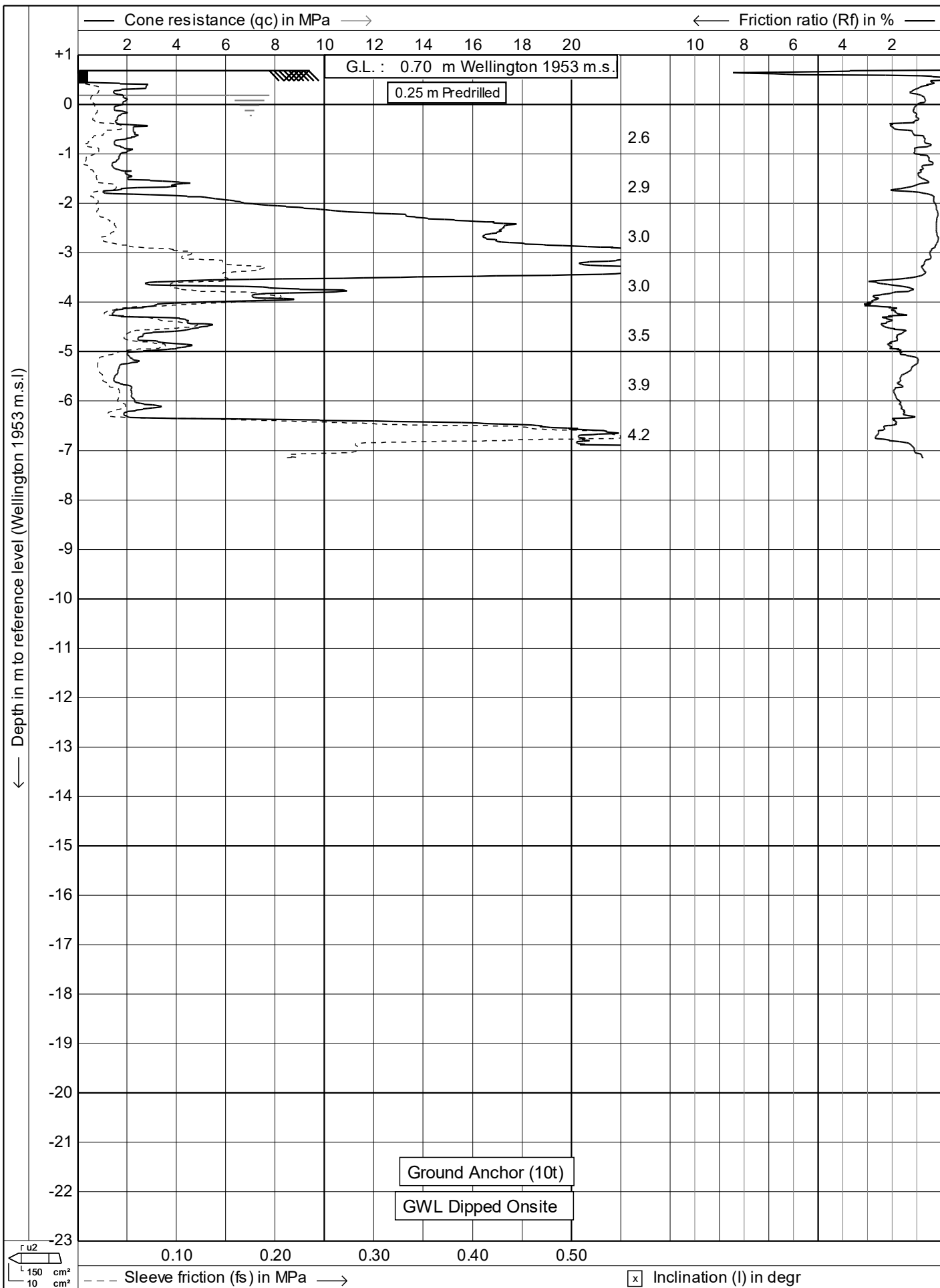


← Depth in m to reference level (Wellington 1953 m.s.)



