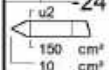
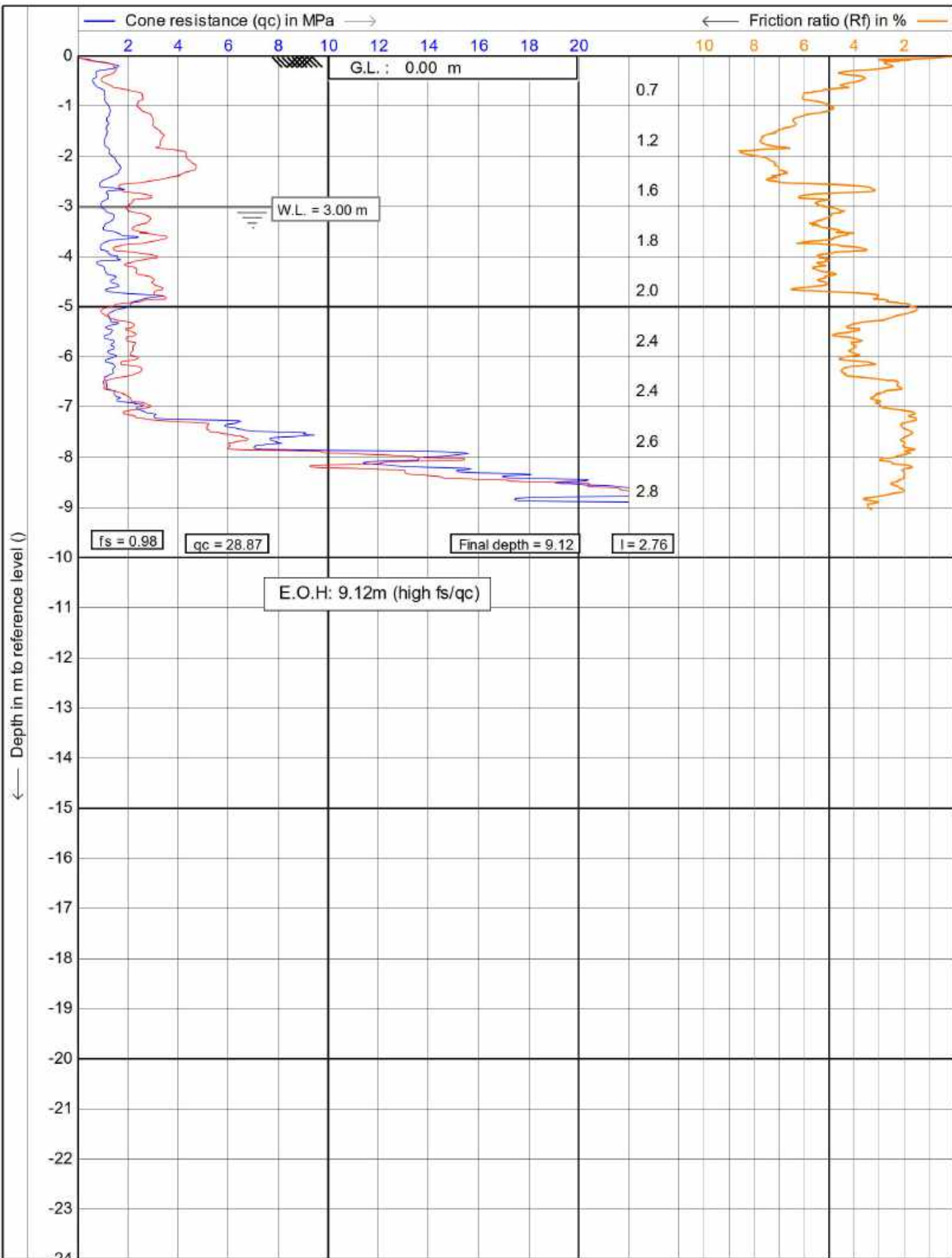


Depth in m to reference level ()



Test according NEN 5140 class 1

☒ Inclination (I) in degr

DRILLFORCE
THE DRILLING SPECIALISTS

Project : Hamlin Rd
Location: Hamlin Rd, Ardmore
Position: 174.96844, -37.04797 WGS 84

Date : 14/04/2021
Cone no. : S10CFIP.S16082
Project no. : DF21GE034
CPT no. : CPT_01 1/15

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

W.L. = 3.00 m

u = 0.04

I = 2.76

E.O.H: 9.12m (high fs/qc)

Equilibrium pore pressure (u0) in MPa →

☒ Inclination (I) in degr



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96844, -37.04797 WGS 84

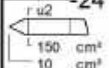
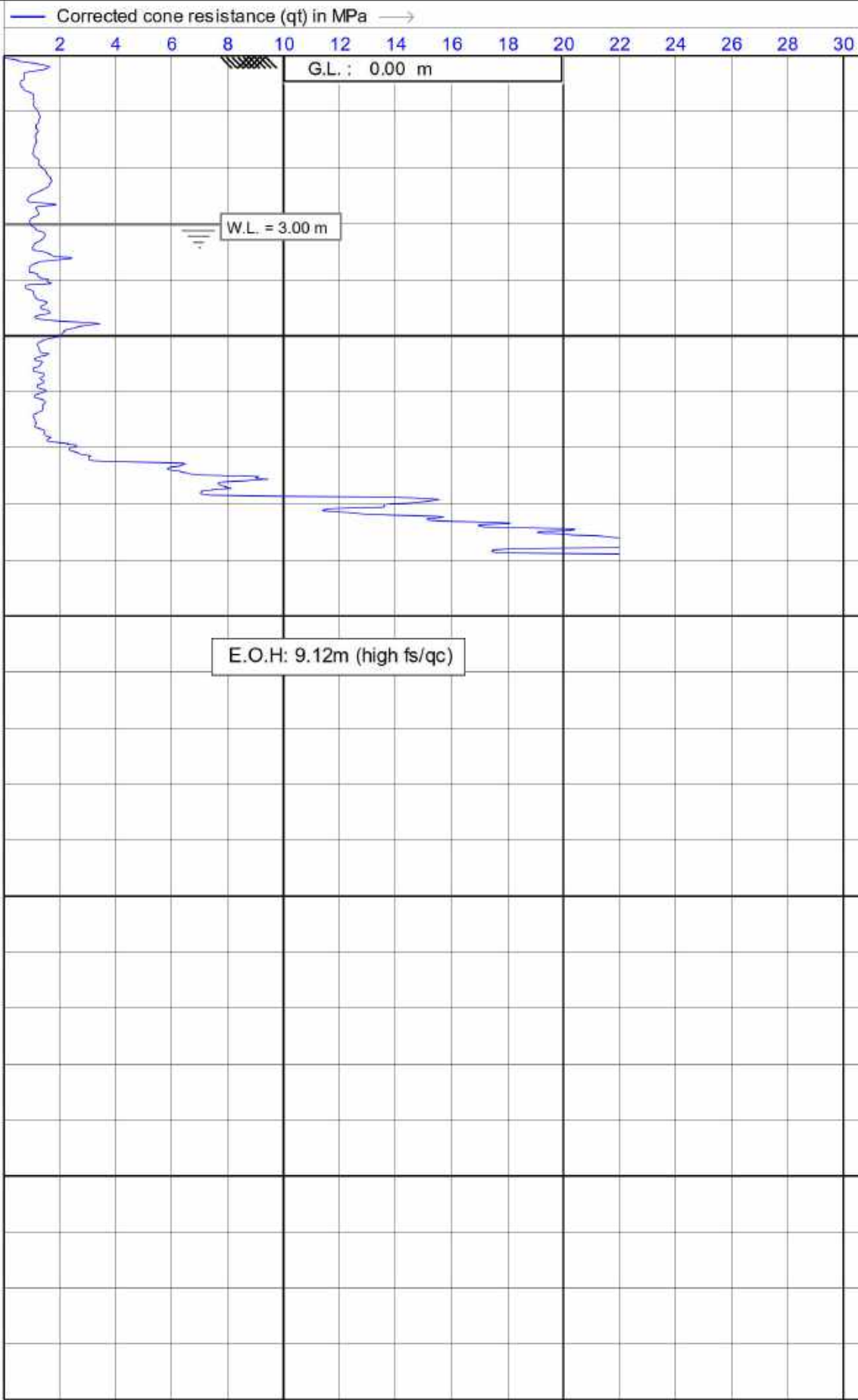
Date : 14/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_01 2/15

← Depth in m to reference level ()



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96844, -37.04797 WGS 84

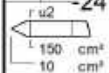
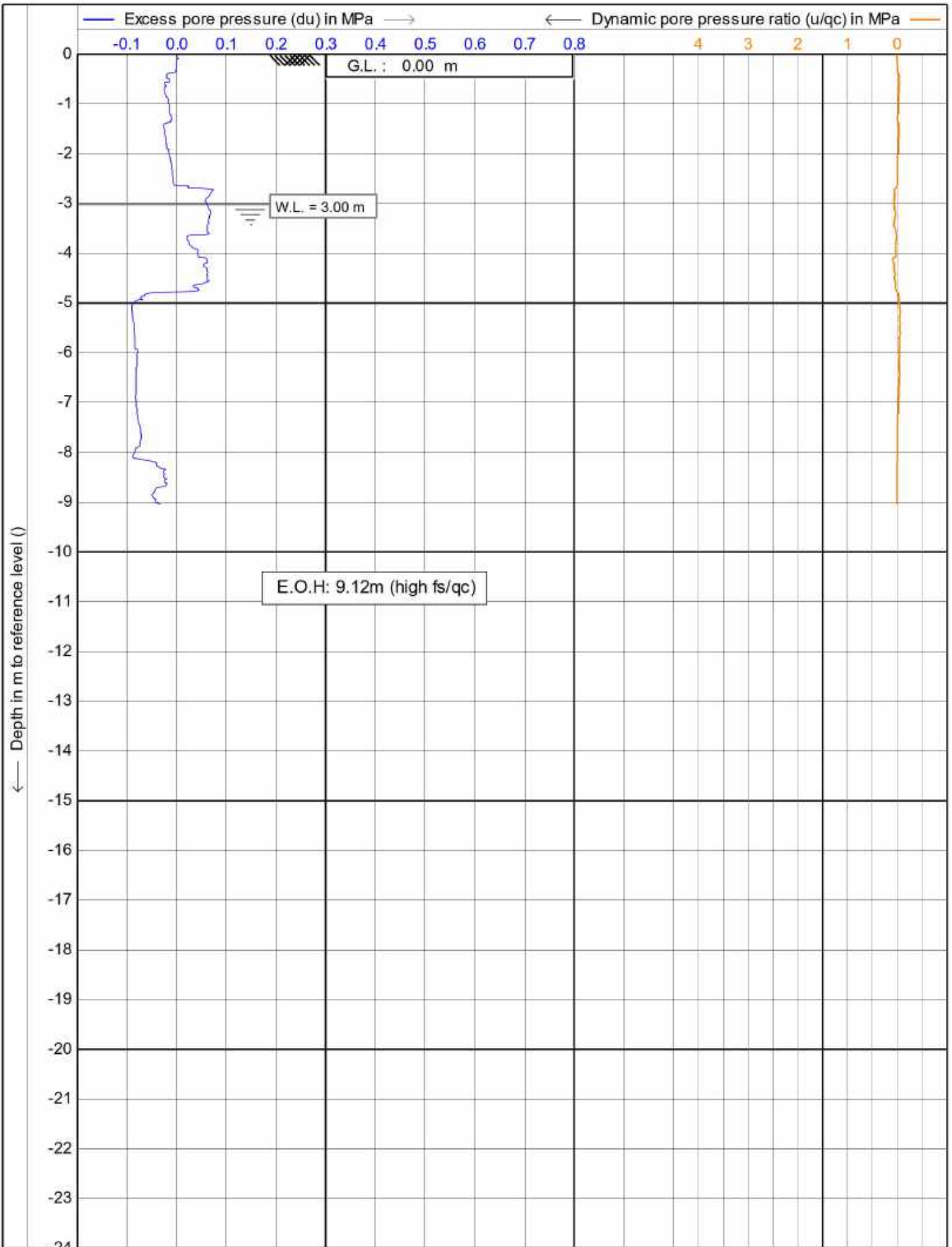
Date : 14/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_01 3/15

Depth in m to reference level ()



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96844, -37.04797 WGS 84

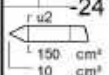
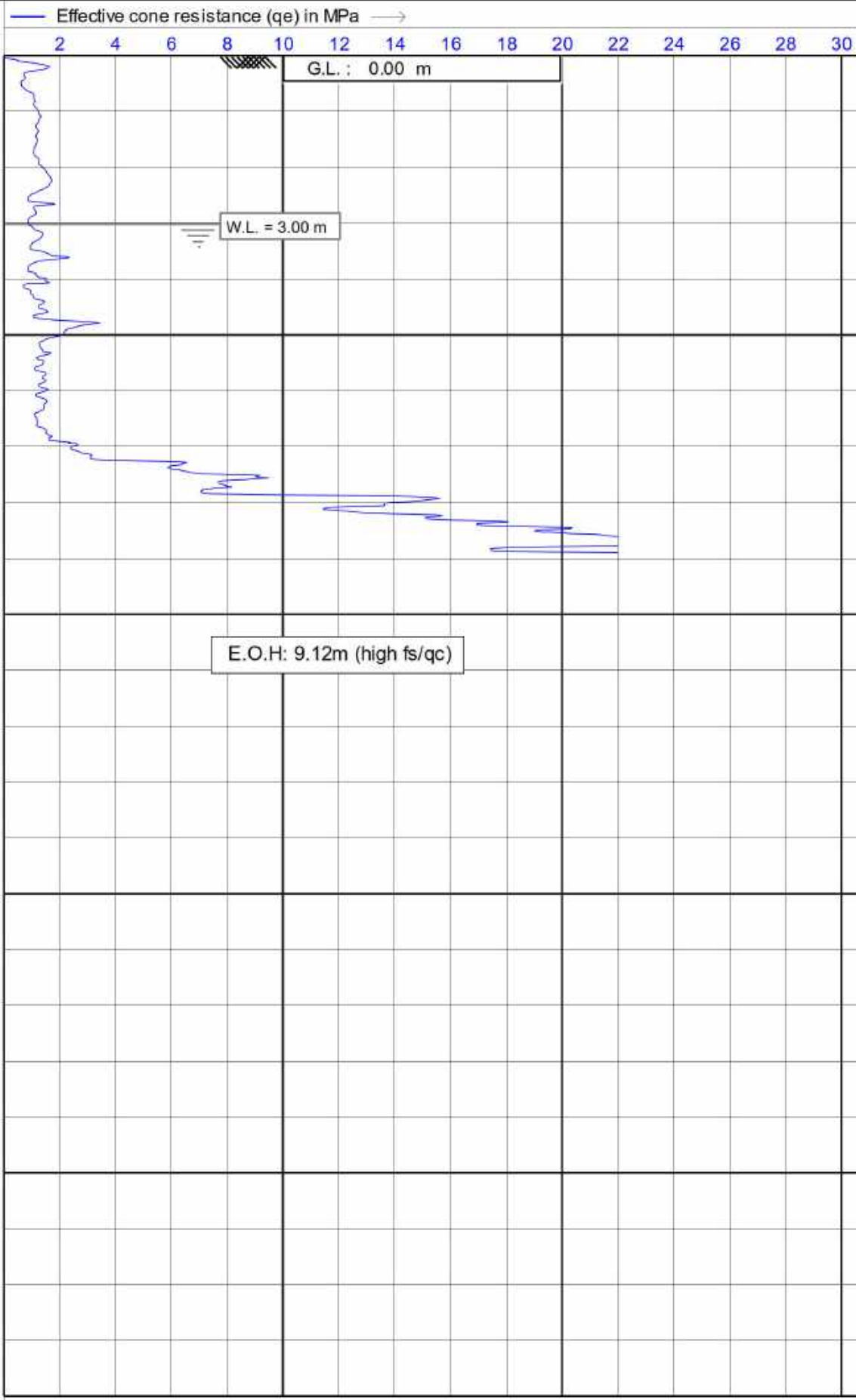
Date : 14/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_01 4/15

← Depth in m to reference level ()



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96844, -37.04797 WGS 84

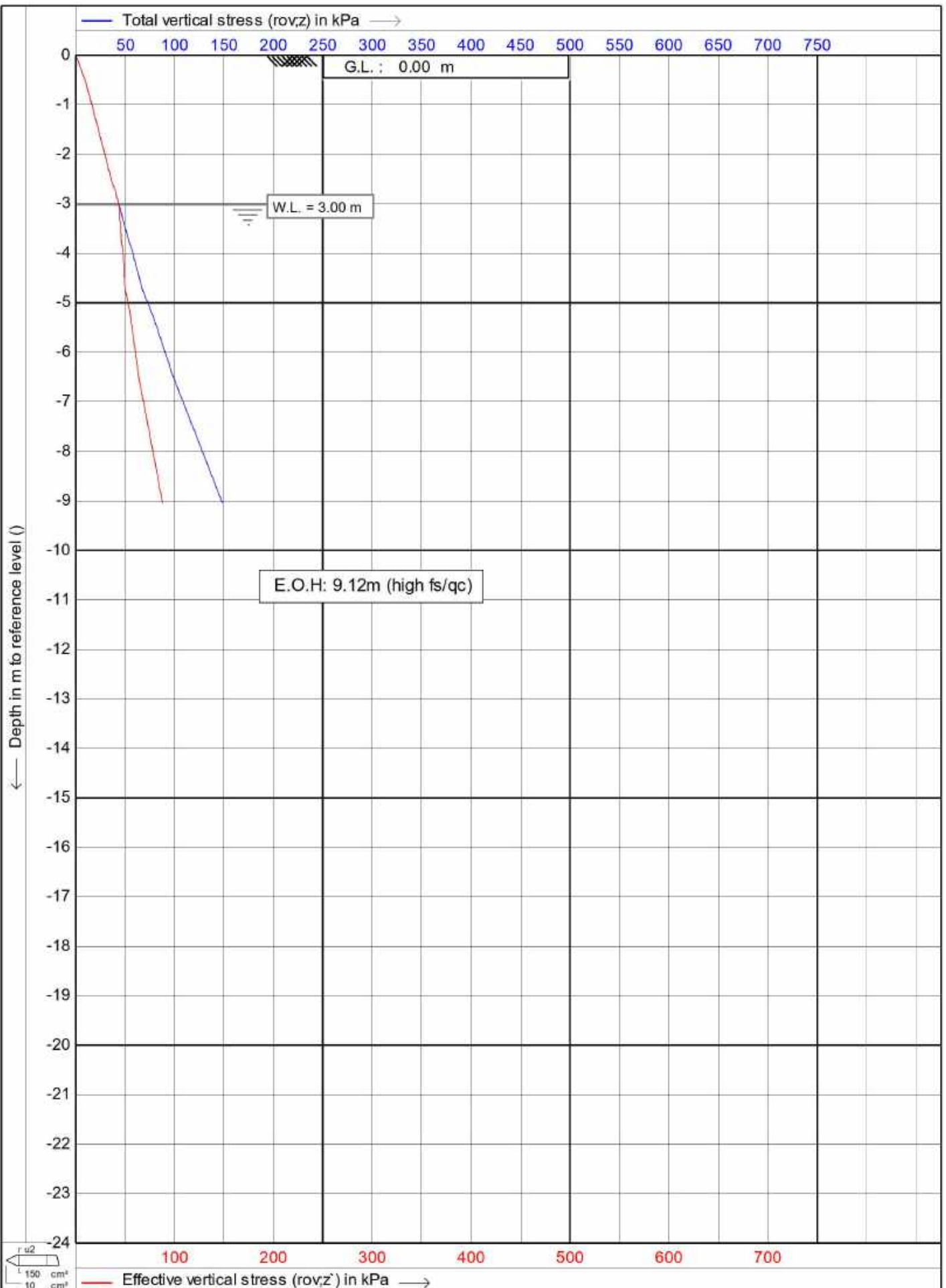
Date : 14/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_01 5/15

← Depth in m to reference level ()



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96844, -37.04797 WGS 84

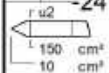
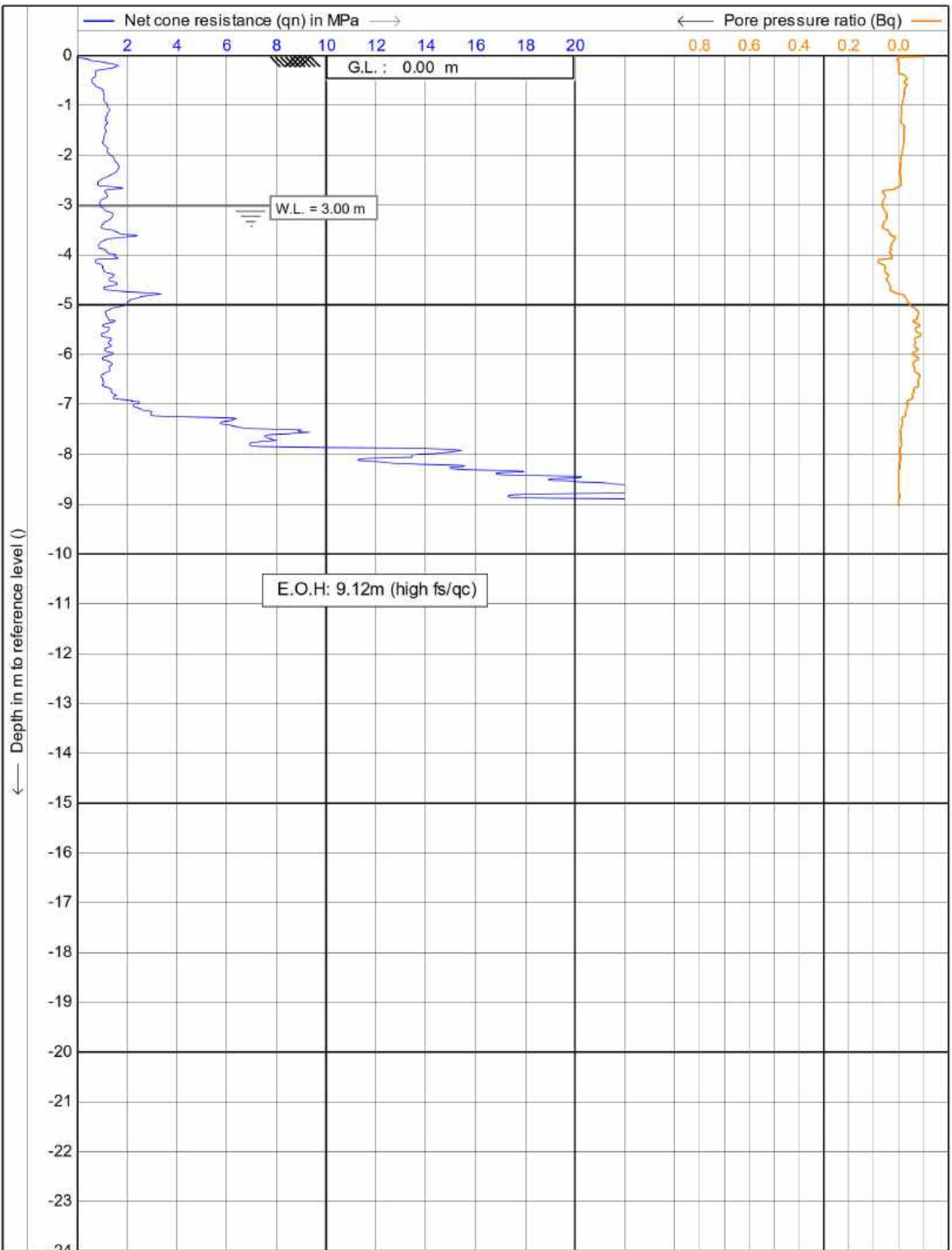
Date : 14/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_01 6/15

← Depth in m to reference level ()



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96844, -37.04797 WGS 84

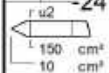
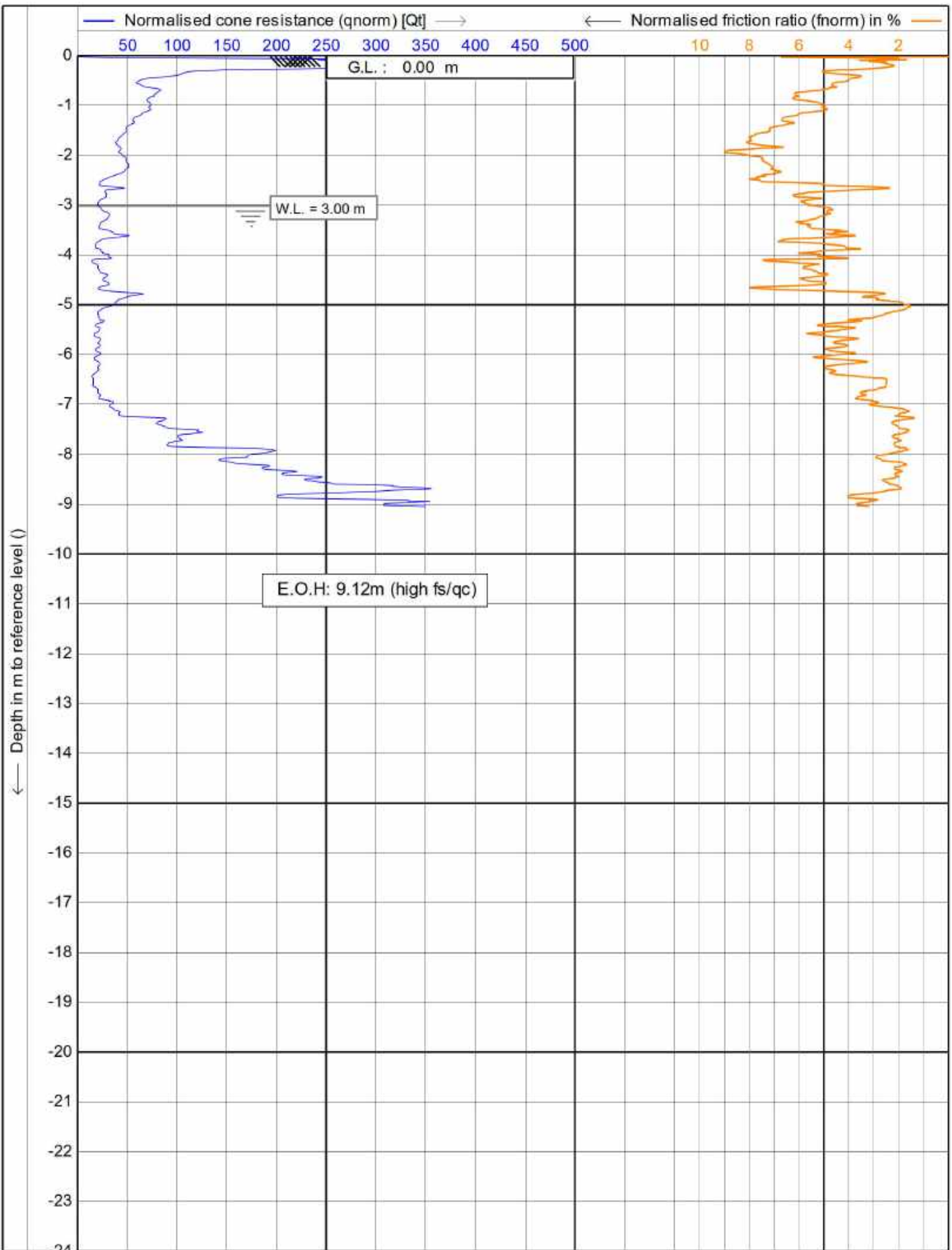
Date : 14/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_01 7/15

← Depth in m to reference level ()



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96844, -37.04797 WGS 84

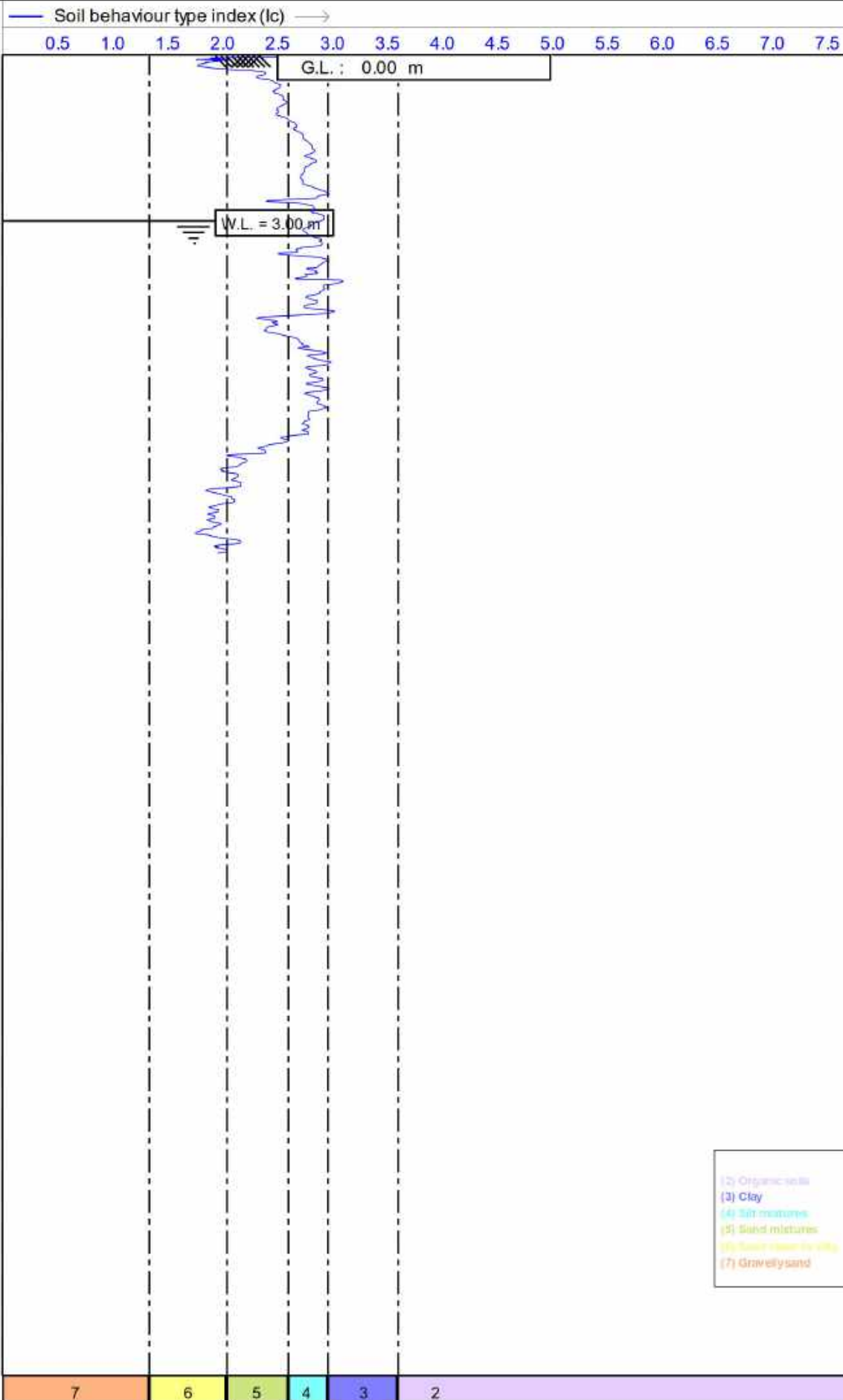
Date : 14/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_01 8/15

← Depth in m to reference level ()



150 cm³
10 cm³

DRILLFORCE
THE DRILLING SPECIALISTS

Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96844, -37.04797 WGS 84

Date : 14/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_01 9/15

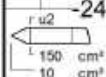
← Depth in m to reference level ()

— Undrained shear strength (S_u) in kPa →
100 200 300 400 500 600 700 800 900 1000 1100 1200 1300 1400 1500

G.L. : 0.00 m

W.L. = 3.00 m

E.O.H: 9.12m (high fs/qc)



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96844, -37.04797 WGS 84

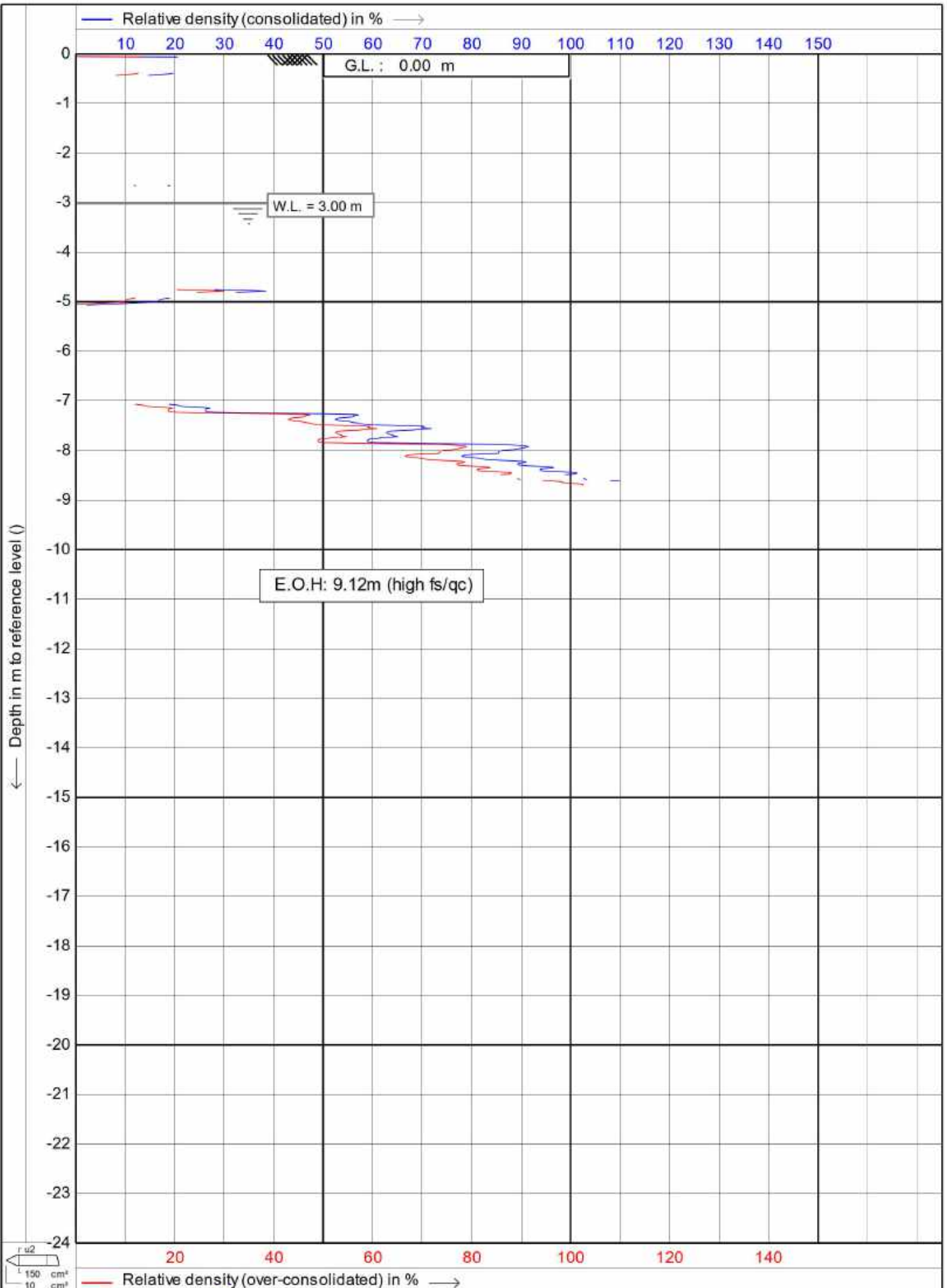
Date : 14/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_01 10/15

← Depth in m to reference level ()



DRILLFORCE
THE DRILLING SPECIALISTS

Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96844, -37.04797 WGS 84

Date : 14/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_01 11/15

← Depth in m to reference level ()

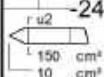
Equivalent SPT N60 Value →

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

G.L. : 0.00 m

W.L. = 3.00 m

E.O.H: 9.12m (high fs/qc)



DRILLFORCE
THE DRILLING SPECIALISTS

Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96844, -37.04797 WGS 84

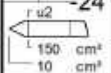
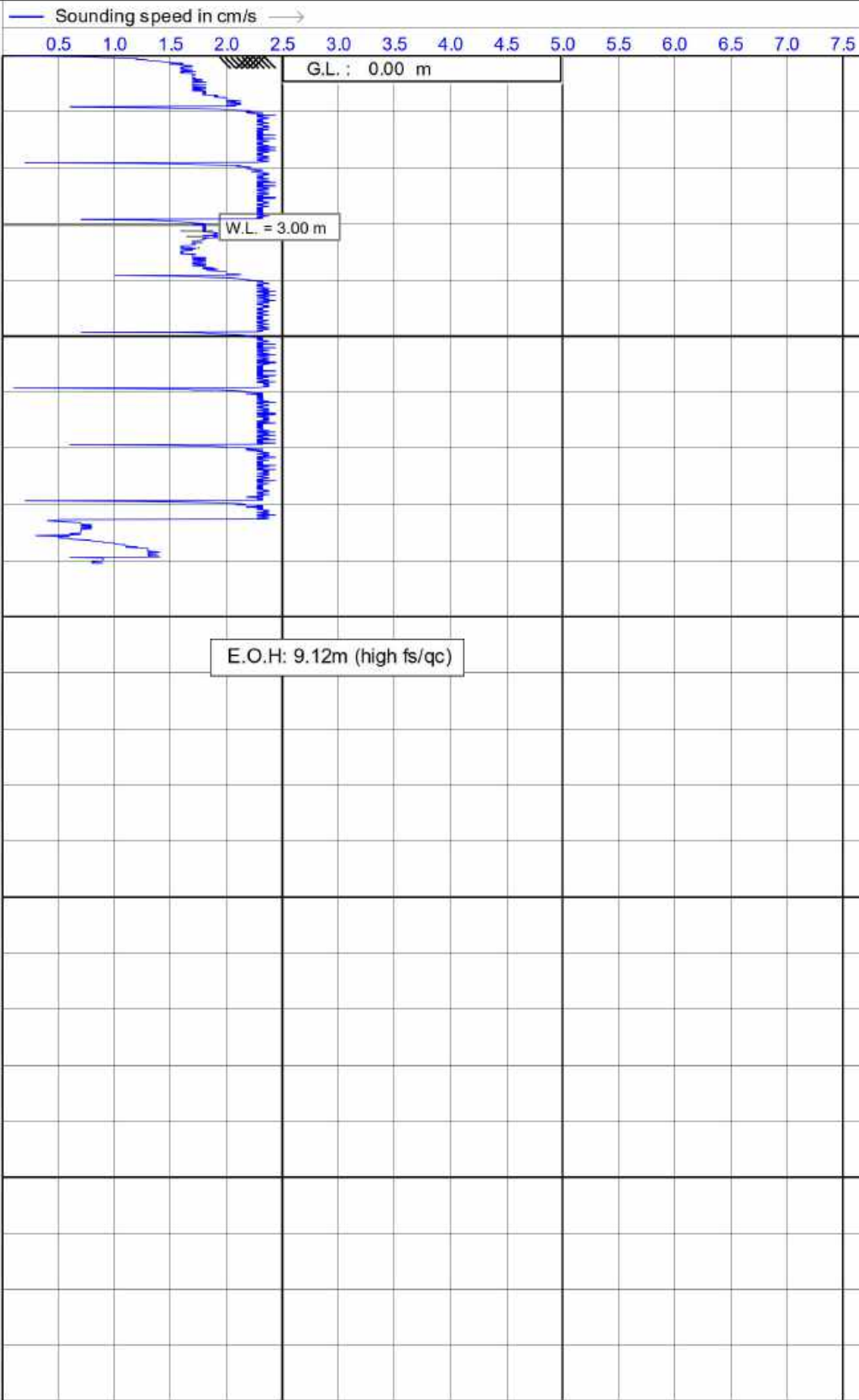
Date : 14/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_01 12/15

← Depth in m to reference level ()



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96844, -37.04797 WGS 84

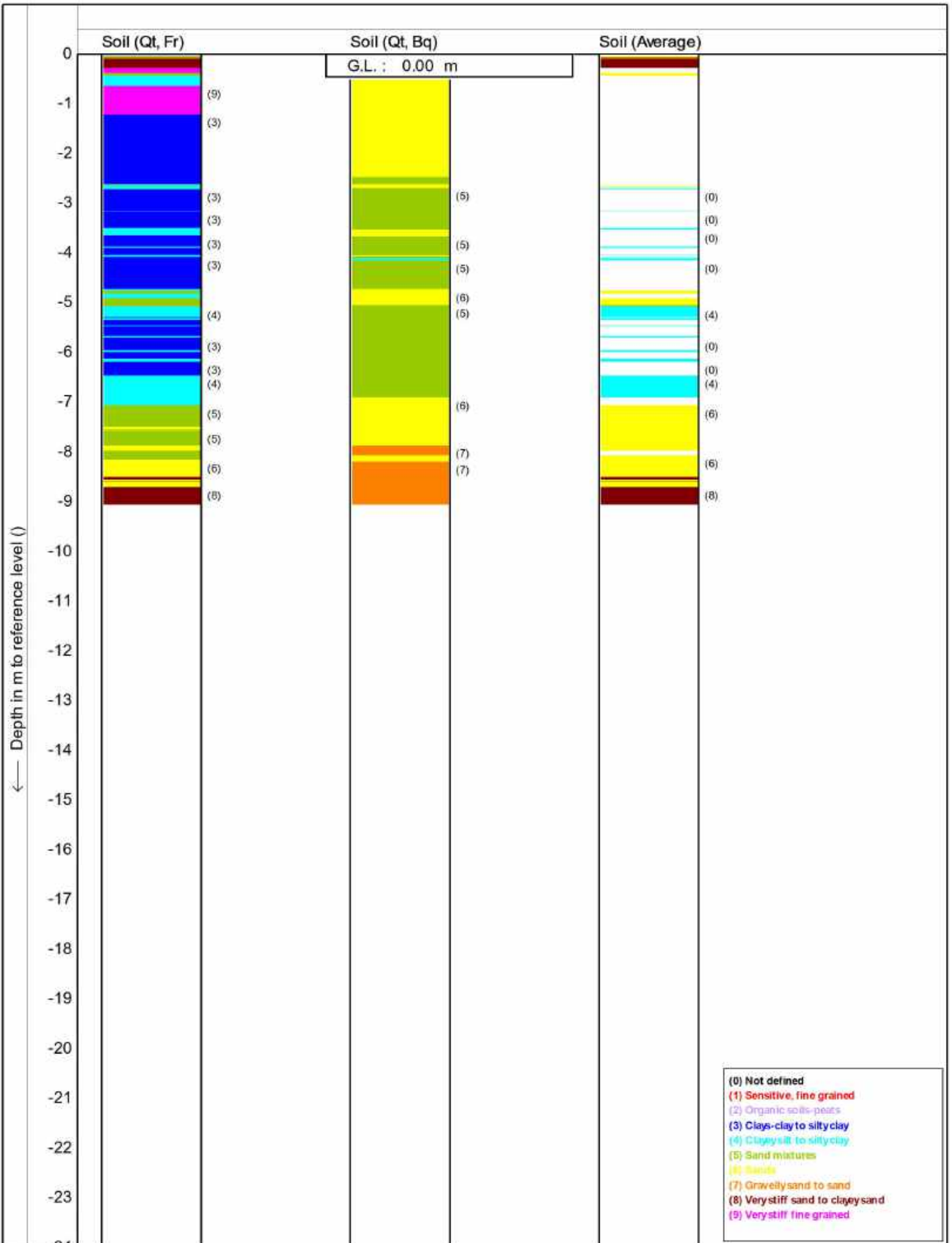
Date : 14/04/2021

Cone no. : S10CFIP.S16082

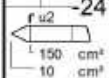
Project no. : DF21GE034

CPT no. : CPT_01 13/15

Depth in m to reference level ()



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



Soil behaviour type classification after Robertson 1990



Test according NEN 5140 class 1		Date : 14/04/2021	
Project : Hamlin Rd		Cone no. : S10CFIP.S16082	
Location: Hamlin Rd, Ardmore		Project no. : DF21GE034	
Position: 174.96844, -37.04797 WGS 84		CPT no. : CPT_01	14/15

← Depth in m to reference level ()

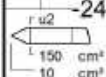
Internal friction angle in degrees →

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

G.L. : 0.00 m

W.L. = 3.00 m

E.O.H: 9.12m (high fs/qc)



DRILLFORCE
THE DRILLING SPECIALISTS

Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96844, -37.04797 WGS 84

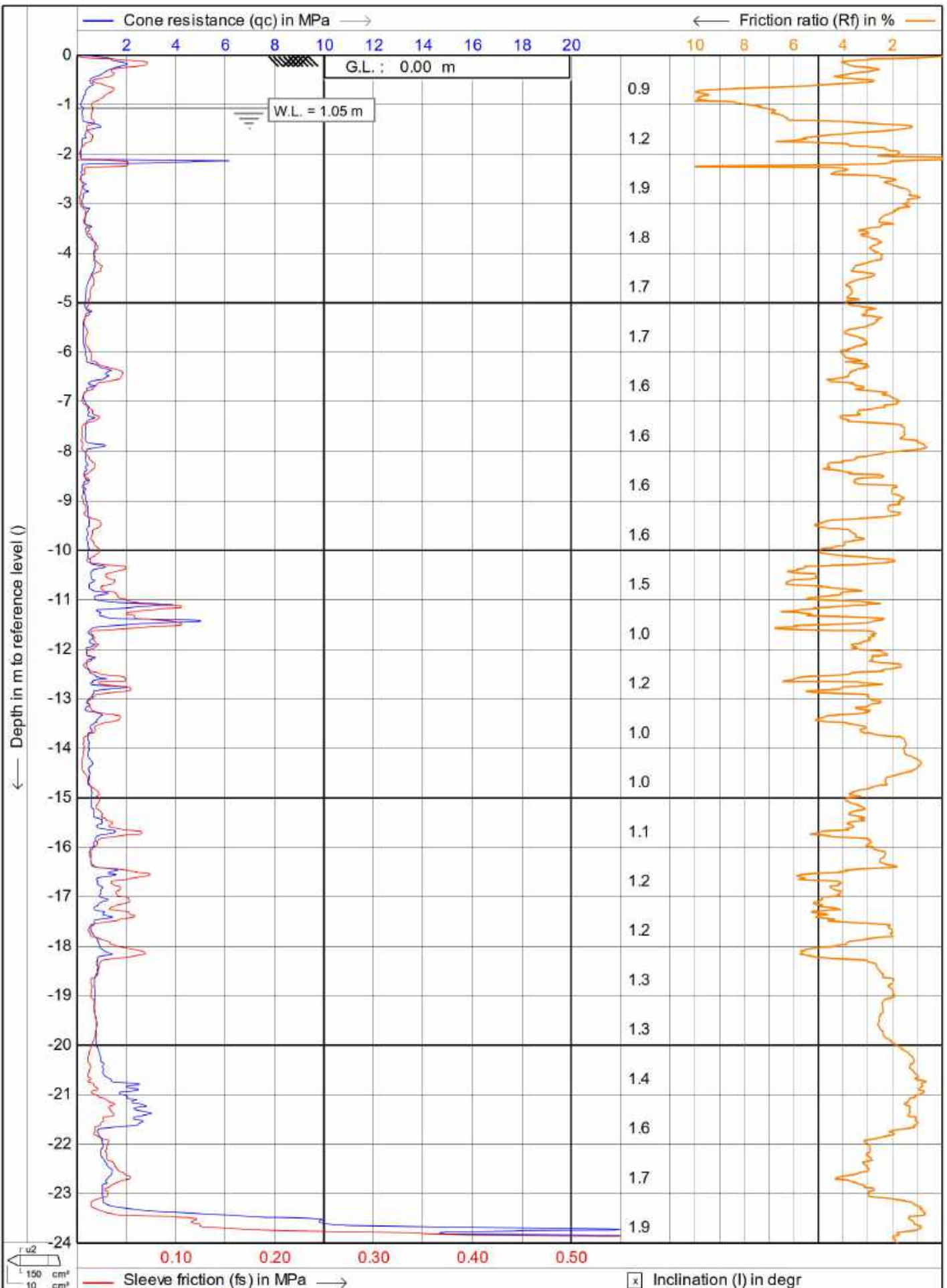
Date : 14/04/2021

Cone no. : S10CFIP.S16082

Project no. : **DF21GE034**

CPT no. : **CPT_01** 15/15

Depth in m to reference level ()



DRILLFORCE
THE DRILLING SPECIALISTS

Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96379, -37.0496 WGS 84

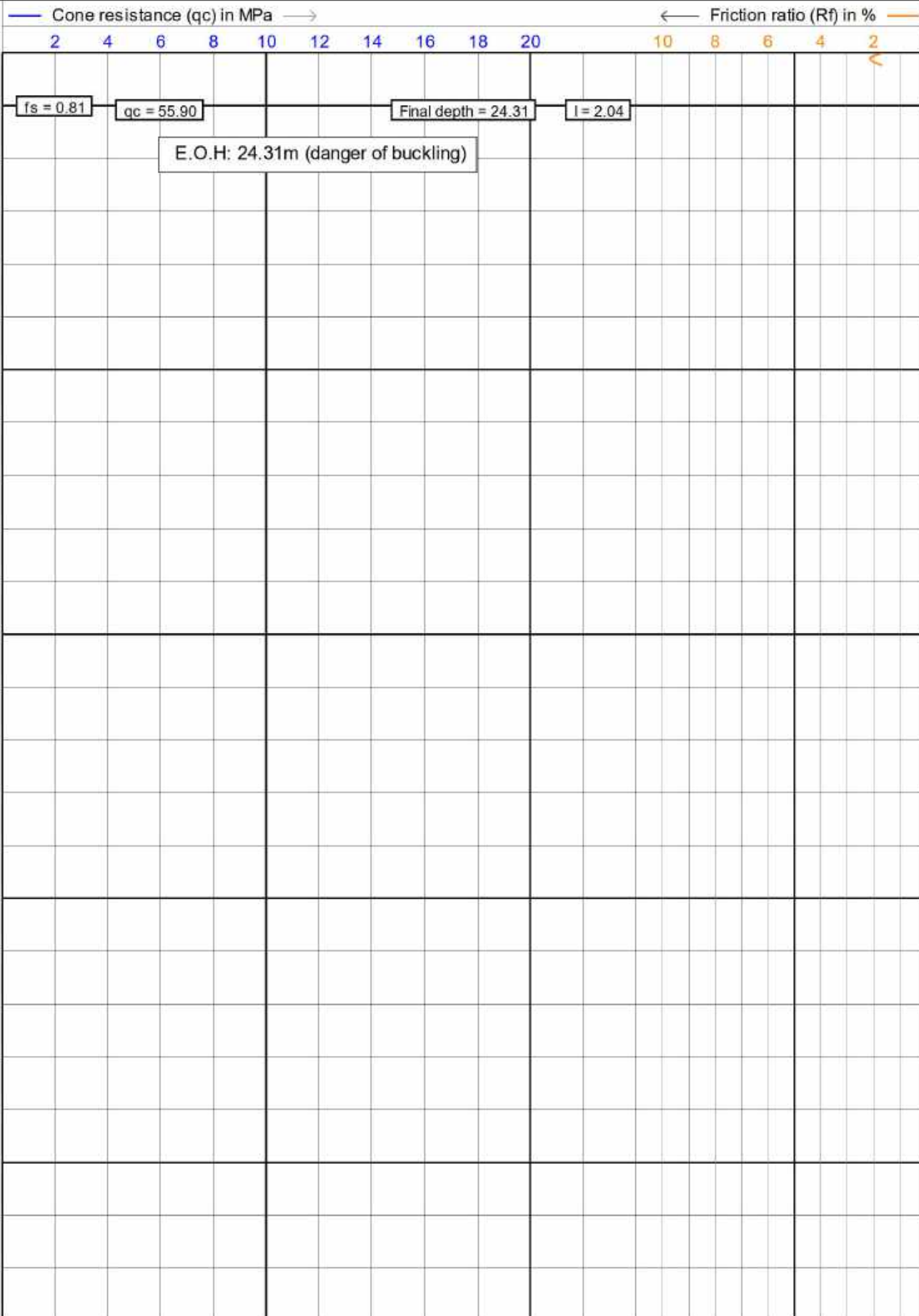
Date : 14/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_02 1/30

← Depth in m to reference level ()



0.10 0.20 0.30 0.40 0.50

— Sleeve friction (fs) in MPa —→ ☒ Inclination (I) in degr



Test according NEN 5140 class 1

Project : Hamlin Rd
 Location: Hamlin Rd, Ardmore
 Position: 174.96379, -37.0496 WGS 84

Date : 14/04/2021
 Cone no. : S10CFIP.S16082
 Project no. : DF21GE034
 CPT no. : CPT_02 2/30

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

W.L. = 1.05 m

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

0.9
1.2
1.9
1.8
1.7
1.7
1.6
1.6
1.6
1.6
1.5
1.0
1.2
1.0
1.0
1.1
1.2
1.2
1.3
1.3
1.4
1.6
1.7
1.9

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 NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96379, -37.0496 WGS 84

Date : 14/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_02 3/30

← 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

-24
-25
-26
-27
-28
-29
-30
-31
-32
-33
-34
-35
-36
-37
-38
-39
-40
-41
-42
-43
-44
-45
-46
-47
-48

u = 0.07

I = 2.04

E.O.H: 24.31m (danger of buckling)

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 NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96379, -37.0496 WGS 84

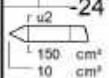
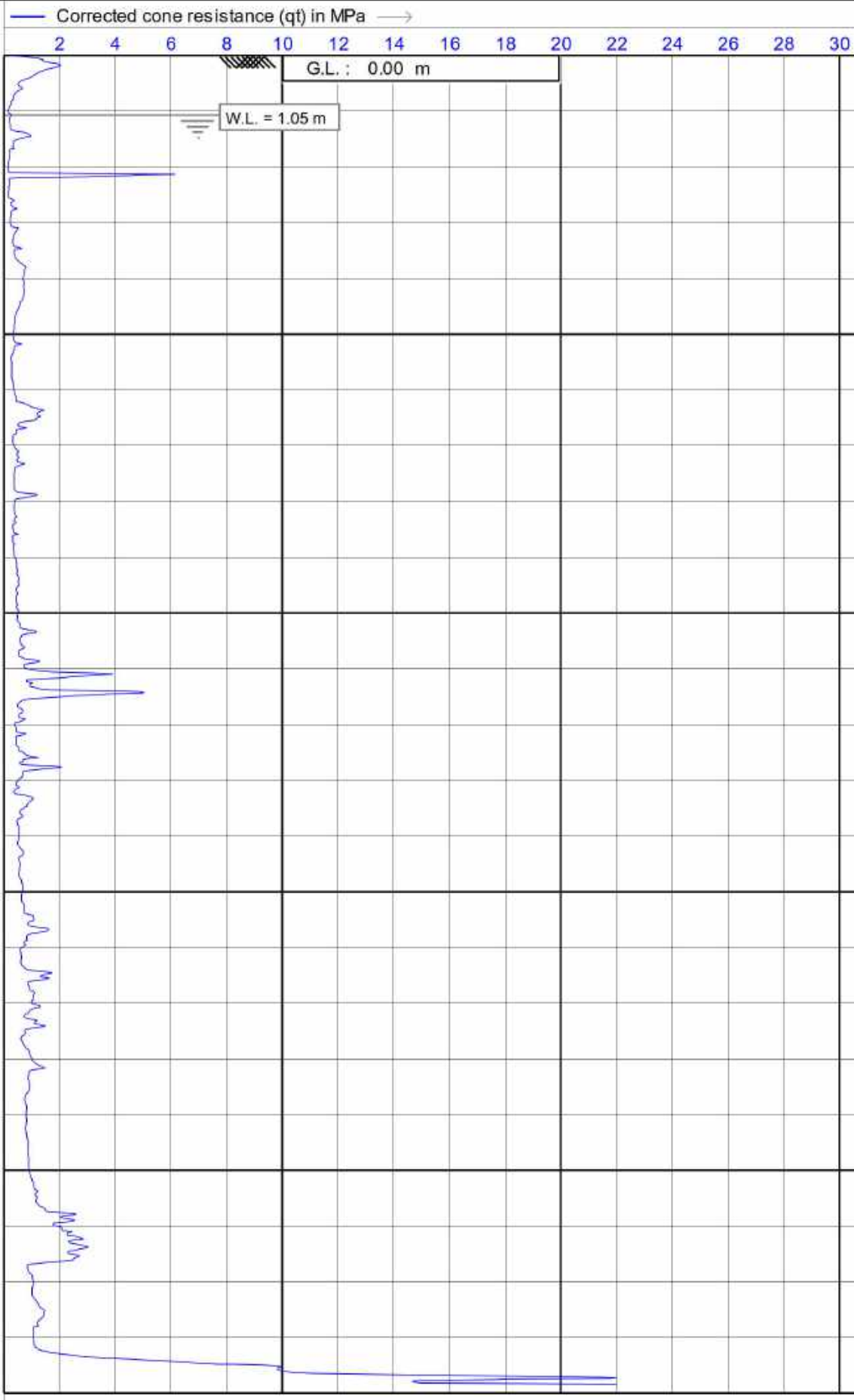
Date : 14/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_02 4/30

← Depth in m to reference level ()



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

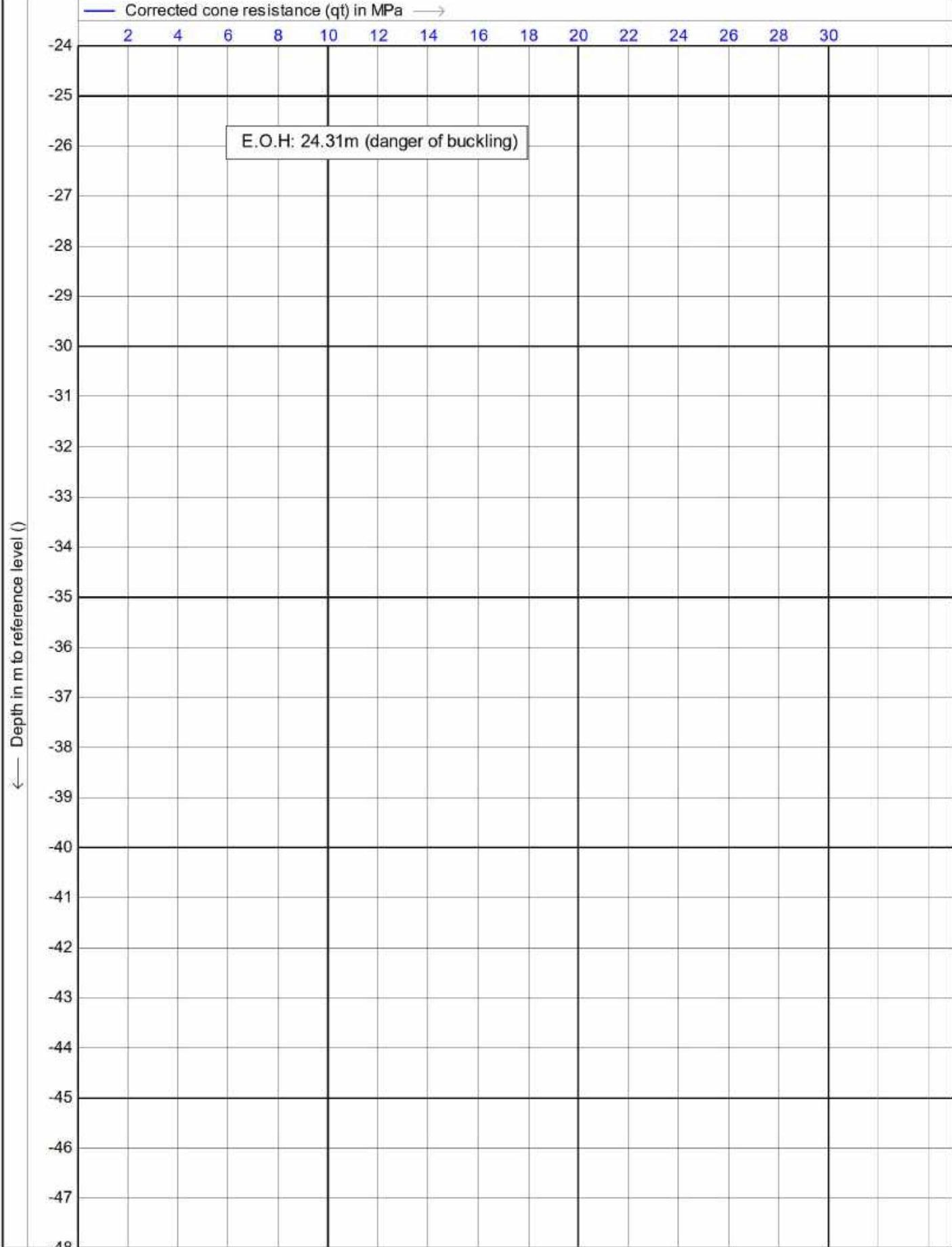
Position: 174.96379, -37.0496 WGS 84

Date : 14/04/2021

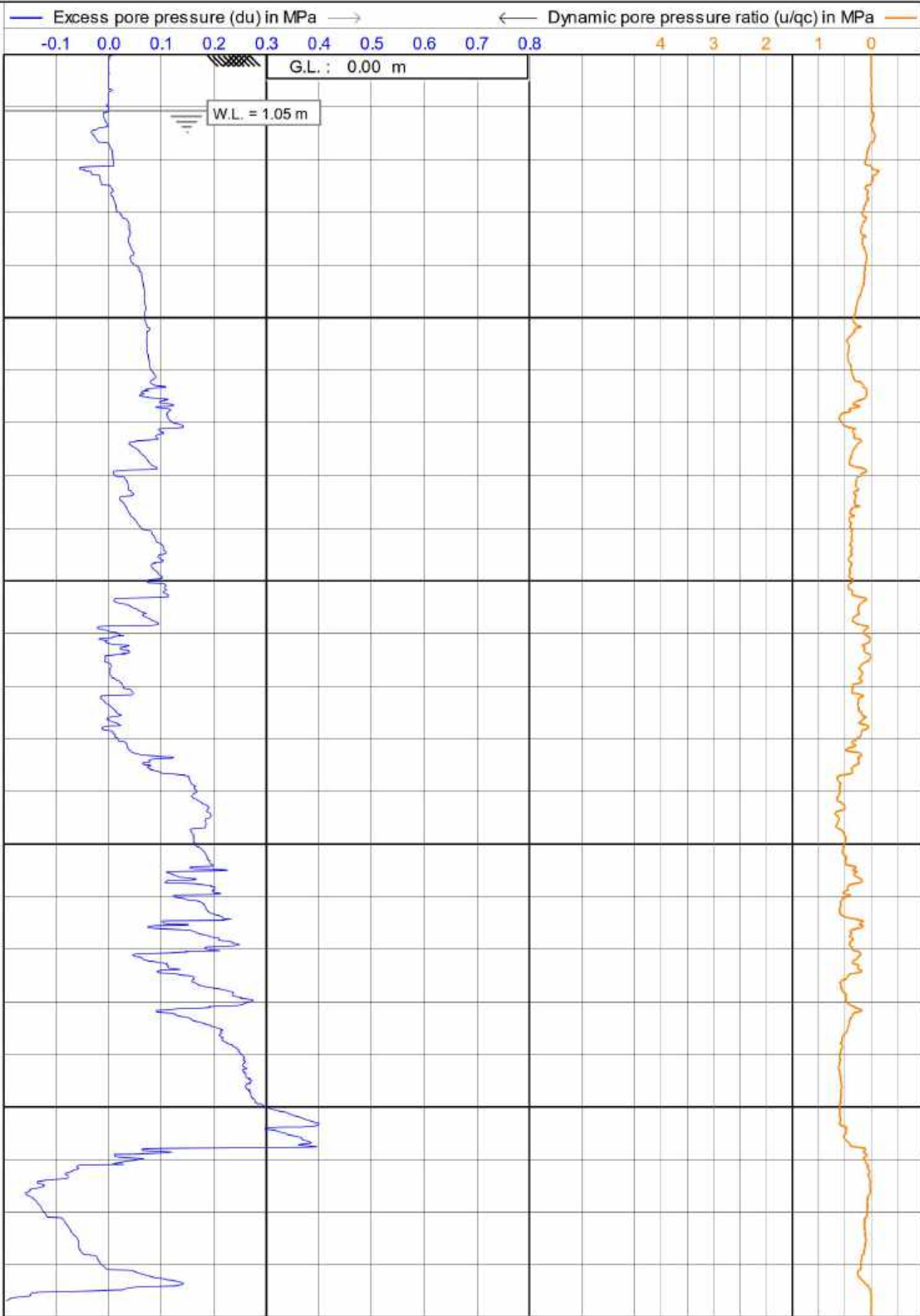
Cone no. : S10CFIP.S16082

Project no. : DF21GE034

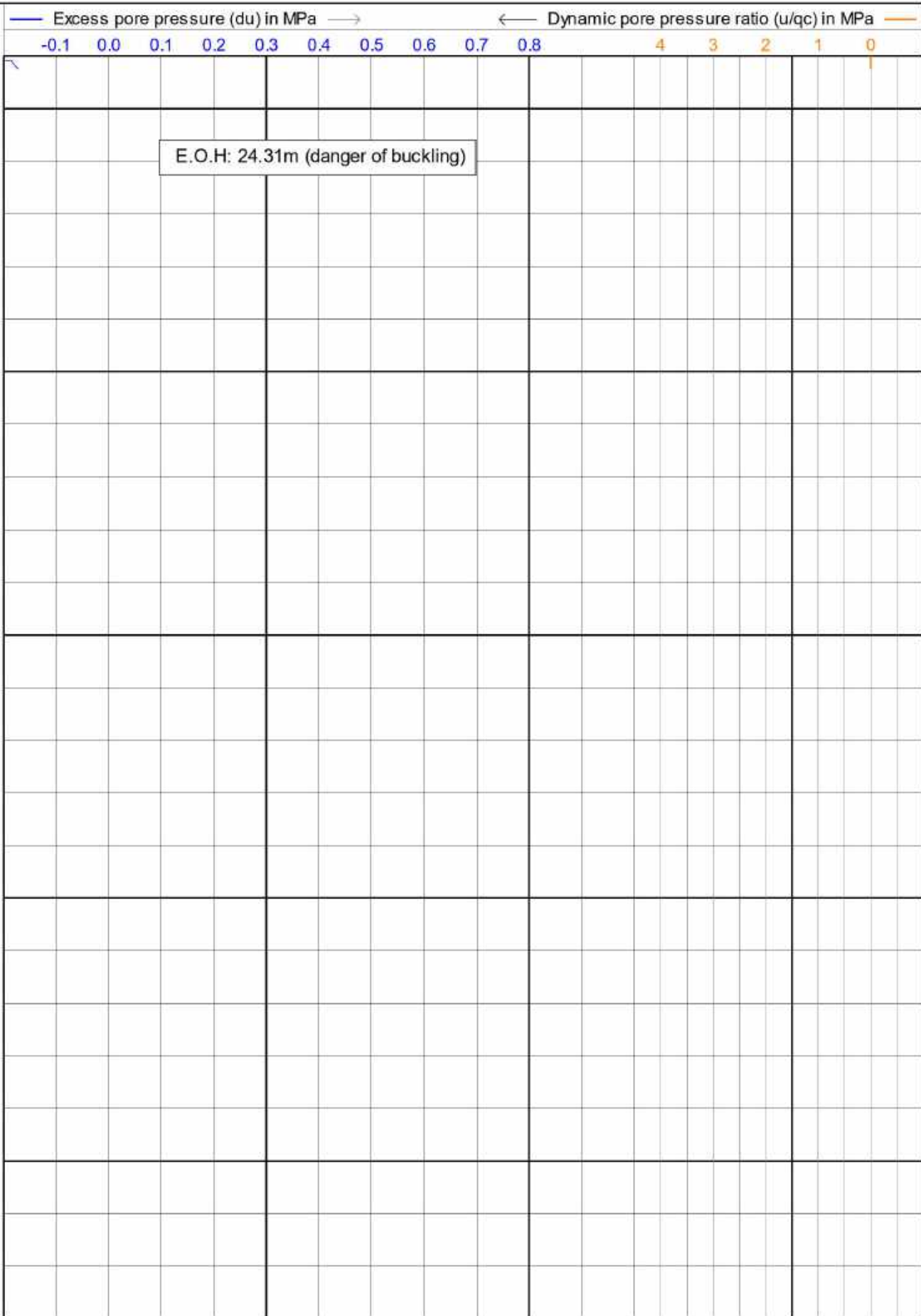
CPT no. : CPT_02 5/30



← Depth in m to reference level ()

