

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
GEOTECHNICAL ENGINEERING UNIT  
SUBSURFACE INVESTIGATION  
APPENDIX I  
CPT LOGS  
INVENTORY SECTION 5

REFERENCE: R-2582A

PROJECT: 34472

DS

/CB

INITIALS

3/11/2015

DATE

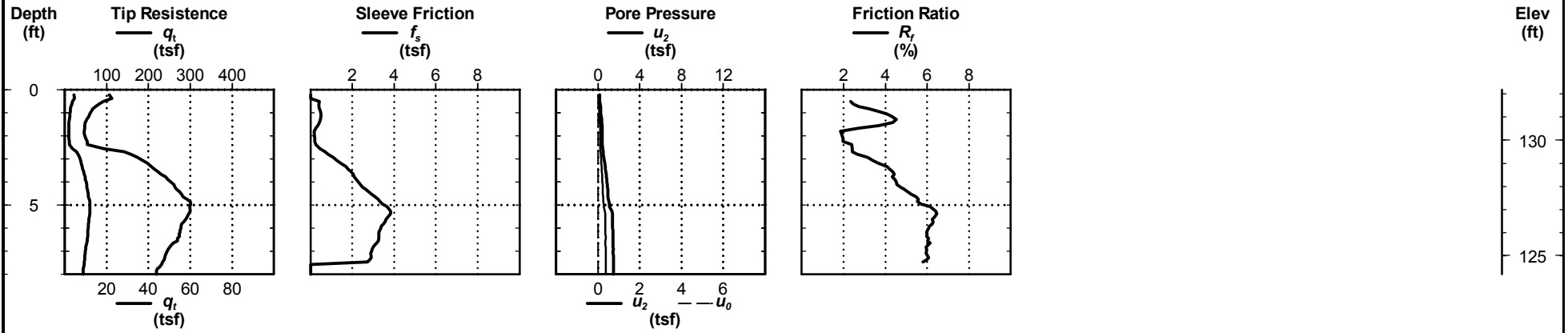


# Cone Penetration Test

C-1

Date: Apr. 9, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 8.0 ft  
 Termination Criteria: Target Depth  
 Cone Size:



C-1

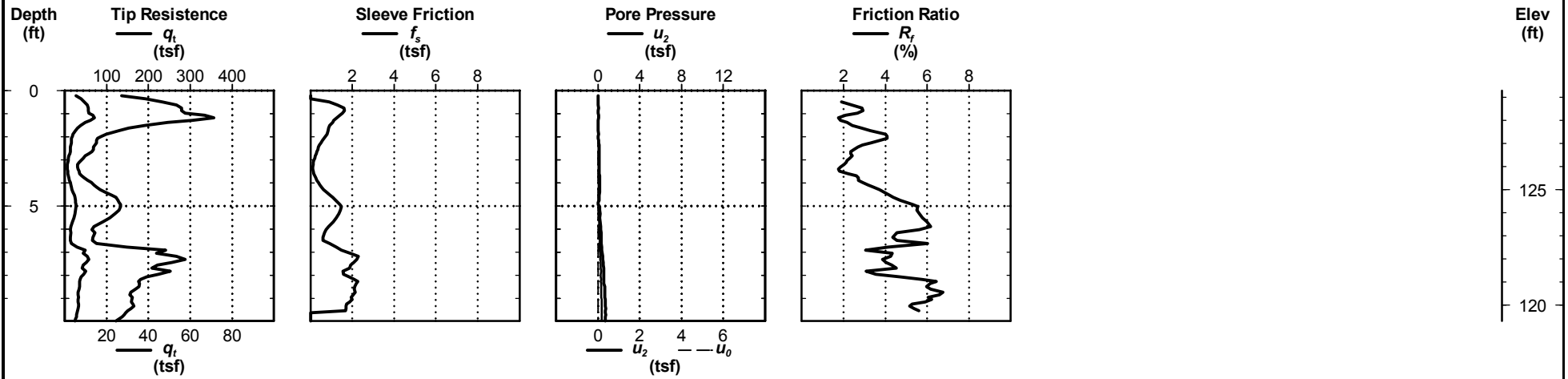


# Cone Penetration Test

C-2

Date: Apr. 9, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 10.0 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT V3.0.GDT 2/16/15

C-2

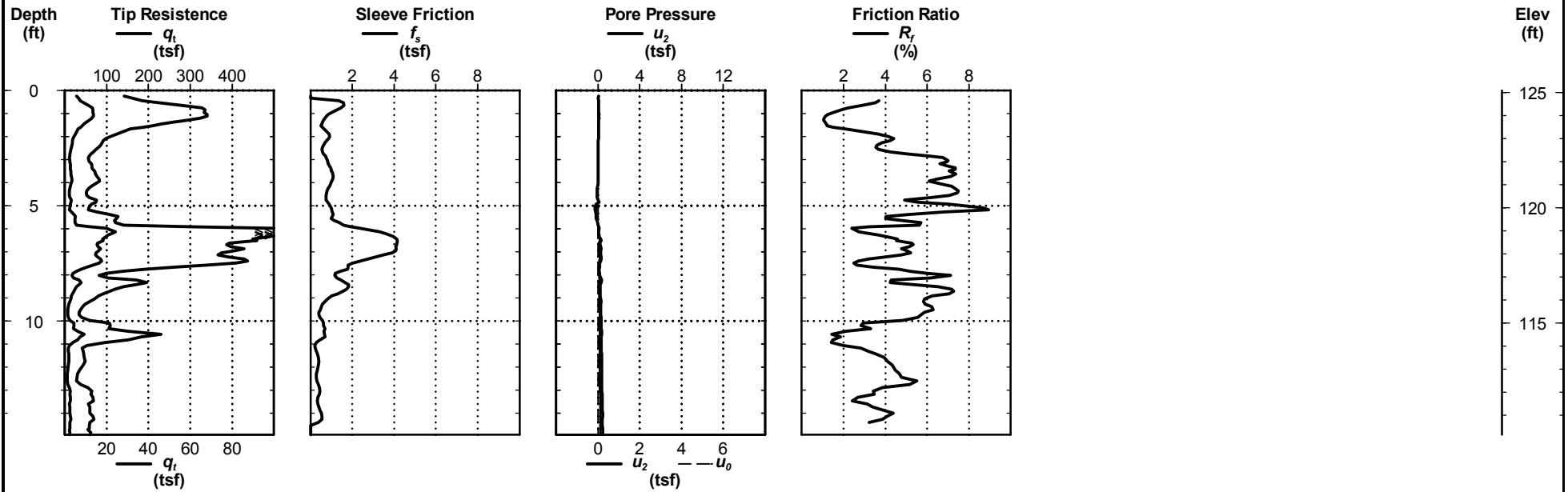


# Cone Penetration Test

**C-3**

Date: Apr. 9, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 15.0 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT\_V3.0.GDT 2/16/15

**C-3**

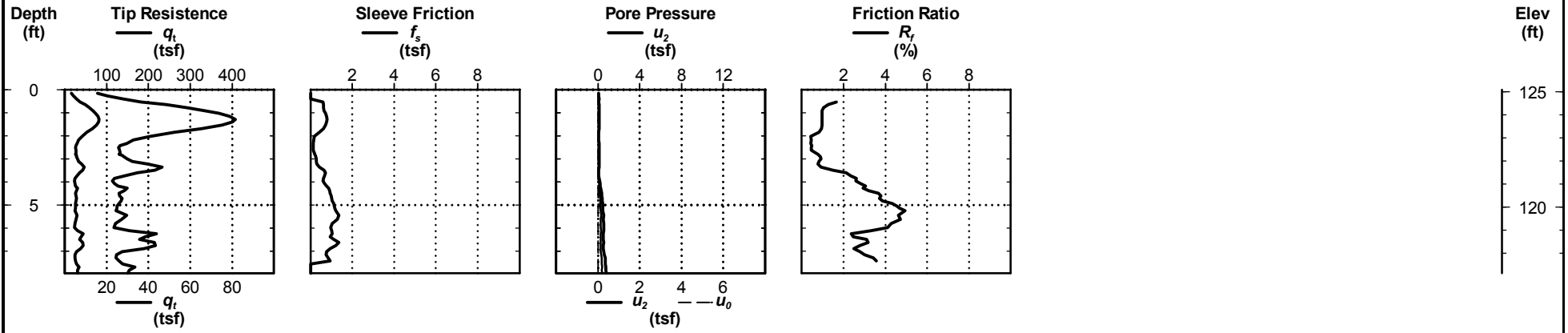


# Cone Penetration Test

**C-4**

Date: Apr. 9, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 8.0 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT V3.0.GDT 2/16/15

**C-4**

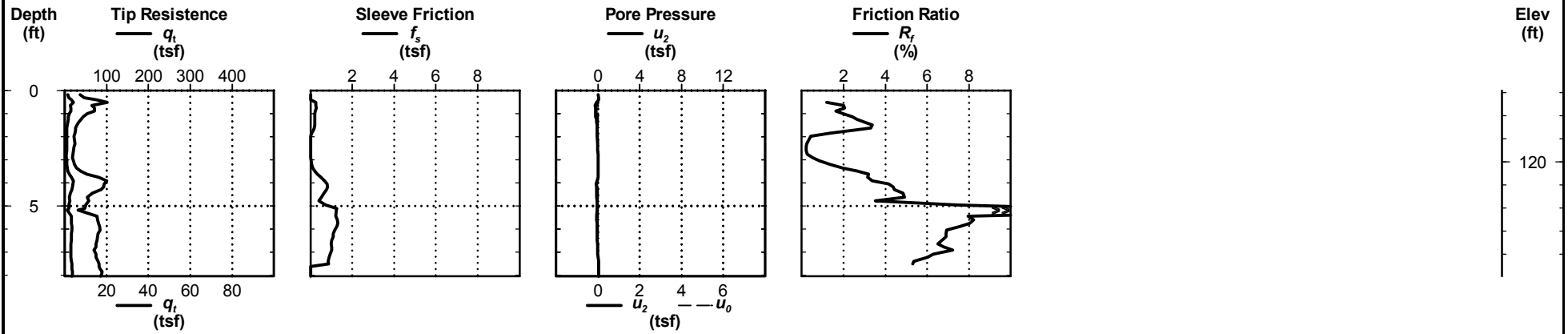


# Cone Penetration Test

**C-5**

Date: Apr. 9, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 8.1 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT V3.0.GDT 2/16/15

**C-5**

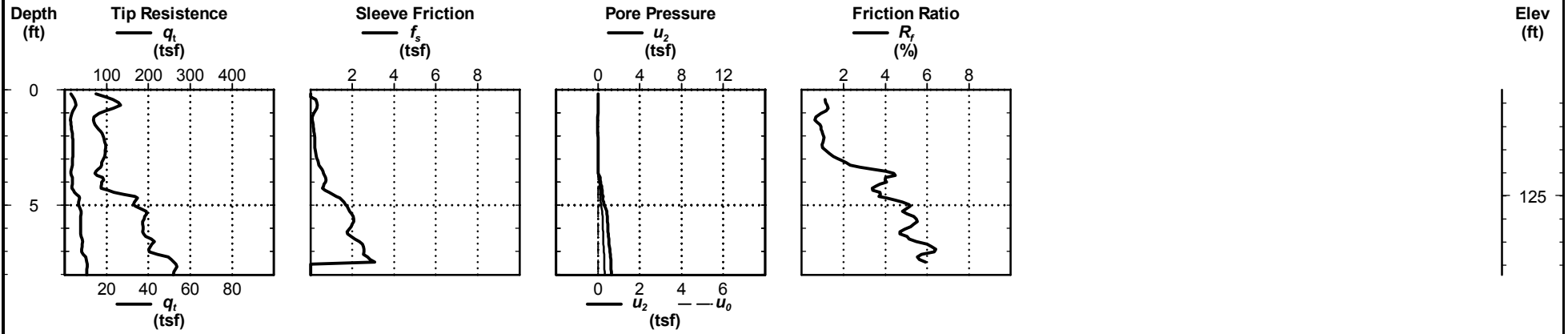


# Cone Penetration Test

**C-6**

Date: Apr. 9, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 8.0 ft  
 Termination Criteria: Target Depth  
 Cone Size:



**C-6**

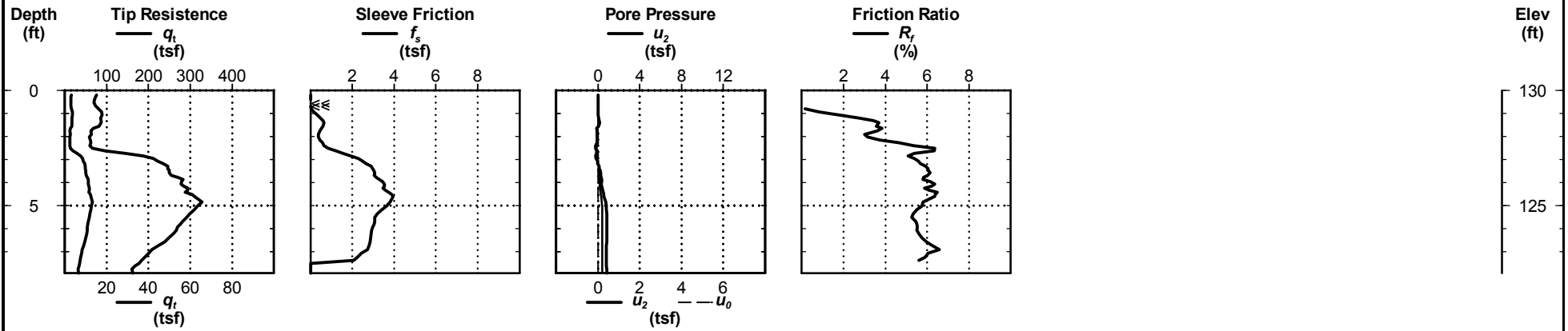


# Cone Penetration Test

**C-7**

Date: Apr. 9, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 7.9 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT\_V3.0.GDT 2/16/15

**C-7**



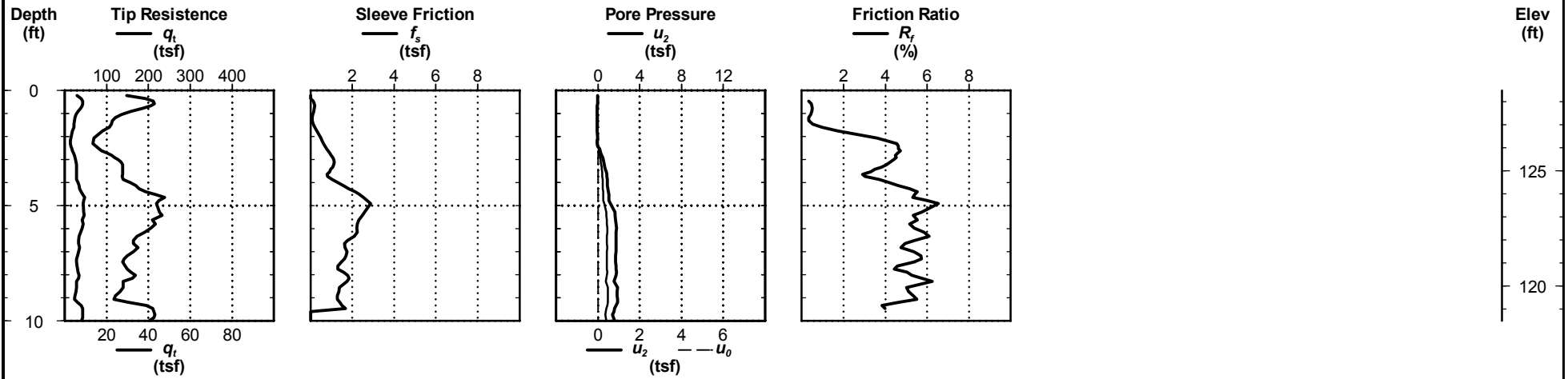


# Cone Penetration Test

C-8

Date: Apr. 9, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 10.0 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT\_V3.0.GDT 2/16/15

C-8

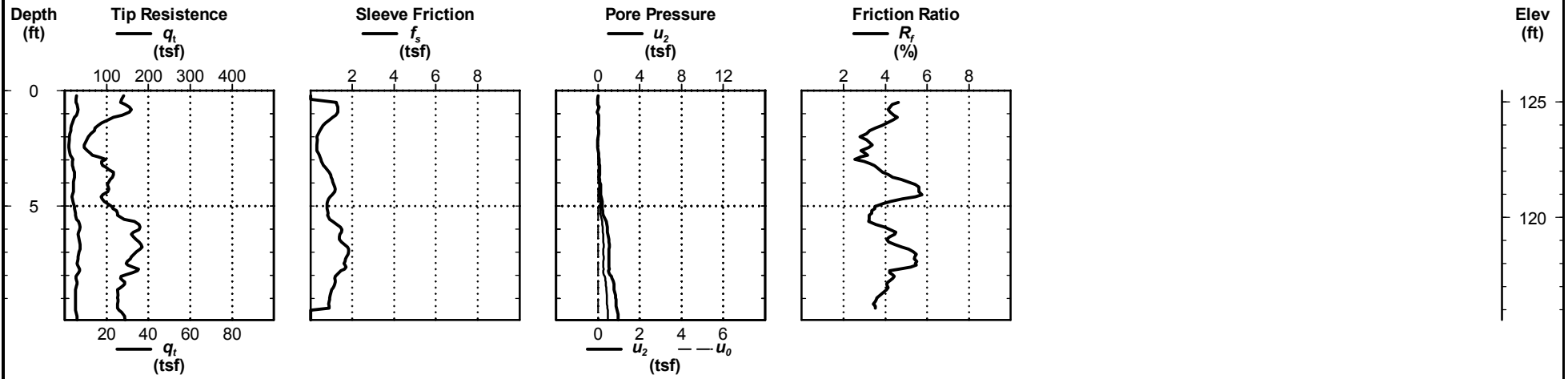


# Cone Penetration Test

**C-9**

Date: Apr. 9, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 10.0 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT\_V3.0.GDT 2/16/15

**C-9**

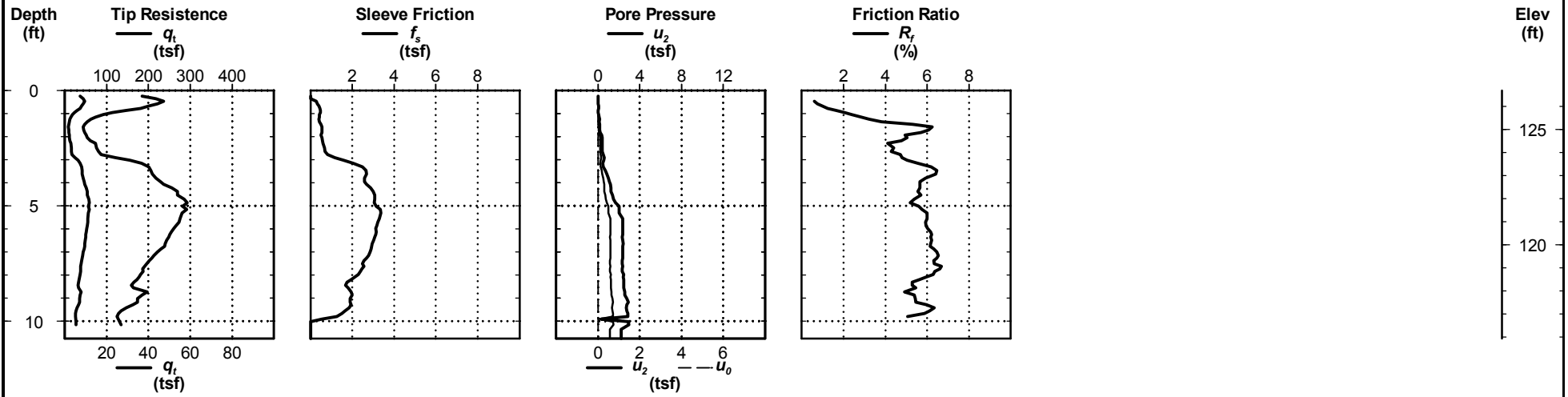


# Cone Penetration Test

**C-10**

Date: Apr. 9, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 10.8 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT\_V3.0.GDT 2/16/15

**C-10**

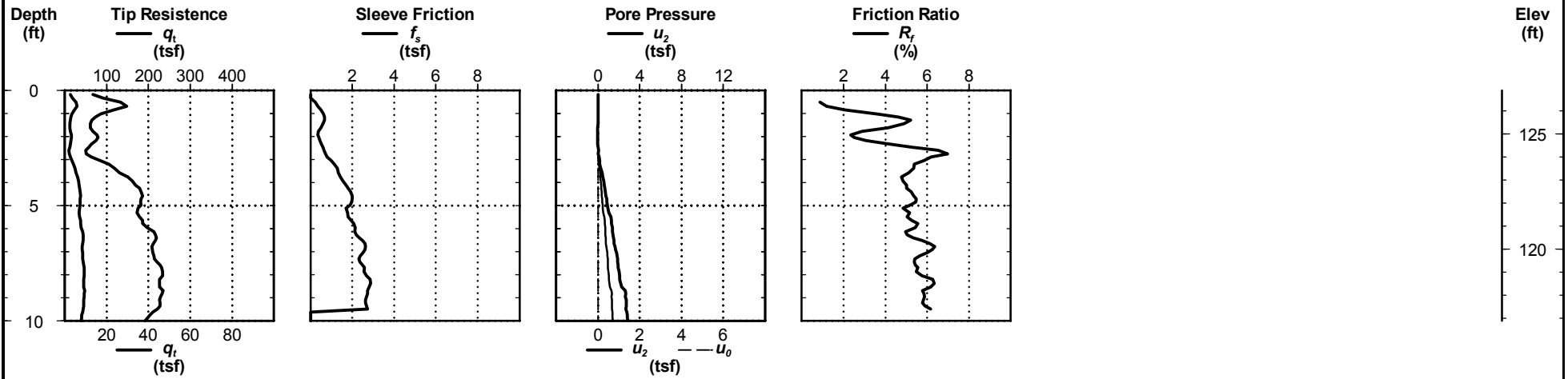


# Cone Penetration Test

**C-11**

Date: Apr. 9, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 10.0 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT\_V3.0.GDT 2/16/15

**C-11**

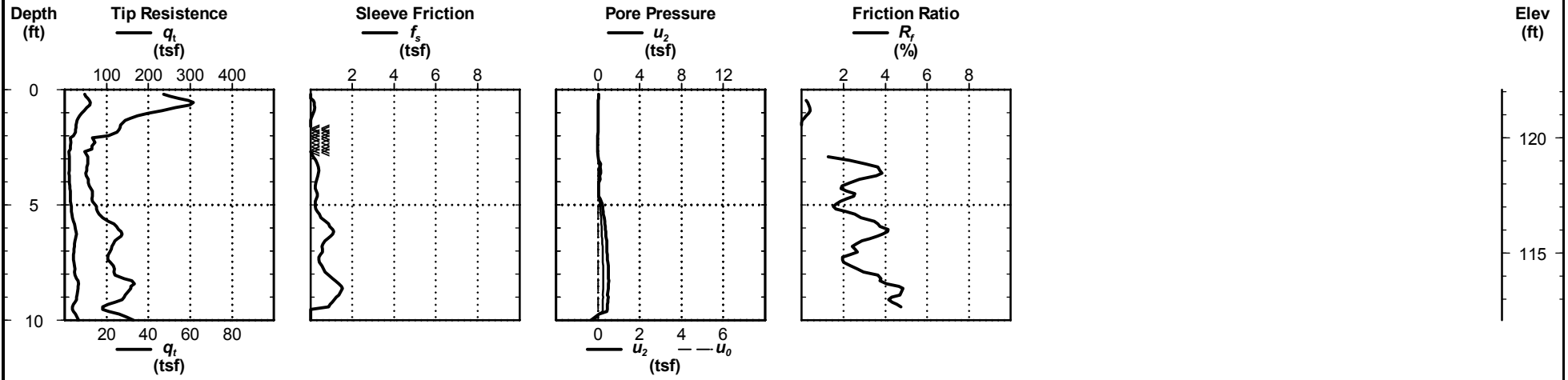


# Cone Penetration Test

# C-12

Date: Apr. 9, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 10.0 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT\_V3.0.GDT 2/16/15

# C-12

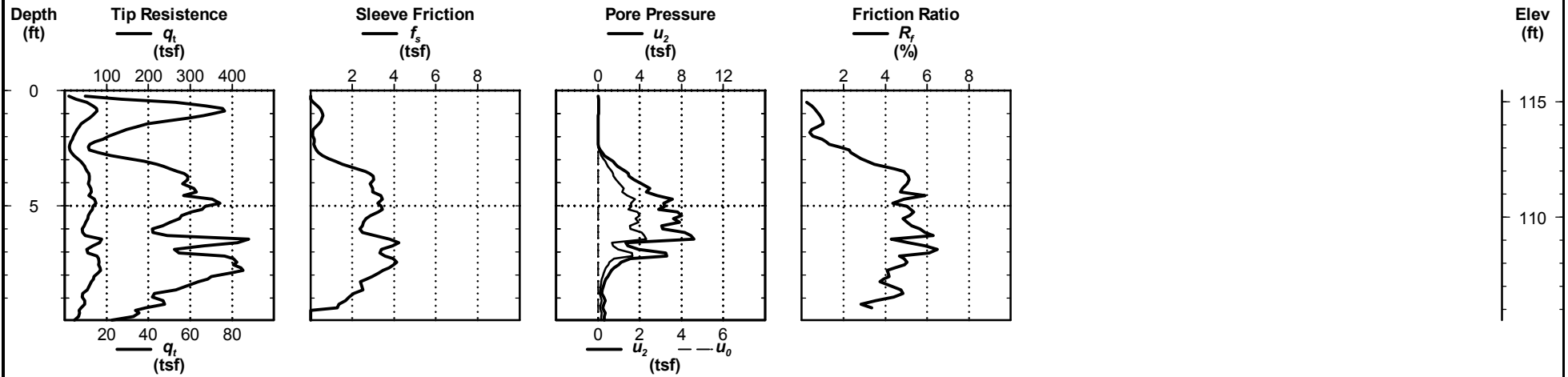


# Cone Penetration Test

**C-13**

Date: Apr. 9, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 10.0 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT\_V3.0.GDT 2/16/15

**C-13**

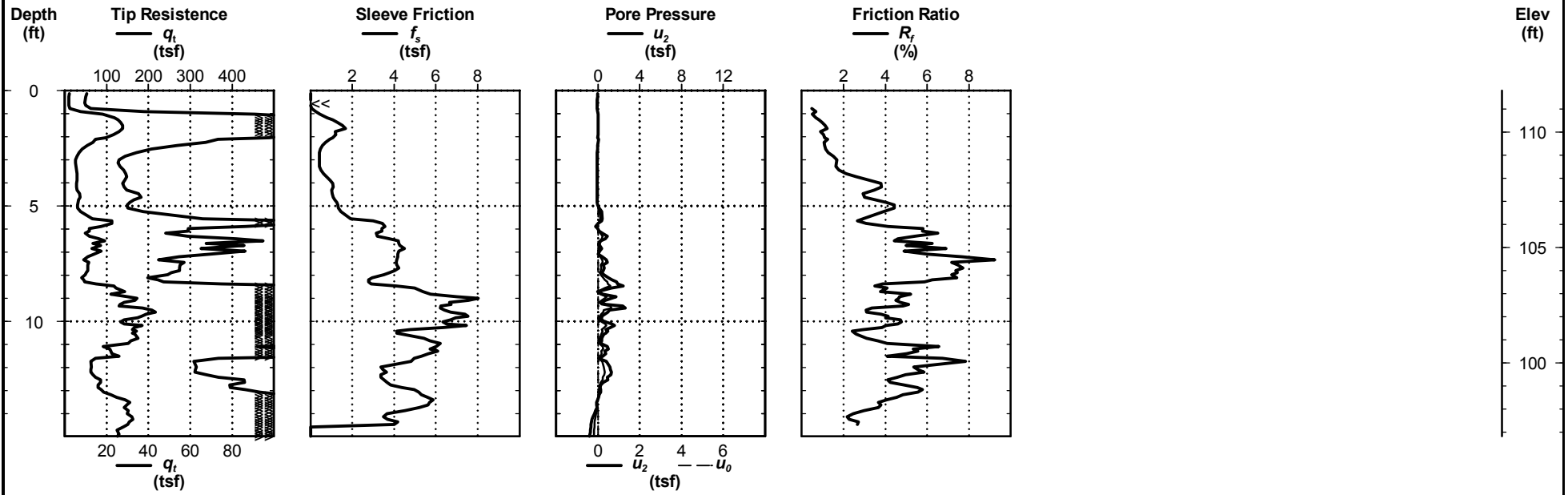


# Cone Penetration Test

# C-14

Date: Apr. 9, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 15.0 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT\_V3.0.GDT 2/16/15

# C-14

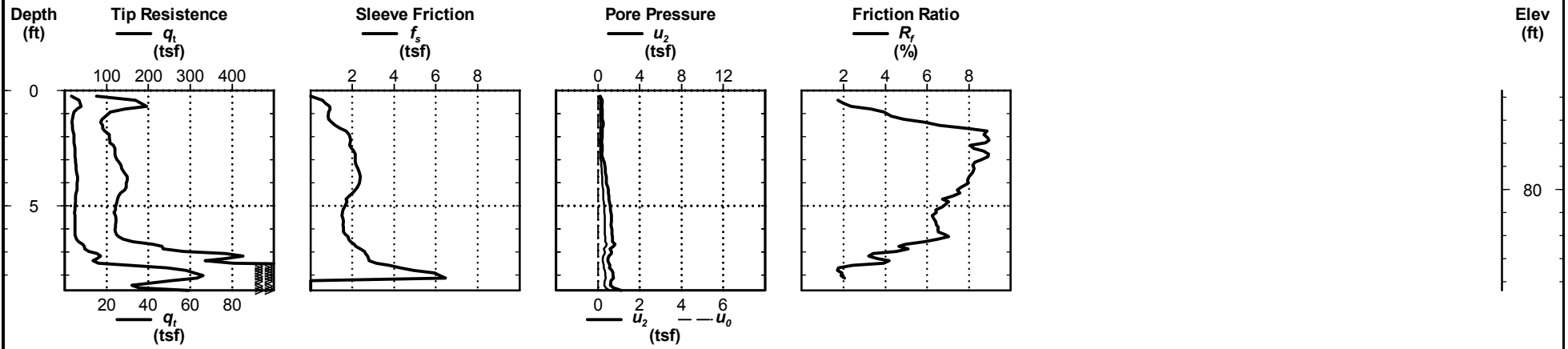


# Cone Penetration Test

**C-15**

Date: Apr. 8, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 8.7 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT\_V3.0.GDT 2/16/15

**C-15**



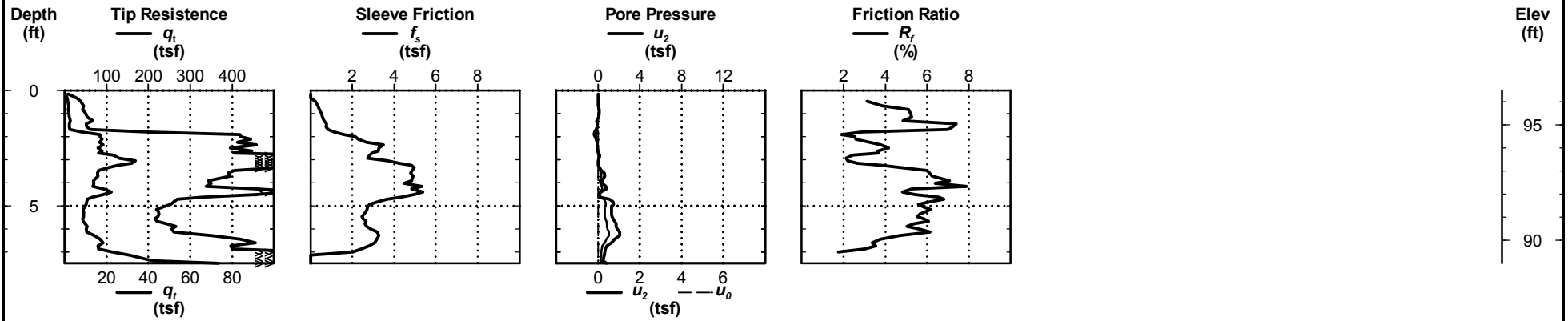


# Cone Penetration Test

**C-16**

Date: Apr. 9, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 7.5 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT\_V3.0.GDT 2/16/15

**C-16**

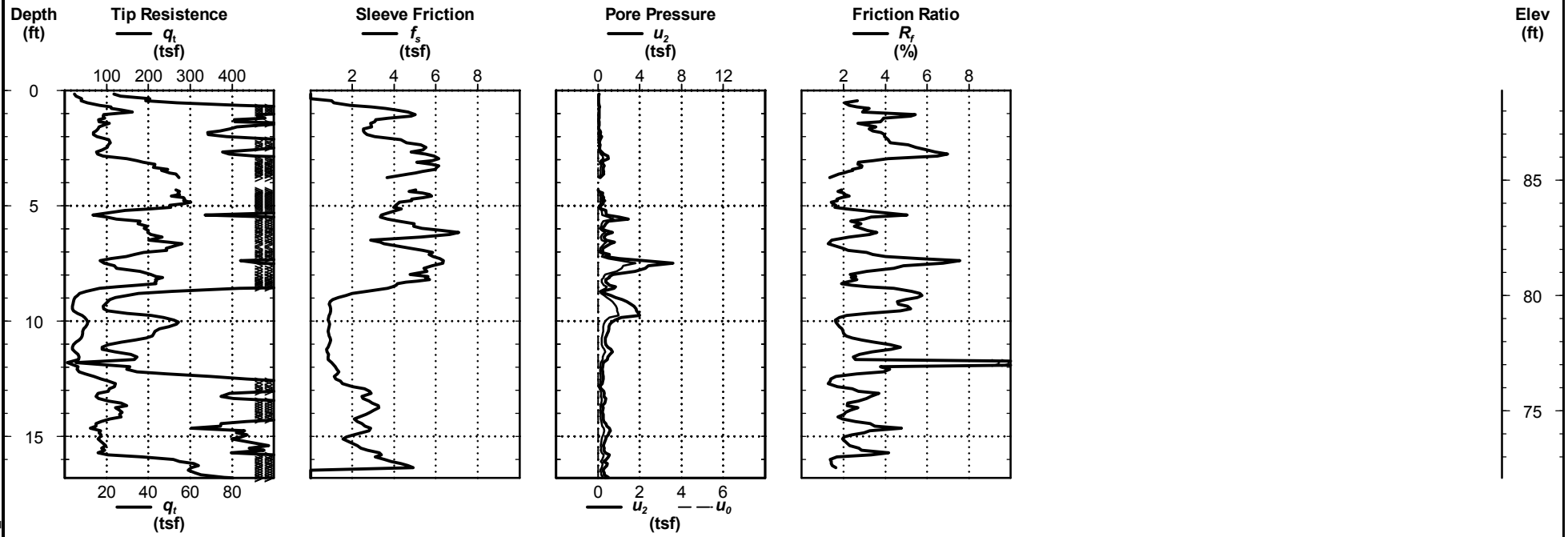


# Cone Penetration Test

**C-17**

Date: Apr. 8, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 16.8 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT V3.0.GDT 2/16/15

