PRESENTATION OF SITE INVESTIGATION RESULTS

Las Animas Levee

Prepared for:

AECOM

ConeTec Job No: 23-52-25874

Project Start Date: 2023-May-30
Project End Date: 2023-Jun-12
Report Date: 2023-Jun-28

Prepared by:

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ABOUT THIS REPORT

The enclosed report presents the results of the site investigation program conducted by ConeTec, Inc. The program consisted of Piezocone Penetration Testing and Pore Pressure Dissipation Testing. Please note that this report, which also includes all accompanying data, are subject to the 3rd Party Disclaimer and Client Disclaimer that follow in the 'Limitations' section of this report.

Project Information	
Client	AECOM
Project	Las Animas Levee
ConeTec Project Number	23-52-25874
Rig Description	30-ton Track CPT Rig (TC-13)

Coordinates	
Collection Method	USB/Serial GPS
EPSG Number	4326 (WGS 84 / LatLong)

Cone Penetration Test (CPTu)	
Depth Reference	Existing ground surface at the time of the investigation
Sleeve data offset	0.1 Meters

Please refer to the list of attached documents following the text of this report. A test summary, location map, and plots are included. Thank you for the opportunity to work on this project.

LIMITATIONS

3rd Party Disclaimer

- The “Report” refers to this report titled Las Animas Levee
- The Report was prepared by ConeTec for AECOM

The Report is confidential and may not be distributed to or relied upon by any third parties without the express written consent of ConeTec. Any third parties gaining access to the Report do not acquire any rights as a result of such access. Any use which a third party makes of the Report, or any reliance on or decisions made based on it, are the responsibility of such third parties. ConeTec accepts no responsibility for loss, damage and/or expense, if any, suffered by any third parties as a result of decisions made, or actions taken or not taken, which are in any way based on, or related to, the Report or any portion(s) thereof.

Client Disclaimer

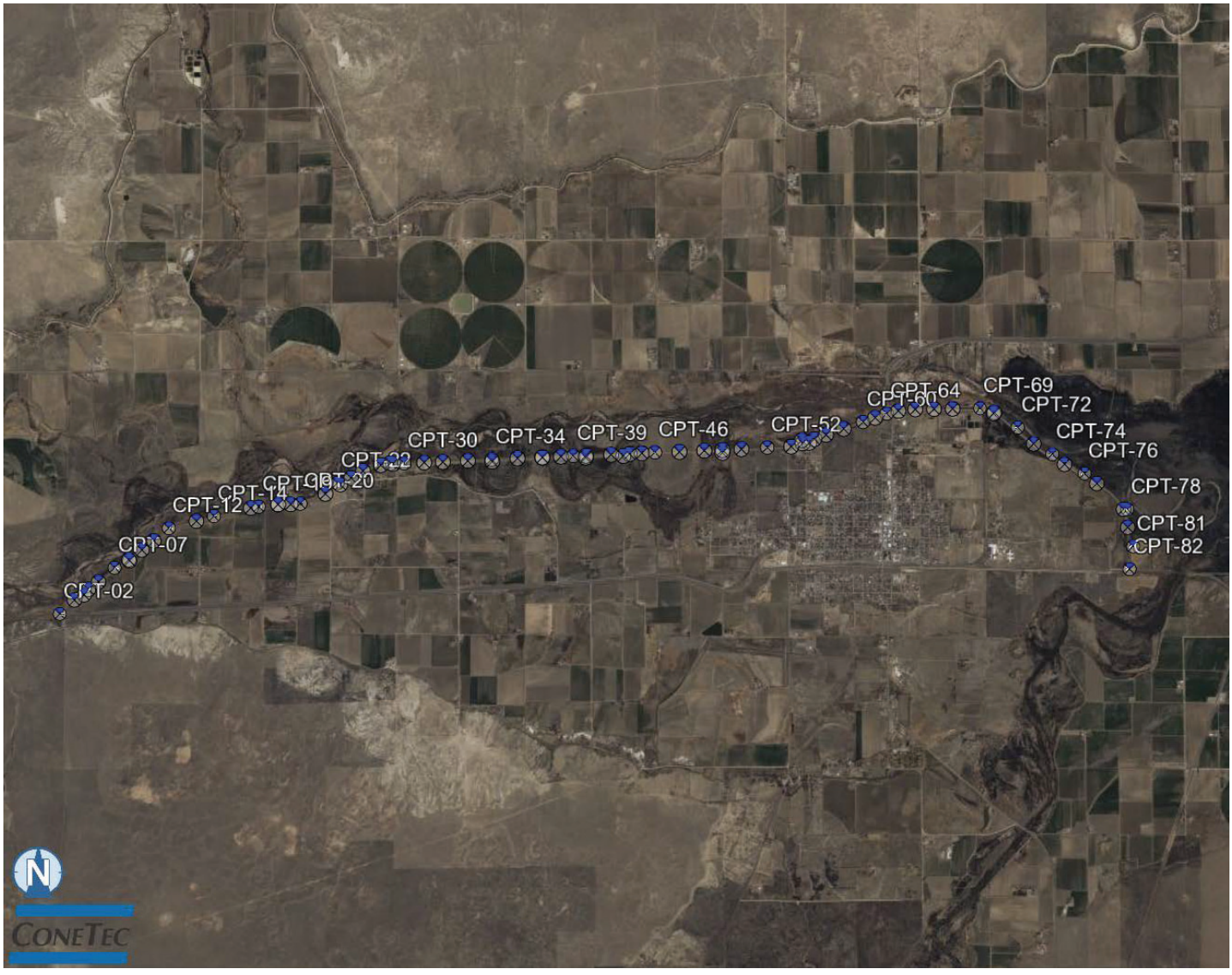
- ConeTec was retained by AECOM
- The “Report” refers to this report titled Las Animas Levee
- ConeTec was retained to collect and provide the raw data (“Data”) which is included in the Report.

ConeTec has collected and reported the Data in accordance with current industry standards. No other warranty, express or implied, with respect to the Data is made by ConeTec. In order to properly understand the Data included in the Report, reference must be made to the documents accompanying and other sources referenced in the Report in their entirety. Other than the Data, the contents of the Report (including any Interpretations) should not be relied upon in any fashion without independent verification and ConeTec is in no way responsible for any loss, damage or expense resulting from the use of, and/or reliance on, such material by any party.

CONTENTS

The following listed below are included in the report:

SITE MAP



ConeTec Job Number: 23-52-25874

Client: AECOM

Project: Las Animas Levee

Report Date: 2023-Jun-28

Sounding Location

All sounding locations are approximate

ConeTec

Cone Penetration Test Summary and Standard Cone Penetration Test Plots

CONETEC

Job No: 23-52-25874
Client: AECOM
Project: Las Animas Levee
Start Date: 30-May-2023
End Date: 12-Jun-2023

CONE PENETRATION TEST SUMMARY

Sounding ID	File Name	Date	Cone	Cone Area (cm^2)	Final Depth (ft)	Latitude[1]	Longitude[1]	Elevation[2] (ft)	Refer to Notation Number
CPT-02	23-52-25874_CP02	11-Jun-2023	EC825:T1500F15U35	15	43.06	38.058099	-103.335166	3966	
CPT-03	23-52-25874_CP03	11-Jun-2023	EC825:T1500F15U35	15	44.29	38.059529	-103.333786	3963	
CPT-04	23-52-25874_CP04	11-Jun-2023	EC825:T1500F15U35	15	31.99	38.060098	-103.332439	3953	
CPT-05	23-52-25874_CP05	11-Jun-2023	EC825:T1500F15U35	15	41.58	38.060698	-103.331829	3963	
CPT-06	23-52-25874_CP06	10-Jun-2023	EC825:T1500F15U35	15	33.96	38.061515	-103.330452	3962	
CPT-07	23-52-25874_CP07	10-Jun-2023	EC825:T1500F15U35	15	28.95	38.063136	-103.327684	3959	
CPT-08	23-52-25874_CP08	10-Jun-2023	EC825:T1500F15U35	15	31.50	38.063978	-103.326277	3959	
CPT-09	23-52-25874_CP09	10-Jun-2023	EC825:T1500F15U35	15	24.61	38.063844	-103.326168	3954	
CPT-10	23-52-25874_CP10	10-Jun-2023	EC825:T1500F15U35	15	38.71	38.065033	-103.324456	3957	
CPT-11	23-52-25874_CP11	10-Jun-2023	EC825:T1500F15U35	15	36.99	38.066032	-103.322806	3955	
CPT-12	23-52-25874_CP12	10-Jun-2023	EC825:T1500F15U35	15	35.43	38.067467	-103.320241	3956	
CPT-13	23-52-25874_CP13	09-Jun-2023	EC825:T1500F15U35	15	41.58	38.068212	-103.316905	3954	
CPT-14	23-52-25874_CP14	09-Jun-2023	EC825:T1500F15U35	15	40.52	38.068777	-103.314016	3952	
CPT-15	23-52-25874_CP15	09-Jun-2023	EC825:T1500F15U35	15	38.47	38.069655	-103.309339	3946	
CPT-16	23-52-25874_CP16	09-Jun-2023	EC825:T1500F15U35	15	42.16	38.070050	-103.305539	3944	
CPT-17	23-52-25874_CP17	09-Jun-2023	EC825:T1500F15U35	15	40.11	38.070060	-103.305551	3944	
CPT-18	23-52-25874_CP18	09-Jun-2023	EC825:T1500F15U35	15	32.15	38.070069	-103.303784	3943	
CPT-19	23-52-25874_CP19	09-Jun-2023	EC825:T1500F15U35	15	34.78	38.069814	-103.307831	3945	
CPT-20	23-52-25874_CP20	09-Jun-2023	EC825:T1500F15U35	15	33.14	38.070144	-103.302090	3946	
CPT-21	23-52-25874_CP21	08-Jun-2023	EC825:T1500F15U35	15	29.53	38.071228	-103.298950	3942	
CPT-22	23-52-25874_CP22	08-Jun-2023	EC825:T1500F15U35	15	19.19	38.072397	-103.297001	3935	
CPT-23	23-52-25874_CP23	08-Jun-2023	EC825:T1500F15U35	15	26.57	38.072249	-103.296875	3940	
CPT-24	23-52-25874_CP24	08-Jun-2023	EC825:T1500F15U35	15	30.43	38.072974	-103.295385	3940	

Job No: 23-52-25874
Client: AECOM
Project: Las Animas Levee
Start Date: 30-May-2023
End Date: 12-Jun-2023

CONE PENETRATION TEST SUMMARY

Sounding ID	File Name	Date	Cone	Cone Area (cm^2)	Final Depth (ft)	Latitude[1]	Longitude[1]	Elevation[2] (ft)	Refer to Notation Number
CPT-25	23-52-25874_CP25	07-Jun-2023	EC825:T1500F15U35	15	33.96	38.073737	-103.293730	3940	
CPT-26	23-52-25874_CP26	07-Jun-2023	EC825:T1500F15U35	15	28.21	38.074389	-103.291245	3939	
CPT-28	23-52-25874_CP28	07-Jun-2023	EC825:T1500F15U35	15	17.14	38.074625	-103.289918	3931	
CPT-29	23-52-25874_CP29	07-Jun-2023	EC825:T1500F15U35	15	26.98	38.074532	-103.289541	3938	
CPT-30	23-52-25874_CP30	07-Jun-2023	EC825:T1500F15U35	15	35.19	38.074568	-103.287777	3937	
CPT-31	23-52-25874_CP31	07-Jun-2023	EC825:T1500F15U35	15	30.92	38.074685	-103.285203	3935	
CPT-32	23-52-25874_CP32	07-Jun-2023	EC825:T1500F15U35	15	28.87	38.074742	-103.282596	3935	
CPT-33	23-52-25874_CP33	06-Jun-2023	EC825:T1500F15U35	15	29.28	38.074870	-103.279115	3933	
CPT-34	23-52-25874_CP34	06-Jun-2023	EC825:T1500F15U35	15	31.82	38.074991	-103.275646	3932	
CPT-35	23-52-25874_CP35	11-Jun-2023	EC825:T1500F15U35	15	14.03	38.074788	-103.275713	3923	
CPT-36	23-52-25874_CP36	06-Jun-2023	EC825:T1500F15U35	15	32.81	38.075148	-103.272187	3929	
CPT-37	23-52-25874_CP37	06-Jun-2023	EC825:T1500F15U35	15	12.80	38.075243	-103.268696	3928	
CPT-37A	23-52-25874_CP37A	06-Jun-2023	EC825:T1500F15U35	15	29.04	38.075246	-103.268745	3928	
CPT-38	23-52-25874_CP38	06-Jun-2023	EC825:T1500F15U35	15	30.51	38.075332	-103.266130	3925	
CPT-39	23-52-25874_CP39	06-Jun-2023	EC825:T1500F15U35	15	32.81	38.075380	-103.264360	3926	
CPT-40	23-52-25874_CP40	06-Jun-2023	EC825:T1500F15U35	15	32.15	38.075440	-103.262629	3925	
CPT-41	23-52-25874_CP41	11-Jun-2023	EC825:T1500F15U35	15	24.93	38.075234	-103.262670	3916	
CPT-42	23-52-25874_CP42	05-Jun-2023	EC825:T1500F15U35	15	29.77	38.075557	-103.259130	3923	
CPT-43	23-52-25874_CP43	06-Jun-2023	EC825:T1500F15U35	15	17.80	38.075414	-103.257419	3913	
CPT-44	23-52-25874_CP44	05-Jun-2023	EC825:T1500F15U35	15	32.23	38.075630	-103.256567	3923	
CPT-45	23-52-25874_CP45	05-Jun-2023	EC825:T1500F15U35	15	32.23	38.075712	-103.254831	3920	
CPT-46	23-52-25874_CP46	05-Jun-2023	EC825:T1500F15U35	15	29.12	38.075770	-103.253061	3919	
CPT-47	23-52-25874_CP47	05-Jun-2023	EC825:T1500F15U35	15	32.15	38.075861	-103.249594	3917	

Job No: 23-52-25874
Client: AECOM
Project: Las Animas Levee
Start Date: 30-May-2023
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CONE PENETRATION TEST SUMMARY

Sounding ID	File Name	Date	Cone	Cone Area (cm^2)	Final Depth (ft)	Latitude[1]	Longitude[1]	Elevation[2] (ft)	Refer to Notation Number
CPT-48	23-52-25874_CP48	05-Jun-2023	EC825:T1500F15U35	15	28.05	38.075998	-103.246119	3915	
CPT-49	23-52-25874_CP49	05-Jun-2023	EC825:T1500F15U35	15	31.09	38.076066	-103.243570	3914	
CPT-50	23-52-25874_CP50	05-Jun-2023	EC825:T1500F15U35	15	11.48	38.075757	-103.243590	3906	
CPT-51	23-52-25874_CP51	05-Jun-2023	EC825:T1500F15U35	15	30.59	38.076160	-103.240935	3915	
CPT-52	23-52-25874_CP52	04-Jun-2023	EC825:T1500F15U35	15	28.46	38.076297	-103.237495	3912	
CPT-53	23-52-25874_CP53	04-Jun-2023	EC825:T1500F15U35	15	15.42	38.076448	-103.233984	3913	
CPT-54	23-52-25874_CP54	04-Jun-2023	EC825:T1500F15U35	15	27.31	38.077160	-103.232488	3902	
CPT-55	23-52-25874_CP55	03-Jun-2023	EC825:T1500F15U35	15	28.54	38.076802	-103.232388	3914	
CPT-56	23-52-25874_CP56	04-Jun-2023	EC825:T1500F15U35	15	23.05	38.076875	-103.231463	3901	
CPT-57	23-52-25874_CP57	03-Jun-2023	EC825:T1500F15U35	15	30.51	38.077270	-103.230753	3911	
CPT-58	23-52-25874_CP58	03-Jun-2023	EC825:T1500F15U35	15	28.87	38.077742	-103.229107	3910	
CPT-59	23-52-25874_CP59	04-Jun-2023	EC825:T1500F15U35	15	33.87	38.078406	-103.226640	3908	
CPT-60	23-52-25874_CP60	04-Jun-2023	EC825:T1500F15U35	15	32.23	38.079091	-103.224201	3906	
CPT-63	23-52-25874_CP63	04-Jun-2023	EC825:T1500F15U35	15	29.20	38.079630	-103.222236	3902	
CPT-64	23-52-25874_CP64	04-Jun-2023	EC825:T1500F15U35	15	30.68	38.080009	-103.220923	3904	
CPT-65	23-52-25874_CP65	03-Jun-2023	EC825:T1500F15U35	15	33.30	38.080393	-103.218994	3899	
CPT-66	23-52-25874_CP66	03-Jun-2023	EC825:T1500F15U35	15	30.02	38.080552	-103.216624	3900	
CPT-67	23-52-25874_CP67	02-Jun-2023	EC825:T1500F15U35	15	17.47	38.080595	-103.213997	3895	
CPT-68	23-52-25874_CP68	02-Jun-2023	EC825:T1500F15U35	15	31.74	38.080620	-103.211395	3900	
CPT-69	23-52-25874_CP69	02-Jun-2023	EC825:T1500F15U35	15	29.45	38.080600	-103.207925	3899	
CPT-70	23-52-25874_CP70	03-Jun-2023	EC825:T1500F15U35	15	12.55	38.080097	-103.205561	3891	
CPT-71	23-52-25874_CP71	02-Jun-2023	EC825:T1500F15U35	15	24.20	38.080240	-103.205454	3899	
CPT-72	23-52-25874_CP72	02-Jun-2023	EC825:T1500F15U35	15	18.78	38.078493	-103.202656	3896	

Job No: 23-52-25874
Client: AECOM
Project: Las Animas Levee
Start Date: 30-May-2023
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CONE PENETRATION TEST SUMMARY

Sounding ID	File Name	Date	Cone	Cone Area (cm^2)	Final Depth (ft)	Latitude[1]	Longitude[1]	Elevation[2] (ft)	Refer to Notation Number
CPT-73	23-52-25874_CP73	01-Jun-2023	EC825:T1500F15U35	15	20.67	38.076752	-103.200000	3893	
CPT-74	23-52-25874_CP74	01-Jun-2023	EC825:T1500F15U35	15	22.15	38.075561	-103.197881	3891	
CPT-75	23-52-25874_CP75	01-Jun-2023	EC825:T1500F15U35	15	26.41	38.074496	-103.195692	3891	
CPT-76	23-52-25874_CP76	01-Jun-2023	EC825:T1500F15U35	15	21.41	38.073444	-103.193433	3889	
CPT-77	23-52-25874_CP77	01-Jun-2023	EC825:T1500F15U35	15	24.93	38.072366	-103.191208	3887	
CPT-78	23-52-25874_CP78	01-Jun-2023	EC825:T1500F15U35	15	27.80	38.069530	-103.187544	3883	
CPT-79	23-52-25874_CP79	01-Jun-2023	EC825:T1500F15U35	15	24.44	38.069522	-103.187510	3883	
CPT-80	23-52-25874_CP80	31-May-2023	EC825:T1500F15U35	15	24.11	38.067532	-103.186949	3881	
CPT-81	23-52-25874_CP81	31-May-2023	EC825:T1500F15U35	15	23.79	38.065469	-103.186786	3880	
CPT-82	23-52-25874_CP82	31-May-2023	EC825:T1500F15U35	15	26.08	38.062986	-103.187317	3880	

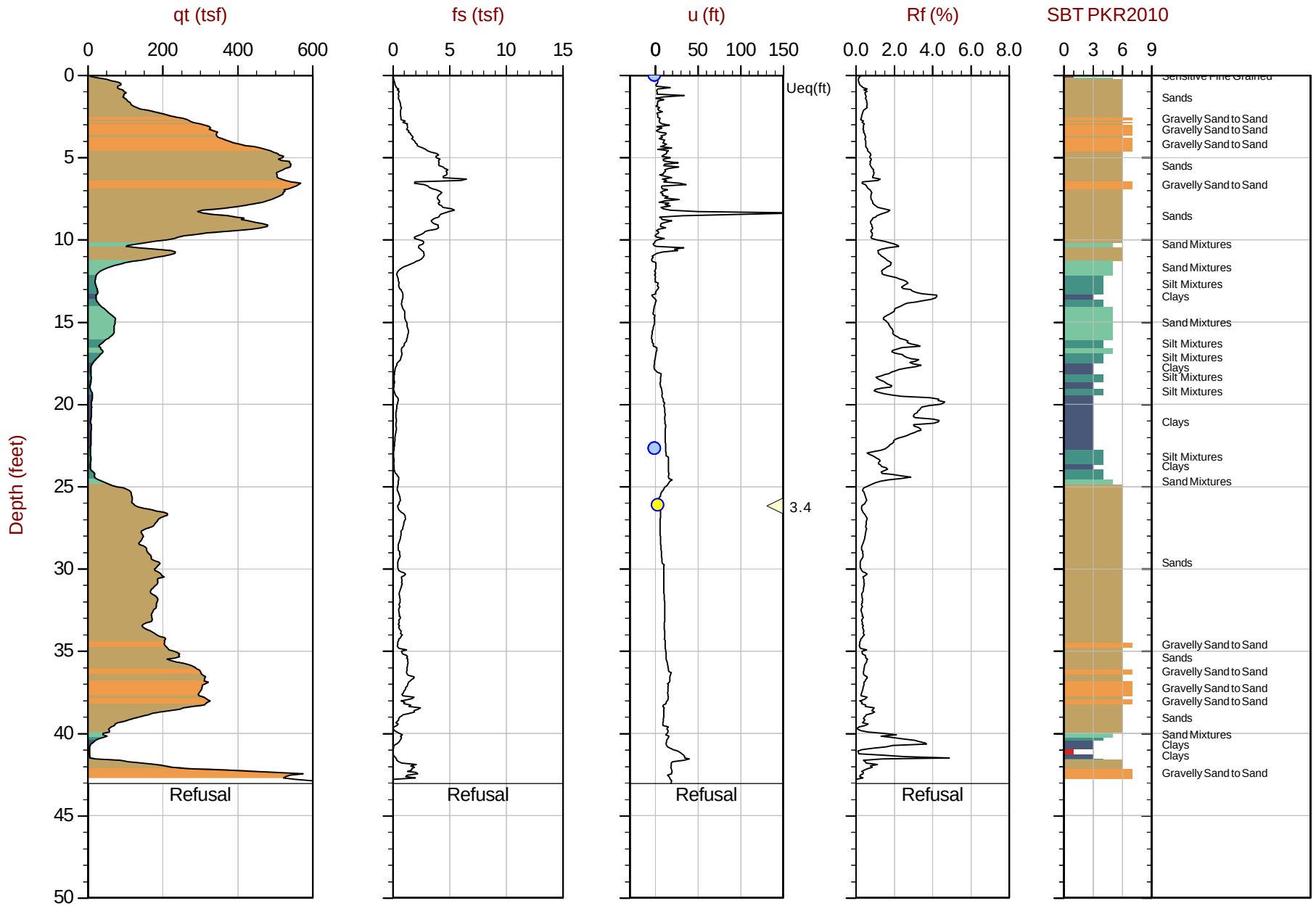
1. The coordinates were collected using consumer grade GPS and have an accuracy of ±30 feet. EPSG number: 4326 (WGS84 / LatLong).
2. Elevations are referenced to the ground surface and were acquired from the Google Earth Elevation for the recorded coordinates.

CONETEC

AECOM

Job No: 23-52-25874
Date: 2023-06-11 08:37
Site: Las Animas Levee

Sounding: CPT-02
Cone: 825:T1500F15U35



Max Depth: 13.125 m / 43.06 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 23-52-25874_CP02.COR

SBT: Robertson, 2010 (CPT '10)
Coords: Lat: 38.058099 Long: -103.335166
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved

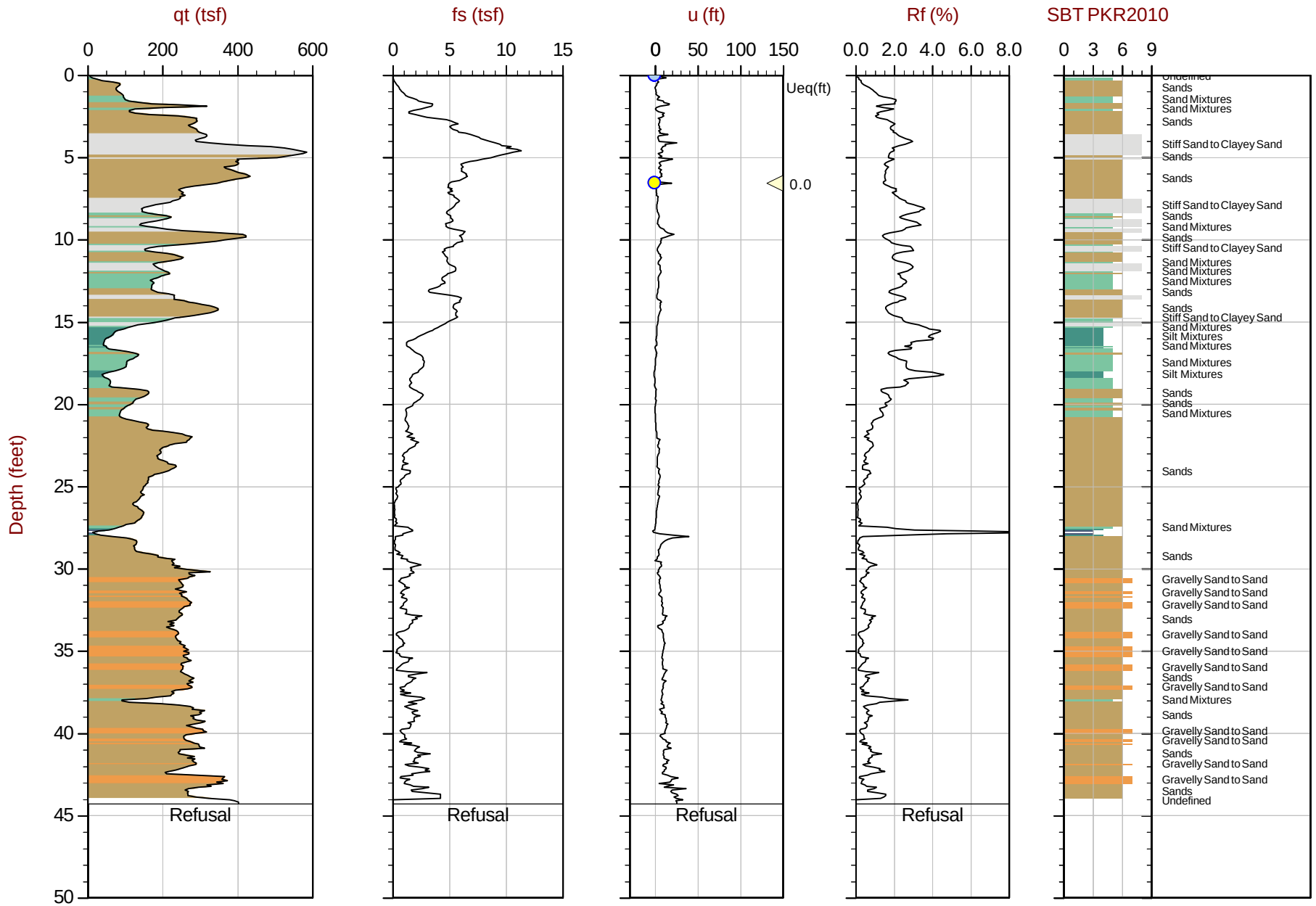
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

AECOM

Job No: 23-52-25874
Date: 2023-06-11 07:25
Site: Las Animas Levee

Sounding: CPT-03
Cone: 825:T1500F15U35



Max Depth: 13.500 m / 44.29 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 23-52-25874_CP03.COR

SBT: Robertson, 2010 (CPT '10)
Coords: Lat: 38.059529 Long: -103.333786
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved

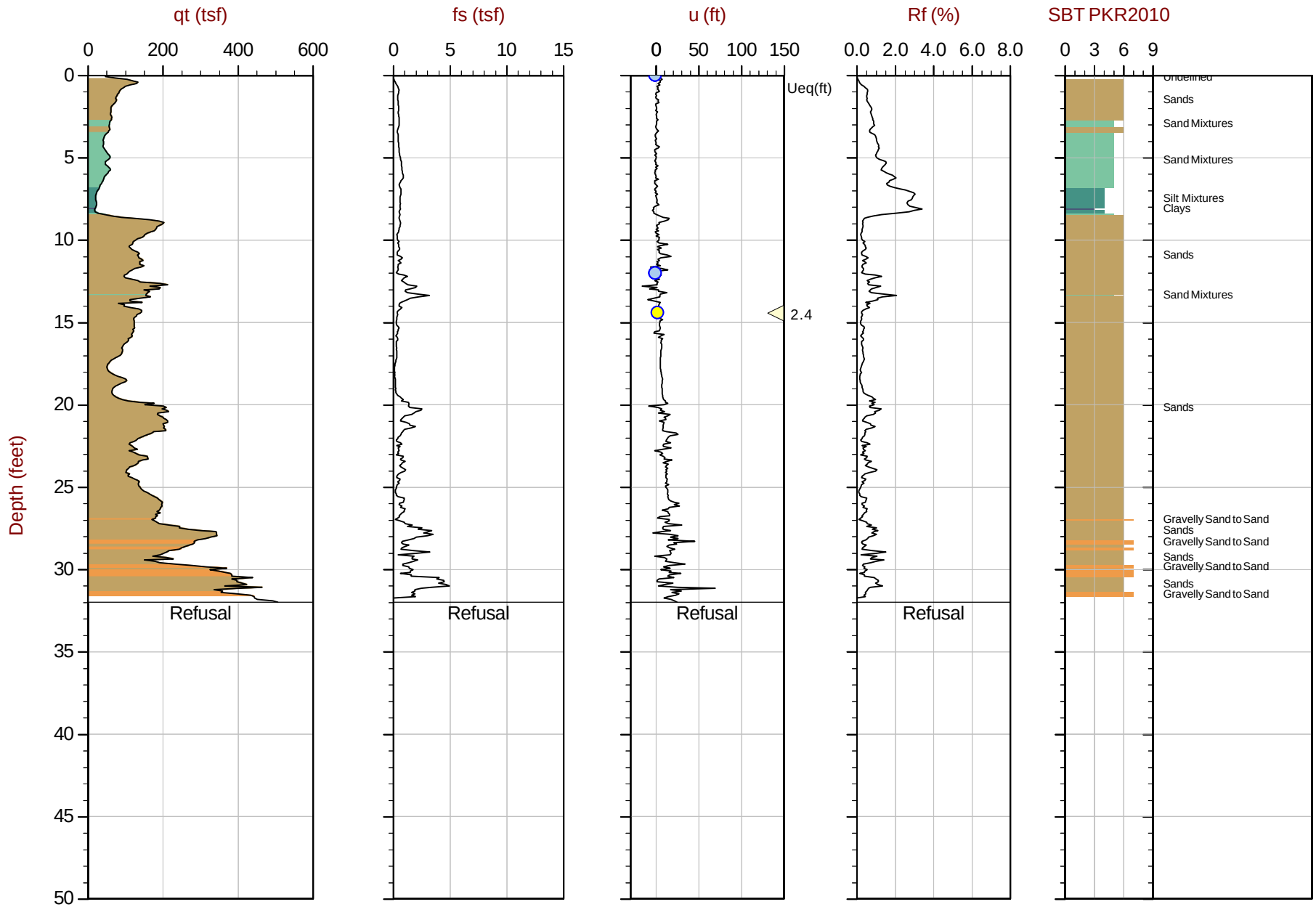
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

AECOM

Job No: 23-52-25874
Date: 2023-06-11 10:02
Site: Las Animas Levee

Sounding: CPT-04
Cone: 825:T1500F15U35



Max Depth: 9.750 m / 31.99 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 23-52-25874_CP04.COR

SBT: Robertson, 2010 (CPT '10)
Coords: Lat: 38.060098 Long: -103.332439
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved

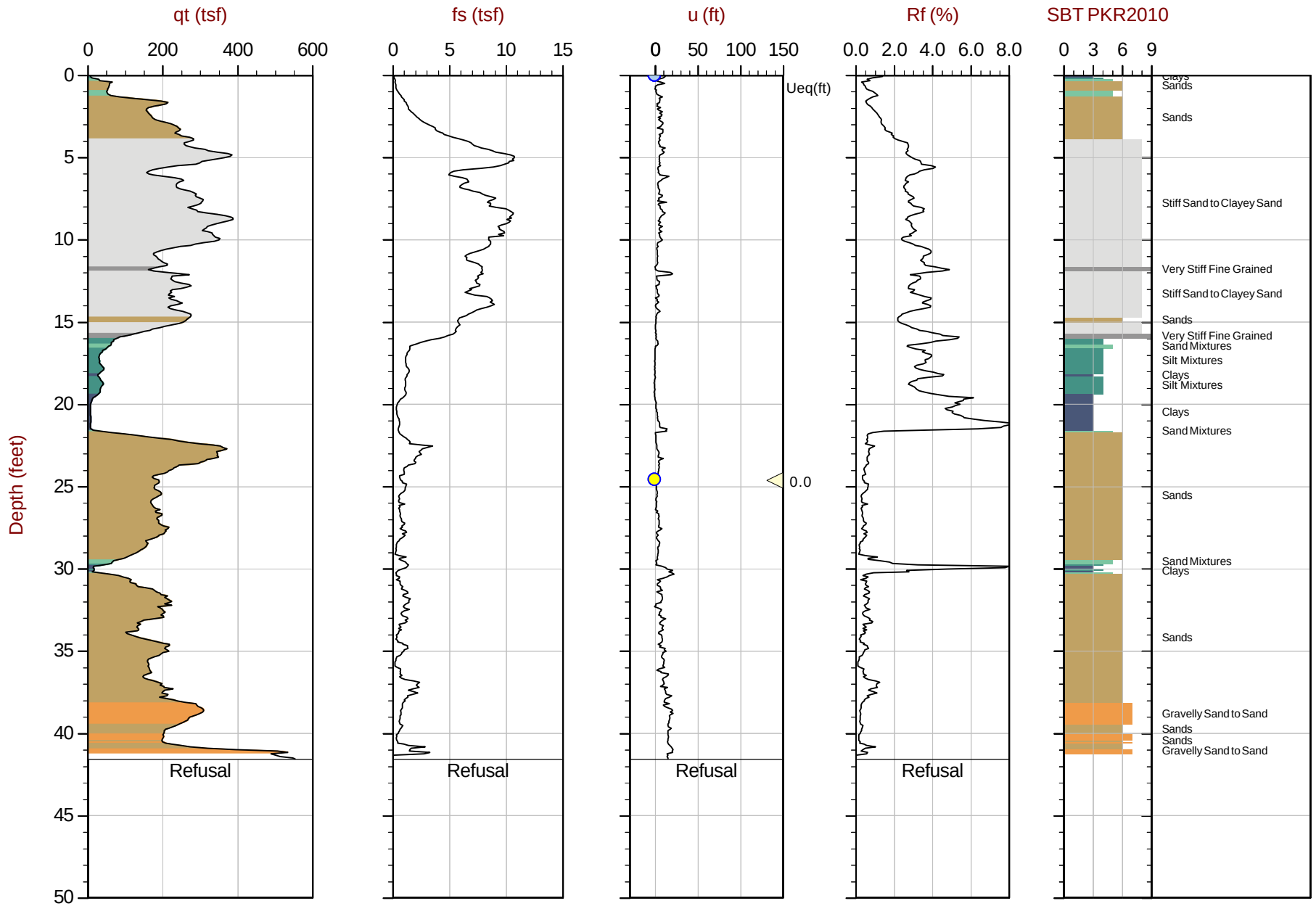
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

AECOM

Job No: 23-52-25874
Date: 2023-06-11 06:17
Site: Las Animas Levee

Sounding: CPT-05
Cone: 825:T1500F15U35



Max Depth: 12.675 m / 41.58 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 23-52-25874_CP05.COR

SBT: Robertson, 2010 (CPT '10)
Coords: Lat: 38.060698 Long: -103.331829
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved

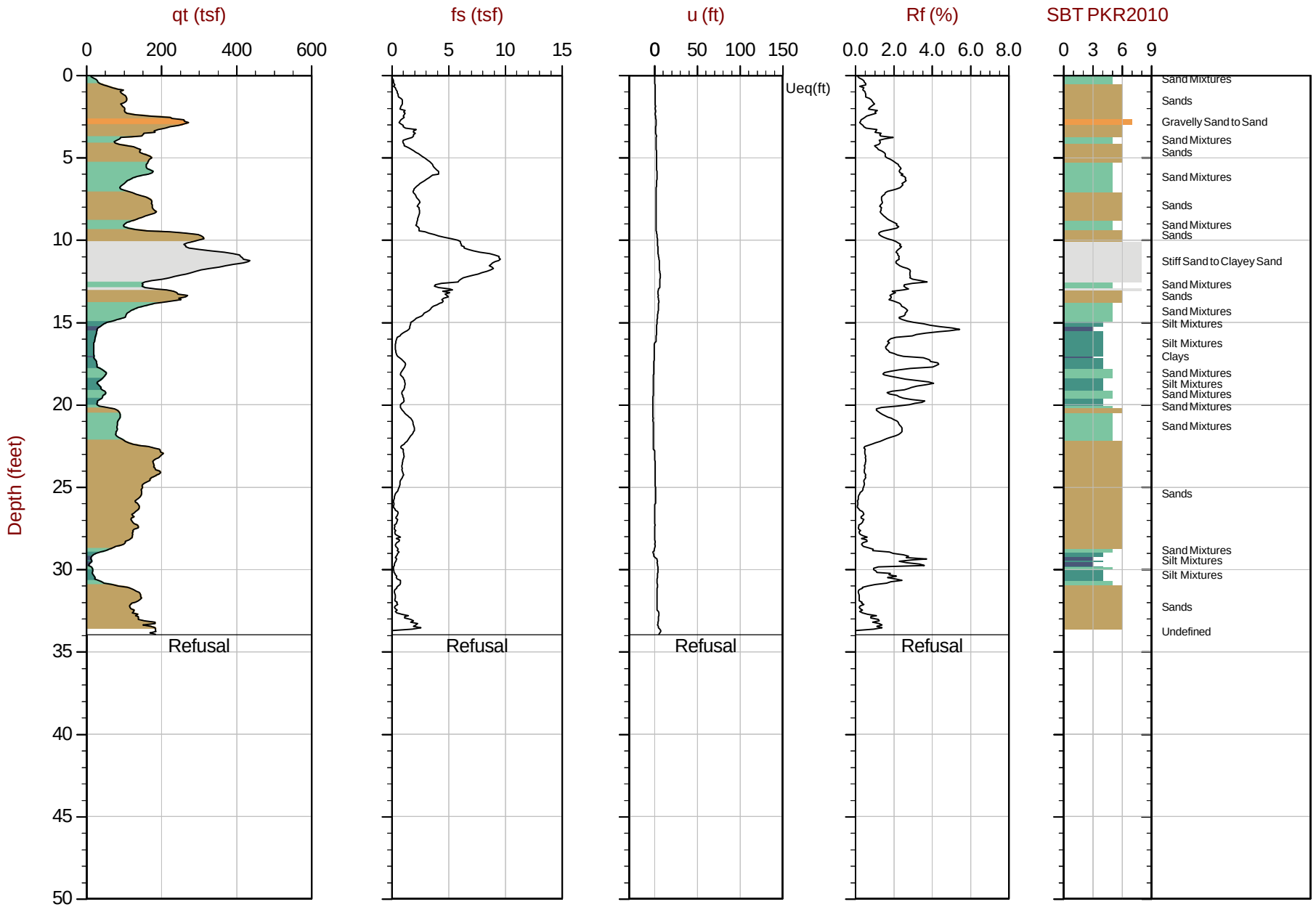
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

AECOM

Job No: 23-52-25874
Date: 2023-06-10 13:02
Site: Las Animas Levee

Sounding: CPT-06
Cone: 825:T1500F15U35



Max Depth: 10.350 m / 33.96 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 23-52-25874_CP06.COR

SBT: Robertson, 2010 (CPT '10)
Coords: Lat: 38.061515 Long: -103.330452
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved

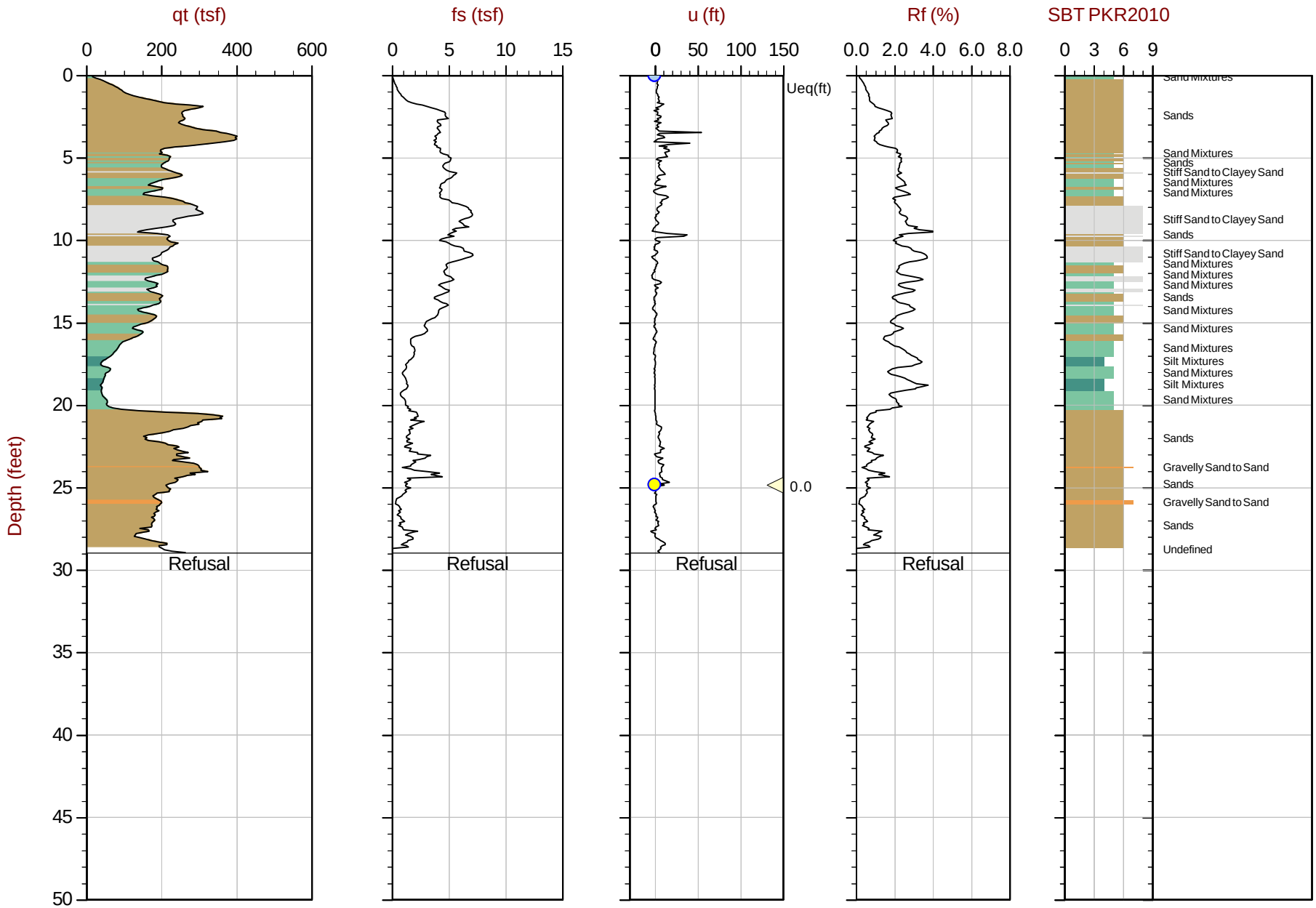
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

AECOM

Job No: 23-52-25874
Date: 2023-06-10 11:58
Site: Las Animas Levee

Sounding: CPT-07
Cone: 825:T1500F15U35



Max Depth: 8.825 m / 28.95 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 23-52-25874_CP07.COR

SBT: Robertson, 2010 (CPT '10)
Coords: Lat: 38.063136 Long: -103.327684
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved

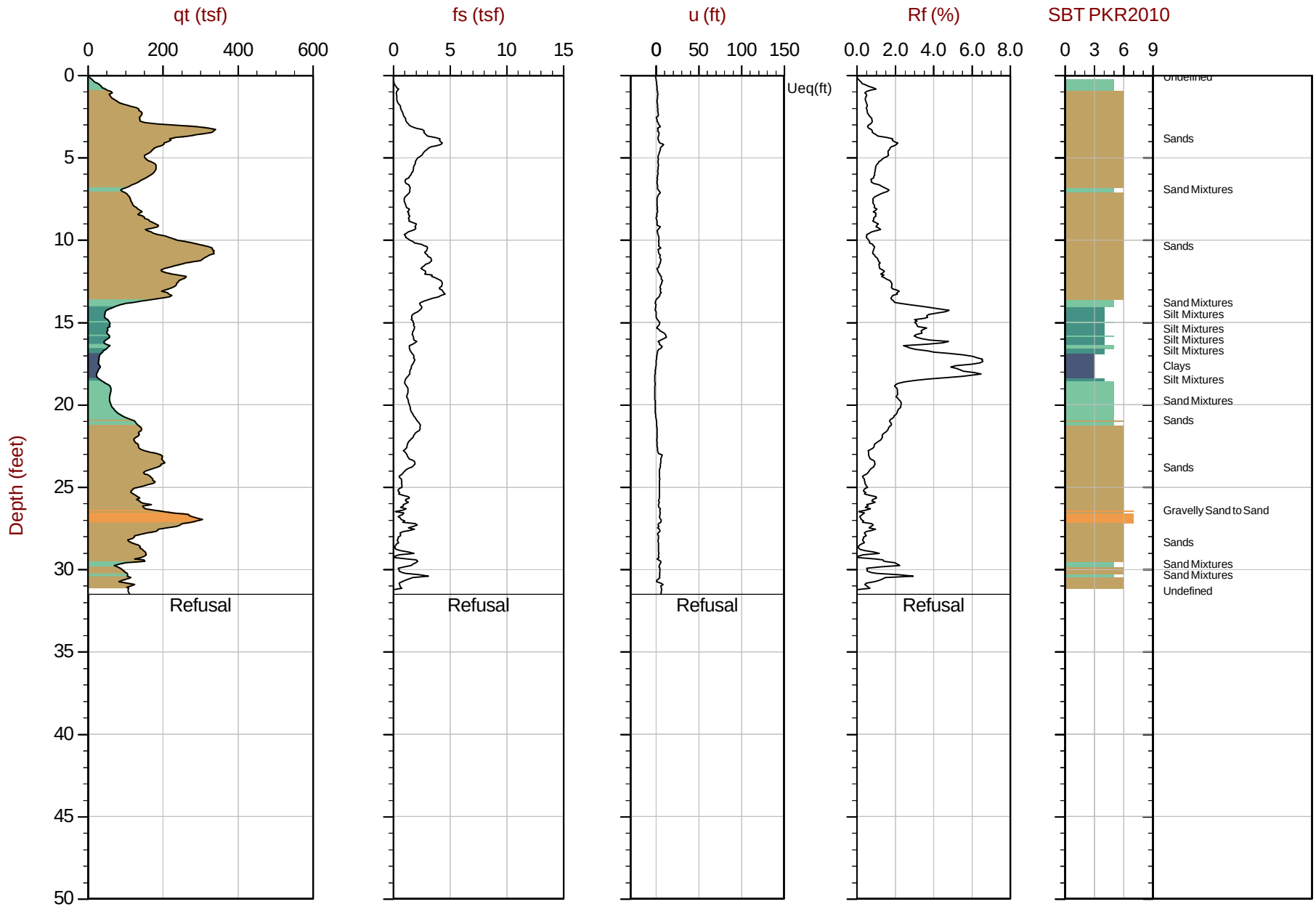
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

AECOM

Job No: 23-52-25874
Date: 2023-06-10 11:07
Site: Las Animas Levee

Sounding: CPT-08
Cone: 825:T1500F15U35



Max Depth: 9.600 m / 31.50 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 23-52-25874_CP08.COR

SBT: Robertson, 2010 (CPT '10)
Coords: Lat: 38.063978 Long: -103.326277
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved

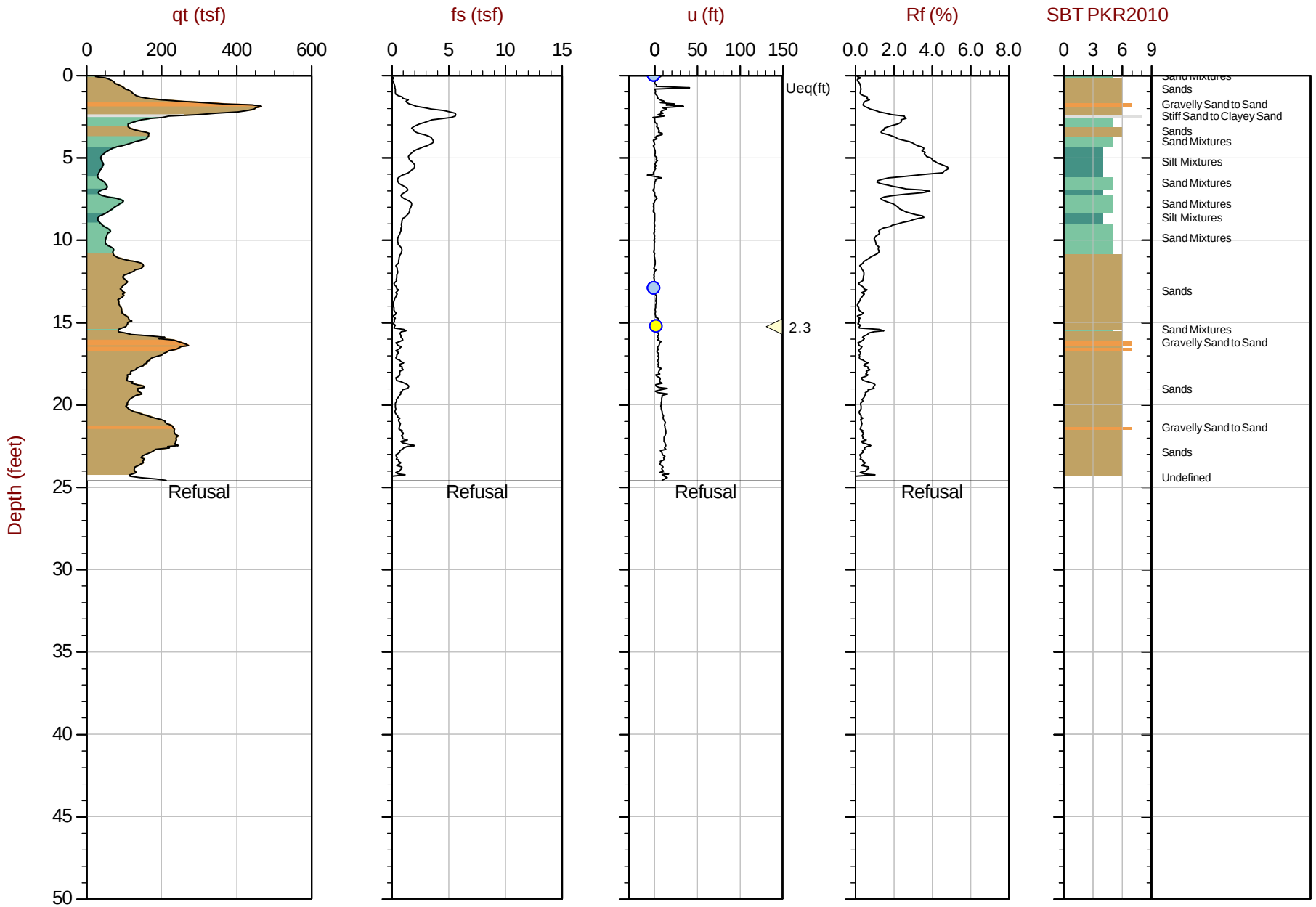
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

AECOM

Job No: 23-52-25874
Date: 2023-06-10 09:57
Site: Las Animas Levee

Sounding: CPT-09
Cone: 825:T1500F15U35



Max Depth: 7.500 m / 24.61 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 23-52-25874_CP09.COR

SBT: Robertson, 2010 (CPT '10)
Coords: Lat: 38.063844 Long: -103.326168
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved

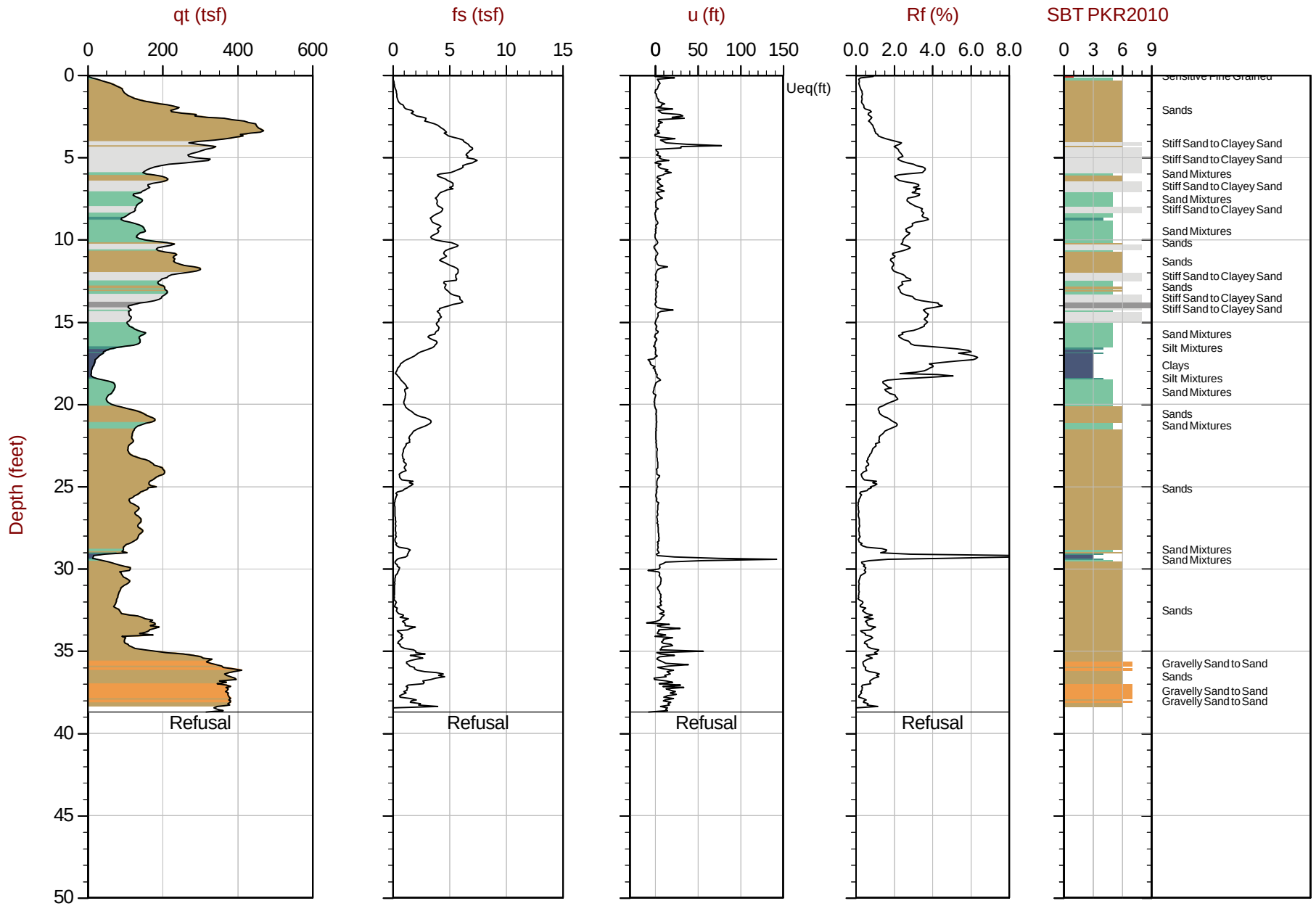
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

AECOM

Job No: 23-52-25874
Date: 2023-06-10 09:03
Site: Las Animas Levee

Sounding: CPT-10
Cone: 825:T1500F15U35



Max Depth: 11.800 m / 38.71 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 23-52-25874_CP10.COR

SBT: Robertson, 2010 (CPT '10)
Coords: Lat: 38.065033 Long: -103.324456
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved

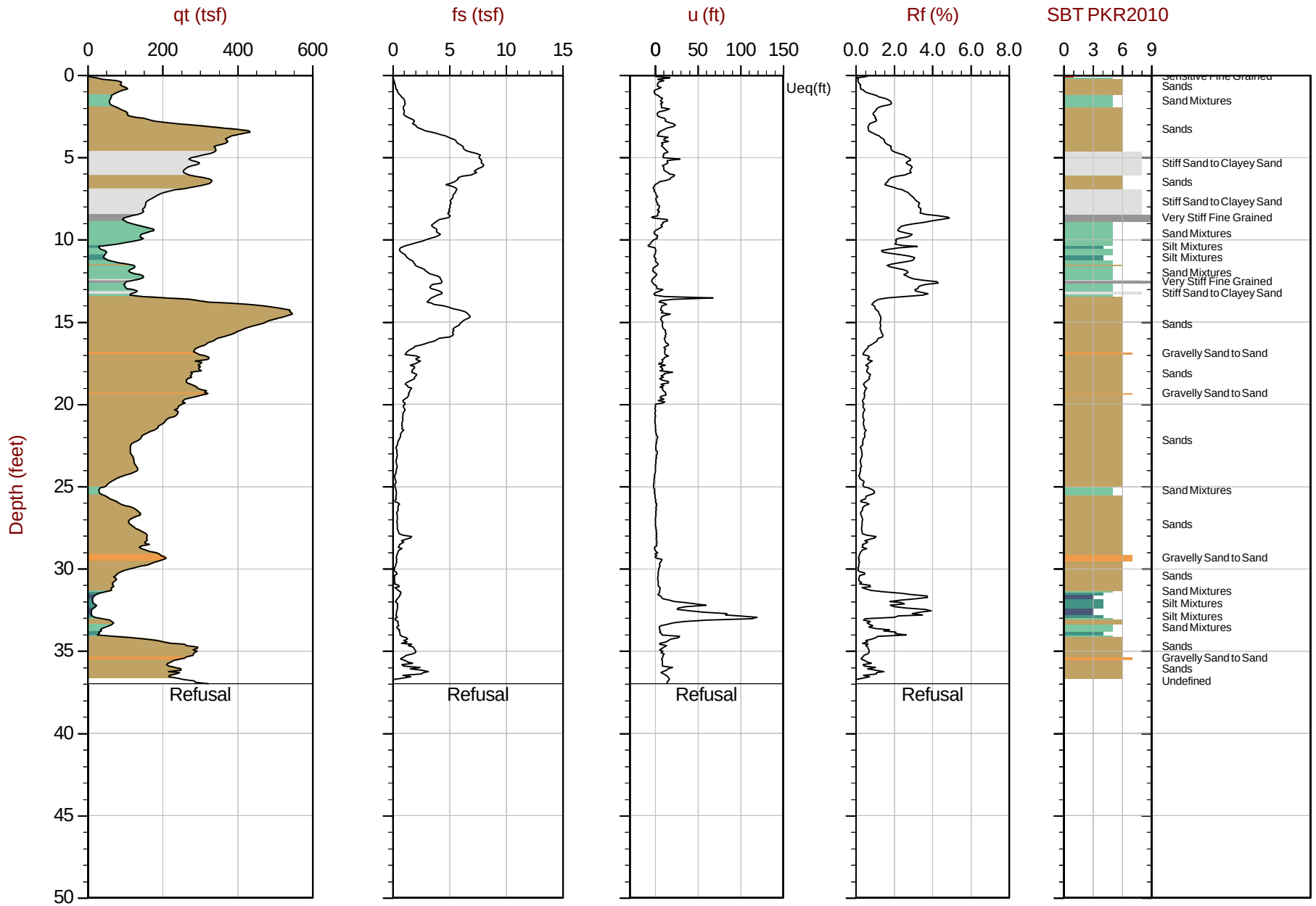
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

AECOM

Job No: 23-52-25874
Date: 2023-06-10 07:21
Site: Las Animas Levee

Sounding: CPT-11
Cone: 825:T1500F15U35



Max Depth: 11.275 m / 36.99 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 23-52-25874_CP11.COR

SBT: Robertson, 2010 (CPT '10)
Coords: Lat: 38.066032 Long: -103.322806
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved

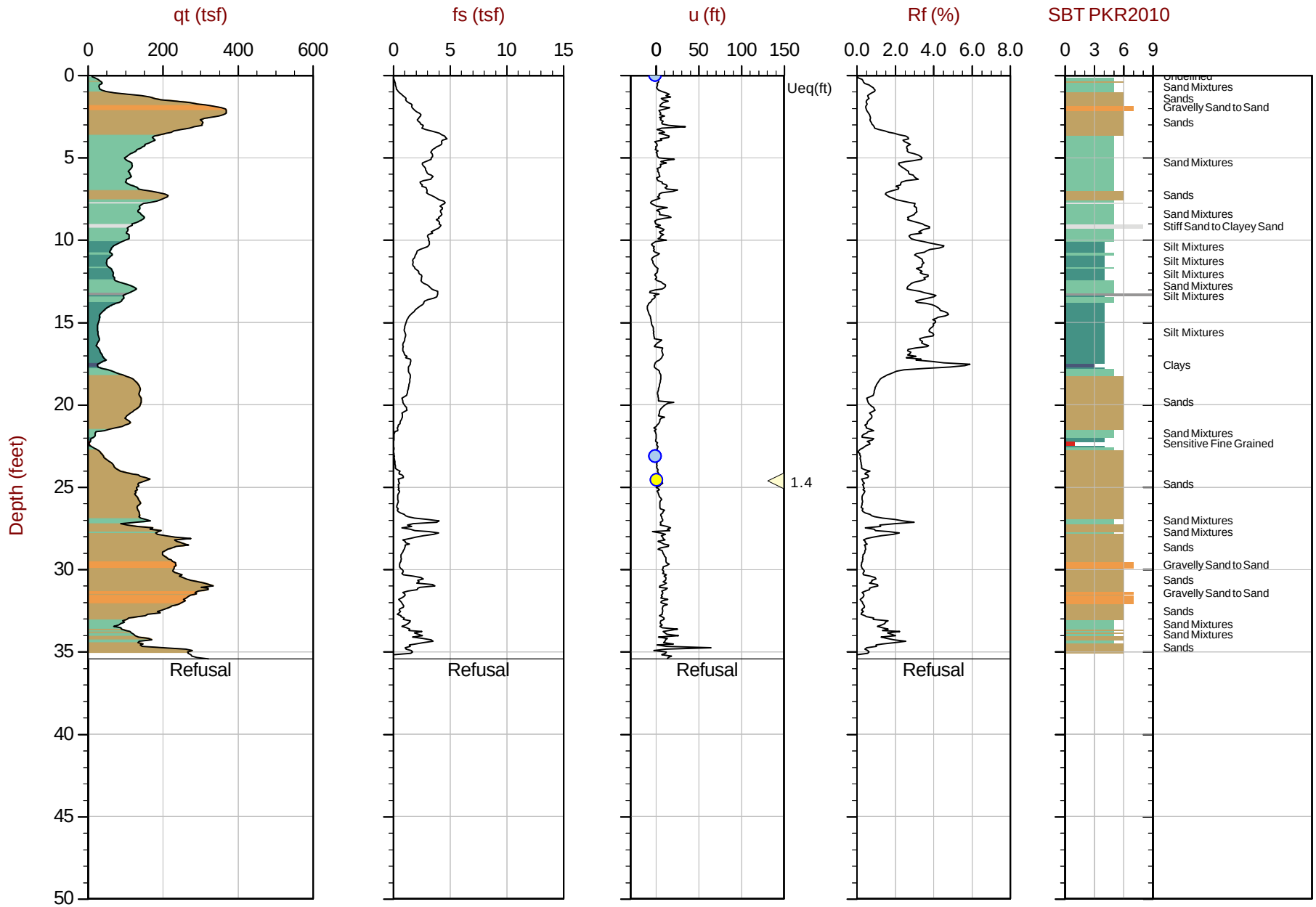
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

AECOM

Job No: 23-52-25874
Date: 2023-06-10 06:21
Site: Las Animas Levee

Sounding: CPT-12
Cone: 825:T1500F15U35



Max Depth: 10.800 m / 35.43 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 23-52-25874_CP12.COR

SBT: Robertson, 2010 (CPT '10)
Coords: Lat: 38.067467 Long: -103.320241
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved

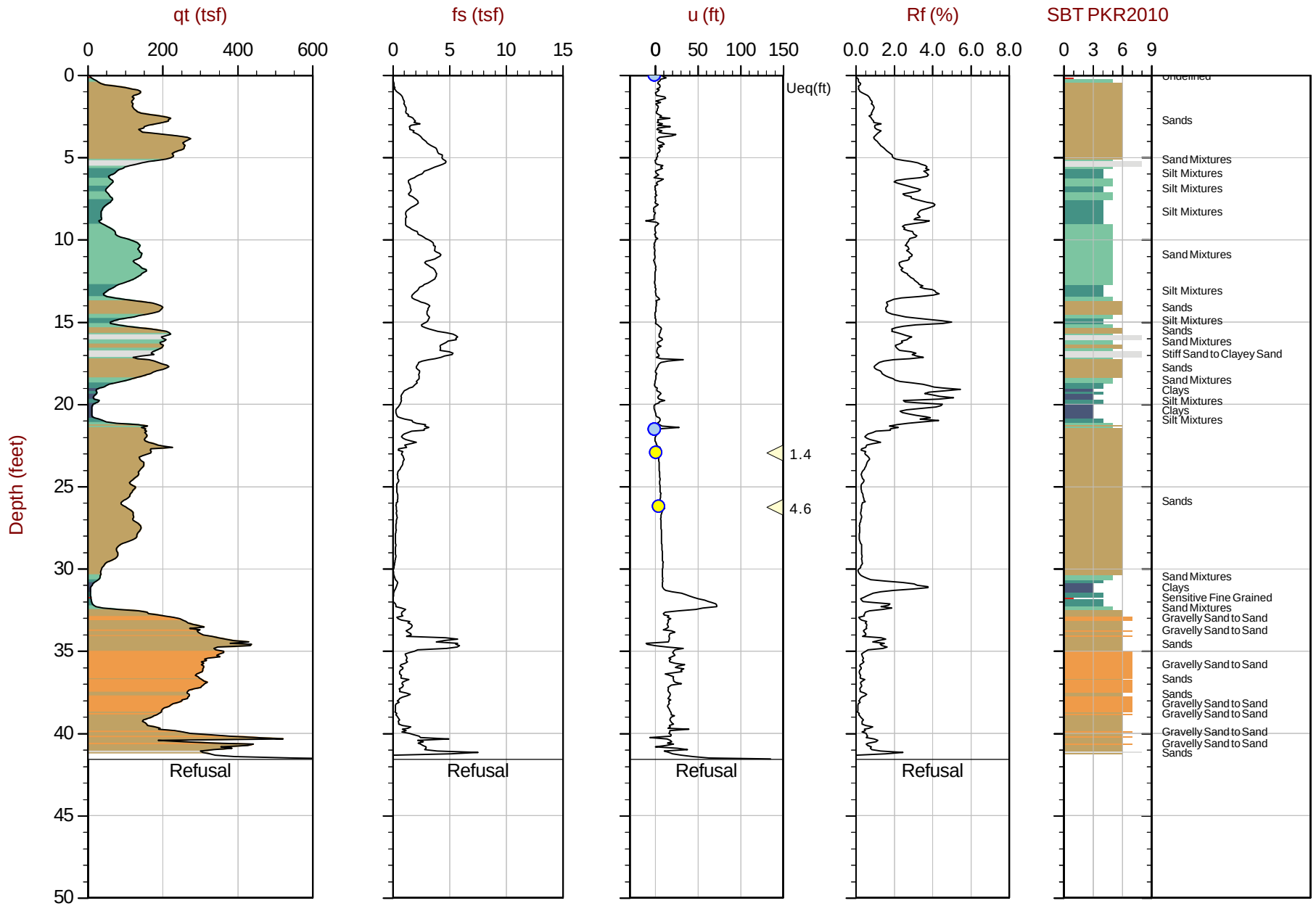
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

AECOM

Job No: 23-52-25874
Date: 2023-06-09 14:09
Site: Las Animas Levee

Sounding: CPT-13
Cone: 825:T1500F15U35



Max Depth: 12.675 m / 41.58 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 23-52-25874_CP13.COR

SBT: Robertson, 2010 (CPT '10)
Coords: Lat: 38.068212 Long: -103.316905
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved

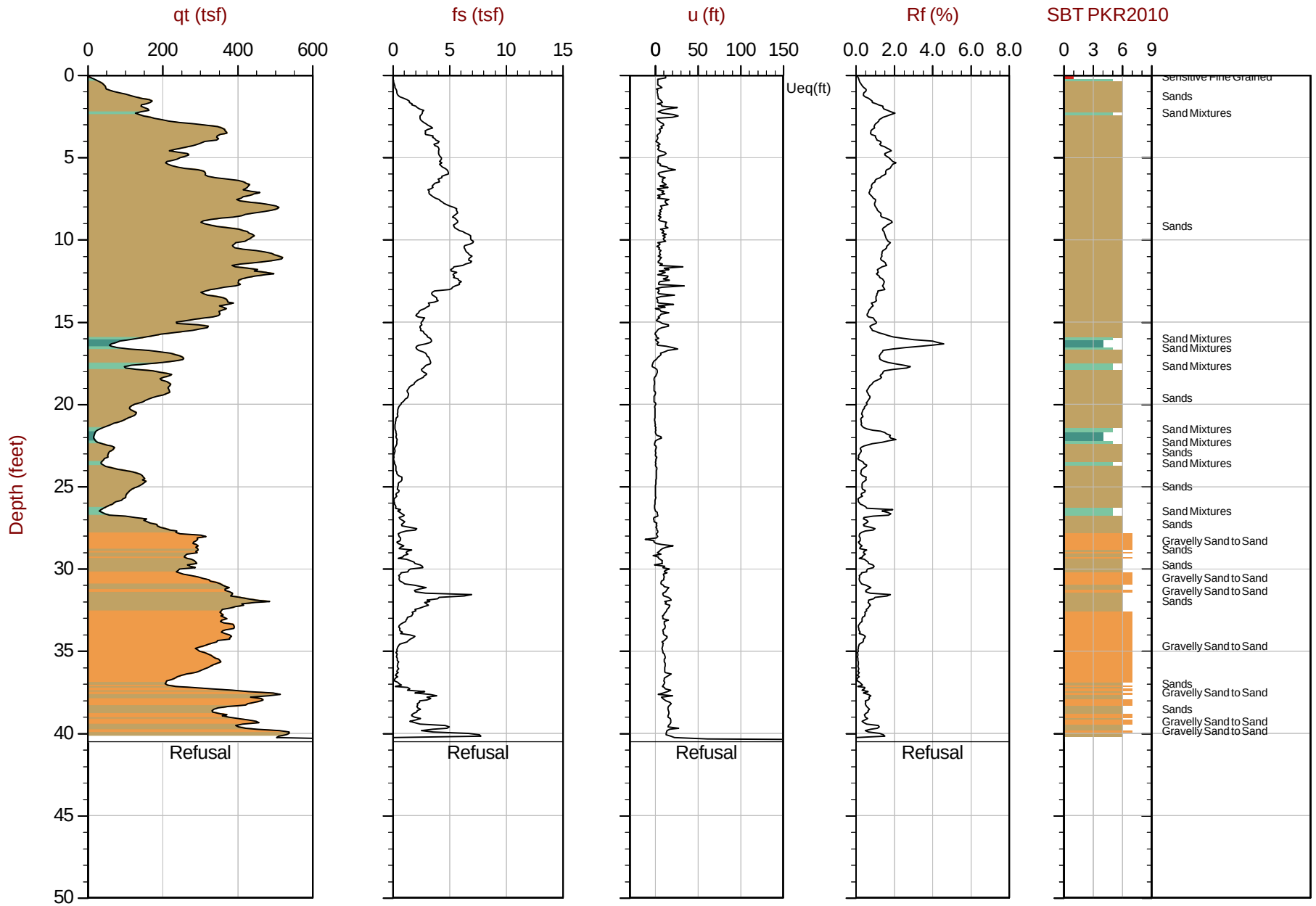
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

AECOM

Job No: 23-52-25874
Date: 2023-06-09 13:00
Site: Las Animas Levee

Sounding: CPT-14
Cone: 825:T1500F15U35



Max Depth: 12.350 m / 40.52 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 23-52-25874_CP14.COR

SBT: Robertson, 2010 (CPT '10)
Coords: Lat: 38.068777 Long: -103.314016
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved

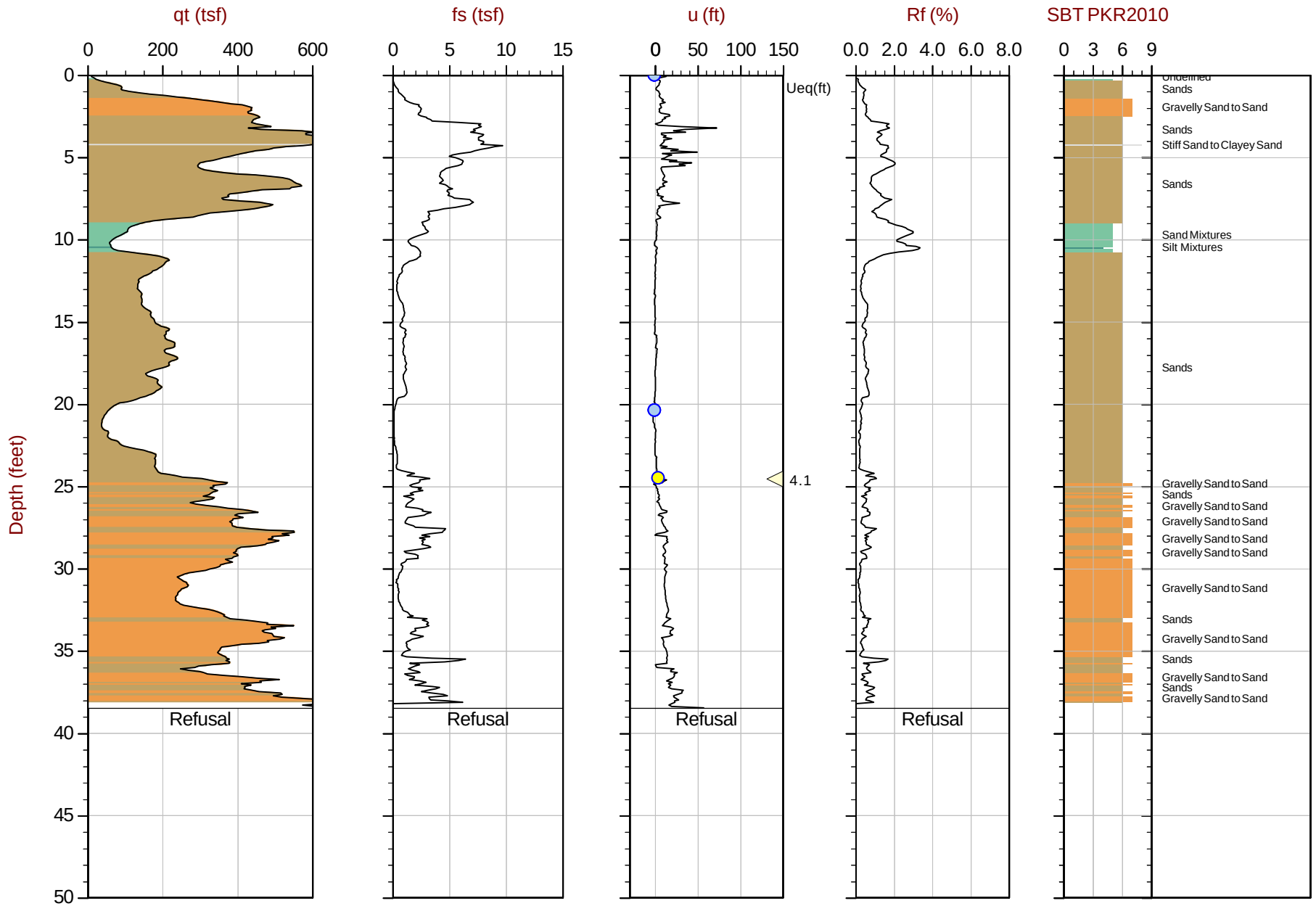
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

