	0.6728
16	00:30:00	0.0048	0.0045	0.4500	0.6726
17	01:00:00	0.0049	0.0046	0.4600	0.6725
18	01:34:22	0.0052	0.0049	0.4900	0.6719

**Tested By:**

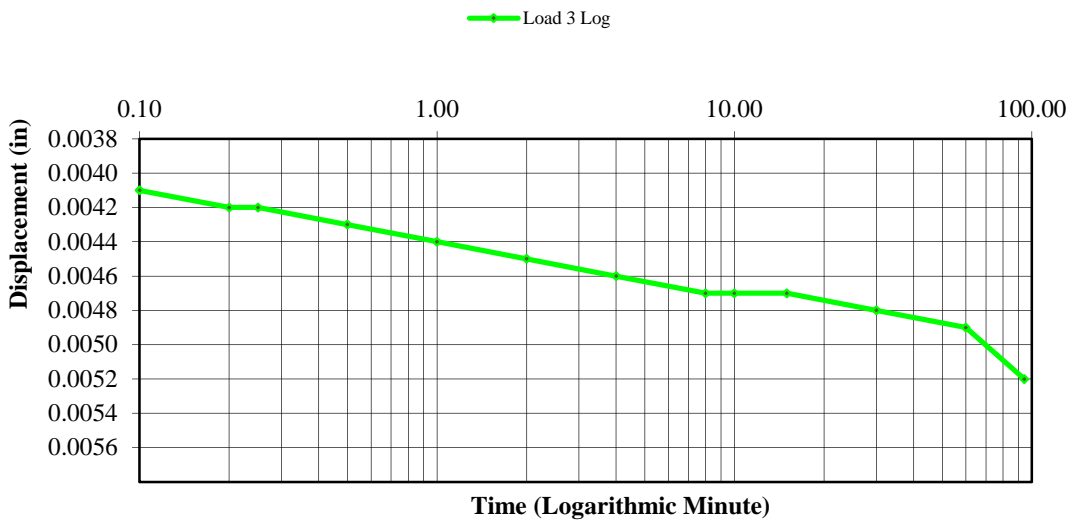
**Checked By:**

## Consolidation Test Results (Sequence 3) Load 0.250 tsf

### Consolidation Graph (Square-root Time)



### Consolidation Graph (Logarithmic Time)



**Consolidation Test Results**  
**(Sequence 4) Load 0.500 tsf**

**Project:** ST-1 (B-4137) **Project Number:** 33489.1.1  
**Location:** Harnett Co. Sta. 21+00  
**Job Number:** T-4937 ST-1 **Test Date:**  
**Test Number:**  
**Sample Number:** ST-1 (B-4137) **Soil Description:**  
**Boring Number:**  
**Depth:** 1.5-3.5ft **Remarks:**  
**Sample Type:** Undisturbed Red Tan Clay Solid Height 0.5958 inches Est. Blows/ft= 4

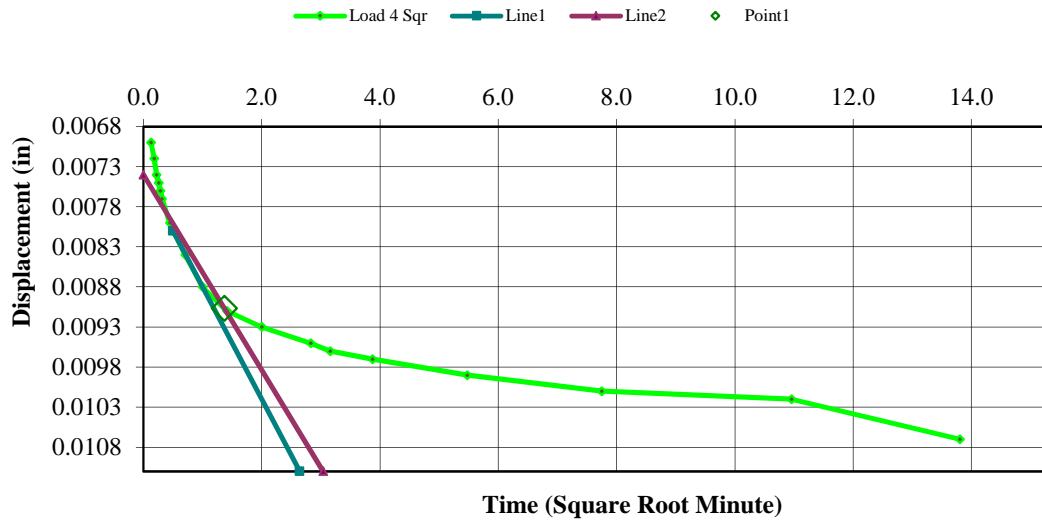
Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.0052	0.0049	0.4900	0.6719
1	00:00:01	0.0070	0.0066	0.6600	0.6691
2	00:00:02	0.0072	0.0068	0.6800	0.6688
3	00:00:03	0.0074	0.0070	0.7000	0.6684
4	00:00:04	0.0075	0.0071	0.7100	0.6683
5	00:00:05	0.0076	0.0072	0.7200	0.6681
6	00:00:06	0.0077	0.0073	0.7300	0.6679
7	00:00:12	0.0080	0.0076	0.7600	0.6674
8	00:00:15	0.0081	0.0077	0.7700	0.6672
9	00:00:30	0.0084	0.0080	0.8000	0.6667
10	00:01:00	0.0088	0.0084	0.8400	0.6661
11	00:02:00	0.0091	0.0087	0.8700	0.6656
12	00:04:00	0.0093	0.0089	0.8900	0.6652
13	00:08:00	0.0095	0.0091	0.9100	0.6649
14	00:10:00	0.0096	0.0092	0.9200	0.6647
15	00:15:00	0.0097	0.0093	0.9300	0.6646
16	00:30:01	0.0099	0.0095	0.9500	0.6642
17	01:00:02	0.0101	0.0097	0.9700	0.6639
18	02:00:03	0.0102	0.0098	0.9800	0.6637
19	03:10:35	0.0107	0.0103	1.0300	0.6629

**Tested By:**

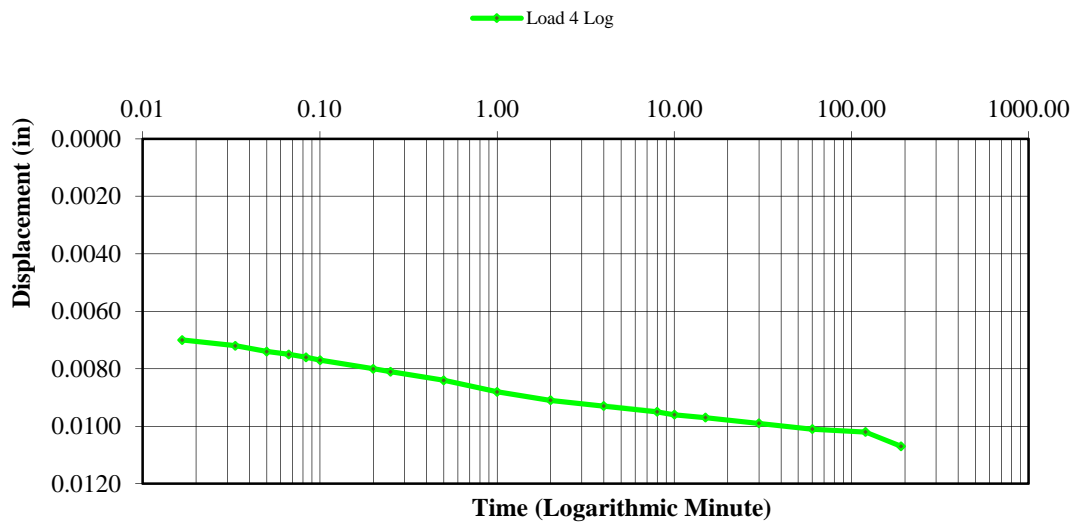
**Checked By:**

## Consolidation Test Results (Sequence 4) Load 0.500 tsf

### Consolidation Graph (Square-root Time)



### Consolidation Graph (Logarithmic Time)





**Consolidation Test Results**  
**(Sequence 5) Load 1.000 tsf**

**Project:** ST-1 (B-4137) **Project Number:** 33489.1.1  
**Location:** Harnett Co. Sta. 21+00  
**Job Number:** T-4937 ST-1 **Test Date:**  
**Test Number:**  
**Sample Number:** ST-1 (B-4137) **Soil Description:**  
**Boring Number:**  
**Depth:** 1.5-3.5ft **Remarks:**  
**Sample Type:** Undisturbed Red Tan Clay Solid Height 0.5958 inches Est. Blows/ft= 4

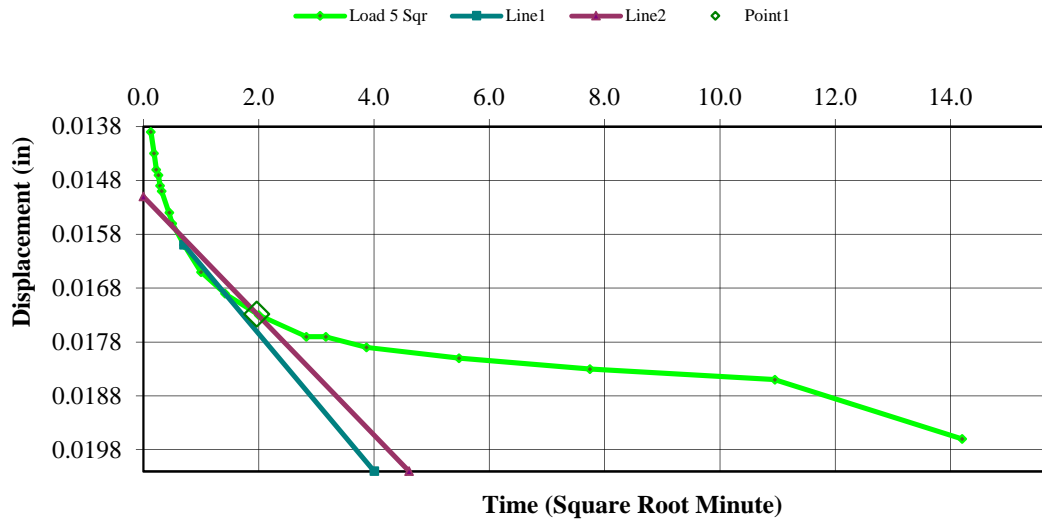
Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.0107	0.0103	1.0300	0.6629
1	00:00:01	0.0139	0.0130	1.3000	0.6583
2	00:00:02	0.0143	0.0134	1.3400	0.6577
3	00:00:03	0.0146	0.0137	1.3700	0.6572
4	00:00:04	0.0147	0.0138	1.3800	0.6570
5	00:00:05	0.0149	0.0140	1.4000	0.6567
6	00:00:06	0.0150	0.0141	1.4100	0.6565
7	00:00:12	0.0154	0.0145	1.4500	0.6558
8	00:00:15	0.0156	0.0147	1.4700	0.6555
9	00:00:30	0.0160	0.0151	1.5100	0.6548
10	00:01:00	0.0165	0.0156	1.5600	0.6540
11	00:02:00	0.0169	0.0160	1.6000	0.6533
12	00:04:00	0.0173	0.0164	1.6400	0.6526
13	00:08:00	0.0177	0.0168	1.6800	0.6520
14	00:10:00	0.0177	0.0168	1.6800	0.6520
15	00:15:00	0.0179	0.0170	1.7000	0.6516
16	00:30:00	0.0181	0.0172	1.7200	0.6513
17	01:00:01	0.0183	0.0174	1.7400	0.6509
18	02:00:02	0.0185	0.0176	1.7600	0.6506
19	03:21:48	0.0196	0.0187	1.8700	0.6488