**C-17**

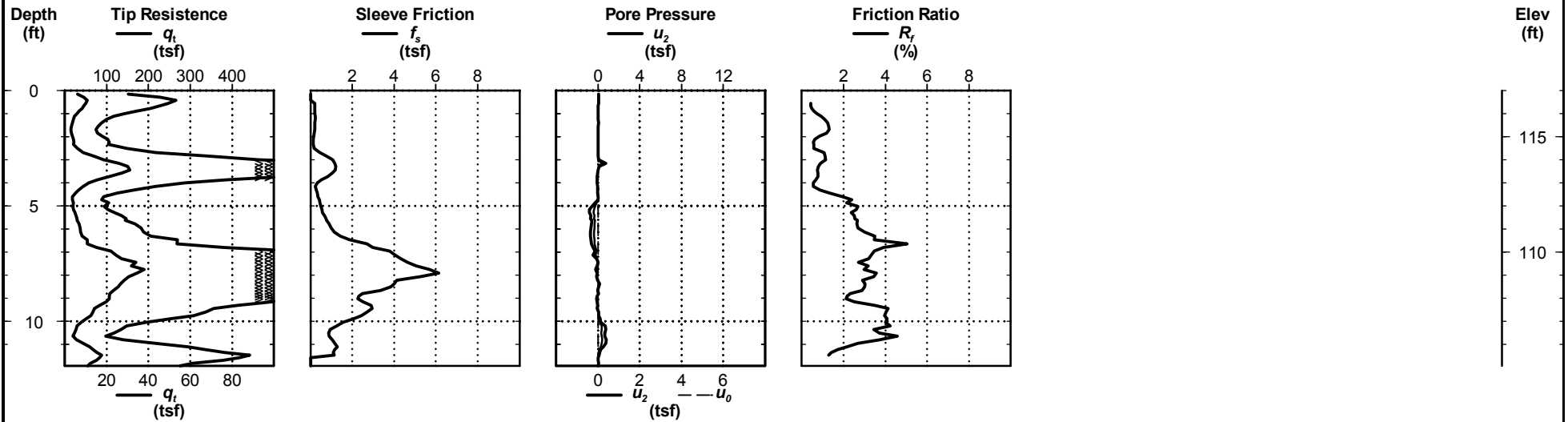


# Cone Penetration Test

**C-18**

Date: Apr. 9, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 12.0 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT\_V3.0.GDT 2/16/15

**C-18**

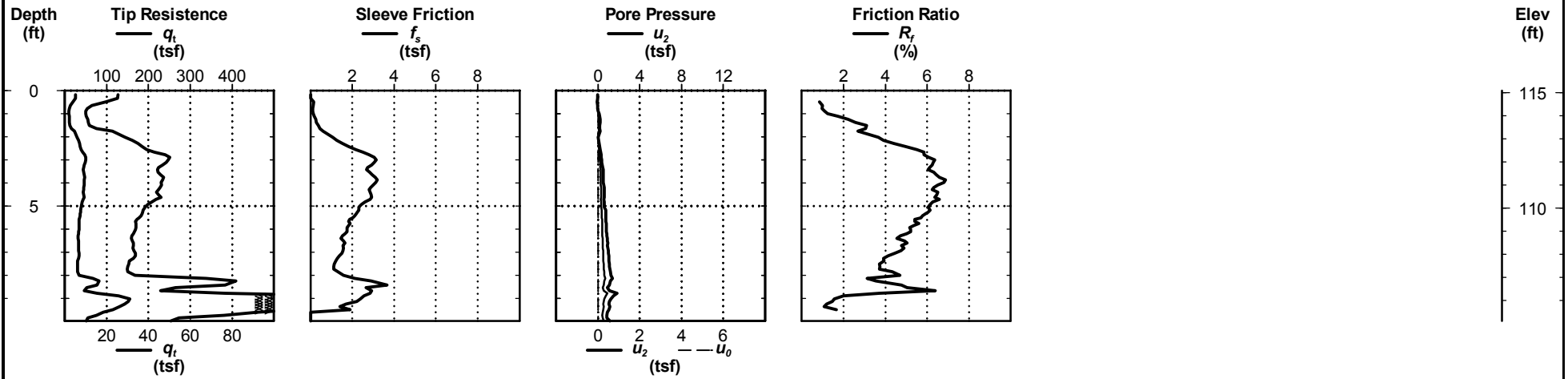


# Cone Penetration Test

**C-19**

Date: Apr. 8, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 10.0 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT\_V3.0.GDT 2/16/15

**C-19**

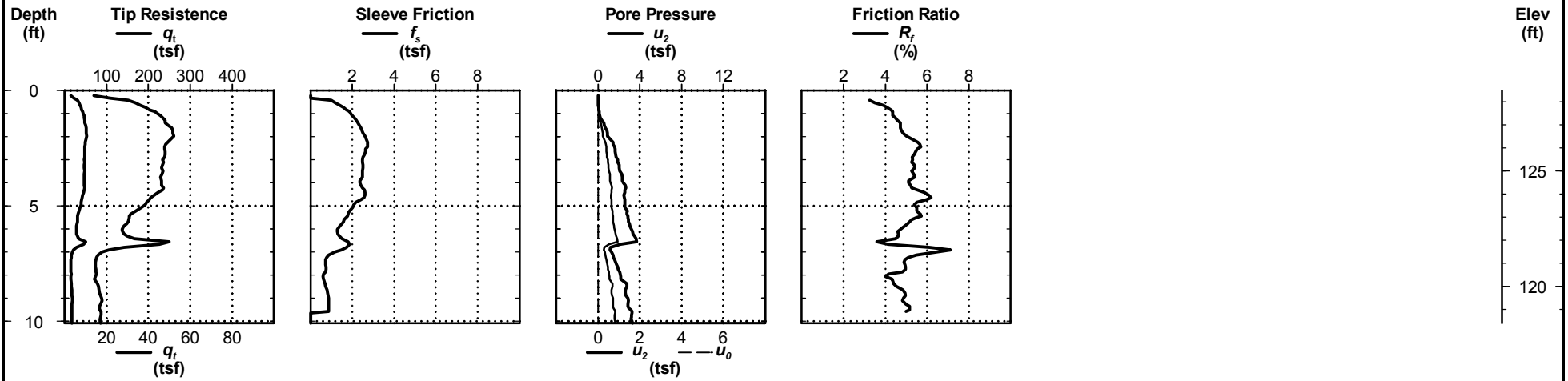


# Cone Penetration Test

**C-20**

Date: Apr. 8, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 10.1 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT\_V3.0.GDT 2/16/15

**C-20**

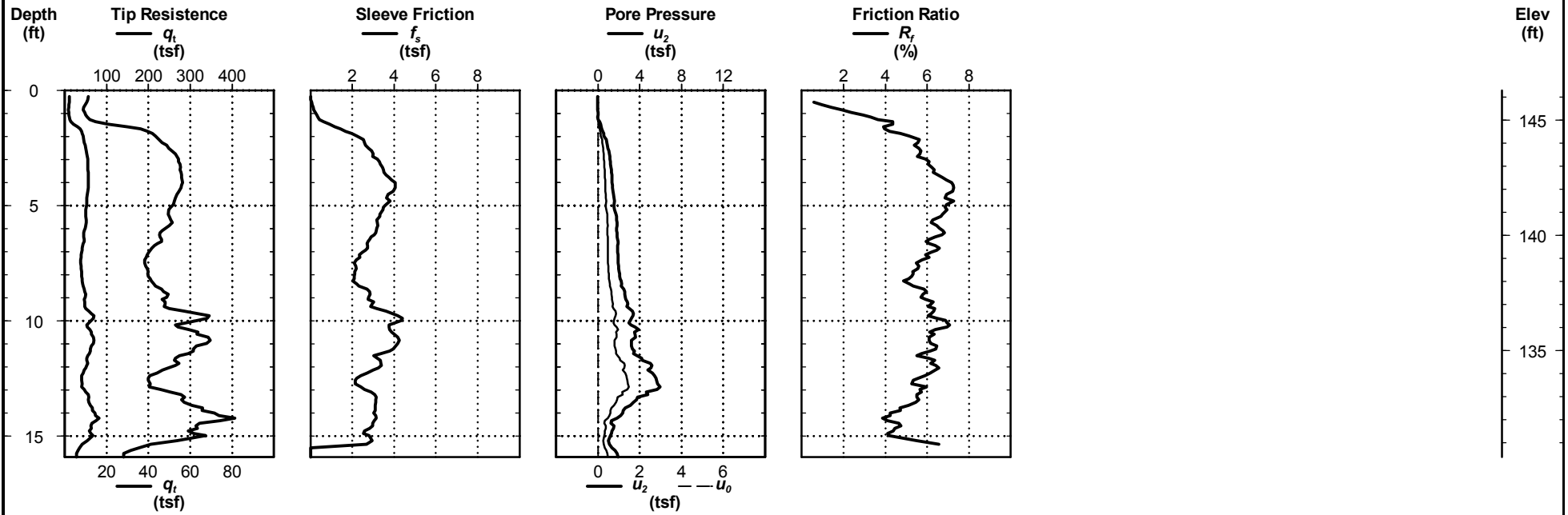


# Cone Penetration Test

**C-21**

Date: Apr. 8, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 15.9 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT\_V3.0.GDT 2/16/15

**C-21**

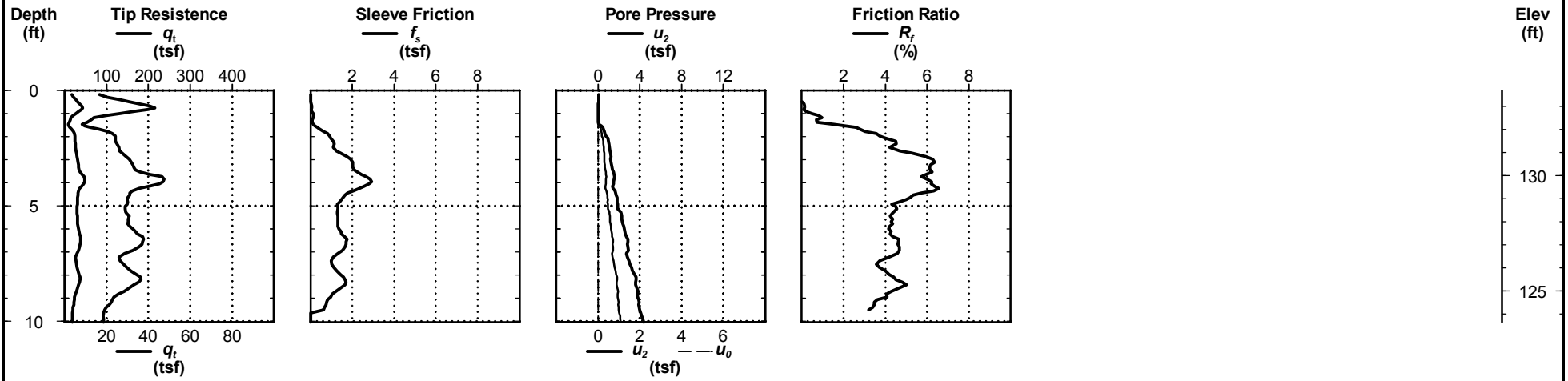


# Cone Penetration Test

**C-22**

Date: Apr. 8, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 10.1 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT V3.0.GDT 2/16/15

**C-22**

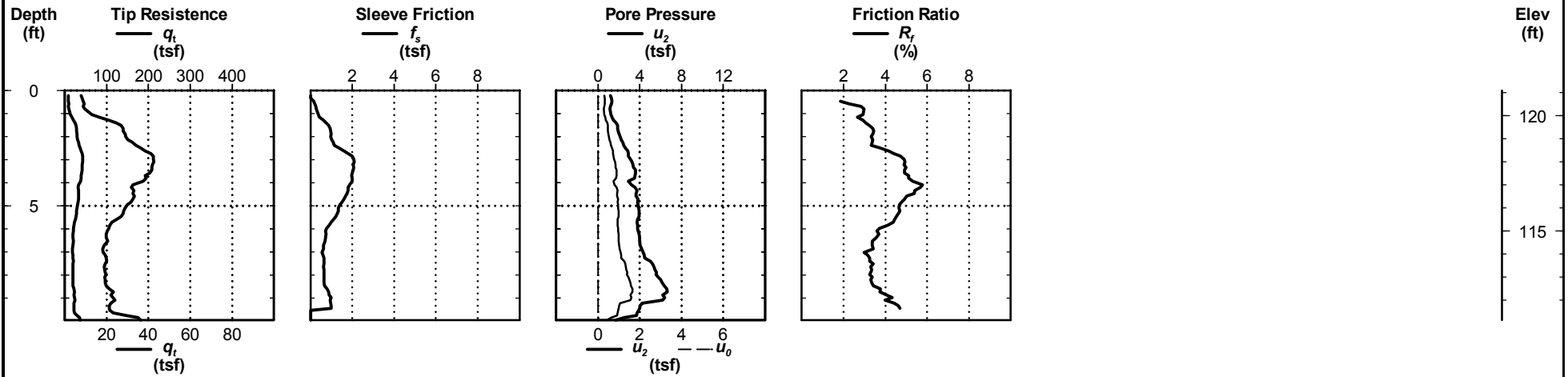


# Cone Penetration Test

**C-23**

Date: Apr. 8, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 10.0 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT\_V3.0.GDT 2/16/15

**C-23**



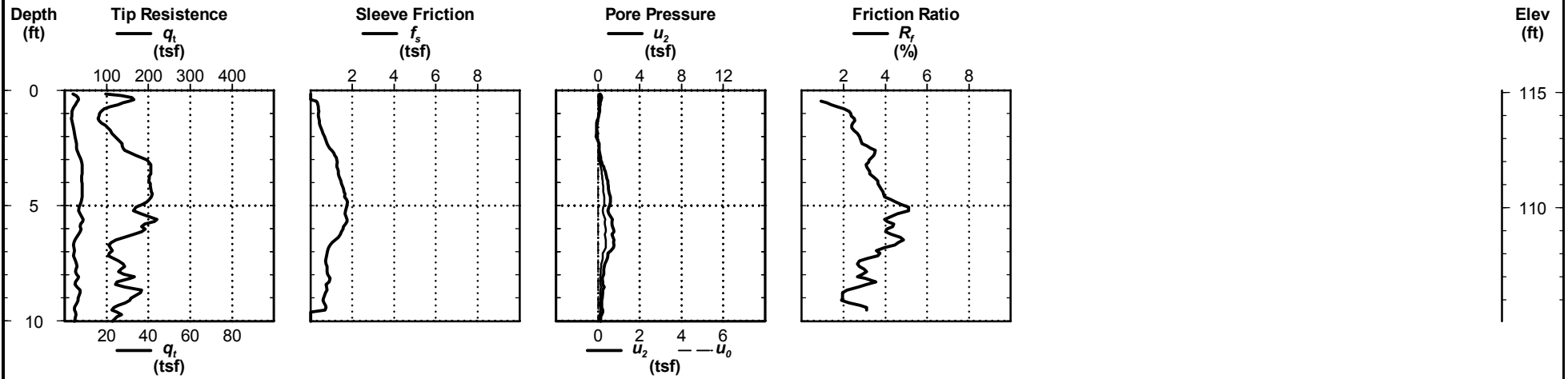


# Cone Penetration Test

**C-24**

Date: Apr. 8, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 10.0 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT\_V3.0.GDT 2/16/15

**C-24**

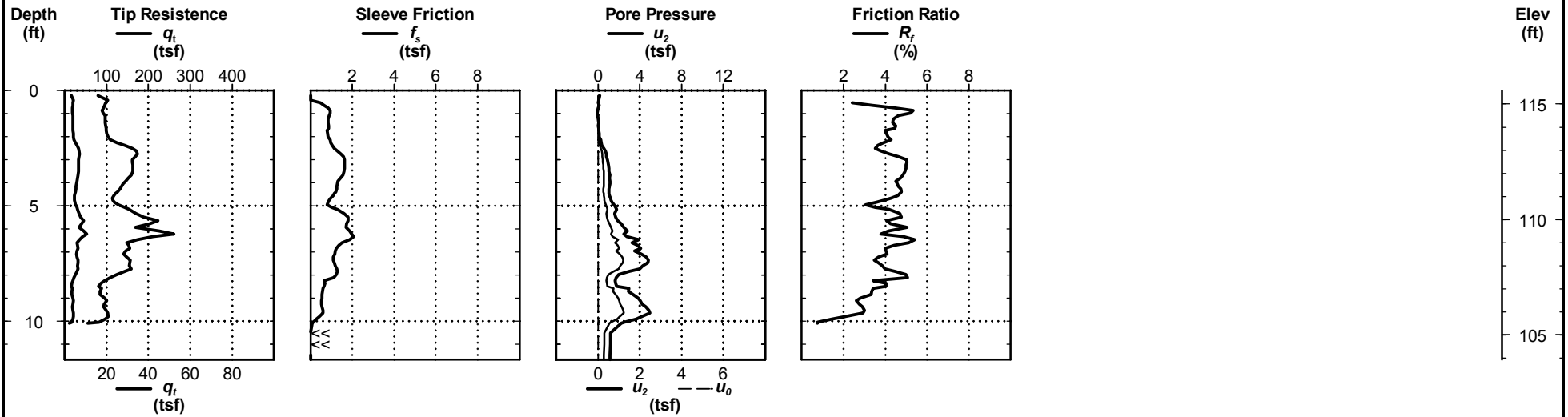


# Cone Penetration Test

**C-25**

Date: Apr. 8, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 11.7 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT\_V3.0.GDT 2/16/15

**C-25**

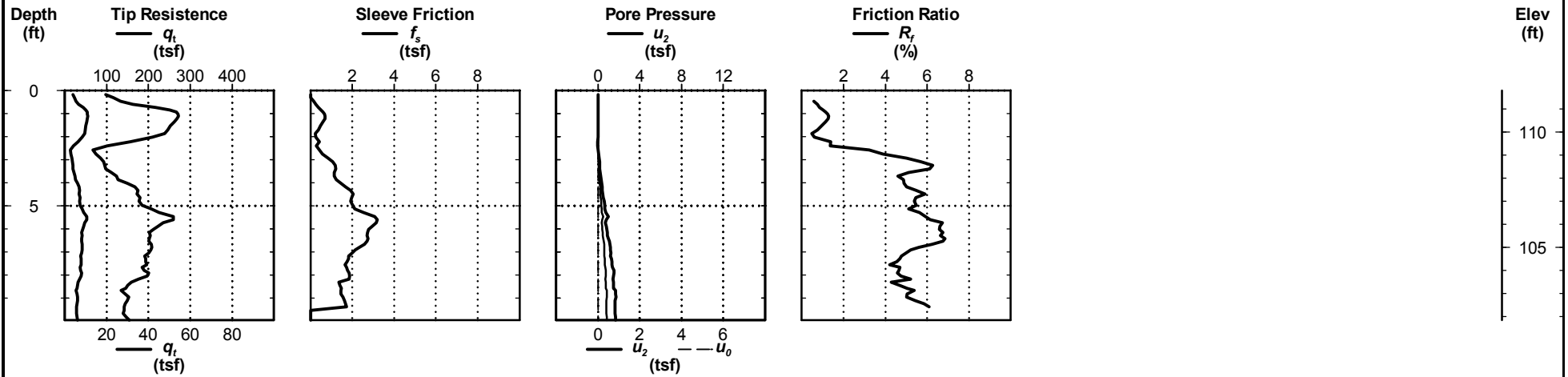


# Cone Penetration Test

**C-26**

Date: Apr. 5, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 10.0 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT V3.0.GDT 2/16/15

**C-26**

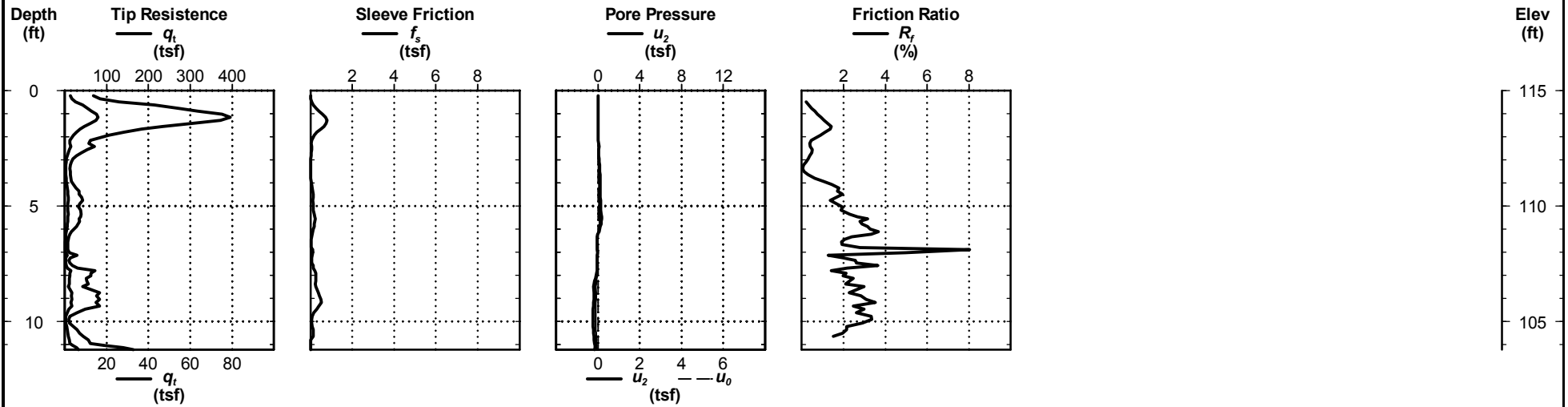


# Cone Penetration Test

**C-27**

Date: Apr. 5, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 11.2 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT\_V3.0.GDT 2/16/15

**C-27**

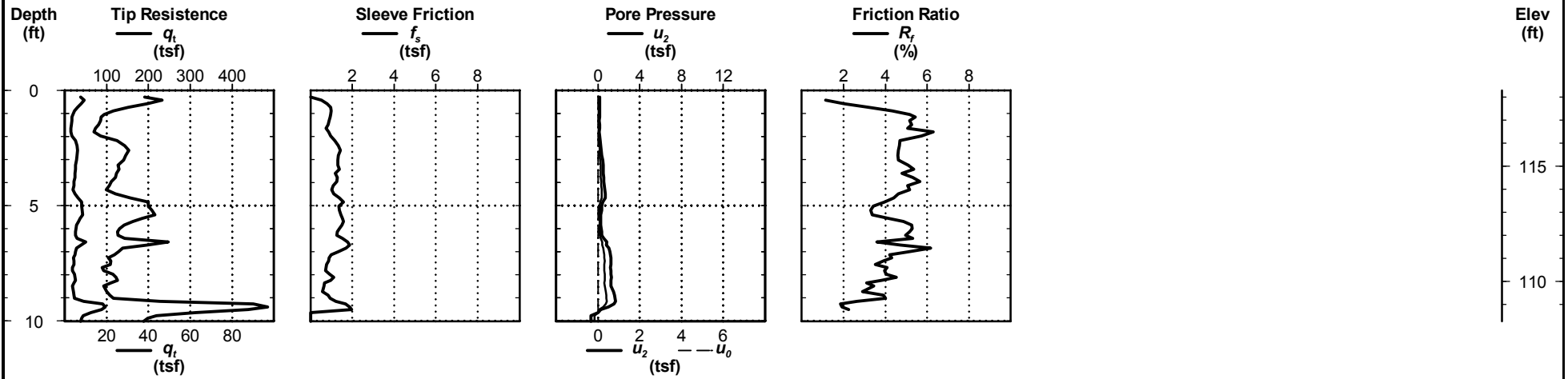


# Cone Penetration Test

**C-28**

Date: Apr. 5, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 10.0 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT\_V3.0.GDT 2/16/15

**C-28**

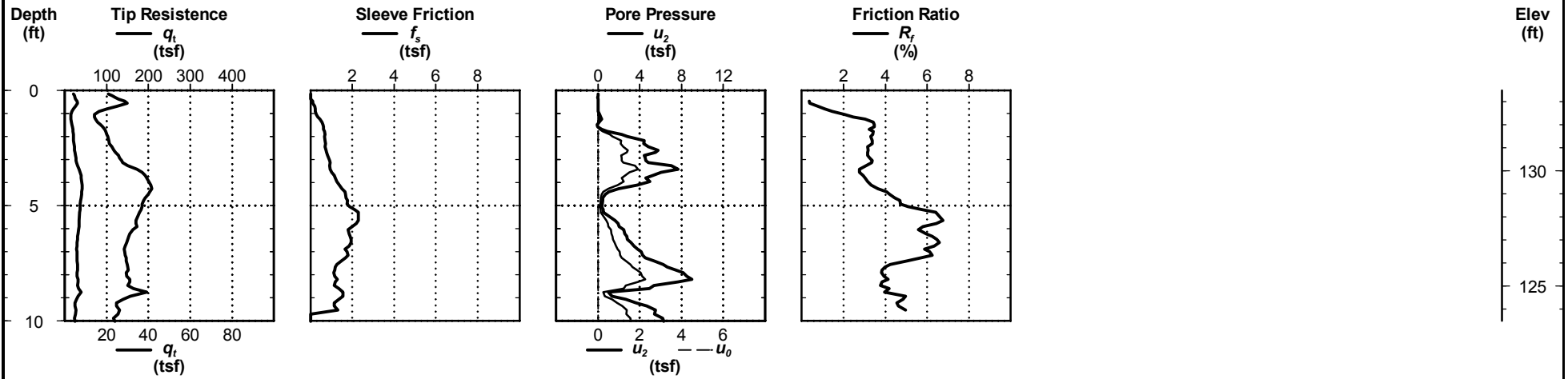


# Cone Penetration Test

**C-29**

Date: Apr. 5, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 10.0 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT\_V3.0.GDT 2/16/15

**C-29**

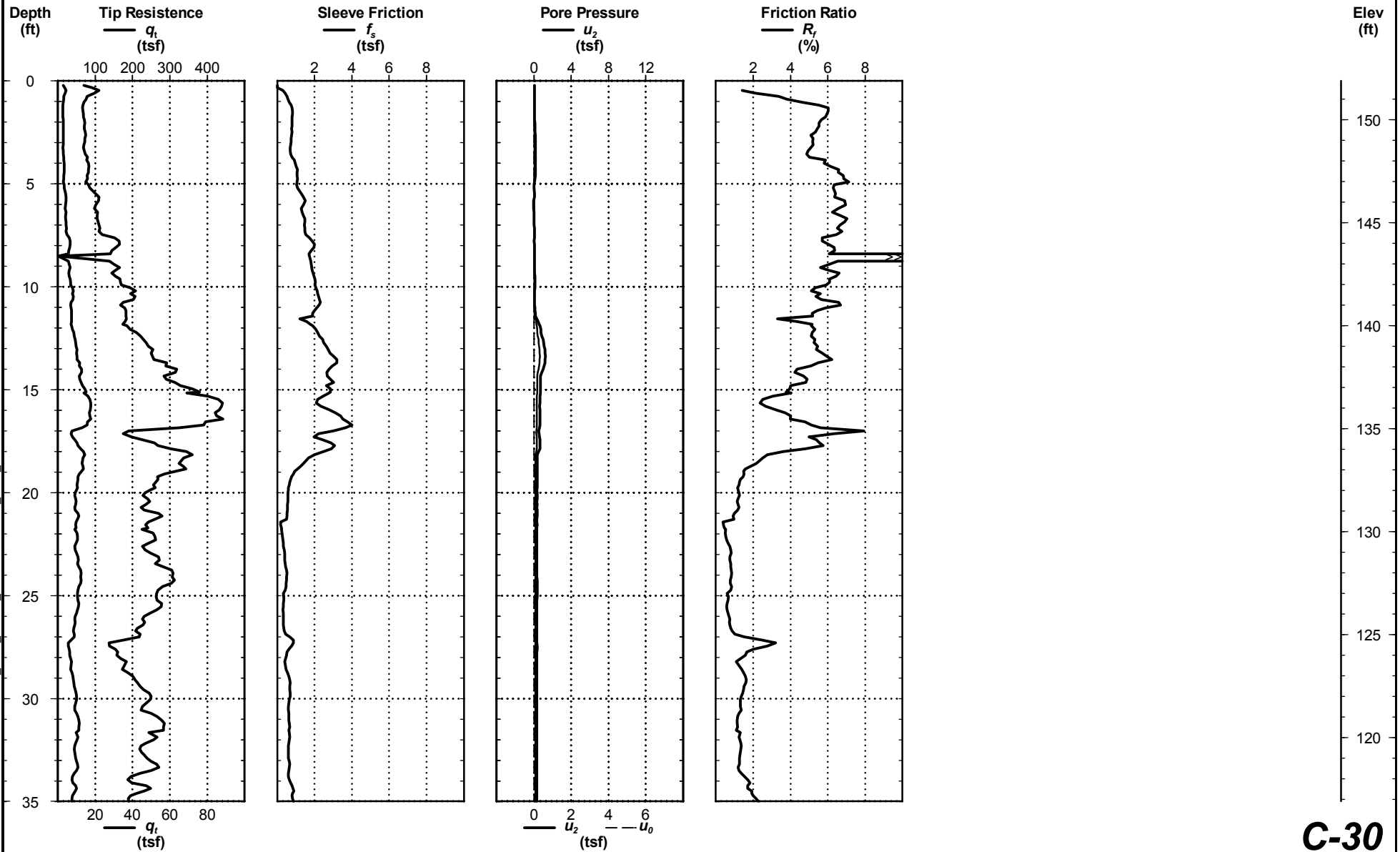


# Cone Penetration Test

**C-30**

Date: Apr. 4, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 50.0 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A GEO RDWY NORTHAMPTON\_CPT\_GINT.GPJ\_CPT\_V3.0.GDT 2/16/15

**C-30**

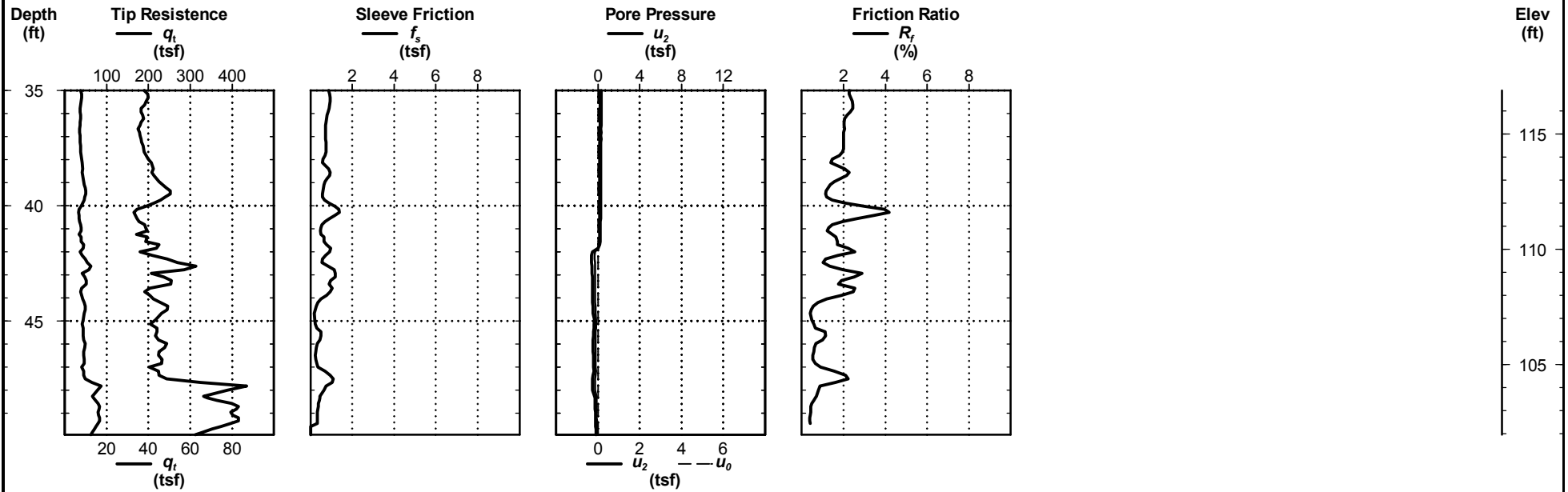


# Cone Penetration Test

**C-30**

Date: Apr. 4, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 50.0 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT\_V3.0.GDT 2/16/15

**C-30**



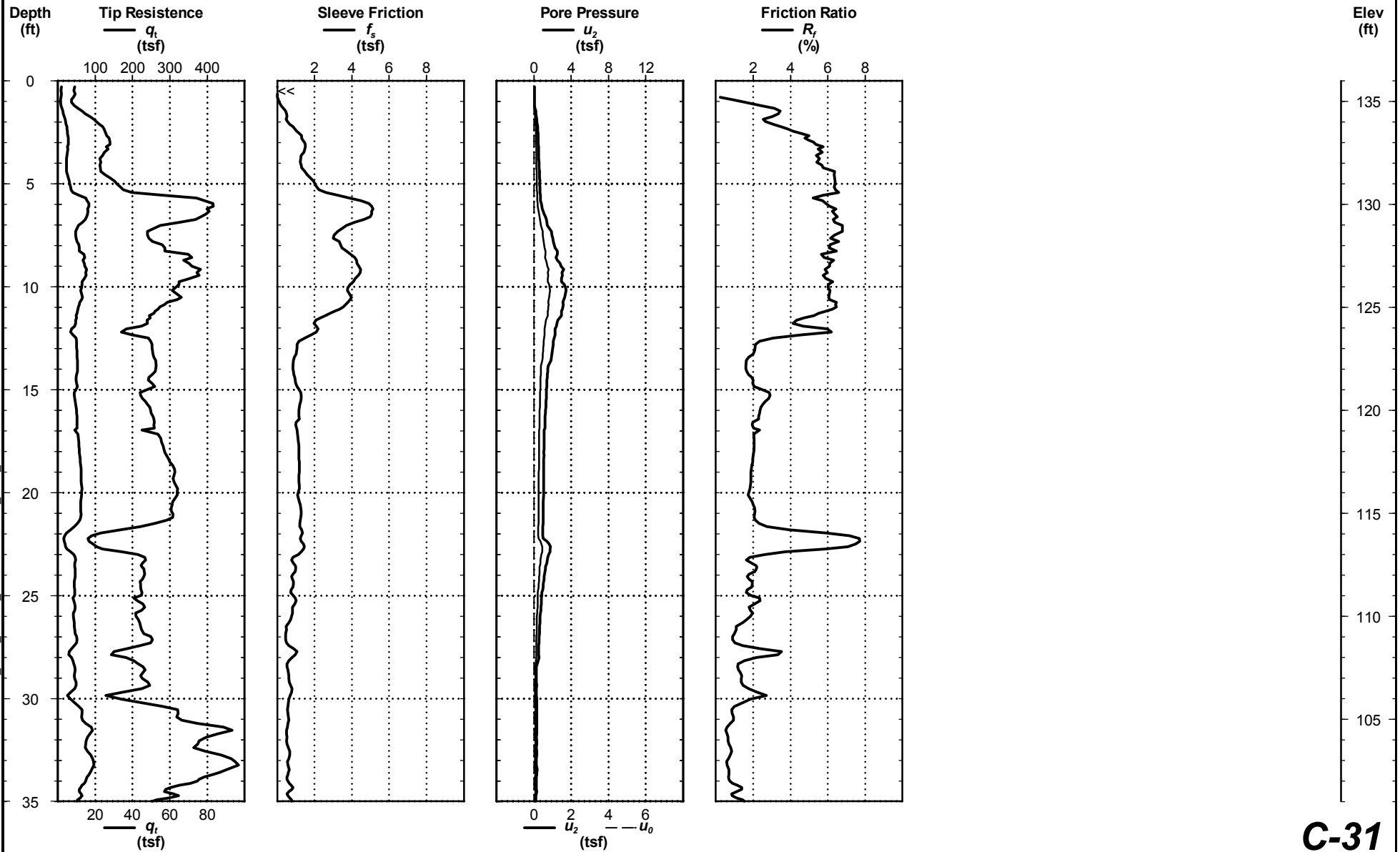


# Cone Penetration Test

# C-31

Date: Apr. 4, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 51.6 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A GEO RDWY NORTHAMPTON\_CPT\_GINT.GPJ\_CPT\_V3.0.GDT 2/16/15

