

Test according A.S.T.M. Standard D 5778-12

Project : **Site Investigations**

Location: **King Rd - Wellington**

Position: **0, 0 RD**

Date : **12-12-2017**

Cone no. : **C10CFIP.C13082**

Project no. : **03TT01**

CPT no. : **02**

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← Depth in m to reference level ()

— Dynamic pore pressure (u2) in MPa —→

-0.1 0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3

G.L. : 0.00 m

0.16 m Predrilled

2.6

2.7

3.0

Tip

Hole Collapsed Dry At 1.0m

0.00 0.20 0.40 0.60 0.80 1.00 1.20
--- Equilibrium pore pressure (u0) in MPa —→

☒ Inclination (I) in degr



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← Depth in m to reference level ()

— Corrected cone resistance (qt) in MPa —→

2 4 6 8 10 12 14 16 18 20 22 24 26 28 30

G.L. : 0.00 m

0.16 m Predrilled

Tip

Hole Collapsed Dry At 1.0m

150 cm²
10 cm²



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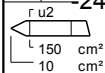
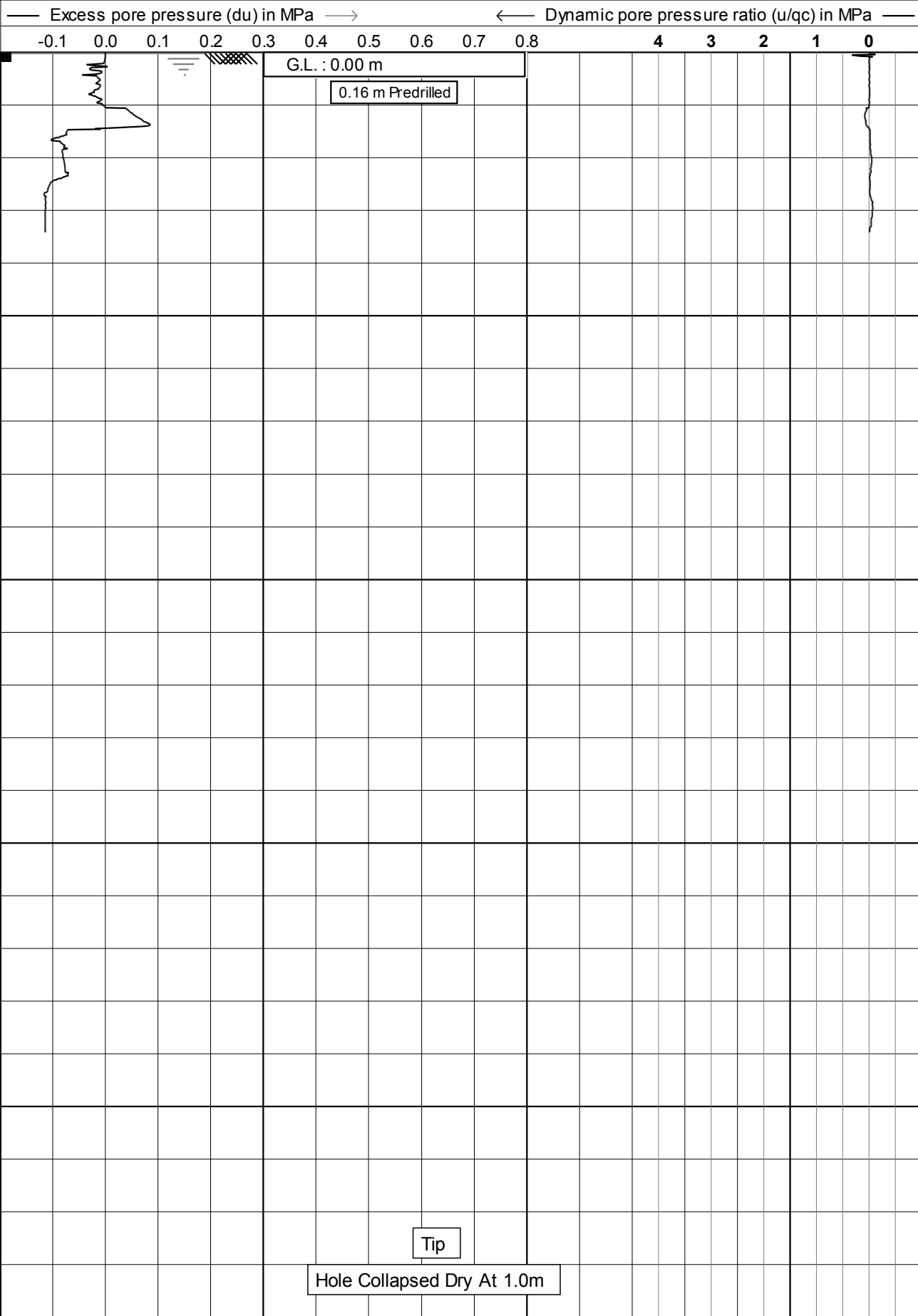
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← Depth in m to reference level ()



