

## APPENDIX C: CPT LOGS

As part of the field investigations, 26 Piezo-Cone Penetrometer Tests (CPTU) were performed at the sites of interest, as listed in Table C.1. These CPT probes were performed by Soil Testing Engineers Inc. between 1/30/06 and 2/22/06. All fieldwork activities were conducted by members of the Independent Levee Investigation Team (ILIT) under the direct supervision of senior members of the team.

The CPTs were performed according to the ASTM D 5778, using an electric piezo-cone conforming to the ASTM standards. The pore pressure measurements were obtained at the base of the cone sleeve, immediately above the conical cone “tip”, as illustrated in Figure C-1. The sleeve friction was re-zeroed at the start of each probe, and the porous stone was saturated before each test.

The Figures that follow present a series of plan views showing the locations of the CPTU probes performed by our investigation team, followed by the logs of these CPTU probes. Each CPTU log also has local GPS coordinates (x, y, and z) to help to locate these.

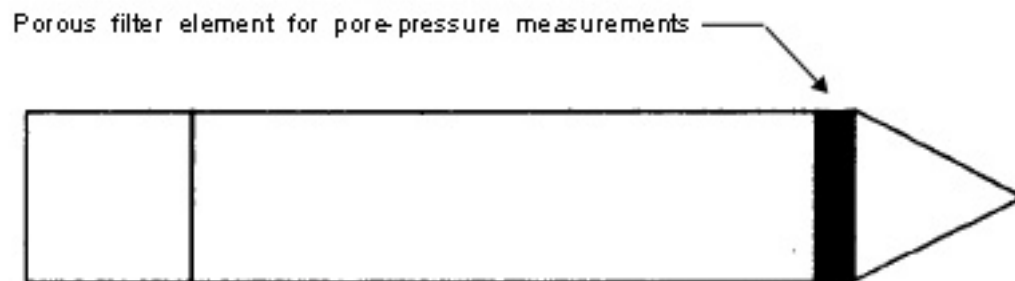


Figure C-1: Typical piezo-cone used by STE Inc. showing the location of the porous filter element

**17th STREET CANAL**

<b>CPT NUMBER</b>	<b>Latitude (N)</b>	<b>Longitude (W)</b>	<b>Elevation (MSL)</b>
17-CPT-1	30.01716	90.12109	-1.9
17-CPT-2	30.01793	90.1207	-6.5
17-CPT-3	30.01804	90.12125	3.8
17-CPT-3 A	30.01805	90.12125	3.8
17-CPT-4	30.01626	90.1215	4
17-CPT-4 A	30.0162	90.12155	4
17-CPT-5	30.01718	90.12108	-2
17-CPT-6	30.01711	90.12109	-1.8
17-CPT-7	30.01736	90.12116	0.5
17-CPT-9 A	30.01636	90.12077	-6.6
17-CPT-10	30.01731	90.12202	4.31
17-CPT-11	30.01641	90.12212	4.31
17-CPT-12	30.01824	90.12057	-6.6

**LONDON AVENUE CANAL NORTH, EAST BANK**

<b>CPT NUMBER</b>	<b>Latitude (N)</b>	<b>Longitude (W)</b>	<b>Elevation (MSL)</b>
LAC-CPT-1	30.02097	90.07027	-7.7
LAC-CPT-2	30.02062	90.07026	-8
LAC-CPT-3	30.02135	90.07053	-8.2
LAC-CPT-4	30.01998	90.07032	-8.5

**LONDON AVENUE CANAL NORTH, WEST BANK**

<b>CPT NUMBER</b>	<b>Latitude (N)</b>	<b>Longitude (W)</b>	<b>Elevation (MSL)</b>
LACW-CPT-1	30.02044	90.07136	-5.6
LACW-CPT-2	30.02048	90.07104	2.8
LACW-CPT-3	30.02131	90.07094	3.1
LACW-CPT-4	30.01953	90.07082	2.6

Note: Geographic coordinates are based on WGS84 datum.

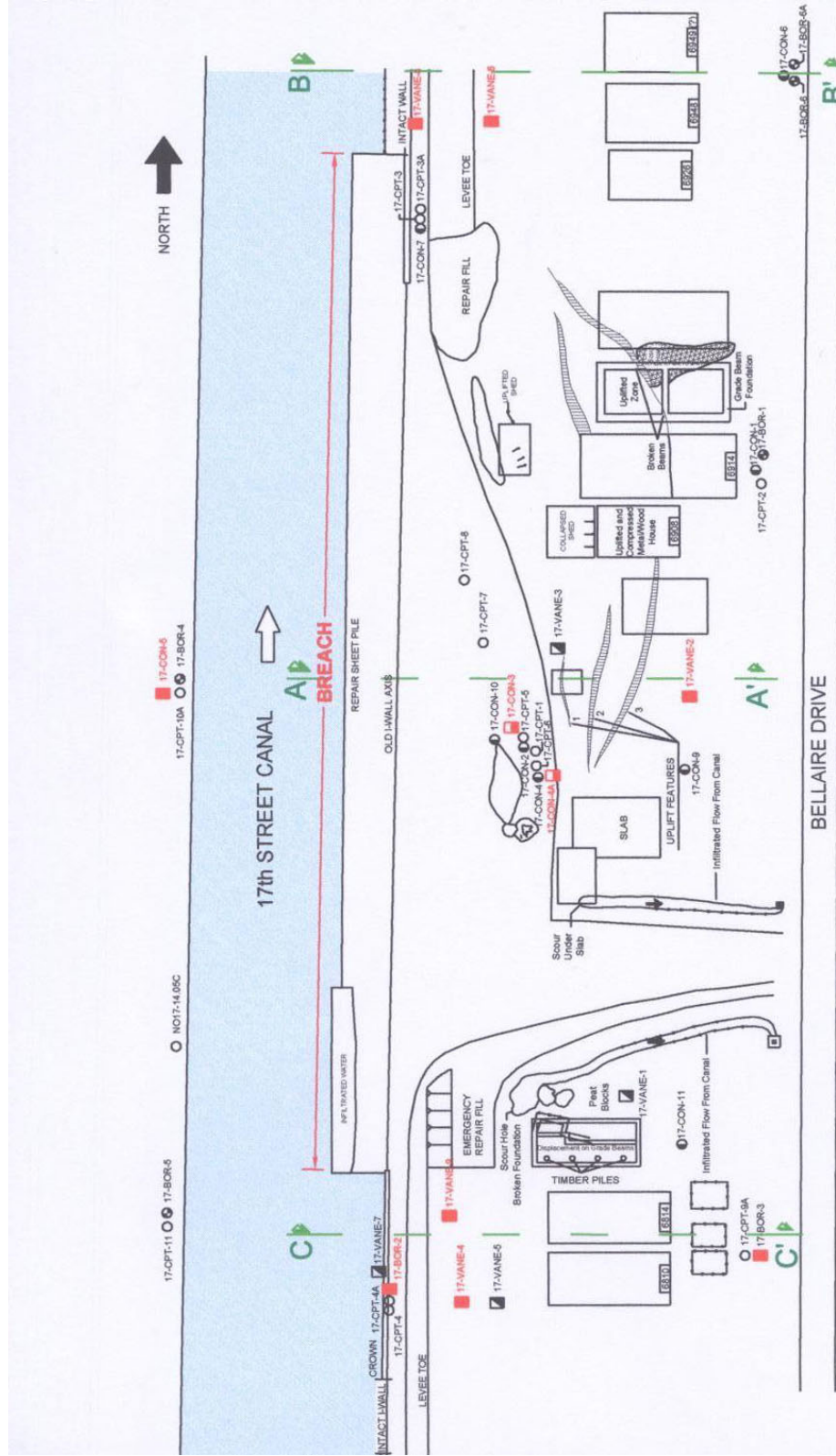
**LONDON AVENUE CANAL SOUTH, EAST BANK**

<b>CPT NUMBER</b>	<b>Latitude (N)</b>	<b>Longitude (W)</b>	<b>Elevation (MSL)</b>
LACS-CPT-1	30.00908	90.0694	-0.15
LACS-CPT-2	30.00797	90.06931	4.6
LACS-CPT-3	30.0085	90.06907	-2.3

**INNER HARBOR NAVIGATION CANAL, EAST BANK**

<b>CPT NUMBER</b>	<b>Latitude (N)</b>	<b>Longitude (W)</b>	<b>Elevation (MSL)</b>
IHNC-N-CPT-1	29.9787	90.02049	-3.38
IHNC-S-CPT-1	29.97035	90.02314	0.93
IHNC-S-CPT-2	29.97126	90.02292	-2.7
IHNC-S-CPT-3	29.97248	90.02257	-2.3

Note: Geographic coordinates are based on WGS84 datum.




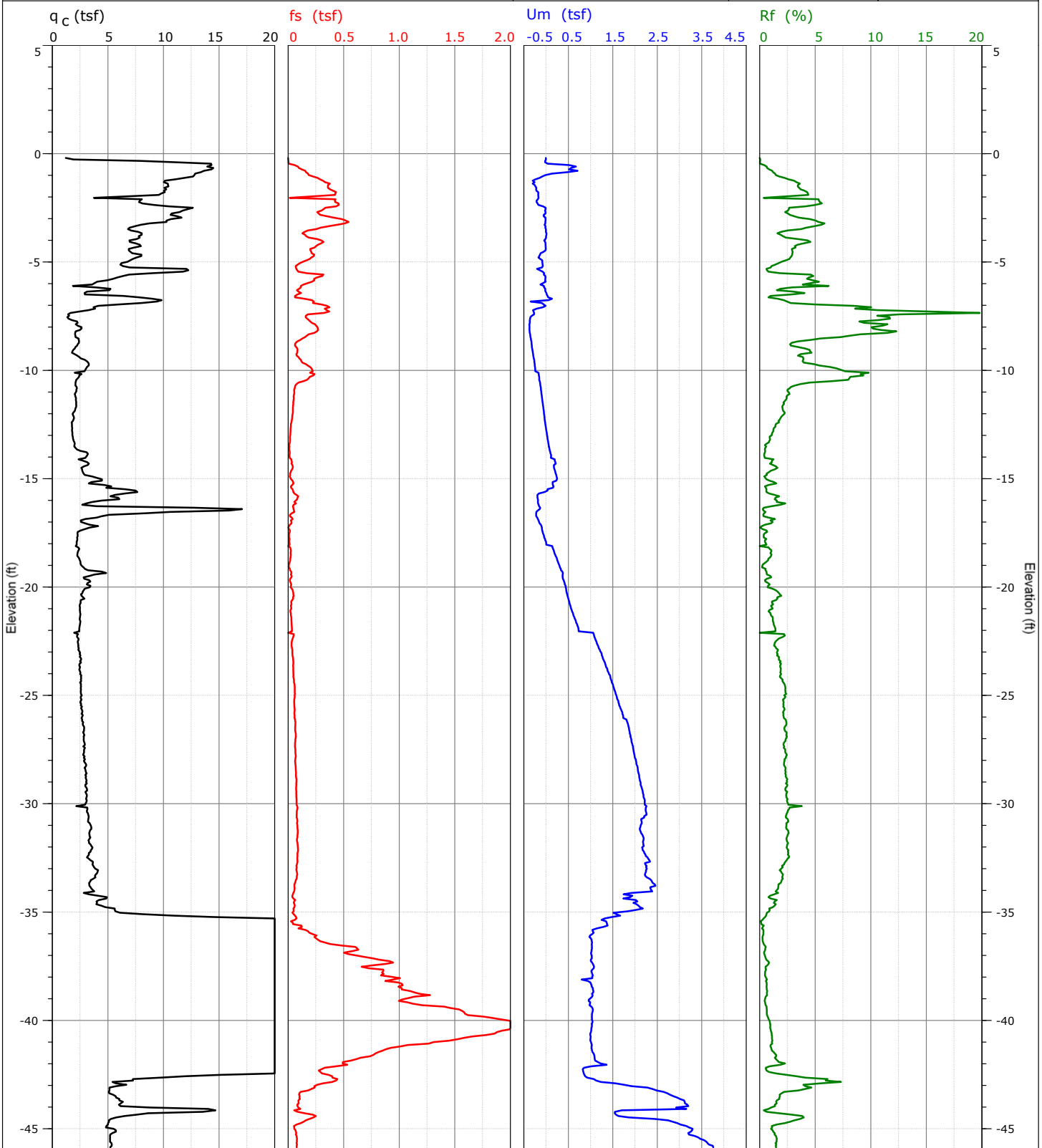
<b>17th Street Canal</b> <b>APPROXIMATE ILIT BORING, CPT, VANE LOCATIONS</b> New Orleans, Louisiana		DWG NO. <b>17th Boring &amp; CPT Plan</b>	SHEET
SIZE <b>05/06/2006</b>	DATE <b>05/06/2006</b>	SCALE <b>Not Drawn To Scale</b>	SHEET


LEGEND	
○ 17-CPT-#	Cone Penetration Test
● 17-CON-#	Continuous Boring
⊙ 17-BOR-#	Geotechnical Boring
⊠ 17-VANE	Field Vane Test
■ (Red)	Shaded
■ (Light Red)	Unshaded (Weak Zone)
—	Fence




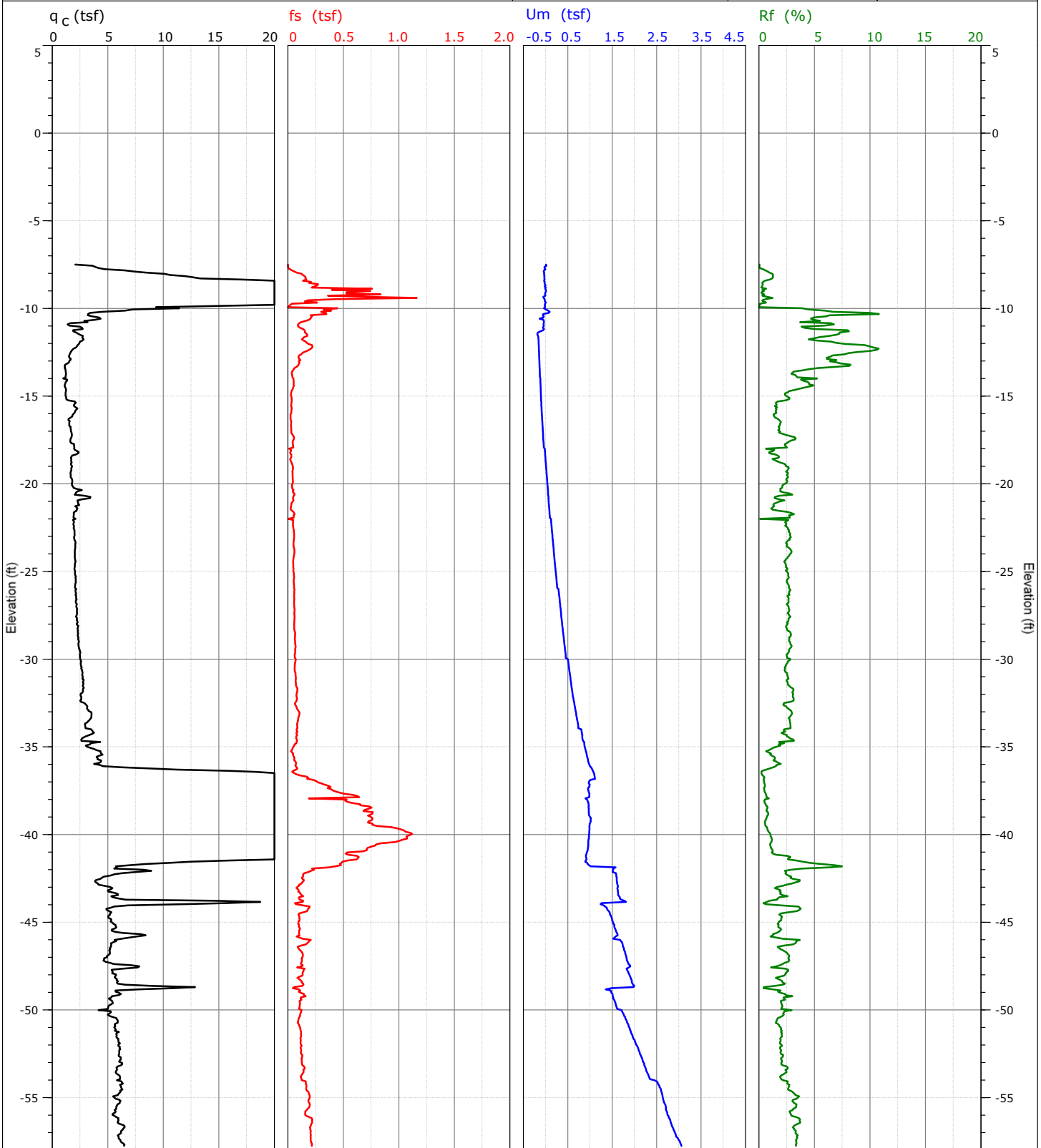
<b>State Project</b>	<b>Site Name</b> 17th Street Canal- East Bank	<b>Performed By</b> Geo Engineering UCB and STE	<b>Sounding No.</b> 17-CPT-1	<b>Ground Elevation</b> -1.9	
<b>Location</b> N30.01716 W90.12109 center of breach, 15' NE of displaced block			<b>Logger: A. Athanasopoulos</b>	<b>SHEET 1 of 1</b>	
			<b>Logger: D. Cobos</b>	<b>Date Completed</b> 1/31/2006	
			<b>Cone #</b>		




fs --> Sleeve Friction  
q<sub>c</sub> --> Cone Resistance  
Um --> Pore pressure measured  
Rf --> Friction Ratio = fs/q<sub>c</sub>


