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MEMORANDUM

TO: Laura Krusinski, P.E., Maine Department of Transportation

FROM: Blaine Cardali, P.E.
Andrew Blaisdell, P.E.
Christopher Snow, P.E.

DATE: November 12, 2025

FILE NO.: 09.0026242.00

SUBJECT: Addendum No. 1 to Geotechnical Data Report
Town Farm Road Bridge No. 5785 Over Interstate 95
Maine DOT Win 29486.00 (Legacy Win 27266.00)
Sidney, Maine



We are pleased to provide this Addendum, which includes 200-series exploration program geotechnical data related to the replacement of Maine Department of Transportation (MaineDOT) Town Farm Road Bridge No. 5785 in Sidney, Maine. Our work was completed in accordance with GZA GeoEnvironmental, Inc.'s Project Contract for the above-referenced project dated August 28, 2025, and our Proposal No. 09.P000130.24a, dated December 18, 2023, and the Limitations included in **Appendix A** of this report.

BACKGROUND

During the Draft RFP phase of the project, Design-Build teams submitted inquiries regarding the soft clay encountered in boring BB-STFR-103, which had no Shelby tube samples collected or tested due to the limited thickness (approximately 5 feet). Boring BB-STFR-103 is located near the median. Since no filling is anticipated as part of the bridge replacement there, settlement and/or stability issues are not anticipated.

Boring BB-STFR-104 encountered no clay at Abutment 2. Boring BB-STFR-101 encountered approximately 5.5 feet of clay at Abutment 1 and is in an area that may require filling as part of the bridge reconstruction. In order to further characterize the clay conditions near the abutment where the clay properties are more likely to influence the design, GZA coordinated a 200-series cone penetration test (CPT). This addendum presents the results of that CPT test, CPT-STFR-201. Refer to GZA's Geotechnical Data Report, dated June 24, 2025, for previously collected project data.

Elevations referenced in this report are in feet and refer to the North American Vertical Datum of 1988 (NAVD88) unless noted otherwise.



SUBSURFACE EXPLORATIONS

GZA retained Seaboard to complete one (1) CPT, designated CPT-STFR-201 on August 28, 2025, the location and designation of which is shown on the attached Boring Location Plan, **Figure 1**. CPT-STFR-201 was advanced through the bridge deck, between the existing Abutment 1 and Pier 1. The as-completed CPT location and elevation was surveyed by MaineDOT and provided to GZA as is shown on **Figure 1**.

The CPT was performed in accordance with ASTM D5778. The CPT was advanced using a Diedrich R-11 track-mounted rig providing a reaction for advancement of a Vertek digital cone. The CPT was advanced to refusal at a depth of approximately 11.7 feet bgs (34.1 feet below the bridge deck). Parameters obtained include cone resistance (q_c), sleeve friction (f_s), and piezocone pore pressure (u_2).

The data report submitted to GZA by Seaboard dated September 30, 2025, containing the raw CPT results is included in **Appendix B**. Seaboard also provided GZA with Excel files containing the raw data collected from the CPTs which is provided for the use of the Design-Build teams in **Table 2**.

GZA utilized the analytical software *CPet/IT* by Geologismiki to develop reports of correlated soil types and engineering properties based on the raw data provided by Seaboard. These reports are included in **Appendix C**. GZA developed the correlated undrained shear strength (S_u) and overconsolidation ratio (OCR) values presented in **Appendix C** for information purposes for the Design-Build teams using the following equations and typical correlation factors for similar Presumpscot formation soils in Maine.

$$S_u = q_{net} / N_{kt}, \text{ where } N_{kt}=18$$

$$OCR = k * q_{net} / \sigma_v', \text{ where } k=0.3 \text{ and } \sigma_v' \text{ is the vertical effective stress}$$

It is noted that there were no site-specific field or laboratory tests to evaluate the correlation factors. The Design-Build teams should develop their own correlated properties based on the raw data provided.

SUBSURFACE CONDITIONS

Based on GZA's review of the interpreted CPT-STFR-201 data, the conditions encountered are generally consistent with the adjacent borings BB-STFR-101 and BB-STFR-102. The CPT encountered approximately 8 feet of very stiff to stiff Silty Clay below 2.5 feet of fill and was terminated 1.2 feet into the underlying Glacial Till. The interpretations of the raw data indicate shear strengths ranging from 1,300 psf to 2,300 psf and an OCR ranging from 3 to 5. The attached **Table 1** provides interpreted stratification for the 100-series borings and 200-series CPT.