← Depth in m to reference level (Wellington 1953 m.s.l)

— 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. : 0.70 m Wellington 1953 m.s.l

0.25 m Predrilled

1.8

2.6

2.9

3.0

3.0

3.5

3.9

4.2

Ground Anchor (10t)

GWL Dipped Onsite

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

☒ Inclination (I) in degr



Test according ASTM D5778-12

Project : Site Investigations

Location: Wellington Town Hall

Position: 1748846, 5427599 NZTM

Date : 20/03/2017

Cone no. : C10CFIP.C13082

Project no. : 04TT1

CPT no. : 301

2/14

← Depth in m to reference level (Wellington 1953 m.s.)

— Corrected cone resistance (qt) in MPa →

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

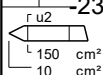
G.L. : 0.70 m Wellington 1953 m.s.

0.25 m Predrilled

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

Ground Anchor (10t)

GWL Dipped Onsite



Test according ASTM D5778-12

Project : Site Investigations

Location: Wellington Town Hall

Position: 1748846, 5427599 NZTM

Date : 20/03/2017

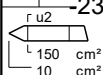
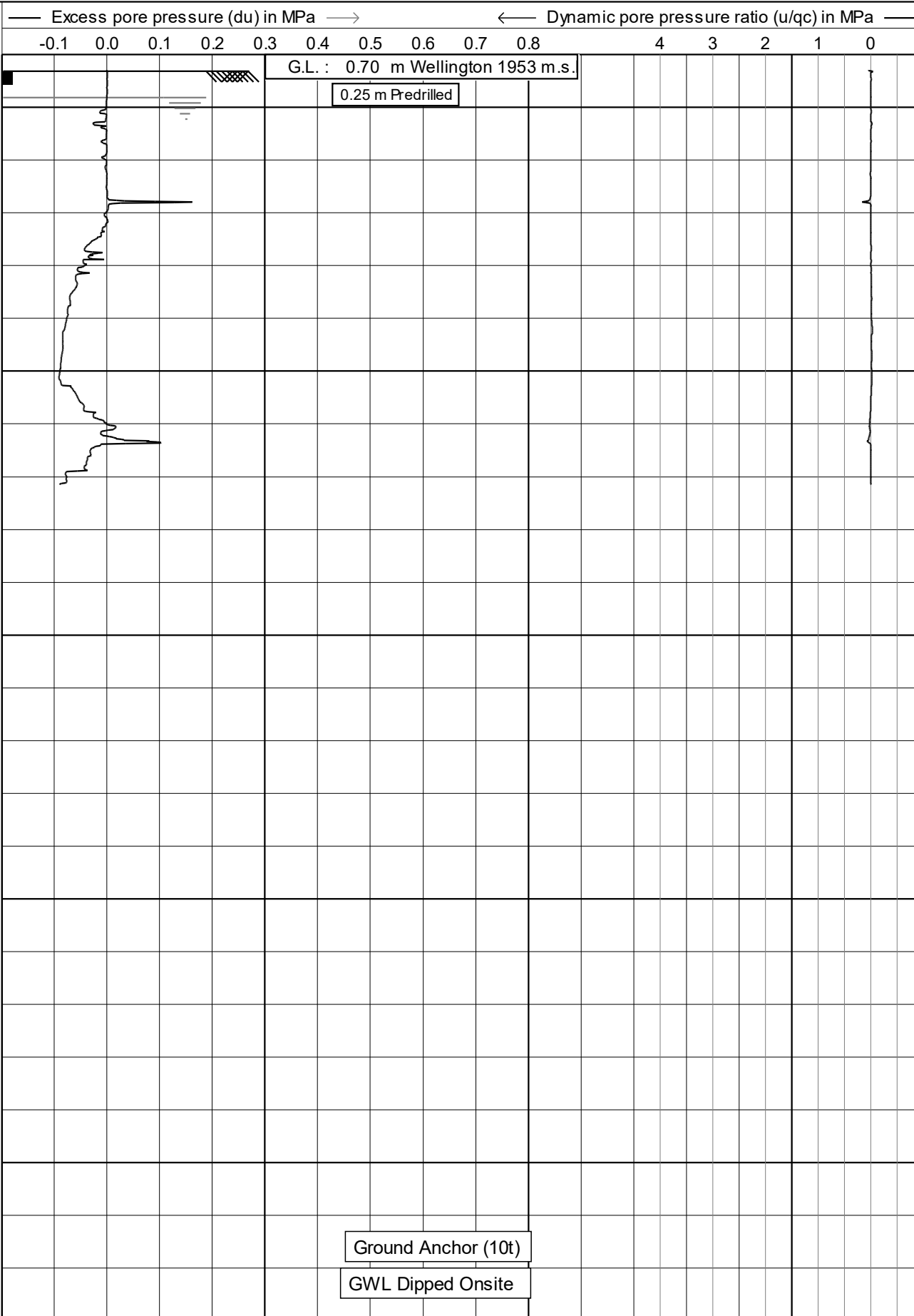
Cone no. : C10CFIP.C13082