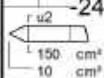
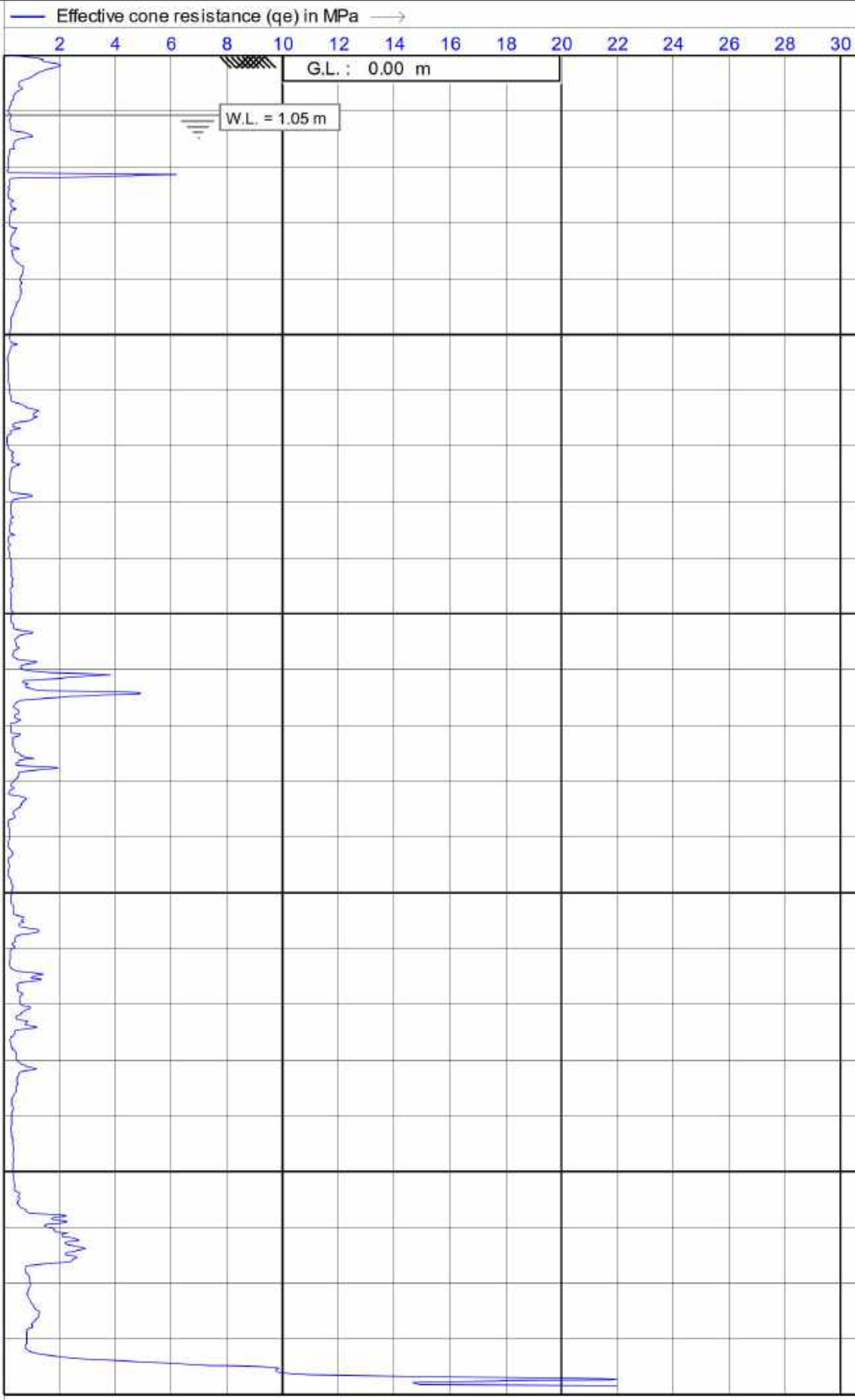


← Depth in m to reference level ()



Test according NEN 5140 class 1		Date : 14/04/2021
Project : Hamlin Rd		Cone no. : S10CFIP.S16082
Location: Hamlin Rd, Ardmore		Project no. : DF21GE034
Position: 174.96379, -37.0496 WGS 84		CPT no. : CPT_02 8/30

← Depth in m to reference level ()



DRILLFORCE
THE DRILLING SPECIALISTS

Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96379, -37.0496 WGS 84

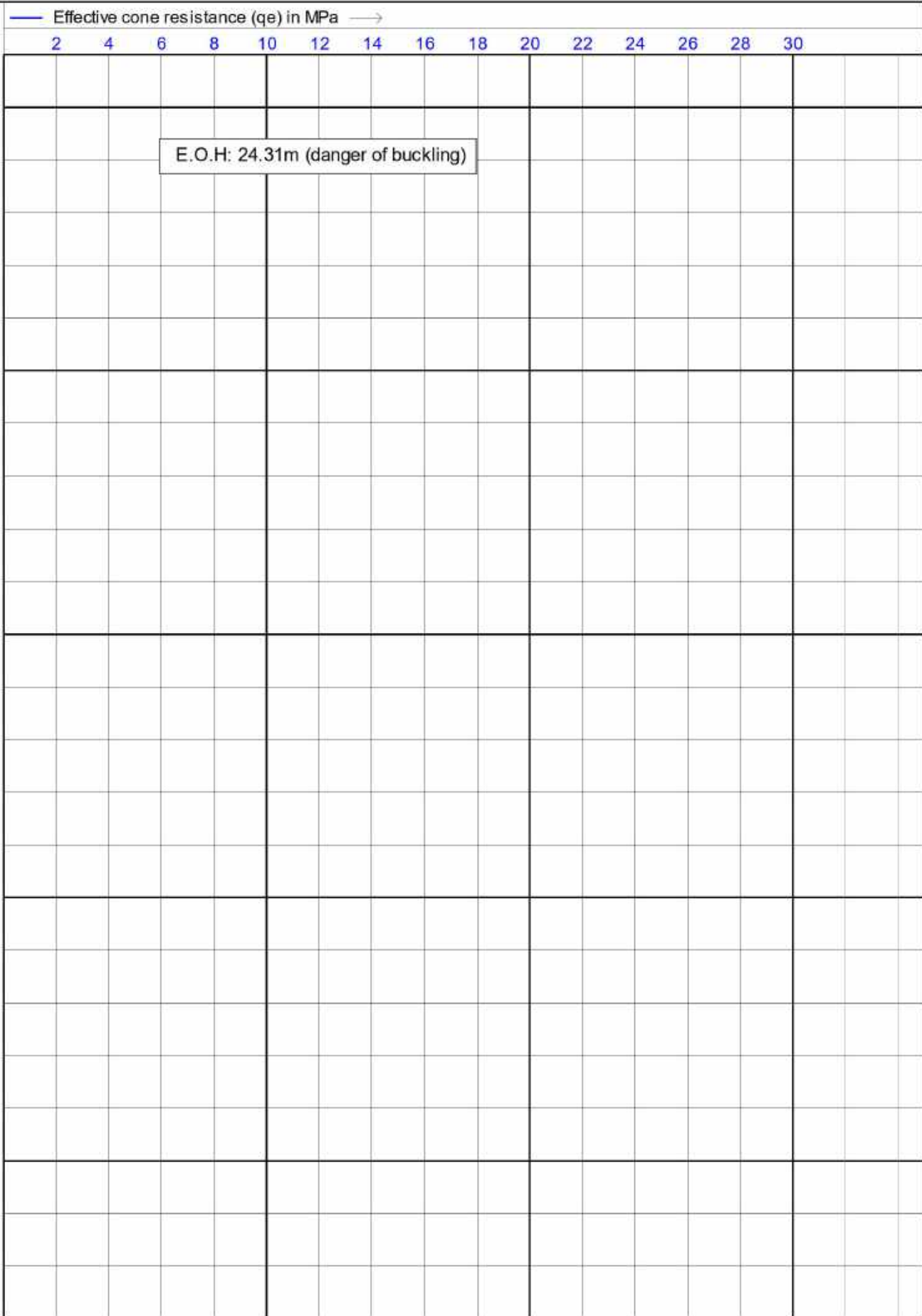
Date : 14/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_02 9/30

← Depth in m to reference level ()



Test according NEN 5140 class 1		Date : 14/04/2021	
Project : Hamlin Rd		Cone no. : S10CFIP.S16082	
Location: Hamlin Rd, Ardmore		Project no. : DF21GE034	
Position: 174.96379, -37.0496 WGS 84		CPT no. : CPT_02	10/30

← 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

W.L. = 1.05 m

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

100

200

300

400

500

600

700

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



DRILLFORCE
THE DRILLING SPECIALISTS

Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96379, -37.0496 WGS 84

Date : 14/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_02 11/30

← 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

-24
-25
-26
-27
-28
-29
-30
-31
-32
-33
-34
-35
-36
-37
-38
-39
-40
-41
-42
-43
-44
-45
-46
-47
-48

E.O.H: 24.31m (danger of buckling)

100 200 300 400 500 600 700

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



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96379, -37.0496 WGS 84

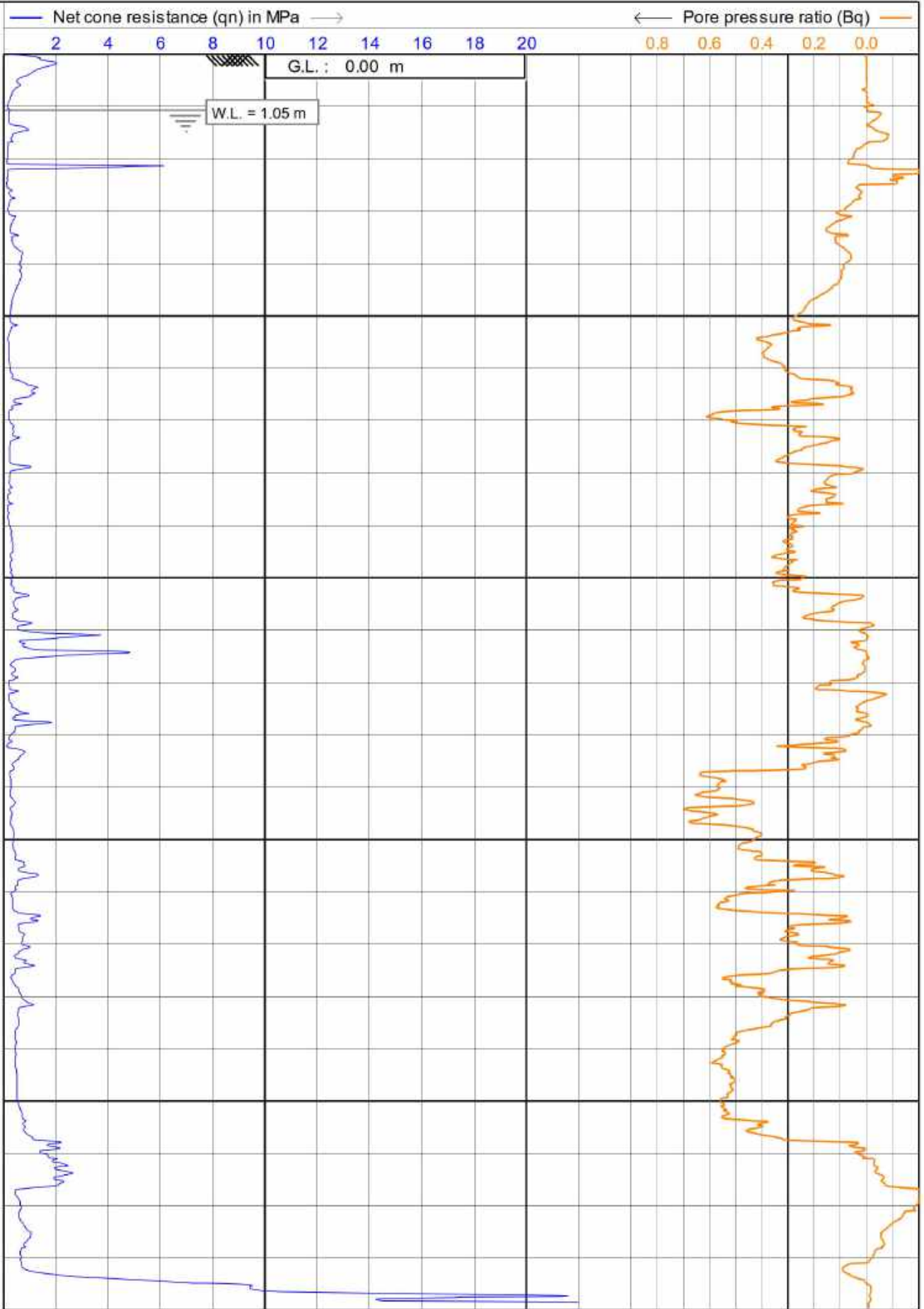
Date : 14/04/2021

Cone no. : S10CFIIP.S16082

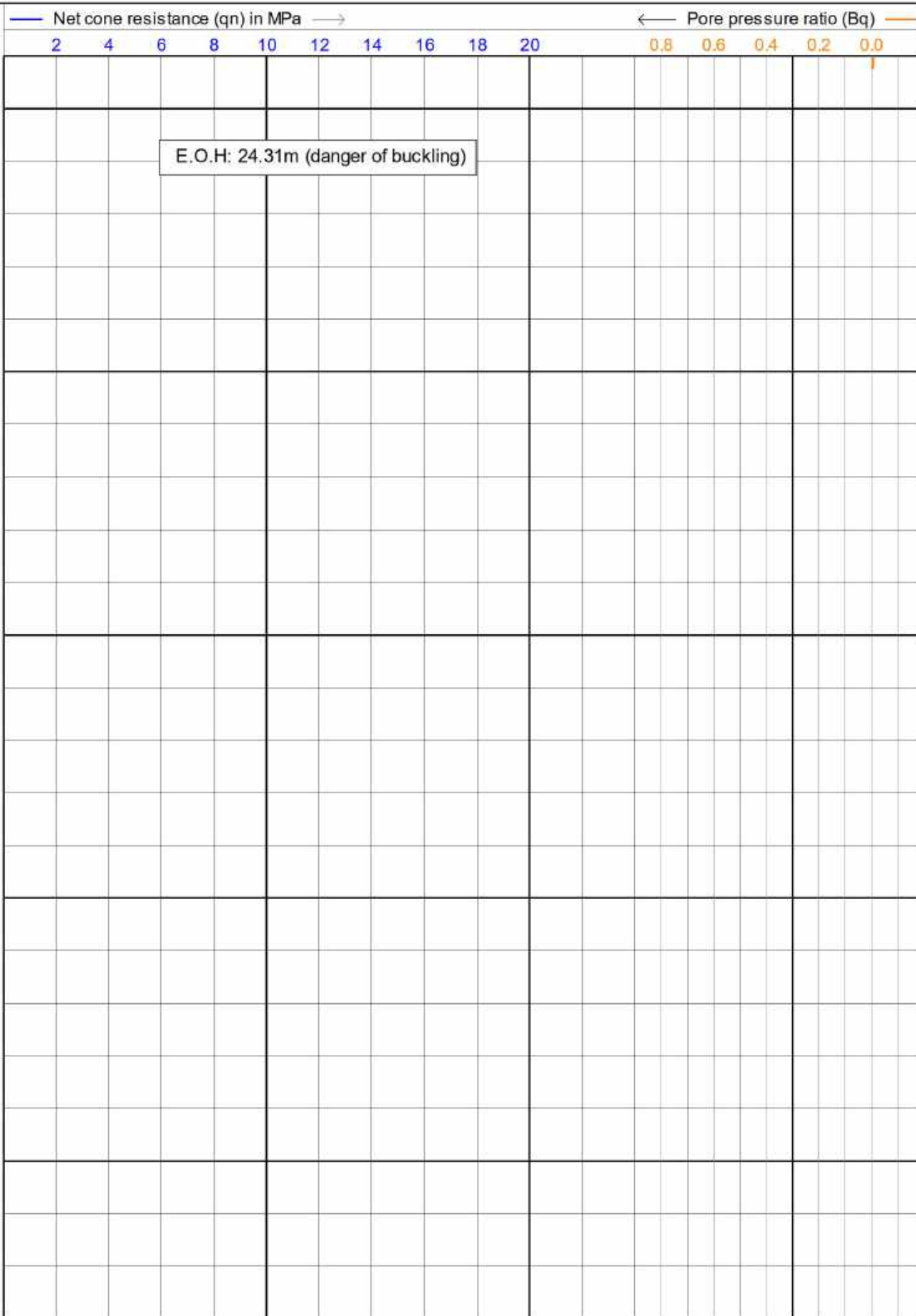
Project no. : DF21GE034

CPT no. : CPT_02 12/30

← Depth in m to reference level ()

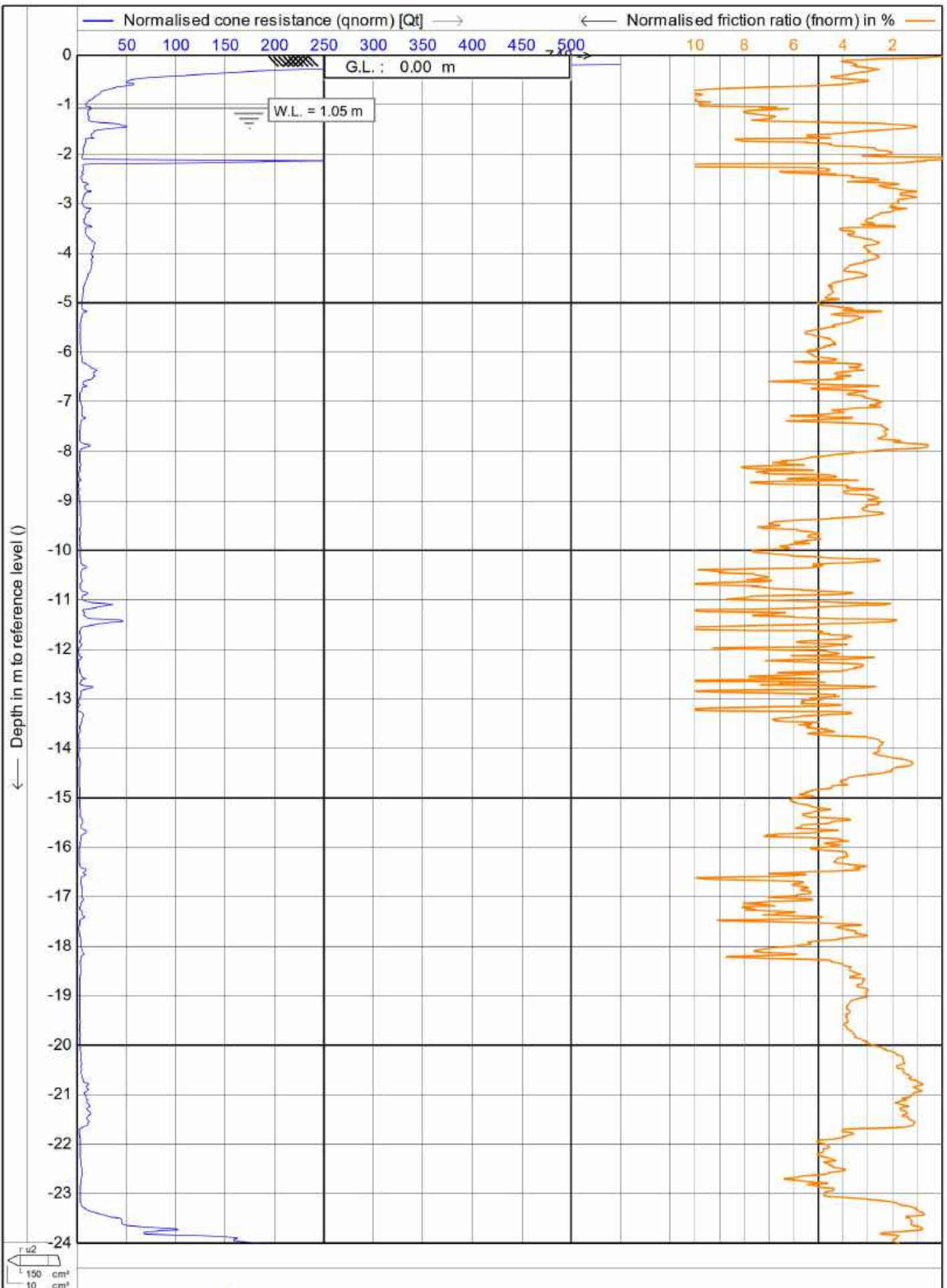


← Depth in m to reference level ()



Test according NEN 5140 class 1		Date : 14/04/2021
Project : Hamlin Rd		Cone no. : S10CFIP.S16082
Location: Hamlin Rd, Ardmore		Project no. : DF21GE034
Position: 174.96379, -37.0496 WGS 84		CPT no. : CPT_02 14/30

← Depth in m to reference level ()



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96379, -37.0496 WGS 84

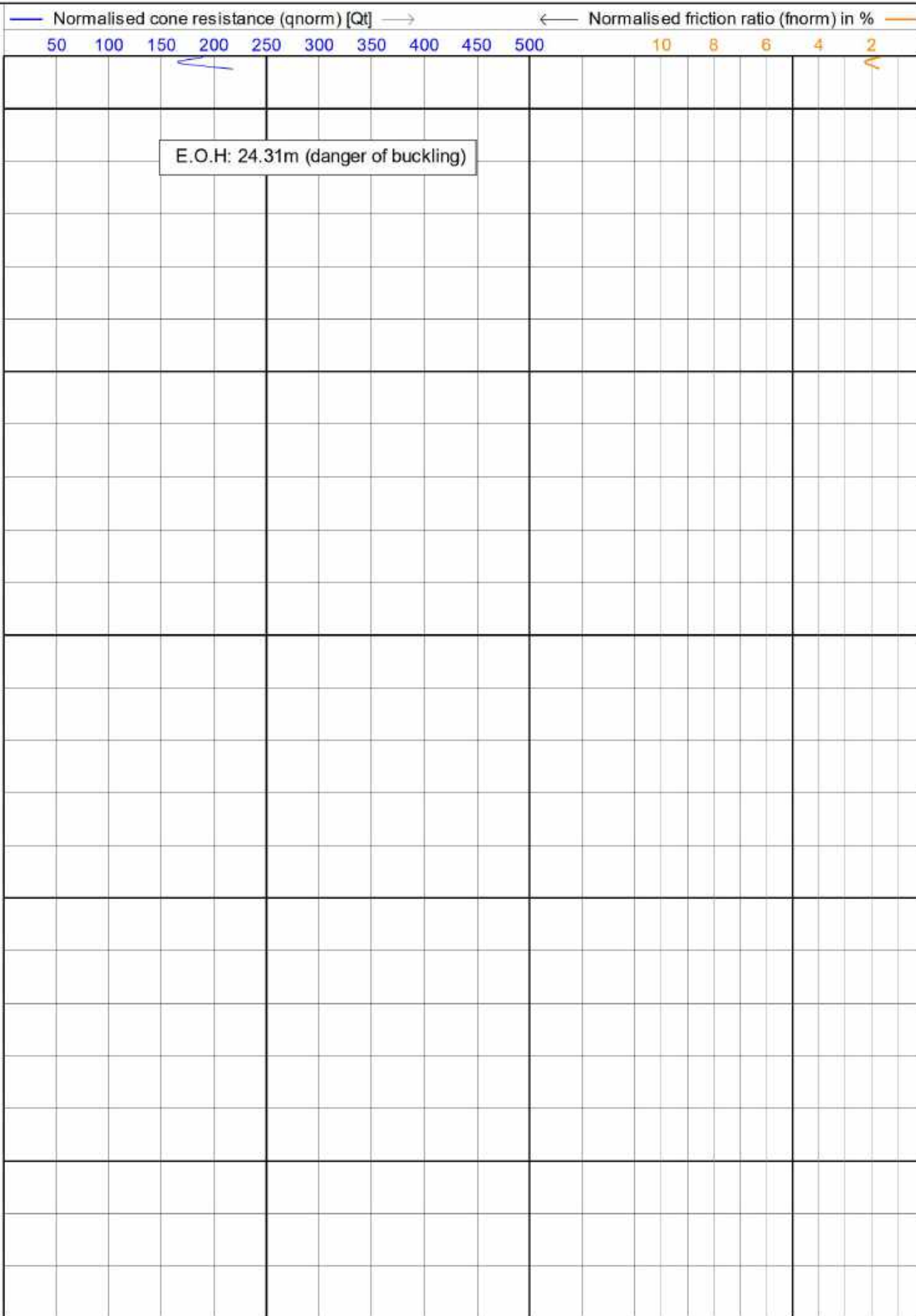
Date : 14/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_02 15/30

← Depth in m to reference level ()



Test according NEN 5140 class 1		Date : 14/04/2021	
Project : Hamlin Rd		Cone no. : S10CFIP.S16082	
Location: Hamlin Rd, Ardmore		Project no. : DF21GE034	
Position: 174.96379, -37.0496 WGS 84		CPT no. : CPT_02	16/30

← 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

W.L. = 1.05 m

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

r 2
L 150 cm
10 cm

7

6

5

4

3

2

DRILLFORCE
THE DRILLING SPECIALISTS

Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96379, -37.0496 WGS 84

Date : 14/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

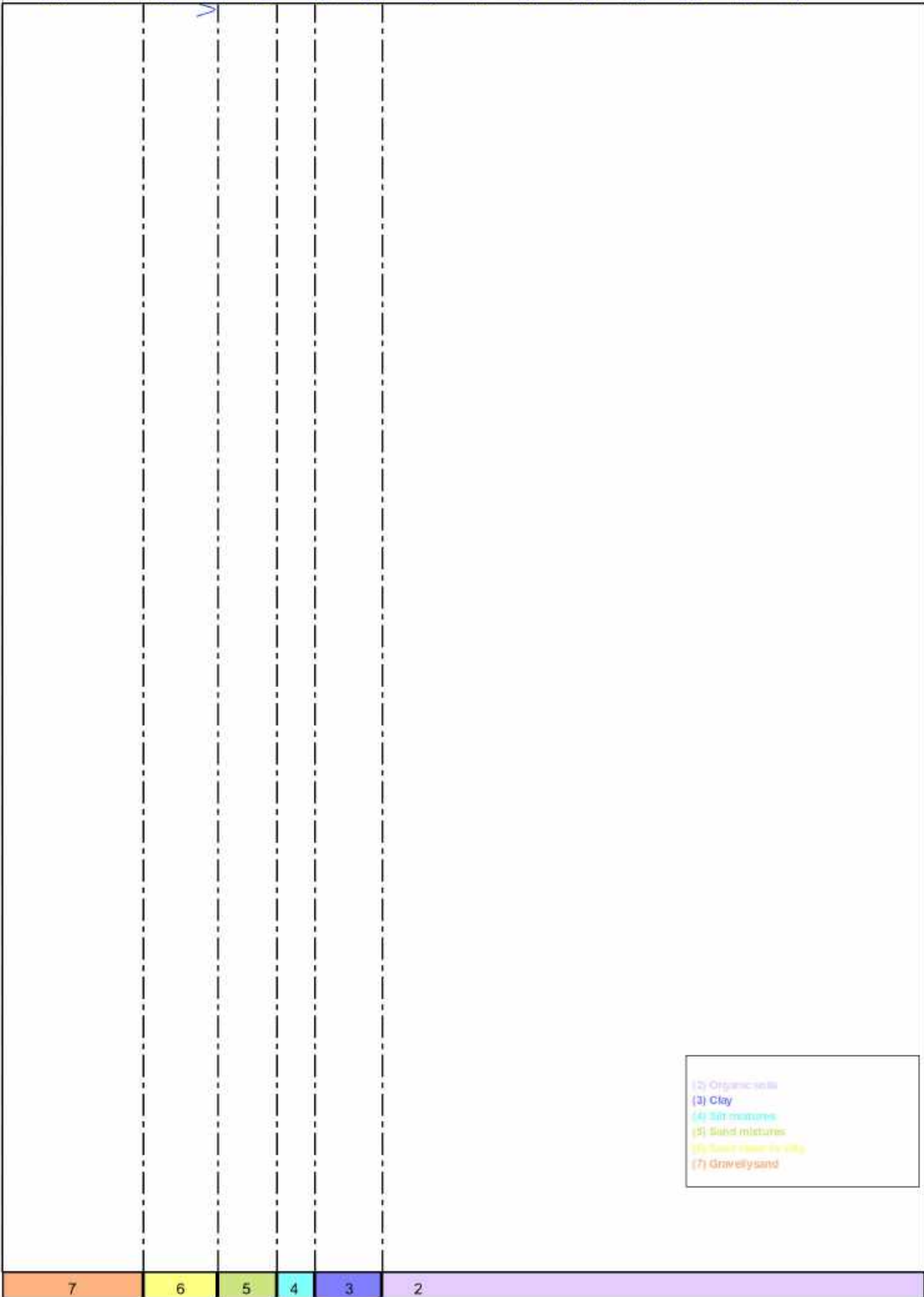
CPT no. : CPT_02 17/30

← 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
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

-24
-25
-26
-27
-28
-29
-30
-31
-32
-33
-34
-35
-36
-37
-38
-39
-40
-41
-42
-43
-44
-45
-46
-47
-48



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



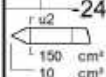
Test according NEN 5140 class 1		Date : 14/04/2021	
Project : Hamlin Rd		Cone no. : S10CFIP.S16082	
Location: Hamlin Rd, Ardmore		Project no. : DF21GE034	
Position: 174.96379, -37.0496 WGS 84		CPT no. : CPT_02	18/30

← 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

W.L. = 1.05 m



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

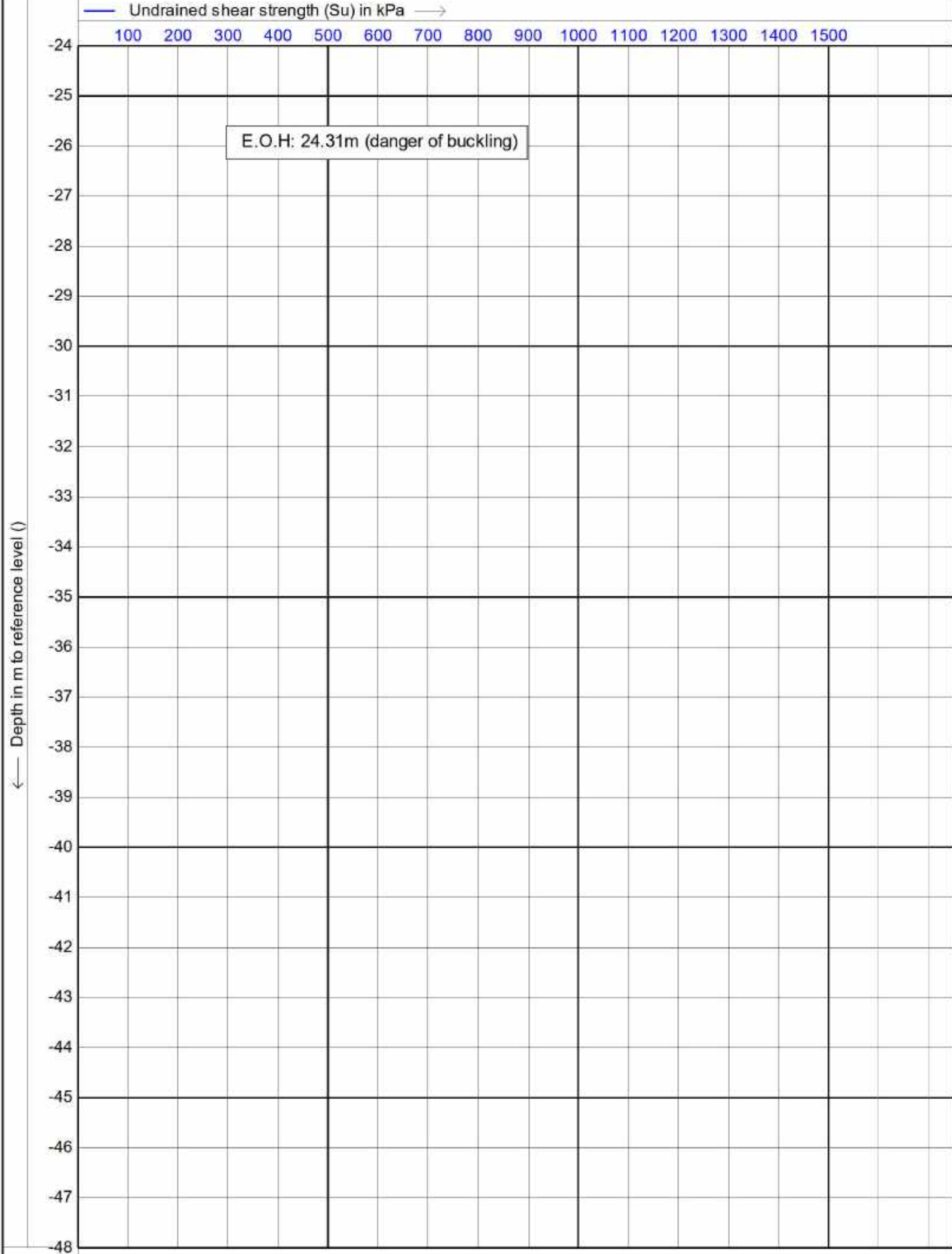
Position: 174.96379, -37.0496 WGS 84

Date : 14/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_02 19/30



Test according NEN 5140 class 1		Date : 14/04/2021
Project : Hamlin Rd		Cone no. : S10CFIP.S16082
Location: Hamlin Rd, Ardmore		Project no. : DF21GE034
Position: 174.96379, -37.0496 WGS 84		CPT no. : CPT_02 20/30

← 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

W.L. = 1.05 m



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

20 40 60 80 100 120 140



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96379, -37.0496 WGS 84

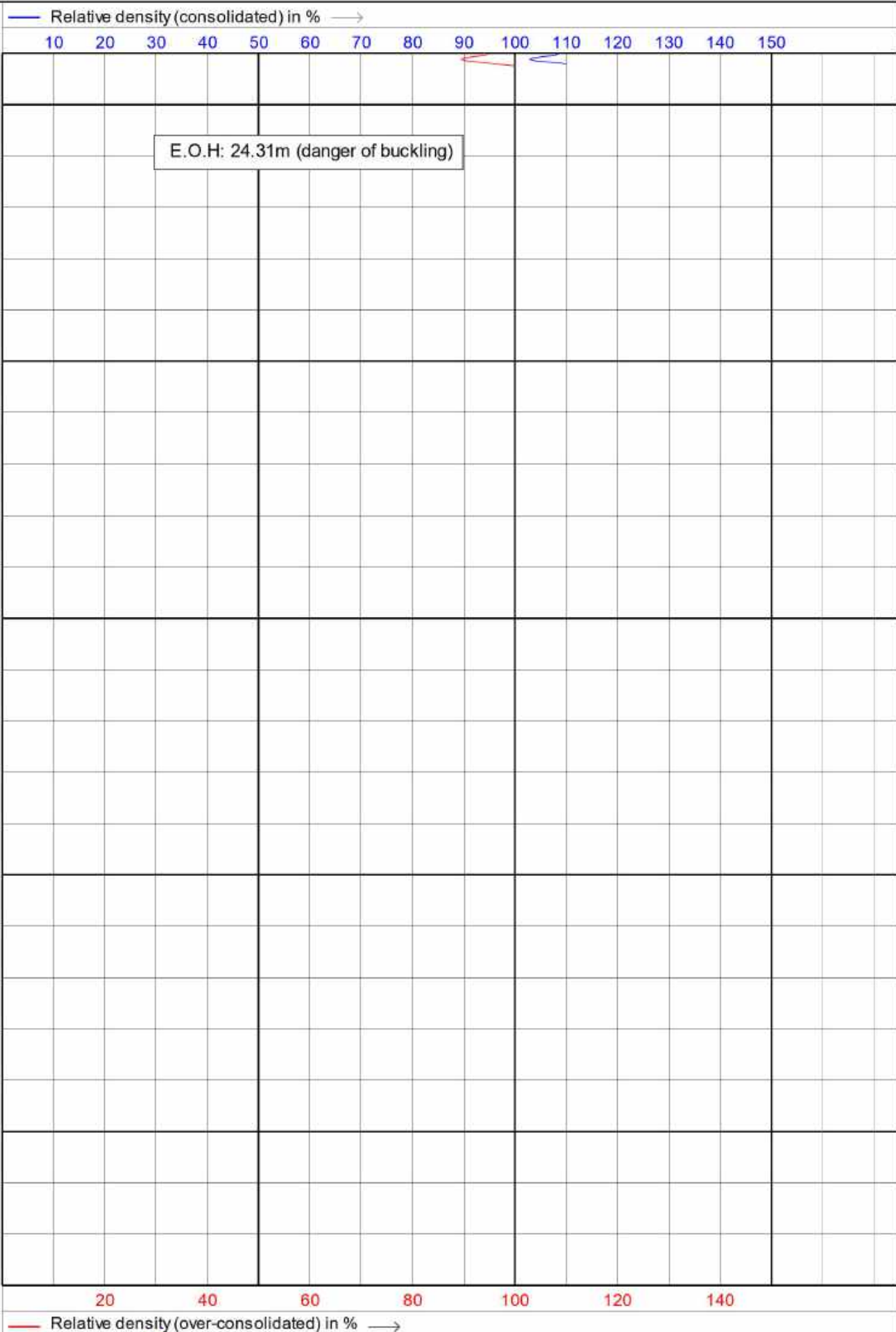
Date : 14/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_02 21/30

← Depth in m to reference level ()



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96379, -37.0496 WGS 84

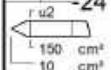
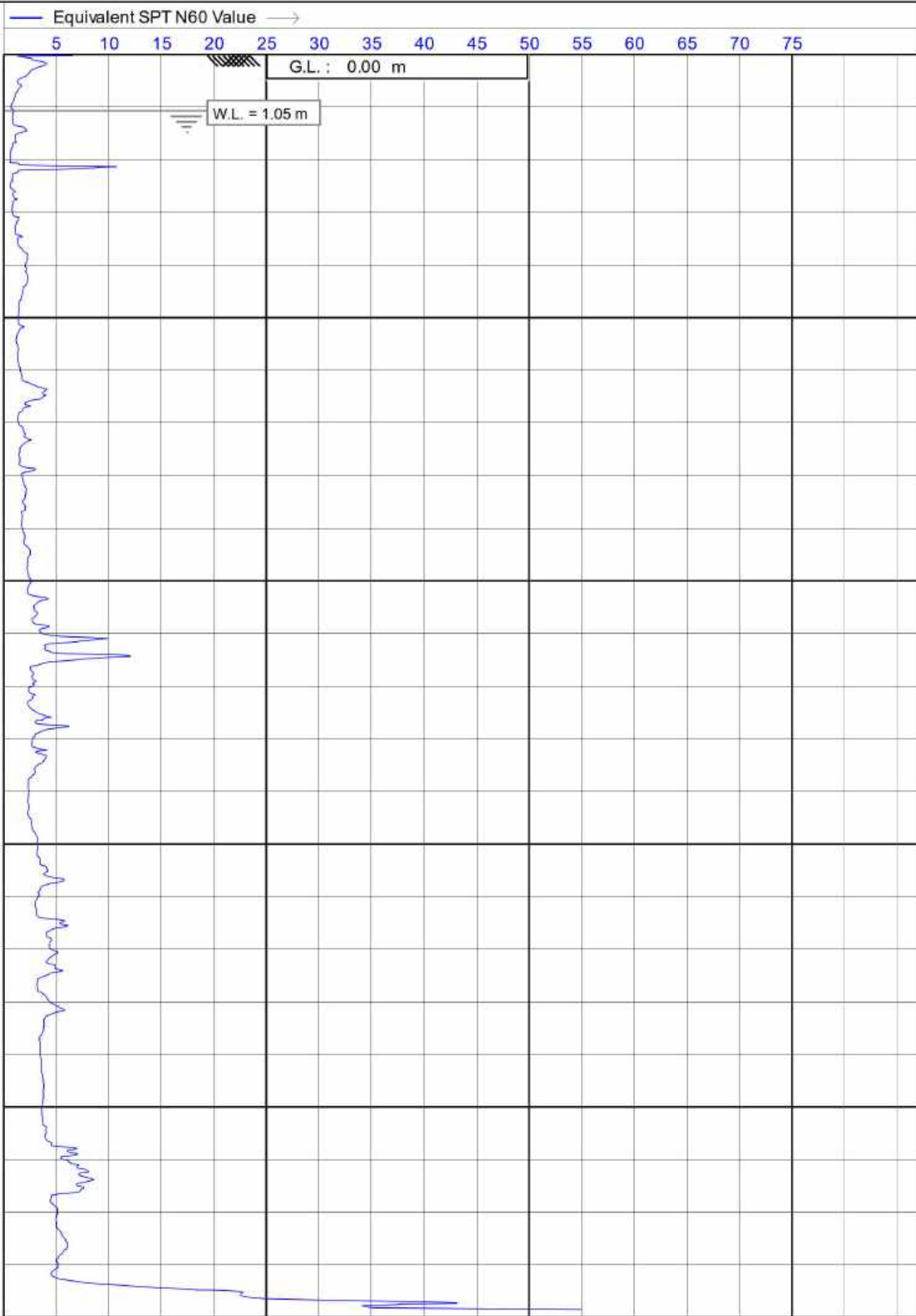
Date : 14/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_02 22/30

← Depth in m to reference level ()



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

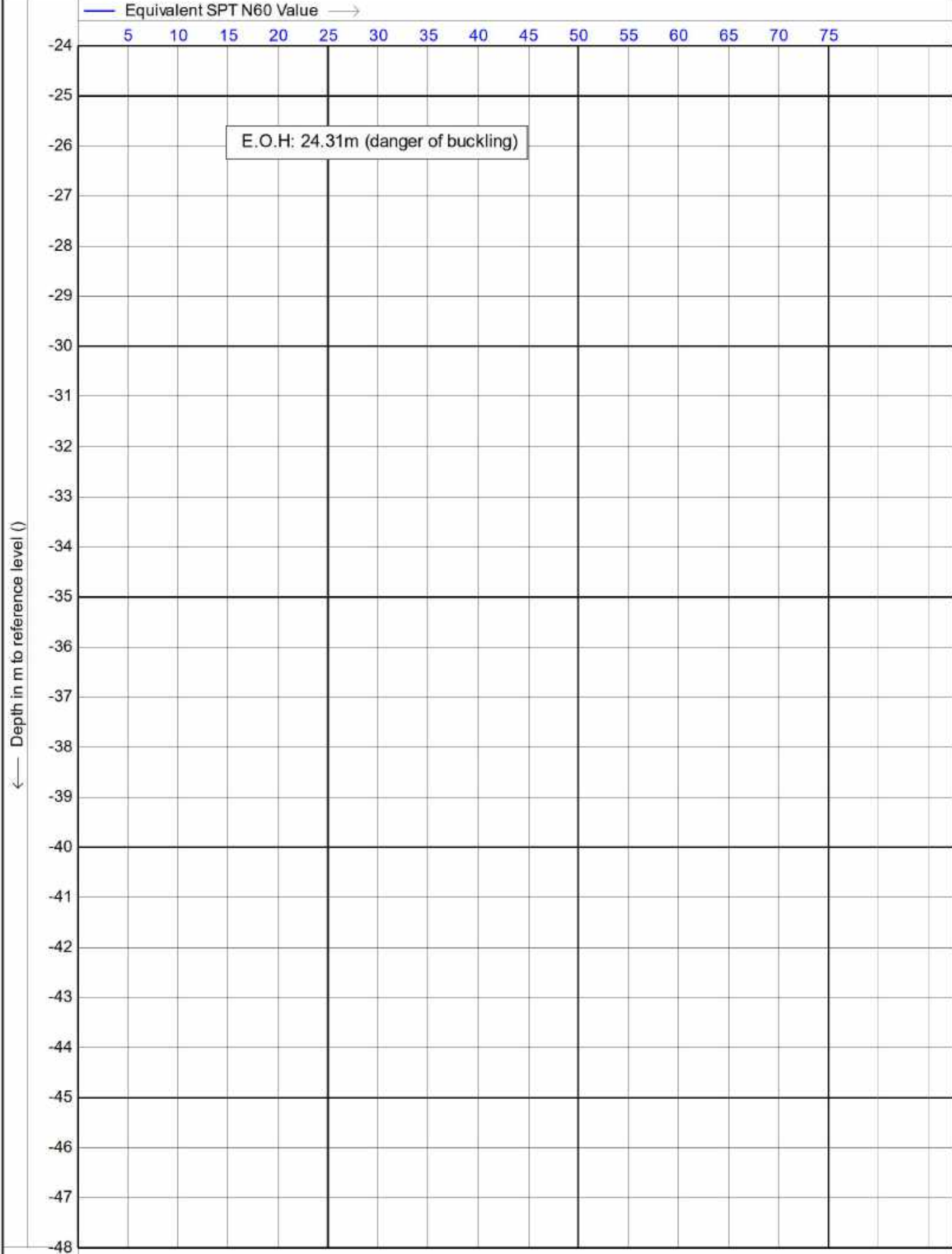
Position: 174.96379, -37.0496 WGS 84

Date : 14/04/2021

Cone no. : S10CFIP.S16082

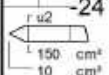
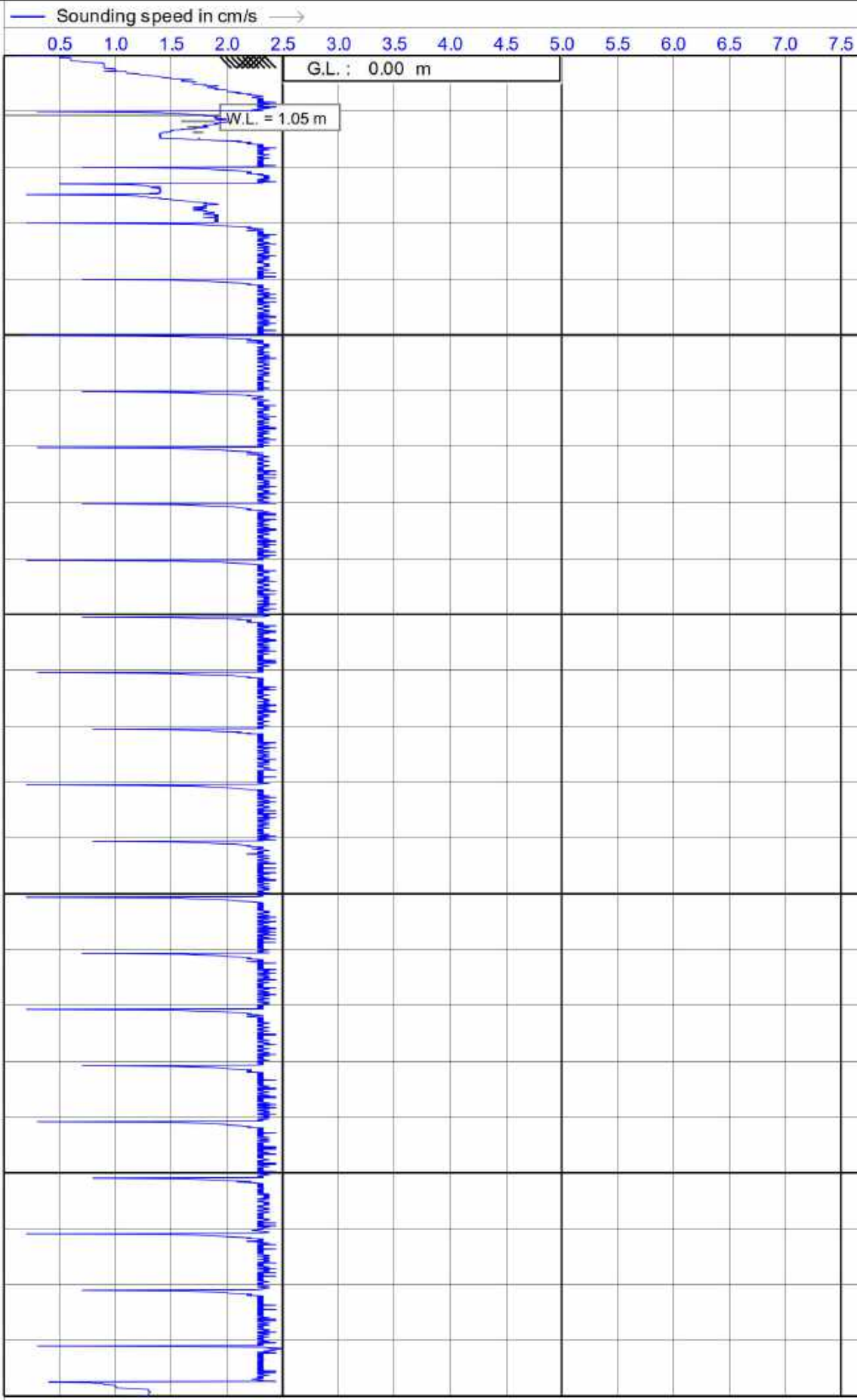
Project no. : DF21GE034

CPT no. : CPT_02 23/30



Test according NEN 5140 class 1		Date : 14/04/2021	
Project : Hamlin Rd		Cone no. : S10CFIP.S16082	
Location: Hamlin Rd, Ardmore		Project no. : DF21GE034	
Position: 174.96379, -37.0496 WGS 84		CPT no. : CPT_02	24/30

← Depth in m to reference level ()



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96379, -37.0496 WGS 84

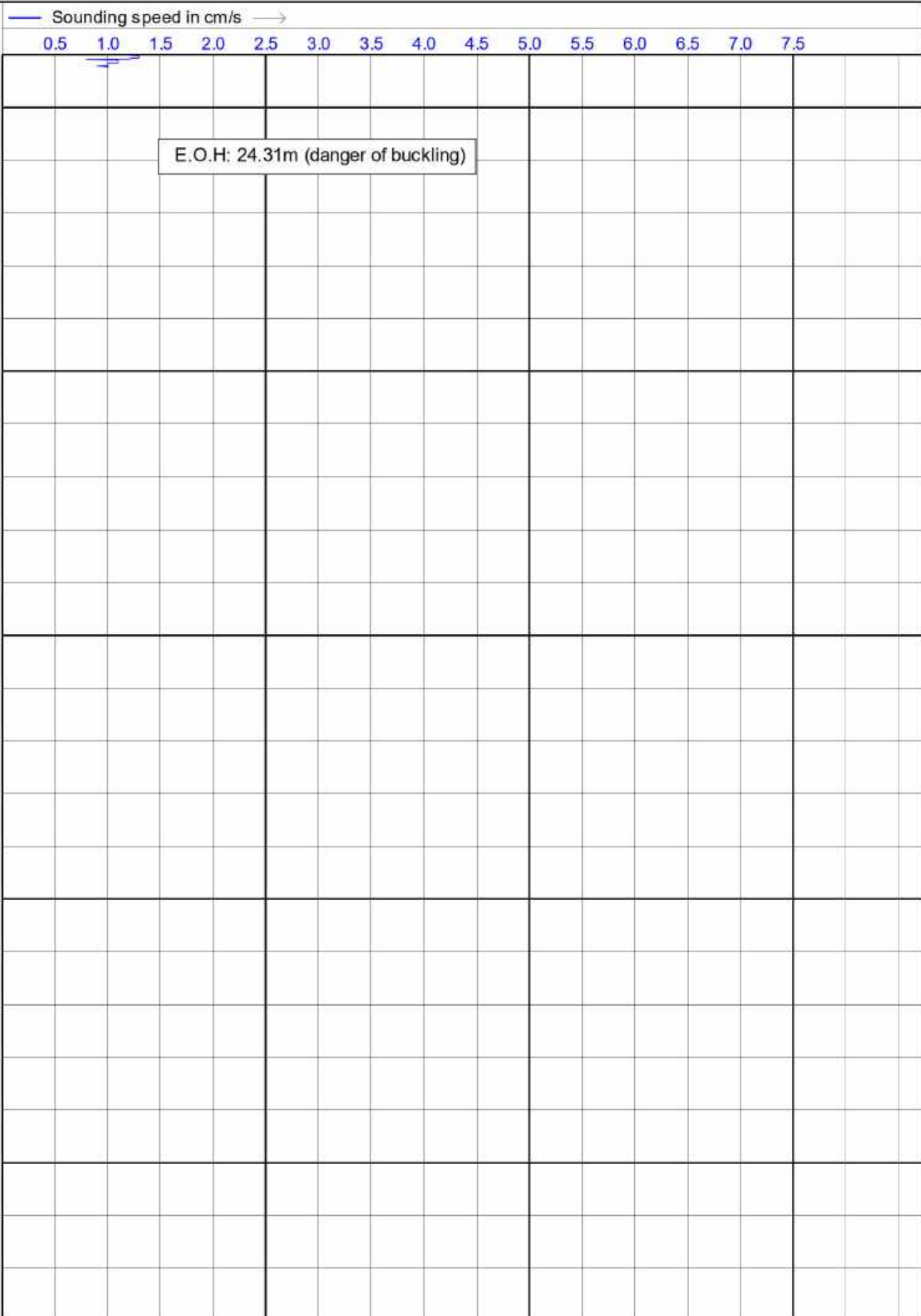
Date : 14/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_02 25/30

← Depth in m to reference level ()



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96379, -37.0496 WGS 84

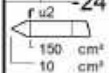
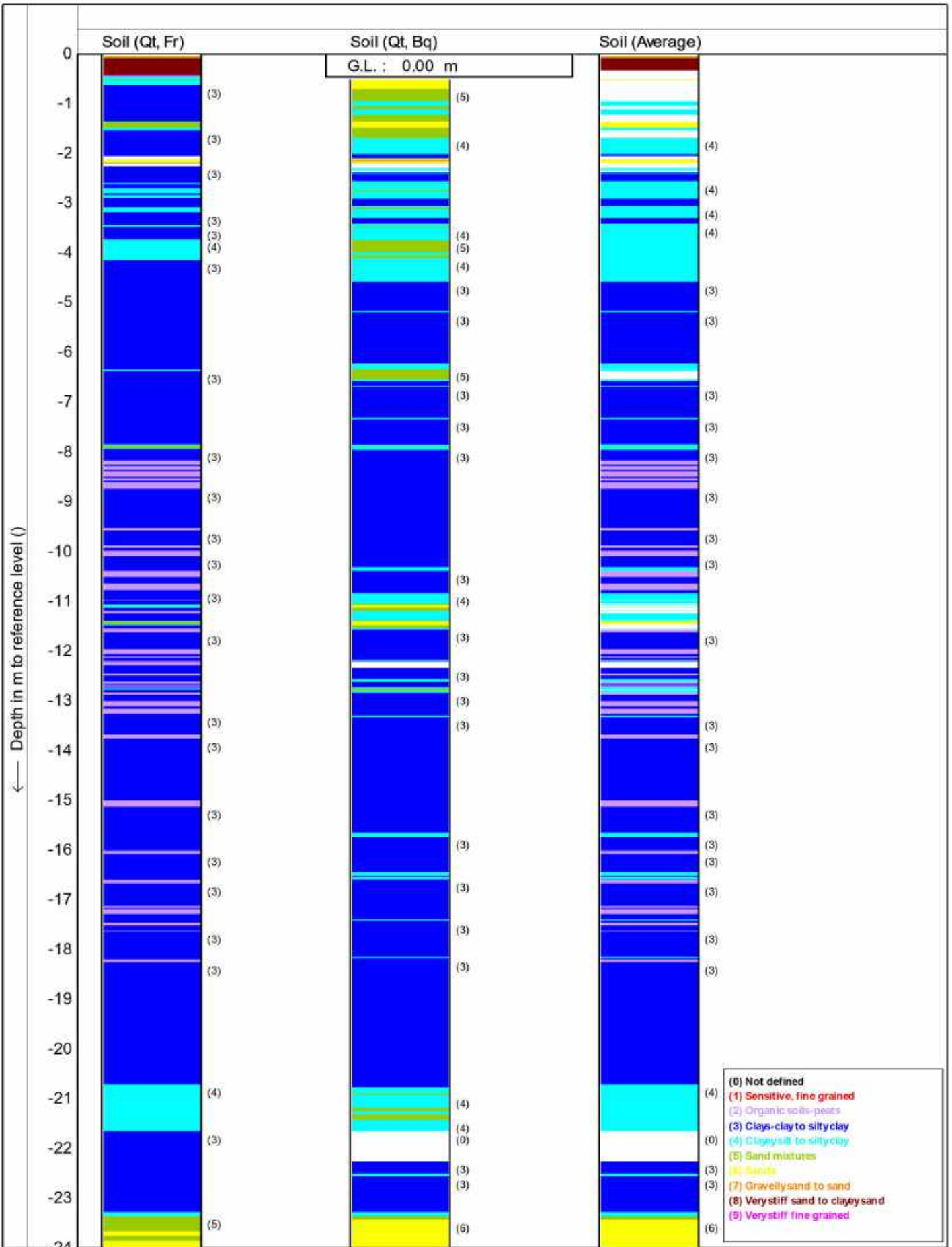
Date : 14/04/2021

Cone no. : S10CFIIP.S16082

Project no. : DF21GE034

CPT no. : CPT_02 26/30

Depth in m to reference level ()



Test according NEN 5140 class 1		Date : 14/04/2021	
Project : Hamlin Rd		Cone no. : S10CFIP.S16082	
Location: Hamlin Rd, Ardmore		Project no. : DF21GE034	
Position: 174.96379, -37.0496 WGS 84		CPT no. : CPT_02	27/30

← Depth in m to reference level ()

	Soil (Qt, Fr)	Soil (Qt, Bq)	Soil (Average)
-24	(6)		
-25			
-26			
-27			
-28			
-29			
-30			
-31			
-32			
-33			
-34			
-35			
-36			
-37			
-38			
-39			
-40			
-41			
-42			
-43			
-44			
-45			
-46			
-47			
-48			

- (0) Not defined
- (1) Sensitive, fine grained
- (2) Organic soils-peats
- (3) Clays-clay to silty clay
- (4) Clays-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



Test according NEN 5140 class 1	Date : 14/04/2021
Project : Hamlin Rd	Cone no. : S10CFIP.S16082
Location: Hamlin Rd, Ardmore	Project no. : DF21GE034
Position: 174.96379, -37.0496 WGS 84	CPT no. : CPT_02 28/30

← 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

W.L. = 1.05 m

150 cm²
10 cm²

DRILLFORCE
THE DRILLING SPECIALISTS

Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96379, -37.0496 WGS 84

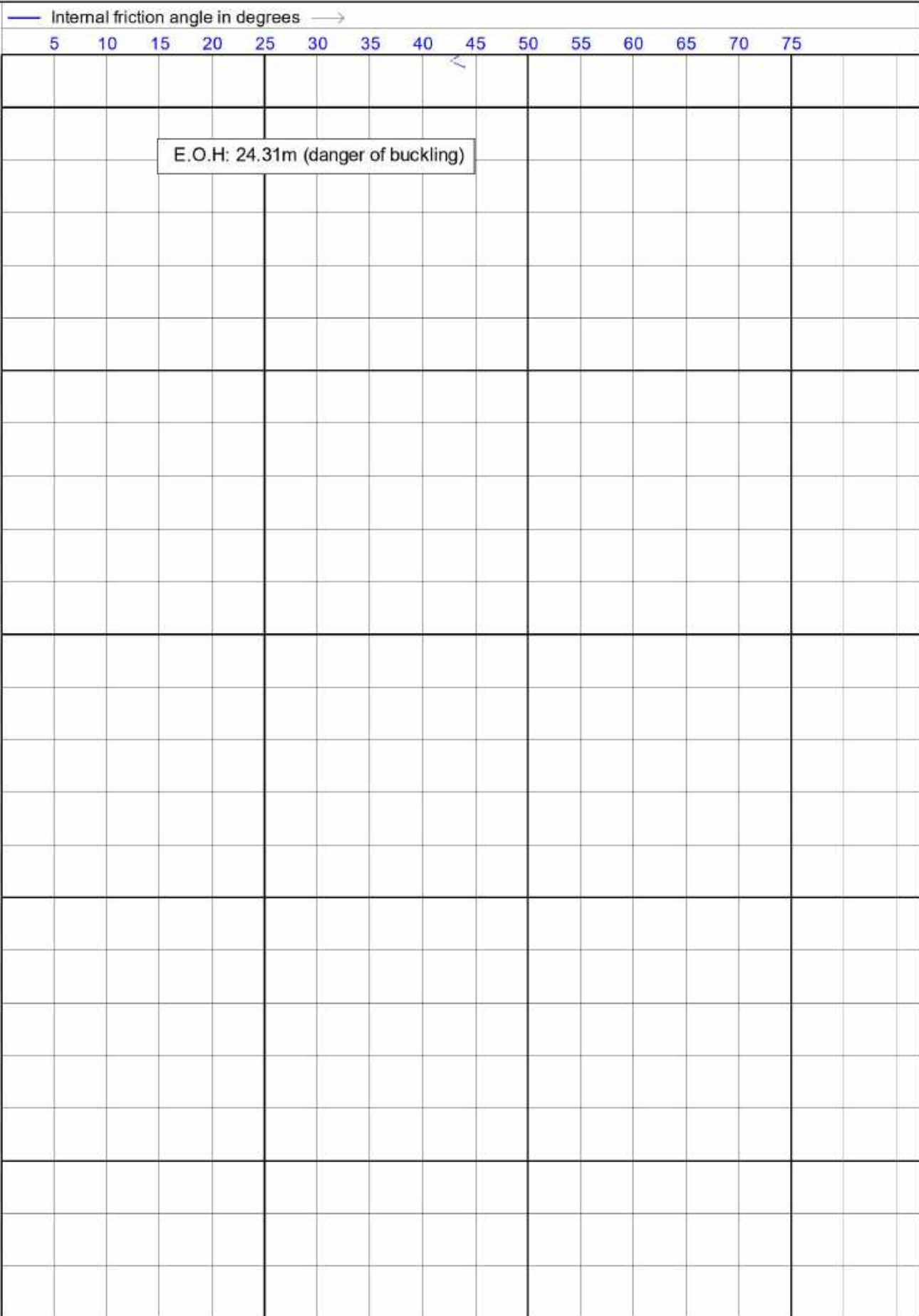
Date : 14/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