CLOSURE

We trust that this information meets current project needs. Please feel free to call Blaine Cardali at (207) 751-3252 for additional information.

BMC/ARB/CLS:cc

\\GZAPort1\Jobs\09 Jobs\0026200s\09.0026242.00 - Stantec - Sidney 5 Bridges Bundle\Report\WIN 027266.00 Town Farm Rd Report\Supplemental Data\26242.00-Town Farm Rd Bridge #5785
Addendum No. 1 to Geotechnical Data Report 11.12.2025.docx

Attachments: Table 1 – Revised Subsurface Summary Table
 Table 2 – Raw Cone Penetration Test Data
 Figure 1 – Revised Boring Location Plan
 Appendix A - Limitations
 Appendix B – Cone Penetration Test Data Reports by Seaboard
 Appendix C – Cone Penetration Test Interpretive Plot by GZA



TABLES



TABLE 1
Summary of Subsurface Explorations
Town Farm Road Bridge #5785 over I-95
Sidney, ME
WIN 27266.00

Boring ID	Northing	Easting	Ground Surface El. (ft)	Top of Stratum Elevation						Stratum Thickness					Depth to Bedrock (ft)	Bottom of Boring Depth (ft)	Bottom of Boring El. (ft)	Groundwater	
				Asphalt	Fill	Marine Clay	Marine Sand	Glacial Till	Bedrock	Asphalt	Fill	Marine Clay	Marine Sand	Glacial Till				El. (ft)	Depth (ft)
BB-STFR-101	606731.9	1158979.8	197.0	197.0	196.5	178.5	NE	170.0	162.6	0.5	18.0	8.5	NE	7.4	34.4	45.0	152.0	178.0	19.0
BB-STFR-102	606709.1	1159104.9	173.9	NE	173.9	168.9	NE	162.4	154.3	NE	5.0	6.5	NE	8.1	19.6	30.0	143.9	167.8	6.1
BB-STFR-103	606693.0	1159185.6	170.5	NE	170.5	167.0	NE	162.0	150.3	NE	3.5	5.0	NE	11.7	20.2	34.0	136.5	160.9	9.6
BB-STFR-104	606669.1	1159310.9	189.5	NE	189.5	NE	166.0	151.0	121.0	NE	23.5	NE	15.0	30.0	68.5	79.0	110.5	160.7	28.8
CPT-STFR-201	606709.3	1159037.2	174.8	NE	174.8	172.3	NE	164.3	NE	NE	2.5	8.0	NE	>1.2	NE	11.7	163.1	172.0	2.8

El. = Elevation, NE = Not Encountered, NM = Not Measured, NP = Not Penetrated, > = Boring Terminated in Stratum

Notes:

- 1. Refer to the boring logs and cone penetration test reports for additional information.
- 2. Project elevation datum is North American Vertical Datum (NAVD 88), unless noted otherwise.
- 3. Project coordinates are in survey feet and reference the North American Datum of 1983 (NAD83) Maine Coordinate System 2000 West, unless noted otherwise.
- 4. As-drilled locations were surveyed by MaineDOT and provided to GZA.
- 5. Stratum depths, thickness and elevations are rounded to the nearest 0.1 foot as interpreted on the boring logs, but this does not represent the precision of the data.

TABLE 2
CPT-STFR-201 Raw Cone Penetration Test Data
Town Farm Road Bridge #5785 over I-95
Sidney, ME
WIN 27266.00