Project no. : 04TT1

CPT no. : 301

3/14

← Depth in m to reference level (Wellington 1953 m.s.l)



Test according ASTM D5778-12

Project : **Site Investigations**

Location: **Wellington Town Hall**

Position: **1748846, 5427599 NZTM**

Date : **20/03/2017**

Cone no. : **C10CFIP.C13082**

Project no. : **04TT1**

CPT no. : **301**

4/14

← Depth in m to reference level (Wellington 1953 m.s.)

— Effective cone resistance (q_e) in MPa —→

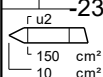
2 4 6 8 10 12 14 16 18 20 22 24 26 28 30

G.L. : 0.70 m Wellington 1953 m.s.

0.25 m Predrilled

Ground Anchor (10t)

GWL Dipped Onsite



Test according ASTM D5778-12

Project : **Site Investigations**

Location: **Wellington Town Hall**

Position: **1748846, 5427599 NZTM**

Date : **20/03/2017**

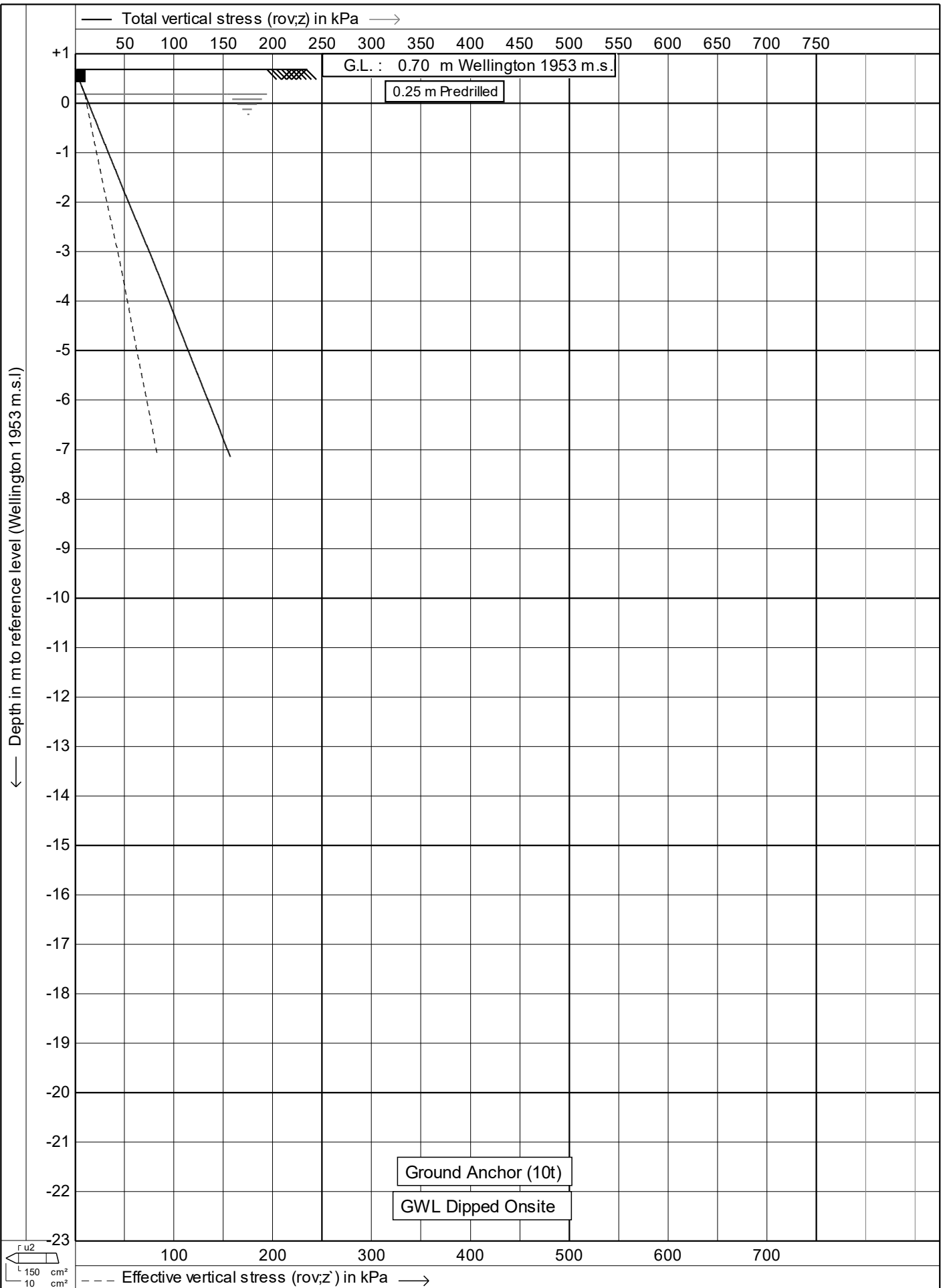
Cone no. : **C10CFIP.C13082**

Project no. : **04TT1**

CPT no. : **301**

5/14

← Depth in m to reference level (Wellington 1953 m.s.)



Test according ASTM D5778-12

Project : **Site Investigations**

Location: **Wellington Town Hall**

Position: **1748846, 5427599 NZTM**

Date : **20/03/2017**

Cone no. : **C10CFIP.C13082**

Project no. : **04TT1**

CPT no. : **301**

6/14

← Depth in m to reference level (Wellington 1953 m.s.)

— Net cone resistance (qn) in MPa —→

← Pore pressure ratio (Bq) —

2 4 6 8 10 12 14 16 18 20

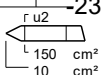
0.8 0.6 0.4 0.2 0.0

G.L. : 0.70 m Wellington 1953 m.s.

0.25 m Predrilled

Ground Anchor (10t)