**Tested By:**

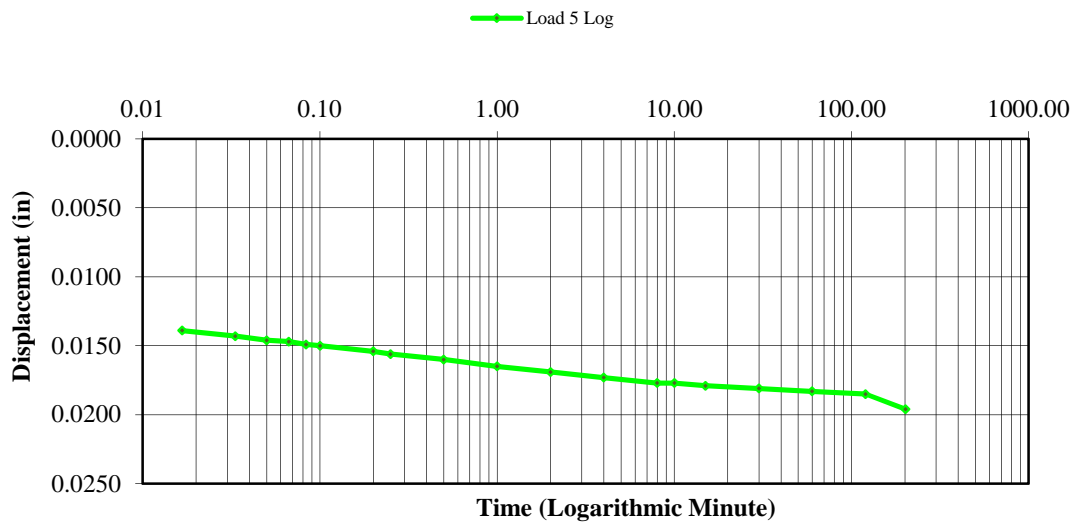
**Checked By:**

## Consolidation Test Results (Sequence 5) Load 1.000 tsf

### Consolidation Graph (Square-root Time)



### Consolidation Graph (Logarithmic Time)



**Consolidation Test Results**  
**(Sequence 6) Load 2.000 tsf**

**Project:** ST-1 (B-4137) **Project Number:** 33489.1.1  
**Location:** Harnett Co. Sta. 21+00  
**Job Number:** T-4937 ST-1 **Test Date:**  
**Test Number:**  
**Sample Number:** ST-1 (B-4137) **Soil Description:**  
**Boring Number:**  
**Depth:** 1.5-3.5ft **Remarks:**  
**Sample Type:** Undisturbed Red Tan Clay Solid Height 0.5958 inches Est. Blows/ft= 4

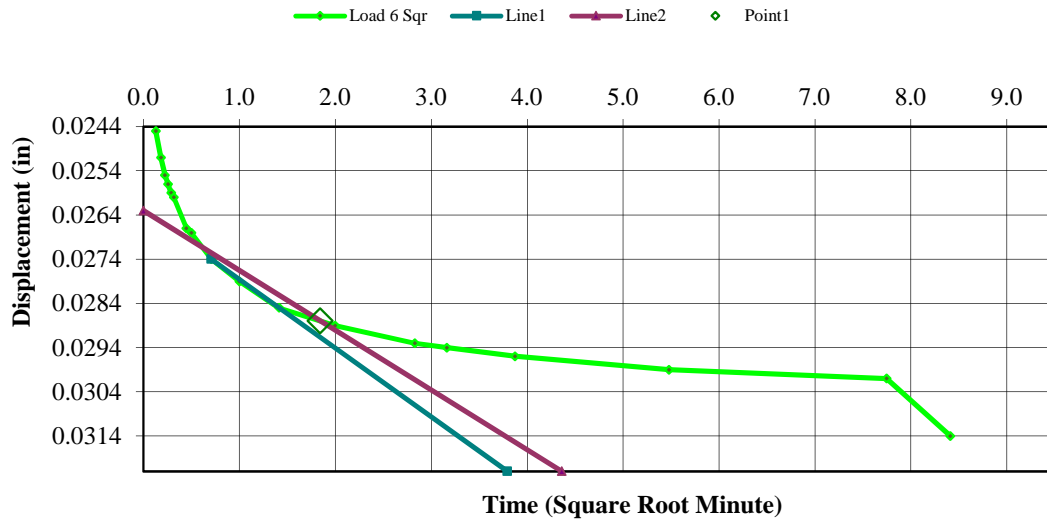
Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.0196	0.0187	1.8700	0.6488
1	00:00:01	0.0245	0.0232	2.3200	0.6412
2	00:00:02	0.0251	0.0238	2.3800	0.6402
3	00:00:03	0.0255	0.0242	2.4200	0.6395
4	00:00:04	0.0257	0.0244	2.4400	0.6392
5	00:00:05	0.0259	0.0246	2.4600	0.6388
6	00:00:06	0.0260	0.0247	2.4700	0.6387
7	00:00:12	0.0267	0.0254	2.5400	0.6375
8	00:00:15	0.0268	0.0255	2.5500	0.6373
9	00:00:30	0.0274	0.0261	2.6100	0.6363
10	00:01:00	0.0279	0.0266	2.6600	0.6355
11	00:02:00	0.0285	0.0272	2.7200	0.6345
12	00:04:00	0.0289	0.0276	2.7600	0.6338
13	00:08:00	0.0293	0.0280	2.8000	0.6331
14	00:10:00	0.0294	0.0281	2.8100	0.6330
15	00:15:01	0.0296	0.0283	2.8300	0.6326
16	00:30:01	0.0299	0.0286	2.8600	0.6321
17	01:00:02	0.0301	0.0288	2.8800	0.6318
18	01:10:46	0.0314	0.0301	3.0100	0.6296

**Tested By:**

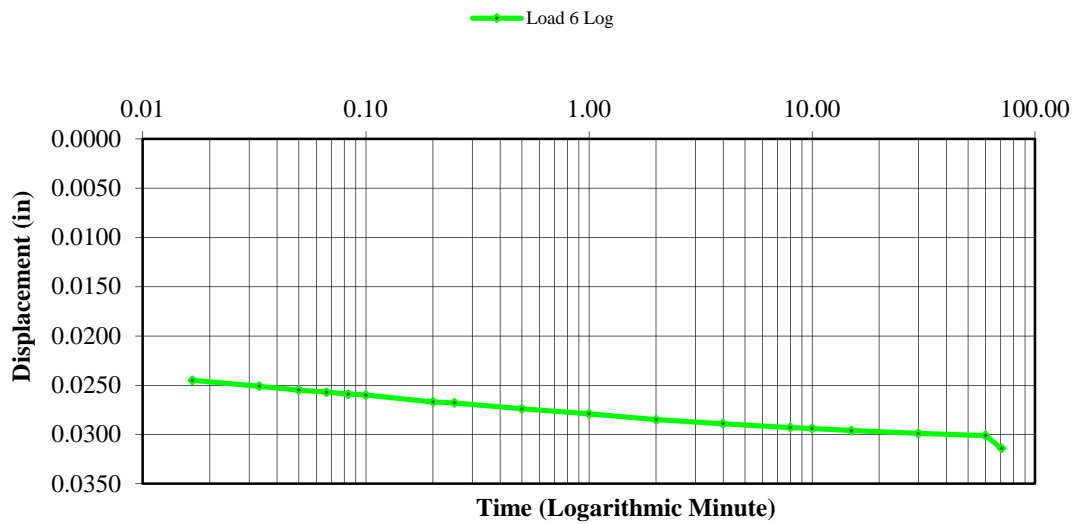
**Checked By:**

## Consolidation Test Results (Sequence 6) Load 2.000 tsf

### Consolidation Graph (Square-root Time)



### Consolidation Graph (Logarithmic Time)



**Consolidation Test Results**  
(Sequence 7) Load 4.000 tsf

**Project:** ST-1 (B-4137) **Project Number:** 33489.1.1  
**Location:** Harnett Co. Sta. 21+00  
**Job Number:** T-4937 ST-1 **Test Date:**  
**Test Number:**  
**Sample Number:** ST-1 (B-4137) **Soil Description:**  
**Boring Number:**  
**Depth:** 1.5-3.5ft **Remarks:**  
**Sample Type:** Undisturbed Red Tan Clay Solid Height 0.5958 inches Est. Blows/ft= 4