Depth	Tip COR	Sleeve Stress	Pore Pressure	SBT FR	Ratio
(ft)	(psi)	(psi)	(psi)	(Rob. 1986)	(%)
22.367	171.25	1.5408	0	6	0.9
22.434	203.86	1.5408	0	6	0.756
22.501	239.75	1.5695	0	6	0.655
22.584	187.69	1.6924	0.659	6	0.902
22.651	194.23	1.6356	0.741	6	0.843
22.718	210.54	1.6356	0.741	6	0.777
22.785	249.71	1.6356	0.906	6	0.655
22.852	332.86	1.8545	0.741	7	0.557
22.919	420.94	2.2284	0.824	7	0.53
22.986	549.78	3.0321	0.741	7	0.552
23.053	650.89	7.2174	0.741	7	1.109
23.12	783.03	10.3342	0.906	7	1.32
23.187	931.42	8.4304	0.741	8	0.905
23.254	1123.98	11.1587	1.318	8	0.993
23.321	1378.45	25.1372	1.482	7	1.824
23.388	3167.47	46.4378	0.824	8	1.466
23.455	5517.69	52.3018	0.92	9	0.948
23.521	6525.57	46.546	0.702	10	0.713
23.588	3438.18	43.3895	0.702	9	1.262
23.655	2839.73	43.9235	1.236	8	1.547
23.722	2453.28	43.8526	1.647	8	1.788
23.789	1399.36	43.8051	0	6	3.13
23.856	1547.83	40.6032	0.329	7	2.623
23.923	1965.33	30.8345	0.165	8	1.569
23.99	1586.99	21.1744	0.412	8	1.334
24.057	1450.16	21.3173	1.236	8	1.47
24.124	1458.48	26.9833	2.059	7	1.851
24.191	1684.9	27.2082	0.659	8	1.615
24.258	1774.92	25.4244	2.223	8	1.433
24.325	1388.39	25.1975	2.306	7	1.815
24.392	1130.72	25.0452	2.388	7	2.216
24.458	1053.77	23.0005	0.906	7	2.183
24.525	1027.68	17.8355	0.947	7	1.736
24.592	920.02	13.6898	0.824	7	1.488
24.659	740.65	12.9757	0.988	7	1.752
24.726	548.42	12.6473	2.141	6	2.308
24.793	474.75	11.3942	0.741	6	2.401
24.86	326.57	9.8403	1.894	5	3.017
24.927	243.79	9.5256	3.953	4	3.92

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CPT-STFR-201 Raw Cone Penetration Test Data
Town Farm Road Bridge #5785 over I-95
Sidney, ME
WIN 27266.00

Depth	Tip COR	Sleeve Stress	Pore Pressure	SBT FR	Ratio
(ft)	(psi)	(psi)	(psi)	(Rob. 1986)	(%)
24.994	231.15	9.7651	5.929	3	4.246
25.061	260.47	9.2728	5.764	4	3.576
25.128	281.62	8.3646	5.517	5	2.982
25.195	261.81	7.1301	4.282	5	2.732
25.262	243.35	6.9162	1.729	5	2.846
25.329	230.16	6.6355	0.988	5	2.885
25.395	228.41	6.5671	0.412	5	2.876
25.462	217.07	6.4651	0.755	5	2.98
25.529	218.55	6.447	0.048	5	2.95
25.596	225.07	6.4594	0	5	2.87
25.646	236.49	6.4736	0	5	2.737
25.713	256.05	6.6758	0	5	2.607
25.78	254.43	6.8597	0	5	2.696
25.847	223.44	6.5036	0	5	2.911
25.914	210.39	6.0394	0	5	2.871
25.981	192.45	5.8645	0	5	3.047
26.048	184.29	5.7074	0	4	3.097
26.115	176.32	5.1665	0.906	5	2.933
26.182	202.65	4.4648	2.059	5	2.208
26.249	229	3.8155	3.376	6	1.671
26.316	234.2	3.2801	4.859	6	1.406
26.383	241.18	3.2864	7.164	6	1.371
26.45	243.3	3.536	9.635	6	1.465
26.517	253.73	3.2949	12.846	6	1.312
26.583	274.05	3.3044	16.552	6	1.221
26.65	278.13	3.2425	20.669	6	1.183
26.717	264.36	3.129	25.198	6	1.207
26.784	283.18	3.1099	29.645	6	1.122
26.851	268.08	2.9578	35.656	6	1.133
26.918	270.6	2.7068	40.102	6	1.031
26.985	270.19	2.6074	46.196	6	0.999
27.052	266.25	2.6455	50.972	6	1.033
27.119	259.13	2.6832	56.16	6	1.082
27.186	247.55	2.6834	63.488	6	1.143
27.253	242.08	2.707	68.759	6	1.186
27.32	236.33	2.6786	72.629	6	1.208
27.387	231.06	2.6786	78.887	6	1.244
27.454	234.29	2.6786	86.874	6	1.235
27.52	242.66	2.6691	96.097	6	1.195

TABLE 2
CPT-STFR-201 Raw Cone Penetration Test Data
Town Farm Road Bridge #5785 over I-95
Sidney, ME
WIN 27266.00

