

File No.: 04-1000-20-2025-558

October 10, 2025

Jon Girard

By Email:



Dear Jon:

Re: **Request for Access to Records under the Freedom of Information and Protection of Privacy Act (the "Act")**

I am responding to your request of August 20, 2025 under the *Freedom of Information and Protection of Privacy Act* for:

Record of the following reports in regards to the Vancouver Aquatic Centre Project:

- 1. Archaeologic impact assessments;**
- 2. Geotechnical bore-hole logs;**
- 3. Shoring engineering reports; and**
- 4. Class B cost comparisons for 50 m versus 25 m options.**

Date range: August 1, 2023 to February 28, 2025.

All responsive records are attached*.

*Please note, Real Estate & Facilities Management staff have advised our office that there are no records responsive to points one, three, and four.

Under Part 5 of the Act, you may ask the Information & Privacy Commissioner to review any matter related to the City's response to your FOI request by writing to: Office of the Information & Privacy Commissioner, info@oipc.bc.ca or by phoning 250-387-5629.

If you request a review, please provide the Commissioner's office with: 1) the request number (2025-558); 2) a copy of this letter; 3) a copy of your original request; and 4) detailed reasons why you are seeking the review.

Yours truly,

[Signed by Cobi Falconer]

**Cobi Falconer, MAS, MLIS, CIPP/C
Director, Access to Information & Privacy**

If you have any questions, please email us at foi@vancouver.ca and we will respond to you as soon as possible. You may also contact 3-1-1 (604-873-7000) if you require accommodation or do not have access to email.

Encl. (Response Package)

:kt



- LEGEND**
- ⊕ Sonic hole
 - ⊕ Auger hole
 - ⊕ Auger hole with monitoring well
 - ⊕ Auger hole with monitoring well for environmental purposes
 - Property line
 - Site perimeter
 - ▨ Maximum building footprint

NOTES

1. Imagery from City of Vancouver, dated 2015.

ISSUED FOR USE

0 50m
Scale: 1:1,500 @ 11"x17"

CLIENT

CITY OF VANCOUVER

TETRA TECH

VANCOUVER AQUATIC CENTRE VANCOUVER, BC				
OVERVIEW PLAN				
PROJECT NO. ENG.VGEO04430-01	DWN RH	CKD AL	REV 1	Figure 1
OFFICE VANC	DATE June 4, 2025			

Q:\Vancouver\Drafting\Engineering\VGEO\ENG.VGEO04430-01\ENG.VGEO04430-01 TH Plan R1c.dwg [FIGURE 1] June 04, 2025 - 10:08:16 am (BY: HALL, ROBERT J.)

Borehole No: SH23-01

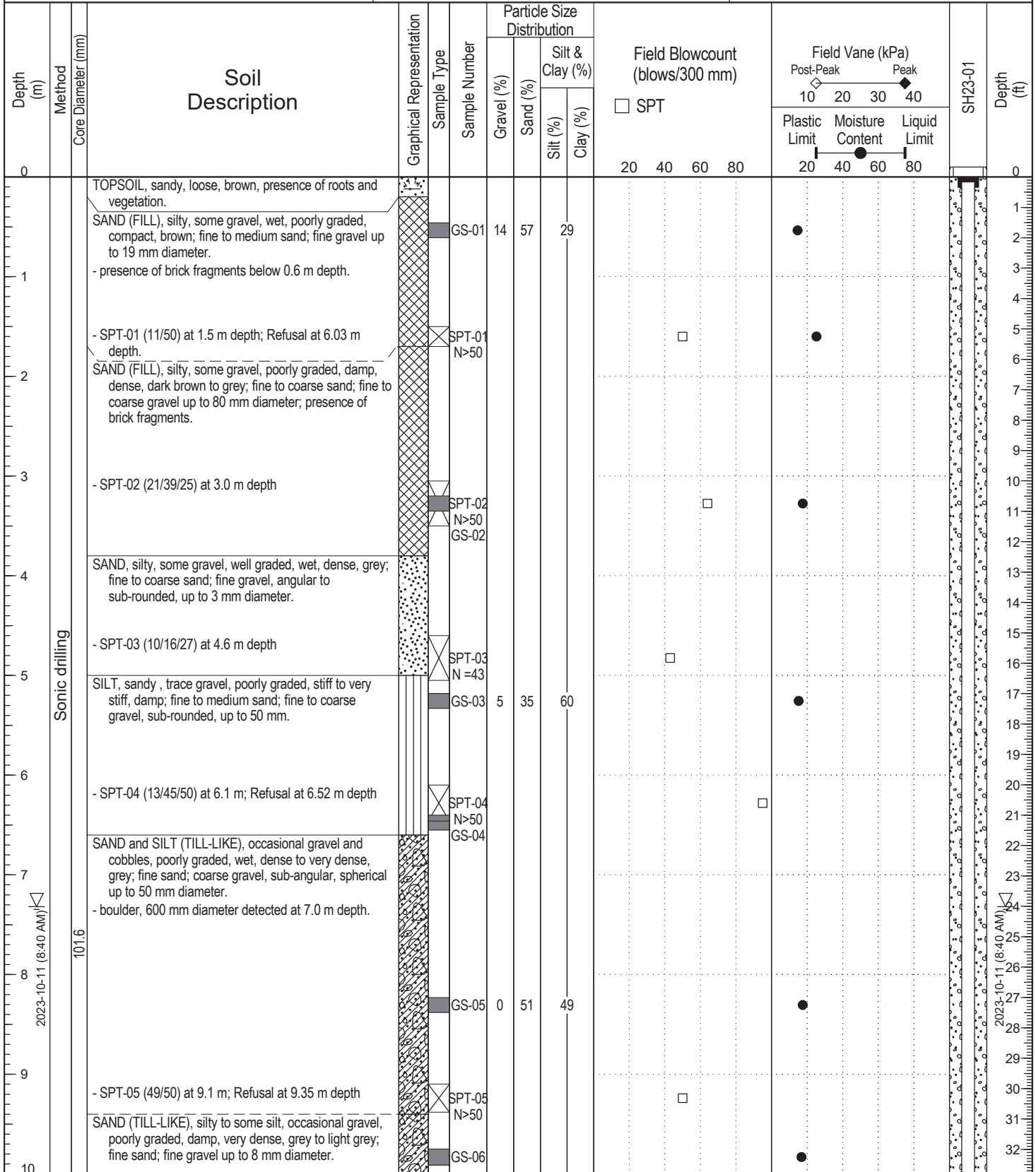
Project: VAC Geotechnical Engineering Services