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← Depth in m to reference level ()

— Effective cone resistance (q_e) in MPa —→

2 4 6 8 10 12 14 16 18 20 22 24 26 28 30

G.L. : 0.00 m

0.16 m Predrilled

Tip

Hole Collapsed Dry At 1.0m

150 cm²
10 cm²



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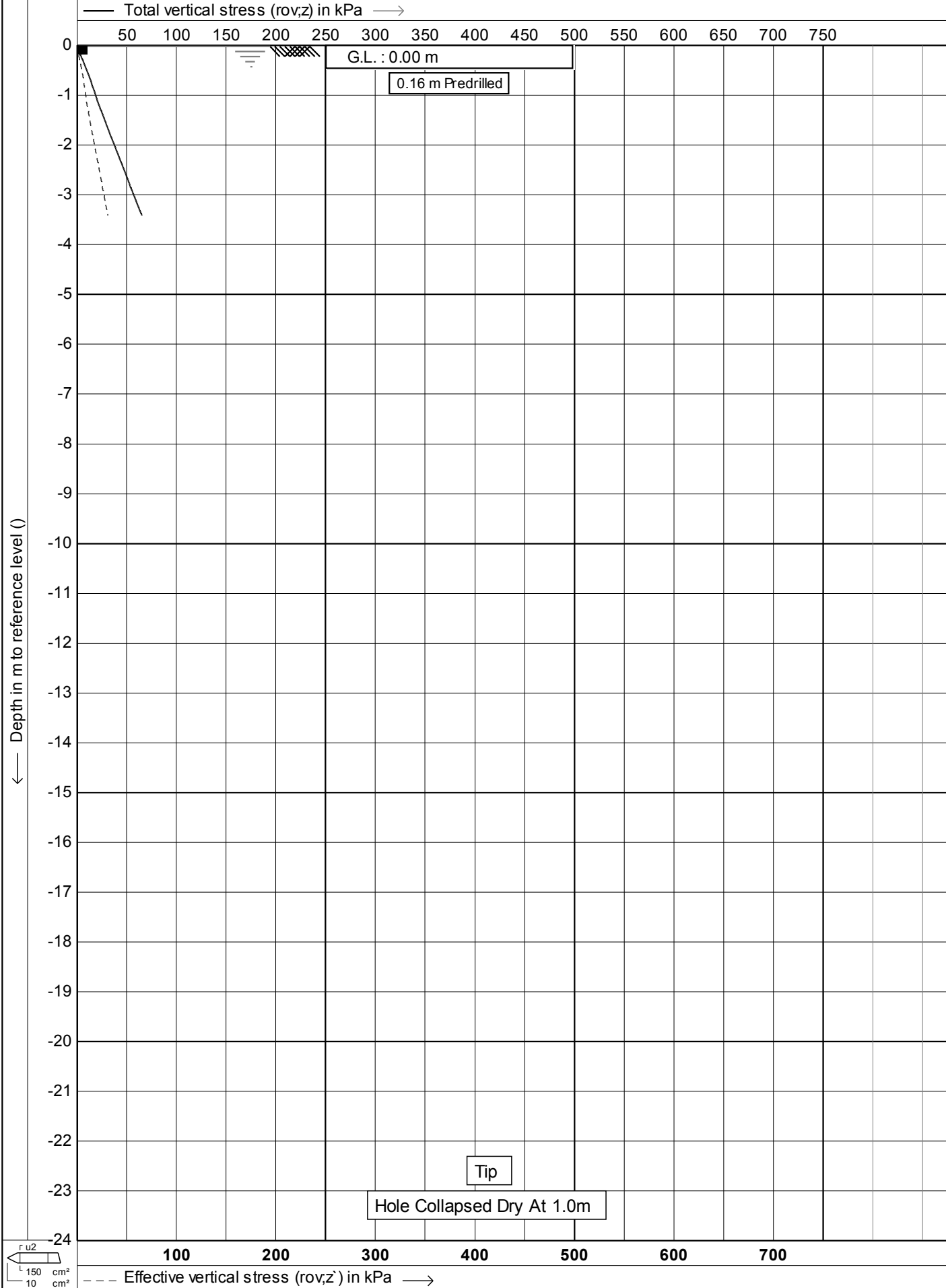
Date : **12-12-2017**