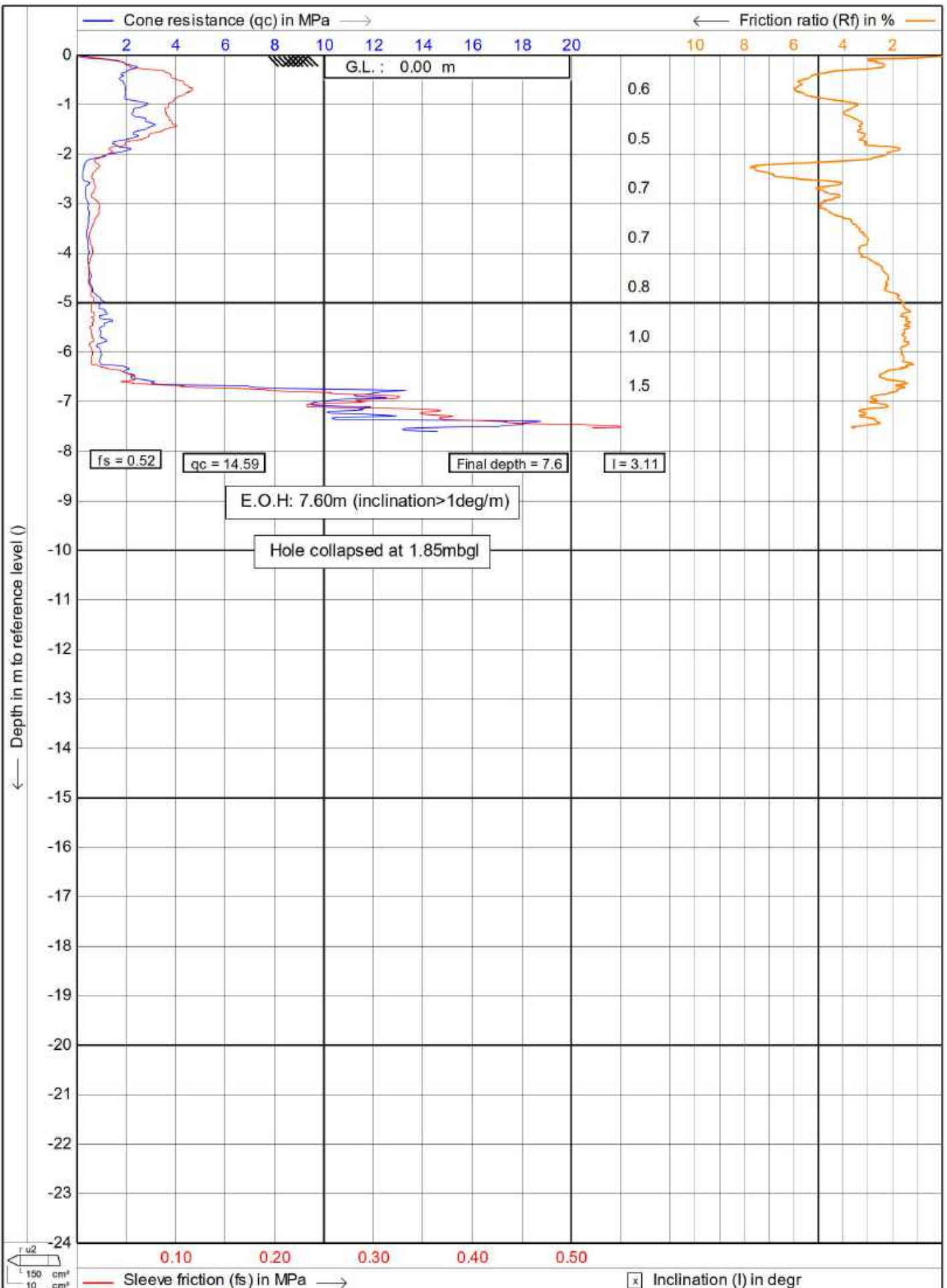
CPT no. : CPT_02 29/30

← Depth in m to reference level ()

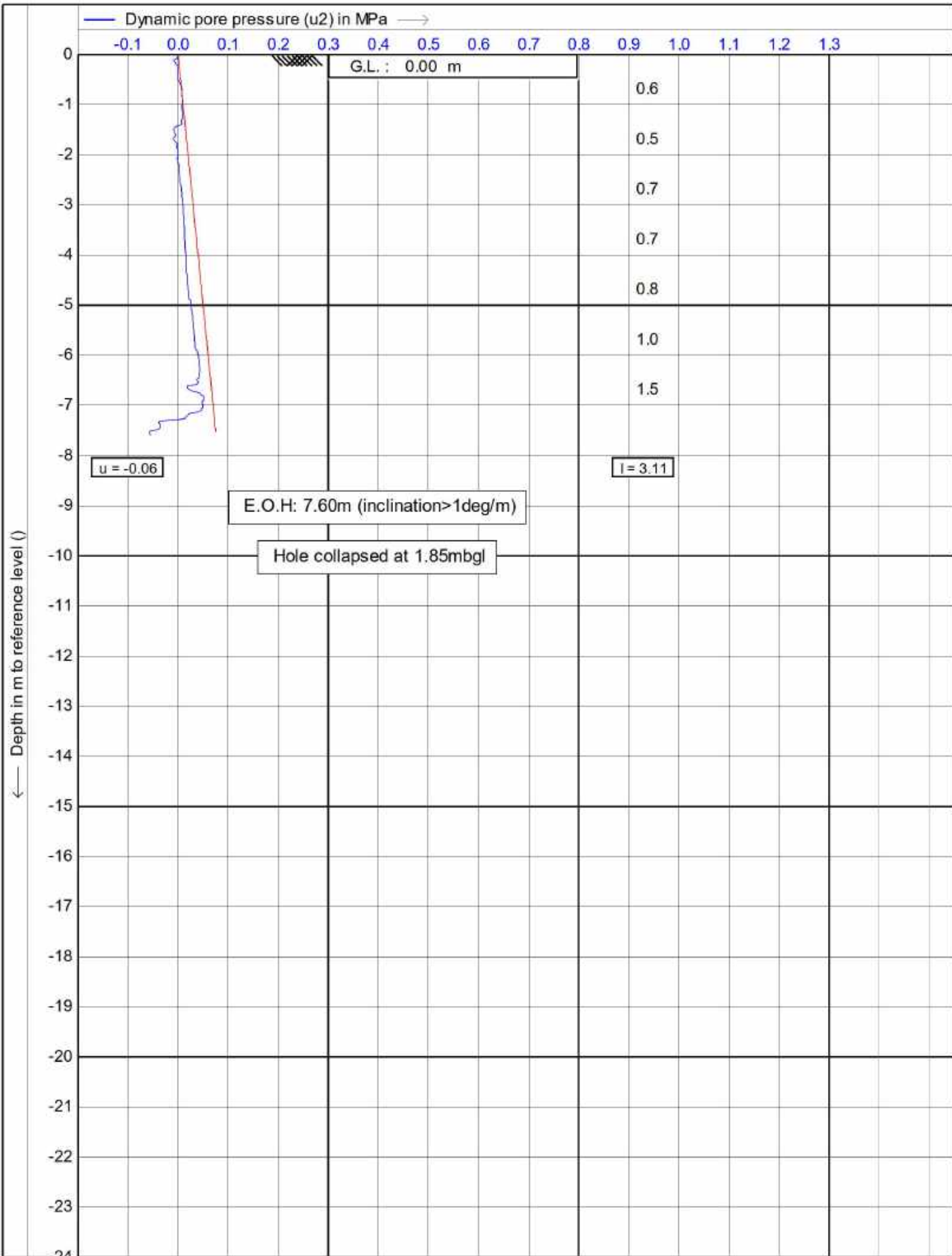


Test according NEN 5140 class 1		Date : 14/04/2021	
Project : Hamlin Rd		Cone no. : S10CFIP.S16082	
Location: Hamlin Rd, Ardmore		Project no. : DF21GE034	
Position: 174.96379, -37.0496 WGS 84		CPT no. : CPT_02	30/30

Depth in m to reference level ()



Depth in m to reference level ()



DRILLFORCE
THE DRILLING SPECIALISTS

Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96544, -37.04646 WGS 84

Date : 14/04/2021

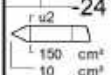
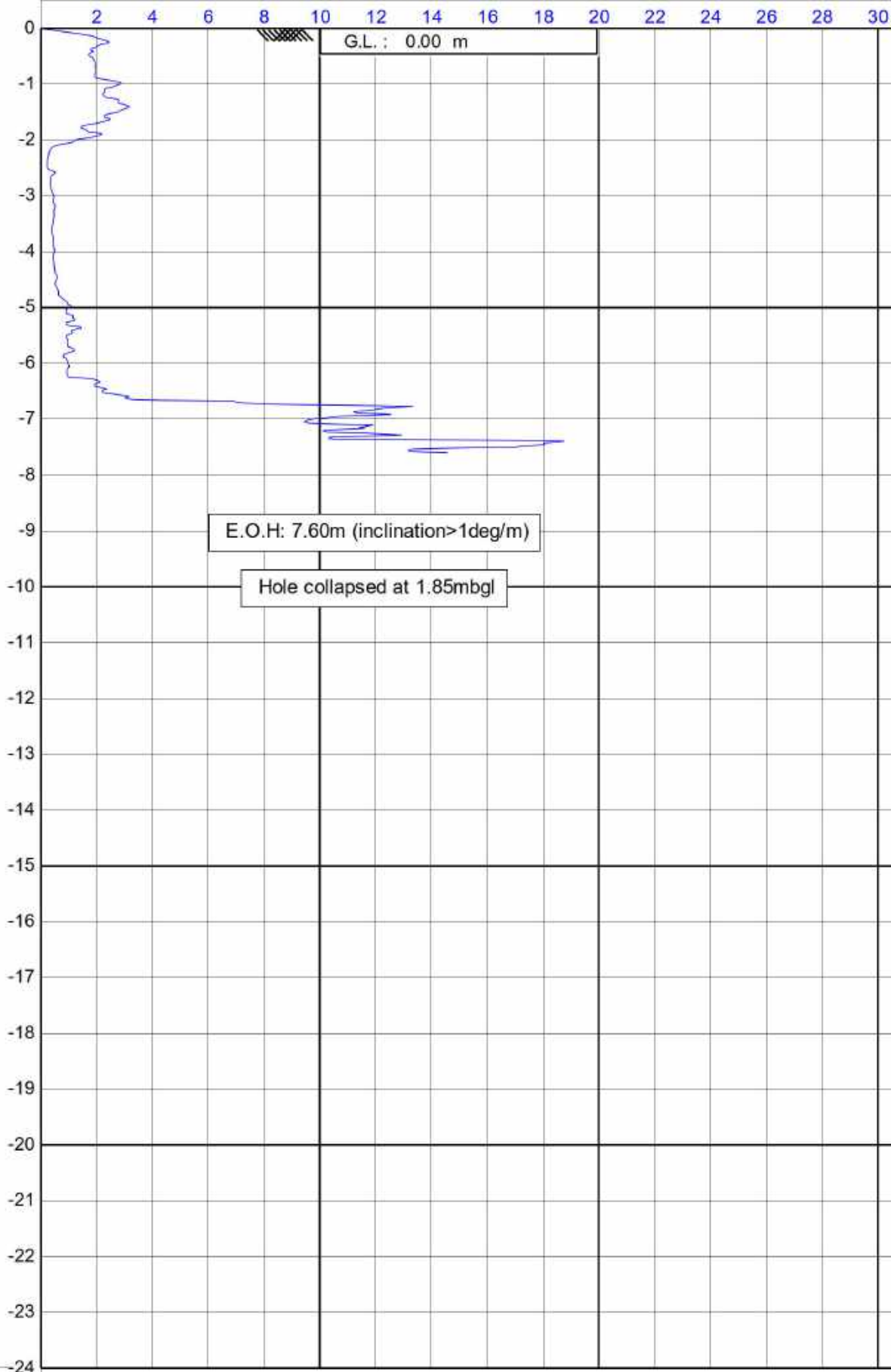
Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_03 2/15

← Depth in m to reference level ()

— Corrected cone resistance (qt) in MPa →



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96544, -37.04646 WGS 84

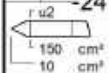
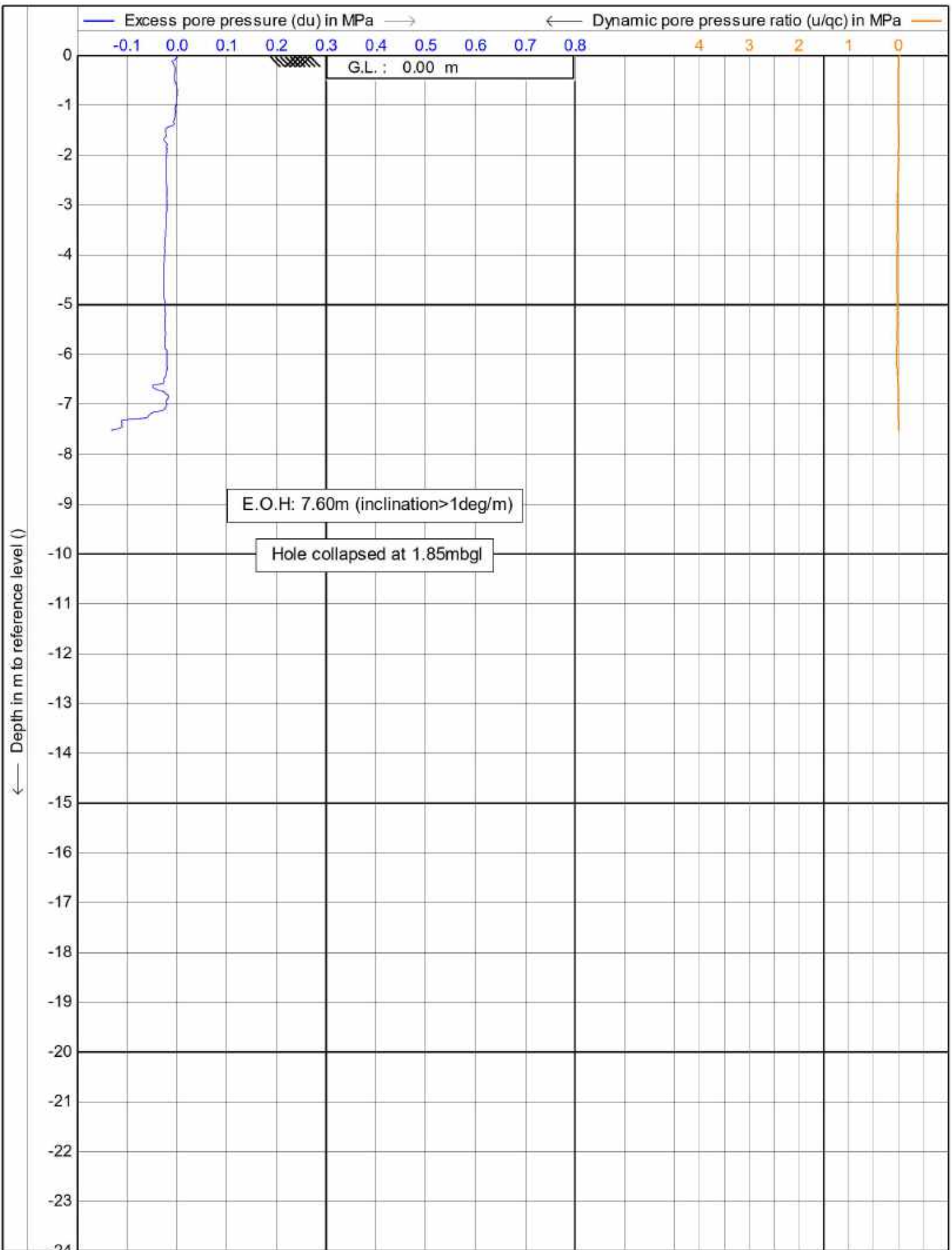
Date : 14/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_03 3/15

Depth in m to reference level ()



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96544, -37.04646 WGS 84

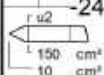
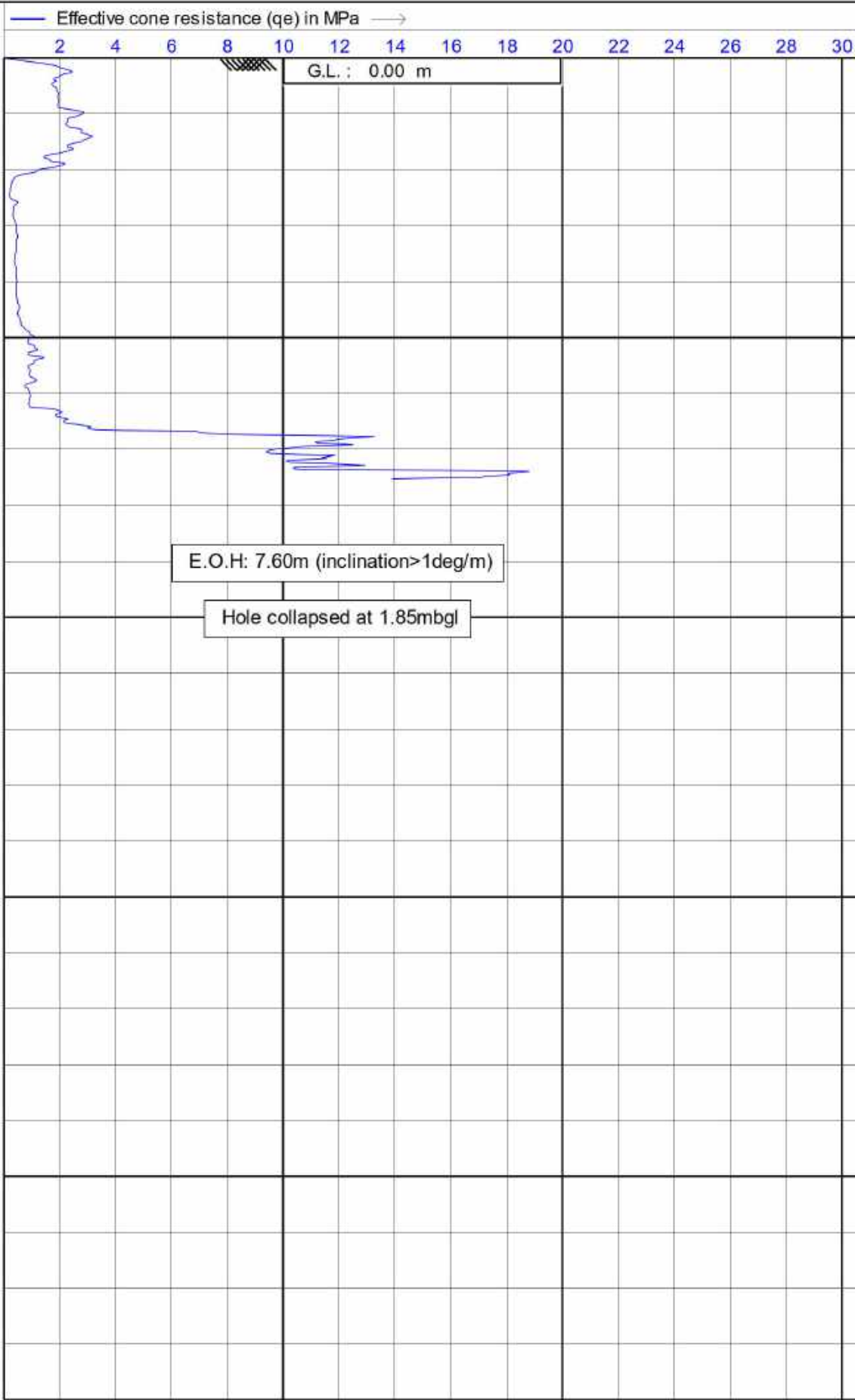
Date : 14/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_03 4/15

← Depth in m to reference level ()



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96544, -37.04646 WGS 84

Date : 14/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_03 5/15

← 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

E.O.H: 7.60m (inclination>1deg/m)

Hole collapsed at 1.85mbgl

100

200

300

400

500

600

700

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



DRILLFORCE
THE DRILLING SPECIALISTS

Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96544, -37.04646 WGS 84

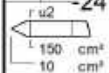
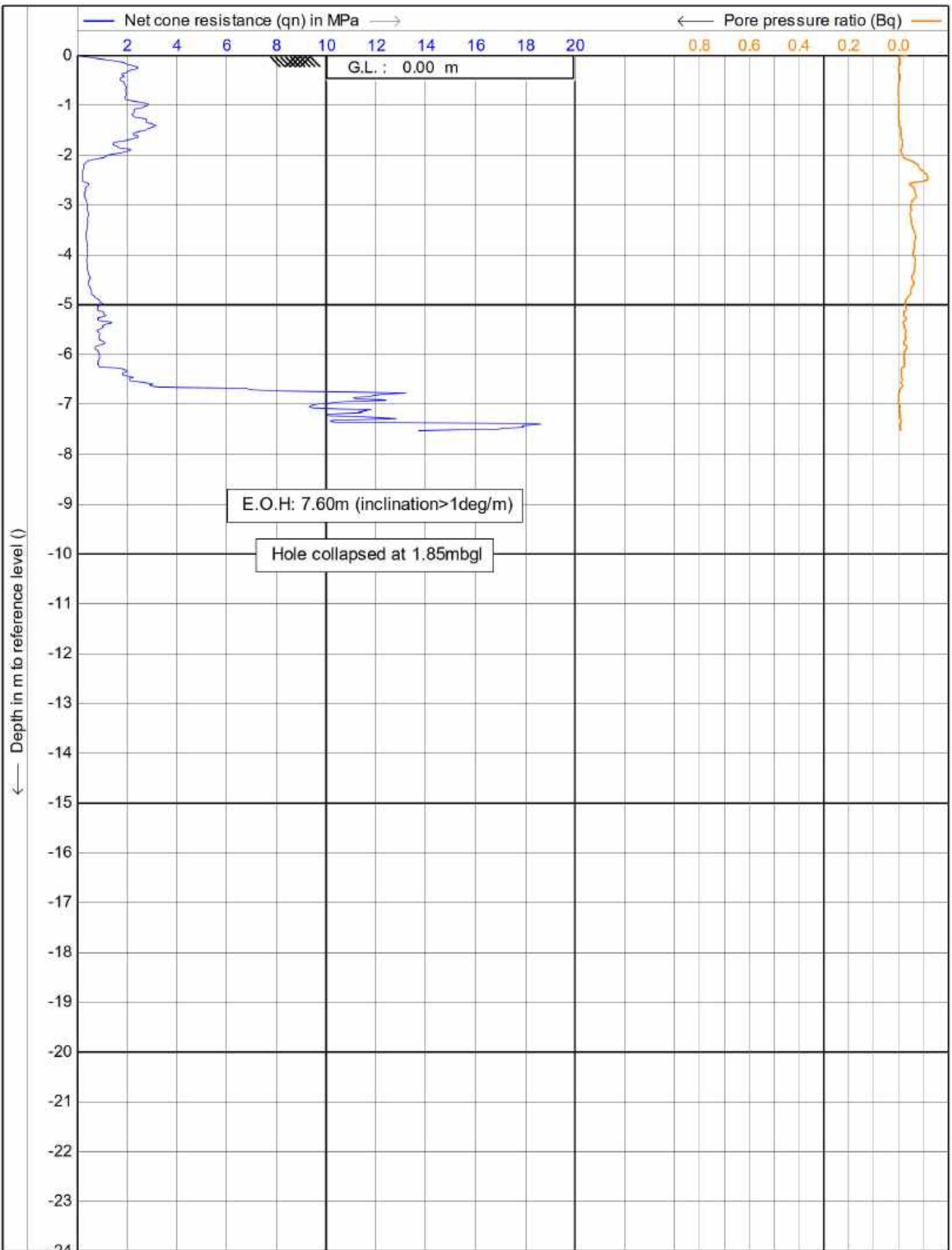
Date : 14/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_03 6/15

← Depth in m to reference level ()



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96544, -37.04646 WGS 84

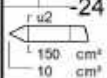
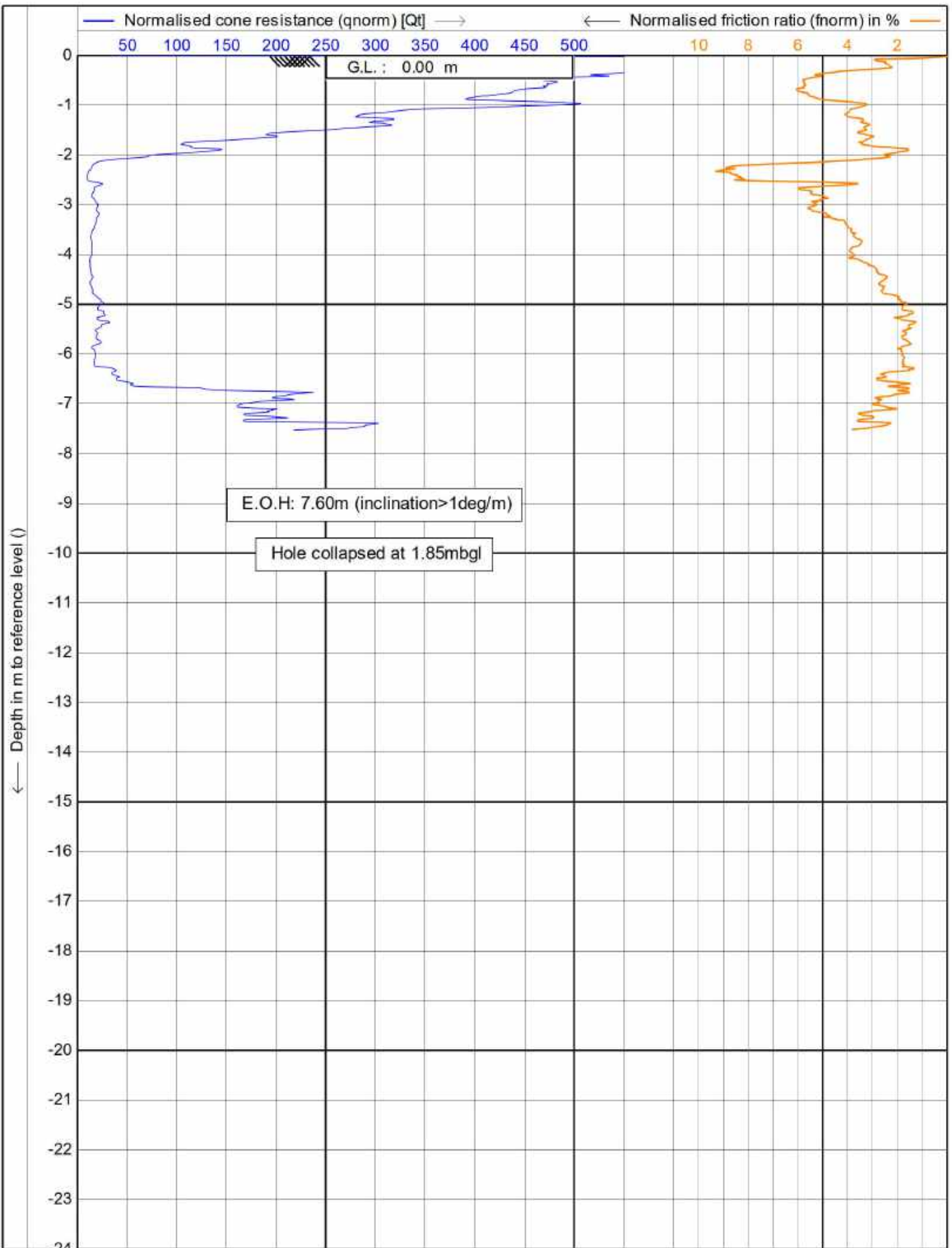
Date : 14/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_03 7/15

← Depth in m to reference level ()



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96544, -37.04646 WGS 84

Date : 14/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_03 8/15

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

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

r 2
L 150 cm²
10 cm³

7

6

5

4

3

2

DRILLFORCE
THE DRILLING SPECIALISTS

Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96544, -37.04646 WGS 84

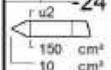
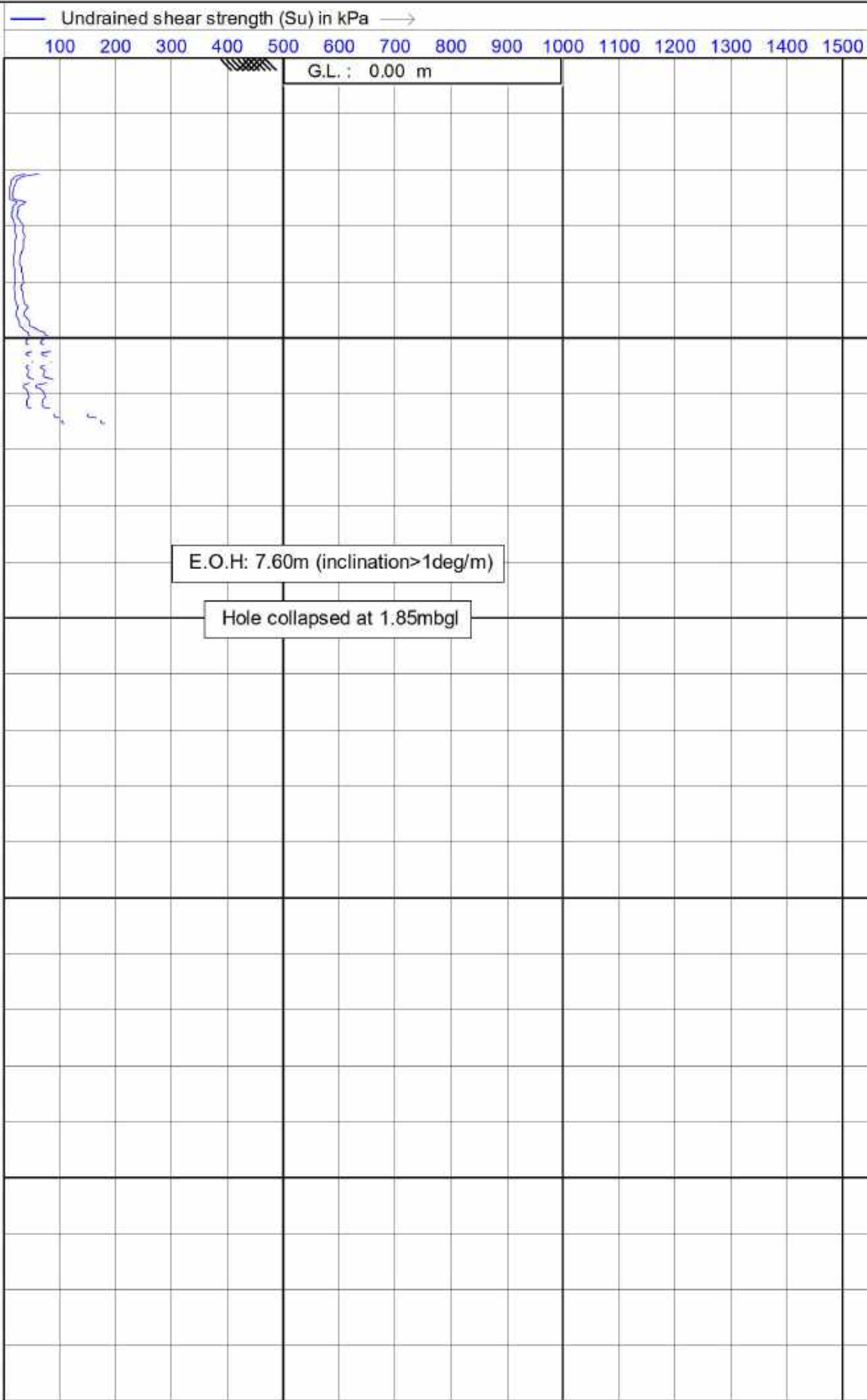
Date : 14/04/2021

Cone no. : S10CFIP.S16082

Project no. : **DF21GE034**

CPT no. : **CPT_03** 9/15

← Depth in m to reference level ()



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96544, -37.04646 WGS 84

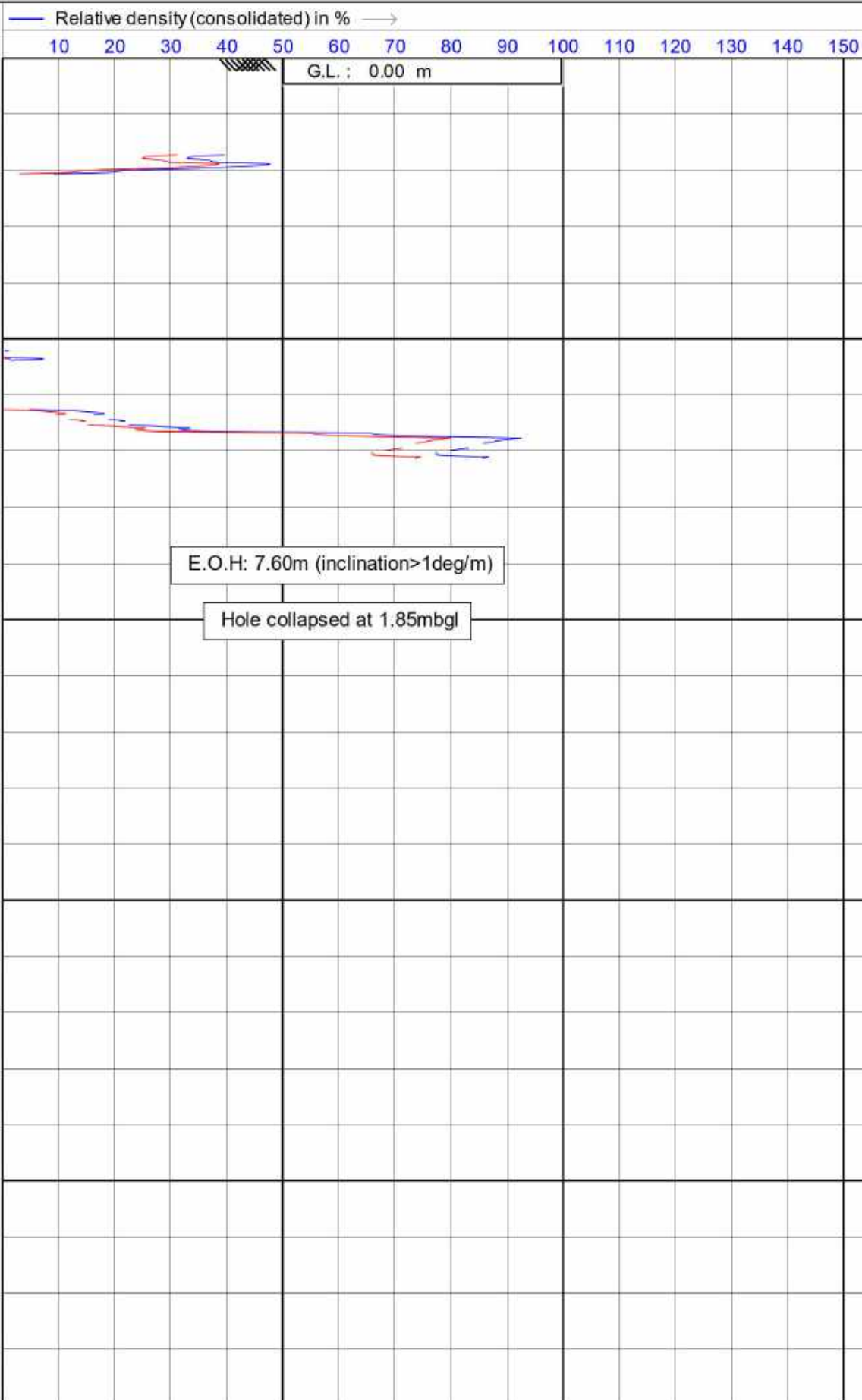
Date : 14/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_03 10/15

← Depth in m to reference level ()



DRILLFORCE
THE DRILLING SPECIALISTS

Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96544, -37.04646 WGS 84

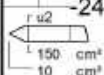
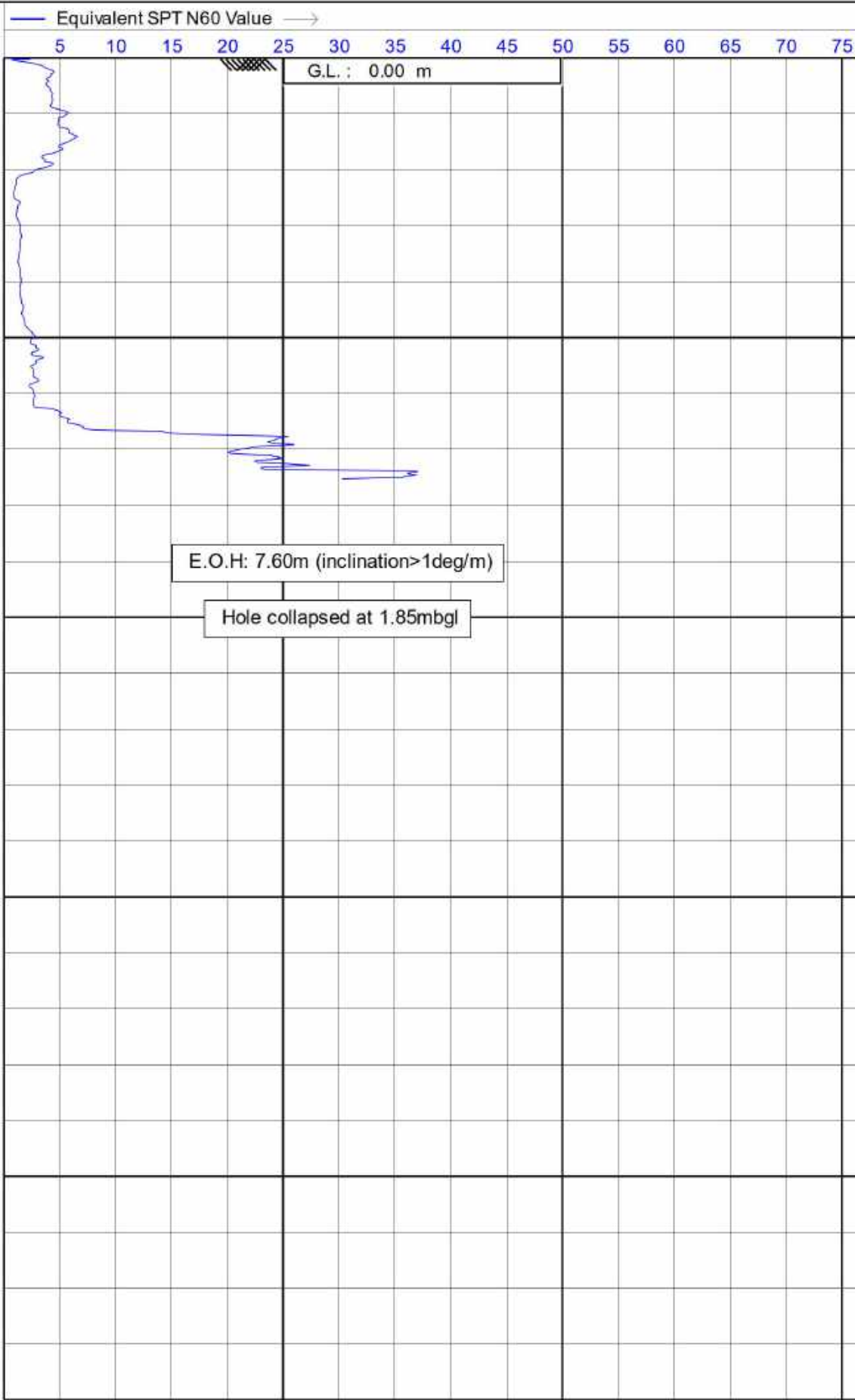
Date : 14/04/2021

Cone no. : S10CFIP.S16082

Project no. : **DF21GE034**

CPT no. : **CPT_03** 11/15

← Depth in m to reference level ()



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96544, -37.04646 WGS 84

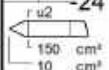
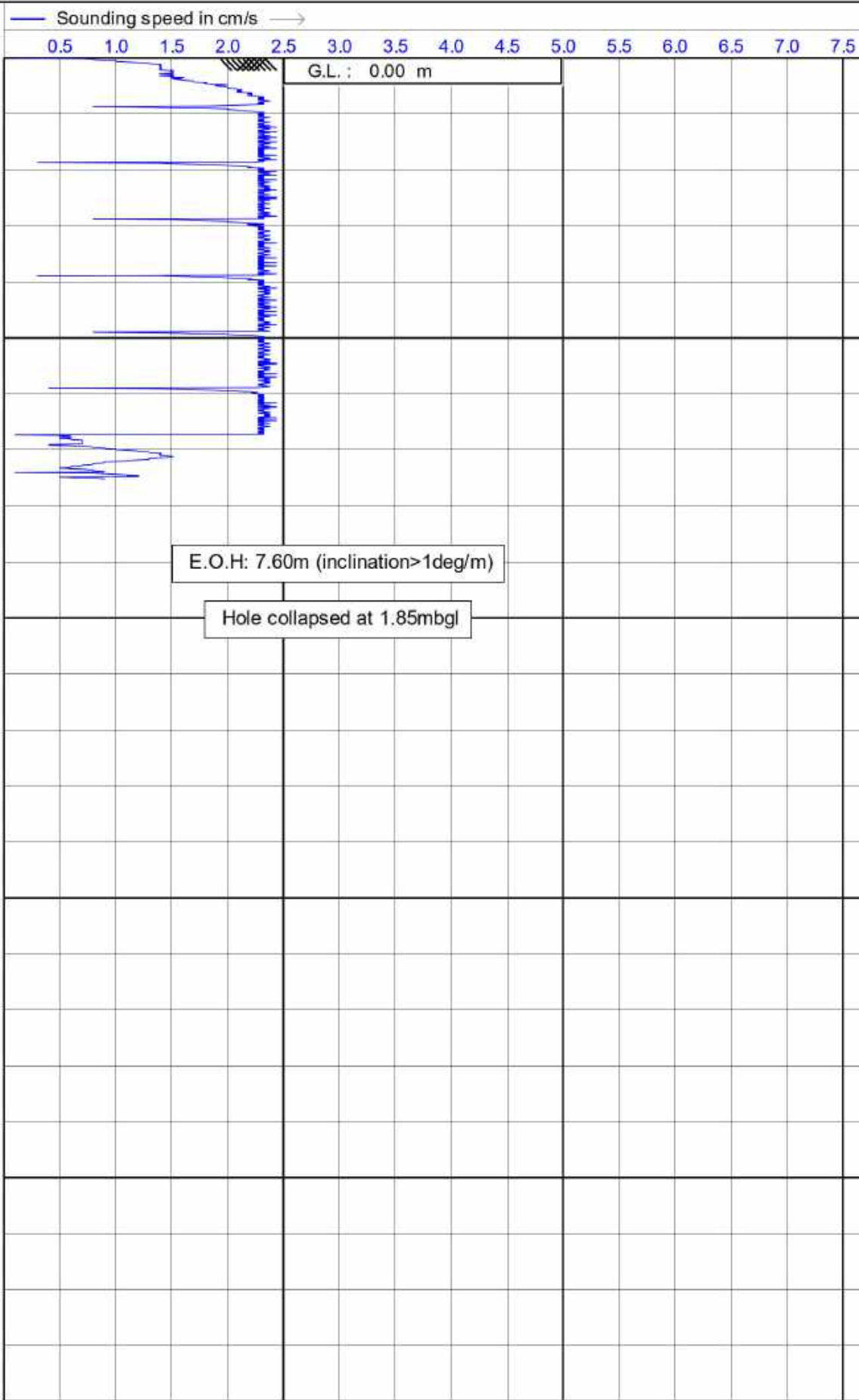
Date : 14/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_03 12/15

← Depth in m to reference level ()



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

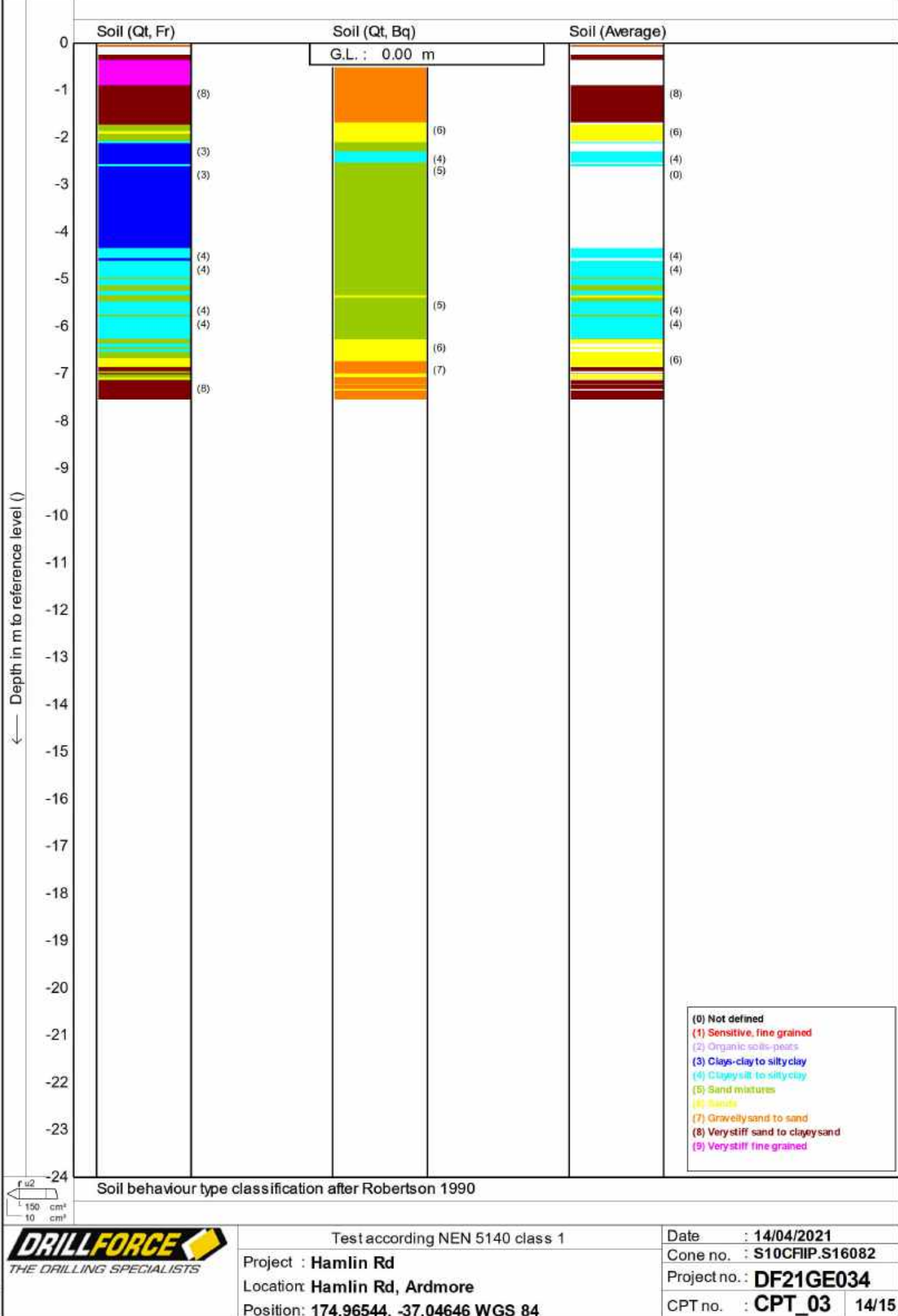
Position: 174.96544, -37.04646 WGS 84

Date : 14/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_03 13/15



← Depth in m to reference level ()

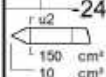
Internal friction angle in degrees →

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

G.L. : 0.00 m

E.O.H: 7.60m (inclination>1deg/m)

Hole collapsed at 1.85mbgl



DRILLFORCE
THE DRILLING SPECIALISTS

Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96544, -37.04646 WGS 84

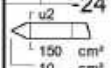
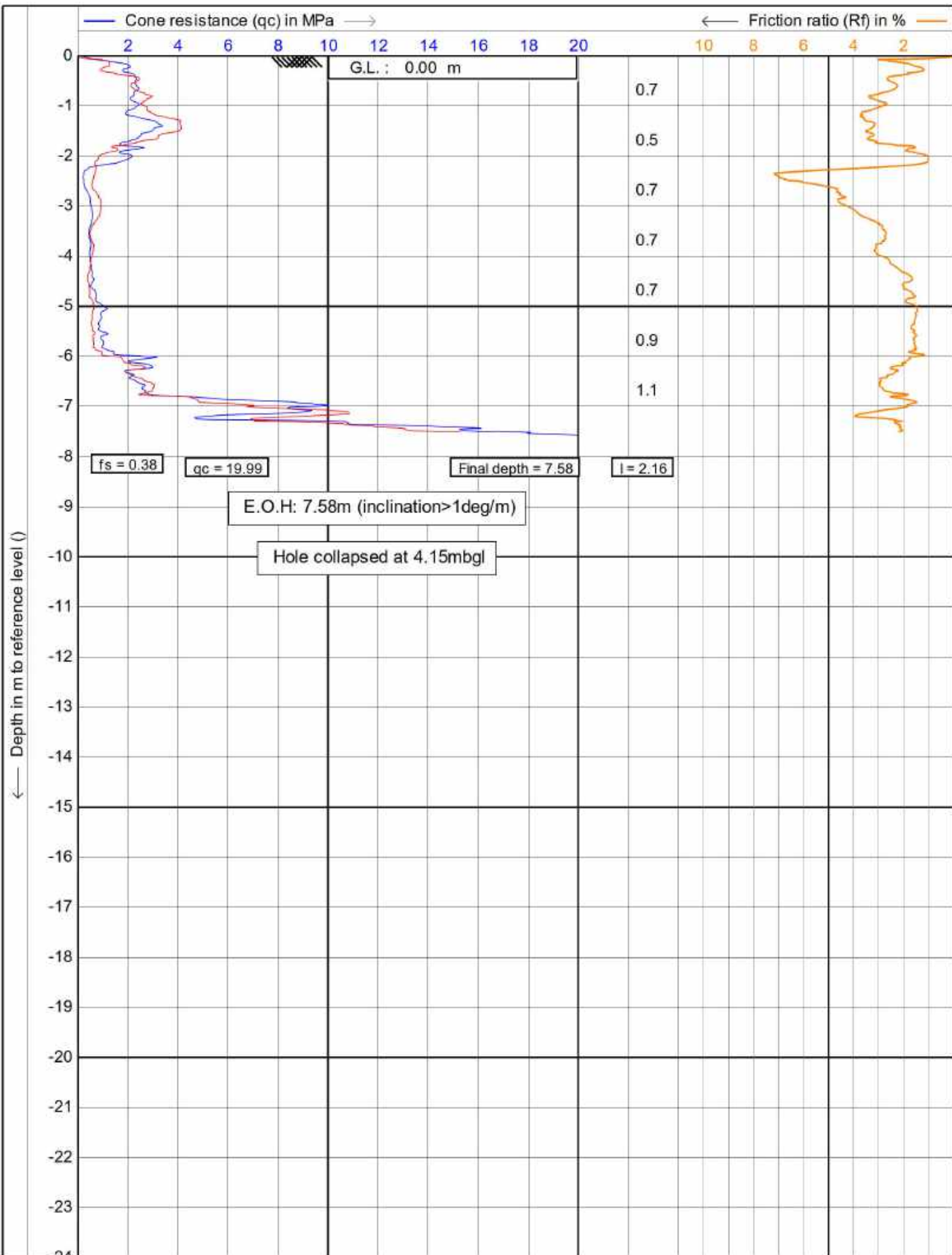
Date : 14/04/2021

Cone no. : S10CFIP.S16082

Project no. : **DF21GE034**

CPT no. : **CPT_03** 15/15

Depth in m to reference level ()



DRILLFORCE
THE DRILLING SPECIALISTS

Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96544, -37.04646 WGS 84

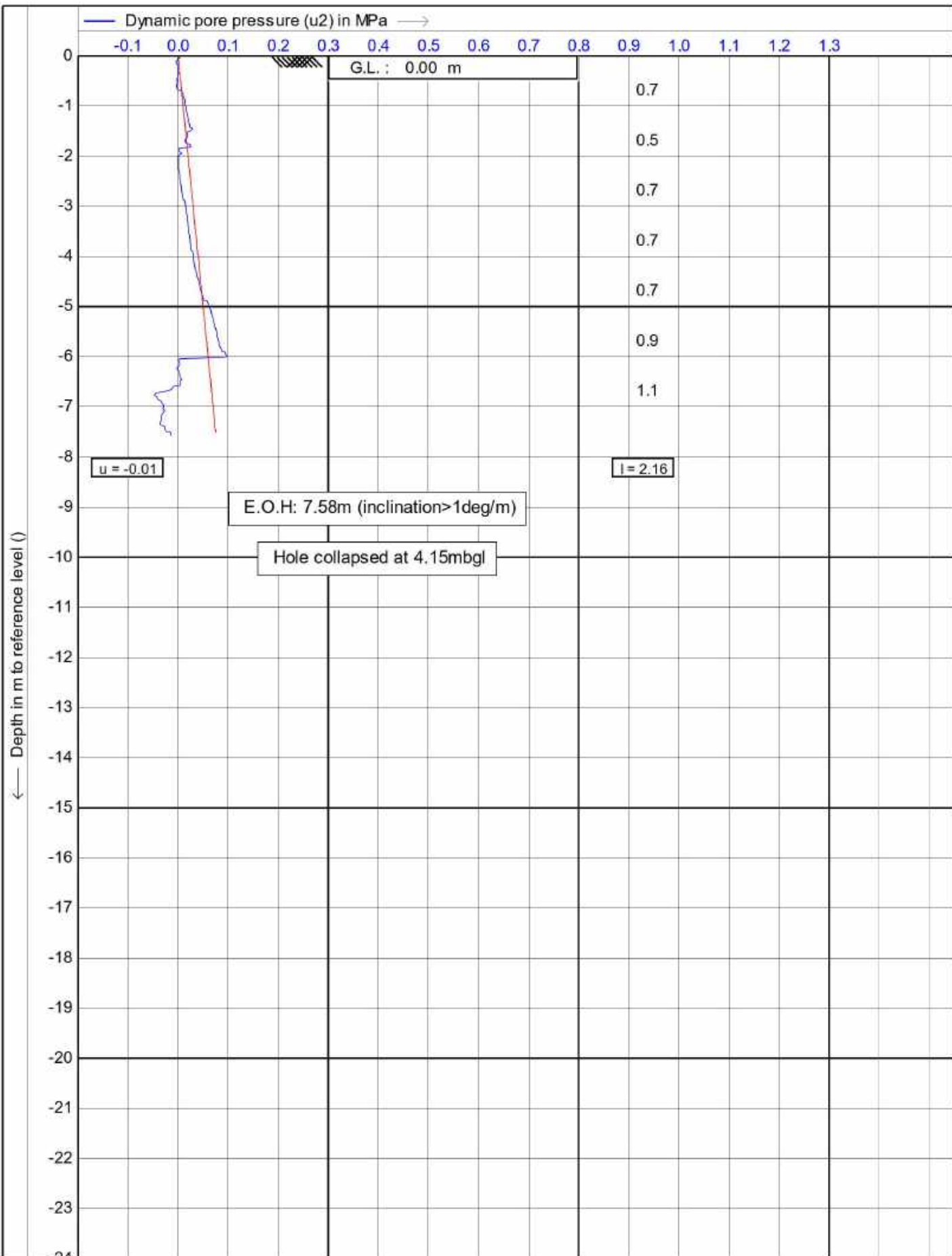
Date : 14/04/2021

Cone no. : S10CFIP.S16082

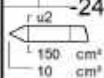
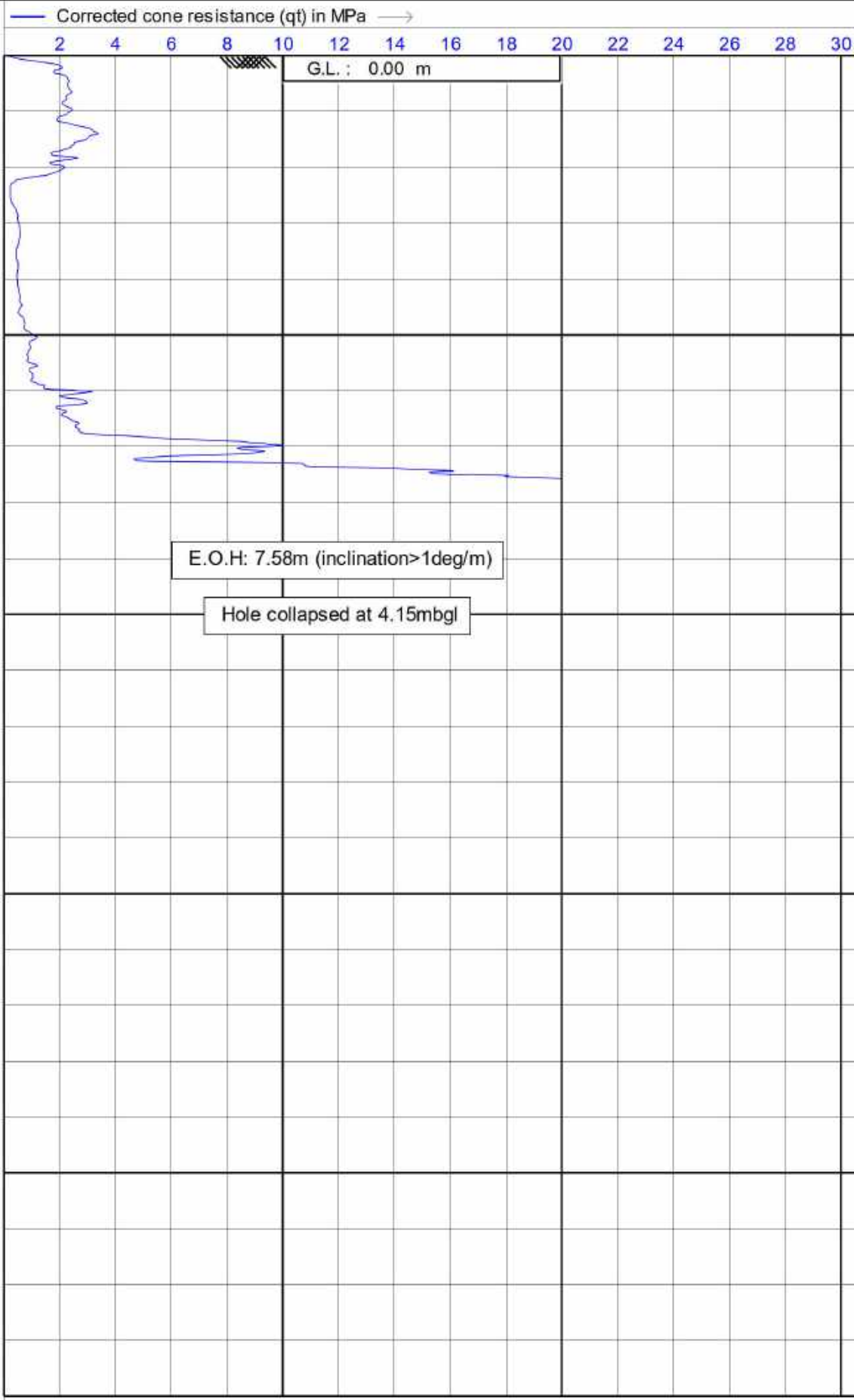
Project no. : DF21GE034

CPT no. : CPT_03A 1/15

← Depth in m to reference level ()



← Depth in m to reference level ()



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96544, -37.04646 WGS 84

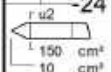
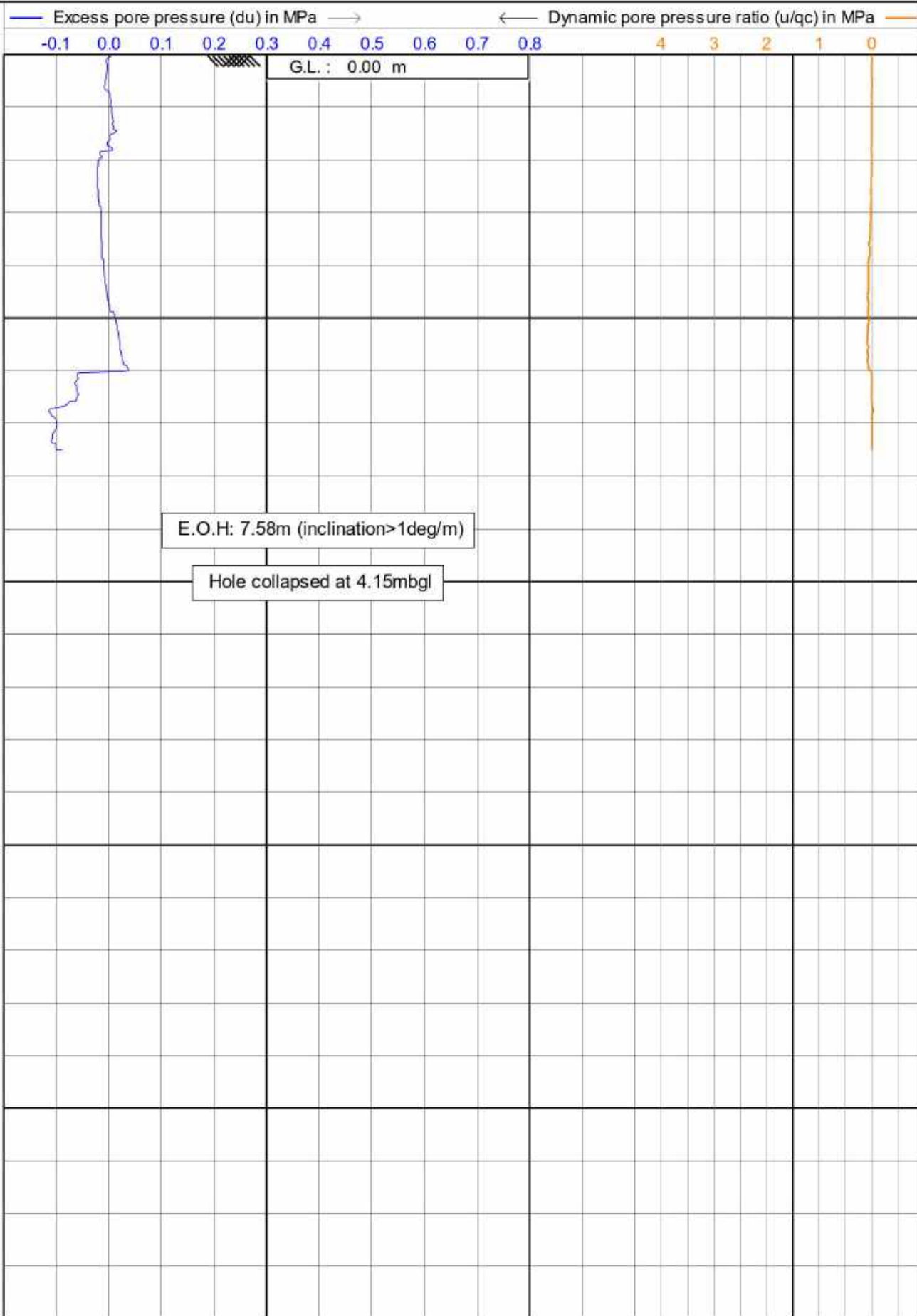
Date : 14/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_03A 3/15

← Depth in m to reference level ()