Depth	Tip COR	Sleeve Stress	Pore Pressure	SBT FR	Ratio
(ft)	(psi)	(psi)	(psi)	(Rob. 1986)	(%)
27.587	255.92	2.6644	97.168	6	1.127
27.654	262.54	2.6691	97.662	6	1.098
27.721	254.61	2.6644	98.773	6	1.134
27.788	252.28	2.6596	89.18	6	1.134
27.855	254.02	2.6216	99.885	6	1.12
27.922	251.49	2.7216	107.626	6	1.184
27.989	255.05	2.949	109.108	6	1.264
28.056	264.22	2.9961	106.061	6	1.233
28.123	264.76	2.9393	100.626	6	1.201
28.19	253.98	2.9108	87.451	6	1.231
28.257	234.39	2.8396	87.369	6	1.309
28.324	225.51	2.7876	91.897	6	1.346
28.391	217.67	2.7354	93.462	6	1.375
28.457	225.83	2.6976	97.579	6	1.308
28.524	220.5	2.6974	75.017	6	1.313
28.591	251.11	2.5121	81.275	6	1.07
28.658	231.29	2.2327	80.04	6	1.037
28.725	218.22	2.1715	88.11	6	1.082
28.792	221.75	2.1902	97.579	6	1.083
28.859	231.7	2.1905	106.555	6	1.041
28.926	230.99	2.3422	103.014	6	1.113
28.993	231.4	2.4986	105.073	6	1.188
29.06	258.75	2.6218	111.331	6	1.109
29.127	260.21	2.6786	110.467	6	1.125
29.194	243.9	2.631	110.467	6	1.186
29.261	248.62	2.8836	109.602	6	1.272
29.328	279.36	4.2796	116.519	6	1.671
29.394	307.51	5.6416	118.66	6	1.988
29.461	334.66	5.5274	123.93	6	1.784
29.528	346.23	5.5285	100.214	6	1.695
29.595	310.21	5.8694	99.556	6	2.022
29.662	259.53	6.1113	98.897	5	2.549
29.729	245.62	5.7106	110.919	5	2.556
29.796	229.31	4.2408	110.919	6	2.047
29.863	225.26	3.1188	115.119	6	1.542
29.93	229.16	2.8113	126.483	6	1.379
29.997	241.53	2.8256	131.259	6	1.313
30.064	259.49	4.1339	139.493	6	1.785
30.131	296.61	6.5538	129.365	6	2.421

TABLE 2
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Town Farm Road Bridge #5785 over I-95
Sidney, ME
WIN 27266.00

Depth	Tip COR	Sleeve Stress	Pore Pressure	SBT FR	Ratio
(ft)	(psi)	(psi)	(psi)	(Rob. 1986)	(%)
30.198	338.98	6.6346	129.2	6	2.119
30.265	465.76	4.9043	127.059	7	1.114
30.332	534.87	3.7114	89.345	7	0.718
30.398	455.12	3.3563	90.127	7	0.768
30.465	319.91	3.3093	90.91	6	1.097
30.532	251.56	3.347	91.692	6	1.435
30.599	225.62	2.976	92.474	6	1.437
30.666	215.27	2.3511	105.979	6	1.211
30.733	228.11	2.1713	113.061	6	1.057
30.8	227.6	2.0809	118.66	6	1.021
30.867	243.69	2.0056	125.742	6	0.918
30.934	256.36	2.0147	123.848	6	0.87
31.001	256.91	2.0009	126.606	6	0.864
31.068	256.36	2.0669	123.848	6	0.892
31.135	257.08	2.1337	127.471	6	0.921
31.202	256.36	2.19	123.848	6	0.946
31.269	236.63	2.0623	114.872	6	0.965
31.335	230.97	2.0909	119.236	6	1.009
31.402	223.33	2.1049	113.637	6	1.049
31.469	218.24	2.2146	112.649	6	1.132
31.536	226.63	3.2663	113.802	6	1.602
31.603	224.45	4.4959	111.084	5	2.223
31.67	215.29	4.2421	106.061	5	2.186
31.737	237.2	4.53	109.602	6	2.104
31.804	354.41	5.9703	132.988	6	1.821
31.871	369.82	7.2557	112.154	6	2.089
31.938	361.31	8.768	69.582	6	2.524
32.005	377.77	9.9997	54.019	6	2.725
32.072	320.85	10.7911	62.994	5	3.501
32.139	372.41	10.4175	84.322	5	2.93
32.206	455.28	9.2231	82.757	6	2.102
32.272	518.48	9.1105	40.02	6	1.785
32.339	502.23	8.9979	40.288	6	1.821
32.406	450.1	8.8853	40.555	6	2.01
32.473	446.89	9.3413	40.823	6	2.129
32.54	446.94	11.2636	41.091	6	2.567
32.607	447.93	13.0803	62.336	5	3.004
32.674	464.58	13.3268	47.76	6	2.929
32.741	515.77	13.3261	42.737	6	2.627