AECOM

Job No: 23-52-25874
Date: 2023-06-09 11:02
Site: Las Animas Levee

Sounding: CPT-15
Cone: 825:T1500F15U35



Max Depth: 11.725 m / 38.47 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 23-52-25874_CP15.COR

SBT: Robertson, 2010 (CPT '10)
Coords: Lat: 38.069655 Long: -103.309339
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved

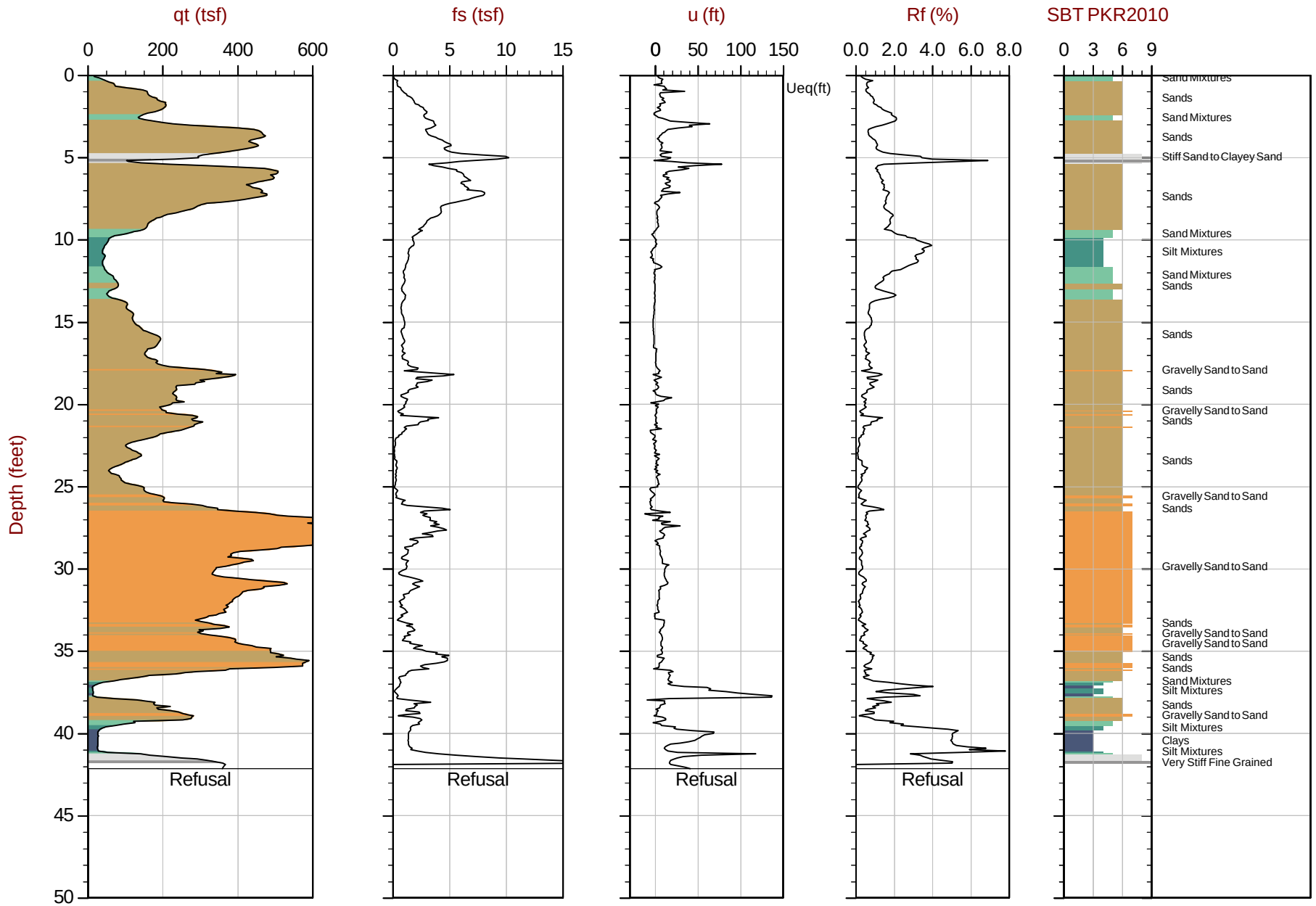
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

AECOM

Job No: 23-52-25874
Date: 2023-06-09 10:02
Site: Las Animas Levee

Sounding: CPT-16
Cone: 825:T1500F15U35



Max Depth: 12.850 m / 42.16 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 23-52-25874_CP16.COR

SBT: Robertson, 2010 (CPT '10)
Coords: Lat: 38.070050 Long: -103.305539
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved

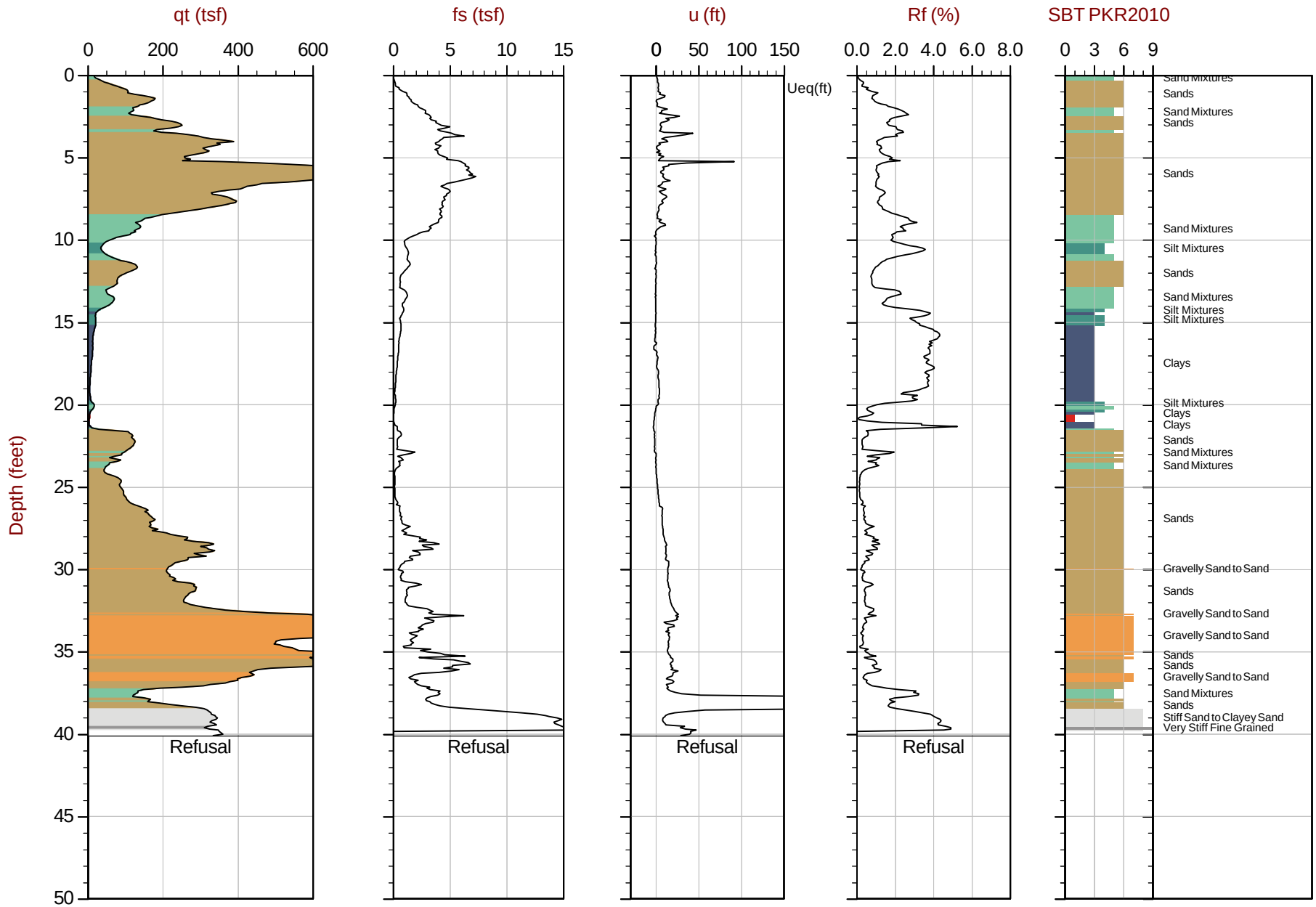
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

AECOM

Job No: 23-52-25874
Date: 2023-06-09 09:04
Site: Las Animas Levee

Sounding: CPT-17
Cone: 825:T1500F15U35



Max Depth: 12.225 m / 40.11 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 23-52-25874_CP17.COR

SBT: Robertson, 2010 (CPT '10)
Coords: Lat: 38.070060 Long: -103.305551
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved

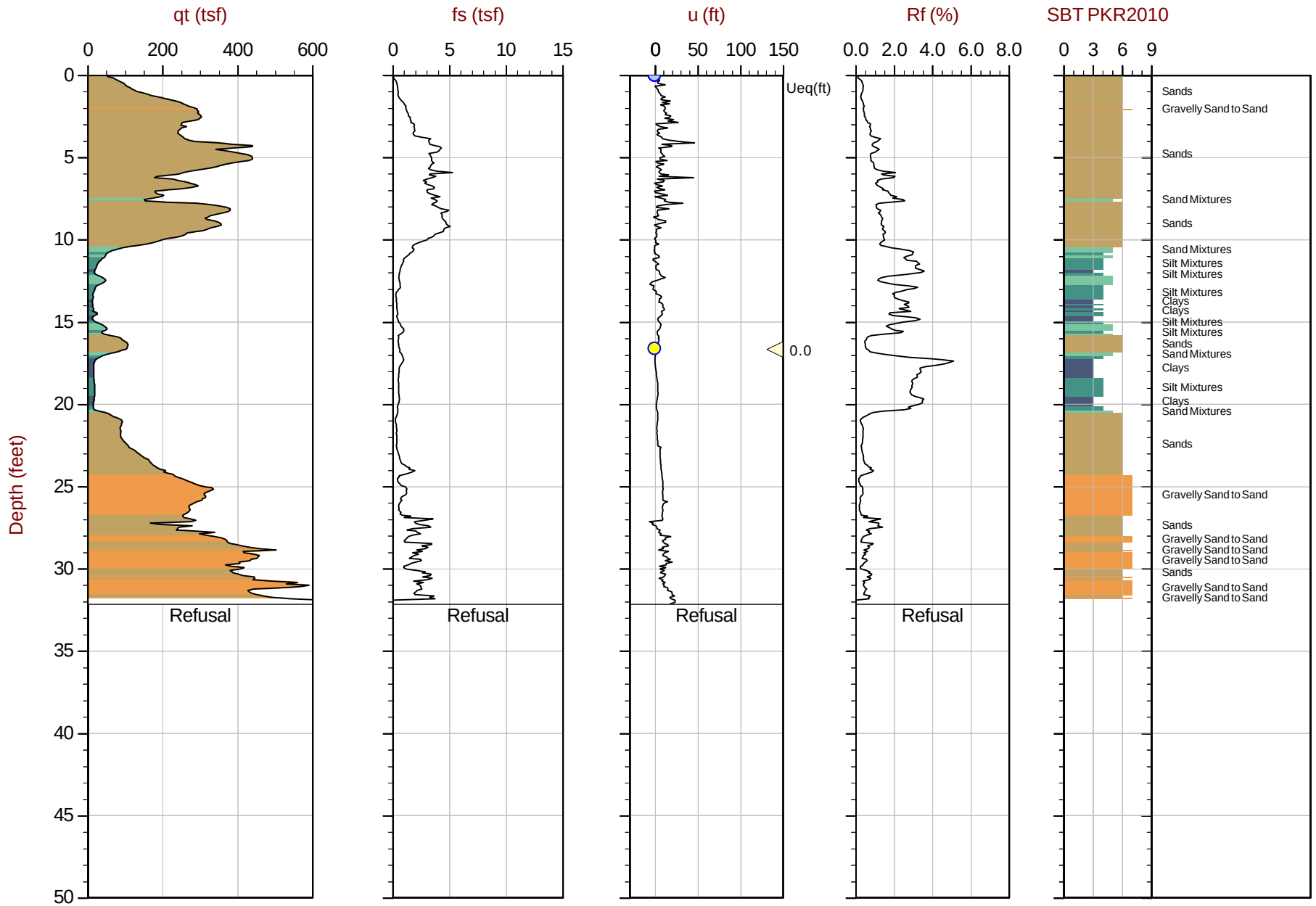
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

AECOM

Job No: 23-52-25874
Date: 2023-06-09 07:49
Site: Las Animas Levee

Sounding: CPT-18
Cone: 825:T1500F15U35



Max Depth: 9.800 m / 32.15 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 23-52-25874_CP18.COR

SBT: Robertson, 2010 (CPT '10)
Coords: Lat: 38.070069 Long: -103.303784
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved

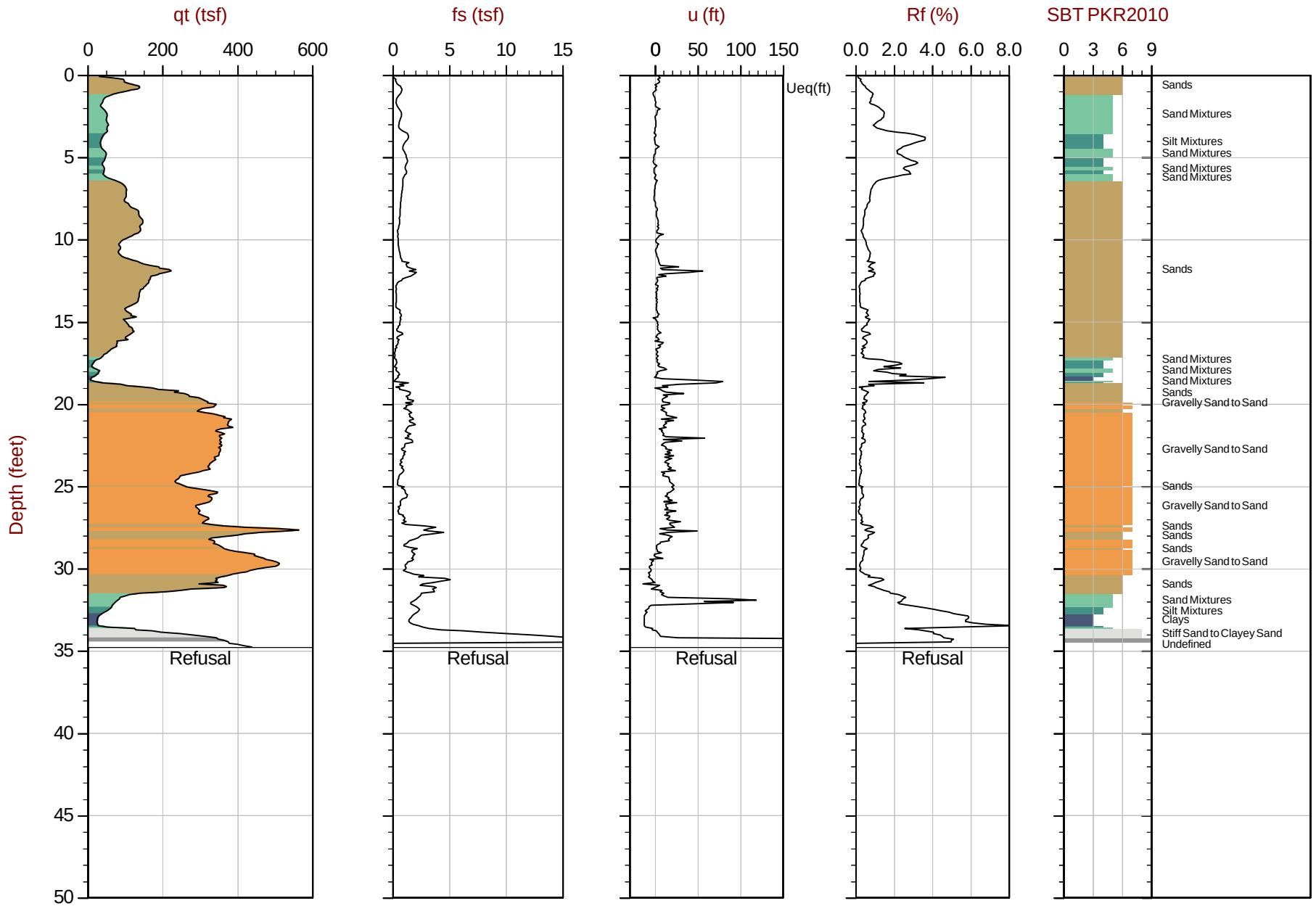
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

AECOM

Job No: 23-52-25874
Date: 2023-06-09 12:07
Site: Las Animas Levee

Sounding: CPT-19
Cone: 825:T1500F15U35



Max Depth: 10.600 m / 34.78 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 23-52-25874_CP19.COR

SBT: Robertson, 2010 (CPT '10)
Coords: Lat: 38.069814 Long: -103.307831
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved

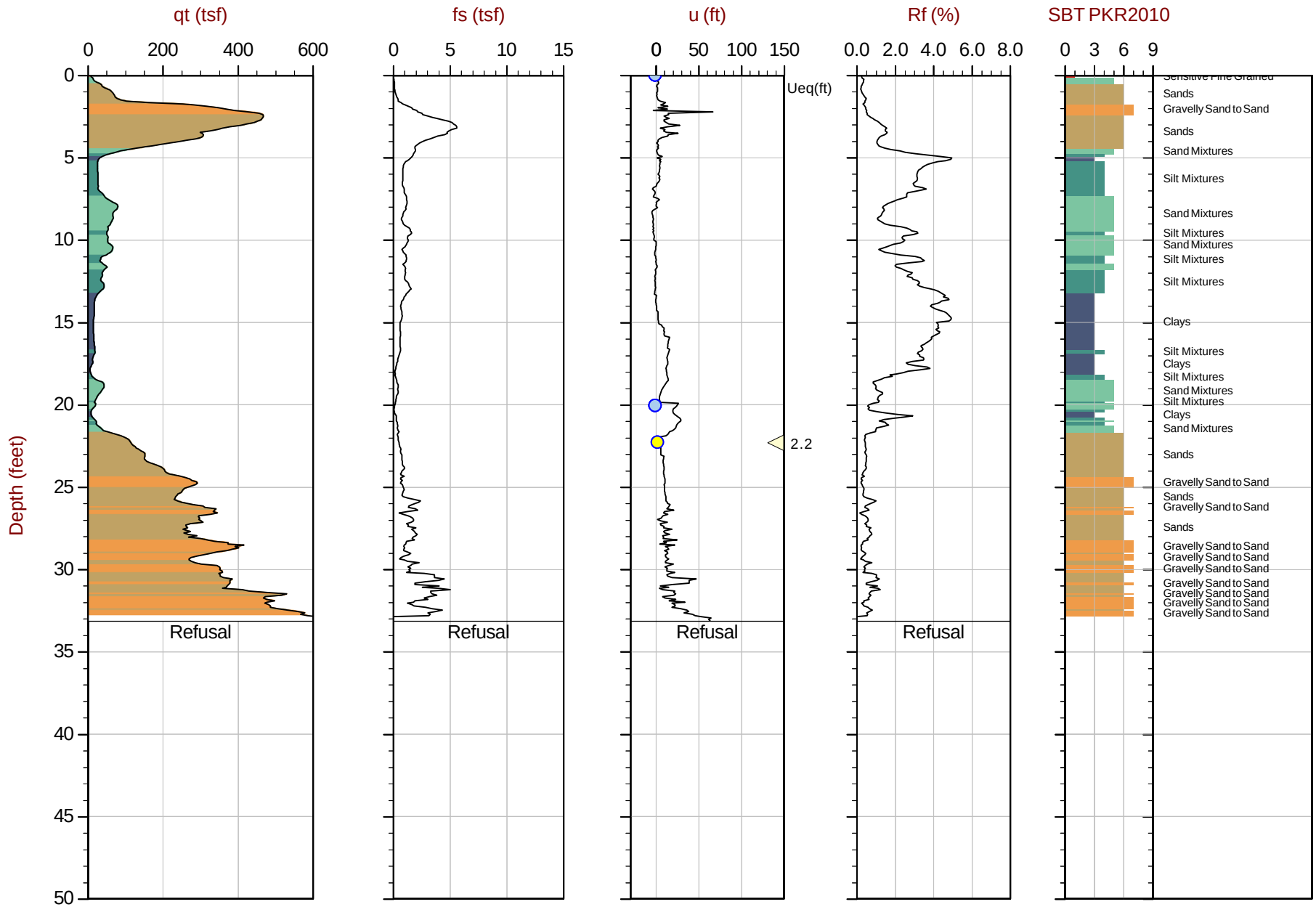
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

AECOM

Job No: 23-52-25874
Date: 2023-06-09 06:37
Site: Las Animas Levee

Sounding: CPT-20
Cone: 825:T1500F15U35



Max Depth: 10.100 m / 33.14 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 23-52-25874_CP20.COR

SBT: Robertson, 2010 (CPT '10)
Coords: Lat: 38.070144 Long: -103.302090
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved

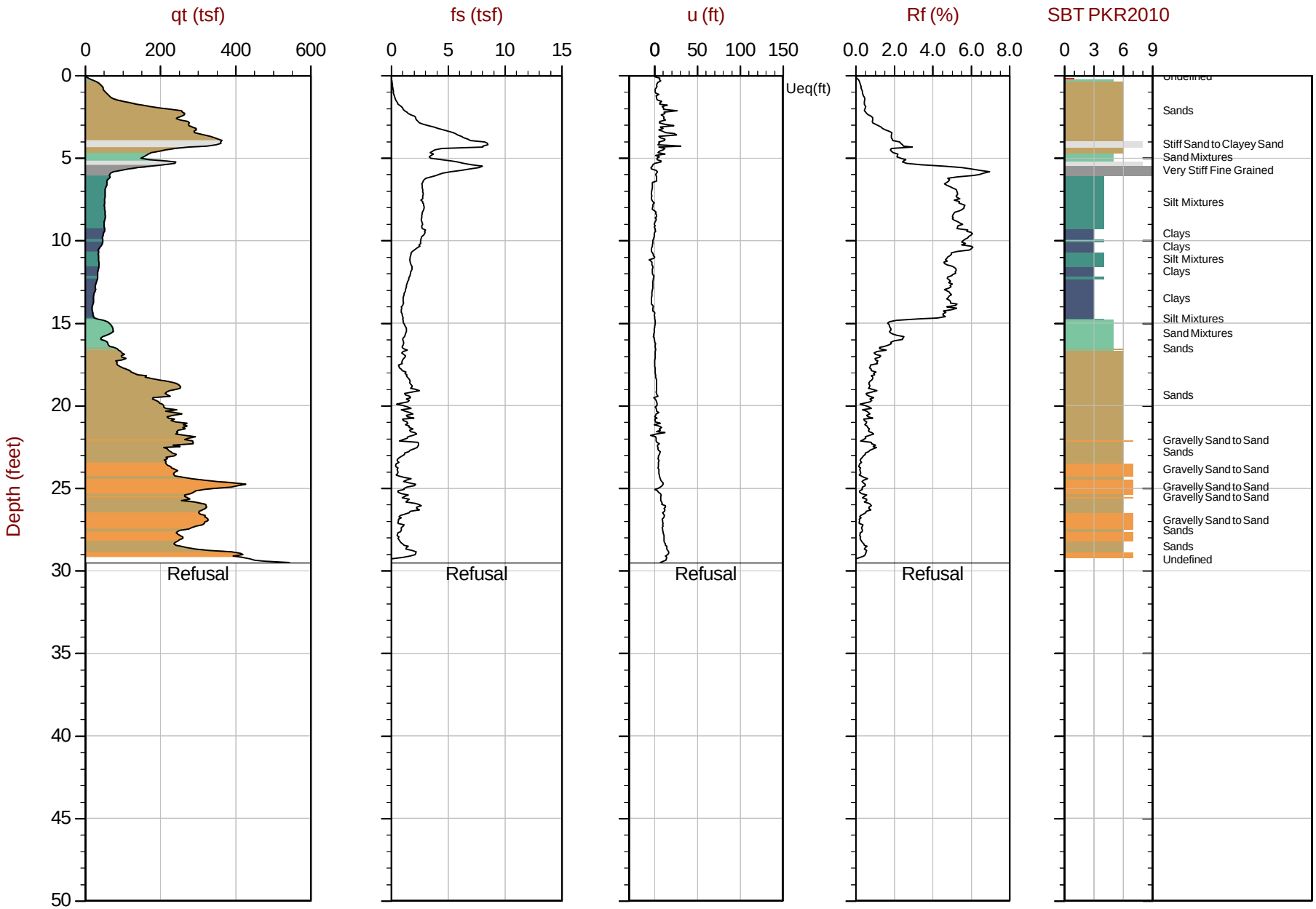
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

AECOM

Job No: 23-52-25874
Date: 2023-06-08 11:14
Site: Las Animas Levee

Sounding: CPT-21
Cone: 825:T1500F15U35



Max Depth: 9.000 m / 29.53 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 23-52-25874_CP21.COR

SBT: Robertson, 2010 (CPT '10)
Coords: Lat: 38.071228 Long: -103.298950
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved

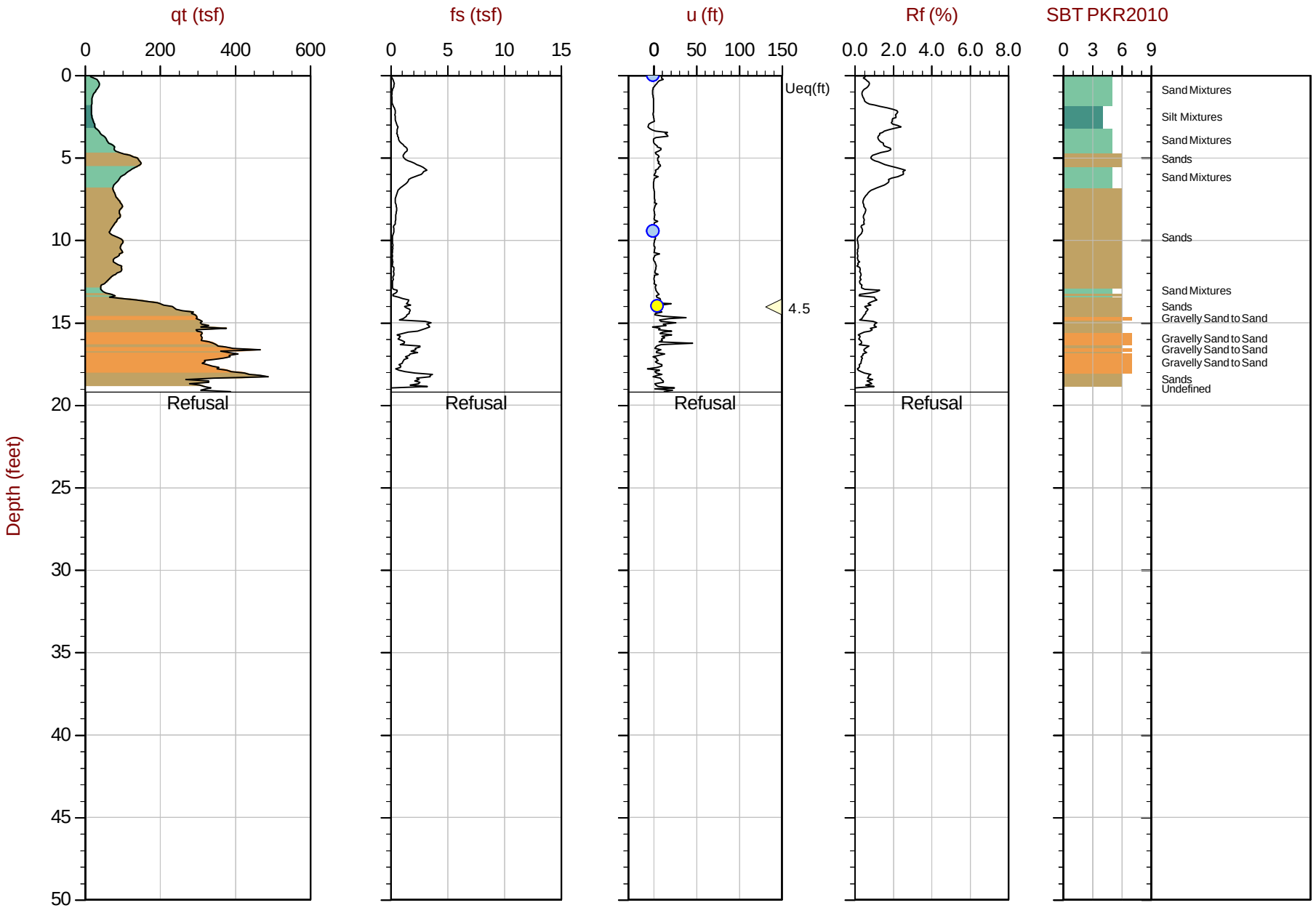
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

AECOM

Job No: 23-52-25874
Date: 2023-06-08 13:34
Site: Las Animas Levee

Sounding: CPT-22
Cone: 825:T1500F15U35



Max Depth: 5.850 m / 19.19 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 23-52-25874_CP22.COR

SBT: Robertson, 2010 (CPT '10)
Coords: Lat: 38.072397 Long: -103.297001
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved

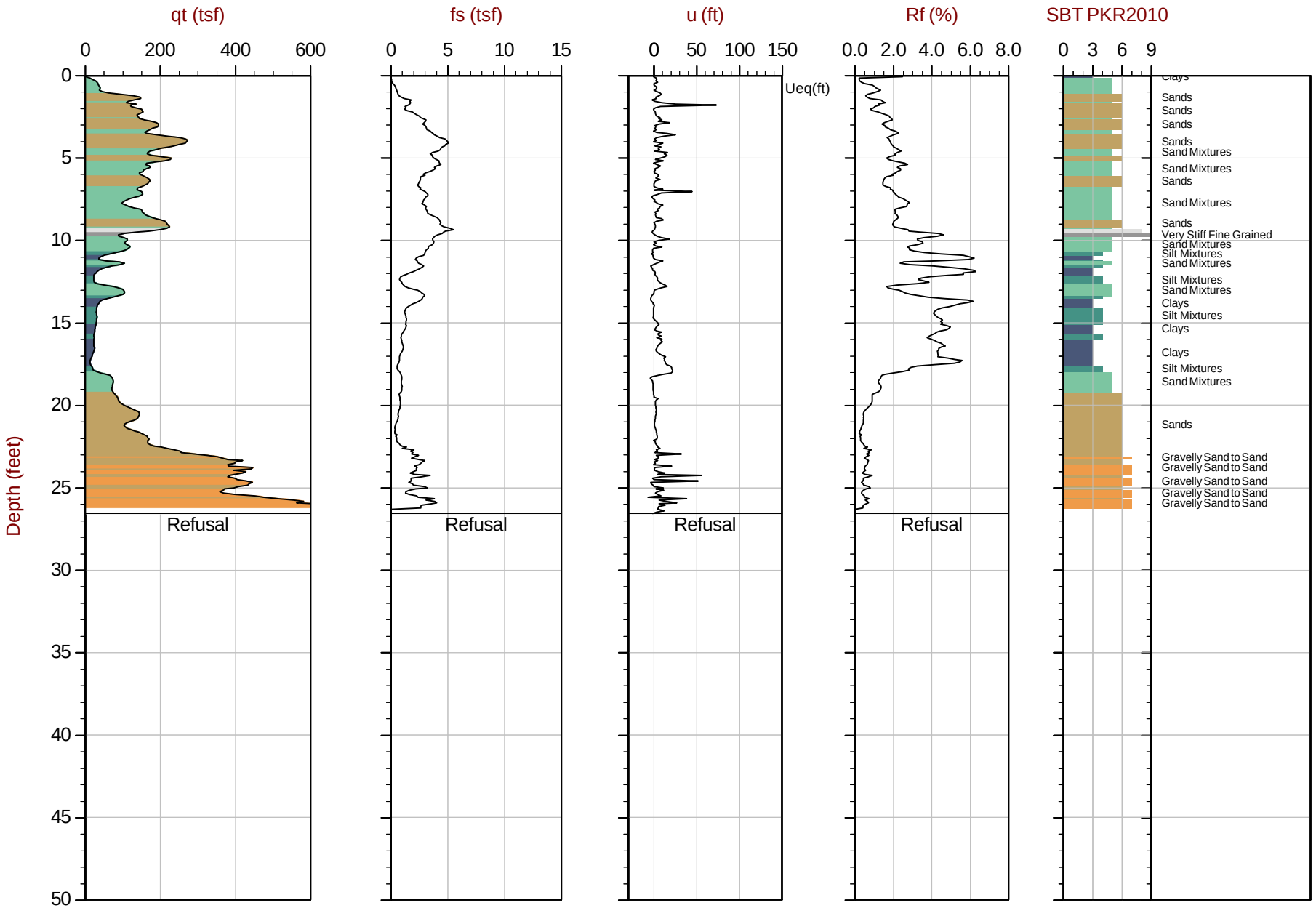
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

AECOM

Job No: 23-52-25874
Date: 2023-06-08 08:02
Site: Las Animas Levee

Sounding: CPT-23
Cone: 825:T1500F15U35



Max Depth: 8.100 m / 26.57 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 23-52-25874_CP23.COR

SBT: Robertson, 2010 (CPT '10)
Coords: Lat: 38.072249 Long: -103.296875
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved

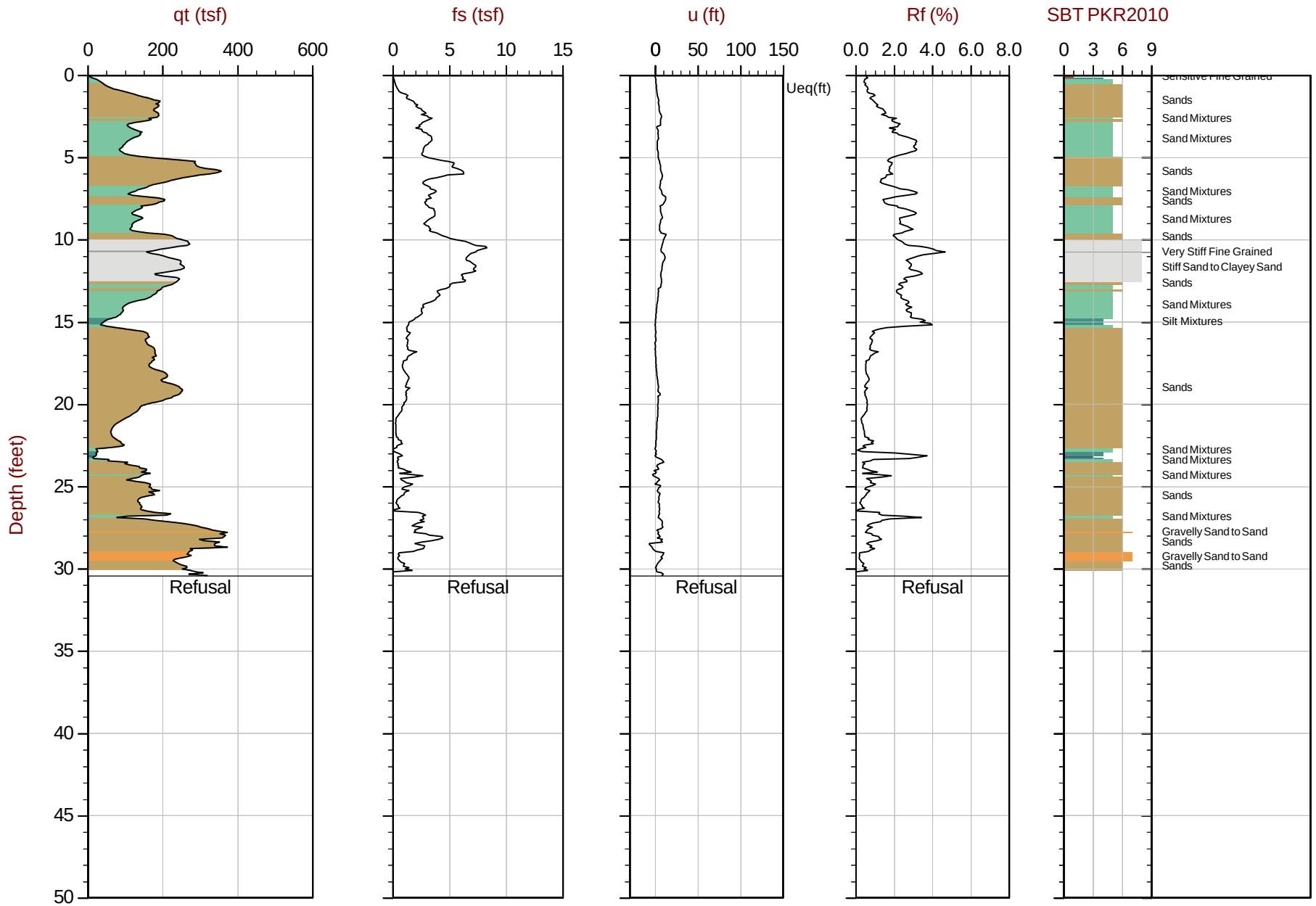
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

AECOM

Job No: 23-52-25874
Date: 2023-06-08 07:13
Site: Las Animas Levee

Sounding: CPT-24
Cone: 825:T1500F15U35



Max Depth: 9.275 m / 30.43 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 23-52-25874_CP24.COR

SBT: Robertson, 2010 (CPT '10)
Coords: Lat: 38.072974 Long: -103.295385
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved

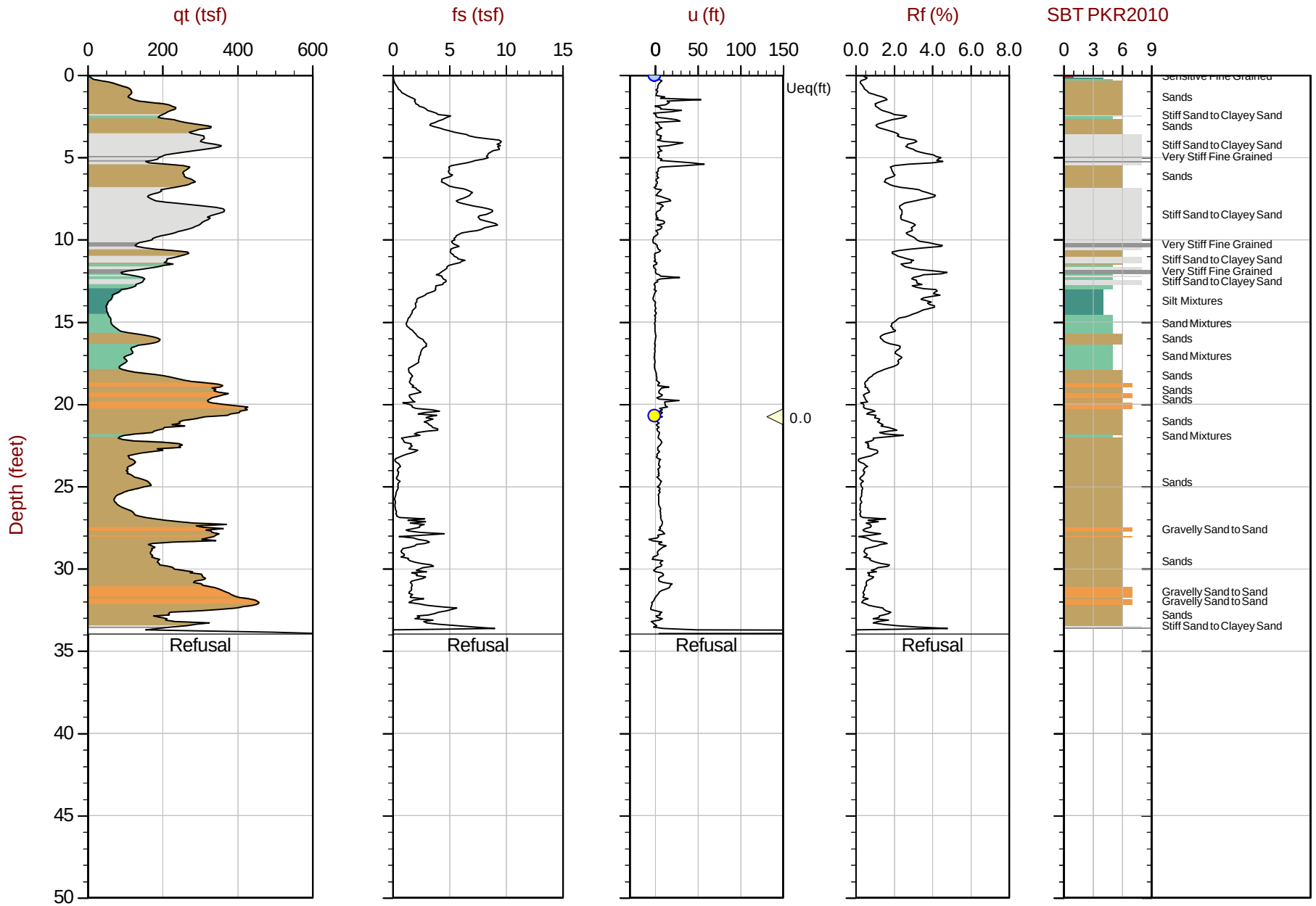
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

AECOM

Job No: 23-52-25874
Date: 2023-06-07 12:09
Site: Las Animas Levee

Sounding: CPT-25
Cone: 825:T1500F15U35



Max Depth: 10.350 m / 33.96 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 23-52-25874_CP25.COR

SBT: Robertson, 2010 (CPT '10)
Coords: Lat: 38.073737 Long: -103.293730
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved

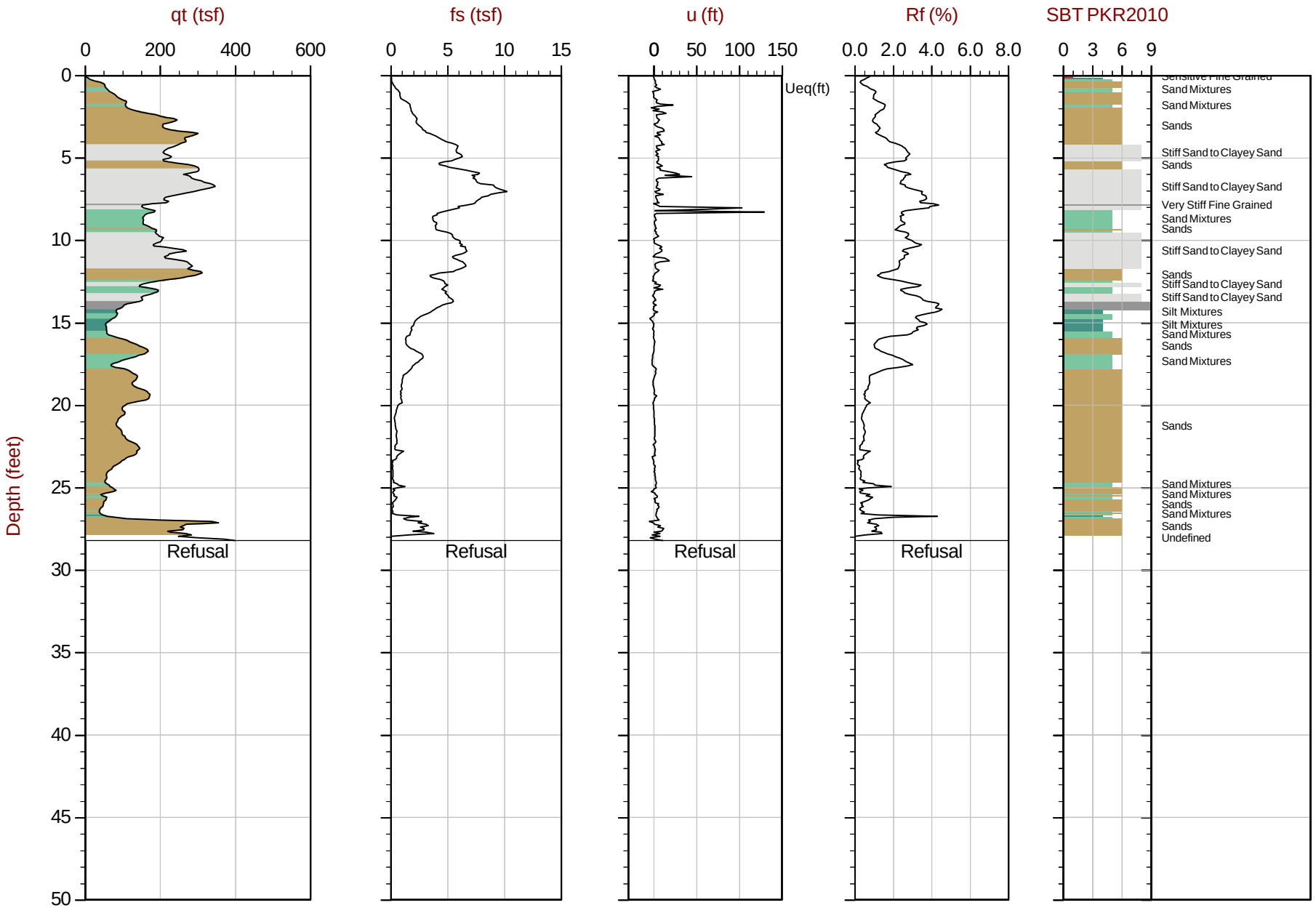
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

AECOM

Job No: 23-52-25874
Date: 2023-06-07 11:08
Site: Las Animas Levee

Sounding: CPT-26
Cone: 825:T1500F15U35



Max Depth: 8.600 m / 28.21 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 23-52-25874_CP26.COR

SBT: Robertson, 2010 (CPT '10)
Coords: Lat: 38.074389 Long: -103.291245
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved

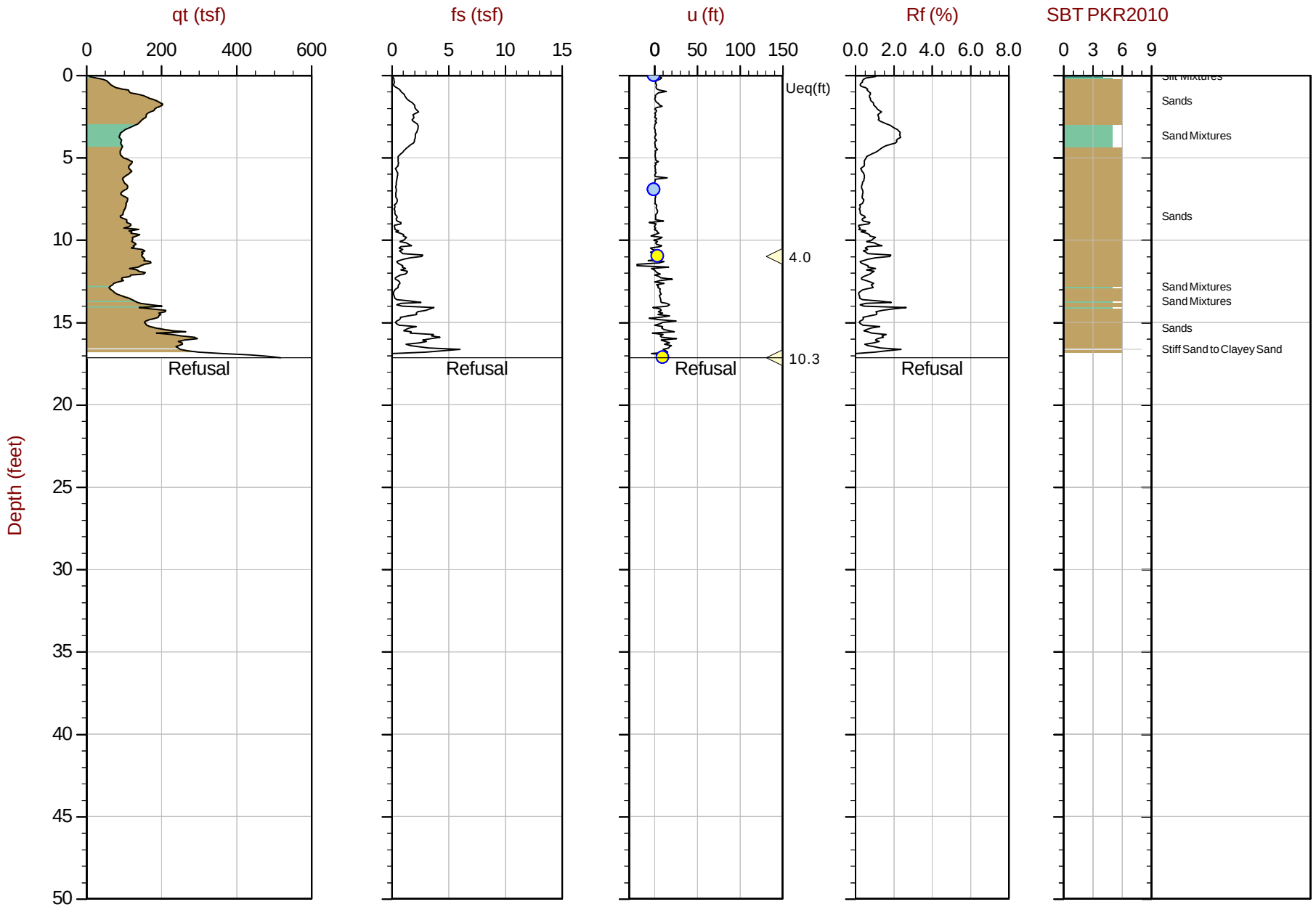
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

AECOM

Job No: 23-52-25874
Date: 2023-06-07 13:23
Site: Las Animas Levee

Sounding: CPT-28
Cone: 825:T1500F15U35



Max Depth: 5.225 m / 17.14 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 23-52-25874_CP28.COR

SBT: Robertson, 2010 (CPT '10)
Coords: Lat: 38.074625 Long: -103.289918
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved

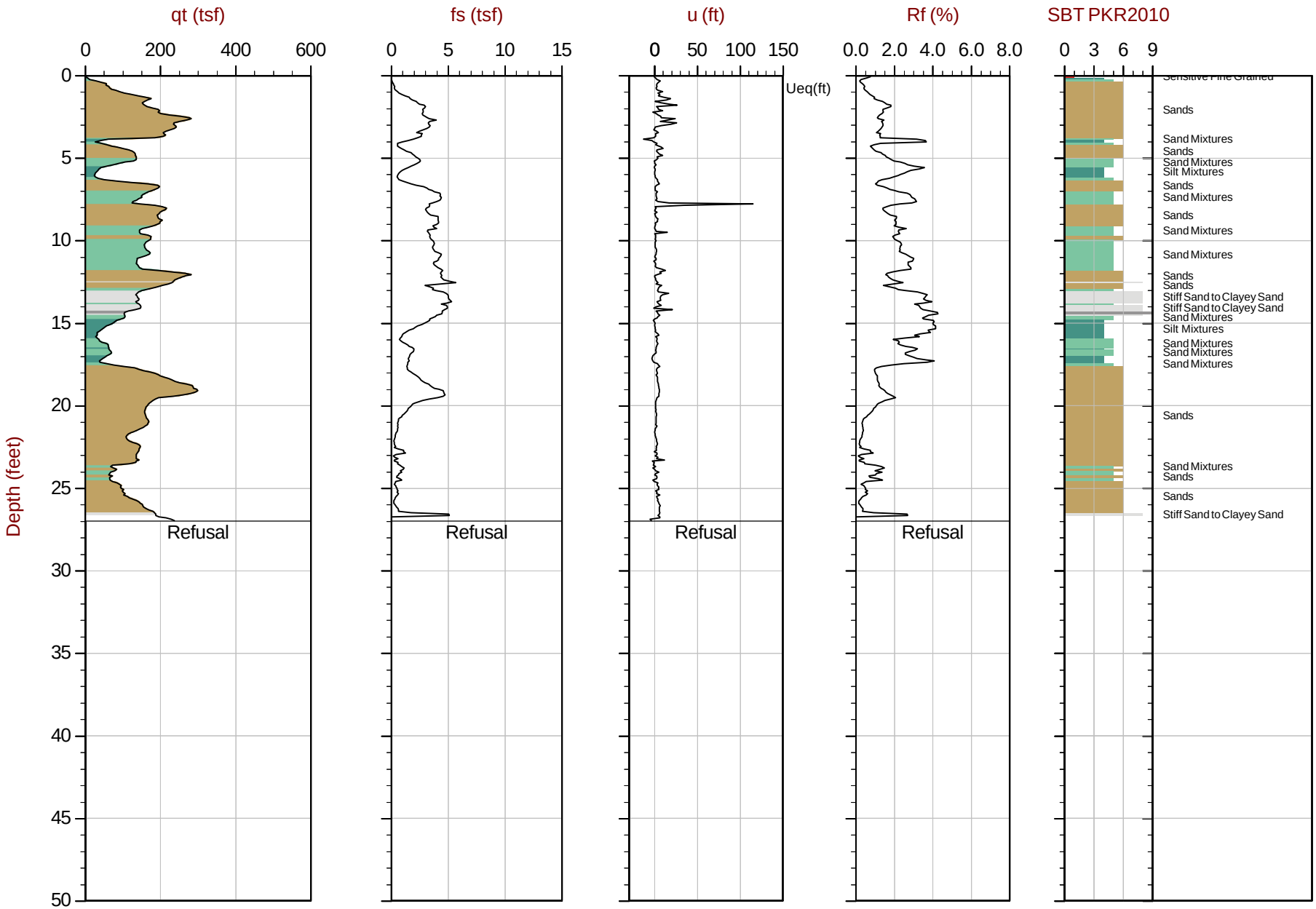
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

AECOM

Job No: 23-52-25874
Date: 2023-06-07 10:08
Site: Las Animas Levee

Sounding: CPT-29
Cone: 825:T1500F15U35



Max Depth: 8.225 m / 26.98 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 23-52-25874_CP29.COR

SBT: Robertson, 2010 (CPT '10)
Coords: Lat: 38.074532 Long: -103.289541
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved

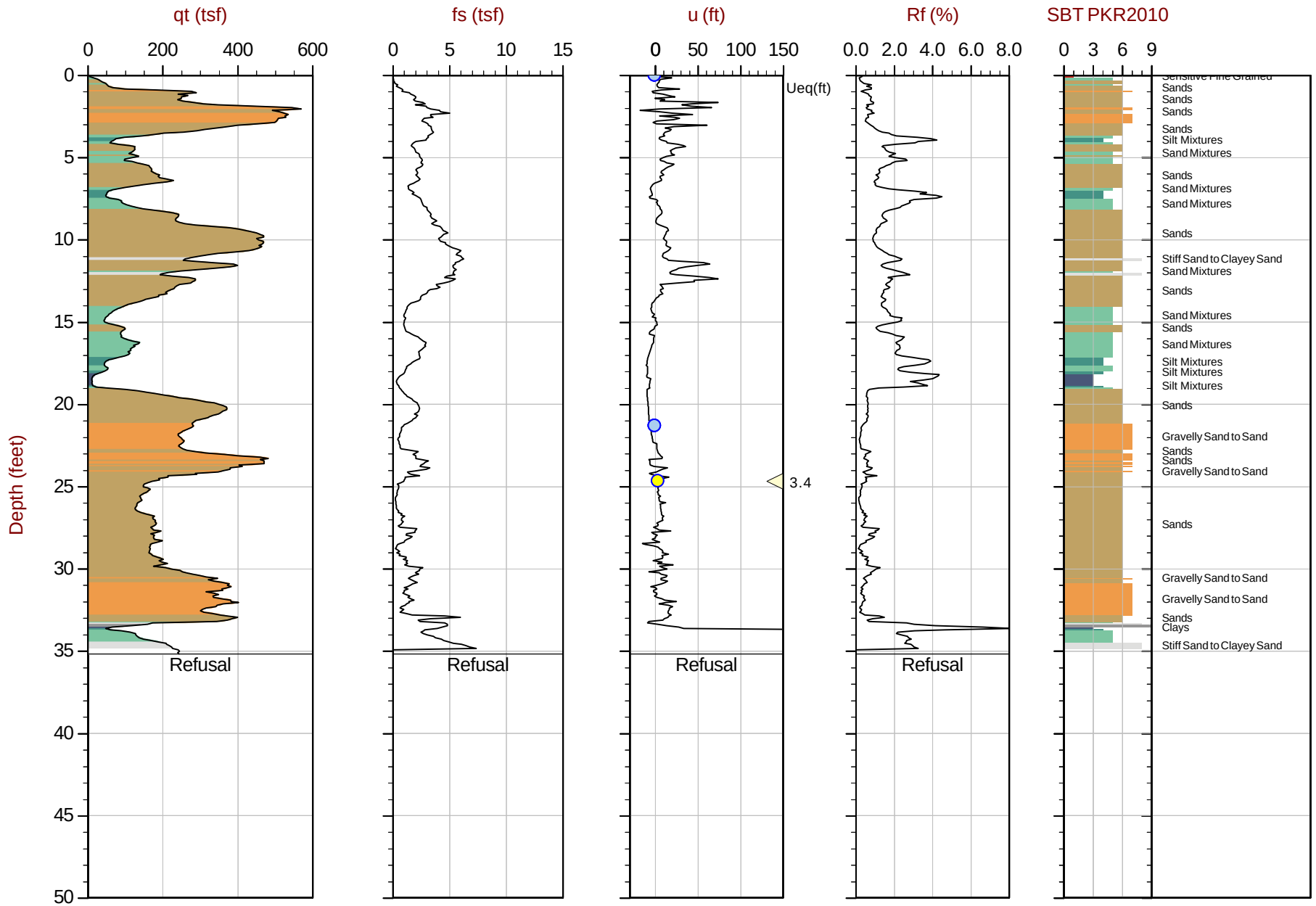
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

AECOM

Job No: 23-52-25874
Date: 2023-06-07 08:30
Site: Las Animas Levee

Sounding: CPT-30
Cone: 825:T1500F15U35



Max Depth: 10.725 m / 35.19 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 23-52-25874_CP30.COR

SBT: Robertson, 2010 (CPT '10)
Coords: Lat: 38.074568 Long: -103.287777
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved

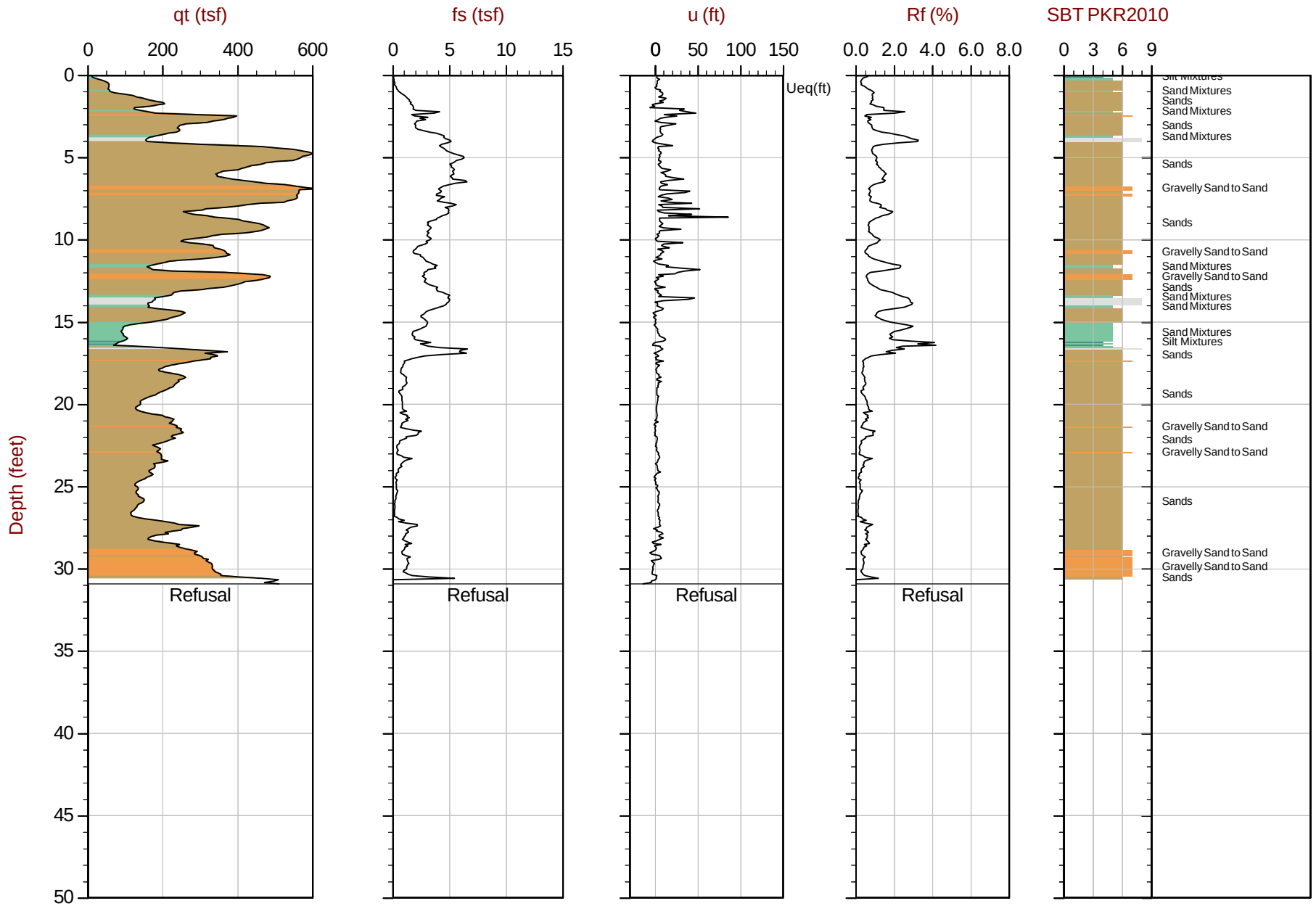
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

AECOM

Job No: 23-52-25874
Date: 2023-06-07 07:28
Site: Las Animas Levee

Sounding: CPT-31
Cone: 825:T1500F15U35



Max Depth: 9.425 m / 30.92 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 23-52-25874_CP31.COR

SBT: Robertson, 2010 (CPT '10)
Coords: Lat: 38.074685 Long: -103.285203
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved

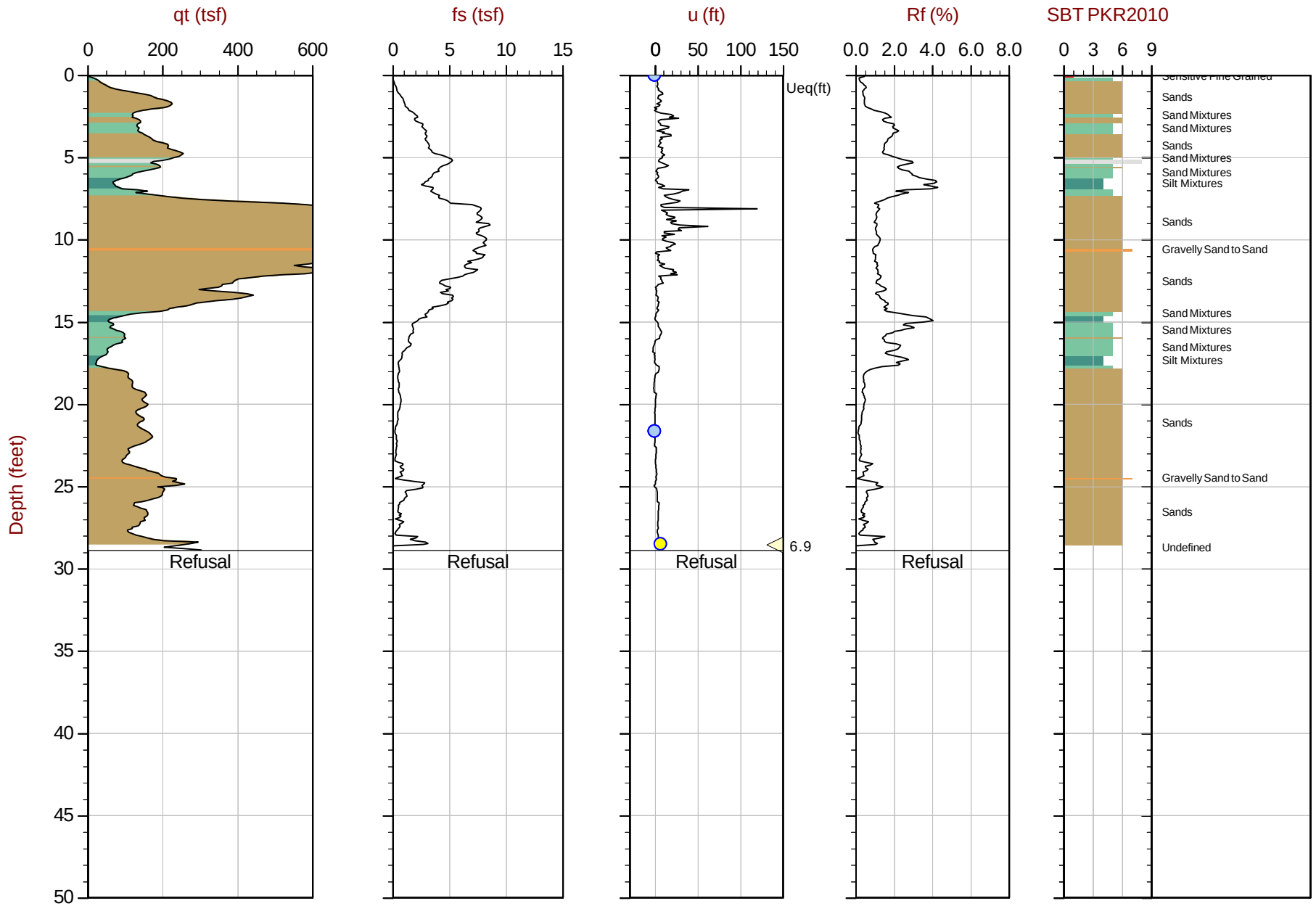
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

AECOM

Job No: 23-52-25874
Date: 2023-06-07 06:27
Site: Las Animas Levee

Sounding: CPT-32
Cone: 825:T1500F15U35



Max Depth: 8.800 m / 28.87 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 23-52-25874_CP32.COR

SBT: Robertson, 2010 (CPT '10)
Coords: Lat: 38.074742 Long: -103.282596
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved

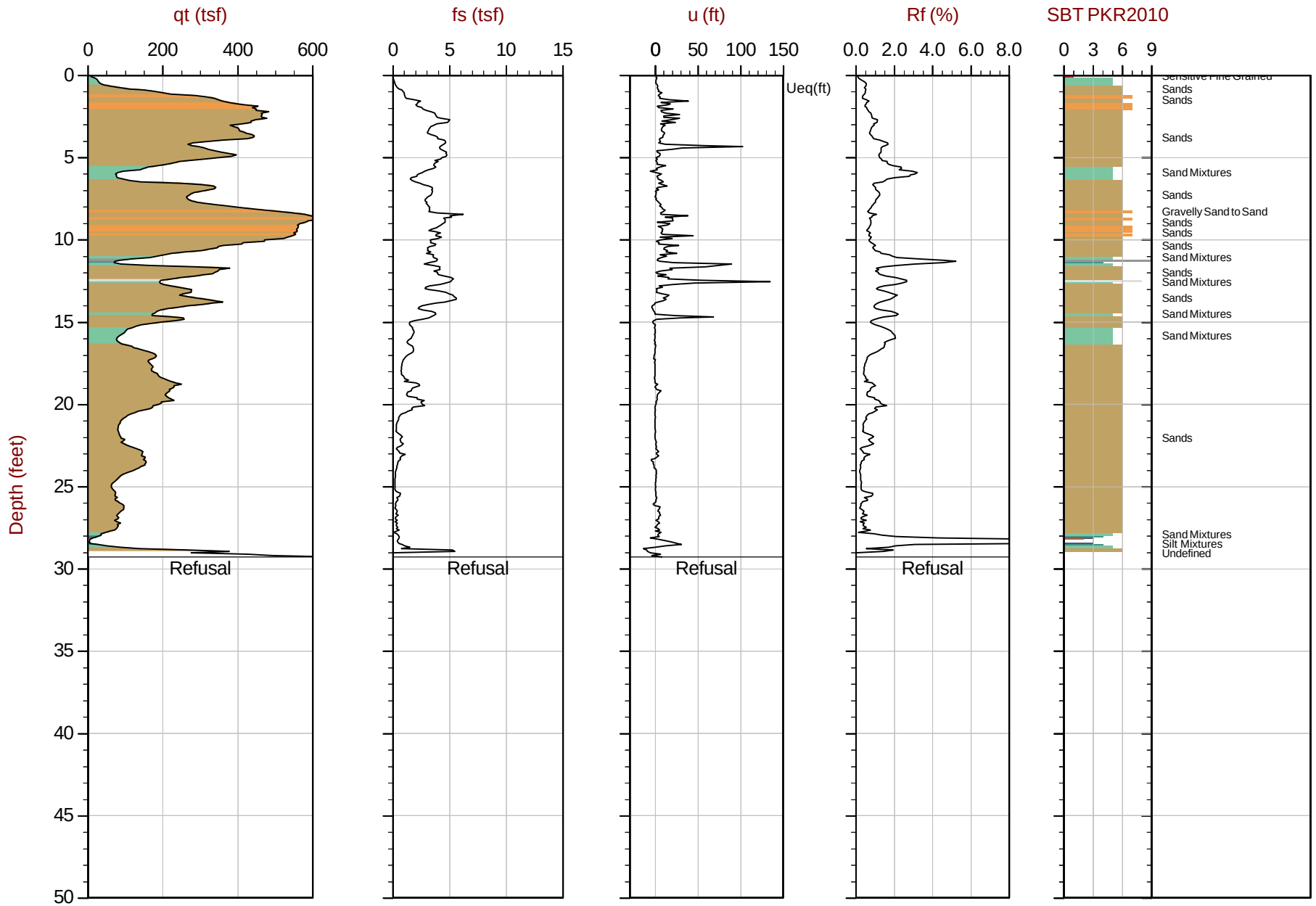
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

AECOM

Job No: 23-52-25874
Date: 2023-06-06 14:22
Site: Las Animas Levee

Sounding: CPT-33
Cone: 825:T1500F15U35



Max Depth: 8.925 m / 29.28 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 23-52-25874_CP33.COR

SBT: Robertson, 2010 (CPT '10)
Coords: Lat: 38.074870 Long: -103.279115
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved

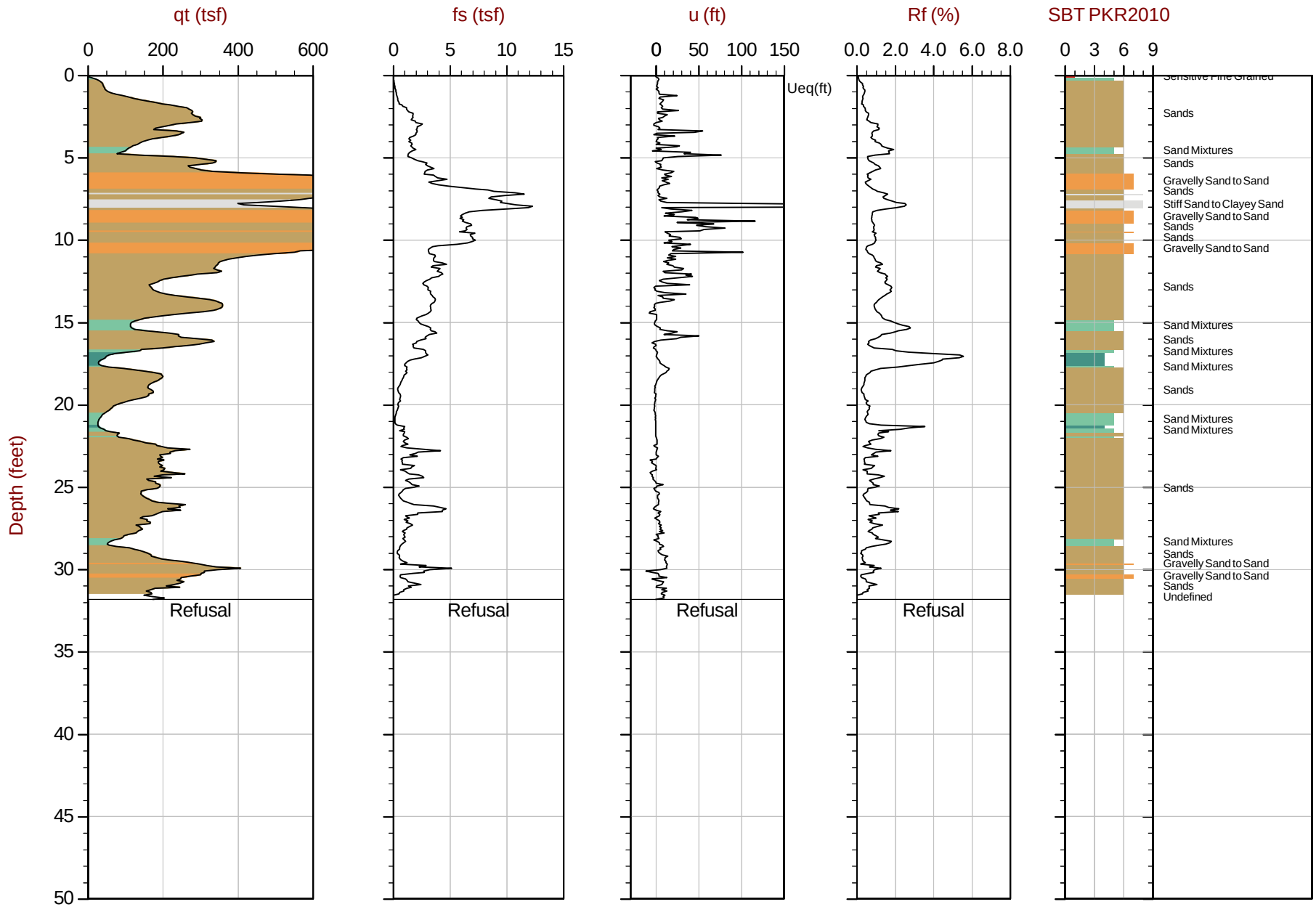
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

AECOM

Job No: 23-52-25874
Date: 2023-06-06 13:26
Site: Las Animas Levee

Sounding: CPT-34
Cone: 825:T1500F15U35



Max Depth: 9.700 m / 31.82 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 23-52-25874_CP34.COR

SBT: Robertson, 2010 (CPT '10)
Coords: Lat: 38.074991 Long: -103.275646
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved