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96544, -37.04646 WGS 84

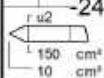
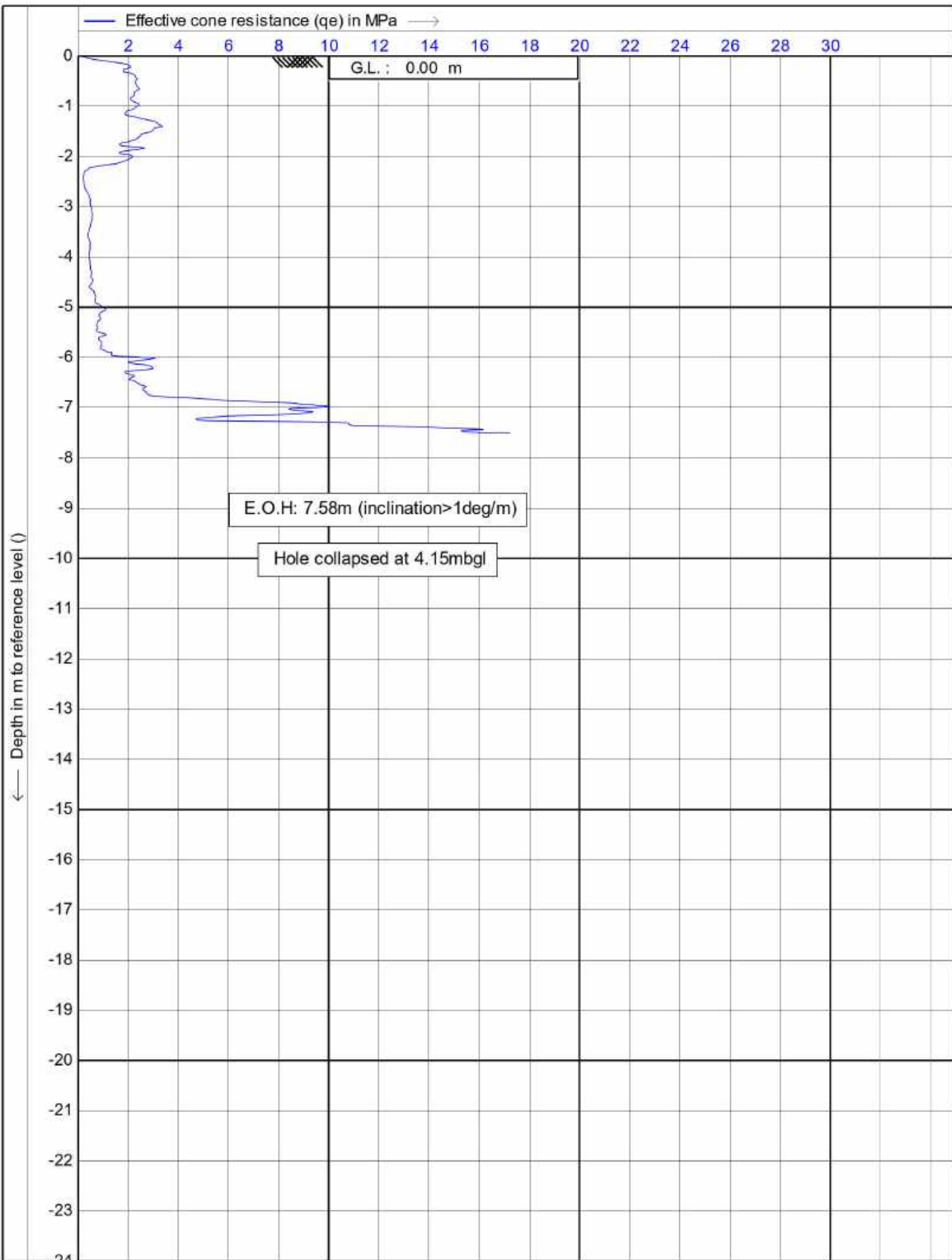
Date : 14/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_03A 4/15

Depth in m to reference level ()



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96544, -37.04646 WGS 84

Date : 14/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_03A 5/15

← 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

E.O.H: 7.58m (inclination>1deg/m)

Hole collapsed at 4,15mbgl

100 200 300 400 500 600 700

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



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96544, -37.04646 WGS 84

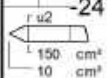
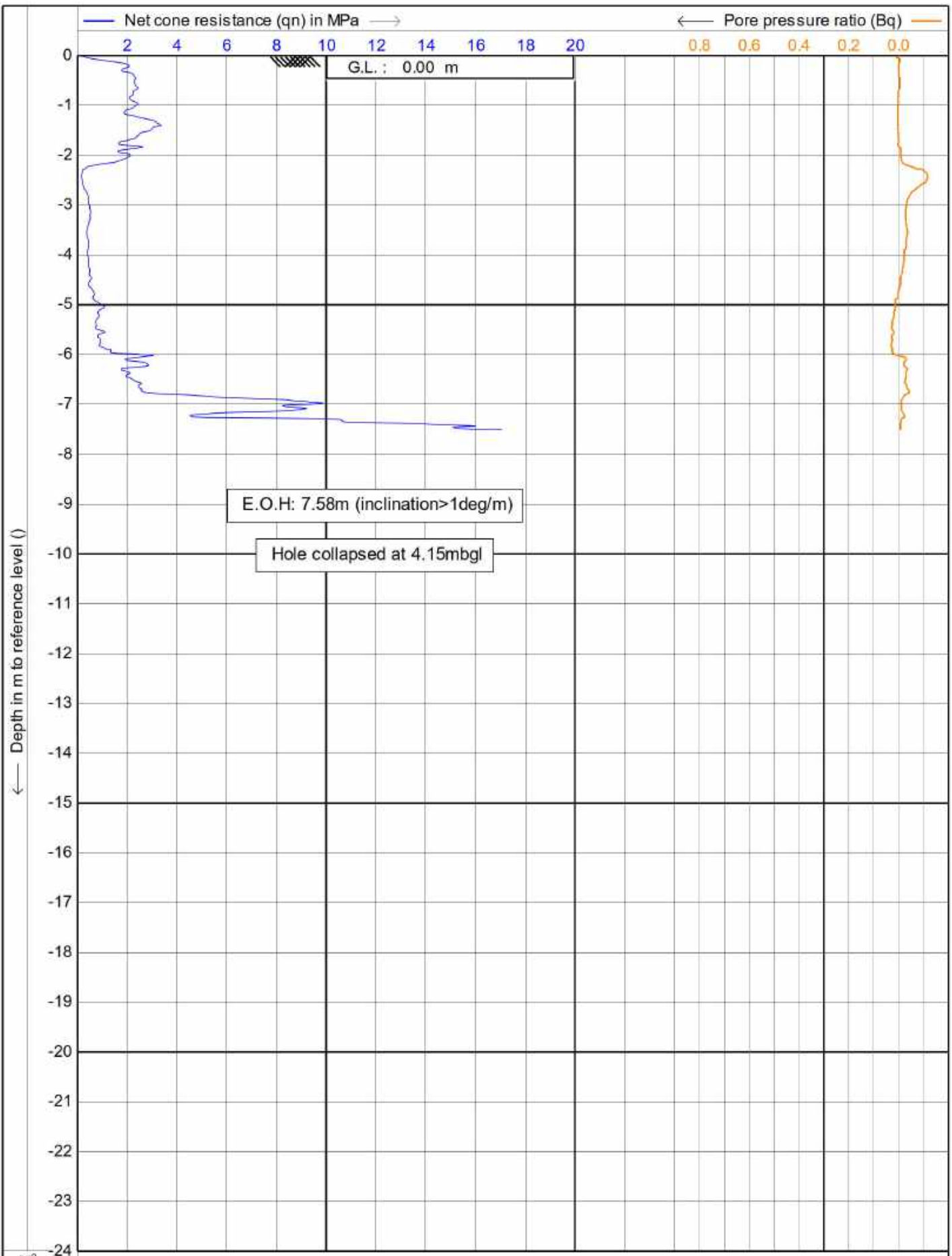
Date : 14/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_03A 6/15

← Depth in m to reference level ()



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96544, -37.04646 WGS 84

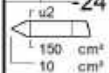
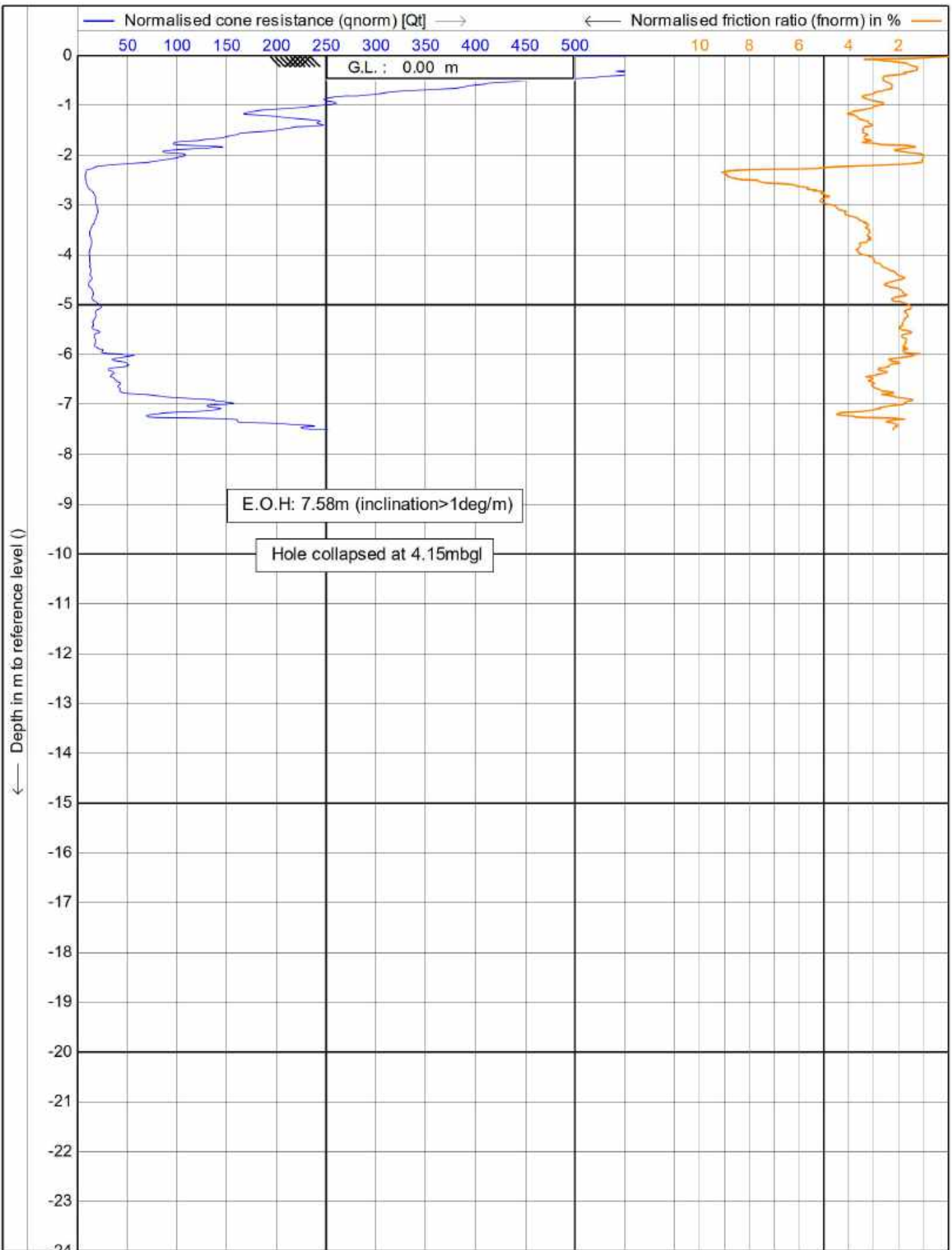
Date : 14/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_03A 7/15

Depth in m to reference level ()



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96544, -37.04646 WGS 84

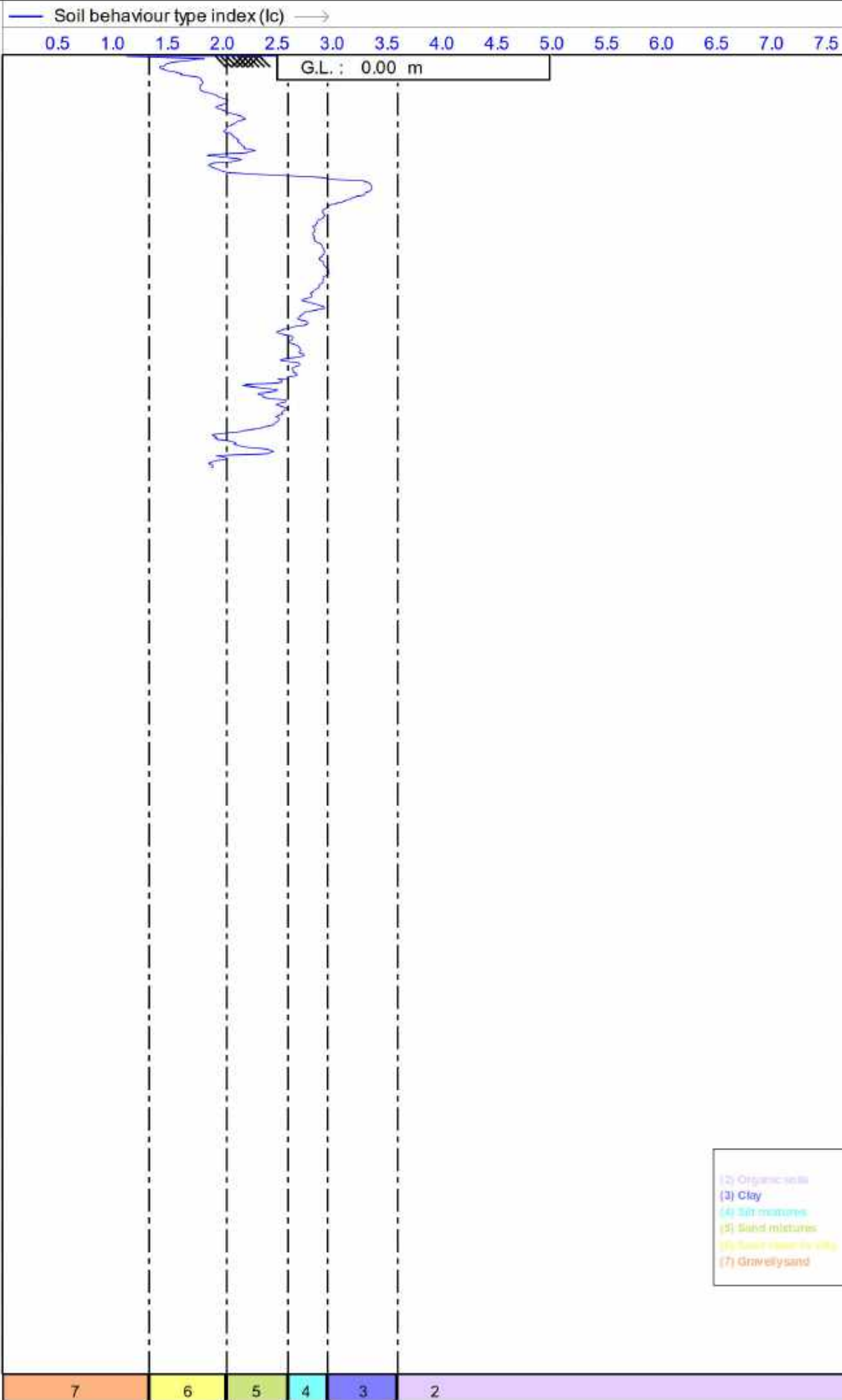
Date : 14/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_03A 8/15

← Depth in m to reference level ()



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96544, -37.04646 WGS 84

Date : 14/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_03A 9/15

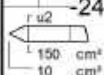
← Depth in m to reference level ()

— 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

E.O.H: 7.58m (inclination>1deg/m)

Hole collapsed at 4,15mbgl



DRILLFORCE
THE DRILLING SPECIALISTS

Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96544, -37.04646 WGS 84

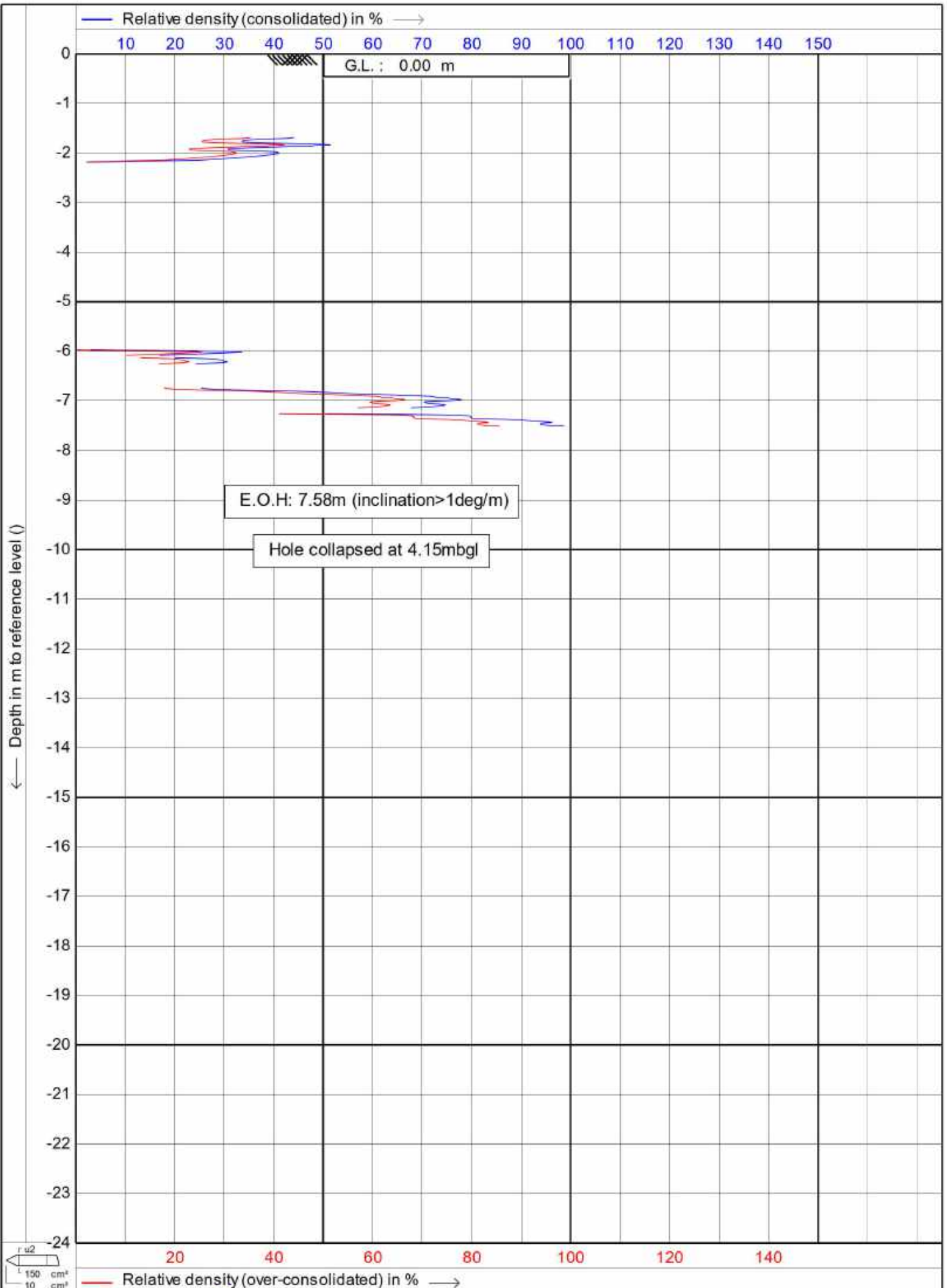
Date : 14/04/2021

Cone no. : S10CFIP.S16082

Project no. : **DF21GE034**

CPT no. : CPT_03A 10/15

Depth in m to reference level ()



DRILLFORCE
THE DRILLING SPECIALISTS

Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96544, -37.04646 WGS 84

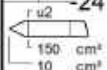
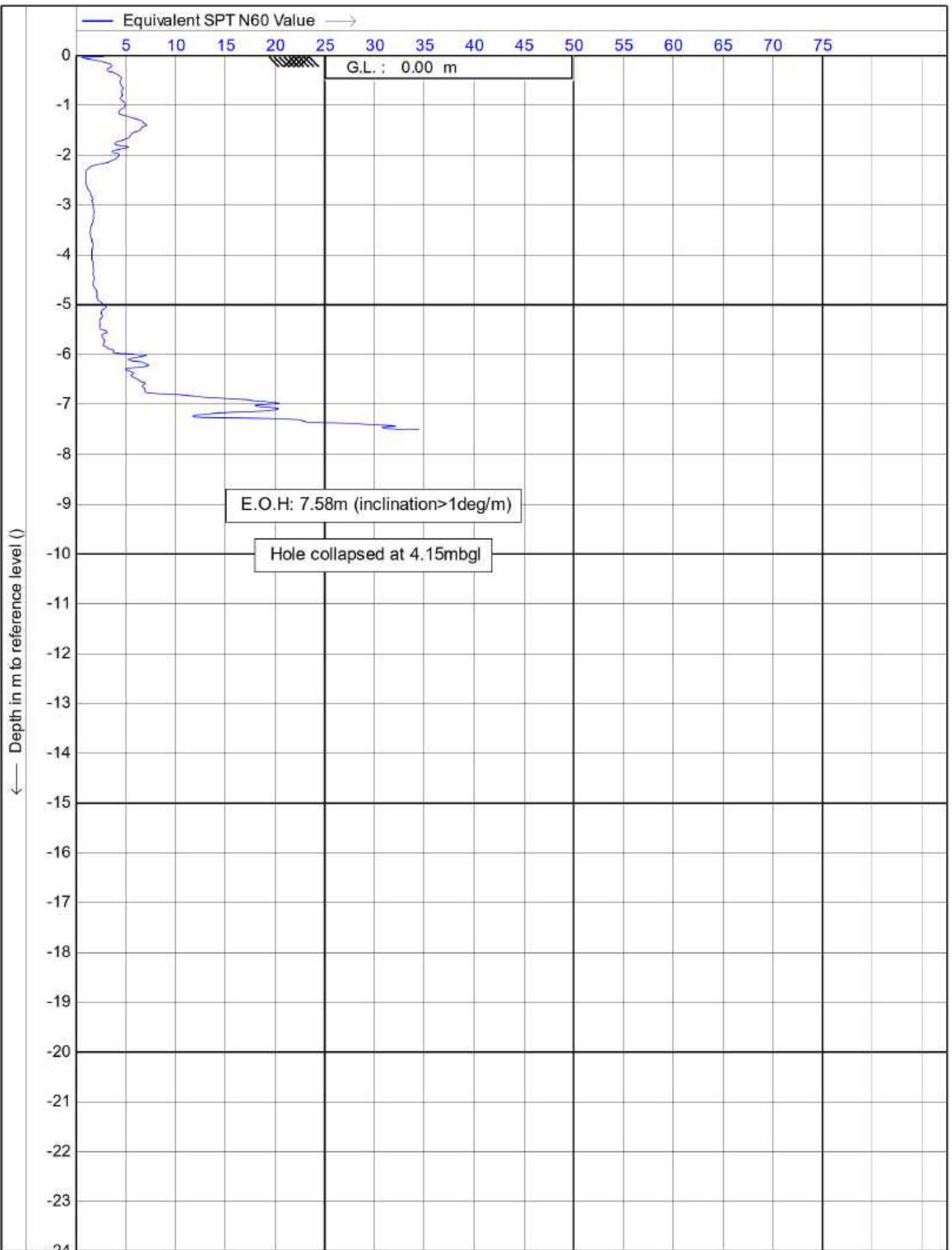
Date : 14/04/2021

Cone no. : S10CFIP.S16082

Project no. : **DF21GE034**

CPT no. : CPT_03A 11/15

Depth in m to reference level ()



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96544, -37.04646 WGS 84

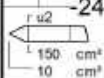
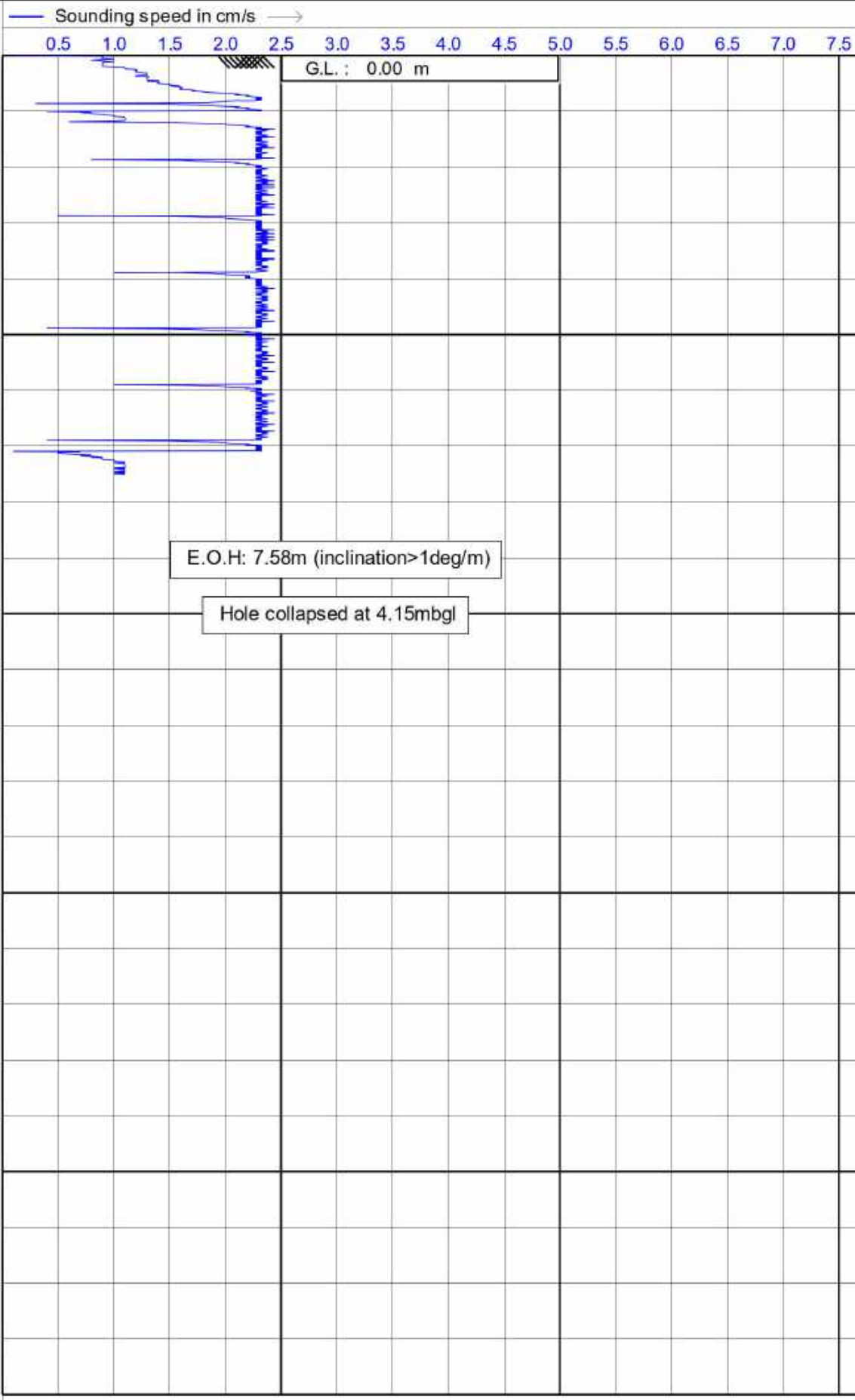
Date : 14/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_03A 12/15

← Depth in m to reference level ()



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

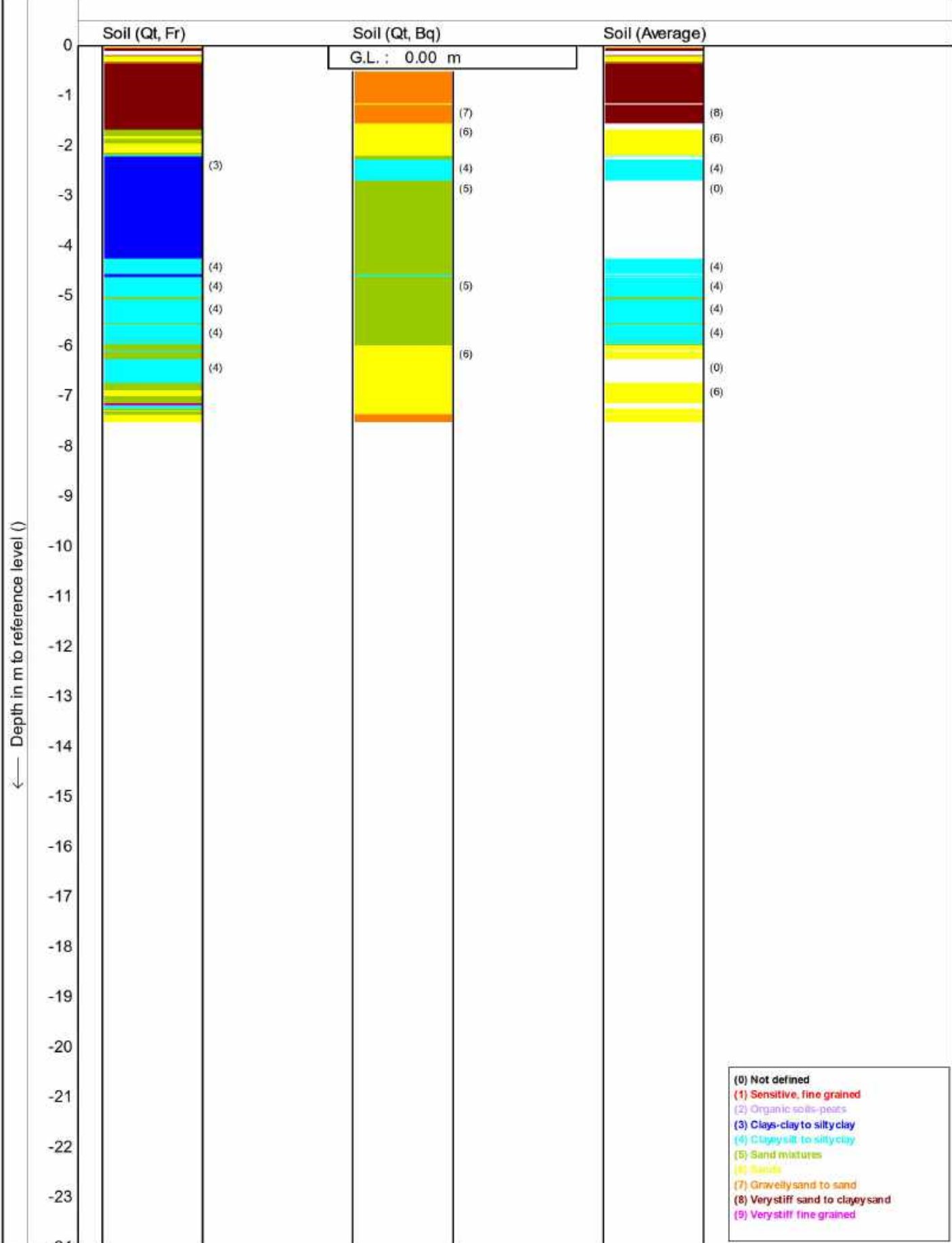
Position: 174.96544, -37.04646 WGS 84

Date : 14/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_03A 13/15



Soil behaviour type classification after Robertson 1990		
	Test according NEN 5140 class 1	
	Project : Hamlin Rd	Date : 14/04/2021
	Location: Hamlin Rd, Ardmore	Cone no. : S10CFIP.S16082
	Position: 174.96544, -37.04646 WGS 84	Project no. : DF21GE034
		CPT no. : CPT_03A 14/15

← Depth in m to reference level ()

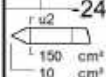
Internal friction angle in degrees →

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

G.L. : 0.00 m

E.O.H: 7.58m (inclination>1deg/m)

Hole collapsed at 4.15mbgl



DRILLFORCE
THE DRILLING SPECIALISTS

Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

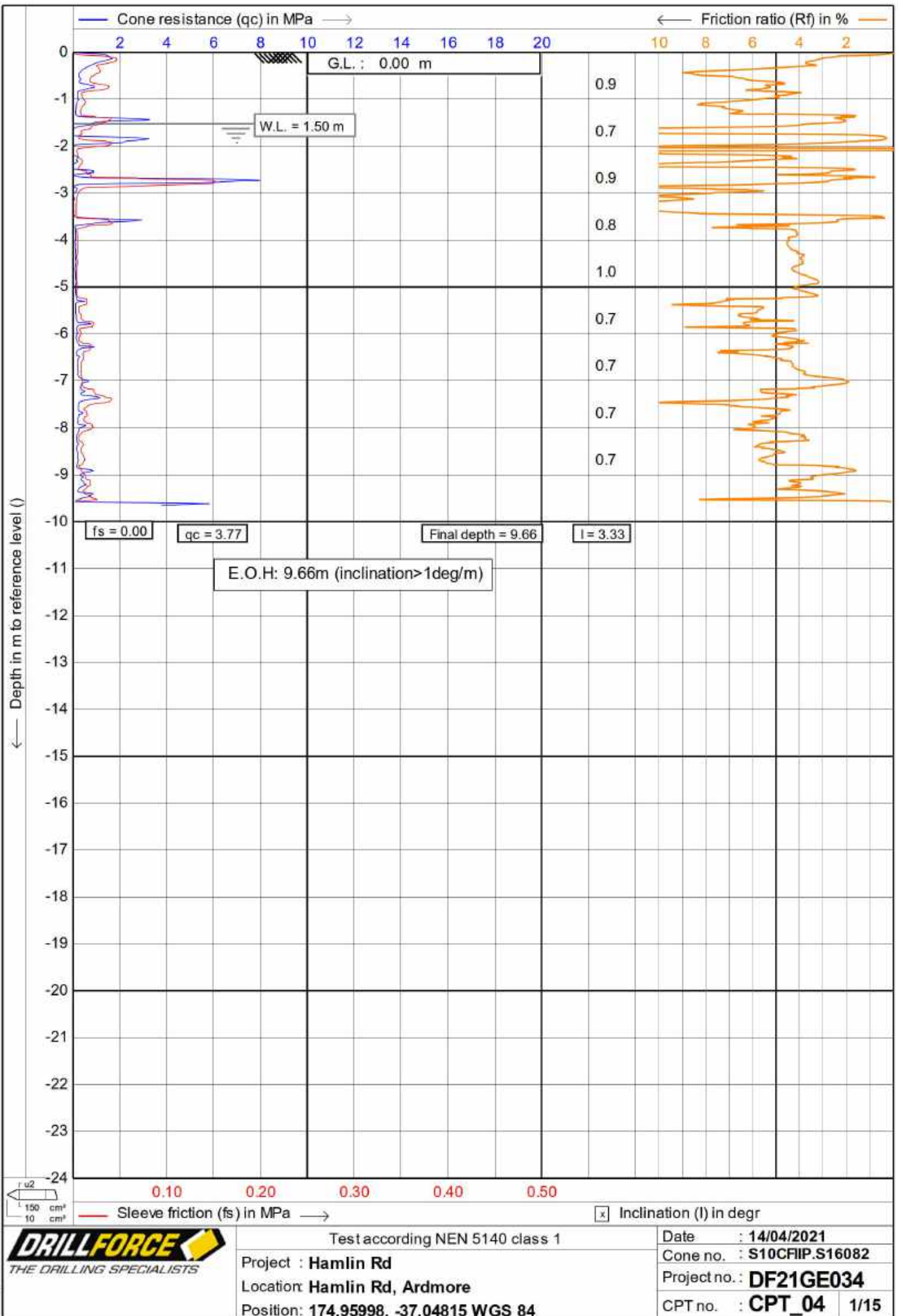
Position: 174.96544, -37.04646 WGS 84

Date : 14/04/2021

Cone no. : S10CFIP.S16082

Project no. : **DF21GE034**

CPT no. : CPT_03A 15/15



← 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

W.L. = 1.50 m

u = 0.10

I = 3.33

E.O.H: 9.66m (inclination>1deg/m)

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 NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.95998, -37.04815 WGS 84

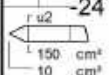
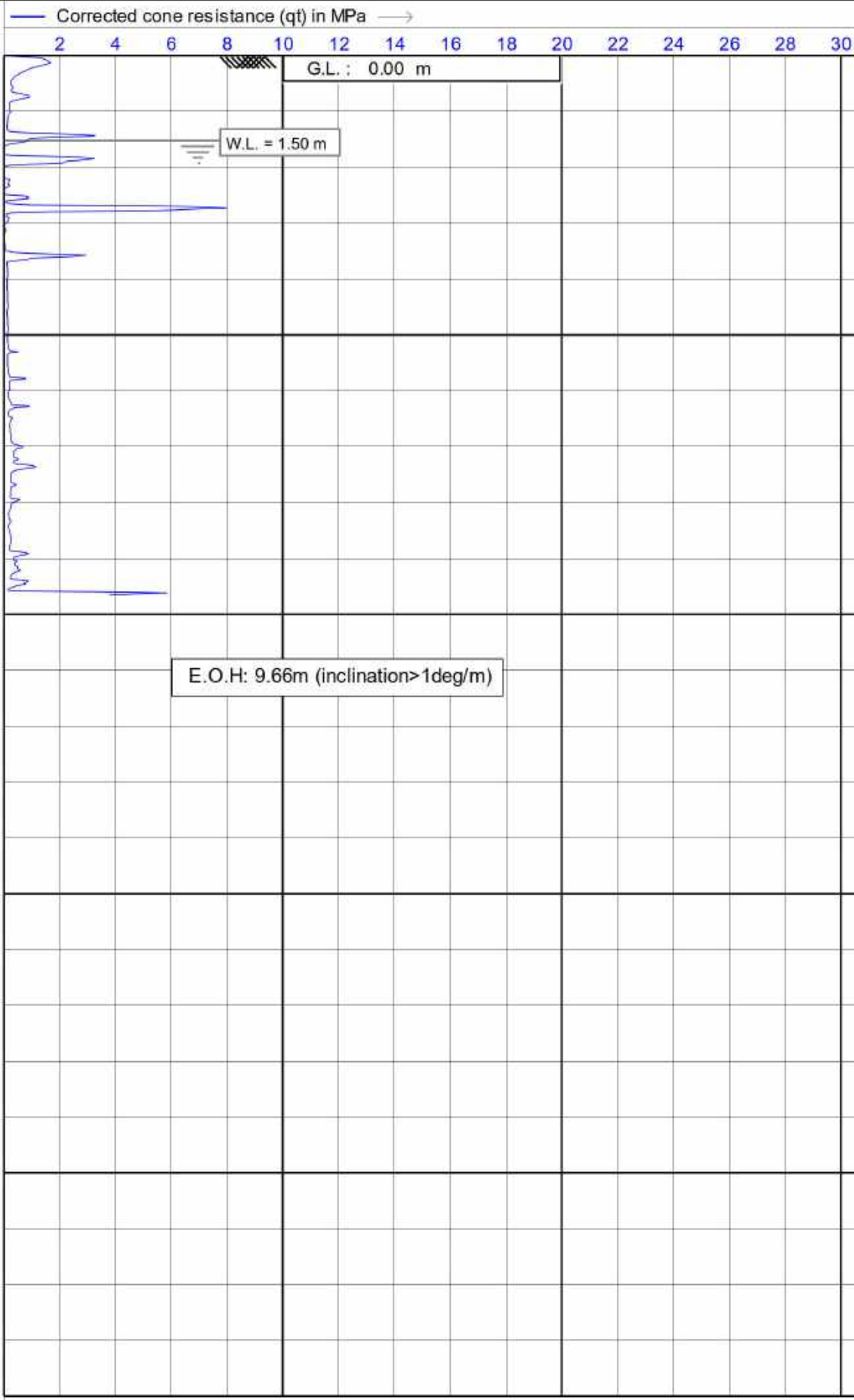
Date : 14/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_04 2/15

← Depth in m to reference level ()



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.95998, -37.04815 WGS 84

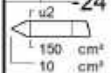
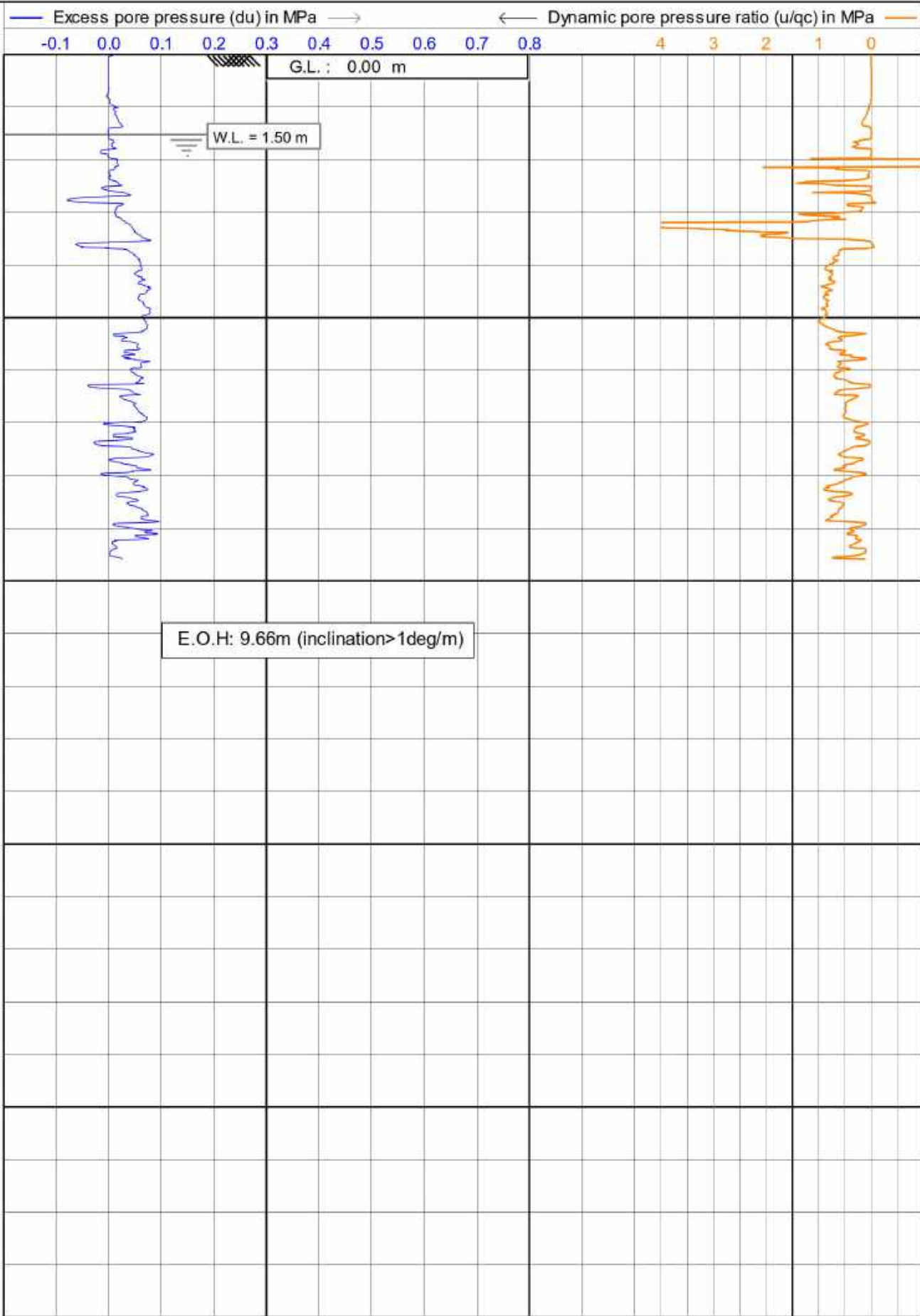
Date : 14/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_04 3/15

← Depth in m to reference level ()



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.95998, -37.04815 WGS 84

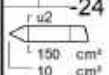
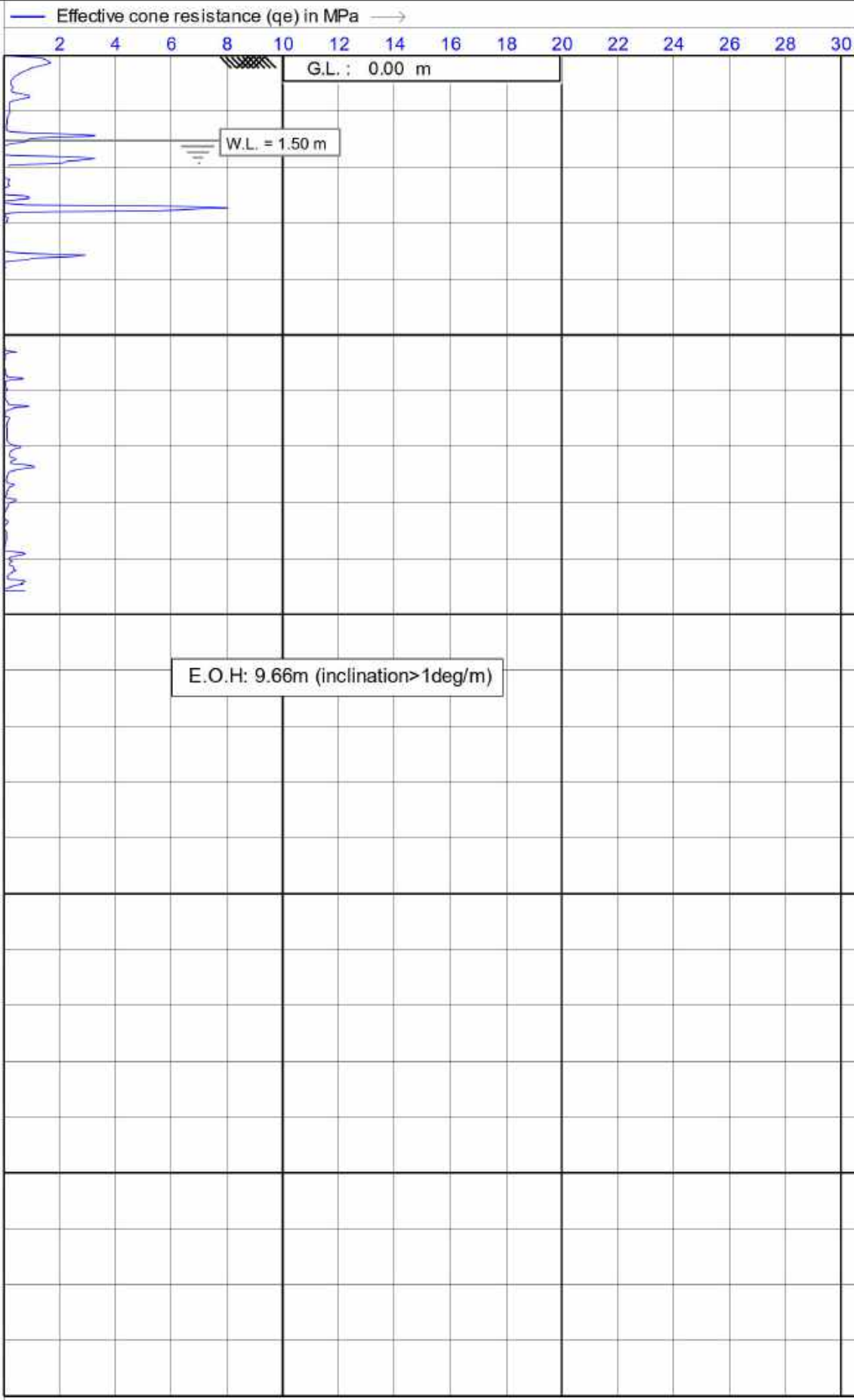
Date : 14/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_04 4/15

← Depth in m to reference level ()



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.95998, -37.04815 WGS 84

Date : 14/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_04 5/15

← 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

W.L. = 1.50 m

E.O.H: 9.66m (inclination>1deg/m)

100 200 300 400 500 600 700

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



DRILLFORCE
THE DRILLING SPECIALISTS

Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

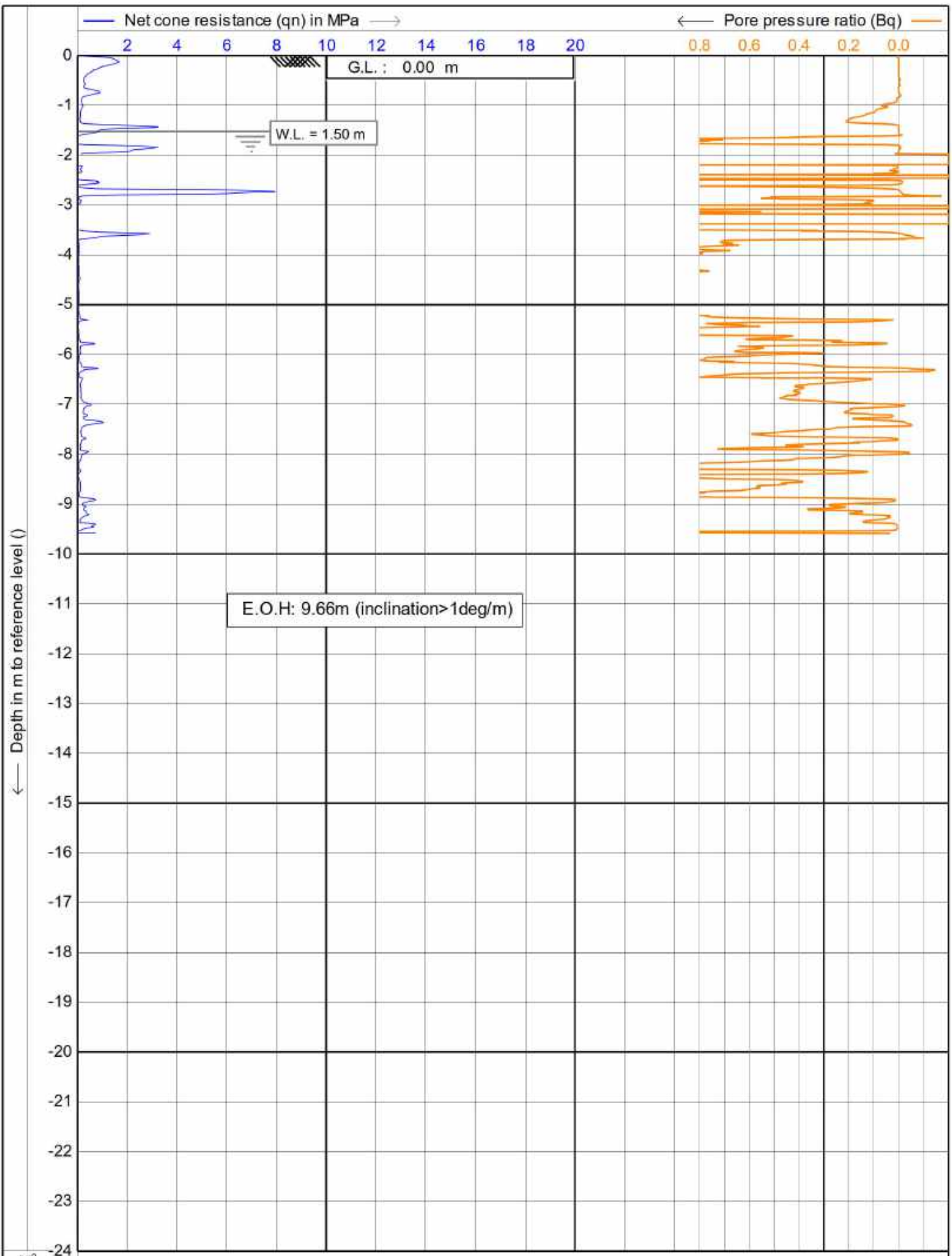
Position: 174.95998, -37.04815 WGS 84

Date : 14/04/2021

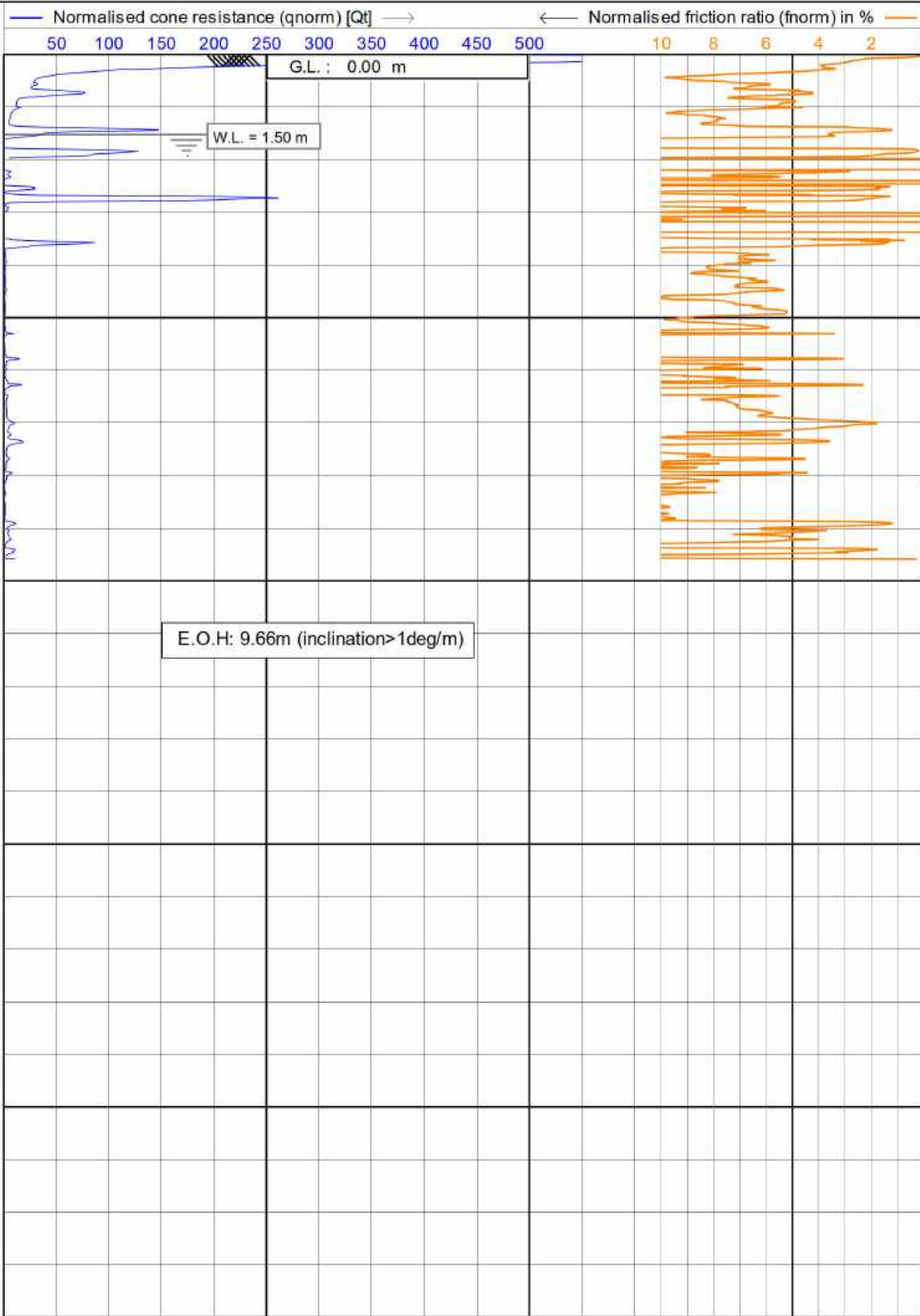
Cone no. : S10CFIP.S16082

Project no. : **DF21GE034**

CPT no. : **CPT_04** 6/15



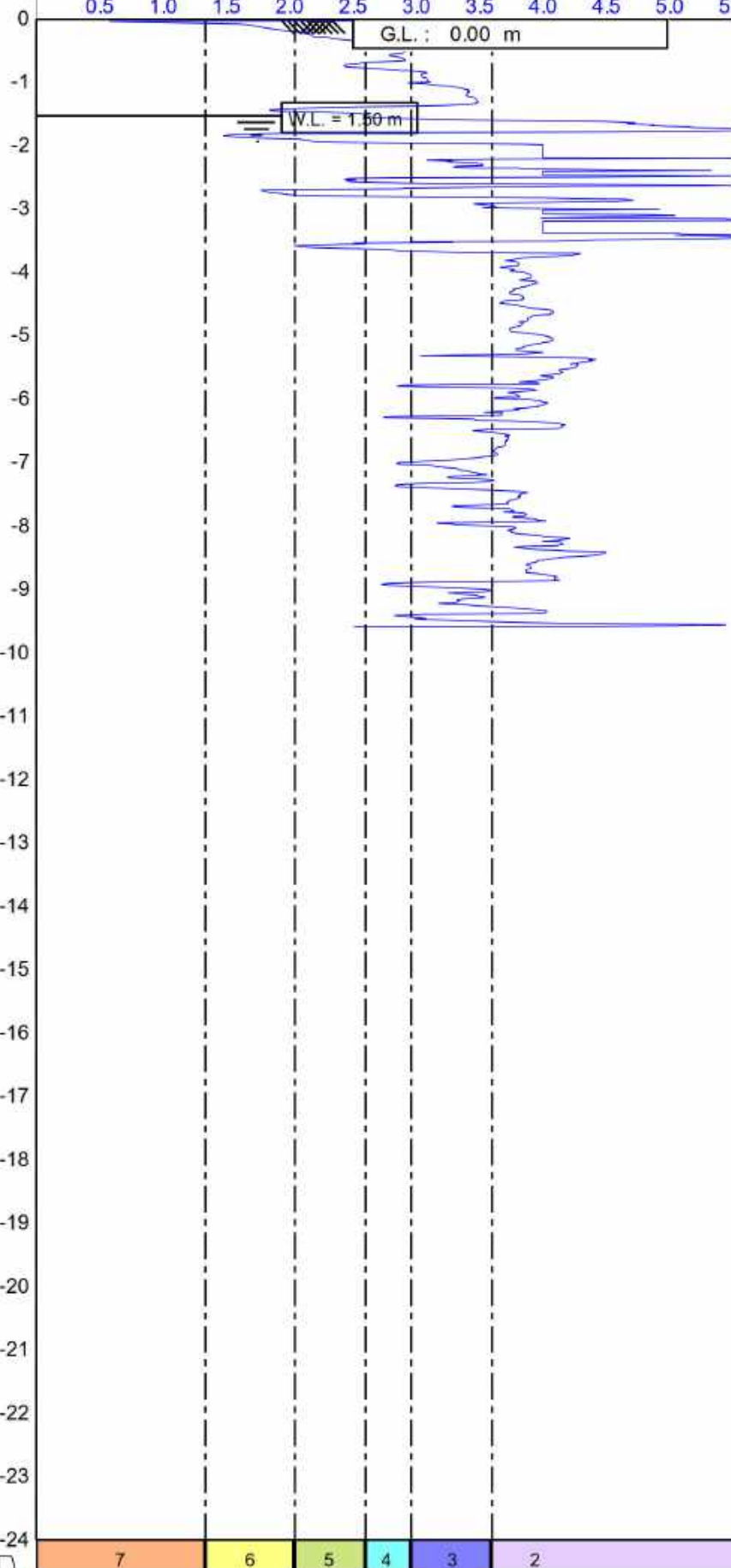
Depth in m to reference level ()



← 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



150 cm²
10 cm²

DRILLFORCE
THE DRILLING SPECIALISTS

Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.95998, -37.04815 WGS 84

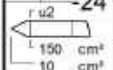
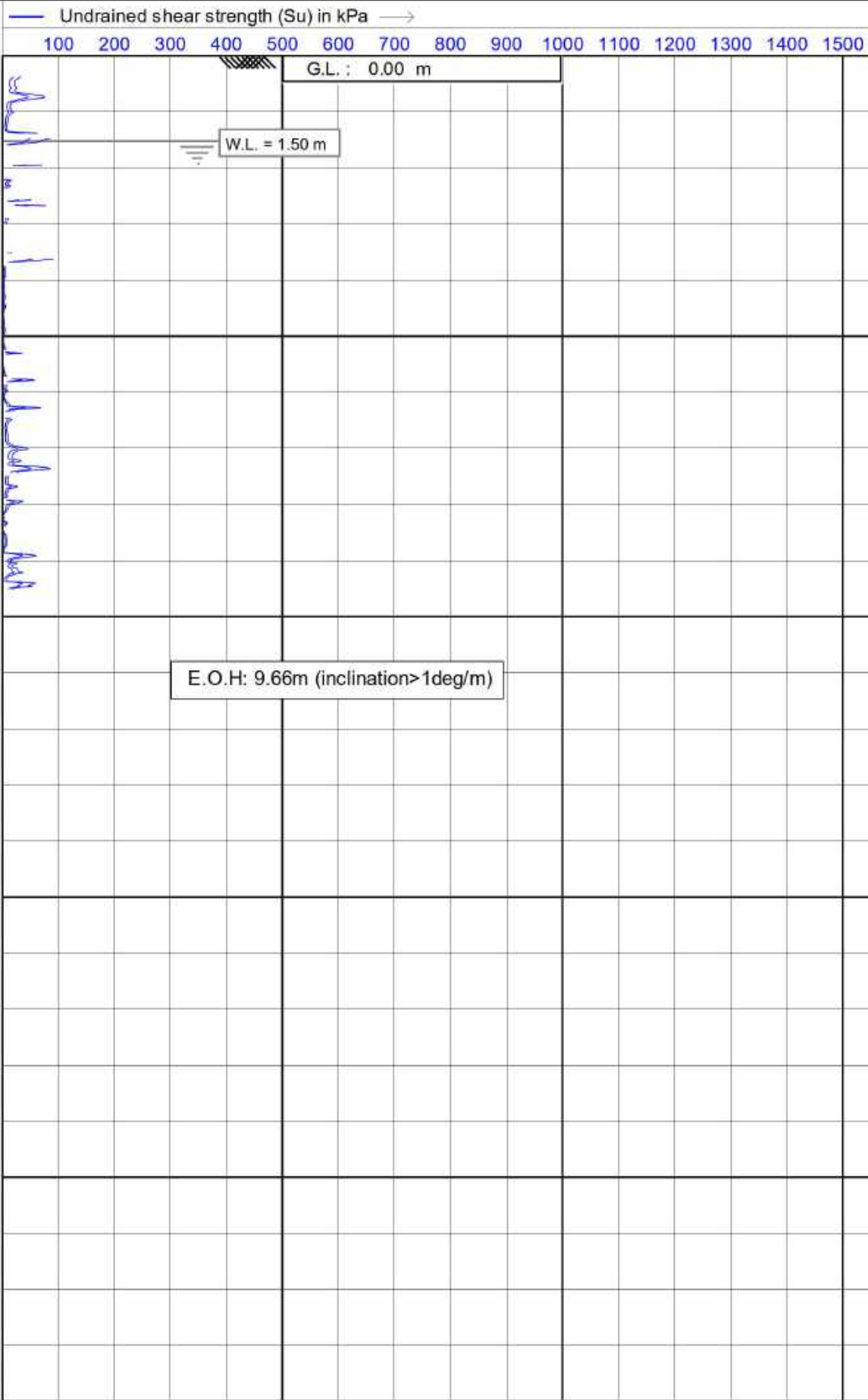
Date : 14/04/2021

Cone no. : S10CFIP.S16082

Project no. : **DF21GE034**

CPT no. : **CPT_04** 9/15

← Depth in m to reference level ()



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.95998, -37.04815 WGS 84

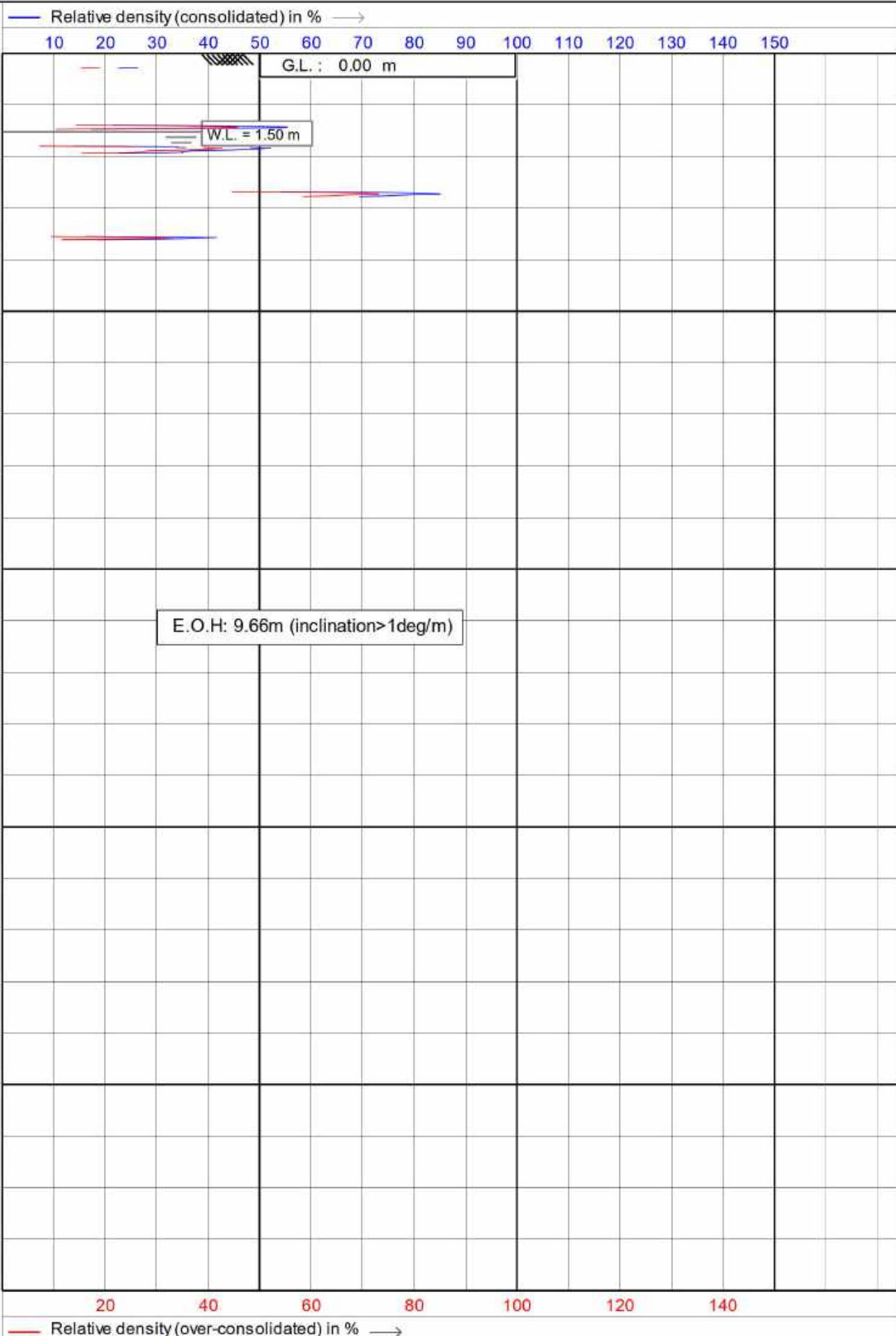
Date : 14/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_04 10/15