Project No: 704-ENG.VGEO04430-01

Location: Beach Avenue & Burrad Street

Vancouver, BC

UTM: 490158 E; 5458283 N; Z



Borehole No: SH23-01

Project: VAC Geotechnical Engineering Services

Project No: 704-ENG.VGEO04430-01

Location: Beach Avenue & Burrad Street

Vancouver, BC

UTM: 490158 E; 5458283 N; Z

Depth (m)	Method Core Diameter (mm)	Soil Description	Graphical Representation	Sample Type	Sample Number	Particle Size Distribution				Field Blowcount (blows/300 mm) ☐ SPT	Field Vane (kPa)			SH23-01	Depth (ft)		
						Gravel (%)	Sand (%)	Silt & Clay (%)			Post-Peak 10 20 30 40	Peak 10 20 30 40					
								Silt (%)	Clay (%)				Plastic Limit 20 40 60 80			Moisture Content 20 40 60 80	Liquid Limit 20 40 60 80
10																	
11	Sonic drilling	SANDSTONE, highly weathered, extremely weak, very thinly bedded, grey, medium grained, grey. - bedrock recovered as pulverized rock due to drilling effort at 11.0 m depth.			GS-07										33		
12		- moderately weathered, very weak rock below 12.2 m depth.														34	
13																	35
14		- slightly weathered rock below, weak rock below 13.7 m depth.															36
15																	
16		END OF SONIC HOLE AT 15.2 m DEPTH. - Soil descriptions, consistency, and density are based on visual classifications, field observations and testing, drill performance, and laboratory testing. Some variation through the interpreted soil layers is expected. - Upon completion of drilling, a PVC casing consisting of a 50 mm diameter Schedule 40 PVC pipe was installed to the bottom of the testhole for completing Downhole Seismic Test. - Water level measured in drill casing before the PVC casing installation. - UTM coordinates are approximate (+/- 5 m) and were collected using a handheld GPS .													38		
17																	39
18																	40
19																	41
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Borehole No: SH23-02