GWL Dipped Onsite



Test according ASTM D5778-12

Project : Site Investigations

Location: Wellington Town Hall

Position: 1748846, 5427599 NZTM

Date : 20/03/2017

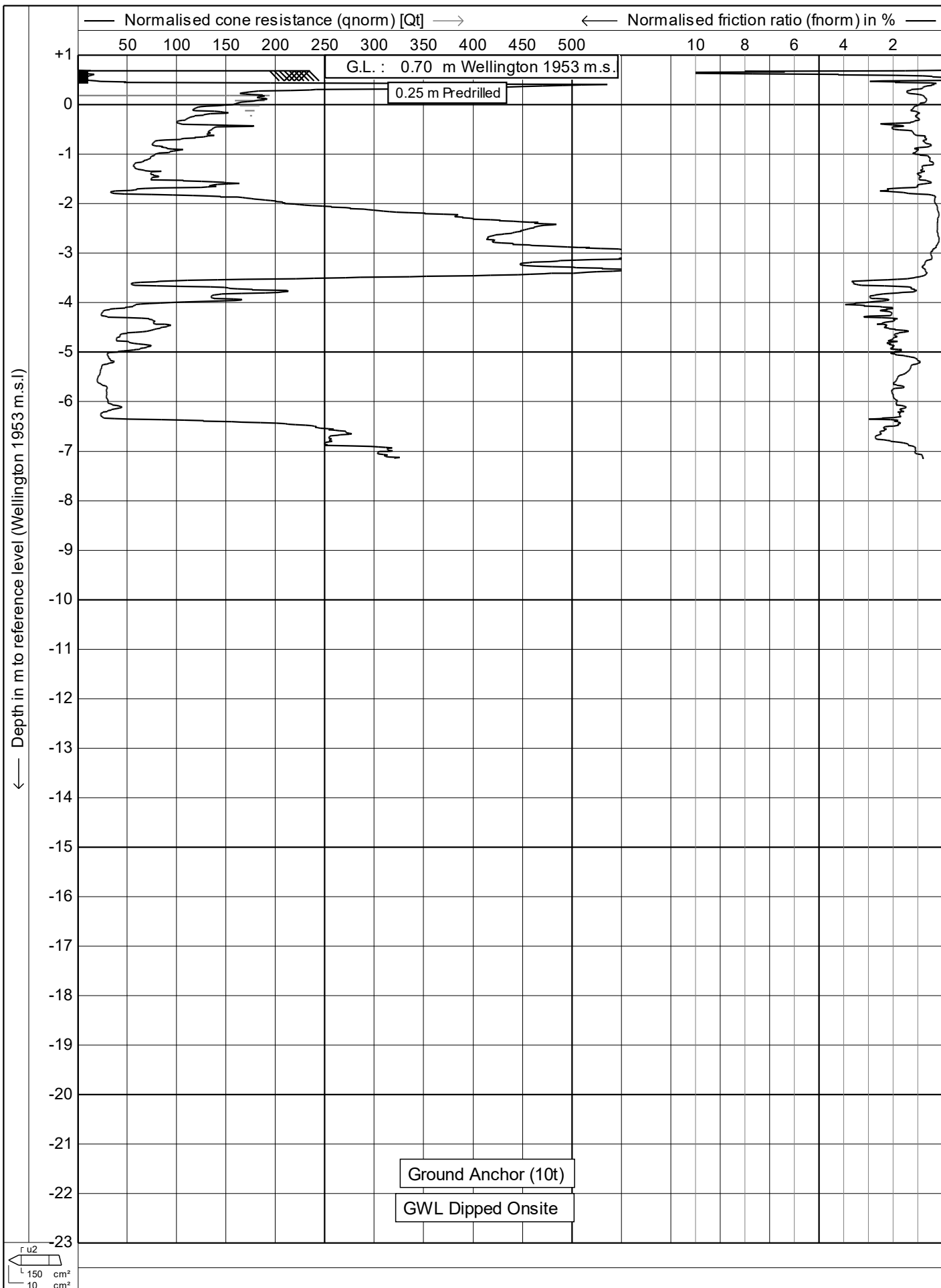
Cone no. : C10CFIP.C13082

Project no. : 04TT1

CPT no. : 301

7/14

← Depth in m to reference level (Wellington 1953 m.s.l)



← Depth in m to reference level (Wellington 1953 m.s.)

— 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. : 0.70 m Wellington 1953 m.s.

0.25 m Predrilled

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

(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 ASTM D5778-12

Project : Site Investigations

Location: Wellington Town Hall

Position: 1748846, 5427599 NZTM

Date : 20/03/2017

Cone no. : C10CFIP.C13082

Project no. : 04TT1

CPT no. : 301

9/14

← Depth in m to reference level (Wellington 1953 m.s.)

— Undrained shear strength (Su) in kPa —→

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

G.L. : 0.70 m Wellington 1953 m.s.

0.25 m Predrilled

Ground Anchor (10t)