← Depth in m to reference level ()



DRILLFORCE
THE DRILLING SPECIALISTS

Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.95998, -37.04815 WGS 84

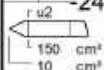
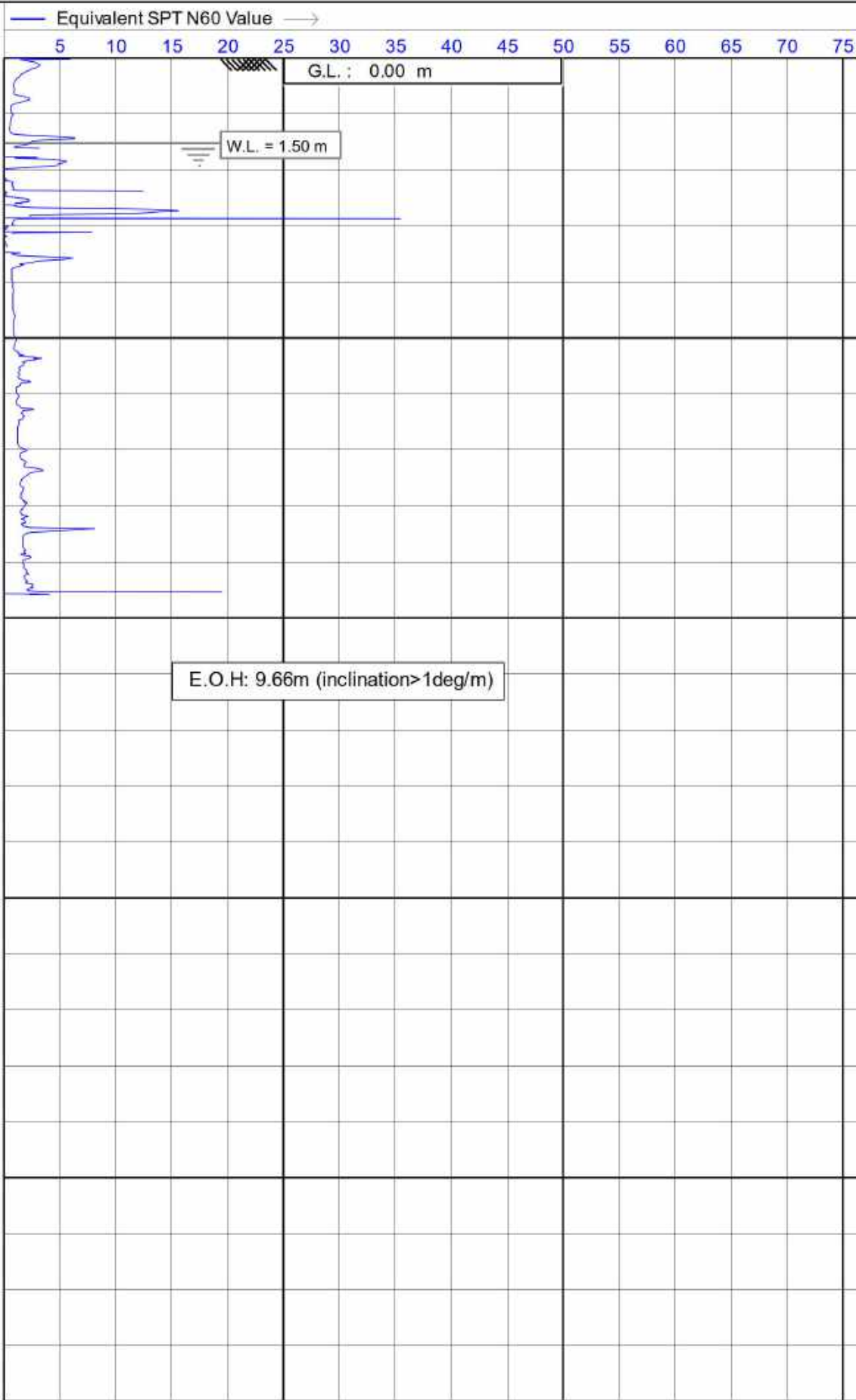
Date : 14/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_04 11/15

← Depth in m to reference level ()



DRILLFORCE
THE DRILLING SPECIALISTS

Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.95998, -37.04815 WGS 84

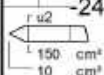
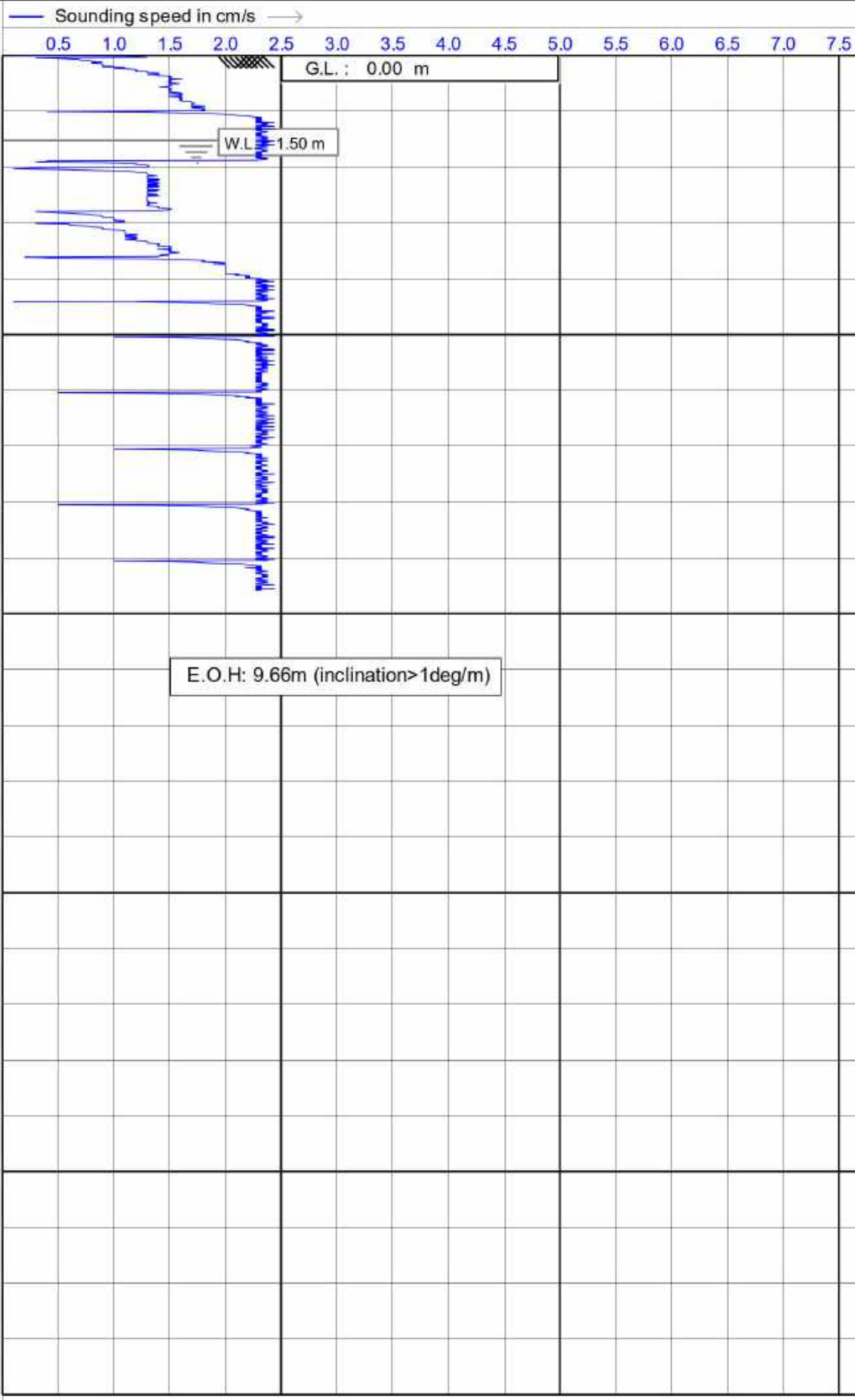
Date : 14/04/2021

Cone no. : S10CFIP.S16082

Project no. : **DF21GE034**

CPT no. : **CPT_04** 12/15

← Depth in m to reference level ()



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.95998, -37.04815 WGS 84

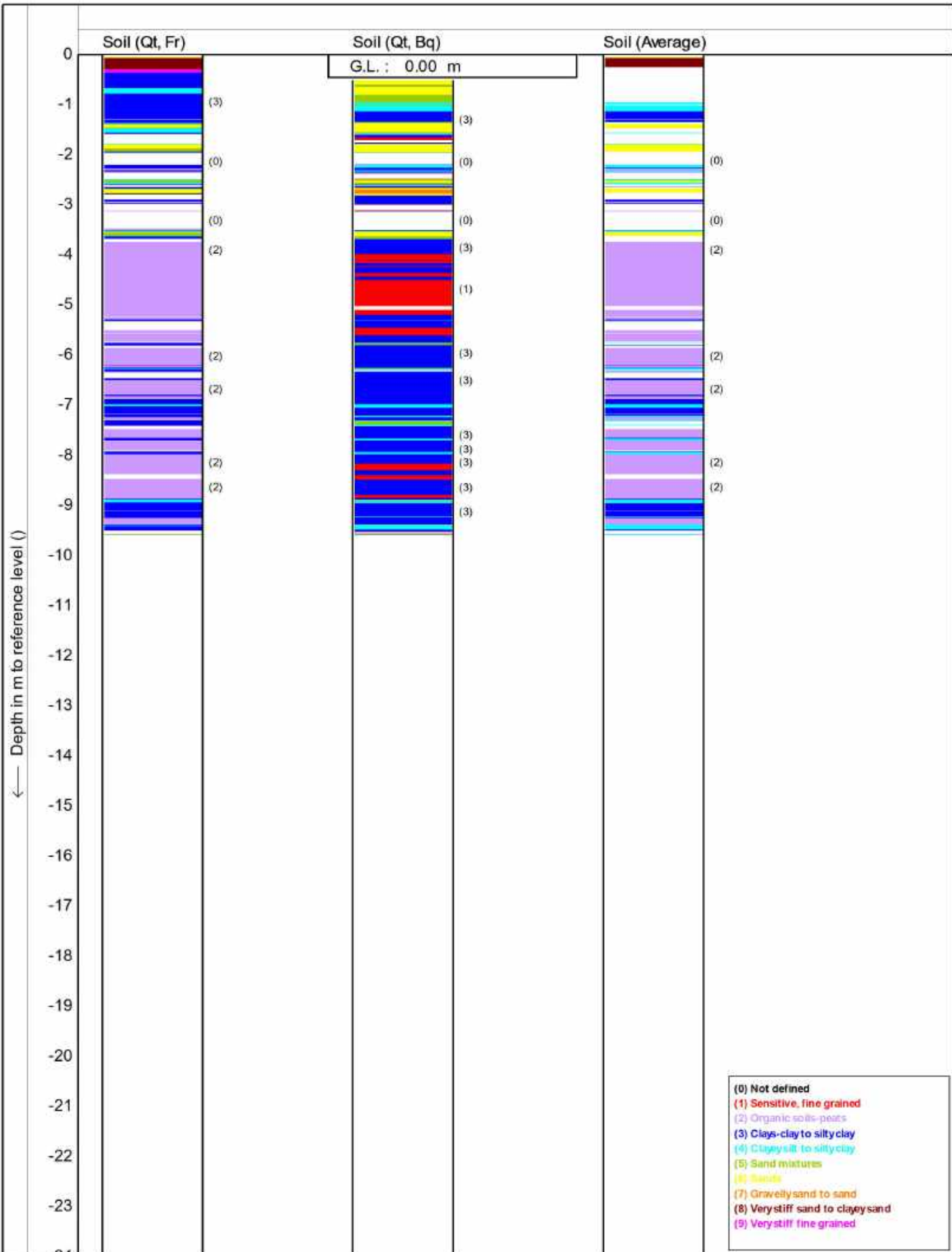
Date : 14/04/2021

Cone no. : S10CFIP.S16082

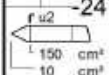
Project no. : DF21GE034

CPT no. : CPT_04 13/15

Depth in m to reference level ()



Soil behaviour type classification after Robertson 1990



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.95998, -37.04815 WGS 84

Date : 14/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_04 14/15

← Depth in m to reference level ()

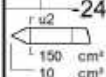
— Internal friction angle in degrees —→

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

G.L. : 0.00 m

W.L. = 1.50 m

E.O.H: 9.66m (inclination>1deg/m)



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

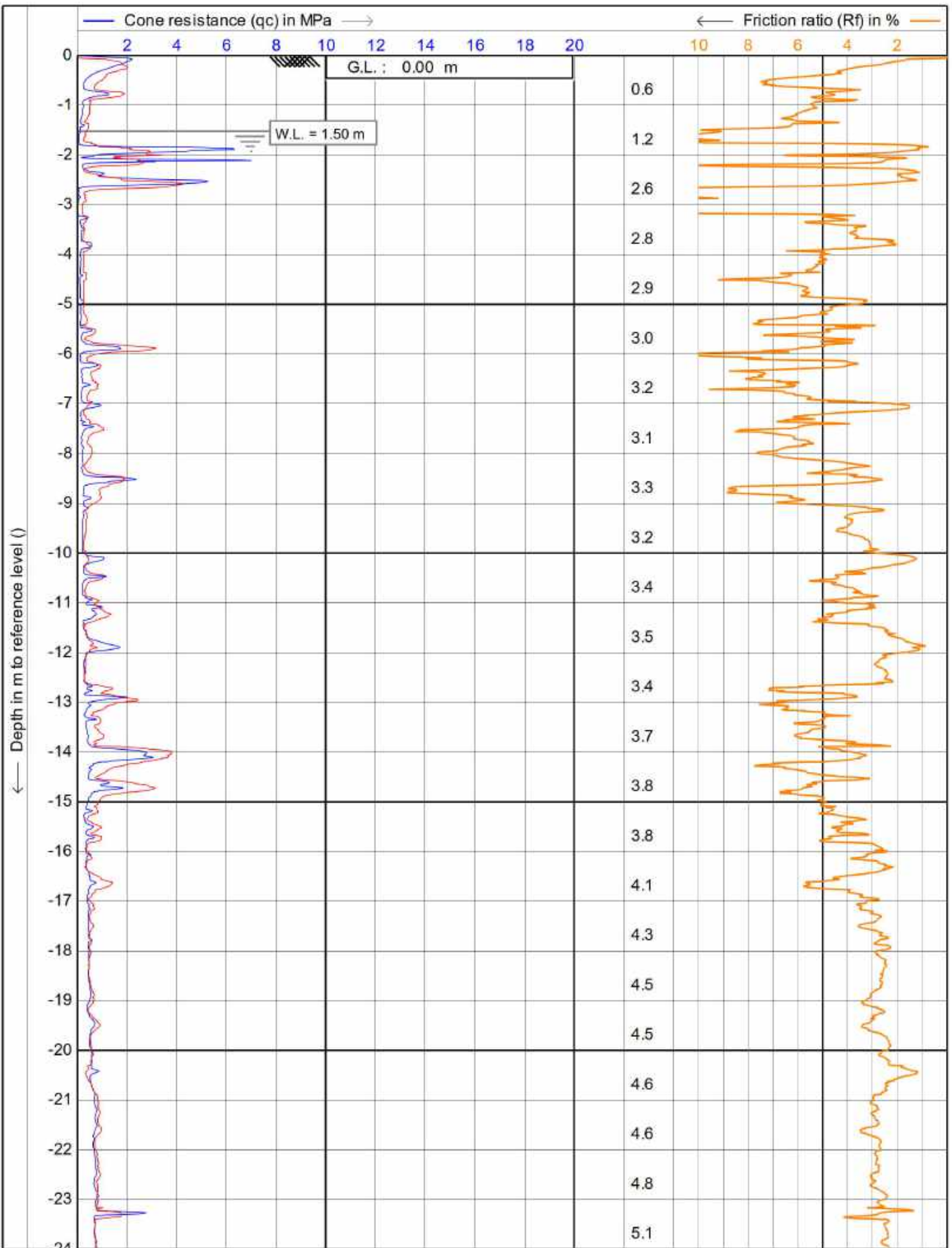
Position: 174.95998, -37.04815 WGS 84

Date : 14/04/2021

Cone no. : S10CFIP.S16082

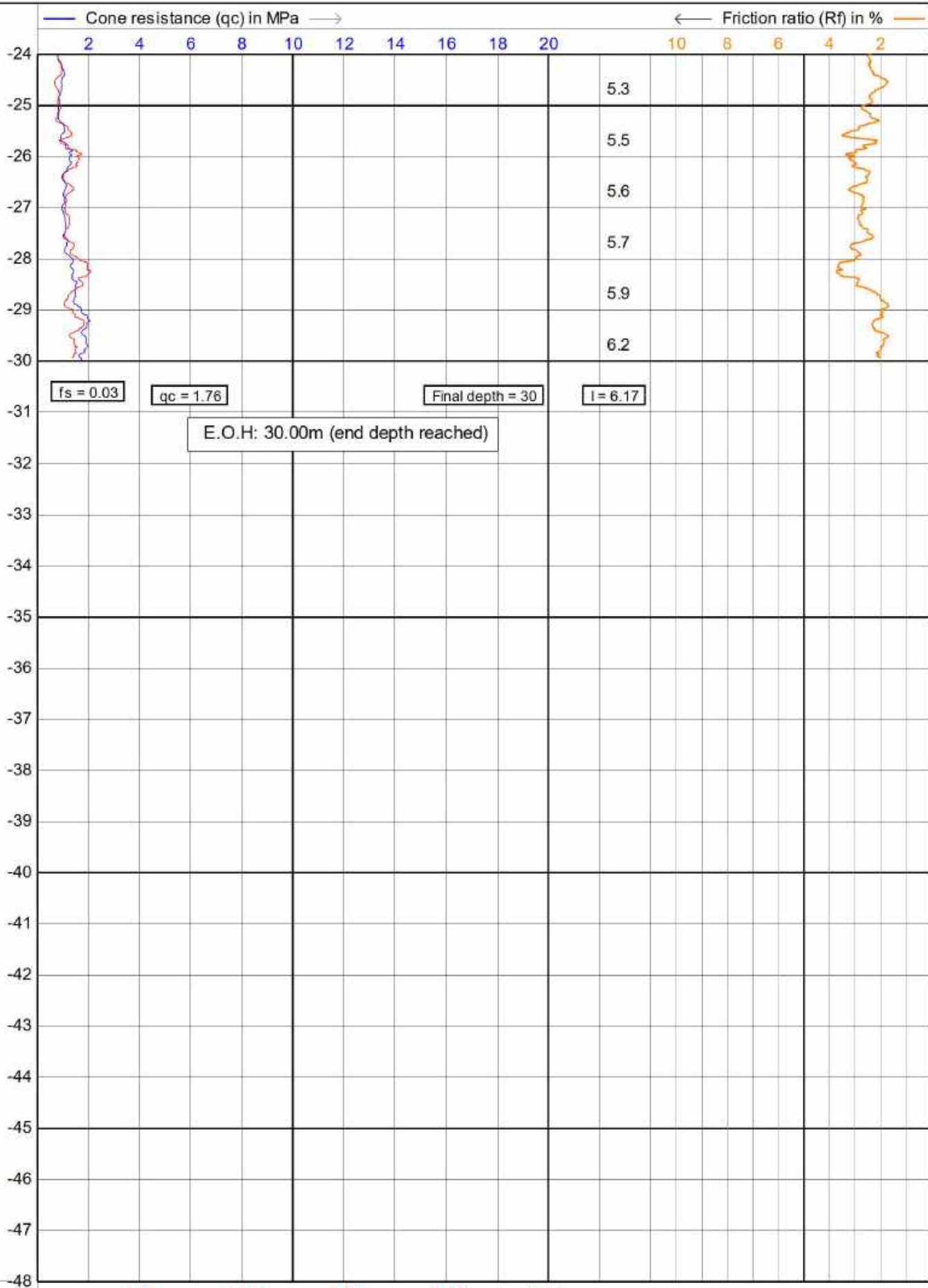
Project no. : DF21GE034

CPT no. : CPT_04 15/15



	Test according NEN 5140 class 1		Date : 14/04/2021
	Project : Hamlin Rd		Cone no. : S10CFIP.S16082
	Location: Hamlin Rd, Ardmore		Project no. : DF21GE034
	Position: 174.95998, -37.04815 WGS 84		CPT no. : CPT_04A 1/30

Depth in m to reference level ()



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.95998, -37.04815 WGS 84

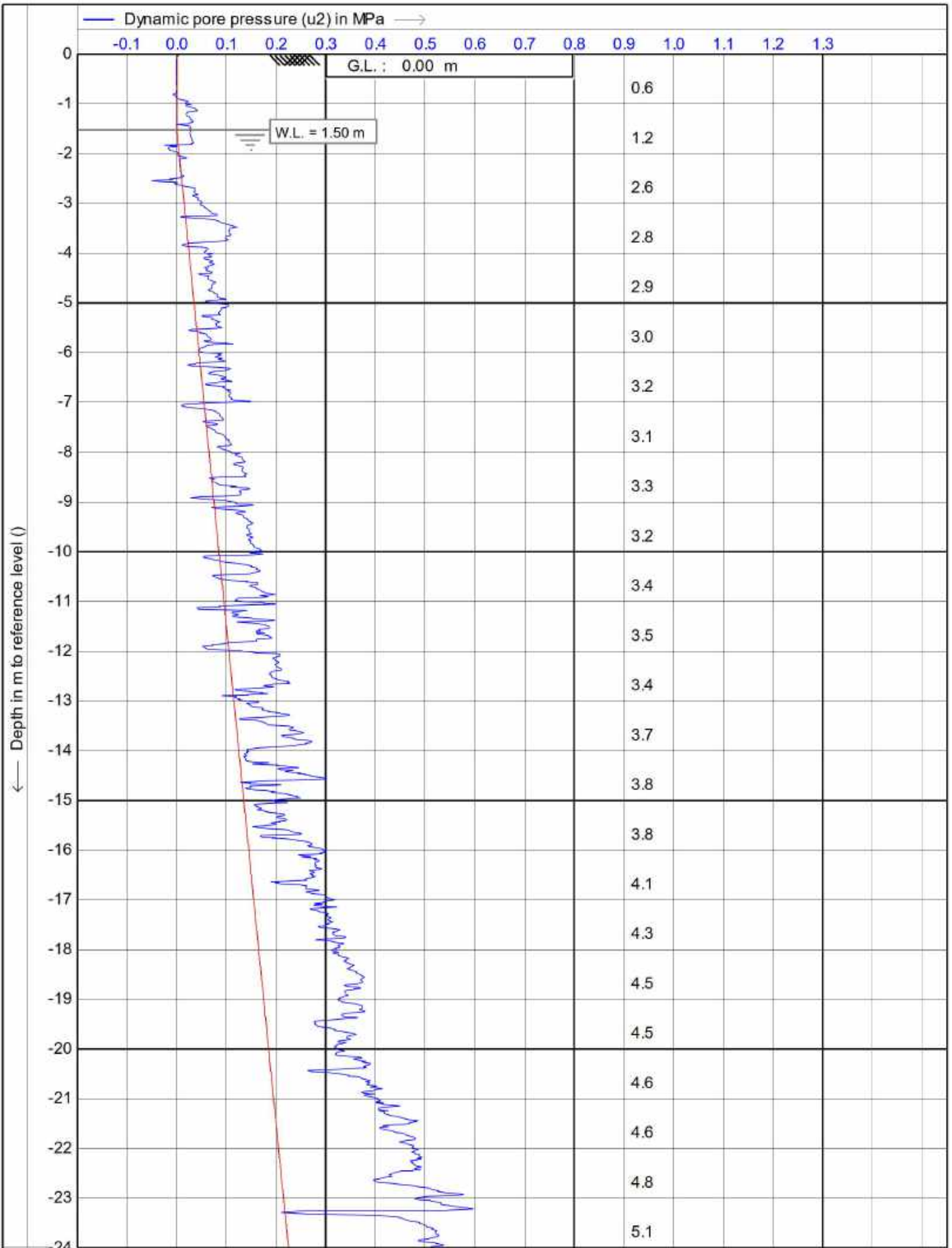
Date : 14/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_04A 2/30

Depth in m to reference level ()



150 cm³
10 cm³

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 NEN 5140 class 1

Date : 14/04/2021

Project : Hamlin Rd

Cone no. : S10CFIP.S16082

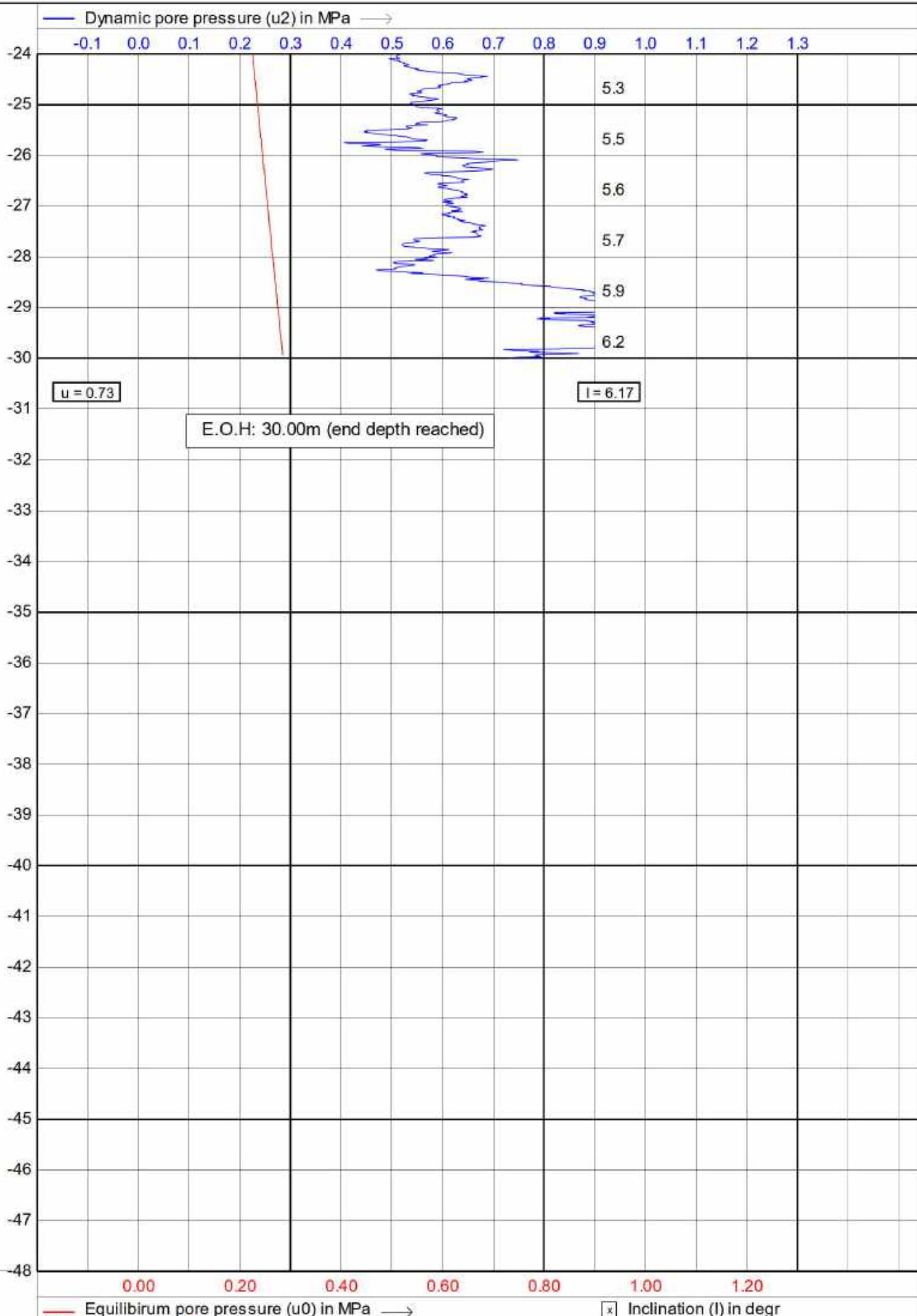
Location: Hamlin Rd, Ardmore

Project no. : DF21GE034

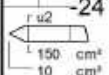
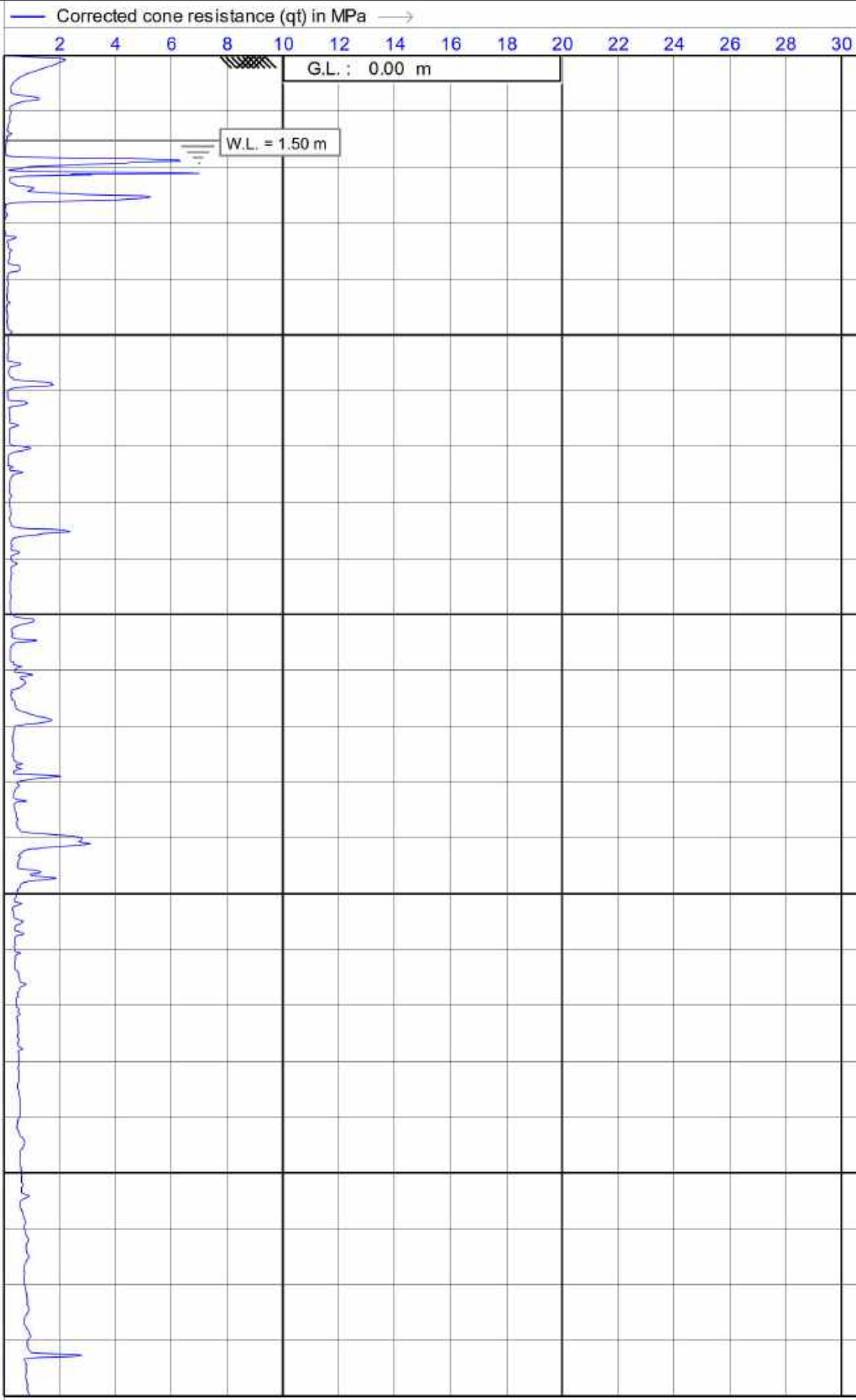
Position: 174.95998, -37.04815 WGS 84

CPT no. : CPT_04A 3/30

Depth in m to reference level ()



← Depth in m to reference level ()



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.95998, -37.04815 WGS 84

Date : 14/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_04A 5/30

← 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

-24
-25
-26
-27
-28
-29
-30
-31
-32
-33
-34
-35
-36
-37
-38
-39
-40
-41
-42
-43
-44
-45
-46
-47
-48

E.O.H: 30.00m (end depth reached)



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.95998, -37.04815 WGS 84

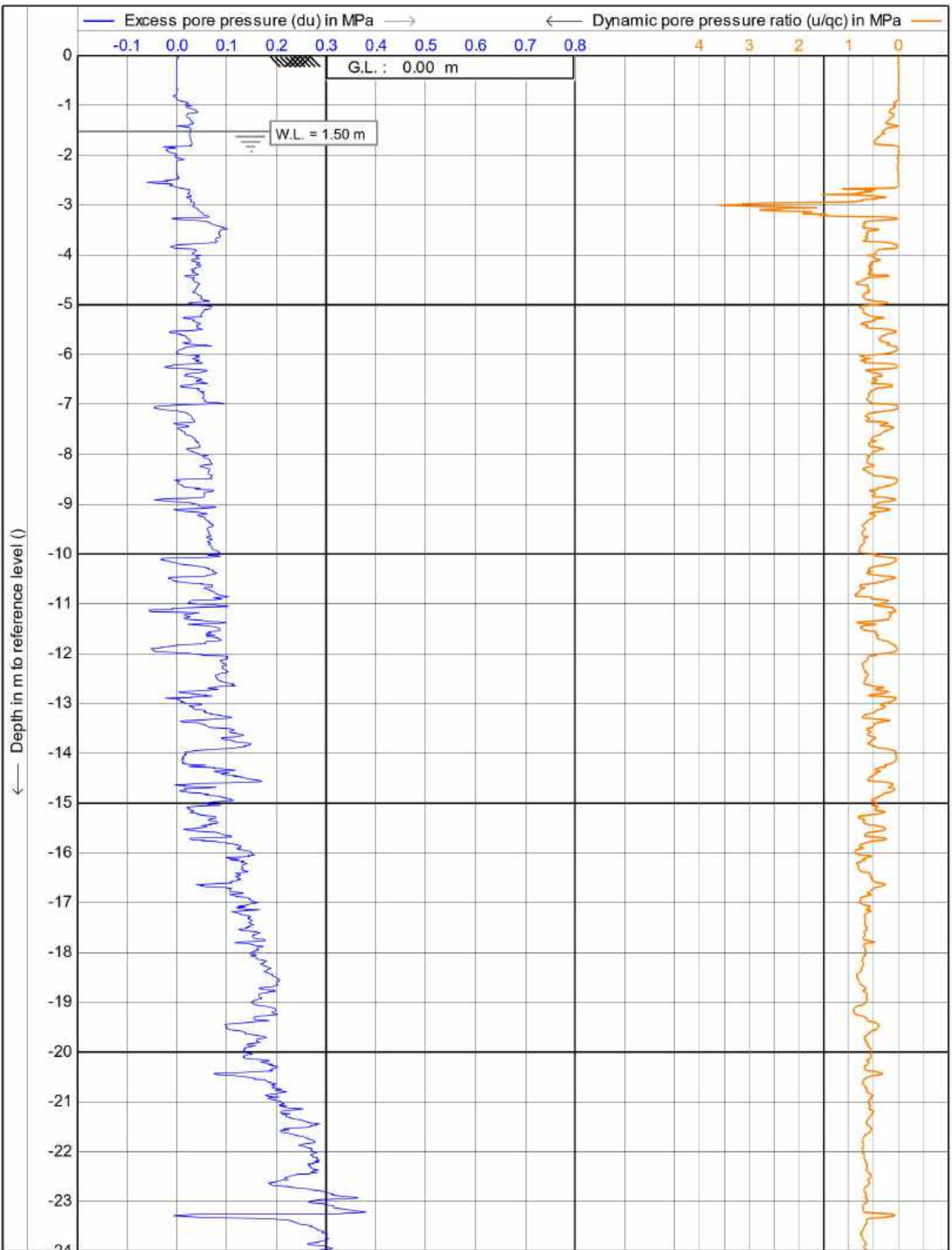
Date : 14/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_04A 6/30

← Depth in m to reference level ()



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.95998, -37.04815 WGS 84

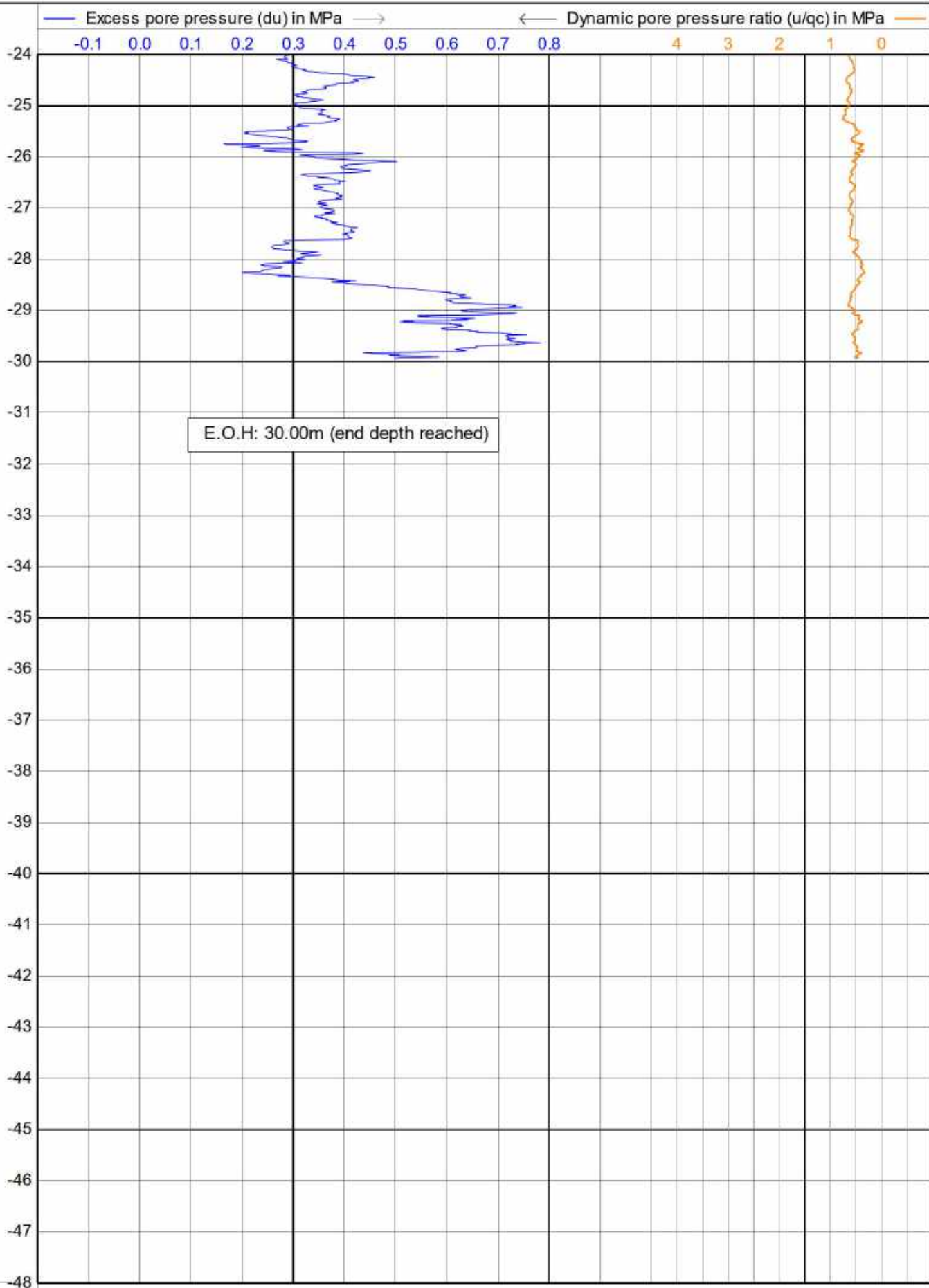
Date : 14/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

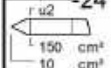
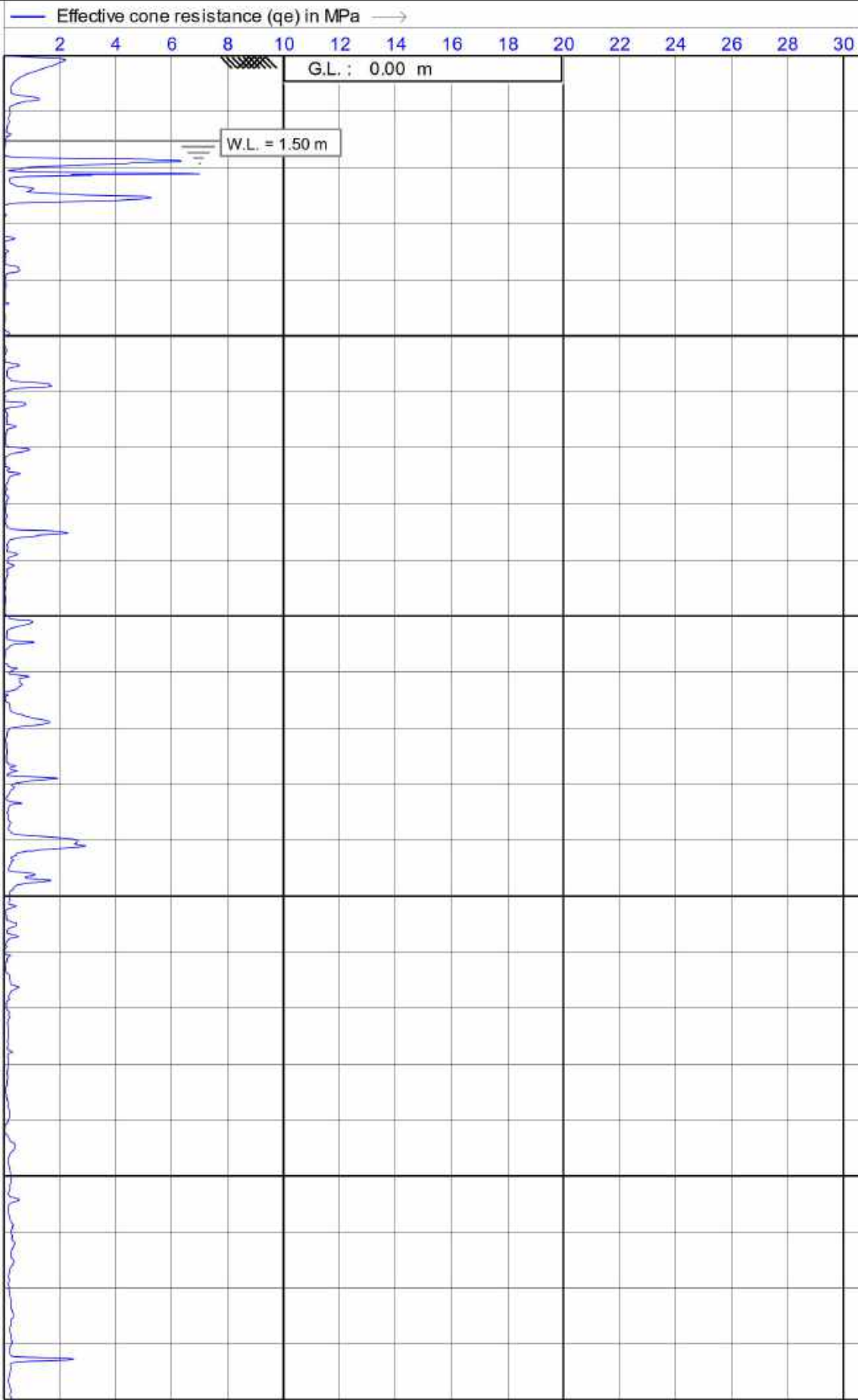
CPT no. : CPT_04A 7/30

← Depth in m to reference level ()



E.O.H: 30.00m (end depth reached)

← Depth in m to reference level ()



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.95998, -37.04815 WGS 84

Date : 14/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_04A 9/30

← 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

-24
-25
-26
-27
-28
-29
-30
-31
-32
-33
-34
-35
-36
-37
-38
-39
-40
-41
-42
-43
-44
-45
-46
-47
-48

E.O.H: 30.00m (end depth reached)

← 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

W.L. = 1.50 m



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

100 200 300 400 500 600 700

DRILLFORCE
THE DRILLING SPECIALISTS

Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.95998, -37.04815 WGS 84

Date : 14/04/2021

Cone no. : S10CFIP.S16082

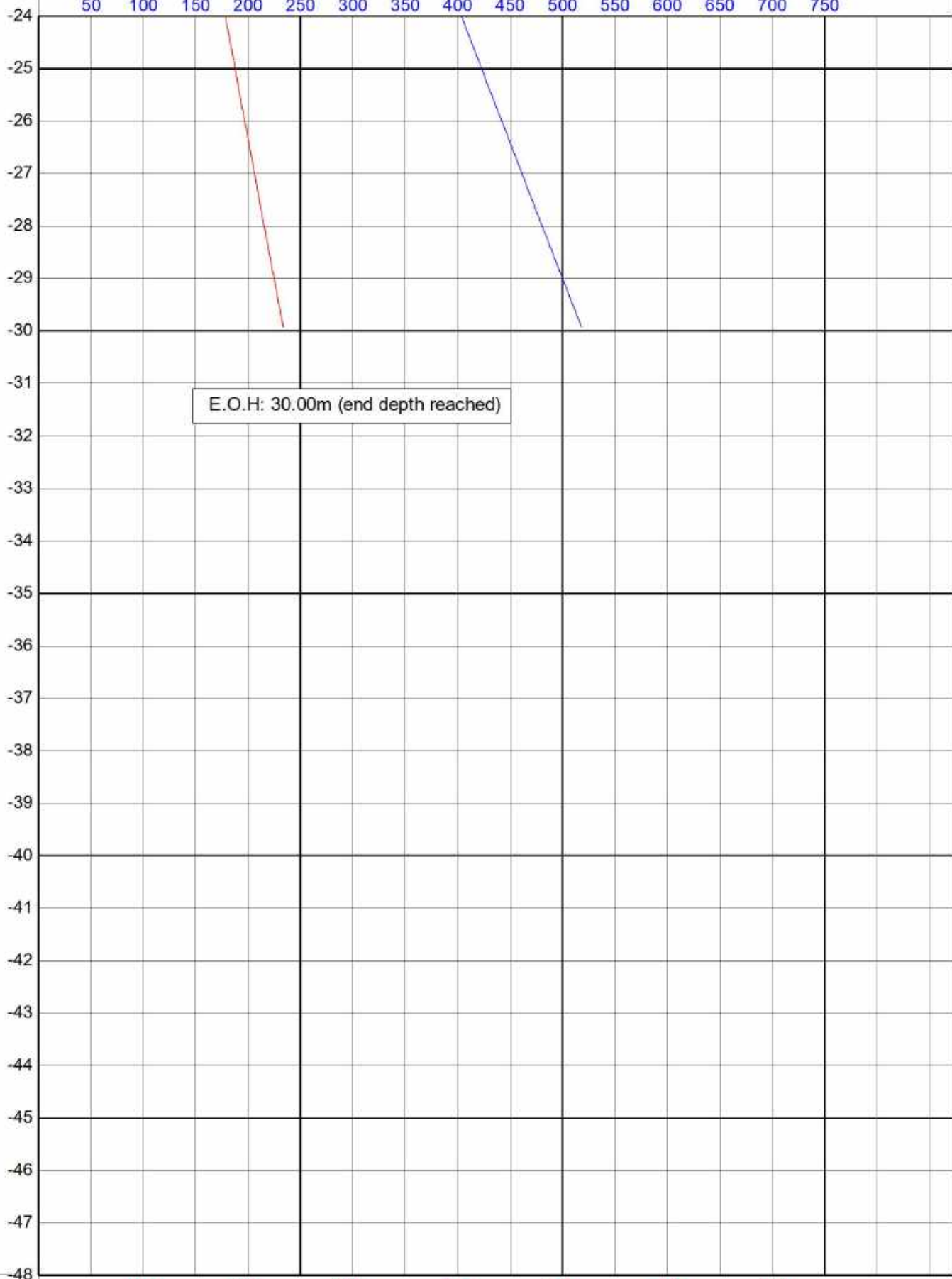
Project no. : **DF21GE034**

CPT no. : CPT_04A 11/30

← 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



E.O.H: 30.00m (end depth reached)

100 200 300 400 500 600 700
— Effective vertical stress (rov,z') in kPa →



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.95998, -37.04815 WGS 84

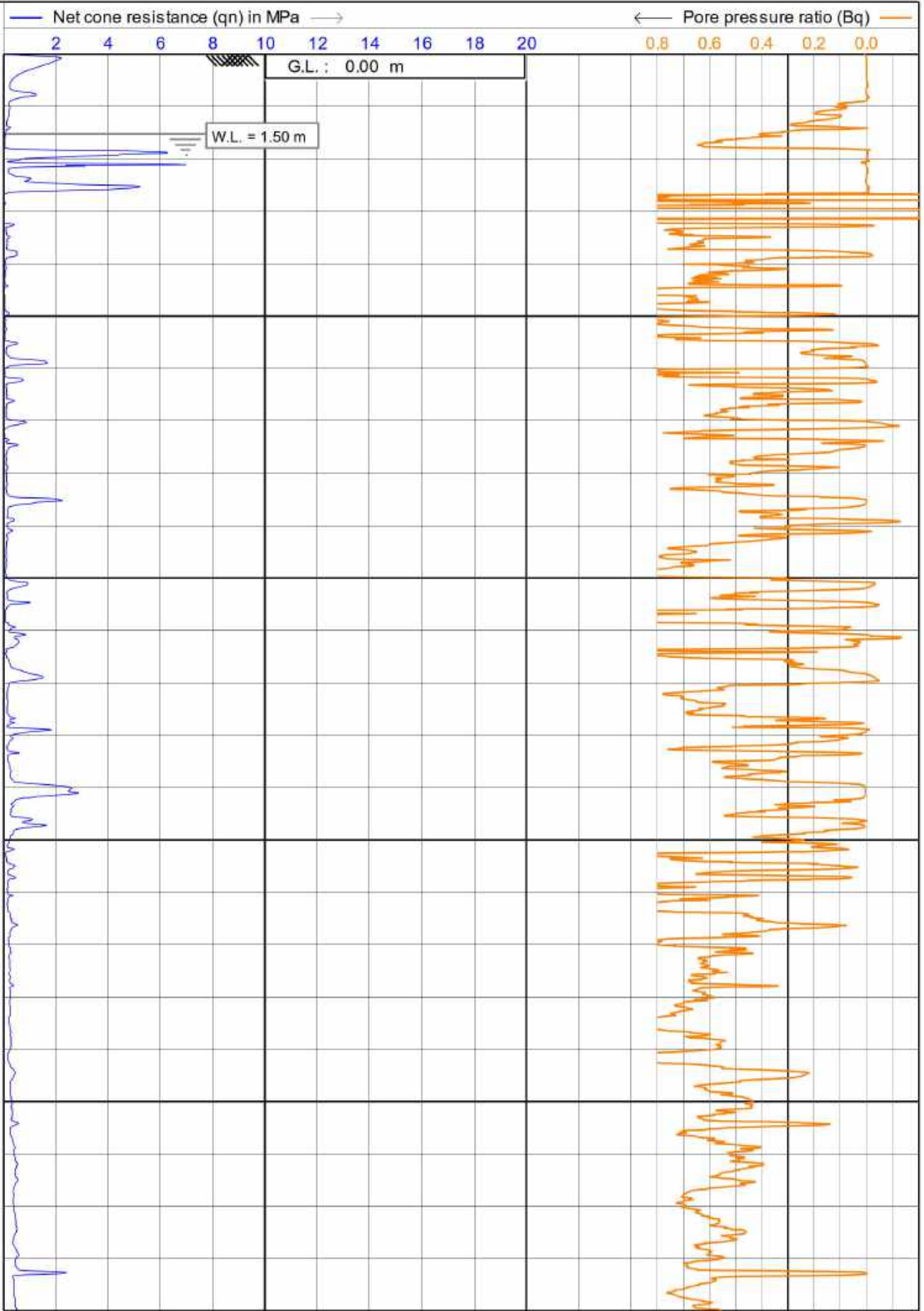
Date : 14/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_04A 12/30

← Depth in m to reference level ()



150 cm²
10 cm²



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.95998, -37.04815 WGS 84

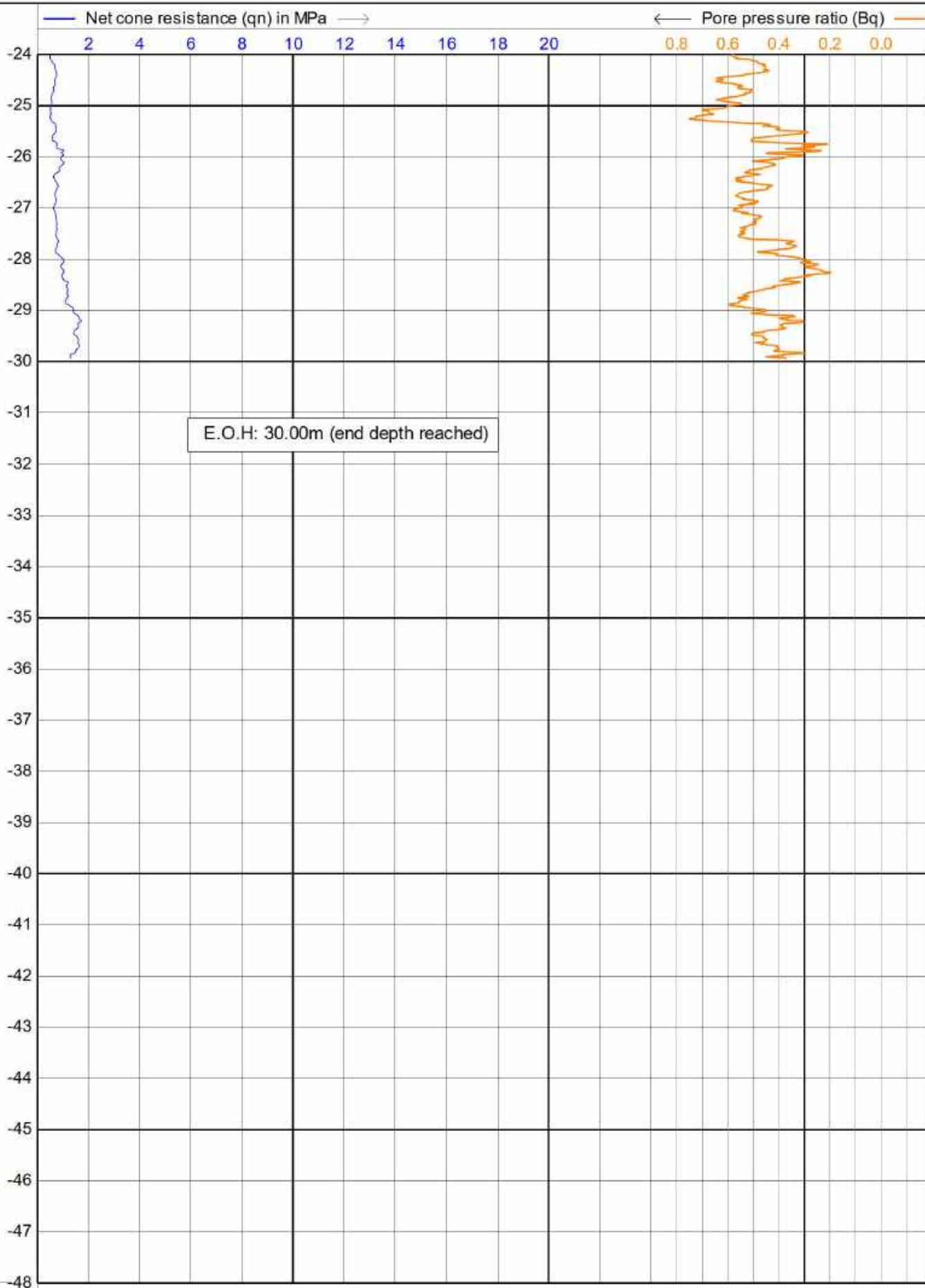
Date : 14/04/2021

Cone no. : S10CFIP.S16082

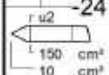
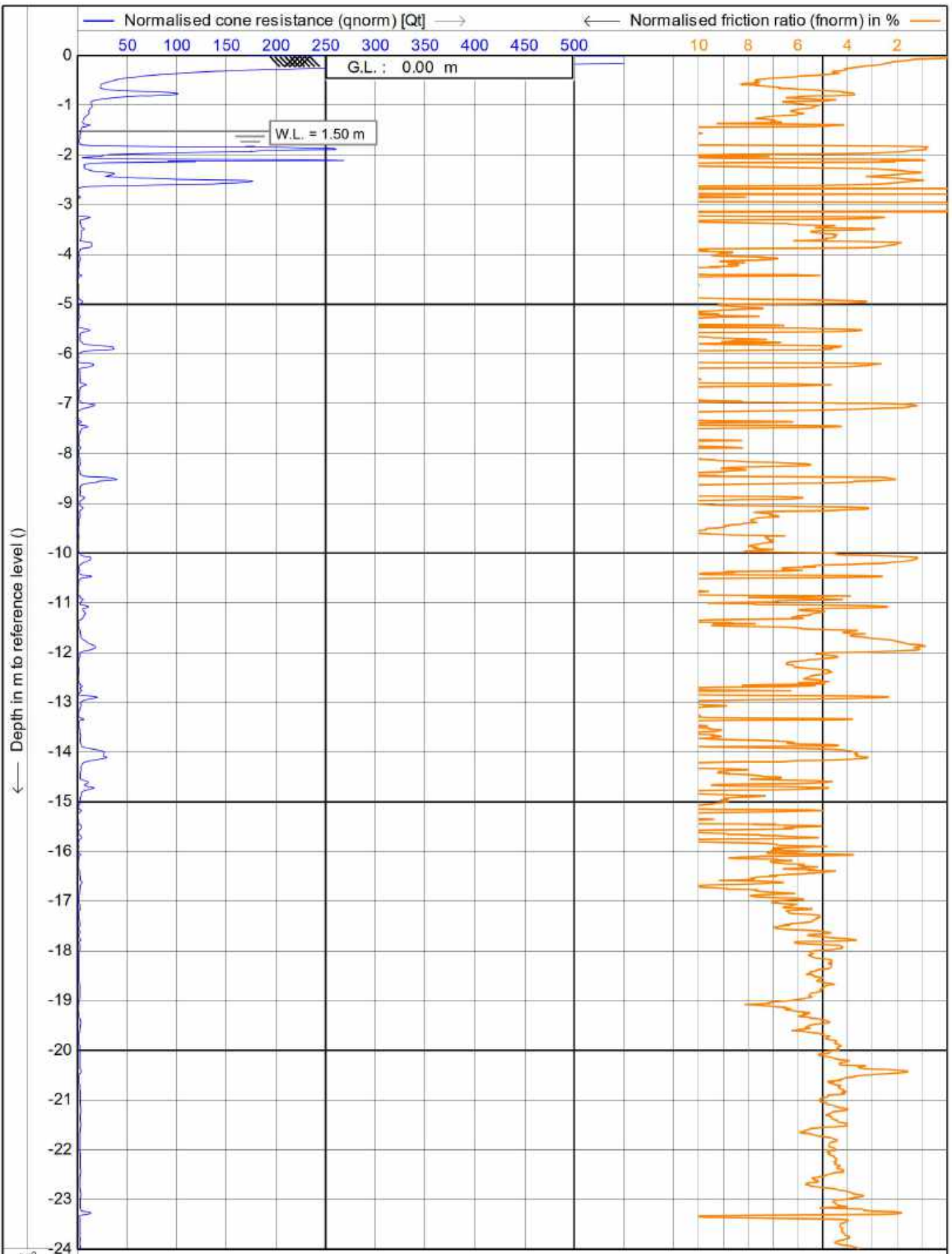
Project no. : DF21GE034

CPT no. : CPT_04A 13/30

← Depth in m to reference level ()



E.O.H: 30.00m (end depth reached)