<i>Log Developer:</i>	
Juan Gabriel Vera-Grunauer CVA Consulting Group	

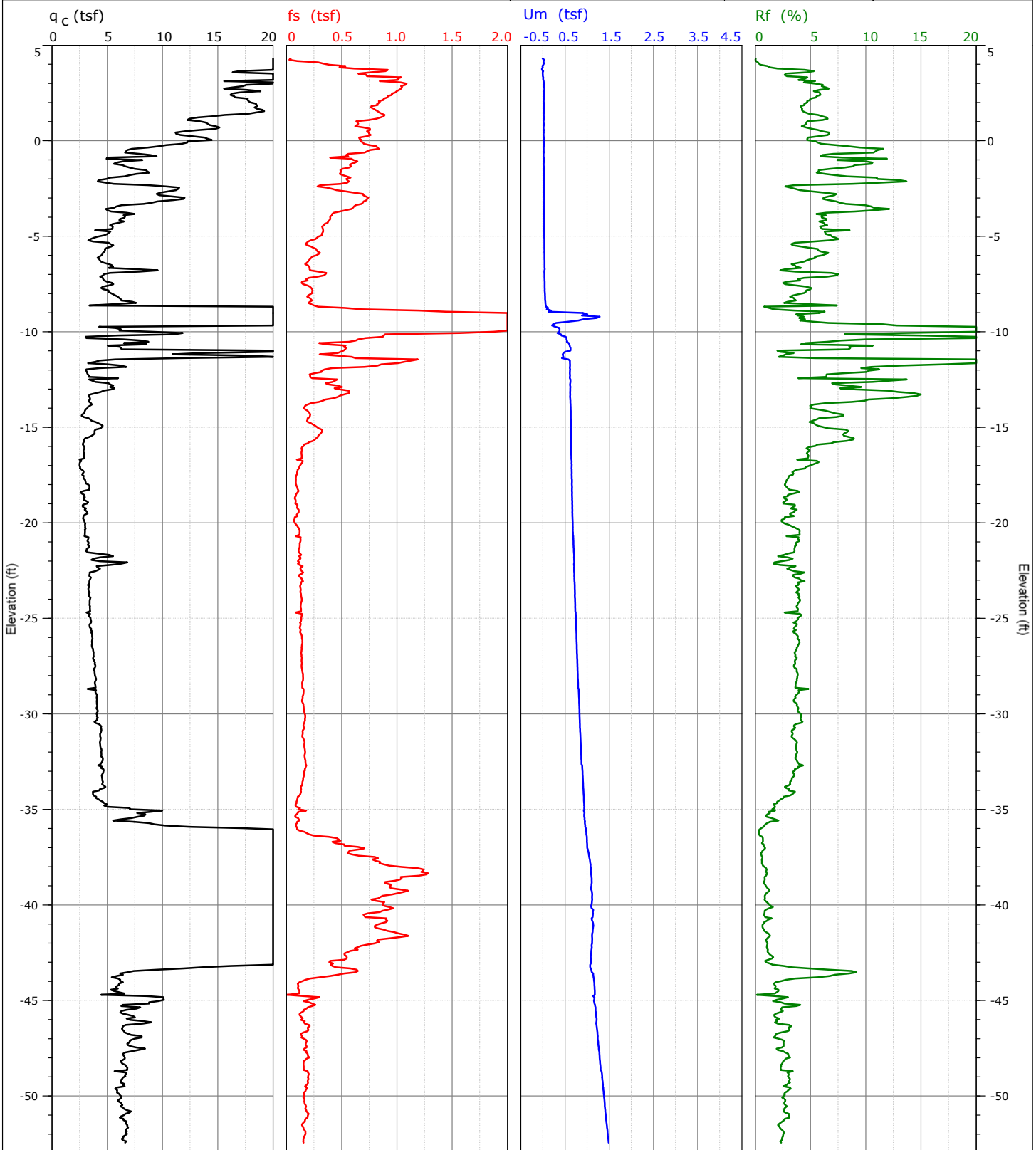
<b>State Project</b>	<b>Site Name</b> 17th Street Canal- East Bank	<b>Performed By</b> Geo Engineering UCB and STE	<b>Sounding No.</b> 17-CPT-2	<b>Ground Elevation</b> -6.5	
<b>Location</b> N30.01933 W90.1207		<b>Logger: Athanasopoulos</b>		<b>SHEET 1 of 1</b>	
center of breach, 6' east of driveway 6914 Belaire Dr.		<b>Logge: D. Cobos</b>		<b>Date Completed</b> 1/31/06	
		<b>Cone #</b>			




fs --> Sleeve Friction  
qc --> Cone Resistance  
Um --> Pore pressure measured  
Rf --> Friction Ratio = fs/qc


<b>Log Developer:</b>		
Juan Gabriel Vera-Grunauer CVA Consulting Group		

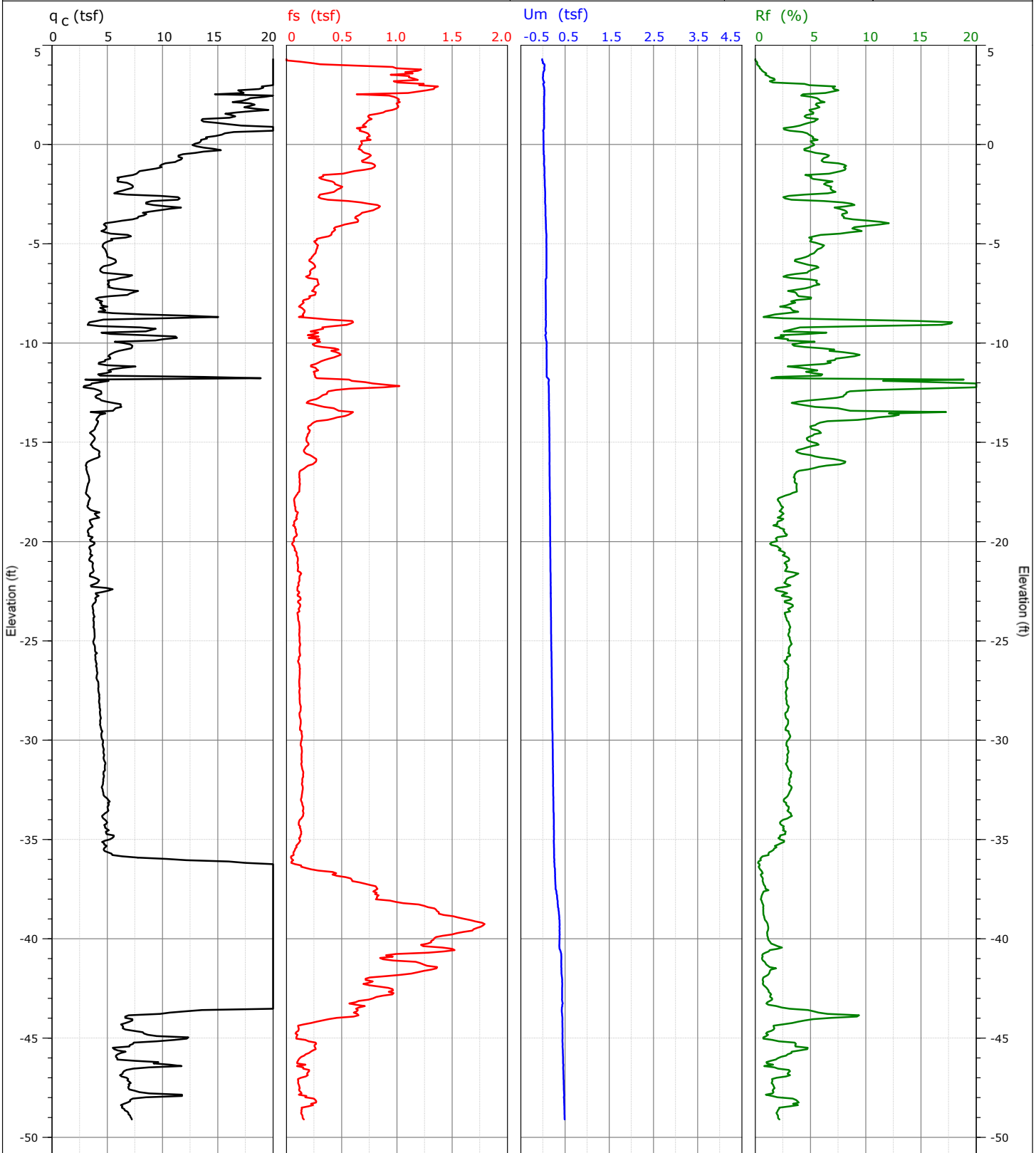
<b>State Project</b>	<b>Site Name</b> 17th Street Canal- East Bank	<b>Performed By</b> Geo Engineering UCB and STE	<b>Sounding No.</b> 17-CPT-3	<b>Ground Elevation</b> 3.8	
<b>Location</b> N30.01804 W90.12125		<b>Logger: A. Athanasopoulos</b>		<b>SHEET 1 of 1</b>	
30' north of breach, levee crest		<b>Logger: D. Cobos</b>		<b>Date Completed</b> 2/02/06	
		<b>Cone #</b>			



fs --> Sleeve Friction  
qc --> Cone Resistance  
Um --> Pore pressure measured  
Rf --> Friction Ratio = fs/qc


<b>Log Developer:</b>	
Juan Gabriel Vera-Grunauer CVA Consulting Group	

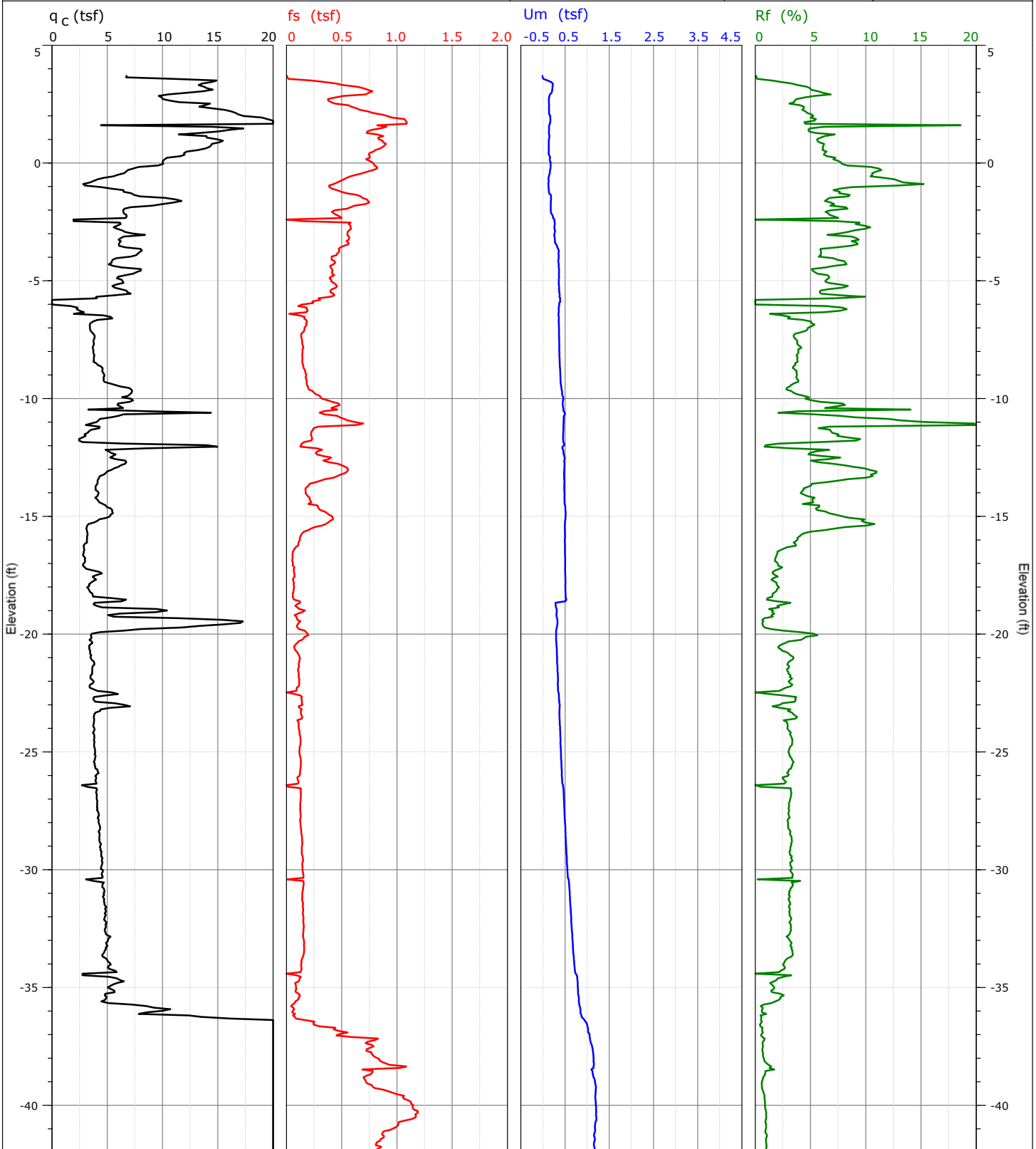
<b>State Project</b>	<b>Site Name</b> 17th Street Canal- East Bank	<b>Performed By</b> Geo Engineering UCB and STE	<b>Sounding No.</b> 17-CPT-3A	<b>Ground Elevation</b> 3.8	
<b>Location</b> N30.01805 W90.12125 30' north of breach, levee crest			<b>Logger: A. Athanasopoulos</b>	<b>SHEET 1 of 1</b>	
			<b>Logger: D. Cobos</b>	<b>Date Completed</b> 2/02/06	
			<b>Cone #</b>		




fs --> Sleeve Friction  
qc --> Cone Resistance  
Um --> Pore pressure measured  
Rf --> Friction Ratio = fs/qc