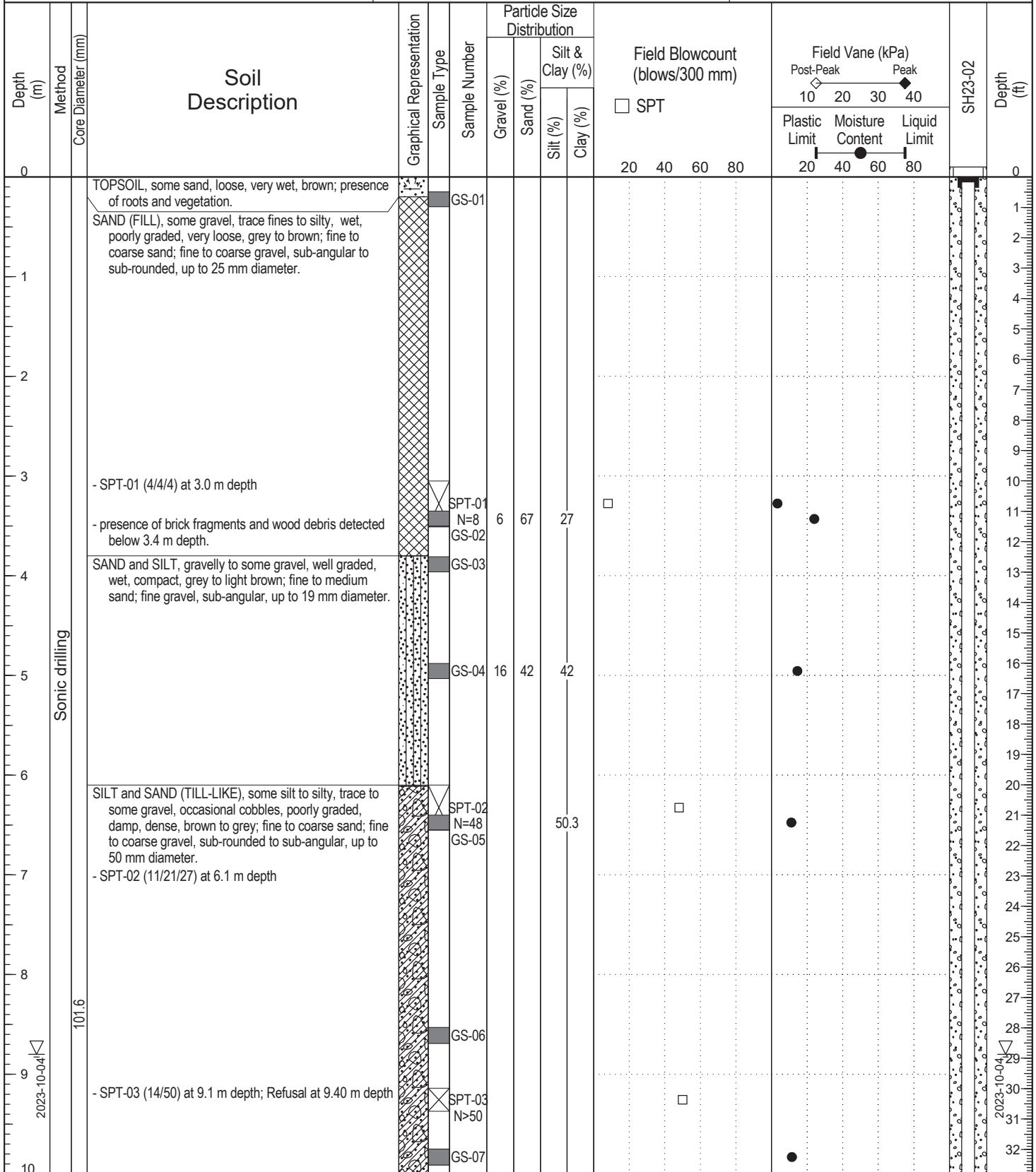
Project: VAC Geotechnical Engineering Services

Project No: 704-ENG.VGEO04430-01

Location: Beach Avenue & Burrad Street

Vancouver, BC

UTM: 490105 E; 5458351 N; Z



Borehole No: SH23-02

Project: VAC Geotechnical Engineering Services

Project No: 704-ENG.VGEO04430-01

Location: Beach Avenue & Burrad Street

Vancouver, BC

UTM: 490105 E; 5458351 N; Z

Depth (m)	Method Core Diameter (mm)	Soil Description	Graphical Representation	Sample Type	Sample Number	Particle Size Distribution				Field Blowcount (blows/300 mm) ☐ SPT	Field Vane (kPa)			SH23-02	Depth (ft)		
						Gravel (%)	Sand (%)	Silt & Clay (%)			Post-Peak 10 20 30 40	Peak 10 20 30 40					
								Silt (%)	Clay (%)				Plastic Limit 20 40 60 80			Moisture Content 20 40 60 80	Liquid Limit 20 40 60 80
10																	
11	Sonic drilling	- contains cobbles up to 250 mm diameter below 10.7 m depth. - recovered pulverized rock due to drilling effort between 10.7 m and 11.1 m depth SANDSTONE, highly weathered, extremely weak, thinly bedded, grey, fine to medium grained, grey. - bedrock recovered as pulverized rock due to drilling effort at 11.1 m depth - moderately weathered, very weak rock below 12.2 m depth		GS-08											33		
12																34	
13																	35
14																	36
15																	37
16																	38
17																	39
18																	40
19																	41
20																	42
17		END OF SONIC HOLE AT 16.8 m DEPTH. - Soil descriptions, consistency, and density are based on visual classifications, field observations and testing, drill performance, and laboratory testing. Some variation through the interpreted soil layers is expected. - Upon completion of drilling, a PVC casing consisting of a 50 mm diameter Schedule 40 PVC pipe was installed to the bottom of the testhole for completing Downhole Seismic Test. - Water level measured in drill casing before the PVC casing installation. - UTM coordinates are approximate (+/- 5 m) and were collected using a handheld GPS .												55			
18															56		
19															57		
20															58		
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															64		
															65		

END OF SONIC HOLE AT 16.8 m DEPTH.

- Soil descriptions, consistency, and density are based on visual classifications, field observations and testing, drill performance, and laboratory testing. Some variation through the interpreted soil layers is expected.
- Upon completion of drilling, a PVC casing consisting of a 50 mm diameter Schedule 40 PVC pipe was installed to the bottom of the testhole for completing Downhole Seismic Test.
- Water level measured in drill casing before the PVC casing installation.
- UTM coordinates are approximate (+/- 5 m) and were collected using a handheld GPS.