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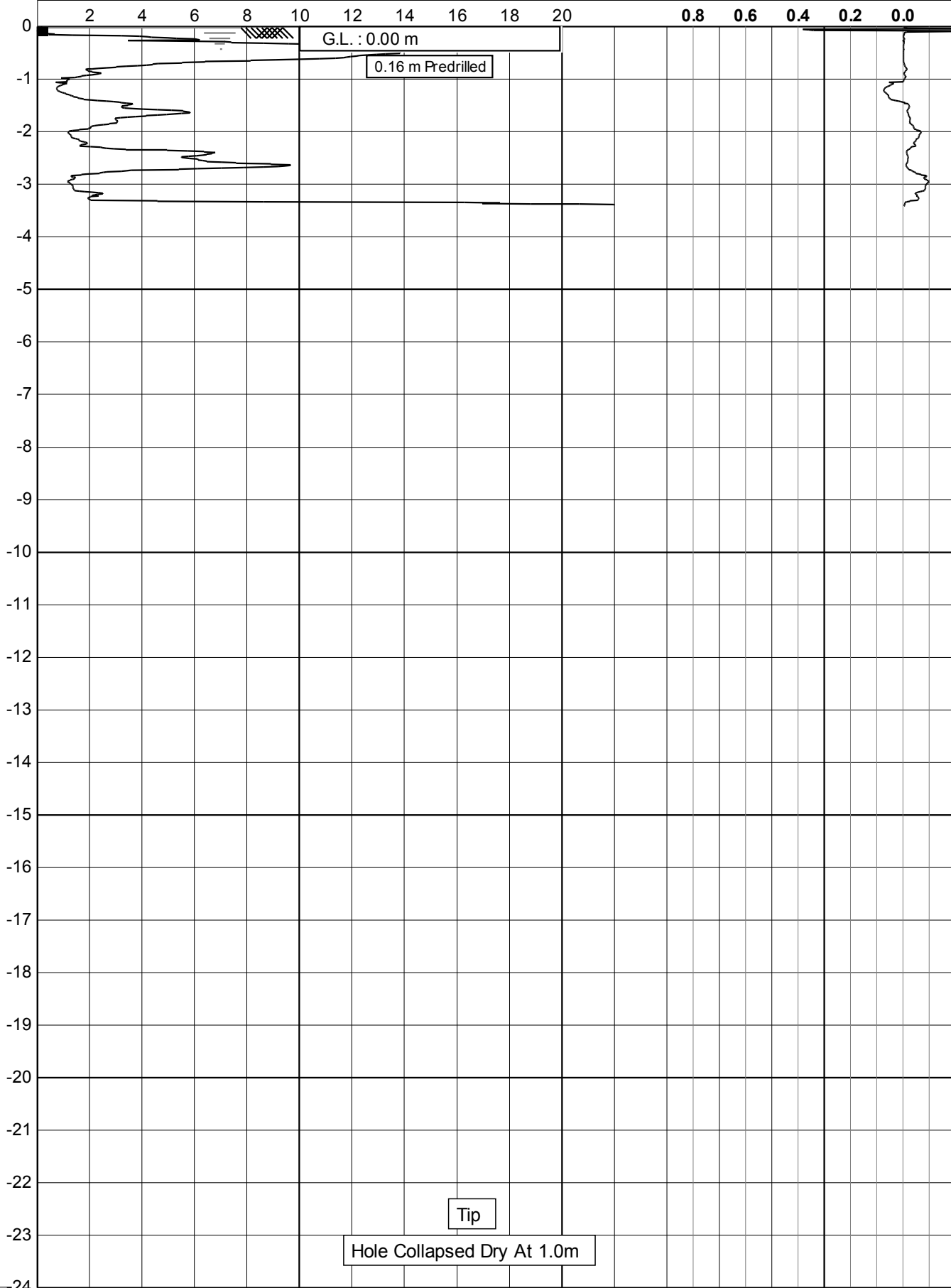
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← Depth in m to reference level ()