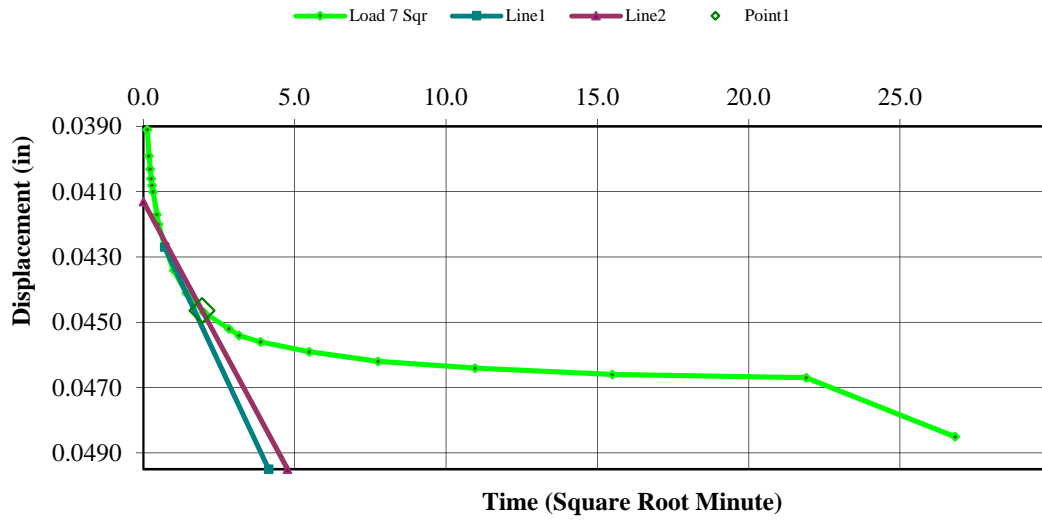
Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.0314	0.0301	3.0100	0.6296
1	00:00:01	0.0391	0.0372	3.7200	0.6177
2	00:00:02	0.0399	0.0380	3.8000	0.6163
3	00:00:03	0.0403	0.0384	3.8400	0.6157
4	00:00:04	0.0406	0.0387	3.8700	0.6152
5	00:00:05	0.0408	0.0389	3.8900	0.6148
6	00:00:06	0.0410	0.0391	3.9100	0.6145
7	00:00:12	0.0417	0.0398	3.9800	0.6133
8	00:00:15	0.0420	0.0401	4.0100	0.6128
9	00:00:30	0.0427	0.0408	4.0800	0.6116
10	00:01:00	0.0434	0.0415	4.1500	0.6105
11	00:02:00	0.0441	0.0422	4.2200	0.6093
12	00:04:00	0.0447	0.0428	4.2800	0.6083
13	00:08:00	0.0452	0.0433	4.3300	0.6074
14	00:10:00	0.0454	0.0435	4.3500	0.6071
15	00:15:00	0.0456	0.0437	4.3700	0.6068
16	00:30:00	0.0459	0.0440	4.4000	0.6063
17	01:00:01	0.0462	0.0443	4.4300	0.6057
18	02:00:03	0.0464	0.0445	4.4500	0.6054
19	04:00:06	0.0466	0.0447	4.4700	0.6051
20	07:59:43	0.0467	0.0448	4.4800	0.6049
21	11:59:07	0.0485	0.0466	4.6600	0.6019

**Tested By:**

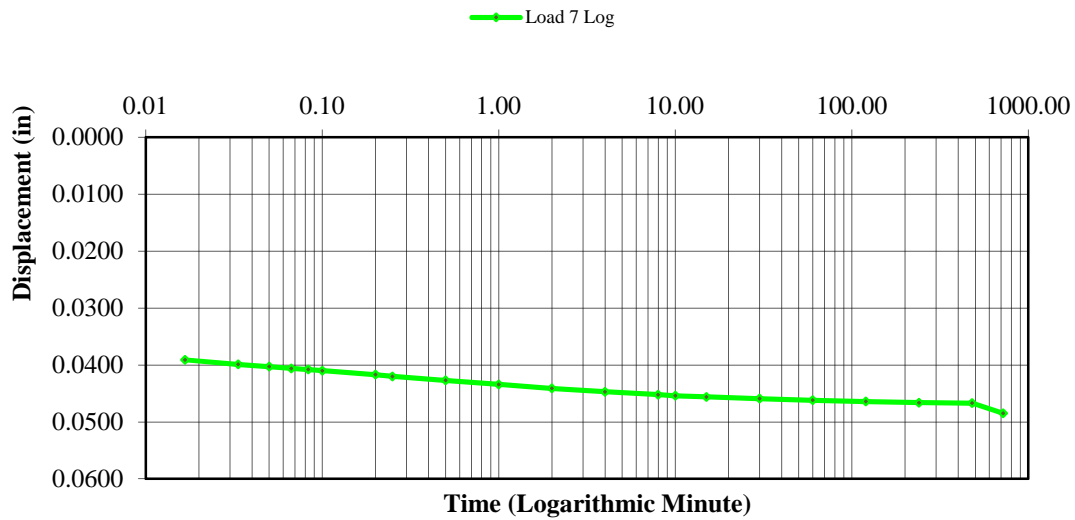
**Checked By:**

## Consolidation Test Results (Sequence 7) Load 4.000 tsf

### Consolidation Graph (Square-root Time)



### Consolidation Graph (Logarithmic Time)



**Consolidation Test Results**  
**(Sequence 8) Rebound 0.200 tsf**

**Project:** ST-1 (B-4137) **Project Number:** 33489.1.1  
**Location:** Harnett Co. Sta. 21+00  
**Job Number:** T-4937 ST-1 **Test Date:**  
**Test Number:**  
**Sample Number:** ST-1 (B-4137) **Soil Description:**  
**Boring Number:**  
**Depth:** 1.5-3.5ft **Remarks:**  
**Sample Type:** Undisturbed Red Tan Clay Solid Height 0.5958 inches Est. Blows/ft= 4

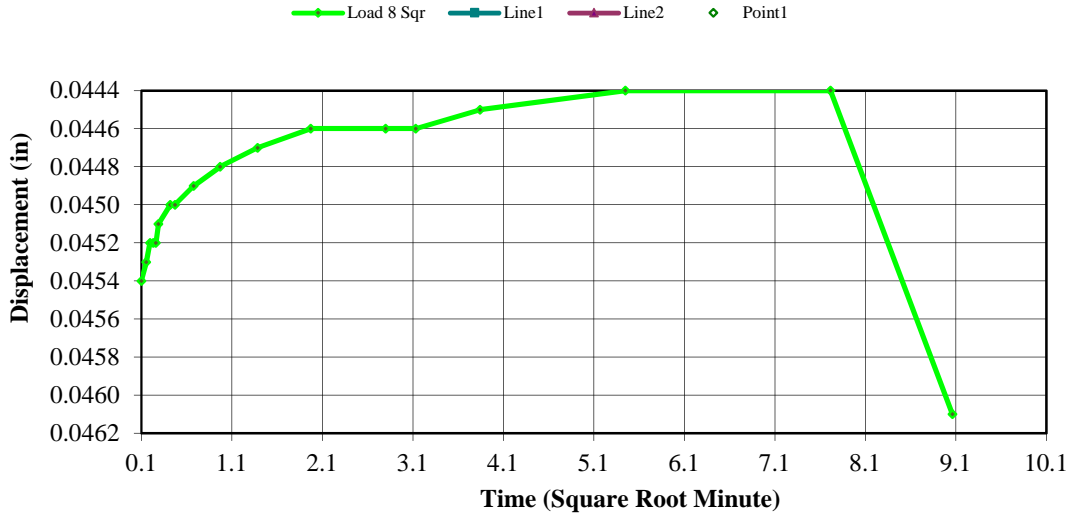
Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.0485	0.0466	4.6600	0.6019
1	00:00:01	0.0454	0.0435	4.3500	0.6071
2	00:00:02	0.0453	0.0434	4.3400	0.6073
3	00:00:03	0.0452	0.0433	4.3300	0.6074
4	00:00:04	0.0452	0.0433	4.3300	0.6074
5	00:00:05	0.0452	0.0433	4.3300	0.6074
6	00:00:06	0.0451	0.0432	4.3200	0.6076
7	00:00:12	0.0450	0.0431	4.3100	0.6078
8	00:00:15	0.0450	0.0431	4.3100	0.6078
9	00:00:30	0.0449	0.0430	4.3000	0.6079
10	00:01:00	0.0448	0.0429	4.2900	0.6081
11	00:02:00	0.0447	0.0428	4.2800	0.6083
12	00:04:00	0.0446	0.0427	4.2700	0.6084
13	00:08:00	0.0446	0.0427	4.2700	0.6084
14	00:09:59	0.0446	0.0427	4.2700	0.6084
15	00:14:59	0.0445	0.0426	4.2600	0.6086
16	00:29:59	0.0444	0.0425	4.2500	0.6088
17	00:59:58	0.0444	0.0425	4.2500	0.6088
18	01:22:41	0.0461	0.0442	4.4200	0.6059

**Tested By:**

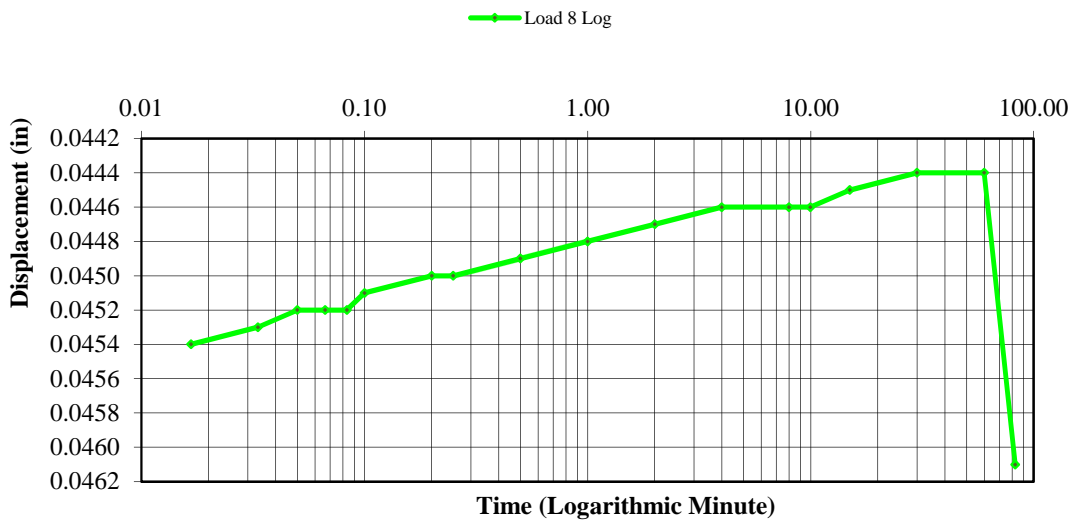
**Checked By:**

**Consolidation Test Results**  
**(Sequence 8) Rebound 0.200 tsf**

**Consolidation Graph (Square-root Time)**



**Consolidation Graph (Logarithmic Time)**





**Consolidation Test Results**  
**(Sequence 9) Load 1.000 tsf**

**Project:** ST-1 (B-4137) **Project Number:** 33489.1.1  
**Location:** Harnett Co. Sta. 21+00  
**Job Number:** T-4937 ST-1 **Test Date:**  
**Test Number:**  
**Sample Number:** ST-1 (B-4137) **Soil Description:**  
**Boring Number:**  
**Depth:** 1.5-3.5ft **Remarks:**  
**Sample Type:** Undisturbed Red Tan Clay Solid Height 0.5958 inches Est. Blows/ft= 4