# C-31

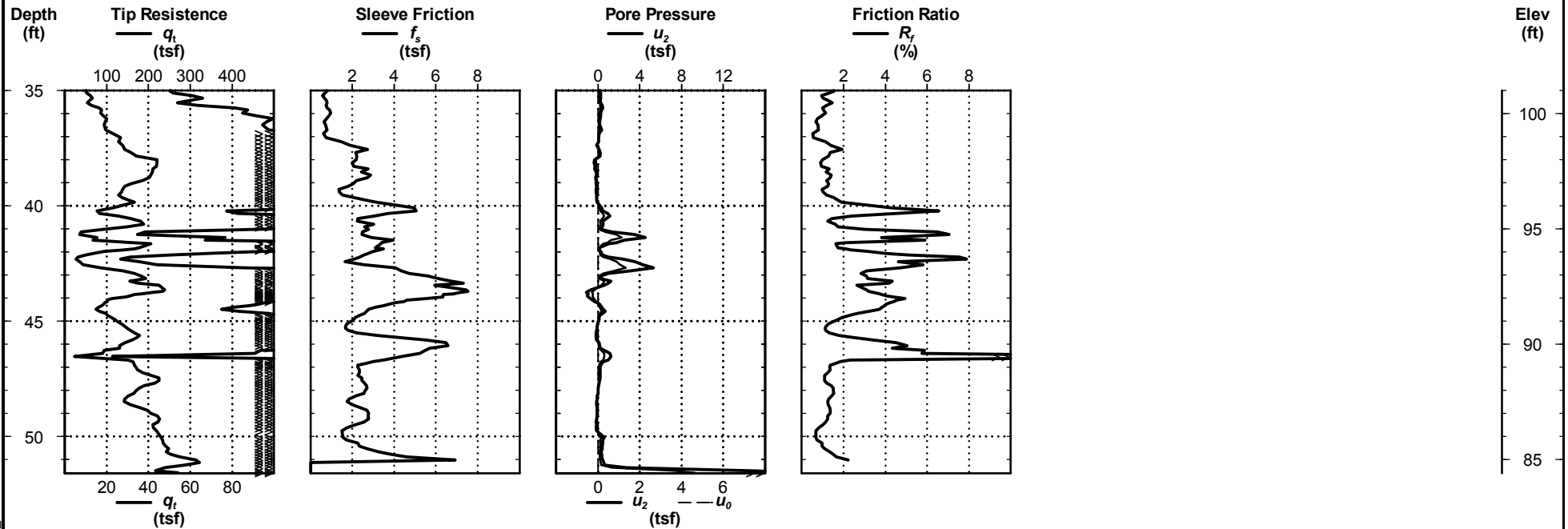


# Cone Penetration Test

**C-31**

Date: Apr. 4, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 51.6 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT V3.0.GDT 2/16/15

**C-31**

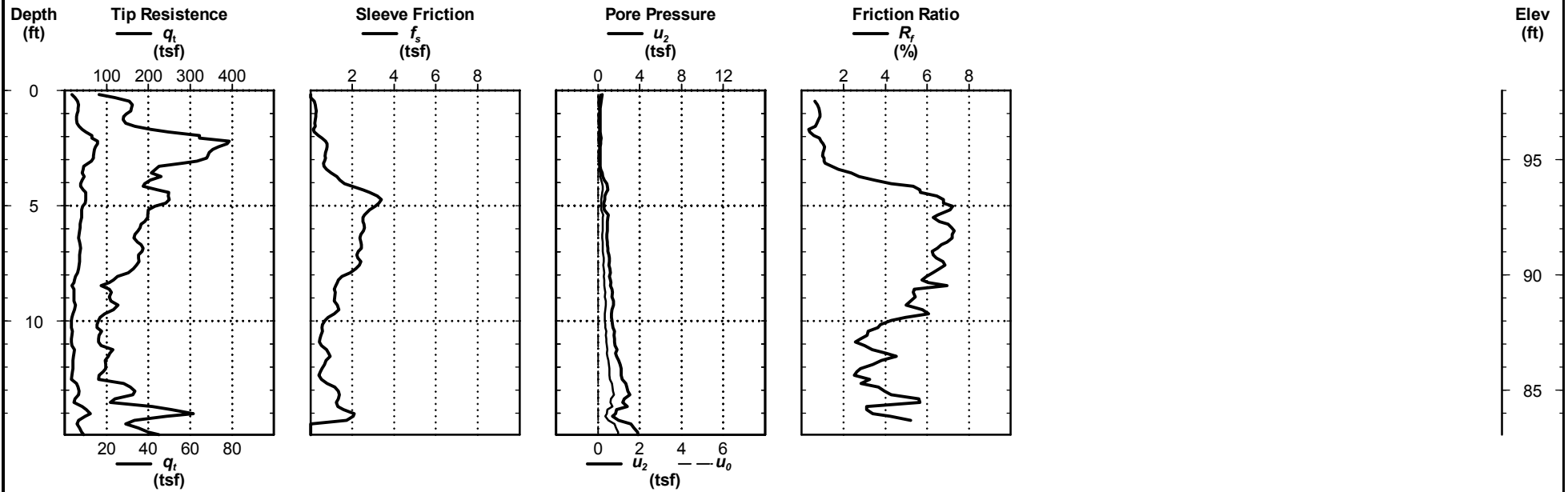


# Cone Penetration Test

**C-32**

Date: Apr. 3, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 15.0 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT\_V3.0.GDT 2/16/15

**C-32**

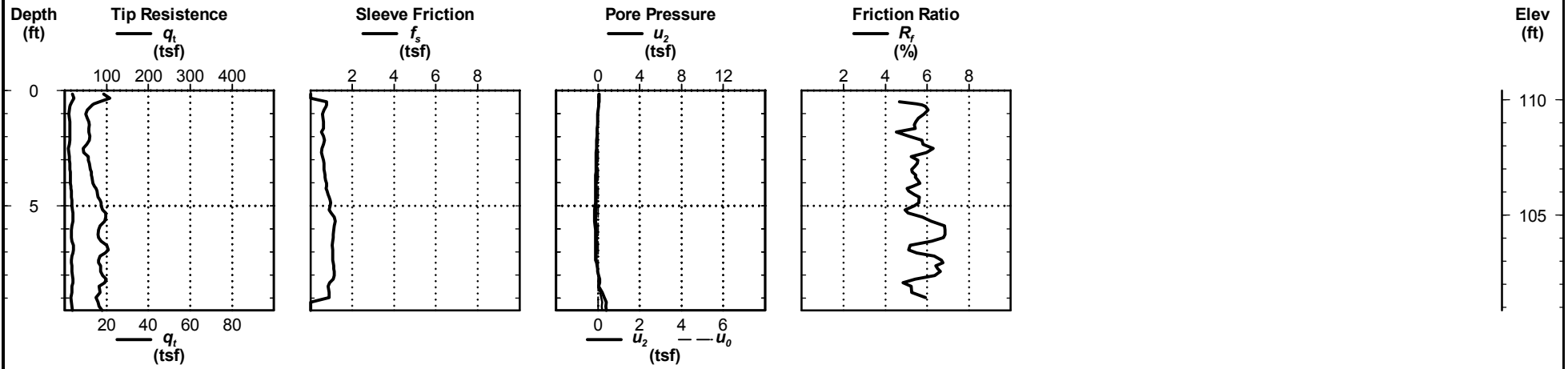


# Cone Penetration Test

**C-33**

Date: Apr. 3, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 9.5 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT\_V3.0.GDT 2/16/15

**C-33**

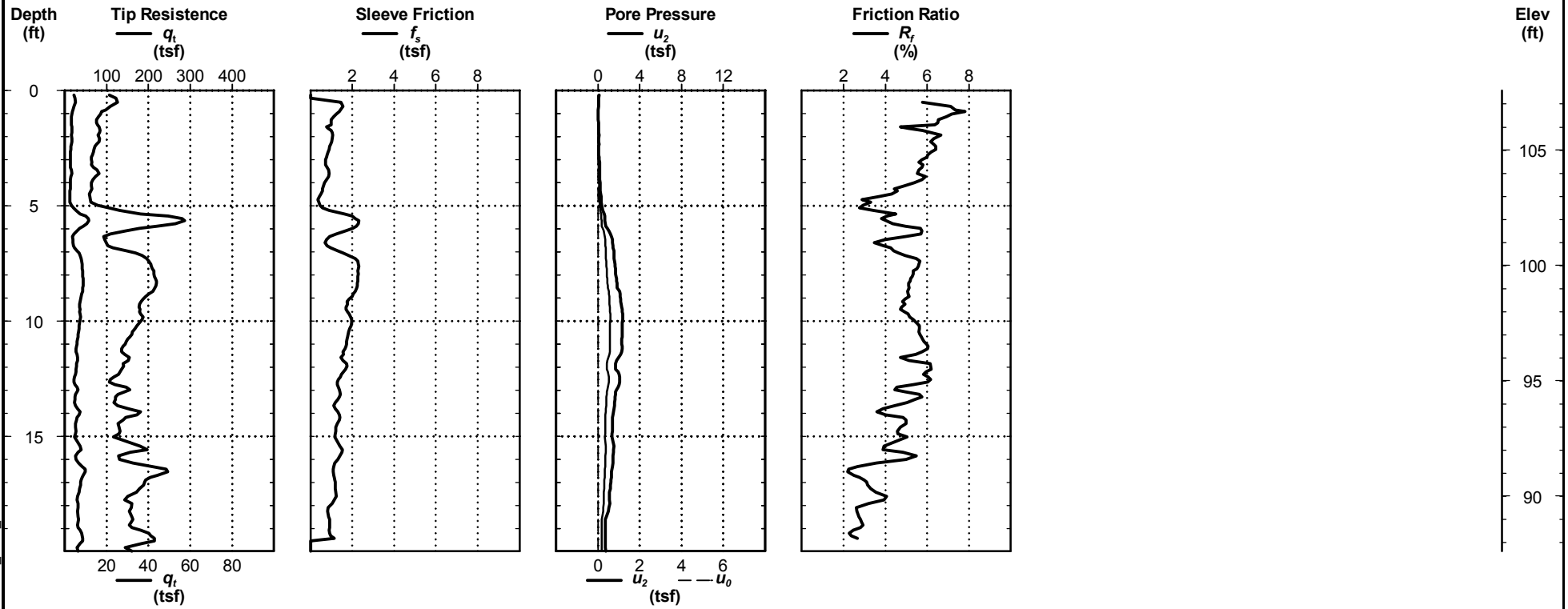


# Cone Penetration Test

**C-34**

Date: Apr. 3, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 20.0 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT V3.0.GDT 2/16/15

**C-34**

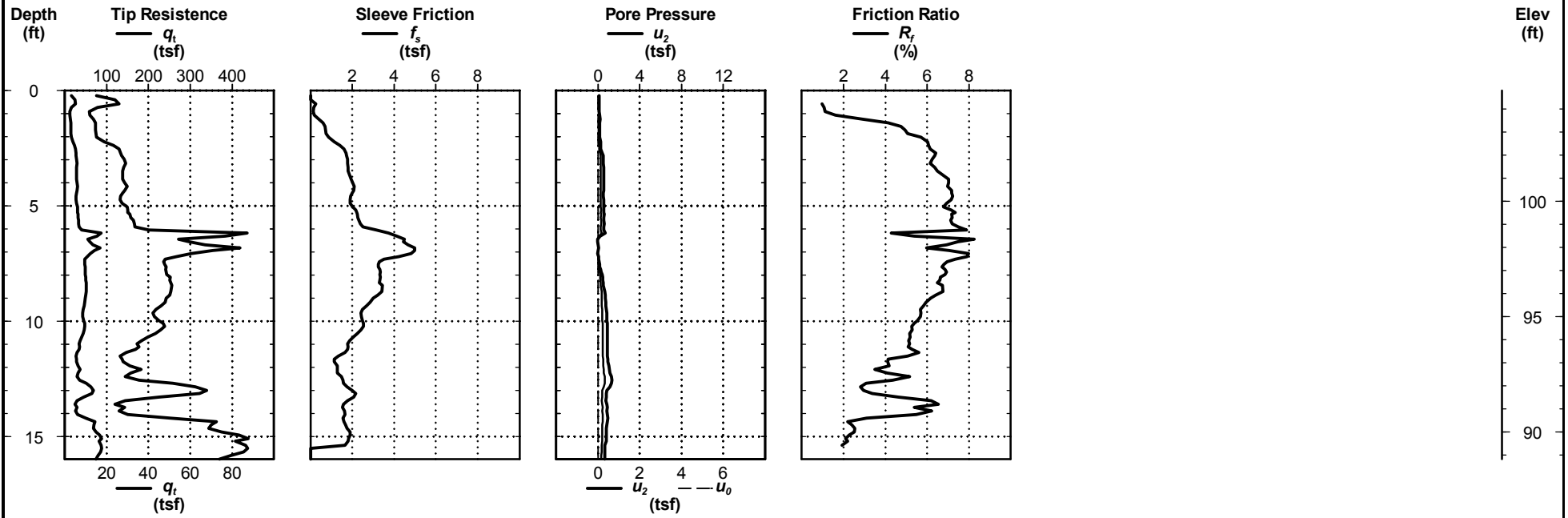


# Cone Penetration Test

**C-35**

Date: Apr. 3, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 16.0 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT V3.0.GDT 2/16/15

**C-35**

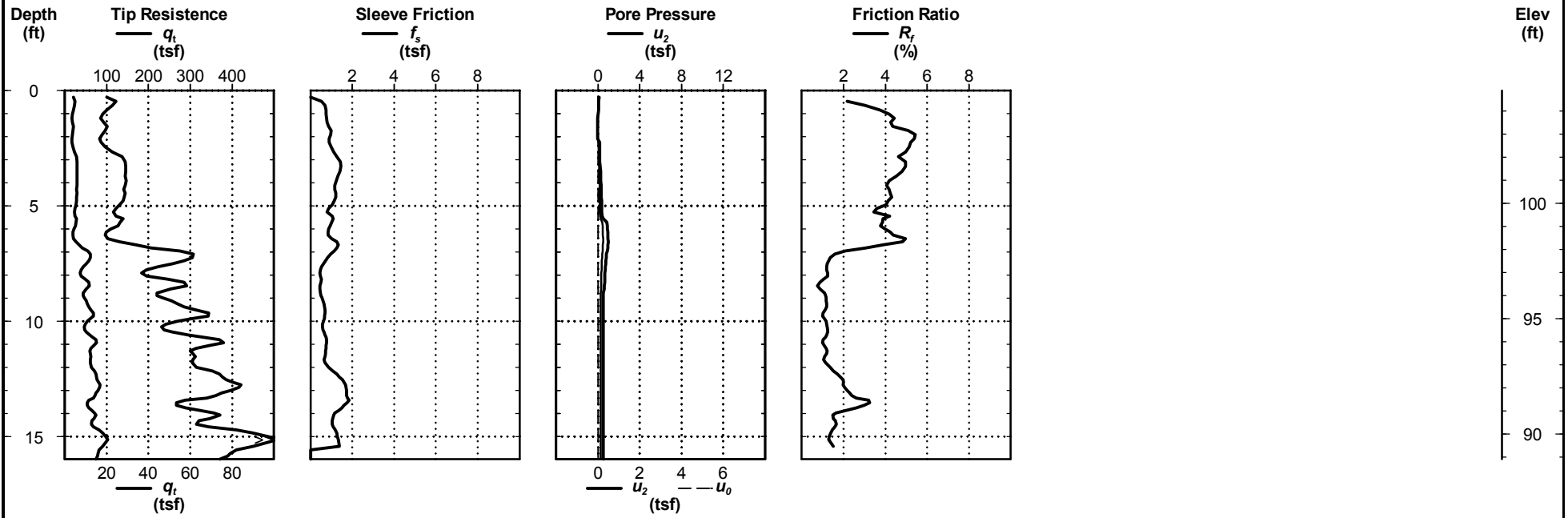


# Cone Penetration Test

**C-36**

Date: Apr. 3, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 16.0 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT V3.0.GDT 2/16/15

**C-36**

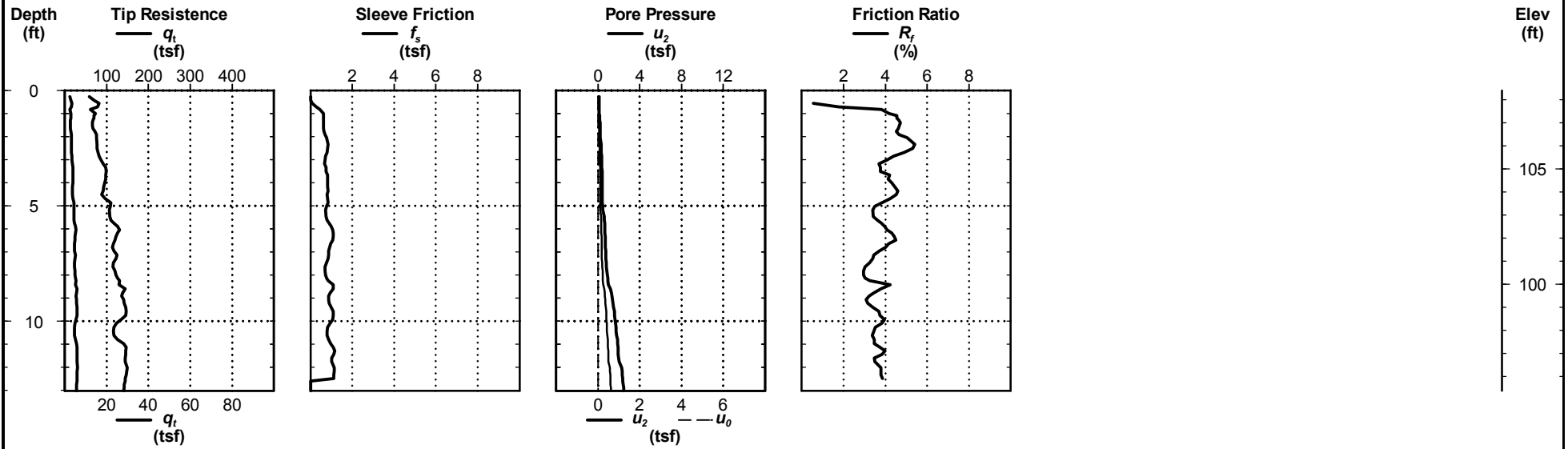


# Cone Penetration Test

**C-37**

Date: Apr. 3, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 13.0 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT\_V3.0.GDT 2/16/15

**C-37**



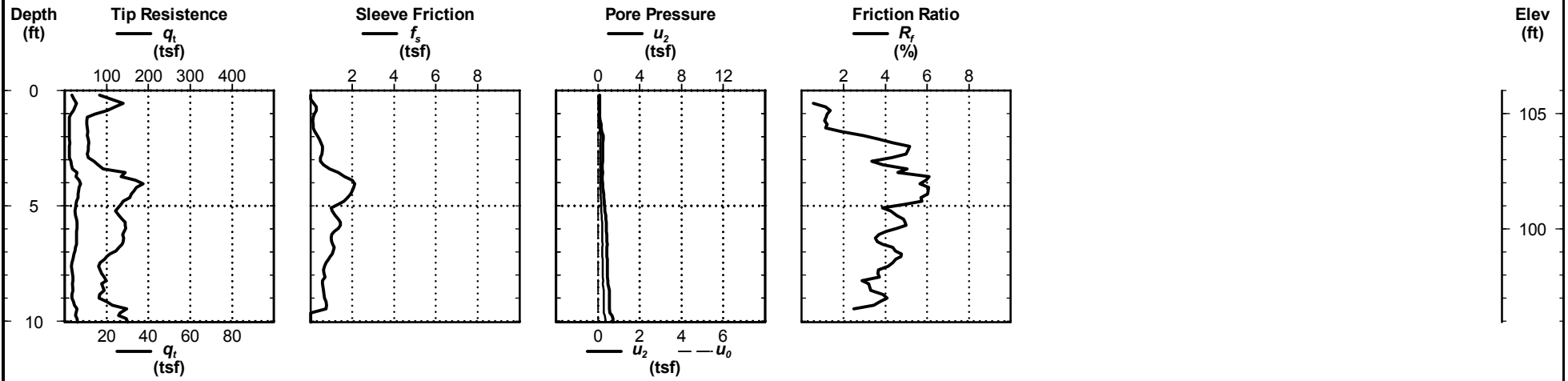


# Cone Penetration Test

**C-38**

Date: Apr. 3, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 10.1 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT\_V3.0.GDT 2/16/15

**C-38**

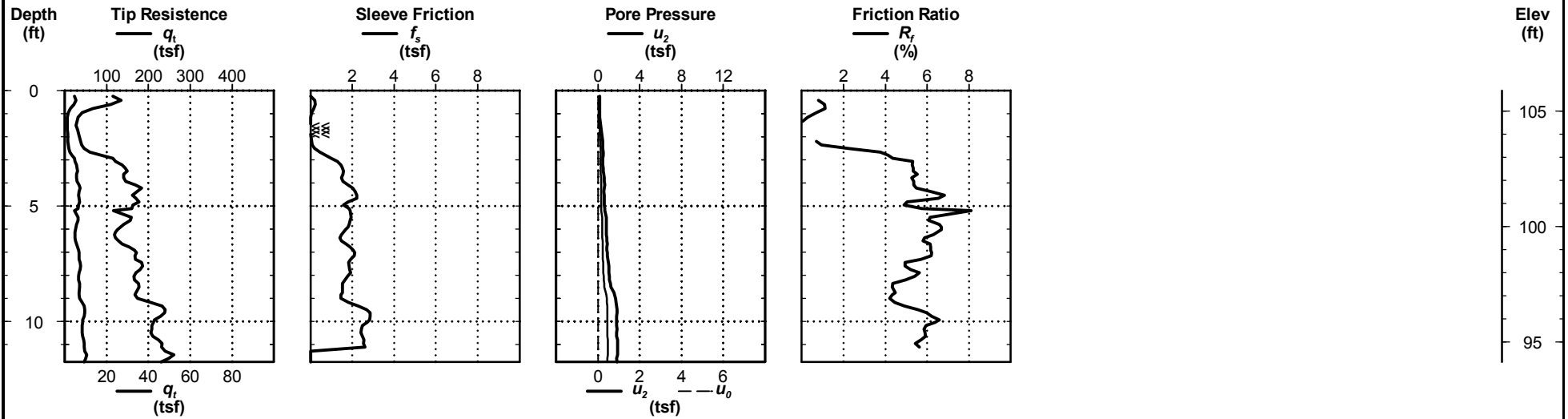


# Cone Penetration Test

**C-39**

Date: Apr. 3, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 11.8 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT\_V3.0.GDT 2/16/15

**C-39**

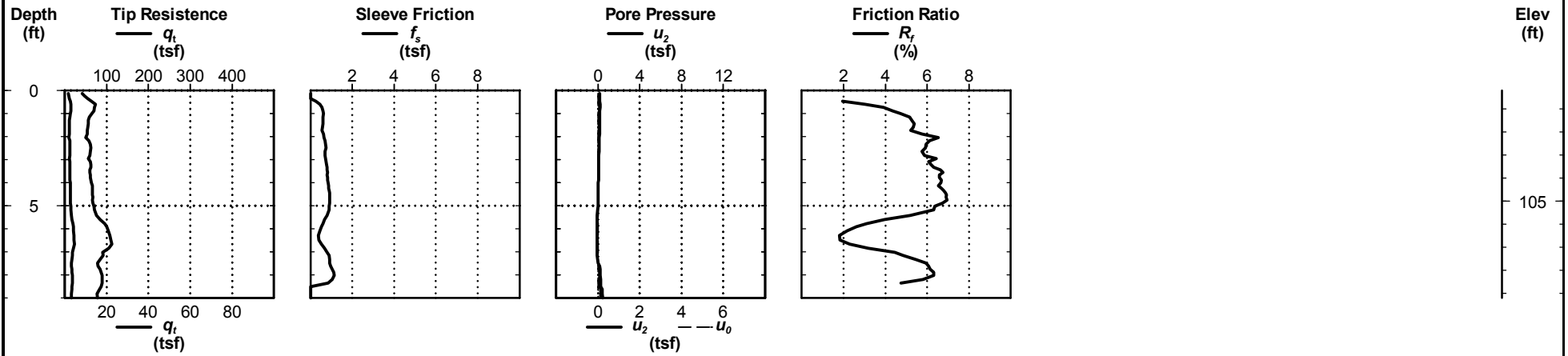


# Cone Penetration Test

**C-40**

Date: Apr. 3, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 9.0 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT\_V3.0.GDT 2/16/15

**C-40**

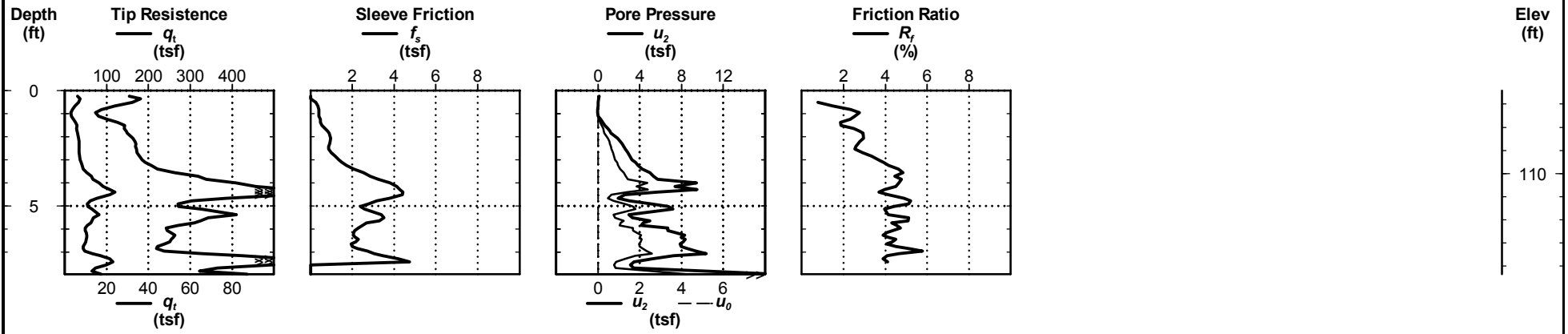


# Cone Penetration Test

**C-41**

Date: Apr. 3, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 8.0 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT\_V3.0.GDT 2/16/15

**C-41**

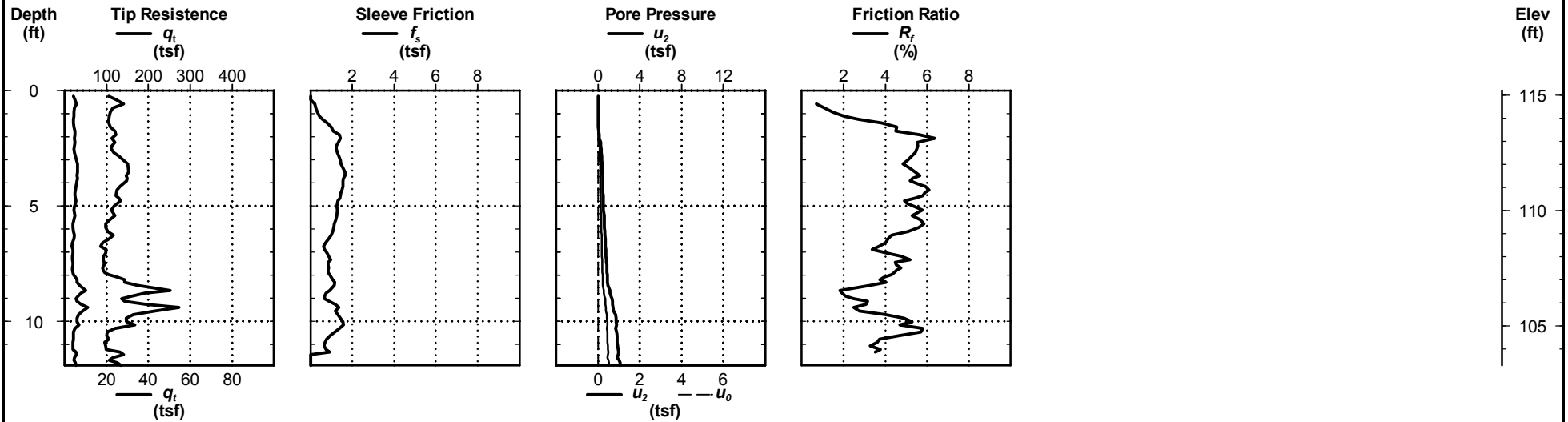


# Cone Penetration Test

**C-42**

Date: Apr. 3, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 11.9 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT\_V3.0.GDT 2/16/15

**C-42**

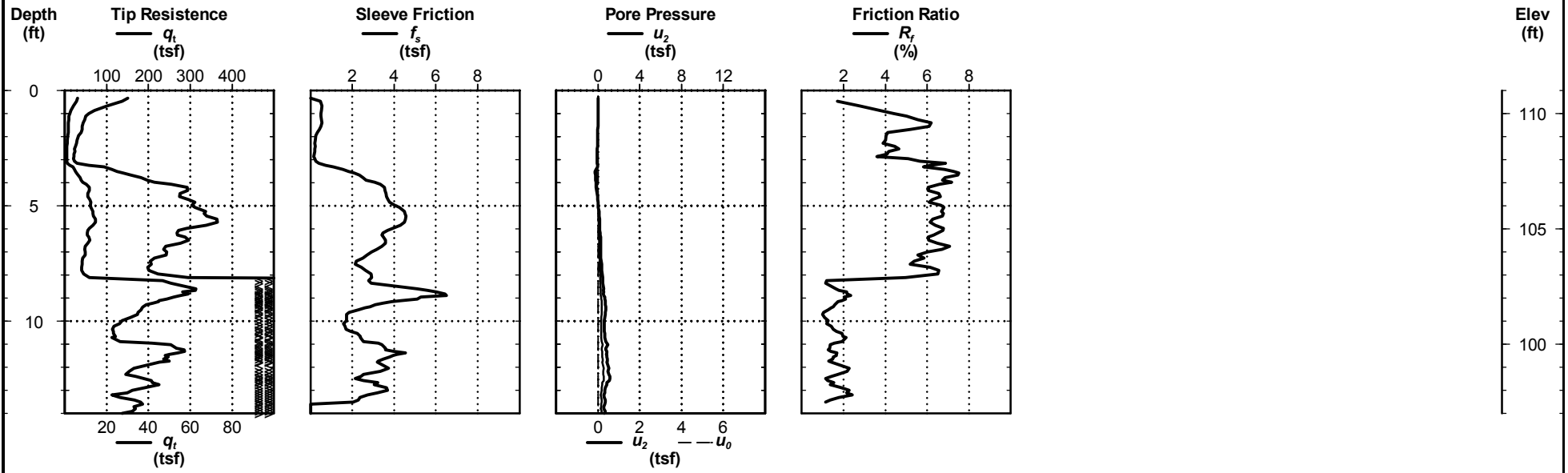


# Cone Penetration Test

**C-43**

Date: Apr. 3, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 14.0 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT\_V3.0.GDT 2/16/15

**C-43**

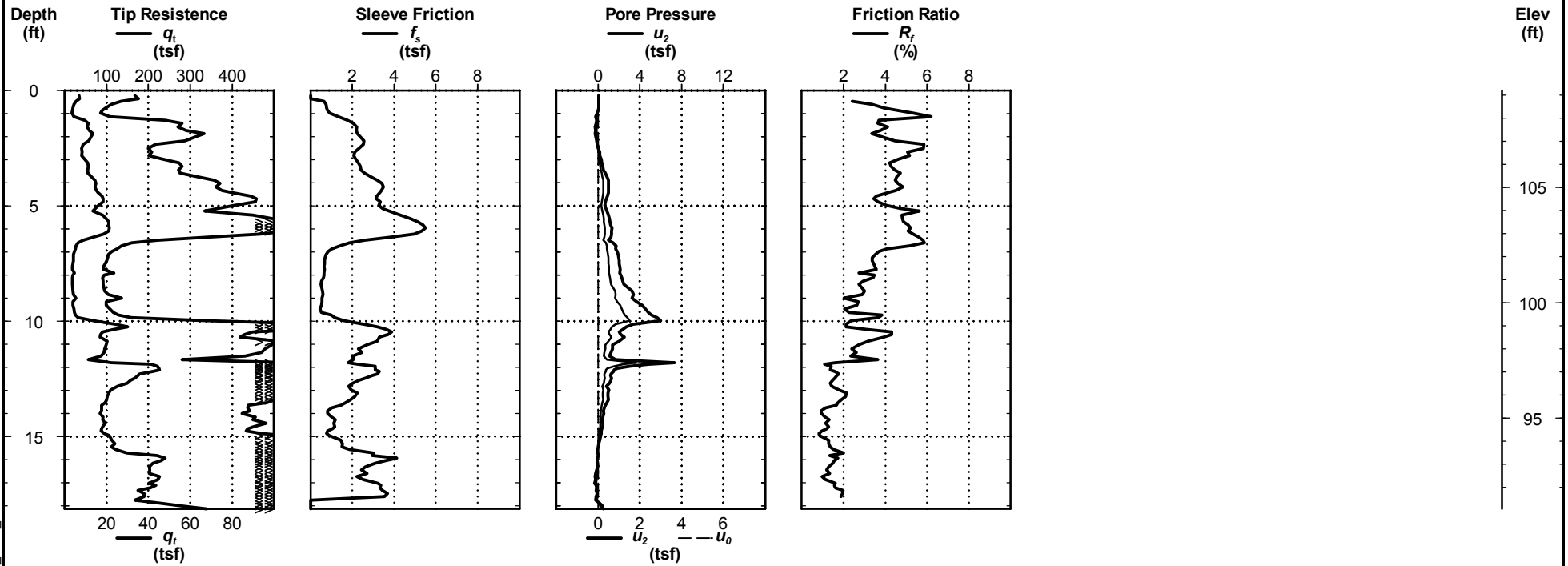


# Cone Penetration Test

**C-44**

Date: Apr. 3, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 18.1 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT V3.0.GDT 2/16/15

**C-44**

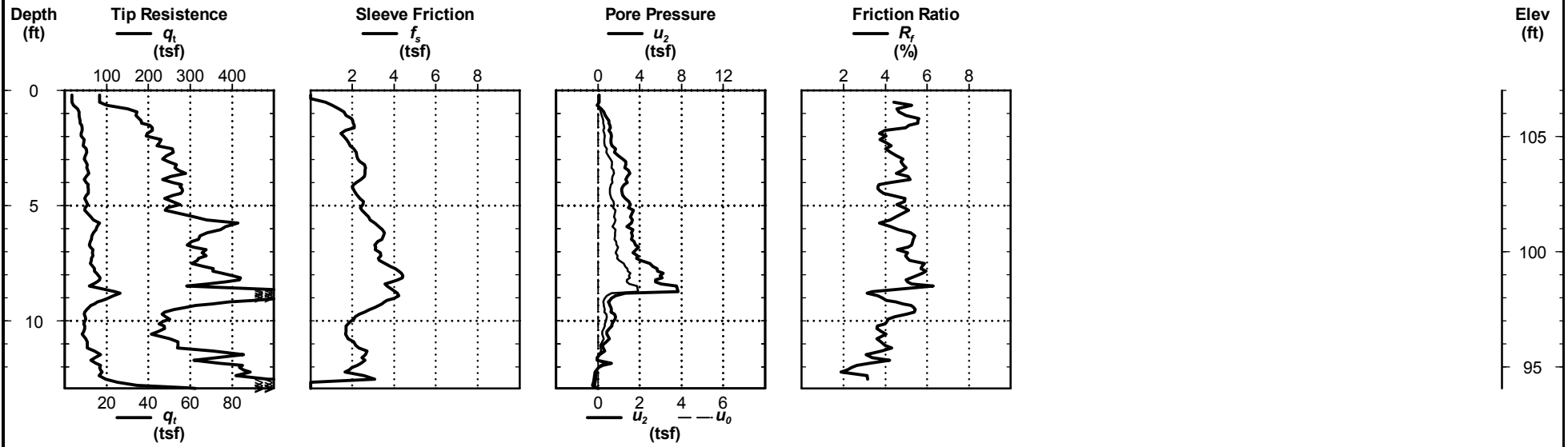


# Cone Penetration Test

**C-45**

Date: Apr. 3, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 13.0 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT\_V3.0.GDT 2/16/15