— Net cone resistance (qn) in MPa —→

← Pore pressure ratio (Bq) —



150 cm²
10 cm²



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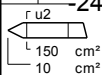
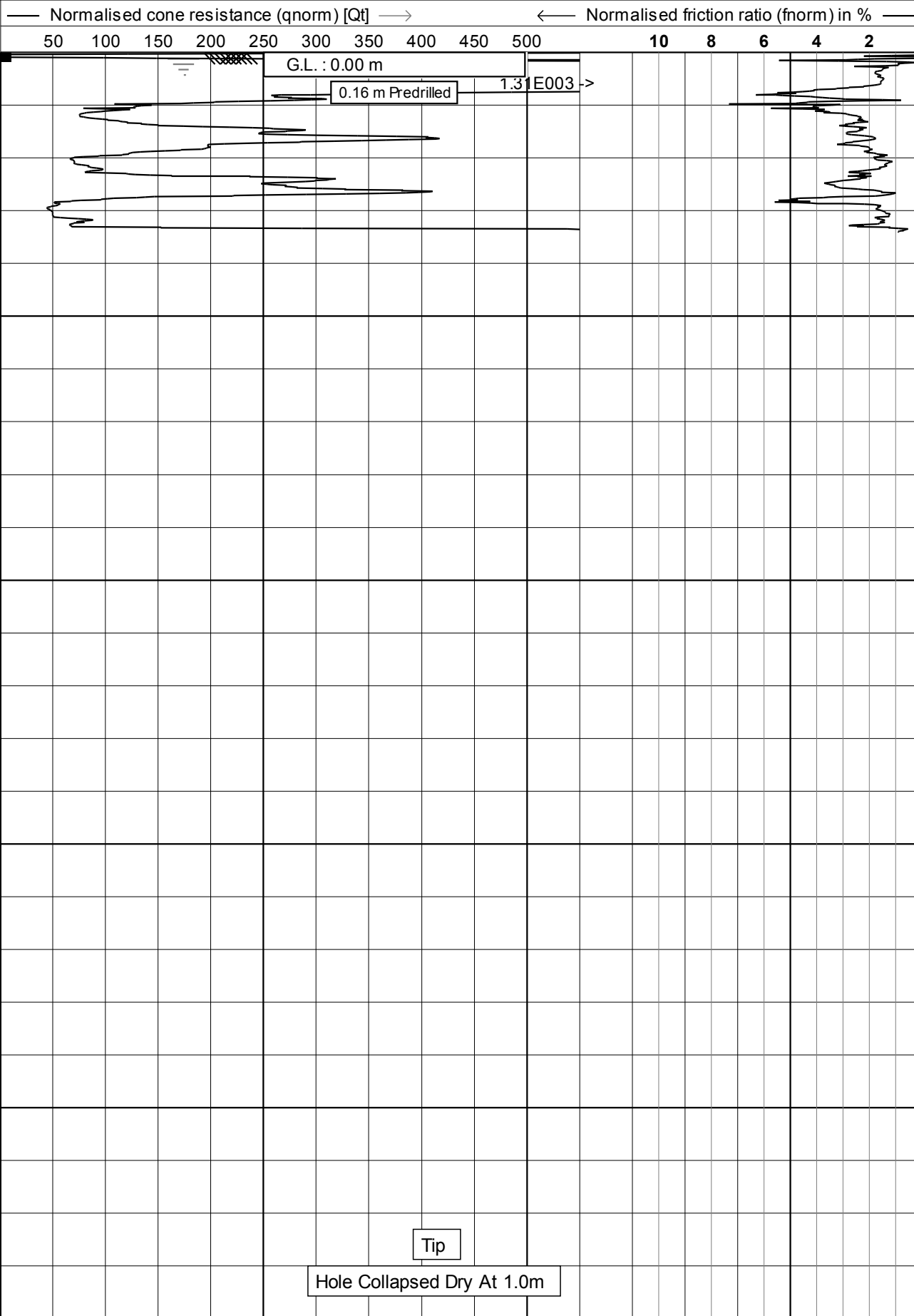
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← Depth in m to reference level ()



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← Depth in m to reference level ()

— Soil behaviour type index (Ic) —→

0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5 7.0 7.5

G.L. : 0.00 m

0.16 m Predrilled

(2) Organic soils
(3) Clay
(4) Silt mixtures
(5) Sand mixtures
(6) Sand clean to silty
(7) Gravelly sand