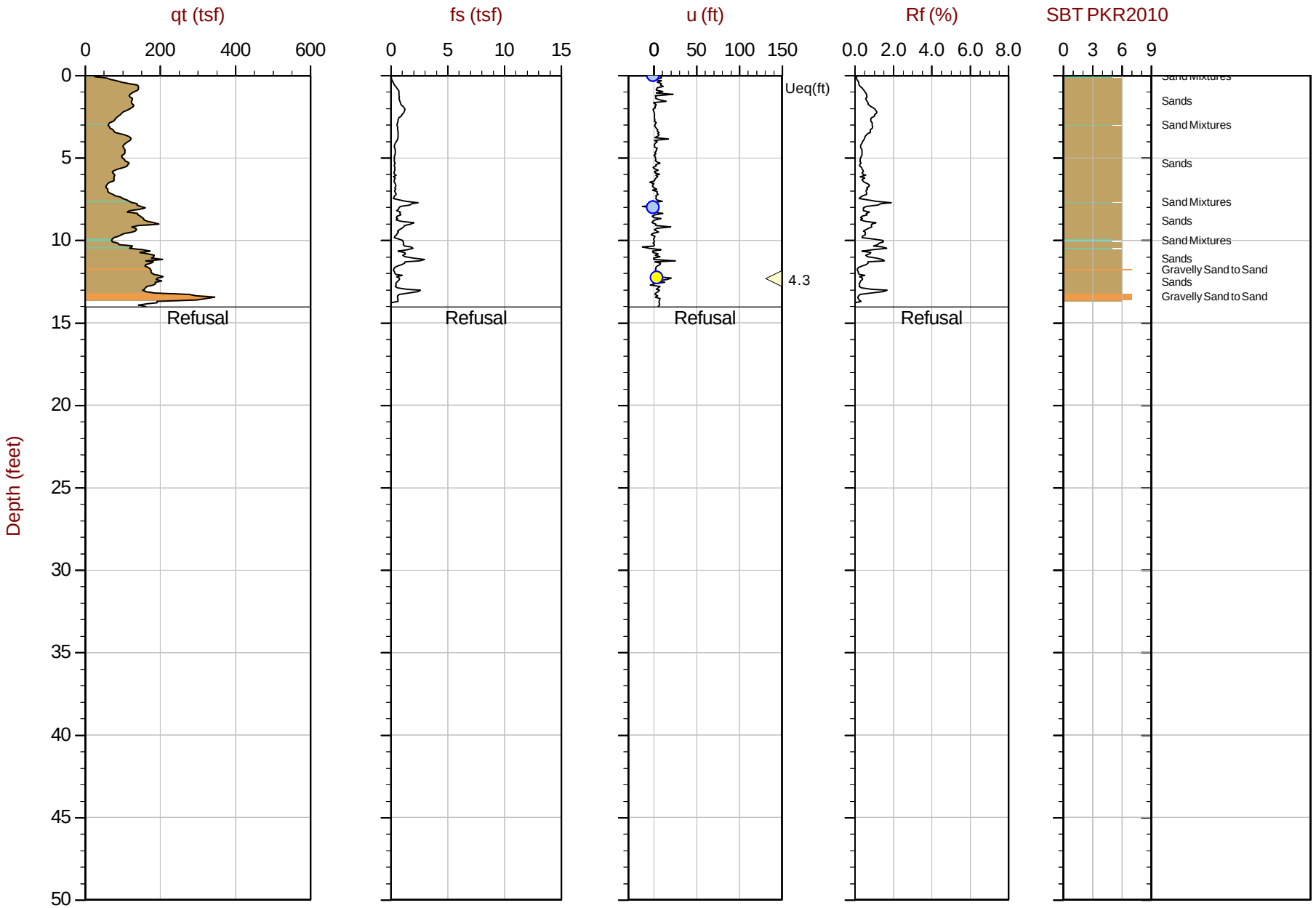
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

AECOM

Job No: 23-52-25874
Date: 2023-06-11 11:11
Site: Las Animas Levee

Sounding: CPT-35
Cone: 825:T1500F15U35



Max Depth: 4.275 m / 14.03 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 23-52-25874_CP35.COR

SBT: Robertson, 2010 (CPT '10)
Coords: Lat: 38.074788 Long: -103.275713
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved

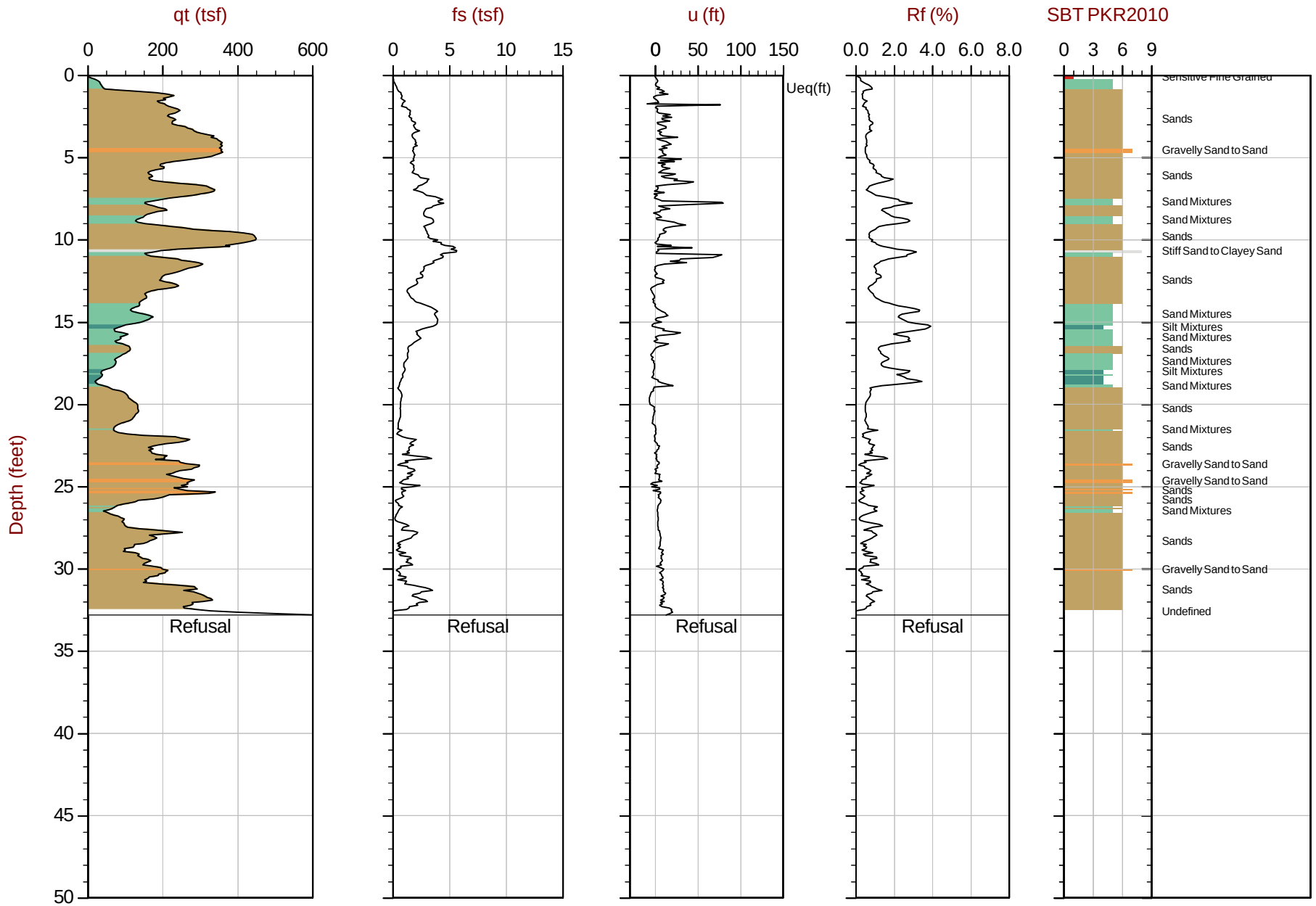
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

AECOM

Job No: 23-52-25874
Date: 2023-06-06 12:24
Site: Las Animas Levee

Sounding: CPT-36
Cone: 825:T1500F15U35



Max Depth: 10.000 m / 32.81 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 23-52-25874_CP36.COR

SBT: Robertson, 2010 (CPT '10)
Coords: Lat: 38.075148 Long: -103.272187
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved

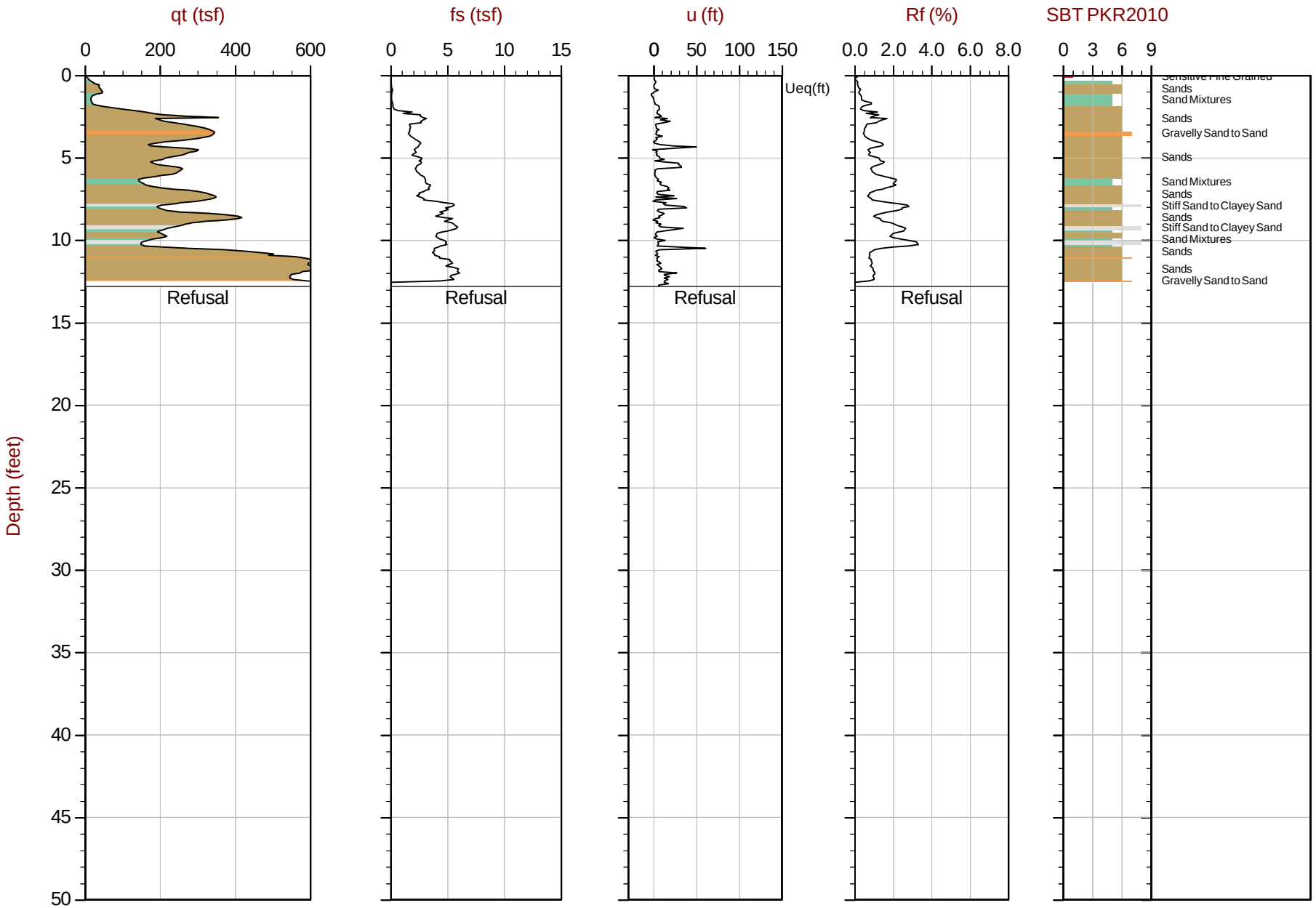
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

AECOM

Job No: 23-52-25874
Date: 2023-06-06 10:47
Site: Las Animas Levee

Sounding: CPT-37
Cone: 825:T1500F15U35



Max Depth: 3.900 m / 12.80 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 23-52-25874_CP37.COR

SBT: Robertson, 2010 (CPT '10)
Coords: Lat: 38.075243 Long: -103.268696
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved

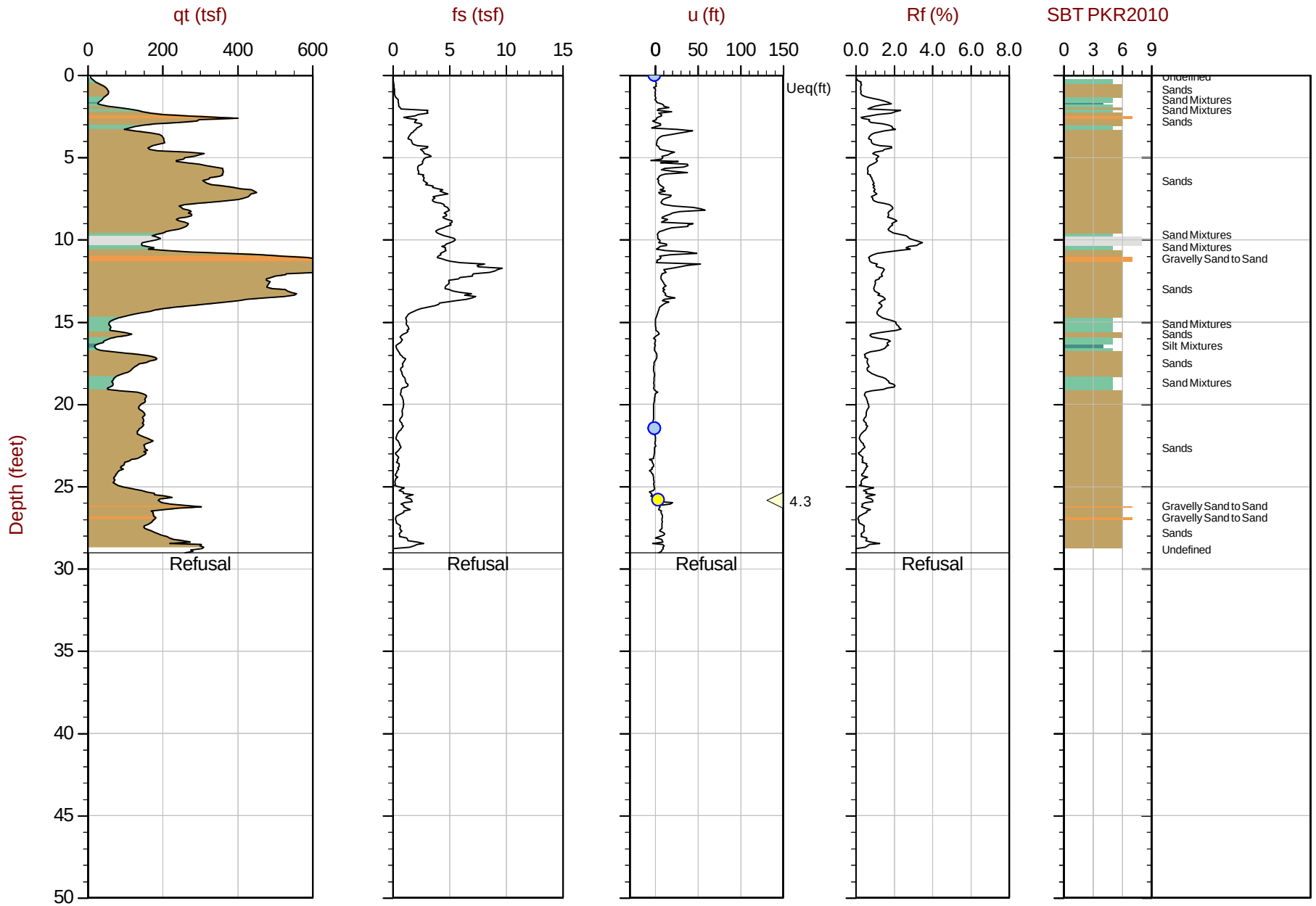
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

AECOM

Job No: 23-52-25874
Date: 2023-06-06 11:30
Site: Las Animas Levee

Sounding: CPT-37A
Cone: 825:T1500F15U35



Max Depth: 8.850 m / 29.04 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 23-52-25874_CP37A.COR

SBT: Robertson, 2010 (CPT '10)
Coords: Lat: 38.075246 Long: -103.268745
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved

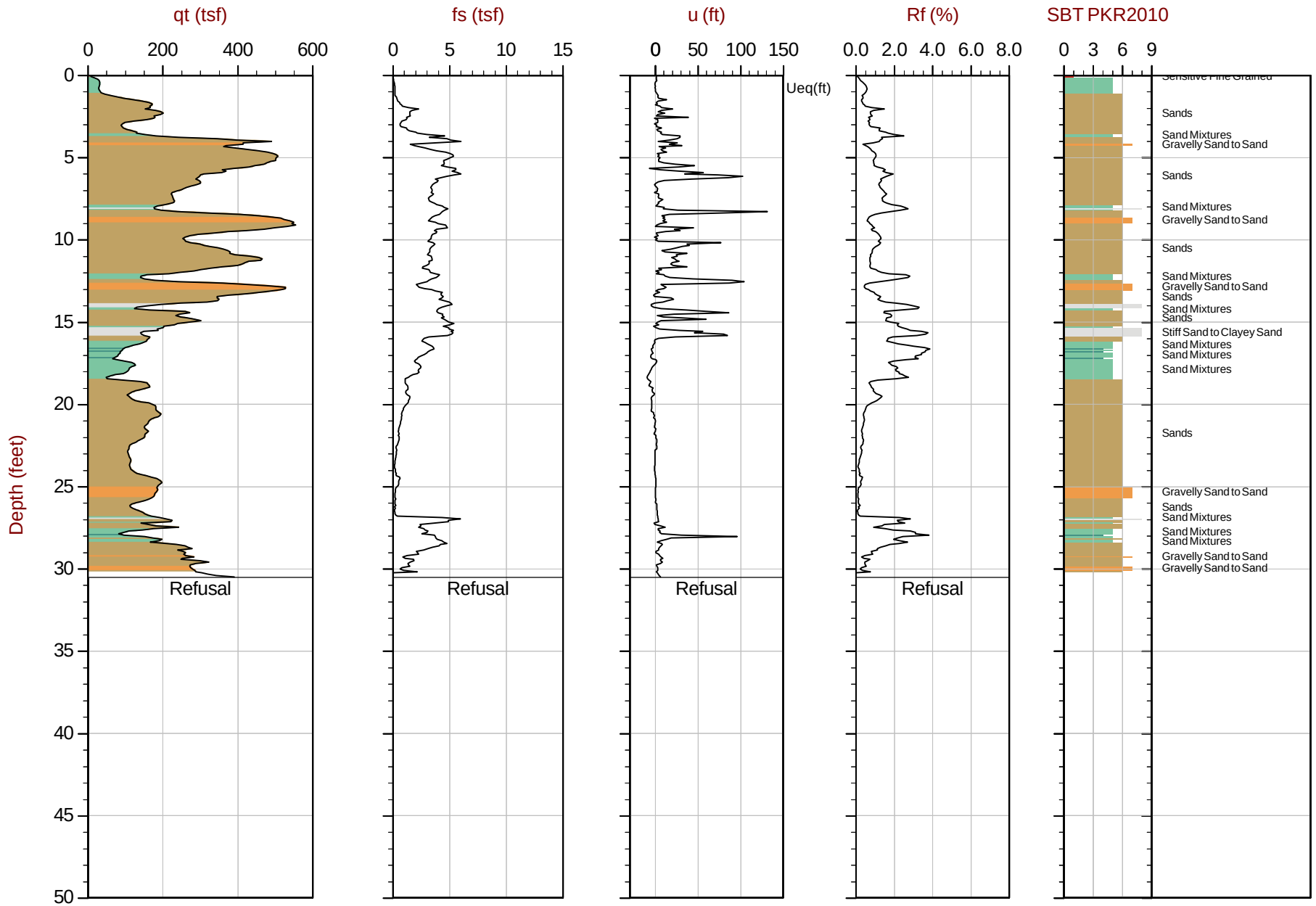
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

AECOM

Job No: 23-52-25874
Date: 2023-06-06 09:54
Site: Las Animas Levee

Sounding: CPT-38
Cone: 825:T1500F15U35



Max Depth: 9.300 m / 30.51 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 23-52-25874_CP38.COR

SBT: Robertson, 2010 (CPT '10)
Coords: Lat: 38.075332 Long: -103.266130
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved

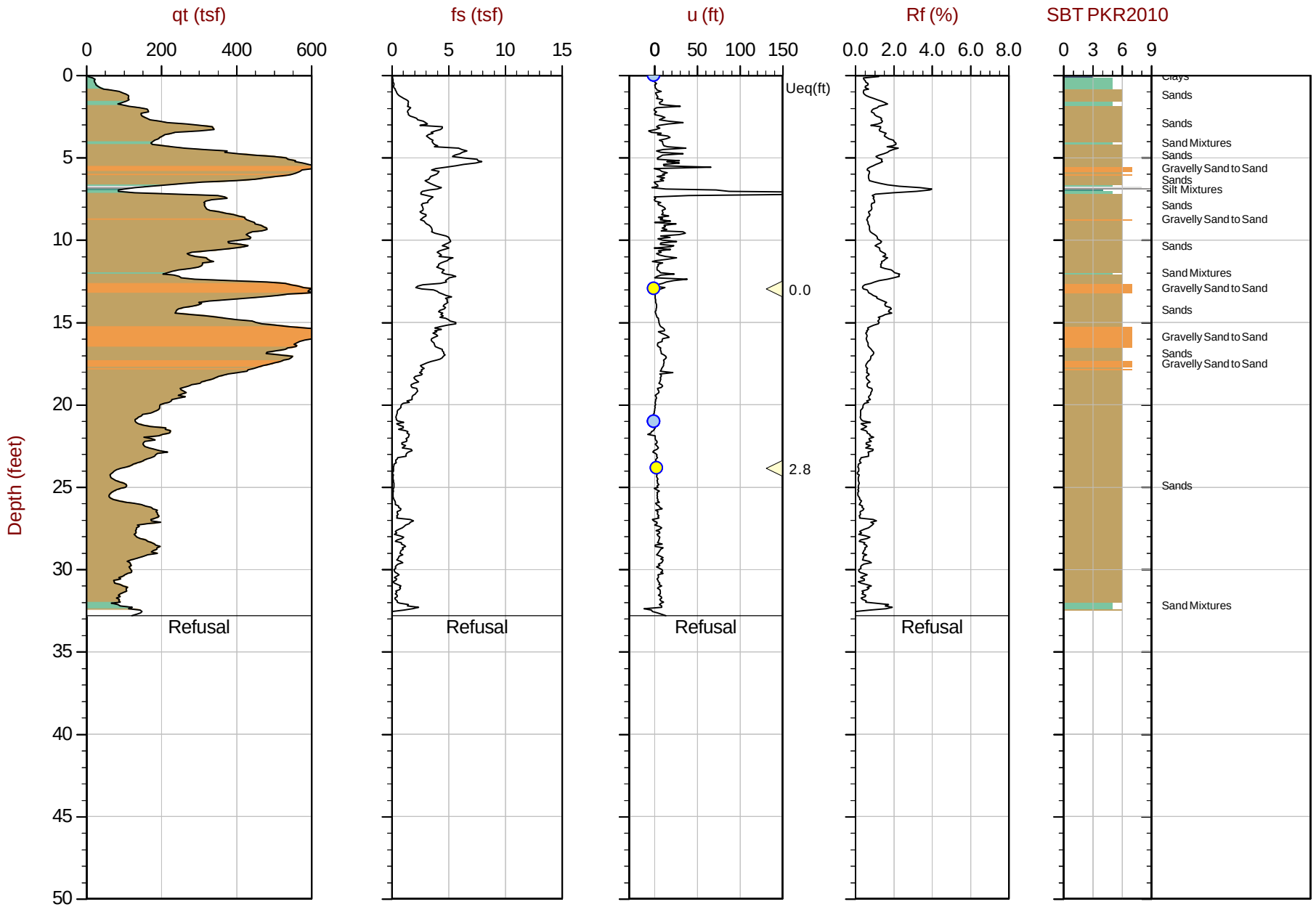
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

AECOM

Job No: 23-52-25874
Date: 2023-06-06 08:45
Site: Las Animas Levee

Sounding: CPT-39
Cone: 825:T1500F15U35



Max Depth: 10.000 m / 32.81 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 23-52-25874_CP39.COR

SBT: Robertson, 2010 (CPT '10)
Coords: Lat: 38.075380 Long: -103.264360
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved

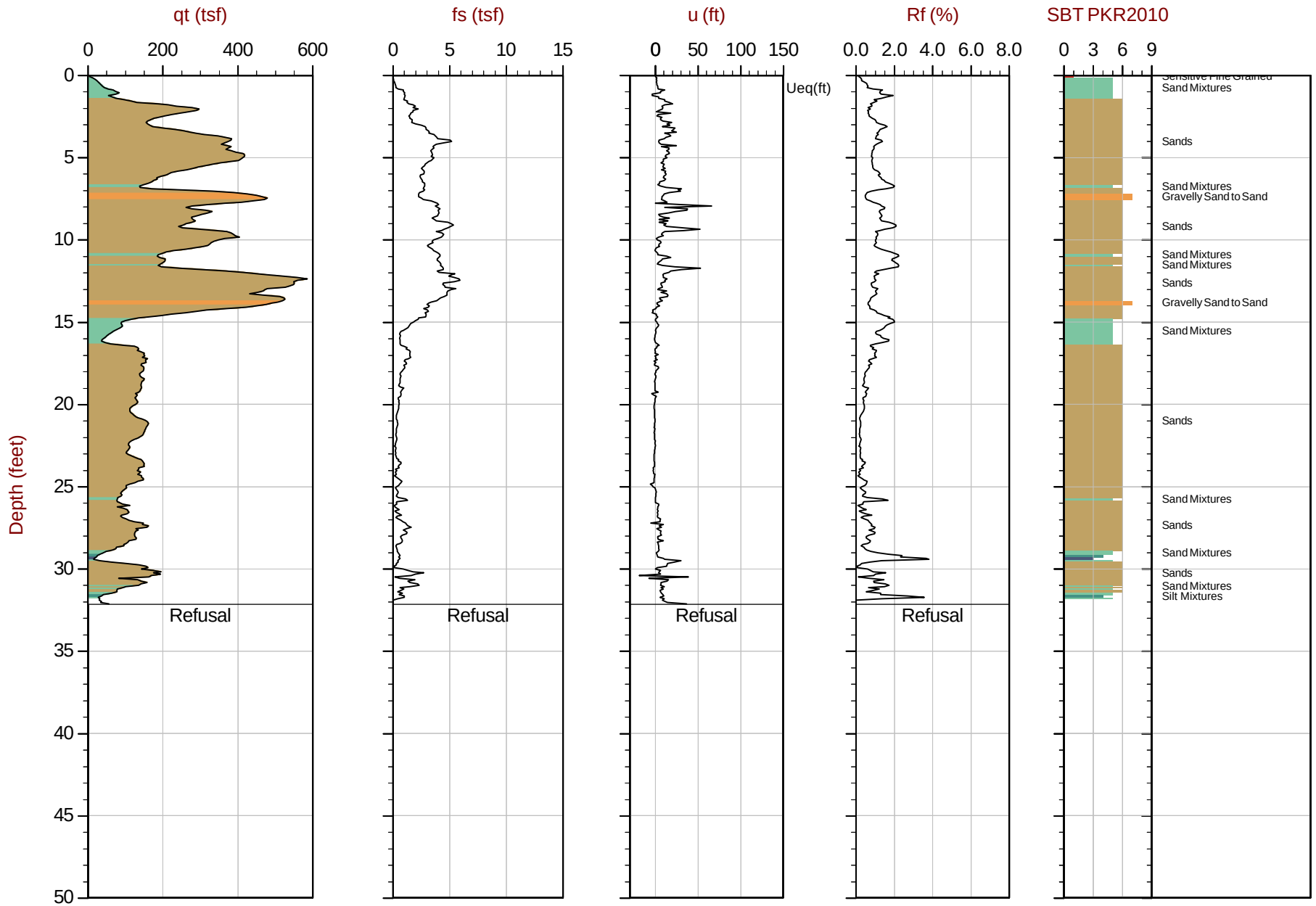
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

AECOM

Job No: 23-52-25874
Date: 2023-06-06 07:25
Site: Las Animas Levee

Sounding: CPT-40
Cone: 825:T1500F15U35



Max Depth: 9.800 m / 32.15 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 23-52-25874_CP40.COR

SBT: Robertson, 2010 (CPT '10)
Coords: Lat: 38.075440 Long: -103.262629
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved

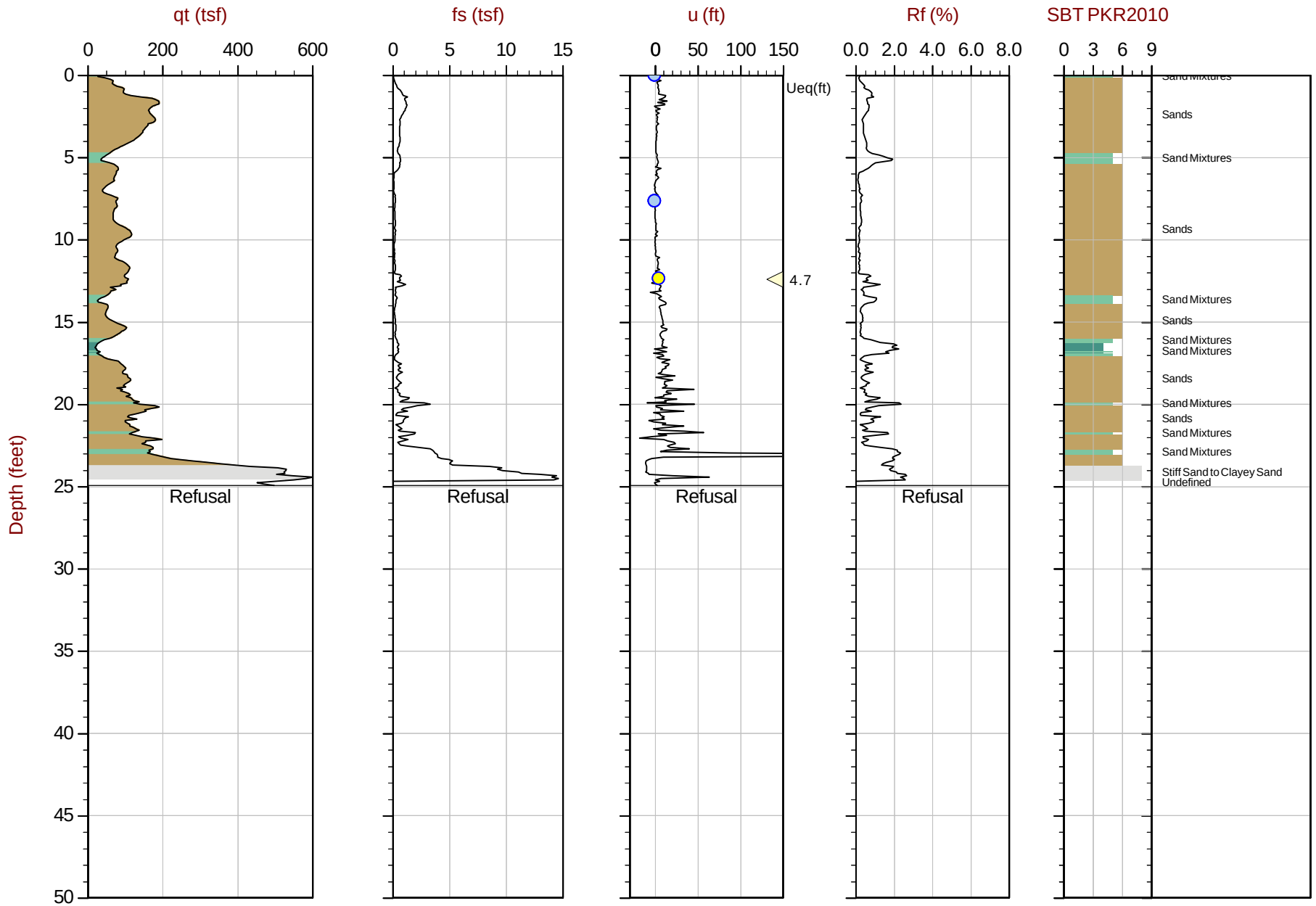
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

AECOM

Job No: 23-52-25874
Date: 2023-06-11 13:53
Site: Las Animas Levee

Sounding: CPT-41
Cone: 825:T1500F15U35



Max Depth: 7.600 m / 24.93 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 23-52-25874_CP41.COR

SBT: Robertson, 2010 (CPT '10)
Coords: Lat: 38.075234 Long: -103.262670
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved

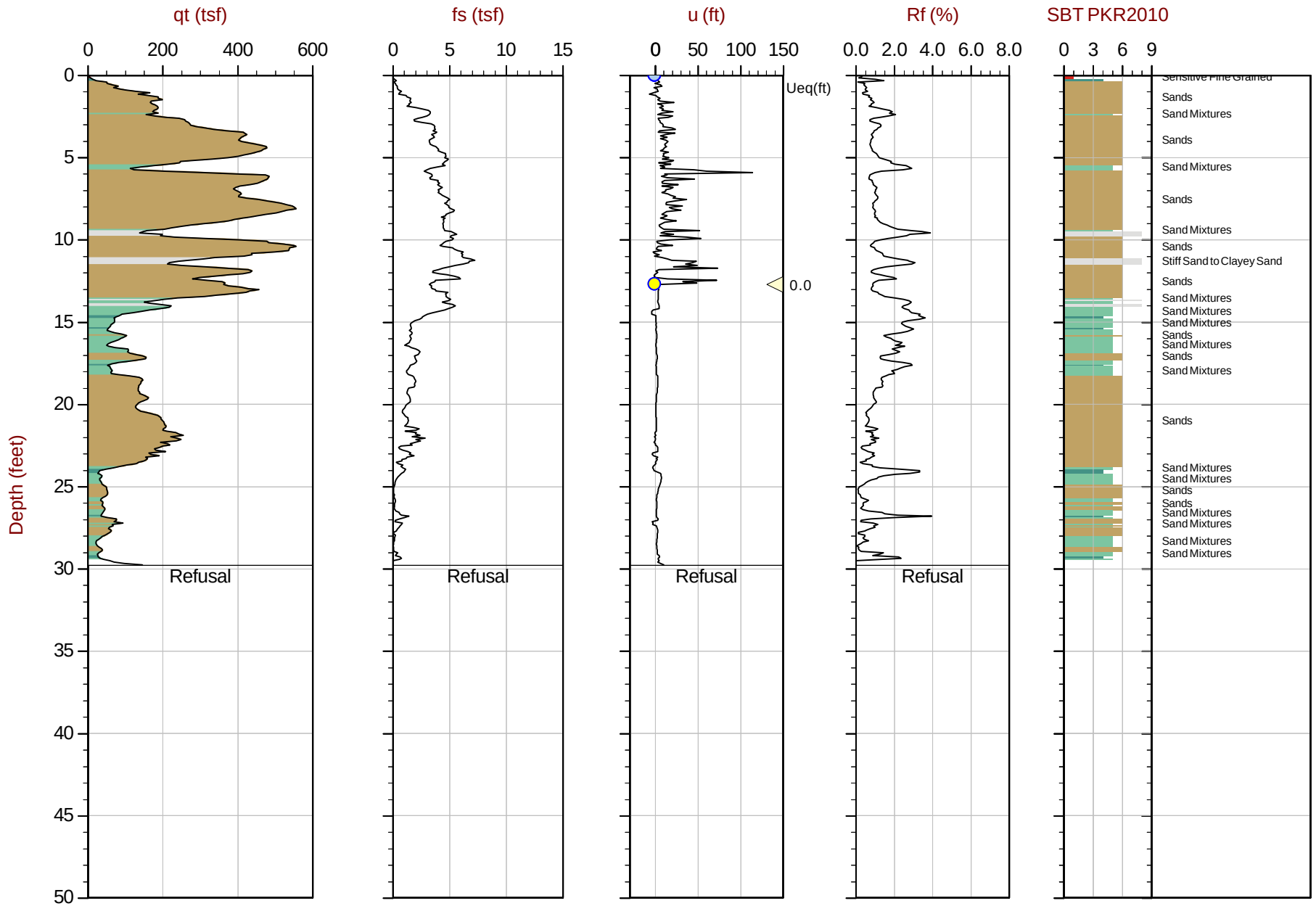
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

AECOM

Job No: 23-52-25874
Date: 2023-06-05 13:57
Site: Las Animas Levee

Sounding: CPT-42
Cone: 825:T1500F15U35



Max Depth: 9.075 m / 29.77 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 23-52-25874_CP42.COR

SBT: Robertson, 2010 (CPT '10)
Coords: Lat: 38.075557 Long: -103.259130
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved

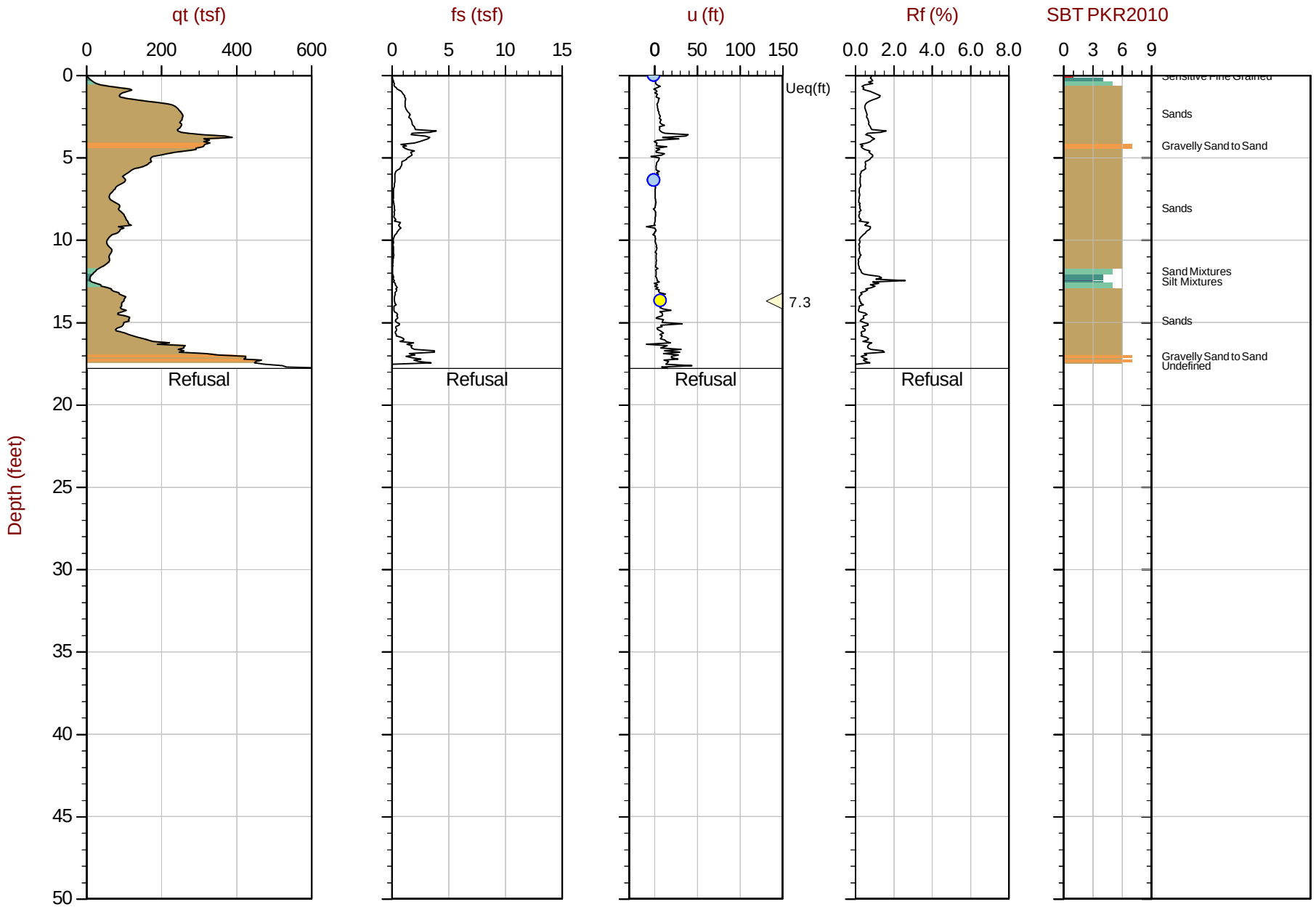
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

AECOM

Job No: 23-52-25874
Date: 2023-06-06 06:45
Site: Las Animas Levee

Sounding: CPT-43
Cone: 825:T1500F15U35



Max Depth: 5.425 m / 17.80 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 23-52-25874_CP43.COR

SBT: Robertson, 2010 (CPT '10)
Coords: Lat: 38.075414 Long: -103.257419
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved

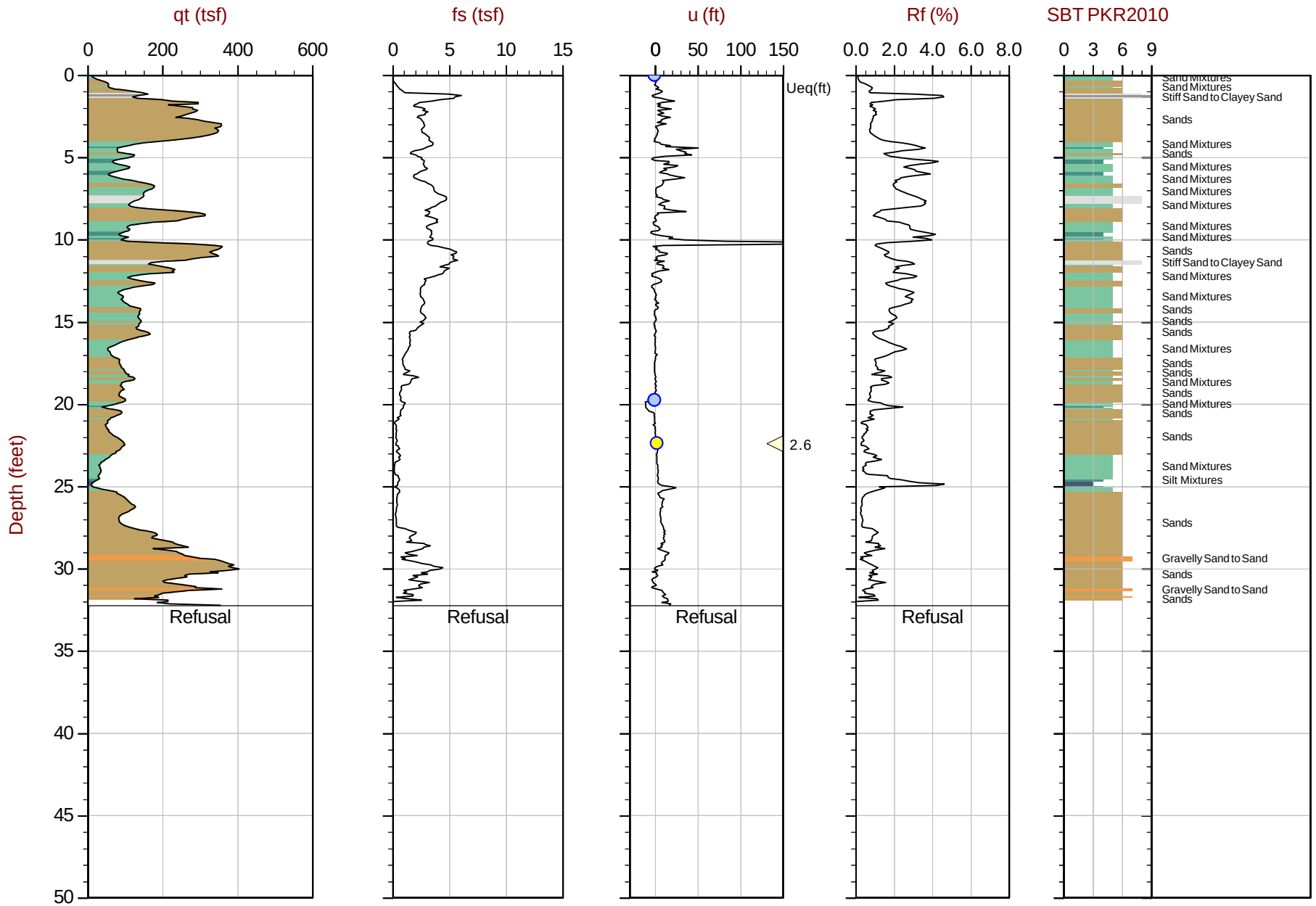
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

AECOM

Job No: 23-52-25874
Date: 2023-06-05 12:53
Site: Las Animas Levee

Sounding: CPT-44
Cone: 825:T1500F15U35



Max Depth: 9.825 m / 32.23 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 23-52-25874_CP44.COR

SBT: Robertson, 2010 (CPT '10)
Coords: Lat: 38.075630 Long: -103.256567
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved

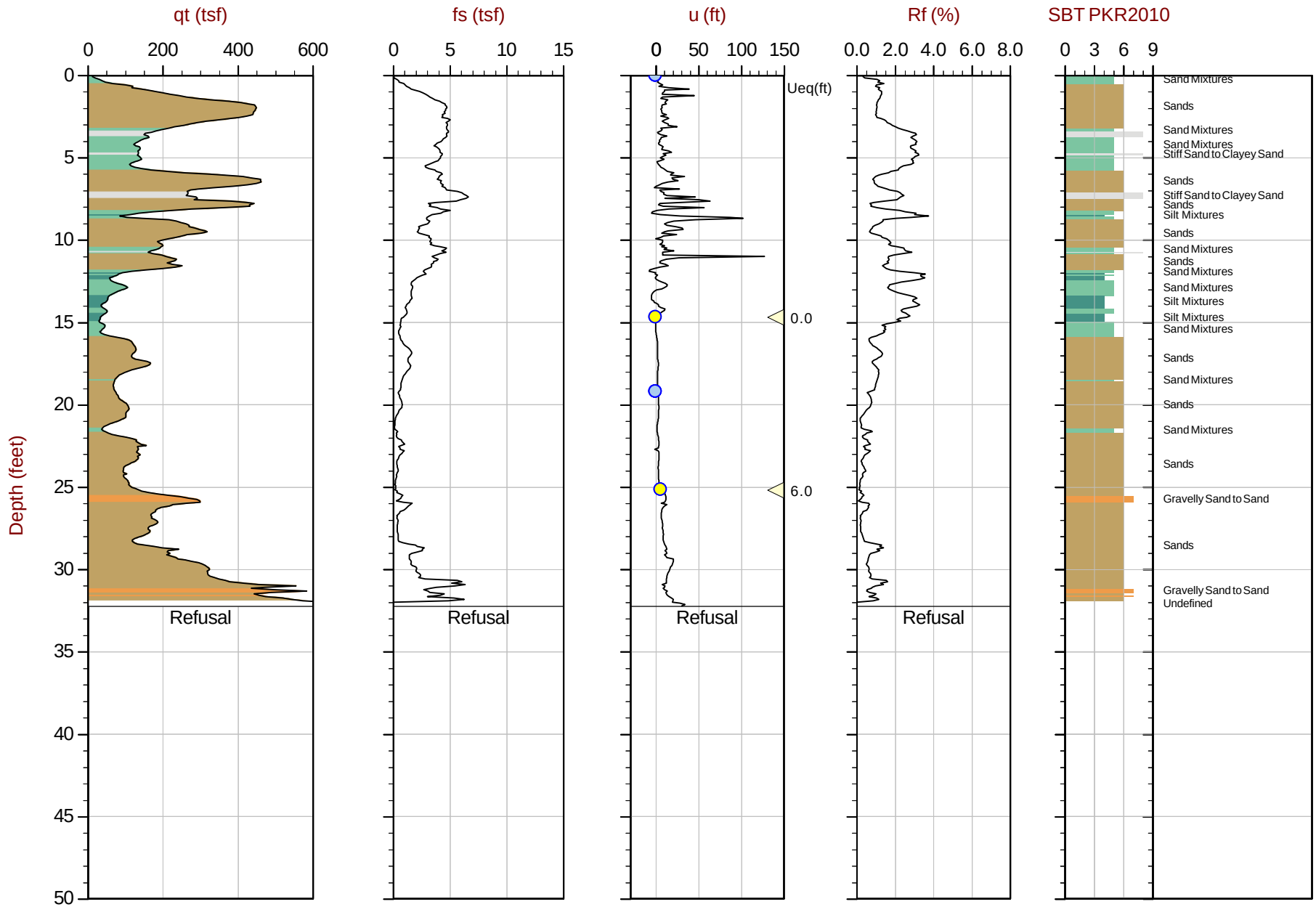
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

AECOM

Job No: 23-52-25874
Date: 2023-06-05 11:50
Site: Las Animas Levee

Sounding: CPT-45
Cone: 825:T1500F15U35



Max Depth: 9.825 m / 32.23 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 23-52-25874_CP45.COR

SBT: Robertson, 2010 (CPT '10)
Coords: Lat: 38.075712 Long: -103.254831
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved

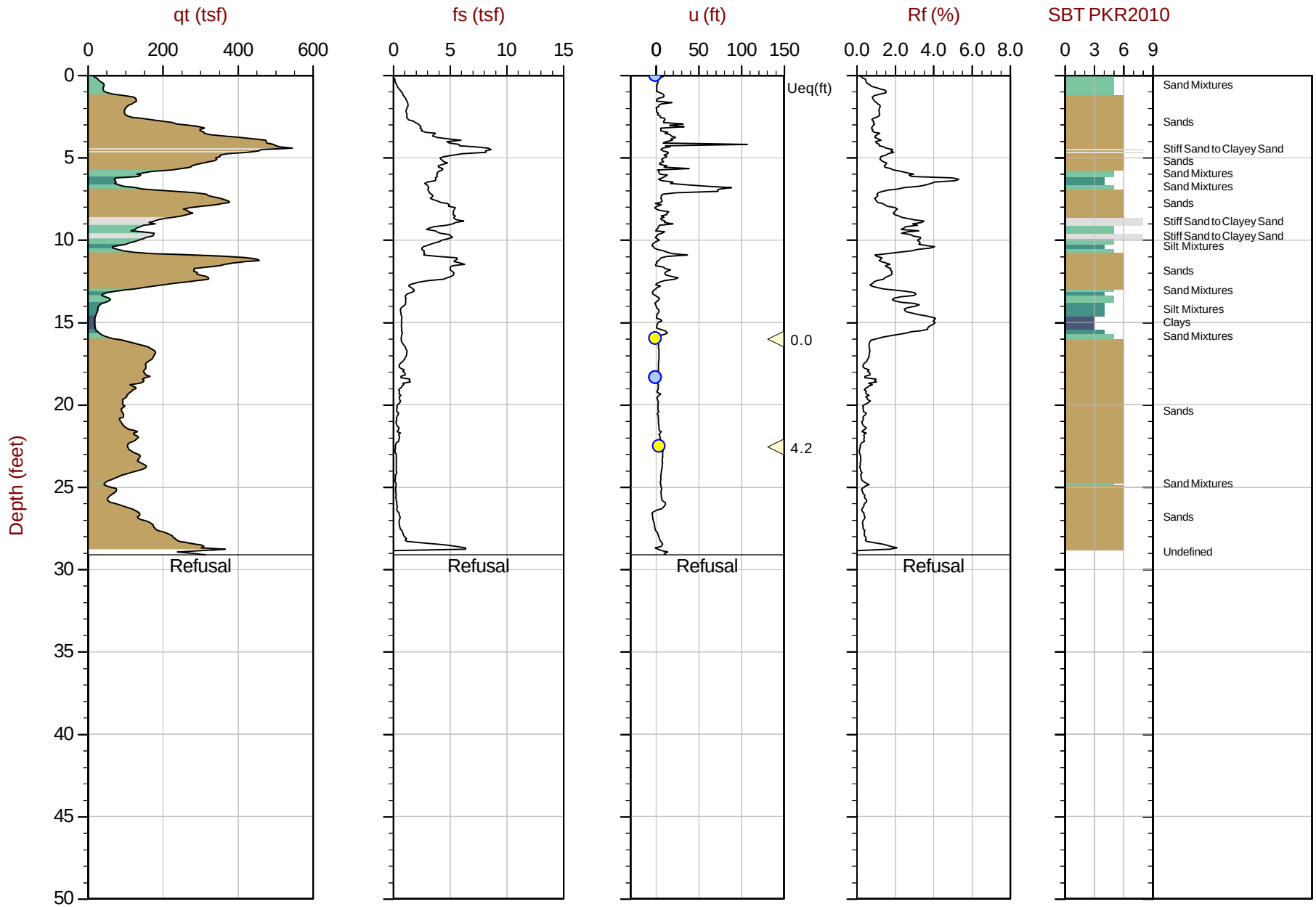
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

AECOM

Job No: 23-52-25874
Date: 2023-06-05 10:48
Site: Las Animas Levee

Sounding: CPT-46
Cone: 825:T1500F15U35



Max Depth: 8.875 m / 29.12 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 23-52-25874_CP46.COR

SBT: Robertson, 2010 (CPT '10)
Coords: Lat: 38.075770 Long: -103.253061
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved

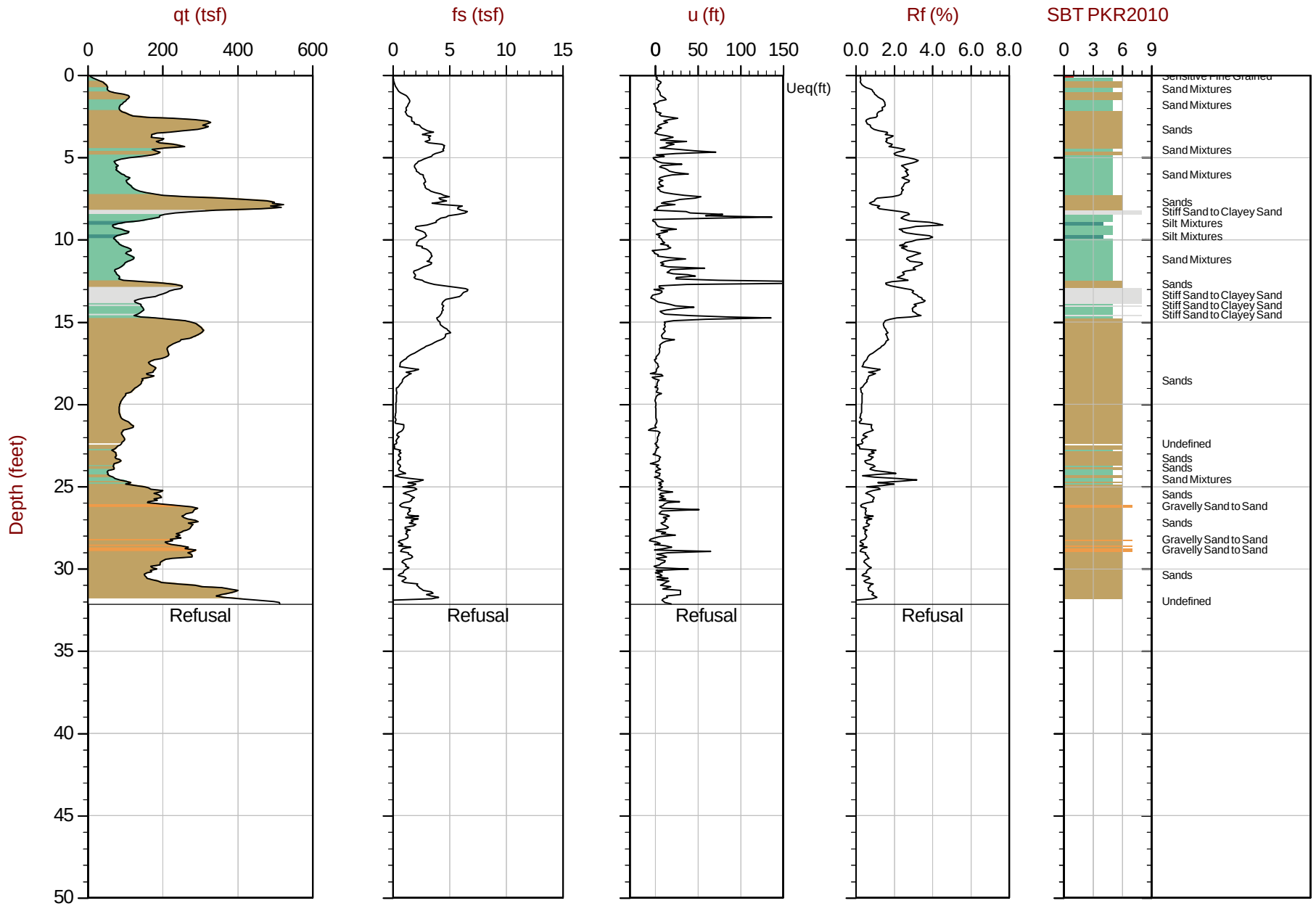
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

AECOM

Job No: 23-52-25874
Date: 2023-06-05 08:35
Site: Las Animas Levee

Sounding: CPT-47
Cone: 825:T1500F15U35



Max Depth: 9.800 m / 32.15 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 23-52-25874_CP47.COR

SBT: Robertson, 2010 (CPT '10)
Coords: Lat: 38.075861 Long: -103.249594
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved

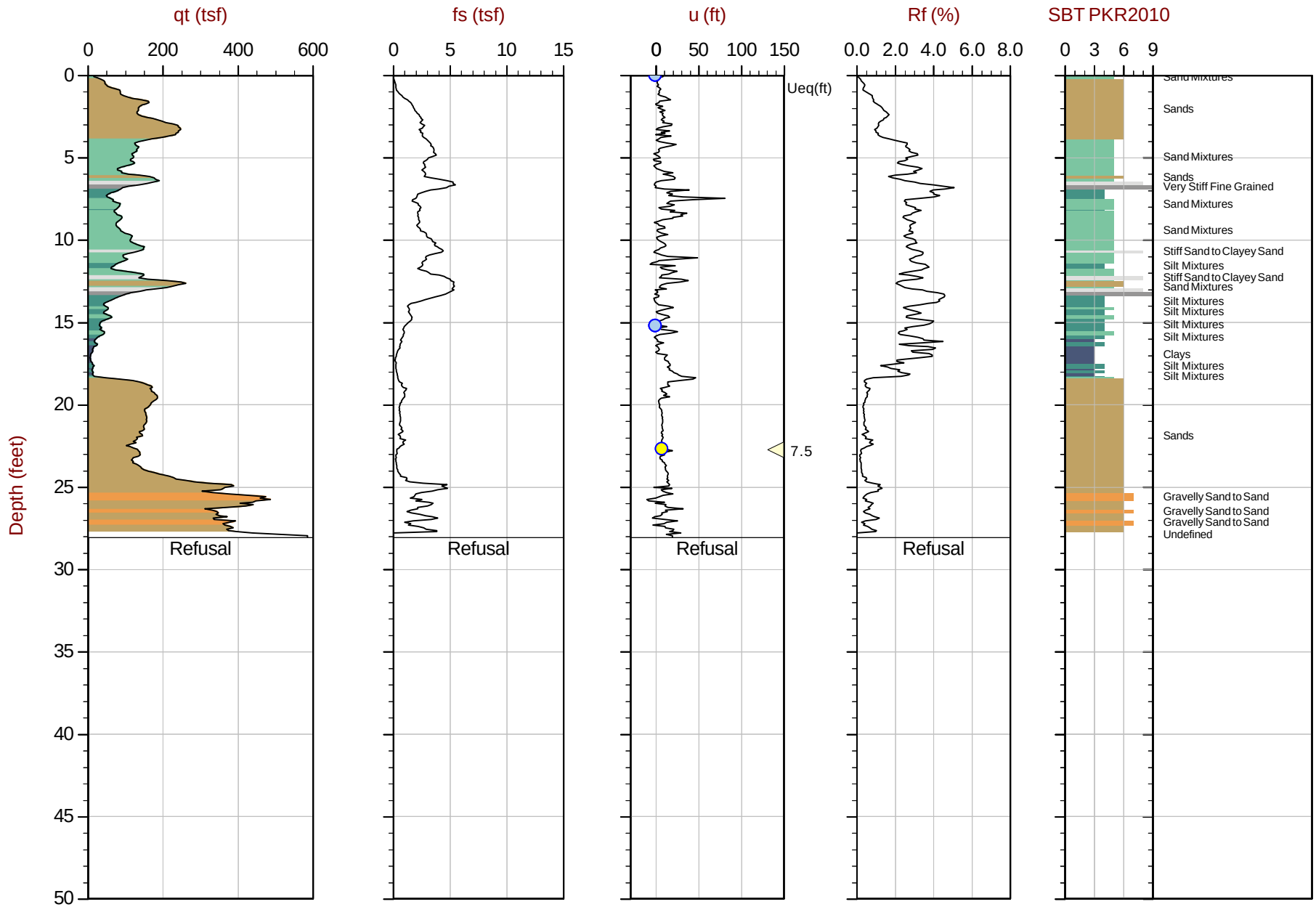
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

AECOM

Job No: 23-52-25874
Date: 2023-06-05 07:56
Site: Las Animas Levee

Sounding: CPT-48
Cone: 825:T1500F15U35



Max Depth: 8.550 m / 28.05 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 23-52-25874_CP48.COR

SBT: Robertson, 2010 (CPT '10)
Coords: Lat: 38.075998 Long: -103.246119
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved

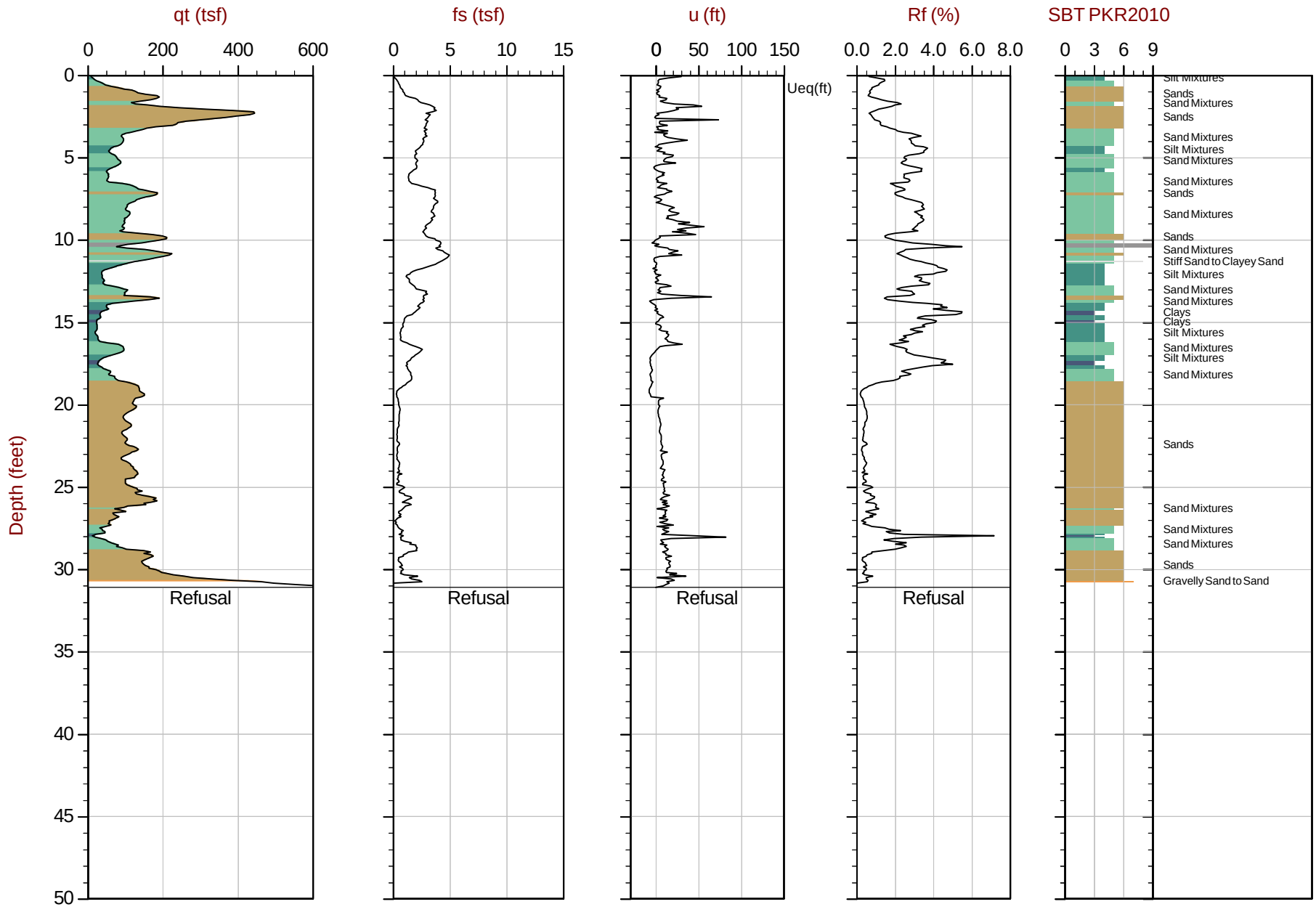
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

AECOM

Job No: 23-52-25874
Date: 2023-06-05 06:57
Site: Las Animas Levee

Sounding: CPT-49
Cone: 825:T1500F15U35



Max Depth: 9.475 m / 31.09 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 23-52-25874_CP49.COR

SBT: Robertson, 2010 (CPT '10)
Coords: Lat: 38.076066 Long: -103.243570
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved

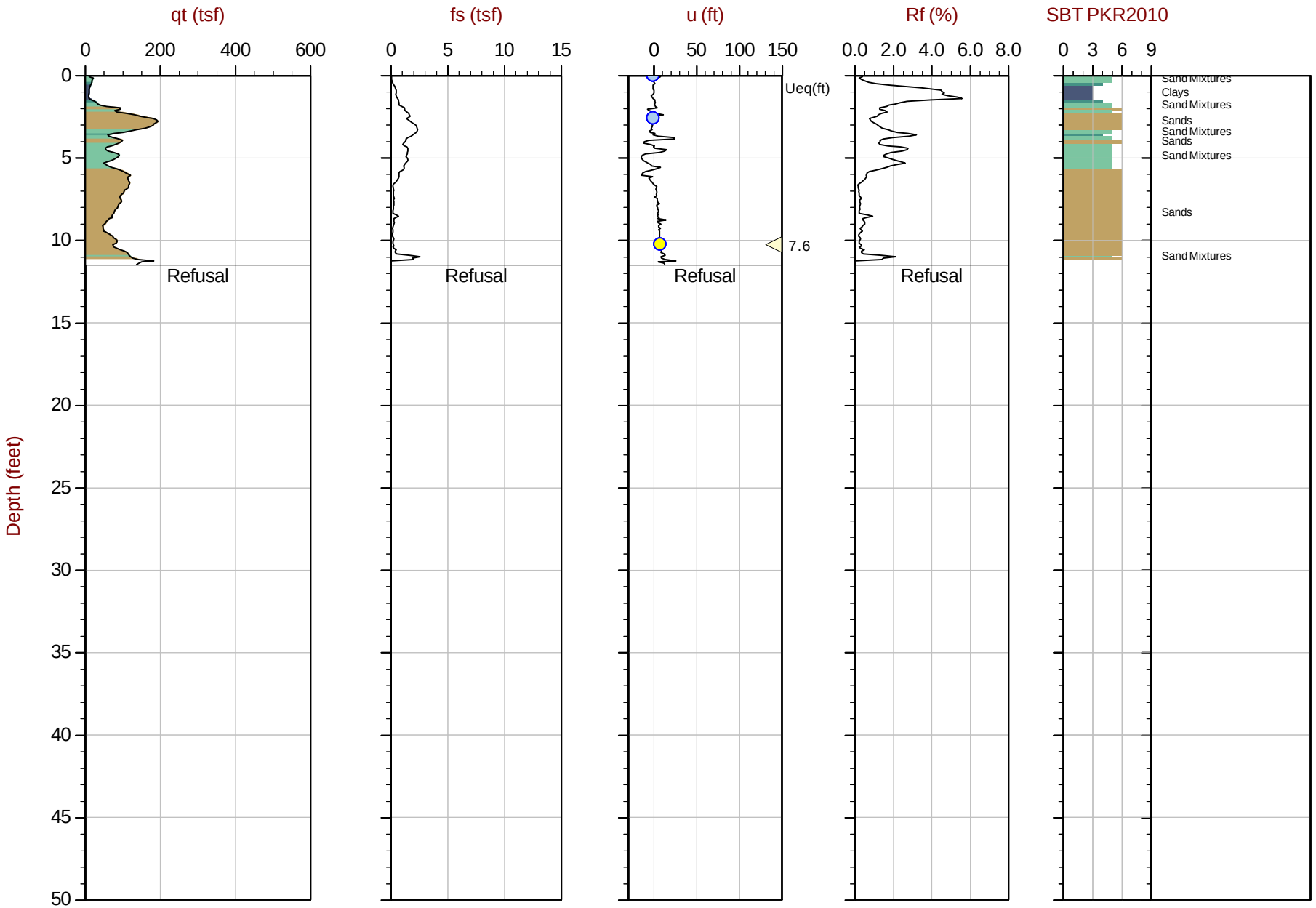
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

AECOM

Job No: 23-52-25874
Date: 2023-06-05 09:51
Site: Las Animas Levee

Sounding: CPT-50
Cone: 825:T1500F15U35



Max Depth: 3.500 m / 11.48 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 23-52-25874_CP50.COR

SBT: Robertson, 2010 (CPT '10)
Coords: Lat: 38.075757 Long: -103.243590
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved

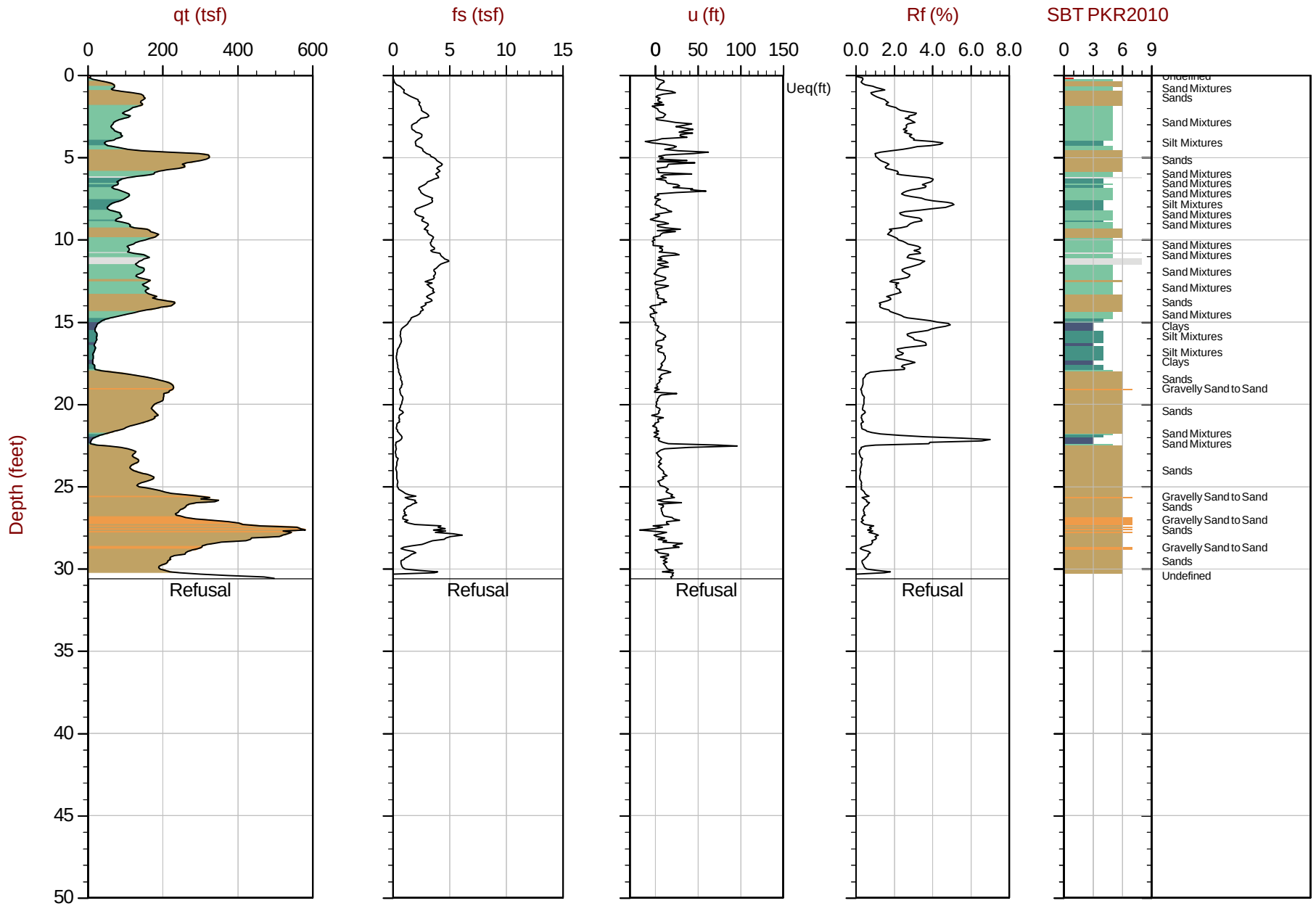
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

AECOM

Job No: 23-52-25874
Date: 2023-06-05 06:15
Site: Las Animas Levee

Sounding: CPT-51
Cone: 825:T1500F15U35



Max Depth: 9.325 m / 30.59 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 23-52-25874_CP51.COR

SBT: Robertson, 2010 (CPT '10)
Coords: Lat: 38.076160 Long: -103.240935
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved

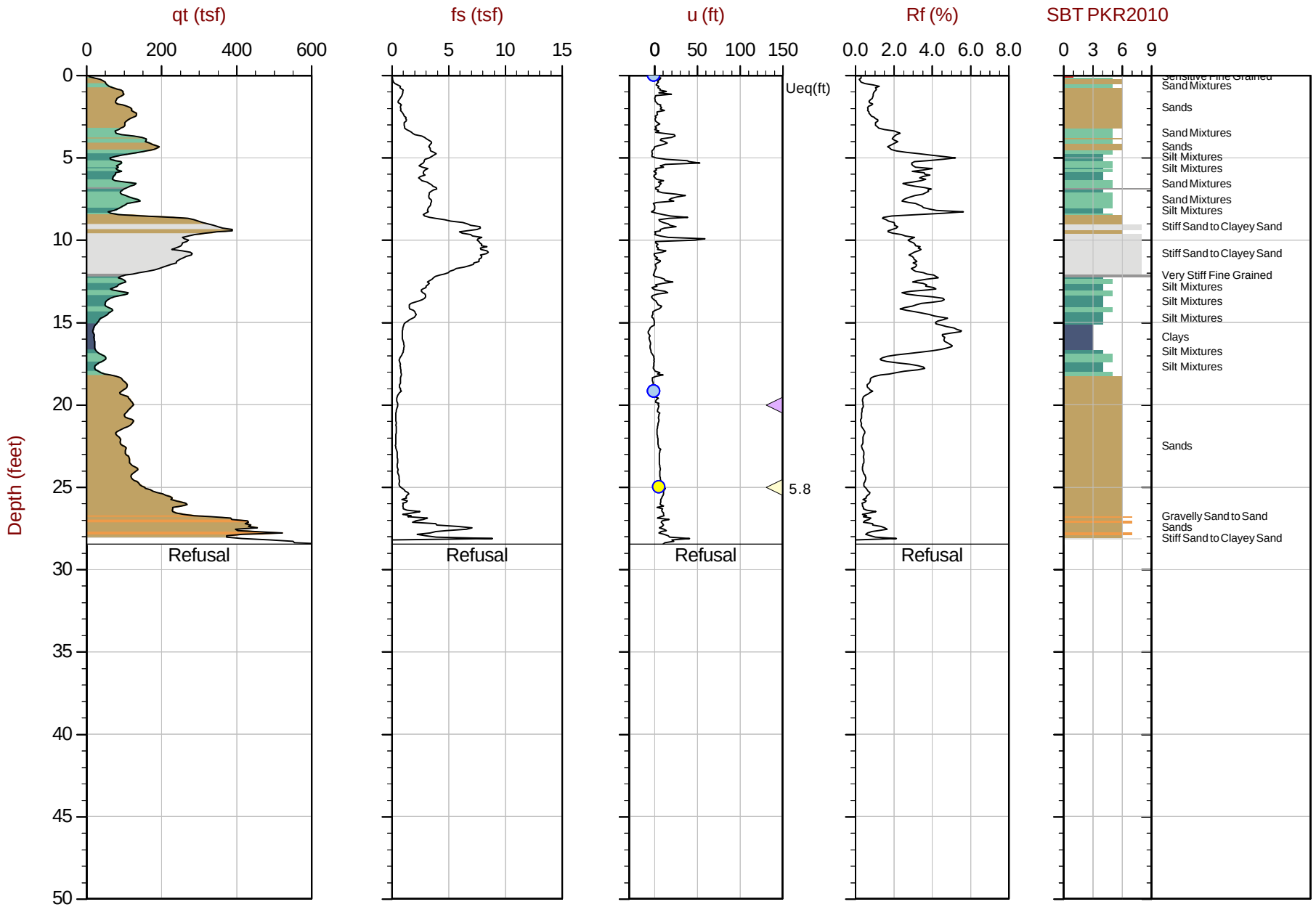
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