**C-45**



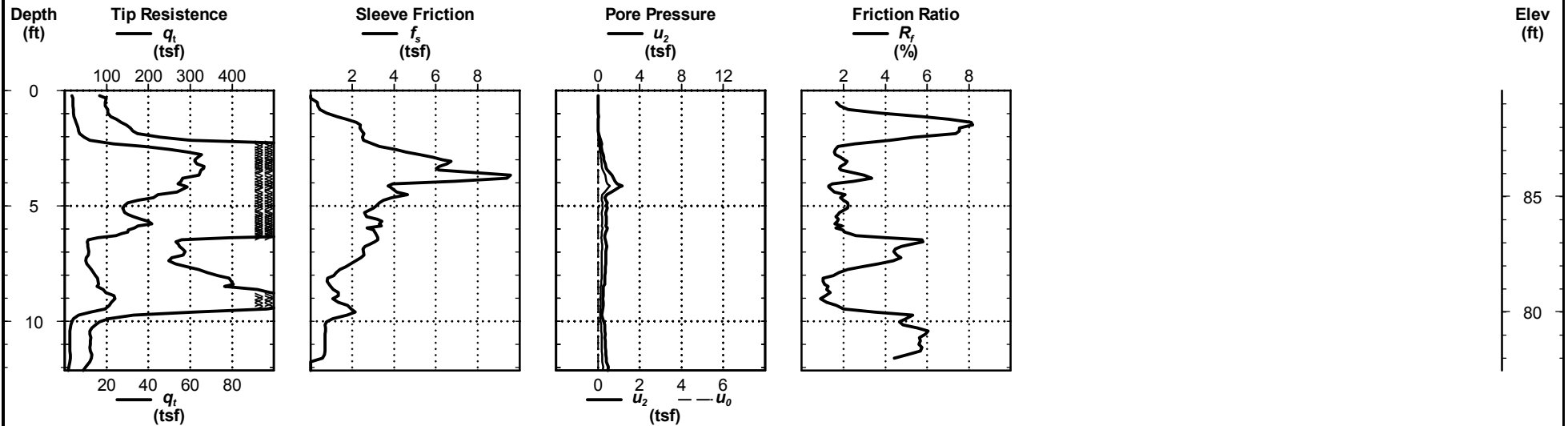


# Cone Penetration Test

**C-46**

Date: Apr. 3, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 12.1 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT\_V3.0.GDT 2/16/15

**C-46**

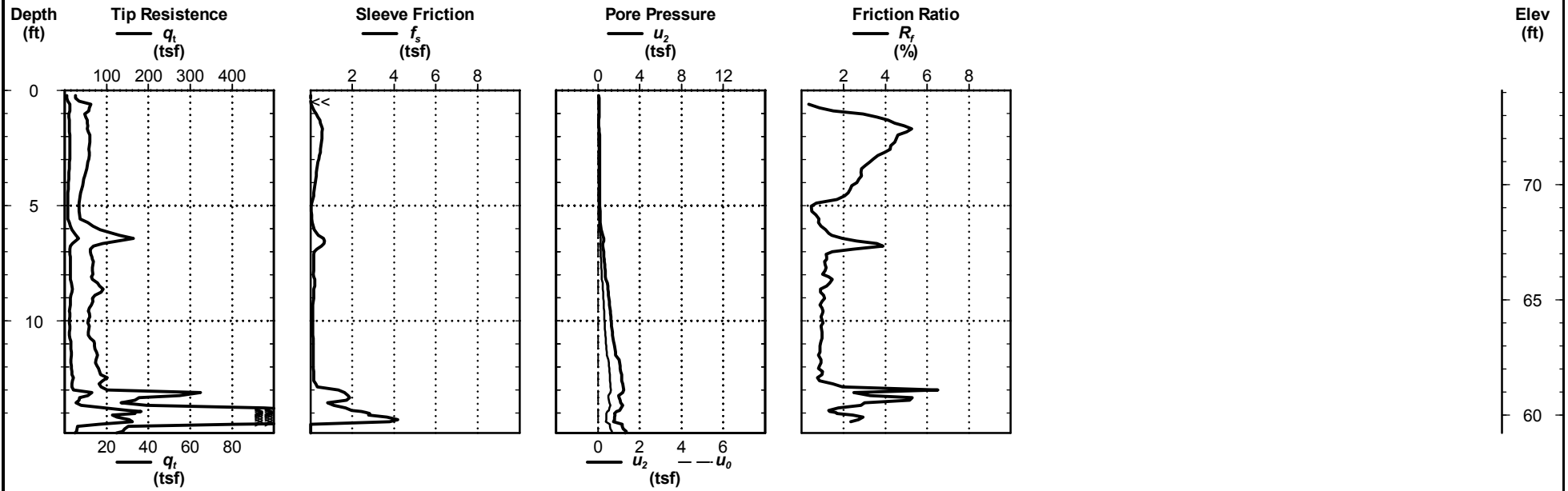


# Cone Penetration Test

**C-47**

Date: Apr. 3, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 14.9 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT\_V3.0.GDT 2/16/15

**C-47**

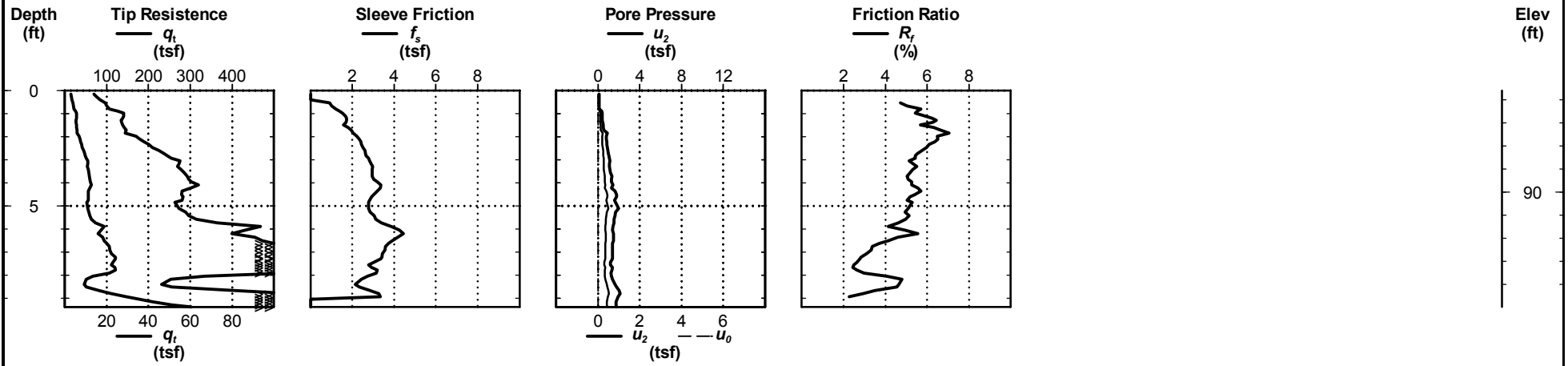


# Cone Penetration Test

**C-48**

Date: Apr. 3, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 9.4 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT V3.0.GDT 2/16/15

**C-48**

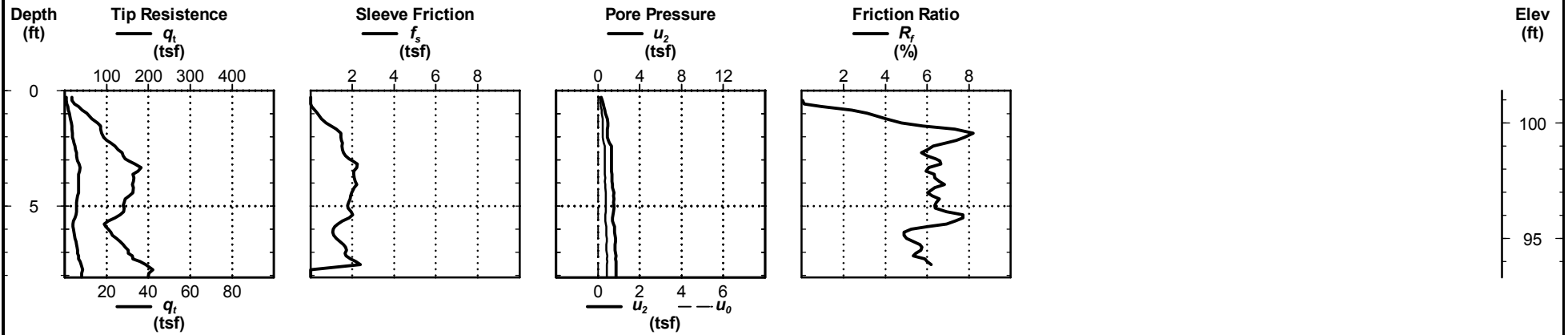


# Cone Penetration Test

**C-49**

Date: Apr. 3, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 8.1 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT\_V3.0.GDT 2/16/15

**C-49**

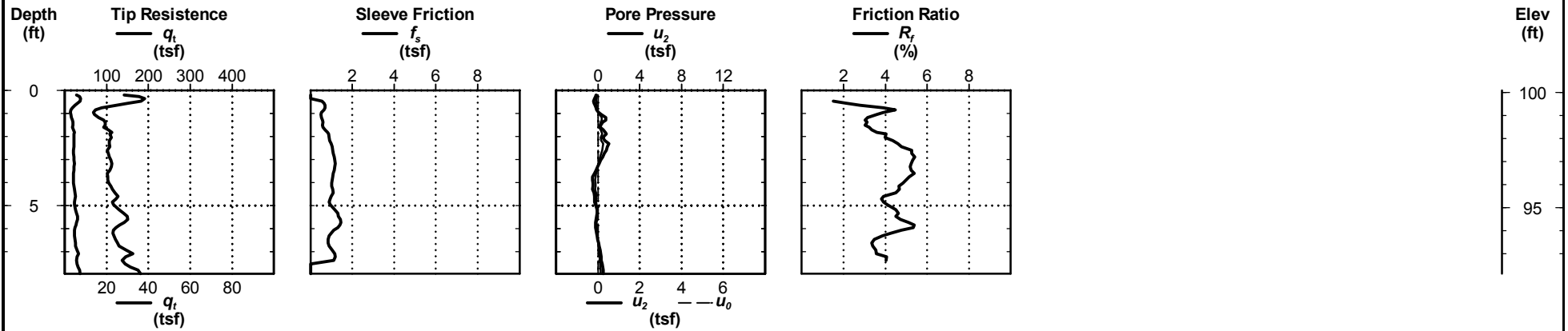


# Cone Penetration Test

**C-50**

Date: Apr. 4, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 8.0 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT\_V3.0.GDT 2/16/15

**C-50**

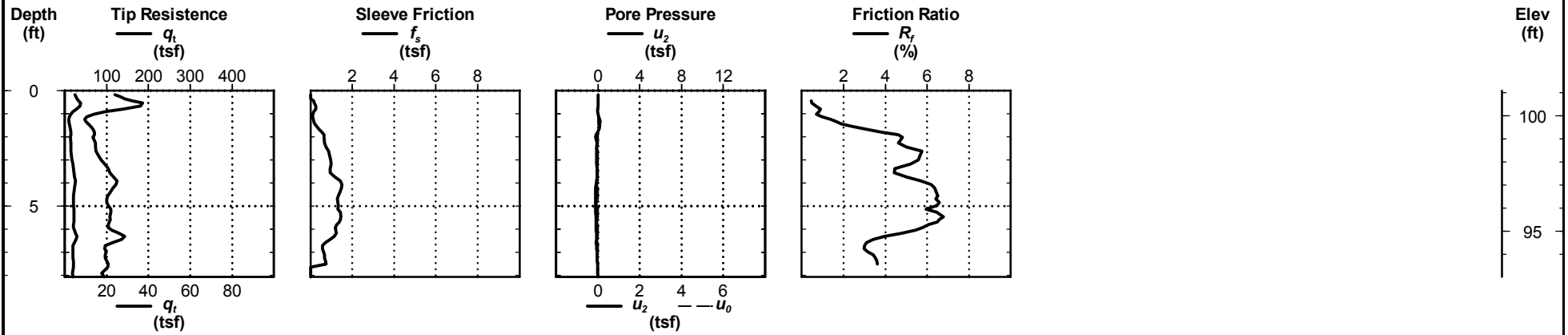


# Cone Penetration Test

**C-51**

Date: Apr. 4, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 8.1 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT\_V3.0.GDT 2/16/15

**C-51**

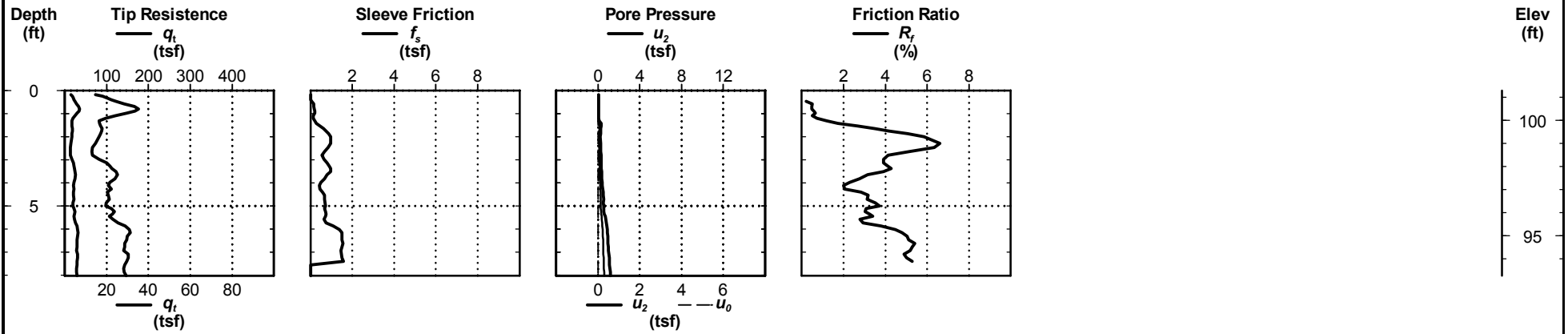


# Cone Penetration Test

**C-52**

Date: Apr. 4, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 8.0 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT V3.0.GDT 2/16/15

**C-52**

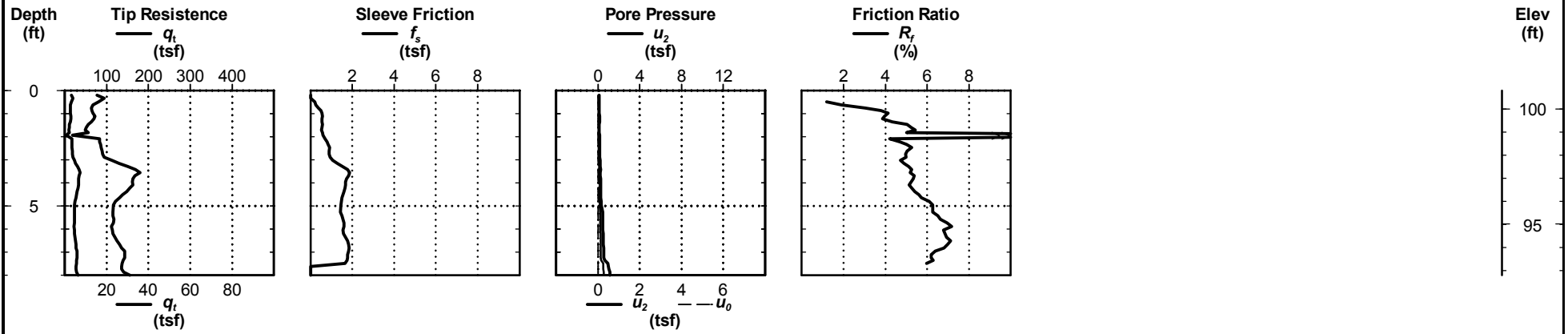


# Cone Penetration Test

**C-53**

Date: Apr. 4, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 8.0 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT V3.0.GDT 2/16/15

**C-53**



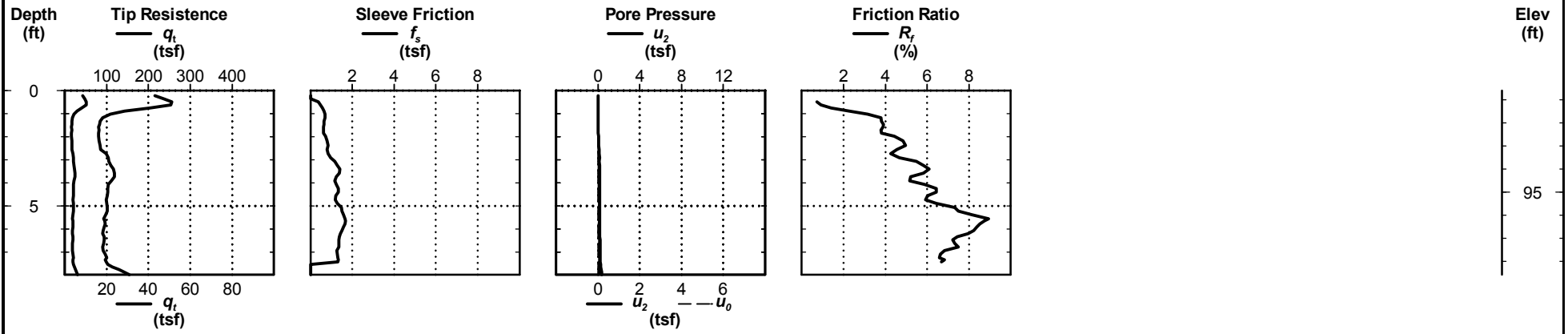


# Cone Penetration Test

**C-54**

Date: Apr. 4, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 8.0 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT V3.0.GDT 2/16/15

**C-54**

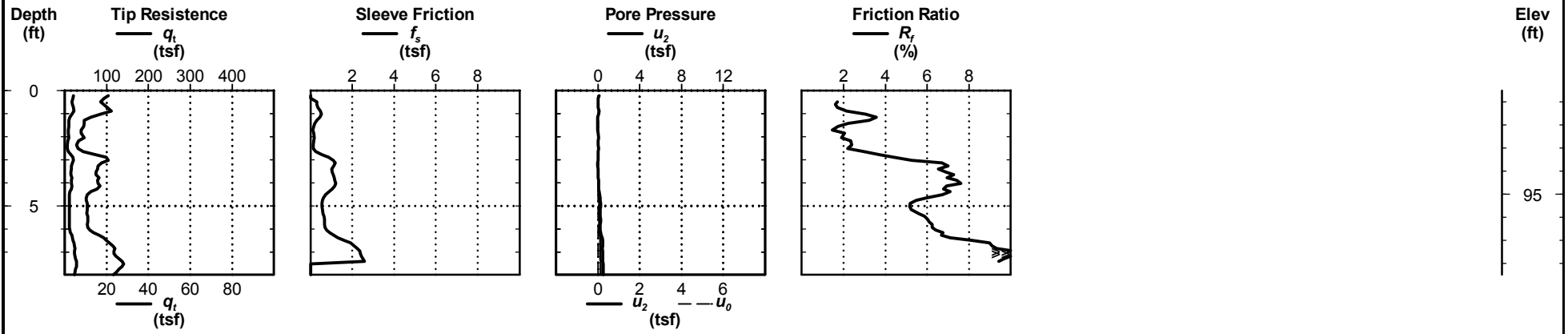


# Cone Penetration Test

**C-55**

Date: Apr. 4, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 8.0 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT\_V3.0.GDT 2/16/15

**C-55**

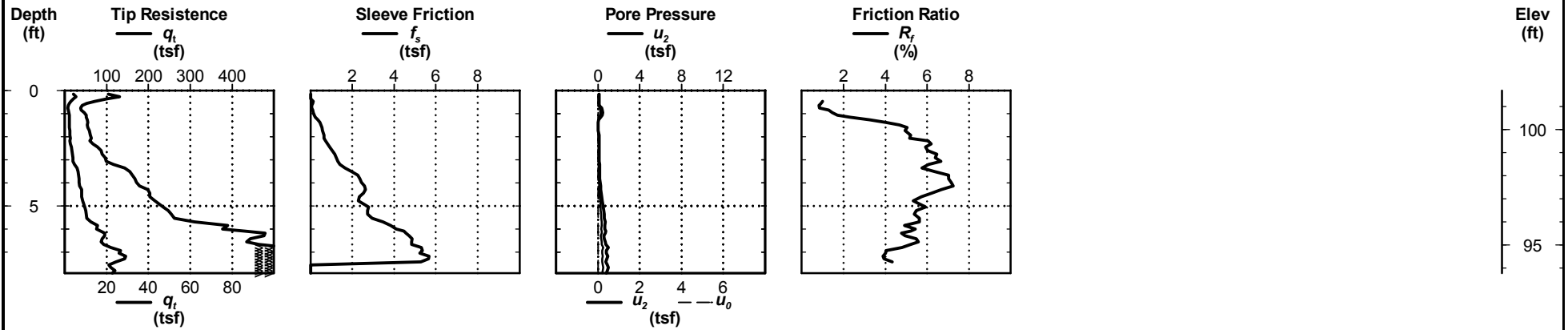


# Cone Penetration Test

**C-56**

Date: Apr. 4, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 7.9 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT\_V3.0.GDT 2/16/15

**C-56**

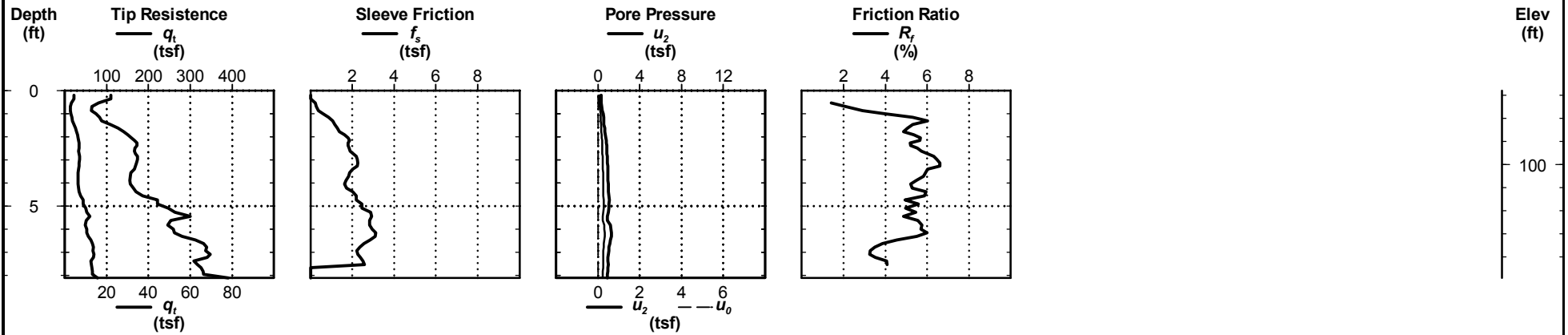


# Cone Penetration Test

**C-57**

Date: Apr. 4, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 8.1 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT\_V3.0.GDT 2/16/15

**C-57**

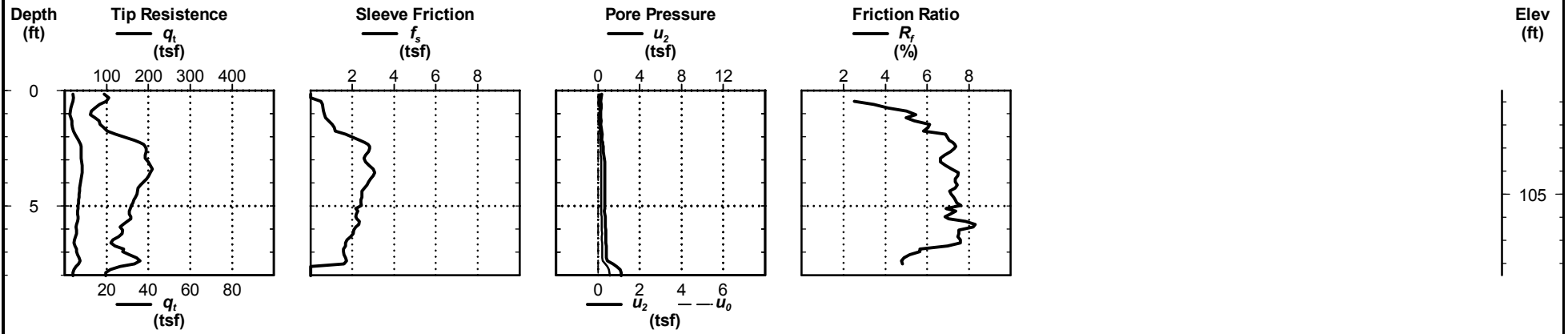


# Cone Penetration Test

**C-58**

Date: Apr. 4, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 8.0 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT V3.0.GDT 2/16/15

**C-58**

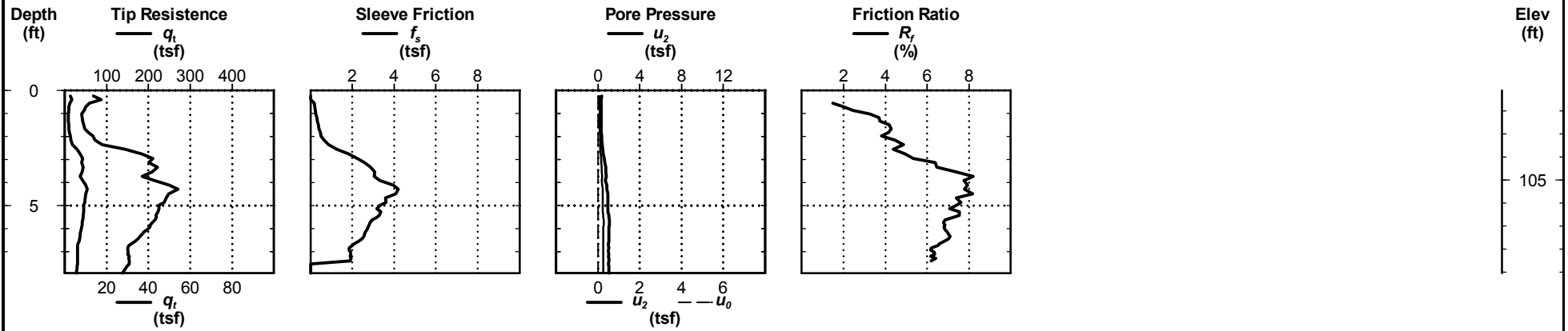


# Cone Penetration Test

**C-59**

Date: Apr. 4, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 8.0 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT V3.0.GDT 2/16/15

**C-59**

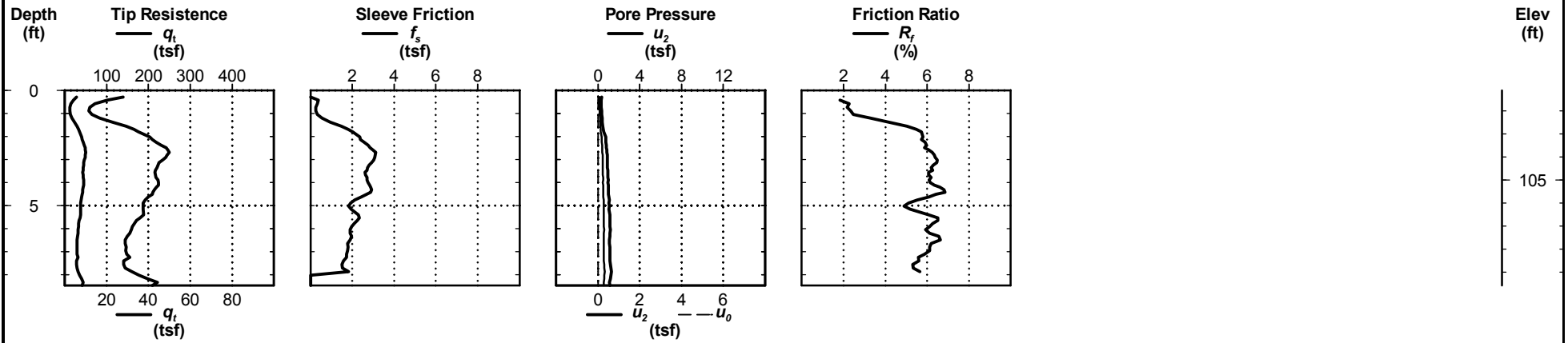


# Cone Penetration Test

**C-60**

Date: Apr. 4, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 8.5 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT\_V3.0.GDT 2/16/15

**C-60**

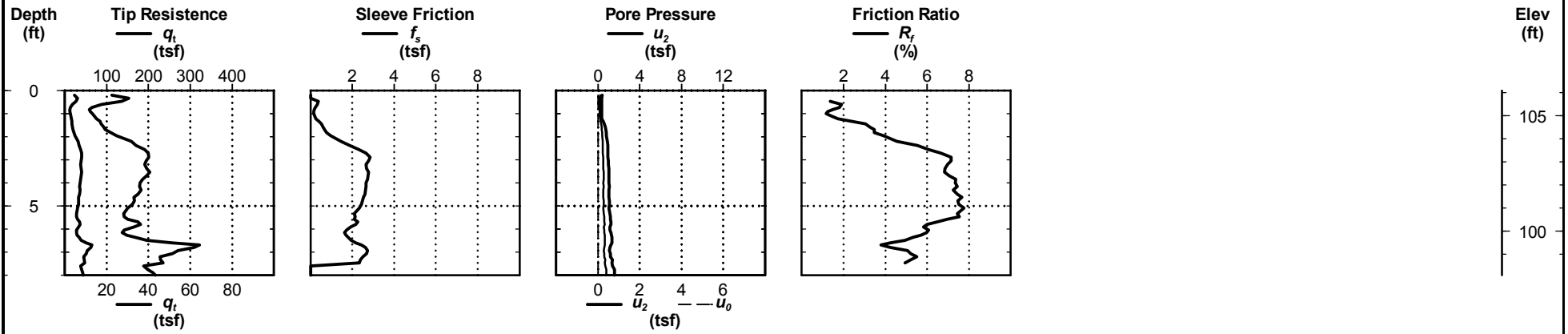


# Cone Penetration Test

**C-61**

Date: Apr. 4, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 8.0 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT V3.0.GDT 2/16/15

**C-61**



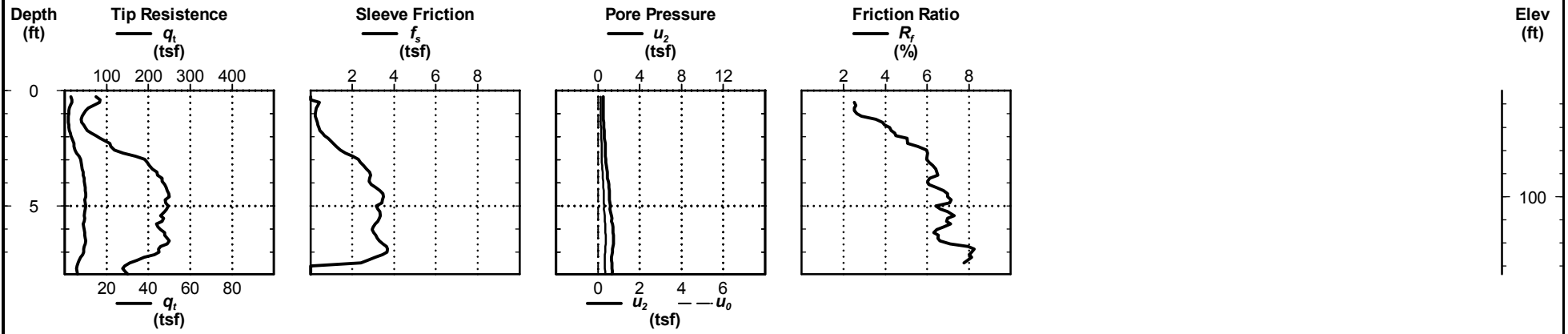


# Cone Penetration Test

**C-62**

Date: Apr. 4, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 8.0 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT\_V3.0.GDT 2/16/15

**C-62**

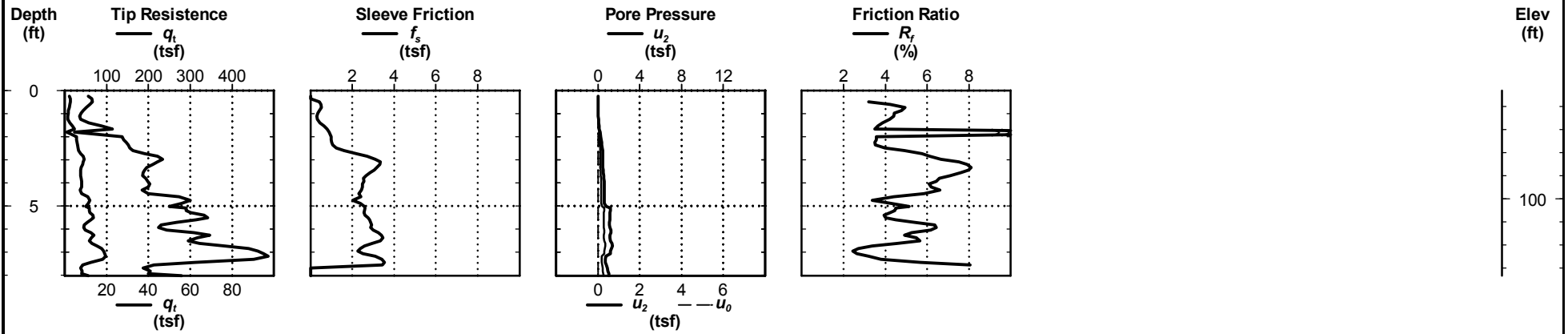


# Cone Penetration Test

**C-63**

Date: Apr. 4, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 8.0 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT\_V3.0.GDT 2/16/15

**C-63**

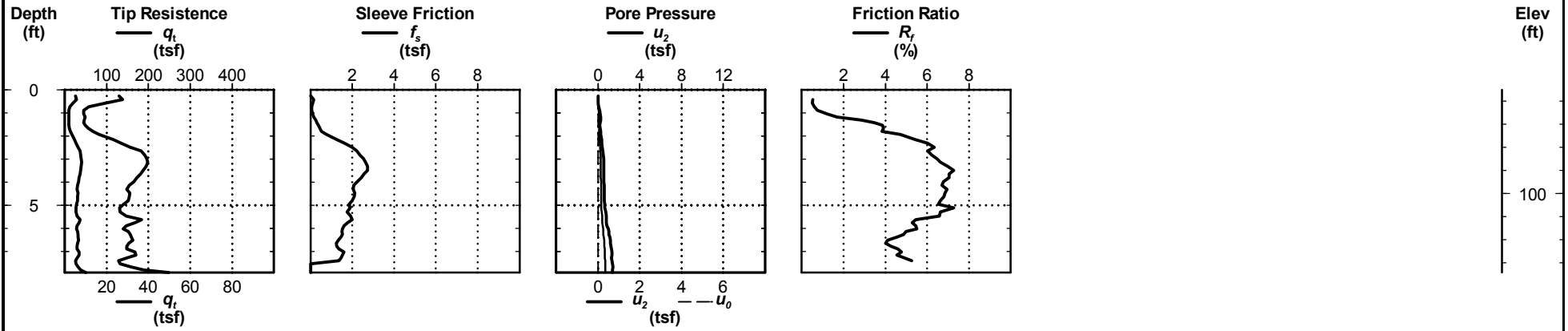


# Cone Penetration Test

**C-64**

Date: Apr. 4, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 7.9 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT\_V3.0.GDT 2/16/15