150 cm²
10 cm²

7

6

5

4

3

2



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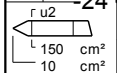
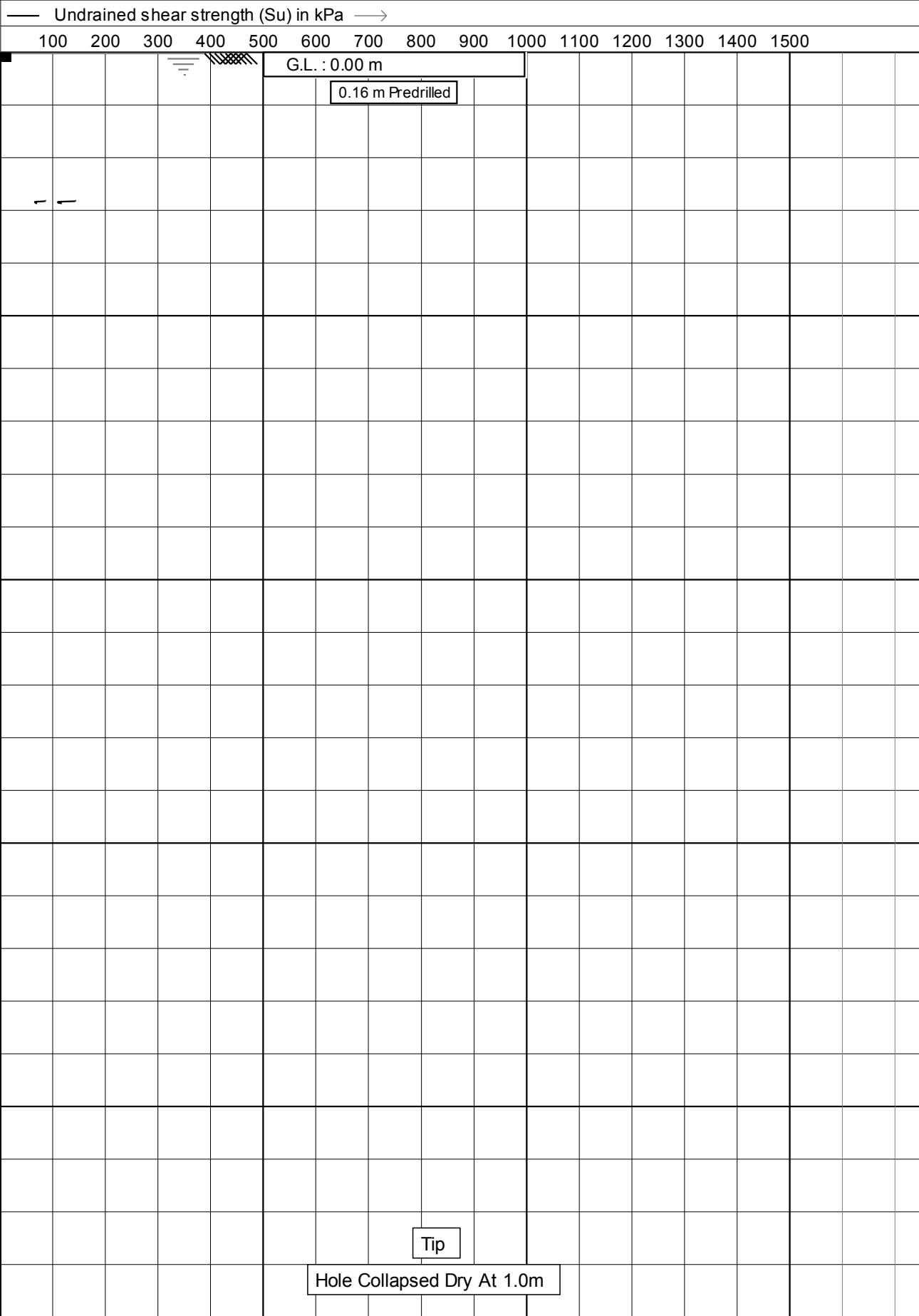
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← Depth in m to reference level ()



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← Depth in m to reference level ()

— Relative density (consolidated) in % —→

10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

G.L. : 0.00 m

0.16 m Predrilled

150 cm²
10 cm²

--- Relative density (over-consolidated) in % ---→

20

40

60

80

100

120

140



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← Depth in m to reference level ()