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.95998, -37.04815 WGS 84

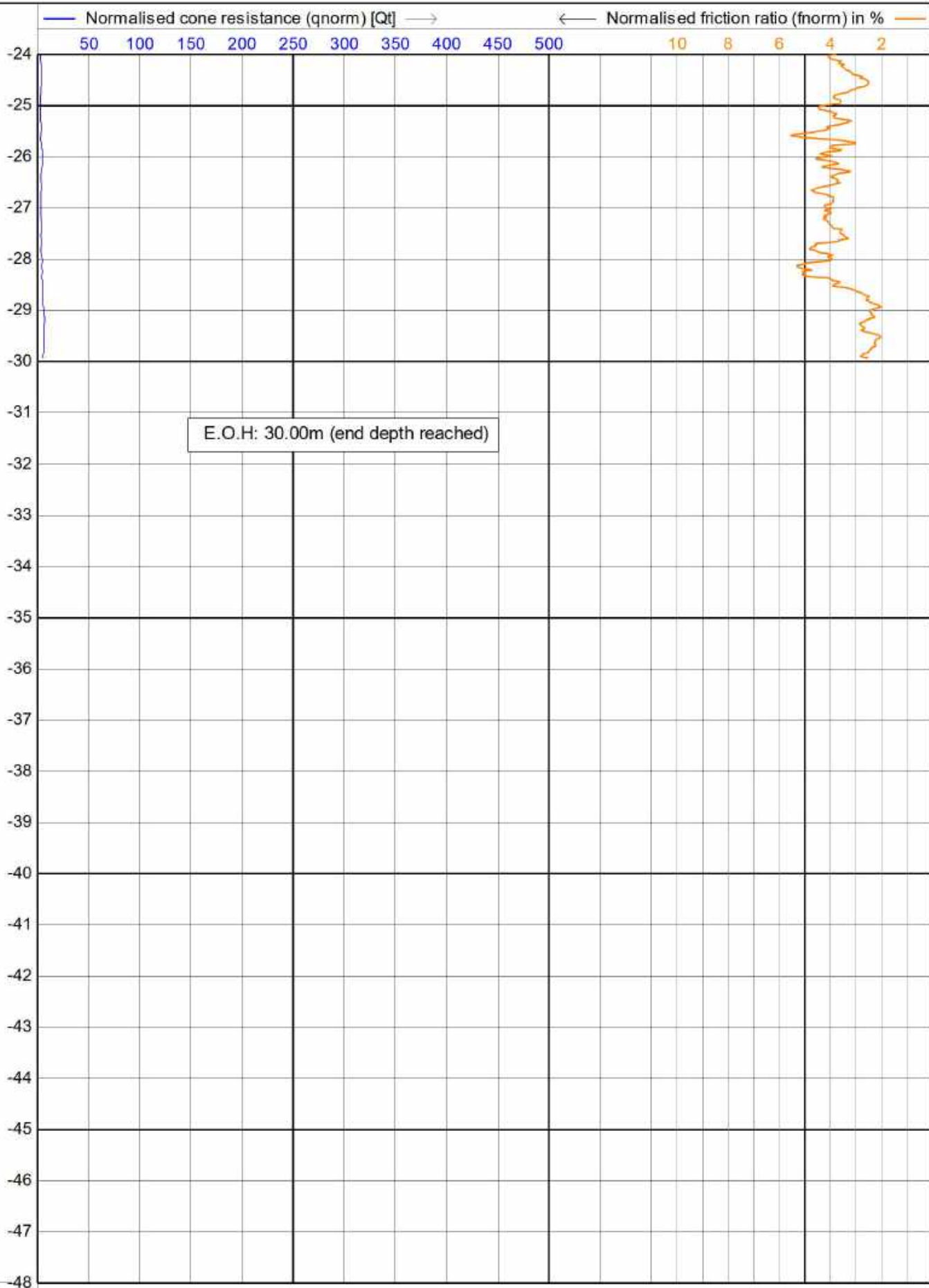
Date : 14/04/2021

Cone no. : S10CFIP.S16082

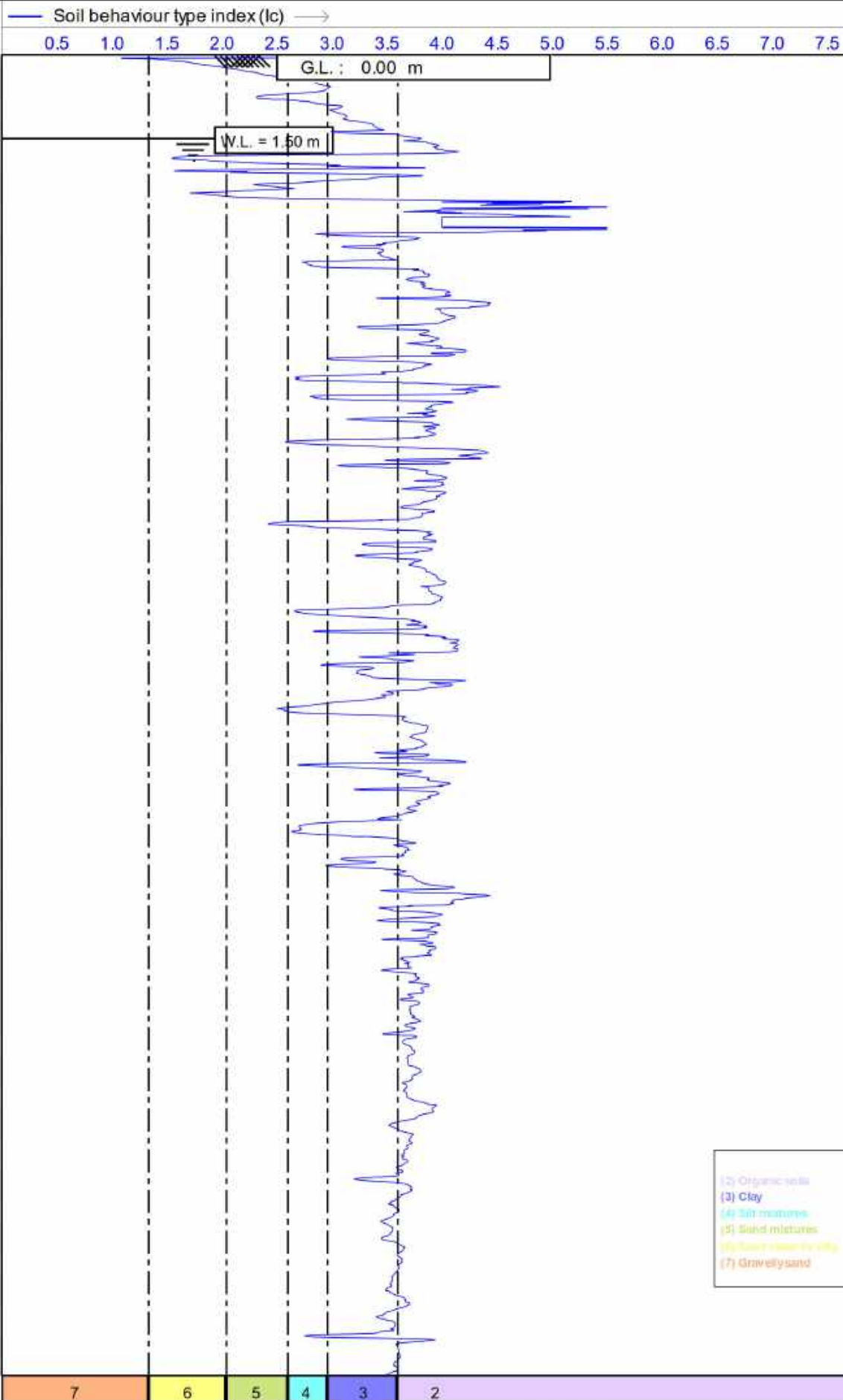
Project no. : DF21GE034

CPT no. : CPT_04A 15/30

← Depth in m to reference level ()



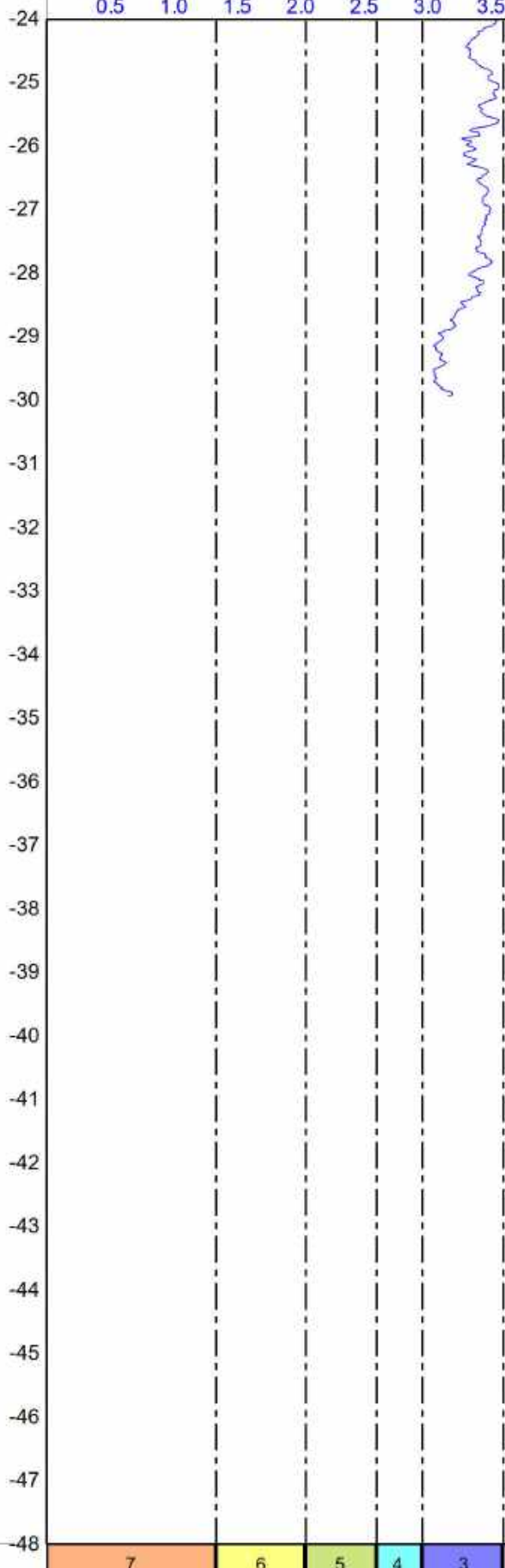
← Depth in m to reference level ()



← 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



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



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.95998, -37.04815 WGS 84

Date : 14/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_04A 18/30

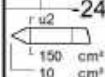
← Depth in m to reference level ()

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

W.L. = 1.50 m



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.95998, -37.04815 WGS 84

Date : 14/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_04A 19/30

← 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

-24
-25
-26
-27
-28
-29
-30
-31
-32
-33
-34
-35
-36
-37
-38
-39
-40
-41
-42
-43
-44
-45
-46
-47
-48

E.O.H: 30.00m (end depth reached)



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.95998, -37.04815 WGS 84

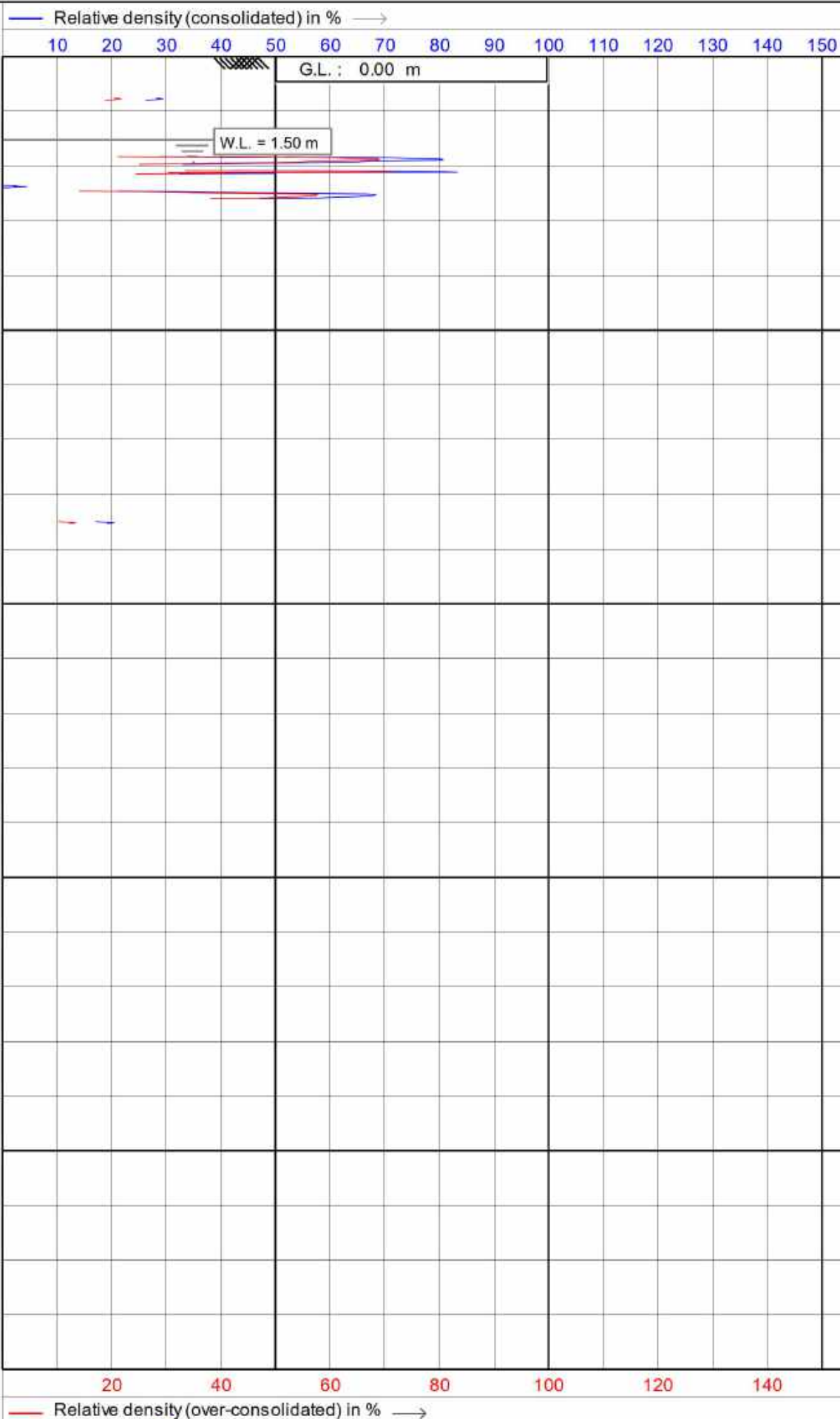
Date : 14/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_04A 20/30

← Depth in m to reference level ()



DRILL FORCE
THE DRILLING SPECIALISTS

Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.95998, -37.04815 WGS 84

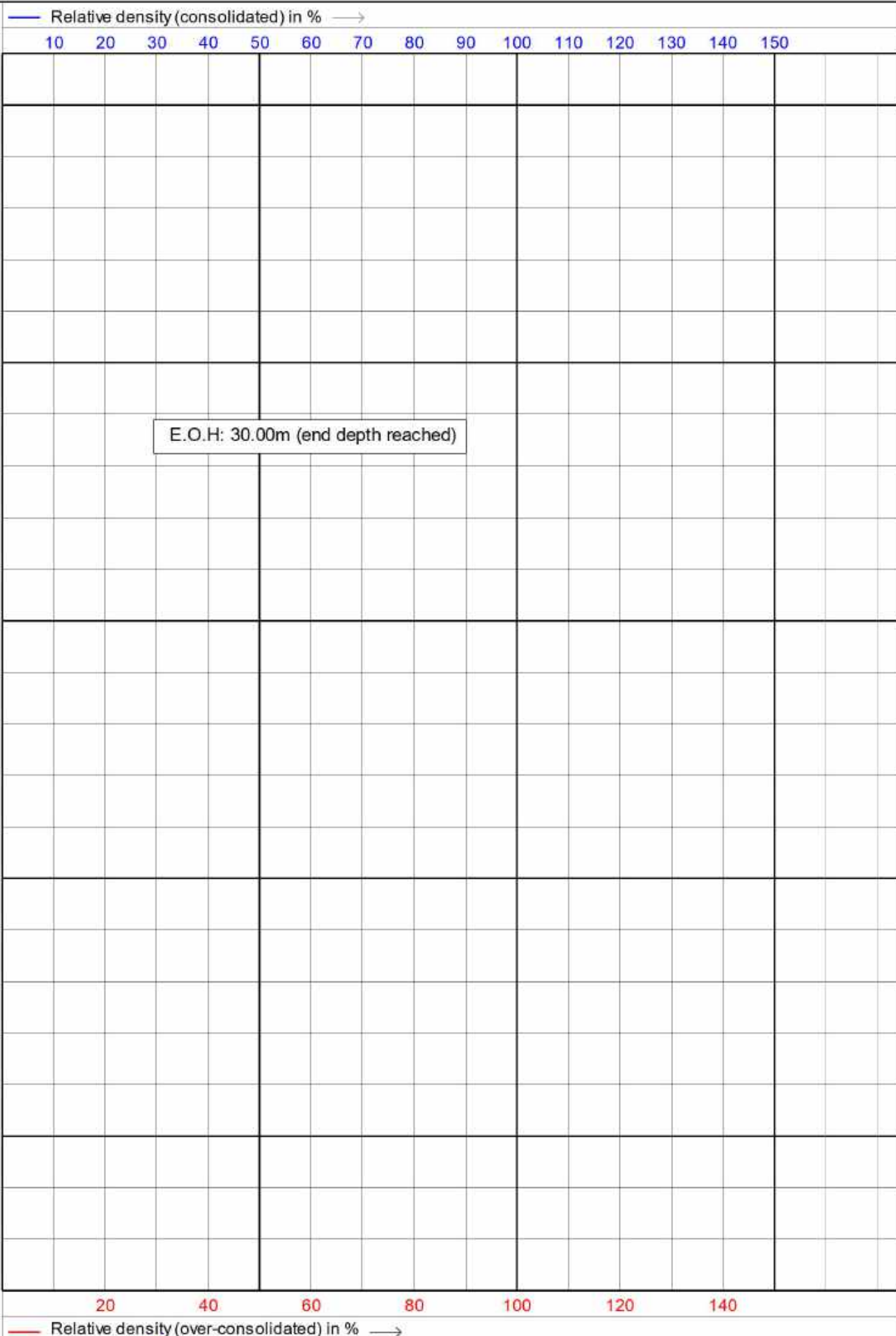
Date : 14/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_04A 21/30

← Depth in m to reference level ()



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.95998, -37.04815 WGS 84

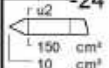
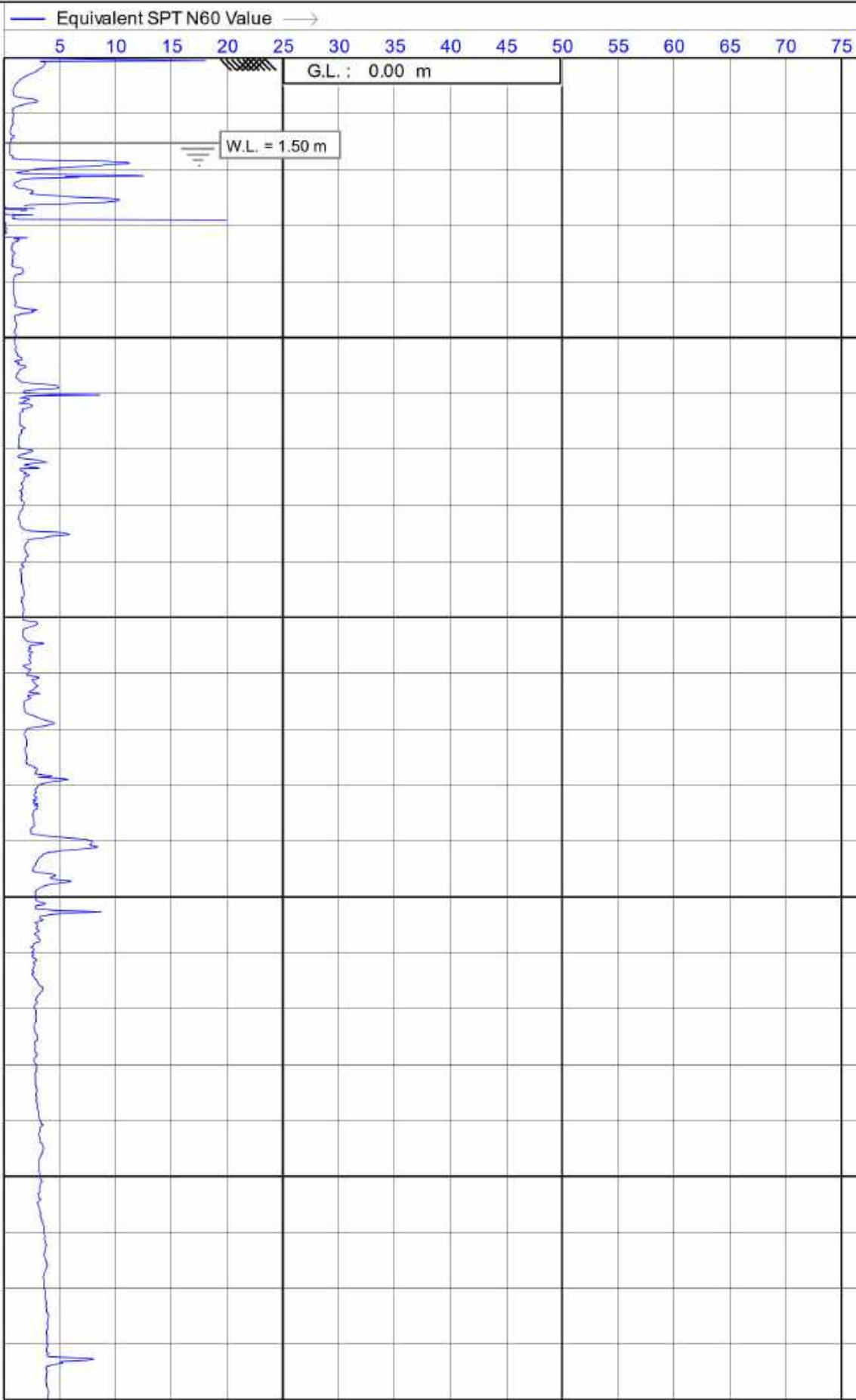
Date : 14/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_04A 22/30

← Depth in m to reference level ()



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.95998, -37.04815 WGS 84

Date : 14/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_04A 23/30

← 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

-24
-25
-26
-27
-28
-29
-30
-31
-32
-33
-34
-35
-36
-37
-38
-39
-40
-41
-42
-43
-44
-45
-46
-47
-48

E.O.H: 30.00m (end depth reached)



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.95998, -37.04815 WGS 84

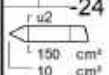
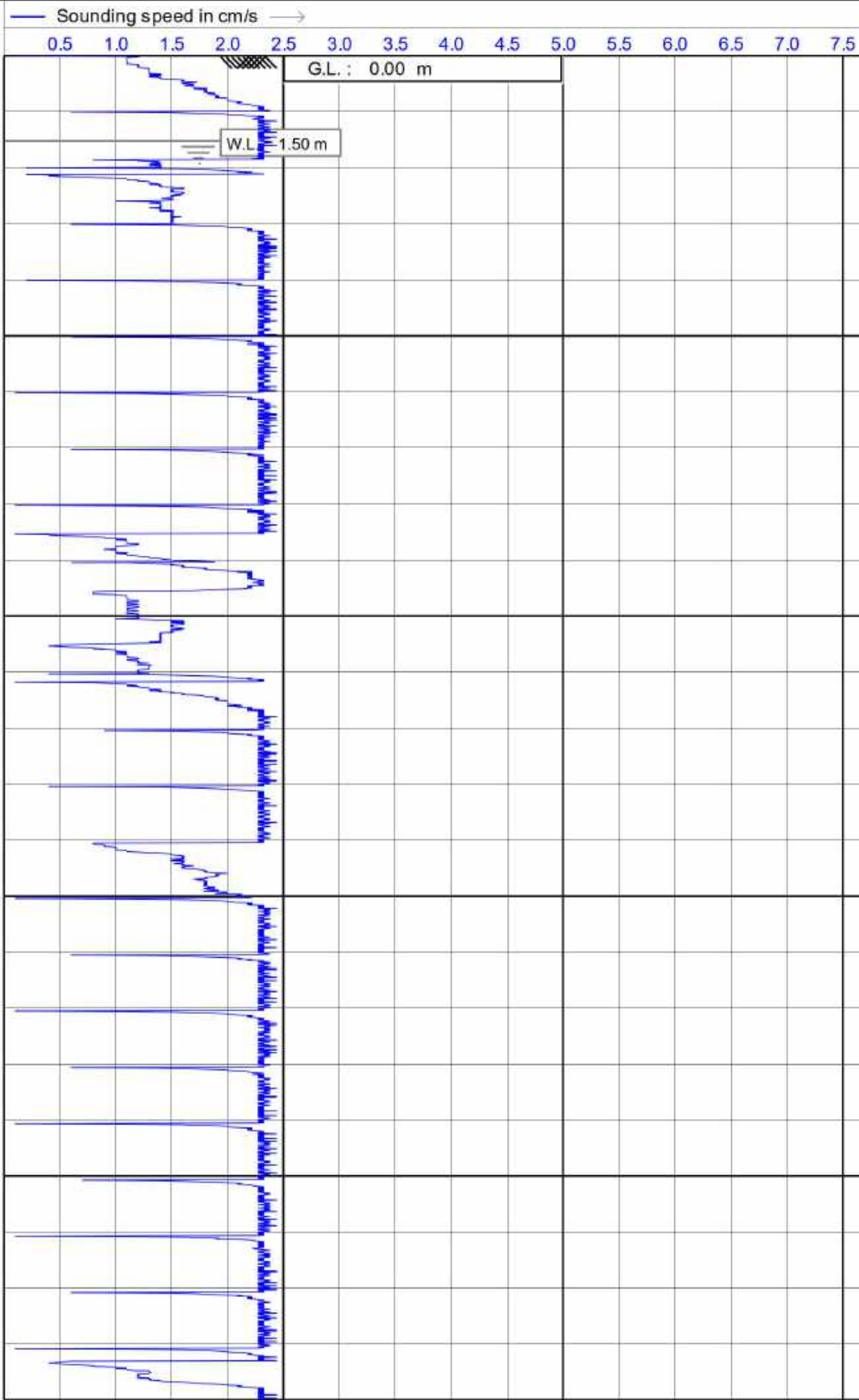
Date : 14/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_04A 24/30

← Depth in m to reference level ()



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

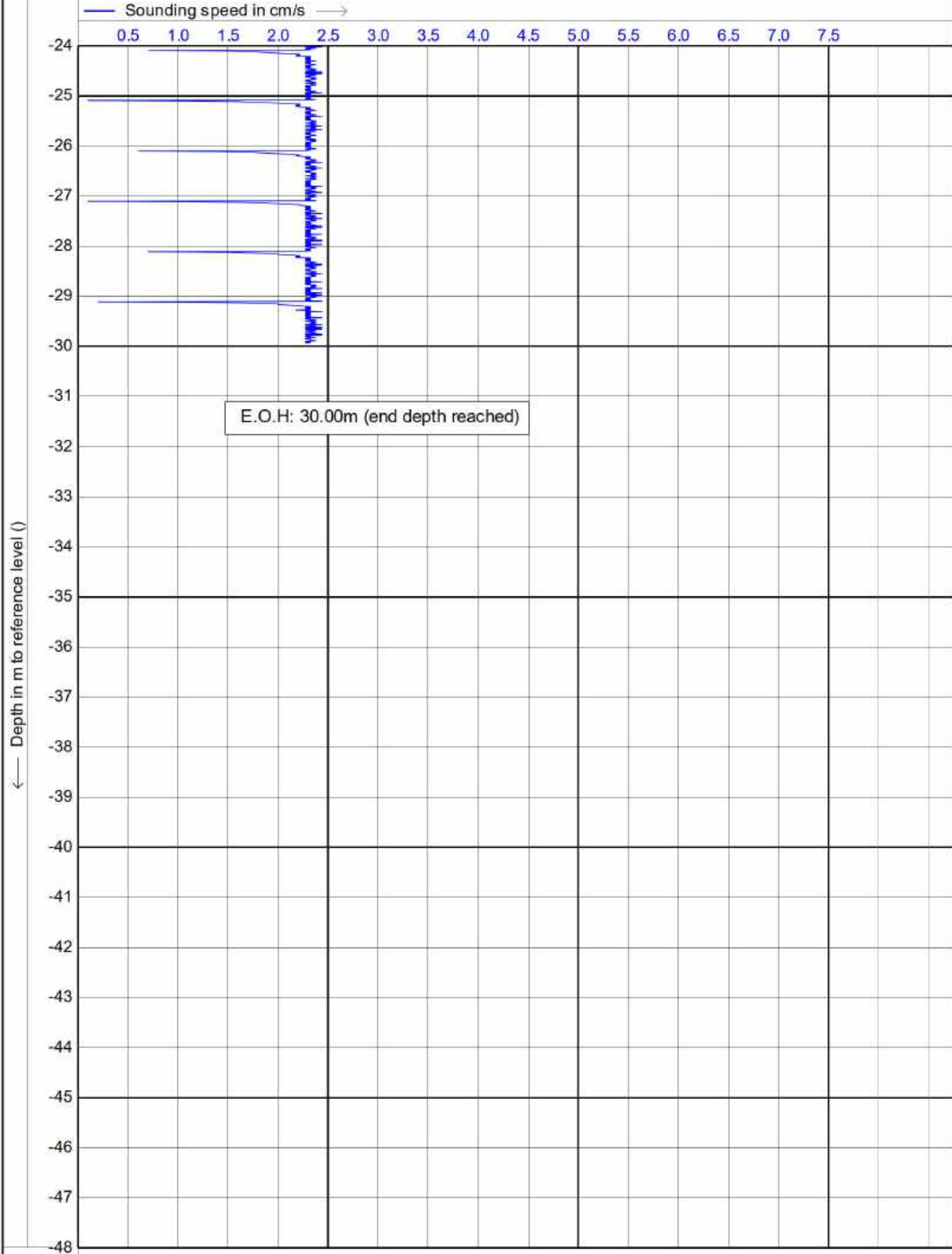
Position: 174.95998, -37.04815 WGS 84

Date : 14/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

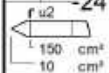
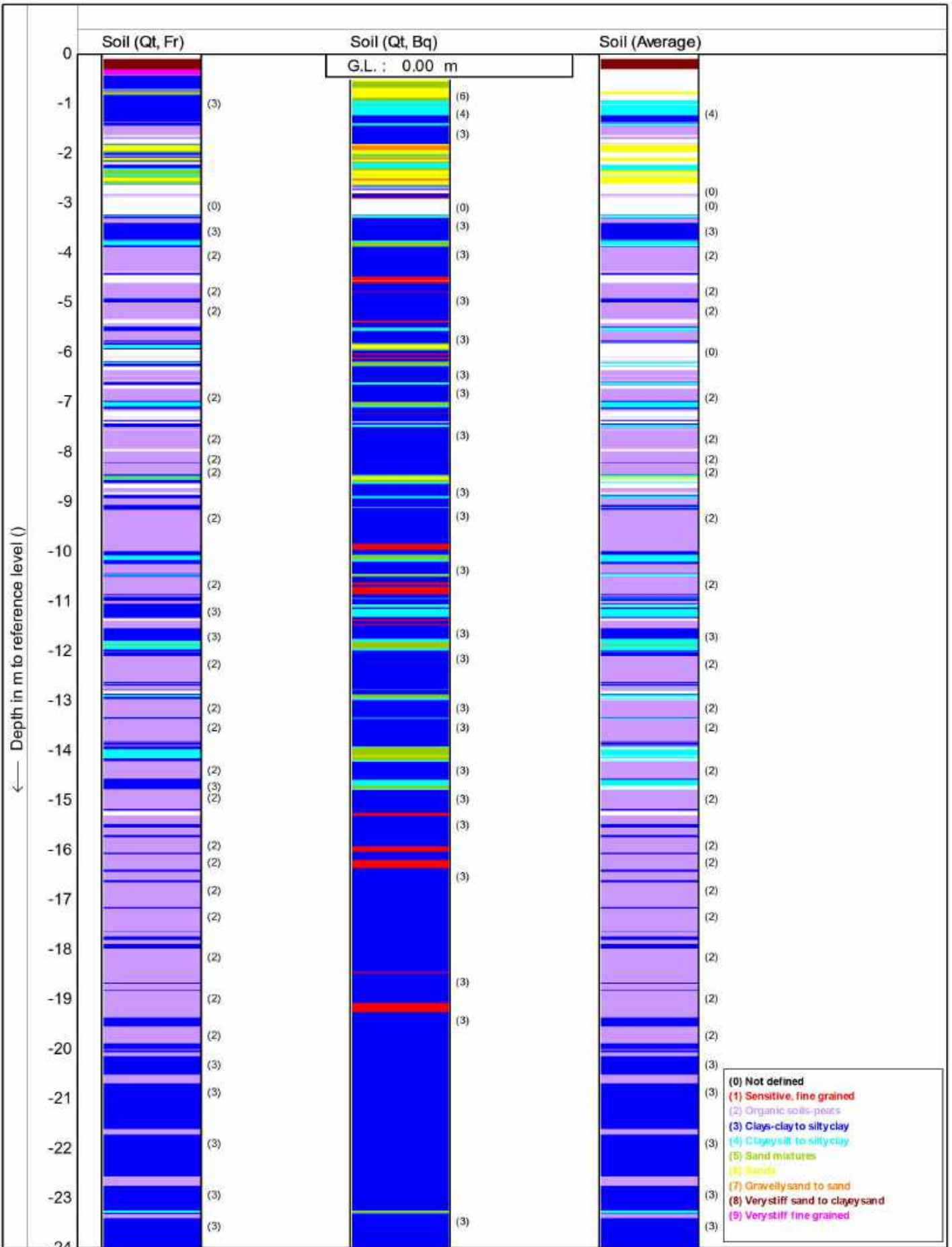
CPT no. : CPT_04A 25/30



Test according NEN 5140 class 1
 Project : **Hamlin Rd**
 Location: **Hamlin Rd, Ardmore**
 Position: **174.95998, -37.04815 WGS 84**

Date : **14/04/2021**
 Cone no. : **S10CFIP.S16082**
 Project no. : **DF21GE034**
 CPT no. : **CPT_04A** 26/30

Depth in m to reference level ()



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.95998, -37.04815 WGS 84

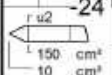
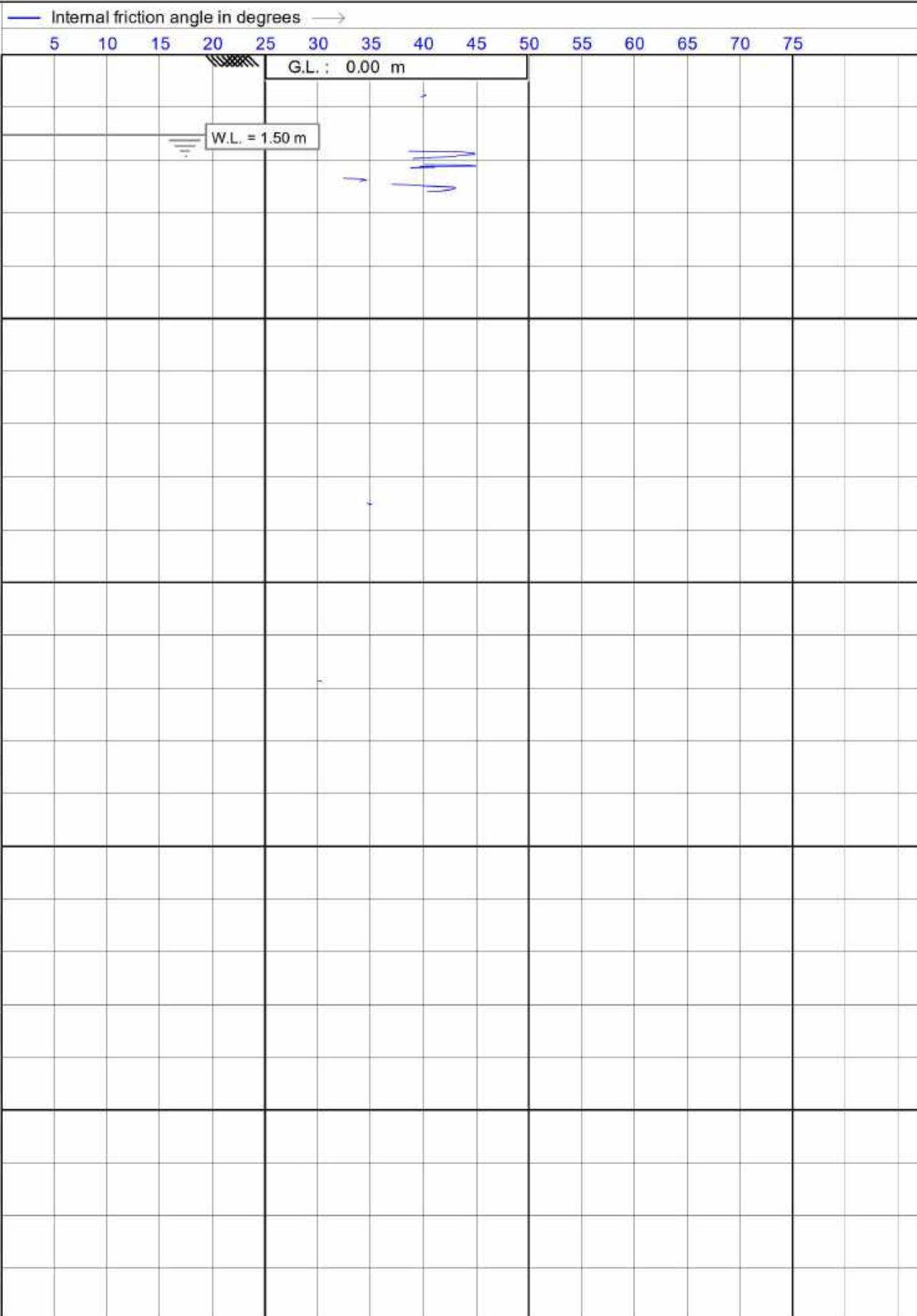
Date : 14/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_04A 27/30

← Depth in m to reference level ()



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.95998, -37.04815 WGS 84

Date : 14/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_04A 29/30

← 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

-24
-25
-26
-27
-28
-29
-30
-31
-32
-33
-34
-35
-36
-37
-38
-39
-40
-41
-42
-43
-44
-45
-46
-47
-48

E.O.H: 30.00m (end depth reached)



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

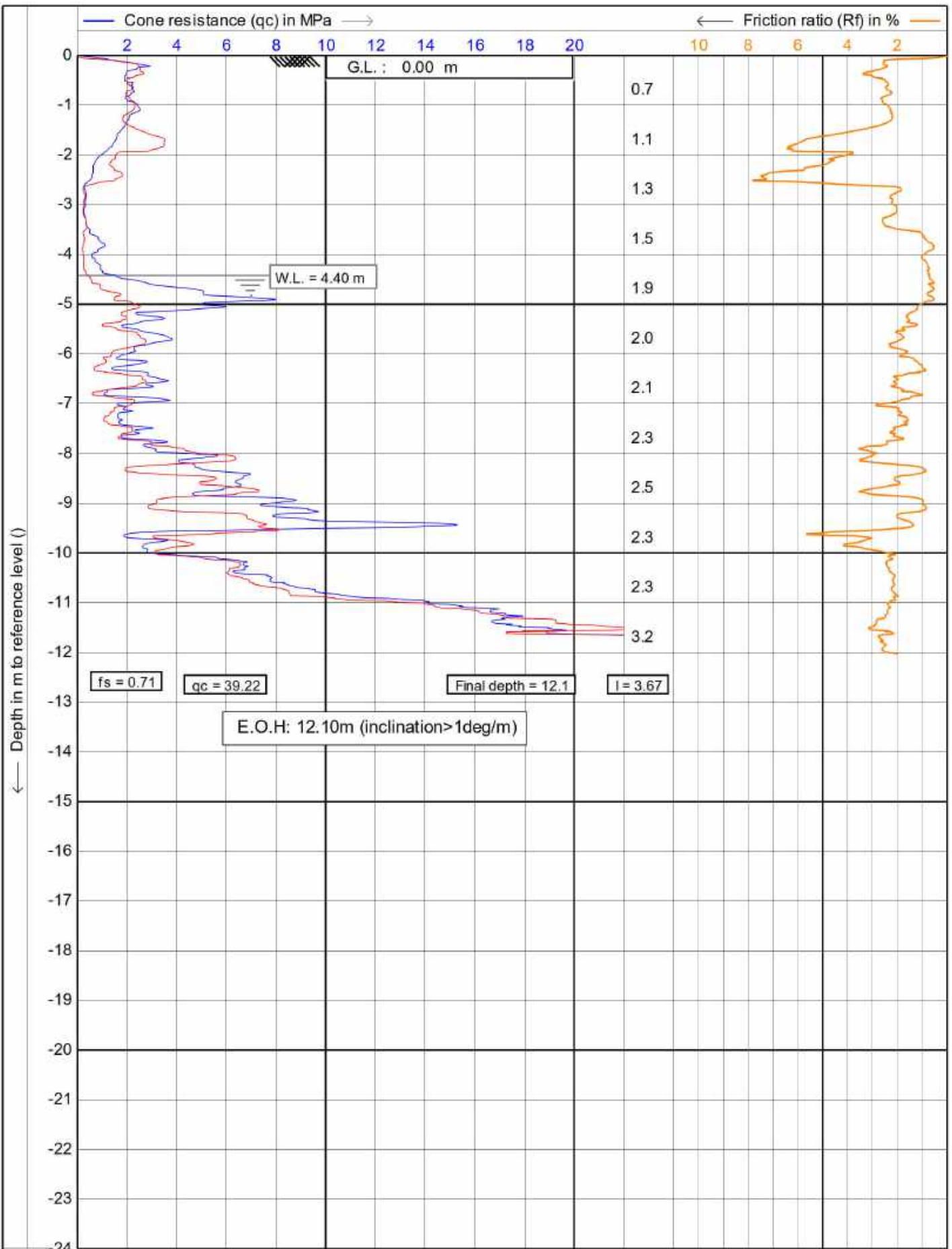
Position: 174.95998, -37.04815 WGS 84

Date : 14/04/2021

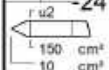
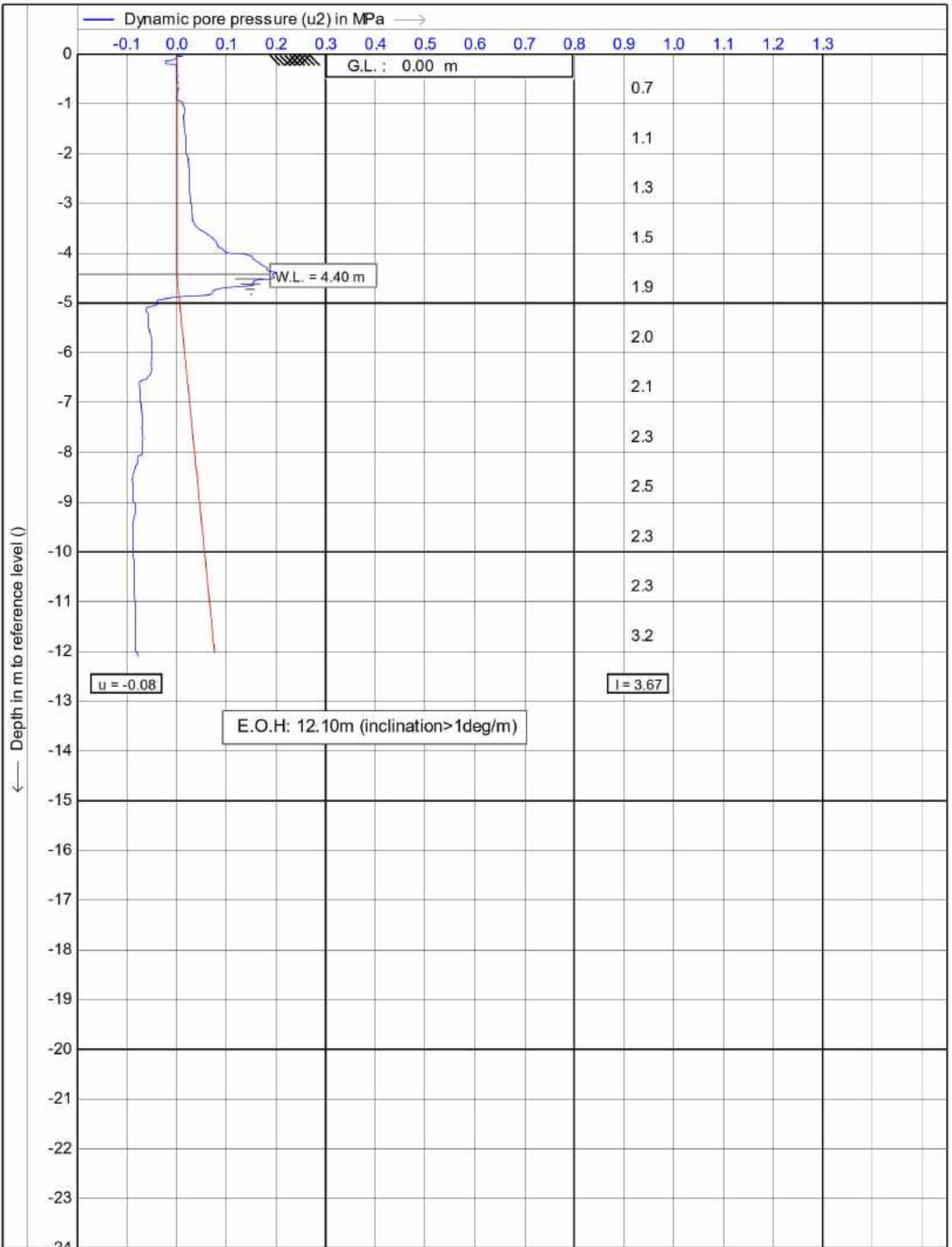
Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_04A 30/30



Depth in m to reference level ()

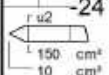
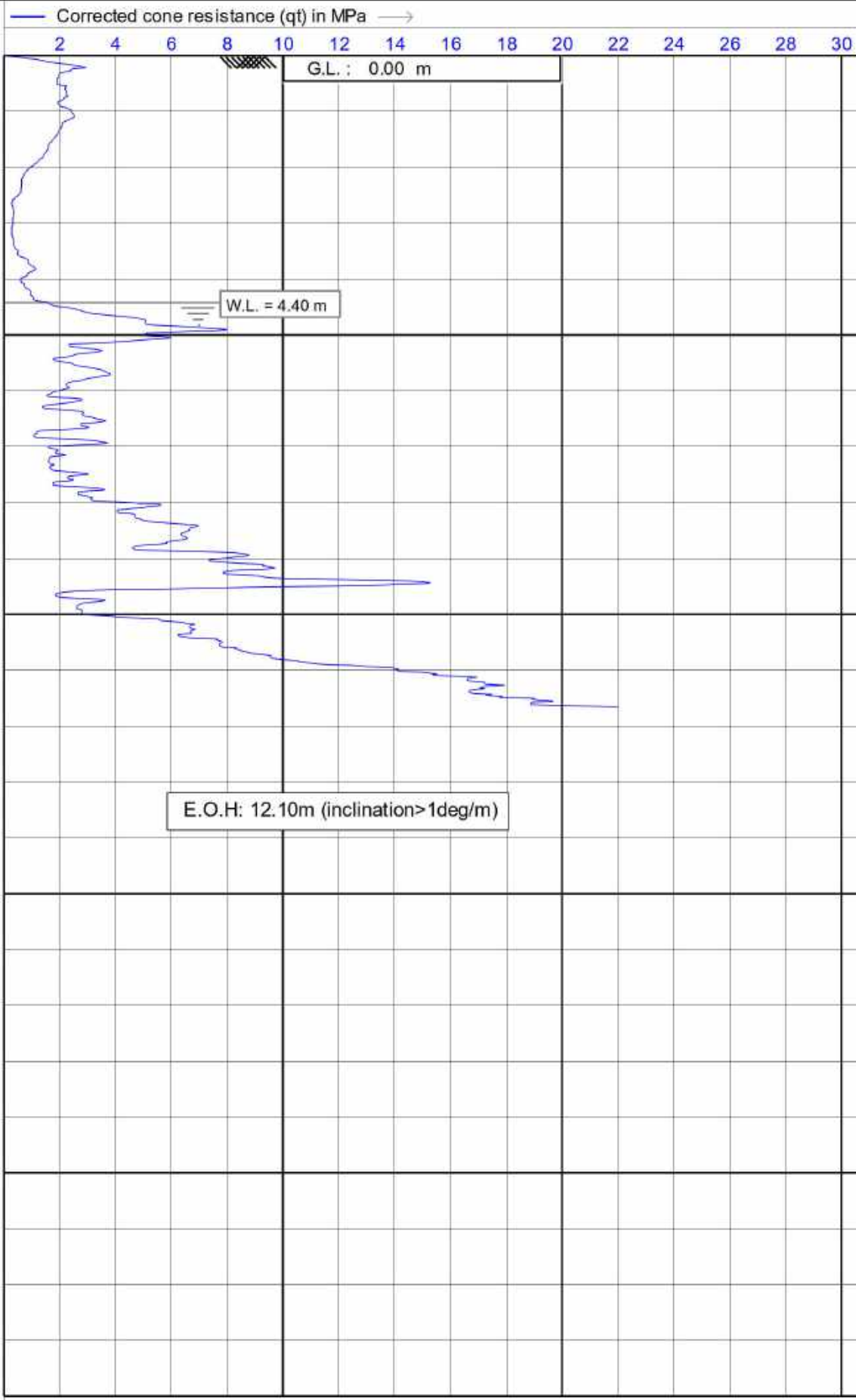


Equilibrium pore pressure (u0) in MPa →

Inclination (I) in degr

DRILLFORCE THE DRILLING SPECIALISTS	Test according NEN 5140 class 1		Date : 15/04/2021	
	Project : Hamlin Rd		Cone no. : S10CFIP.S16082	
	Location: Hamlin Rd, Ardmore		Project no. : DF21GE034	
	Position: 174.96638, -37.04421 WGS 84		CPT no. : CPT_05 2/15	

← Depth in m to reference level ()



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96638, -37.04421 WGS 84

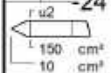
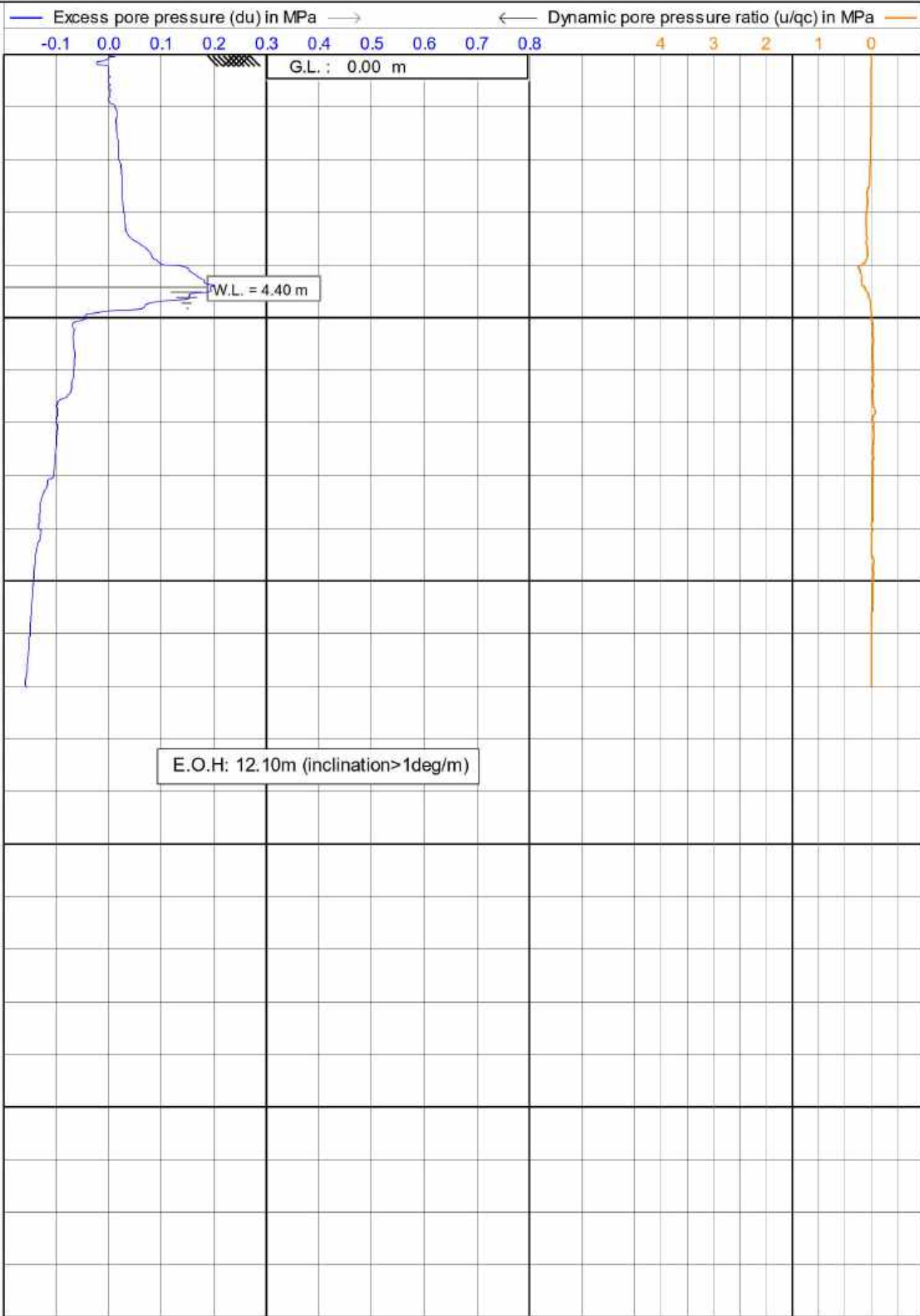
Date : 15/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_05 3/15

← Depth in m to reference level ()



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96638, -37.04421 WGS 84

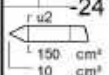
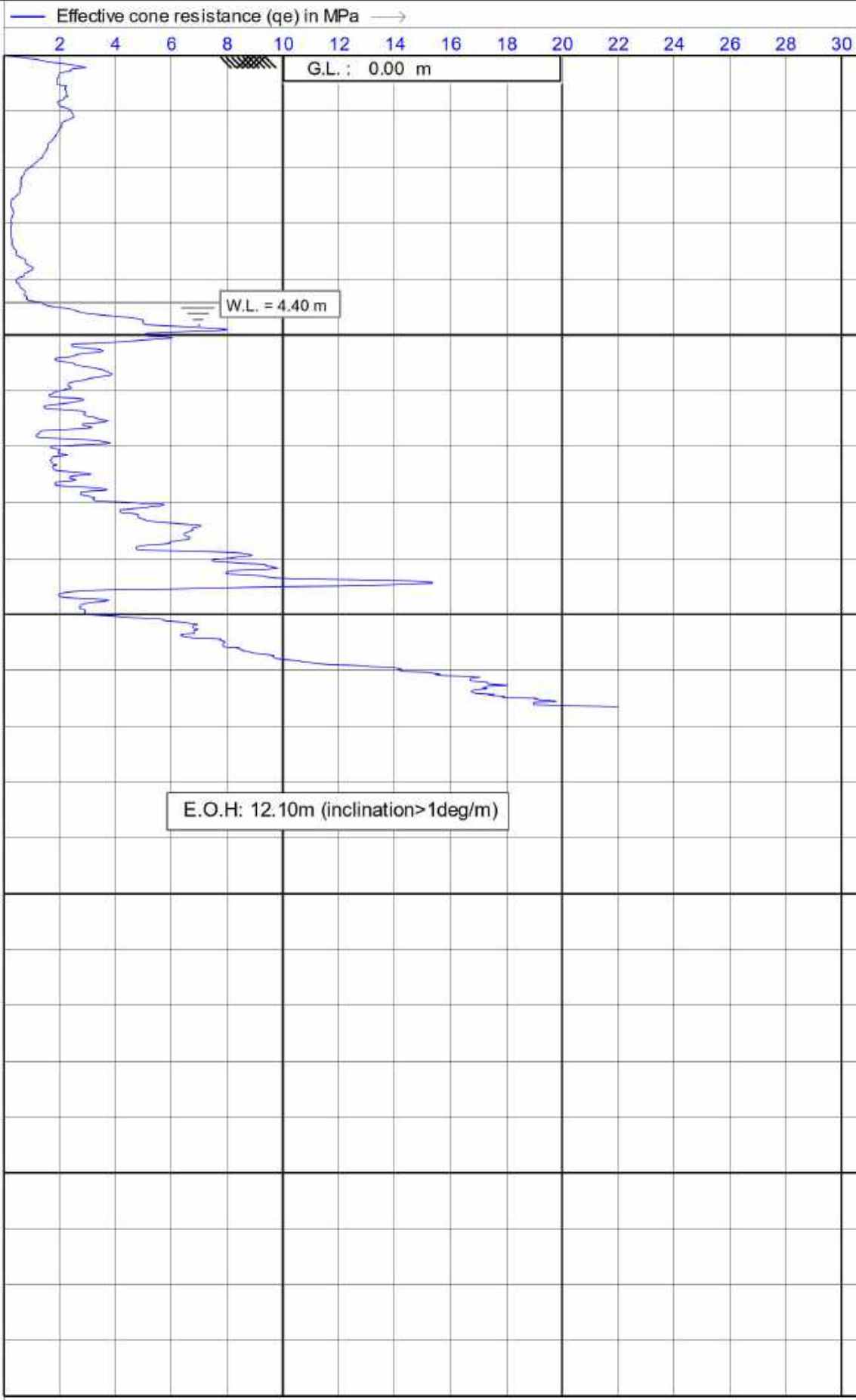
Date : 15/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_05 4/15

← Depth in m to reference level ()



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96638, -37.04421 WGS 84

Date : 15/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_05 5/15

← 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

W.L. = 4.40 m

E.O.H: 12.10m (inclination>1deg/m)

100 200 300 400 500 600 700

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



DRILLFORCE
THE DRILLING SPECIALISTS

Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

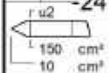
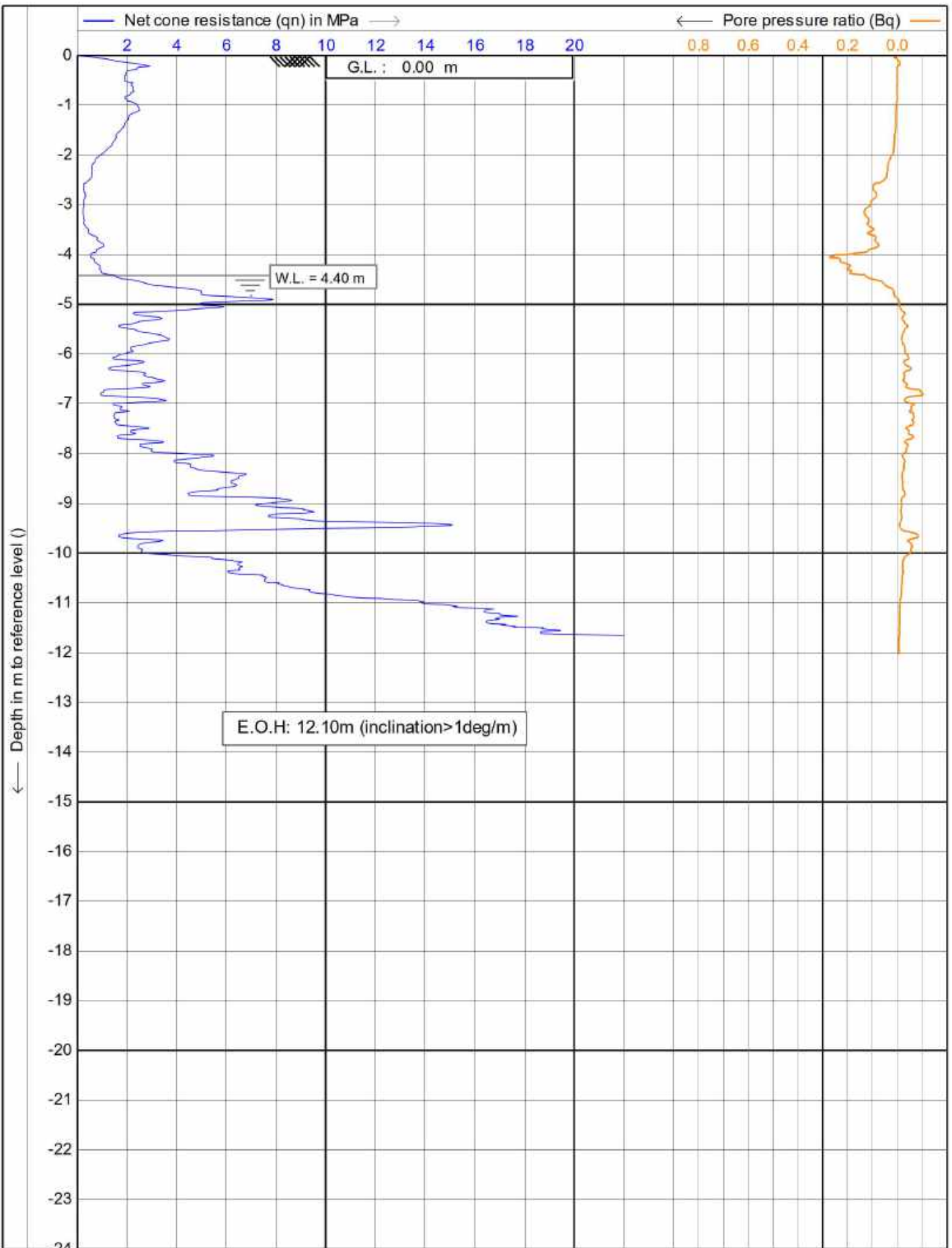
Position: 174.96638, -37.04421 WGS 84

Date : 15/04/2021

Cone no. : S10CFIP.S16082

Project no. : **DF21GE034**

CPT no. : **CPT_05** 6/15



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

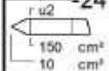
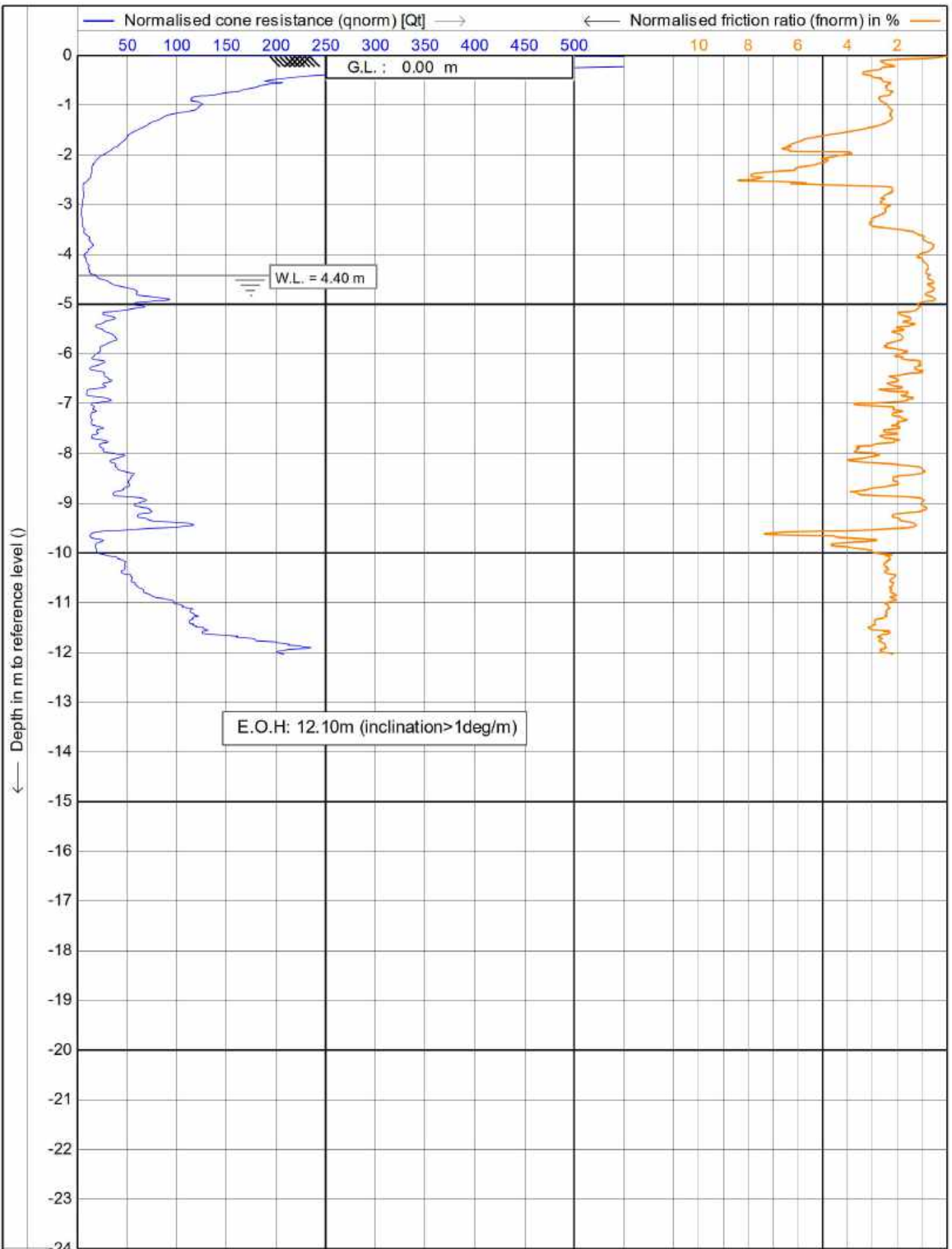
Position: 174.96638, -37.04421 WGS 84

Date : 15/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_05 7/15



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96638, -37.04421 WGS 84

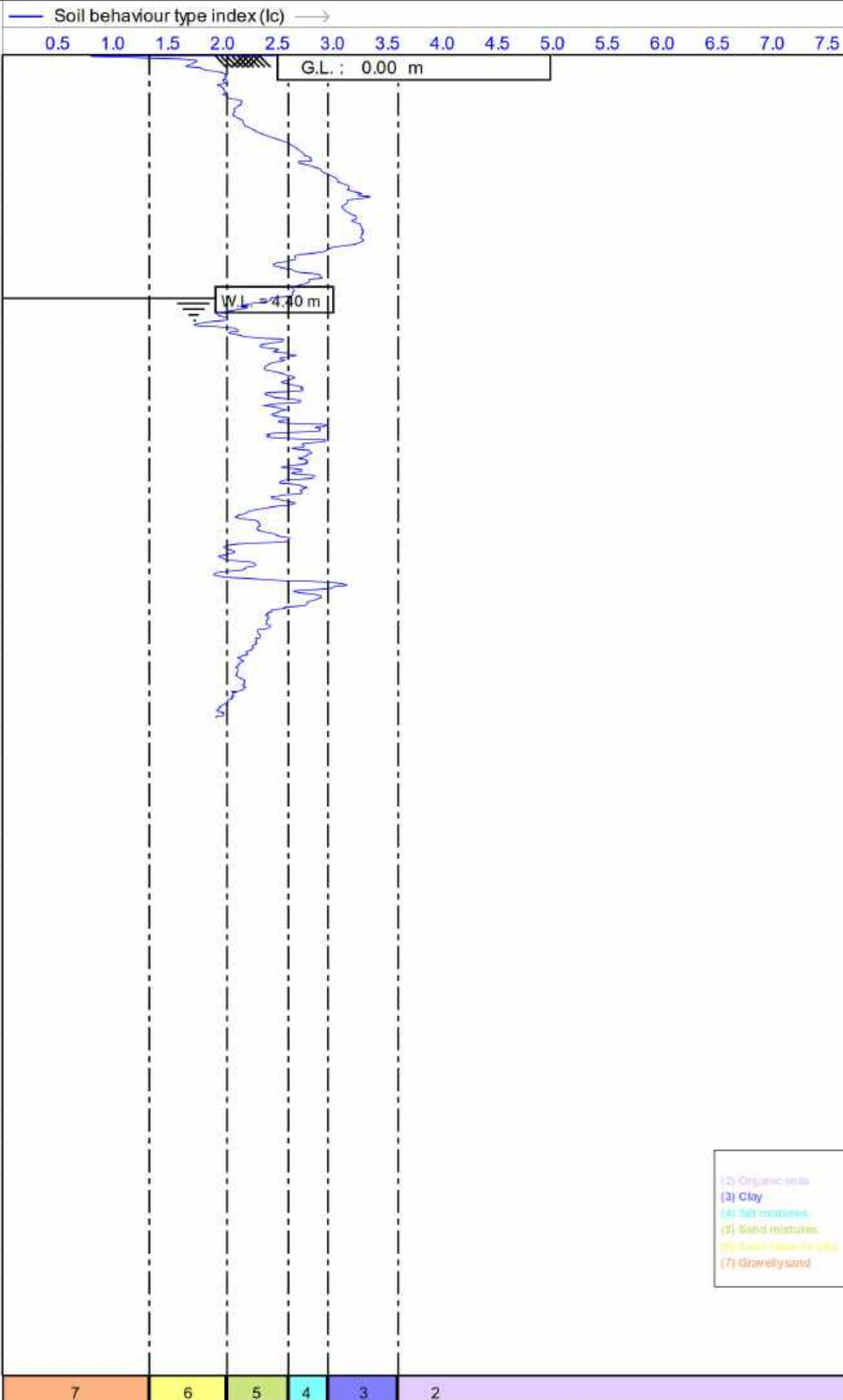
Date : 15/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_05 8/15