**C-64**

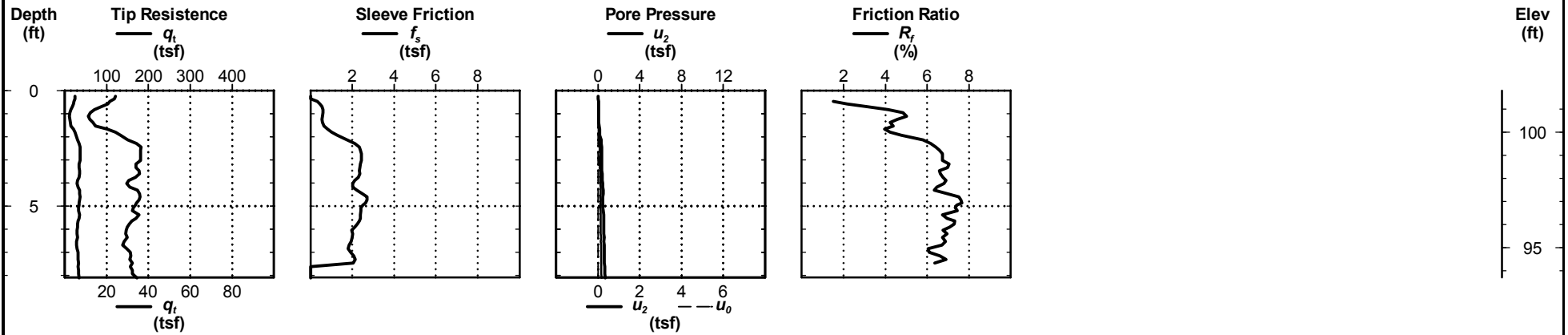


# Cone Penetration Test

**C-65**

Date: Apr. 4, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 8.1 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT\_V3.0.GDT 2/16/15

**C-65**

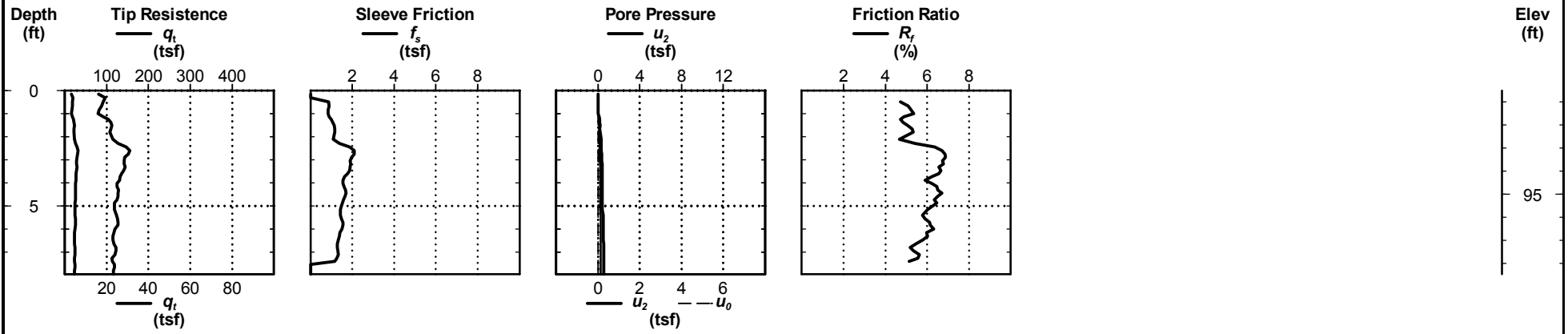


# Cone Penetration Test

**C-66**

Date: Apr. 4, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 8.0 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT V3.0.GDT 2/16/15

**C-66**

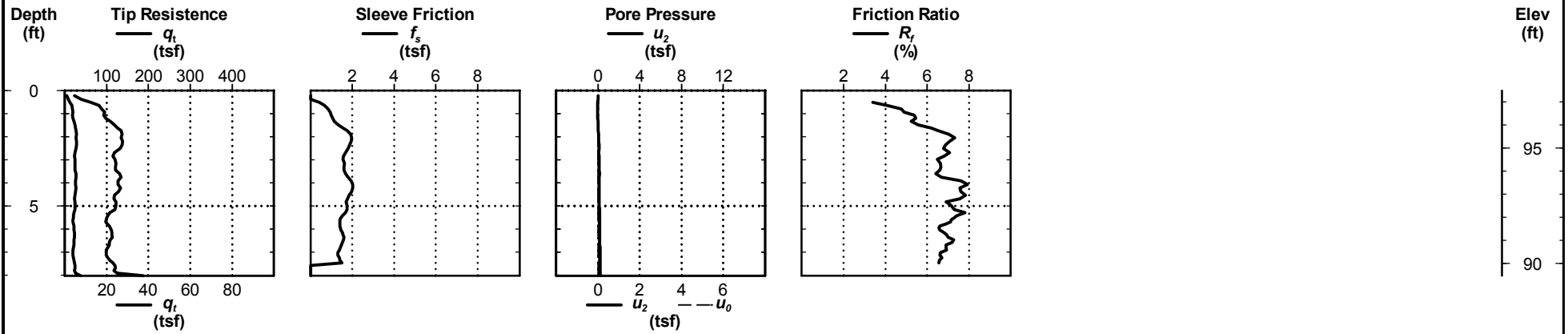


# Cone Penetration Test

**C-67**

Date: Apr. 4, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 8.0 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT\_V3.0.GDT 2/16/15

**C-67**

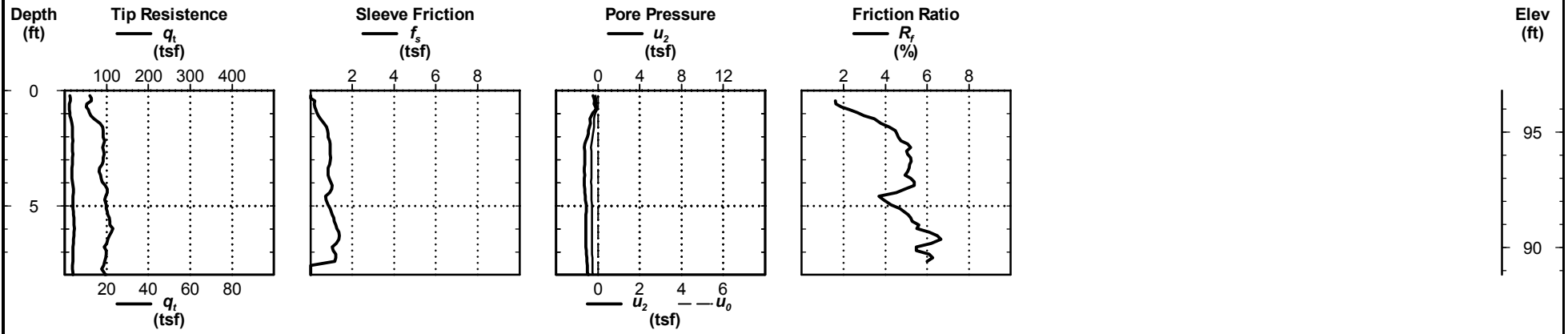


# Cone Penetration Test

**C-68**

Date: Apr. 4, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 8.0 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT V3.0.GDT 2/16/15

**C-68**

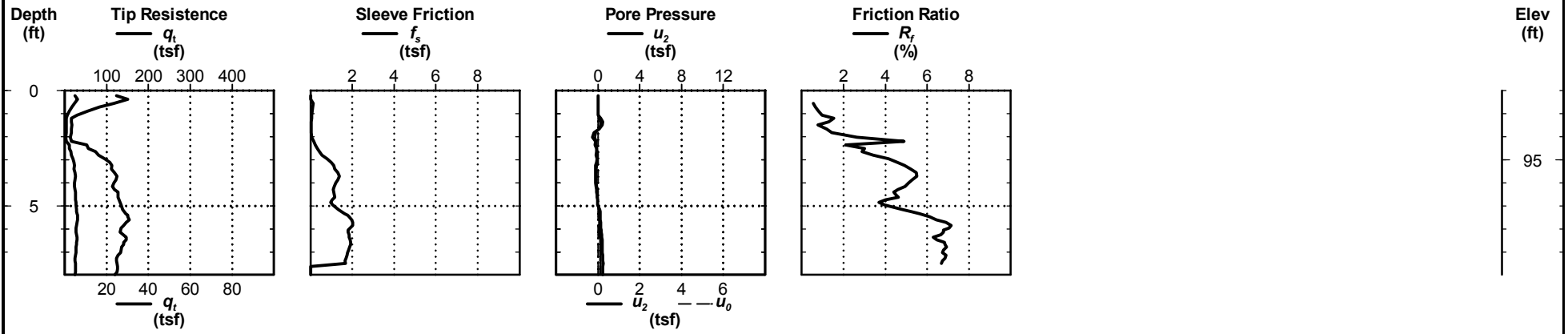


# Cone Penetration Test

**C-69**

Date: Apr. 4, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 8.0 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT V3.0.GDT 2/16/15

**C-69**



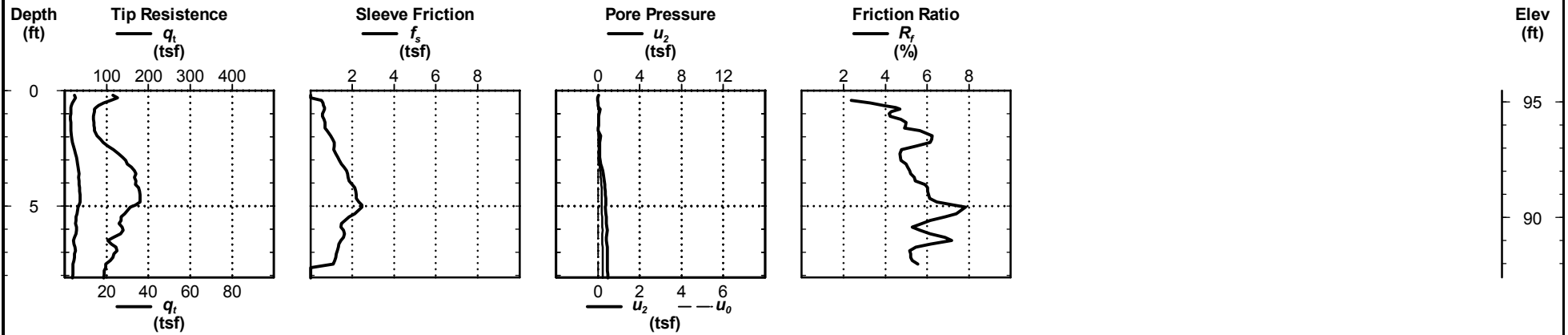


# Cone Penetration Test

**C-70**

Date: Apr. 4, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 8.1 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT\_V3.0.GDT 2/16/15

**C-70**

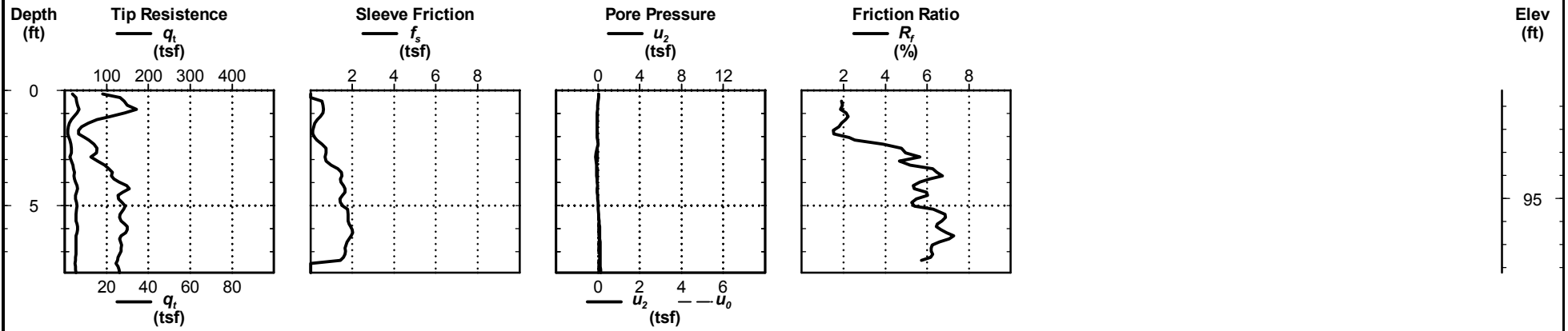


# Cone Penetration Test

**C-71**

Date: Apr. 4, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 7.9 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT\_V3.0.GDT 2/16/15

**C-71**

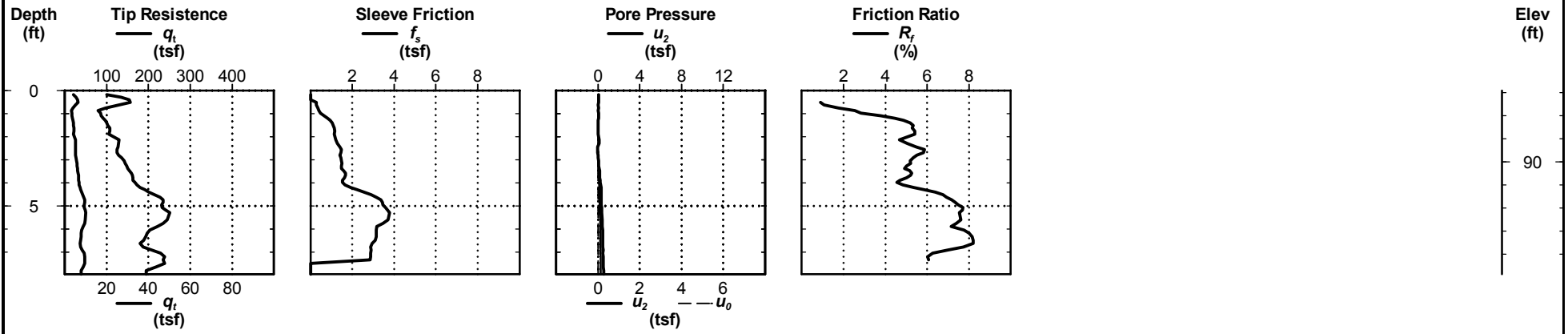


# Cone Penetration Test

**C-72**

Date: Apr. 4, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 8.0 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT V3.0.GDT 2/16/15

**C-72**

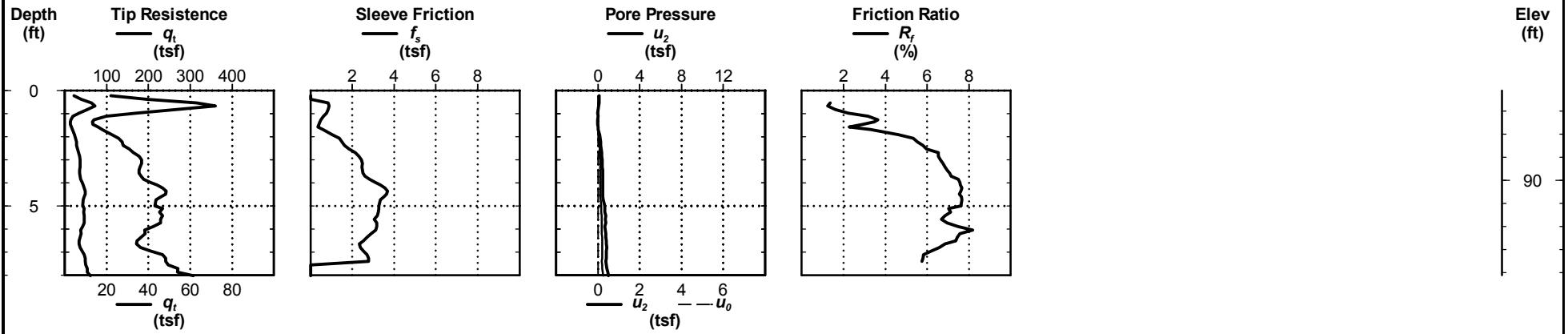


# Cone Penetration Test

**C-73**

Date: Apr. 4, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 8.0 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT\_V3.0.GDT 2/16/15

**C-73**

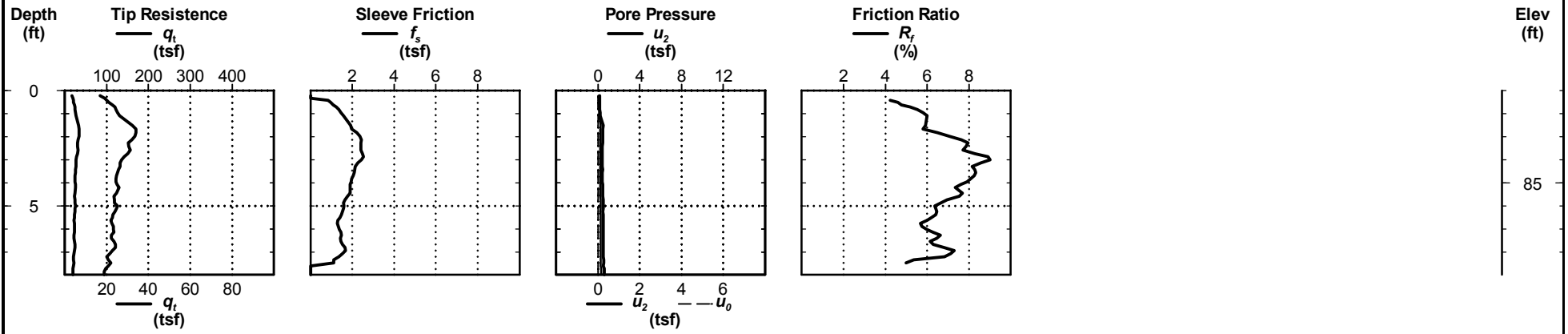


# Cone Penetration Test

**C-74**

Date: Apr. 4, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 8.0 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT V3.0.GDT 2/16/15

**C-74**

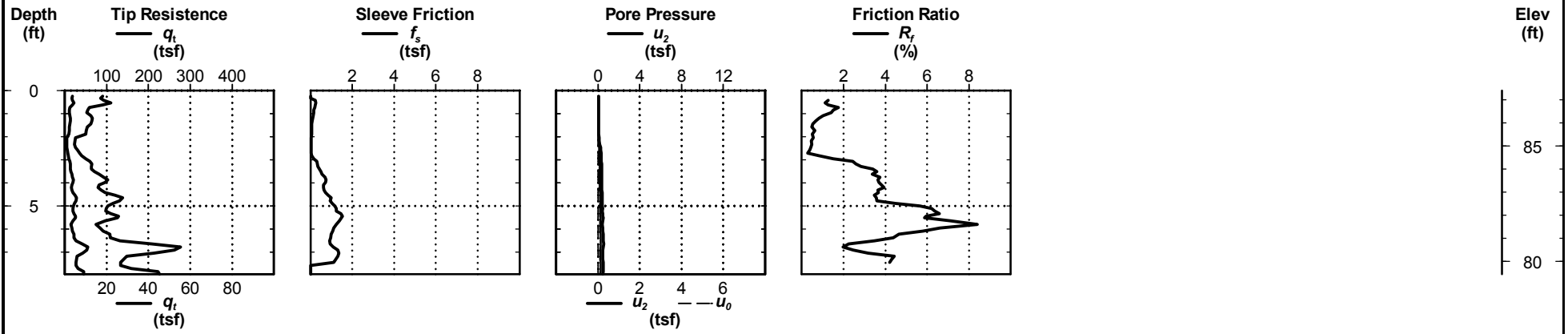


# Cone Penetration Test

**C-75**

Date: Apr. 4, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 8.0 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT V3.0.GDT 2/16/15

**C-75**

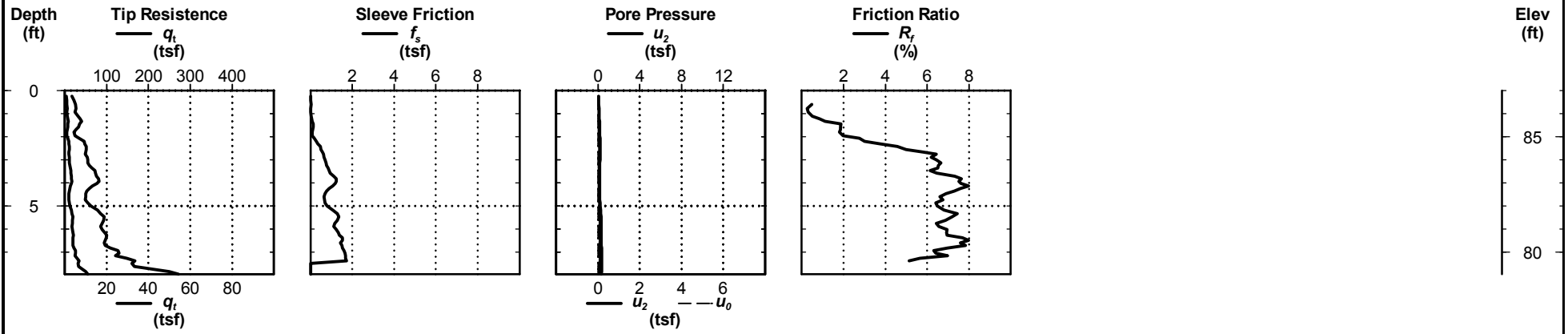


# Cone Penetration Test

**C-76**

Date: Apr. 4, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 8.0 ft  
 Termination Criteria: Target Depth  
 Cone Size:



**C-76**

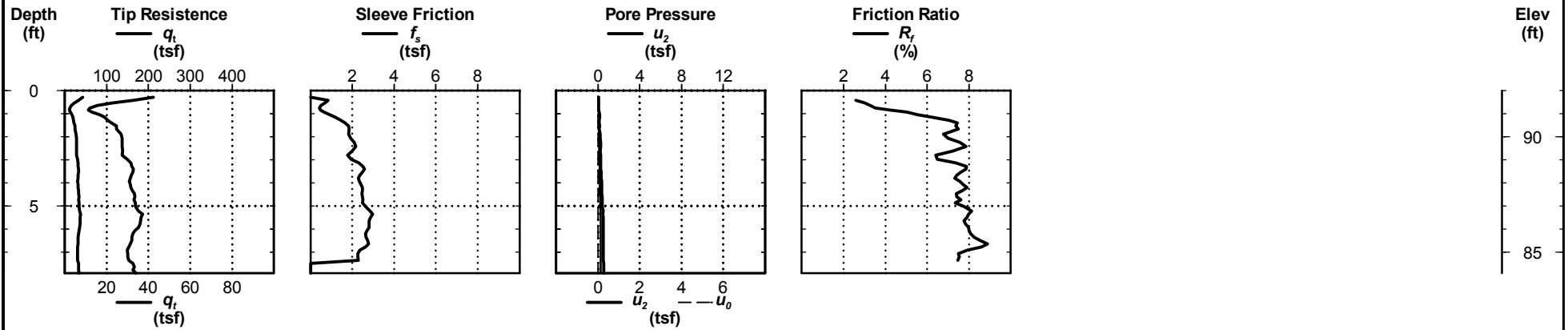


# Cone Penetration Test

**C-77**

Date: Apr. 4, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 7.9 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT\_V3.0.GDT 2/16/15

**C-77**



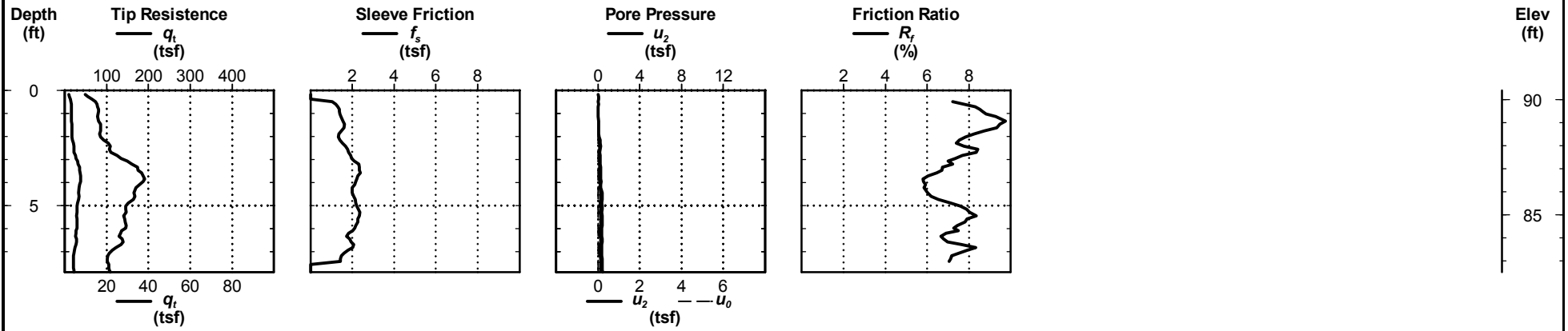


# Cone Penetration Test

**C-78**

Date: Apr. 4, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 7.9 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT V3.0.GDT 2/16/15

**C-78**

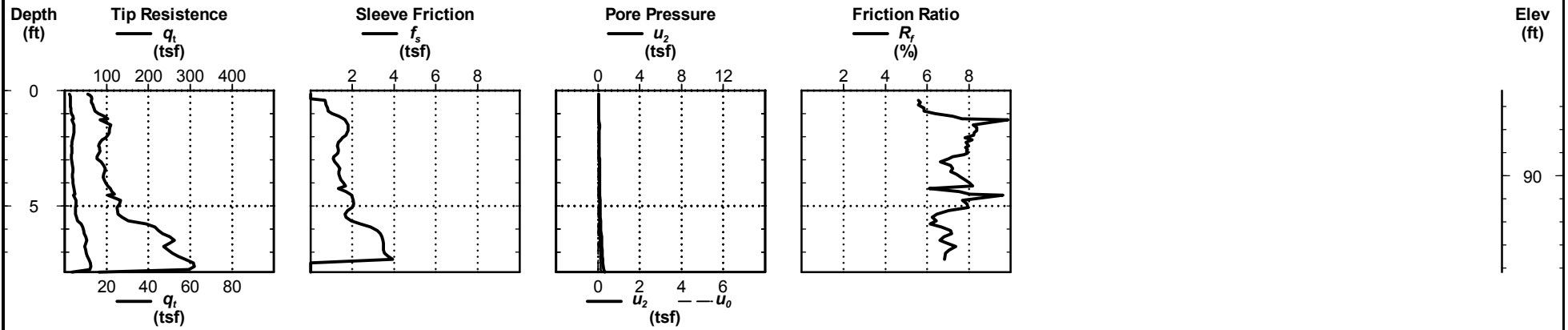


# Cone Penetration Test

**C-79**

Date: Apr. 4, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 7.9 ft  
 Termination Criteria: Target Depth  
 Cone Size:



**C-79**

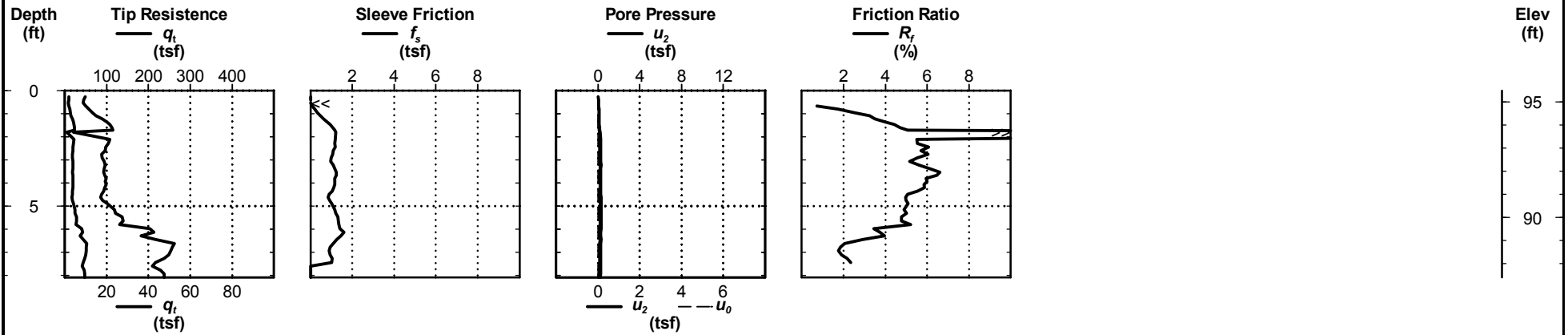


# Cone Penetration Test

**C-80**

Date: Apr. 4, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 8.1 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT V3.0.GDT 2/16/15

**C-80**

R-2582A

81-134

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
GEOTECHNICAL ENGINEERING UNIT  
SUBSURFACE INVESTIGATION  
APPENDIX I  
CPT LOGS  
INVENTORY SECTION 6

PROJECT: 34472  
REFERENCE: R-2582A

DS

/CB

INITIALS

3/11/2015

DATE

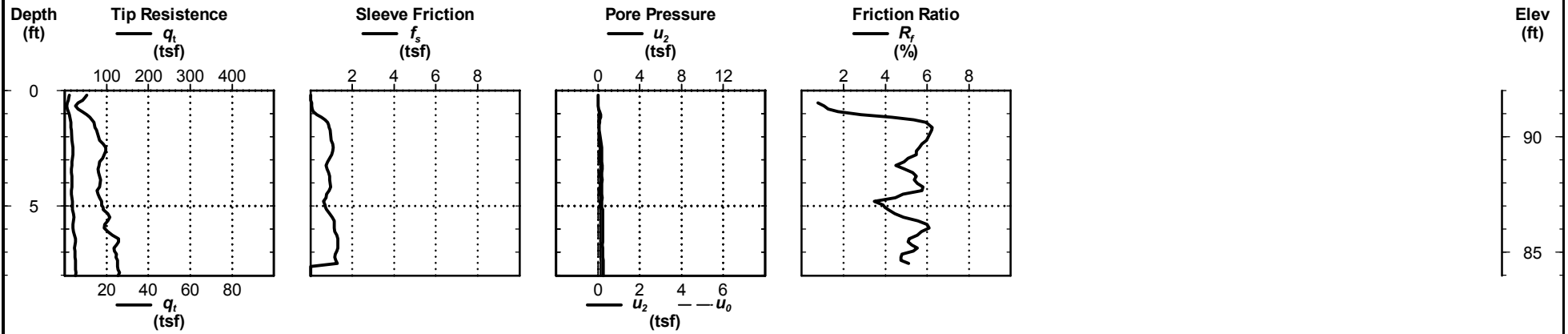


# Cone Penetration Test

**C-81**

Date: Apr. 4, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 8.0 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT V3.0.GDT 2/16/15

**C-81**

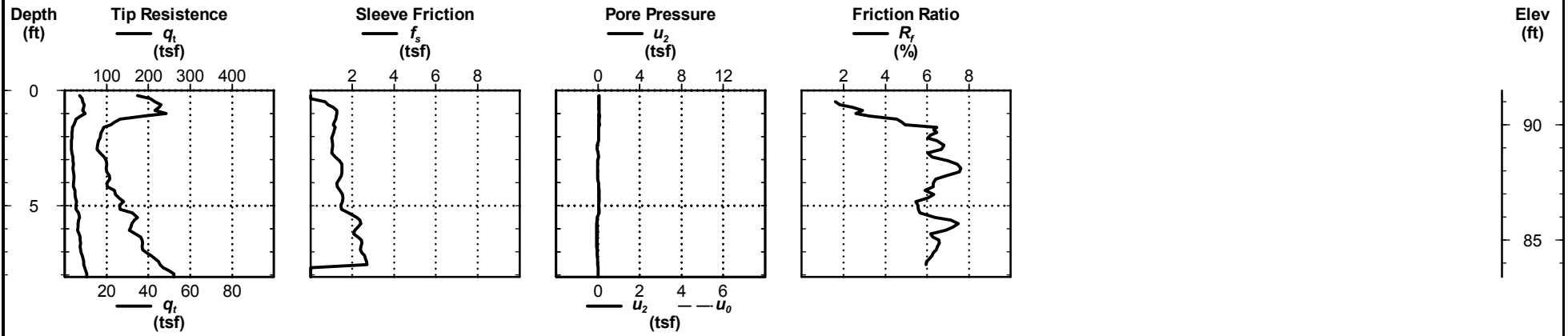


# Cone Penetration Test

**C-82**

Date: Apr. 4, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 8.1 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT V3.0.GDT 2/16/15

**C-82**

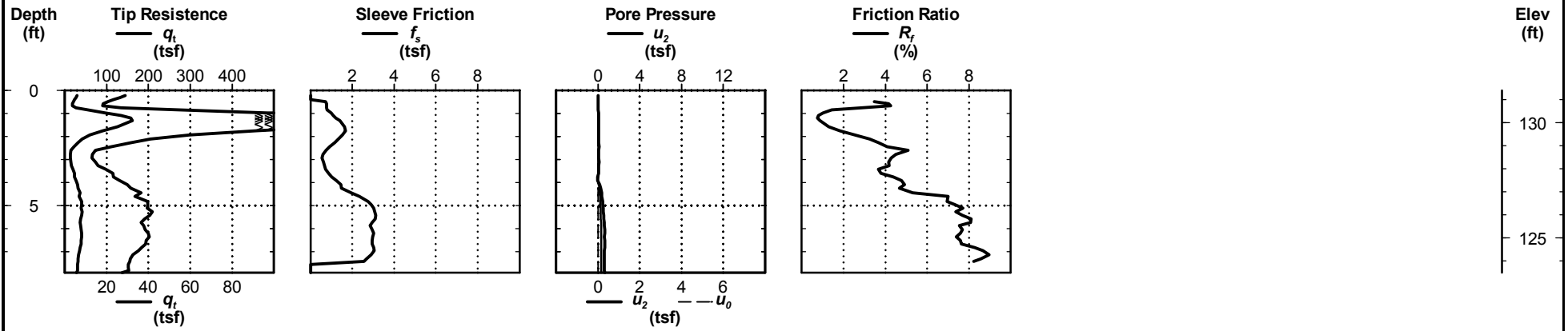


# Cone Penetration Test

**C-83**

Date: Apr. 9, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 7.9 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT\_V3.0.GDT 2/16/15

**C-83**

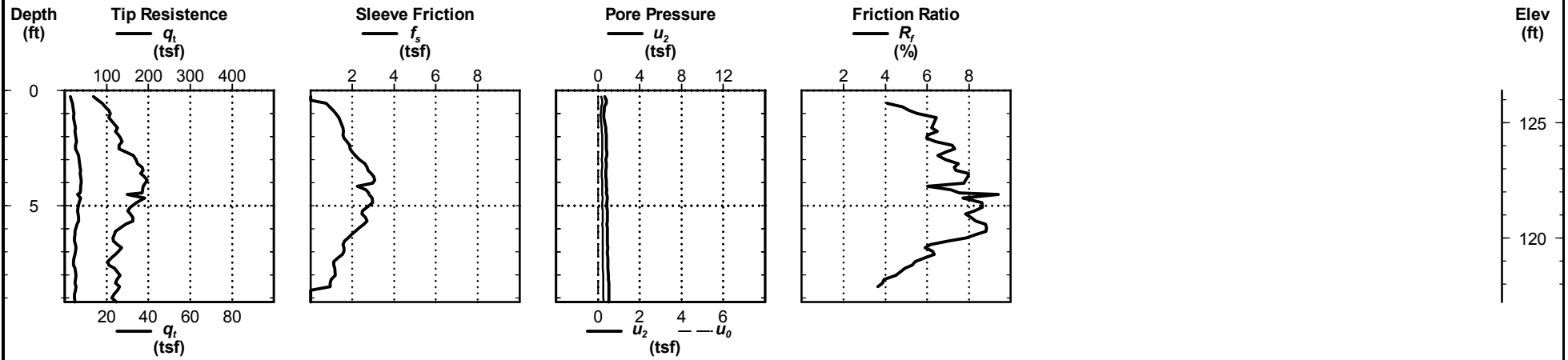


# Cone Penetration Test

**C-84**

Date: Apr. 9, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 9.2 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT\_V3.0.GDT 2/16/15