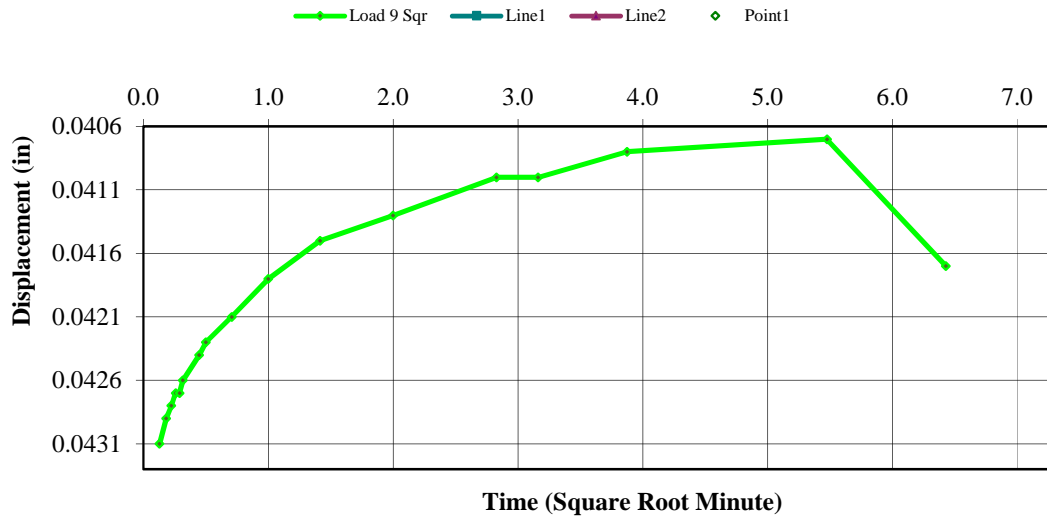
Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.0461	0.0442	4.4200	0.6059
1	00:00:01	0.0431	0.0419	4.1900	0.6098
2	00:00:02	0.0429	0.0417	4.1700	0.6101
3	00:00:03	0.0428	0.0416	4.1600	0.6103
4	00:00:04	0.0427	0.0415	4.1500	0.6105
5	00:00:05	0.0427	0.0415	4.1500	0.6105
6	00:00:06	0.0426	0.0414	4.1400	0.6106
7	00:00:12	0.0424	0.0412	4.1200	0.6110
8	00:00:15	0.0423	0.0411	4.1100	0.6111
9	00:00:30	0.0421	0.0409	4.0900	0.6115
10	00:01:00	0.0418	0.0406	4.0600	0.6120
11	00:02:00	0.0415	0.0403	4.0300	0.6125
12	00:04:00	0.0413	0.0401	4.0100	0.6128
13	00:08:00	0.0410	0.0398	3.9800	0.6133
14	00:10:00	0.0410	0.0398	3.9800	0.6133
15	00:15:00	0.0408	0.0396	3.9600	0.6136
16	00:29:59	0.0407	0.0395	3.9500	0.6138
17	00:41:20	0.0417	0.0405	4.0500	0.6121

**Tested By:**

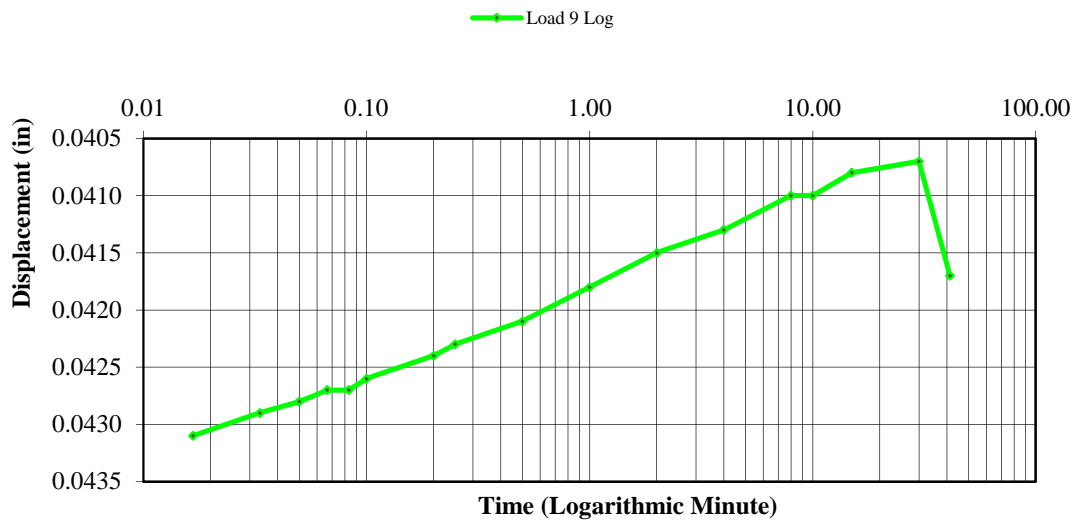
**Checked By:**

**Consolidation Test Results**  
**(Sequence 9) Load 1.000 tsf**

**Consolidation Graph (Square-root Time)**



**Consolidation Graph (Logarithmic Time)**



**Consolidation Test Results**  
**(Sequence 10) Rebound 0.500 tsf**

**Project:** ST-1 (B-4137) **Project Number:** 33489.1.1  
**Location:** Harnett Co. Sta. 21+00  
**Job Number:** T-4937 ST-1 **Test Date:**  
**Test Number:**  
**Sample Number:** ST-1 (B-4137) **Soil Description:**  
**Boring Number:**  
**Depth:** 1.5-3.5ft **Remarks:**  
**Sample Type:** Undisturbed Red Tan Clay Solid Height 0.5958 inches Est. Blows/ft= 4

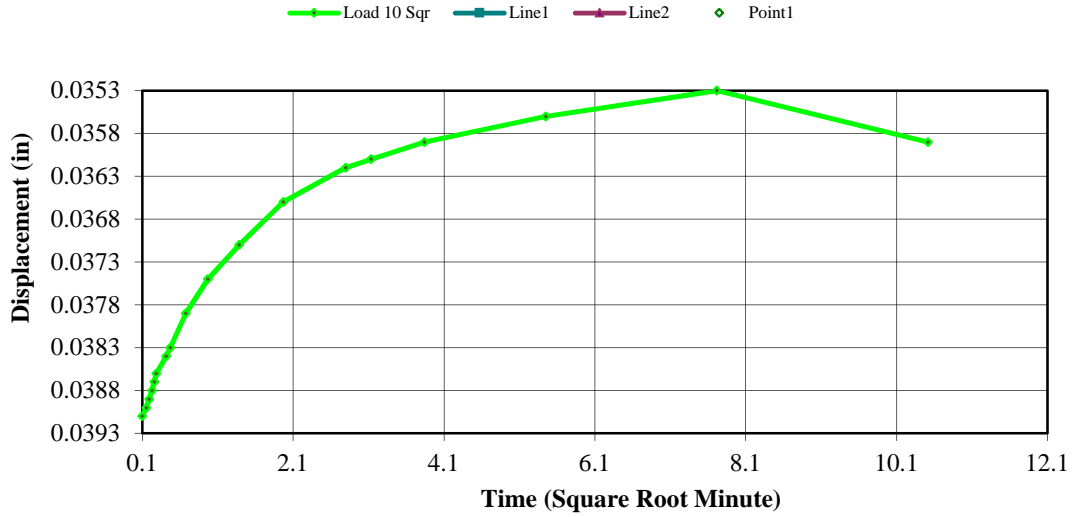
Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.0417	0.0405	4.0500	0.6121
1	00:00:01	0.0391	0.0382	3.8200	0.6160
2	00:00:02	0.0390	0.0381	3.8100	0.6162
3	00:00:03	0.0389	0.0380	3.8000	0.6163
4	00:00:04	0.0388	0.0379	3.7900	0.6165
5	00:00:05	0.0387	0.0378	3.7800	0.6167
6	00:00:06	0.0386	0.0377	3.7700	0.6168
7	00:00:12	0.0384	0.0375	3.7500	0.6172
8	00:00:15	0.0383	0.0374	3.7400	0.6173
9	00:00:30	0.0379	0.0370	3.7000	0.6180
10	00:01:00	0.0375	0.0366	3.6600	0.6187
11	00:02:00	0.0371	0.0362	3.6200	0.6194
12	00:04:00	0.0366	0.0357	3.5700	0.6202
13	00:08:00	0.0362	0.0353	3.5300	0.6209
14	00:10:00	0.0361	0.0352	3.5200	0.6210
15	00:15:00	0.0359	0.0350	3.5000	0.6214
16	00:30:00	0.0356	0.0347	3.4700	0.6219
17	01:00:00	0.0353	0.0344	3.4400	0.6224
18	01:51:10	0.0359	0.0350	3.5000	0.6214