<b>Log Developer:</b>		
Juan Gabriel Vera-Grunauer CVA Consulting Group		

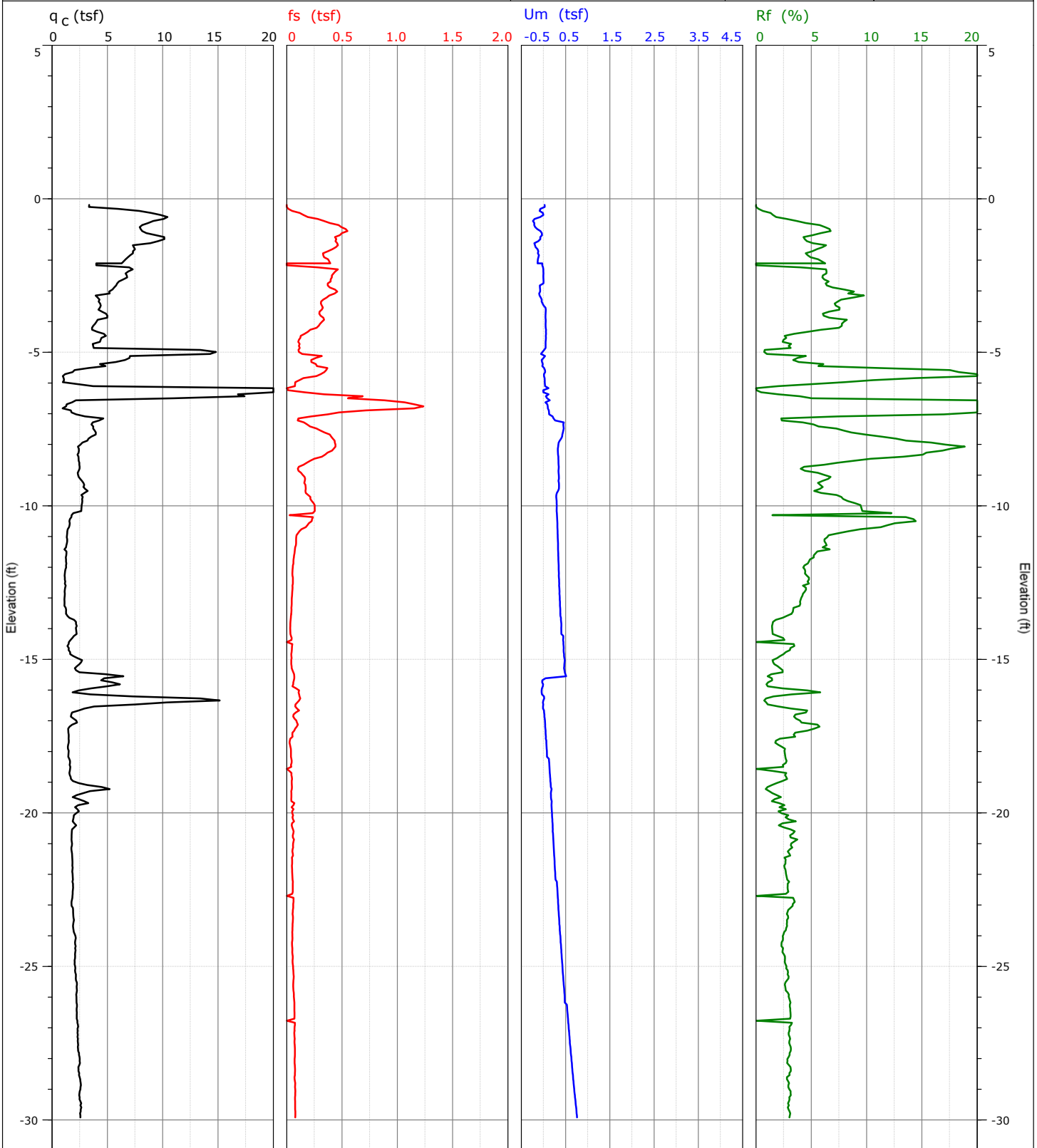
<b>State Project</b>	<b>Site Name</b> 17th Street Canal- East Bank	<b>Performed By</b> Geo Engineering UCB and STE	<b>Sounding No.</b> 17-CPT-4A	<b>Ground Elevation</b> 4.0	
<b>Location</b> N30.0162 W90.12155		<b>Logger: A. Athanasopoulos</b>		<b>SHEET 1 of 1</b>	
30' south of breach, levee crest		<b>Logger: D. Cobos</b>		<b>Date Completed</b> 2/02/06	
		<b>Cone #</b>			




fs --> Sleeve Friction  
qc --> Cone Resistance  
Um --> Pore pressure measured  
Rf --> Friction Ratio = fs/qc


<b>Log Developer:</b>		
Juan Gabriel Vera-Grunauer		
CVA Consulting Group		

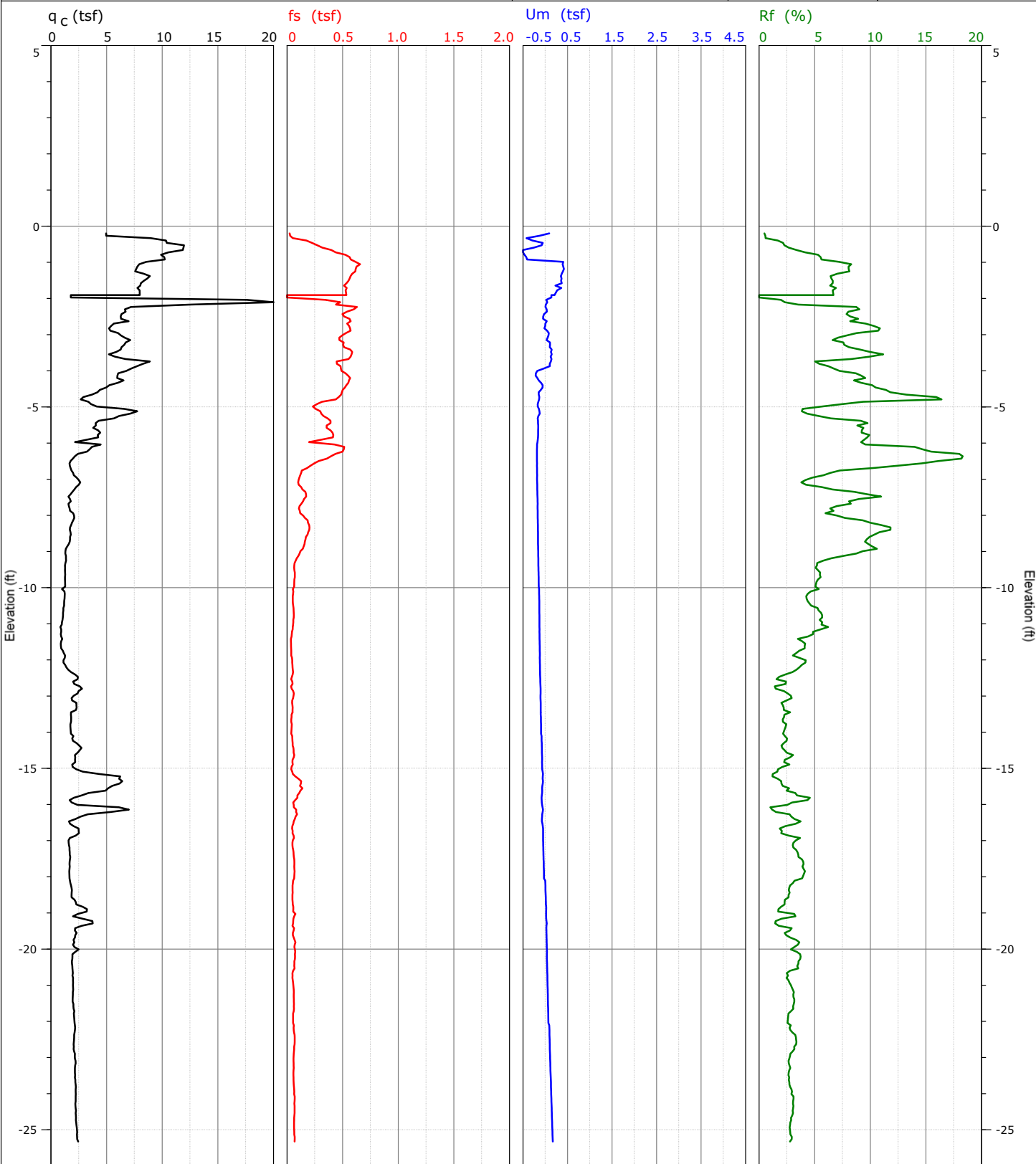
<b>State Project</b>	<b>Site Name</b> 17th Street Canal- East Bank	<b>Performed By</b> Geo Engineering UCB and STE	<b>Sounding No.</b> 17-CPT-5	<b>Ground Elevation</b> -2.0	
<b>Location</b> N30.01718 W90.12108 next to displaced block, 5' north of 17-CPT-1			<b>Logger: A. Athanasopoulos</b>	<b>SHEET 1 of 1</b>	
			<b>Logger: D. Cobos</b>	<b>Date Completed</b> 2/03/06	
			<b>Cone #</b>		




fs --> Sleeve Friction  
qc --> Cone Resistance  
Um --> Pore pressure measured  
Rf --> Friction Ratio = fs/qc

<b>Log Developer:</b> Juan Gabriel Vera-Grunauer CVA Consulting Group	
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<b>State Project</b>	<b>Site Name</b> 17th Street Canal- East Bank	<b>Performed By</b> Geo Engineering UCB and STE	<b>Sounding No.</b> 17-CPT-6	<b>Ground Elevation</b> -1.8	
<b>Location</b> N30.01711 W90.12109 next to displaced block, 5' south of 17-CPT-1		<b>Logger: A. Athanasopoulos</b>		<b>SHEET 1 of 1</b>	
		<b>Logger: D. Cobos</b>		<b>Date Completed</b> 2/03/06	
		<b>Cone #</b>			

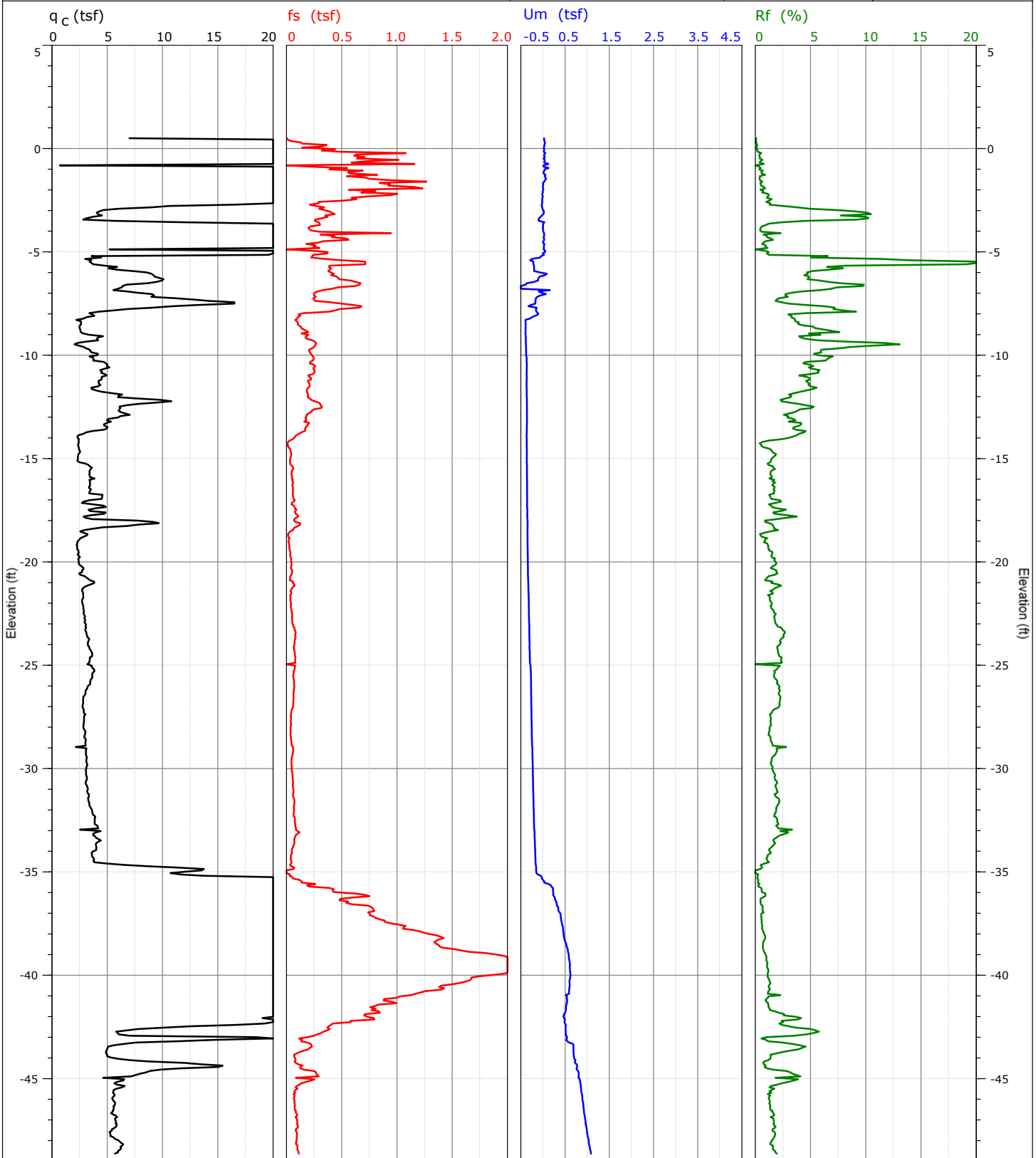


fs --> Sleeve Friction  
qc --> Cone Resistance  
Um --> Pore pressure measured  
Rf --> Friction Ratio = fs/qc


<b>Log Developer:</b> Juan Gabriel Vera-Grunauer CVA Consulting Group	
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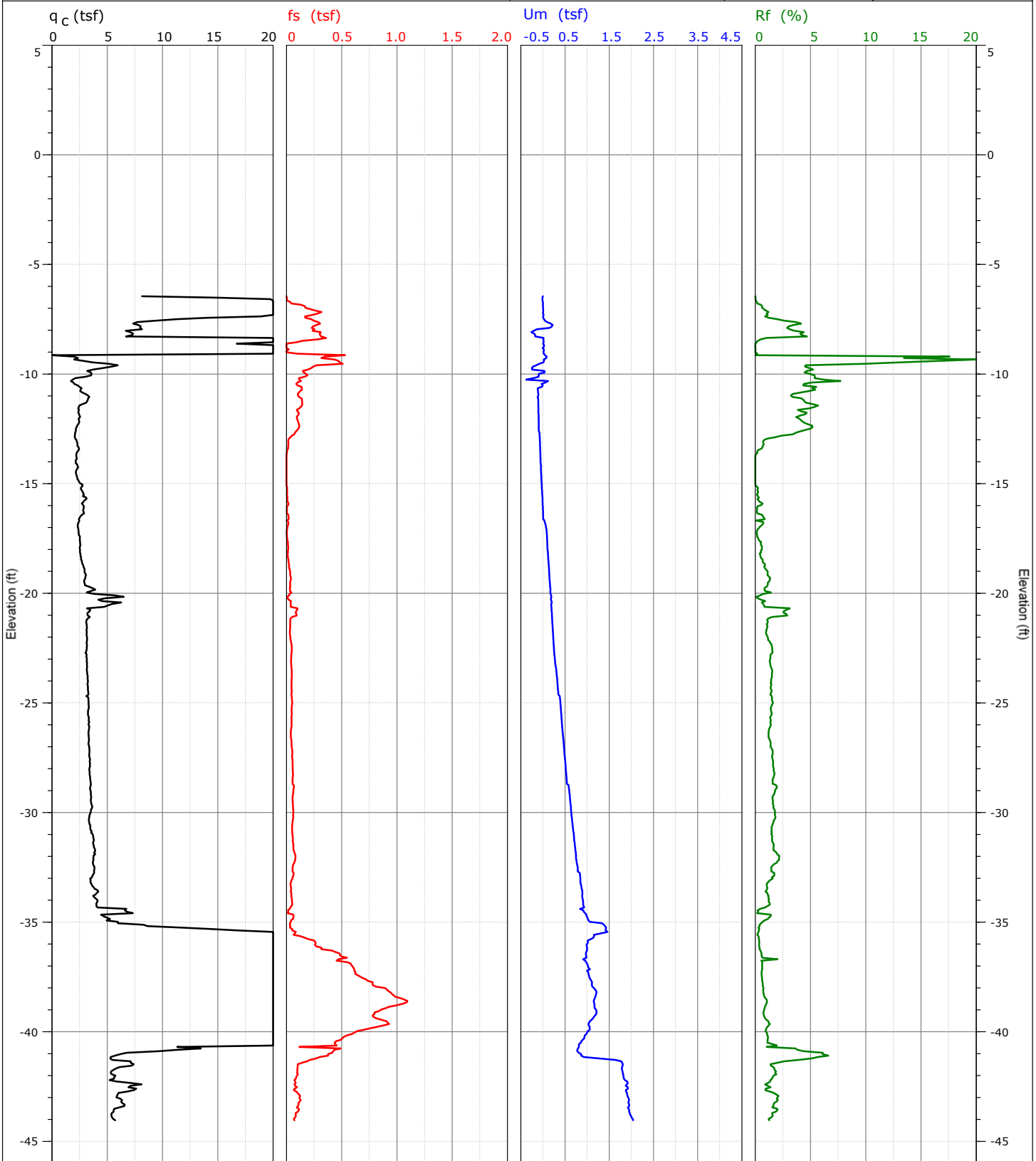
<b>State Project</b>	<b>Site Name</b> 17th Street Canal- East Bank	<b>Performed By</b> Geo Engineering UCB and STE	<b>Sounding No.</b> 17-CPT-7	<b>Ground Elevation</b> 0.5	
<b>Location</b> N30.01736 W90.12116 north of displaced block, next to USACE fence			<b>Logger: A. Athanasopoulos</b>	<b>SHEET 1 of 1</b>	
			<b>Logger: D. Cobos</b>	<b>Date Completed</b> 2/03/06	
			<b>Cone #</b>		




fs --> Sleeve Friction  
qc --> Cone Resistance  
Um --> Pore pressure measured  
Rf --> Friction Ratio = fs/qc