**C-84**



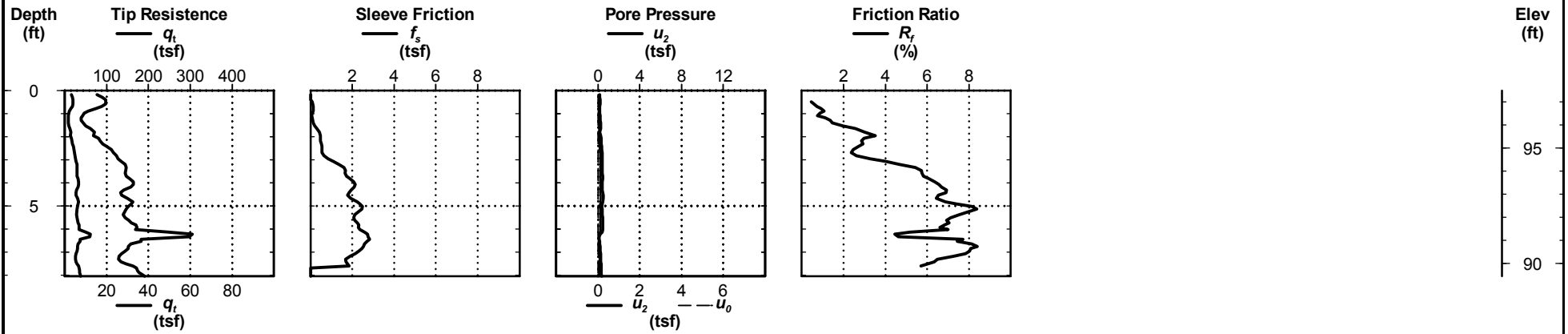


# Cone Penetration Test

**C-85**

Date: Apr. 9, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 8.1 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT V3.0.GDT 2/16/15

**C-85**

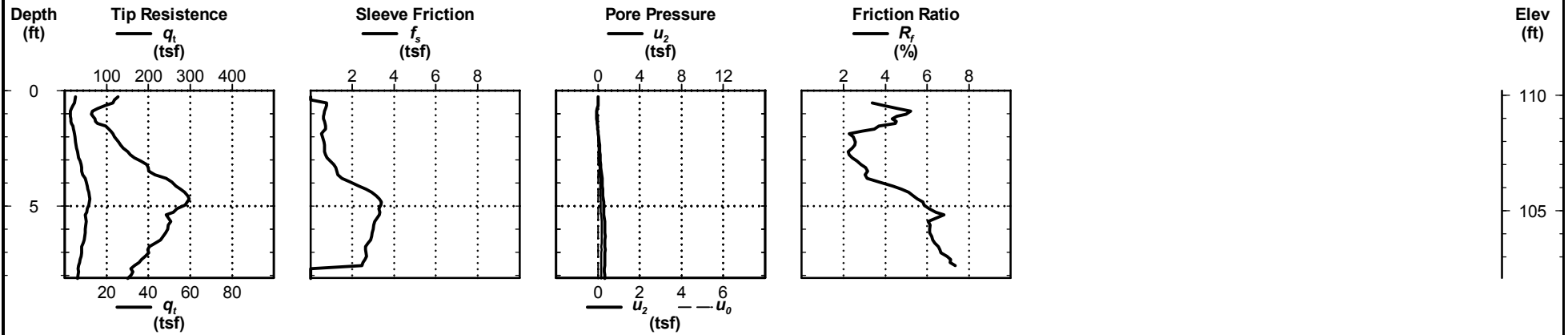


# Cone Penetration Test

**C-86**

Date: Apr. 9, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 8.1 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT\_V3.0.GDT 2/16/15

**C-86**

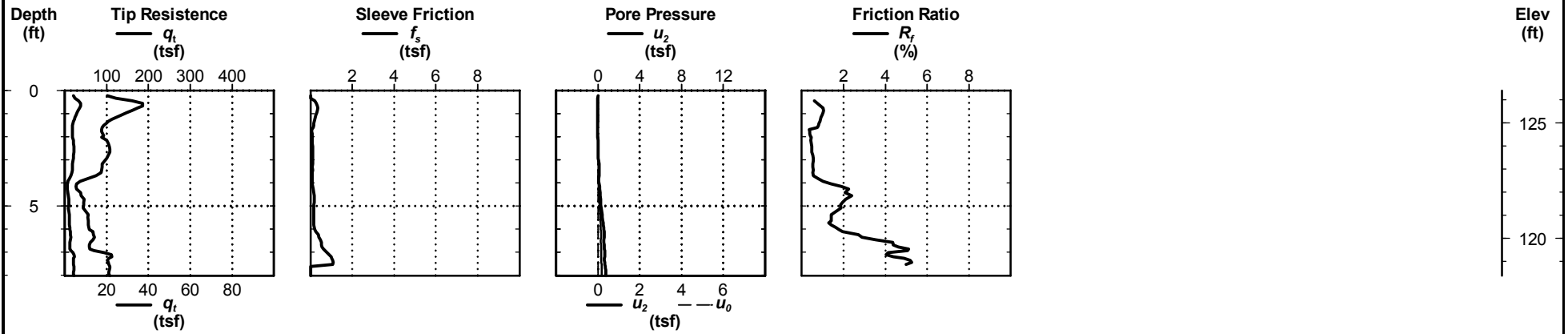


# Cone Penetration Test

**C-87**

Date: Apr. 9, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 8.0 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT V3.0.GDT 2/16/15

**C-87**

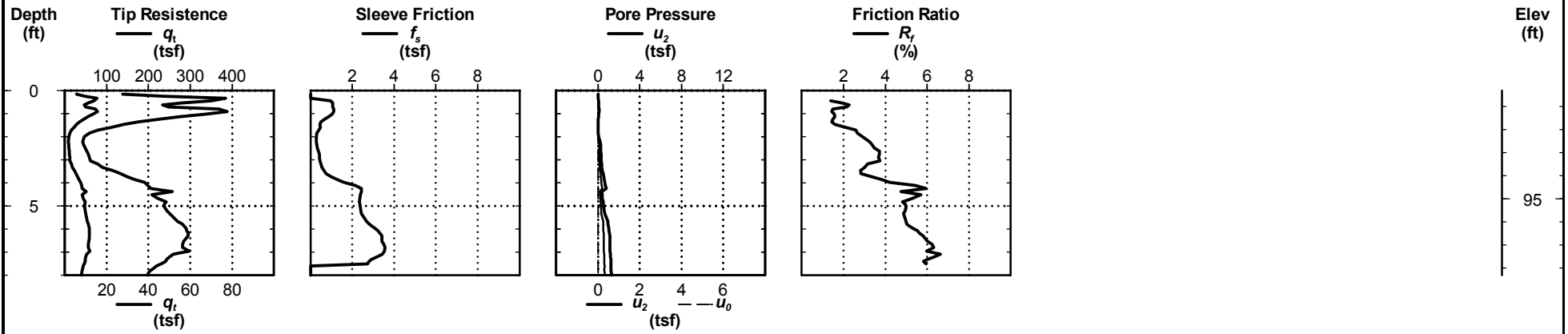


# Cone Penetration Test

**C-88**

Date: Apr. 9, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 8.0 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT V3.0.GDT 2/16/15

**C-88**

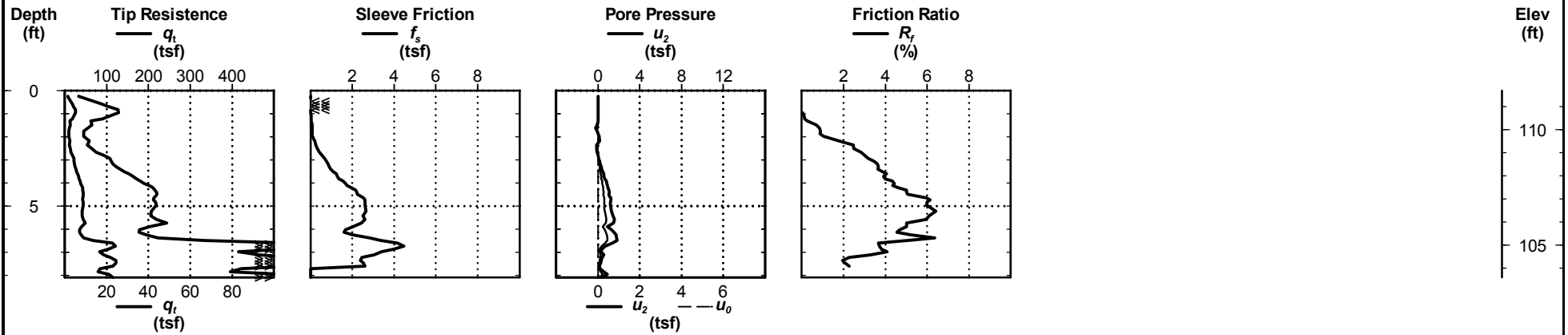


# Cone Penetration Test

**C-89**

Date: Apr. 9, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 8.1 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT V3.0.GDT 2/16/15

**C-89**

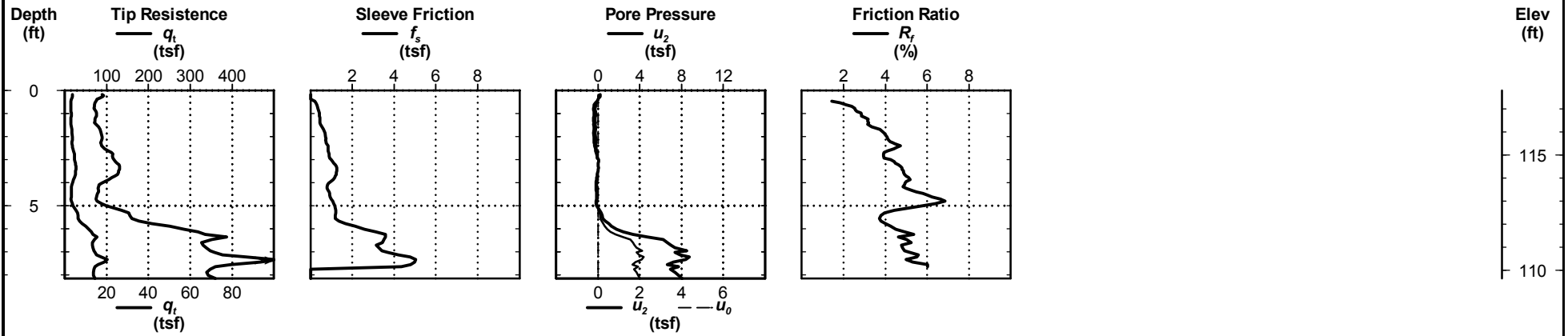


# Cone Penetration Test

**C-90**

Date: Apr. 8, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 8.2 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT\_V3.0.GDT 2/16/15

**C-90**

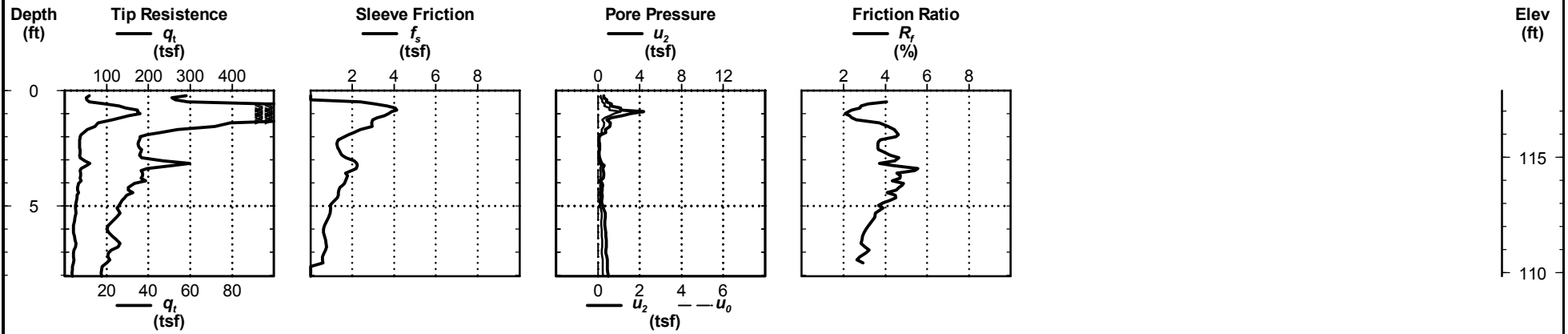


# Cone Penetration Test

**C-91**

Date: Apr. 8, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 8.1 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT V3.0.GDT 2/16/15

**C-91**

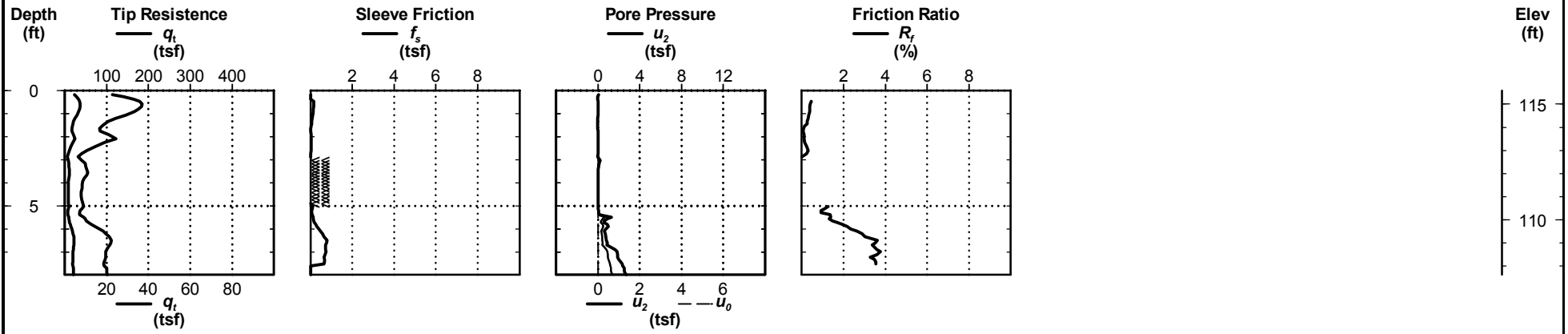


# Cone Penetration Test

**C-92**

Date: Apr. 8, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 8.0 ft  
 Termination Criteria: Target Depth  
 Cone Size:



**C-92**



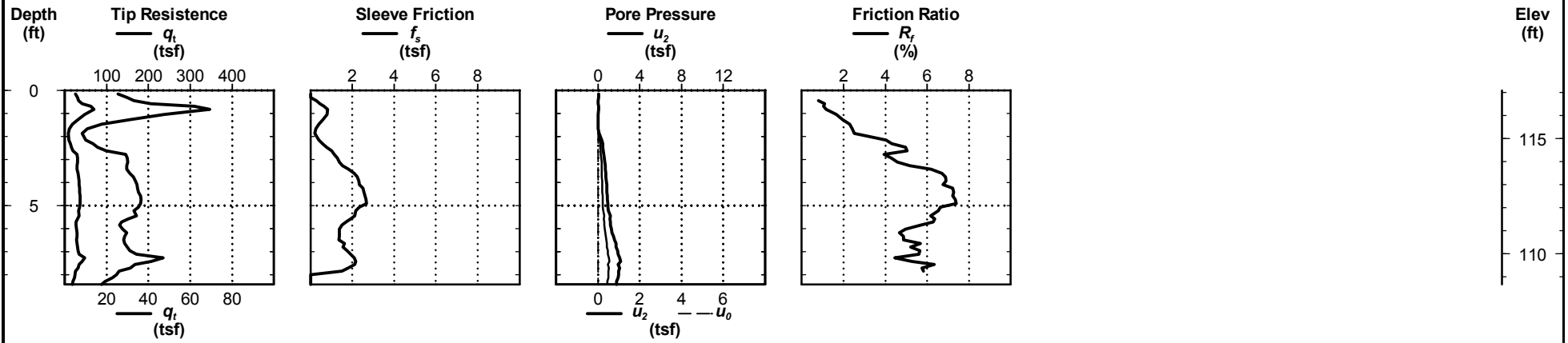


# Cone Penetration Test

**C-93**

Date: Apr. 5, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 8.4 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT\_V3.0.GDT 2/16/15

**C-93**

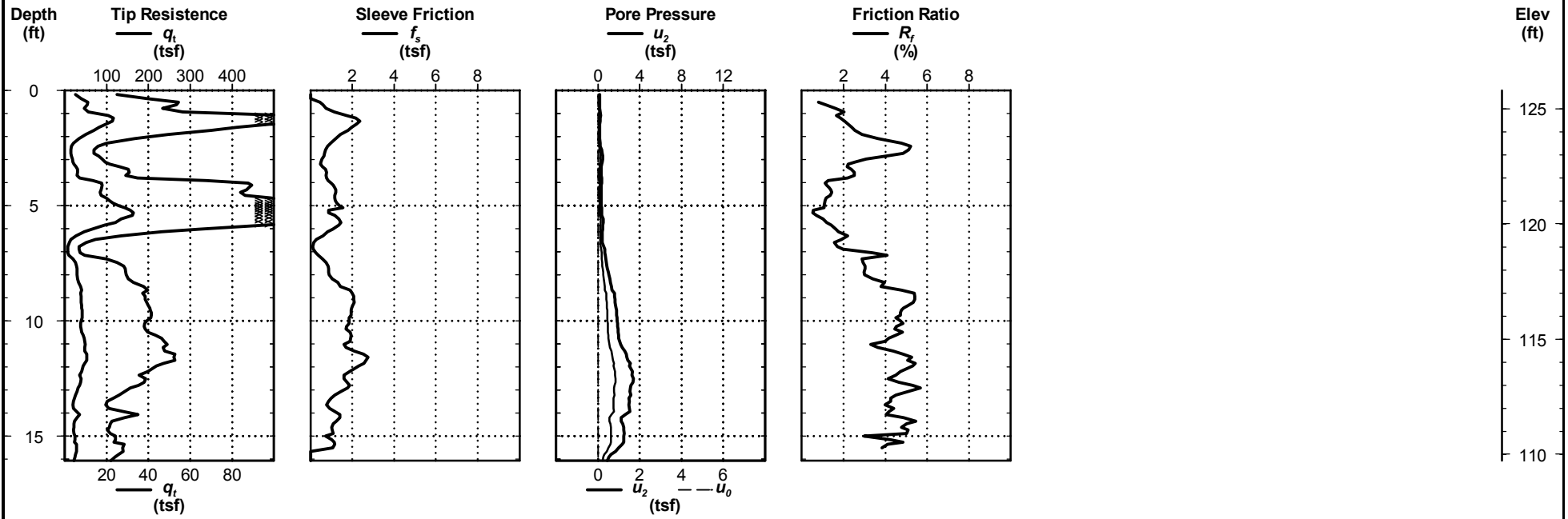


# Cone Penetration Test

**C-94**

Date: Apr. 5, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 16.1 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT V3.0.GDT 2/16/15

**C-94**

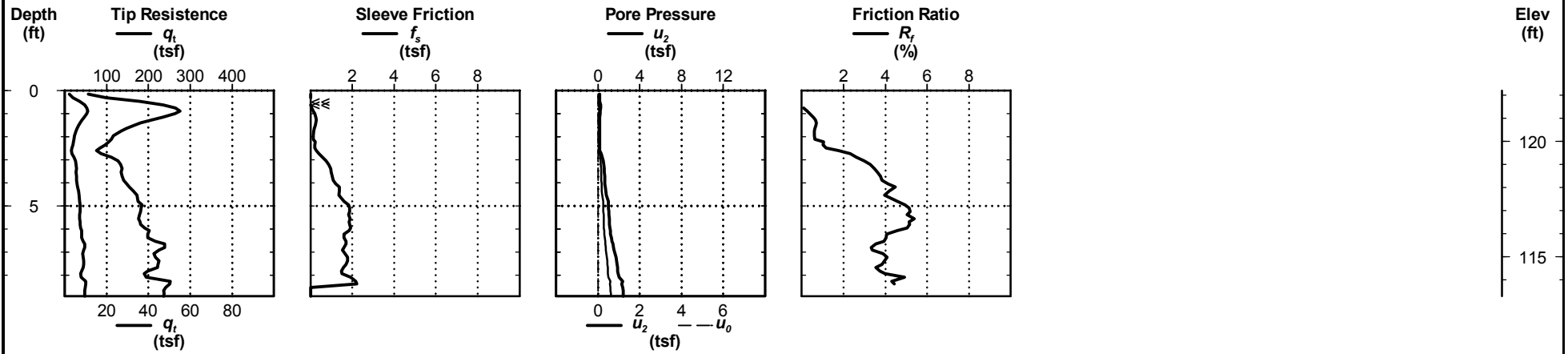


# Cone Penetration Test

**C-95**

Date: Apr. 5, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 8.9 ft  
 Termination Criteria: Target Depth  
 Cone Size:



**C-95**

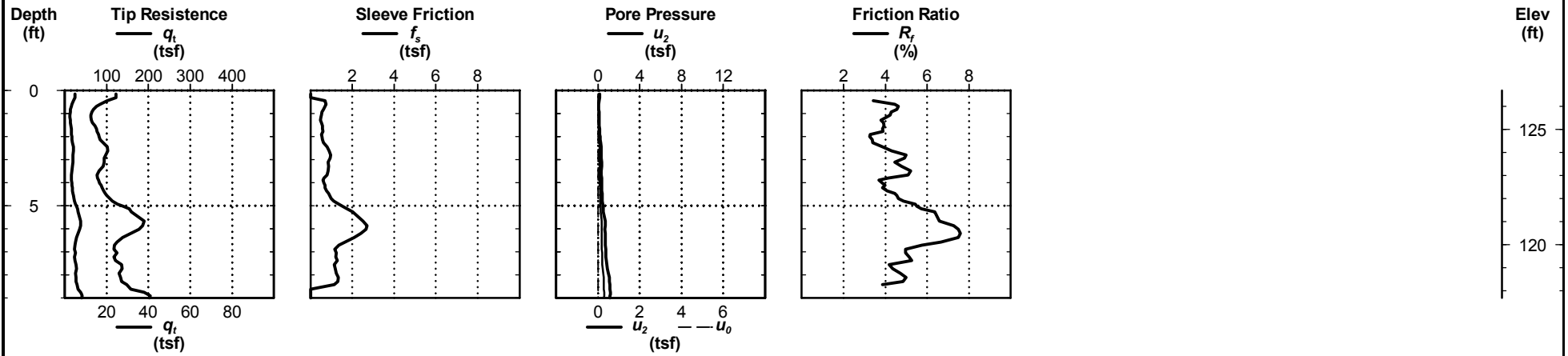


# Cone Penetration Test

**C-96**

Date: Apr. 5, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 9.0 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT\_V3.0.GDT 2/16/15

**C-96**

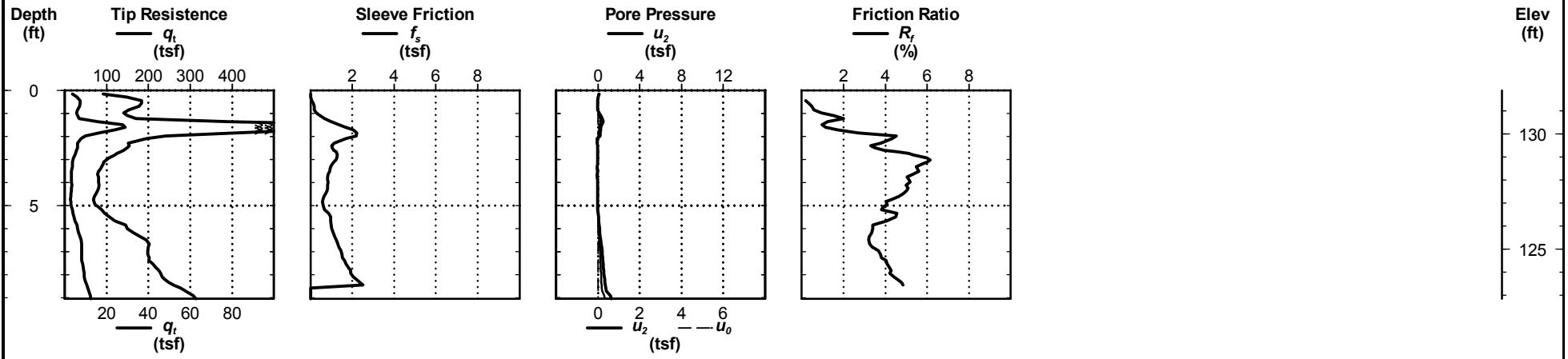


# Cone Penetration Test

**C-97**

Date: Apr. 5, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 9.1 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT\_V3.0.GDT 2/16/15

**C-97**

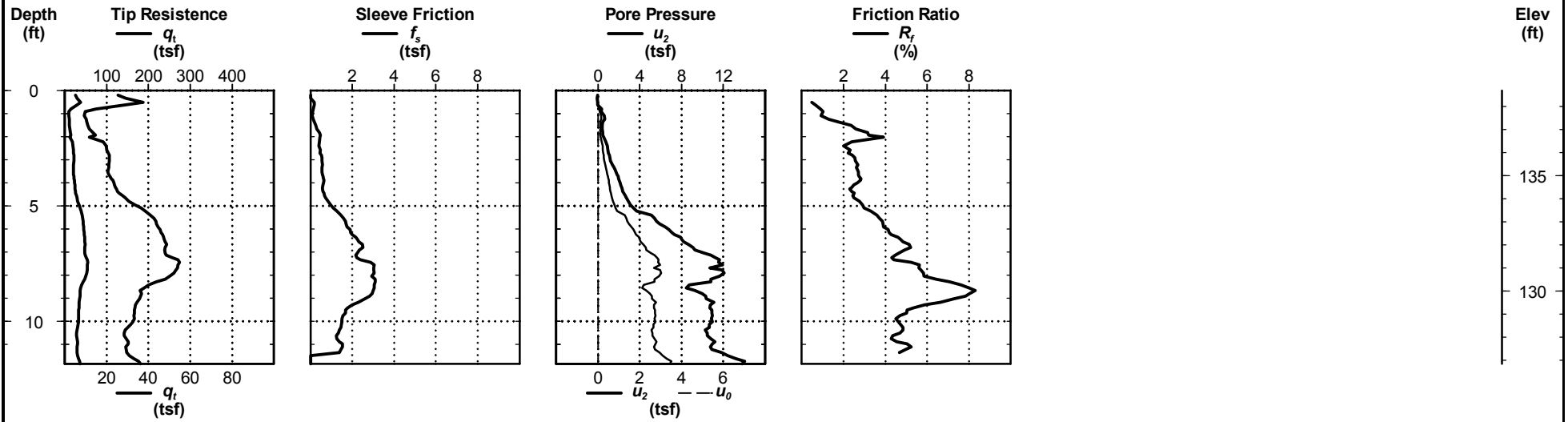


# Cone Penetration Test

**C-98**

Date: Apr. 5, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 11.9 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT\_V3.0.GDT 2/16/15

**C-98**

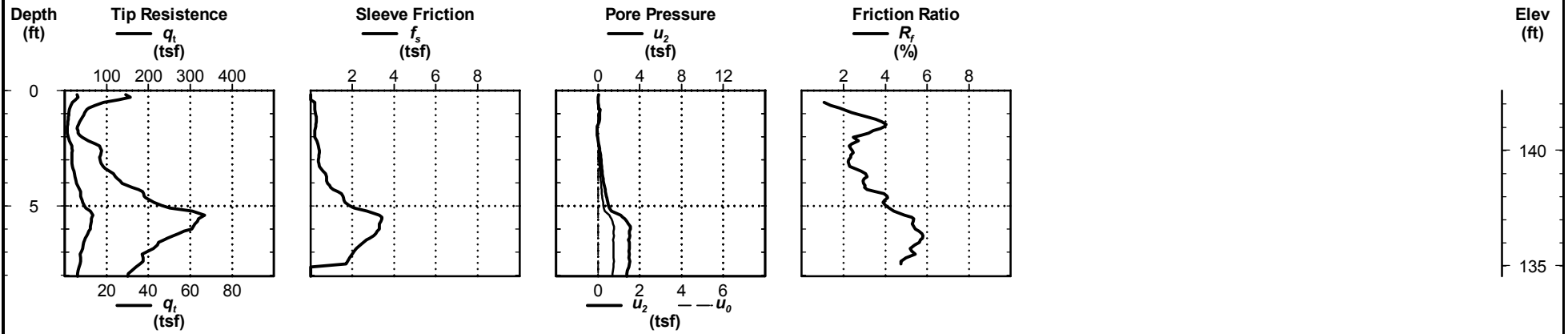


# Cone Penetration Test

**C-99**

Date: Apr. 5, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 8.1 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT V3.0.GDT 2/16/15

**C-99**

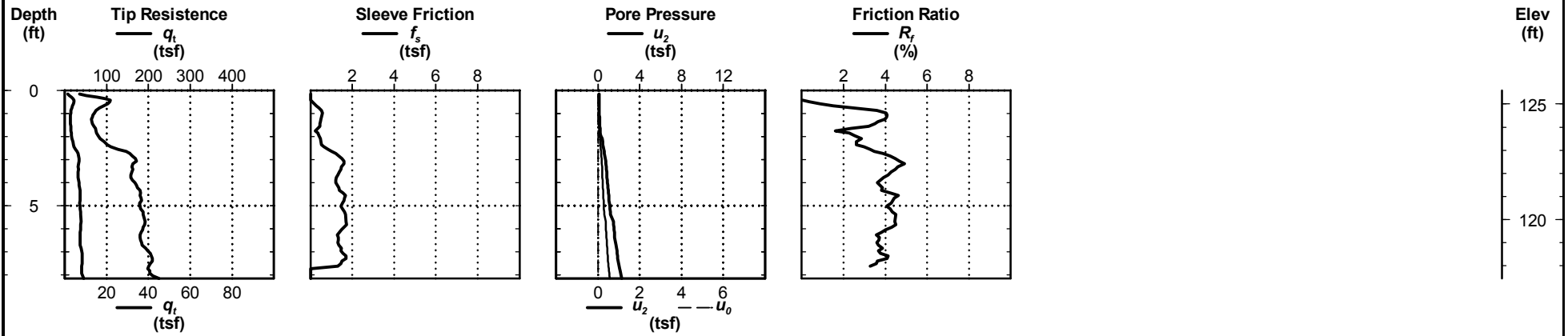


# Cone Penetration Test

## C-100

Date: Apr. 5, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 8.2 ft  
 Termination Criteria: Target Depth  
 Cone Size:



## C-100



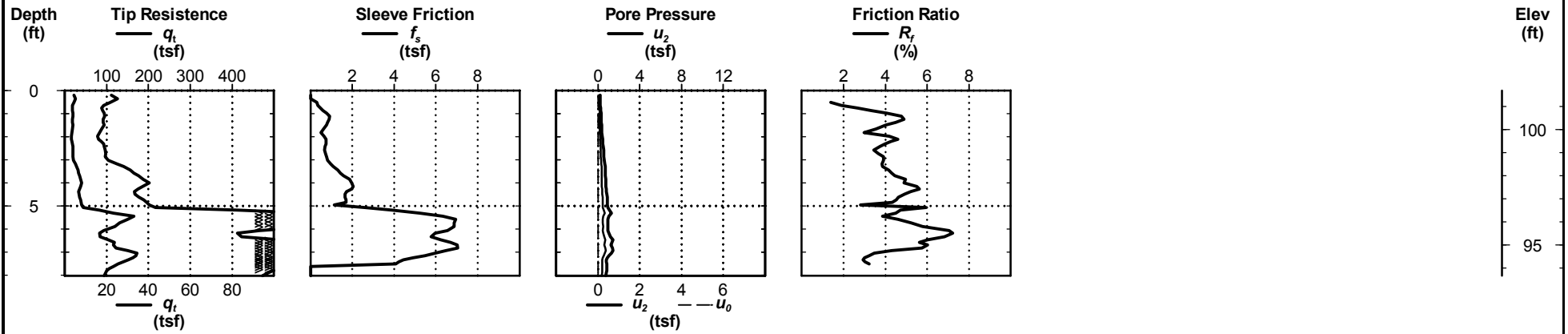


# Cone Penetration Test

# C-101

Date: Apr. 10, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 8.0 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT V3.0.GDT 2/16/15

# C-101

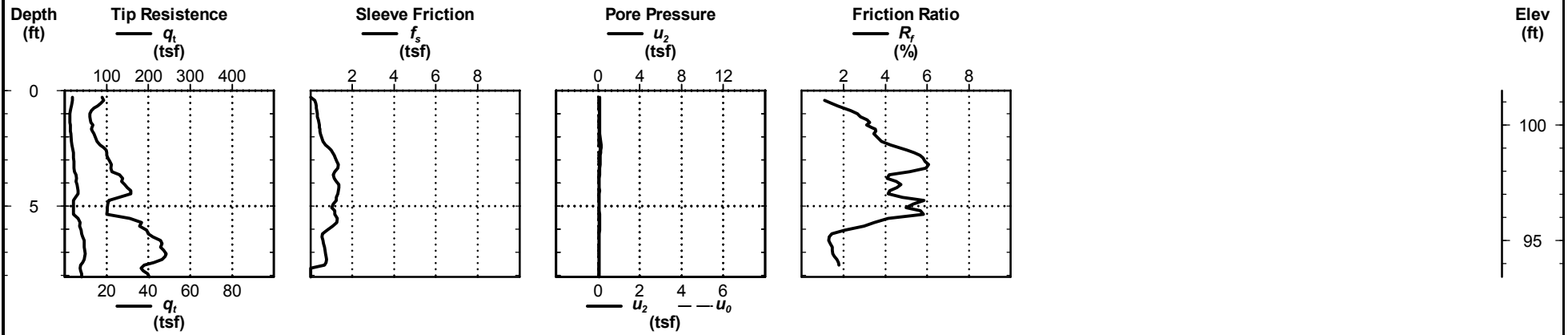


# Cone Penetration Test

## C-102

Date: Apr. 10, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 8.1 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT V3.0.GDT 2/16/15

## C-102

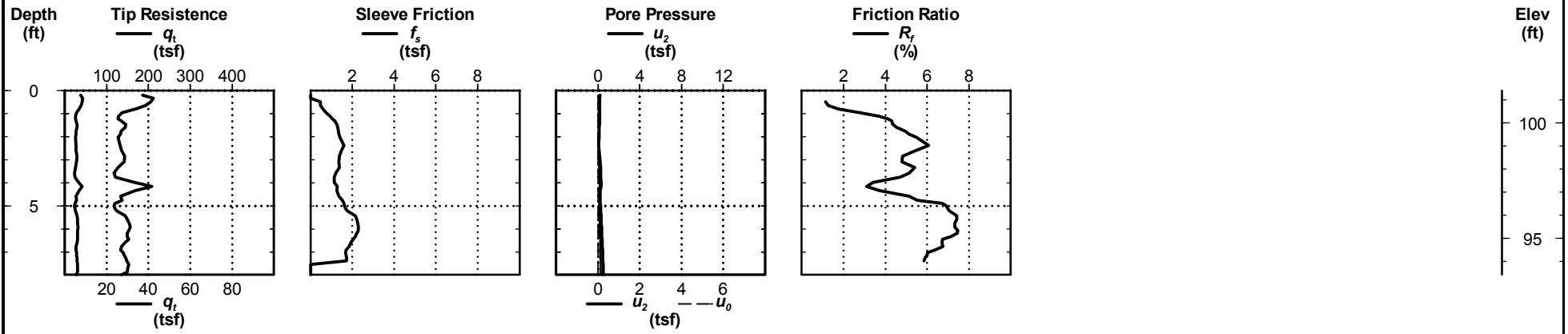


# Cone Penetration Test

**C-103**

Date: Apr. 10, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 8.0 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT\_V3.0.GDT 2/16/15