**Tested By:**

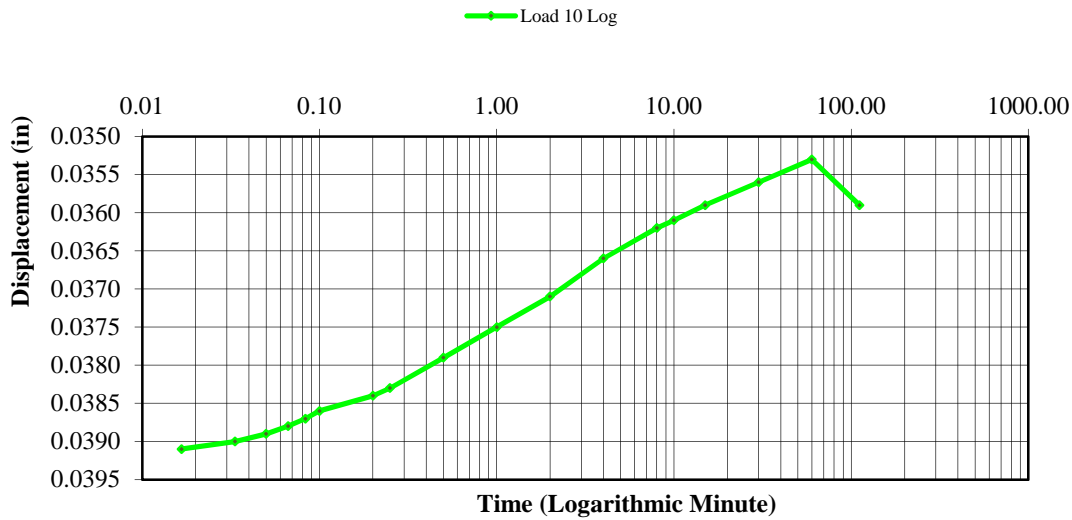
**Checked By:**

**Consolidation Test Results**  
**(Sequence 10) Rebound 0.500 tsf**

**Consolidation Graph (Square-root Time)**



**Consolidation Graph (Logarithmic Time)**



**Consolidation Test Results**  
**(Sequence 11) Load 1.000 tsf**

**Project:** ST-1 (B-4137) **Project Number:** 33489.1.1  
**Location:** Harnett Co. Sta. 21+00  
**Job Number:** T-4937 ST-1 **Test Date:**  
**Test Number:**  
**Sample Number:** ST-1 (B-4137) **Soil Description:**  
**Boring Number:**  
**Depth:** 1.5-3.5ft **Remarks:**  
**Sample Type:** Undisturbed Red Tan Clay Solid Height 0.5958 inches Est. Blows/ft= 4

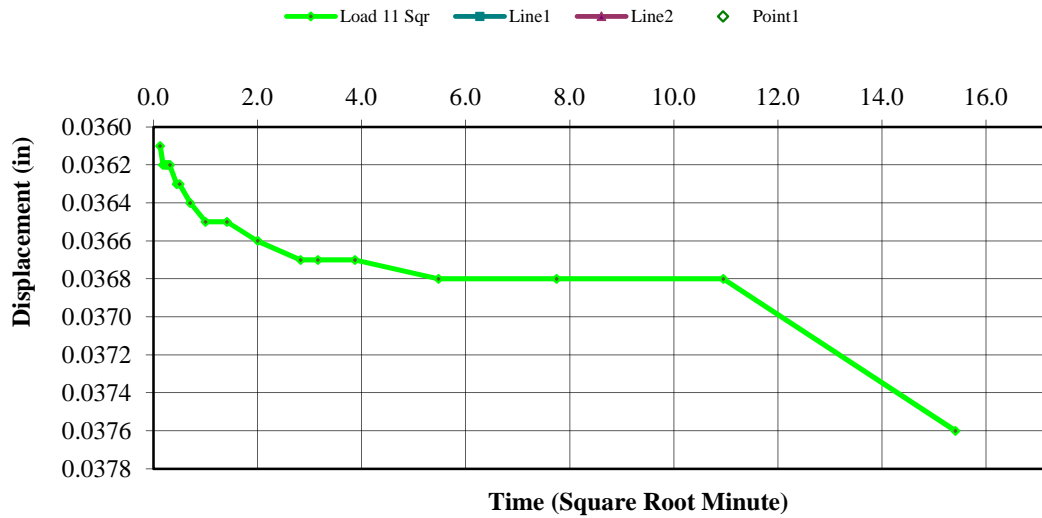
Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.0359	0.0350	3.5000	0.6214
1	00:00:01	0.0361	0.0352	3.5200	0.6210
2	00:00:02	0.0362	0.0353	3.5300	0.6209
3	00:00:03	0.0362	0.0353	3.5300	0.6209
4	00:00:04	0.0362	0.0353	3.5300	0.6209
5	00:00:05	0.0362	0.0353	3.5300	0.6209
6	00:00:06	0.0362	0.0353	3.5300	0.6209
7	00:00:12	0.0363	0.0354	3.5400	0.6207
8	00:00:15	0.0363	0.0354	3.5400	0.6207
9	00:00:30	0.0364	0.0355	3.5500	0.6205
10	00:01:00	0.0365	0.0356	3.5600	0.6204
11	00:02:00	0.0365	0.0356	3.5600	0.6204
12	00:04:00	0.0366	0.0357	3.5700	0.6202
13	00:08:00	0.0367	0.0358	3.5800	0.6200
14	00:10:00	0.0367	0.0358	3.5800	0.6200
15	00:15:00	0.0367	0.0358	3.5800	0.6200
16	00:30:01	0.0368	0.0359	3.5900	0.6199
17	01:00:01	0.0368	0.0359	3.5900	0.6199
18	02:00:03	0.0368	0.0359	3.5900	0.6199
19	03:57:39	0.0376	0.0367	3.6700	0.6185

**Tested By:**

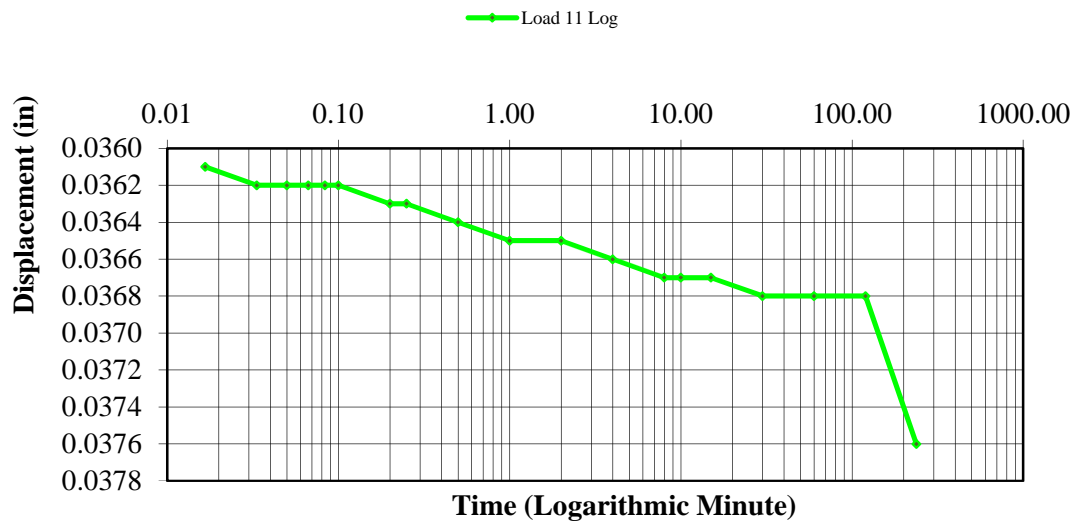
**Checked By:**

## Consolidation Test Results (Sequence 11) Load 1.000 tsf

### Consolidation Graph (Square-root Time)



### Consolidation Graph (Logarithmic Time)



**Consolidation Test Results**  
**(Sequence 12) Load 2.000 tsf**

**Project:** ST-1 (B-4137) **Project Number:** 33489.1.1  
**Location:** Harnett Co. Sta. 21+00  
**Job Number:** T-4937 ST-1 **Test Date:**  
**Test Number:**  
**Sample Number:** ST-1 (B-4137) **Soil Description:**  
**Boring Number:**  
**Depth:** 1.5-3.5ft **Remarks:**  
**Sample Type:** Undisturbed Red Tan Clay Solid Height 0.5958 inches Est. Blows/ft= 4

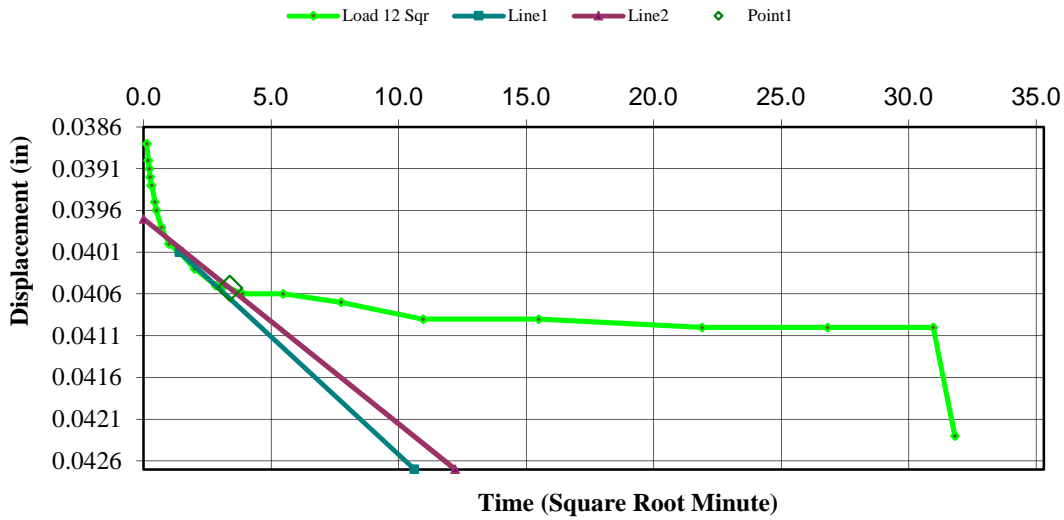
Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.0376	0.0367	3.6700	0.6185
1	00:00:01	0.0388	0.0375	3.7500	0.6172
2	00:00:02	0.0390	0.0377	3.7700	0.6168
3	00:00:03	0.0391	0.0378	3.7800	0.6167
4	00:00:04	0.0392	0.0379	3.7900	0.6165
5	00:00:05	0.0393	0.0380	3.8000	0.6163
6	00:00:06	0.0393	0.0380	3.8000	0.6163
7	00:00:12	0.0395	0.0382	3.8200	0.6160
8	00:00:15	0.0396	0.0383	3.8300	0.6158
9	00:00:30	0.0398	0.0385	3.8500	0.6155
10	00:01:00	0.0400	0.0387	3.8700	0.6152
11	00:02:00	0.0401	0.0388	3.8800	0.6150
12	00:04:00	0.0403	0.0390	3.9000	0.6147
13	00:08:01	0.0405	0.0392	3.9200	0.6143
14	00:10:01	0.0405	0.0392	3.9200	0.6143
15	00:15:01	0.0406	0.0393	3.9300	0.6141
16	00:30:01	0.0406	0.0393	3.9300	0.6141
17	01:00:02	0.0407	0.0394	3.9400	0.6140
18	02:00:03	0.0409	0.0396	3.9600	0.6136
19	04:00:06	0.0409	0.0396	3.9600	0.6136
20	07:59:53	0.0410	0.0397	3.9700	0.6135
21	11:59:16	0.0410	0.0397	3.9700	0.6135
22	15:58:39	0.0410	0.0397	3.9700	0.6135
23	16:52:06	0.0423	0.0410	4.1000	0.6113