<b>Log Developer:</b> Juan Gabriel Vera-Grunauer CVA Consulting Group	
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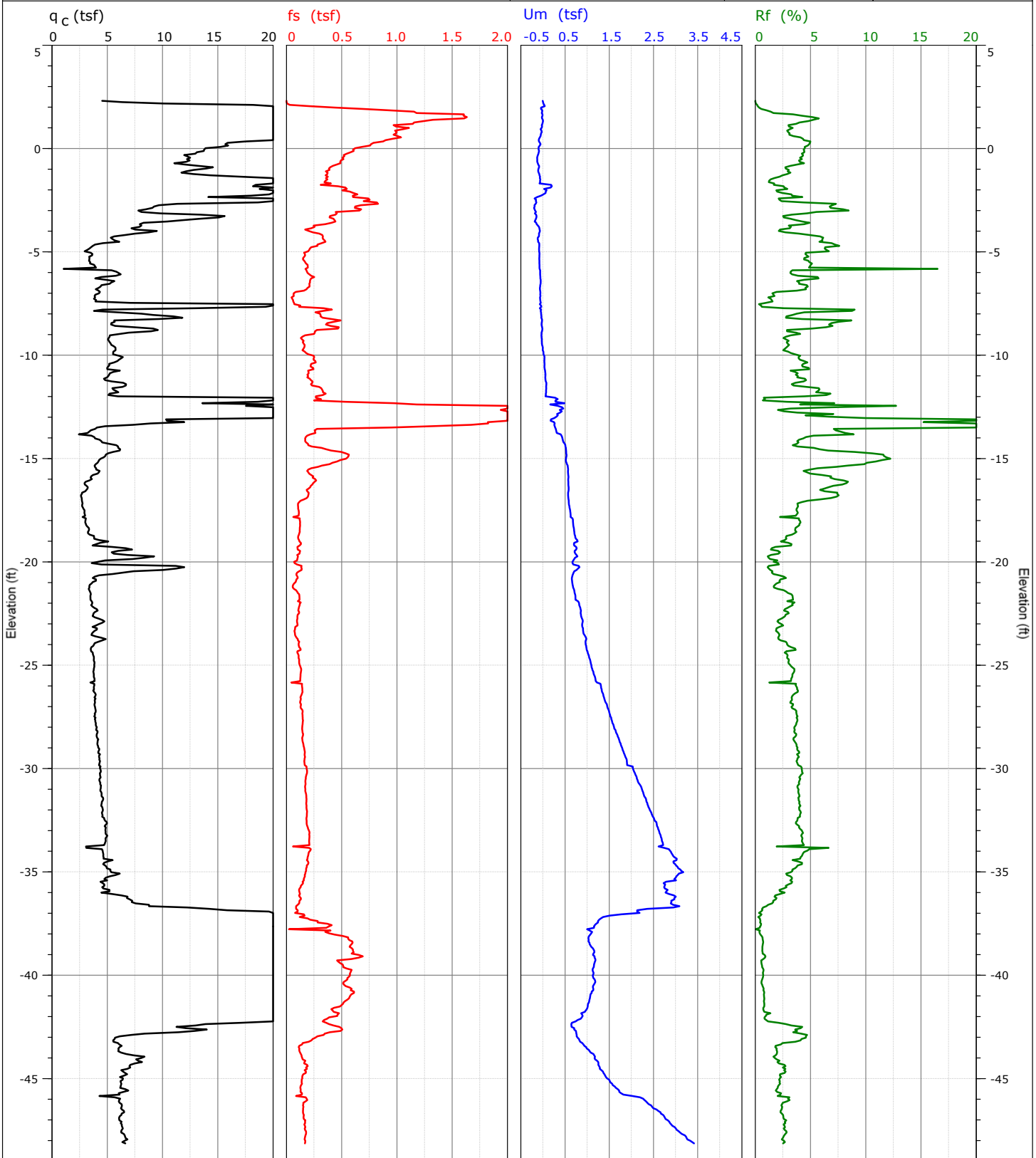
<b>State Project</b>	<b>Site Name</b> 17th Street Canal- East Bank	<b>Performed By</b> Geo Engineering UCB and STE	<b>Sounding No.</b> 17-CPT-9A	<b>Ground Elevation</b> -6.6	
<b>Location</b> N30.01636 W90.12077		<b>Logger: A. Athanasopoulos</b>		<b>SHEET 1 of 1</b>	
south of breach, between 6810 and 6814 Belaire Dr.		<b>Logger: C. Watkins</b>		<b>Date Completed</b> 2/06/06	
		<b>Cone #</b>			




$f_s$  --> Sleeve Friction  
 $q_c$  --> Cone Resistance  
 $U_m$  --> Pore pressure measured  
 $R_f$  --> Friction Ratio =  $f_s/q_c$


<b>Log Developer:</b> Juan Gabriel Vera-Grunauer CVA Consulting Group	
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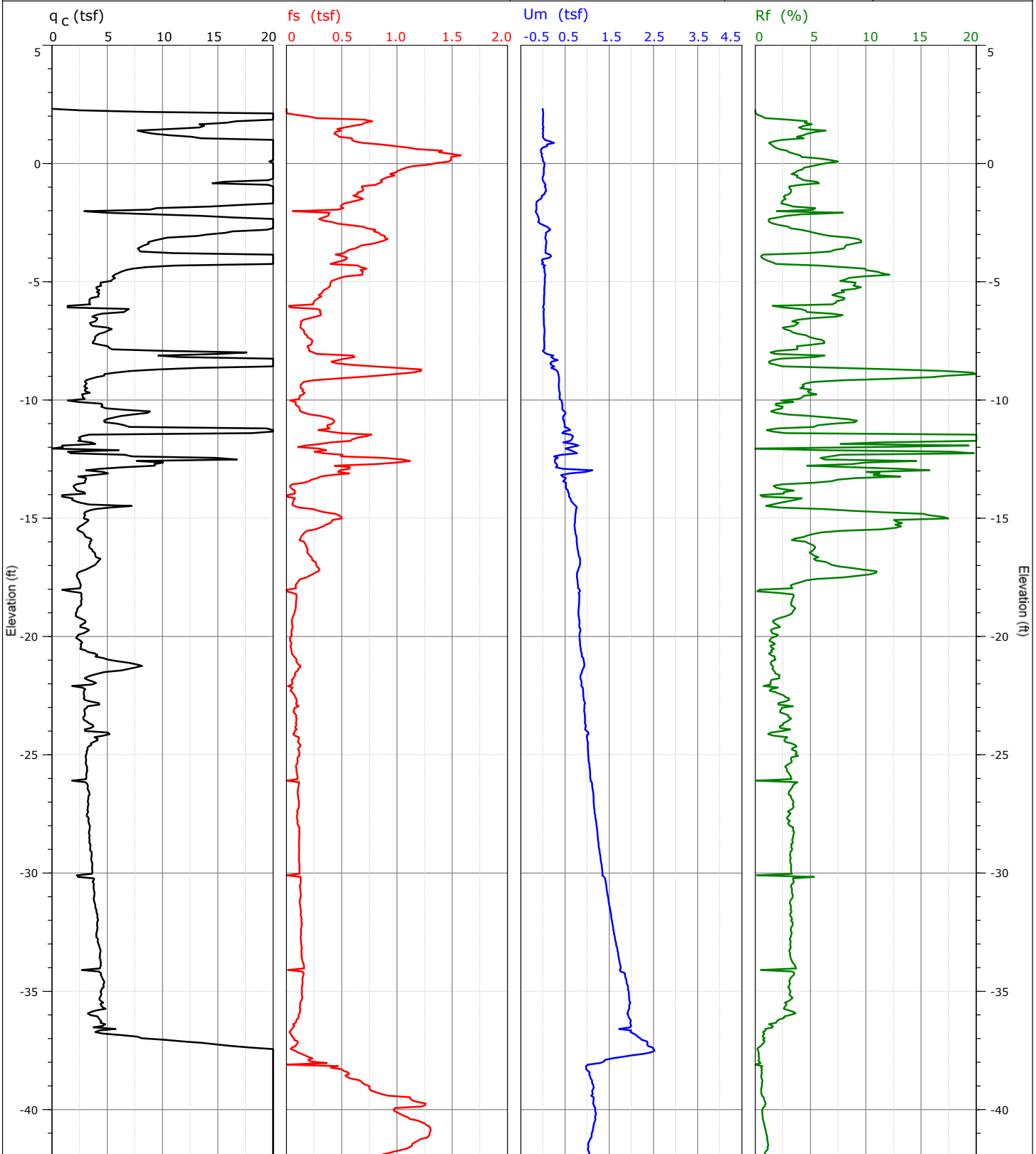
<b>State Project</b>	<b>Site Name</b> 17th Street Canal- West Bank	<b>Performed By</b> Geo Engineering UCB and STE	<b>Sounding No.</b> 17-CPT-10A	<b>Ground Elevation</b> 4.31	
<b>Location</b> N30.01731 W90.12202 Orpheum Ave., north of Ash St., levee crest			<b>Logger: A. Athanasopoulos</b>	<b>SHEET 1 of 1</b>	
			<b>Logger: C. Watkins</b>	<b>Date Completed</b> 2/06/06	
			<b>Cone #</b>		




fs --> Sleeve Friction  
q<sub>c</sub> --> Cone Resistance  
Um --> Pore pressure measured  
Rf --> Friction Ratio = fs/q<sub>c</sub>

<b>Log Developer:</b> Juan Gabriel Vera-Grunauer CVA Consulting Group	
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<b>State Project</b>	<b>Site Name</b> 17th Street Canal- West Bank	<b>Performed By</b> Geo Engineering UCB and STE	<b>Sounding No.</b> 17-CPT-11	<b>Ground Elevation</b> 4.31	
<b>Location</b> N30.01641 W90.12212 Orpheum Ave., between Ash St., and Poplar St. south of 17-CPT-10, levee crest			<b>Logger: A. Athanasopoulos</b>	<b>SHEET 1 of 1</b>	
			<b>Logger: C. Watkins</b>	<b>Date Completed</b> 2/07/06	
			<b>Cone #</b>		



fs --> Sleeve Friction  
qc --> Cone Resistance  
Um --> Pore pressure measured  
Rf --> Friction Ratio = fs/qc

<b>Log Developer:</b>		
Juan Gabriel Vera-Grunauer CVA Consulting Group		






Base map: IPET

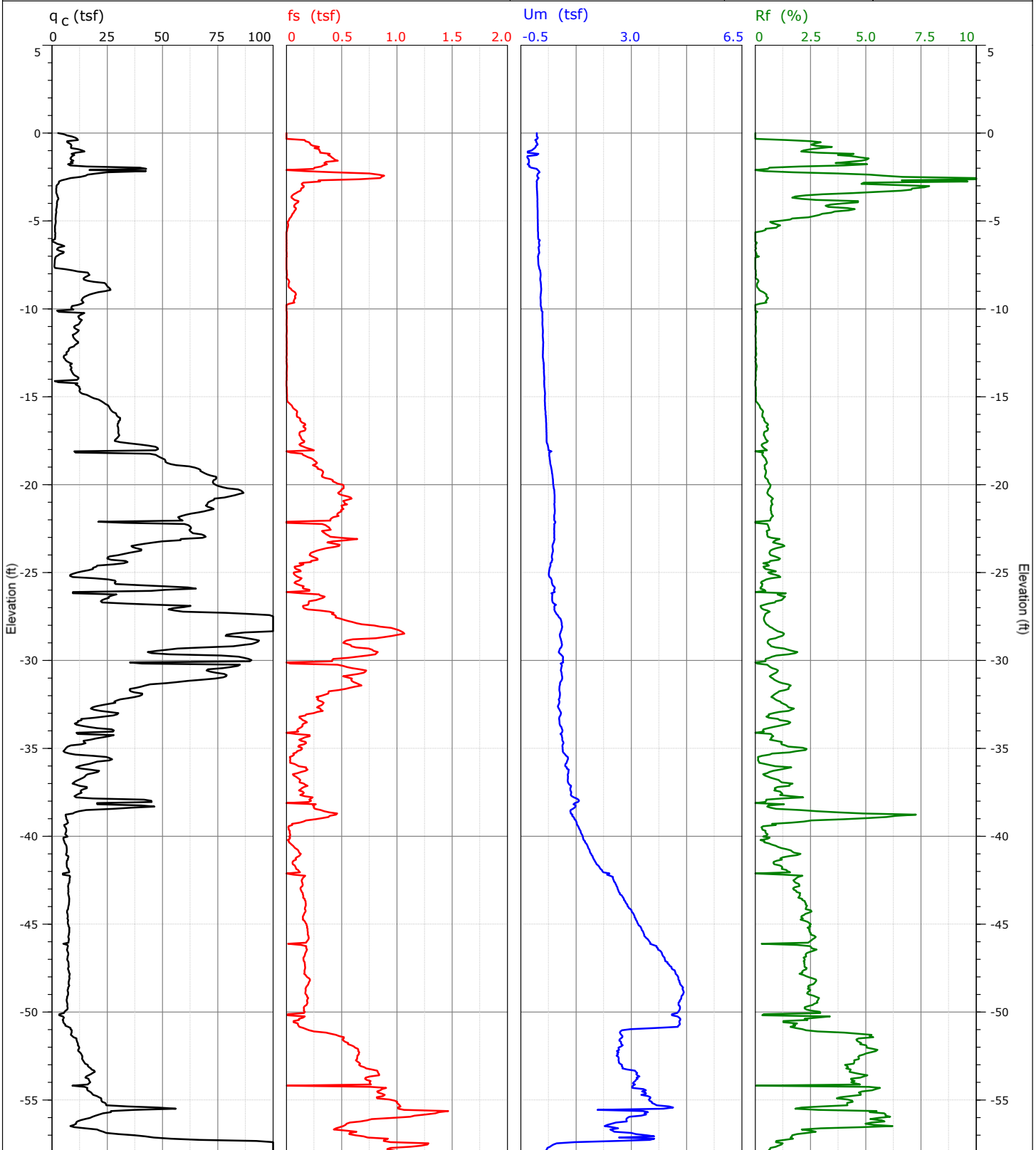
**LEGEND**

- London 2006 ILIT Field Vane
- London 2006 ILIT Boring and Cone Penetration Test
- LAC-BOR-#: Boring
- LAC-CON-#: Continuous Boring
- LAC-CPT-#: Cone Penetration Test