AECOM

Job No: 23-52-25874
Date: 2023-06-04 13:12
Site: Las Animas Levee

Sounding: CPT-52
Cone: 825:T1500F15U35



Max Depth: 8.675 m / 28.46 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 23-52-25874_CP52.COR

SBT: Robertson, 2010 (CPT '10)
Coords: Lat: 38.076297 Long: -103.237495
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved

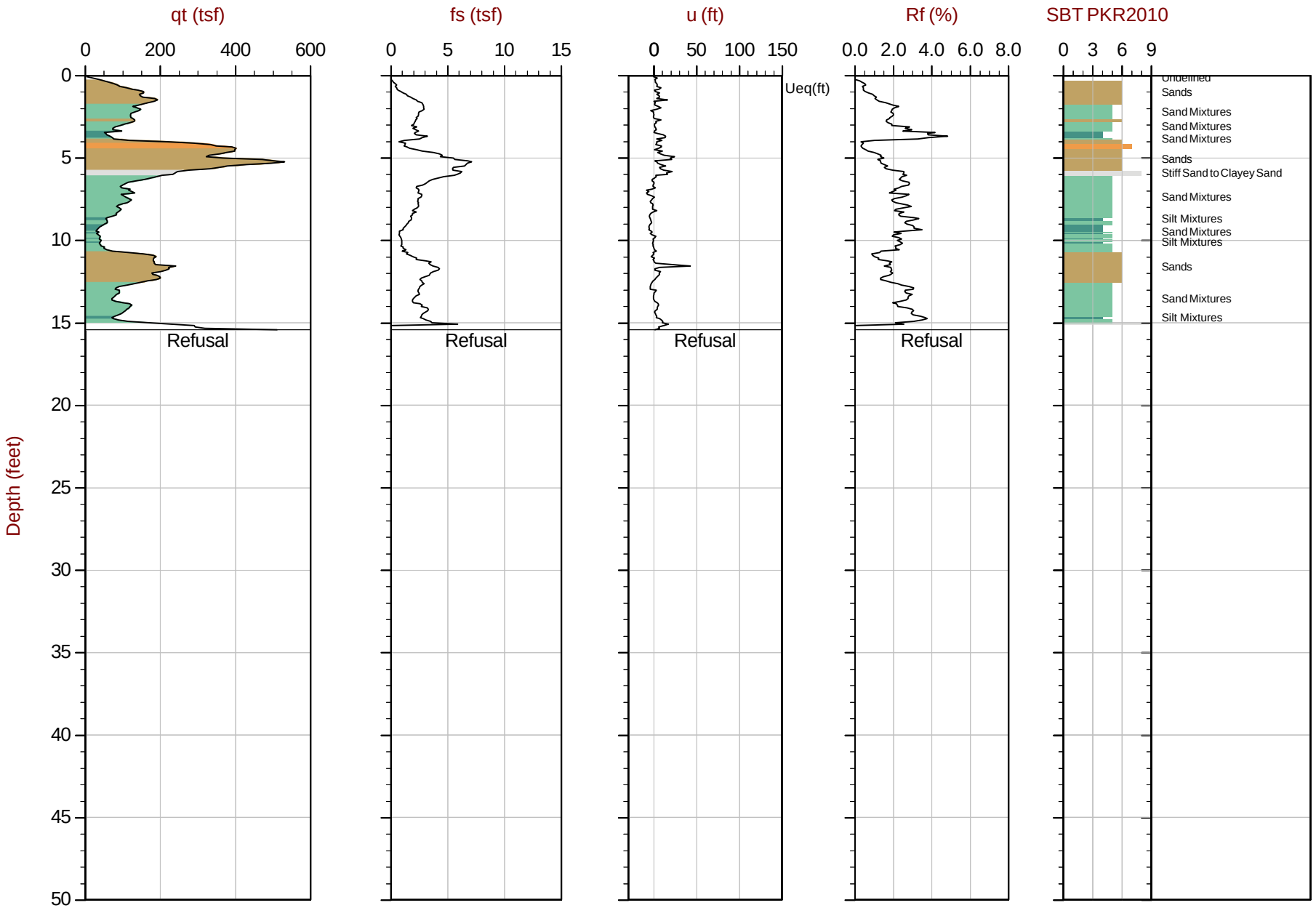
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

AECOM

Job No: 23-52-25874
Date: 2023-06-04 11:12
Site: Las Animas Levee

Sounding: CPT-53
Cone: 825:T1500F15U35



Max Depth: 4.700 m / 15.42 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 23-52-25874_CP53.COR

SBT: Robertson, 2010 (CPT '10)
Coords: Lat: 38.076448 Long: -103.233984
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved

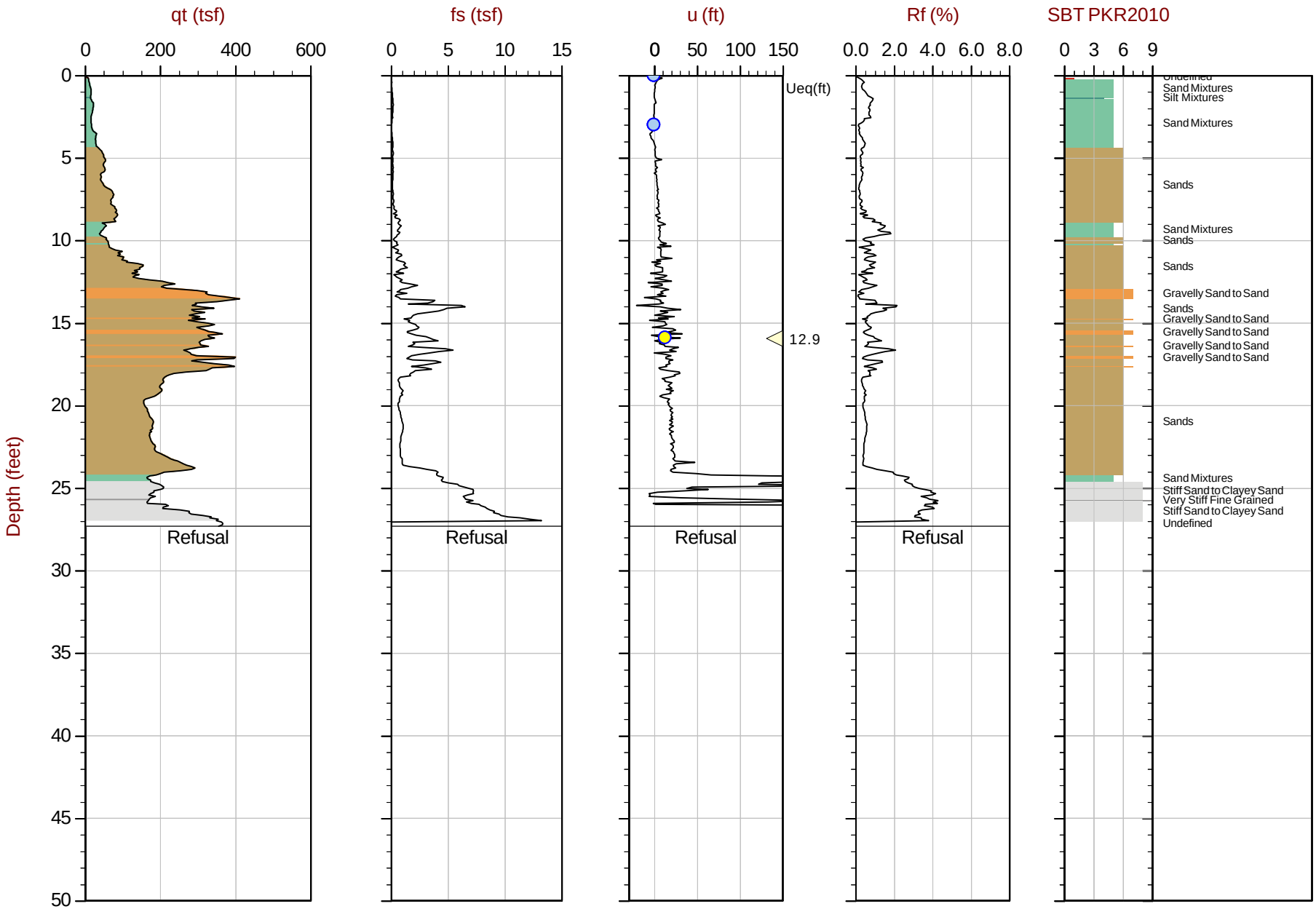
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

AECOM

Job No: 23-52-25874
Date: 2023-06-04 11:59
Site: Las Animas Levee

Sounding: CPT-54
Cone: 825:T1500F15U35



Max Depth: 8.325 m / 27.31 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 23-52-25874_CP54.COR

SBT: Robertson, 2010 (CPT '10)
Coords: Lat: 38.077160 Long: -103.232488
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved

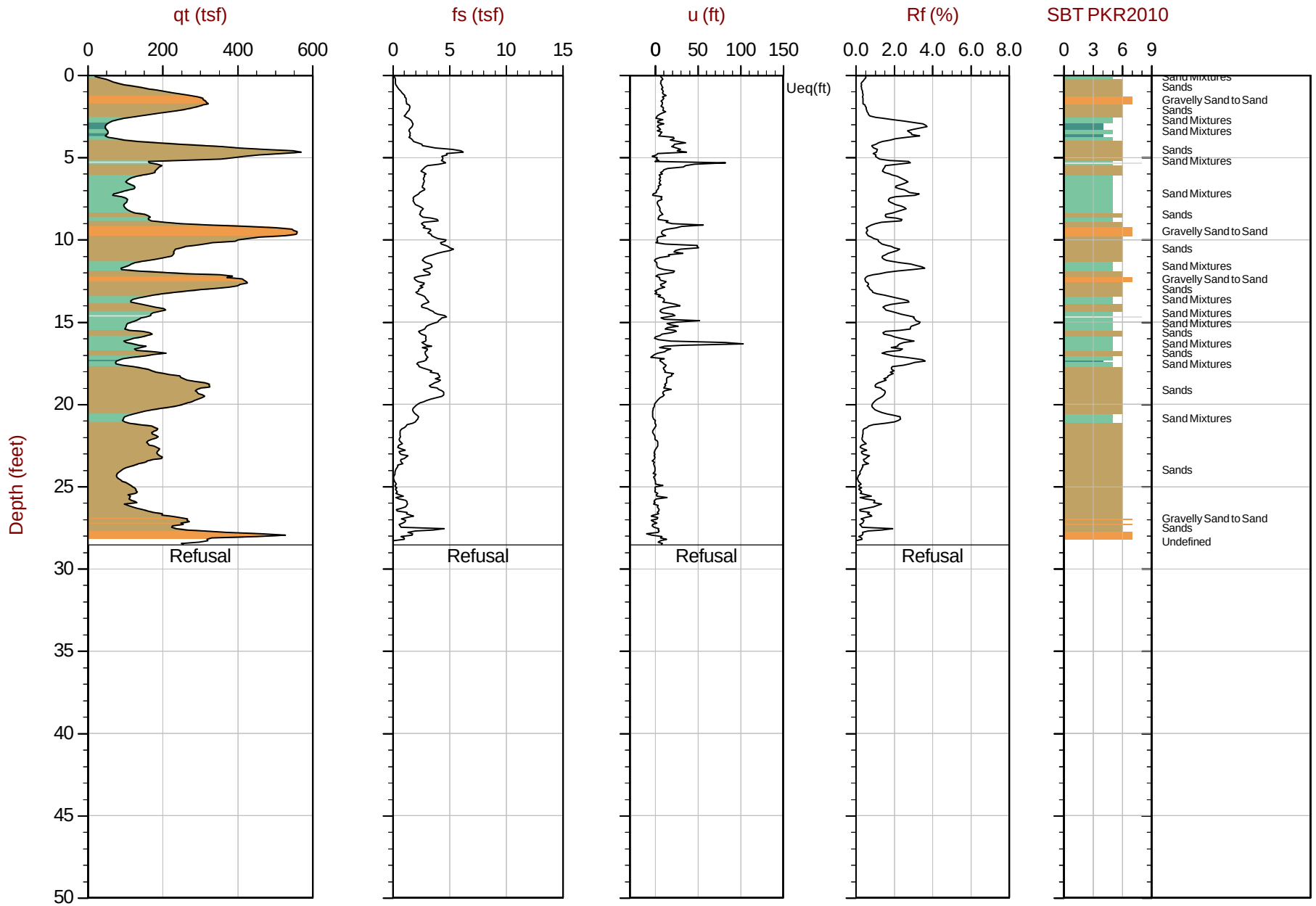
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

AECOM

Job No: 23-52-25874
Date: 2023-06-03 13:36
Site: Las Animas Levee

Sounding: CPT-55
Cone: 825:T1500F15U35



Max Depth: 8.700 m / 28.54 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 23-52-25874_CP55.COR

SBT: Robertson, 2010 (CPT '10)
Coords: Lat: 38.076802 Long: -103.232388
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved

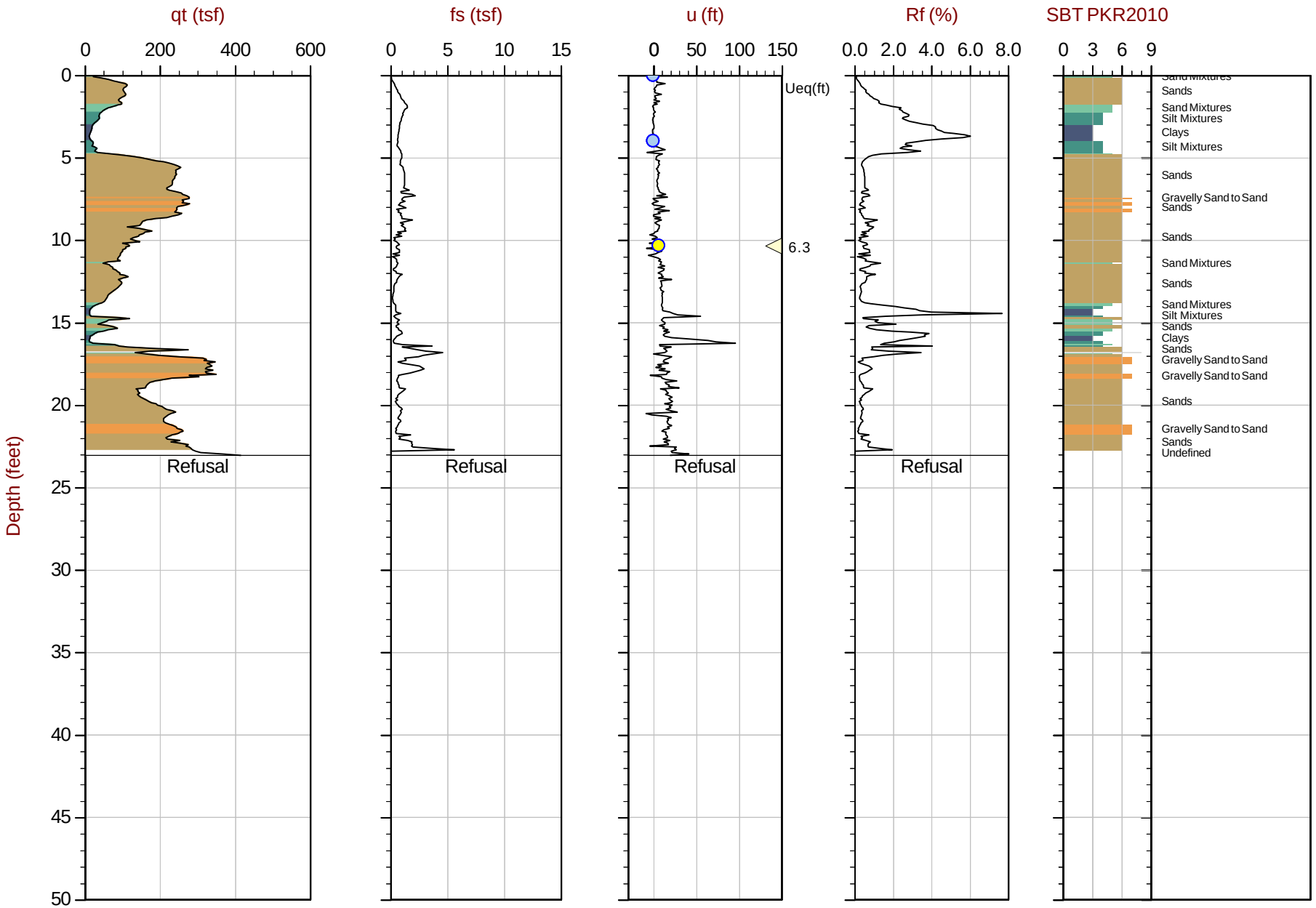
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

AECOM

Job No: 23-52-25874
Date: 2023-06-04 09:48
Site: Las Animas Levee

Sounding: CPT-56
Cone: 825:T1500F15U35



Max Depth: 7.025 m / 23.05 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 23-52-25874_CP56.COR

SBT: Robertson, 2010 (CPT '10)
Coords: Lat: 38.076875 Long: -103.231463
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved

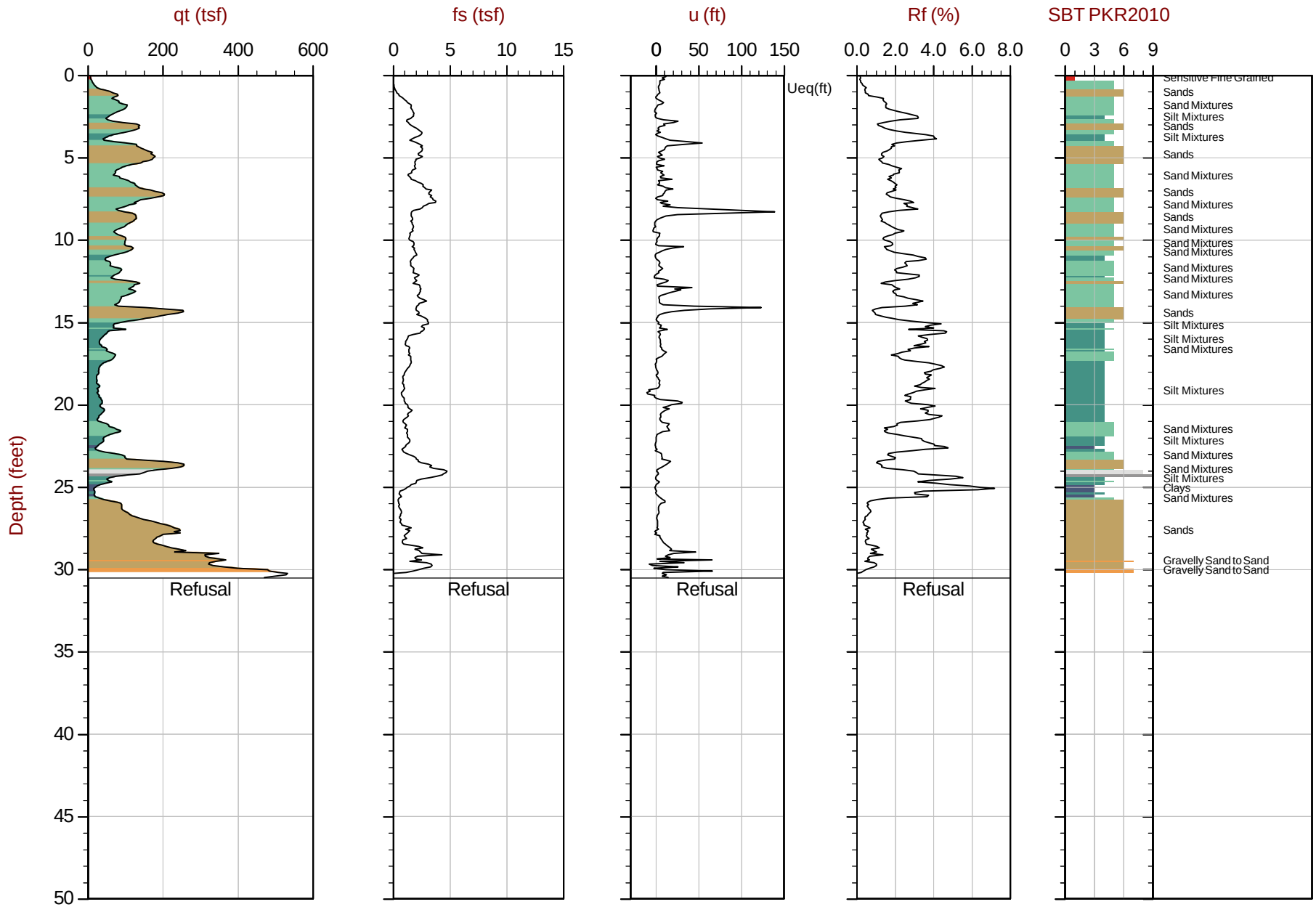
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

AECOM

Job No: 23-52-25874
Date: 2023-06-03 14:24
Site: Las Animas Levee

Sounding: CPT-57
Cone: 825:T1500F15U35



Max Depth: 9.300 m / 30.51 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 23-52-25874_CP57.COR

SBT: Robertson, 2010 (CPT '10)
Coords: Lat: 38.077270 Long: -103.230753
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved

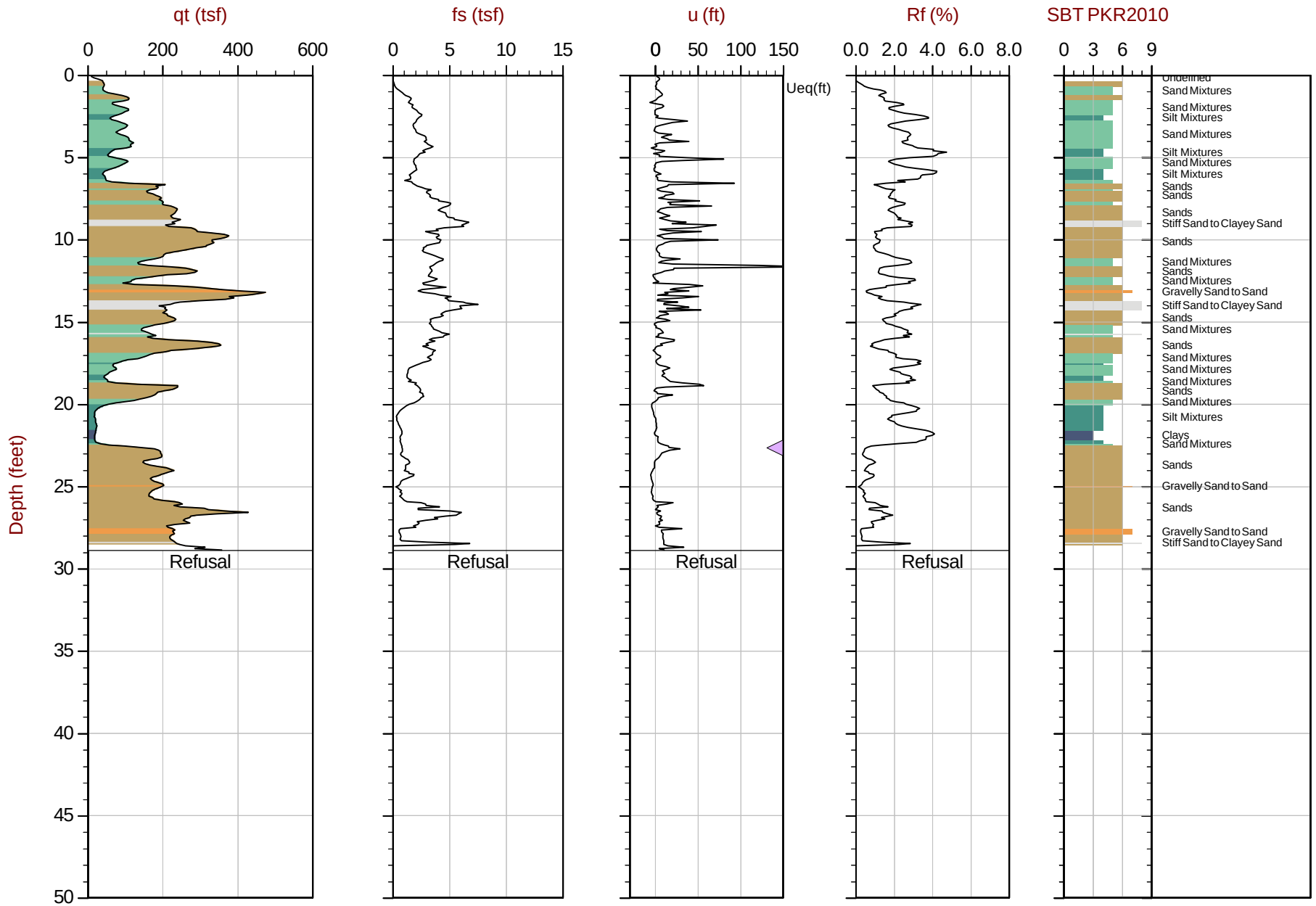
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

AECOM

Job No: 23-52-25874
Date: 2023-06-03 15:04
Site: Las Animas Levee

Sounding: CPT-58
Cone: 825:T1500F15U35



Max Depth: 8.800 m / 28.87 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 23-52-25874_CP58.COR

SBT: Robertson, 2010 (CPT '10)
Coords: Lat: 38.077742 Long: -103.229107
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved

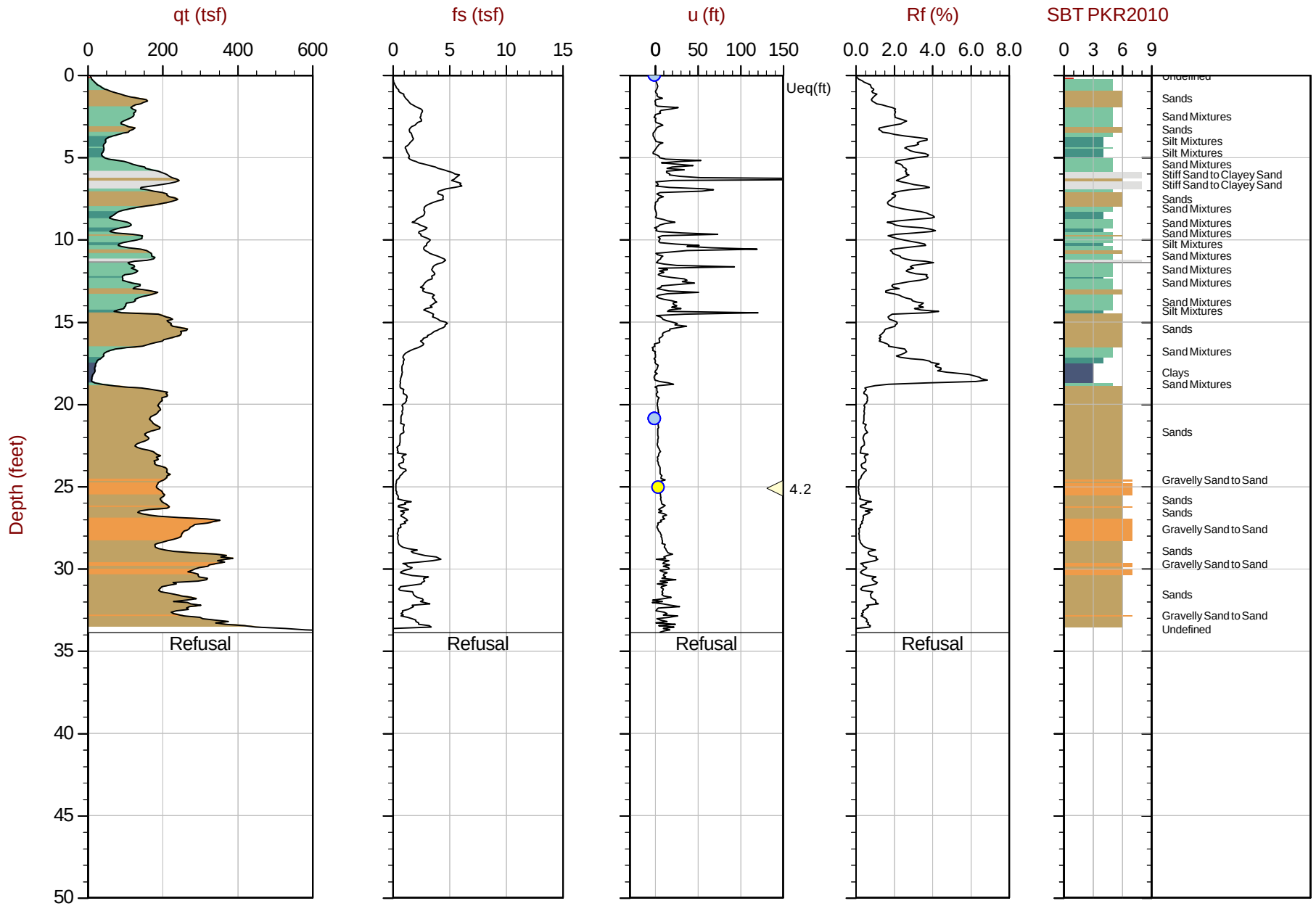
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

AECOM

Job No: 23-52-25874
Date: 2023-06-04 06:11
Site: Las Animas Levee

Sounding: CPT-59
Cone: 825:T1500F15U35



Max Depth: 10.325 m / 33.87 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 23-52-25874_CP59.COR

SBT: Robertson, 2010 (CPT '10)
Coords: Lat: 38.078406 Long: -103.226640
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved

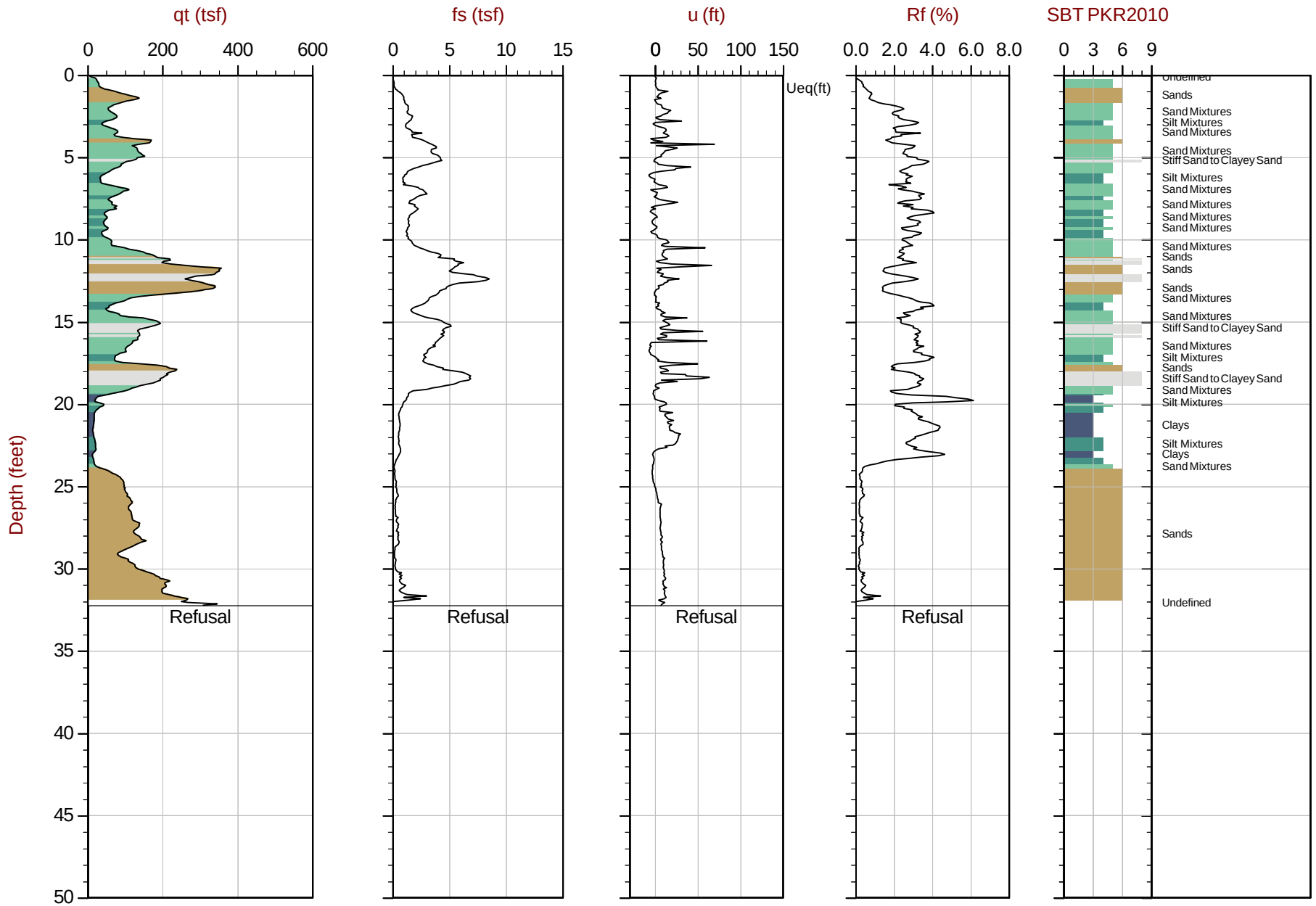
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

AECOM

Job No: 23-52-25874
Date: 2023-06-04 07:13
Site: Las Animas Levee

Sounding: CPT-60
Cone: 825:T1500F15U35



Max Depth: 9.825 m / 32.23 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 23-52-25874_CP60.COR

SBT: Robertson, 2010 (CPT '10)
Coords: Lat: 38.079091 Long: -103.224201
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved

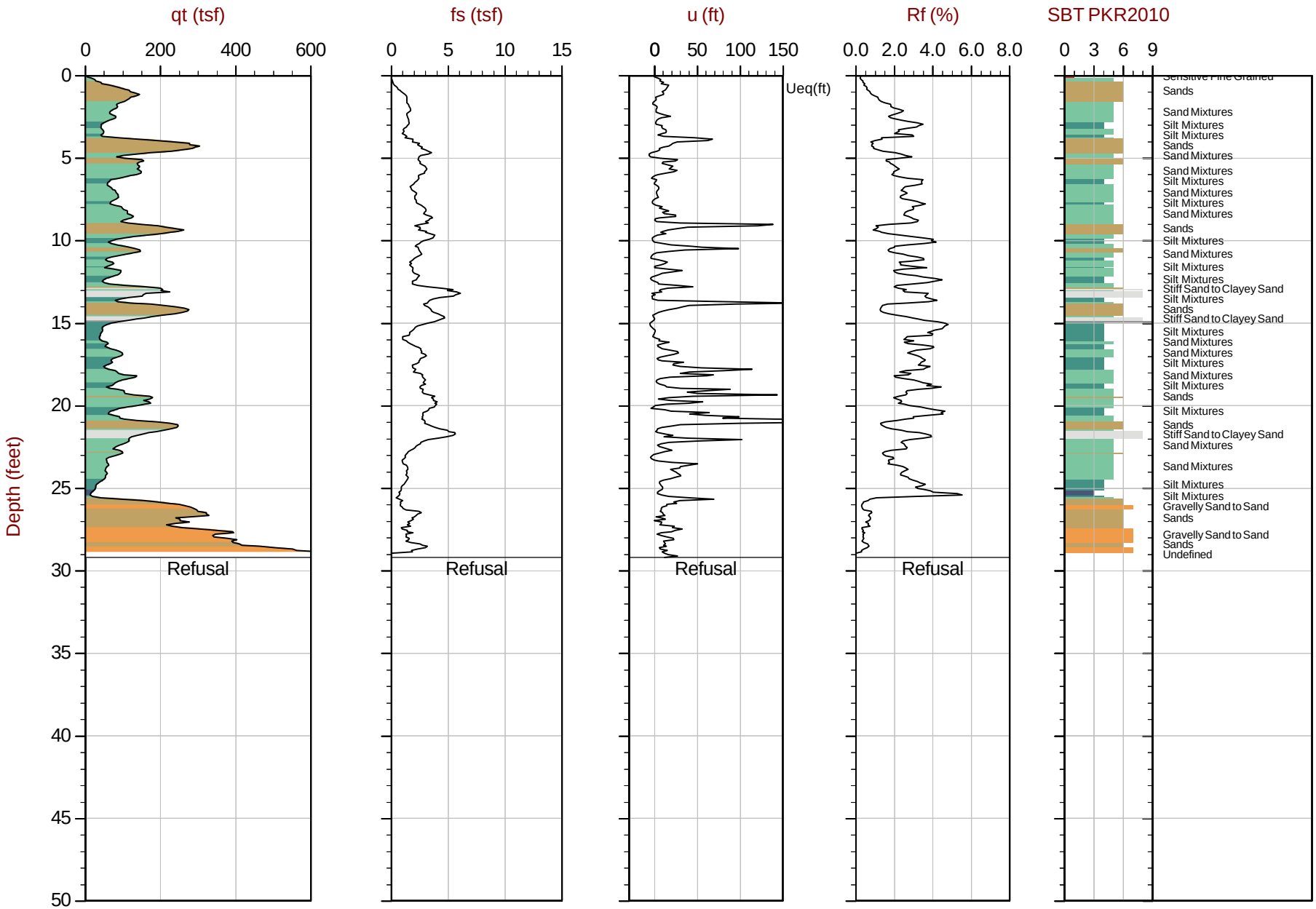
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

AECOM

Job No: 23-52-25874
Date: 2023-06-04 08:14
Site: Las Animas Levee

Sounding: CPT-63
Cone: 825:T1500F15U35



Max Depth: 8.900 m / 29.20 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 23-52-25874_CP63.COR

SBT: Robertson, 2010 (CPT '10)
Coords: Lat: 38.079630 Long: -103.222236
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved

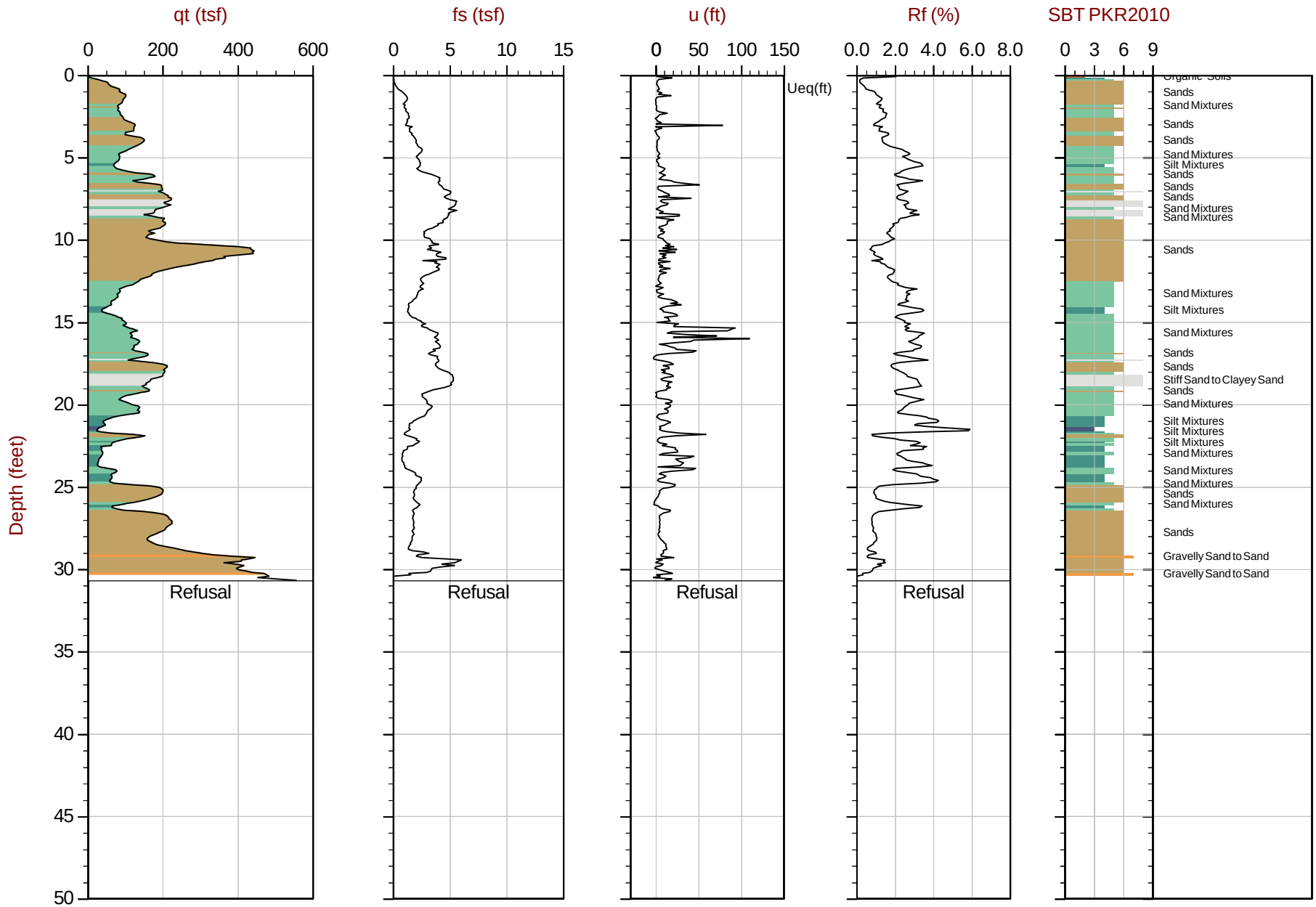
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

AECOM

Job No: 23-52-25874
Date: 2023-06-04 08:57
Site: Las Animas Levee

Sounding: CPT-64
Cone: 825:T1500F15U35



Max Depth: 9.350 m / 30.68 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 23-52-25874_CP64.COR

SBT: Robertson, 2010 (CPT '10)
Coords: Lat: 38.080009 Long: -103.220923
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved

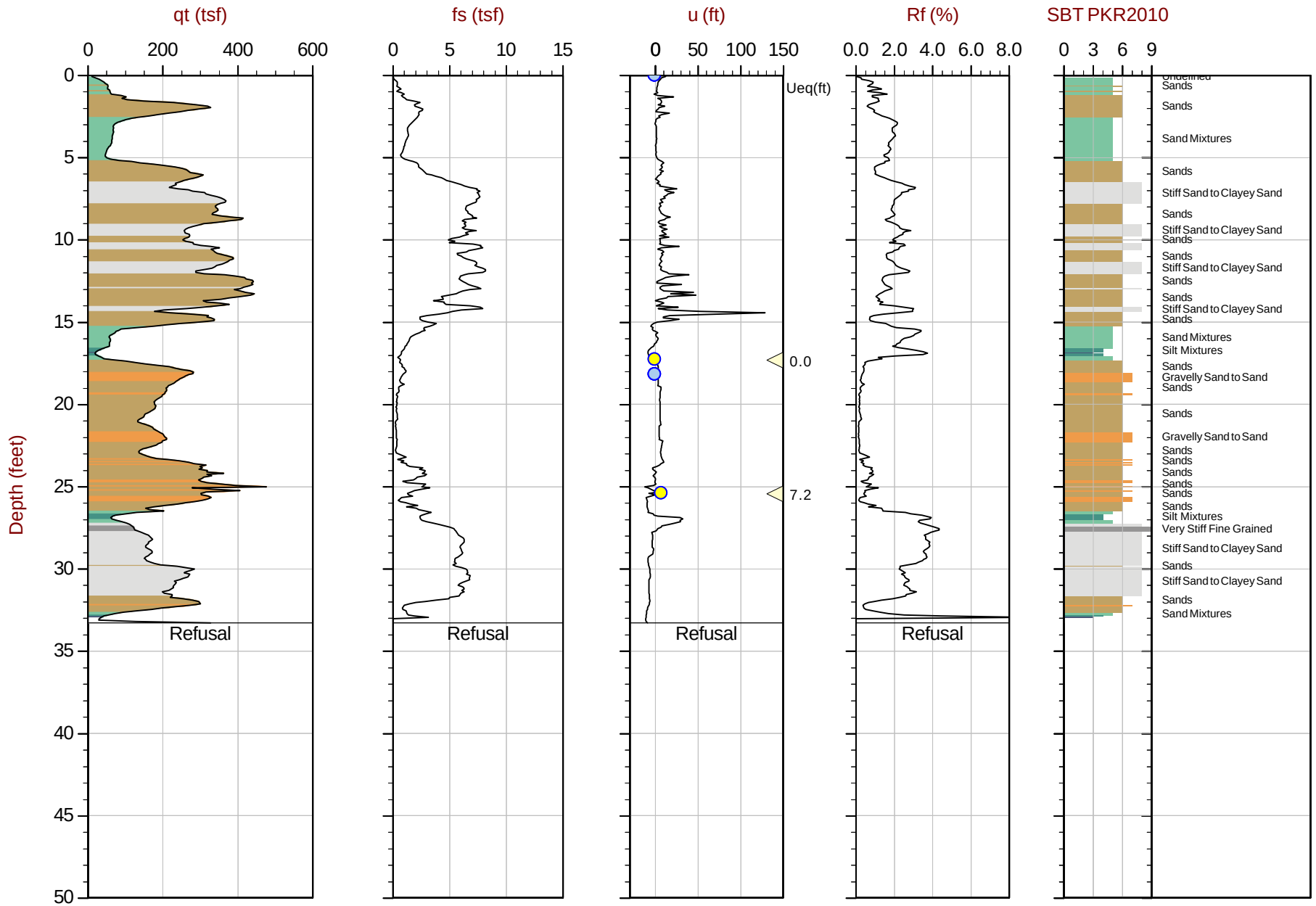
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

AECOM

Job No: 23-52-25874
Date: 2023-06-03 08:34
Site: Las Animas Levee

Sounding: CPT-65
Cone: 825:T1500F15U35



Max Depth: 10.150 m / 33.30 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 23-52-25874_CP65.COR

SBT: Robertson, 2010 (CPT '10)
Coords: Lat: 38.080393 Long: -103.218994
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved

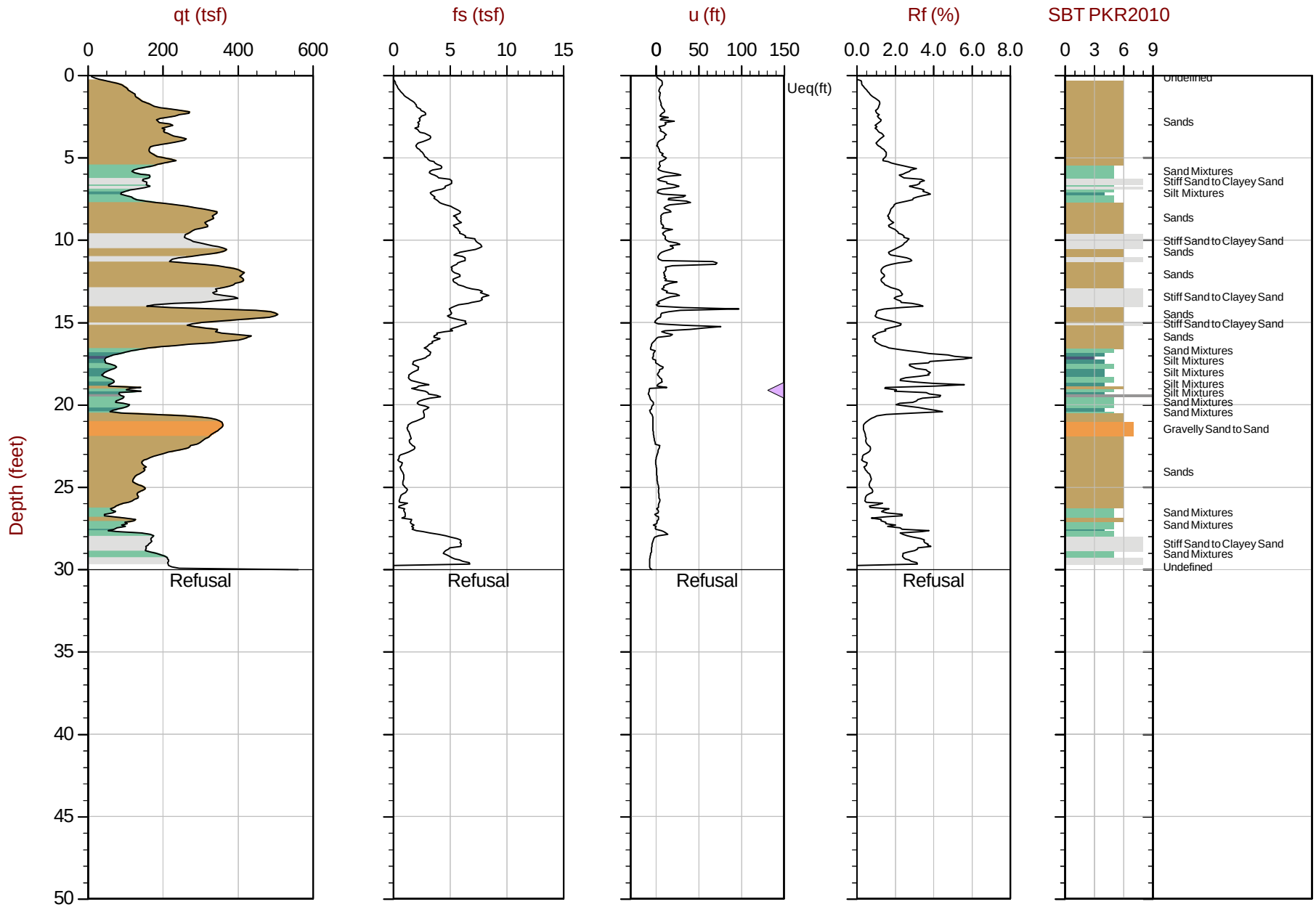
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

AECOM

Job No: 23-52-25874
Date: 2023-06-03 07:25
Site: Las Animas Levee

Sounding: CPT-66
Cone: 825:T1500F15U35



Max Depth: 9.150 m / 30.02 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 23-52-25874_CP66.COR

SBT: Robertson, 2010 (CPT '10)
Coords: Lat: 38.080552 Long: -103.216624
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved

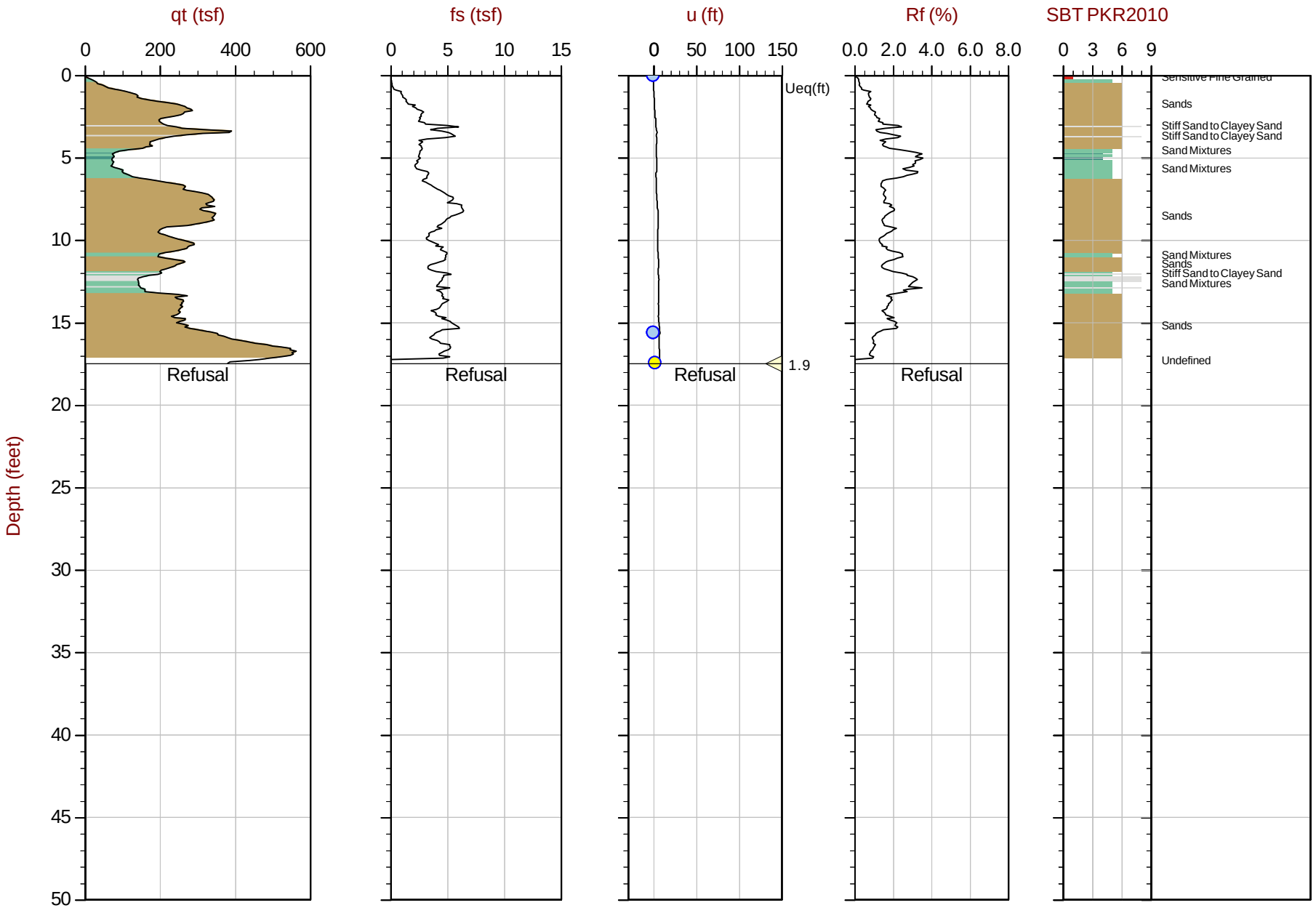
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

AECOM

Job No: 23-52-25874
Date: 2023-06-02 13:31
Site: Las Animas Levee

Sounding: CPT-67
Cone: 825:T1500F15U35



Max Depth: 5.325 m / 17.47 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 23-52-25874_CP67.COR

SBT: Robertson, 2010 (CPT '10)
Coords: Lat: 38.080595 Long: -103.213997
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved

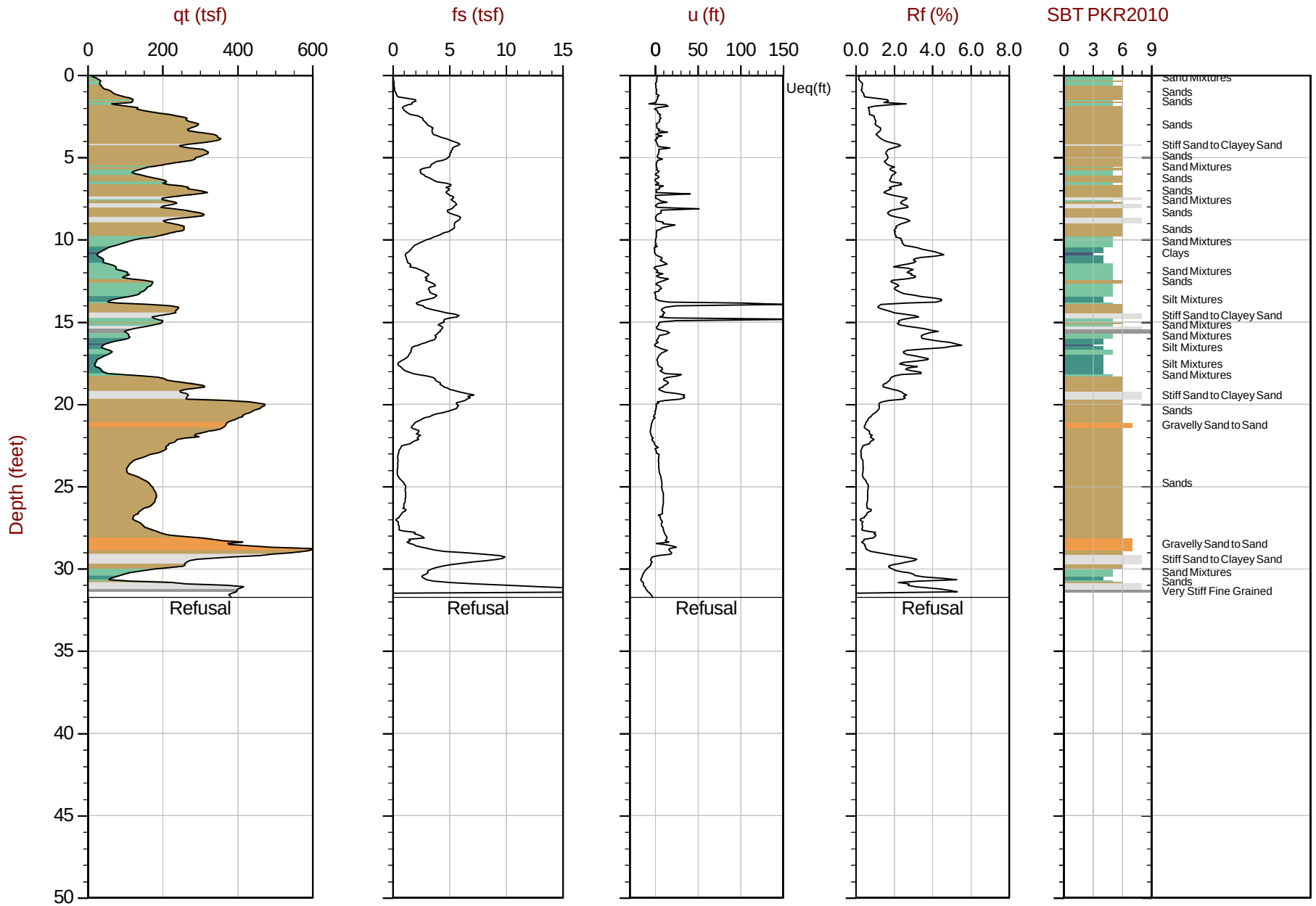
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

AECOM

Job No: 23-52-25874
Date: 2023-06-02 11:08
Site: Las Animas Levee

Sounding: CPT-68
Cone: 825:T1500F15U35



Max Depth: 9.675 m / 31.74 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 23-52-25874_CP68.COR

SBT: Robertson, 2010 (CPT '10)
Coords: Lat: 38.080620 Long: -103.211395
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved

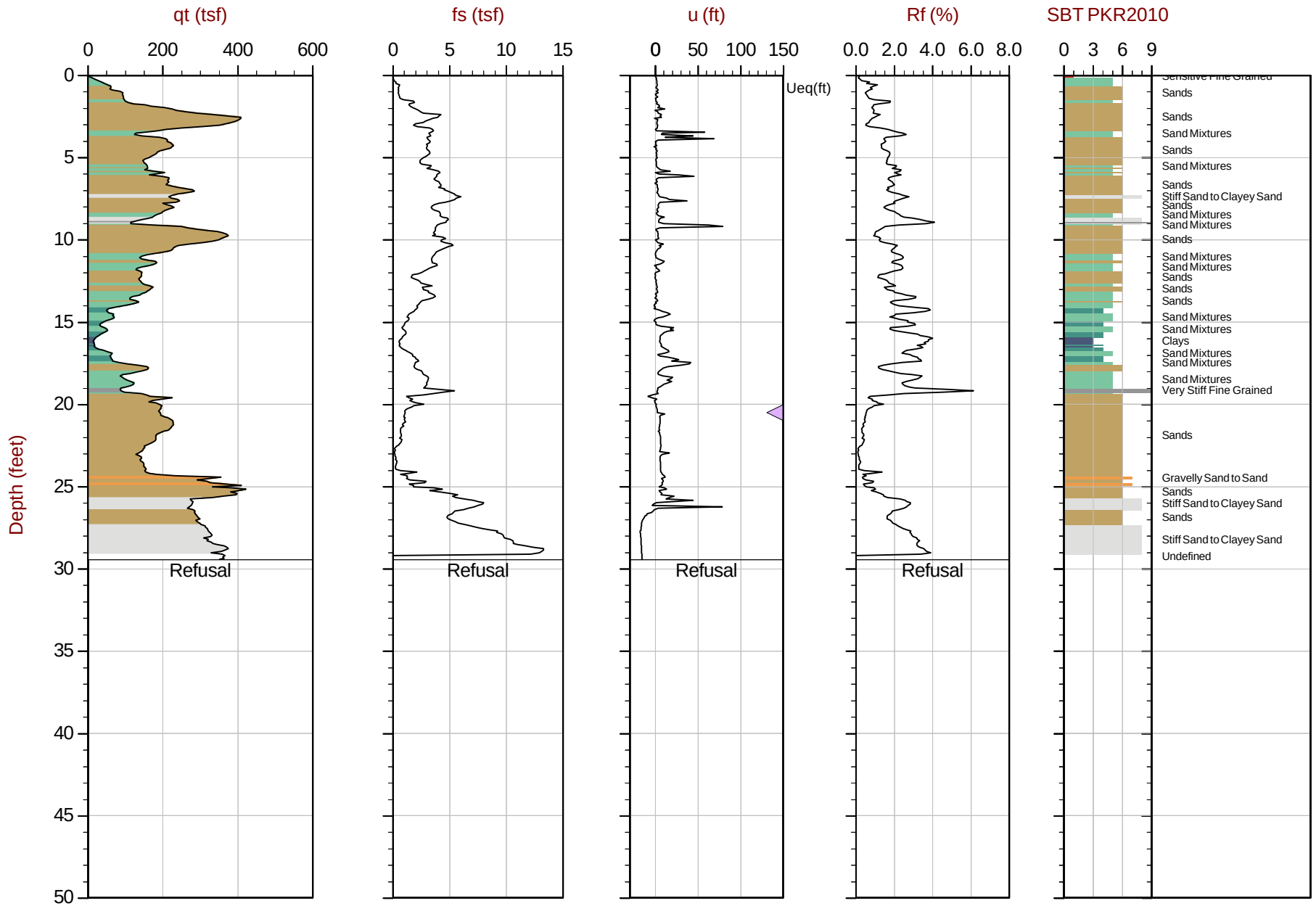
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

AECOM

Job No: 23-52-25874
Date: 2023-06-02 09:39
Site: Las Animas Levee

Sounding: CPT-69
Cone: 825:T1500F15U35



Max Depth: 8.975 m / 29.45 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 23-52-25874_CP69.COR

SBT: Robertson, 2010 (CPT '10)
Coords: Lat: 38.080600 Long: -103.207925
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved

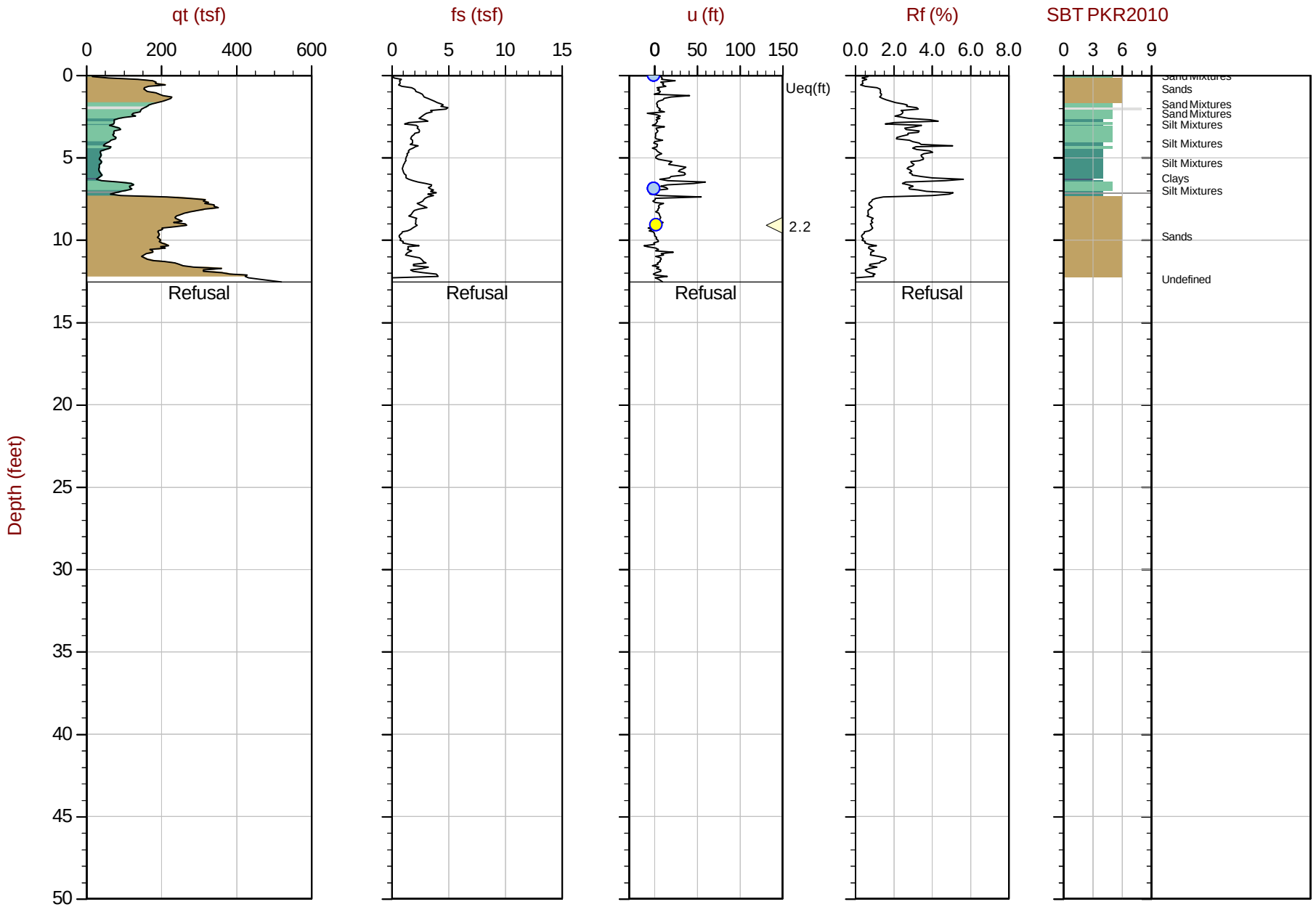
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

AECOM

Job No: 23-52-25874
Date: 2023-06-03 10:36
Site: Las Animas Levee

Sounding: CPT-70
Cone: 825:T1500F15U35



Max Depth: 3.825 m / 12.55 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 23-52-25874_CP70.COR

SBT: Robertson, 2010 (CPT '10)
Coords: Lat: 38.080097 Long: -103.205561
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved

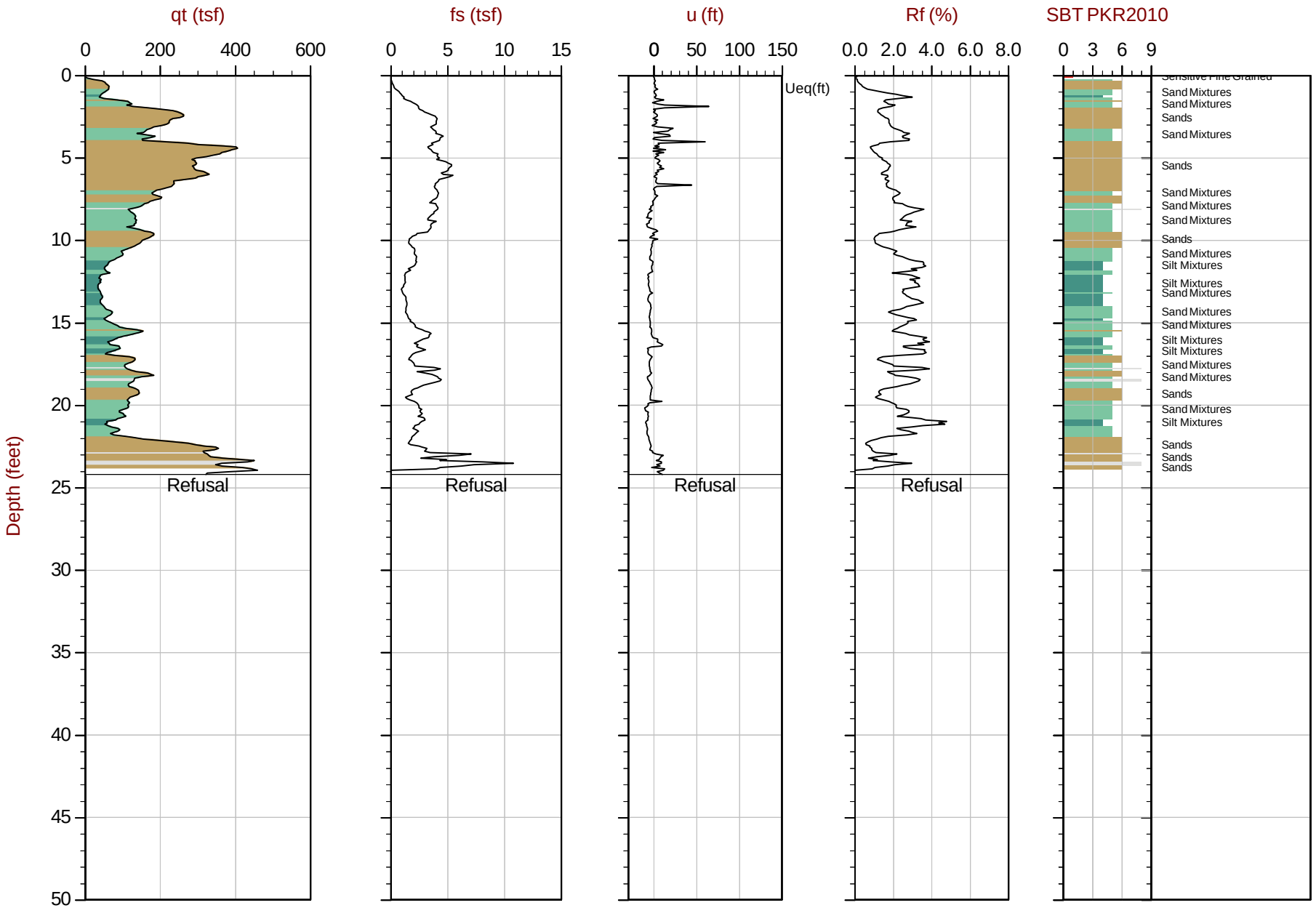
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

AECOM

Job No: 23-52-25874
Date: 2023-06-02 08:37
Site: Las Animas Levee

Sounding: CPT-71
Cone: 825:T1500F15U35



Max Depth: 7.375 m / 24.20 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 23-52-25874_CP71.COR

SBT: Robertson, 2010 (CPT '10)
Coords: Lat: 38.080240 Long: -103.205454
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved

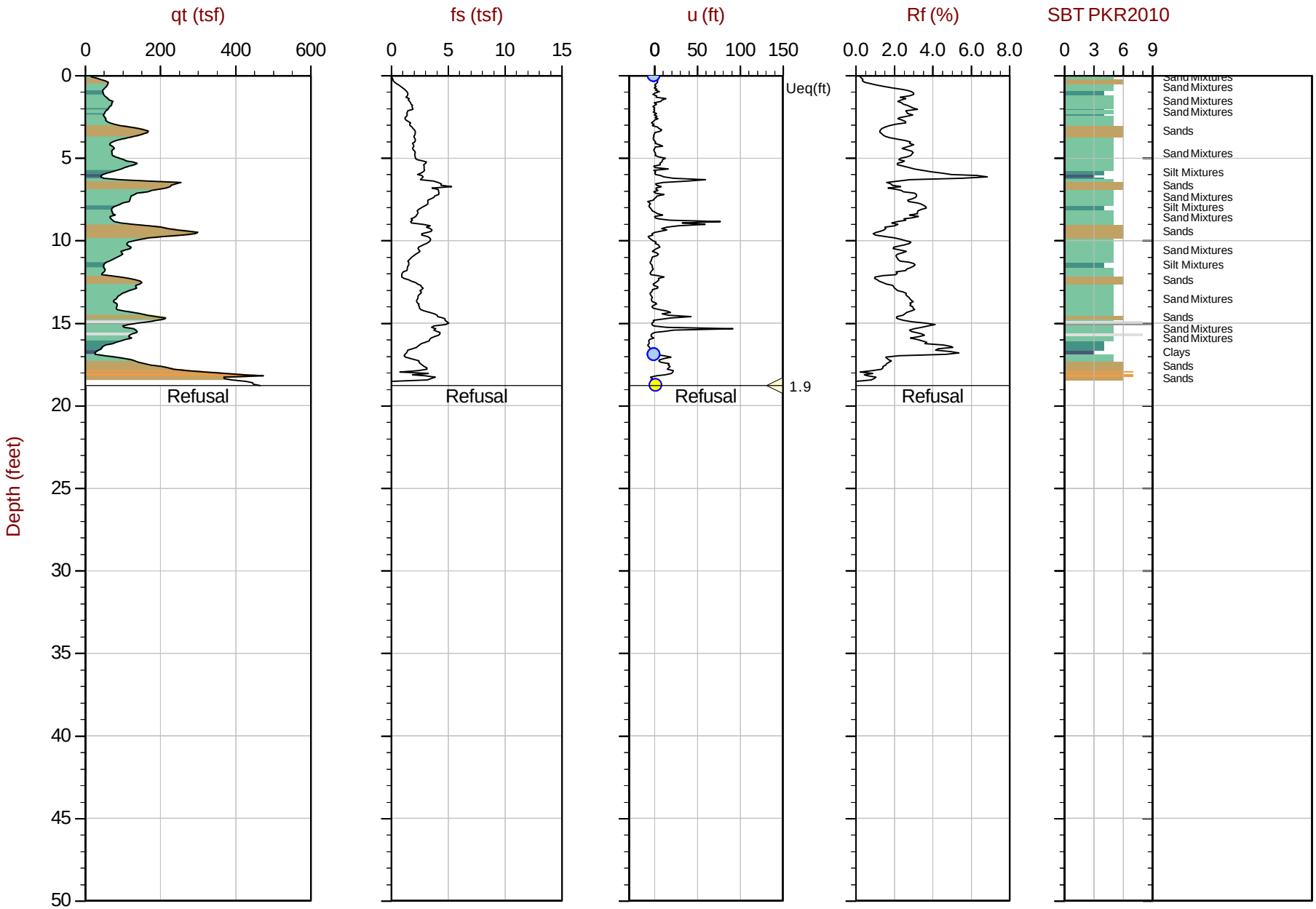
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

AECOM

Job No: 23-52-25874
Date: 2023-06-02 07:32
Site: Las Animas Levee

Sounding: CPT-72
Cone: 825:T1500F15U35



Max Depth: 5.725 m / 18.78 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 23-52-25874_CP72.COR

SBT: Robertson, 2010 (CPT '10)
Coords: Lat: 38.078493 Long: -103.202656
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved

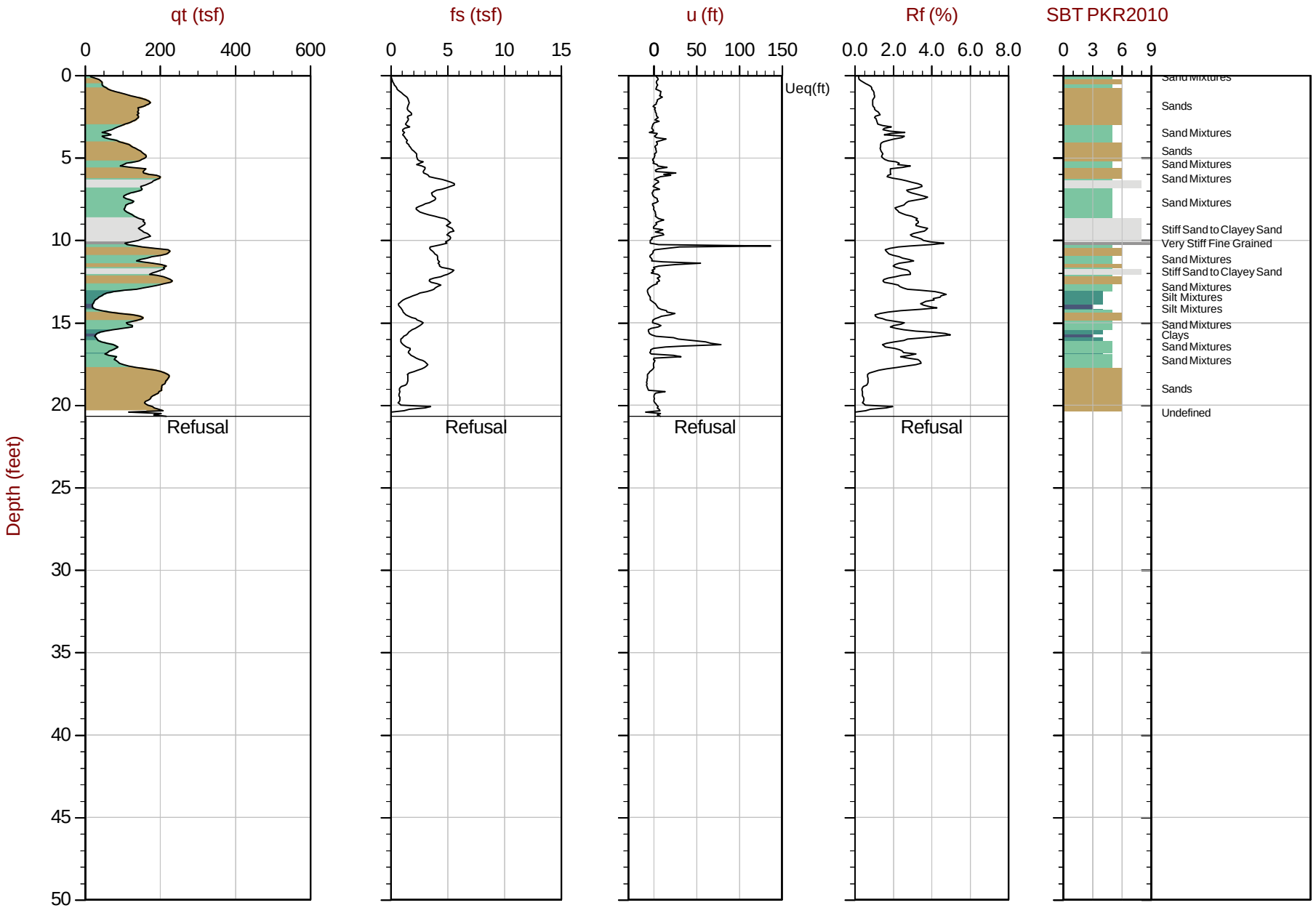
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

AECOM

Job No: 23-52-25874
Date: 2023-06-01 15:19
Site: Las Animas Levee

Sounding: CPT-73
Cone: 825:T1500F15U35



Max Depth: 6.300 m / 20.67 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 23-52-25874_CP73.COR

SBT: Robertson, 2010 (CPT '10)
Coords: Lat: 38.076752 Long: -103.200000
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved

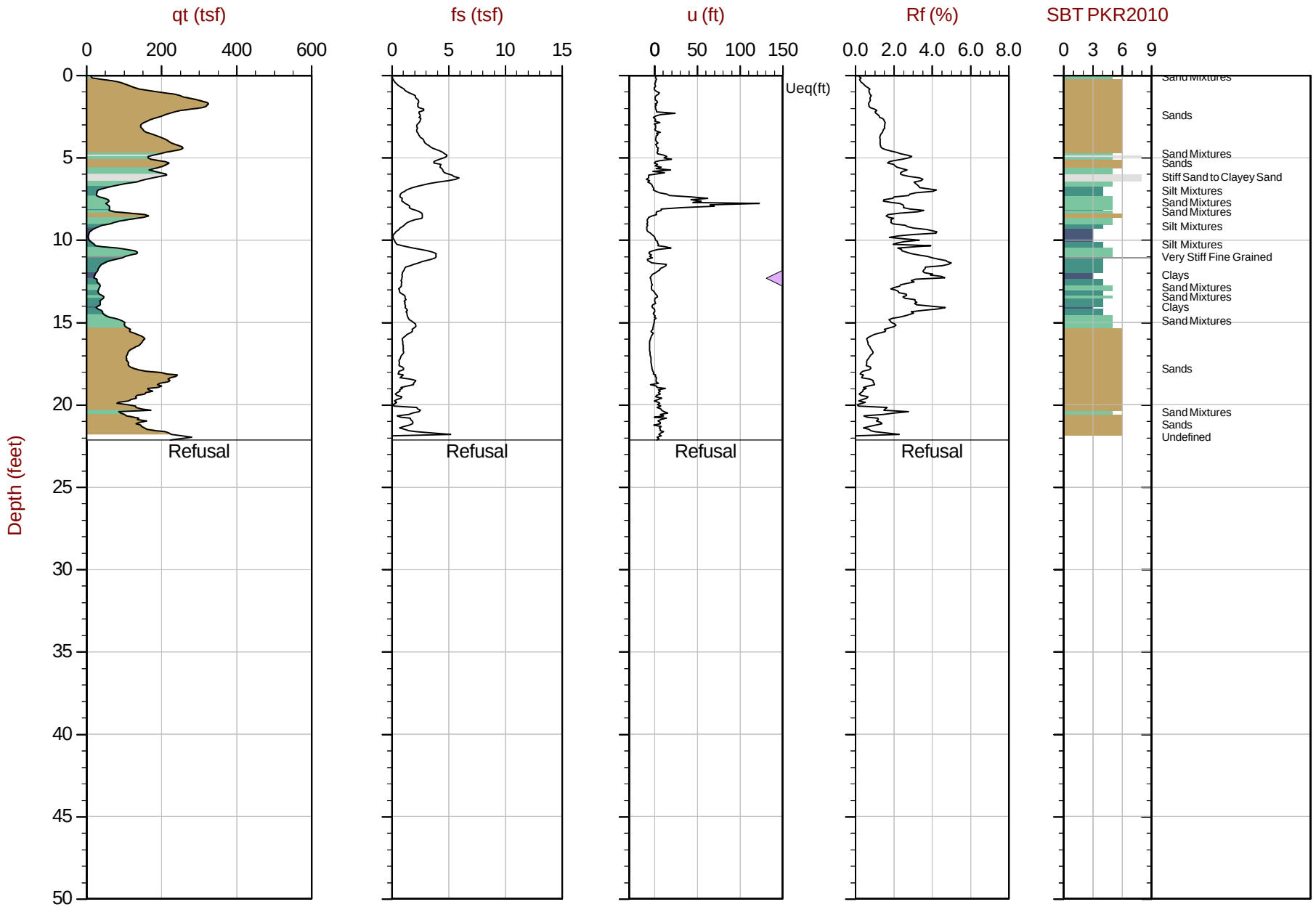
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

AECOM

Job No: 23-52-25874
Date: 2023-06-01 13:31
Site: Las Animas Levee

Sounding: CPT-74
Cone: 825:T1500F15U35



Max Depth: 6.750 m / 22.15 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 23-52-25874_CP74.COR

SBT: Robertson, 2010 (CPT '10)
Coords: Lat: 38.075561 Long: -103.197881
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved

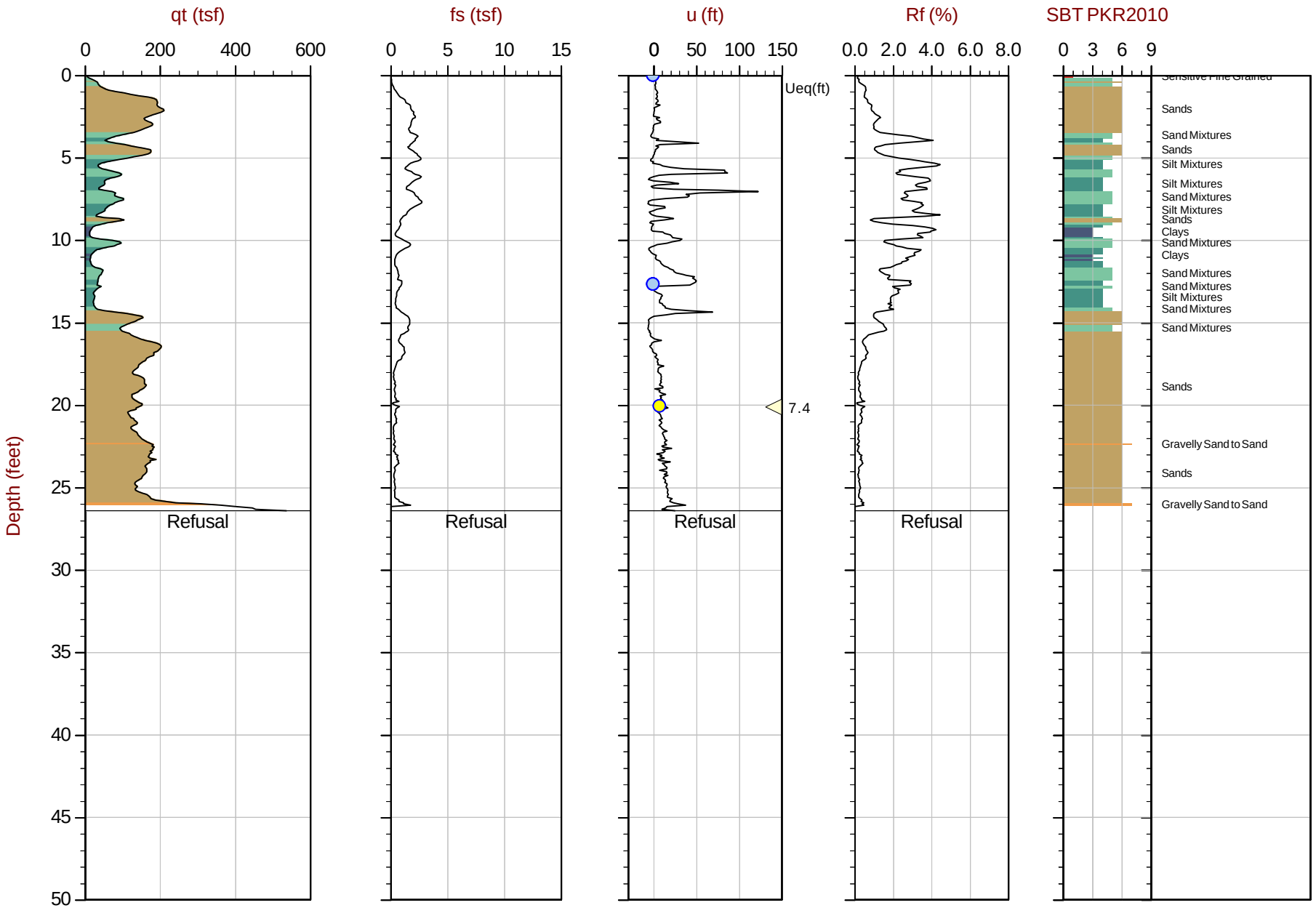
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

AECOM

Job No: 23-52-25874
Date: 2023-06-01 12:35
Site: Las Animas Levee

Sounding: CPT-75
Cone: 825:T1500F15U35



Max Depth: 8.050 m / 26.41 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 23-52-25874_CP75.COR

SBT: Robertson, 2010 (CPT '10)
Coords: Lat: 38.074496 Long: -103.195692
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved

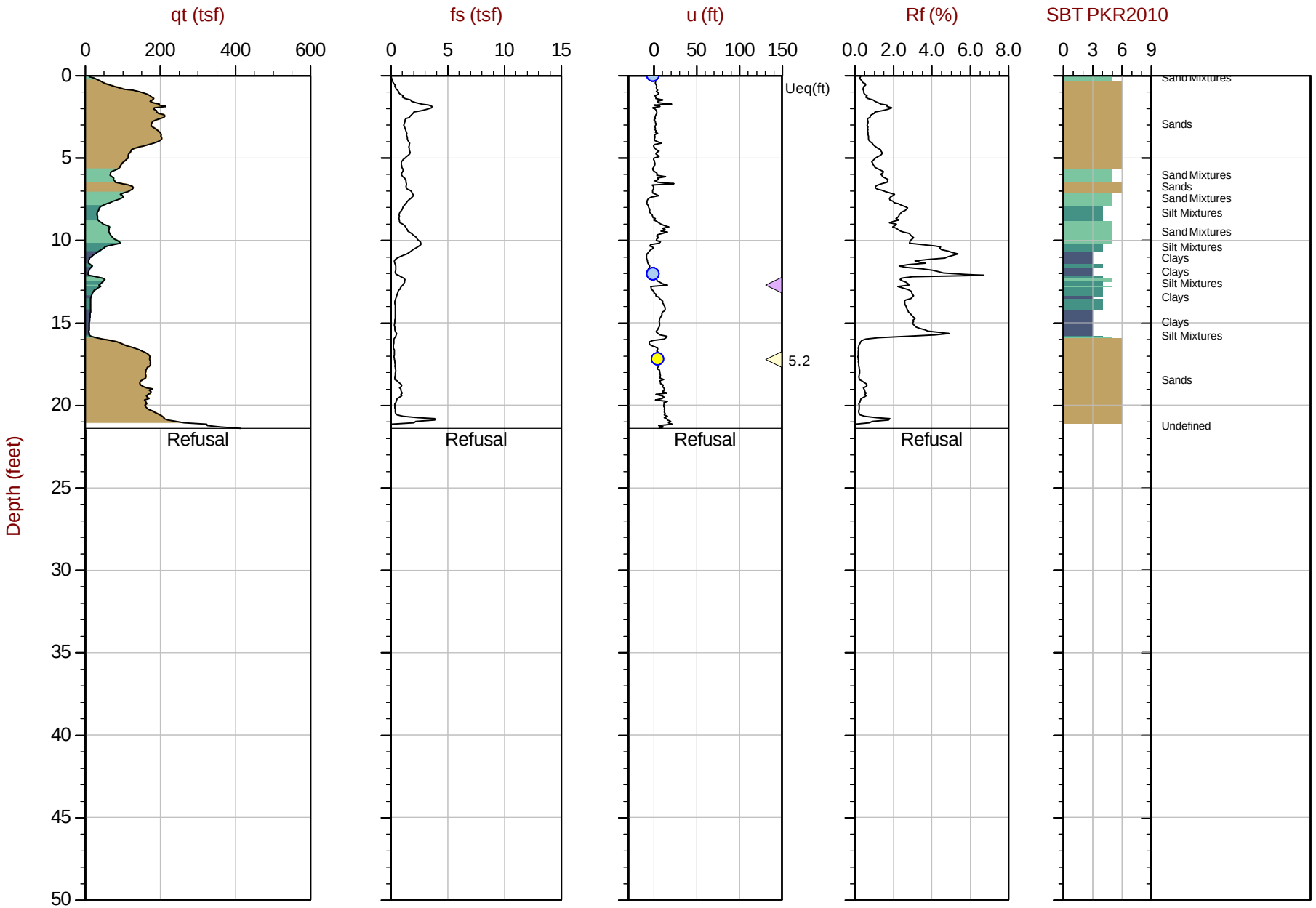
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

AECOM

Job No: 23-52-25874
Date: 2023-06-01 10:53
Site: Las Animas Levee

Sounding: CPT-76
Cone: 825:T1500F15U35



Max Depth: 6.525 m / 21.41 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 23-52-25874_CP76.COR

SBT: Robertson, 2010 (CPT '10)
Coords: Lat: 38.073444 Long: -103.193433
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved

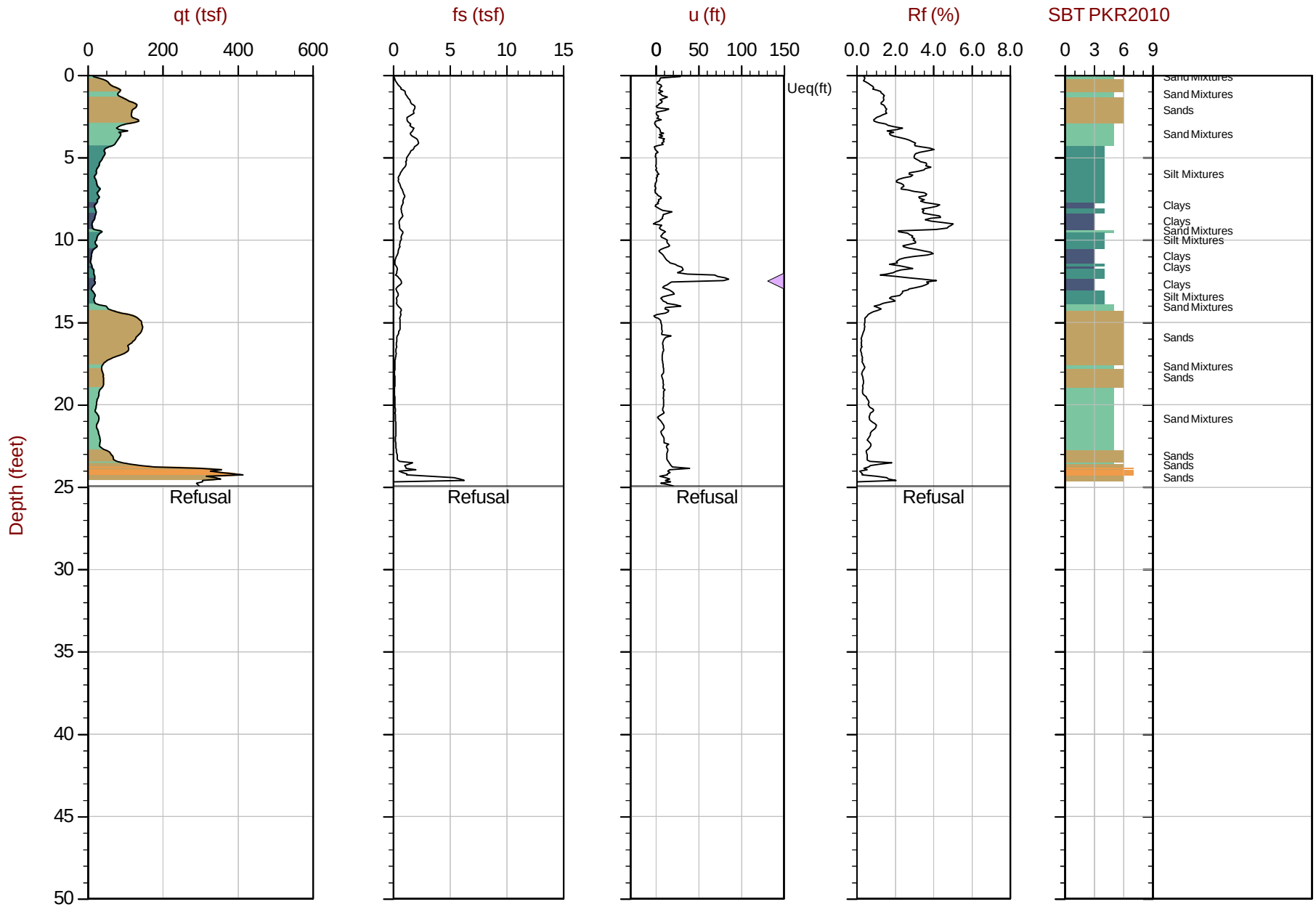
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

AECOM

Job No: 23-52-25874
Date: 2023-06-01 09:54
Site: Las Animas Levee

Sounding: CPT-77
Cone: 825:T1500F15U35



Max Depth: 7.600 m / 24.93 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 23-52-25874_CP77.COR

SBT: Robertson, 2010 (CPT '10)
Coords: Lat: 38.072366 Long: -103.191208
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved

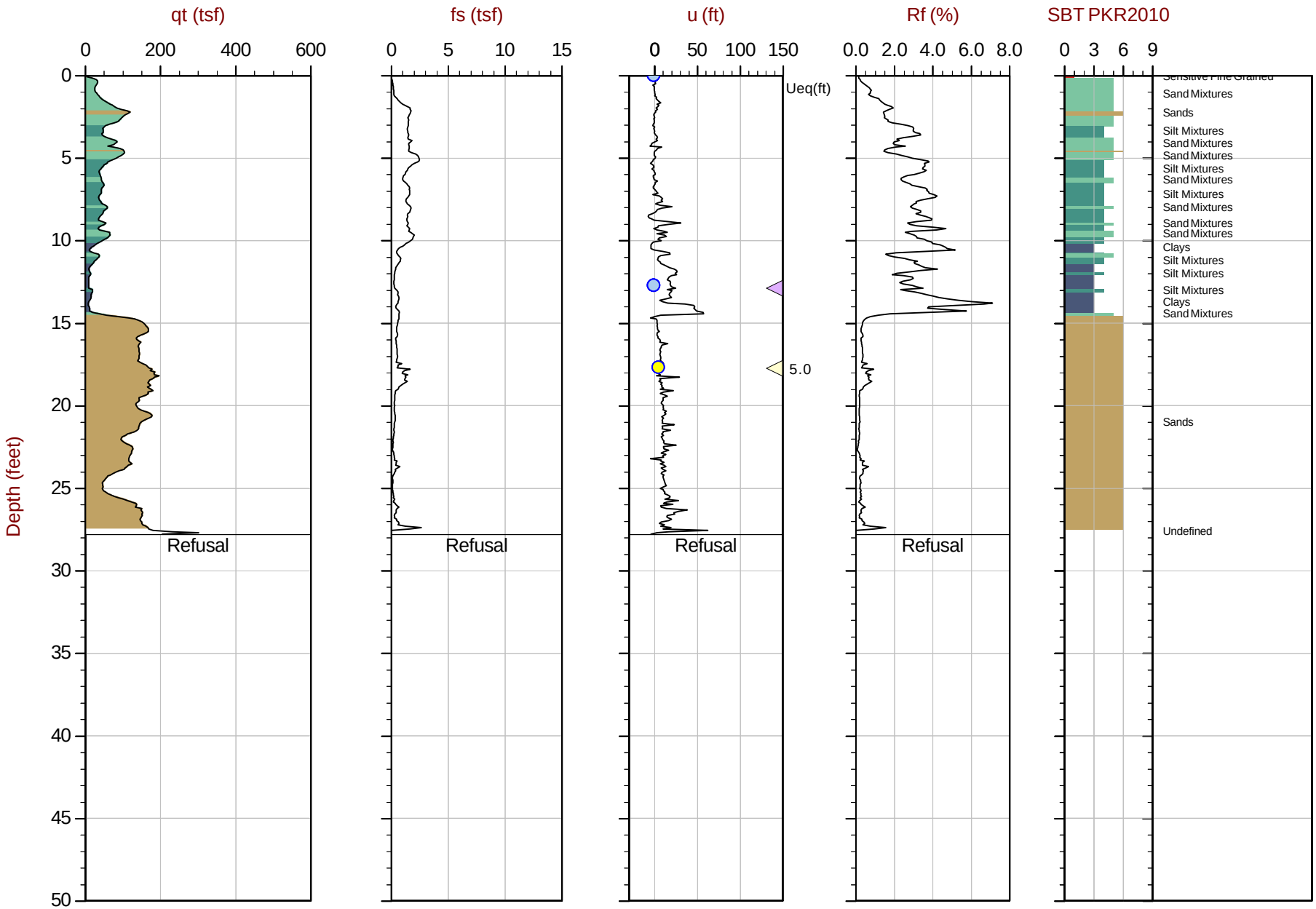
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

AECOM

Job No: 23-52-25874
Date: 2023-06-01 08:31
Site: Las Animas Levee

Sounding: CPT-78
Cone: 825:T1500F15U35



Max Depth: 8.475 m / 27.80 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 23-52-25874_CP78.COR

SBT: Robertson, 2010 (CPT '10)
Coords: Lat: 38.069530 Long: -103.187544
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved

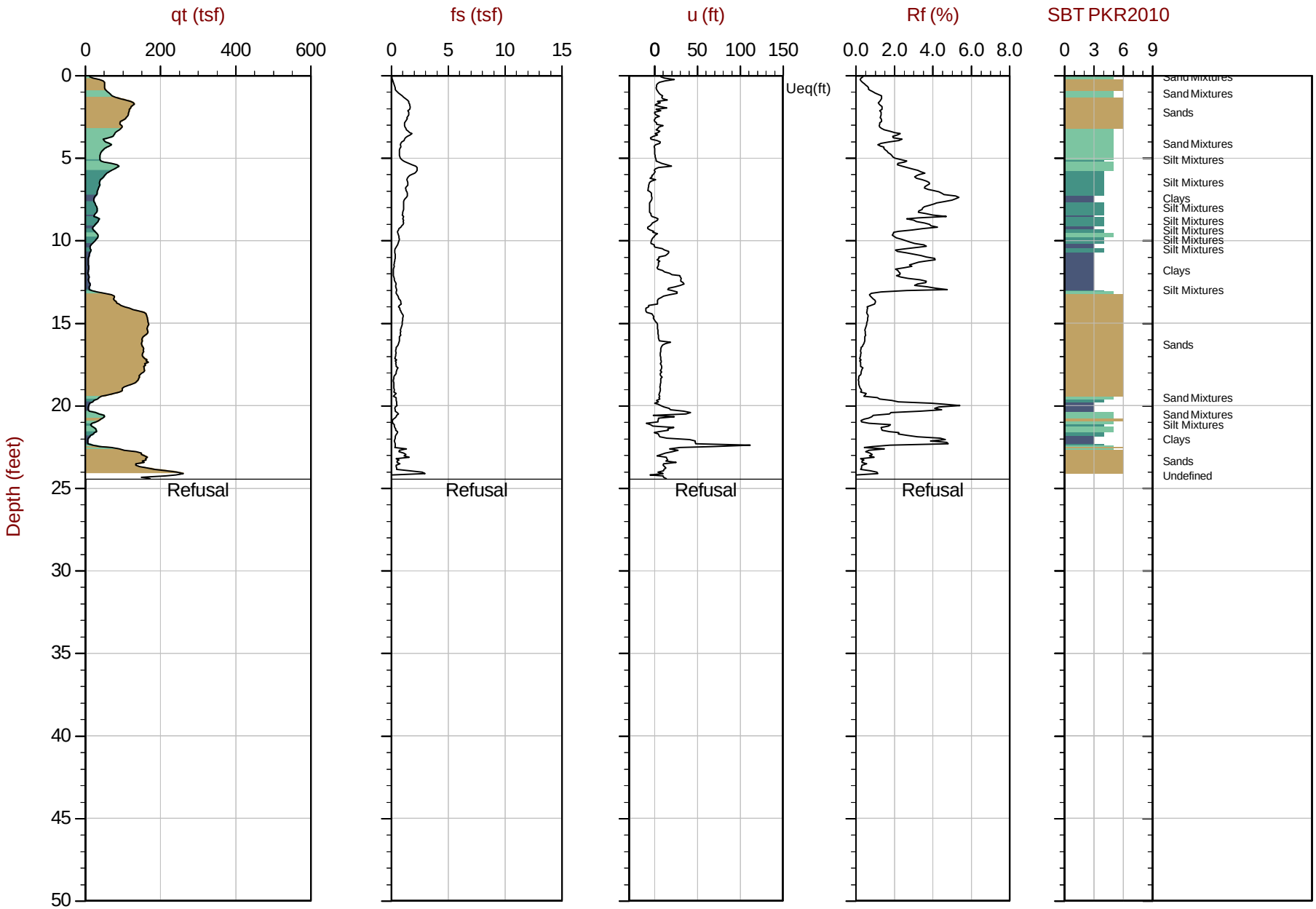
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

AECOM

Job No: 23-52-25874
Date: 2023-06-01 07:21
Site: Las Animas Levee

Sounding: CPT-79
Cone: 825:T1500F15U35



Max Depth: 7.450 m / 24.44 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 23-52-25874_CP79.COR

SBT: Robertson, 2010 (CPT '10)
Coords: Lat: 38.069522 Long: -103.187510
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved

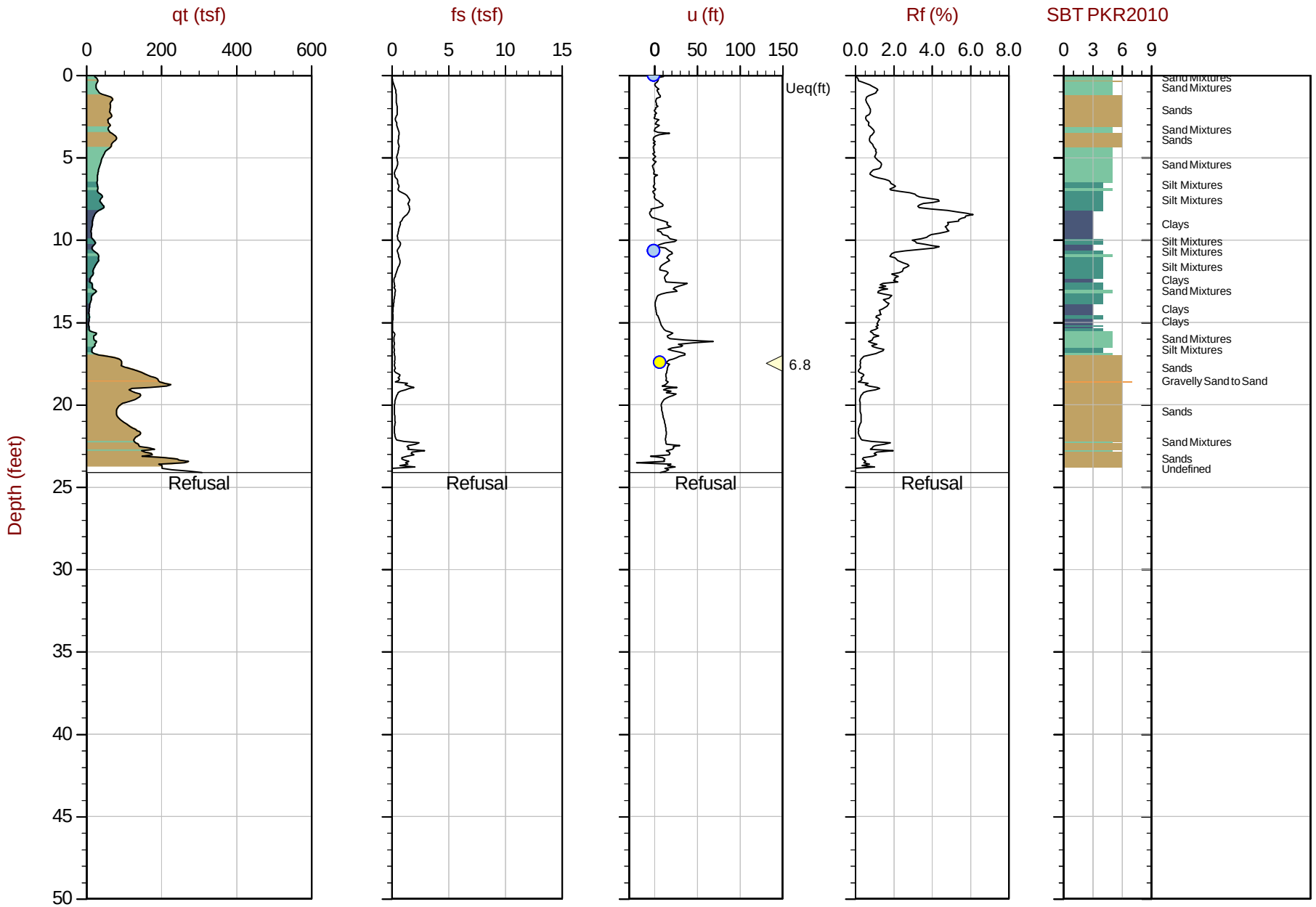
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

AECOM

Job No: 23-52-25874
Date: 2023-05-31 15:21
Site: Las Animas Levee

Sounding: CPT-80
Cone: 825:T1500F15U35



Max Depth: 7.350 m / 24.11 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 23-52-25874_CP80.COR

SBT: Robertson, 2010 (CPT '10)
Coords: Lat: 38.067532 Long: -103.186949
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved

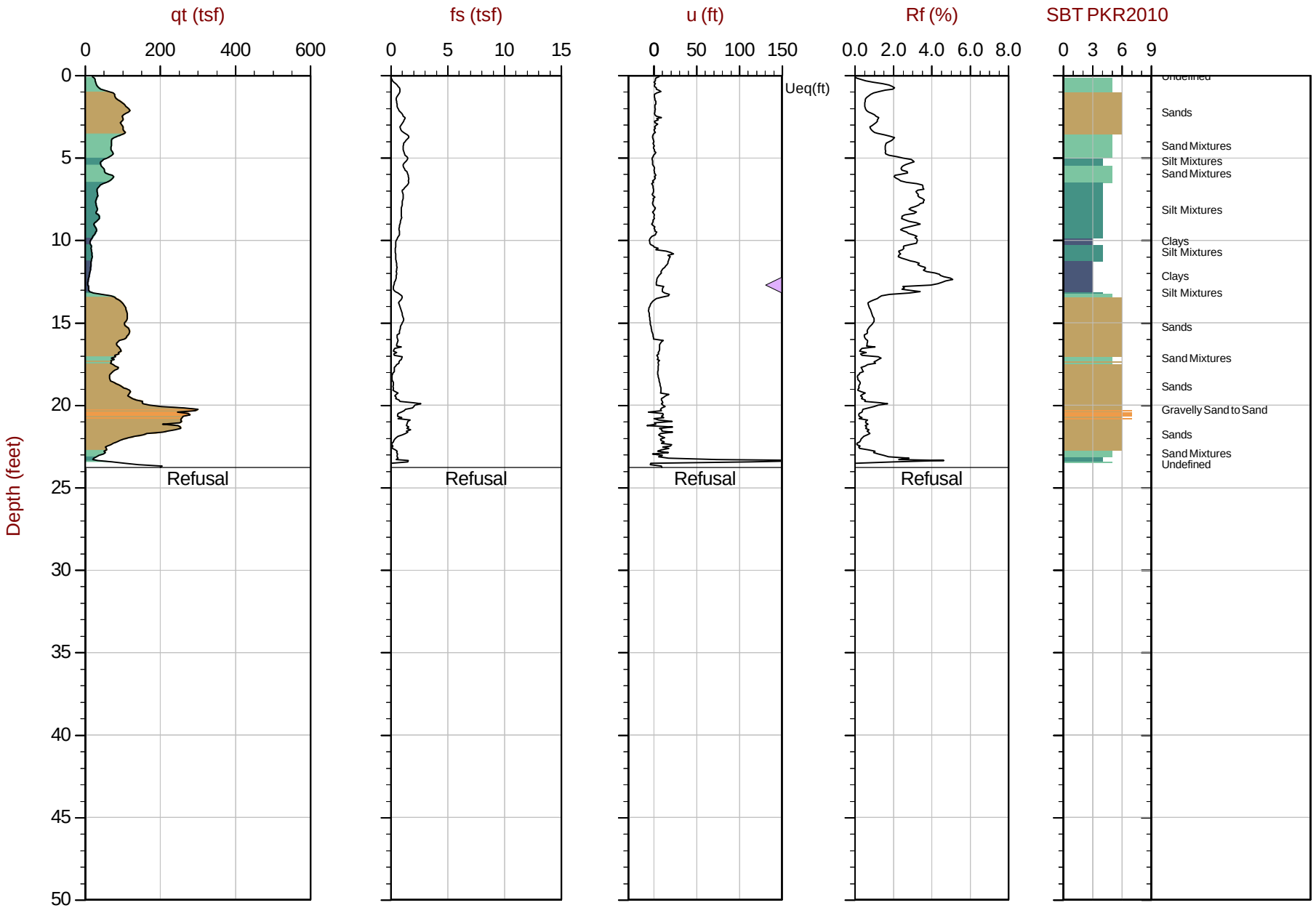
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

AECOM

Job No: 23-52-25874
Date: 2023-05-31 13:21
Site: Las Animas Levee

Sounding: CPT-81
Cone: 825:T1500F15U35



Max Depth: 7.250 m / 23.79 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 23-52-25874_CP81.COR

SBT: Robertson, 2010 (CPT '10)
Coords: Lat: 38.065469 Long: -103.186786
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved

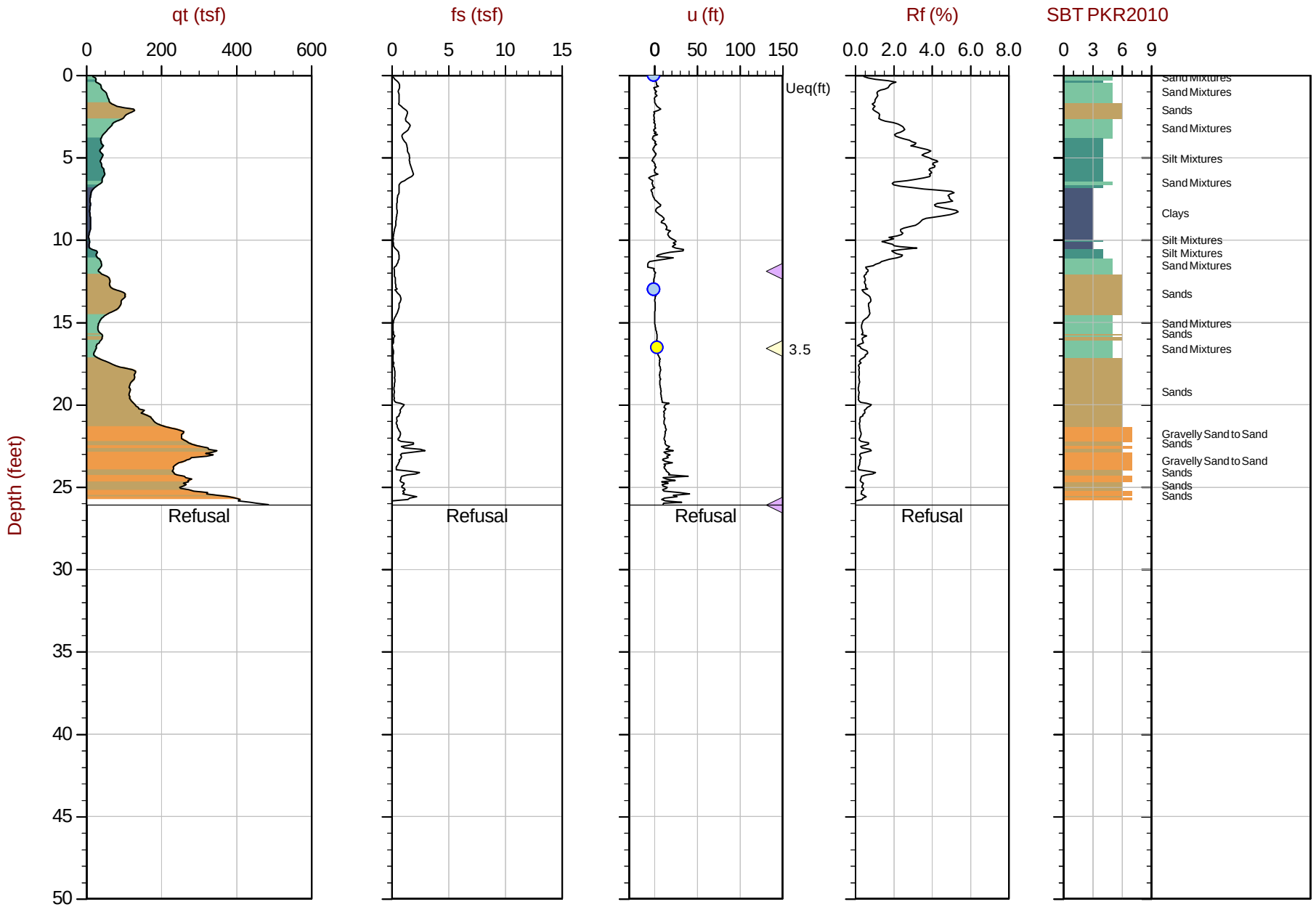
The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

CONETEC

AECOM

Job No: 23-52-25874
Date: 2023-05-31 11:03
Site: Las Animas Levee

Sounding: CPT-82
Cone: 825:T1500F15U35



Max Depth: 7.950 m / 26.08 ft
Depth Inc: 0.025 m / 0.082 ft
Avg Int: Every Point

File: 23-52-25874_CP82.COR

SBT: Robertson, 2010 (CPT '10)
Coords: Lat: 38.062986 Long: -103.187317
Sheet No: 1 of 1

Equilibrium Pore Pressure (Ueq) Assumed Ueq Dissipation, Ueq achieved Dissipation, Ueq not achieved

The reported coordinates were acquired from consumer grade GPS equipment and are only approximate locations. The coordinates should not be used for design purposes.

Pore Pressure Dissipation Summary and Pore Pressure Dissipation Plots

Job No:	23-52-25874
Client:	AECOM
Project:	Las Animas Levee
Start Date:	30-May-2023
End Date:	12-Jun-2023

CPTu PORE PRESSURE DISSIPATION SUMMARY

Sounding ID	File Name	Cone Area (cm^2)	Duration (s)	Test Depth (ft)	Estimated Equilibrium Pore Pressure U_{eq} (ft.)	Calculated Phreatic Surface (ft.)	Refer to Notation Number
CPT-02	23-52-25874_CP02	15	700	26.16	3.5	22.7	
CPT-03	23-52-25874_CP03	15	335	6.56	0.0		
CPT-04	23-52-25874_CP04	15	700	14.44	2.4	12.0	
CPT-05	23-52-25874_CP05	15	700	24.61	0.0		
CPT-07	23-52-25874_CP07	15	700	24.85	0.0		
CPT-09	23-52-25874_CP09	15	700	15.26	2.3	13.0	
CPT-12	23-52-25874_CP12	15	700	24.61	1.4	23.2	
CPT-13	23-52-25874_CP13	15	400	22.97	1.4	21.6	
CPT-13	23-52-25874_CP13	15	800	26.25	4.6	21.6	
CPT-15	23-52-25874_CP15	15	700	24.52	4.1	20.4	
CPT-18	23-52-25874_CP18	15	500	16.65	0.0		
CPT-20	23-52-25874_CP20	15	900	22.31	2.2	20.1	
CPT-22	23-52-25874_CP22	15	600	14.03	4.5	9.5	
CPT-25	23-52-25874_CP25	15	400	20.75	0.0		
CPT-28	23-52-25874_CP28	15	500	10.99	4.0	7.0	
CPT-28	23-52-25874_CP28	15	400	17.14	10.3	6.9	
CPT-30	23-52-25874_CP30	15	700	24.69	3.4	21.3	
CPT-32	23-52-25874_CP32	15	700	28.54	6.9	21.7	
CPT-35	23-52-25874_CP35	15	700	12.30	4.3	8.0	
CPT-37A	23-52-25874_CP37A	15	700	25.84	4.3	21.5	
CPT-39	23-52-25874_CP39	15	320	12.96	0.0		
CPT-39	23-52-25874_CP39	15	700	23.87	2.8	21.0	
CPT-41	23-52-25874_CP41	15	1200	12.39	4.7	7.7	
CPT-42	23-52-25874_CP42	15	660	12.71	0.0		
CPT-43	23-52-25874_CP43	15	700	13.70	7.3	6.4	
CPT-44	23-52-25874_CP44	15	810	22.39	2.6	19.8	
CPT-45	23-52-25874_CP45	15	465	14.68	0.0		
CPT-45	23-52-25874_CP45	15	1000	25.18	6.0	19.2	
CPT-46	23-52-25874_CP46	15	770	15.99	0.0		
CPT-46	23-52-25874_CP46	15	400	22.56	4.2	18.4	
CPT-48	23-52-25874_CP48	15	600	22.72	7.5	15.2	
CPT-50	23-52-25874_CP50	15	600	10.25	7.6	2.6	
CPT-52	23-52-25874_CP52	15	200	20.01	Not Achieved		
CPT-52	23-52-25874_CP52	15	500	25.02	5.8	19.2	
CPT-54	23-52-25874_CP54	15	400	15.91	12.9	3.0	
CPT-56	23-52-25874_CP56	15	600	10.33	6.3	4.0	
CPT-58	23-52-25874_CP58	15	305	22.64	Not Achieved		
CPT-59	23-52-25874_CP59	15	700	25.10	4.2	20.9	

Job No:	23-52-25874
Client:	AECOM
Project:	Las Animas Levee
Start Date:	30-May-2023
End Date:	12-Jun-2023

CPTu PORE PRESSURE DISSIPATION SUMMARY

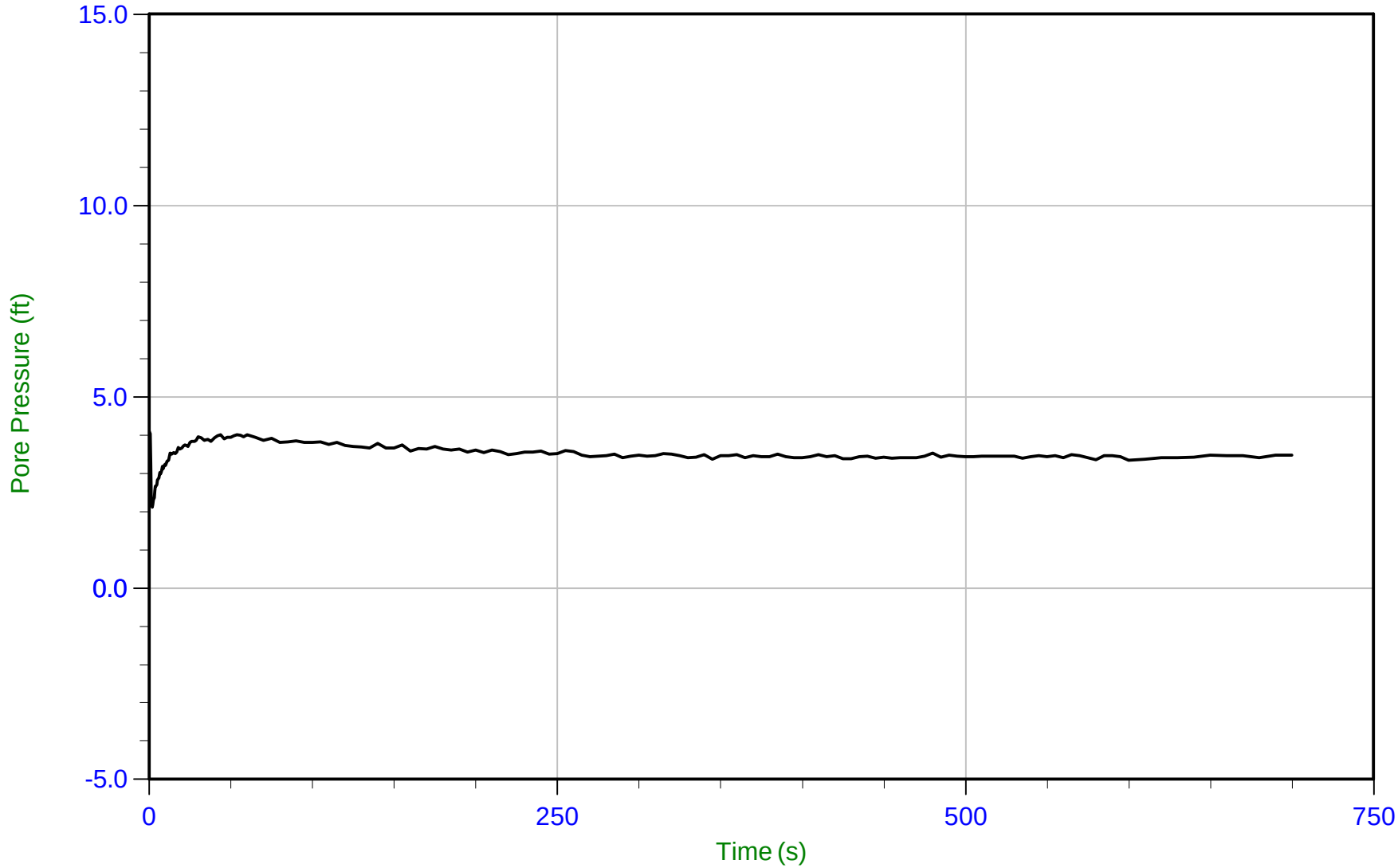
Sounding ID	File Name	Cone Area (cm^2)	Duration (s)	Test Depth (ft)	Estimated Equilibrium Pore Pressure U_{eq} (ft.)	Calculated Phreatic Surface (ft.)	Refer to Notation Number
CPT-65	23-52-25874_CP65	15	425	17.31	0.0		
CPT-65	23-52-25874_CP65	15	600	25.43	7.2	18.2	
CPT-66	23-52-25874_CP66	15	480	19.11	Not Achieved		
CPT-67	23-52-25874_CP67	15	630	17.47	1.9	15.6	
CPT-69	23-52-25874_CP69	15	640	20.51	Not Achieved		
CPT-70	23-52-25874_CP70	15	400	9.10	2.2	6.9	
CPT-72	23-52-25874_CP72	15	495	18.78	1.9	16.9	
CPT-74	23-52-25874_CP74	15	440	12.30	Not Achieved		
CPT-75	23-52-25874_CP75	15	400	20.09	7.4	12.7	
CPT-76	23-52-25874_CP76	15	300	12.71	Not Achieved		
CPT-76	23-52-25874_CP76	15	600	17.22	5.2	12.1	
CPT-77	23-52-25874_CP77	15	300	12.47	Not Achieved		
CPT-78	23-52-25874_CP78	15	260	12.88	Not Achieved		
CPT-78	23-52-25874_CP78	15	1200	17.72	5.0	12.7	
CPT-80	23-52-25874_CP80	15	400	17.47	6.8	10.7	
CPT-81	23-52-25874_CP81	15	400	12.71	Not Achieved		
CPT-82	23-52-25874_CP82	15	245	11.89	Not Achieved		
CPT-82	23-52-25874_CP82	15	400	16.57	3.5	13.0	
CPT-82	23-52-25874_CP82	15	210	26.08	Not Achieved		

CONETEC

AECOM

Job No: 23-52-25874
Date: 06/11/2023 08:37
Site: Las Animas Levee

Sounding: CPT-02
Cone: 825:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 23-52-25874_CP02.PPF2
Depth: 7.975 m / 26.164 ft
Duration: 700.0 s

u Min: 2.1 ft
u Max: 4.1 ft
u Final: 3.5 ft

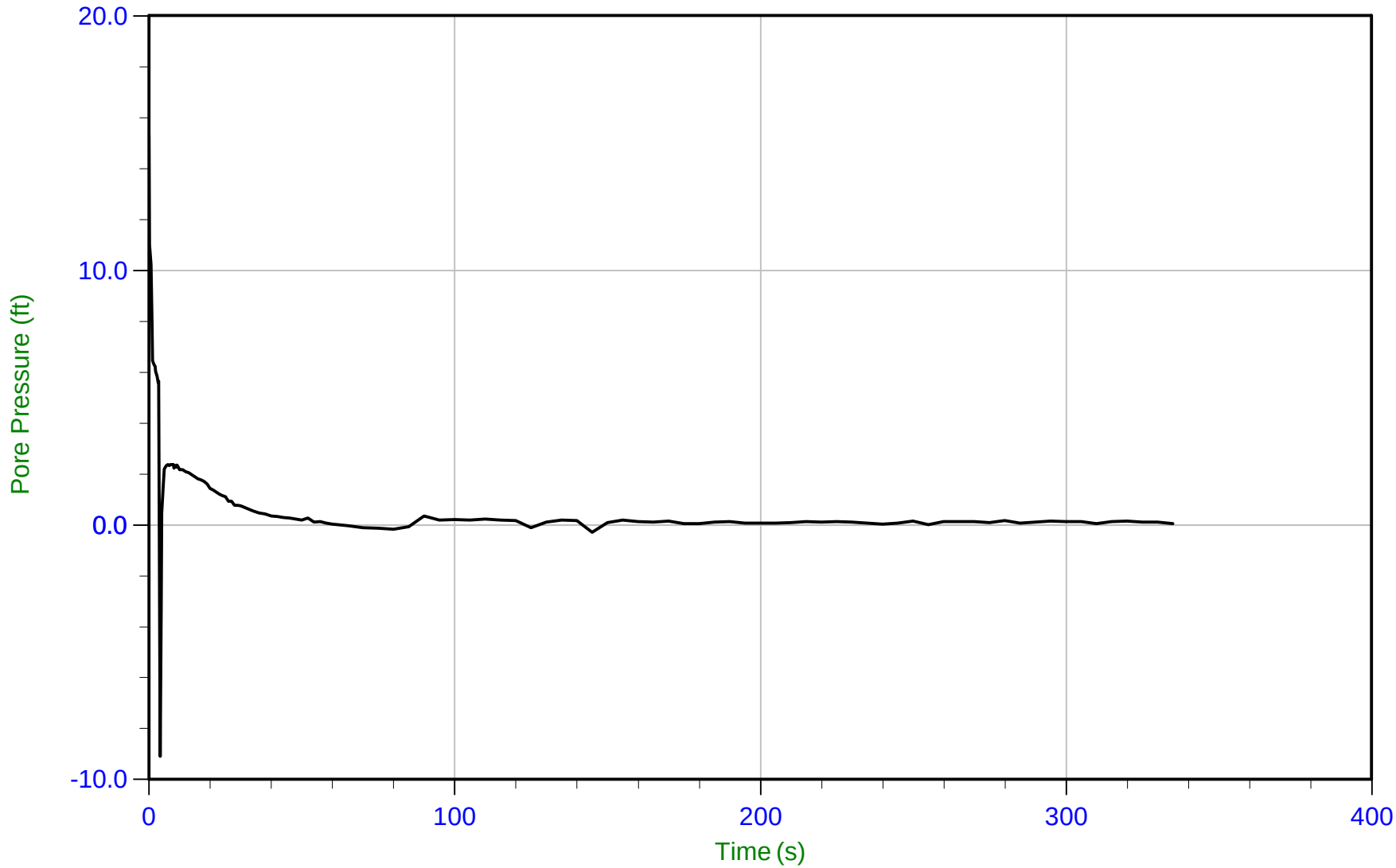
WT: 6.923 m / 22.712 ft
Ueq: 3.5 ft

CONETEC

AECOM

Job No: 23-52-25874
Date: 06/11/2023 07:25
Site: Las Animas Levee

Sounding: CPT-03
Cone: 825:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 23-52-25874_CP03.PPF2
Depth: 2.000 m / 6.562 ft
Duration: 335.0 s

u Min: -9.1 ft
u Max: 15.3 ft
u Final: 0.1 ft

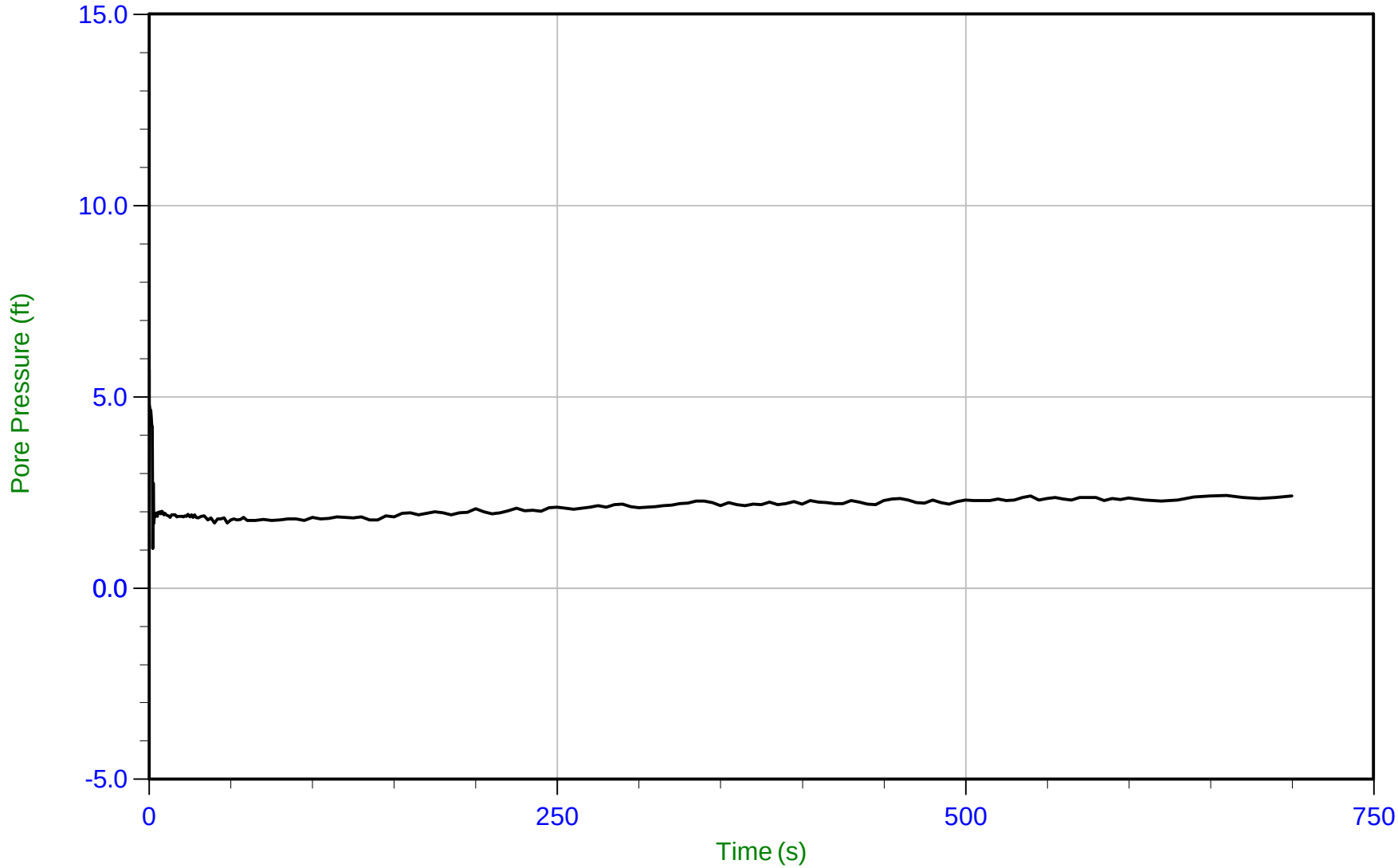
WT: 2.000 m / 6.562 ft
Ueq: 0.0 ft

CONETEC

AECOM

Job No: 23-52-25874
Date: 06/11/2023 10:02
Site: Las Animas Levee

Sounding: CPT-04
Cone: 825:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 23-52-25874_CP04.PPF2
Depth: 4.400 m / 14.436 ft
Duration: 700.0 s

u Min: 1.0 ft
u Max: 5.7 ft
u Final: 2.4 ft

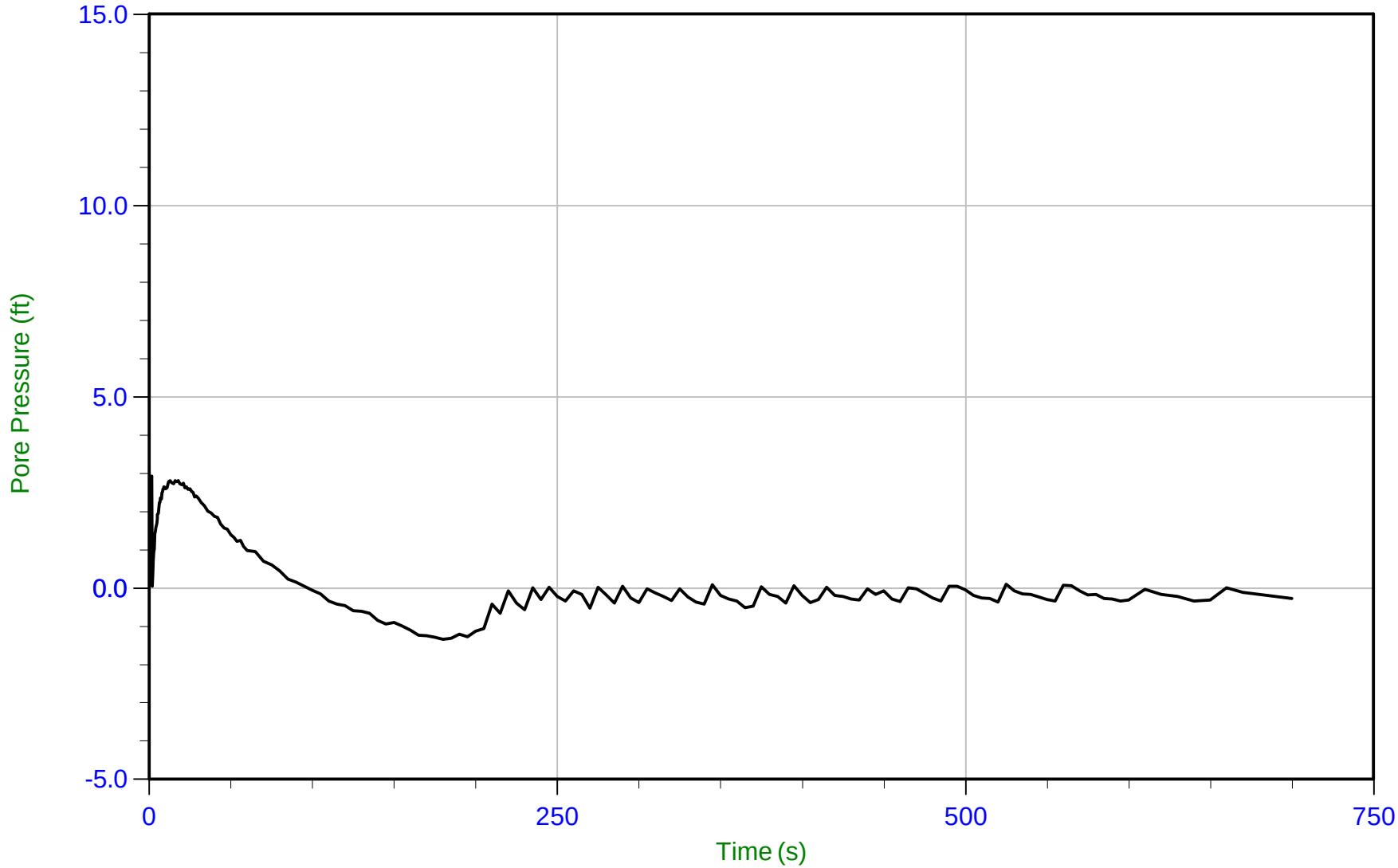
WT: 3.669 m / 12.037 ft
Ueq: 2.4 ft

CONETEC

AECOM

Job No: 23-52-25874
Date: 06/11/2023 06:17
Site: Las Animas Levee

Sounding: CPT-05
Cone: 825:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 23-52-25874_CP05.PPF2
Depth: 7.500 m / 24.606 ft
Duration: 700.0 s

u Min: -1.3 ft
u Max: 3.0 ft
u Final: -0.3 ft

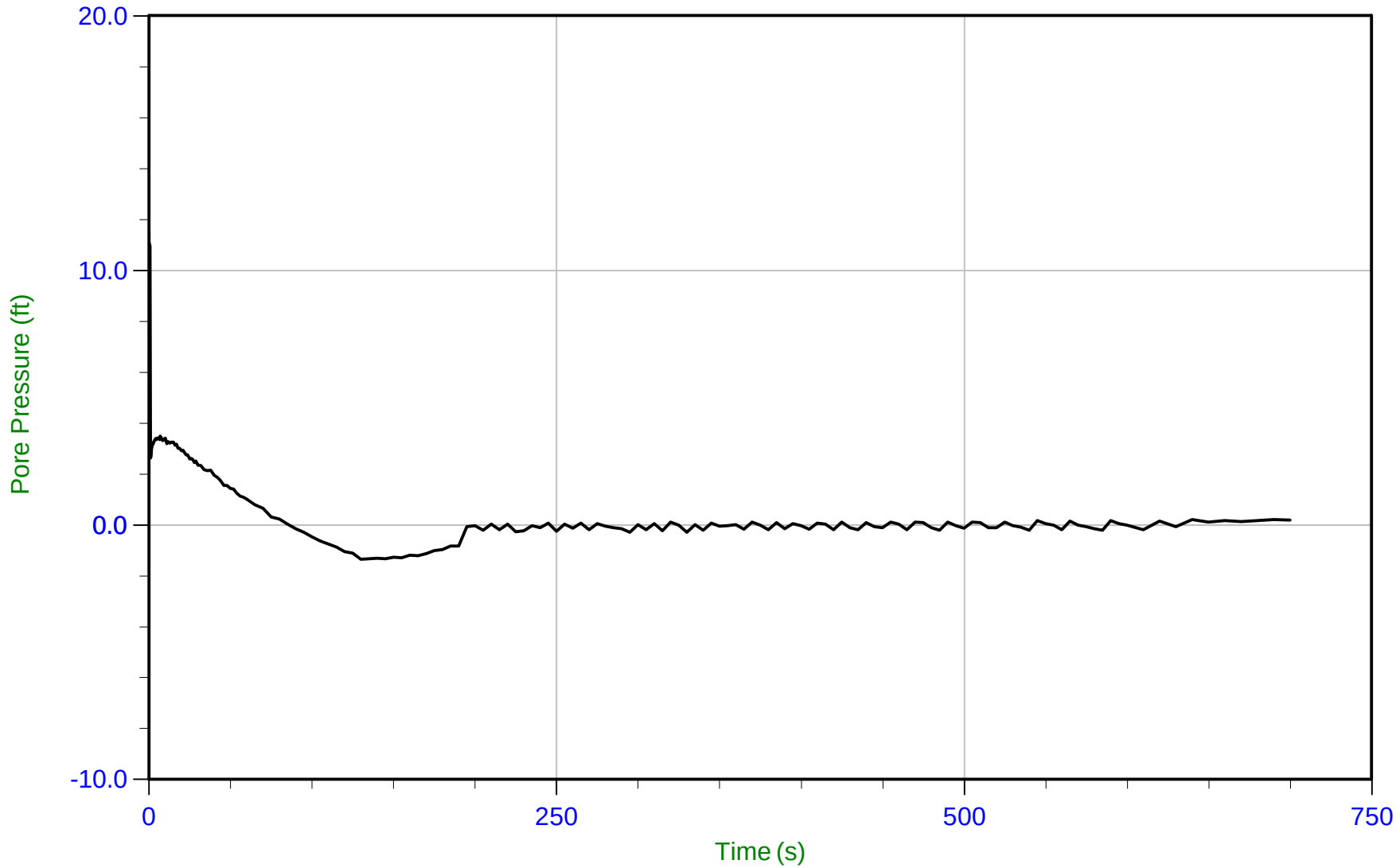
WT: 7.500 m / 24.606 ft
Ueq: 0.0 ft

CONETEC

AECOM

Job No: 23-52-25874
Date: 06/10/2023 11:58
Site: Las Animas Levee

Sounding: CPT-07
Cone: 825:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 23-52-25874_CP07.PPF2
Depth: 7.575 m / 24.852 ft
Duration: 700.0 s

u Min: -1.3 ft
u Max: 11.5 ft
u Final: 0.2 ft

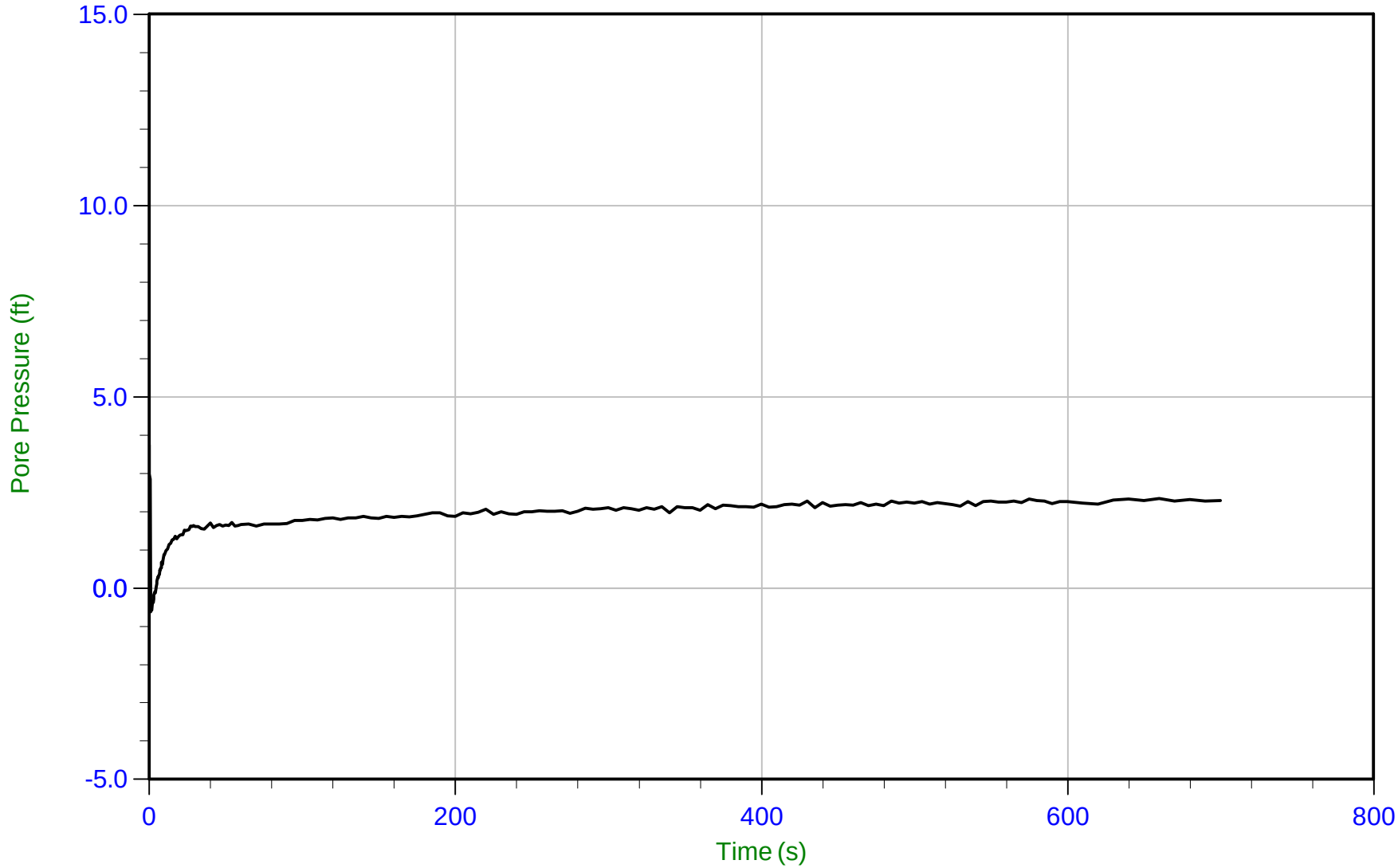
WT: 7.575 m / 24.852 ft
Ueq: 0.0 ft

CONETEC

AECOM

Job No: 23-52-25874
Date: 06/10/2023 09:57
Site: Las Animas Levee

Sounding: CPT-09
Cone: 825:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 23-52-25874_CP09.PPF2
Depth: 4.650 m / 15.256 ft
Duration: 700.0 s

u Min: -0.6 ft
u Max: 3.7 ft
u Final: 2.3 ft

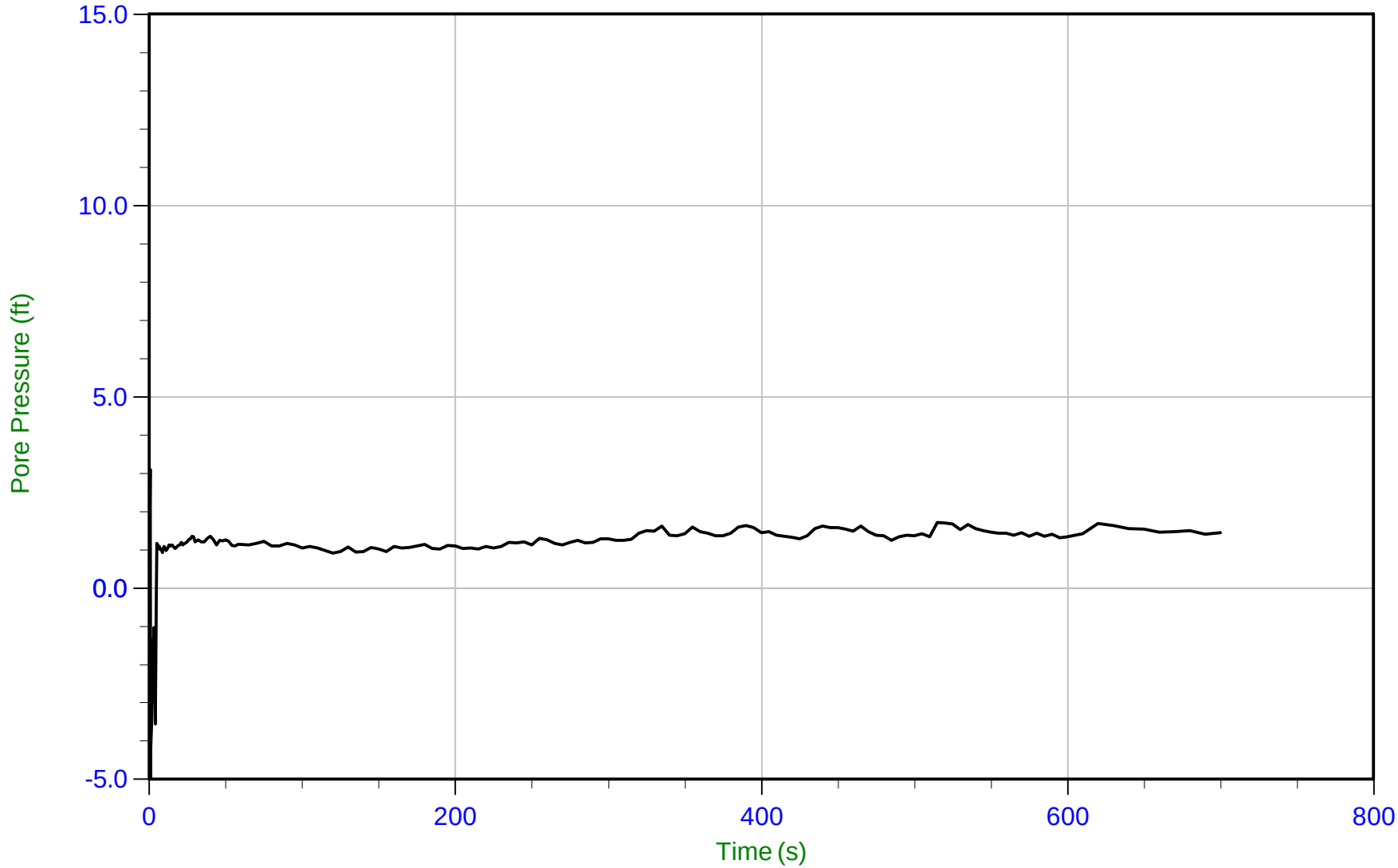
WT: 3.949 m / 12.957 ft
Ueq: 2.3 ft

CONETEC

AECOM

Job No: 23-52-25874
Date: 06/10/2023 06:21
Site: Las Animas Levee

Sounding: CPT-12
Cone: 825:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 23-52-25874_CP12.PPF2
Depth: 7.500 m / 24.606 ft
Duration: 700.0 s