**Tested By:**

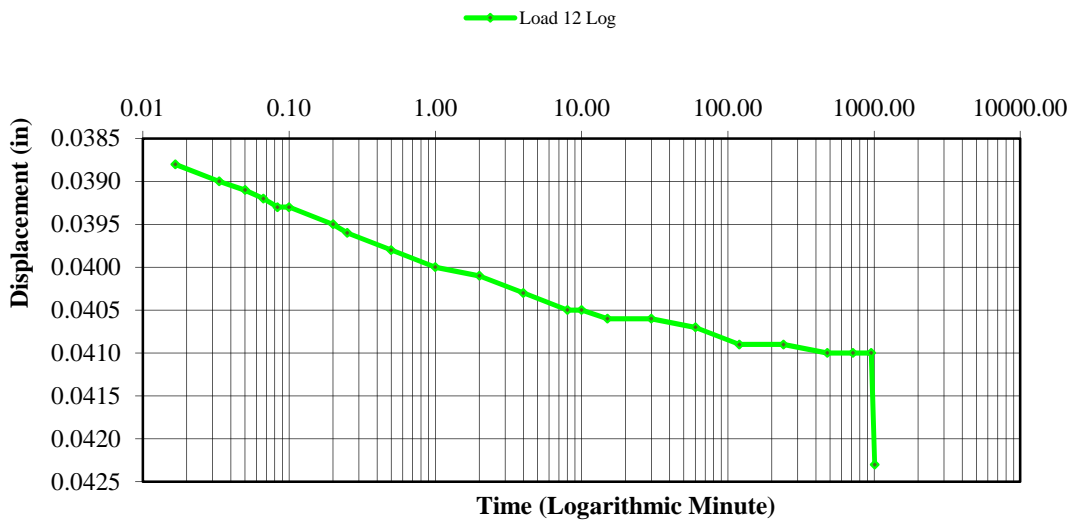
**Checked By:**

**Consolidation Test Results**  
**(Sequence 12) Load 2.000 tsf**

**Consolidation Graph (Square-root Time)**



**Consolidation Graph (Logarithmic Time)**





**Consolidation Test Results**  
**(Sequence 13) Load 4.000 tsf**

**Project:** ST-1 (B-4137) **Project Number:** 33489.1.1  
**Location:** Harnett Co. Sta. 21+00  
**Job Number:** T-4937 ST-1 **Test Date:**  
**Test Number:**  
**Sample Number:** ST-1 (B-4137) **Soil Description:**  
**Boring Number:**  
**Depth:** 1.5-3.5ft **Remarks:**  
**Sample Type:** Undisturbed Red Tan Clay Solid Height 0.5958 inches Est. Blows/ft= 4

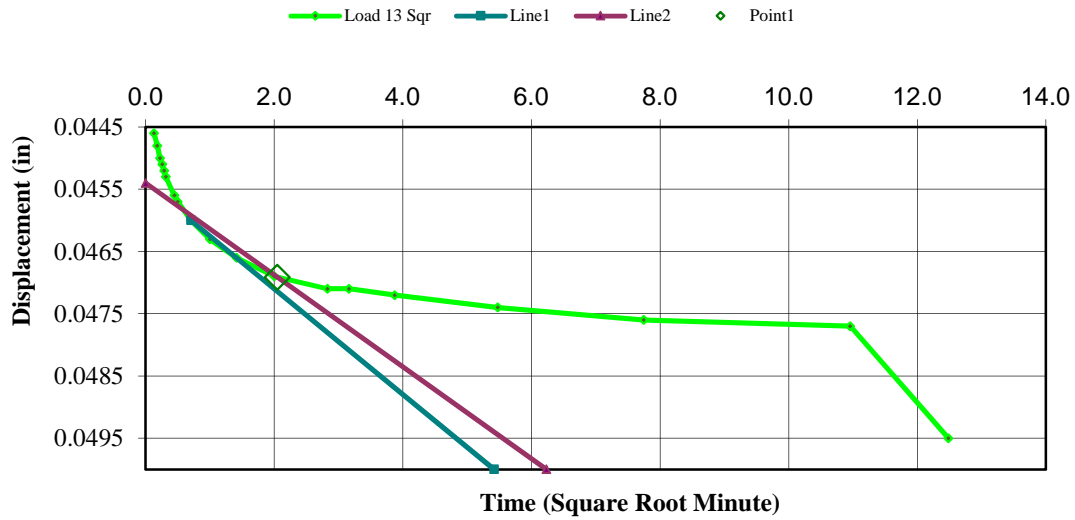
Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.0423	0.0410	4.1000	0.6113
1	00:00:01	0.0446	0.0427	4.2700	0.6084
2	00:00:02	0.0448	0.0429	4.2900	0.6081
3	00:00:03	0.0450	0.0431	4.3100	0.6078
4	00:00:04	0.0451	0.0432	4.3200	0.6076
5	00:00:05	0.0452	0.0433	4.3300	0.6074
6	00:00:06	0.0453	0.0434	4.3400	0.6073
7	00:00:12	0.0456	0.0437	4.3700	0.6068
8	00:00:15	0.0457	0.0438	4.3800	0.6066
9	00:00:30	0.0460	0.0441	4.4100	0.6061
10	00:01:00	0.0463	0.0444	4.4400	0.6056
11	00:02:00	0.0466	0.0447	4.4700	0.6051
12	00:04:00	0.0469	0.0450	4.5000	0.6046
13	00:08:00	0.0471	0.0452	4.5200	0.6042
14	00:10:00	0.0471	0.0452	4.5200	0.6042
15	00:15:01	0.0472	0.0453	4.5300	0.6041
16	00:30:01	0.0474	0.0455	4.5500	0.6037
17	01:00:02	0.0476	0.0457	4.5700	0.6034
18	02:00:03	0.0477	0.0458	4.5800	0.6032
19	02:35:54	0.0495	0.0476	4.7600	0.6002

**Tested By:**

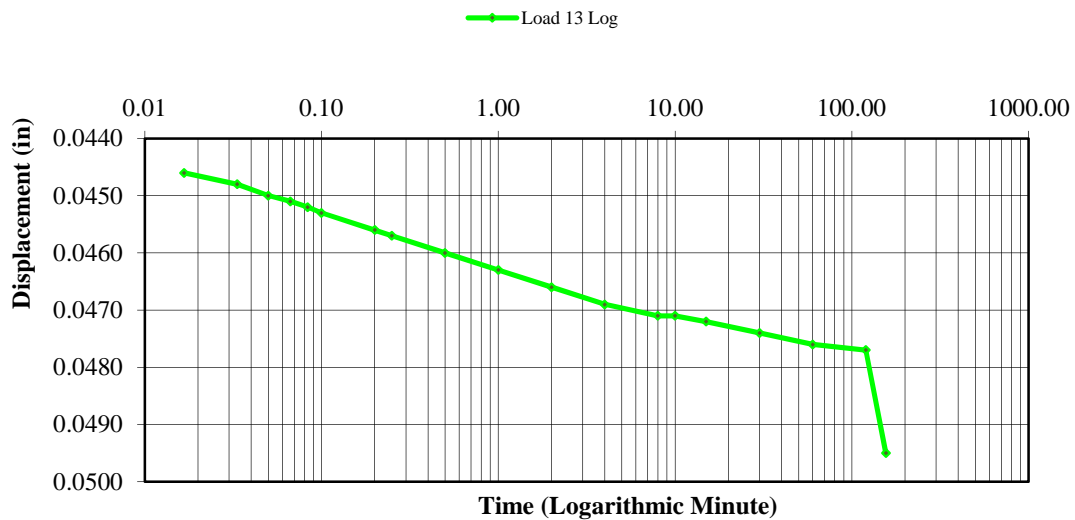
**Checked By:**

## Consolidation Test Results (Sequence 13) Load 4.000 tsf

### Consolidation Graph (Square-root Time)



### Consolidation Graph (Logarithmic Time)



**Consolidation Test Results**  
**(Sequence 14) Load 8.000 tsf**

**Project:** ST-1 (B-4137)

**Project Number:** 33489.1.1

**Location:** Harnett Co. Sta. 21+00

**Job Number:** T-4937 ST-1

**Test Date:**

**Test Number:**

**Sample Number:** ST-1 (B-4137) **Soil Description:**

**Boring Number:**

**Depth:** 1.5-3.5ft

**Remarks:**

**Sample Type:** Undisturbed **Red Tan Clay Solid Height 0.5958 inches Est. Blows/ft= 4**

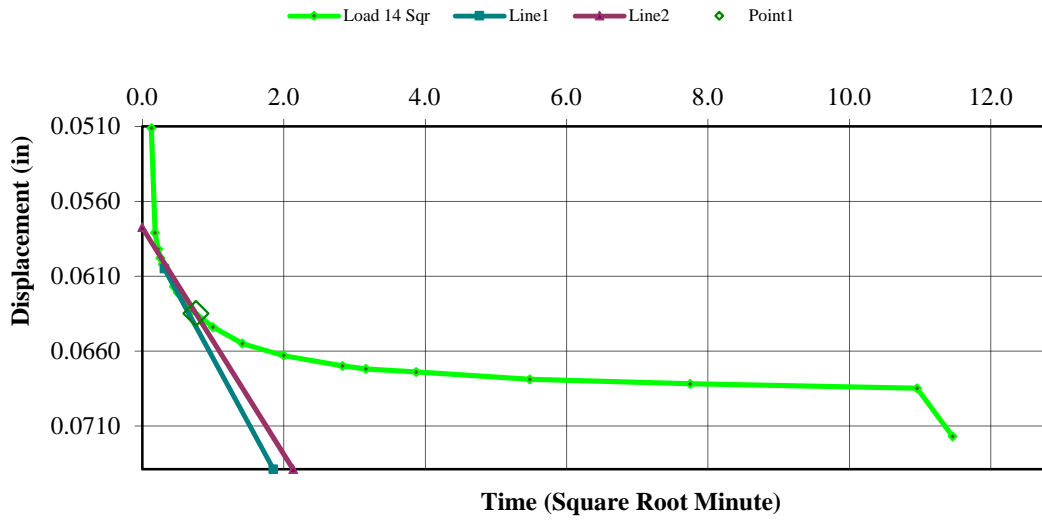
Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.0495	0.0476	4.7600	0.6002
1	00:00:01	0.0511	0.0478	4.7800	0.5999
2	00:00:02	0.0581	0.0548	5.4800	0.5881
3	00:00:03	0.0592	0.0559	5.5900	0.5863
4	00:00:04	0.0598	0.0565	5.6500	0.5853
5	00:00:05	0.0602	0.0569	5.6900	0.5846
6	00:00:06	0.0605	0.0572	5.7200	0.5841
7	00:00:12	0.0617	0.0584	5.8400	0.5821
8	00:00:15	0.0621	0.0588	5.8800	0.5814
9	00:00:30	0.0633	0.0600	6.0000	0.5794
10	00:01:00	0.0644	0.0611	6.1100	0.5775
11	00:02:00	0.0655	0.0622	6.2200	0.5757
12	00:04:00	0.0663	0.0630	6.3000	0.5743
13	00:08:01	0.0670	0.0637	6.3700	0.5732
14	00:10:01	0.0672	0.0639	6.3900	0.5728
15	00:15:01	0.0674	0.0641	6.4100	0.5725
16	00:30:01	0.0679	0.0646	6.4600	0.5716
17	01:00:02	0.0682	0.0649	6.4900	0.5711
18	02:00:03	0.0685	0.0652	6.5200	0.5706
19	02:11:21	0.0717	0.0684	6.8400	0.5653