**C-103**

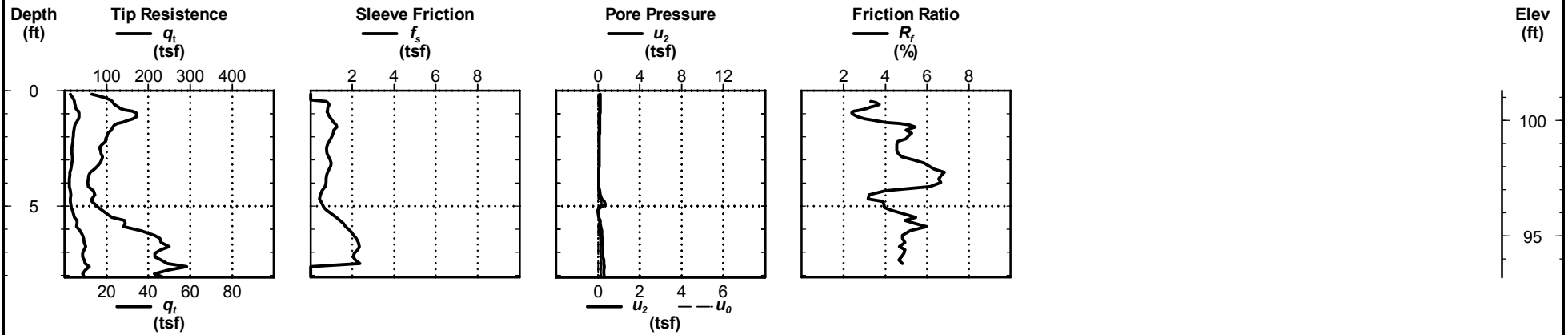


# Cone Penetration Test

## C-104

Date: Apr. 10, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 8.1 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT\_V3.0.GDT 2/16/15

## C-104

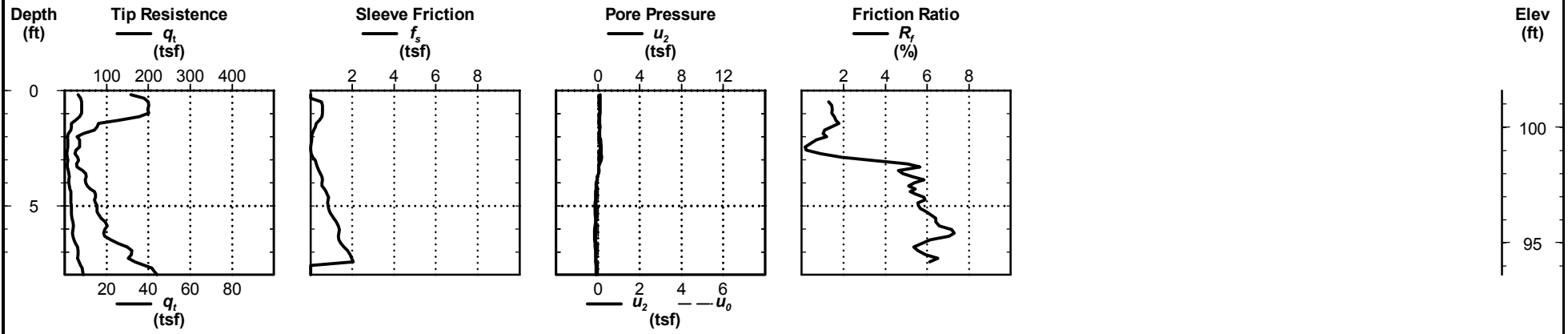


# Cone Penetration Test

## C-105

Date: Apr. 10, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 8.0 ft  
 Termination Criteria: Target Depth  
 Cone Size:



## C-105

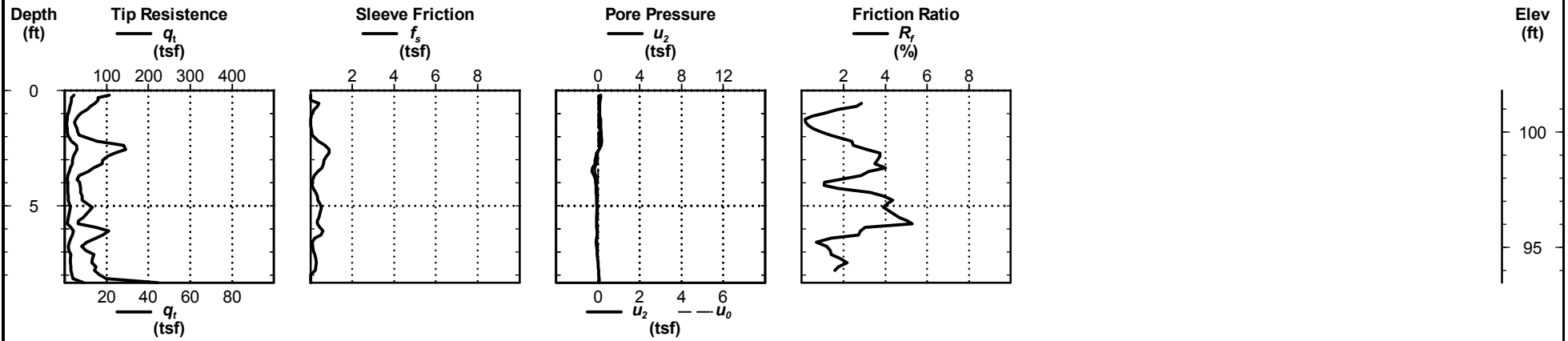


# Cone Penetration Test

**C-106**

Date: Apr. 10, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 8.3 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT\_V3.0.GDT 2/16/15

**C-106**

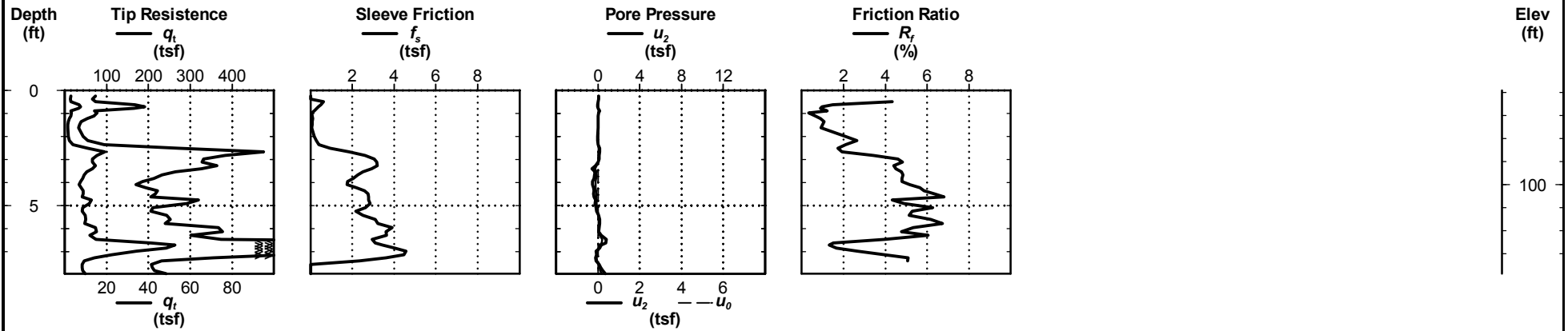


# Cone Penetration Test

## C-107

Date: Apr. 3, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 8.0 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT V3.0.GDT 2/16/15

## C-107

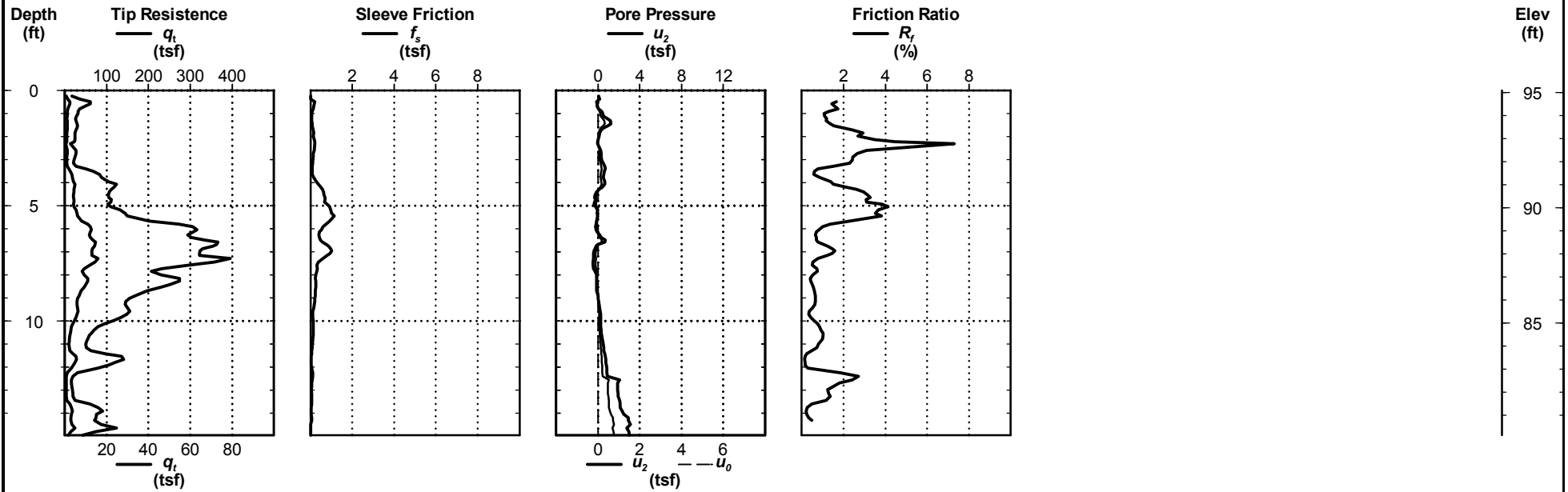


# Cone Penetration Test

## C-108

Date: Apr. 3, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 15.0 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT\_V3.0.GDT 2/16/15

## C-108



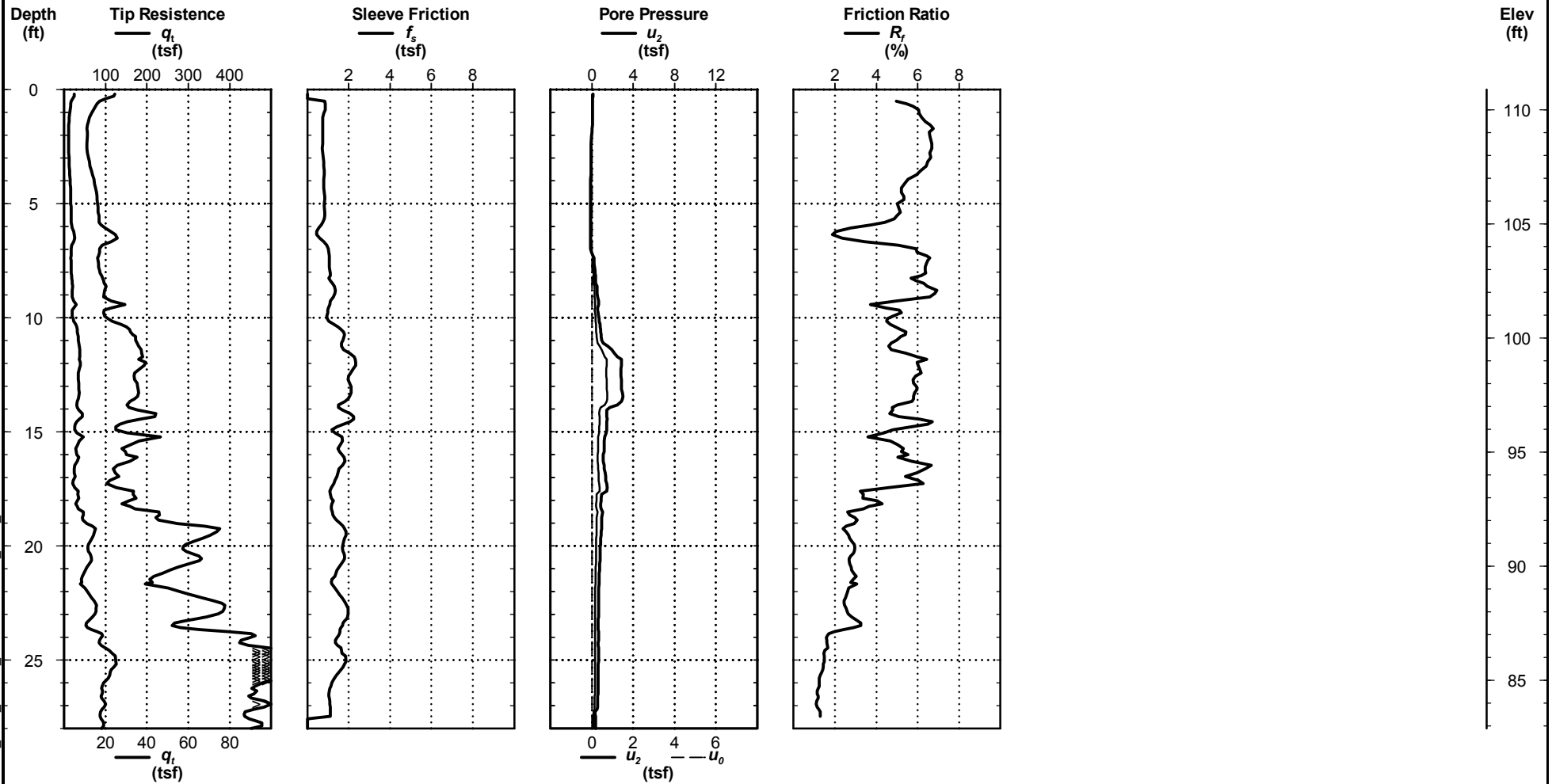


# Cone Penetration Test

## C-109

Date: Apr. 3, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 28.0 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT\_V3.0.GDT 2/16/15

## C-109

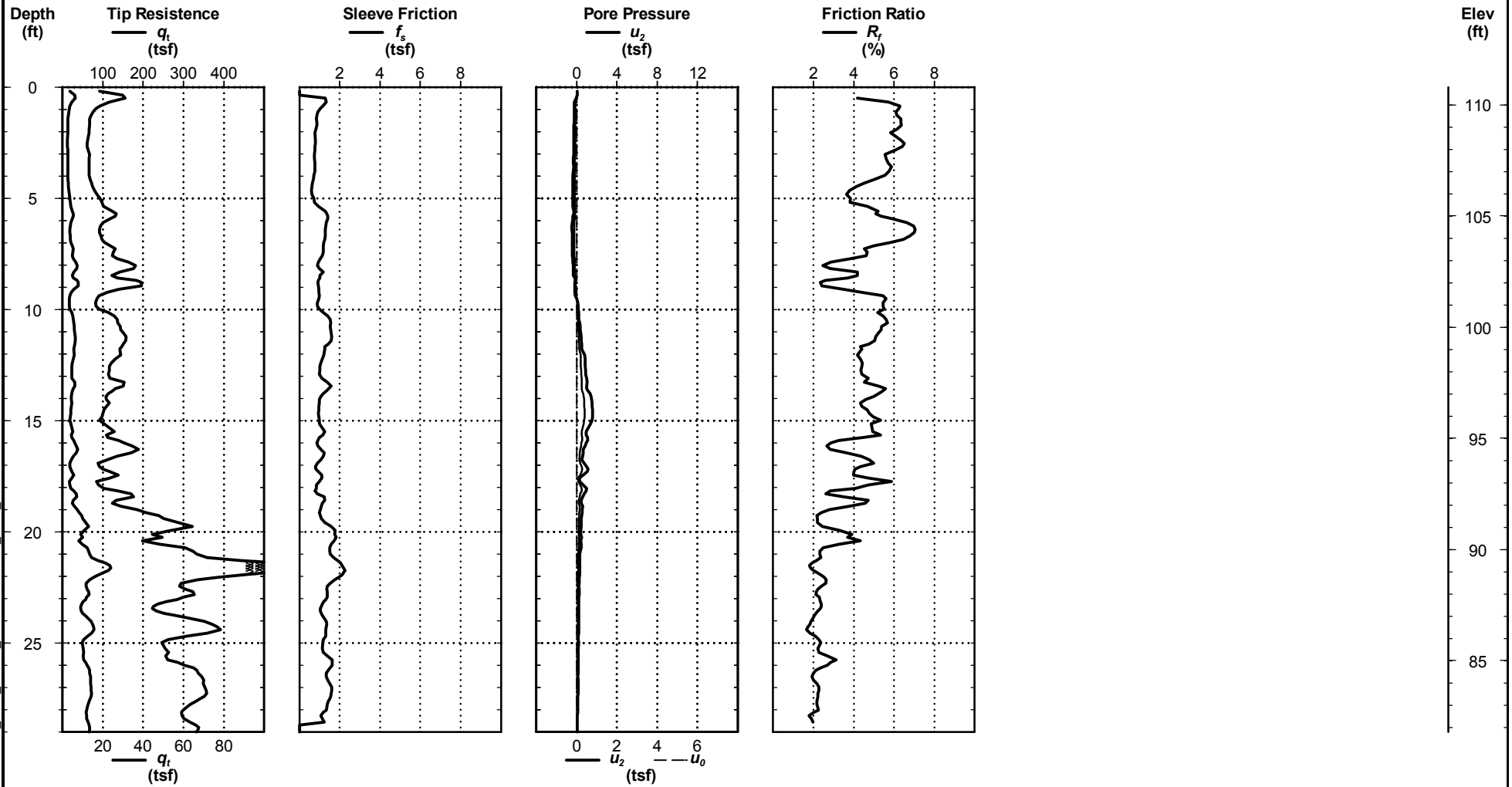


# Cone Penetration Test

# C-110

Date: Apr. 3, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 29.0 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT\_V3.0.GDT 2/16/15

# C-110

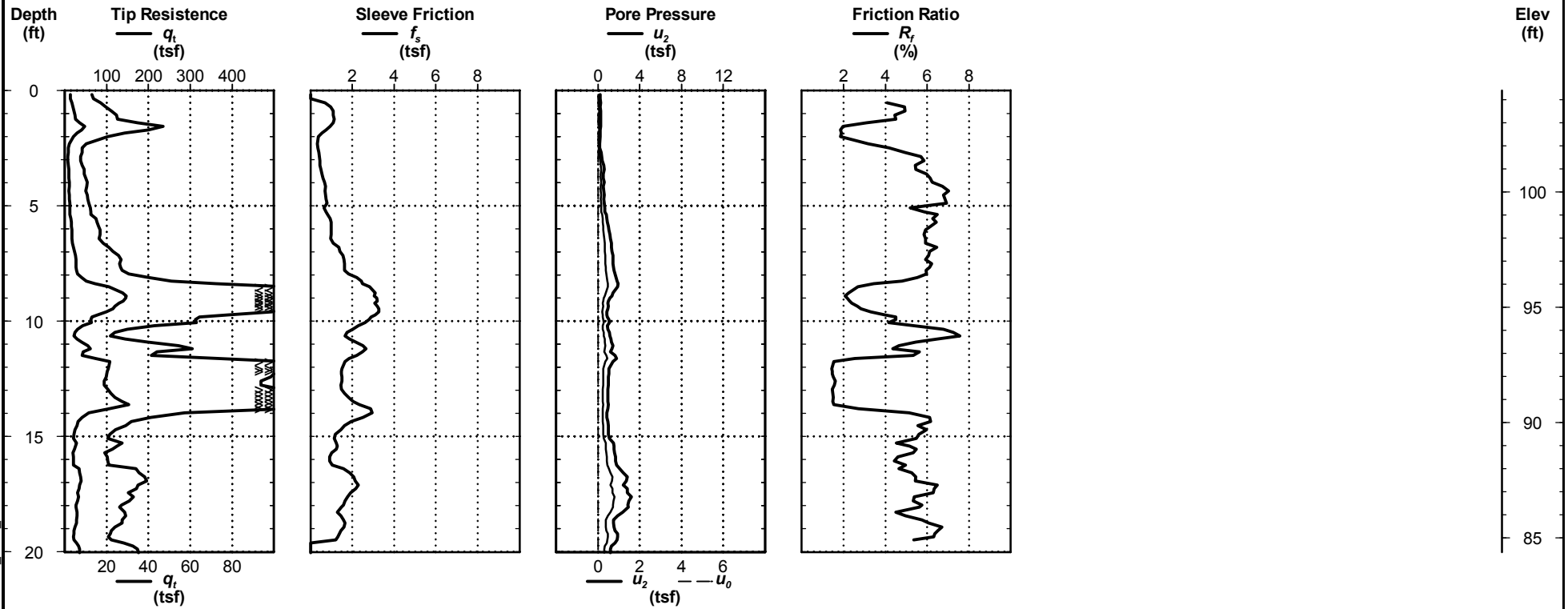


# Cone Penetration Test

# C-111

Date: Apr. 3, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 20.0 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT\_V3.0.GDT 2/16/15

# C-111

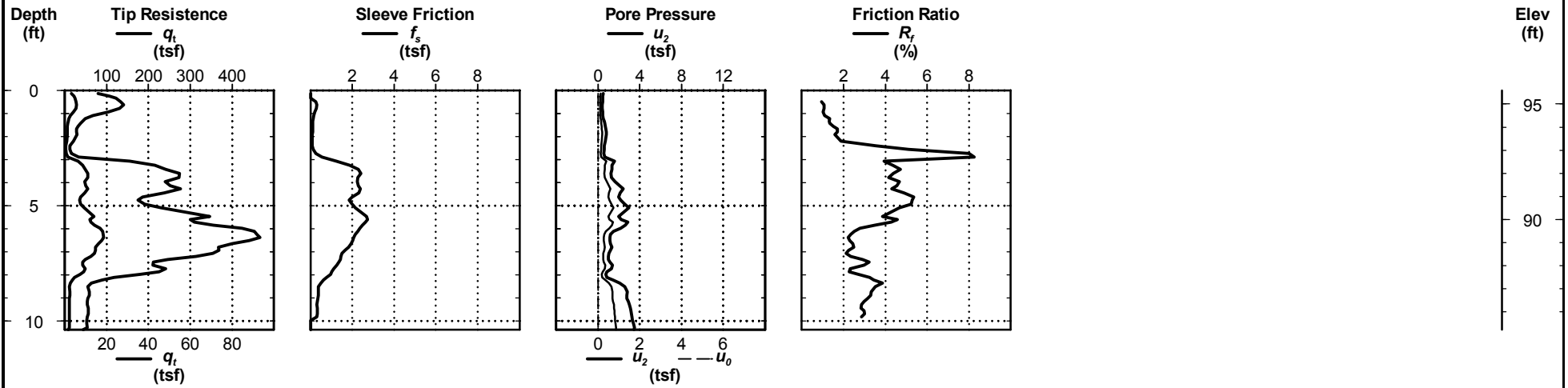


# Cone Penetration Test

# C-112

Date: Apr. 3, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 10.4 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT\_V3.0.GDT 2/16/15

# C-112

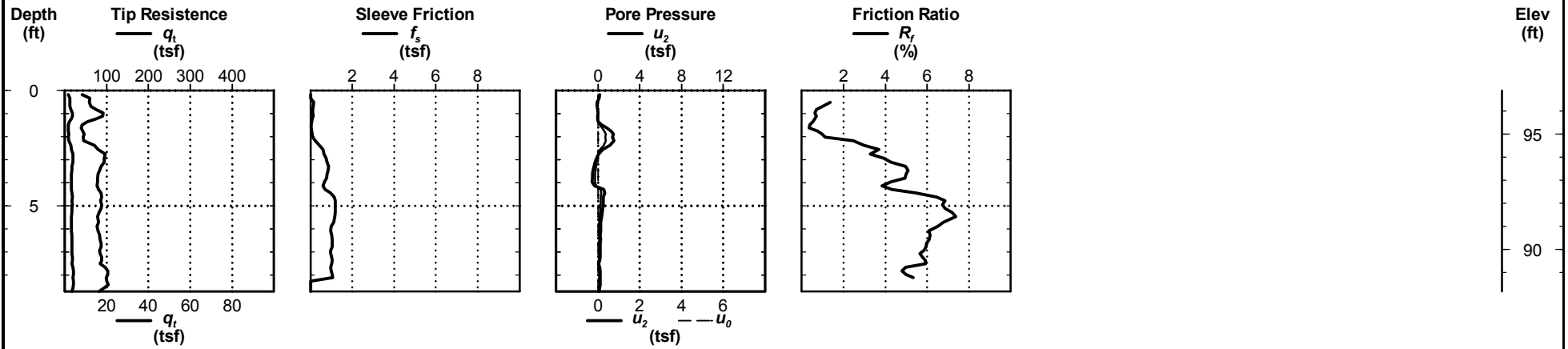


# Cone Penetration Test

# C-113

Date: Apr. 10, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 8.7 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT\_V3.0.GDT 2/16/15

# C-113

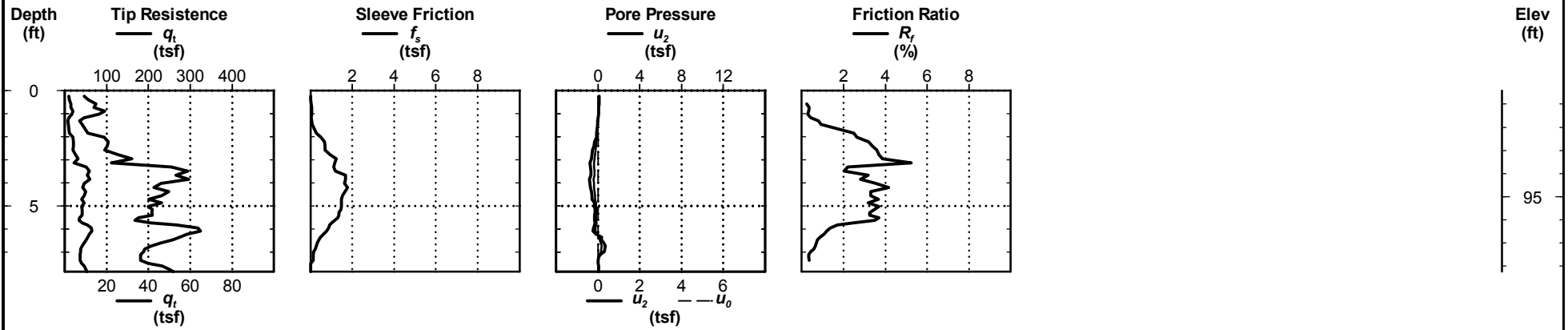


# Cone Penetration Test

# C-114

Date: Apr. 10, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 7.9 ft  
 Termination Criteria: Target Depth  
 Cone Size:



# C-114

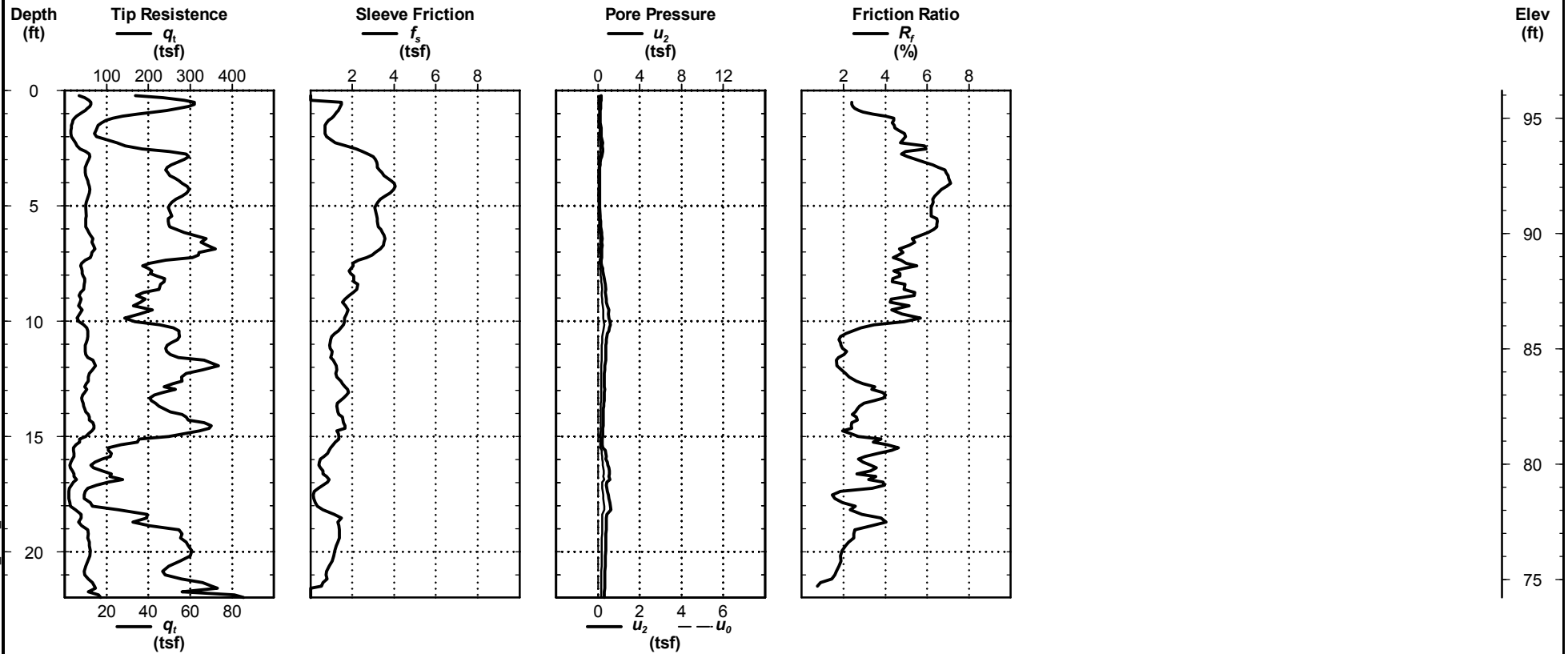


# Cone Penetration Test

# C-115

Date: Apr. 10, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 22.0 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT V3.0.GDT 2/16/15

# C-115

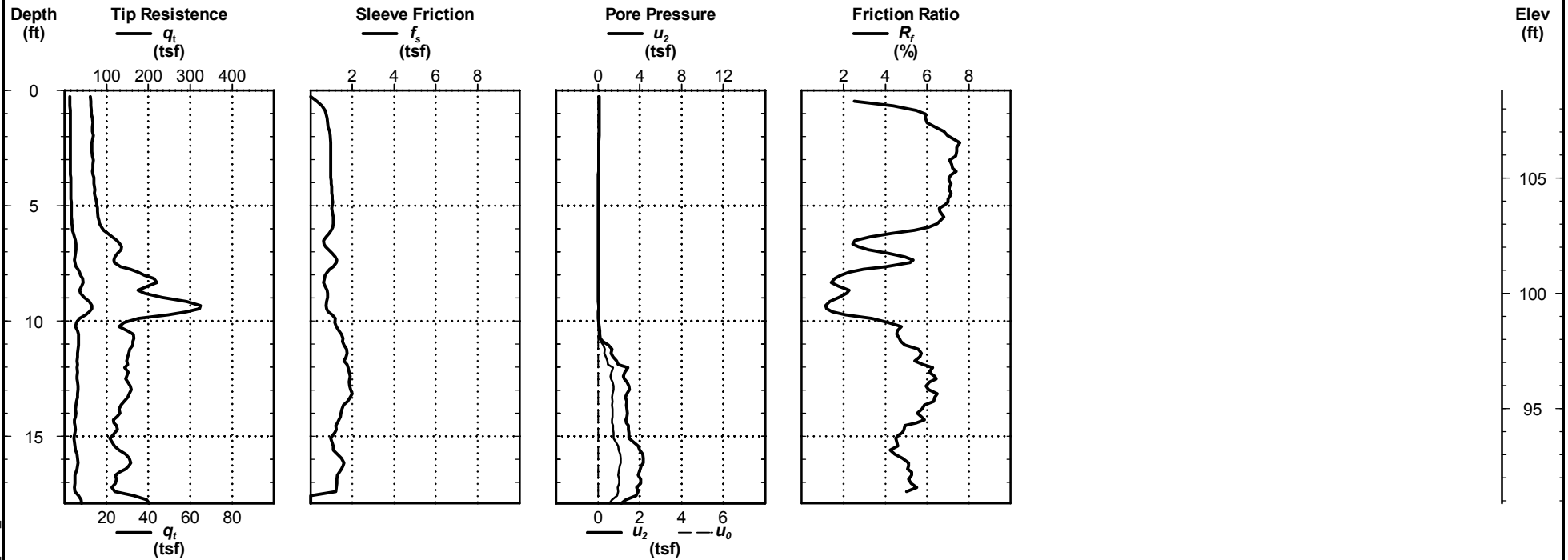


# Cone Penetration Test

# C-116

Date: Apr. 3, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 17.9 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT V3.0.GDT 2/16/15

# C-116



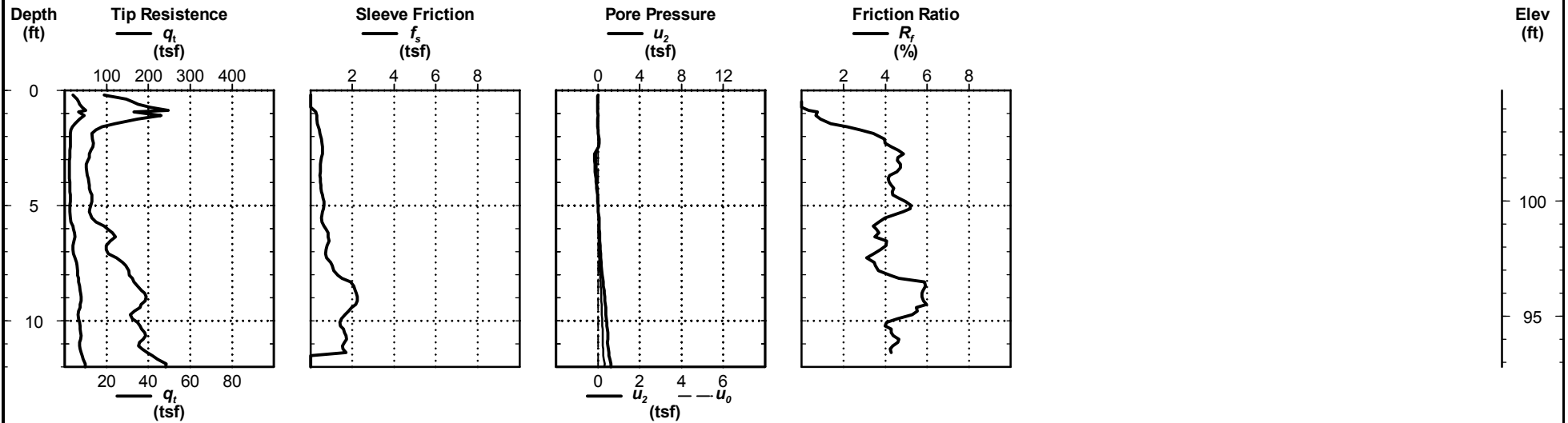


# Cone Penetration Test

# C-117

Date: Apr. 3, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 12.0 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT\_V3.0.GDT 2/16/15

# C-117

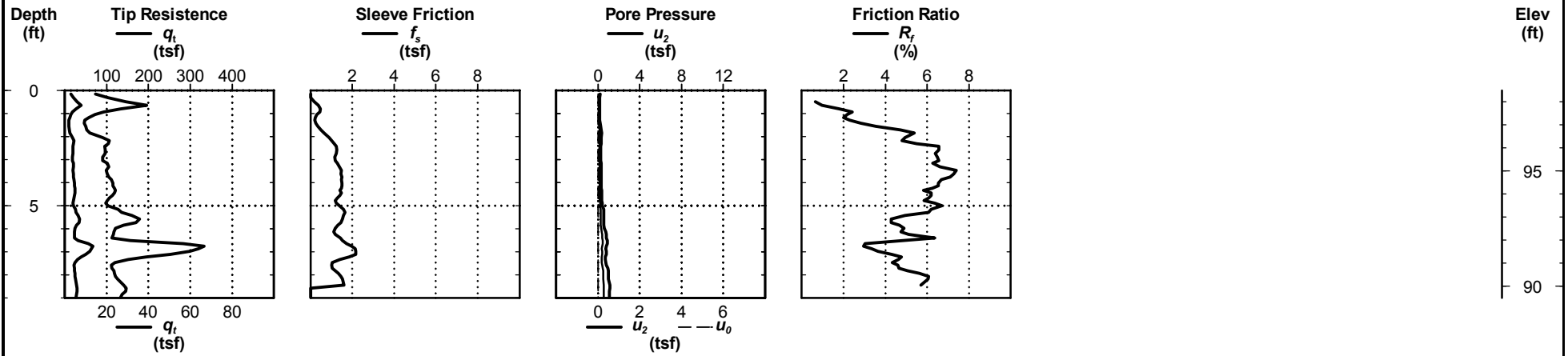


# Cone Penetration Test

# C-118

Date: Apr. 10, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 9.0 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT\_V3.0.GDT 2/16/15

