

LOG OF BORING: BH-02 GEO-QAQC

EASTING: -80.4921 m

NORTHING: 43.4516 m

VALIDATION STATUS: FAILED - 2 Errors / 2 Warnings

PROJECT: Validation QA and QC Examples

PROJECT NO.: Validation QA and QC Examples

COMPLETENESS: 83%

DATE: 2026-08-05

SURFACE ELEVATION: 326.4

CONFIDENCE: 63%

QA/QC STATE: In Progress - Review Required

Depth (m)	Water	Symbol	Lithology / Description	Sample	Type	SPT N	Recovery	USCS	Moisture Content	Dry Density	Shear Strength	Validation
									20 40 60 80 %	kg/m3 14001600180020002200	kPa 50 100150200250	
0.0			Ground Surface									
0.5			Sand and gravel FILL with trace brick fragments; moist.									
1.0			Fill Dark Brown Fine pores Loose Not Perceptible	SS-1	SS	4,6,8	65	SM				
1.5			Brown silty SAND, trace gravel; moist to wet.									
2.0			Silty Sand Brown Fine pores Loose to Compact Not Perceptible	SS-2	SS	6,8,10	72					
3.0												
4.0				SS-3	SS	8,10,12	76					INFO: Sand highly saturated
5.0			Grey silty CLAY of low plasticity; moist to wet.					CL				
5.5			Clay Grey Fine pores Soft to Firm Not Perceptible	ST-1	ST		98					WARNING: Soft clay with unusually high sample recovery.
6.0												
7.0				SS-4	SS	2,3,4	70					
8.0												
8.5				SS-5	SS	15,27,18	74					INFO: Water content exceeds liquid limit
9.0				SS-6	SS	20,28,30	82					WARNING: Refusal recorded in soft soil
9.5												
10.0												

Validation Summary: 2 errors, 2 warnings - deliberate geotechnical QA/QC exceptions.

Water Observations: Water strike 6.2 m; stabilized water level 6.8 m.

Notes: Focused geotechnical QA/QC example for validation demonstration and training.

Reviewed By: Pending

Approved By: Pending

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									% 20 40 60 80	kg/m3 14001600180020002200	kPa 50 100150200250	
11.0			Grey-brown silty SAND with gravel; dense. Silty Sand Grey Brown Fine pores Dense Not Perceptible					CL				ERROR: Intervals must not have gaps
				SS-7	SS	12,18,22	48	SM				
12.0												
				SS-8	SS	18,24,32	80					
13.0												
				SS-9	SS	24,30,34	85					
14.0												
15.0			Coarse Sand Glacial Till Brown Grey Fine pores Very Dense Not Perceptible					ML				
				SS-10	SS	30,40,50	88					
16.0												
				SS-11	SS	50,50,50	90					
17.0												ERROR: No interval exceeds borehole depth
18.0			End of Borehole									
19.0												
20.0												

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