**LONDON AVENUE CANAL (NORTH)  
APPROXIMATE ILIT BORING, CPT, VANE LOCATIONS  
New Orleans, Louisiana**


SIZE	DATE 05/04/2006	DWG NO. LACSitePlan	REV
SCALE	Not Drawn To Scale		SHEET

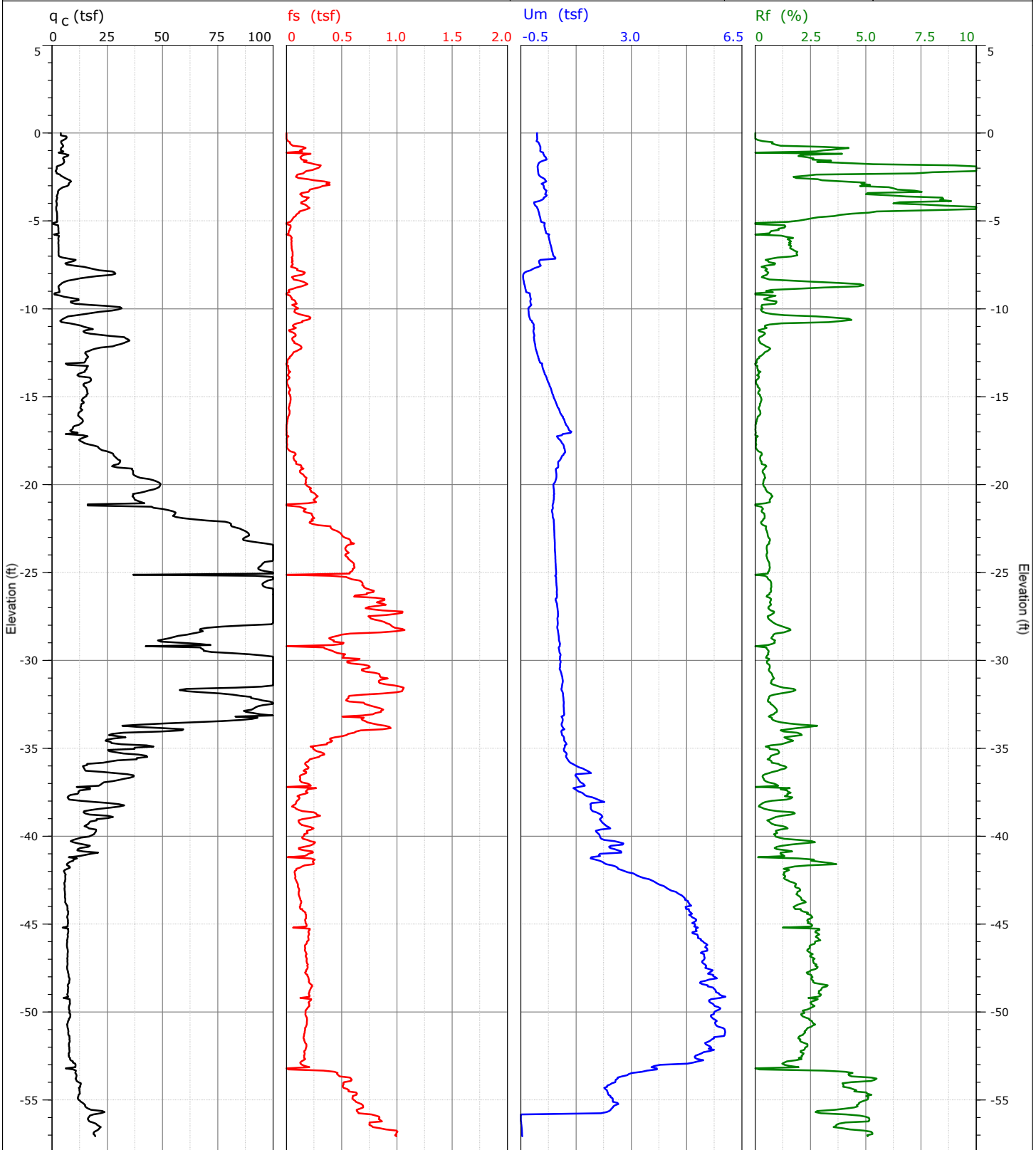
<b>State Project</b>	<b>Site Name</b> London Ave. Canal North West Bank	<b>Performed By</b> Geo Engineering UCB and STE	<b>Sounding No.</b> LACW-cpt1	<b>Ground Elevation</b> -5.6	
<b>Location</b> N30.02044 W90.07136 middle of breach, frontyard of 6109 Pratt Drive		<b>Logger: D. Karadeniz</b>		<b>SHEET 1 of 1</b>	
		<b>CPT Operator</b>	<b>Date Completed</b> 2/07/06		
		<b>Cone #</b>			




fs --> Sleeve Friction  
q<sub>c</sub> --> Cone Resistance  
Um --> Pore pressure measured  
Rf --> Friction Ratio = fs/q<sub>c</sub>

<b>Log Developer:</b> Juan Gabriel Vera-Grunauer CVA Consulting Group	
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<b>State Project</b>	<b>Site Name</b> London Ave. Canal North West Bank	<b>Performed By</b> Geo Engineering UCB and STE	<b>Sounding No.</b> LACW-cpt2	<b>Ground Elevation</b> 2.8	
<b>Location</b> N30.02048 W90.07104 middle of breach, pre-Katrina levee toe		<b>Logger: D. Karadeniz</b>		<b>SHEET 1 of 1</b>	
		<b>CPT Operator</b>		<b>Date Completed</b> 2/07/06	
		<b>Cone #</b>			

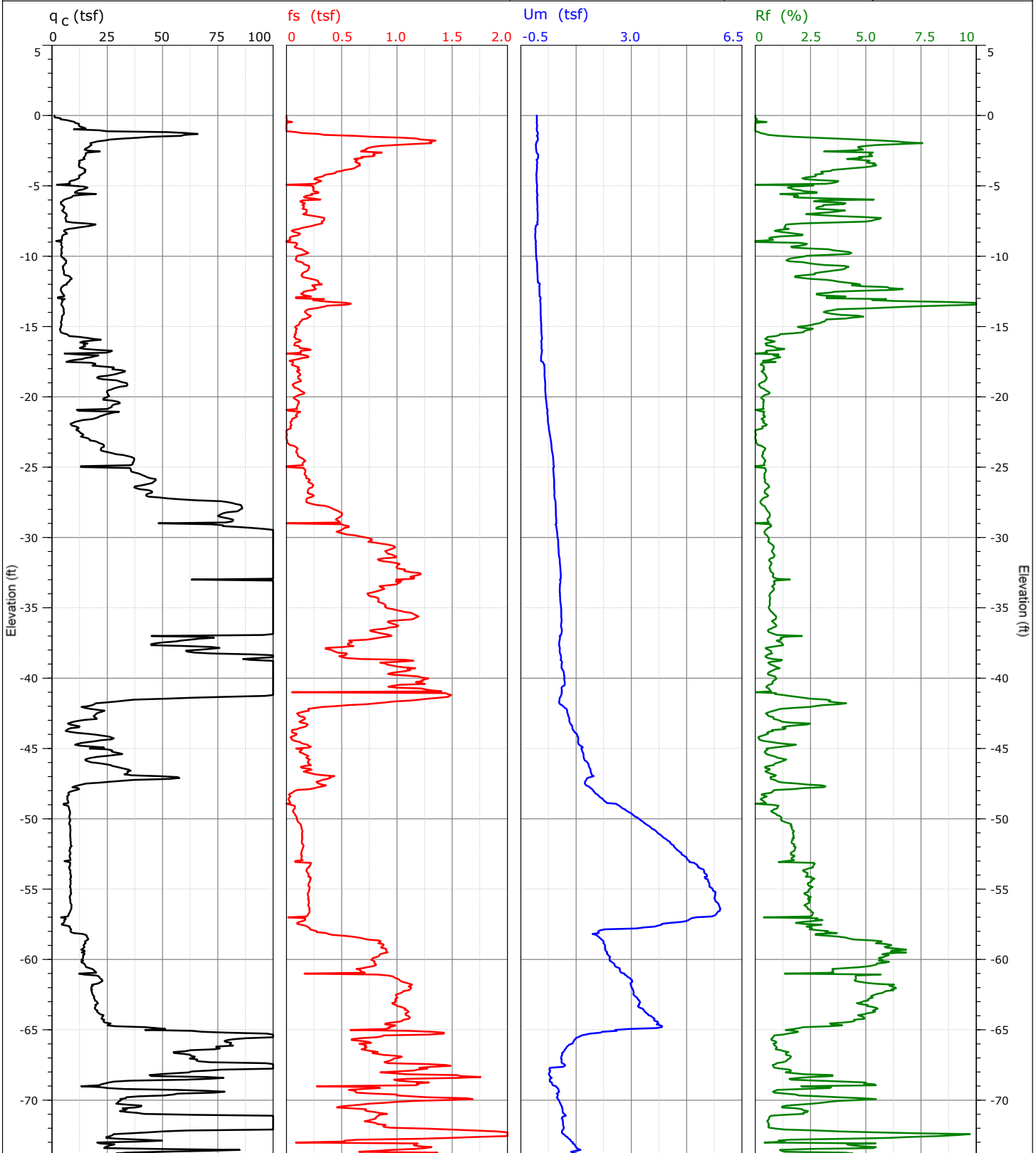


fs --> Sleeve Friction  
qc --> Cone Resistance  
Um --> Pore pressure measured  
Rf --> Friction Ratio = fs/qc


<b>Log Developer:</b>		
Juan Gabriel Vera-Grunauer		
CVA Consulting Group		




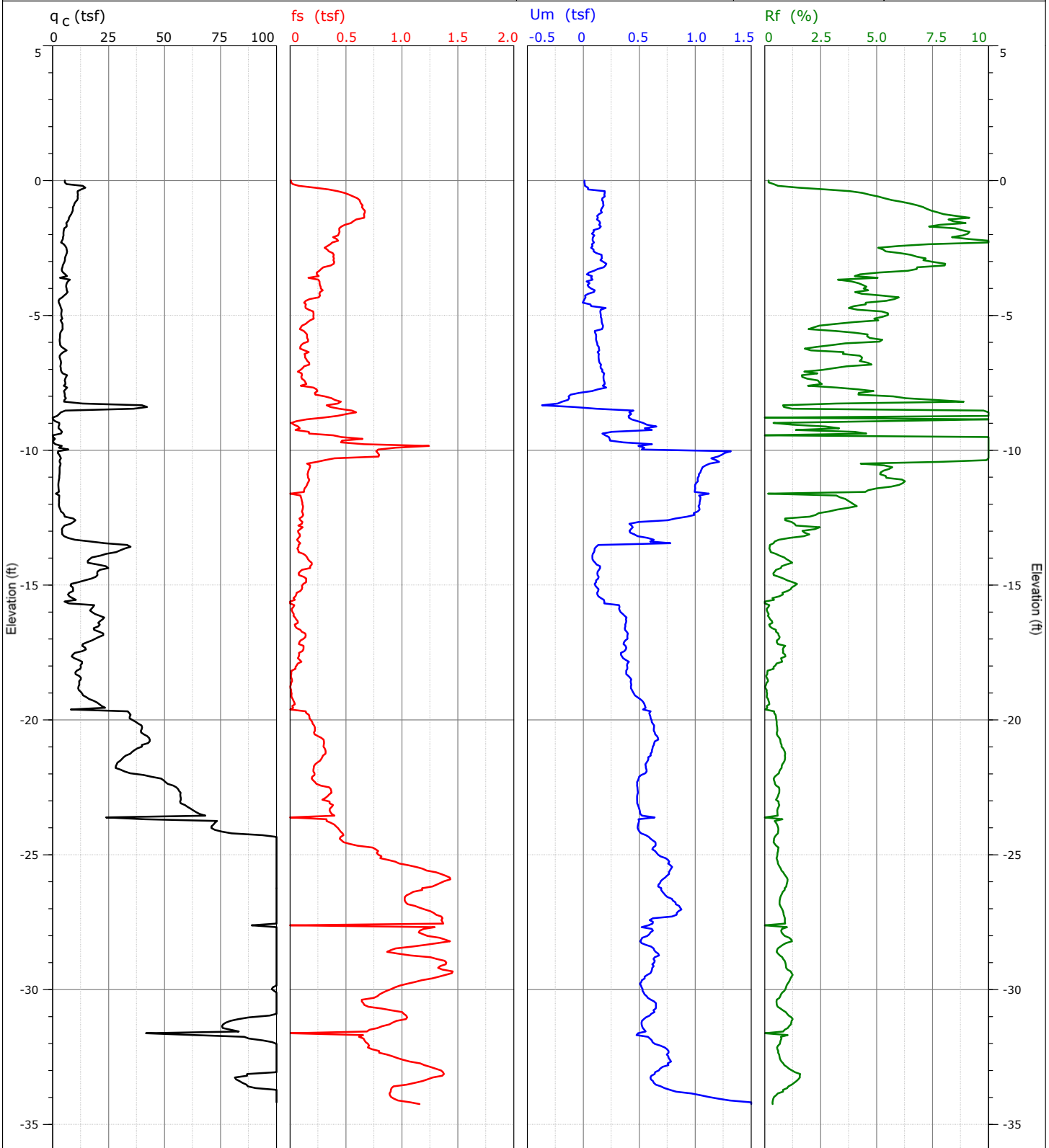
<b>State Project</b>	<b>Site Name</b> London Ave. Canal North West Bank	<b>Performed By</b> Geo Engineering UCB and STE	<b>Sounding No.</b> LACW-cpt3	<b>Ground Elevation</b>	
<b>Location</b> N30.02131 W90.07094		<b>Logger: D. Karadeniz</b>		<b>SHEET 1 of 1</b>	
north of breach, on the levee, next to Robert E. Lee bridge		<b>CPT Operator</b>		<b>Date Completed</b>	
		<b>Cone #</b>		2/07/06	




fs --> Sleeve Friction  
qc --> Cone Resistance  
Um --> Pore pressure measured  
Rf --> Friction Ratio = fs/qc


<b>Log Developer:</b>		
Juan Gabriel Vera-Grunauer CVA Consulting Group		

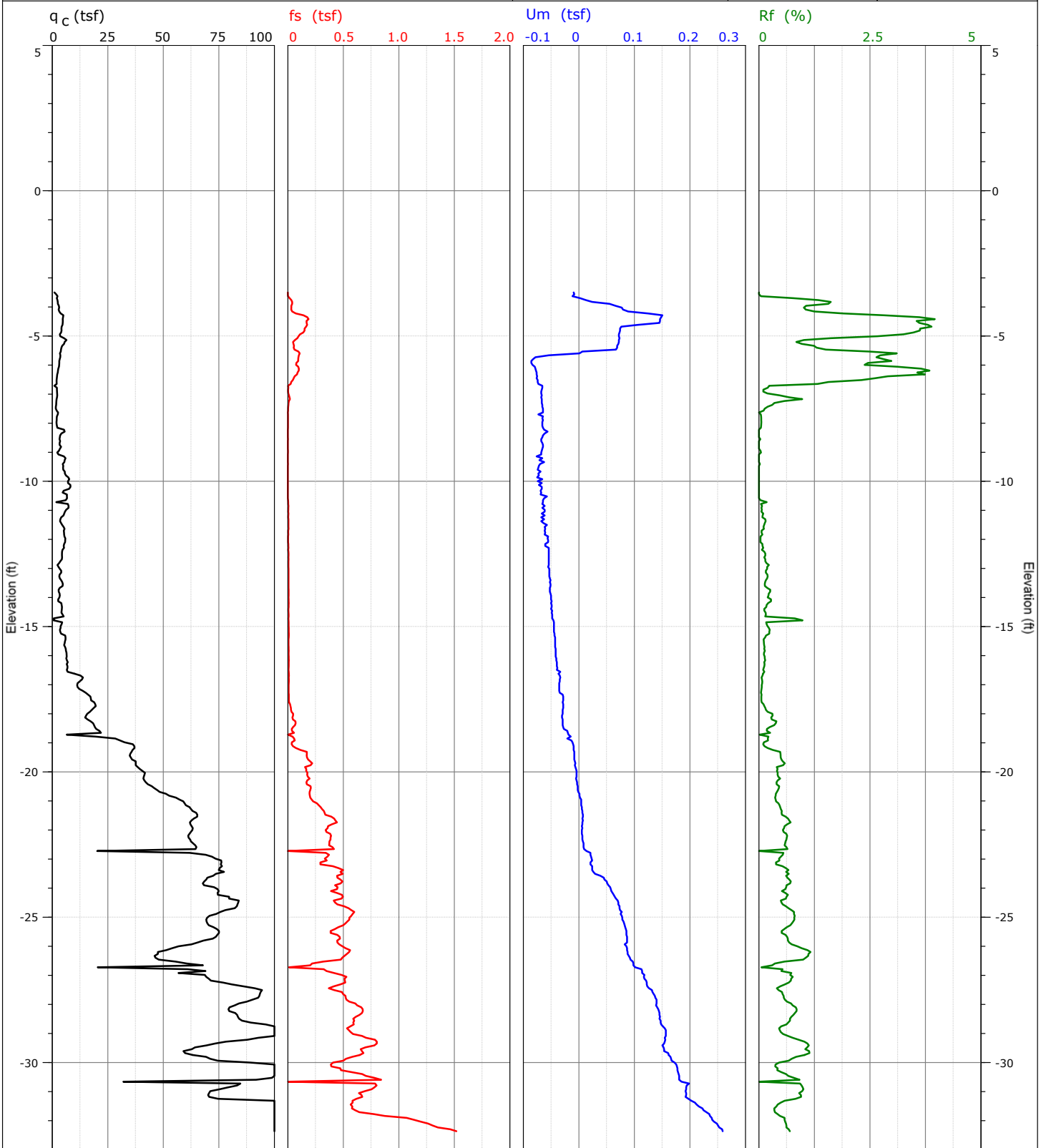
<b>State Project</b>	<b>Site Name</b> London Ave. Canal North West Bank	<b>Performed By</b> Geo Engineering UCB and STE	<b>Sounding No.</b> LACW-cpt4	<b>Ground Elevation</b> 2.6	
<b>Location</b> N30.01953 W90.07082		<b>Logger: D. Karadeniz</b>		<b>SHEET 1 of 1</b>	
30' south end of breach, levee crest		<b>CPT Operator</b>	<b>Date Completed</b> 2/07/06		
		<b>Cone #</b>			




fs --> Sleeve Friction  
qc --> Cone Resistance  
Um --> Pore pressure measured  
Rf --> Friction Ratio = fs/qc