GWL Dipped Onsite

150 cm²
10 cm²



Test according ASTM D5778-12

Project : Site Investigations

Location: Wellington Town Hall

Position: 1748846, 5427599 NZTM

Date : 20/03/2017

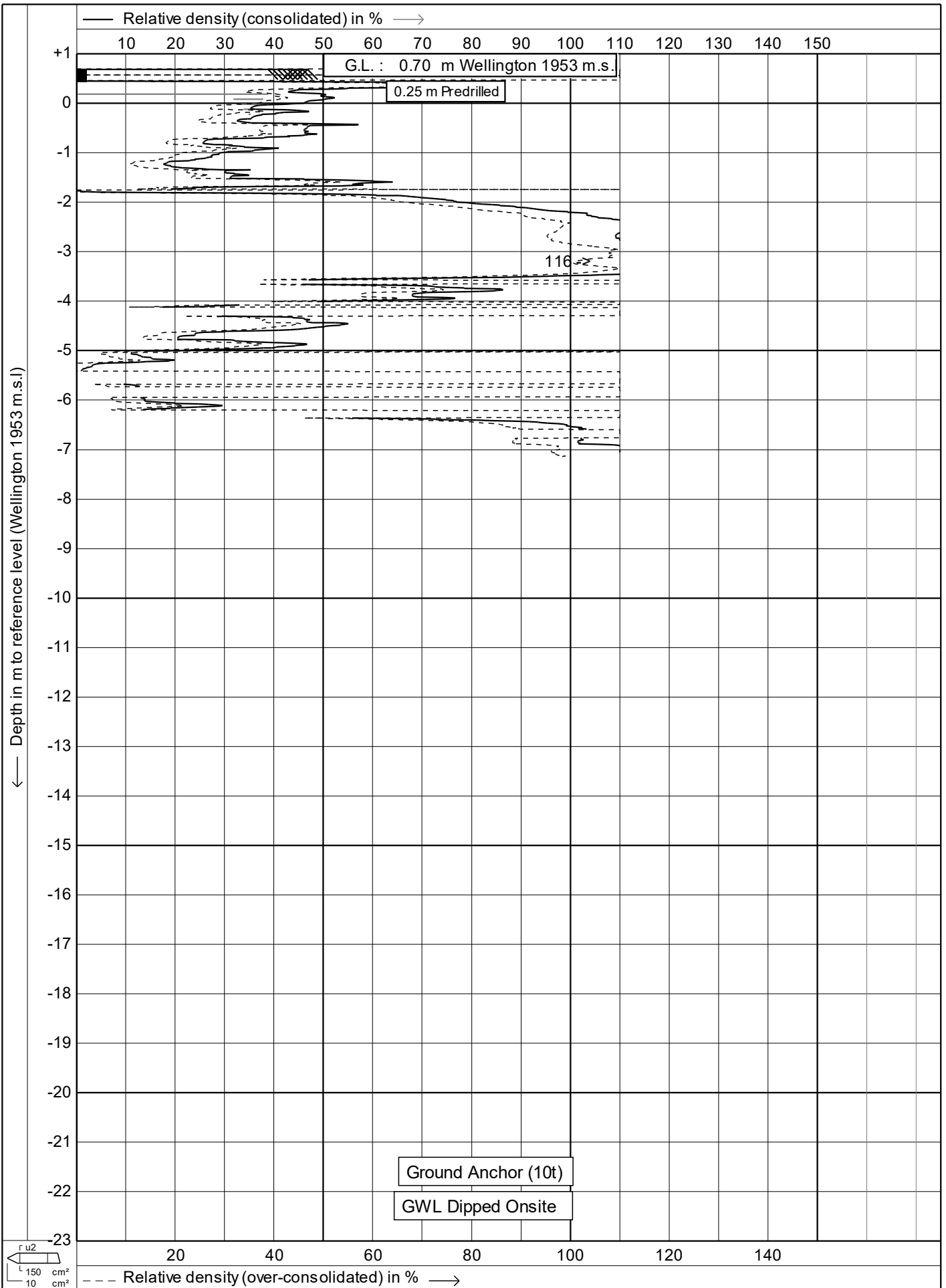
Cone no. : C10CFIP.C13082

Project no. : 04TT1

CPT no. : 301

10/14

← Depth in m to reference level (Wellington 1953 m.s.)



Test according ASTM D5778-12

Project : **Site Investigations**

Location: **Wellington Town Hall**

Position: **1748846, 5427599 NZTM**

Date : **20/03/2017**

Cone no. : **C10CFIP.C13082**

Project no. : **04TT1**

CPT no. : **301**

11/14

← Depth in m to reference level (Wellington 1953 m.s.)

— Equivalent SPT N60 Value →

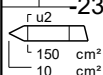
5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

G.L. : 0.70 m Wellington 1953 m.s.

0.25 m Predrilled

Ground Anchor (10t)

GWL Dipped Onsite



Test according ASTM D5778-12

Project : Site Investigations

Location: Wellington Town Hall

Position: 1748846, 5427599 NZTM

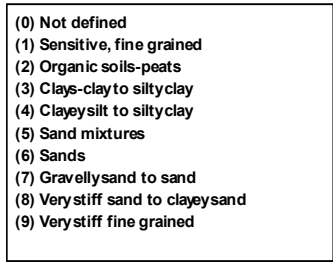
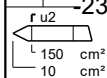
Date : 20/03/2017

Cone no. : C10CFIP.C13082

Project no. : 04TT1

CPT no. : 301

12/14



Soil behaviour type classification after Robertson 1990

← Depth in m to reference level (Wellington 1953 m.s.)

— Internal friction angle in degrees —→

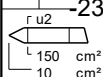
5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

G.L. : 0.70 m Wellington 1953 m.s.

0.25 m Predrilled

Ground Anchor (10t)

GWL Dipped Onsite



Test according ASTM D5778-12

Project : **Site Investigations**

Location: **Wellington Town Hall**

Position: **1748846, 5427599 NZTM**

Date : **20/03/2017**

Cone no. : **C10CFIP.C13082**

Project no. : **04TT1**

CPT no. : **301**

14/14