Depth (m)	Method Core Diameter (mm)	Soil Description	Graphical Representation	Sample Type	Sample Number	Particle Size Distribution				Field Blowcount (blows/300 mm)	Field Vane (kPa)			SH23-03	Depth (ft)
						Gravel (%)	Sand (%)	Silt & Clay (%)			Post-Peak	Peak			
								Silt (%)	Clay (%)			Plastic Limit	Moisture Content		
0										☐ SPT					0
	Sonic drilling 101.6	TOPSOIL, sandy, loose, wet, brown, presence of roots and vegetation.													1
		SAND (FILL), some silt, some gravel, very wet, poorly graded, very loose to loose, grey to brown; fine to coarse sand; coarse gavel, sub-angular, up to 38 mm diameter.													2
1		- presence of brick and asphalt pieces at 0.6 m depth.													3
		- SPT-01 (2/2/3) at 1.5 m depth													4
															5
2		SAND (FILL), some silt, some gravel, damp, loose to compact, yellow to brown; fine to coarse sand; fine to coarse gravel up to 50 mm diameter; presence of concrete, asphalt and brick fragments.			SPT-01 N=5										6
					GS-01										7
															8
3		SAND, trace fines, trace gravel, contains shell fragments, well graded, moist to wet, loose to compact, dark brown; medium to coarse sand; coarse gravel, elongated, sub-rounded, up to 25 mm diameter.			SPT-02 N=14										9
		- SPT-02 (6/7/7) at 3.0 m depth			GS-02	6	83	11							10
														11	
4	SAND (TILL-LIKE), silty, some gravel, well graded, damp, dense to very dense, grey; fine to coarse sand; fine gravel.													12	
	- SPT-03 (50) at 4.57 m depth; Refusal at 4.60 m depth			GS-03										13	
				SPT-03 N>50	13	66	21							14	
5	SANDSTONE, highly weathered, extremely weak, thinly bedded, grey			GS-04										15	
	- bedrock recovered as pulverized rock due to drilling effort at 4.9 m depth													16	
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														28	
														29	
														30	
		END OF SONIC HOLE AT 9.2 m DEPTH.												31	
		- Soil descriptions, consistency, and density are based on visual classifications, field observations and testing, drill performance, and laboratory testing. Some variation through the interpreted soil layers is												32	



Borehole No: SH23-03

Project: VAC Geotechnical Engineering Services

Project No: 704-ENG.VGEO04430-01

Location: Beach Avenue & Burrad Street

Vancouver, BC

UTM: 490066 E; 5458346 N; Z

Depth (m)	Method Core Diameter (mm)	Soil Description	Graphical Representation	Sample Type	Sample Number	Particle Size Distribution				Field Blowcount (blows/300 mm) ☐ SPT 20 40 60 80	Field Vane (kPa)			SH23-03	Depth (ft)
						Gravel (%)	Sand (%)	Silt & Clay (%)			Post-Peak Peak 10 20 30 40				
								Silt (%)	Clay (%)		Plastic Limit 20 40 60 80	Moisture Content 20 40 60 80	Liquid Limit 20 40 60 80		
10															
		expected. - Upon completion of drilling, a PVC casing consisting of a 50 mm diameter Schedule 40 PVC pipe was installed to the bottom of the testhole for completing Downhole Seismic Test. - UTM coordinates are approximate (+/- 5 m) and were collected using a handheld GPS .													33
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															65