**Tested By:**

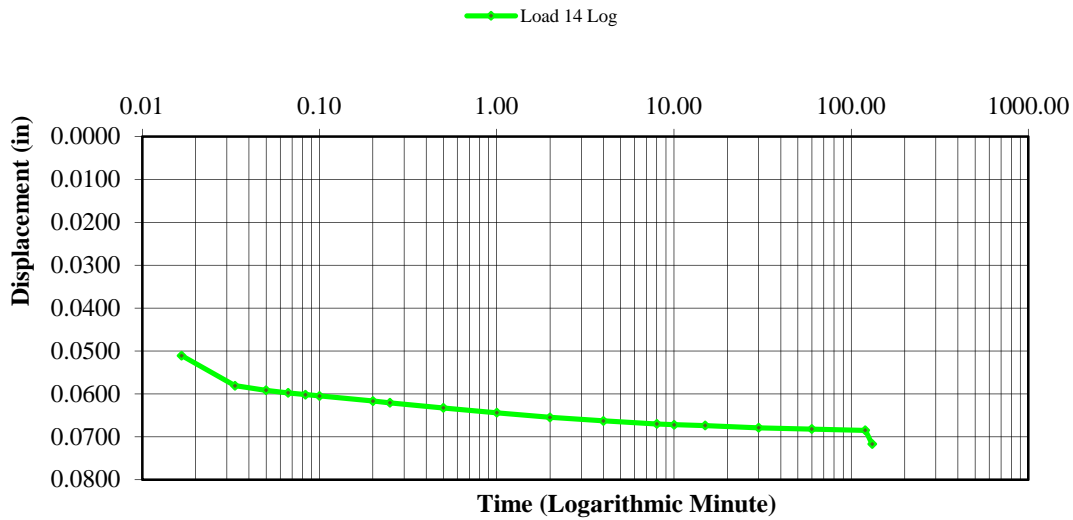
**Checked By:**

## Consolidation Test Results (Sequence 14) Load 8.000 tsf

### Consolidation Graph (Squareroot Time)



### Consolidation Graph (Logarithmic Time)



**Consolidation Test Results**  
(Sequence 15) Load 16.000 tsf

**Project:** ST-1 (B-4137) **Project Number:** 33489.1.1  
**Location:** Harnett Co. Sta. 21+00  
**Job Number:** T-4937 ST-1 **Test Date:**  
**Test Number:**  
**Sample Number:** ST-1 (B-4137) **Soil Description:**  
**Boring Number:**  
**Depth:** 1.5-3.5ft **Remarks:**  
**Sample Type:** Undisturbed Red Tan Clay Solid Height 0.5958 inches Est. Blows/ft= 4

Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.0717	0.0684	6.8400	0.5653
1	00:00:01	0.0814	0.0763	7.6300	0.5520
2	00:00:02	0.0833	0.0782	7.8200	0.5488
3	00:00:03	0.0842	0.0791	7.9100	0.5473
4	00:00:04	0.0849	0.0798	7.9800	0.5461
5	00:00:05	0.0855	0.0804	8.0400	0.5451
6	00:00:06	0.0859	0.0808	8.0800	0.5444
7	00:00:12	0.0877	0.0826	8.2600	0.5414
8	00:00:15	0.0883	0.0832	8.3200	0.5404
9	00:00:30	0.0904	0.0853	8.5300	0.5369
10	00:01:00	0.0925	0.0874	8.7400	0.5333
11	00:02:00	0.0944	0.0893	8.9300	0.5301
12	00:04:00	0.0960	0.0909	9.0900	0.5275
13	00:08:00	0.0971	0.0920	9.2000	0.5256
14	00:10:00	0.0974	0.0923	9.2300	0.5251
15	00:15:01	0.0979	0.0928	9.2800	0.5243
16	00:30:01	0.0985	0.0934	9.3400	0.5233
17	01:00:02	0.0990	0.0939	9.3900	0.5224
18	02:00:03	0.0994	0.0943	9.4300	0.5217
19	04:00:06	0.1000	0.0949	9.4900	0.5207
20	08:00:12	0.1005	0.0954	9.5400	0.5199
21	12:00:18	0.1007	0.0956	9.5600	0.5196
22	16:00:24	0.1008	0.0957	9.5700	0.5194
23	20:00:30	0.1009	0.0958	9.5800	0.5192
24	24:00:35	0.1009	0.0958	9.5800	0.5192
25	28:00:41	0.1010	0.0959	9.5900	0.5191
26	32:00:08	0.1010	0.0959	9.5900	0.5191
27	35:59:30	0.1010	0.0959	9.5900	0.5191
28	39:58:53	0.1010	0.0959	9.5900	0.5191
29	43:58:15	0.1010	0.0959	9.5900	0.5191
30	47:57:38	0.1010	0.0959	9.5900	0.5191
31	51:57:00	0.1010	0.0959	9.5900	0.5191
32	55:56:22	0.1010	0.0959	9.5900	0.5191
33	59:55:45	0.1010	0.0959	9.5900	0.5191
34	63:55:07	0.1010	0.0959	9.5900	0.5191
35	67:54:30	0.1010	0.0959	9.5900	0.5191

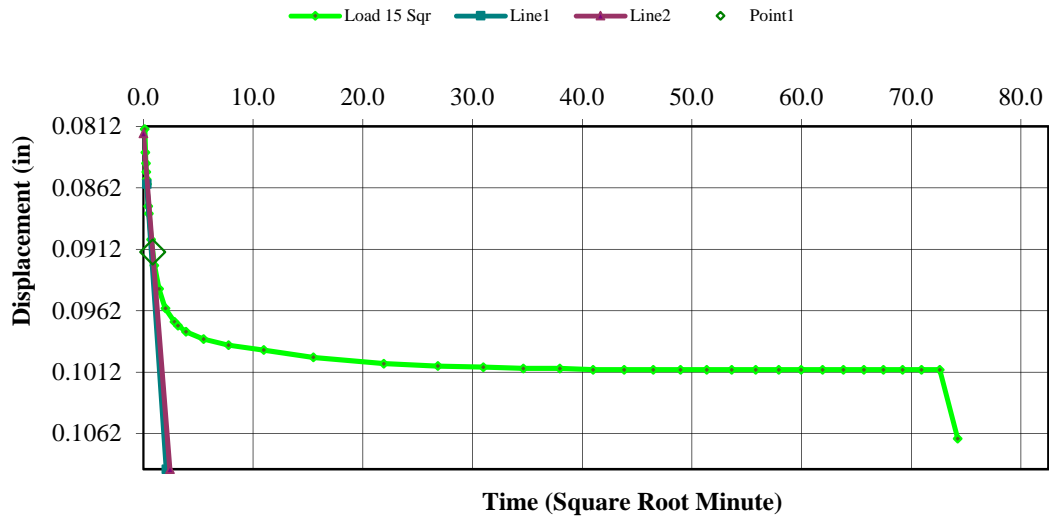
36	71:53:52	0.1010	0.0959	9.5900	0.5191
37	75:53:14	0.1010	0.0959	9.5900	0.5191
38	79:52:37	0.1010	0.0959	9.5900	0.5191
39	83:51:59	0.1010	0.0959	9.5900	0.5191
40	87:51:22	0.1010	0.0959	9.5900	0.5191
41	91:50:44	0.1066	0.1015	10.1500	0.5096