u Min: -6.1 ft
u Max: 3.1 ft
u Final: 1.5 ft

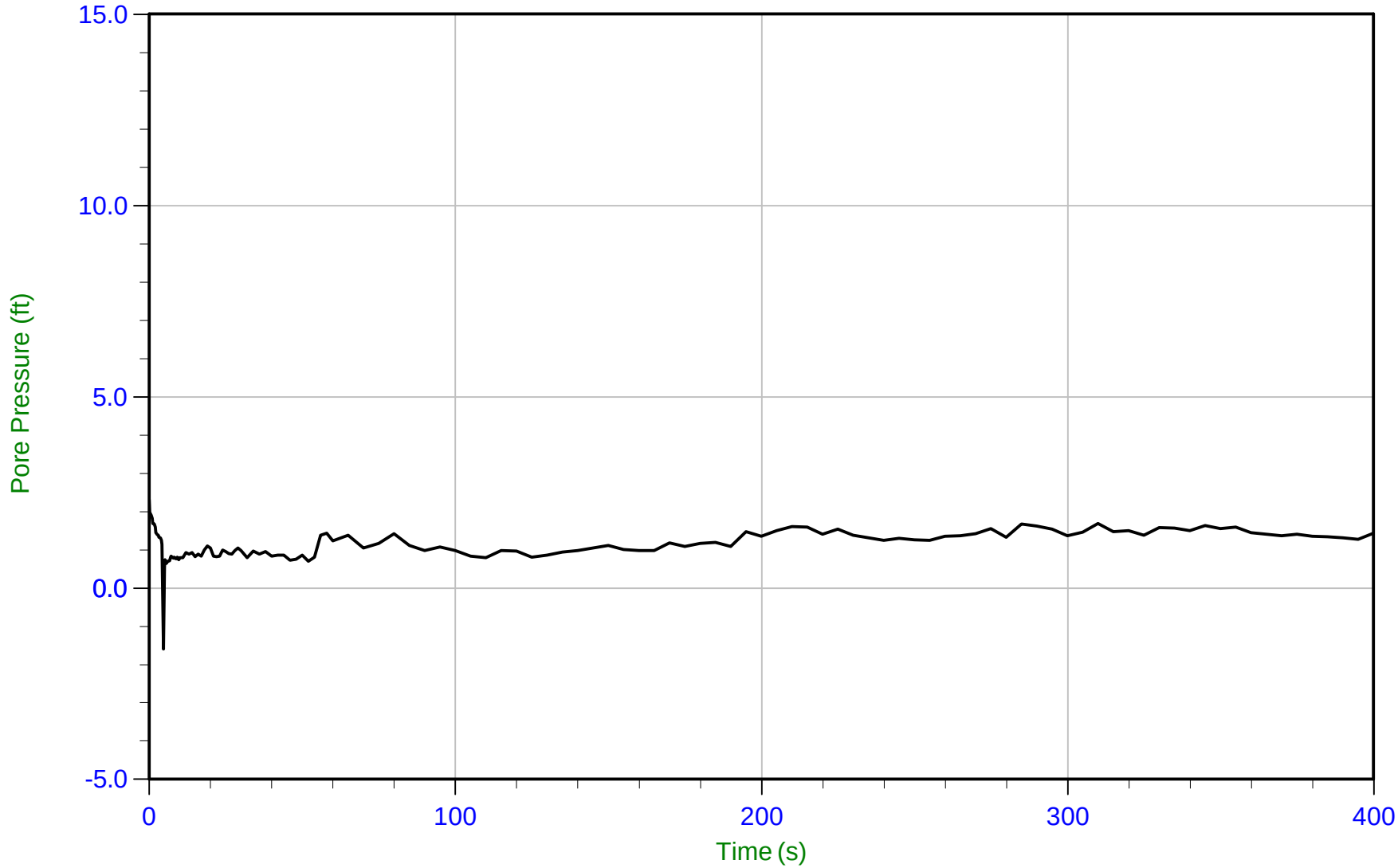
WT: 7.058 m / 23.157 ft
Ueq: 1.4 ft

CONETEC

AECOM

Job No: 23-52-25874
Date: 06/09/2023 14:09
Site: Las Animas Levee

Sounding: CPT-13
Cone: 825:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 23-52-25874_CP13.PPF2
Depth: 7.000 m / 22.966 ft
Duration: 400.0 s

u Min: -1.6 ft
u Max: 2.3 ft
u Final: 1.4 ft

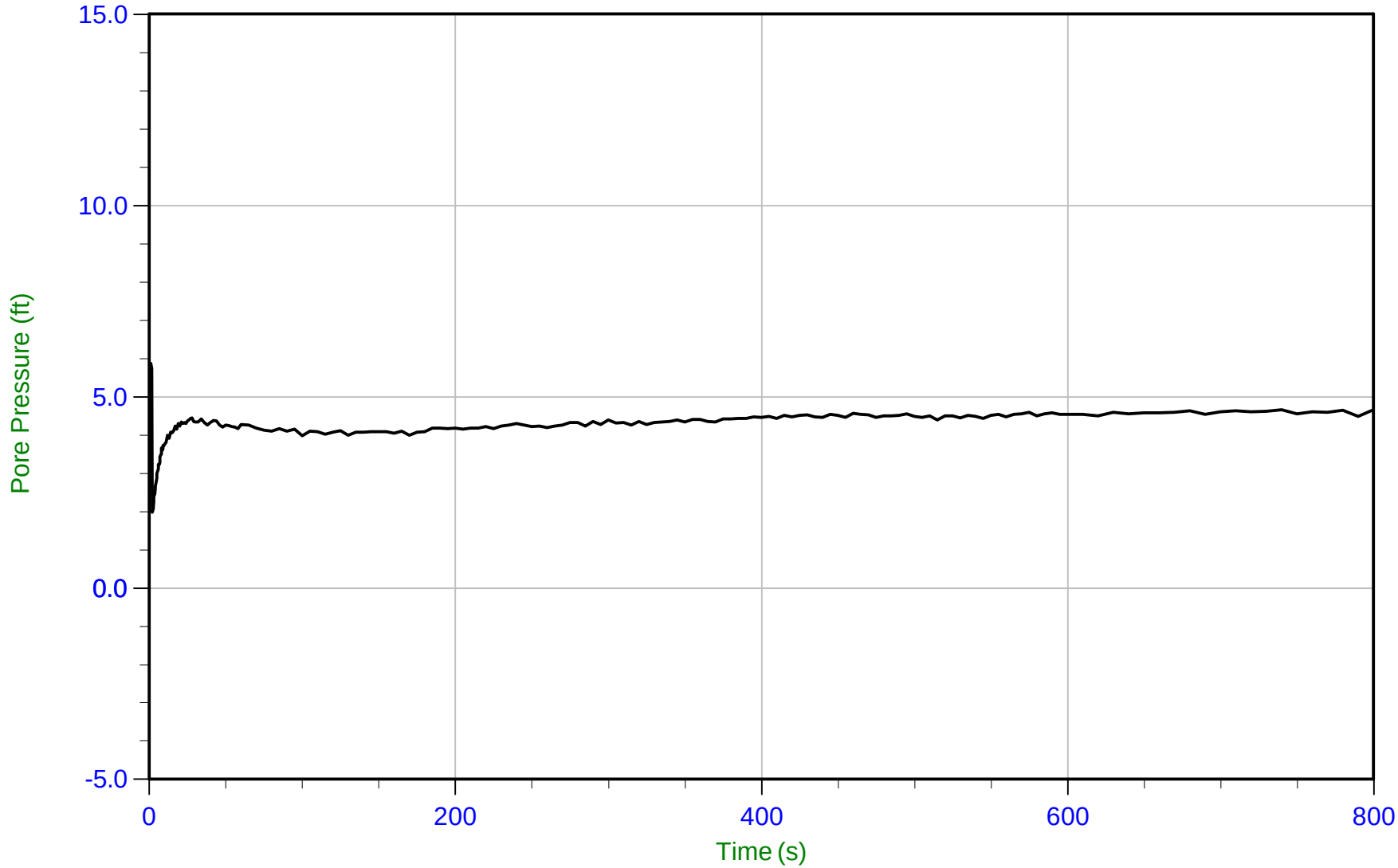
WT: 6.573 m / 21.566 ft
Ueq: 1.4 ft

CONETEC

AECOM

Job No: 23-52-25874
Date: 06/09/2023 14:09
Site: Las Animas Levee

Sounding: CPT-13
Cone: 825:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 23-52-25874_CP13.PPF2
Depth: 8.000 m / 26.246 ft
Duration: 800.0 s

u Min: 2.0 ft
u Max: 5.9 ft
u Final: 4.7 ft

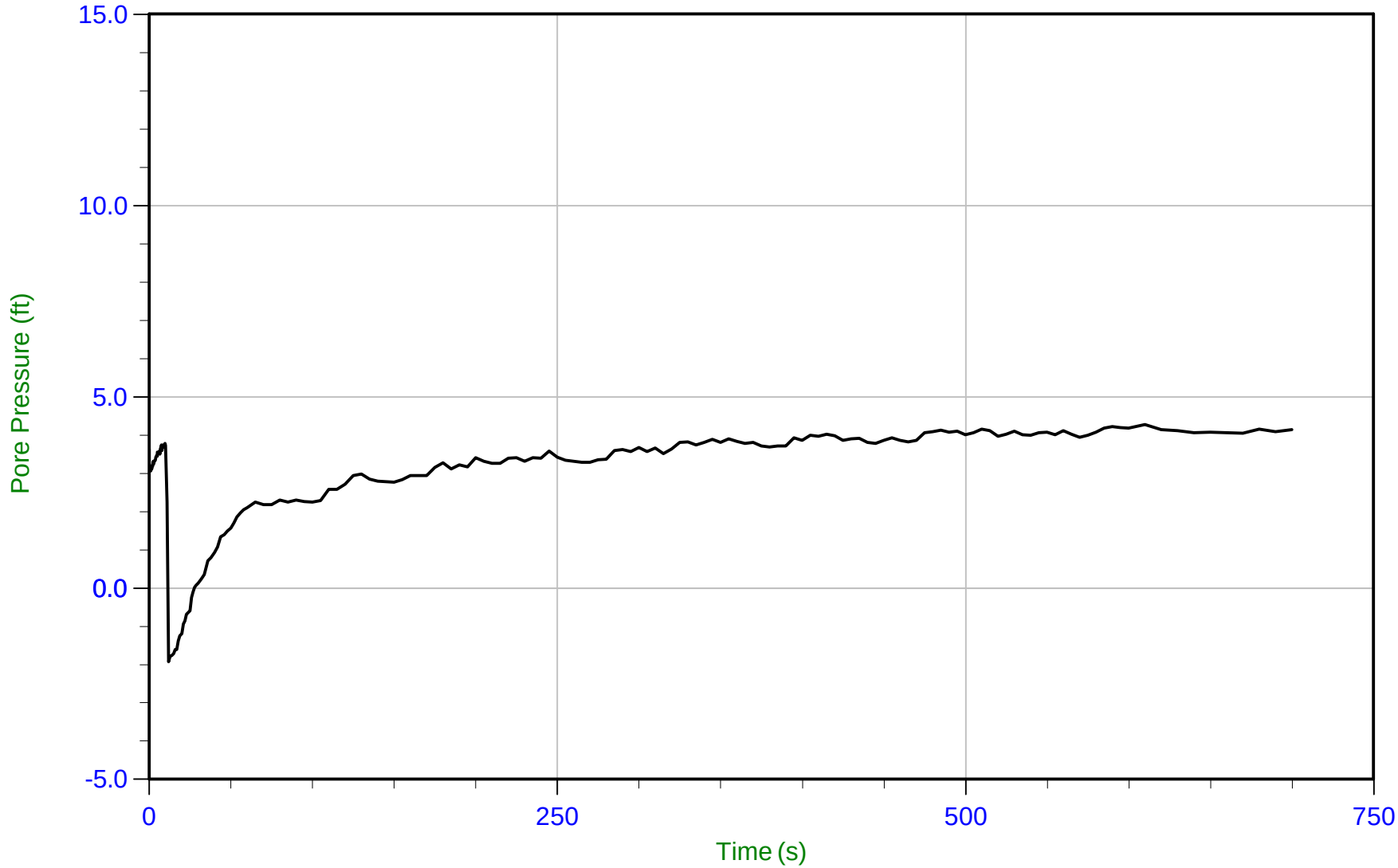
WT: 6.588 m / 21.612 ft
Ueq: 4.6 ft

CONETEC

AECOM

Job No: 23-52-25874
Date: 06/09/2023 11:02
Site: Las Animas Levee

Sounding: CPT-15
Cone: 825:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 23-52-25874_CP15.PPF2
Depth: 7.475 m / 24.524 ft
Duration: 700.0 s

u Min: -1.9 ft
u Max: 4.3 ft
u Final: 4.1 ft

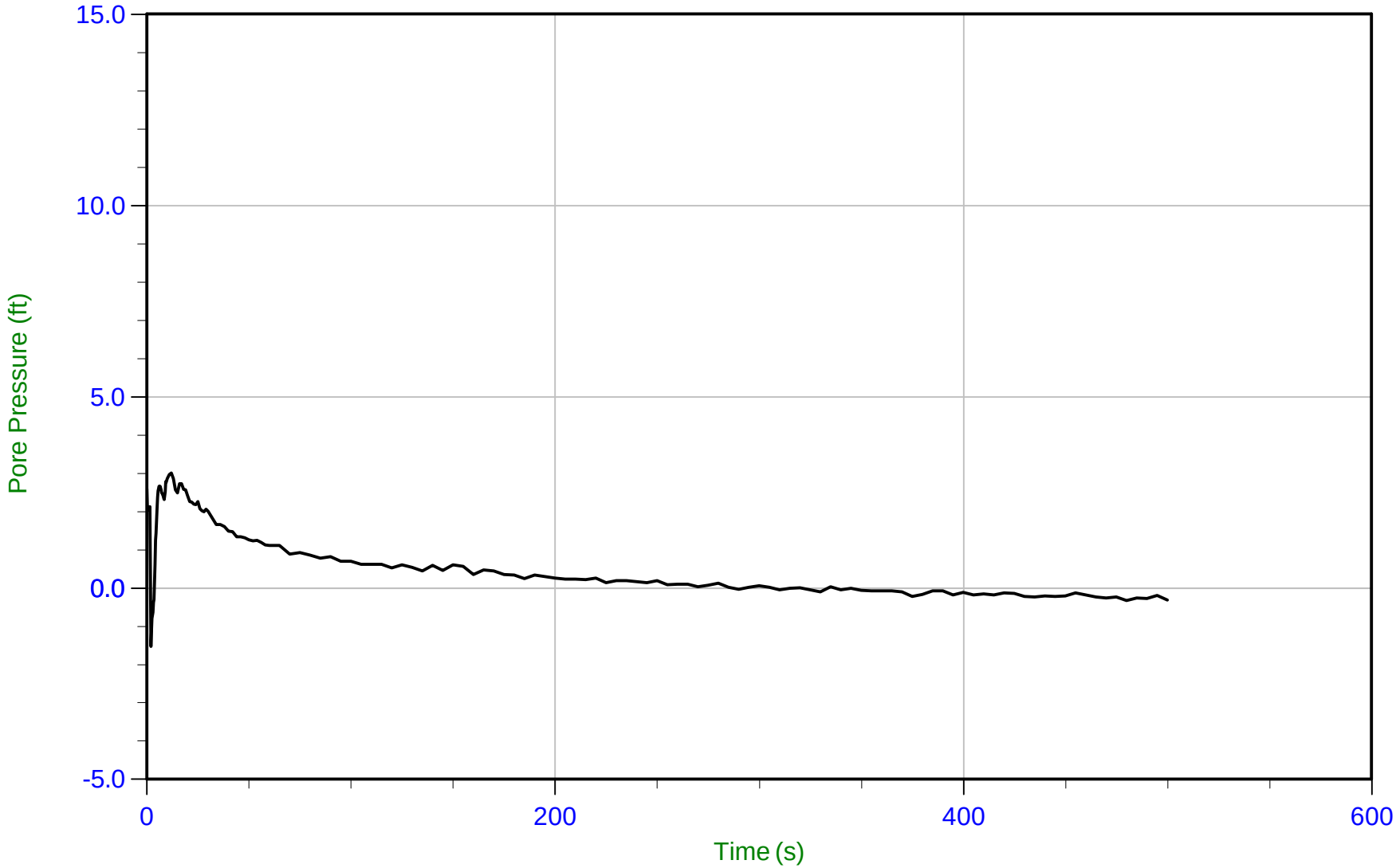
WT: 6.221 m / 20.410 ft
Ueq: 4.1 ft

CONETEC

AECOM

Job No: 23-52-25874
Date: 06/09/2023 07:49
Site: Las Animas Levee

Sounding: CPT-18
Cone: 825:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 23-52-25874_CP18.PPF2
Depth: 5.075 m / 16.650 ft
Duration: 500.0 s

u Min: -1.5 ft
u Max: 3.0 ft
u Final: -0.3 ft

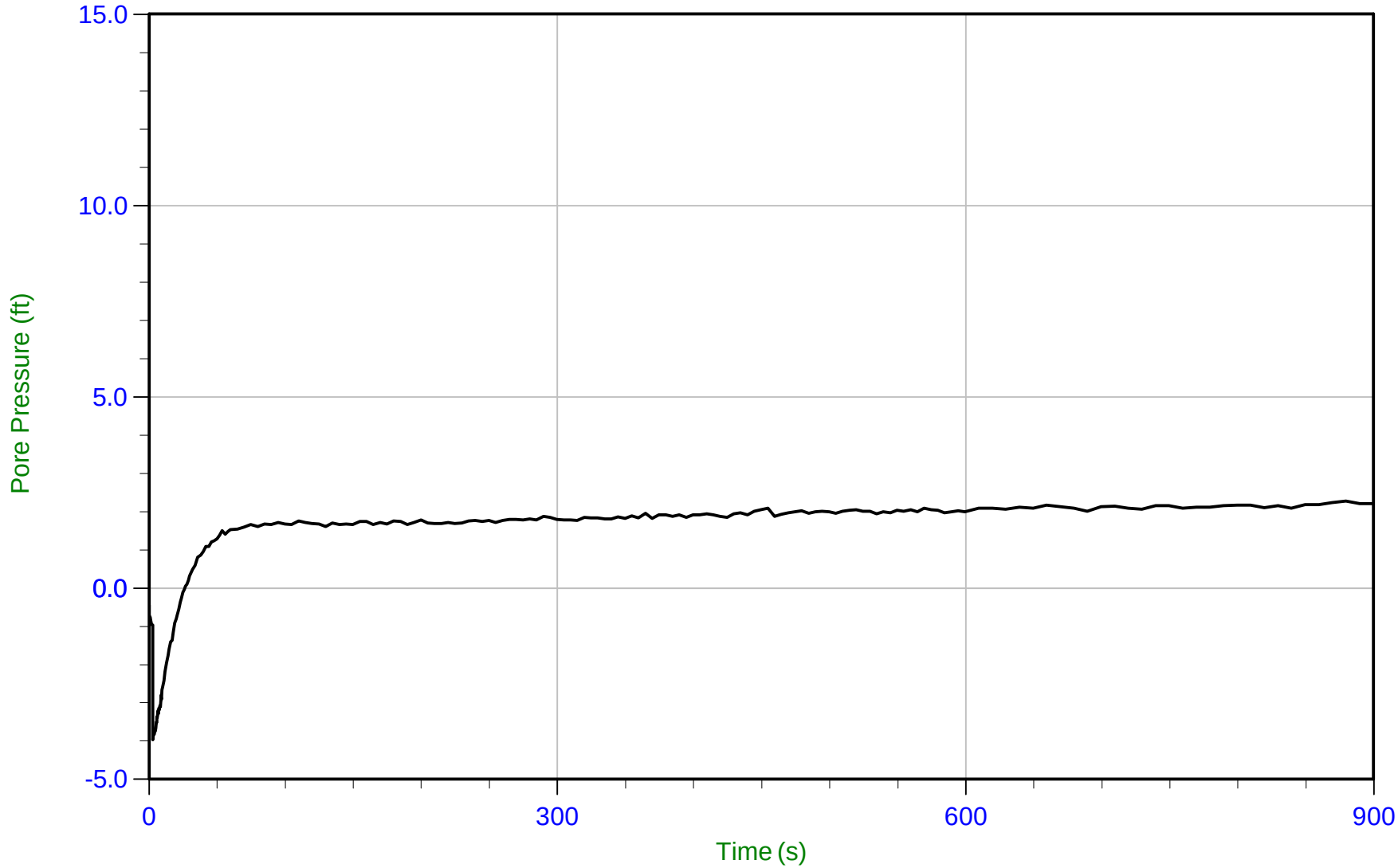
WT: 5.075 m / 16.650 ft
Ueq: 0.0 ft

CONETEC

AECOM

Job No: 23-52-25874
Date: 06/09/2023 06:37
Site: Las Animas Levee

Sounding: CPT-20
Cone: 825:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 23-52-25874_CP20.PPF2
Depth: 6.800 m / 22.309 ft
Duration: 900.0 s

u Min: -4.0 ft
u Max: 2.3 ft
u Final: 2.2 ft

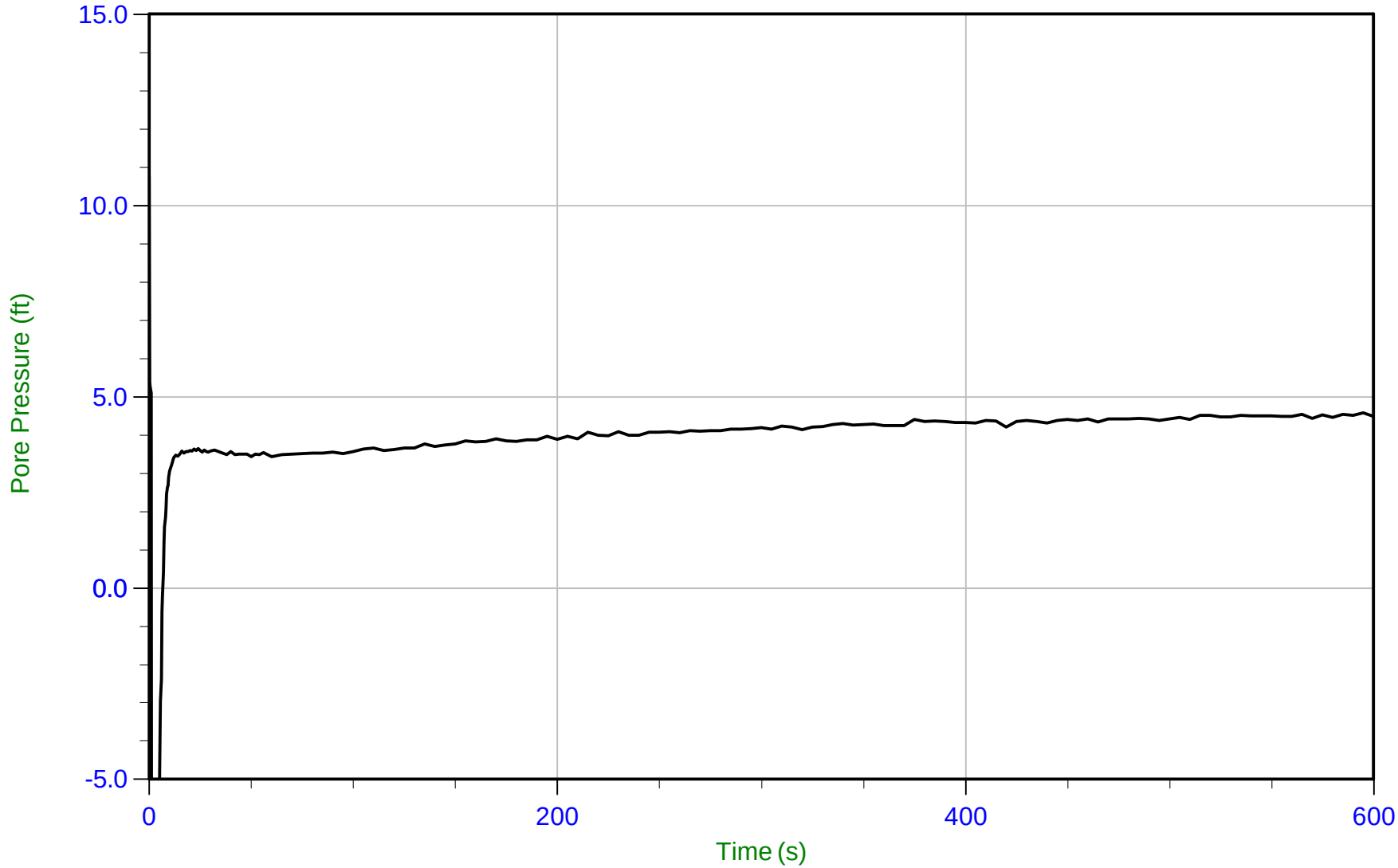
WT: 6.119 m / 20.077 ft
Ueq: 2.2 ft

CONETEC

AECOM

Job No: 23-52-25874
Date: 06/08/2023 13:34
Site: Las Animas Levee

Sounding: CPT-22
Cone: 825:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 23-52-25874_CP22.PPF2
Depth: 4.275 m / 14.025 ft
Duration: 600.0 s

u Min: -19.6 ft
u Max: 10.8 ft
u Final: 4.5 ft

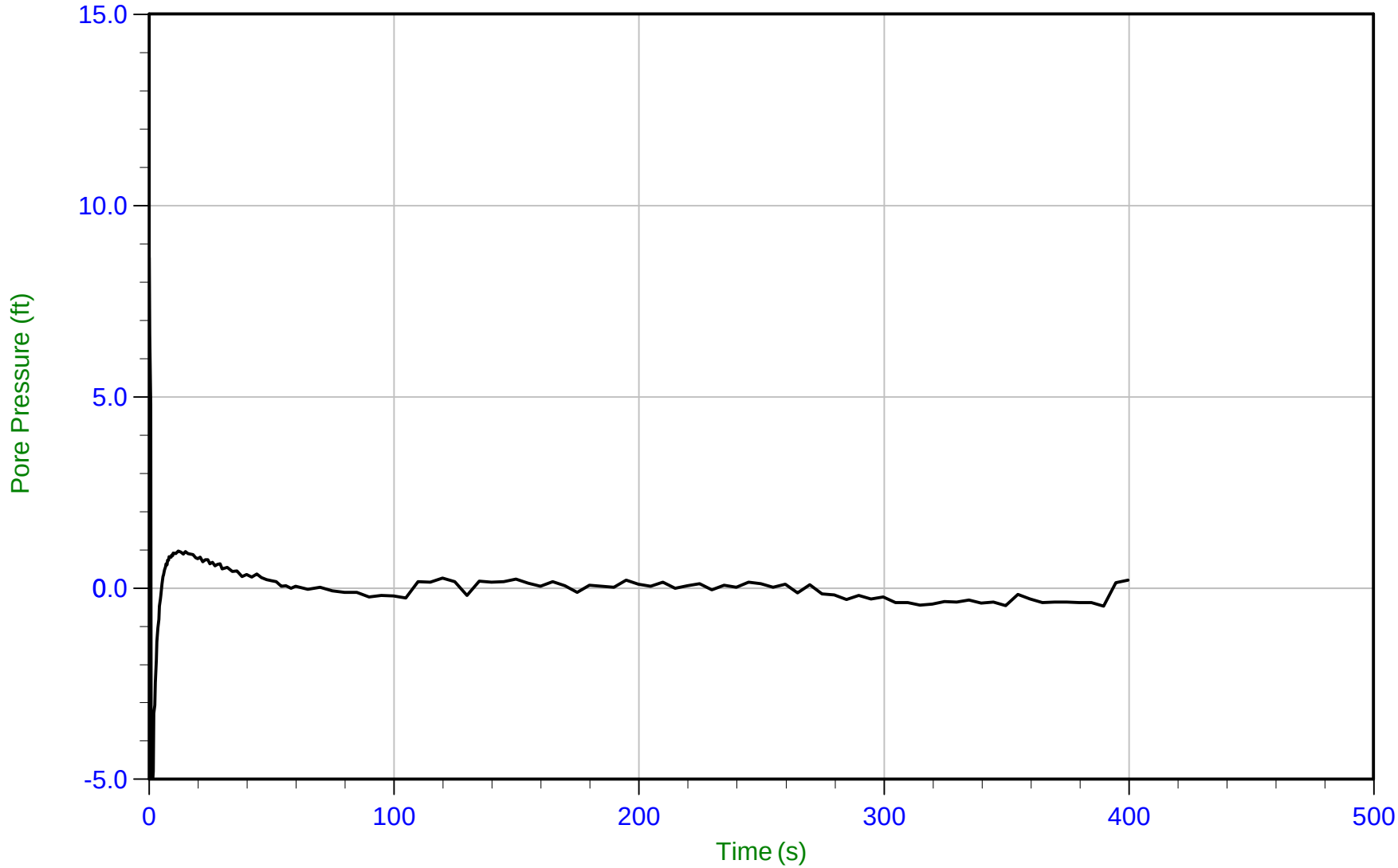
WT: 2.889 m / 9.479 ft
Ueq: 4.5 ft

CONETEC

AECOM

Job No: 23-52-25874
Date: 06/07/2023 12:09
Site: Las Animas Levee

Sounding: CPT-25
Cone: 825:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 23-52-25874_CP25.PPF2
Depth: 6.325 m / 20.751 ft
Duration: 400.0 s

u Min: -6.3 ft
u Max: 8.6 ft
u Final: 0.2 ft

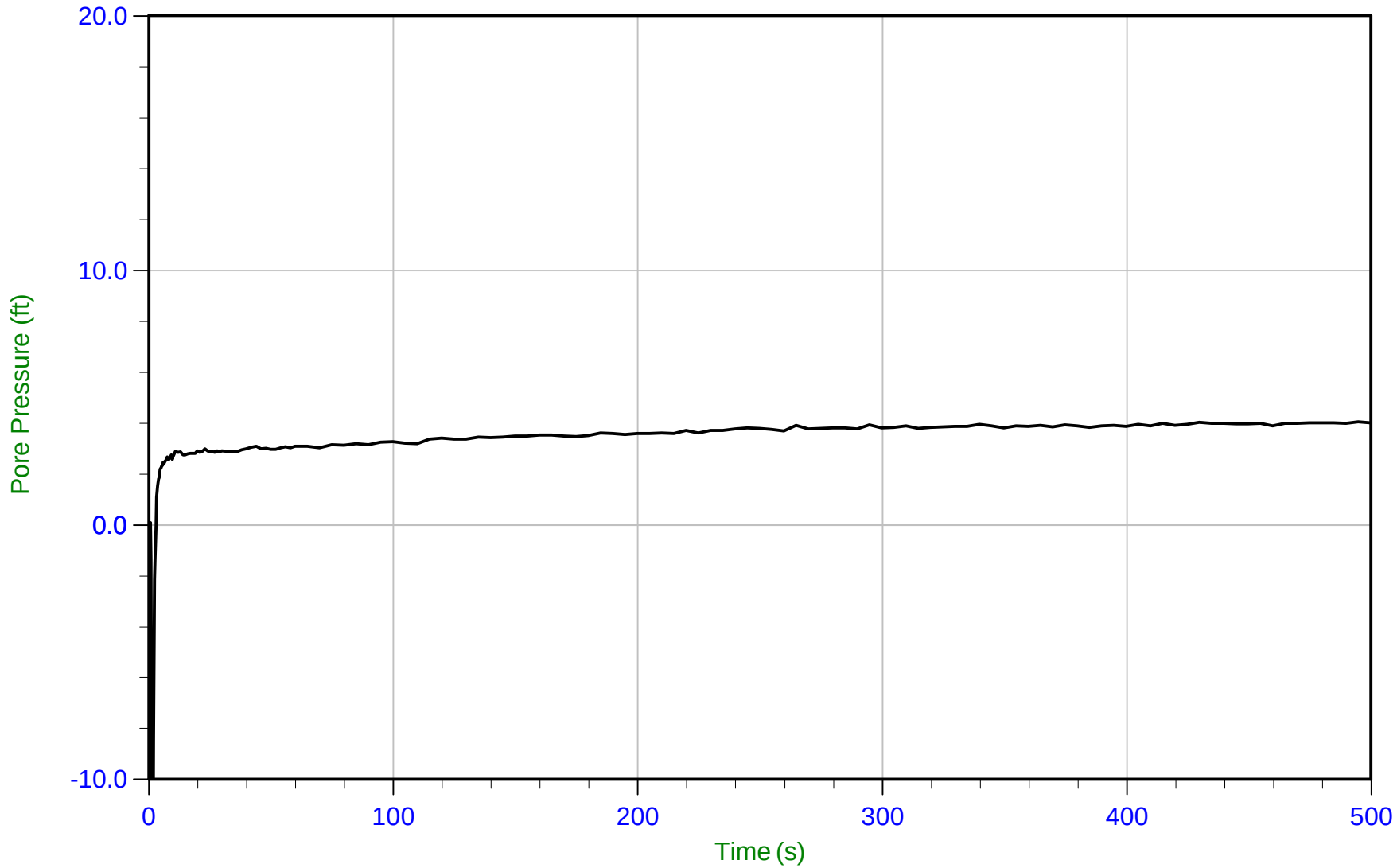
WT: 6.325 m / 20.751 ft
Ueq: 0.0 ft

CONETEC

AECOM

Job No: 23-52-25874
Date: 06/07/2023 13:23
Site: Las Animas Levee

Sounding: CPT-28
Cone: 825:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 23-52-25874_CP28.PPF2
Depth: 3.350 m / 10.991 ft
Duration: 500.0 s

u Min: -16.1 ft
u Max: 4.0 ft
u Final: 4.0 ft

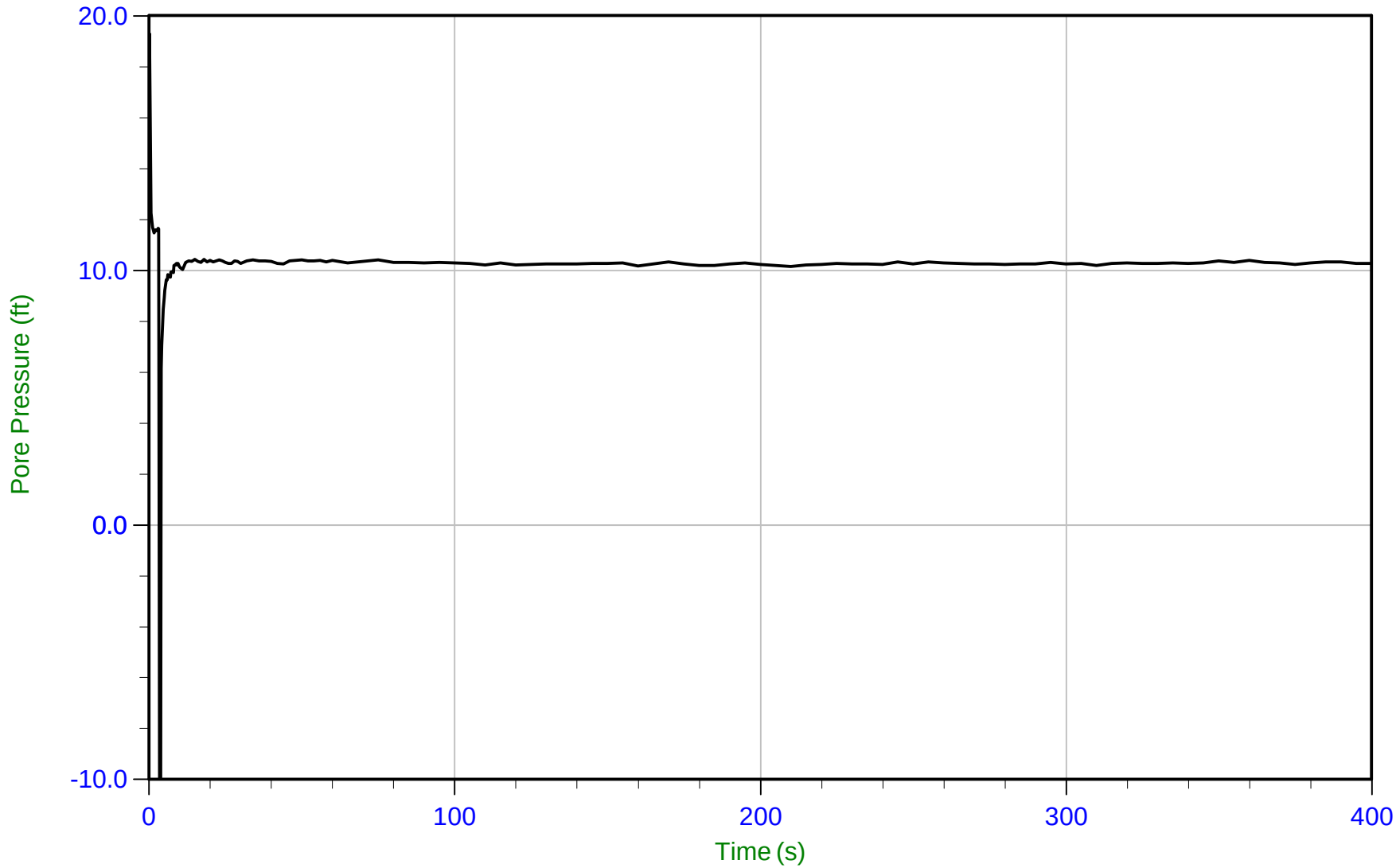
WT: 2.123 m / 6.964 ft
Ueq: 4.0 ft

CONETEC

AECOM

Job No: 23-52-25874
Date: 06/07/2023 13:23
Site: Las Animas Levee

Sounding: CPT-28
Cone: 825:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 23-52-25874_CP28.PPF2
Depth: 5.225 m / 17.142 ft
Duration: 400.0 s

u Min: -25.5 ft
u Max: 19.3 ft
u Final: 10.3 ft

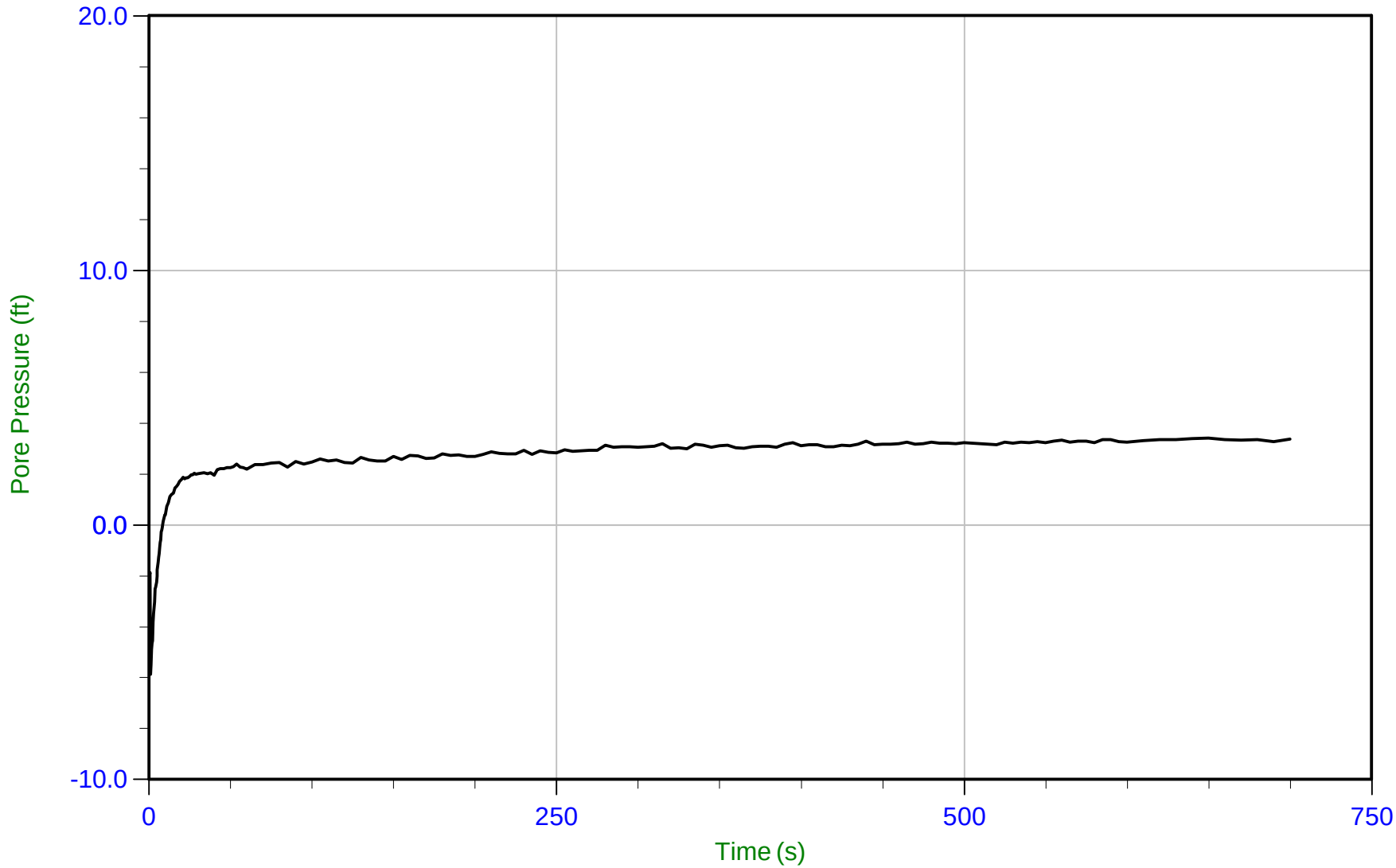
WT: 2.097 m / 6.879 ft
Ueq: 10.3 ft

CONETEC

AECOM

Job No: 23-52-25874
Date: 06/07/2023 08:30
Site: Las Animas Levee

Sounding: CPT-30
Cone: 825:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 23-52-25874_CP30.PPF2
Depth: 7.525 m / 24.688 ft
Duration: 700.0 s

u Min: -5.9 ft
u Max: 3.4 ft
u Final: 3.4 ft

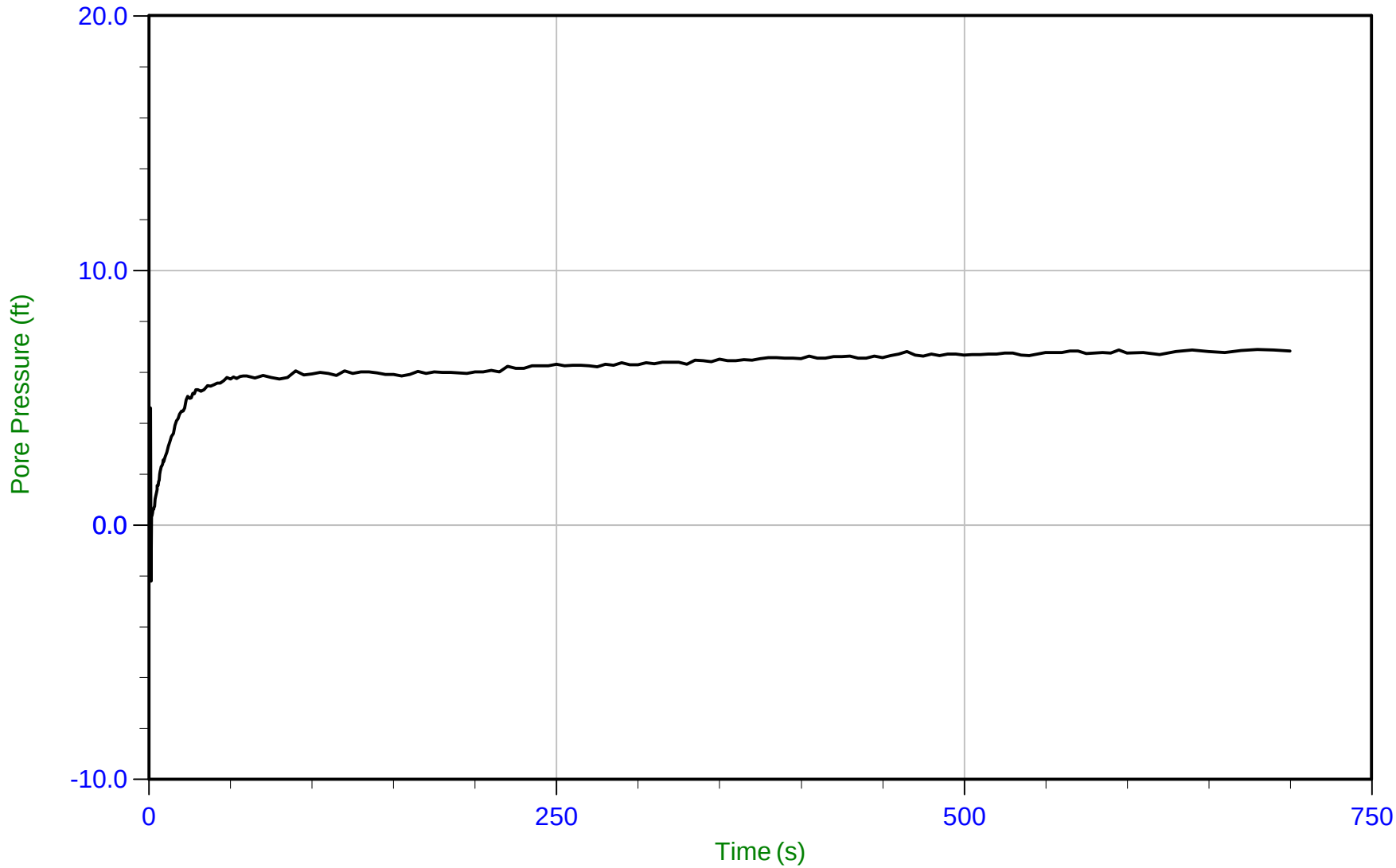
WT: 6.499 m / 21.321 ft
Ueq: 3.4 ft

CONETEC

AECOM

Job No: 23-52-25874
Date: 06/07/2023 06:27
Site: Las Animas Levee

Sounding: CPT-32
Cone: 825:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 23-52-25874_CP32.PPF2
Depth: 8.700 m / 28.543 ft
Duration: 700.0 s

u Min: -2.2 ft
u Max: 6.9 ft
u Final: 6.8 ft

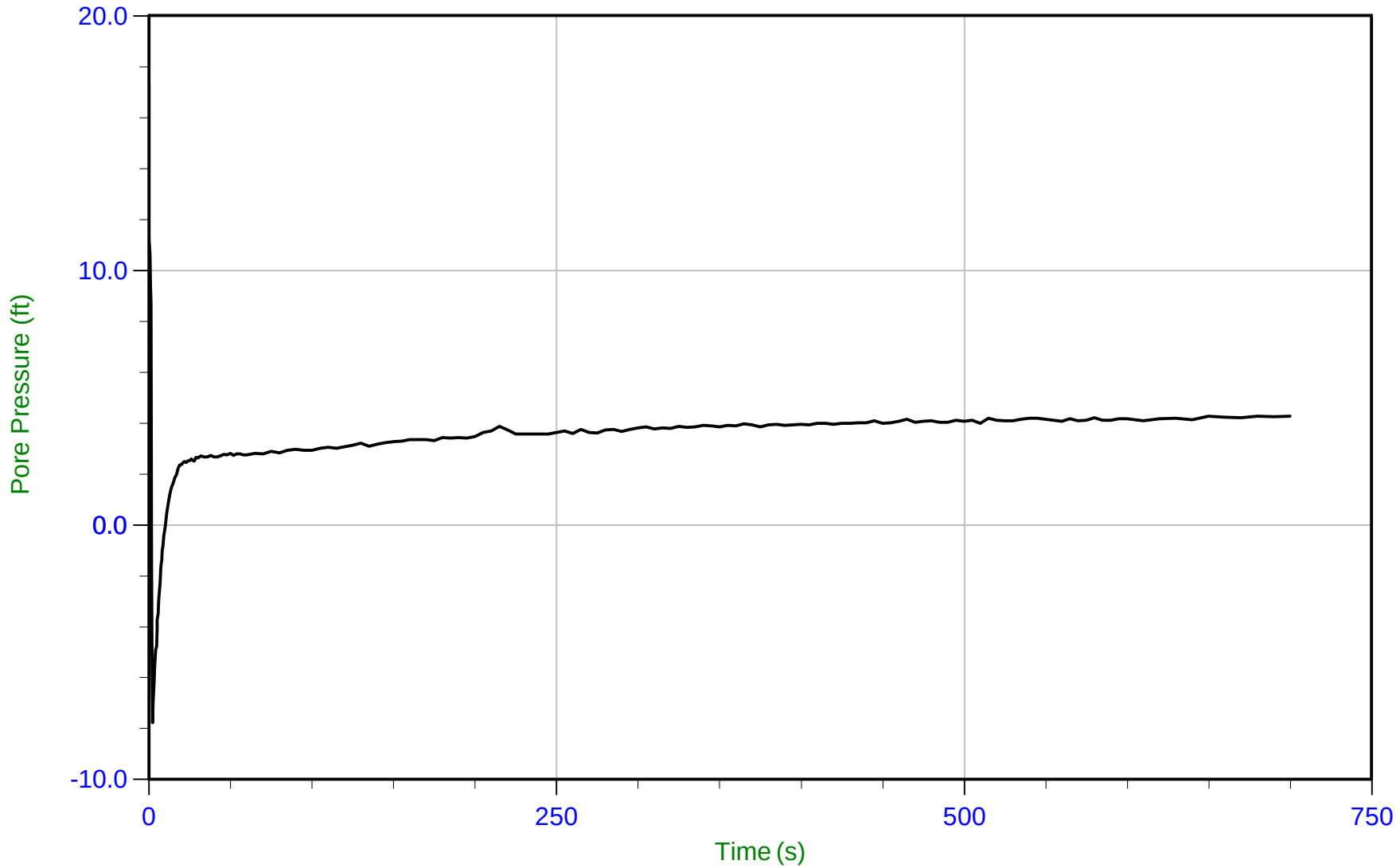
WT: 6.603 m / 21.662 ft
Ueq: 6.9 ft

CONETEC

AECOM

Job No: 23-52-25874
Date: 06/11/2023 11:11
Site: Las Animas Levee

Sounding: CPT-35
Cone: 825:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 23-52-25874_CP35.PPF2
Depth: 3.750 m / 12.303 ft
Duration: 700.0 s

u Min: -7.8 ft
u Max: 17.3 ft
u Final: 4.3 ft

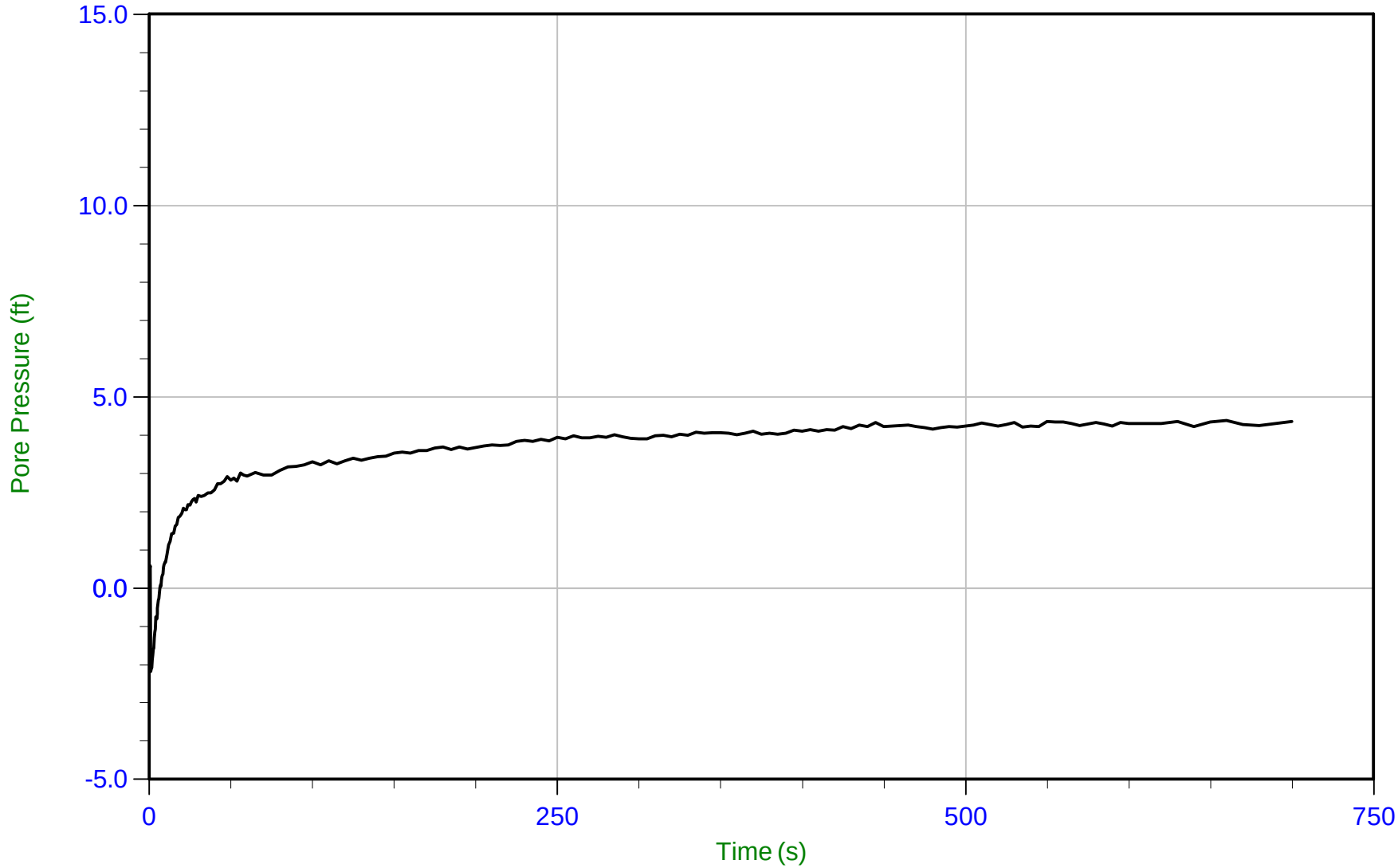
WT: 2.447 m / 8.028 ft
Ueq: 4.3 ft

CONETEC

AECOM

Job No: 23-52-25874
Date: 06/06/2023 11:30
Site: Las Animas Levee

Sounding: CPT-37A
Cone: 825:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 23-52-25874_CP37A.PPF2
Depth: 7.875 m / 25.836 ft
Duration: 700.0 s

u Min: -2.2 ft
u Max: 4.4 ft
u Final: 4.4 ft

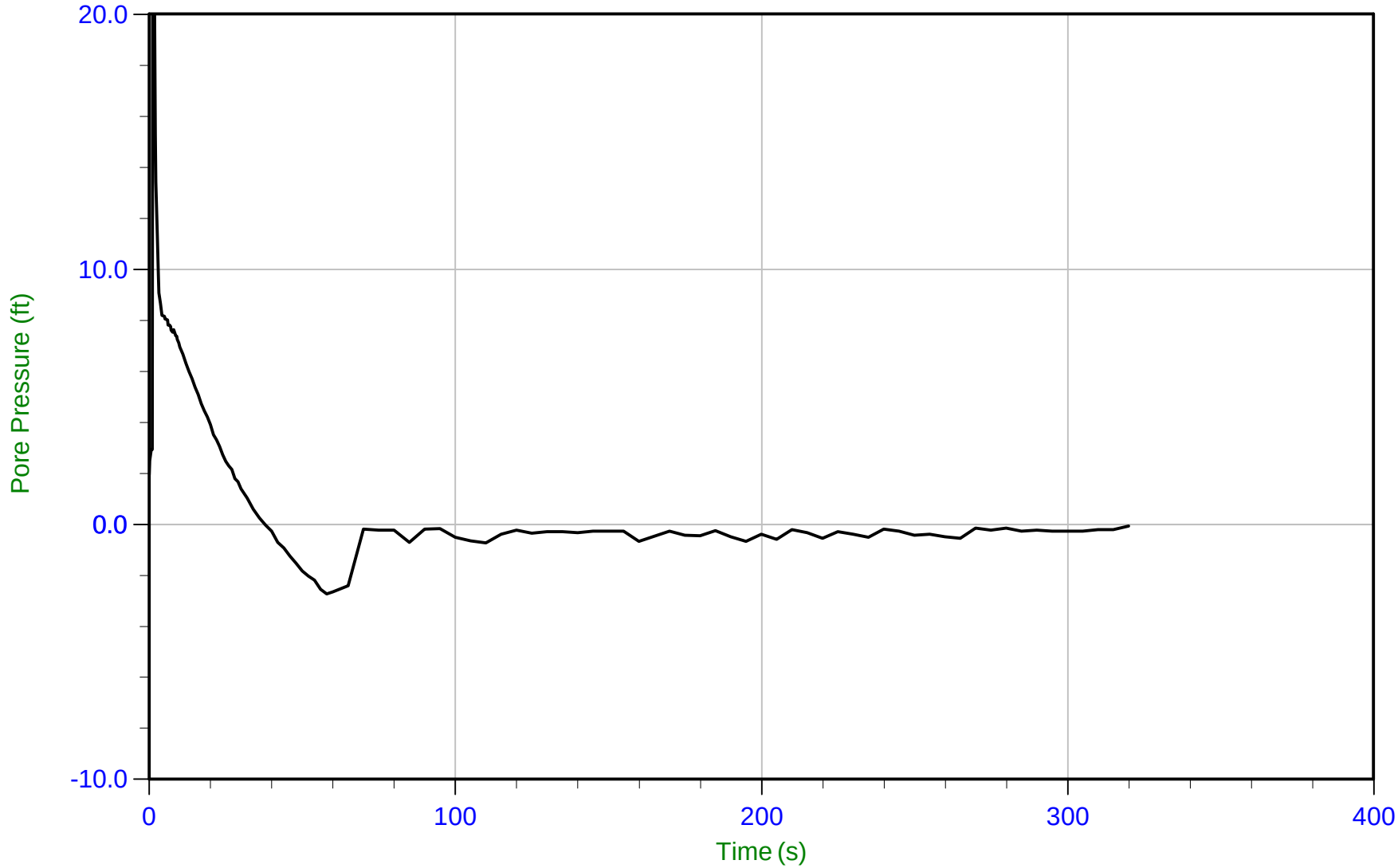
WT: 6.550 m / 21.488 ft
Ueq: 4.3 ft

CONETEC

AECOM

Job No: 23-52-25874
Date: 06/06/2023 08:45
Site: Las Animas Levee

Sounding: CPT-39
Cone: 825:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 23-52-25874_CP39.PPF2
Depth: 3.950 m / 12.959 ft
Duration: 320.0 s

u Min: -2.7 ft
u Max: 25.1 ft
u Final: -0.1 ft

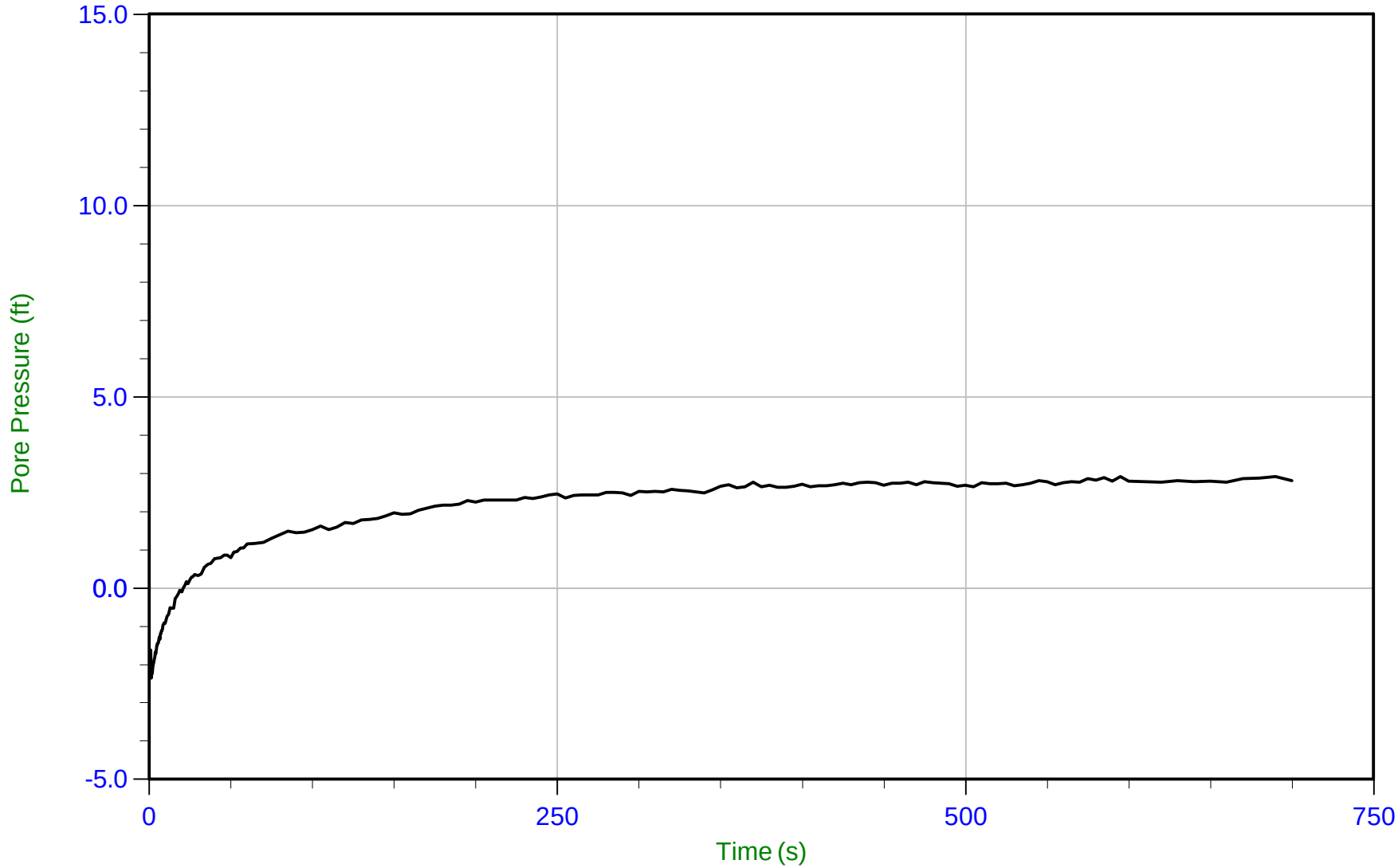
WT: 3.950 m / 12.959 ft
Ueq: 0.0 ft

CONETEC

AECOM

Job No: 23-52-25874
Date: 06/06/2023 08:45
Site: Las Animas Levee

Sounding: CPT-39
Cone: 825:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 23-52-25874_CP39.PPF2
Depth: 7.275 m / 23.868 ft
Duration: 700.0 s

u Min: -2.4 ft
u Max: 2.9 ft
u Final: 2.8 ft

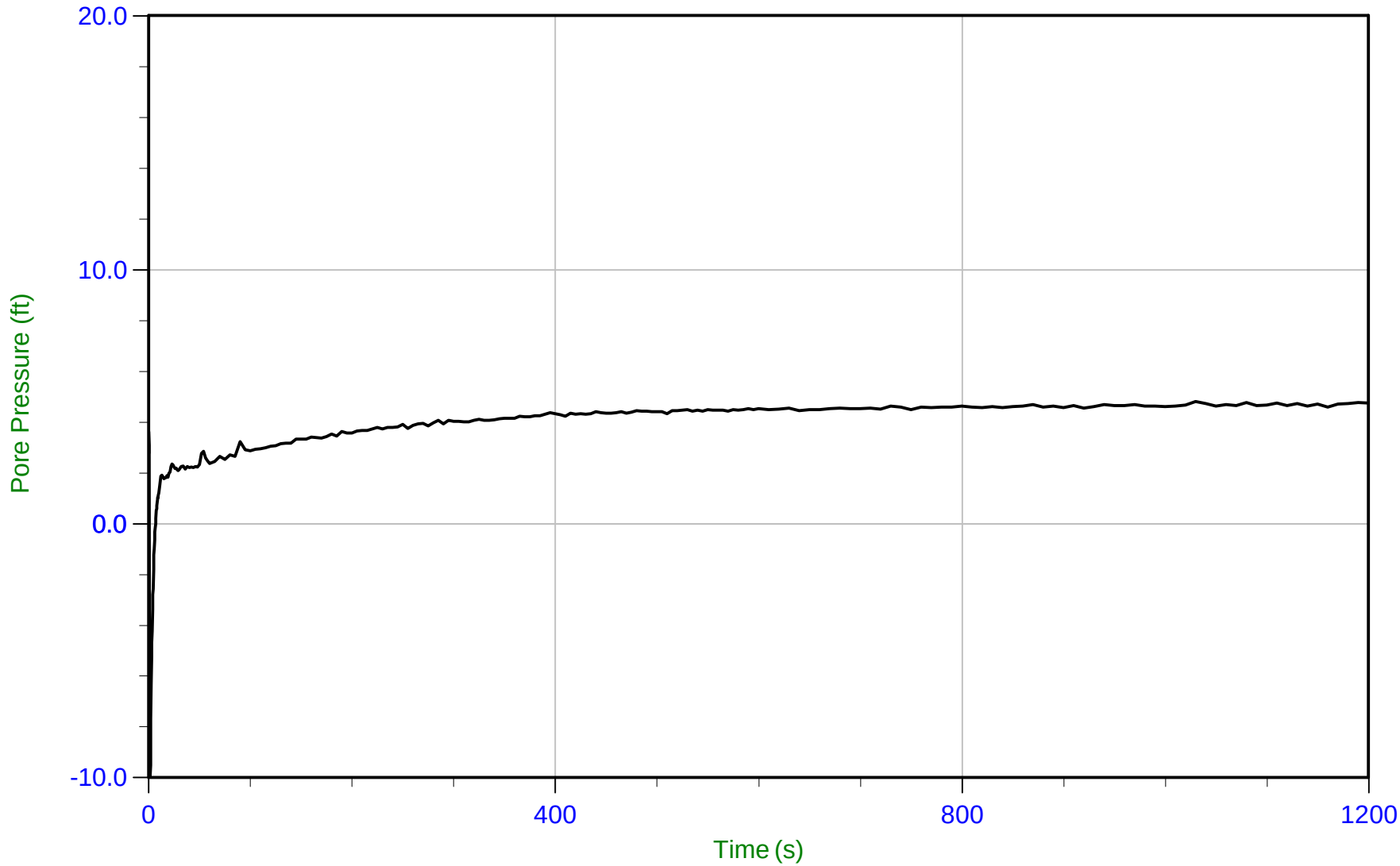
WT: 6.414 m / 21.042 ft
Ueq: 2.8 ft

CONETEC

AECOM

Job No: 23-52-25874
Date: 06/11/2023 13:53
Site: Las Animas Levee

Sounding: CPT-41
Cone: 825:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 23-52-25874_CP41.PPF2
Depth: 3.775 m / 12.385 ft
Duration: 1200.0 s

u Min: -11.7 ft
u Max: 4.8 ft
u Final: 4.8 ft

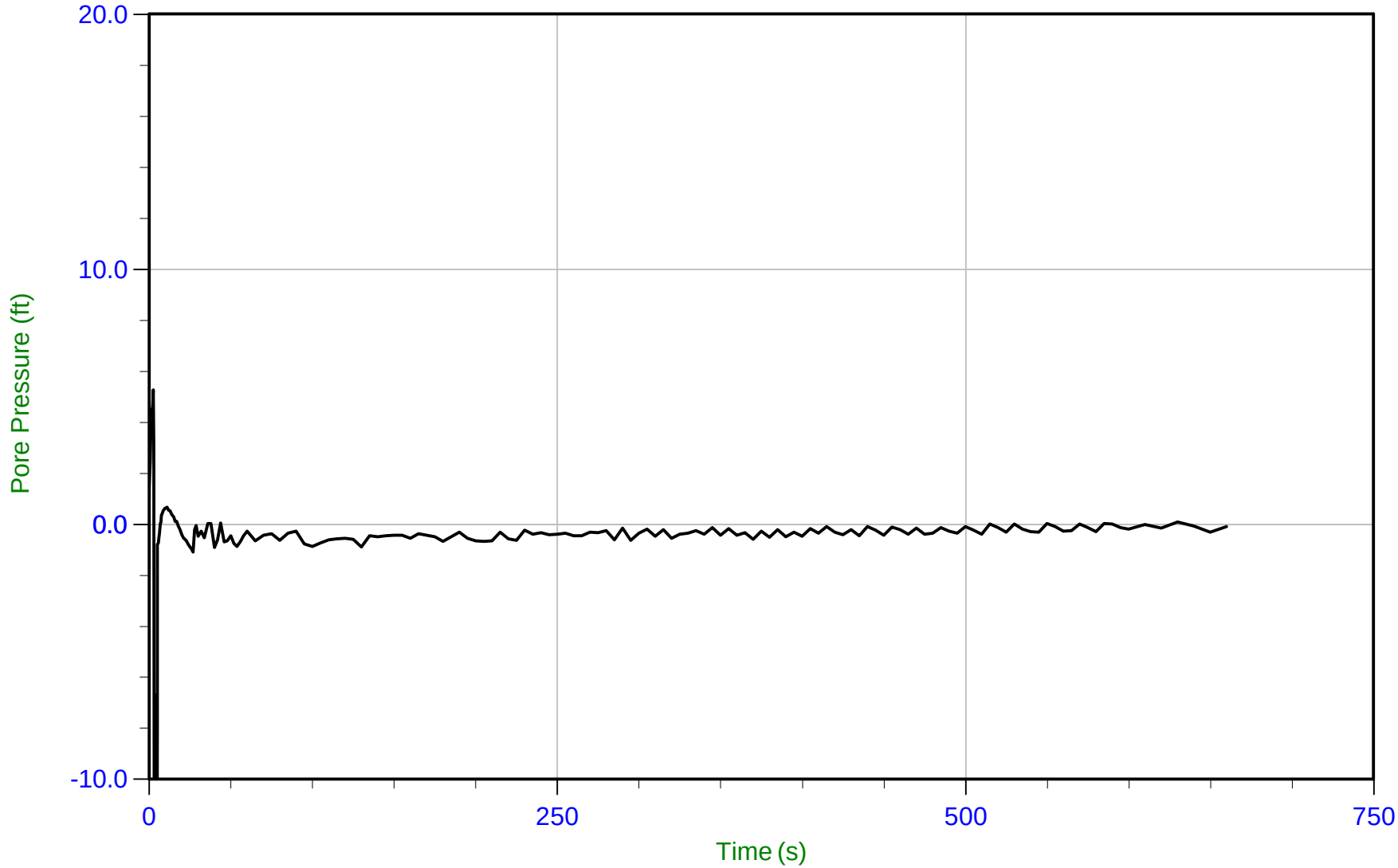
WT: 2.334 m / 7.656 ft
Ueq: 4.7 ft

CONETEC

AECOM

Job No: 23-52-25874
Date: 06/05/2023 13:57
Site: Las Animas Levee

Sounding: CPT-42
Cone: 825:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 23-52-25874_CP42.PPF2
Depth: 3.875 m / 12.713 ft
Duration: 660.0 s

u Min: -16.3 ft
u Max: 5.3 ft
u Final: -0.1 ft

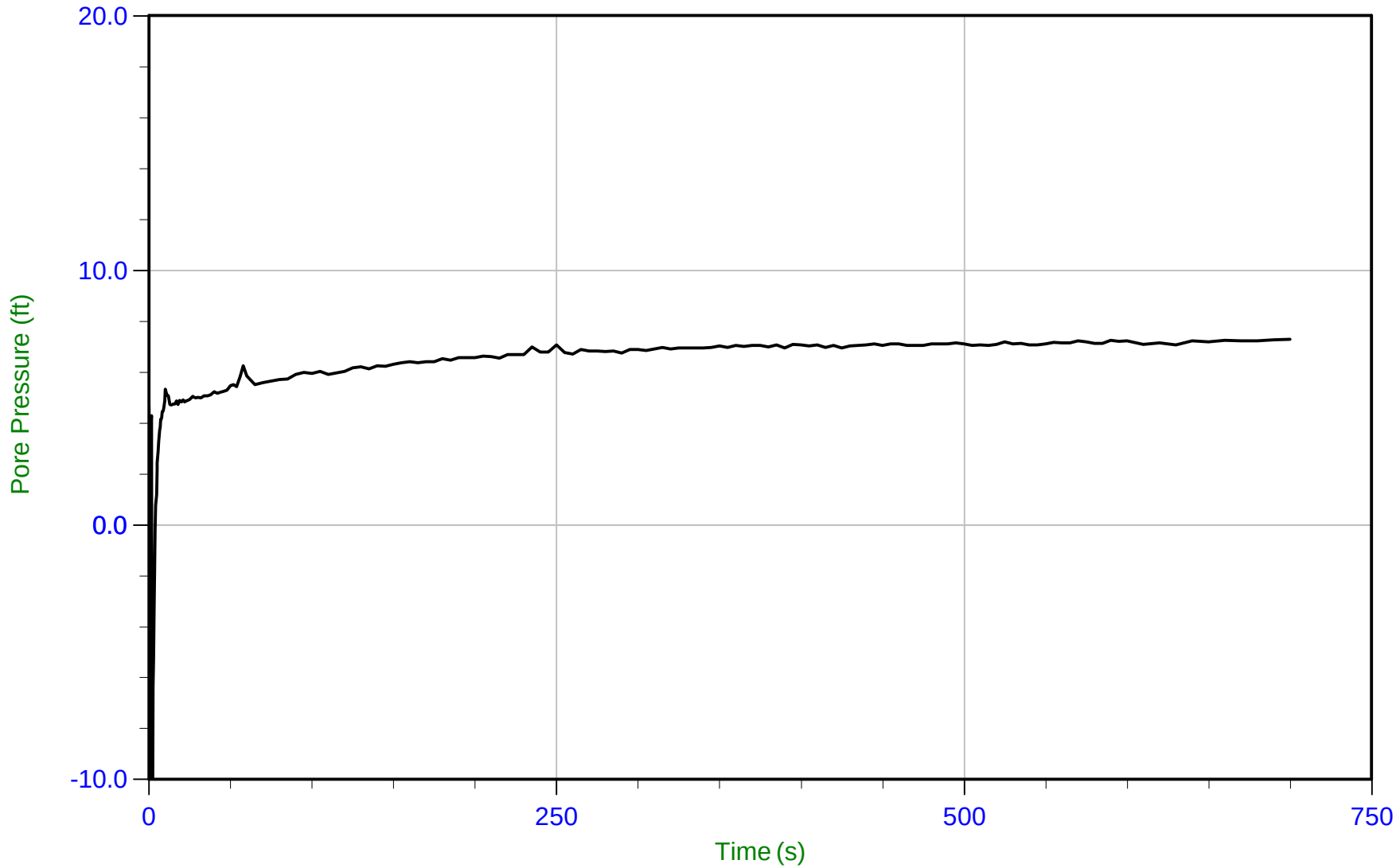
WT: 3.875 m / 12.713 ft
Ueq: 0.0 ft

CONETEC

AECOM

Job No: 23-52-25874
Date: 06/06/2023 06:45
Site: Las Animas Levee

Sounding: CPT-43
Cone: 825:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 23-52-25874_CP43.PPF2
Depth: 4.175 m / 13.697 ft
Duration: 700.0 s