<b>Log Developer:</b> Juan Gabriel Vera-Grunauer CVA Consulting Group	
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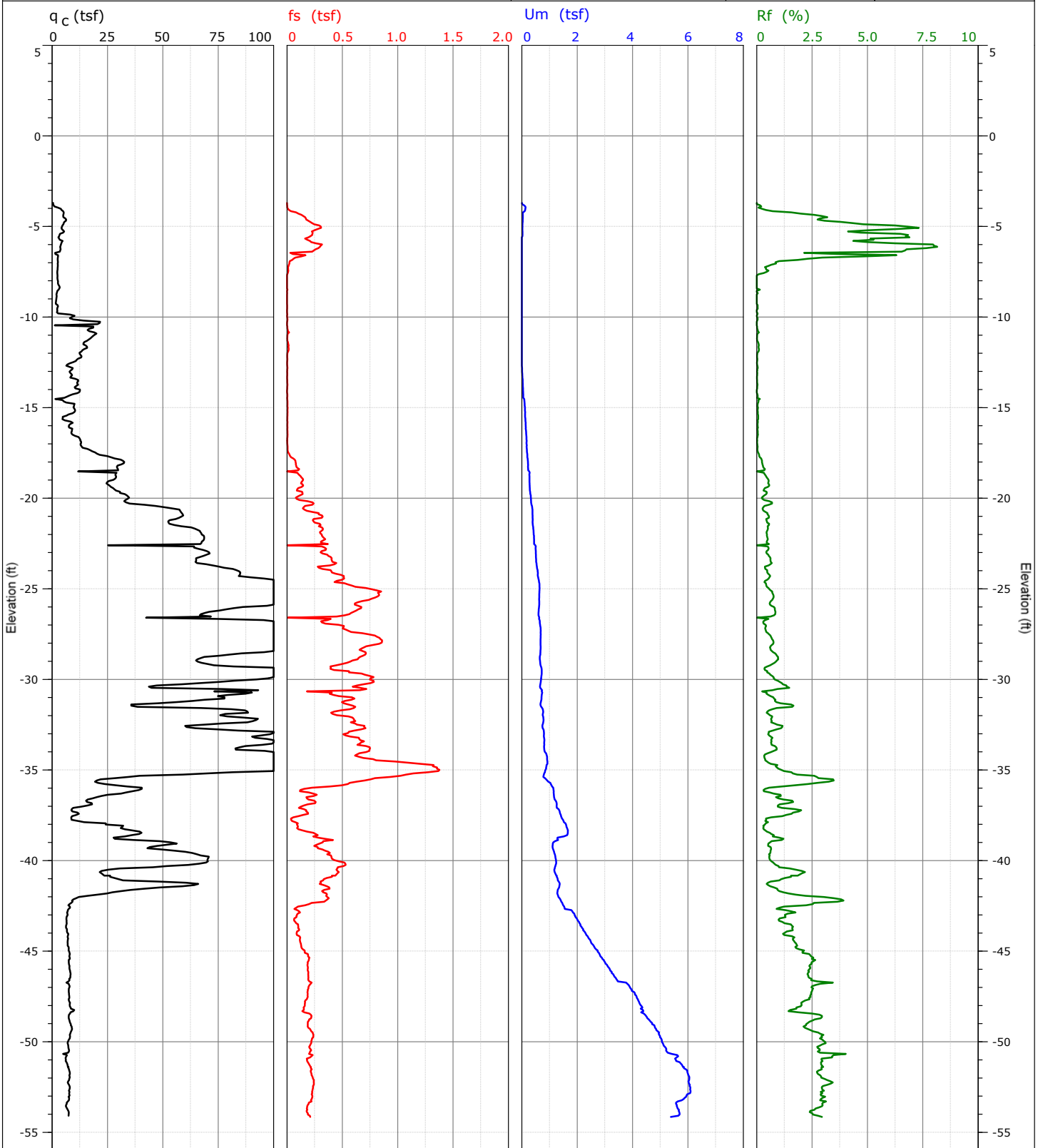
<b>State Project</b>	<b>Site Name</b> London Ave. Canal North East Bank	<b>Performed By</b> Geo Engineering UCB and STE	<b>Sounding No.</b> LAC-cpt1	<b>Ground Elevation</b> -7.7	
<b>Location</b> N30.02097 W90.07027 back yard of 6076 Warrington Drive		<b>Logger: A. Athanasopoulos</b>		<b>SHEET 1 of 1</b>	
		<b>Logger:</b>		<b>Date Completed</b> 2/10/06	
		<b>Cone #</b>			




fs --> Sleeve Friction  
qc --> Cone Resistance  
Um --> Pore pressure measured  
Rf --> Friction Ratio = fs/qc


<b>Log Developer:</b>		
Juan Gabriel Vera-Grunauer CVA Consulting Group		

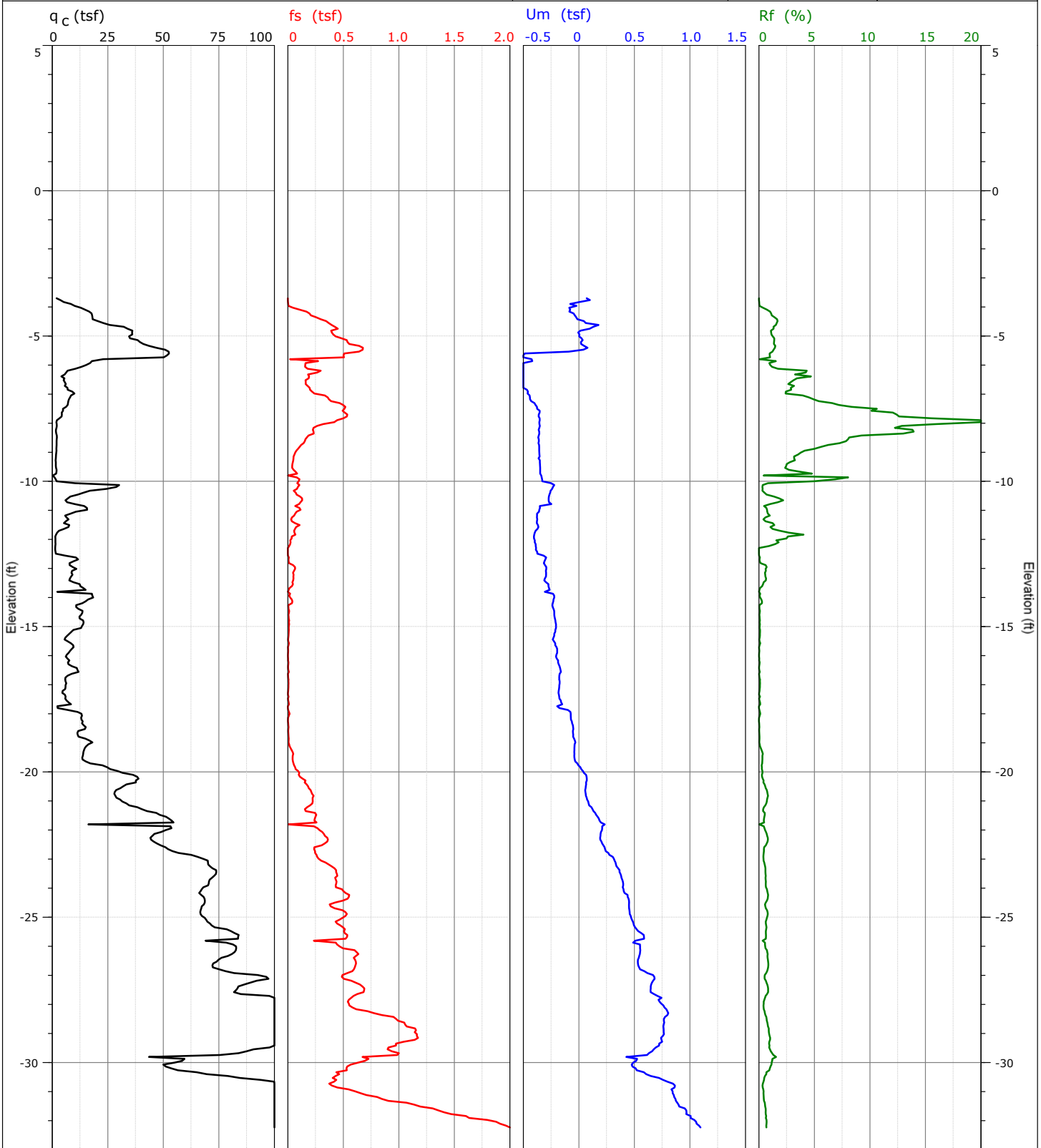
<b>State Project</b>	<b>Site Name</b> London Ave. Canal North East Bank	<b>Performed By</b> Geo Engineering UCB and STE	<b>Sounding No.</b> LAC-cpt2	<b>Ground Elevation</b>	
<b>Location</b> N30.02062 W90.07026		<b>Logger: A. Athanasopoulos</b>		<b>SHEET 1 of 1</b>	
120' South of LAC-CPT-1		<b>Logger:</b>		<b>Date Completed</b> 2/09/06	
		<b>Cone #</b>			




$f_s$  --> Sleeve Friction  
 $q_c$  --> Cone Resistance  
 $U_m$  --> Pore pressure measured  
 $R_f$  --> Friction Ratio =  $f_s/q_c$


<b>Log Developer:</b>		
Juan Gabriel Vera-Grunauer CVA Consulting Group		

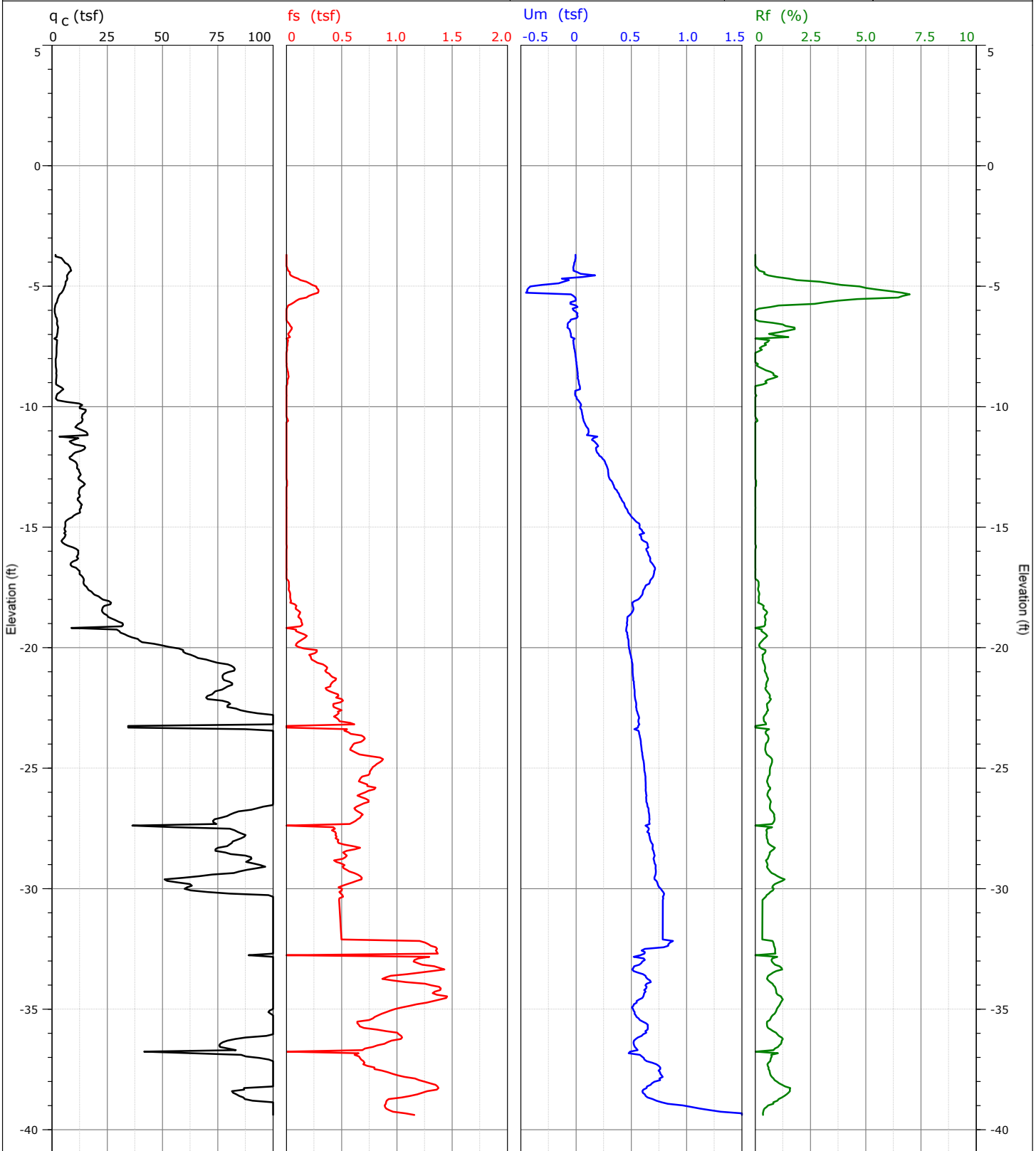
<b>State Project</b>	<b>Site Name</b> London Ave. Canal North East Bank	<b>Performed By</b> Geo Engineering UCB and STE	<b>Sounding No.</b> LAC-cpt3	<b>Ground Elevation</b>	
<b>Location</b> N30.02135 W90.07053		<b>Logger: A. Athanasopoulos</b>		<b>SHEET 1 of 1</b>	
130' north of LAC-CPT-1		<b>Logger:</b>		<b>Date Completed</b> 2/08/06	
		<b>Cone #</b>			




fs --> Sleeve Friction  
qc --> Cone Resistance  
Um --> Pore pressure measured  
Rf --> Friction Ratio = fs/qc

<b>Log Developer:</b>		
Juan Gabriel Vera-Grunauer CVA Consulting Group		

<b>State Project</b>	<b>Site Name</b> London Ave. Canal North East Bank	<b>Performed By</b> Geo Engineering UCB and STE	<b>Sounding No.</b> LAC-cpt4	<b>Ground Elevation</b>	
<b>Location</b> N30.01998 W90.07032		<b>Logger: A. Athanasopoulos</b>		<b>SHEET 1 of 1</b>	
280' south of LAC-CPT-1		<b>Logger:</b>		<b>Date Completed</b> 2/09/06	
		<b>Cone #</b>			



fs --> Sleeve Friction  
qc --> Cone Resistance  
Um --> Pore pressure measured  
Rf --> Friction Ratio = fs/qc

<b>Log Developer:</b> Juan Gabriel Vera-Grunauer CVA Consulting Group	
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Base map: Google Earth


