

← Depth in m to reference level ()

— Dynamic pore pressure (u_2) 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

0
-1
-2
-3
-4
-5
-6
-7
-8
-9
-10
-11
-12
-13
-14
-15
-16
-17
-18
-19
-20
-21
-22
-23
-24

G.L. : 0.00 m

1.40 m Predrilled

0.9

3.2

Refusal (qc)

Hole collapsed dry at 0.1

0.00

0.20

0.40

0.60

0.80

1.00

1.20

$\frac{r}{L}$ $\frac{u_2}{150}$ $\frac{cm^2}{cm^2}$
10

--- Equilibrium pore pressure (u_0) in MPa →

☒ Inclination (I) in degr



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

Project : **Site Investigation**

Location: **Paterson St - Wellington**

Date : **30-1-2013**

Cone no. : **C10CFIP.F04**

Project no. : **02TT1**

CPT no. : **31**

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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

1.40 m Predrilled

Refusal (qc)

Hole collapsed dry at 0.1

150 cm²
10 cm²



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

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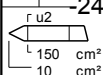
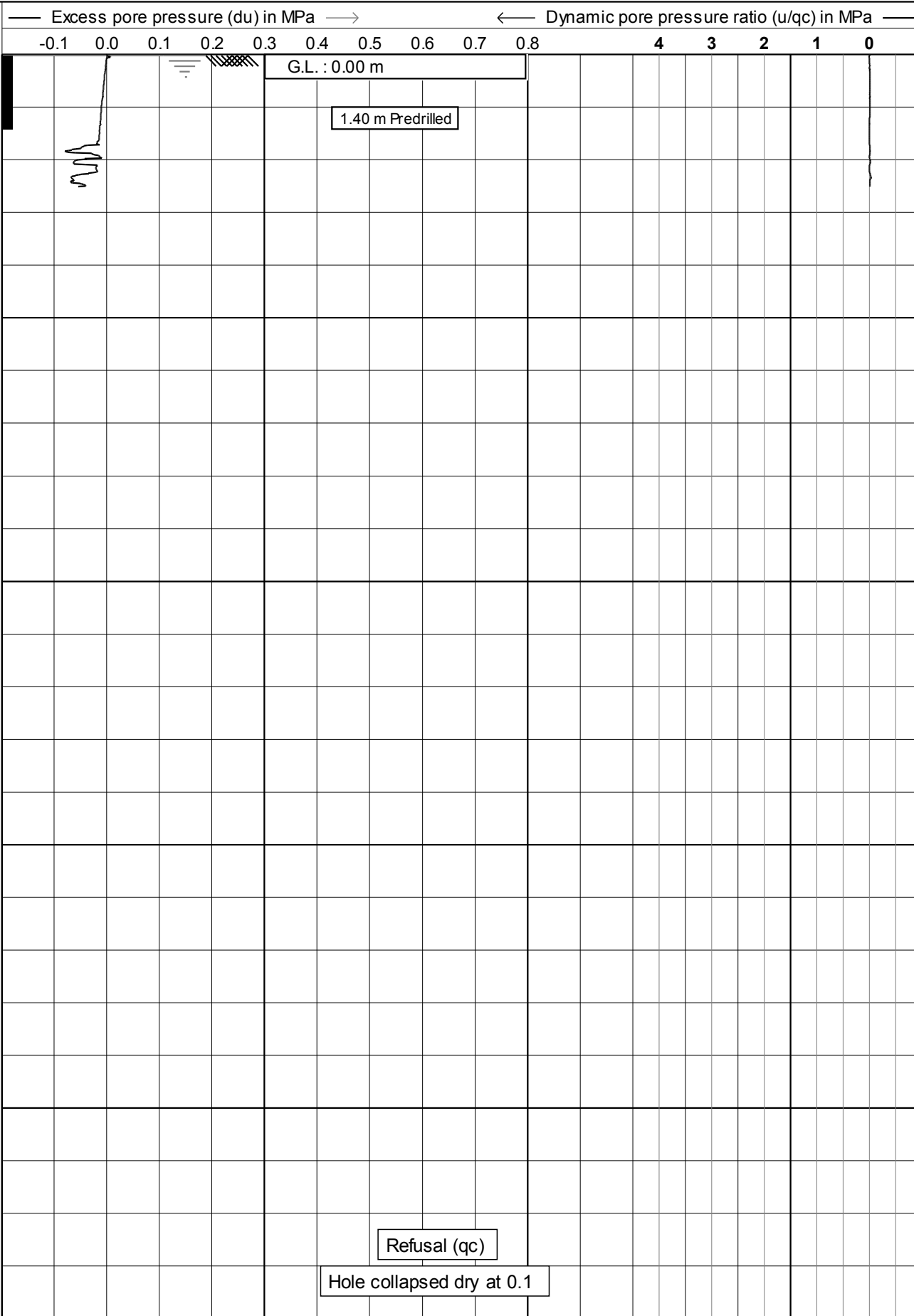
Cone no. : **C10CFIP.F04**