TABLE 2
CPT-STFR-201 Raw Cone Penetration Test Data
Town Farm Road Bridge #5785 over I-95
Sidney, ME
WIN 27266.00

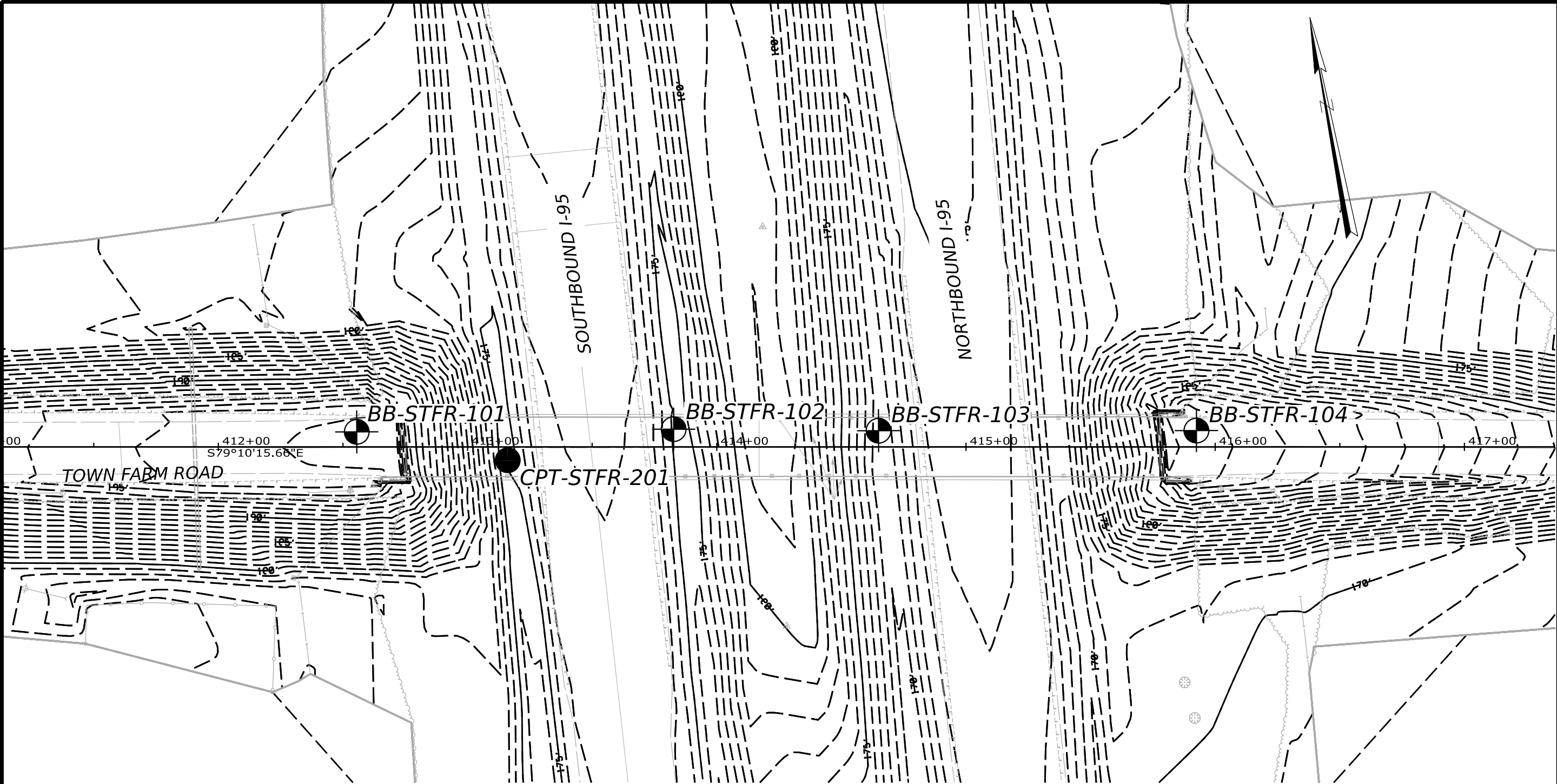
Depth	Tip COR	Sleeve Stress	Pore Pressure	SBT FR	Ratio
(ft)	(psi)	(psi)	(psi)	(Rob. 1986)	(%)
32.808	685.04	13.3842	41.008	7	1.977
32.875	818.7	13.9817	24.292	7	1.718
32.942	994.79	14.6407	7.741	7	1.474
33.009	1068.88	15.2805	3.047	7	1.43
33.076	1112.45	15.5735	0.741	7	1.4
33.143	1148.18	15.6357	0	8	1.362
33.209	1130.24	15.9391	0	7	1.41
33.276	1151.44	16.2855	0	7	1.414
33.343	1198.74	16.8072	0	8	1.402
33.41	1242.78	17.4378	0	8	1.403
33.477	1290.08	18.2204	0	8	1.412
33.544	1335.74	19.0307	0	8	1.425
33.611	1352.06	19.861	0	8	1.469
33.678	1378.15	21.0893	0	8	1.53
33.745	1493.95	21.6027	0	8	1.446
33.812	1759.79	0	0	9	0
33.879	2154.48	0	0	9	0
33.946	2754.67	0	0	10	0
34.013	3806.64	0	0	10	0
34.08	5085.3	0	0	10	0