**LEGEND**

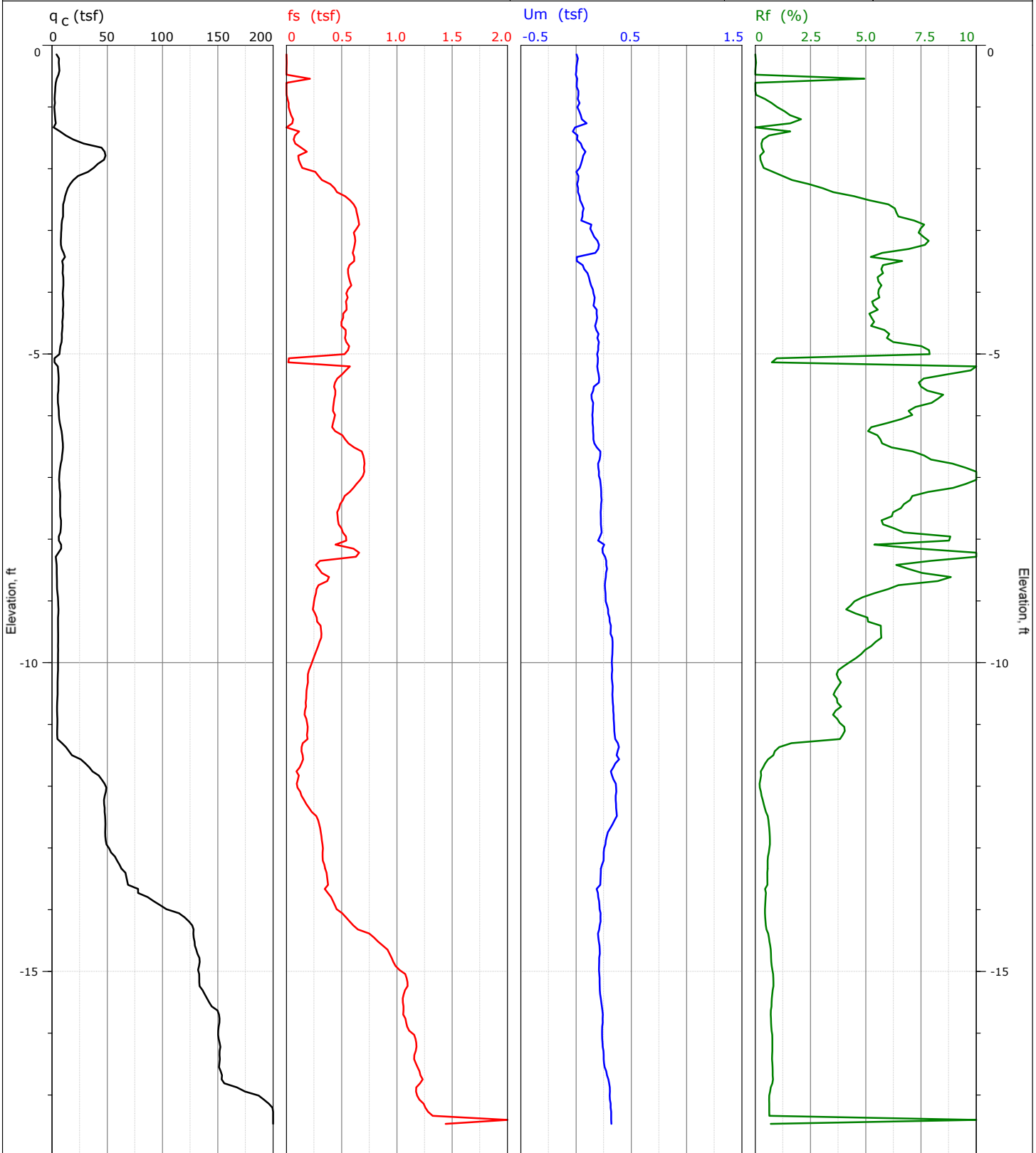
- SLON-#.05C | USACE 2005 CPT
- LACS-CPT-# | ILIT 2006 CPT
- ⊕ LACS-BOR-# | ILIT 2006 BORING
- ⊖ LACS-CON-# | ILIT 2006 CONTINUOUS BORING

**LONDON AVENUE CANAL (SOUTH)  
APPROXIMATE ILIT BORING AND CPT LOCATIONS  
New Orleans, Louisiana**


SIZE	DATE 04/21/2006	DWG NO. LACS BOR & CPT SitePlan	REV
SCALE	Not Drawn To Scale		SHEET




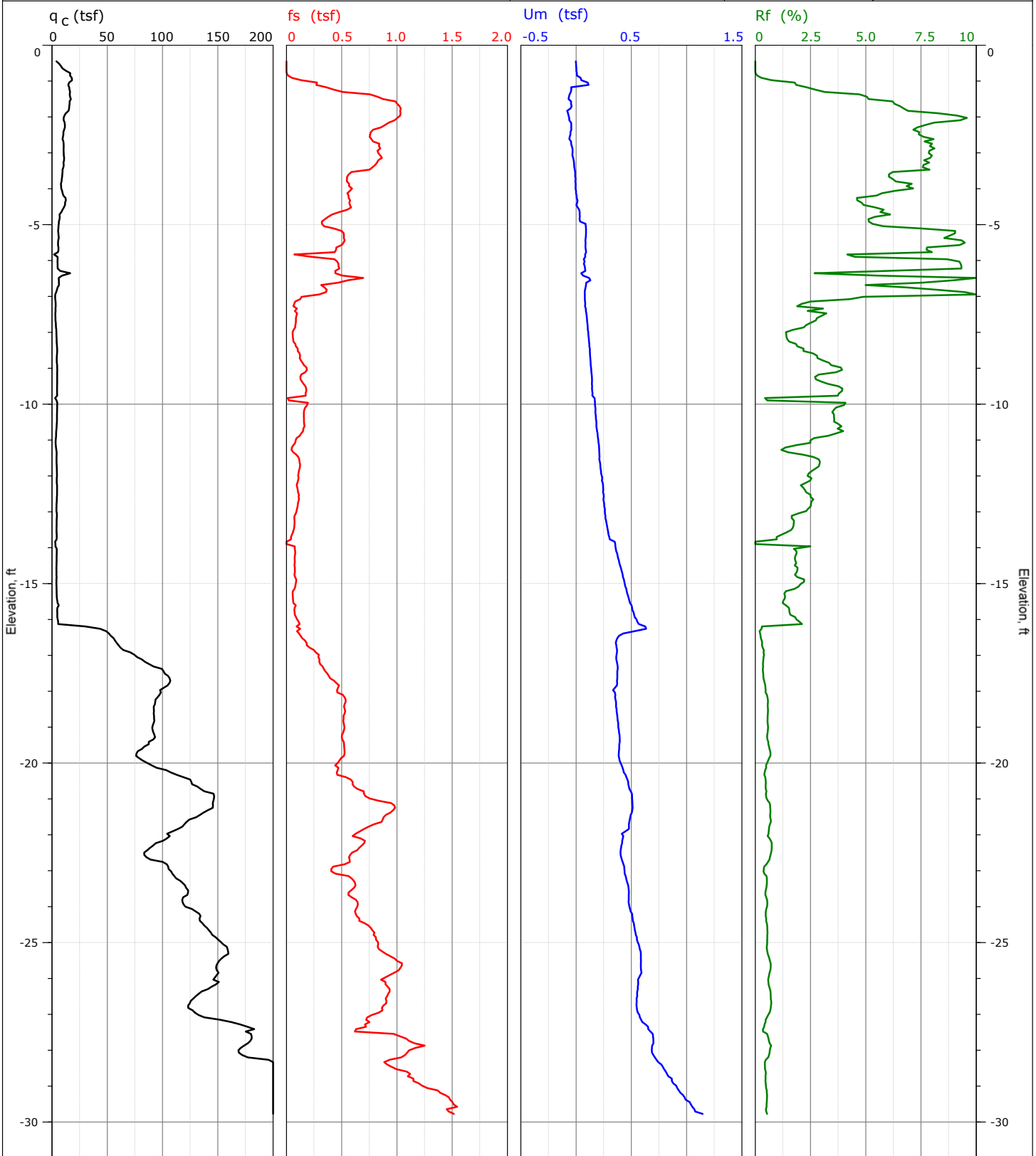
<b>State Project</b>	<b>Site Name</b> London Ave. Canal South	<b>Performed By</b> Geo Engineering UCB and STE	<b>Sounding No.</b> LACS-1	<b>Ground Elevation</b> -0.15	
<b>Location</b> N30.00908 W90.0694		<b>Logger: A. Athanasopoulos</b>		<b>SHEET 1 of 1</b>	
40' north of breach, levee slope		<b>Logger: D. Cobos</b>		<b>Date Completed</b> 2/16/06	
		<b>Cone #</b>			




fs --> Sleeve Friction  
 qc --> Cone Resistance  
 Um --> Pore pressure measured  
 Rf --> Friction Ratio = fs/qc


<b>Log Developer:</b>		
Juan Gabriel Vera-Grunauer CVA Consulting Group		

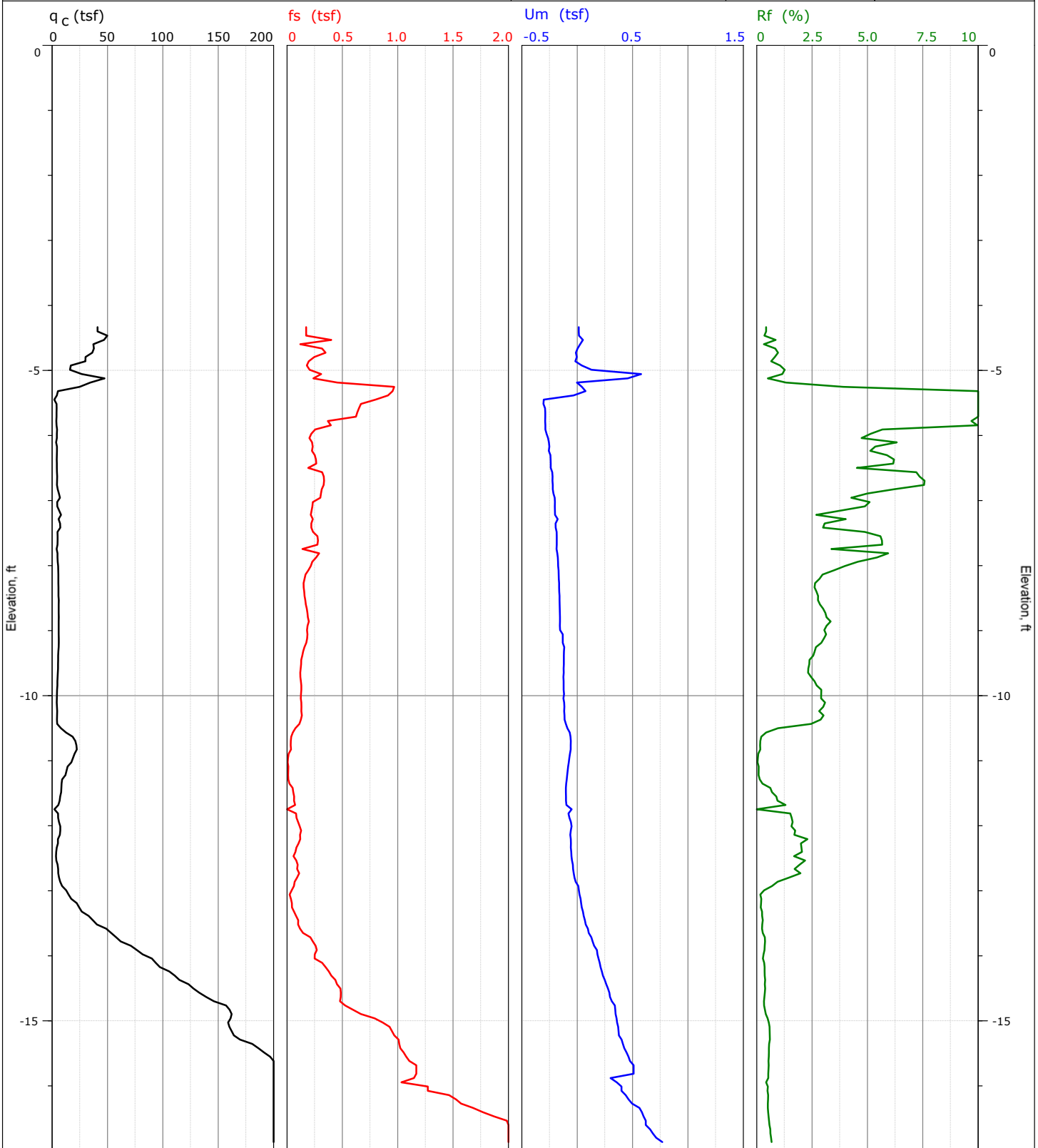
<b>State Project</b>	<b>Site Name</b> London Ave. Canal- South	<b>Performed By</b> Geo Engineering UCB and STE	<b>Sounding No.</b> LACS-2	<b>Ground Elevation</b> 4.6	
<b>Location</b> N30.00797 W90.06931			<b>Logger: A. Athanasopoulos</b>	<b>SHEET 1 of 1</b>	
30' south of breach, on emergency repair fill			<b>Logger: D. Cobos</b>	<b>Date Completed</b> 2/16/06	
			<b>Cone #</b>		




fs --> Sleeve Friction  
qc --> Cone Resistance  
Um --> Pore pressure measured  
Rf --> Friction Ratio = fs/qc

<b>Log Developer:</b> Juan Gabriel Vera-Grunauer CVA Consulting Group	
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<b>State Project</b>	<b>Site Name</b> London Ave. Canal- South	<b>Performed By</b> Geo Engineering UCB and STE	<b>Sounding No.</b> LACS-3	<b>Ground Elevation</b> 4.6	
<b>Location</b> N30.0085 W90.06907 middle of breach, backyard of house on Warrington Dr. and Wilton Dr.			<b>Logger: A. Athanasopoulos</b>	<b>SHEET 1 of 1</b>	
			<b>Logger: D. Cobos</b>	<b>Date Completed</b> 2/16/06	
			<b>Cone #</b>		



fs --> Sleeve Friction  
qc --> Cone Resistance  
Um --> Pore pressure measured  
Rf --> Friction Ratio = fs/qc

<b>Log Developer:</b> Juan Gabriel Vera-Grunauer CVA Consulting Group	
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FLORIDA AVE.

OLD SHEET PILE

JOURDAN AVENUE

NORTH CLAIBORNE AVE.

IHNC-N-CPT-1  
 IHNC-N-BOR-1  
 IHNC-N-CON-1

= N. Dorgenois St.

= N. Rocheblave St.

= N. Derbigny St.

= N. Miro St.

= N. Galvez St.

= N. Johnson St.

IHNC-S-BOR-3  
 IHNC-S-CPT-3

IHNC-S-BOR-2  
 IHNC-S-CPT-2





= N. Prieur St.

= N. Roman St.

IHNC-S-CPT-1  
 IHNC-S-BOR-1  
 IHNC-S-CON-1

= N. Derbigny St.


**LEGEND**

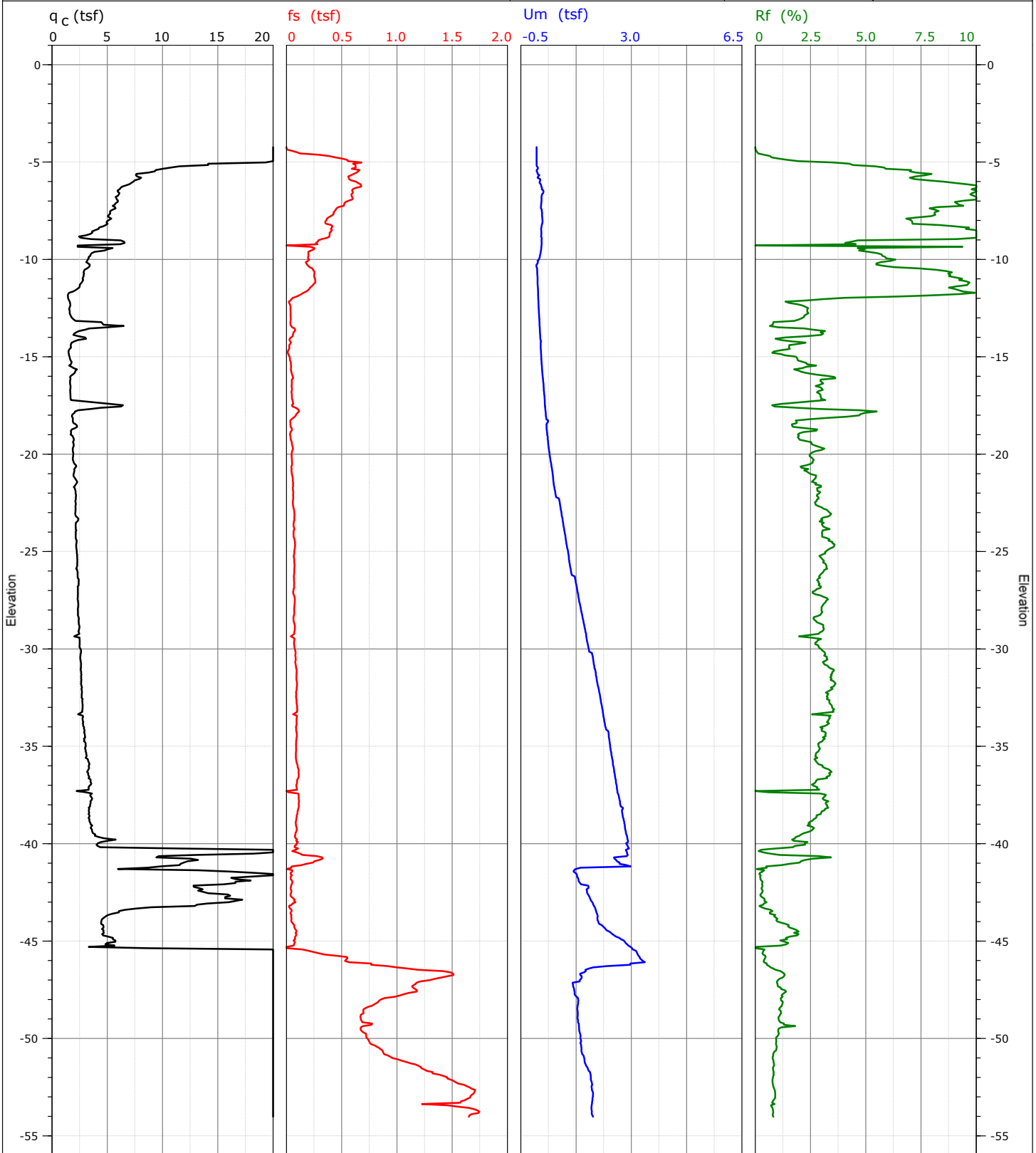
-  IHBR-N-BOR-# IHNC NORTH 2006 ILIT BORING
-  IHNC-N-CON-# IHNC NORTH 2006 ILIT CONTINUOUS BORING
-  IHNC-S-CPT-# IHNC NORTH 2006 ILIT CONE PENETRATION TEST
-  IHBR-S-BOR-# IHNC SOUTH 2006 ILIT BORING