TETRA TECH

Contractor: Downrite Drilling

Completion Depth: 9.2 m

Equipment Type: Max Sonic Drilling

Start Date: 2023 October 11

Logged By: FH

Completion Date: 2023 October 12

Reviewed By: AL

Page 2 of 2

Borehole No: AH23-04

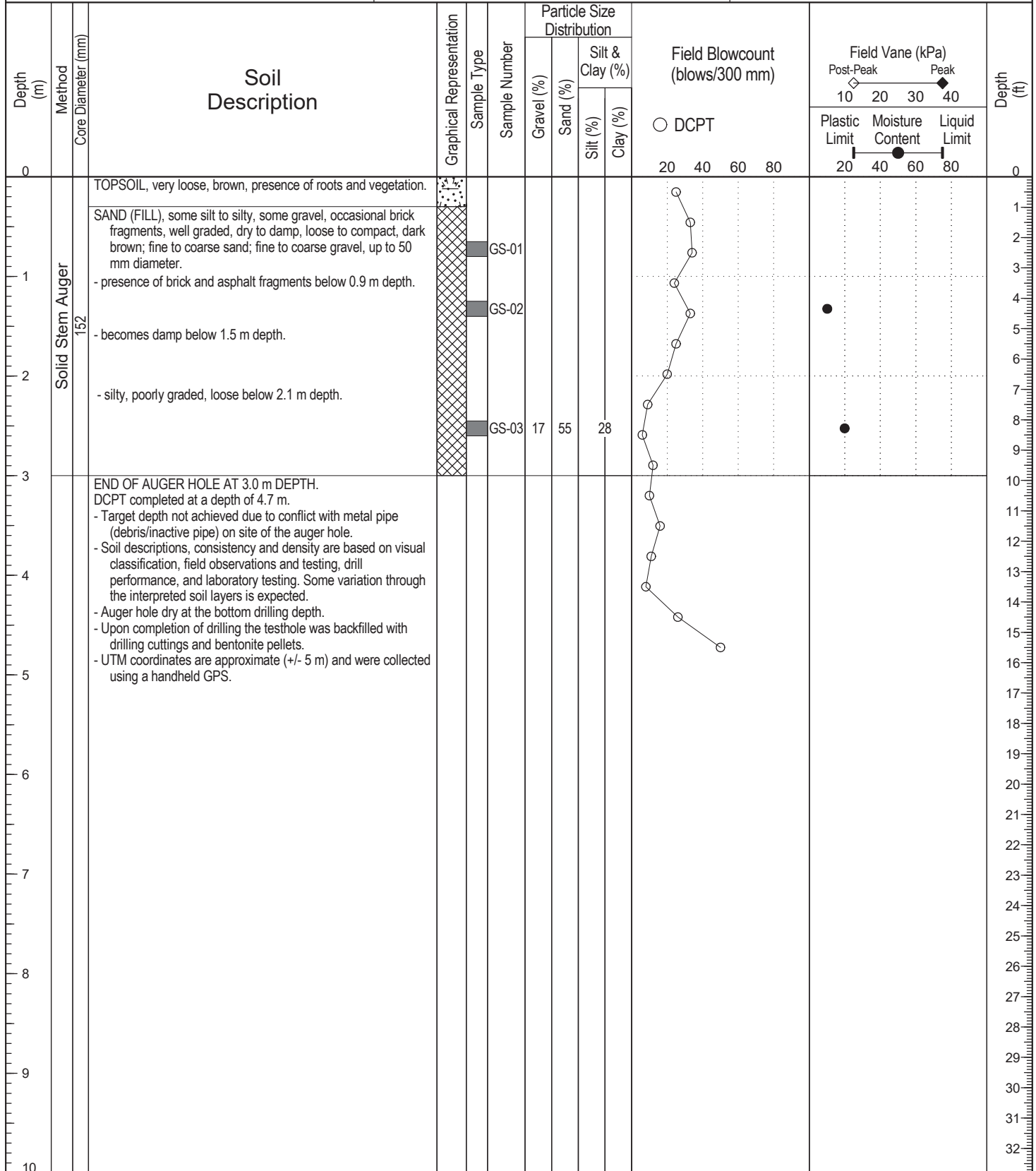
Project: VAC Geotechnical Engineering Services

Project No: 704-ENG.VGEO04430-01

Location: Beach Avenue & Burrad Street

Vancouver, BC

UTM: 490083 E; 5458316 N; Z



Borehole No: AH/MW23-05

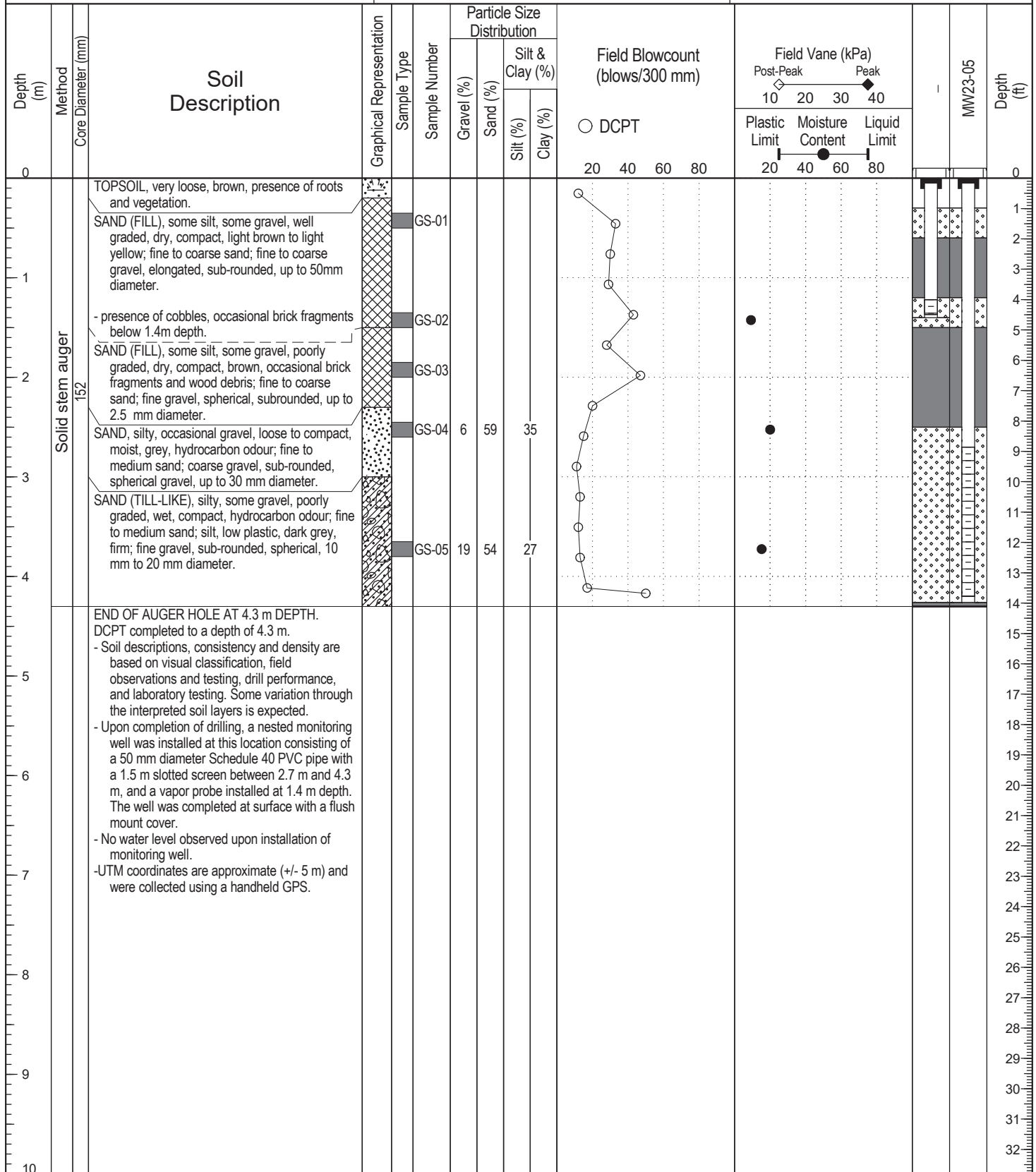
Project: VAC Geotechnical Engineering Services