Notes:

1. Reference depth for CPT (depth = 0) is the bridge deck (El. 197.2). The distance from ground surface to bridge deck was 22.4 feet.
2. See CPT Data Report in Appendix B for additional information.



FIGURES



NOTES

- 1) Base map developed from the Work Set electronic files provided by Stantec on April 7, 2025.
- 2) The as-drilled locations of the test borings and cone penetration tests were surveyed by Maine DOT and provided by Stantec in an electronic file (Topo.dgn) on April 7, 2025, with updates on September 25, 2025.

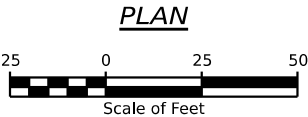
BORING LOCATION PLAN LEGEND

 **BB-STFR-104**

Location and designation of BB-STFR-100 series borings performed by Seaboard Drilling, LLC of Bangor, Maine and observed by GZA personnel between July 16 and 19, 2024.

 **CPT-STFR-201**

Location and designation of CPT-STFR-200 series cone penetration tests performed by Seaboard Drilling, LLC of Bangor, Maine and observed by GZA personnel on August 28, 2025.



TOWN FARM ROAD BRIDGE SIDNEY, MAINE		PROJ. MANAGER		J. BRACK	BY	DATE	STATE OF MAINE DEPARTMENT OF TRANSPORTATION	
		DESIGN-RETAINED	NWW	5/13/2025				
BORING LOCATION PLAN		CHECKED-REVIEWED	ARB		NWW	5/16/2025	SIGNATURE	
		DESIGN-DETAIL	ED2		CLS			
		DESIGN-3-DET	TALE03					P.E. NUMBER
		REVISIONS 1						
		REVISIONS 2						DATE
		REVISIONS 3						
		REVISIONS 4						
		REVISIONS 5						
				BRIDGE CHARGES				
								BRIDGE NO. 5785
						27266.00	27266.00	
						HIGHWAY PLANS		



APPENDIX A – LIMITATIONS



LIMITATIONS

Use of Report

1. GZA GeoEnvironmental, Inc. (GZA) prepared this report on behalf of, and for the exclusive use of our Client for the stated purpose(s) and location(s) identified in the Proposal for Services and/or Report. Use of this report, in whole or in part, at other locations, or for other purposes, may lead to inappropriate conclusions; and we do not accept any responsibility for the consequences of such use(s). Further, reliance by any party not expressly identified in the agreement, for any use, without our prior written permission, shall be at that party's sole risk, and without any liability to GZA.

Standard of Care

2. GZA's findings and conclusions are based on the work conducted as part of the Scope of Services set forth in Proposal for Services and/or Report, and reflect our professional judgment. These findings and conclusions must be considered not as scientific or engineering certainties, but rather as our professional opinions concerning the limited data gathered during the course of our work. If conditions other than those described in this report are found at the subject location(s), or the design has been altered in any way, GZA shall be so notified and afforded the opportunity to revise the report, as appropriate, to reflect the unanticipated changed conditions .
3. GZA's services were performed using the degree of skill and care ordinarily exercised by qualified professionals performing the same type of services, at the same time, under similar conditions, at the same or a similar property. No warranty, expressed or implied, is made.