— Equivalent SPT N60 Value —→

5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

G.L. : 0.00 m

0.16 m Predrilled

Tip

Hole Collapsed Dry At 1.0m

150 cm²
10 cm²



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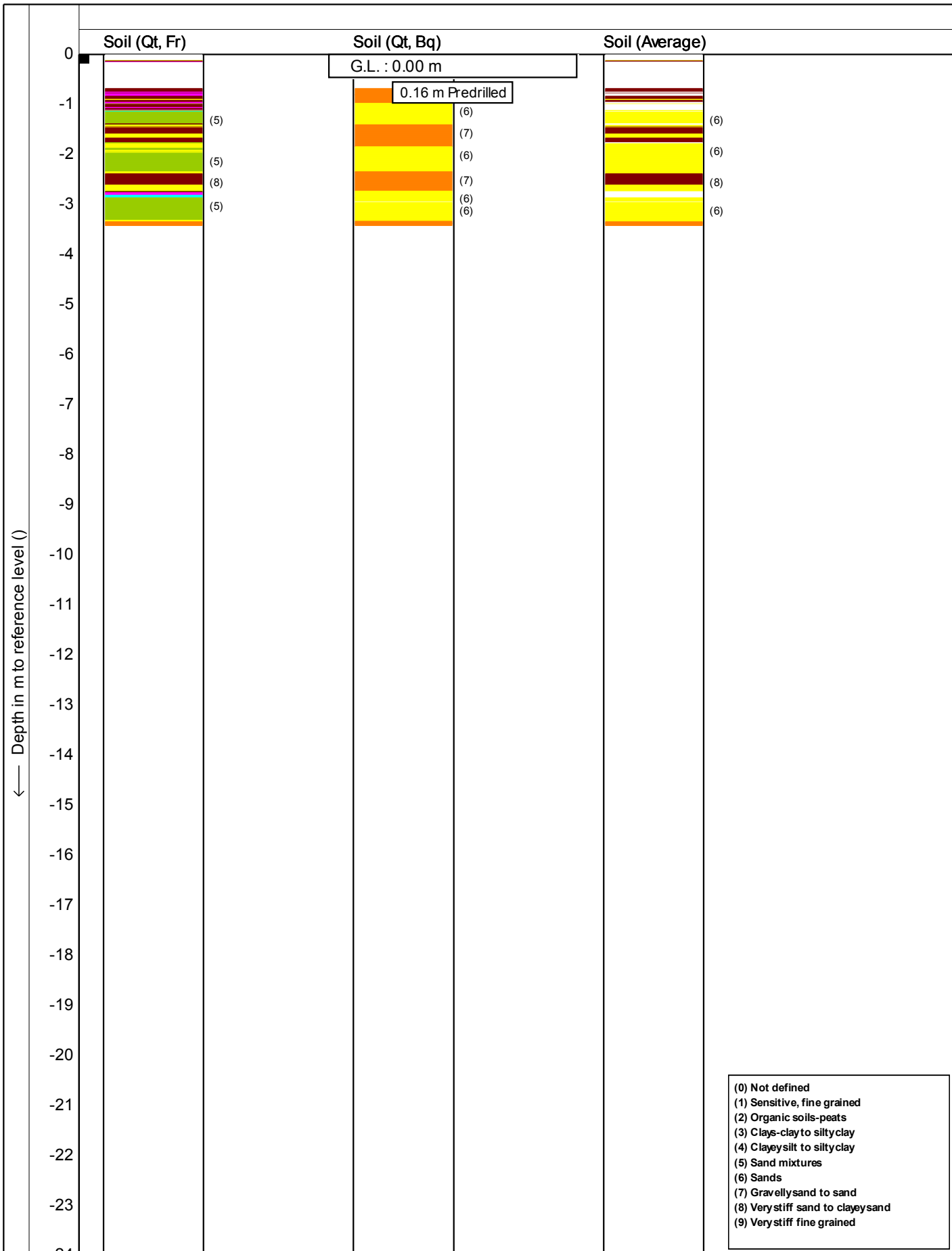
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Depth in m to reference level ()



- (0) Not defined
- (1) Sensitive, fine grained
- (2) Organic soils-peats
- (3) Clays-clay to silty clay
- (4) Clayey silt to silty clay
- (5) Sand mixtures
- (6) Sands
- (7) Gravely sand to sand
- (8) Very stiff sand to clayey sand
- (9) Very stiff fine grained

Soil behaviour type classification after Robertson 1990

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← Depth in m to reference level ()

— Internal friction angle in degrees —→

5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

G.L. : 0.00 m

0.16 m Predrilled

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150 cm²
10 cm²



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