u Min: -12.1 ft
u Max: 7.3 ft
u Final: 7.3 ft

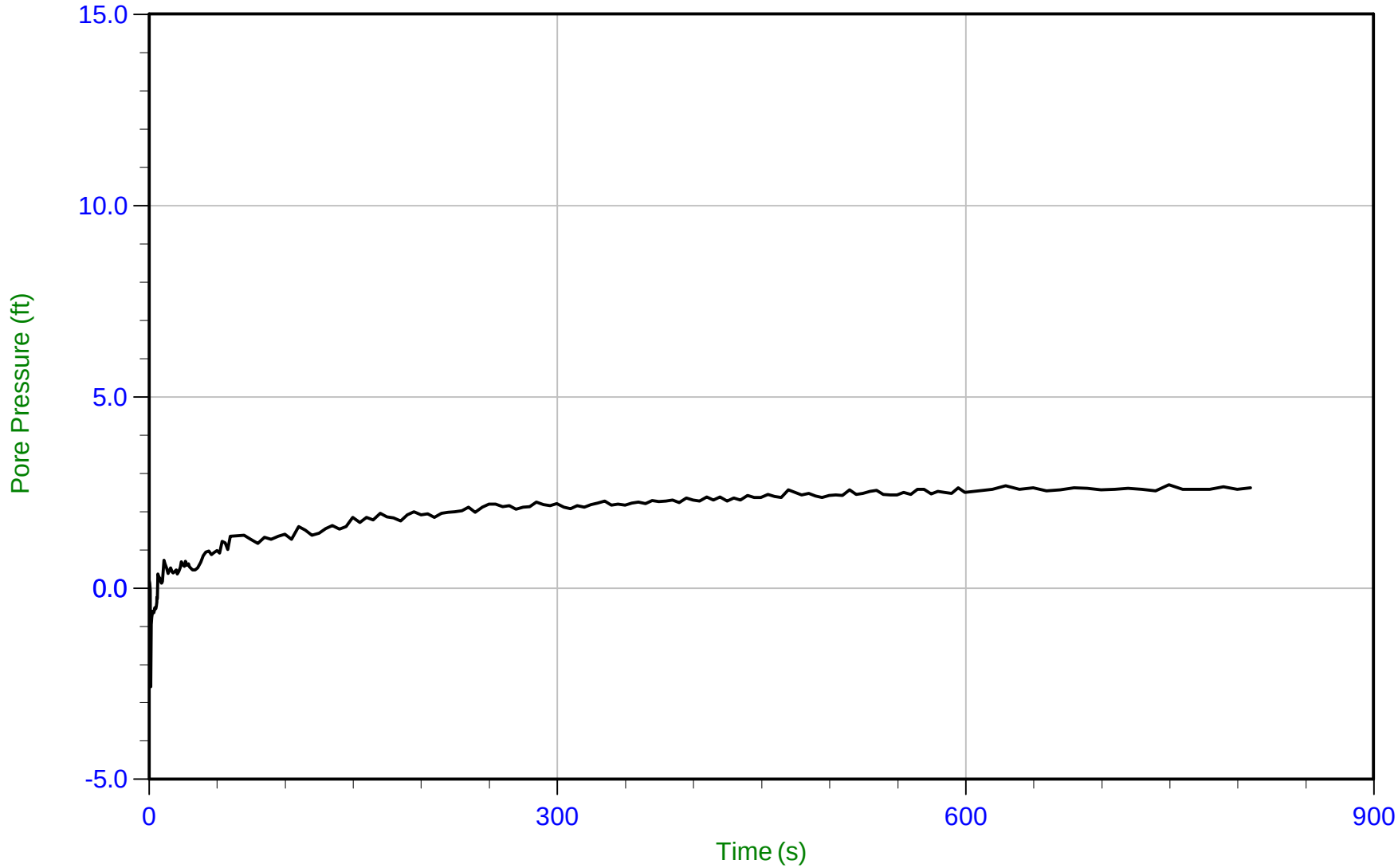
WT: 1.953 m / 6.406 ft
Ueq: 7.3 ft

CONETEC

AECOM

Job No: 23-52-25874
Date: 06/05/2023 12:53
Site: Las Animas Levee

Sounding: CPT-44
Cone: 825:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 23-52-25874_CP44.PPF2
Depth: 6.825 m / 22.391 ft
Duration: 810.0 s

u Min: -2.6 ft
u Max: 2.7 ft
u Final: 2.6 ft

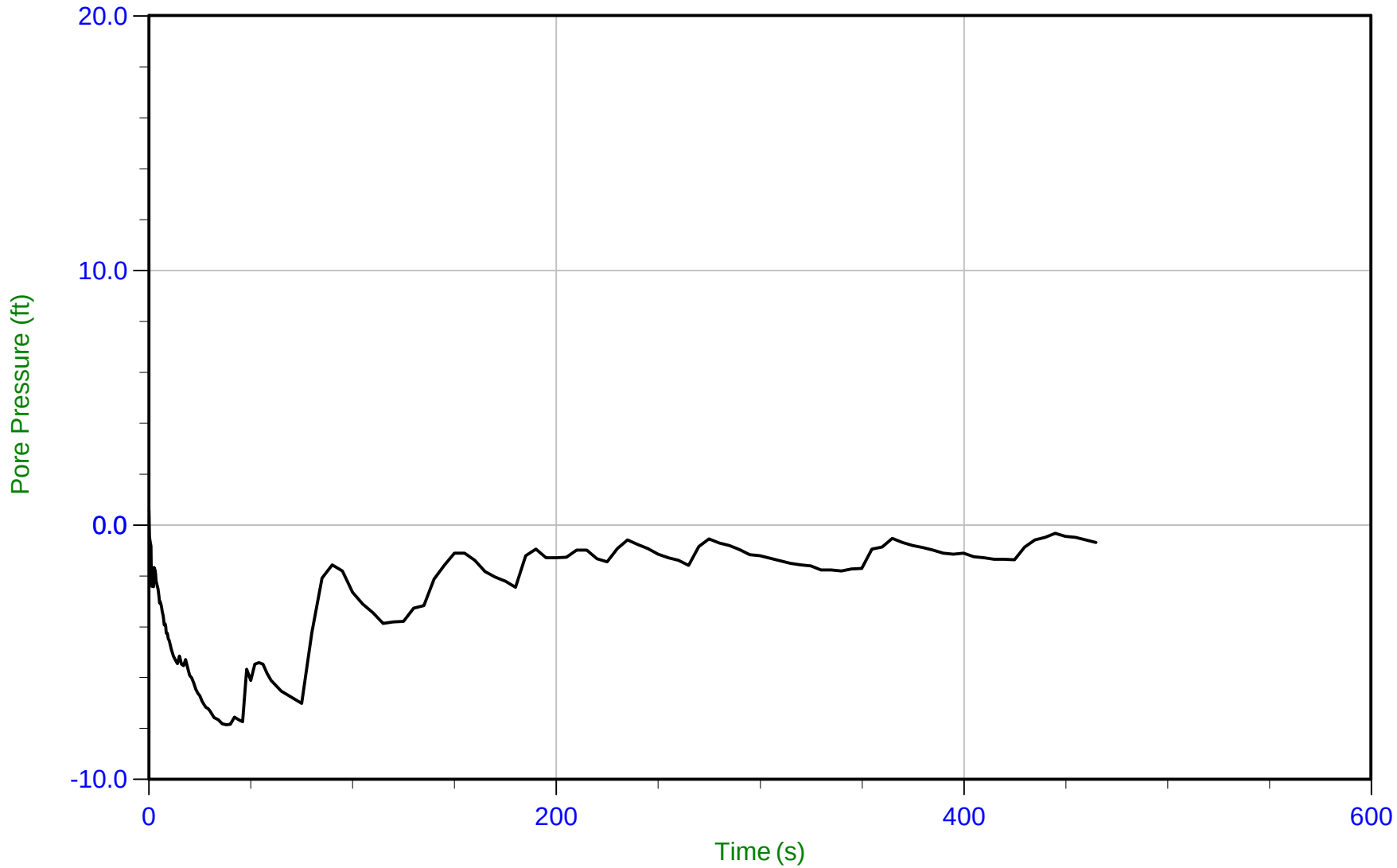
WT: 6.031 m / 19.785 ft
Ueq: 2.6 ft

CONETEC

AECOM

Job No: 23-52-25874
Date: 06/05/2023 11:50
Site: Las Animas Levee

Sounding: CPT-45
Cone: 825:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 23-52-25874_CP45.PPF2
Depth: 4.475 m / 14.682 ft
Duration: 465.0 s

u Min: -7.8 ft
u Max: 0.6 ft
u Final: -0.7 ft

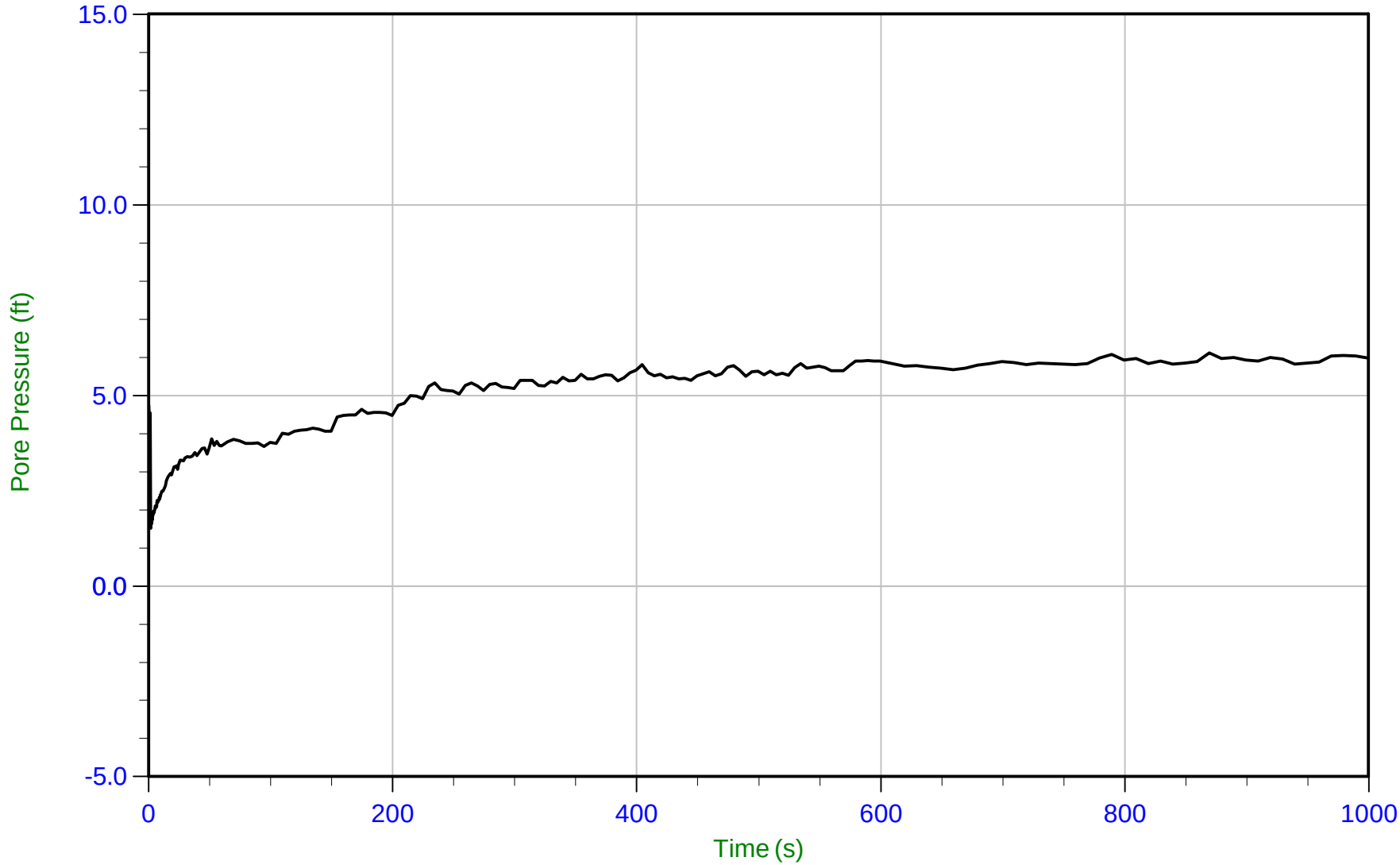
WT: 4.475 m / 14.682 ft
Ueq: 0.0 ft

CONETEC

AECOM

Job No: 23-52-25874
Date: 06/05/2023 11:50
Site: Las Animas Levee

Sounding: CPT-45
Cone: 825:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 23-52-25874_CP45.PPF2
Depth: 7.675 m / 25.180 ft
Duration: 1000.0 s

u Min: 1.5 ft
u Max: 6.1 ft
u Final: 6.0 ft

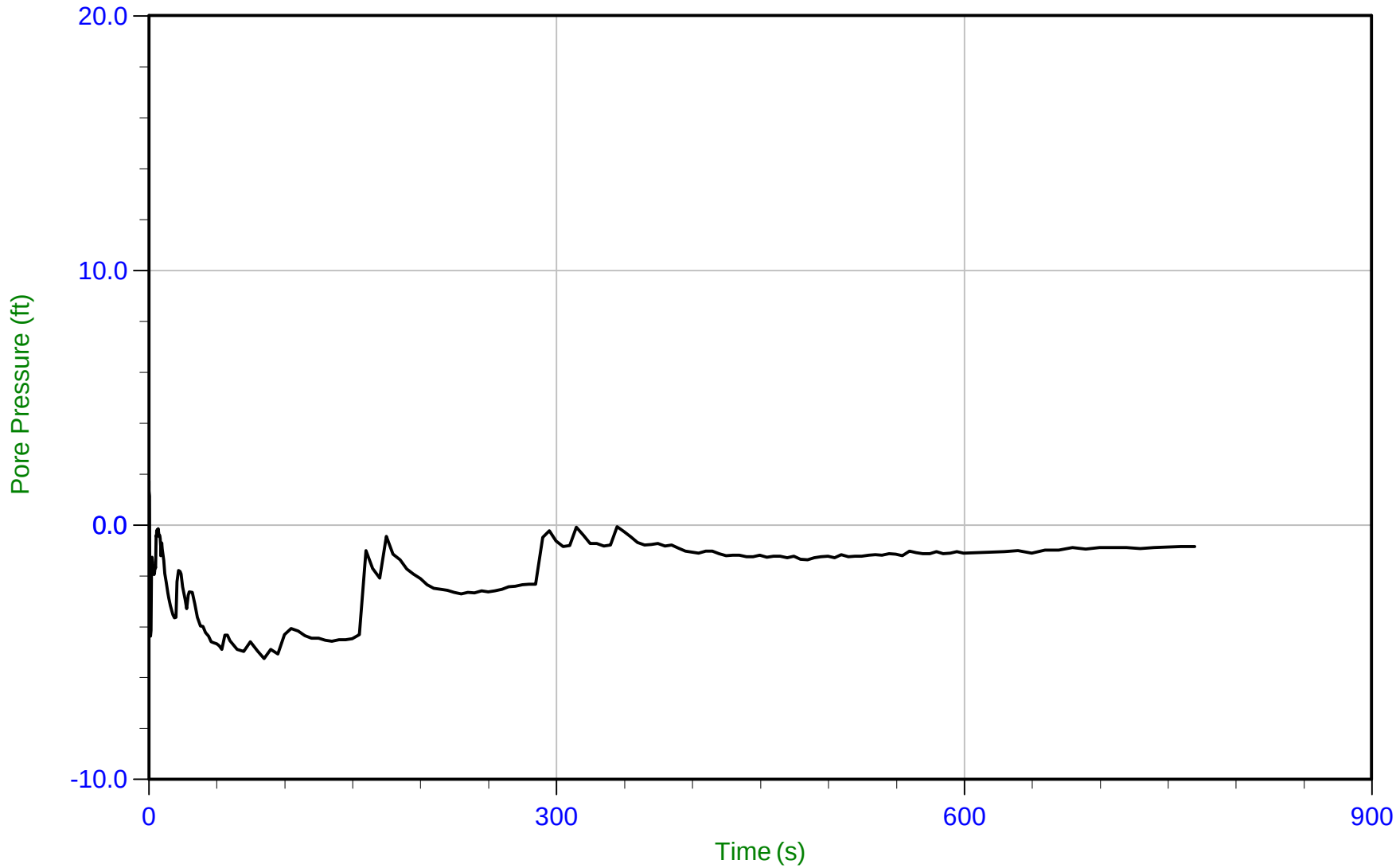
WT: 5.860 m / 19.224 ft
Ueq: 6.0 ft

CONETEC

AECOM

Job No: 23-52-25874
Date: 06/05/2023 10:48
Site: Las Animas Levee

Sounding: CPT-46
Cone: 825:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 23-52-25874_CP46.PPF2
Depth: 4.875 m / 15.994 ft
Duration: 770.0 s

u Min: -5.2 ft
u Max: 1.7 ft
u Final: -0.8 ft

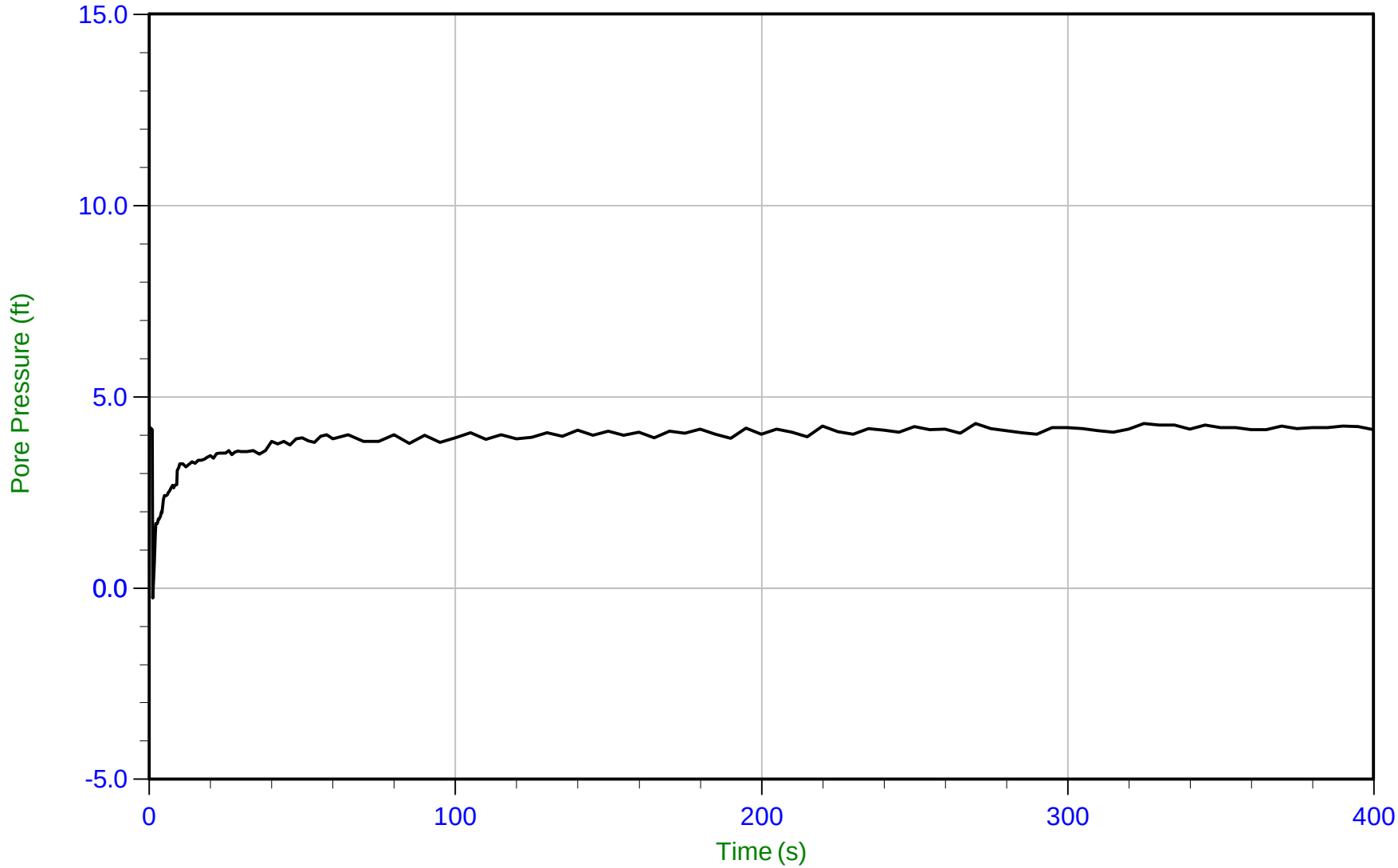
WT: 4.875 m / 15.994 ft
Ueq: 0.0 ft

CONETEC

AECOM

Job No: 23-52-25874
Date: 06/05/2023 10:48
Site: Las Animas Levee

Sounding: CPT-46
Cone: 825:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 23-52-25874_CP46.PPF2
Depth: 6.875 m / 22.556 ft
Duration: 400.0 s

u Min: -0.3 ft
u Max: 4.3 ft
u Final: 4.1 ft

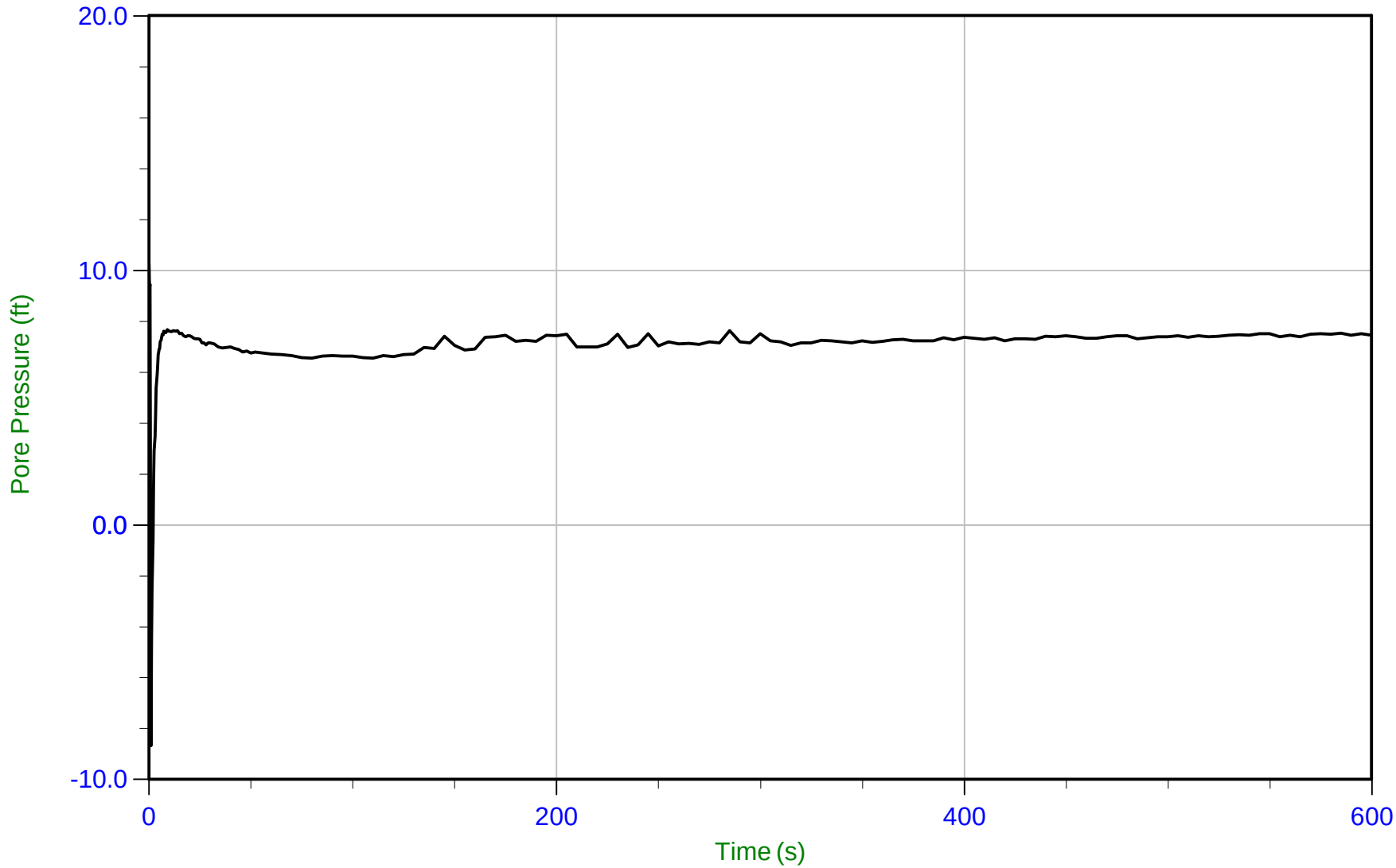
WT: 5.600 m / 18.371 ft
Ueq: 4.2 ft

CONETEC

AECOM

Job No: 23-52-25874
Date: 06/05/2023 07:56
Site: Las Animas Levee

Sounding: CPT-48
Cone: 825:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 23-52-25874_CP48.PPF2
Depth: 6.925 m / 22.720 ft
Duration: 600.0 s

u Min: -8.7 ft
u Max: 10.2 ft
u Final: 7.5 ft

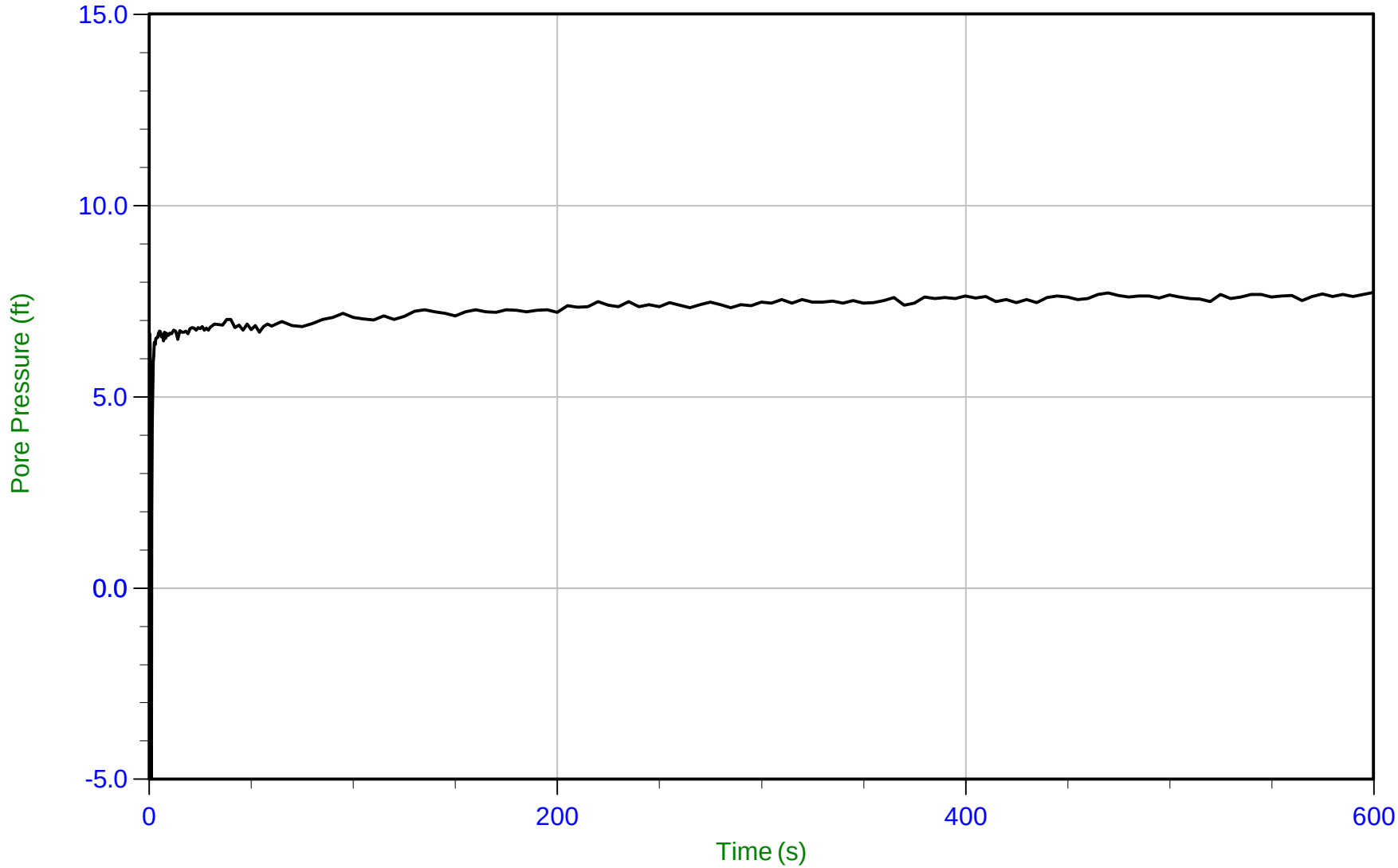
WT: 4.645 m / 15.238 ft
Ueq: 7.5 ft

CONETEC

AECOM

Job No: 23-52-25874
Date: 06/05/2023 09:51
Site: Las Animas Levee

Sounding: CPT-50
Cone: 825:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 23-52-25874_CP50.PPF2
Depth: 3.125 m / 10.253 ft
Duration: 600.0 s

u Min: -9.2 ft
u Max: 7.7 ft
u Final: 7.7 ft

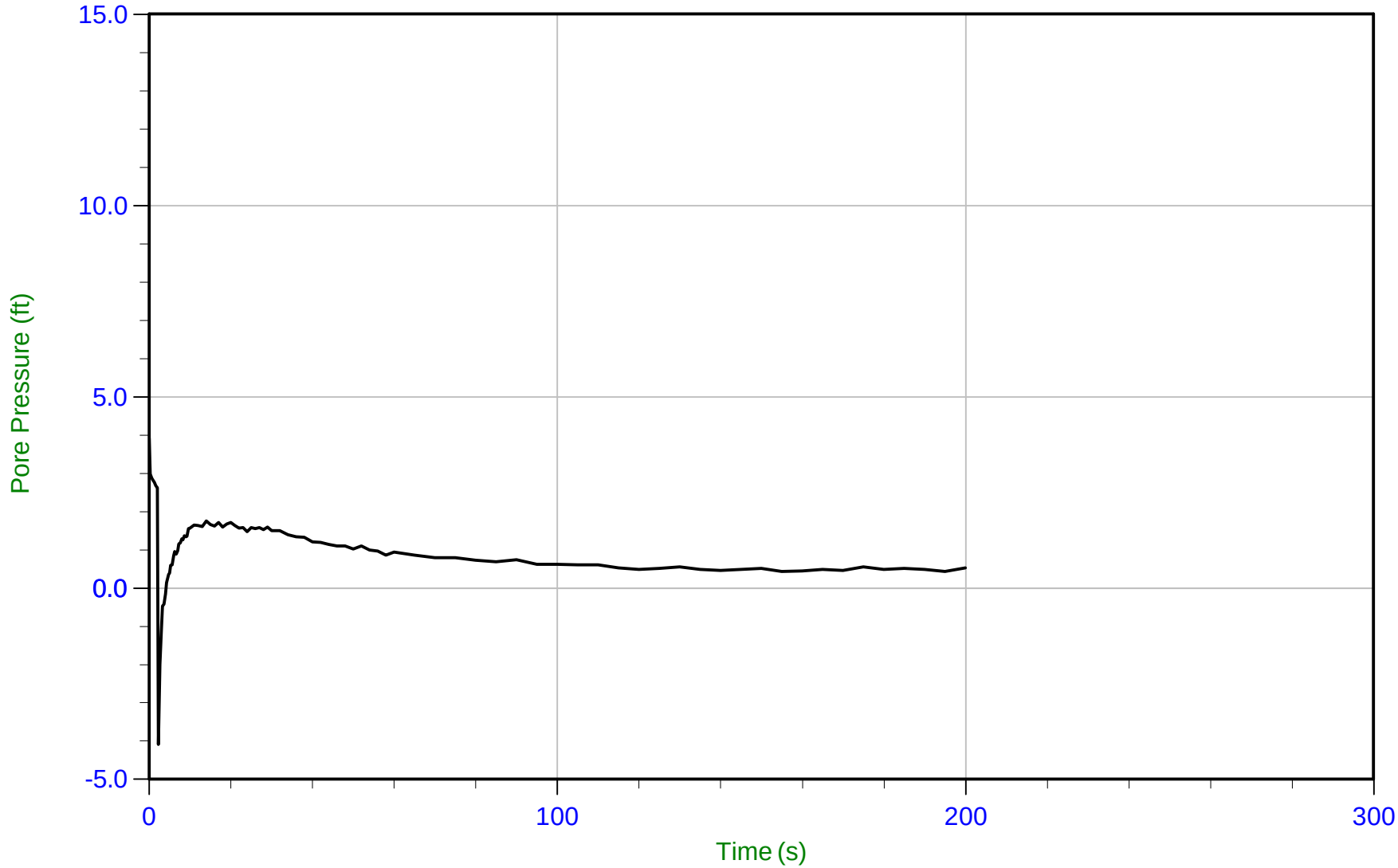
WT: 0.795 m / 2.610 ft
Ueq: 7.6 ft

CONETEC

AECOM

Job No: 23-52-25874
Date: 06/04/2023 13:12
Site: Las Animas Levee

Sounding: CPT-52
Cone: 825:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 23-52-25874_CP52.PPF2
Depth: 6.100 m / 20.013 ft
Duration: 200.0 s

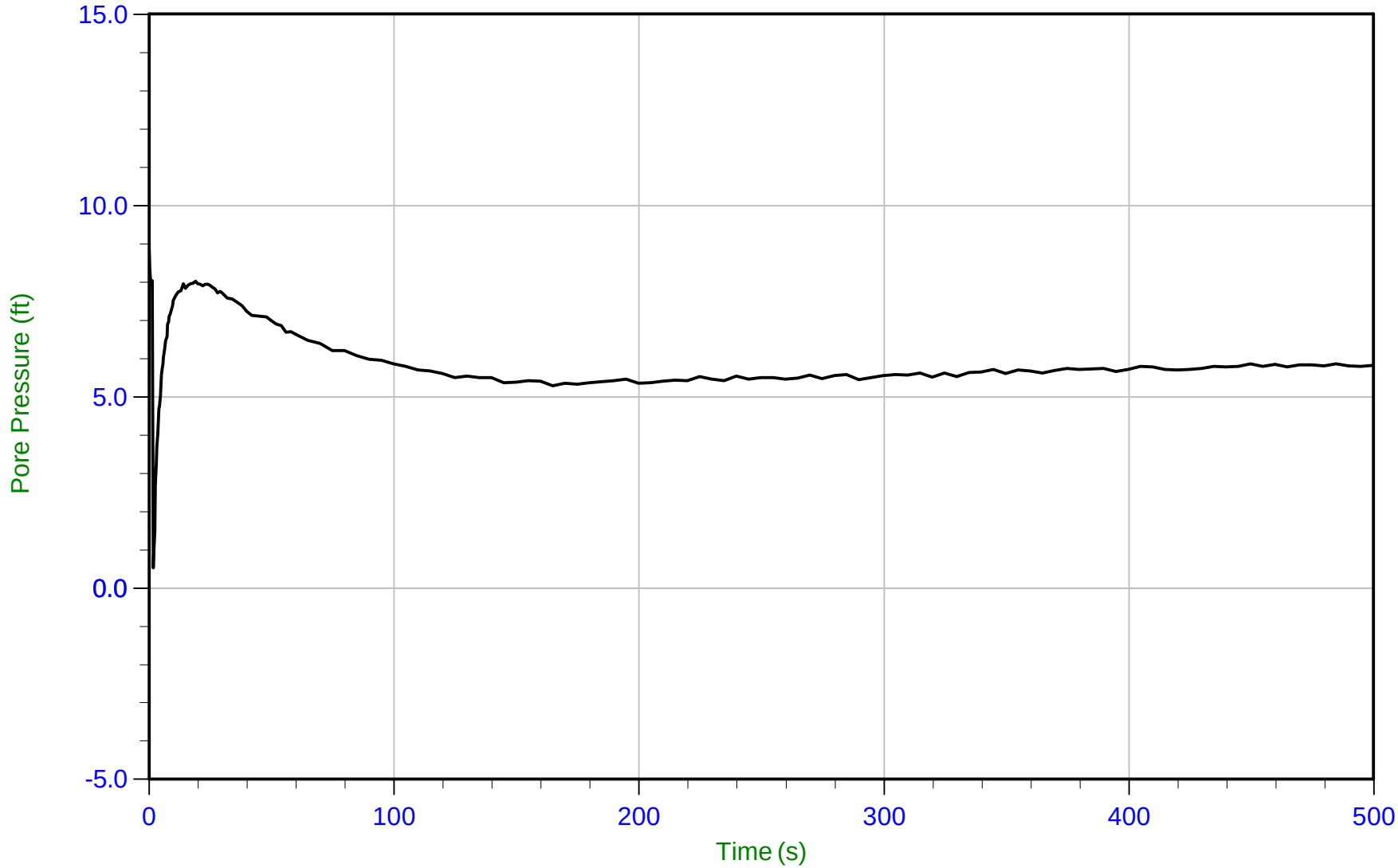
u Min: -4.1 ft
u Max: 3.9 ft
u Final: 0.5 ft

CONETEC

AECOM

Job No: 23-52-25874
Date: 06/04/2023 13:12
Site: Las Animas Levee

Sounding: CPT-52
Cone: 825:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 23-52-25874_CP52.PPF2
Depth: 7.625 m / 25.016 ft
Duration: 500.0 s

u Min: 0.5 ft
u Max: 8.8 ft
u Final: 5.8 ft

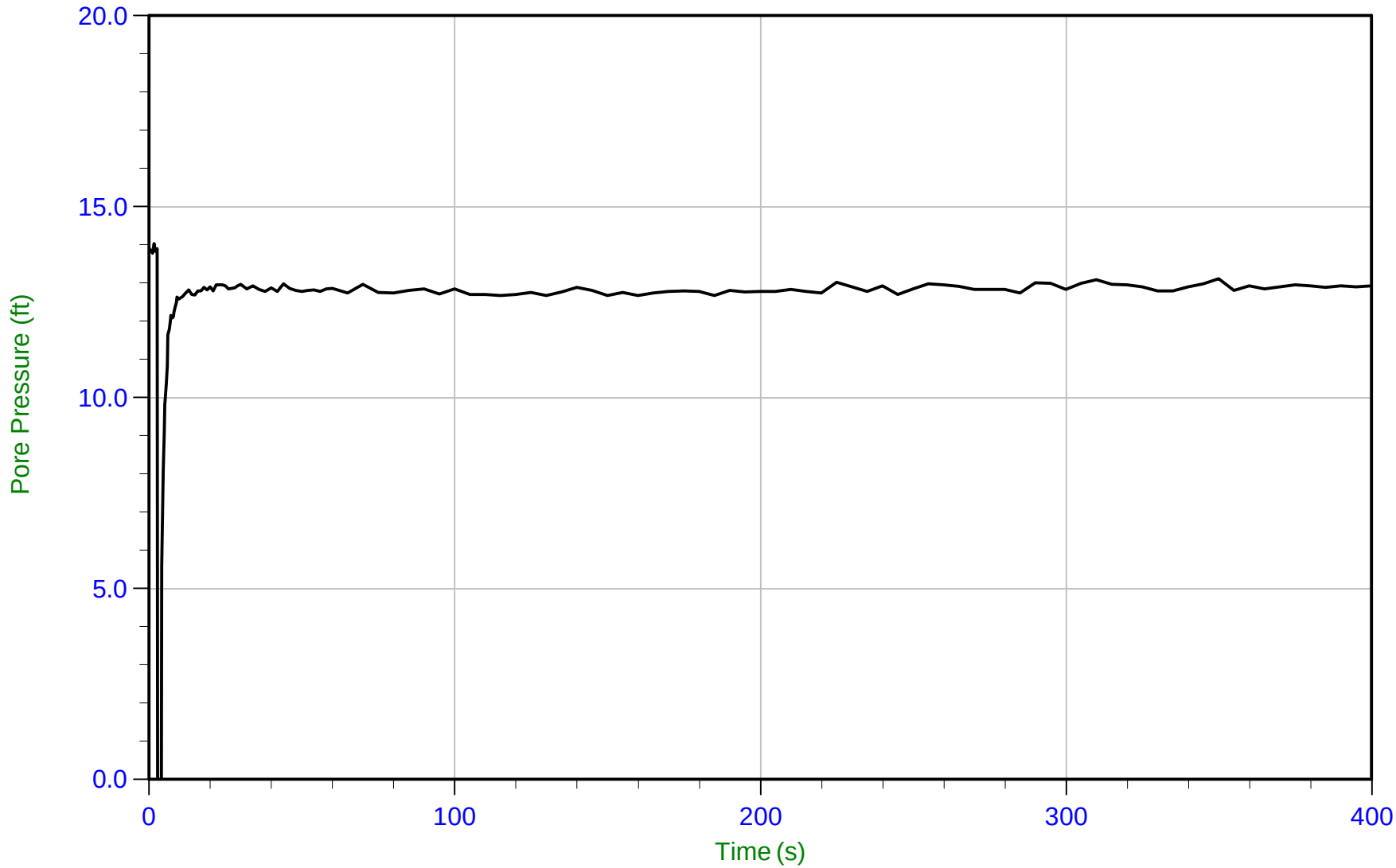
WT: 5.856 m / 19.211 ft
Ueq: 5.8 ft

CONETEC

AECOM

Job No: 23-52-25874
Date: 06/04/2023 11:59
Site: Las Animas Levee

Sounding: CPT-54
Cone: 825:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 23-52-25874_CP54.PPF2
Depth: 4.850 m / 15.912 ft
Duration: 400.0 s

u Min: -14.8 ft
u Max: 14.0 ft
u Final: 12.9 ft

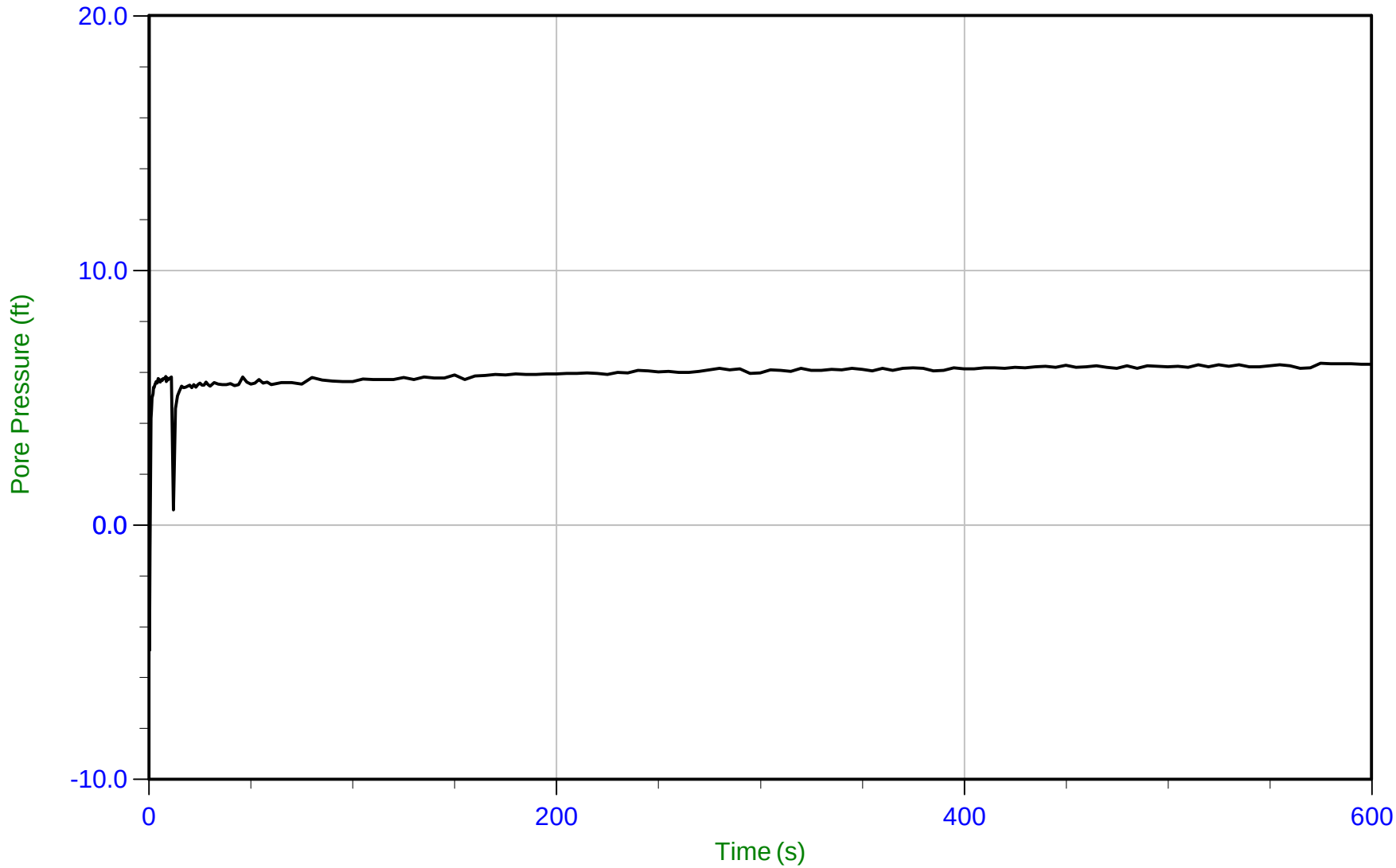
WT: 0.914 m / 2.998 ft
Ueq: 12.9 ft

CONETEC

AECOM

Job No: 23-52-25874
Date: 06/04/2023 09:48
Site: Las Animas Levee

Sounding: CPT-56
Cone: 825:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 23-52-25874_CP56.PPF2
Depth: 3.150 m / 10.335 ft
Duration: 600.0 s

u Min: -4.9 ft
u Max: 37.9 ft
u Final: 6.3 ft

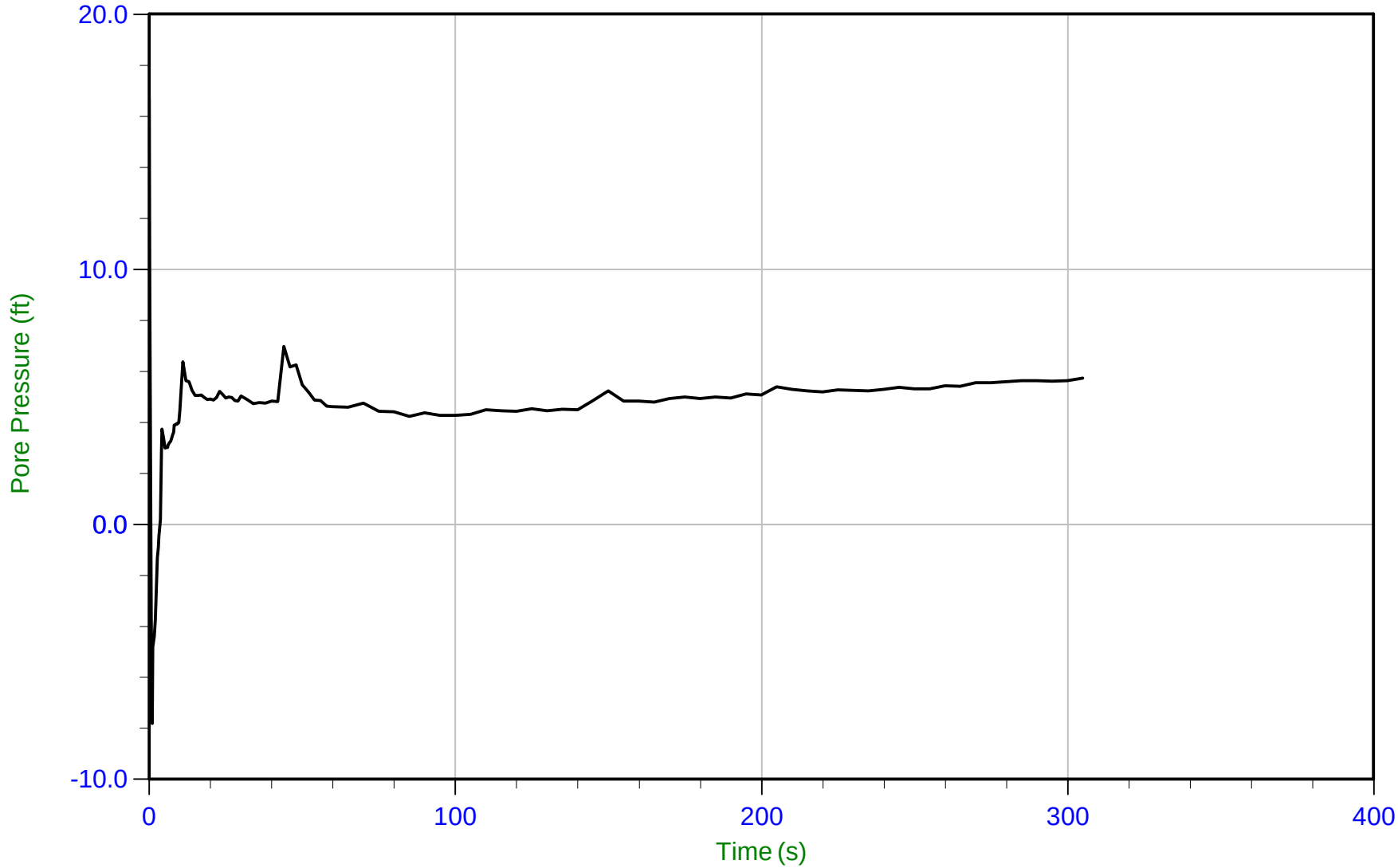
WT: 1.220 m / 4.002 ft
Ueq: 6.3 ft

CONETEC

AECOM

Job No: 23-52-25874
Date: 06/03/2023 15:04
Site: Las Animas Levee

Sounding: CPT-58
Cone: 825:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 23-52-25874_CP58.PPF2
Depth: 6.900 m / 22.638 ft
Duration: 305.0 s

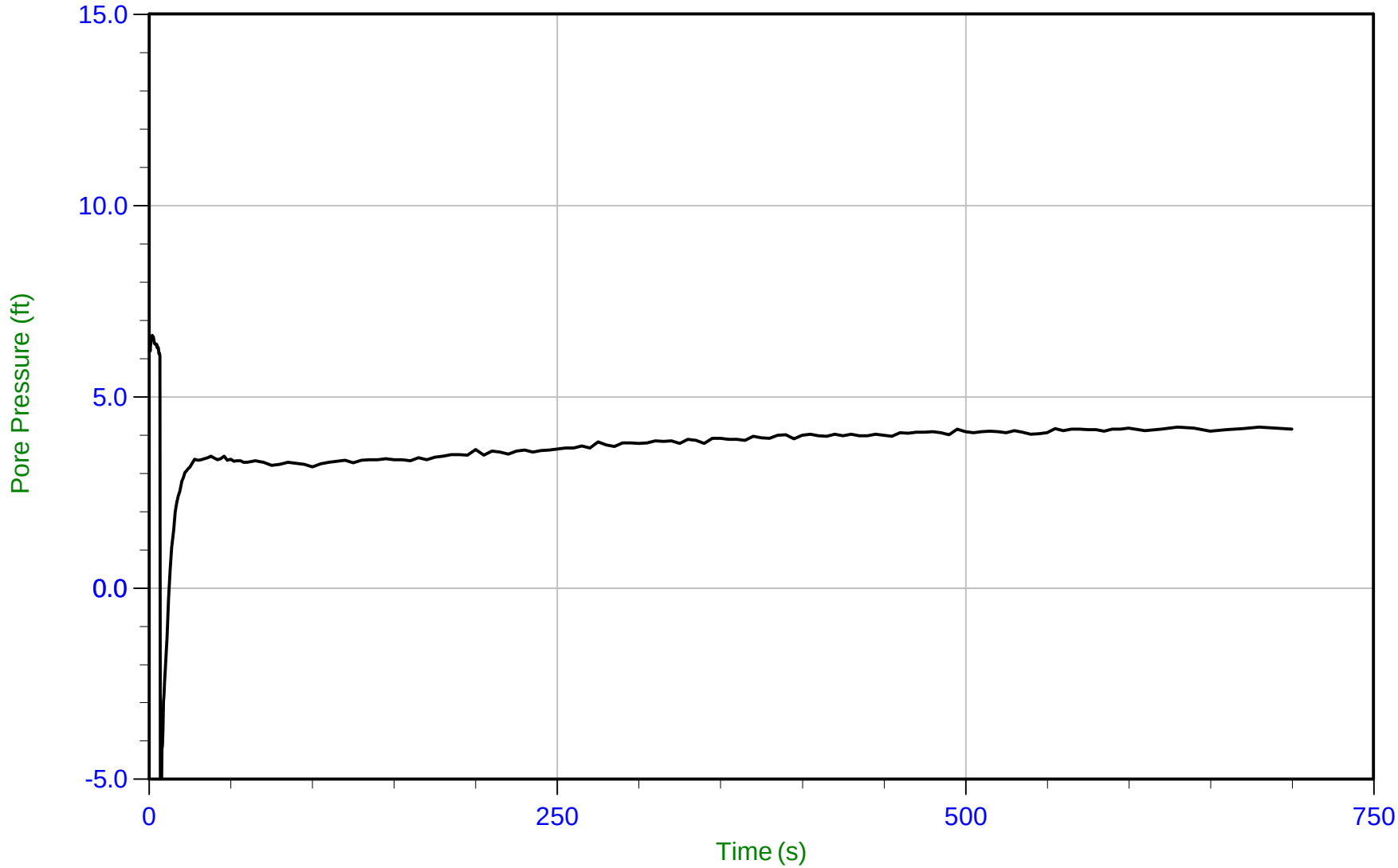
u Min: -7.8 ft
u Max: 16.7 ft
u Final: 5.7 ft

CONETEC

AECOM

Job No: 23-52-25874
Date: 06/04/2023 06:11
Site: Las Animas Levee

Sounding: CPT-59
Cone: 825:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 23-52-25874_CP59.PPF2
Depth: 7.650 m / 25.098 ft
Duration: 700.0 s

u Min: -7.1 ft
u Max: 6.6 ft
u Final: 4.2 ft

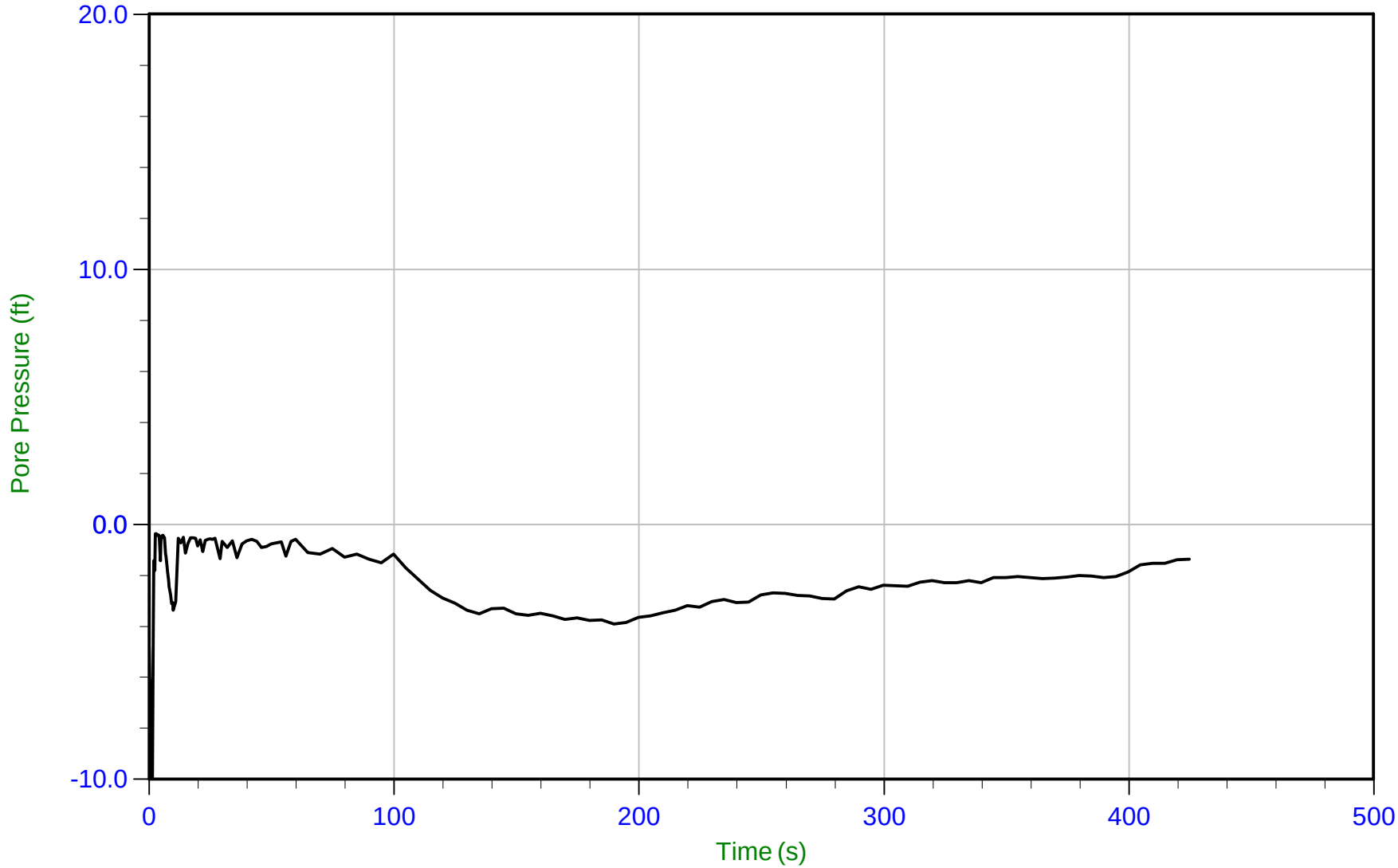
WT: 6.374 m / 20.911 ft
Ueq: 4.2 ft

CONETEC

AECOM

Job No: 23-52-25874
Date: 06/03/2023 08:34
Site: Las Animas Levee

Sounding: CPT-65
Cone: 825:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 23-52-25874_CP65.PPF2
Depth: 5.275 m / 17.306 ft
Duration: 425.0 s

u Min: -13.5 ft
u Max: -0.4 ft
u Final: -1.4 ft

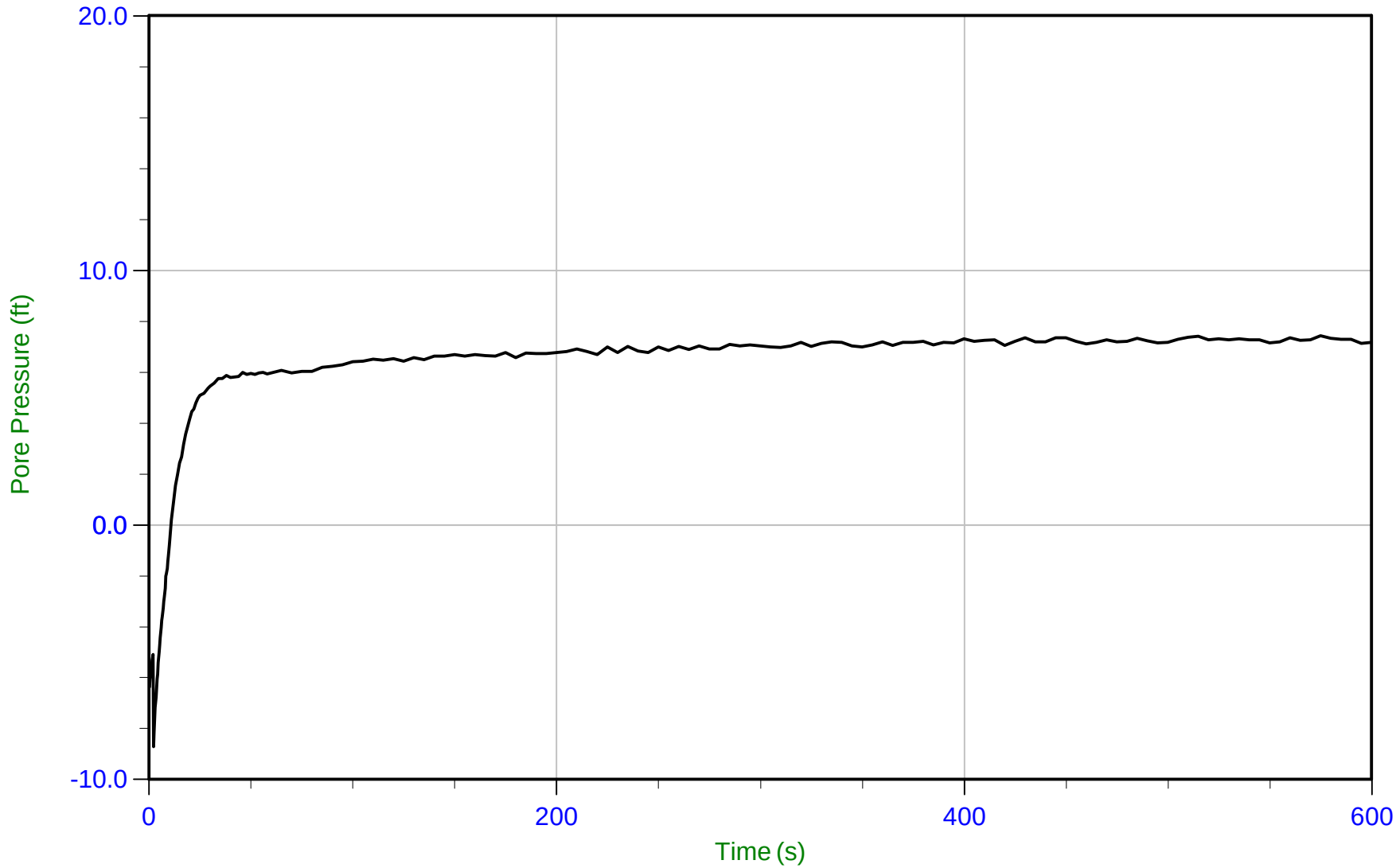
WT: 5.275 m / 17.306 ft
Ueq: 0.0 ft

CONETEC

AECOM

Job No: 23-52-25874
Date: 06/03/2023 08:34
Site: Las Animas Levee

Sounding: CPT-65
Cone: 825:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 23-52-25874_CP65.PPF2
Depth: 7.750 m / 25.426 ft
Duration: 600.0 s

u Min: -8.7 ft
u Max: 7.4 ft
u Final: 7.2 ft

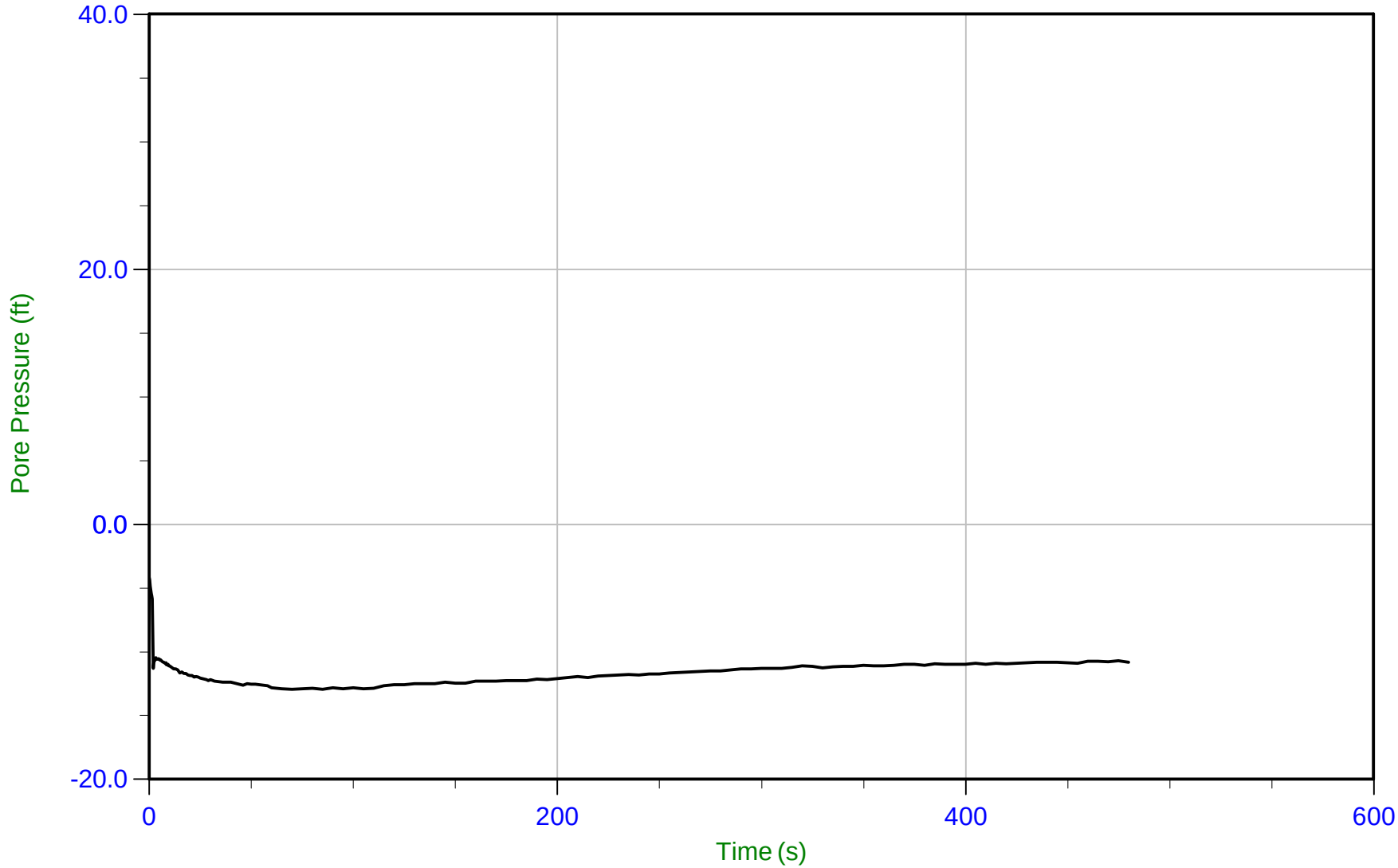
WT: 5.545 m / 18.193 ft
Ueq: 7.2 ft

CONETEC

AECOM

Job No: 23-52-25874
Date: 06/03/2023 07:25
Site: Las Animas Levee

Sounding: CPT-66
Cone: 825:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 23-52-25874_CP66.PPF2
Depth: 5.825 m / 19.111 ft
Duration: 480.0 s

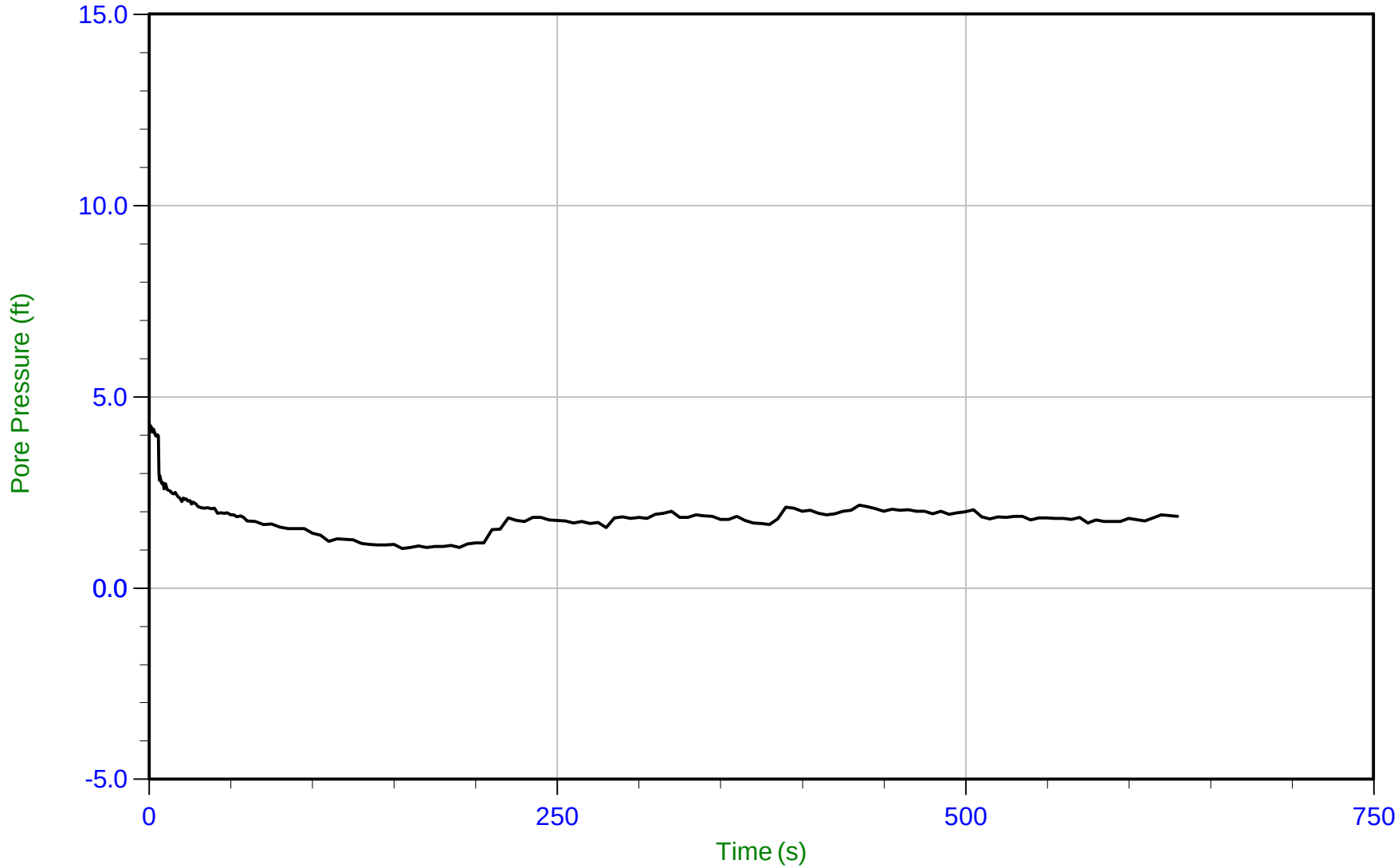
u Min: -13.0 ft
u Max: -4.2 ft
u Final: -10.8 ft

CONETEC

AECOM

Job No: 23-52-25874
Date: 06/02/2023 13:31
Site: Las Animas Levee

Sounding: CPT-67
Cone: 825:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 23-52-25874_CP67.PPF2
Depth: 5.325 m / 17.470 ft
Duration: 630.0 s

u Min: 1.0 ft
u Max: 4.3 ft
u Final: 1.9 ft

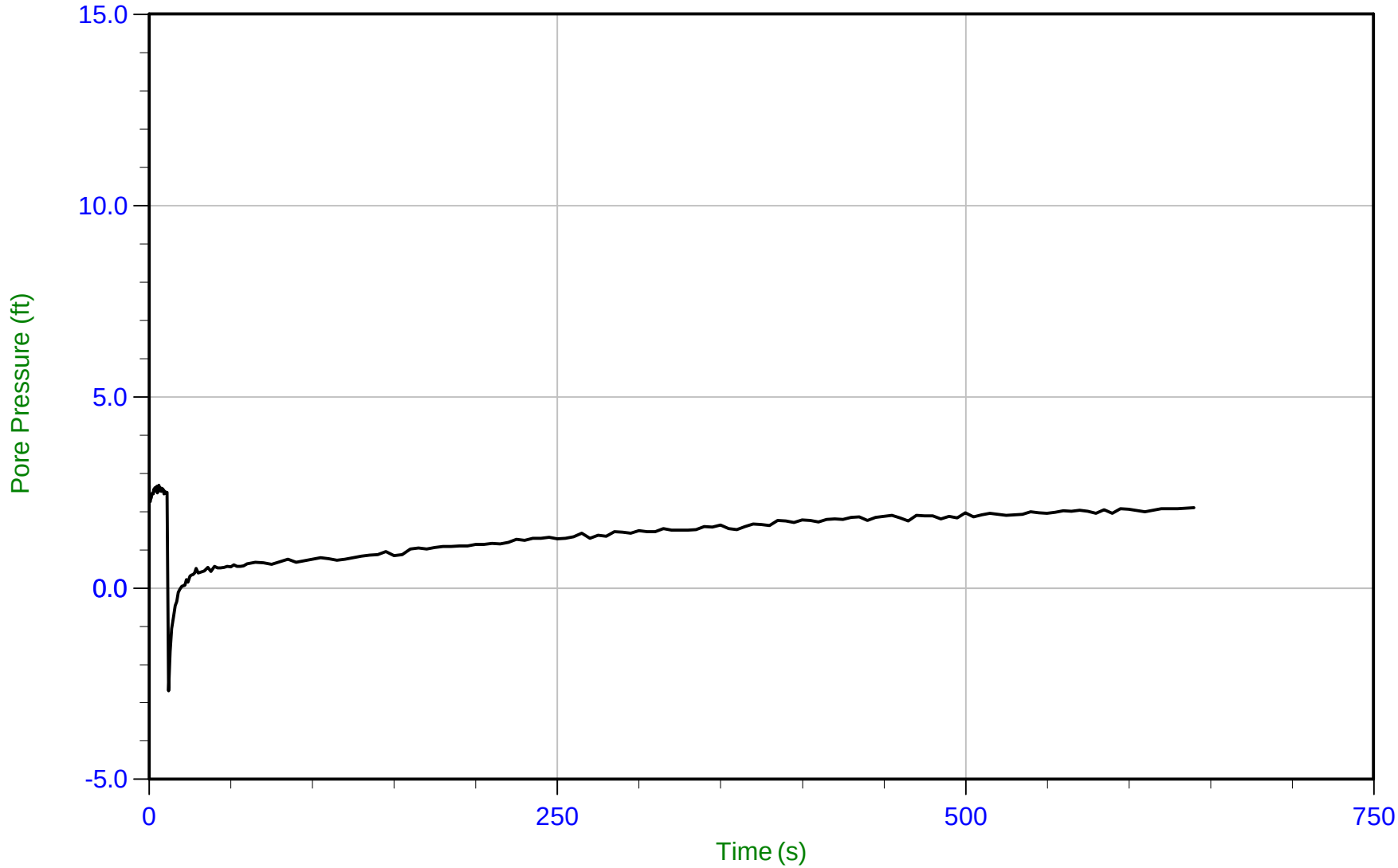
WT: 4.760 m / 15.617 ft
Ueq: 1.9 ft

CONETEC

AECOM

Job No: 23-52-25874
Date: 06/02/2023 09:39
Site: Las Animas Levee

Sounding: CPT-69
Cone: 825:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 23-52-25874_CP69.PPF2
Depth: 6.250 m / 20.505 ft
Duration: 640.0 s