← Depth in m to reference level ()



← Depth in m to reference level ()

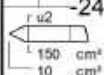
— Undrained shear strength (Su) in kPa →

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

G.L. : 0.00 m

W.L. = 4.40 m

E.O.H: 12.10m (inclination>1deg/m)



DRILLFORCE
THE DRILLING SPECIALISTS

Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96638, -37.04421 WGS 84

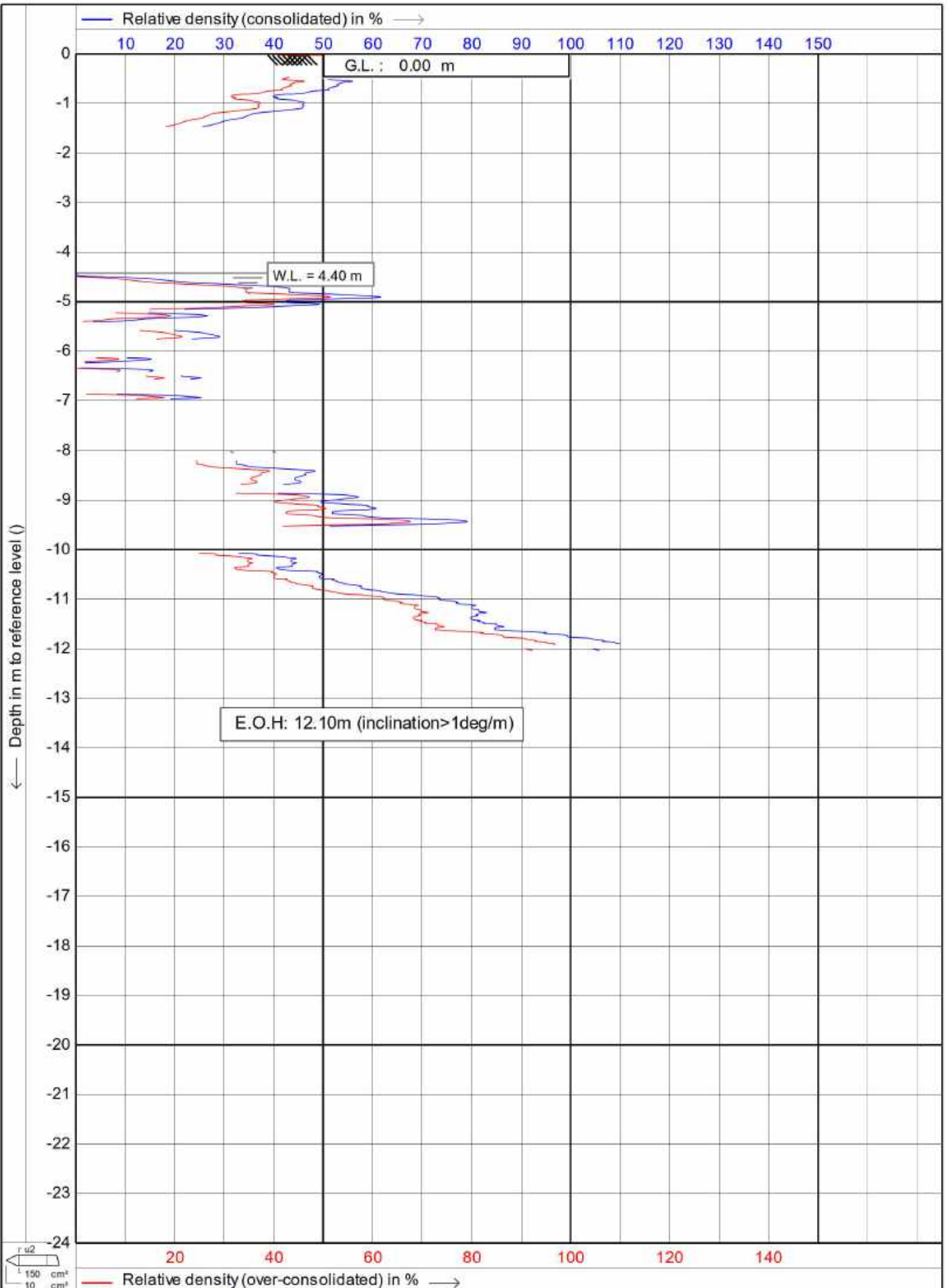
Date : 15/04/2021

Cone no. : S10CFIP.S16082

Project no. : **DF21GE034**

CPT no. : **CPT_05** 10/15

Depth in m to reference level ()



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96638, -37.04421 WGS 84

Date : 15/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_05 11/15

← Depth in m to reference level ()

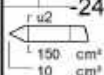
Equivalent SPT N60 Value →

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

G.L. : 0.00 m

W.L. = 4.40 m

E.O.H: 12.10m (inclination>1deg/m)



DRILLFORCE
THE DRILLING SPECIALISTS

Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96638, -37.04421 WGS 84

Date : 15/04/2021

Cone no. : S10CFIP.S16082

Project no. : **DF21GE034**

CPT no. : **CPT_05** 12/15

← Depth in m to reference level ()

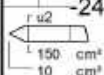
— Sounding speed in cm/s →

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

W.L. : 4.40 m

E.O.H: 12.10m (inclination>1deg/m)



DRILLFORCE
THE DRILLING SPECIALISTS

Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

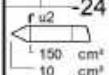
Position: 174.96638, -37.04421 WGS 84

Date : 15/04/2021

Cone no. : S10CFIP.S16082

Project no. : **DF21GE034**

CPT no. : **CPT_05** 13/15



DRILLFORCE
THE DRILLING SPECIALISTS

Project : **Hamlin Rd**
Location: **Hamlin Rd, Ardmore**
Position: **174.96638, -37.04421 WGS 84**

Date	: 15/04/2021	
Cone no.	: S10CFIIP.S16082	
Project no.:	DF21GE034	
CPT no.	: CPT 05	14/15

Depth in m to reference level ()

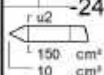
Internal friction angle in degrees →

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

G.L. : 0.00 m

W.L. = 4.40 m

E.O.H: 12.10m (inclination>1deg/m)



DRILLFORCE
THE DRILLING SPECIALISTS

Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96638, -37.04421 WGS 84

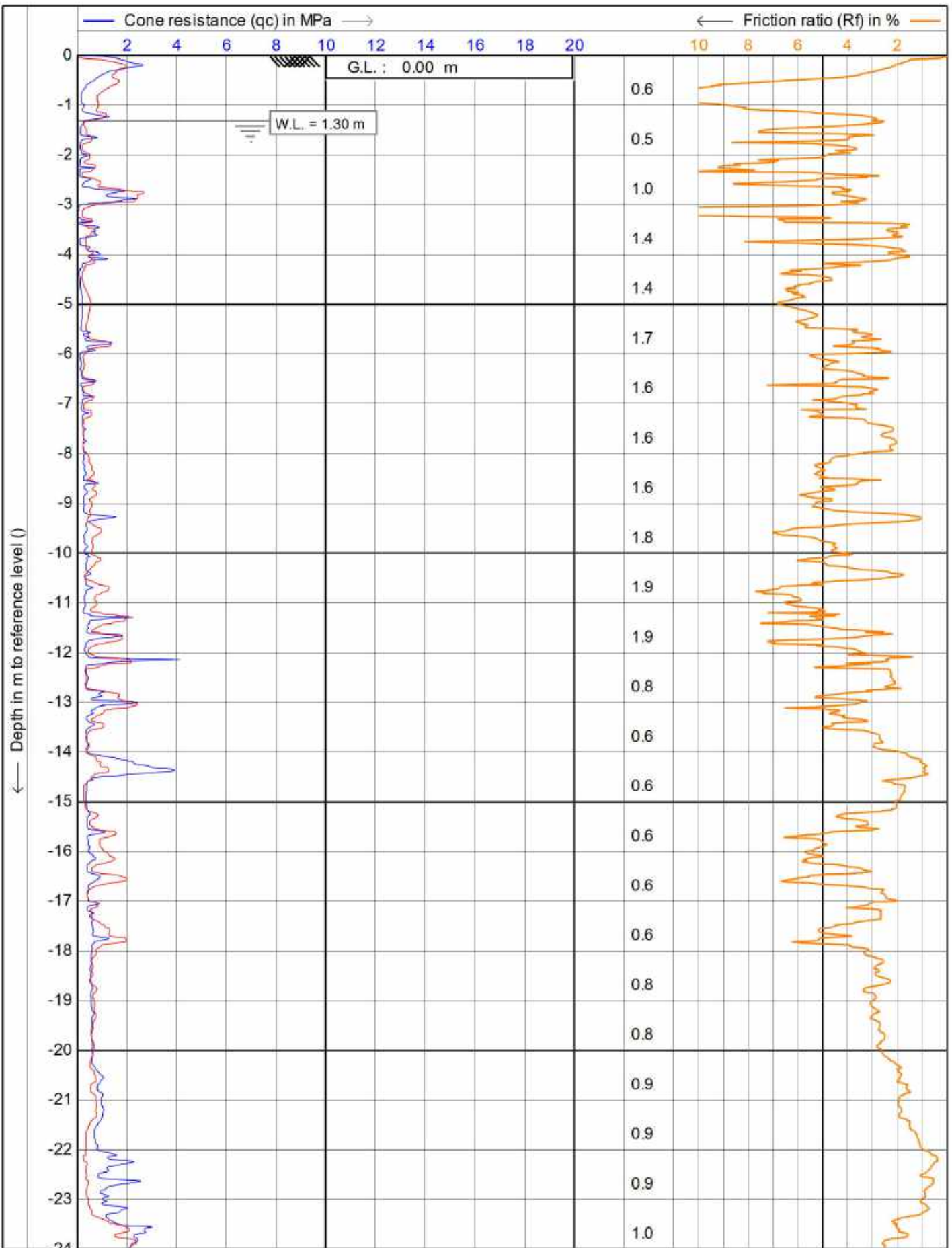
Date : 15/04/2021

Cone no. : S10CFIP.S16082

Project no. : **DF21GE034**

CPT no. : **CPT_05** 15/15

Depth in m to reference level ()



DRILLFORCE
THE DRILLING SPECIALISTS

Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96205, -37.04606 WGS 84

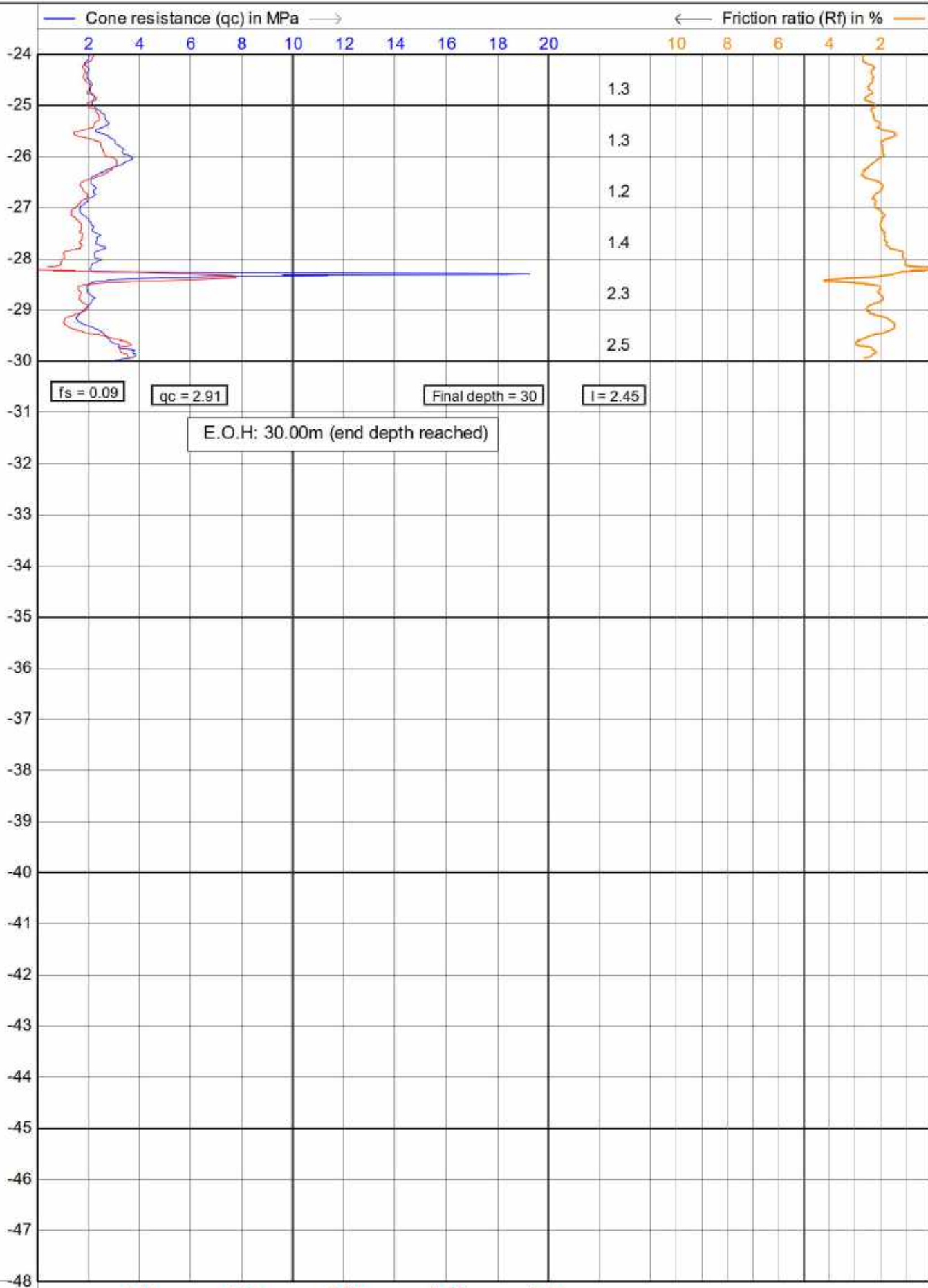
Date : 15/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_06 1/30

Depth in m to reference level ()



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96205, -37.04606 WGS 84

Date : 15/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_06 2/30

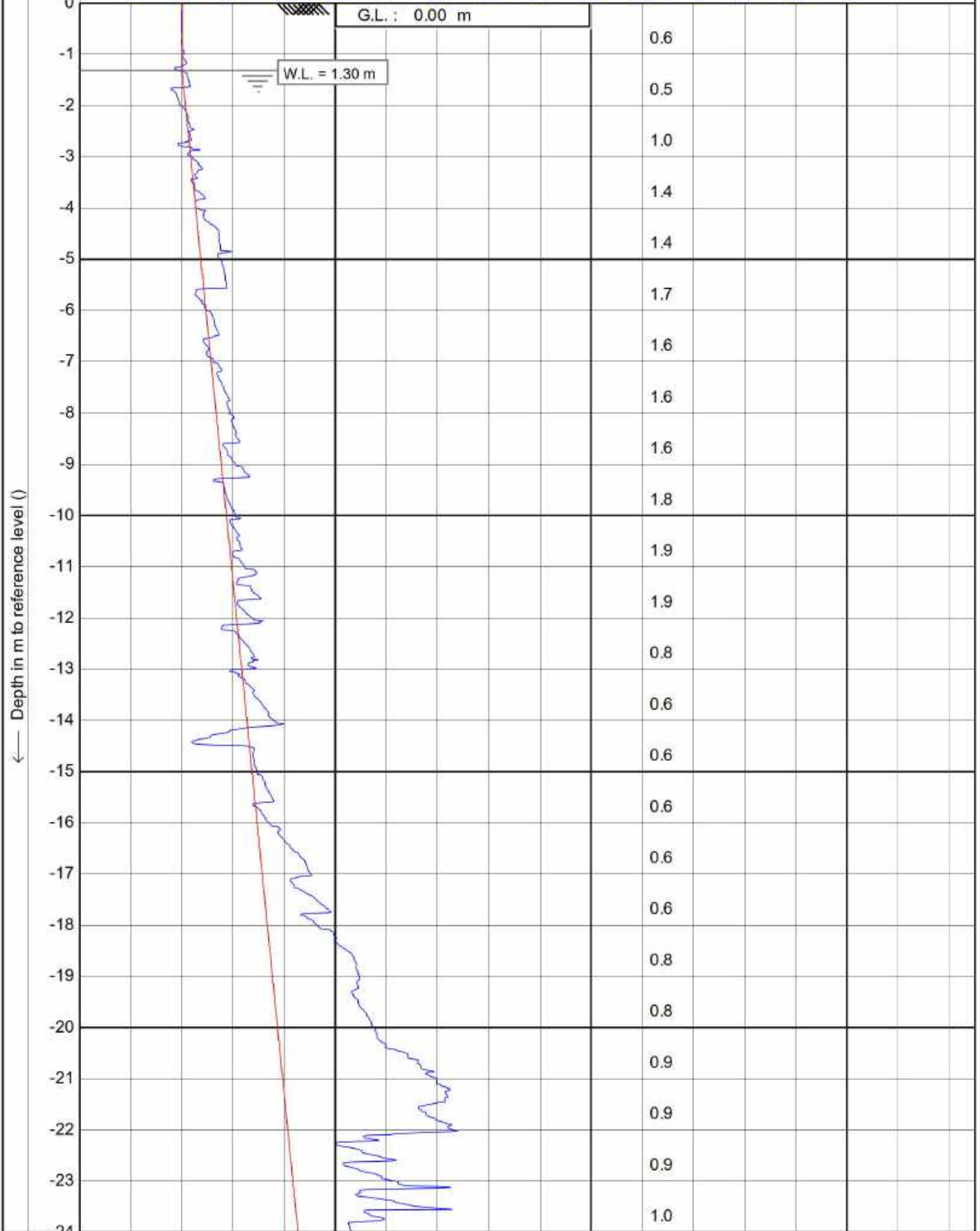
Depth in m to reference level ()

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

W.L. = 1.30 m



Equilibrium pore pressure (u0) in MPa →

0.00

0.20

0.40

0.60

0.80

1.00

1.20

☒ Inclination (I) in degr



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96205, -37.04606 WGS 84

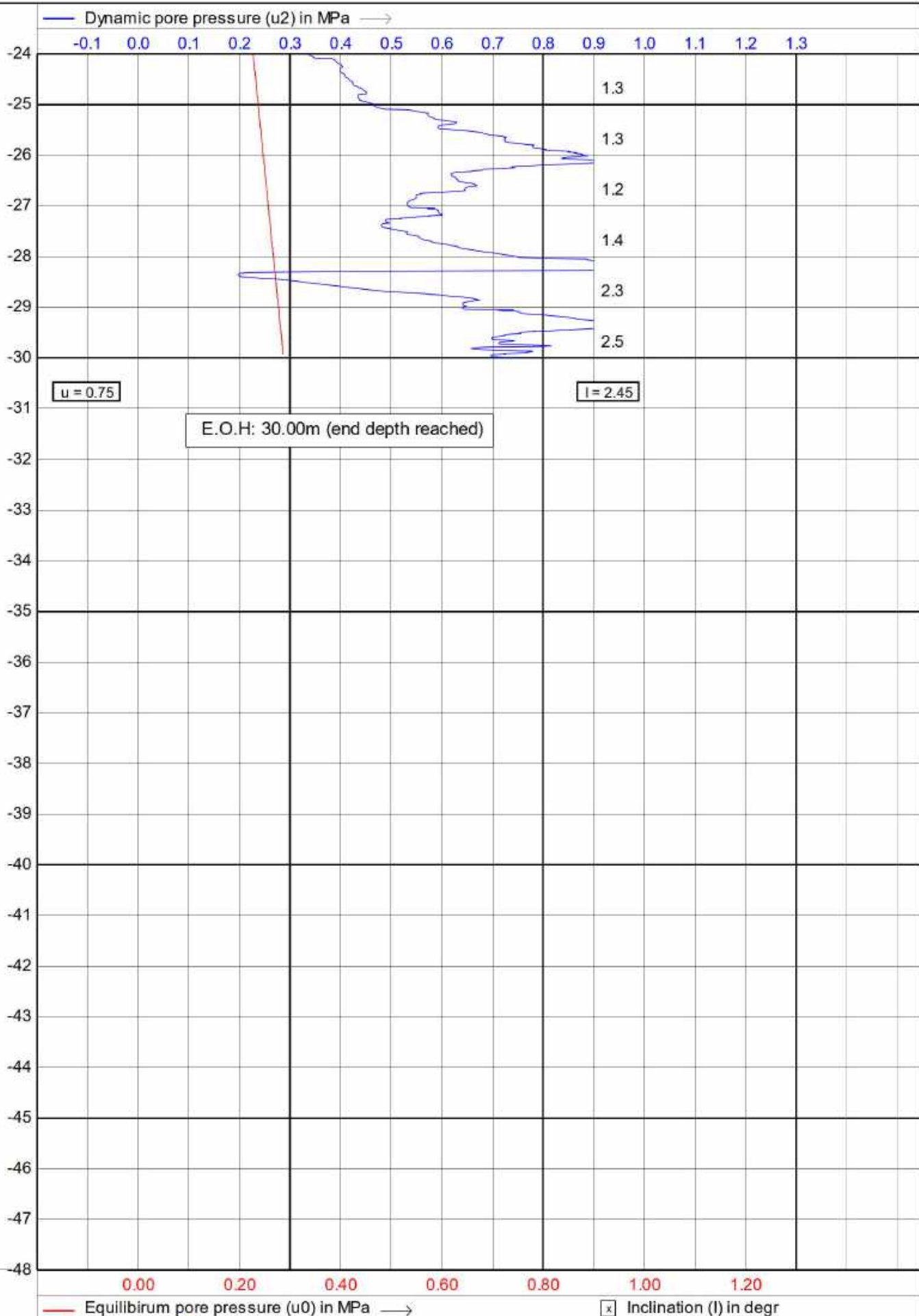
Date : 15/04/2021

Cone no. : S10CFIP.S16082

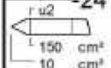
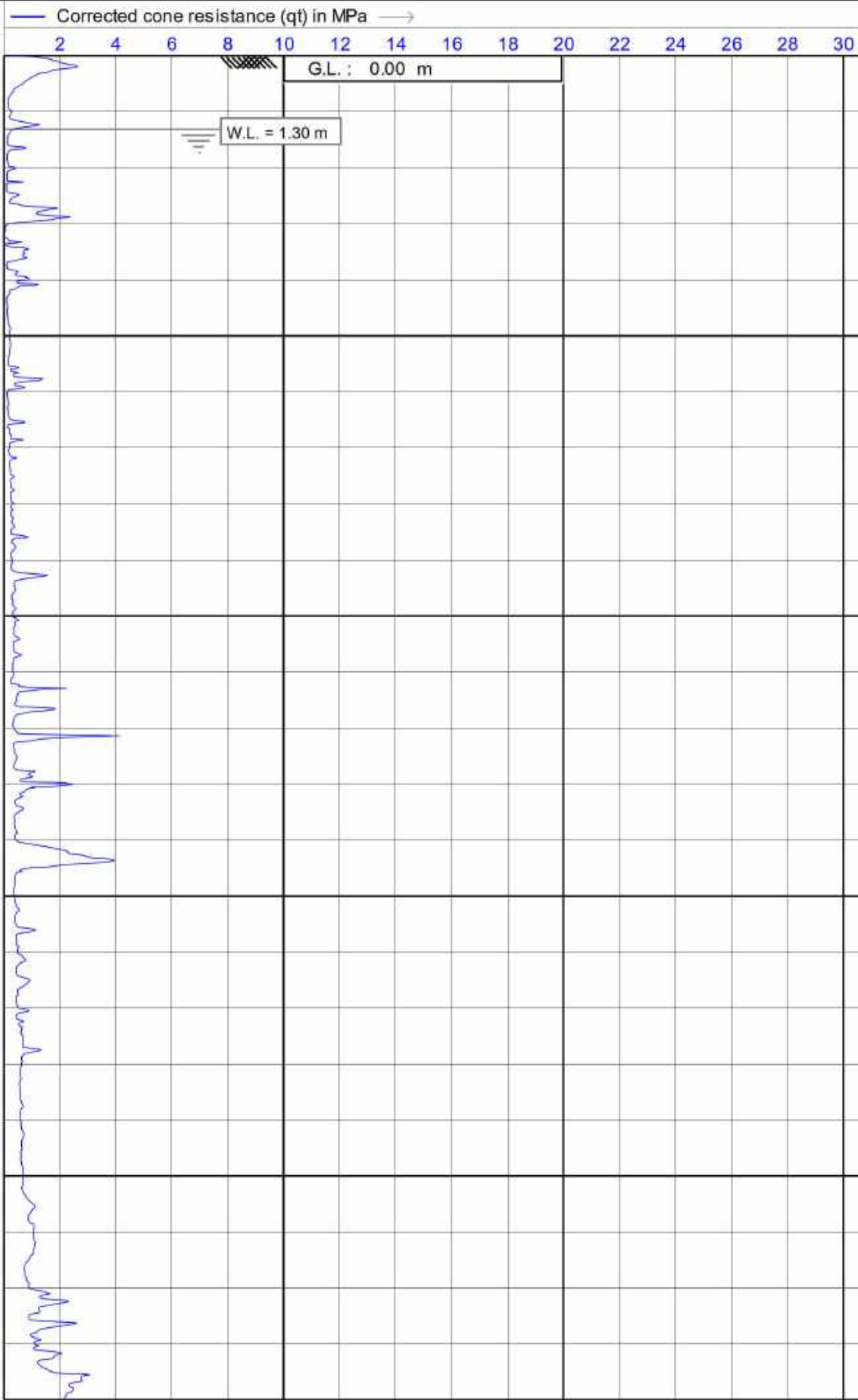
Project no. : DF21GE034

CPT no. : CPT_06 3/30

Depth in m to reference level ()



← Depth in m to reference level ()



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96205, -37.04606 WGS 84

Date : 15/04/2021

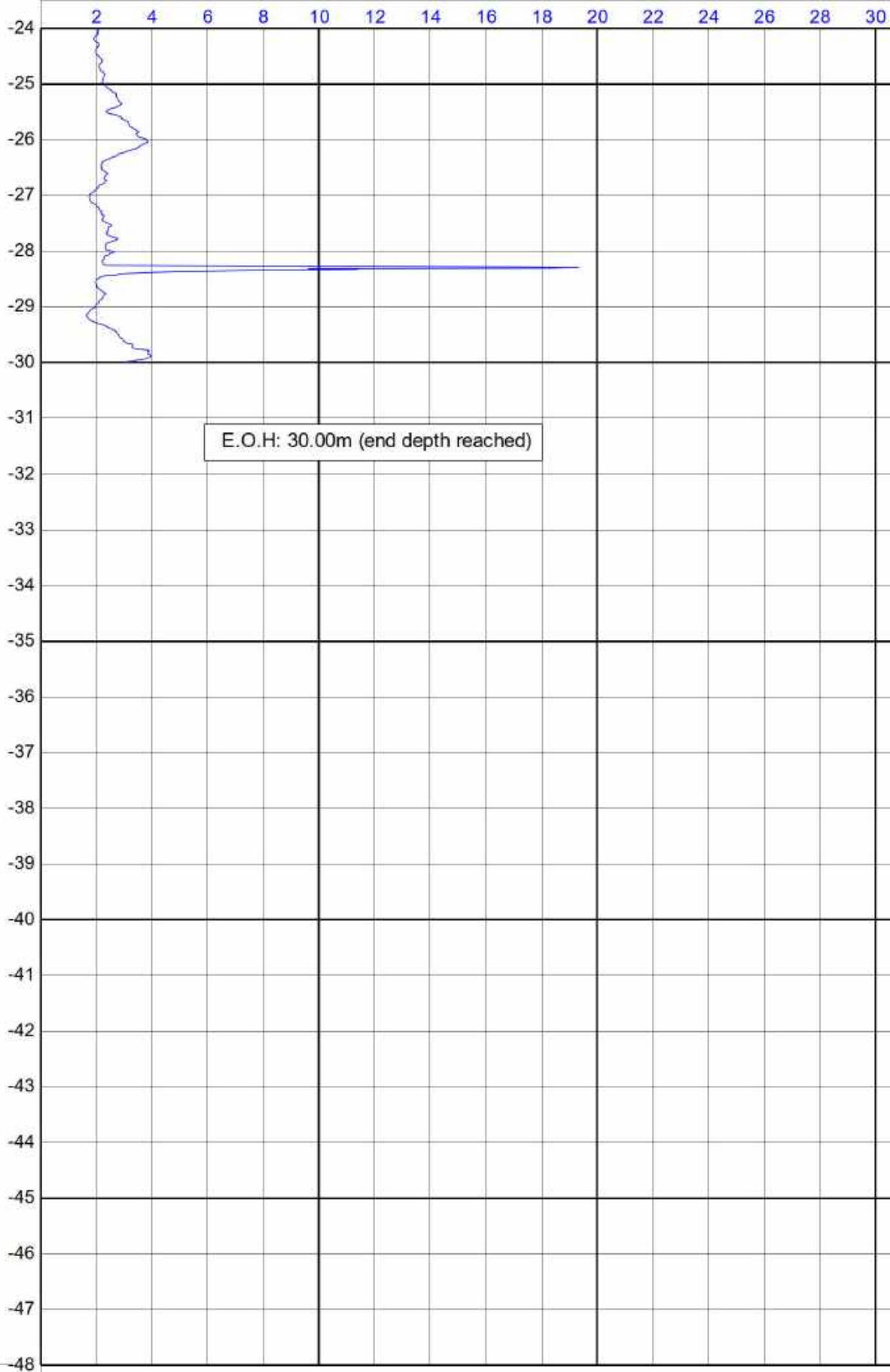
Cone no. : S10CFIP.S16082

Project no. : DF21GE034

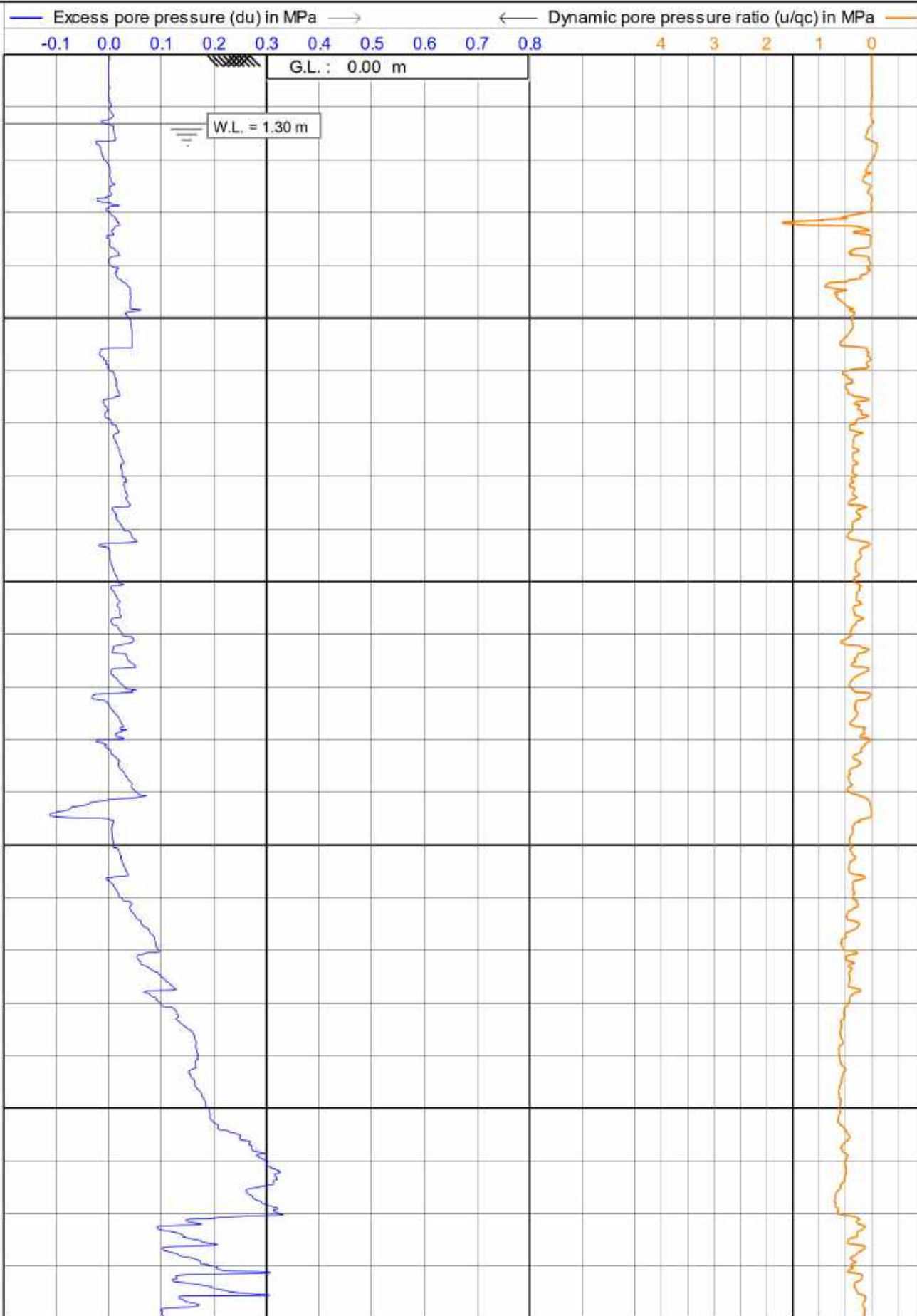
CPT no. : CPT_06 5/30

← Depth in m to reference level ()

— Corrected cone resistance (qt) in MPa →



← Depth in m to reference level ()



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96205, -37.04606 WGS 84

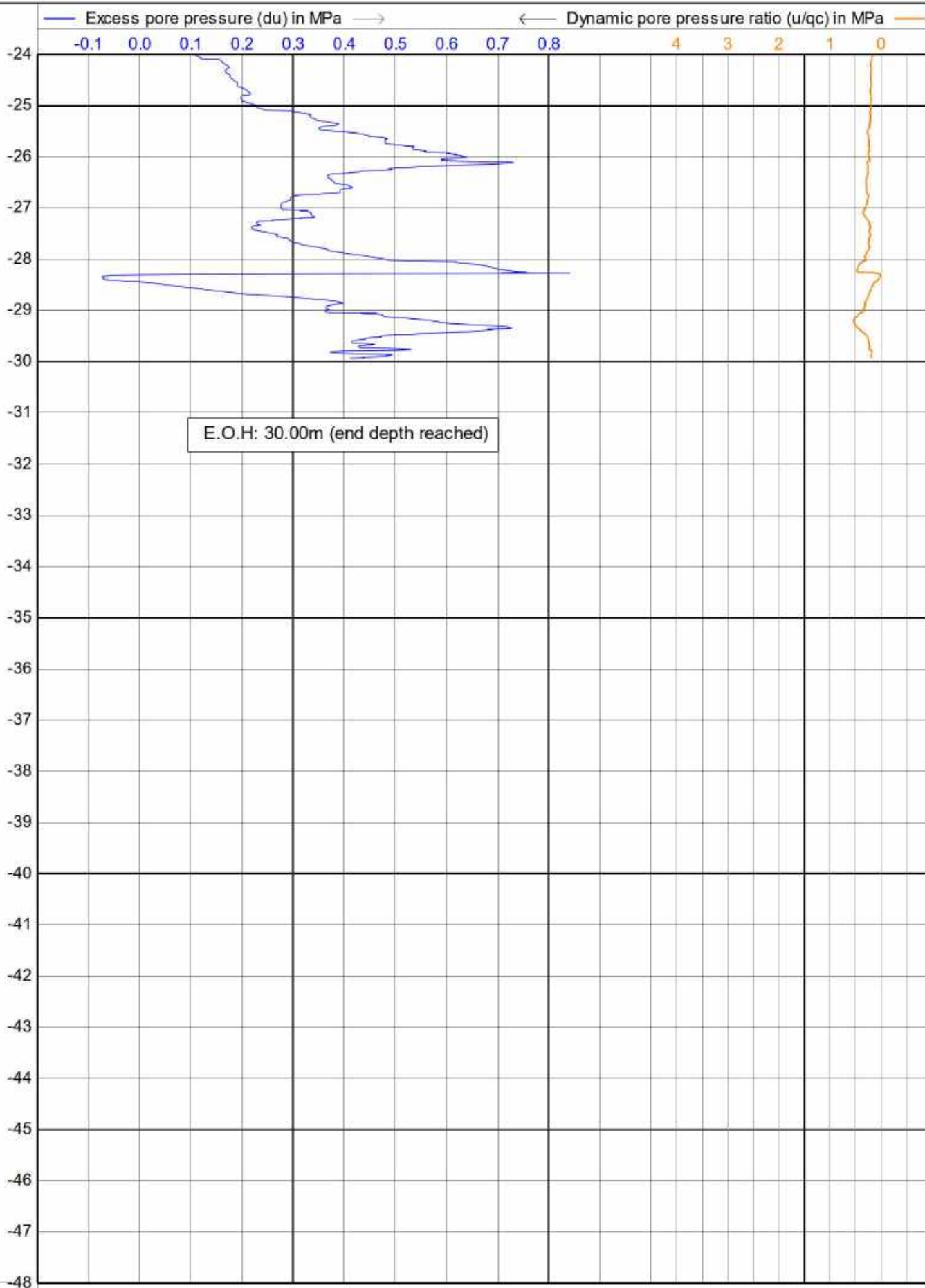
Date : 15/04/2021

Cone no. : S10CFIP.S16082

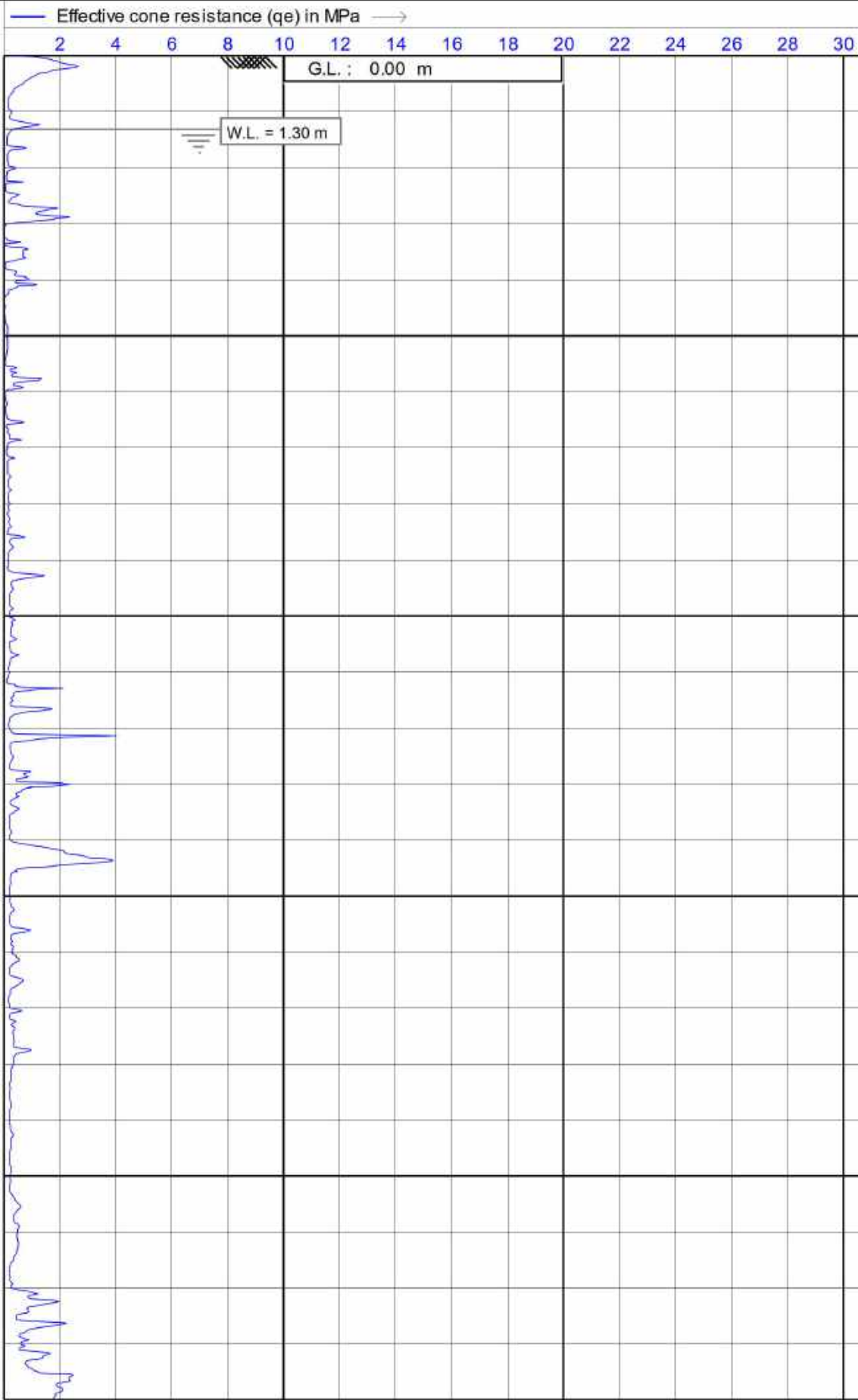
Project no. : DF21GE034

CPT no. : CPT_06 7/30

← Depth in m to reference level ()

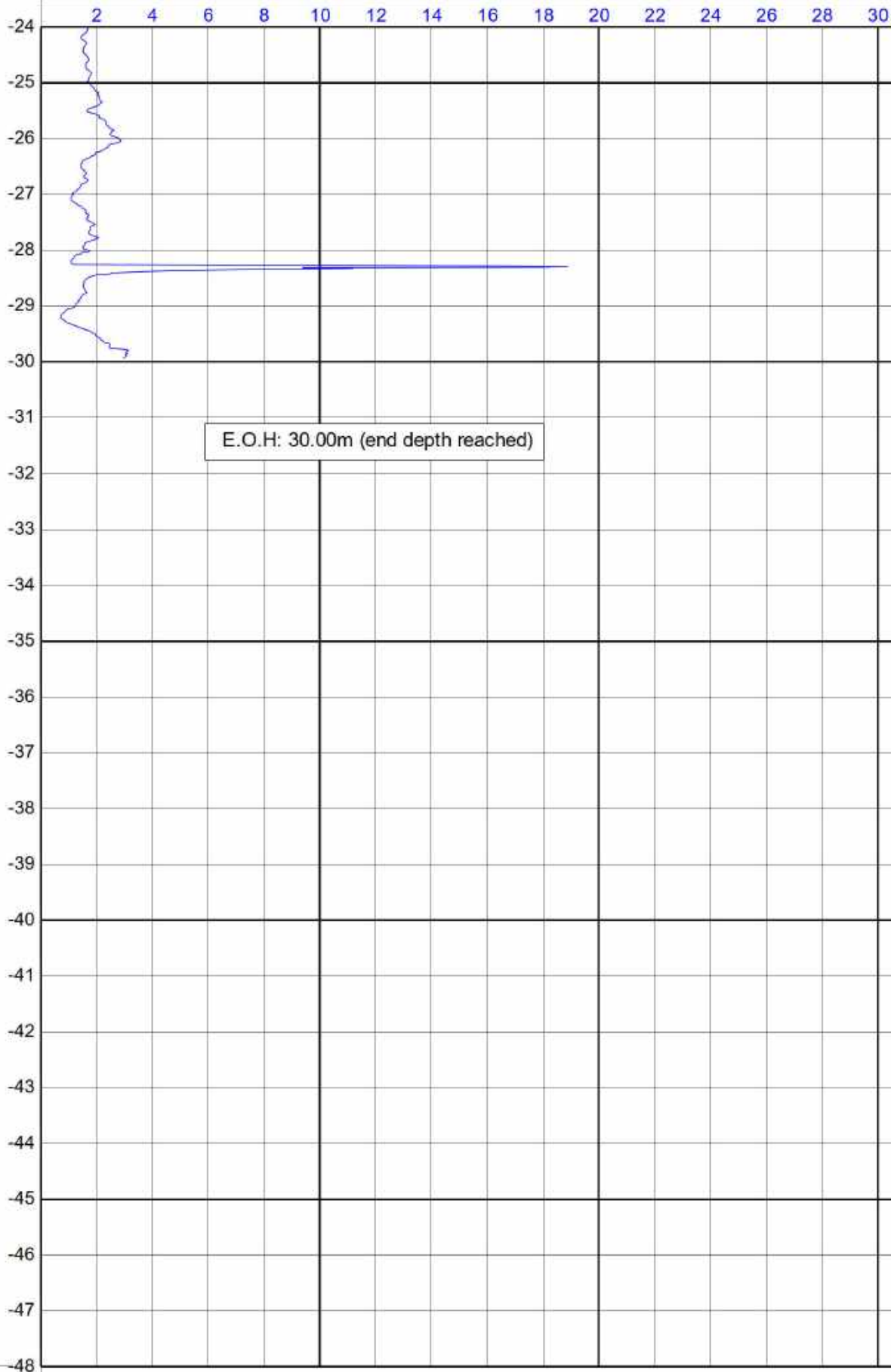


← Depth in m to reference level ()



← Depth in m to reference level ()

— Effective cone resistance (q_e) in MPa →



E.O.H: 30.00m (end depth reached)

← 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

W.L. = 1.30 m

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

100

200

300

400

500

600

700

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



DRILLFORCE
THE DRILLING SPECIALISTS

Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96205, -37.04606 WGS 84

Date : 15/04/2021

Cone no. : S10CFIP.S16082

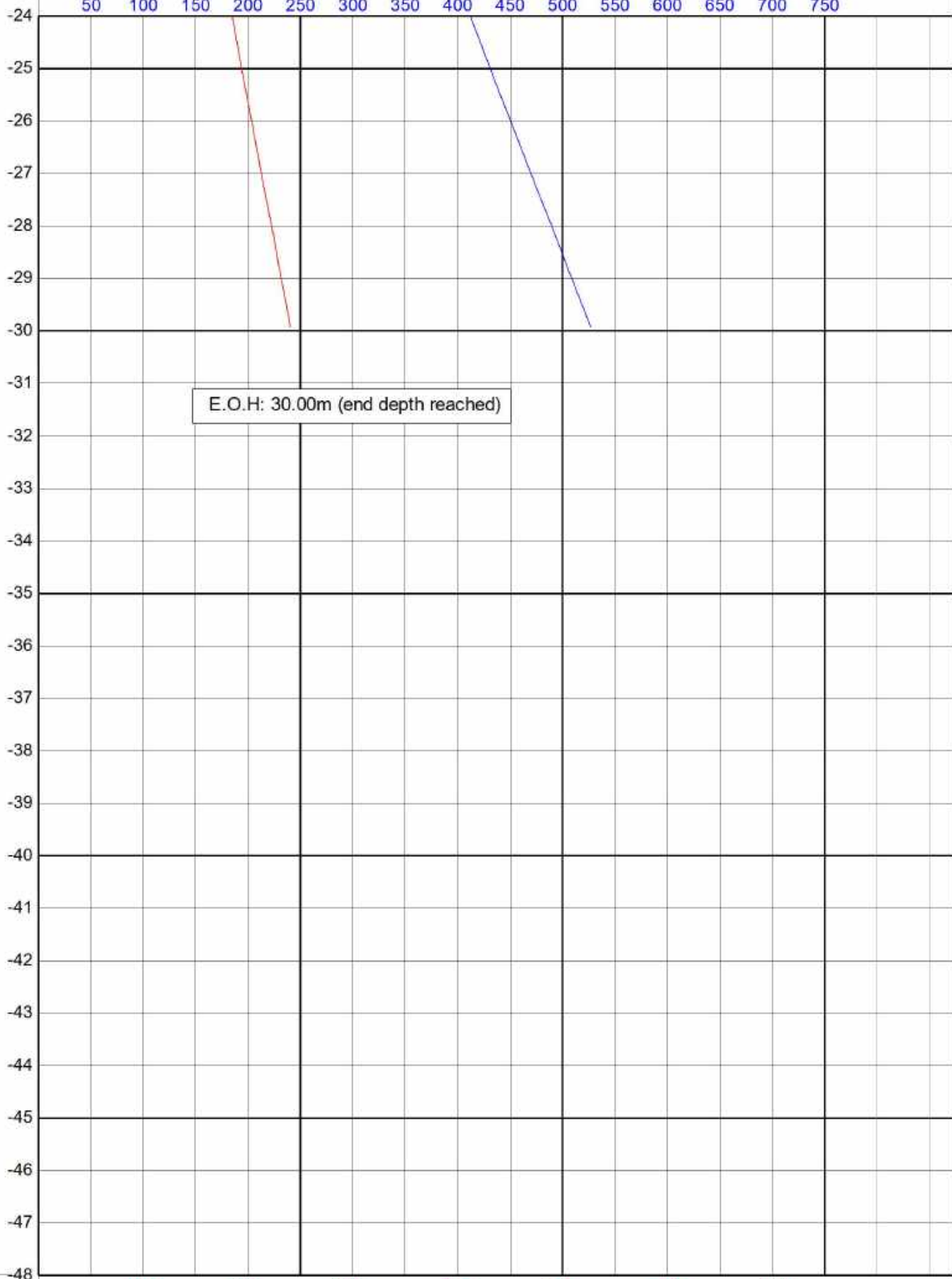
Project no. : DF21GE034

CPT no. : CPT_06 11/30

← 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



E.O.H: 30.00m (end depth reached)

100 200 300 400 500 600 700
— Effective vertical stress (rov,z') in kPa →



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96205, -37.04606 WGS 84

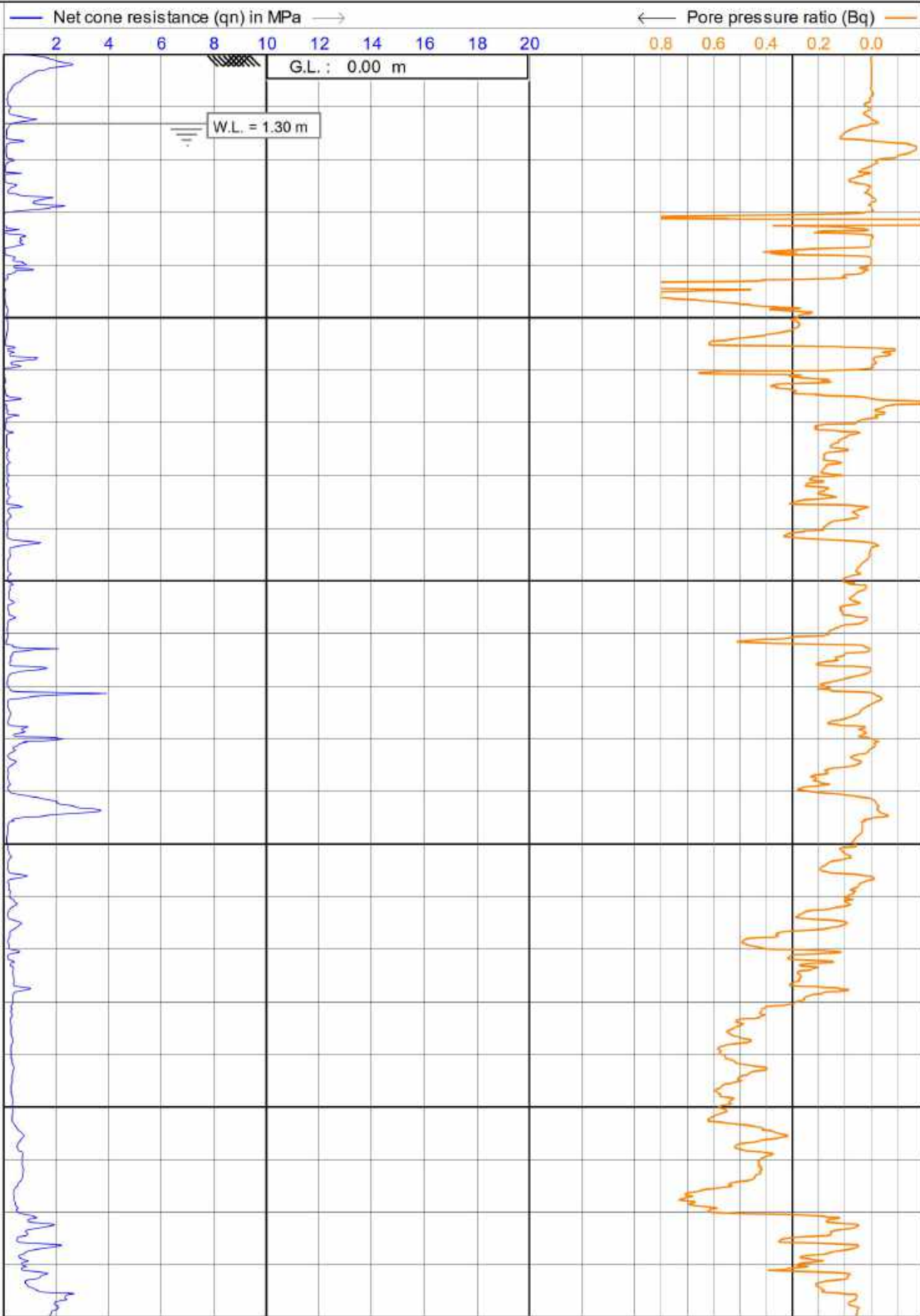
Date : 15/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_06 12/30

← Depth in m to reference level ()



150 cm²
10 cm²

DRILLFORCE
THE DRILLING SPECIALISTS

Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96205, -37.04606 WGS 84

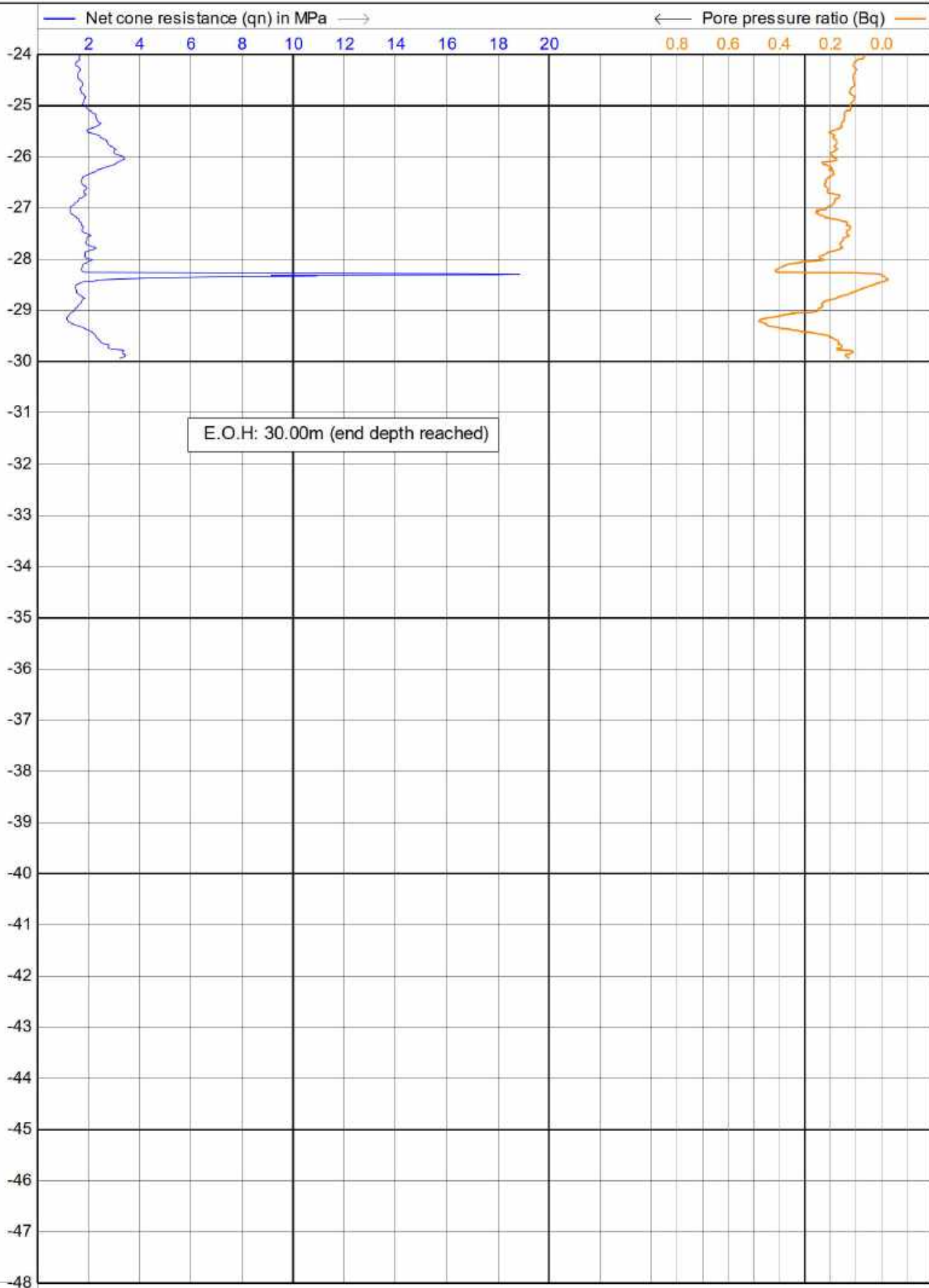
Date : 15/04/2021

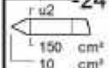
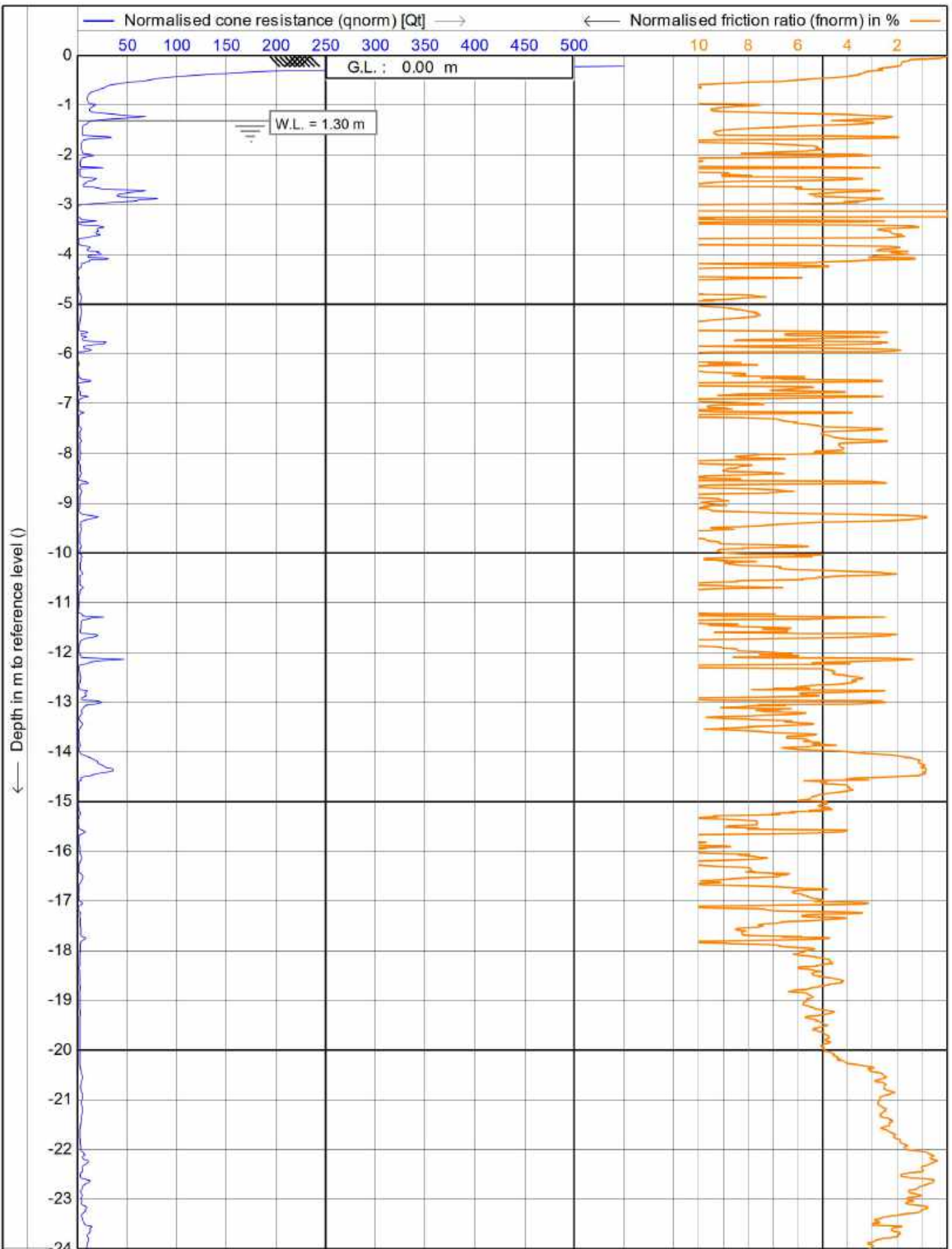
Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_06 13/30

← Depth in m to reference level ()





Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96205, -37.04606 WGS 84

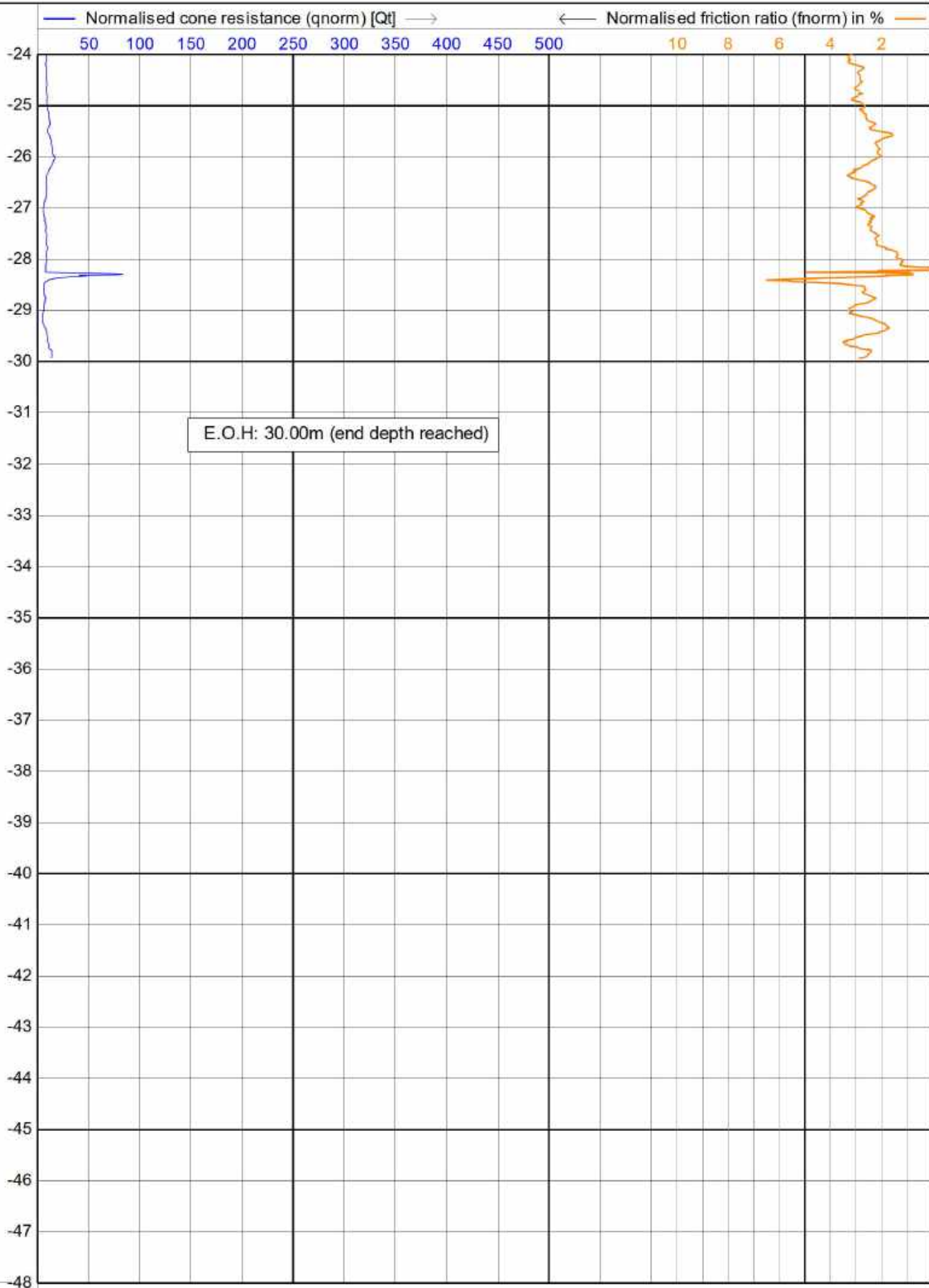
Date : 15/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