Subsurface Conditions

4. The generalized soil profile(s) provided in our Report are based on widely-spaced subsurface explorations and are intended only to convey trends in subsurface conditions. The boundaries between strata are approximate and idealized, and were based on our assessment of subsurface conditions. The composition of strata, and the transitions between strata, may be more variable and more complex than indicated. For more specific information on soil conditions at a specific location refer to the exploration logs.
5. In preparing this report, GZA relied on certain information provided by the Client, state and local officials, and other parties referenced therein which were made available to GZA at the time of our evaluation. GZA did not attempt to independently verify the accuracy or completeness of all information reviewed or received during the course of this evaluation.
6. Water level readings have been made in test holes (as described in the Report) and monitoring wells at the specified times and under the stated conditions. These data have been reviewed and interpretations have been made in this Report. Fluctuations in the level of the groundwater however occur due to temporal or spatial variations in areal recharge rates, soil heterogeneities, the presence of subsurface utilities, and/or natural or artificially induced perturbations. The water table encountered in the course of the work may differ from that indicated in the Report.
7. GZA's services did not include an assessment of the presence of oil or hazardous materials at the property. Consequently, we did not consider the potential impacts (if any) that contaminants in soil or groundwater may have on construction activities, or the use of structures on the property.

Compliance with Codes and Regulations

8. We used reasonable care in identifying and interpreting applicable codes and regulations. These codes and regulations are subject to various, and possibly contradictory, interpretations. Compliance with codes and regulations by other parties is beyond our control.



APPENDIX B – CONE PENETRATION TEST DATA REPORT BY SEABOARD

S-25-1435

September 30, 2025

GZA GeoEnvironmental, Inc.
Attention: Blaine Cardali, P.E.
707 Sable Oaks Drive, Suite 150
Portland, ME 04106

Subject: CPT Exploration Findings
Proposed Bridge Replacement
MaineDOT Bridge #5785
Town Farm Road over I-95
Sidney, Maine

Dear Blaine:

In accordance with our Subcontract Agreement, dated July 2, 2024 we completed a piezocone penetration testing (CPT) exploration for the replacement of the Town Farm Road bridge over I-95 in Sidney. This report summarizes and provides data relative to the CPT exploration and its contents are subject to the limitations set forth in Appendix A.

CPT EXPLORATION PROGRAM

One CPT exploration, designated CPT-STFR-201, was advanced at the site on August 28, 2025. The CPT was advanced through the bridge deck to the underlying interstate ditch and then advanced 11.7 feet below the existing ground surface. The exploration location was selected and marked at the site by GZA personnel. The CPT was advanced using a Diedrich D-50 track mounted drill rig utilizing Vertek piezocone equipment. The CPT exploration was performed in accordance with ASTM D5778.

SUBSURFACE CONDITIONS

The following is a summary of subsurface findings in the CPT.

CPT-STFR-201		
Depth (feet)	Predominant Soil Type	Soil Description
0-22.4		Open air - bridge deck to ground surface
22.4-24.5	Types 7 & 8	Layered silts and sands
24.5-26	Type 5	Clayey silt to silty clay
26-32.5	Type 6	Sandy silt to clayey silt
32.5-34.1	Types 7 & 8	Sands

Soil behavior type profiling is based on normalized cone penetration resistance, Robertson 1986. Detailed soil type behavior is presented on the attached logs.

CLOSURE

It has been a pleasure to be of assistance to you on this project. Please let us know if you have any questions.