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← Depth in m to reference level ()



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← Depth in m to reference level ()

— Effective cone resistance (qc) in MPa —→

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

G.L. : 0.00 m

1.40 m Predrilled

Refusal (qc)

Hole collapsed dry at 0.1

150 cm²
10 cm²



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← Depth in m to reference level ()

— Total vertical stress (rov,z) in kPa →

50 100 150 200 250 300 350 400 450 500 550 600 650 700 750

G.L. : 0.00 m

1.40 m Predrilled

Refusal (qc)

Hole collapsed dry at 0.1

--- Effective vertical stress (rov,z') in kPa →

100

200

300

400

500

600

700



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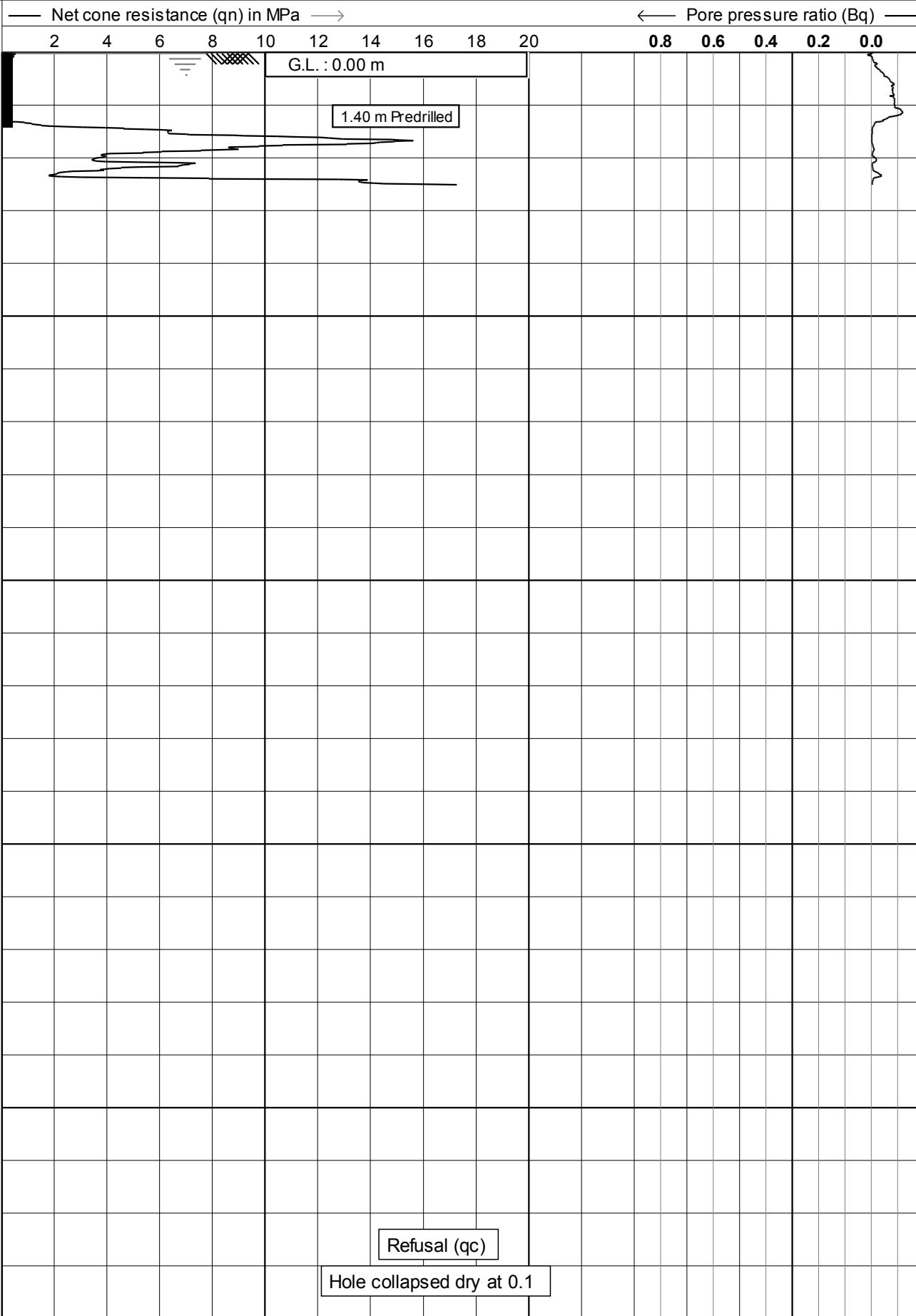
Cone no. : **C10CFIP.F04**