**LOWER NINTH WARD  
 APPROXIMATE ILIT BORING & CPT LOCATIONS**


New Orleans, Louisiana


SIZE	DATE 04/21/2006	DWG NO. IHNC BOR & CPT SitePlan	REV
SCALE	Not Drawn To Scale		SHEET

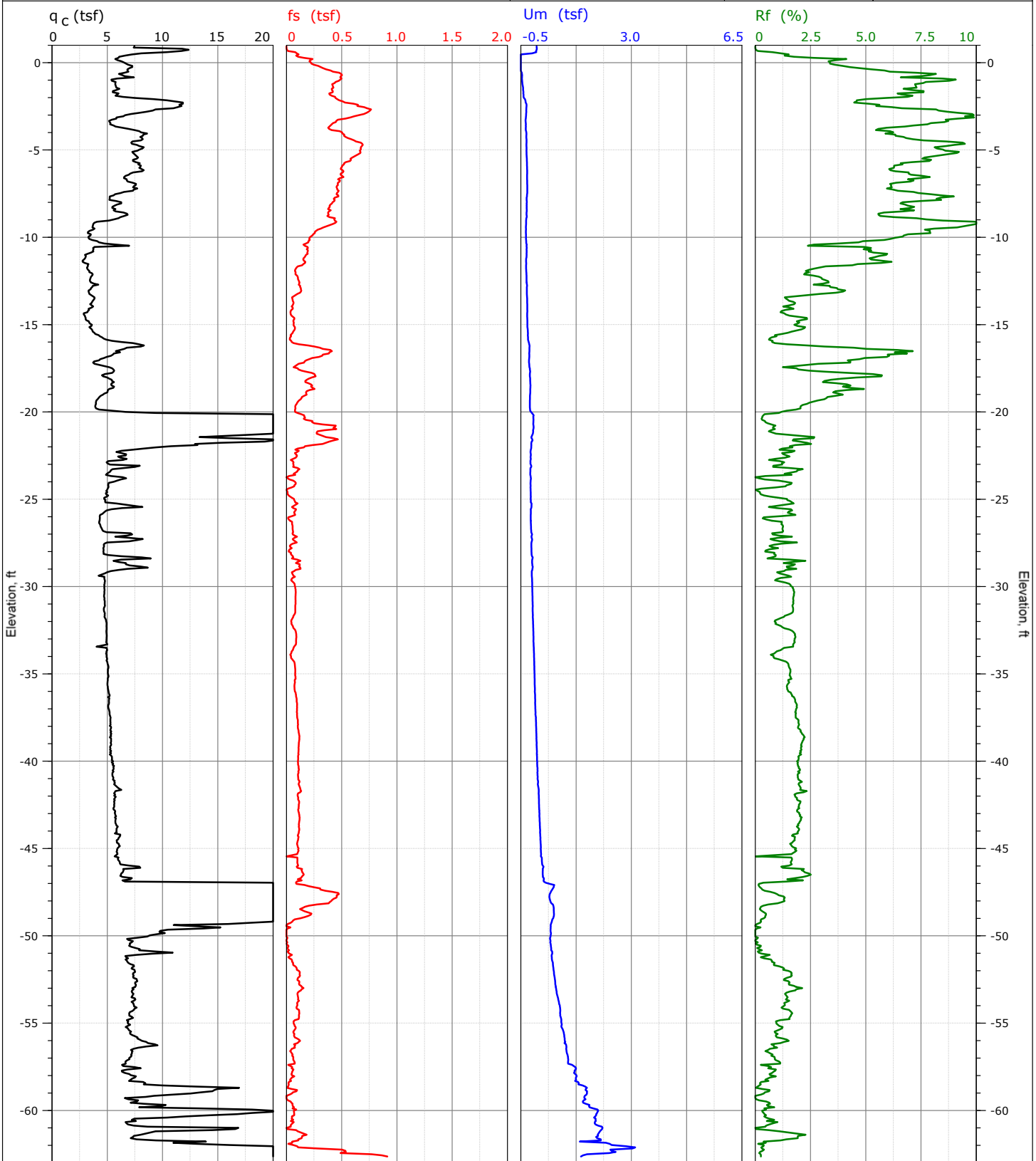
<b>State Project</b>	<b>Site Name</b> IHNC North- East Bank	<b>Performed By</b> Geo Engineering UCB and STE	<b>Sounding No.</b> IHNC-N-1	<b>Ground Elevation</b> -3.38	
<b>Location</b> N29.9787 W90.02049		<b>Logger: A. Athanasopoulos</b>		<b>SHEET 1 of 1</b>	
middle of north breach (south of Florida Ave.)		<b>Logger: D. Cobos</b>		<b>Date Completed</b> 2/21/06	
		<b>Cone #</b>			




fs --> Sleeve Friction  
 $q_c$  --> Cone Resistance  
 $U_m$  --> Pore pressure measured  
 $R_f$  --> Friction Ratio =  $f_s/q_c$


<b>Log Developer:</b> Juan Gabriel Vera-Grunauer CVA Consulting Group	
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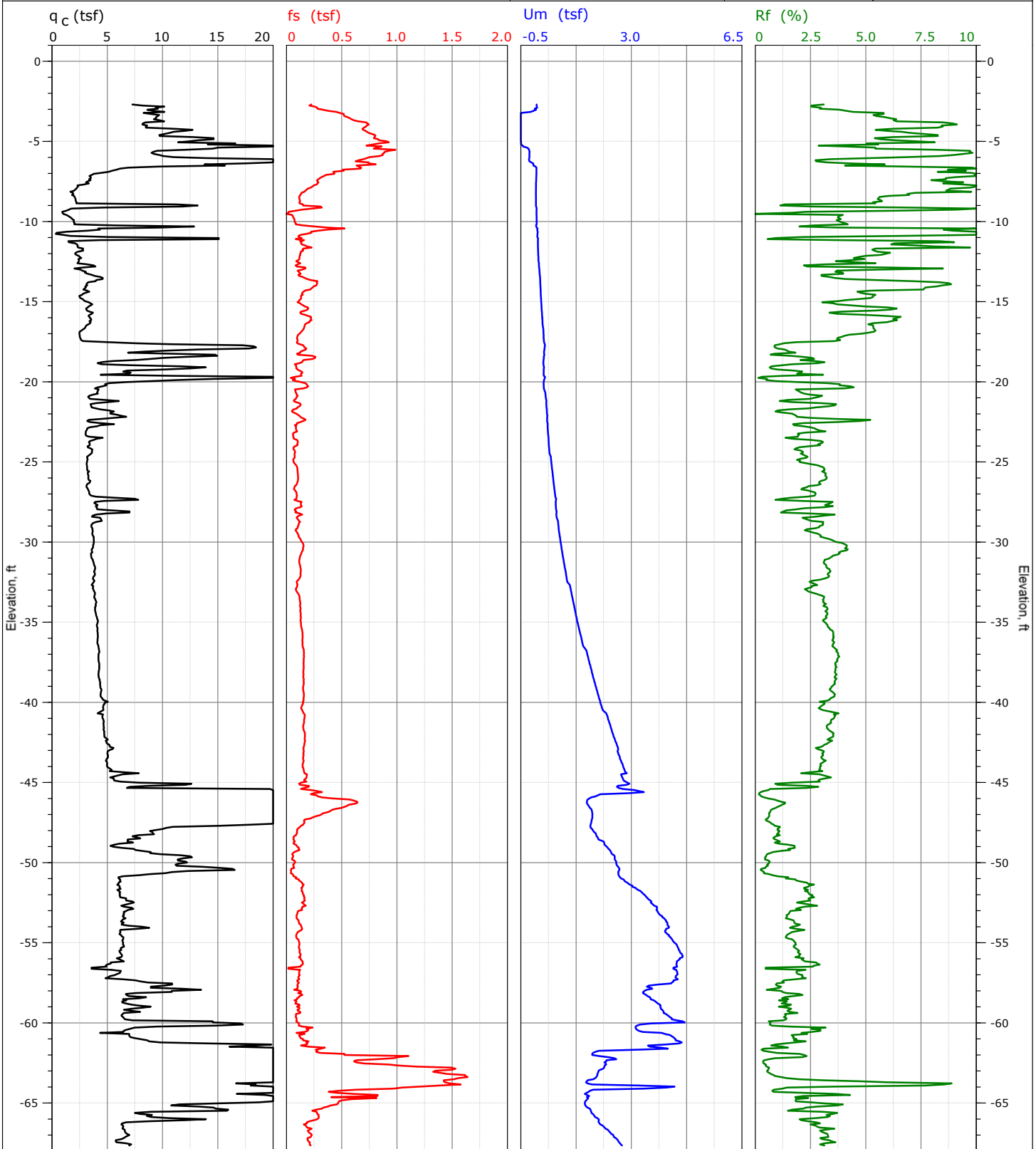
<b>State Project</b>	<b>Site Name</b> IHNC South- East Bank	<b>Performed By</b> Geo Engineering UCB and STE	<b>Sounding No.</b> IHNC-S-1	<b>Ground Elevation</b> 0.93	
<b>Location</b> N29.97035 W90.02314		<b>Logger: A. Athansopoulos</b>		<b>SHEET 1 of 1</b>	
south of south breach, ~600' north of Claiborne bridge		<b>Logger: D. Cobos</b>		<b>Date Completed</b> 2/17/06	
		<b>Cone #</b>			




$f_s$  --> Sleeve Friction  
 $q_c$  --> Cone Resistance  
 $U_m$  --> Pore pressure measured  
 $R_f$  --> Friction Ratio =  $f_s/q_c$

<b>Log Developer:</b> Juan Gabriel Vera-Grunauer CVA Consulting Group	
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<b>State Project</b>	<b>Site Name</b> IHNC South- East Bank	<b>Performed By</b> Geo Engineering UCB and STE	<b>Sounding No.</b> IHNC-S-2	<b>Ground Elevation</b> -2.7	
<b>Location</b> N29.97126 W90.02292 middle of south breach, ~1050' north of Claiborne bridge		<b>Logger: A. Athanasopoulos</b>	<b>SHEET 1 of 1</b>		
		<b>Logger D. Cobos</b>	<b>Date Completed</b> 2/16/06		
		<b>Cone #</b>			

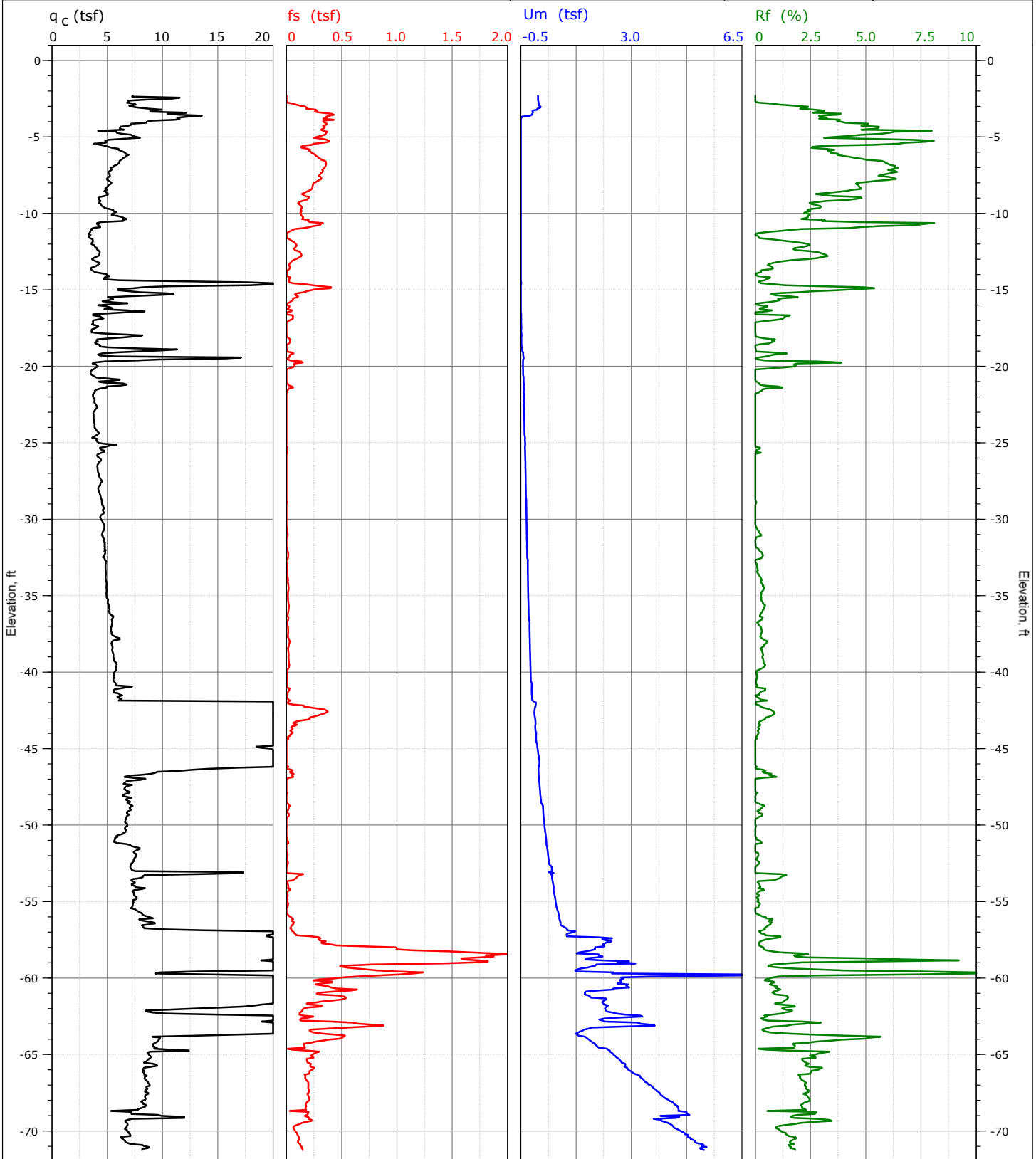


fs --> Sleeve Friction  
qc --> Cone Resistance  
Um --> Pore pressure measured  
Rf --> Friction Ratio = fs/qc


<b>Log Developer:</b>		
Juan Gabriel Vera-Grunauer CVA Consulting Group		



<b>State Project</b>	<b>Site Name</b> IHNC South- East Bank	<b>Performed By</b> Geo Engineering UCB and STE	<b>Sounding No.</b> IHNC-S-3	<b>Ground Elevation</b> -2.3	
<b>Location</b> N29.97248 W90.02257  north of south breach, ~1500' north of Claiborne bridge			<b>Logger: A. Athanasopoulos</b>	<b>SHEET 1 of 1</b>	
			<b>Logger: D. Cobos</b>	<b>Date Completed</b> 2/21/06	
			<b>Cone #</b>		



$f_s$  --> Sleeve Friction  
 $q_c$  --> Cone Resistance  
 $U_m$  --> Pore pressure measured  
 $R_f$  --> Friction Ratio =  $f_s/q_c$

<b>Log Developer:</b>	
Juan Gabriel Vera-Grunauer CVA Consulting Group	