# C-118

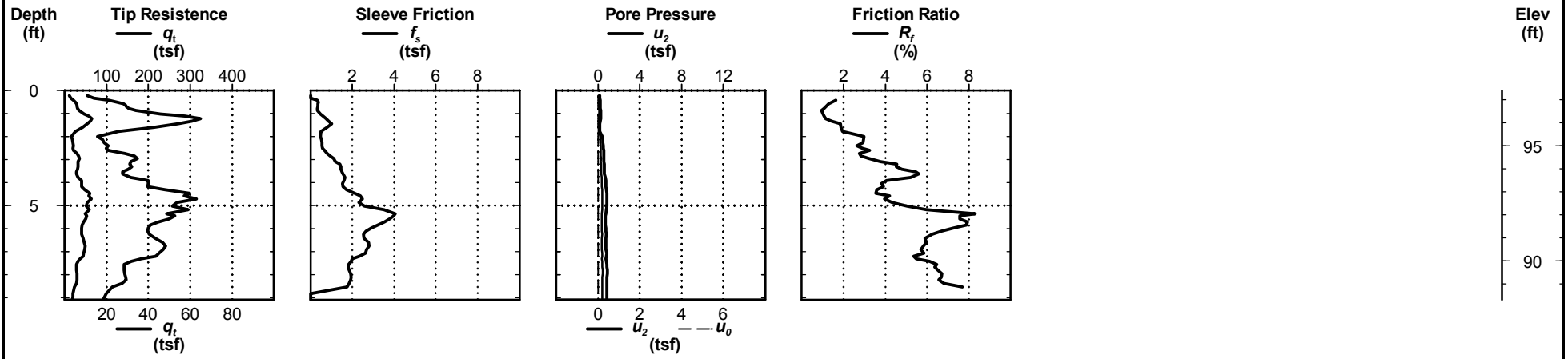


# Cone Penetration Test

# C-119

Date: Apr. 10, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 9.1 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT\_V3.0.GDT 2/16/15

# C-119

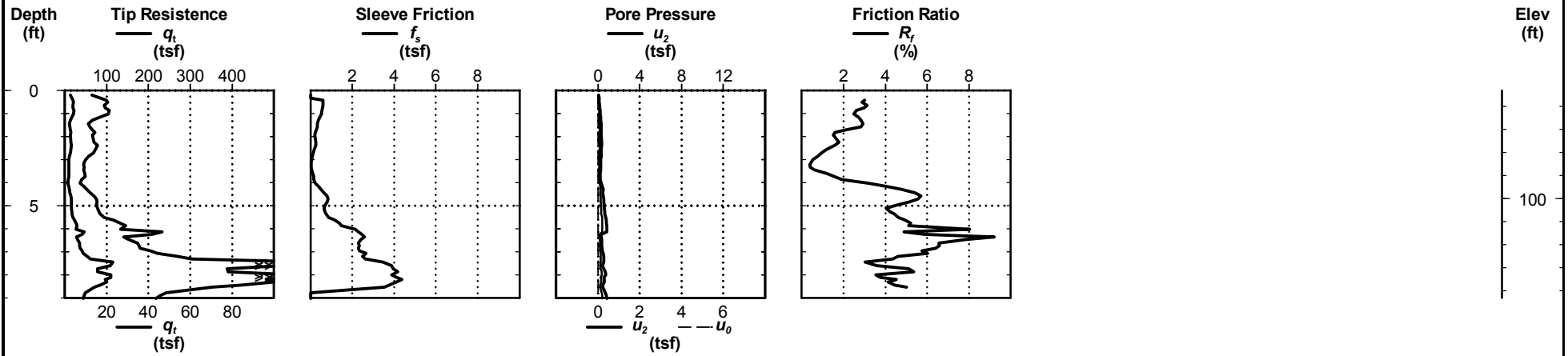


# Cone Penetration Test

## C-120

Date: Apr. 3, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 9.0 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT\_V3.0.GDT 2/16/15

## C-120

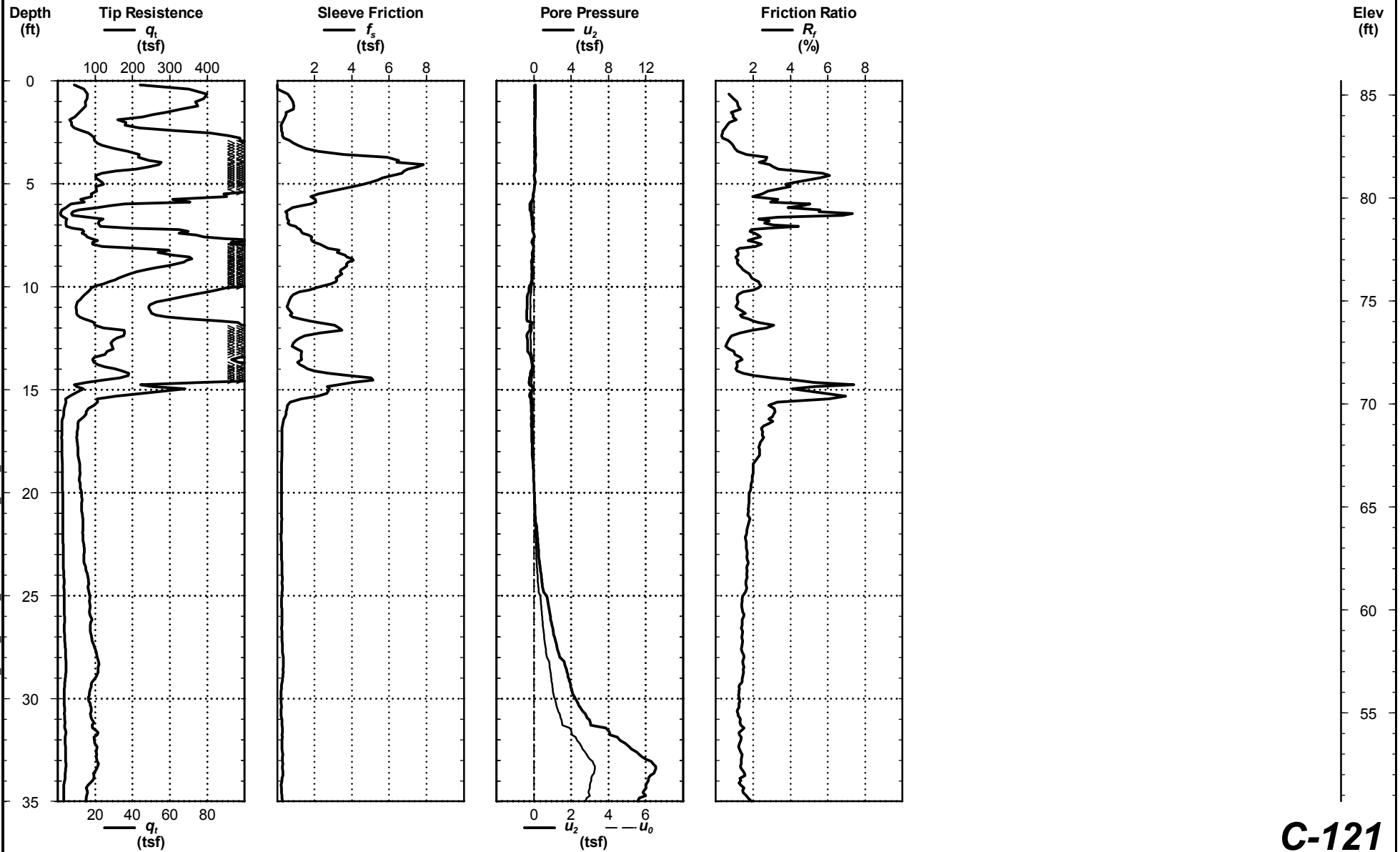


# Cone Penetration Test

# C-121

Date: Apr. 10, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 37.9 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT\_V3.0.GDT 2/16/15

# C-121

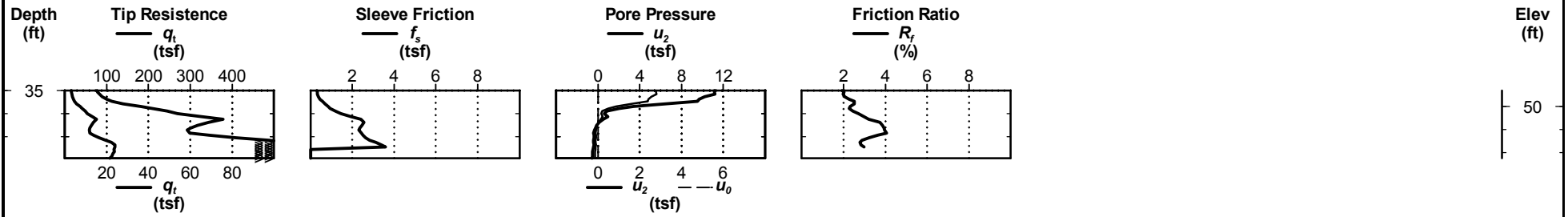


# Cone Penetration Test

# C-121

Date: Apr. 10, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 37.9 ft  
 Termination Criteria: Target Depth  
 Cone Size:



# C-121

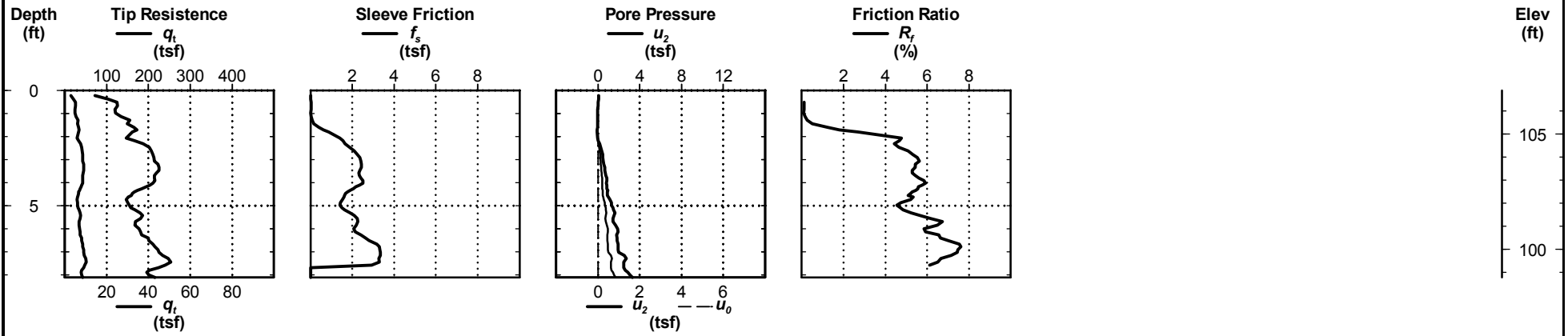


# Cone Penetration Test

# C-122

Date: Apr. 3, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 8.1 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT\_V3.0.GDT 2/16/15

# C-122

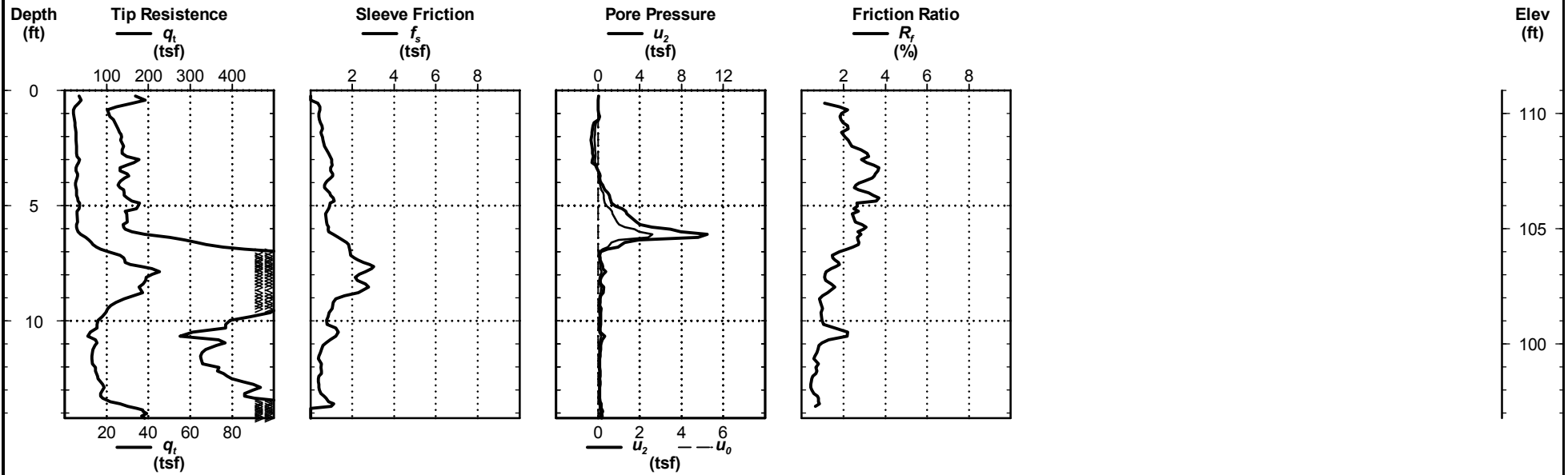


# Cone Penetration Test

# C-123

Date: Apr. 3, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 14.2 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT\_V3.0.GDT 2/16/15

# C-123



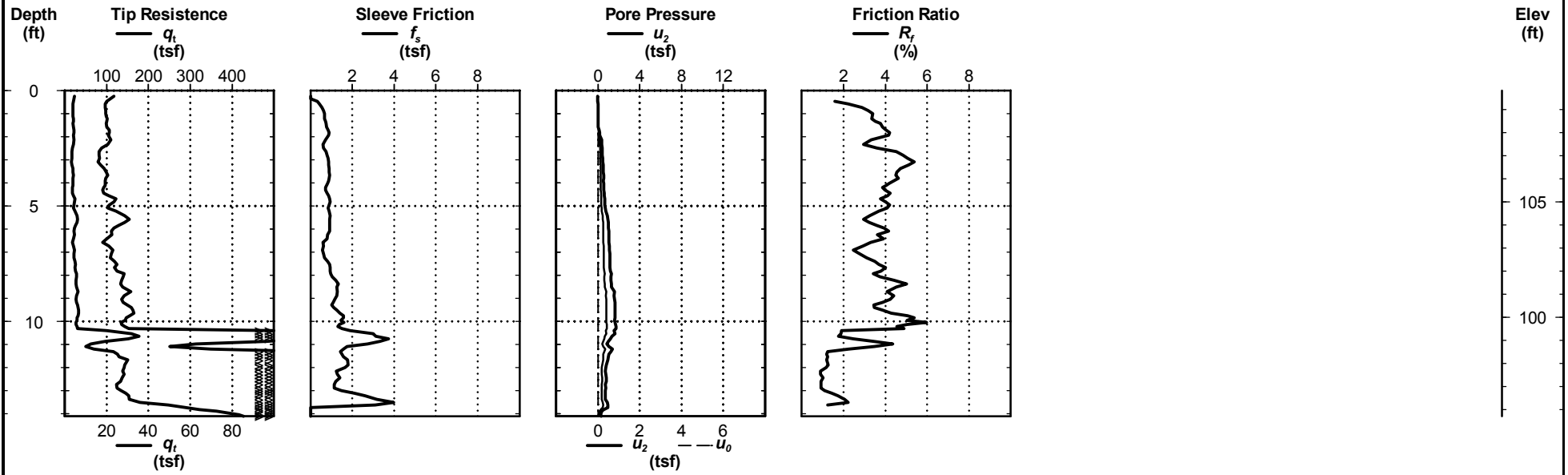


# Cone Penetration Test

# C-124

Date: Apr. 3, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 14.1 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT\_V3.0.GDT 2/16/15

# C-124

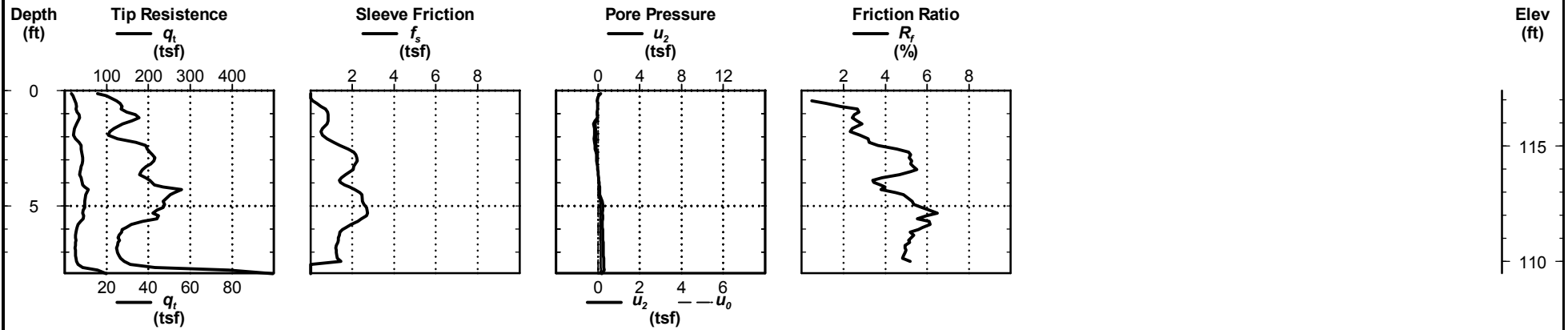


# Cone Penetration Test

## C-125

Date: Apr. 3, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 7.9 ft  
 Termination Criteria: Target Depth  
 Cone Size:



## C-125

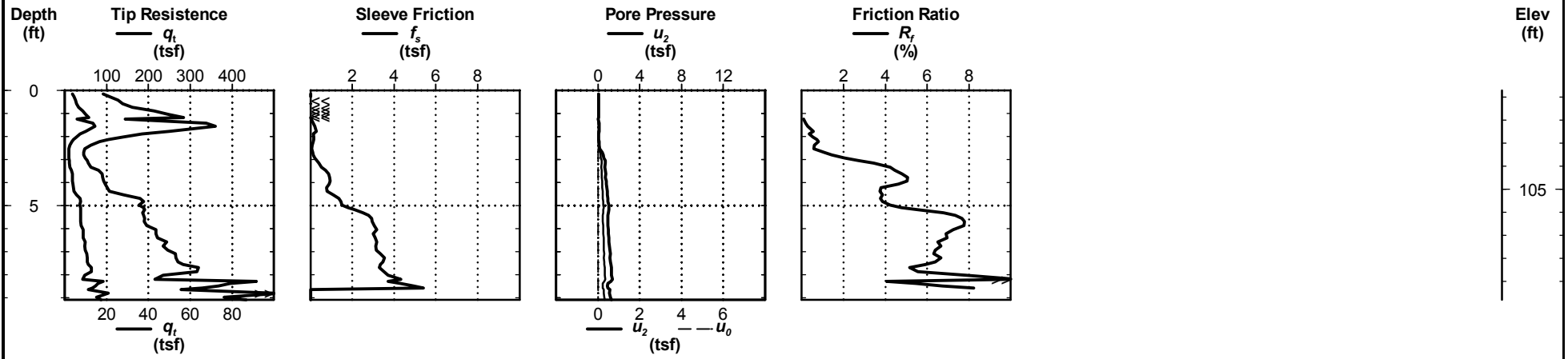


# Cone Penetration Test

## C-126

Date: Apr. 3, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 9.1 ft  
 Termination Criteria: Target Depth  
 Cone Size:



## C-126

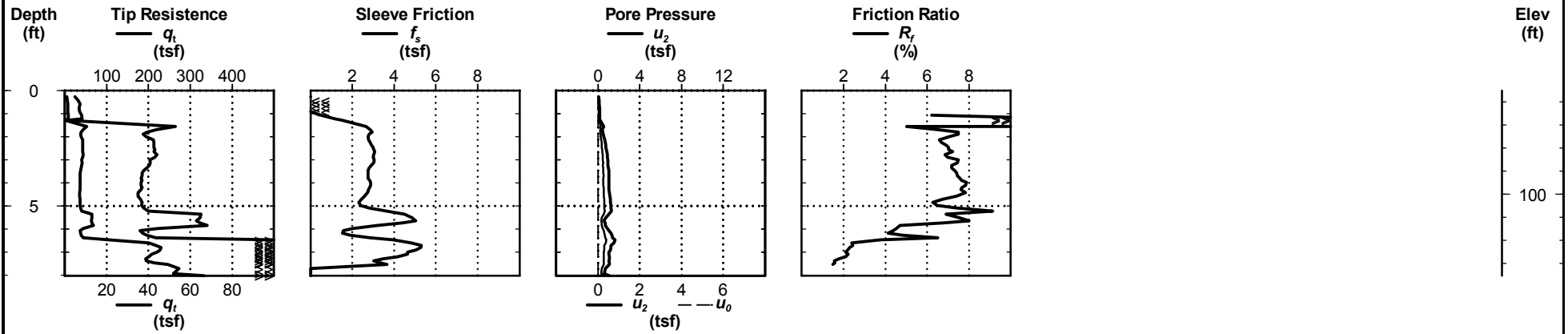


# Cone Penetration Test

# C-127

Date: Apr. 3, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 8.0 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT\_V3.0.GDT 2/16/15

# C-127

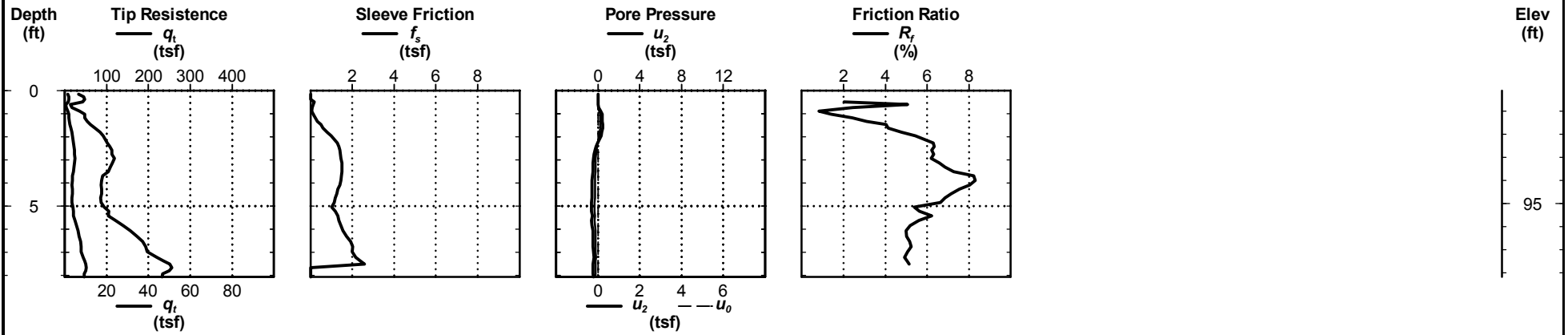


# Cone Penetration Test

# C-128

Date: Apr. 4, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 8.1 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT\_V3.0.GDT 2/16/15

# C-128

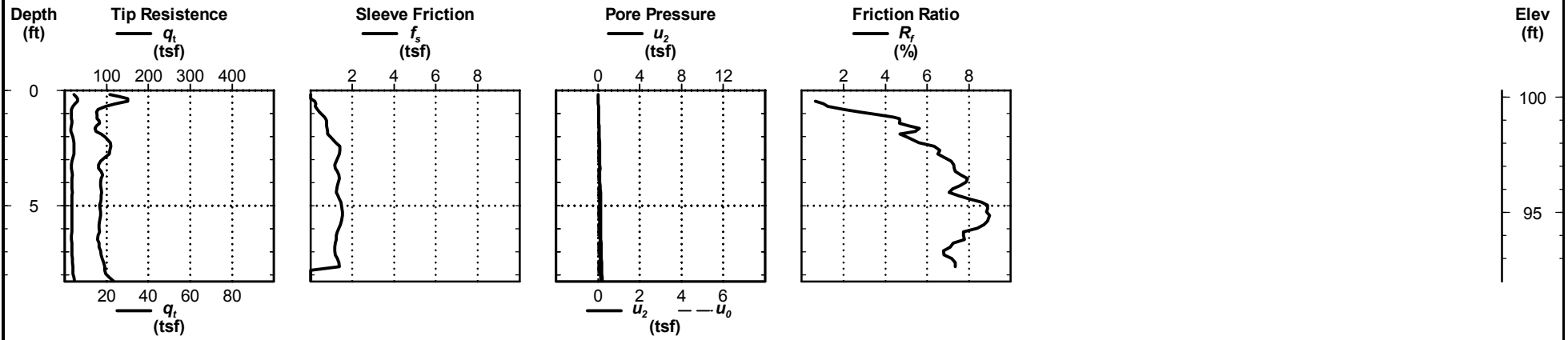


# Cone Penetration Test

## C-129

Date: Apr. 4, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 8.3 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT V3.0.GDT 2/16/15

## C-129

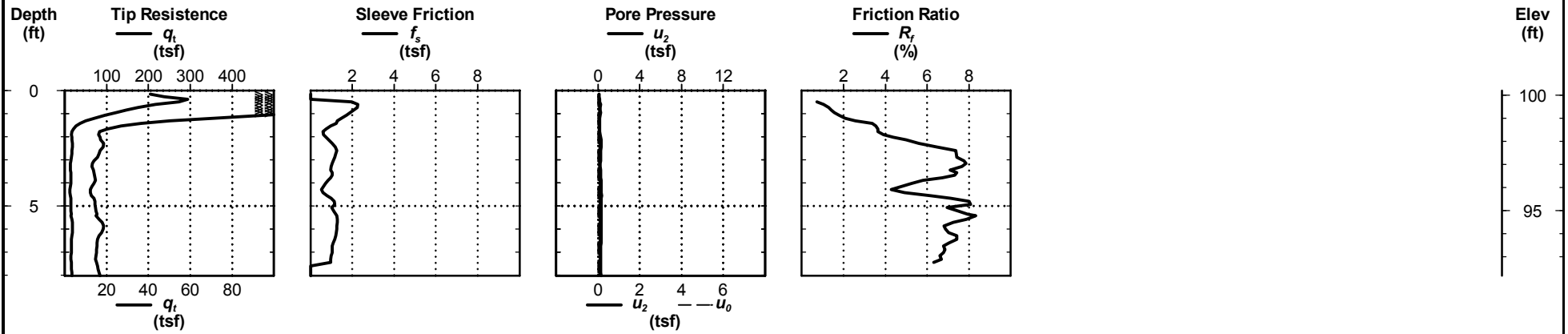


# Cone Penetration Test

## C-130

Date: Apr. 4, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 8.0 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT\_V3.0.GDT 2/16/15

## C-130

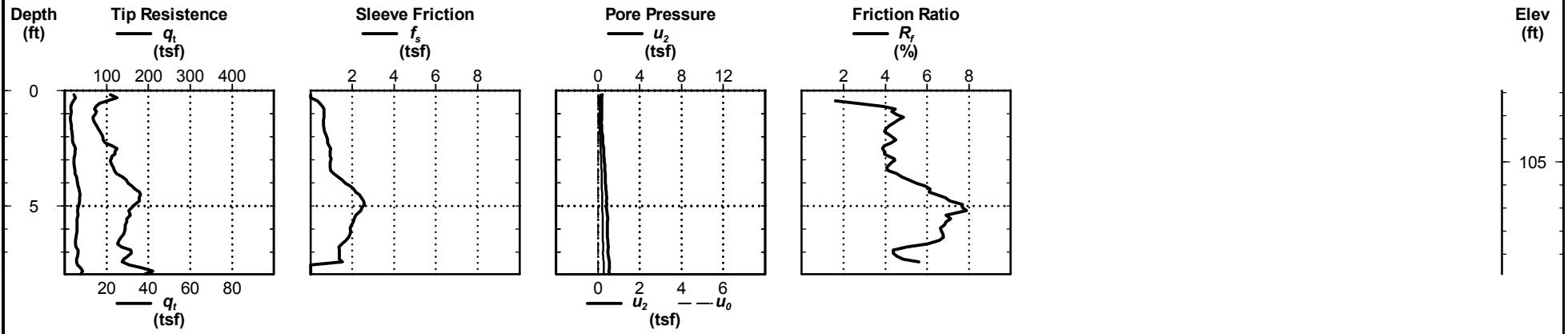


# Cone Penetration Test

# C-131

Date: Apr. 4, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 8.0 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT\_V3.0.GDT 2/16/15

# C-131



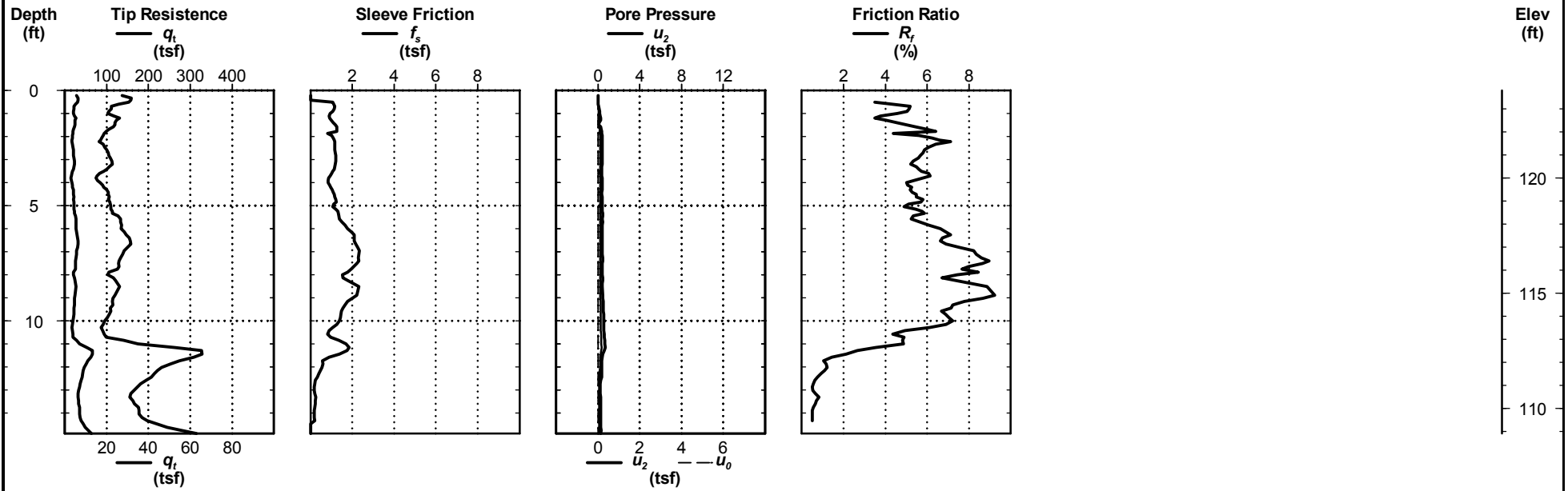


# Cone Penetration Test

# C-132

Date: Apr. 9, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 14.9 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT\_V3.0.GDT 2/16/15

# C-132

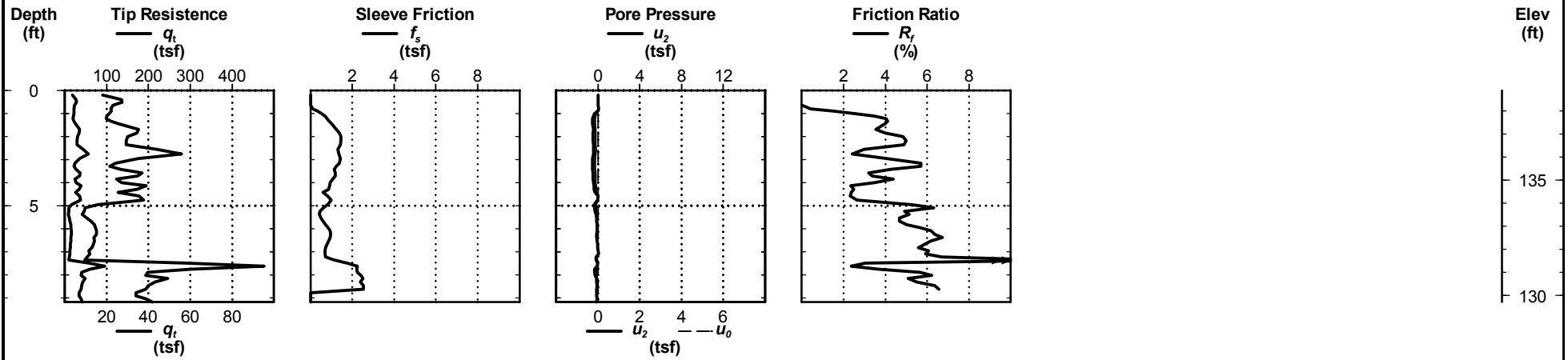


# Cone Penetration Test

## C-133

Date: Apr. 9, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 9.2 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT\_V3.0.GDT 2/16/15

## C-133

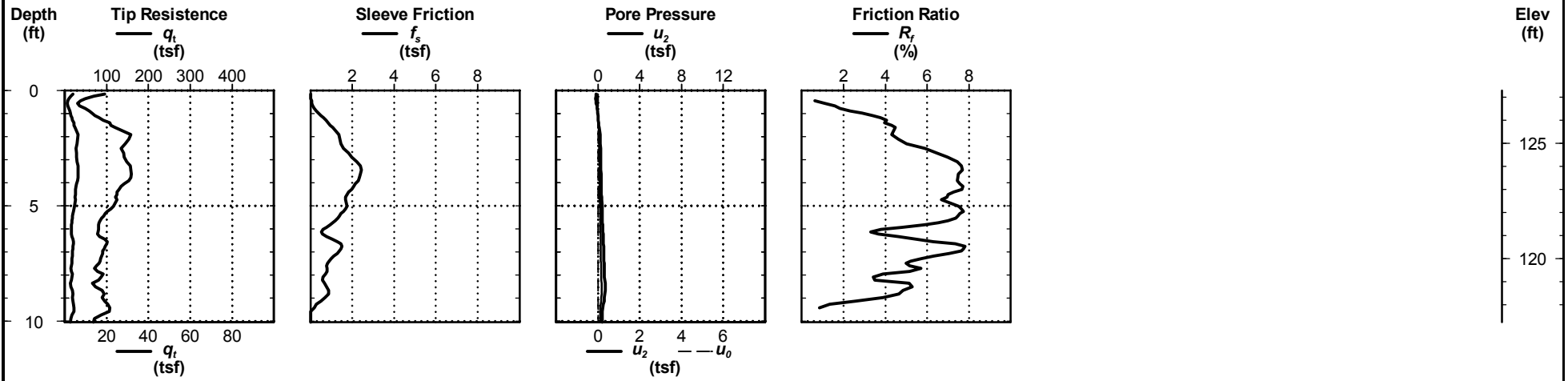


# Cone Penetration Test

# C-134

Date: Apr. 9, 2013  
 Estimated Water Depth:  
 Rig/Operator: ATV/J. Brandsen

Total Depth: 10.1 ft  
 Termination Criteria: Target Depth  
 Cone Size:



CPT REPORT - STANDARD R2582A\_GEO\_RDWY\_NORTHAMPTON\_CPT\_GINT.GPJ\_CPT\_V3.0.GDT 2/16/15

# C-134