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CPT no. : **31**

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Depth in m to reference level ()

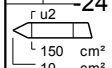
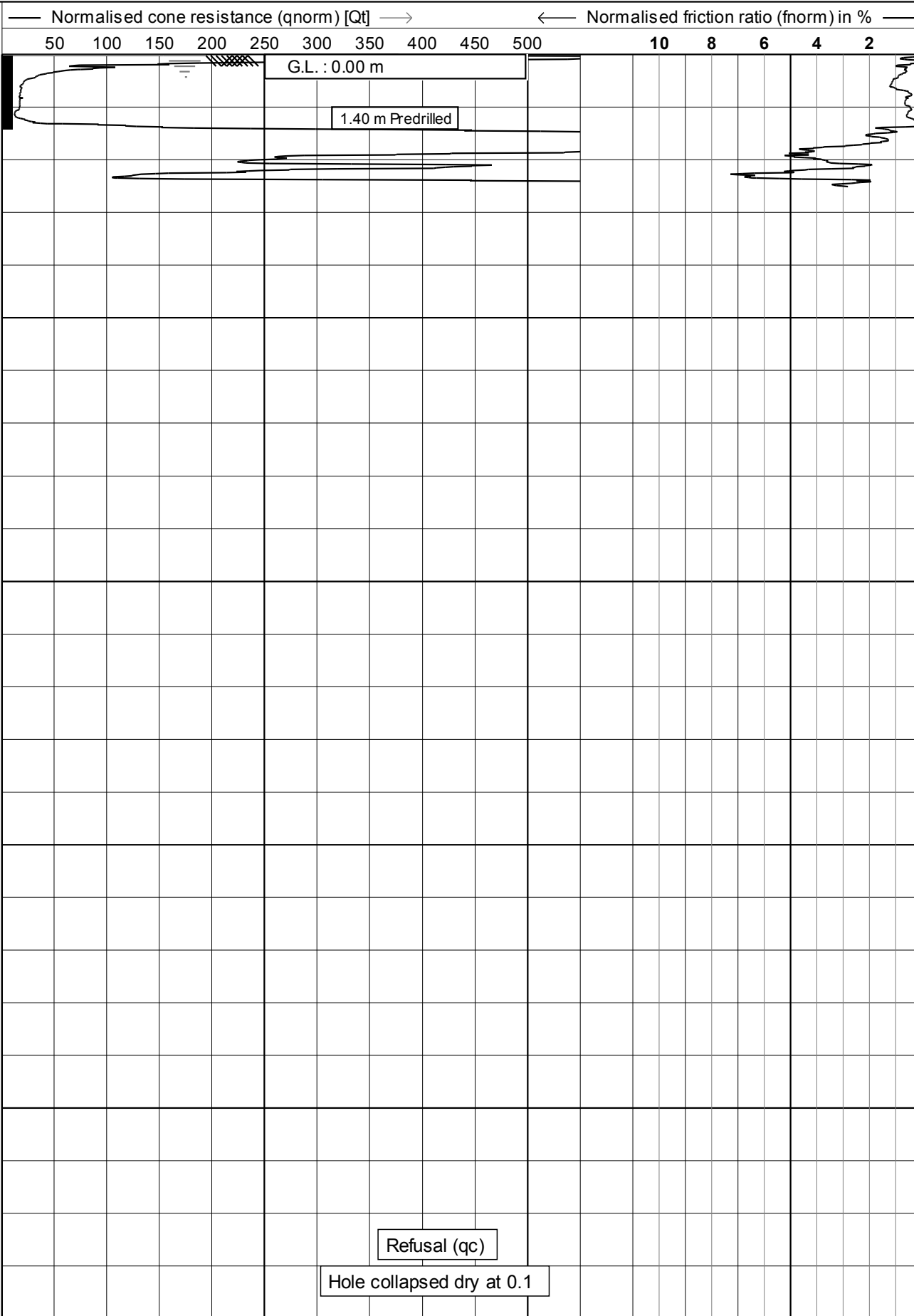


150 cm²
10 cm²



| | | |
|---|-------------------------------|-------------|
| Test according A.S.T.M Standard D 5778-12 Project : Site Investigation Location: Paterson St - Wellington | Date : 30-1-2013 | |
| | Cone no. : C10CFIP.F04 | |
| | Project no. : 02TT1 | |
| | CPT no. : 31 | 7/14 |

← Depth in m to reference level ()



| | | | |
|---|--|------------------------|------|
| Test according A.S.T.M Standard D 5778-12 | | Date : 30-1-2013 | |
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| Location: Paterson St - Wellington | | Project no. : 02TT1 | |
| | | CPT no. : 31 | 8/14 |

← 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

1.40 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



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

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← Depth in m to reference level ()

— Undrained shear strength (Su) in kPa —→

100 200 300 400 500 600 700 800 900 1000 1100 1200 1300 1400 1500

G.L. : 0.00 m

1.40 m Predrilled

Refusal (qc)