**Tested By:**

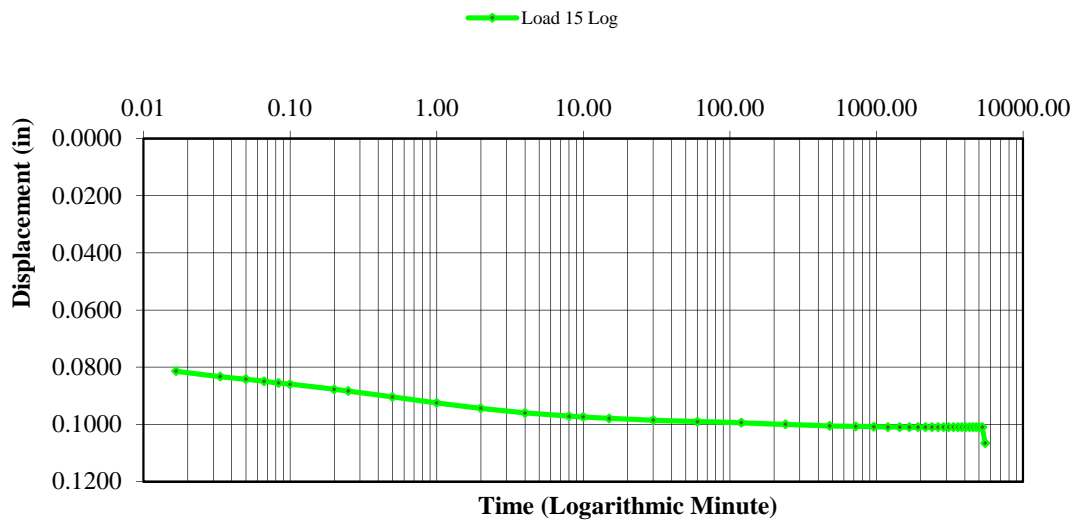
**Checked By:**

## Consolidation Test Results (Sequence 15) Load 16.000 tsf

### Consolidation Graph (Square Root Time)



### Consolidation Graph (Logarithmic Time)



**Consolidation Test Results**  
**(Sequence 16) Rebound 4.000 tsf**

**Project:** ST-1 (B-4137)

**Project Number:** 33489.1.1

**Location:** Harnett Co. Sta. 21+00

**Job Number:** T-4937 ST-1

**Test Date:**

**Test Number:**

**Sample Number:** ST-1 (B-4137) **Soil Description:**

**Boring Number:**

**Depth:** 1.5-3.5ft

**Remarks:**

**Sample Type:** Undisturbed **Red Tan Clay Solid Height 0.5958 inches Est. Blows/ft= 4**

Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.1066	0.1015	10.1500	0.5096
1	00:00:01	0.1009	0.0983	9.8300	0.5150
2	00:00:02	0.1006	0.0980	9.8000	0.5155
3	00:00:03	0.1006	0.0980	9.8000	0.5155
4	00:00:04	0.1006	0.0980	9.8000	0.5155
5	00:00:05	0.1006	0.0980	9.8000	0.5155
6	00:00:06	0.0972	0.0946	9.4600	0.5212
7	00:00:12	0.0962	0.0936	9.3600	0.5229
8	00:00:15	0.0959	0.0933	9.3300	0.5234
9	00:00:30	0.0954	0.0928	9.2800	0.5243
10	00:01:00	0.0949	0.0923	9.2300	0.5251
11	00:02:00	0.0944	0.0918	9.1800	0.5259
12	00:04:00	0.0940	0.0914	9.1400	0.5266
13	00:08:00	0.0936	0.0910	9.1000	0.5273
14	00:10:00	0.0936	0.0910	9.1000	0.5273
15	00:15:00	0.0934	0.0908	9.0800	0.5276
16	00:30:00	0.0933	0.0907	9.0700	0.5278
17	01:00:01	0.0931	0.0905	9.0500	0.5281
18	02:00:02	0.0929	0.0903	9.0300	0.5285
19	04:00:05	0.0928	0.0902	9.0200	0.5286
20	08:00:11	0.0928	0.0902	9.0200	0.5286
21	12:00:17	0.0927	0.0901	9.0100	0.5288
22	14:35:33	0.0952	0.0926	9.2600	0.5246

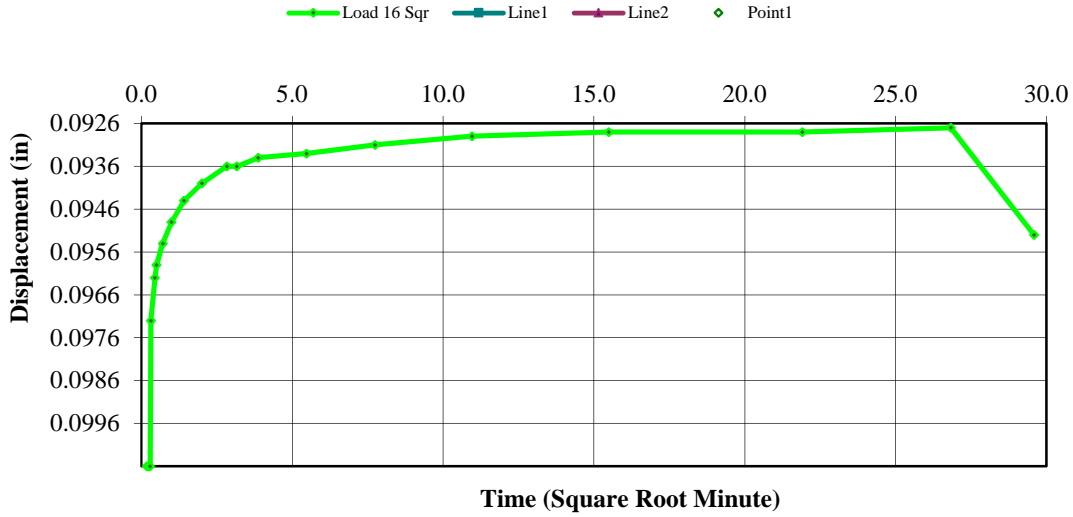
**Tested By:**

**Checked By:**

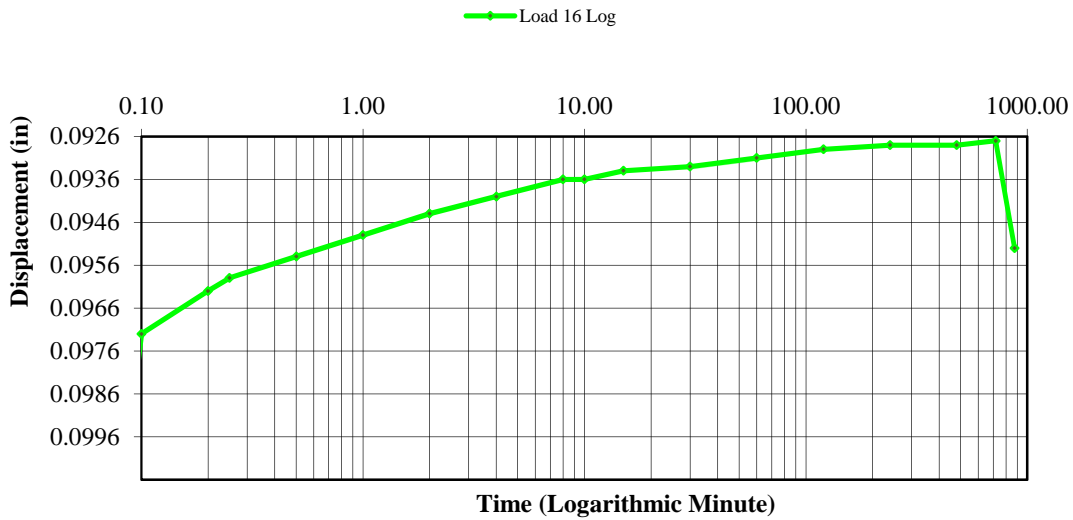


**Consolidation Test Results**  
**(Sequence 16) Rebound 4.000 tsf**

**Consolidation Graph (Square-root Time)**



**Consolidation Graph (Logarithmic Time)**



**Consolidation Test Results**  
**(Sequence 17) Rebound 0.010 tsf**

**Project:** ST-1 (B-4137) **Project Number:** 33489.1.1  
**Location:** Harnett Co. Sta. 21+00  
**Job Number:** T-4937 ST-1 **Test Date:**  
**Test Number:**  
**Sample Number:** ST-1 (B-4137) **Soil Description:**  
**Boring Number:**  
**Depth:** 1.5-3.5ft **Remarks:**  
**Sample Type:** Undisturbed Red Tan Clay Solid Height 0.5958 inches Est. Blows/ft= 4

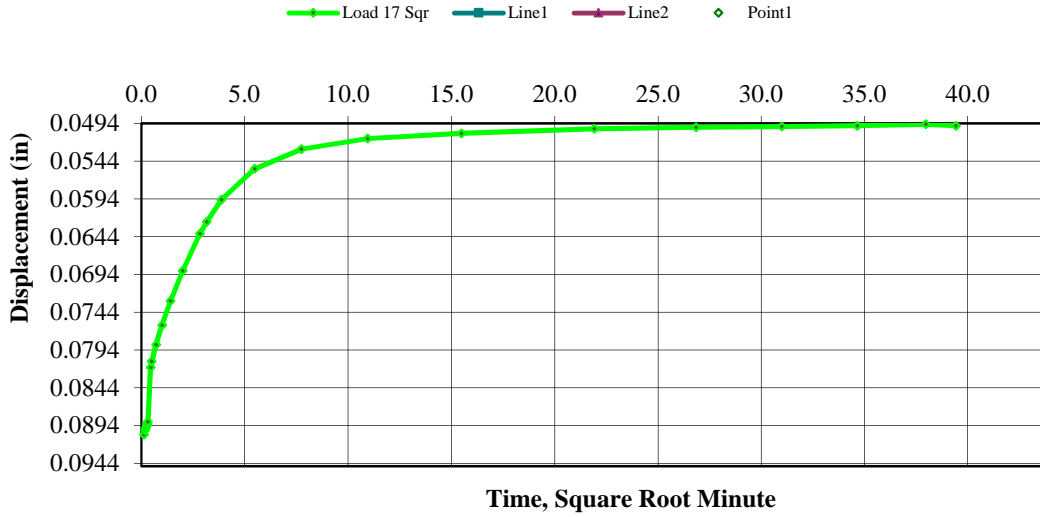
Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.0952	0.0926	9.2600	0.5246
1	00:00:01	0.0906	0.0903	9.0300	0.5285
2	00:00:02	0.0900	0.0897	8.9700	0.5295
3	00:00:03	0.0897	0.0894	8.9400	0.5300
4	00:00:04	0.0894	0.0891	8.9100	0.5305
5	00:00:05	0.0892	0.0889	8.8900	0.5308
6	00:00:06	0.0889	0.0886	8.8600	0.5313
7	00:00:12	0.0817	0.0814	8.1400	0.5434
8	00:00:15	0.0809	0.0806	8.0600	0.5448
9	00:00:30	0.0787	0.0784	7.8400	0.5485
10	00:01:00	0.0761	0.0758	7.5800	0.5528
11	00:02:00	0.0729	0.0726	7.2600	0.5582
12	00:04:00	0.0689	0.0686	6.8600	0.5649
13	00:08:00	0.0640	0.0637	6.3700	0.5732
14	00:10:00	0.0624	0.0621	6.2100	0.5758
15	00:15:00	0.0595	0.0592	5.9200	0.5807
16	00:30:01	0.0554	0.0551	5.5100	0.5876
17	01:00:03	0.0528	0.0525	5.2500	0.5920
18	02:00:07	0.0514	0.0511	5.1100	0.5943
19	04:00:13	0.0507	0.0504	5.0400	0.5955
20	08:00:27	0.0501	0.0498	4.9800	0.5965
21	12:00:41	0.0499	0.0496	4.9600	0.5968
22	16:00:54	0.0498	0.0495	4.9500	0.5970
23	20:01:08	0.0497	0.0494	4.9400	0.5972
24	24:01:22	0.0495	0.0492	4.9200	0.5975
25	25:54:55	0.0497	0.0494	4.9400	0.5972

**Tested By:**

**Checked By:**

**Consolidation Test Results**  
**(Sequence 17) Rebound 0.010 tsf**

**Consolidation Graph (Square-root Time)**



**Consolidation Graph (Logarithmic Time)**