Project No: 704-ENG.VGEO04430-01

Location: Beach Avenue & Burrard Street

Vancouver, BC

UTM: 490096 E; 5458251 N; Z



Borehole No: AH/MW23-06

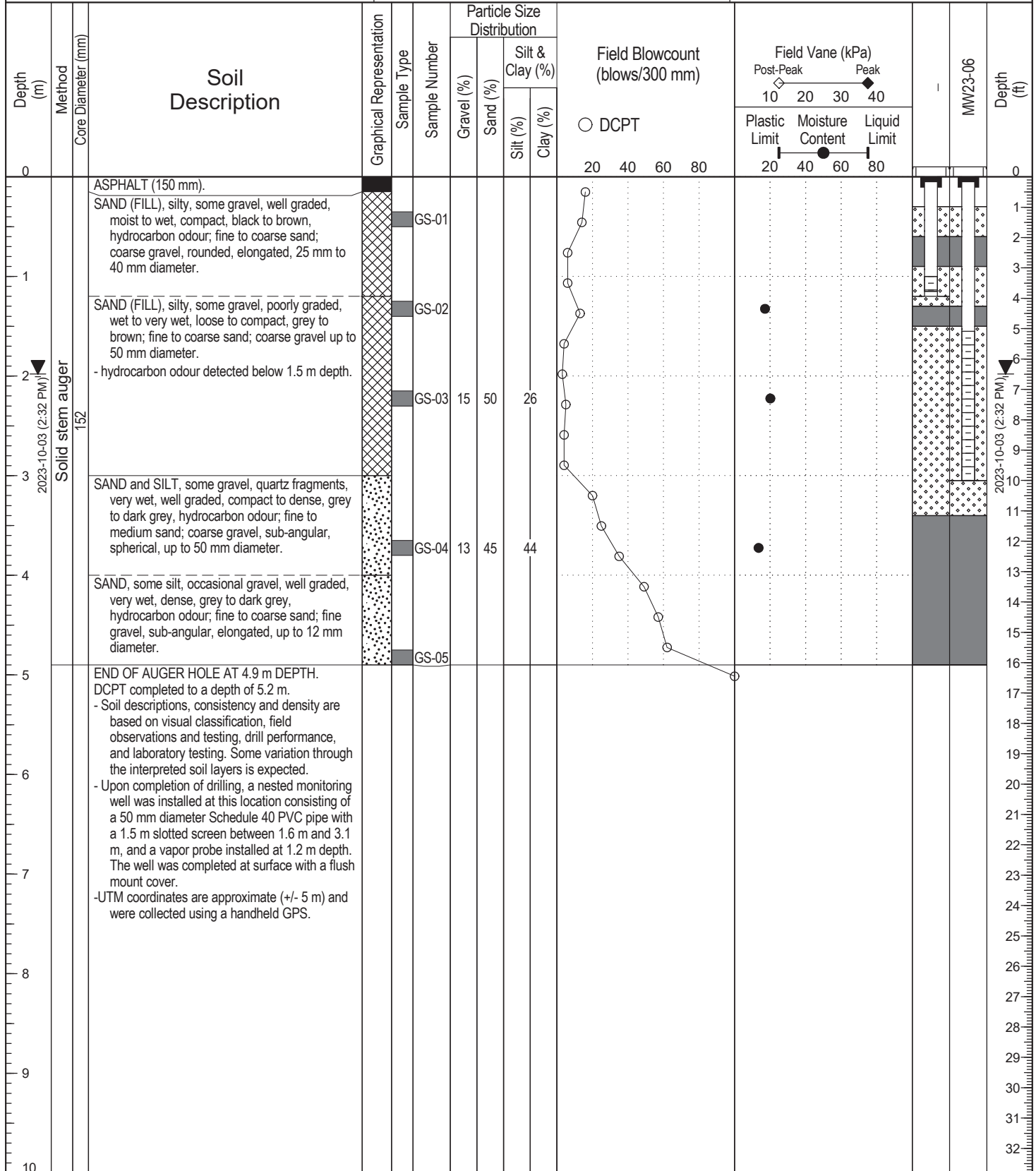
Project: VAC Geotechnical Engineering Services