Hole collapsed dry at 0.1

150 cm²
10 cm²



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

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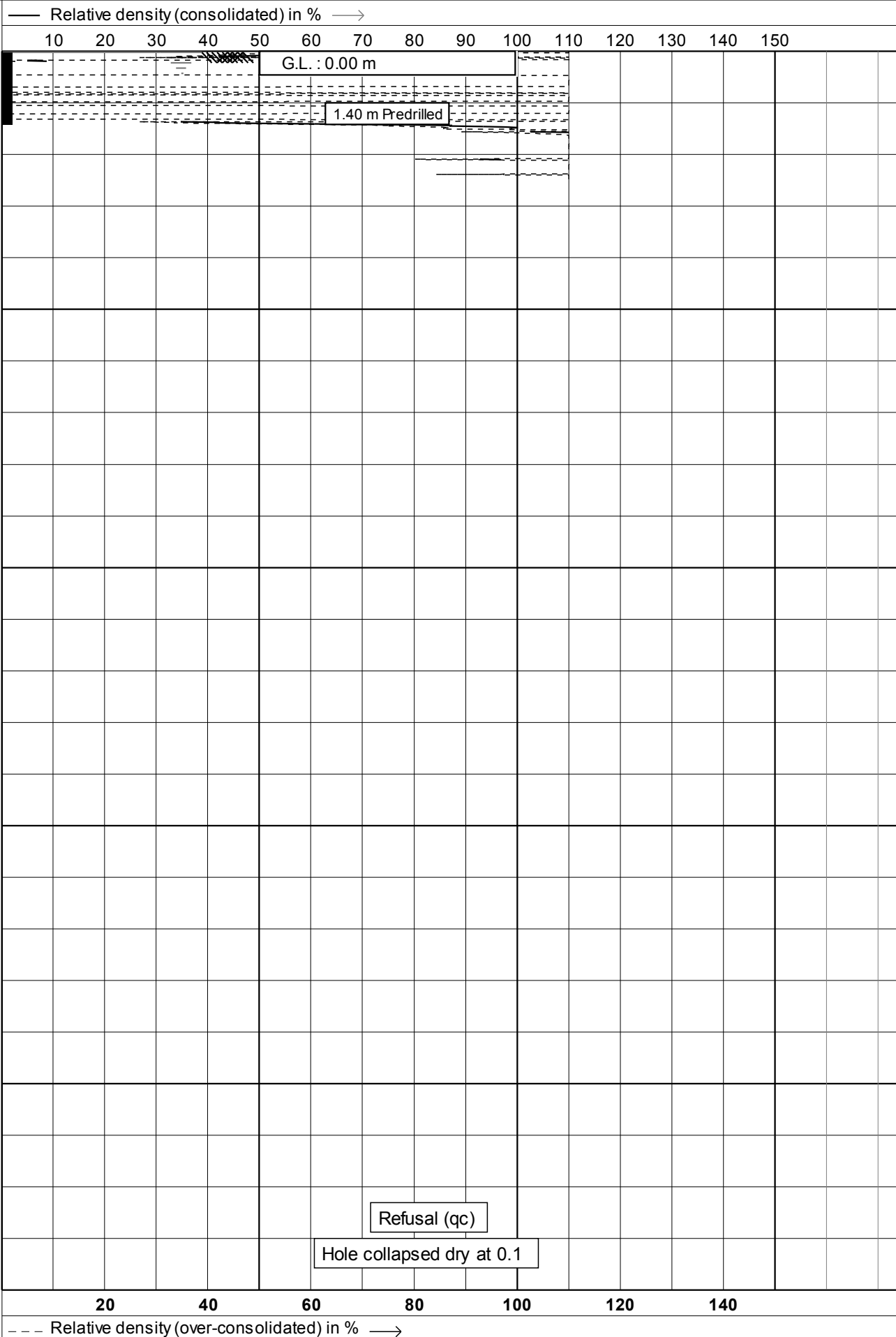
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← Depth in m to reference level ()



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

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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

1.40 m Predrilled

Refusal (qc)