Sincerely,

Seaboard Drilling, LLC



Kevin J. Hanscom
Drilling Operations Manager – Northern Division

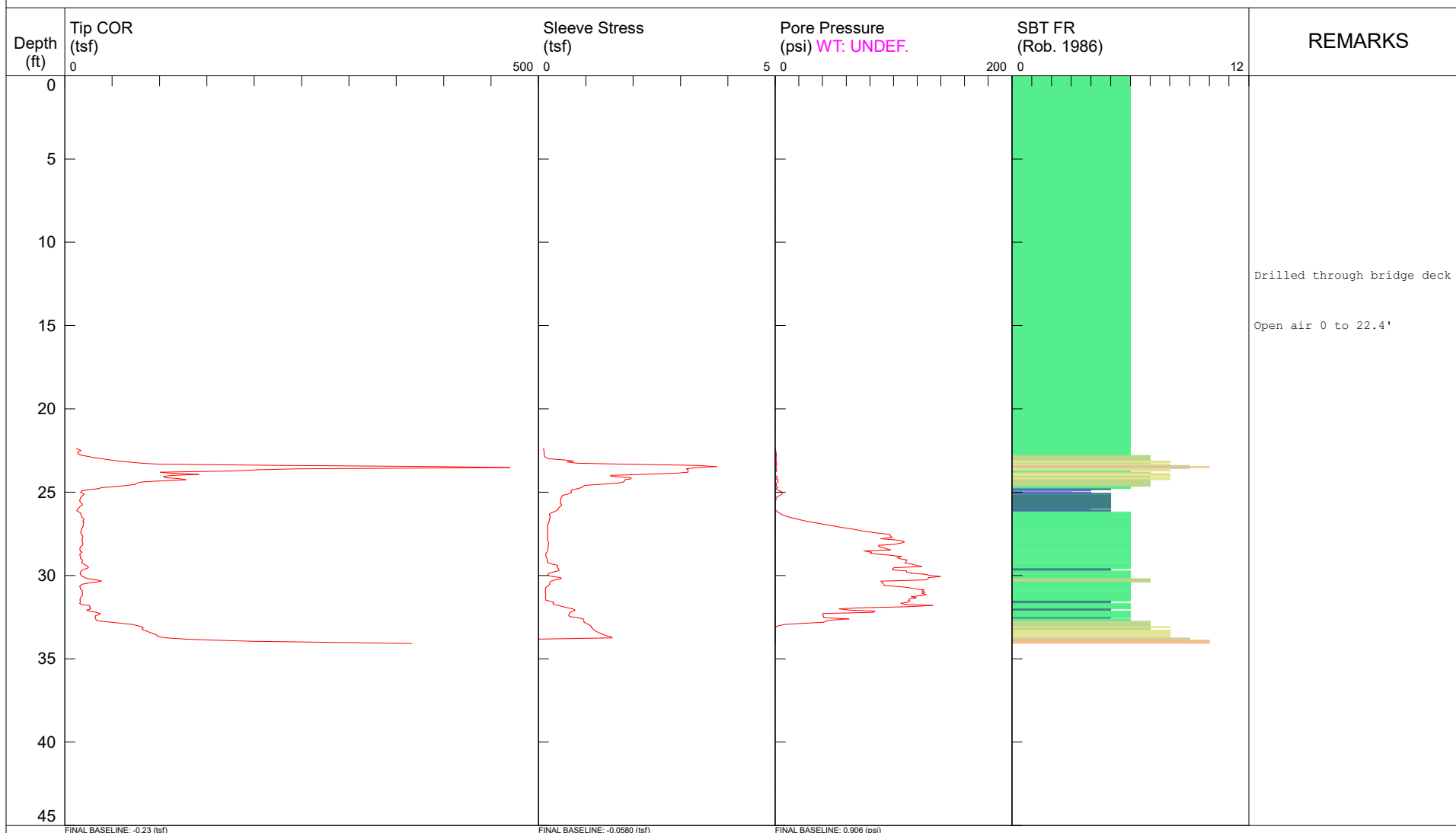
CONE PENETRATION TEST PLOTS

SEABOARD
— DRILLING —

CLIENT: GZA

FILENAME: CPT-STFR-201.DAT

TOTAL DEPTH: 34.080 ft



PROBE ID: 4644.163XX

- | | |
|---|------------------------|
| 1 | Sensitive fine grained |
| 2 | Organic material |
| 3 | Clays |

- 4 Silty clay to clay
- 5 Clayey silt to silty clay
- 6 Sandy silt to clayey silt

- | | |
|---|--------------------------|
| 7 | Silty sand to sandy silt |
| 8 | sand to silty sand |
| 9 | Sand |

- 10 Gravelly sand to sand
11 Very stiff fine grained **
12 Sand to clayey sand **

*SBT: Robertson 1986; **Overconsolidated or Cemented; *SBT/SPT CORRELATION: UBC-1983



APPENDIX C – CONE PENETRATION TEST INTERPRETIVE PLOT BY GZA



GZA GeoEnvironmental, Inc.
707 Sable Oaks Drive, Suite 150
South Portland, Maine

CPT: CPT-STFR-201

Total depth: 34.08 ft, Date: 8/28/2025

Surface Elevation: 197.00 ft

Coords: X:606709.30, Y:1159037.20

Cone Type: Vertek

Cone Operator: Seaboard Drilling, LLC

Project: Town Farm Road Bridge No. 5785 over I-95 Replacement, WIN 27266.00 (GZA File No. 09.0026242.00)

Location: Sidney, ME