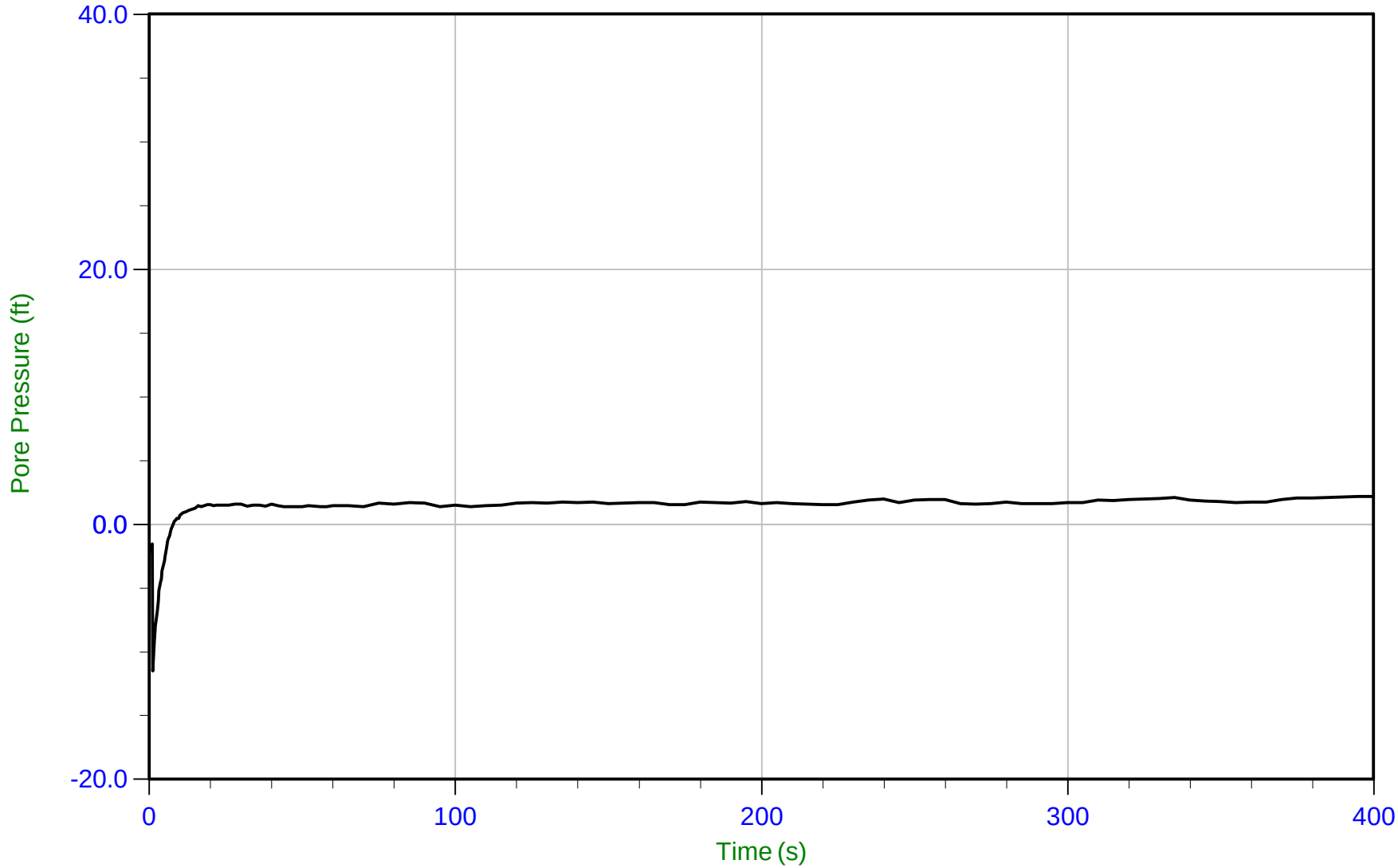
u Min: -2.7 ft
u Max: 2.7 ft
u Final: 2.1 ft

CONETEC

AECOM

Job No: 23-52-25874
Date: 06/03/2023 10:36
Site: Las Animas Levee

Sounding: CPT-70
Cone: 825:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 23-52-25874_CP70.PPF2
Depth: 2.775 m / 9.104 ft
Duration: 400.0 s

u Min: -11.5 ft
u Max: 2.2 ft
u Final: 2.2 ft

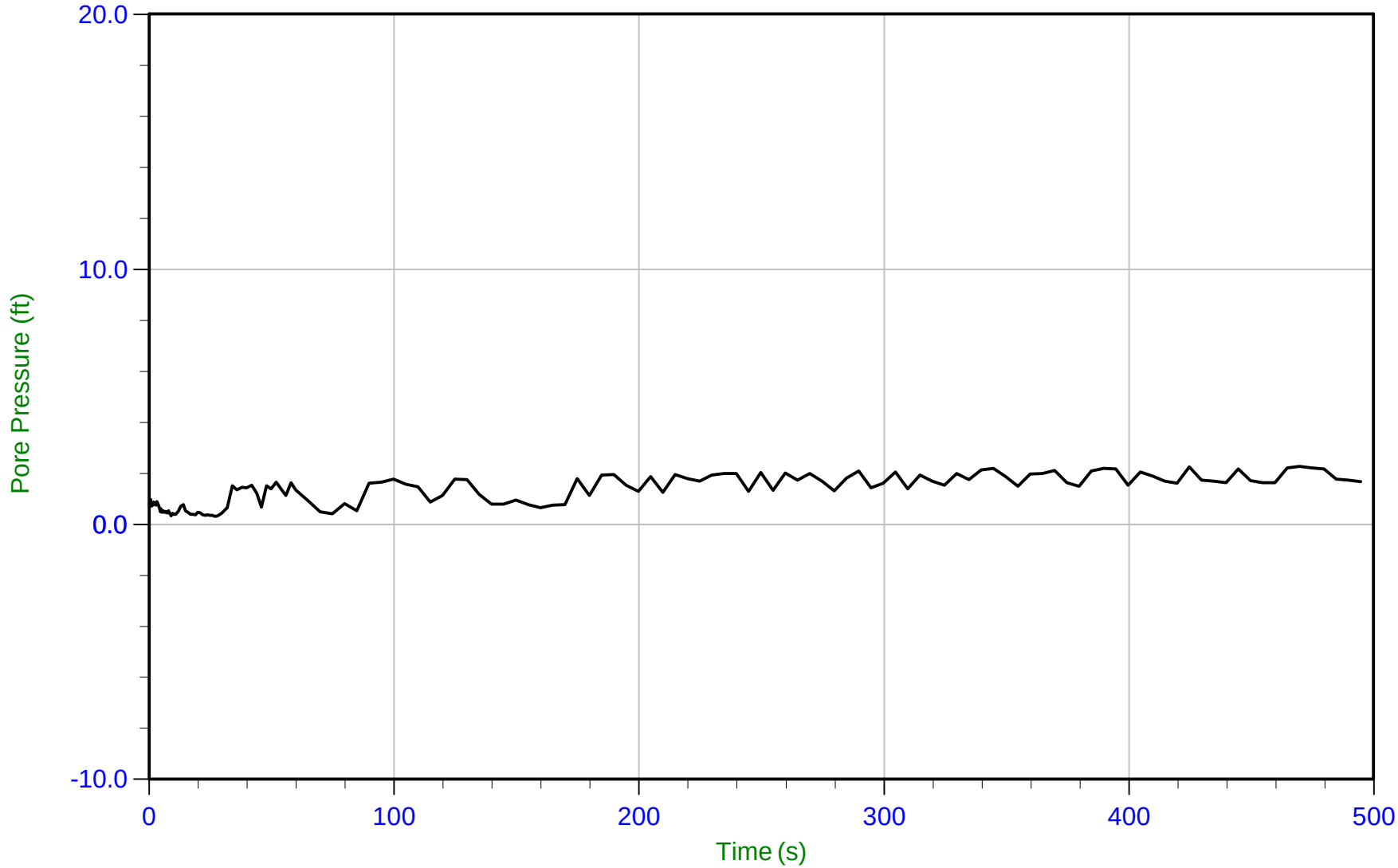
WT: 2.106 m / 6.908 ft
Ueq: 2.2 ft

CONETEC

AECOM

Job No: 23-52-25874
Date: 06/02/2023 07:32
Site: Las Animas Levee

Sounding: CPT-72
Cone: 825:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 23-52-25874_CP72.PPF2
Depth: 5.725 m / 18.783 ft
Duration: 495.0 s

u Min: 0.3 ft
u Max: 2.3 ft
u Final: 1.7 ft

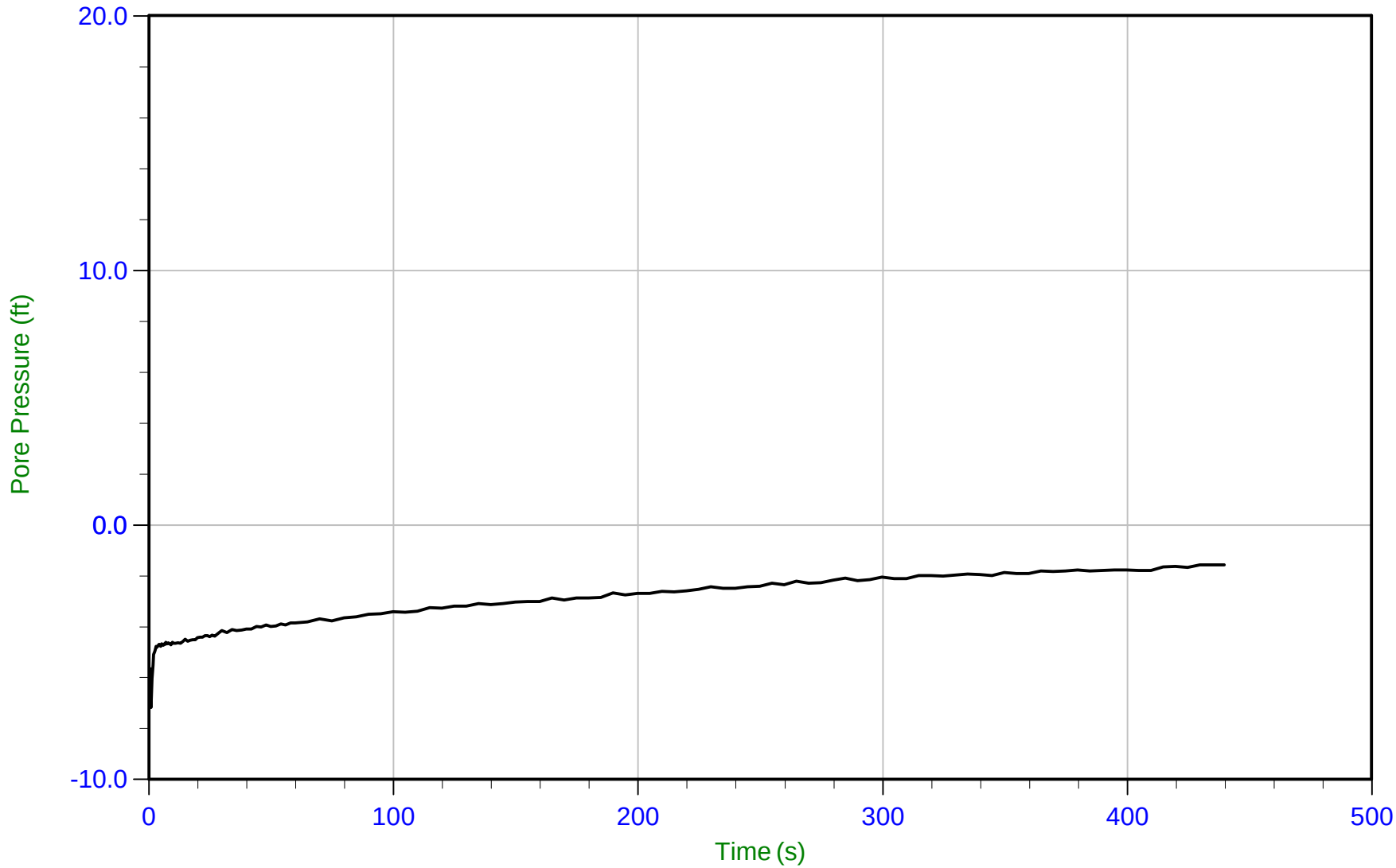
WT: 5.156 m / 16.916 ft
Ueq: 1.9 ft

CONETEC

AECOM

Job No: 23-52-25874
Date: 06/01/2023 13:31
Site: Las Animas Levee

Sounding: CPT-74
Cone: 825:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 23-52-25874_CP74.PPF2
Depth: 3.750 m / 12.303 ft
Duration: 440.0 s

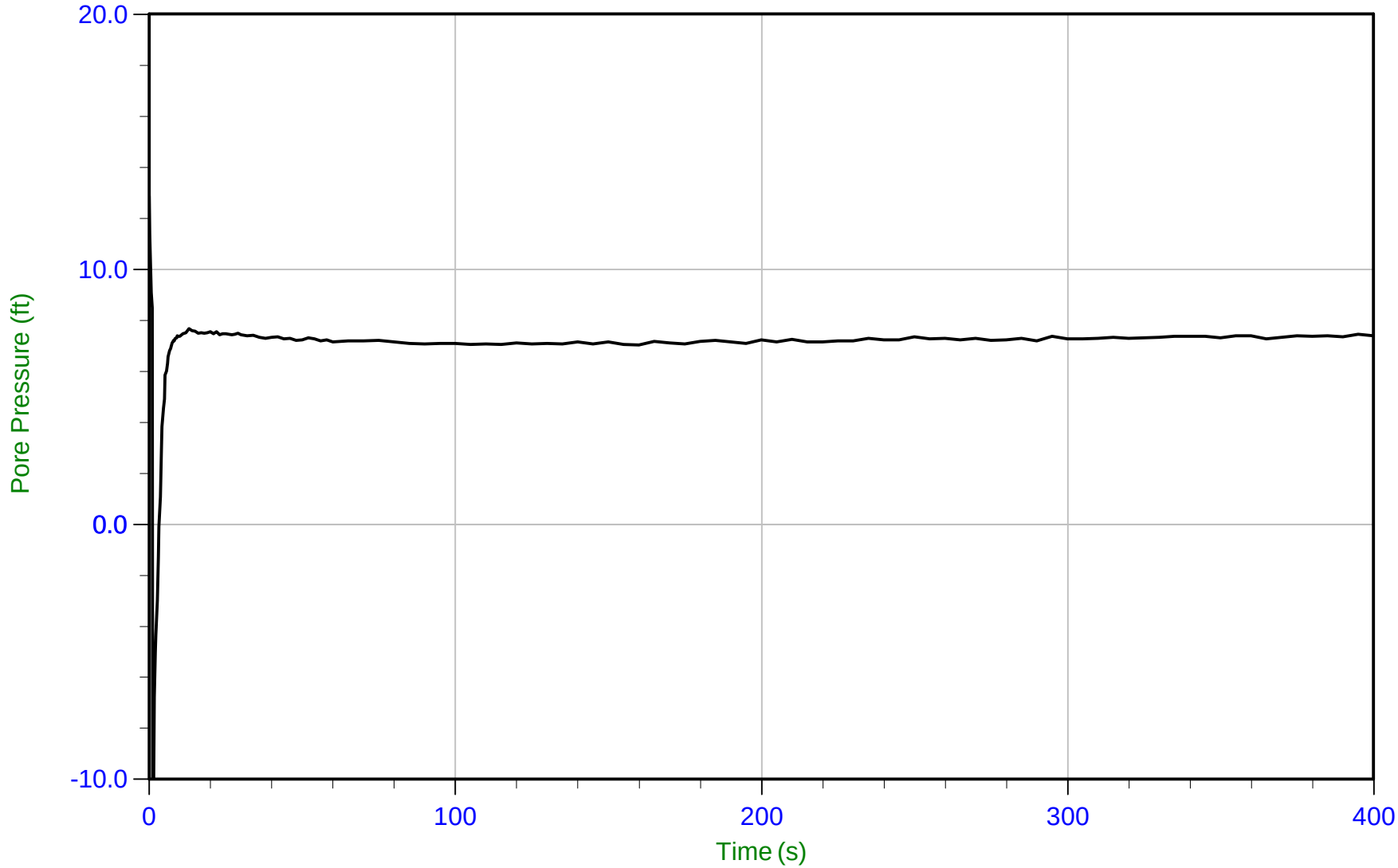
u Min: -7.2 ft
u Max: -1.6 ft
u Final: -1.6 ft

CONETEC

AECOM

Job No: 23-52-25874
Date: 06/01/2023 12:35
Site: Las Animas Levee

Sounding: CPT-75
Cone: 825:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 23-52-25874_CP75.PPF2
Depth: 6.125 m / 20.095 ft
Duration: 400.0 s

u Min: -14.9 ft
u Max: 12.9 ft
u Final: 7.4 ft

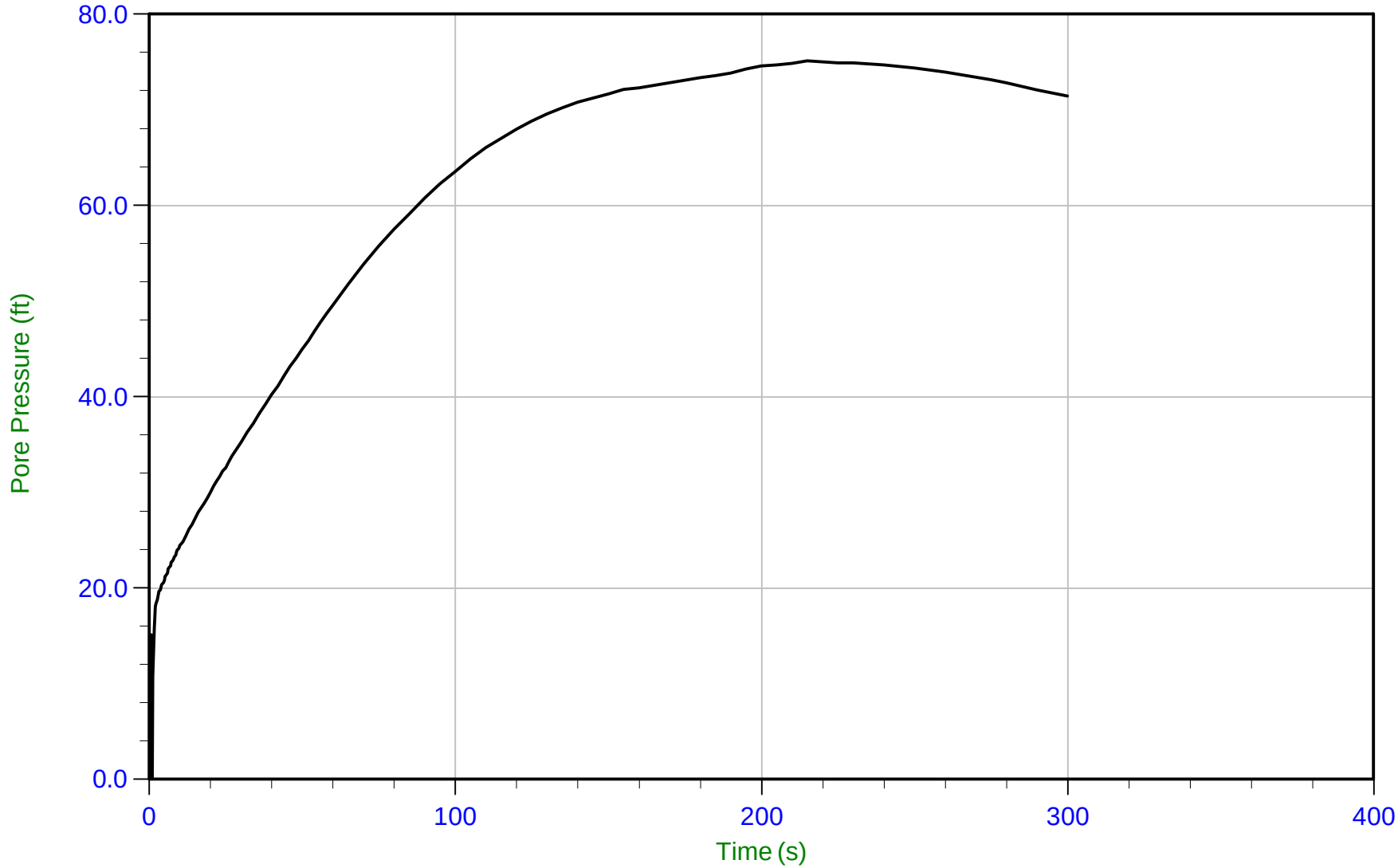
WT: 3.867 m / 12.686 ft
Ueq: 7.4 ft

CONETEC

AECOM

Job No: 23-52-25874
Date: 06/01/2023 10:53
Site: Las Animas Levee

Sounding: CPT-76
Cone: 825:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 23-52-25874_CP76.PPF2
Depth: 3.875 m / 12.713 ft
Duration: 300.0 s

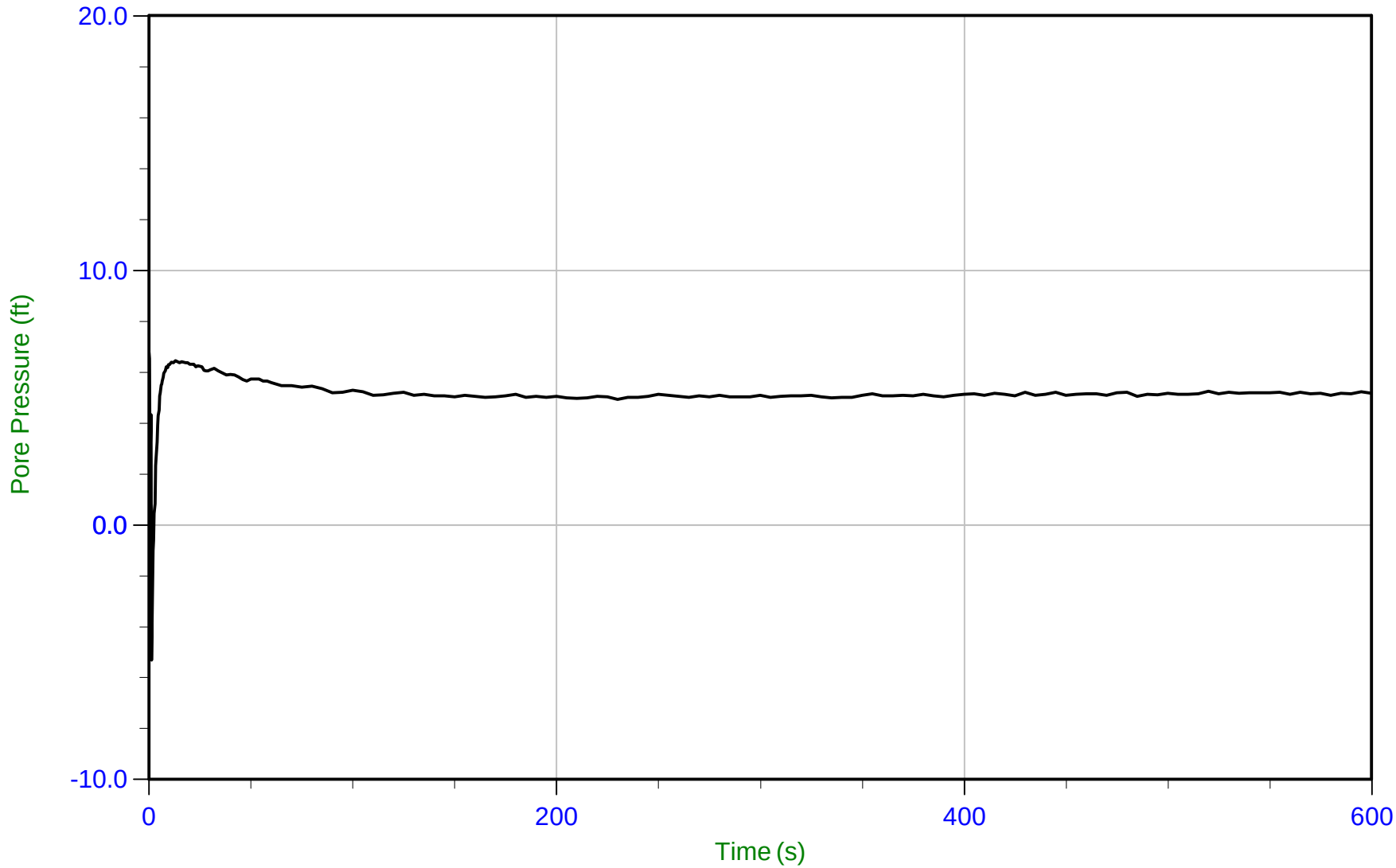
u Min: -0.4 ft
u Max: 75.1 ft
u Final: 71.4 ft

CONETEC

AECOM

Job No: 23-52-25874
Date: 06/01/2023 10:53
Site: Las Animas Levee

Sounding: CPT-76
Cone: 825:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 23-52-25874_CP76.PPF2
Depth: 5.250 m / 17.224 ft
Duration: 600.0 s

u Min: -5.3 ft
u Max: 6.8 ft
u Final: 5.2 ft

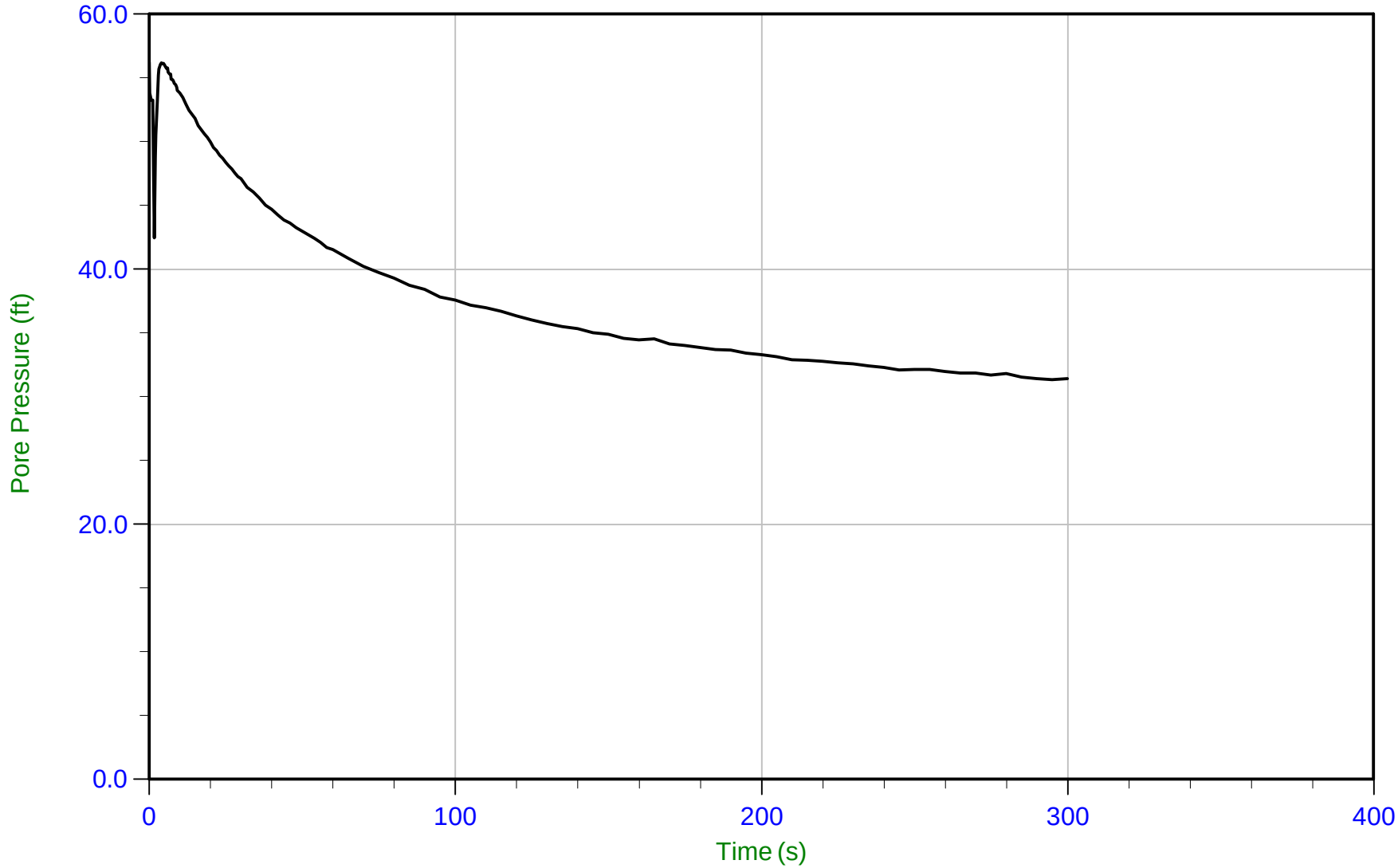
WT: 3.679 m / 12.071 ft
Ueq: 5.2 ft

CONETEC

AECOM

Job No: 23-52-25874
Date: 06/01/2023 09:54
Site: Las Animas Levee

Sounding: CPT-77
Cone: 825:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 23-52-25874_CP77.PPF2
Depth: 3.800 m / 12.467 ft
Duration: 300.0 s

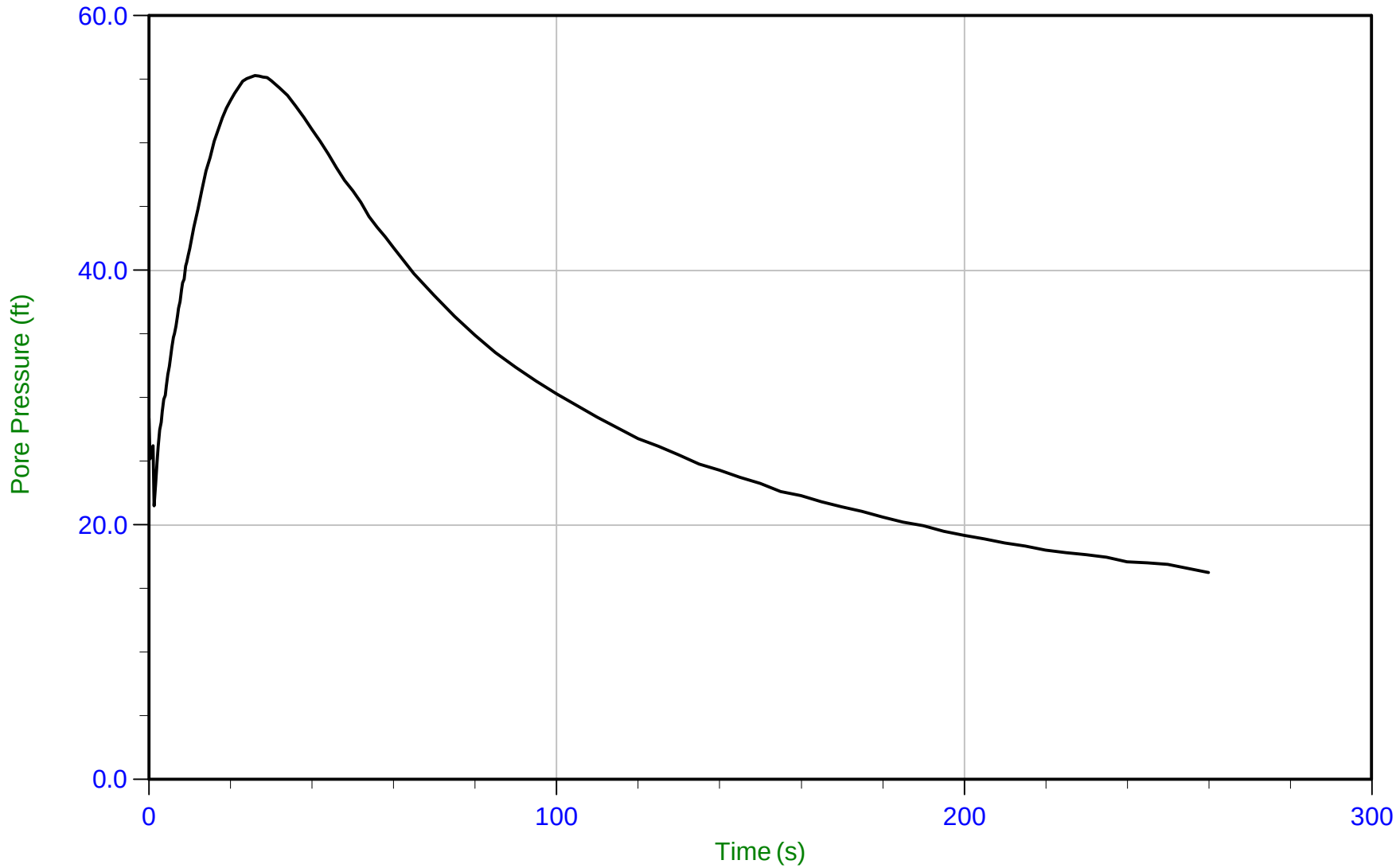
u Min: 31.3 ft
u Max: 56.2 ft
u Final: 31.4 ft

CONETEC

AECOM

Job No: 23-52-25874
Date: 06/01/2023 08:31
Site: Las Animas Levee

Sounding: CPT-78
Cone: 825:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 23-52-25874_CP78.PPF2
Depth: 3.925 m / 12.877 ft
Duration: 260.0 s

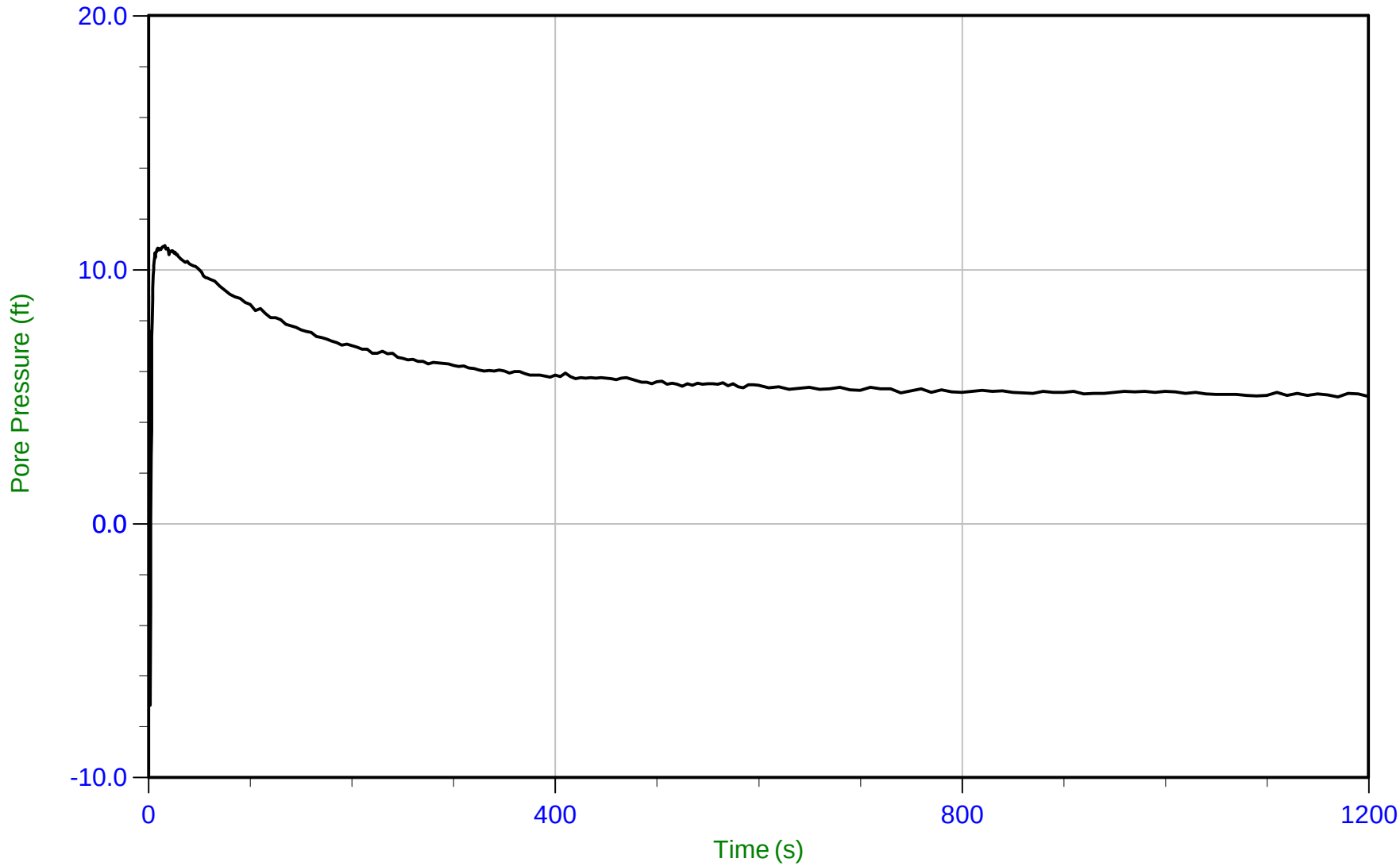
u Min: 16.3 ft
u Max: 55.3 ft
u Final: 16.3 ft

CONETEC

AECOM

Job No: 23-52-25874
Date: 06/01/2023 08:31
Site: Las Animas Levee

Sounding: CPT-78
Cone: 825:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 23-52-25874_CP78.PPF2
Depth: 5.400 m / 17.716 ft
Duration: 1200.0 s

u Min: -7.2 ft
u Max: 11.0 ft
u Final: 5.0 ft

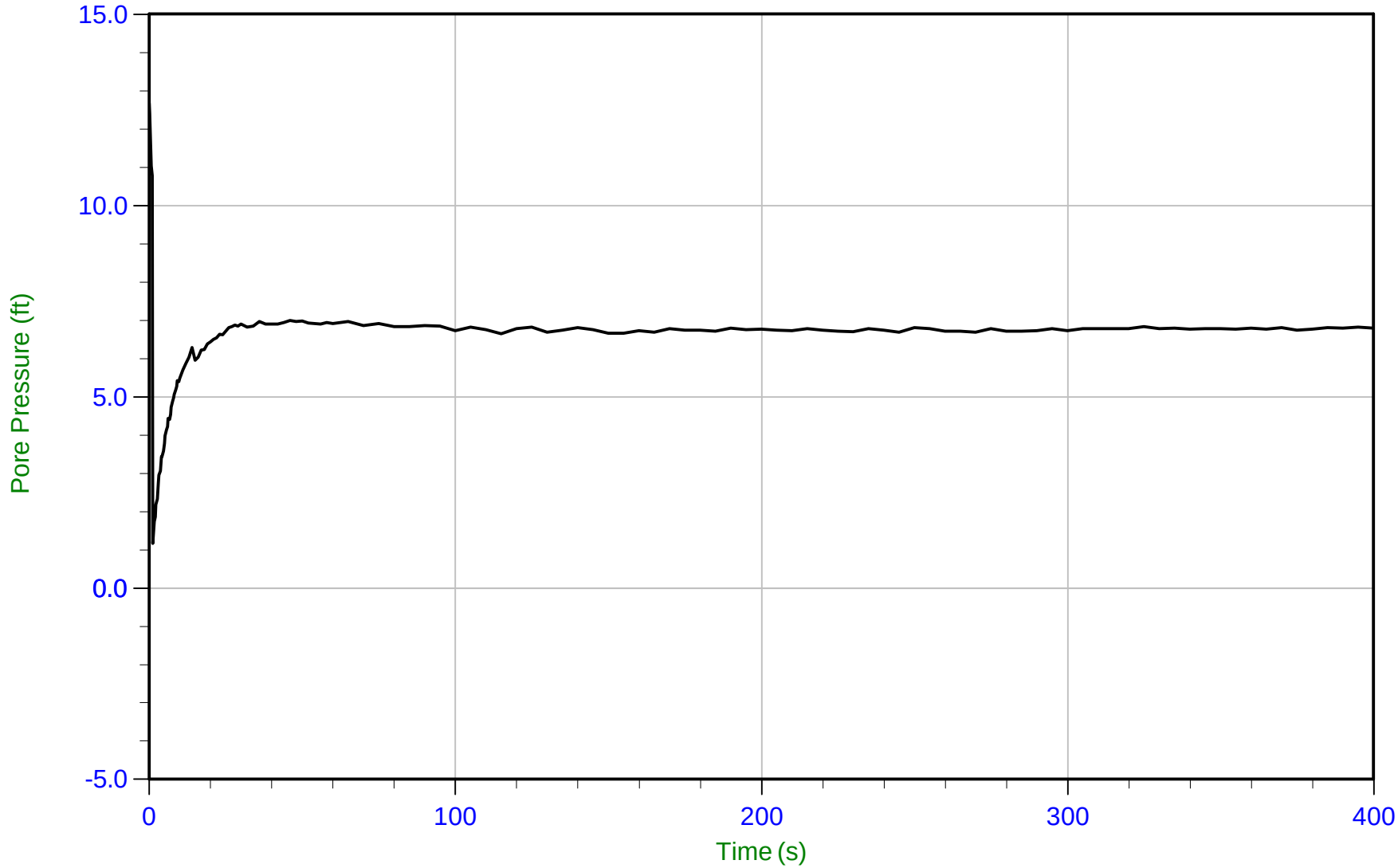
WT: 3.883 m / 12.738 ft
Ueq: 5.0 ft

CONETEC

AECOM

Job No: 23-52-25874
Date: 05/31/2023 15:21
Site: Las Animas Levee

Sounding: CPT-80
Cone: 825:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 23-52-25874_CP80.PPF2
Depth: 5.325 m / 17.470 ft
Duration: 400.0 s

u Min: 1.2 ft
u Max: 12.7 ft
u Final: 6.8 ft

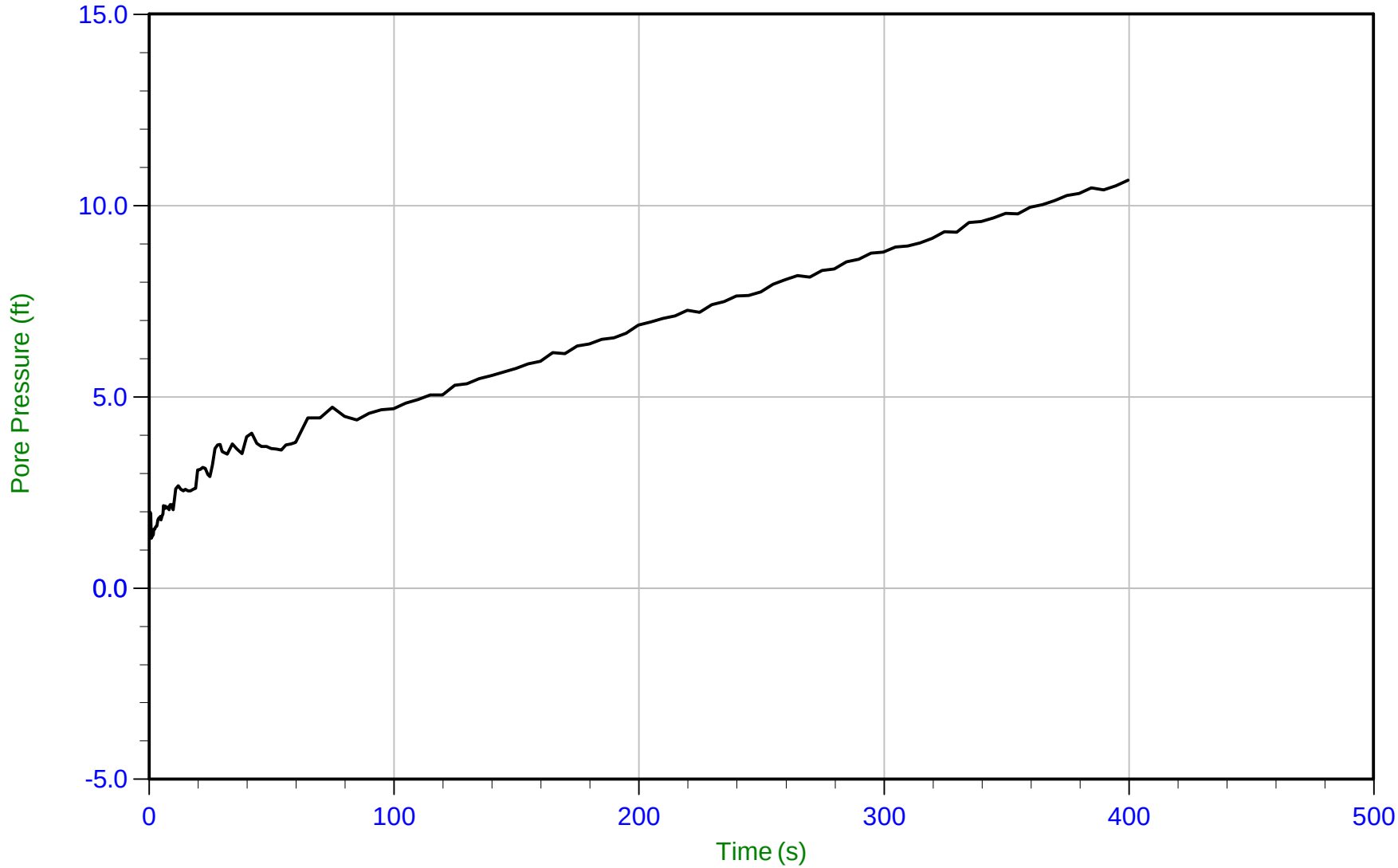
WT: 3.261 m / 10.699 ft
Ueq: 6.8 ft

CONETEC

AECOM

Job No: 23-52-25874
Date: 05/31/2023 13:21
Site: Las Animas Levee

Sounding: CPT-81
Cone: 825:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 23-52-25874_CP81.PPF2
Depth: 3.875 m / 12.713 ft
Duration: 400.0 s

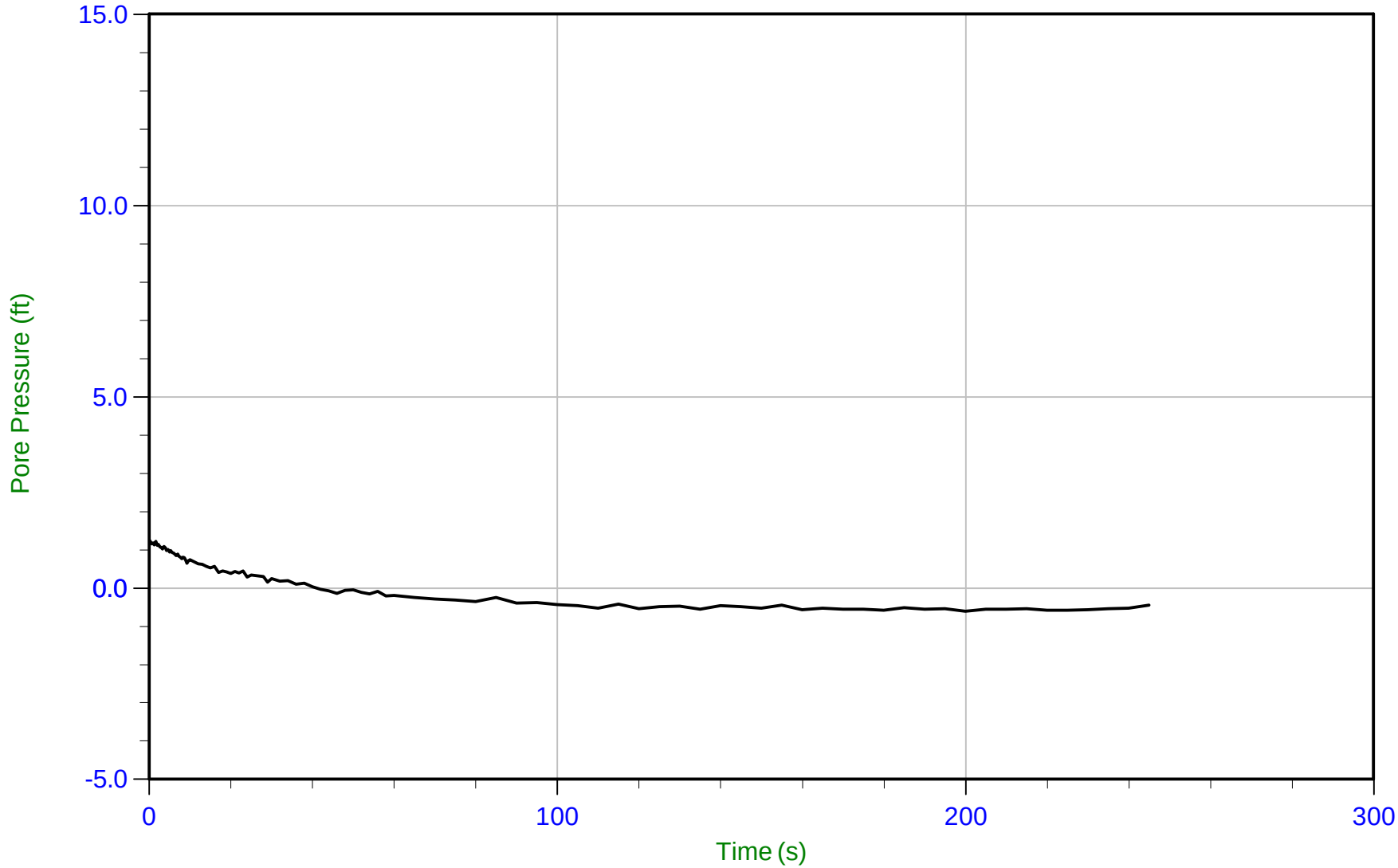
u Min: 1.3 ft
u Max: 10.7 ft
u Final: 10.7 ft

CONETEC

AECOM

Job No: 23-52-25874
Date: 05/31/2023 11:03
Site: Las Animas Levee

Sounding: CPT-82
Cone: 825:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 23-52-25874_CP82.PPF2
Depth: 3.625 m / 11.893 ft
Duration: 245.0 s

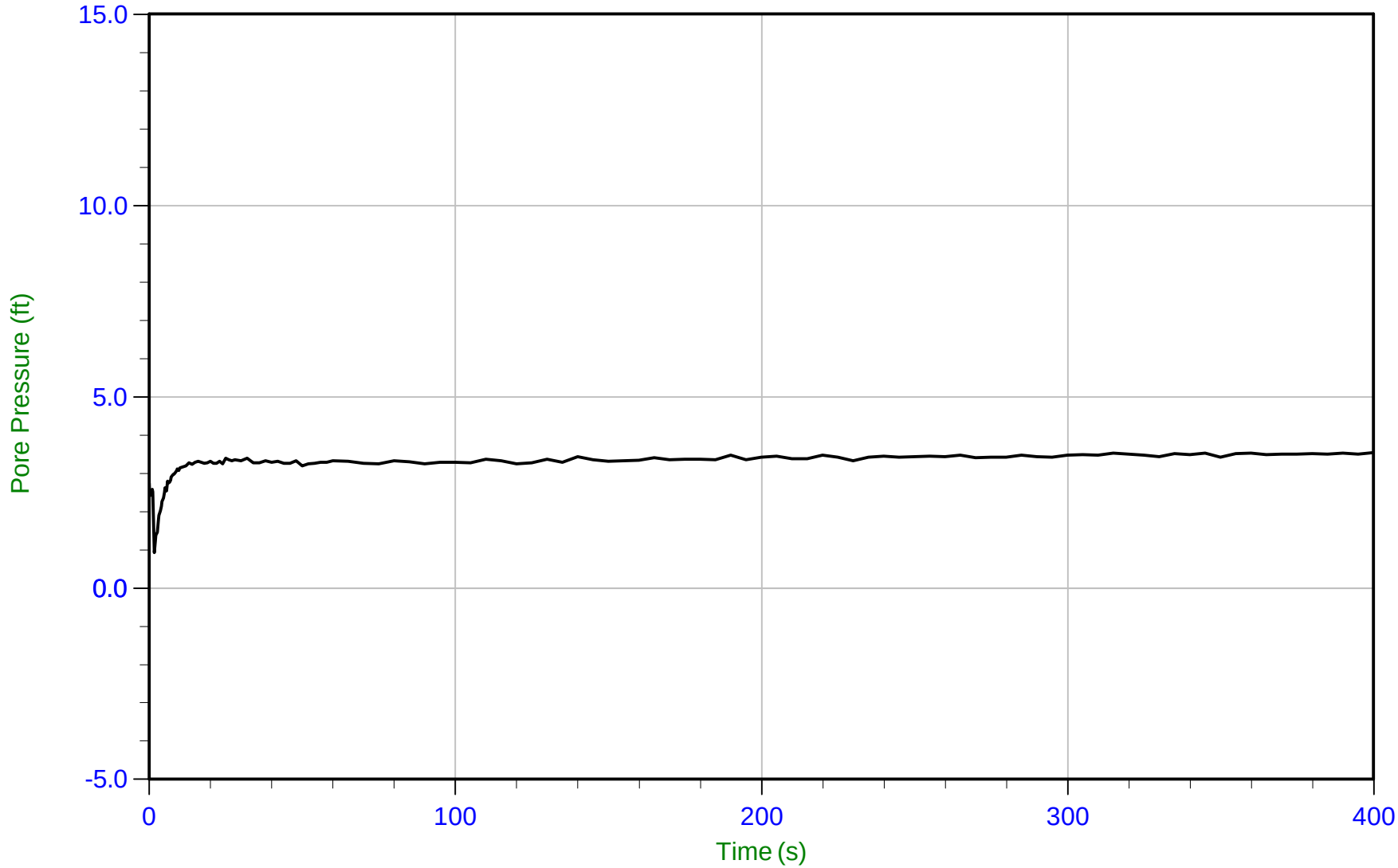
u Min: -0.6 ft
u Max: 1.3 ft
u Final: -0.4 ft

CONETEC

AECOM

Job No: 23-52-25874
Date: 05/31/2023 11:03
Site: Las Animas Levee

Sounding: CPT-82
Cone: 825:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 23-52-25874_CP82.PPF2
Depth: 5.050 m / 16.568 ft
Duration: 400.0 s

u Min: 0.9 ft
u Max: 3.5 ft
u Final: 3.5 ft

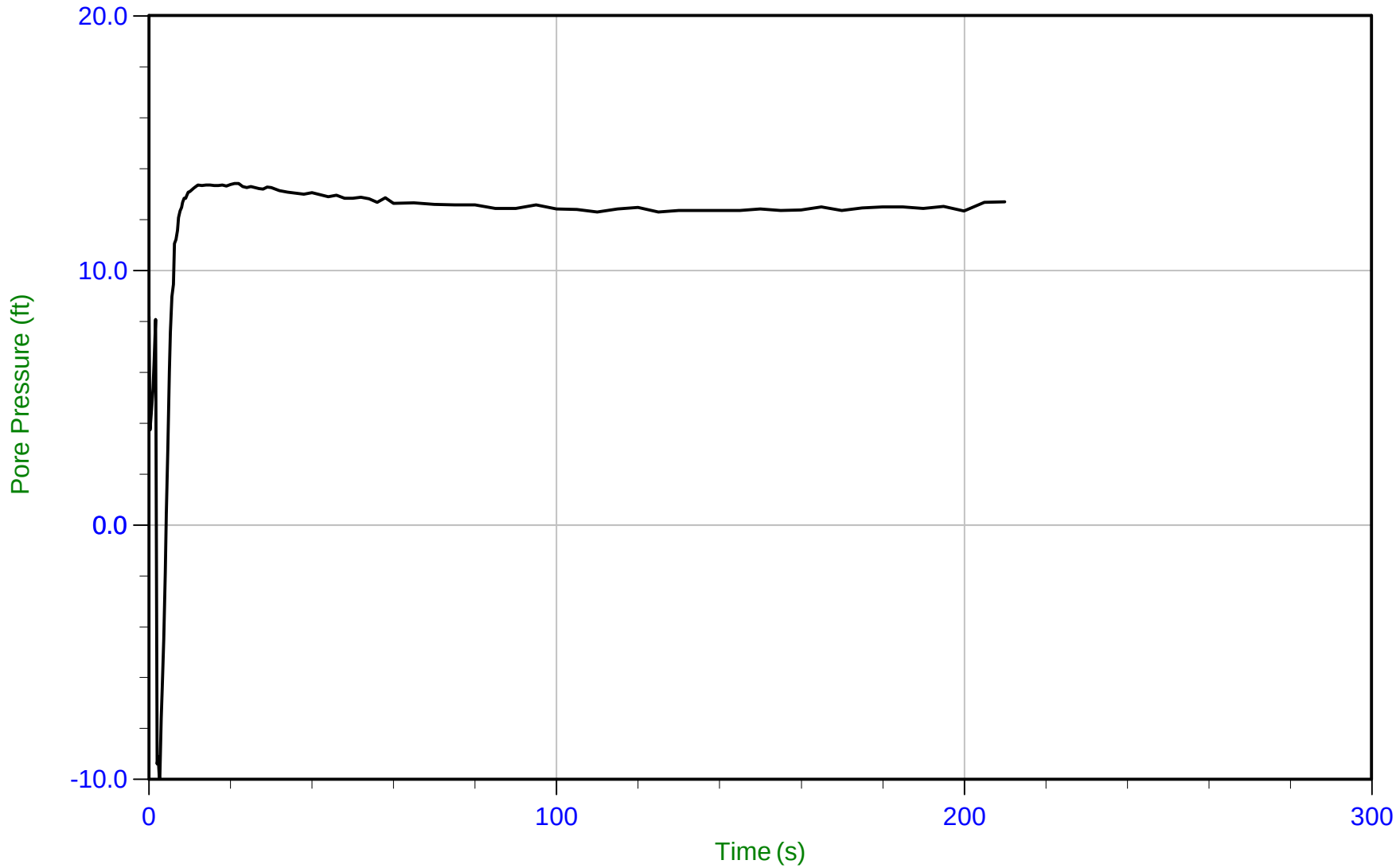
WT: 3.975 m / 13.042 ft
Ueq: 3.5 ft

CONETEC

AECOM

Job No: 23-52-25874
Date: 05/31/2023 11:03
Site: Las Animas Levee

Sounding: CPT-82
Cone: 825:T1500F15U35 Area=15 cm²



Trace Summary:

Filename: 23-52-25874_CP82.PPF2
Depth: 7.950 m / 26.082 ft
Duration: 210.0 s

u Min: -10.2 ft
u Max: 13.4 ft
u Final: 12.7 ft

Methodology Statements and Data File Formats

CONETEC

METHODOLOGY STATEMENTS

CONE PENETRATION TEST (CPTu) - eSeries

Cone penetration tests (CPTu) are conducted using an integrated electronic piezocone penetrometer and data acquisition system manufactured by Adara Systems Ltd., a subsidiary of ConeTec.

ConeTec's piezocone penetrometers are compression type designs in which the tip and friction sleeve load cells are independent and have separate load capacities. The piezocones use strain gauged load cells for tip and sleeve friction and a strain gauged diaphragm type transducer for recording pore pressure. The piezocones also have a platinum resistive temperature device (RTD) for monitoring the temperature of the sensors, an accelerometer type dual axis inclinometer and two geophone sensors for recording seismic signals. All signals are amplified and measured with minimum sixteen-bit resolution down hole within the cone body, and the signals are sent to the surface using a high bandwidth, error corrected digital interface through a shielded cable.

ConeTec penetrometers are manufactured with various tip, friction and pore pressure capacities in both 10 cm^2 and 15 cm^2 tip base area configurations in order to maximize signal resolution for various soil conditions. The specific piezocone used for each test is described in the CPT summary table. The 15 cm^2 penetrometers do not require friction reducers as they have a diameter larger than the deployment rods. The 10 cm^2 piezocones use a friction reducer consisting of a rod adapter extension behind the main cone body with an enlarged cross sectional area (typically 44 millimeters diameter over a length of 32 millimeters with tapered leading and trailing edges) located at a distance of 585 millimeters above the cone tip.

The penetrometers are designed with equal end area friction sleeves, a net end area ratio of 0.8 and cone tips with a 60 degree apex angle.

All ConeTec piezocones can record pore pressure at various locations. Unless otherwise noted, the pore pressure filter is located directly behind the cone tip in the "u_2" position (ASTM Type 2). The filter is six millimeters thick, made of porous plastic (polyethylene) having an average pore size of 125 microns (90-160 microns). The function of the filter is to allow rapid movements of extremely small volumes of water needed to activate the pressure transducer while preventing soil ingress or blockage.

The piezocone penetrometers are manufactured with dimensions, tolerances and sensor characteristics that are in general accordance with the current ASTM D5778 standard. ConeTec's calibration criteria also meets or exceeds those of the current ASTM D5778 standard. An illustration of the piezocone penetrometer is presented in Figure CPTu.

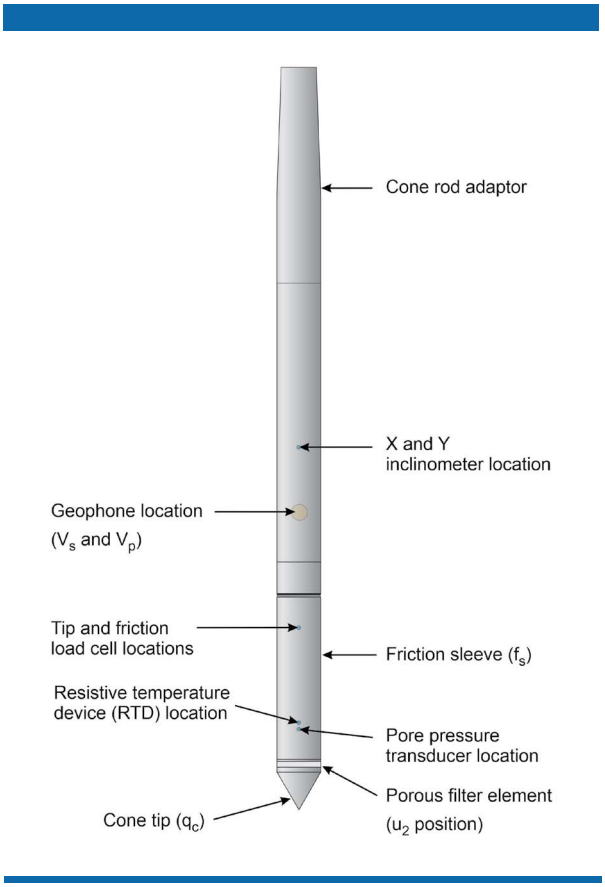


Figure CPTu. Piezocone Penetrometer (15 cm²)

The ConeTec data acquisition system consists of a Windows based computer, signal interface box, and power supply. The signal interface combines depth increment signals, seismic trigger signals and the downhole digital data. This combined data is then sent to the Windows based computer for collection and presentation. The data is recorded at fixed depth increments using a depth encoder that is either portable or integrated into the rig. The typical recording interval is 2.5 centimeters; custom recording intervals are possible.

The system displays the CPTu data in real time and records the following parameters to a storage media during penetration:

- Depth
- Uncorrected tip resistance (q_c)
- Sleeve friction (f_s)
- Dynamic pore pressure (u)
- Additional sensors such as resistivity, passive gamma, ultra violet induced fluorescence, if applicable

All testing is performed in accordance to ConeTec's CPTu operating procedures which are in general accordance with the current ASTM D5778 standard.

Prior to the start of a CPTu sounding a suitable cone is selected, the cone and data acquisition system are powered on, the pore pressure system is saturated with silicone oil and the baseline readings are recorded with the cone hanging freely in a vertical position.

The CPTu is conducted at a steady rate of two centimeters per second, within acceptable tolerances. Typically one meter length rods with an outer diameter of 1.5 inches are added to advance the cone to the sounding termination depth. After cone retraction final baselines are recorded.

Additional information pertaining to ConeTec's cone penetration testing procedures:

- Each filter is saturated in silicone oil under vacuum pressure prior to use
- Baseline readings are compared to previous readings
- Soundings are terminated at the client's target depth or at a depth where an obstruction is encountered, excessive rod flex occurs, excessive inclination occurs, equipment damage is likely to take place, or a dangerous working environment arises
- Differences between initial and final baselines are calculated to ensure zero load offsets have not occurred and to ensure compliance with ASTM standards

The interpretation of piezocone data for this report is based on the corrected tip resistance (q_t), sleeve friction (f_s) and pore water pressure (u). The interpretation of soil type is based on the correlations developed by Robertson, P.K., 2010. The Soil Behavior Type (SBT) classification chart developed by Robertson, P.K., 2010 is presented in Figure SBT. It should be noted that it is not always possible to accurately identify a soil behavior type based on these parameters. In these situations, experience, judgment and an assessment of other parameters may be used to infer soil behavior type.

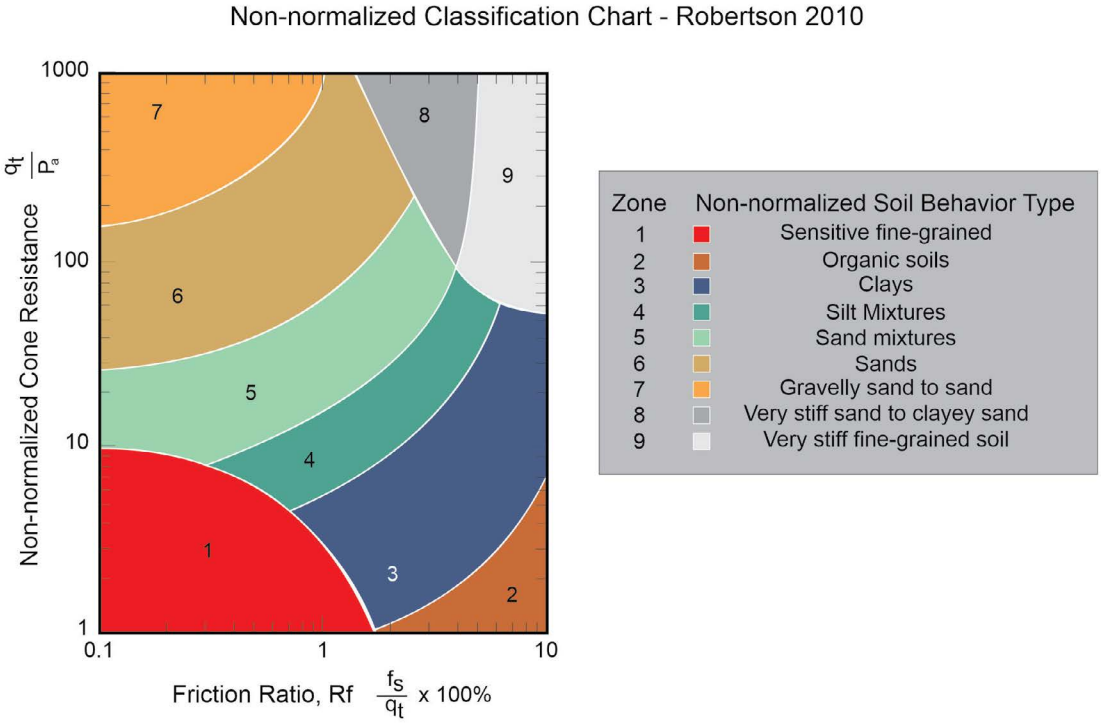


Figure SBT. Non-Normalized Soil Behavior Type Classification Chart (SBT)

The recorded tip resistance (q_c) is the total force acting on the piezocone tip divided by its base area. The tip resistance is corrected for pore pressure effects and termed corrected tip resistance (q_t) according to the following expression presented in Robertson et al. (1986):

$$q_t = q_c + (1-a) \bullet u_2$$

where: q_t is the corrected tip resistance
q_c is the recorded tip resistance
u_2 is the recorded dynamic pore pressure behind the tip (u_2 position)
a is the Net Area Ratio for the piezocone (0.8 for ConeTec probes)

The sleeve friction (f_s) is the frictional force on the sleeve divided by its surface area. As all ConeTec piezocones have equal end area friction sleeves, pore pressure corrections to the sleeve data are not required.

The dynamic pore pressure (u) is a measure of the pore pressures generated during cone penetration. To record equilibrium pore pressure, the penetration must be stopped to allow the dynamic pore pressures to stabilize. The rate at which this occurs is predominantly a function of the permeability of the soil and the diameter of the cone.

The friction ratio (Rf) is a calculated parameter. It is defined as the ratio of sleeve friction to the tip resistance expressed as a percentage. Generally, saturated cohesive soils have low tip resistance, high friction ratios and generate large excess pore water pressures. Cohesionless soils have higher tip resistances, lower friction ratios and do not generate significant excess pore water pressure.

For additional information on CPTu interpretations and calculated geotechnical parameters, refer to Robertson et al. (1986), Lunne et al. (1997), Robertson (2009), Mayne (2013, 2014) and Mayne and Peuchen (2012).

REFERENCES

ASTM D5778-20, 2020, "Standard Test Method for Performing Electronic Friction Cone and Piezocone Penetration Testing of Soils", ASTM International, West Conshohocken, PA. DOI: 10.1520/D5778-20.

Lunne, T., Robertson, P.K. and Powell, J. J. M., 1997, "Cone Penetration Testing in Geotechnical Practice", Blackie Academic and Professional.

Mayne, P.W., 2013, "Evaluating yield stress of soils from laboratory consolidation and in-situ cone penetration tests", Sound Geotechnical Research to Practice (Holtz Volume) GSP 230, ASCE, Reston/VA: 406-420. DOI: 10.1061/9780784412770.027.

Mayne, P.W. and Peuchen, J., 2012, "Unit weight trends with cone resistance in soft to firm clays", Geotechnical and Geophysical Site Characterization 4, Vol. 1 (Proc. ISC-4, Pernambuco), CRC Press, London: 903-910.

Mayne, P.W., 2014, "Interpretation of geotechnical parameters from seismic piezocone tests", CPT'14 Keynote Address, Las Vegas, NV, May 2014.

Robertson, P.K., Campanella, R.G., Gillespie, D. and Greig, J., 1986, "Use of Piezometer Cone Data", Proceedings of InSitu 86, ASCE Specialty Conference, Blacksburg, Virginia.

Robertson, P.K., 2009, "Interpretation of cone penetration tests – a unified approach", Canadian Geotechnical Journal, Volume 46: 1337-1355. DOI: 10.1139/T09-065.

Robertson, P.K., 2010. Soil behavior type from the CPT: an update. 2nd International Symposium on Cone Penetration Testing, CPT'10, Huntington Beach, CA, USA

PORE PRESSURE DISSIPATION TEST

The cone penetration test is halted at specific depths to carry out pore pressure dissipation (PPD) tests, shown in Figure PPD-1. For each dissipation test the cone and rods are decoupled from the rig and the data acquisition system measures and records the variation of the pore pressure (u) with time (t).

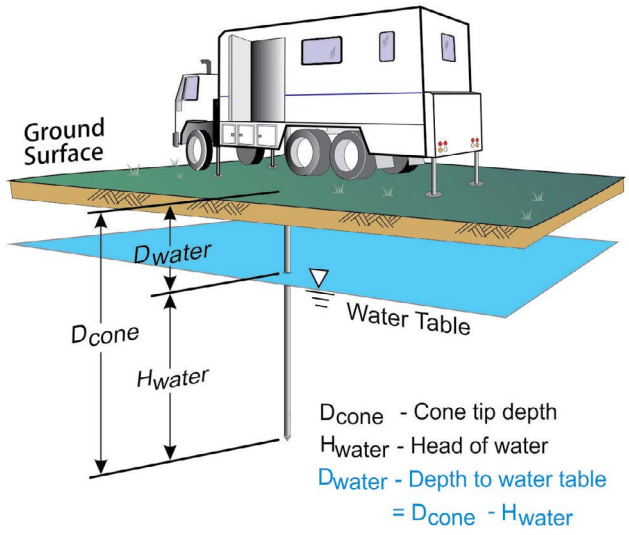


Figure PPD-1. Pore pressure dissipation test setup

Pore pressure dissipation data can be interpreted to provide estimates of ground water conditions, permeability, consolidation characteristics and soil behavior.

The typical shapes of dissipation curves shown in Figure PPD-2 are very useful in assessing soil type, drainage, in situ pore pressure and soil properties. A flat curve that stabilizes quickly is typical of a freely draining sand. Undrained soils such as clays will typically show positive excess pore pressure and have long dissipation times. Dilative soils will often exhibit dynamic pore pressures below equilibrium that then rise over time. Overconsolidated fine-grained soils will often exhibit an initial dilatory response where there is an initial rise in pore pressure before reaching a peak and dissipating.

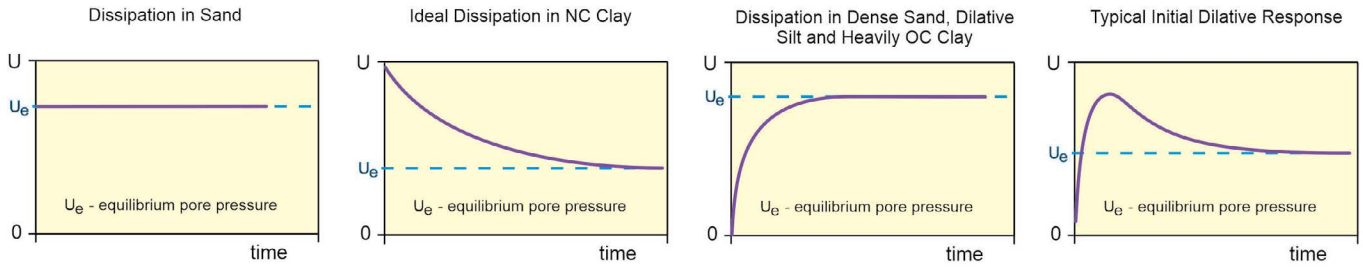


Figure PPD-2. Pore pressure dissipation curve examples

In order to interpret the equilibrium pore pressure (u_{eq}) and the apparent phreatic surface, the pore pressure should be monitored until such time as there is no variation in pore pressure with time as shown for each curve in Figure PPD-2.

CONE PENETRATION DIGITAL FILE FORMATS - eSeries

CPT Data Files (COR Extension)

ConeTec CPT data files are stored in ASCII text files that are readable by almost any text editor. ConeTec file names start with the job number (which includes the two digit year number) an underscore as a separating character, followed by two letters based on the type of test and the sounding ID. The last character position is reserved for an identifier letter (such as b, c, d etc) used to uniquely distinguish multiple soundings at the same location. The CPT sounding file has the extension COR. As an example, for job number 21-02-00001 the first CPT sounding will have file name 21-02-00001_CP01.COR

The sounding (COR) file consists of the following components:

1. Two lines of header information
2. Data records
3. End of data marker
4. Units information

Header Lines

Line 1: Columns 1-6 may be blank or may indicate the version number of the recording software
Columns 7-21 contain the sounding Date and Time (Date is MM:DD:YY)
Columns 23-38 contain the sounding Operator
Columns 51-100 contain extended Job Location information

Line 2: Columns 1-16 contain the Job Location
Columns 17-32 contain the Cone ID
Columns 33-47 contain the sounding number
Columns 51-100 may contain extended sounding ID information

Data Records

The data records contain 4 or more columns of data in floating point format. A comma and spaces separate each data item:

Column 1: Sounding Depth (meters)
Column 2: Tip (q_c), recorded in units selected by the operator
Column 3: Sleeve (f_s), recorded in units selected by the operator
Column 4: Dynamic pore pressure (u), recorded in units selected by the operator
Column 5: Empty or may contain other requested data such as Gamma, Resistivity or UVIF data

End of Data Marker

After the last line of data there is a line containing an ASCII 26 (CTL-Z) character (small rectangular shaped character) followed by a newline (carriage return / line feed). This is used to mark the end of data.

Units Information

The last section of the file contains information about the units that were selected for the sounding. A separator bar makes up the first line. The second line contains the type of units used for depth, q_c, f_s and u. The third line contains the conversion values required for ConeTec's software to convert the recorded data to an internal set of base units (bar for q_c, bar for f_s and meters for u). Additional lines intended for internal ConeTec use may appear following the conversion values.

CPT Data Files (XLS Extension)

Excel format files of ConeTec CPT data are also generated from corresponding COR files. The XLS files have the same base file name as the COR file with a -BSC suffix. The information in the file is presented in table format and contains additional information about the sounding such as coordinate information, and tip net area ratio.

The BSCI suffix is given to XLS files which are enhanced versions of the BSC files and include the same data records in addition to inclination data collected for each sounding.

CPT Dissipation Files (XLS Extension)

Pore pressure dissipation files are provided in Excel format and contain each dissipation trace that exceeds a minimum duration (selected during post-processing) formatted column wise within the spreadsheet. The first column (Column A) contains the time in seconds and the second column (Column B) contains the time in minutes. Subsequent columns contain the dissipation trace data. The columns extend to the longest trace of the data set.

Detailed header information is provided at the top of the worksheet. The test depth in meters and feet, the number of points in the trace and the particular units are all presented at the top of each trace column.

CPT Dissipation files have the same naming convention as the CPT sounding files with a "–PPD" suffix.

Data Records

Each file will contain dissipation traces that exceed a minimum duration (selected during post-processing) in a particular column. The dissipation pore pressure values are typically recorded at varying time intervals throughout the trace; rapidly to start and increasing as the duration of the test lengthens. The test depth in meters and feet, the number of points in the trace and the trace number are identified at the top of each trace column.

Cone Type Designations

Cone ID	Cone Description	Tip Cross Sect. Area (cm^2)	Tip Capacity (bar)	Sleeve Area (cm^2)**	Sleeve Capacity (bar)	Pore Pressure Capacity (bar)
EC###	A15T1500F15U35	15	1500	225	15	35
EC###	A15T375F10U35	15	375	225	10	35
EC###	A10T1000F10U35	10	1000	150	10	35

refers to the Cone ID number
**Outer Cylindrical Area