Project No: 704-ENG.VGEO04430-01

Location: Beach Avenue & Burrard Street

Vancouver, BC

UTM: 490105 E; 5458217 N; Z



Borehole No: AH23-07

Project: VAC Geotechnical Engineering Services

Project No: 704-ENG.VGEO04430-01

Location: Beach Avenue & Burrard Street

Vancouver, BC

UTM: 490154 E; 5458192 N; Z

Depth (m)	Method	Core Diameter (mm)	Soil Description	Graphical Representation	Sample Type	Sample Number	Particle Size Distribution				Field Blowcount (blows/300 mm)	Field Vane (kPa)			Depth (ft)		
							Gravel (%)	Sand (%)	Silt & Clay (%)			Post-Peak	Peak	Plastic Limit		Moisture Content	Liquid Limit
									Silt (%)	Clay (%)							
0											○ DCPT				0		
	Solid stem auger	152	TOPSOIL, some sand, loose, dark brown, presence of roots and vegetation.			GS-01										1	
			SAND (FILL), some silt, occasional gravel, well graded, moist, compact to dense, brown; fine to coarse gravel, sub-rounded to sub-angular, up to 30 mm diameter.														
1																3	
			END OF AUGER HOLE AT 1.2 m DEPTH DCPT completed to a depth of 4.7 m. - Target depth not achieved due to presence of cobbles at 1.2 m depth. - Auger hole dry at the bottom drilling depth. -UTM coordinates are approximate (+/- 5 m) and were collected using a handheld GPS.													4	
2																6	
																7	
																8	
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3																10	
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4																13	
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Borehole No: AH23-08

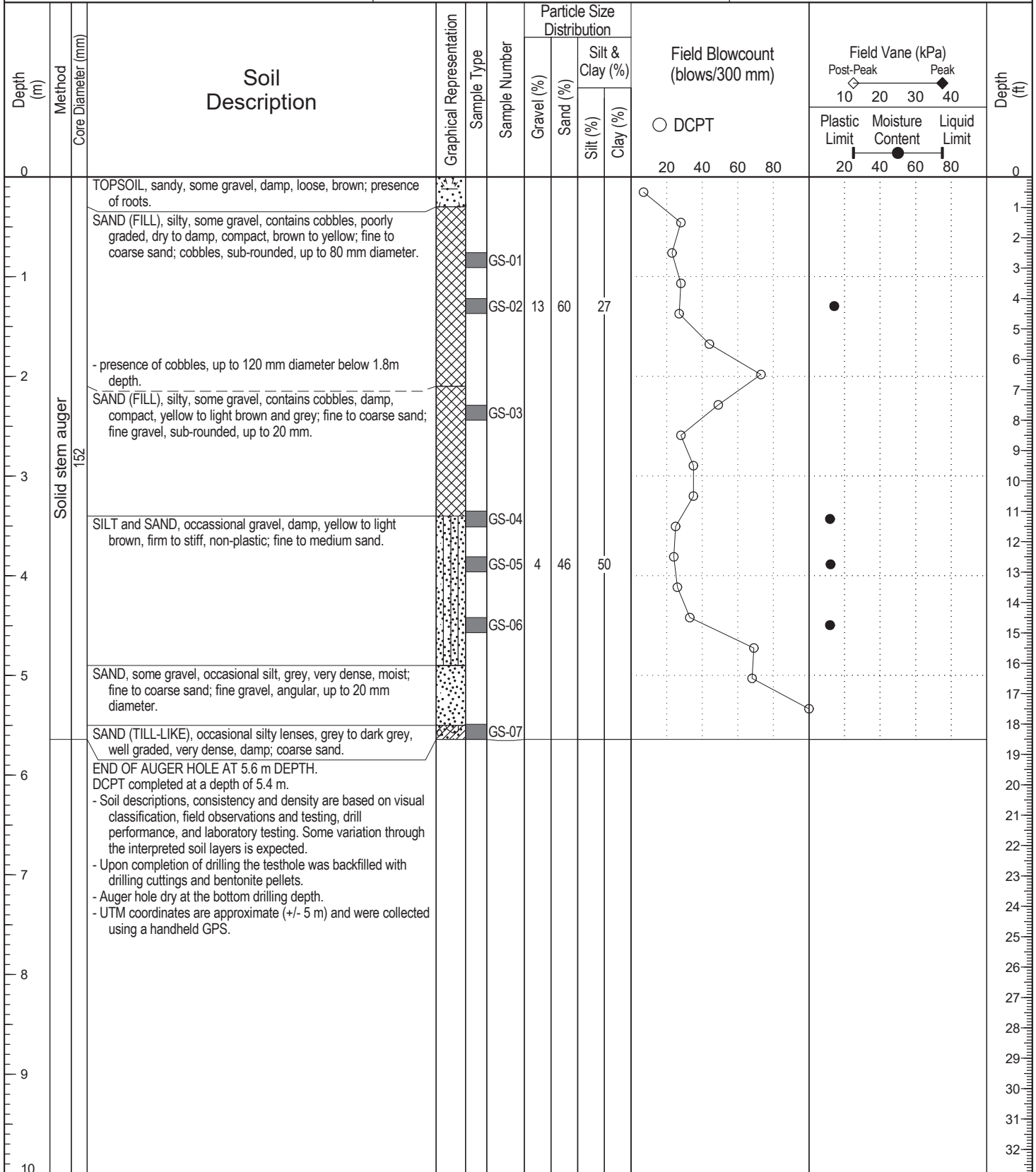
Project: VAC Geotechnical Engineering Services