Hole collapsed dry at 0.1

150 cm²
10 cm²



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

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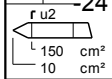
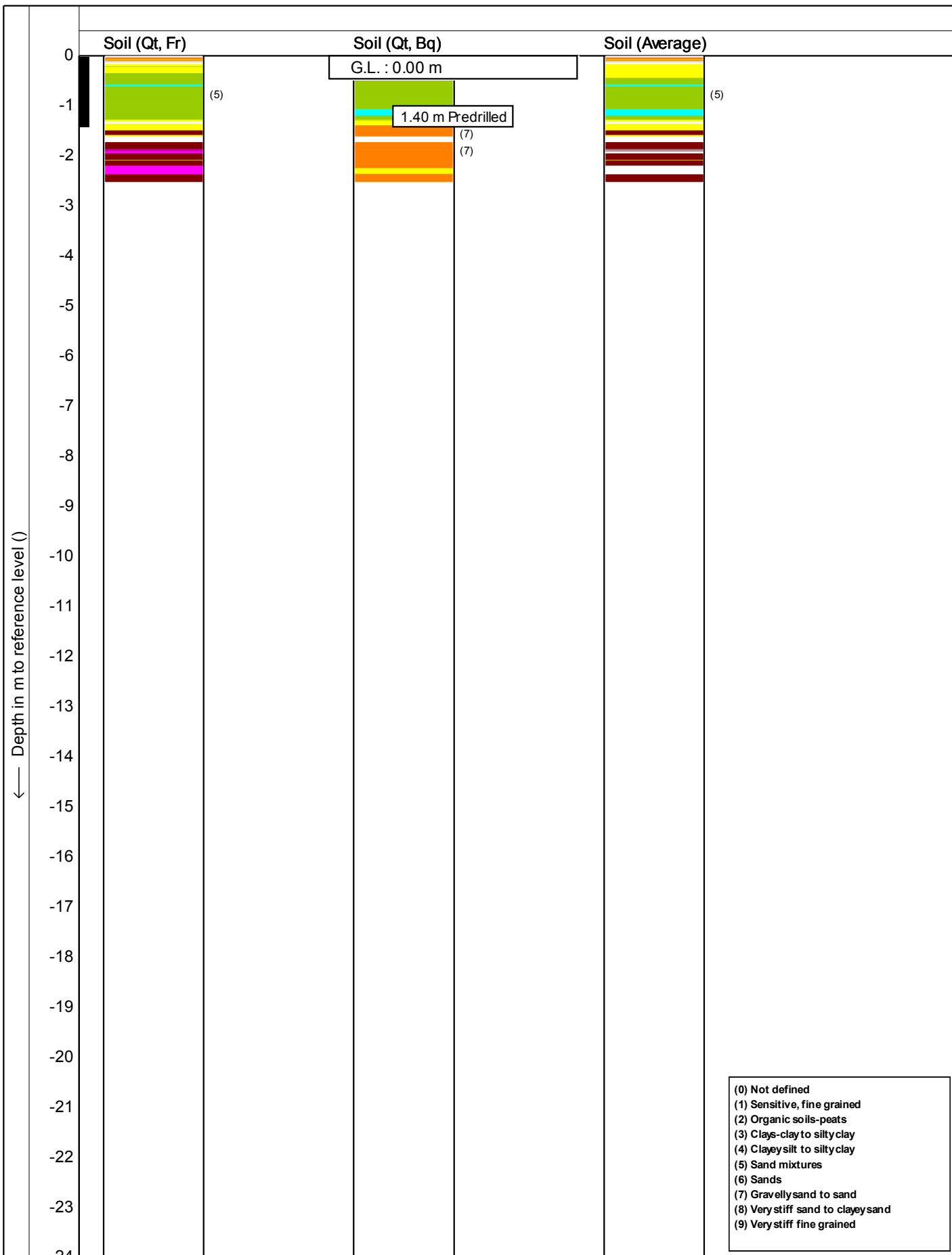
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← Depth in m to reference level ()



Soil behaviour type classification after Robertson 1990

| | | | | |
|--|---|--|------------------------|-------|
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| | Location: Paterson St - Wellington | | Project no. : 02TT1 | |
| | | | CPT no. : 31 | 13/14 |

← 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

0
-1
-2
-3
-4
-5
-6
-7
-8
-9
-10
-11
-12
-13
-14
-15
-16
-17
-18
-19
-20
-21
-22
-23
-24

G.L. : 0.00 m

1.40 m Predrilled

Refusal (qc)

Hole collapsed dry at 0.1

150 cm²
10 cm²



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