Project No: 704-ENG.VGEO04430-01

Location: Beach Avenue & Burrad Street

Vancouver, BC

UTM: 490206 E; 5458167 N; Z



Borehole No: AH23-09

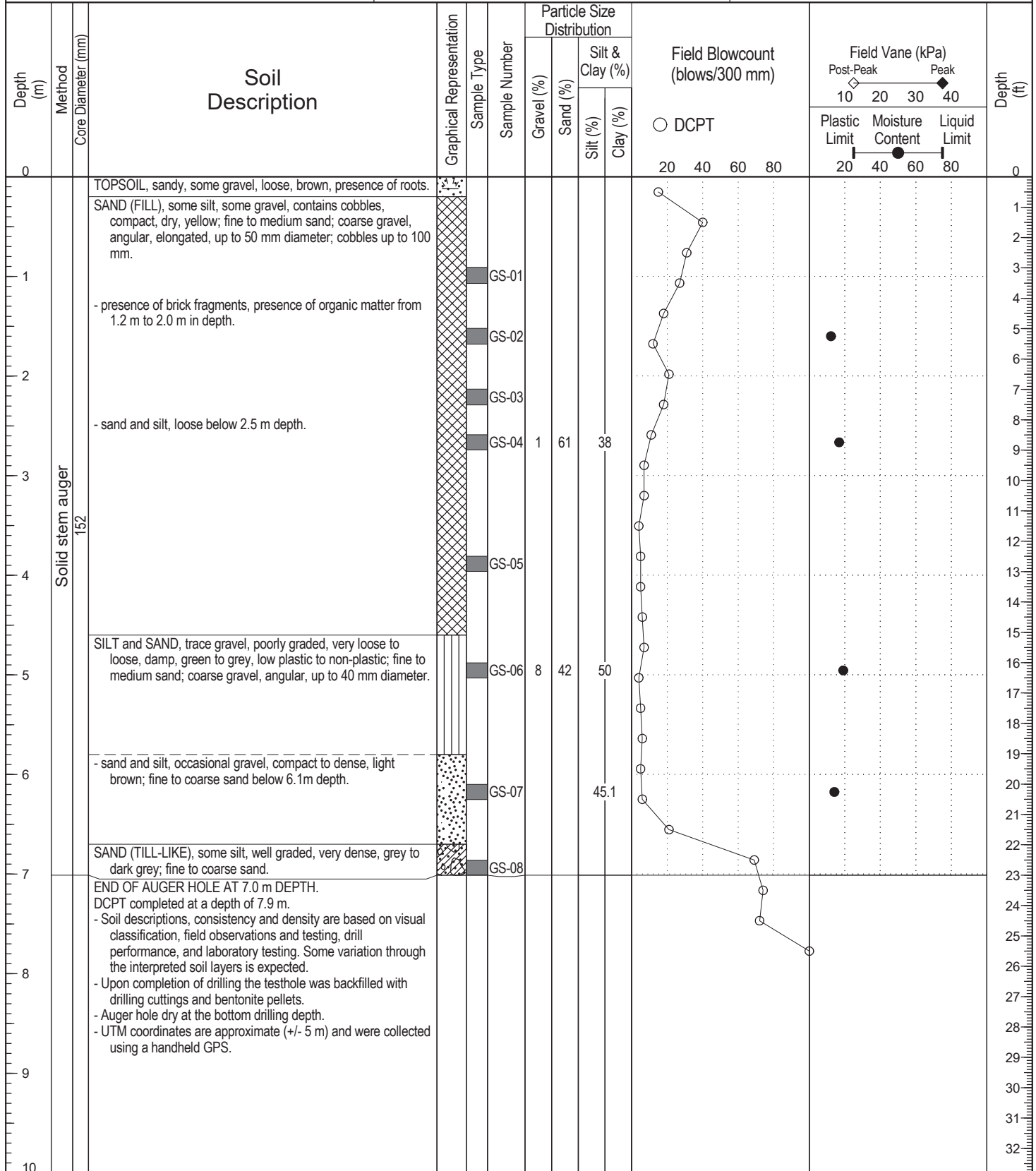
Project: VAC Geotechnical Engineering Services

Project No: 704-ENG.VGEO04430-01

Location: Beach Avenue & Burrad Street

Vancouver, BC

UTM: 490096 E; 5458370 N; Z



Borehole No: AH/MW23-10

Project: VAC Geotechnical Engineering Services

Project No: 704-ENG.VGEO04430-01

Location: Beach Avenue & Burrad Street

Vancouver, BC

UTM: 490128 E; 5458270 N; Z