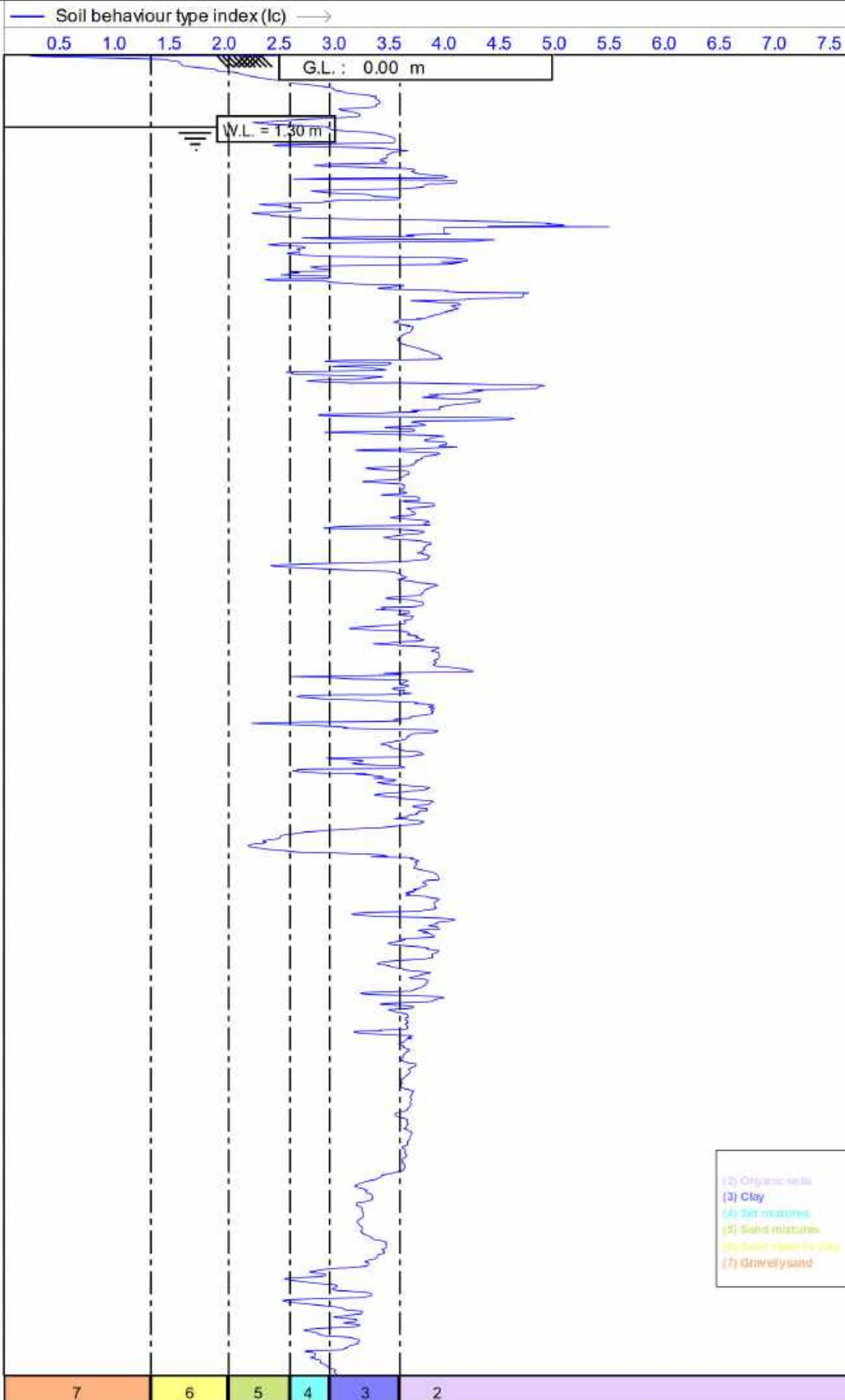
CPT no. : CPT_06 15/30

← Depth in m to reference level ()



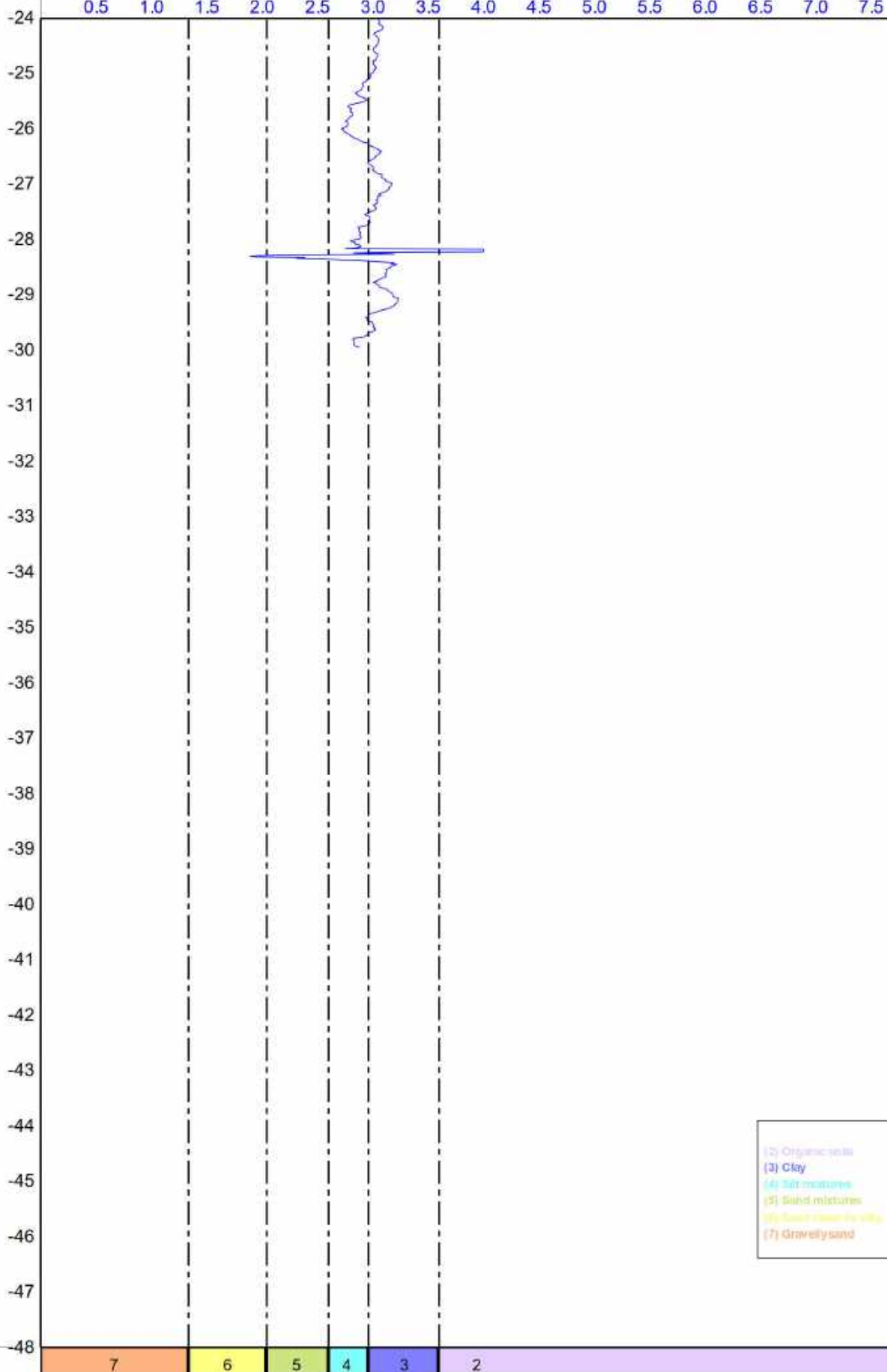
E.O.H: 30.00m (end depth reached)

← Depth in m to reference level ()



Depth in m to reference level ()

Soil behaviour type index (Ic) →



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96205, -37.04606 WGS 84

Date : 15/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_06 18/30

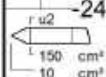
← Depth in m to reference level ()

— 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

W.L. = 1.30 m



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96205, -37.04606 WGS 84

Date : 15/04/2021

Cone no. : S10CFIP.S16082

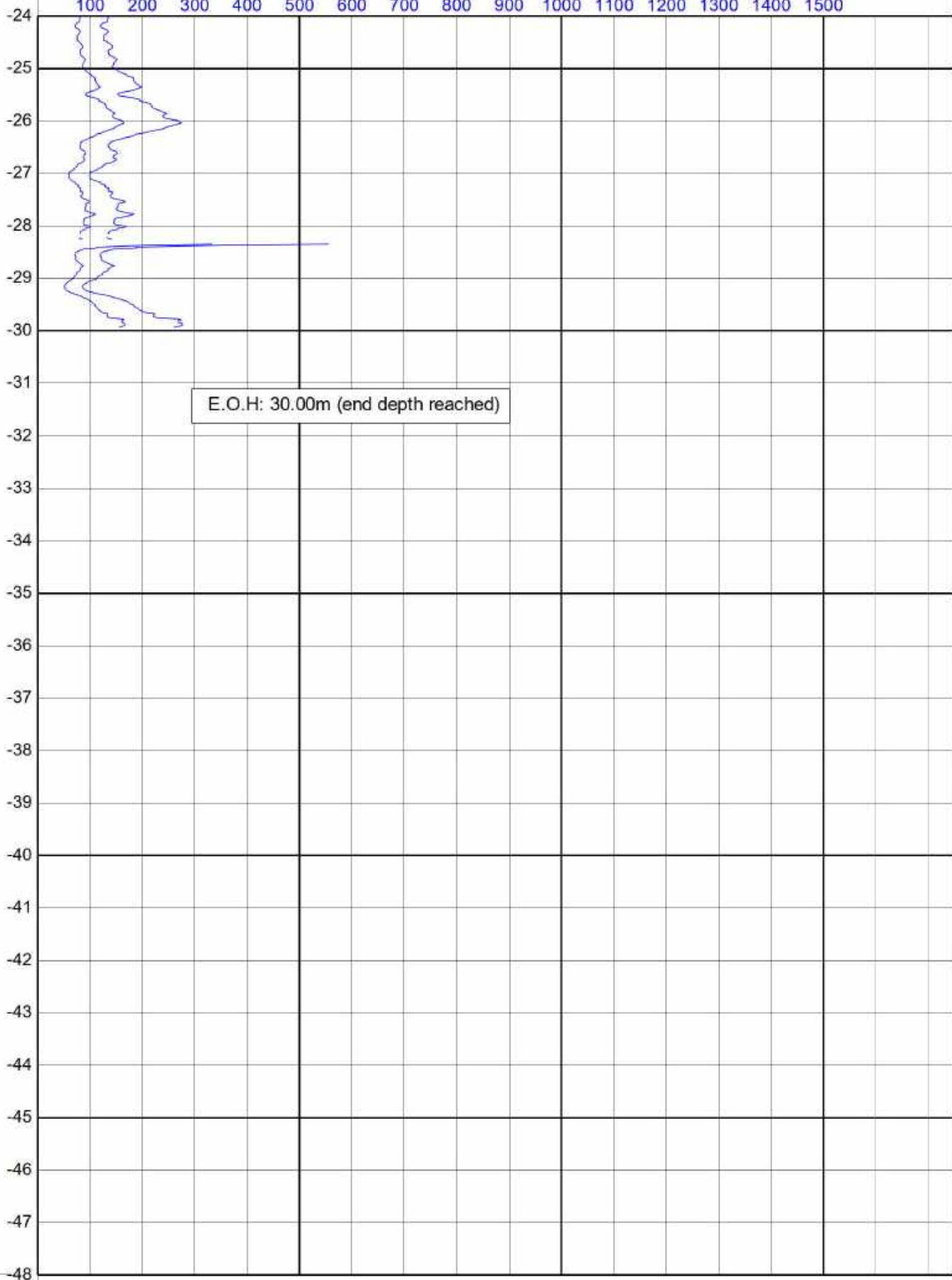
Project no. : DF21GE034

CPT no. : CPT_06 19/30

← 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



E.O.H: 30.00m (end depth reached)

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

W.L. = 1.30 m

20 40 60 80 100 120 140

Relative density (over-consolidated) in % →



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96205, -37.04606 WGS 84

Date : 15/04/2021

Cone no. : S10CFIP.S16082

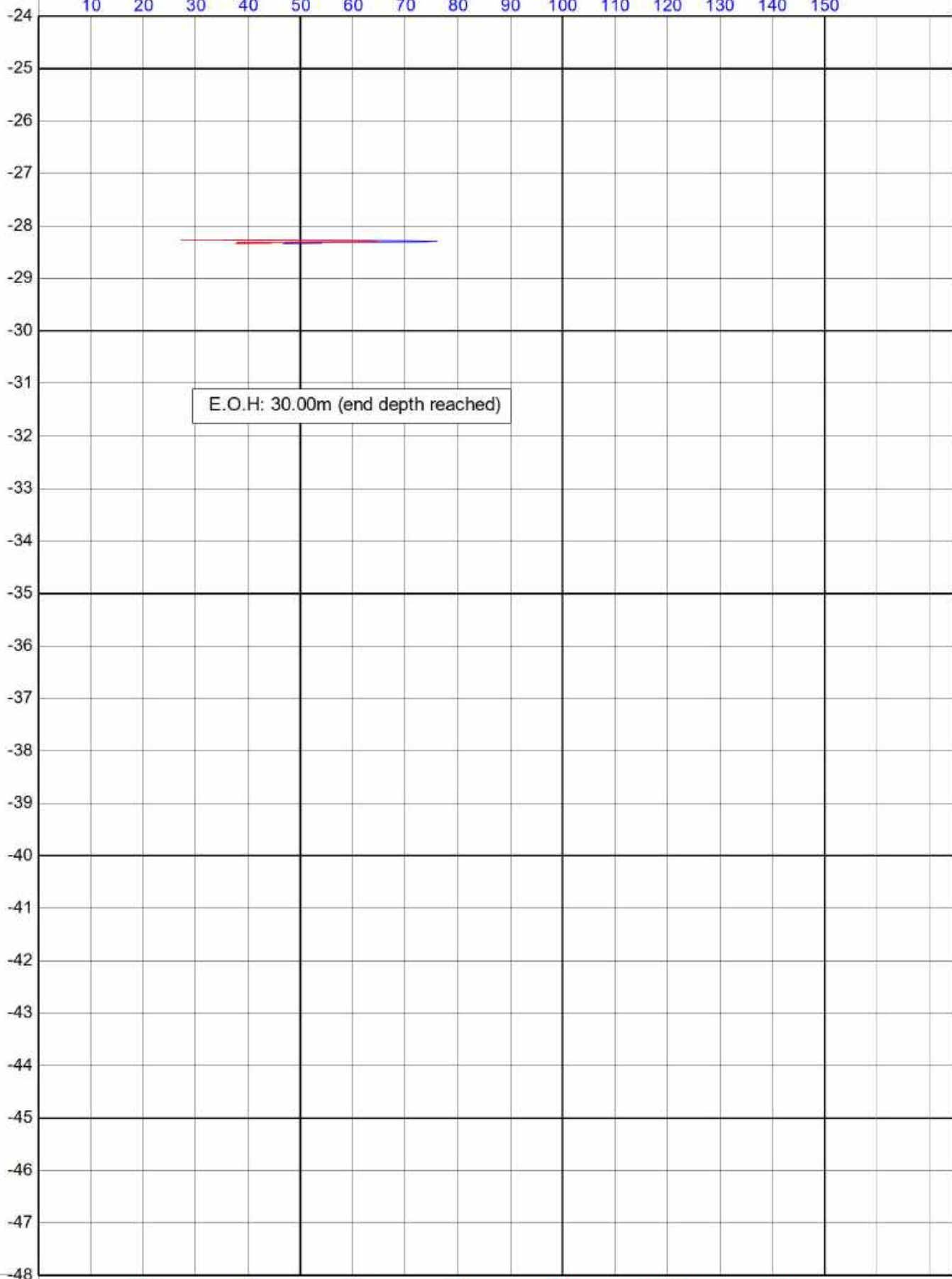
Project no. : DF21GE034

CPT no. : CPT_06 21/30

← 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



20 40 60 80 100 120 140

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



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96205, -37.04606 WGS 84

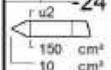
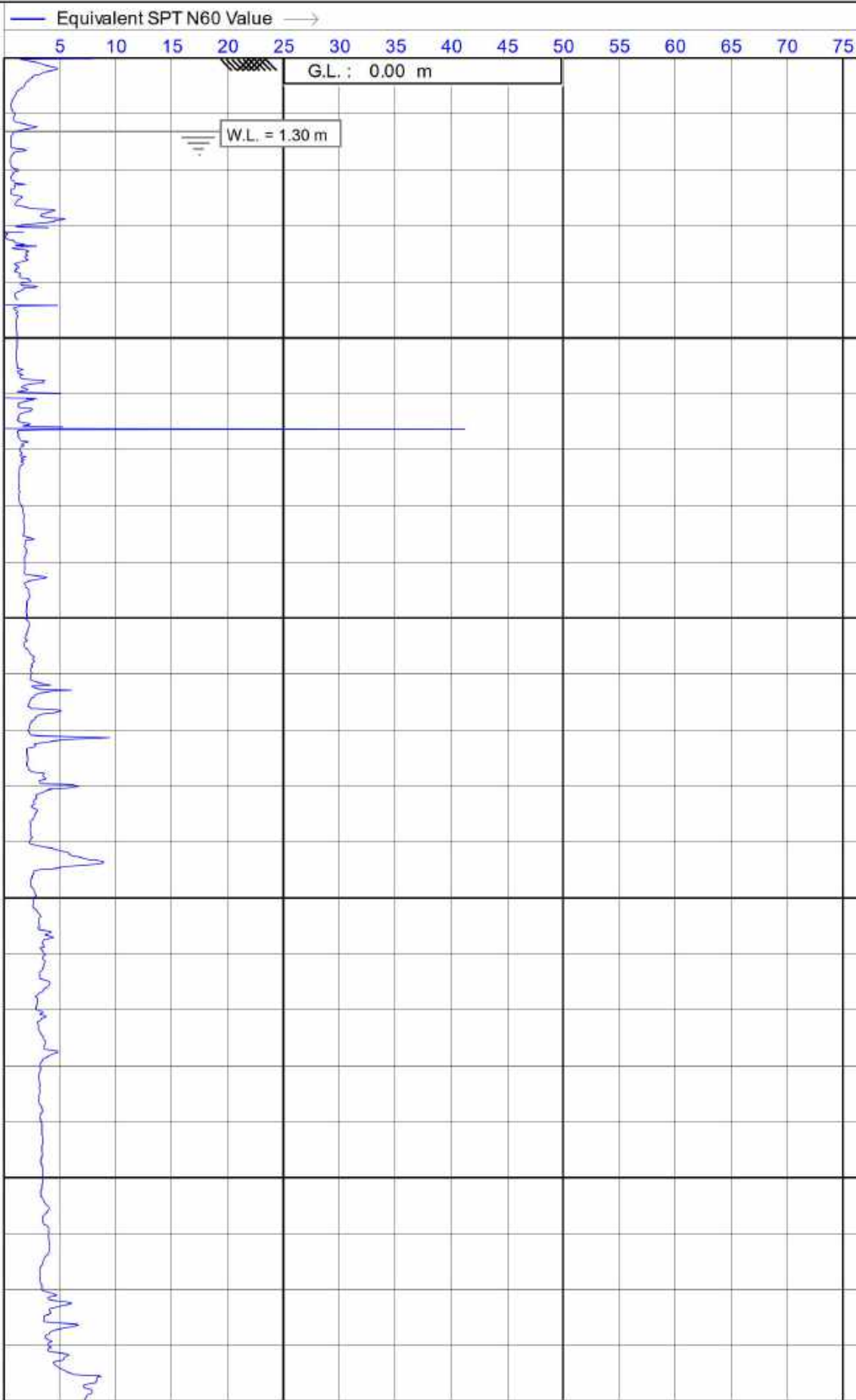
Date : 15/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_06 22/30

← Depth in m to reference level ()



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96205, -37.04606 WGS 84

Date : 15/04/2021

Cone no. : S10CFIP.S16082

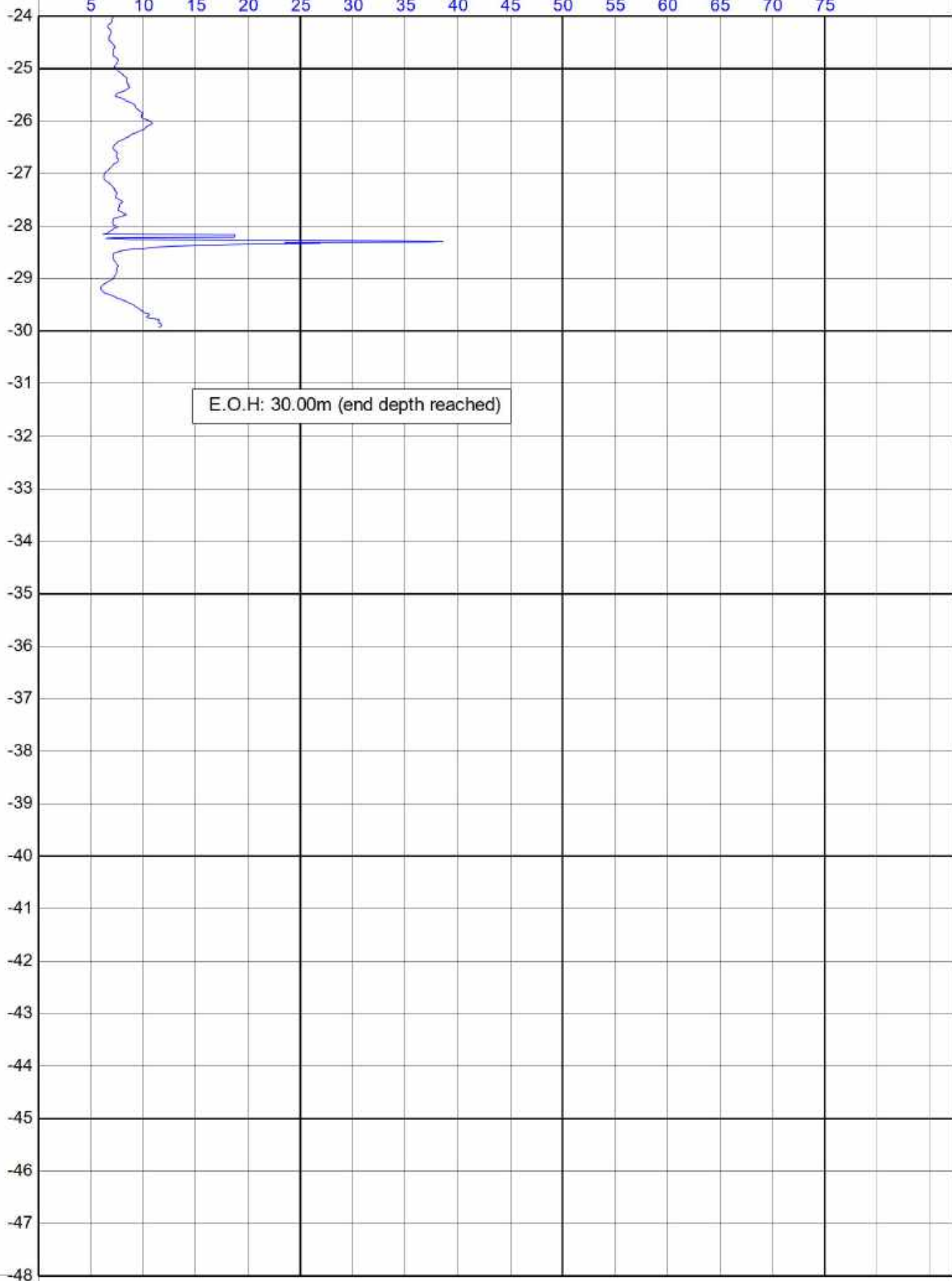
Project no. : **DF21GE034**

CPT no. : **CPT_06** 23/30

← Depth in m to reference level ()

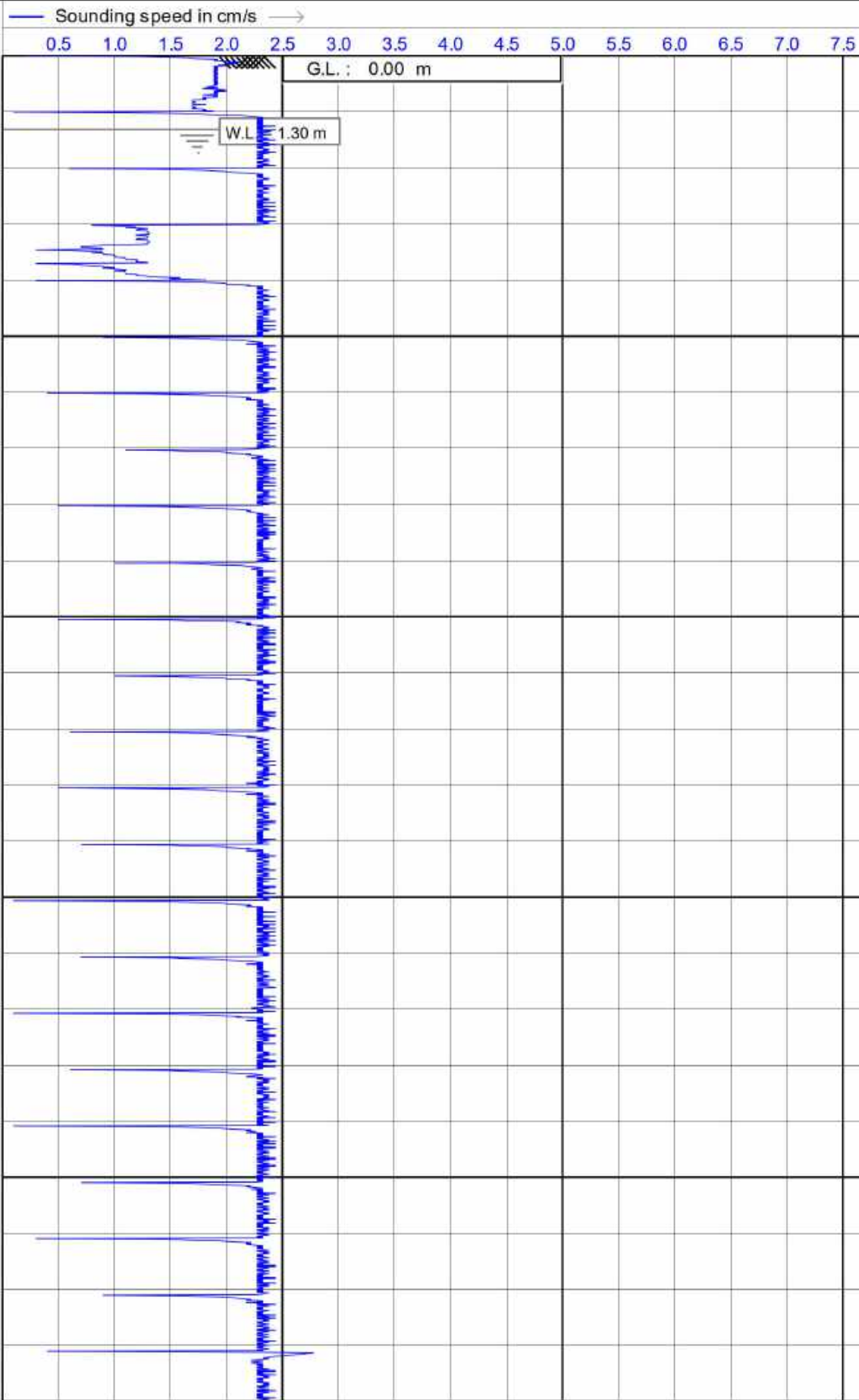
Equivalent SPT N60 Value →

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



E.O.H: 30.00m (end depth reached)

← Depth in m to reference level ()



150 cm²
10 cm²

DRILLFORCE
THE DRILLING SPECIALISTS

Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96205, -37.04606 WGS 84

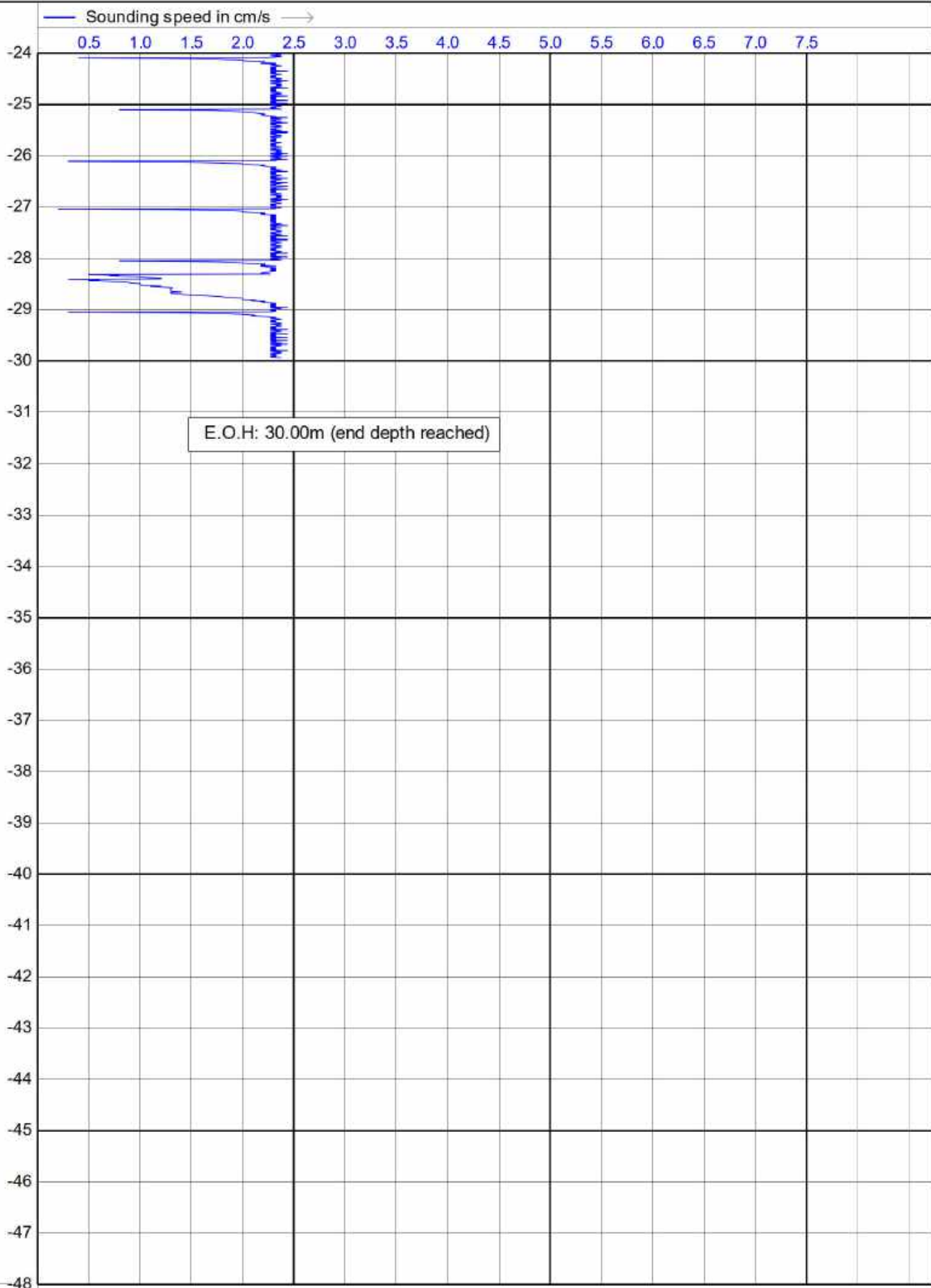
Date : 15/04/2021

Cone no. : S10CFIP.S16082

Project no. : **DF21GE034**

CPT no. : **CPT_06** 25/30

← Depth in m to reference level ()



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

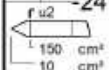
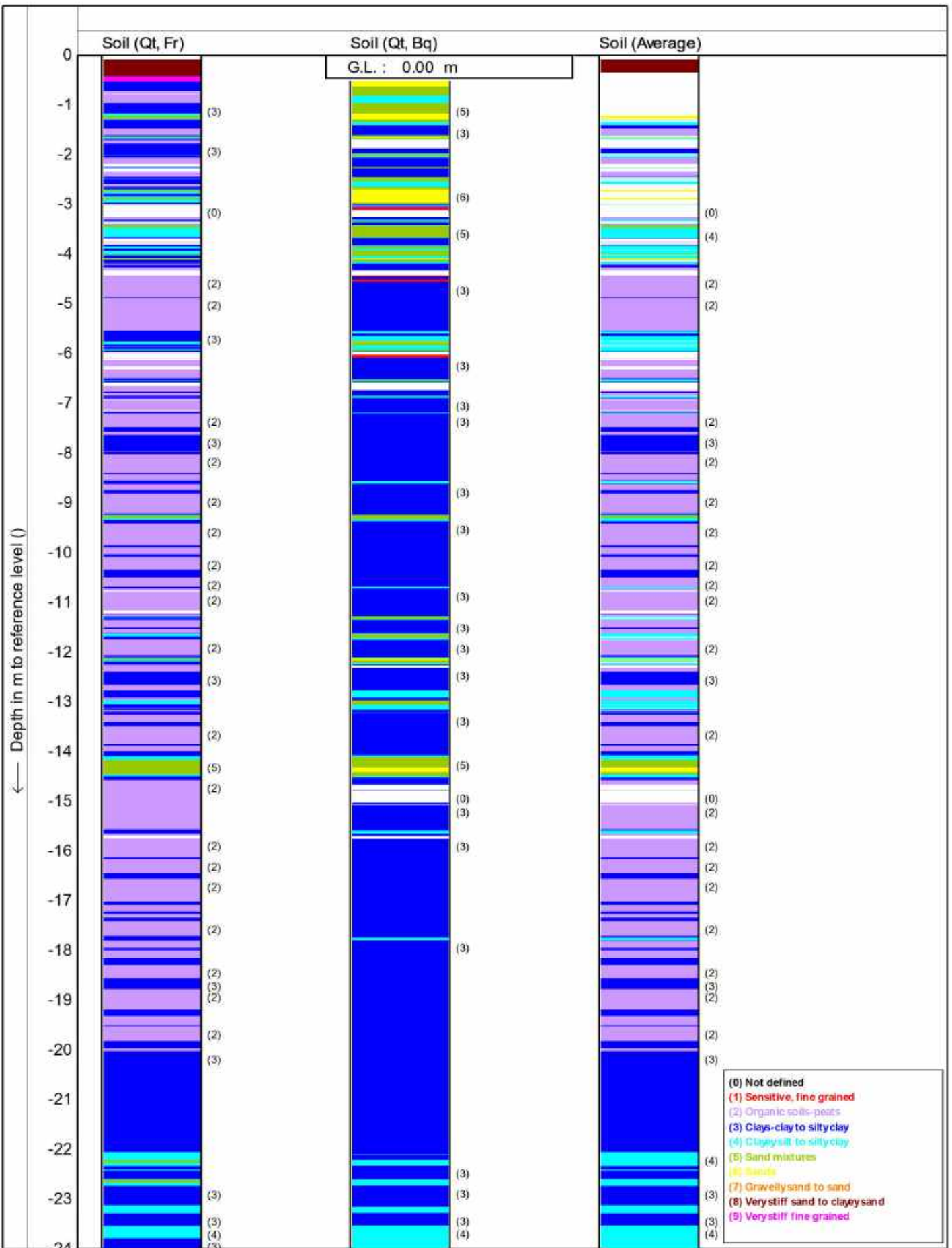
Position: 174.96205, -37.04606 WGS 84

Date : 15/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_06 26/30



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96205, -37.04606 WGS 84

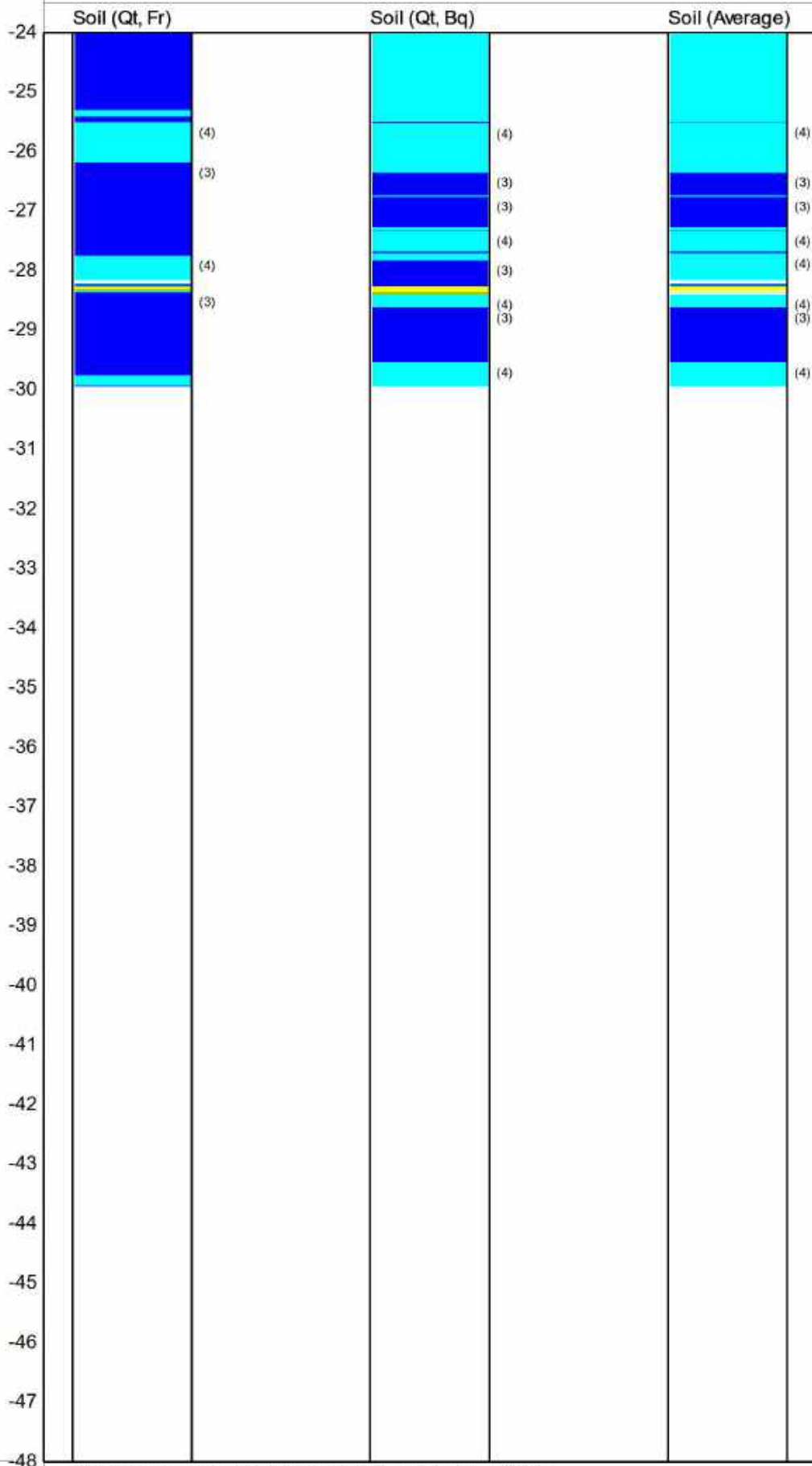
Date : 15/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_06 27/30

← Depth in m to reference level ()



- (0) Not defined
- (1) Sensitive, fine grained
- (2) Organic soils-peats
- (3) Clays-clay to silty clay
- (4) Clays-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



Test according NEN 5140 class 1

Project : Hamlin Rd
 Location: Hamlin Rd, Ardmore
 Position: 174.96205, -37.04606 WGS 84

Date : 15/04/2021
 Cone no. : S10CFIP.S16082
 Project no. : DF21GE034
 CPT no. : CPT_06 28/30

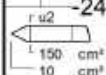
← Depth in m to reference level ()

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

W.L. = 1.30 m



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96205, -37.04606 WGS 84

Date : 15/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_06 29/30

← 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

-24
-25
-26
-27
-28
-29
-30
-31
-32
-33
-34
-35
-36
-37
-38
-39
-40
-41
-42
-43
-44
-45
-46
-47
-48

E.O.H: 30.00m (end depth reached)

35 40



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

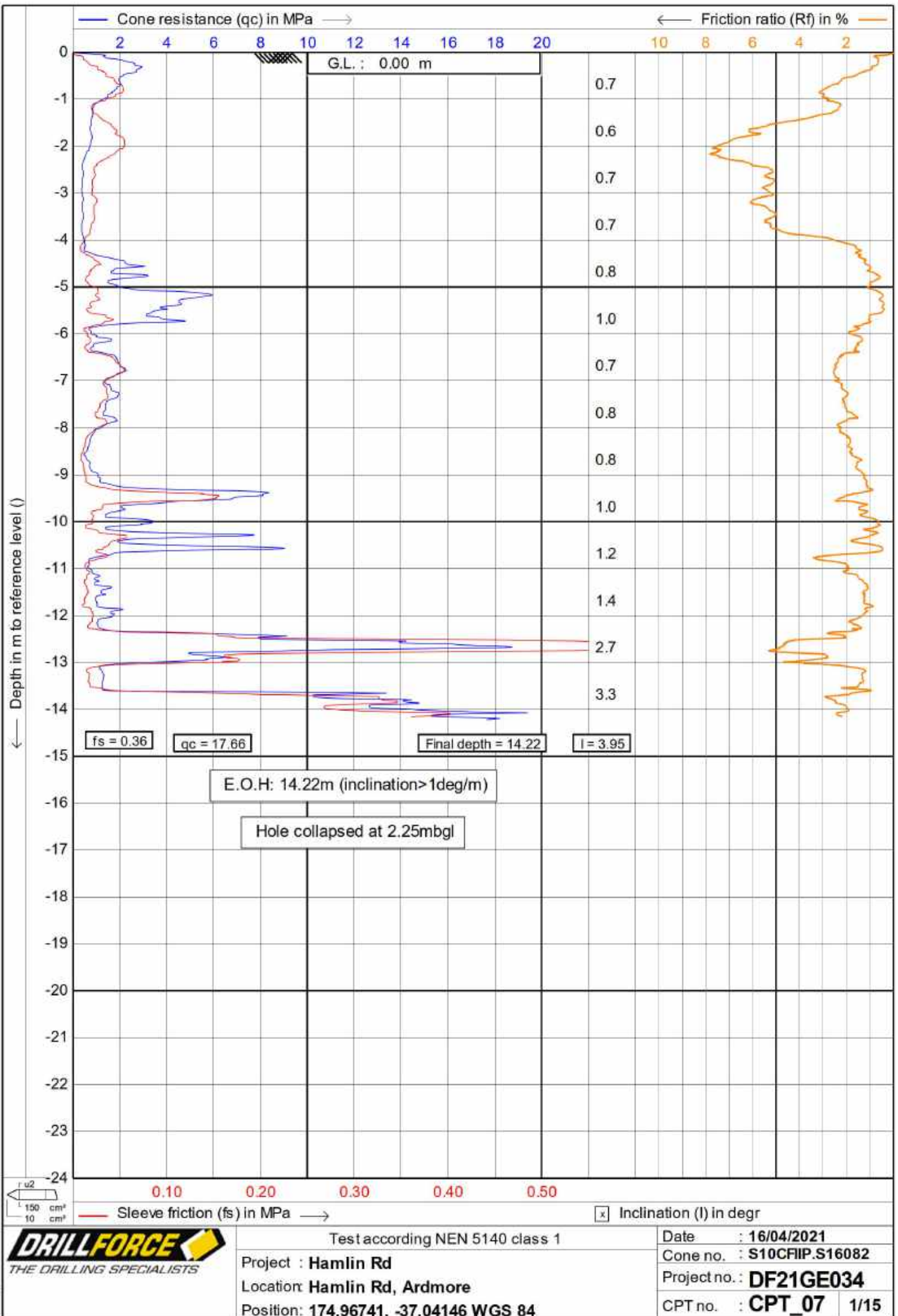
Position: 174.96205, -37.04606 WGS 84

Date : 15/04/2021

Cone no. : S10CFIIP.S16082

Project no. : DF21GE034

CPT no. : CPT_06 30/30



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

0.7

0.6

0.7

0.7

0.8

1.0

0.7

0.8

0.8

1.0

1.2

1.4

2.7

3.3

u = 0.11

I = 3.95

E.O.H: 14.22m (inclination>1deg/m)

Hole collapsed at 2.25mbgl

Equilibrium pore pressure (u0) in MPa →

0.00

0.20

0.40

0.60

0.80

1.00

1.20

Inclination (I) in degr

150 cm³
10 cm³

DRILLFORCE
THE DRILLING SPECIALISTS

Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96741, -37.04146 WGS 84

Date : 16/04/2021

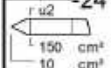
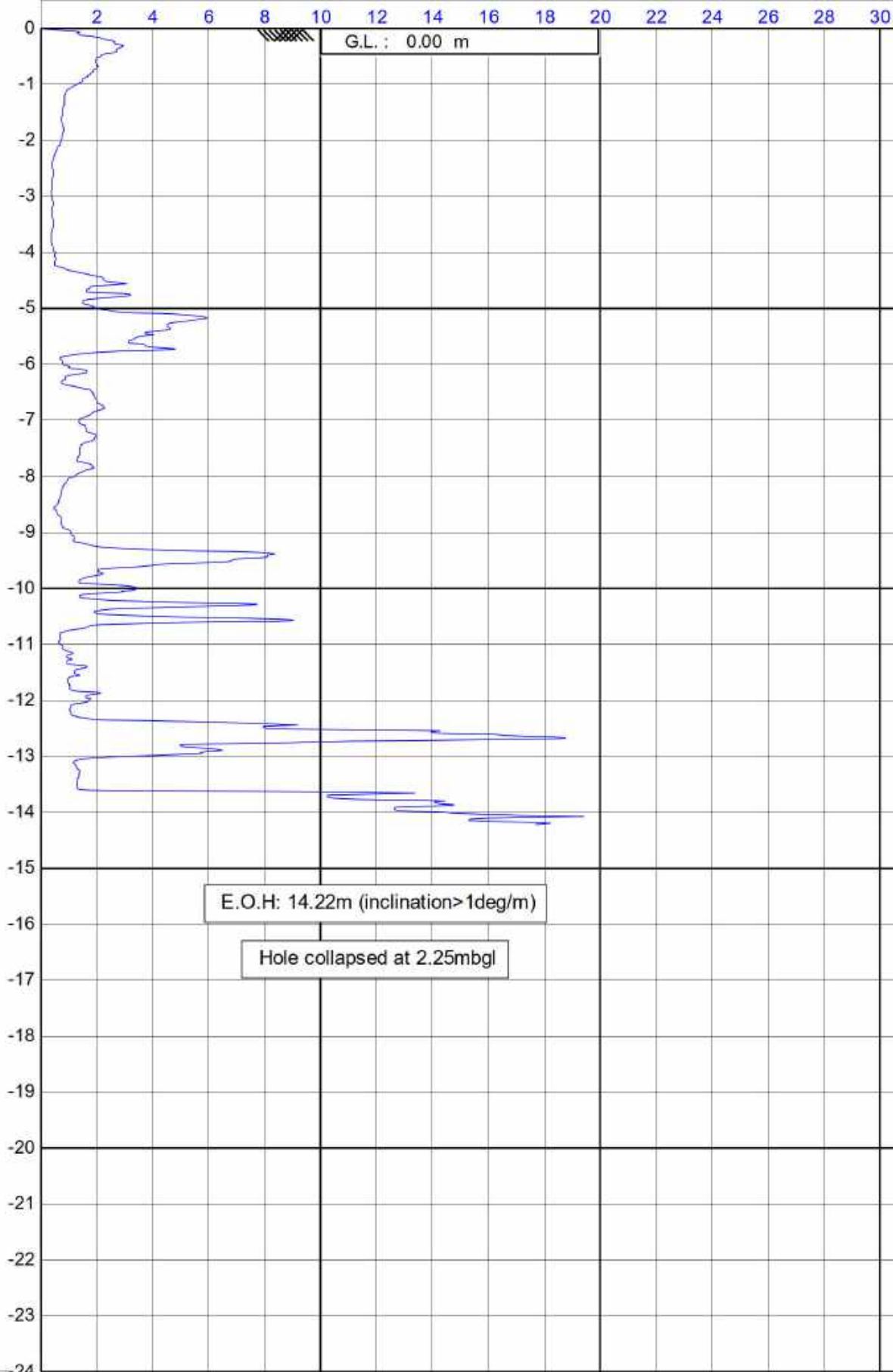
Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_07 2/15

Depth in m to reference level ()

Corrected cone resistance (qt) in MPa →



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

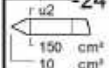
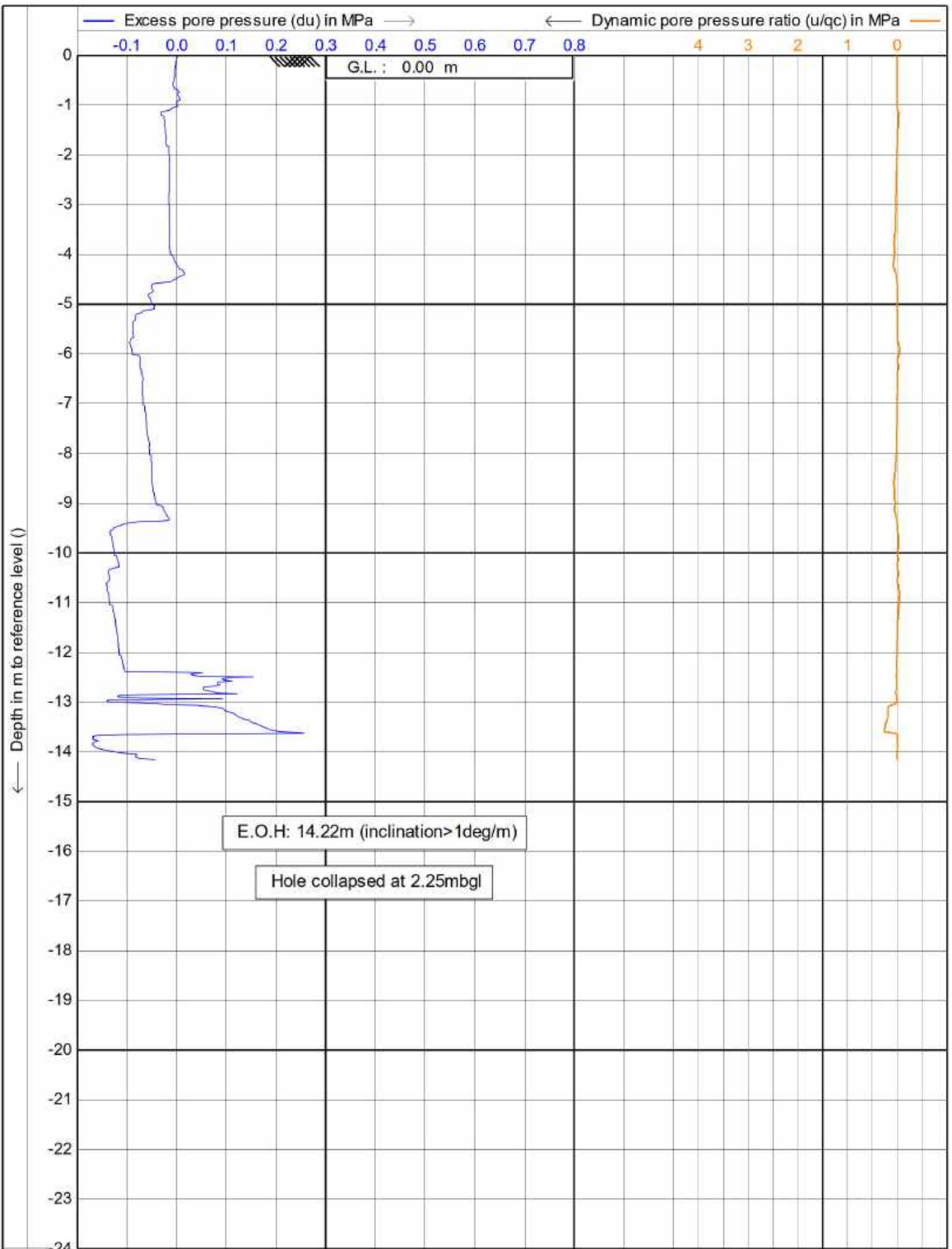
Position: 174.96741, -37.04146 WGS 84

Date : 16/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_07 3/15



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

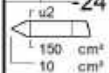
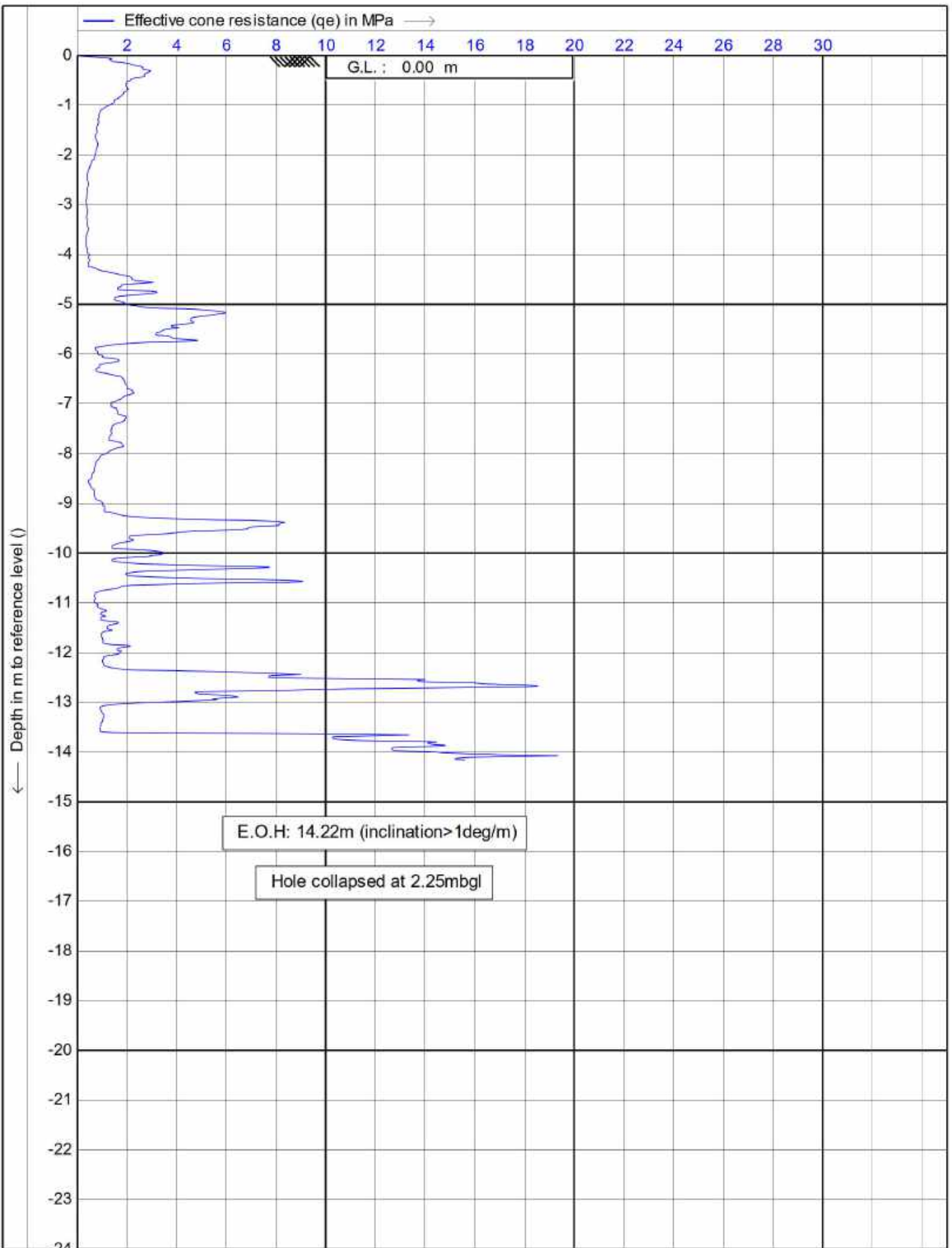
Position: 174.96741, -37.04146 WGS 84

Date : 16/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_07 4/15



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96741, -37.04146 WGS 84

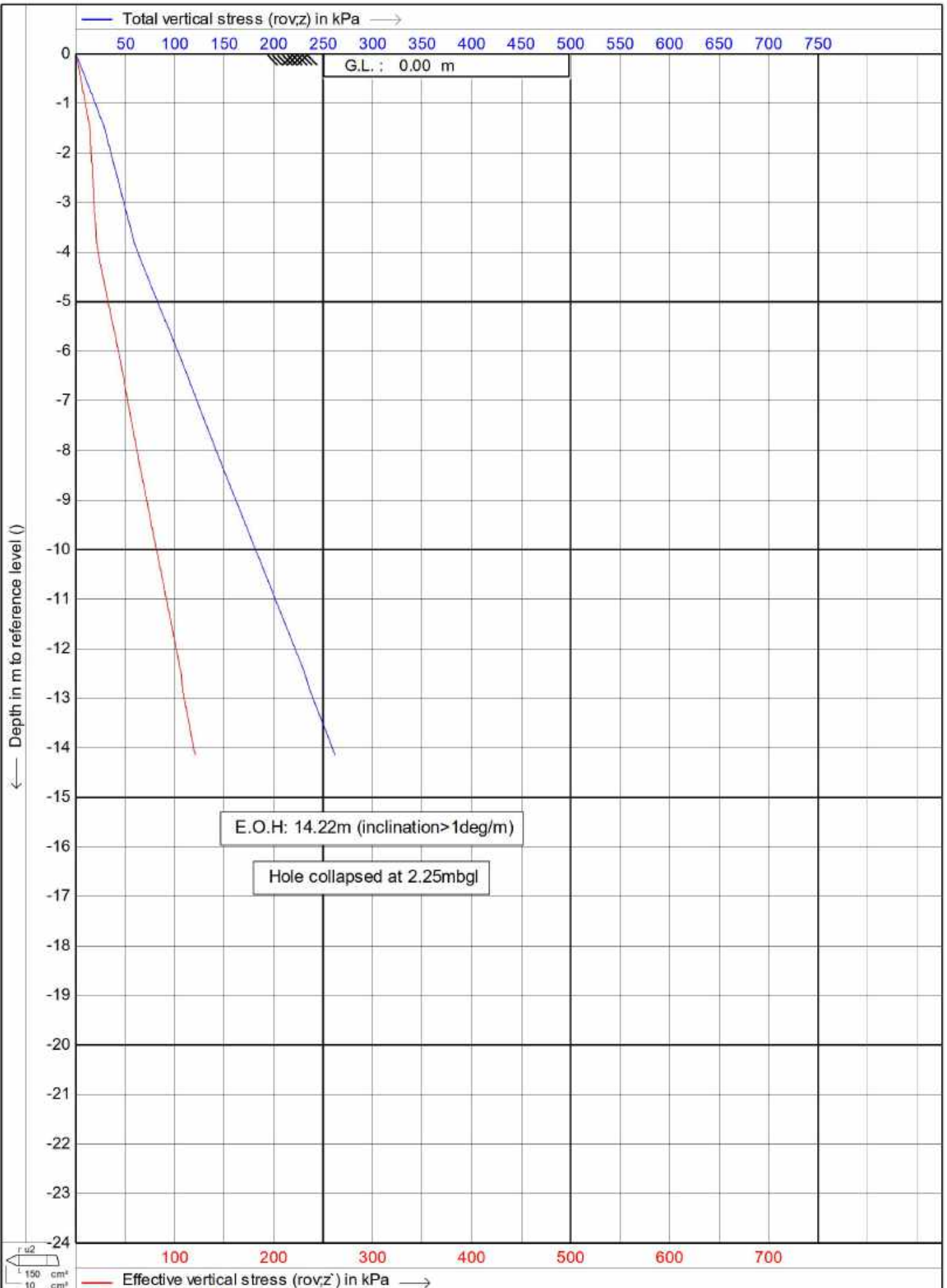
Date : 16/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_07 5/15

Depth in m to reference level ()



DRILLFORCE
THE DRILLING SPECIALISTS

Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

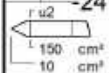
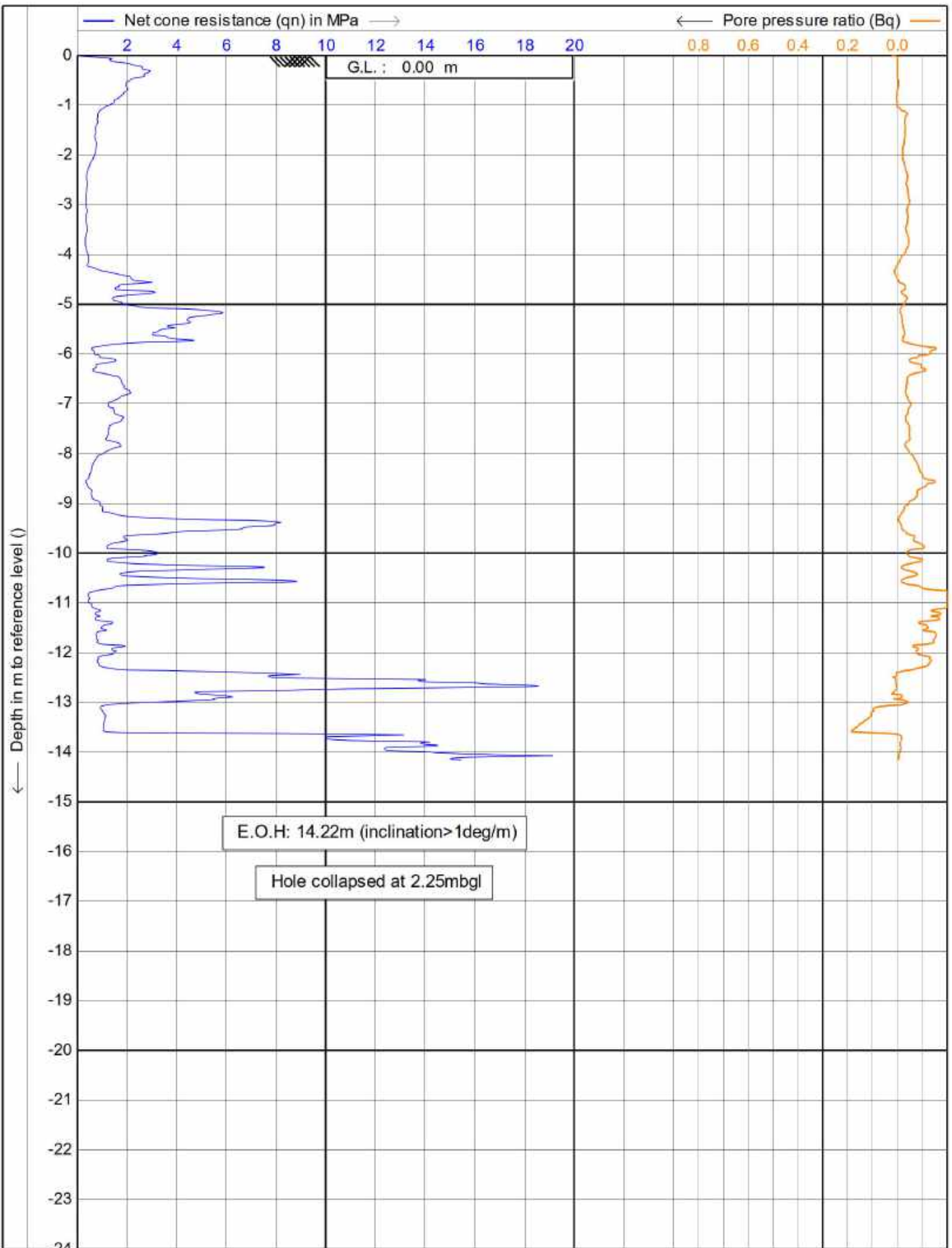
Position: 174.96741, -37.04146 WGS 84

Date : 16/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_07 6/15



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

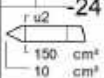
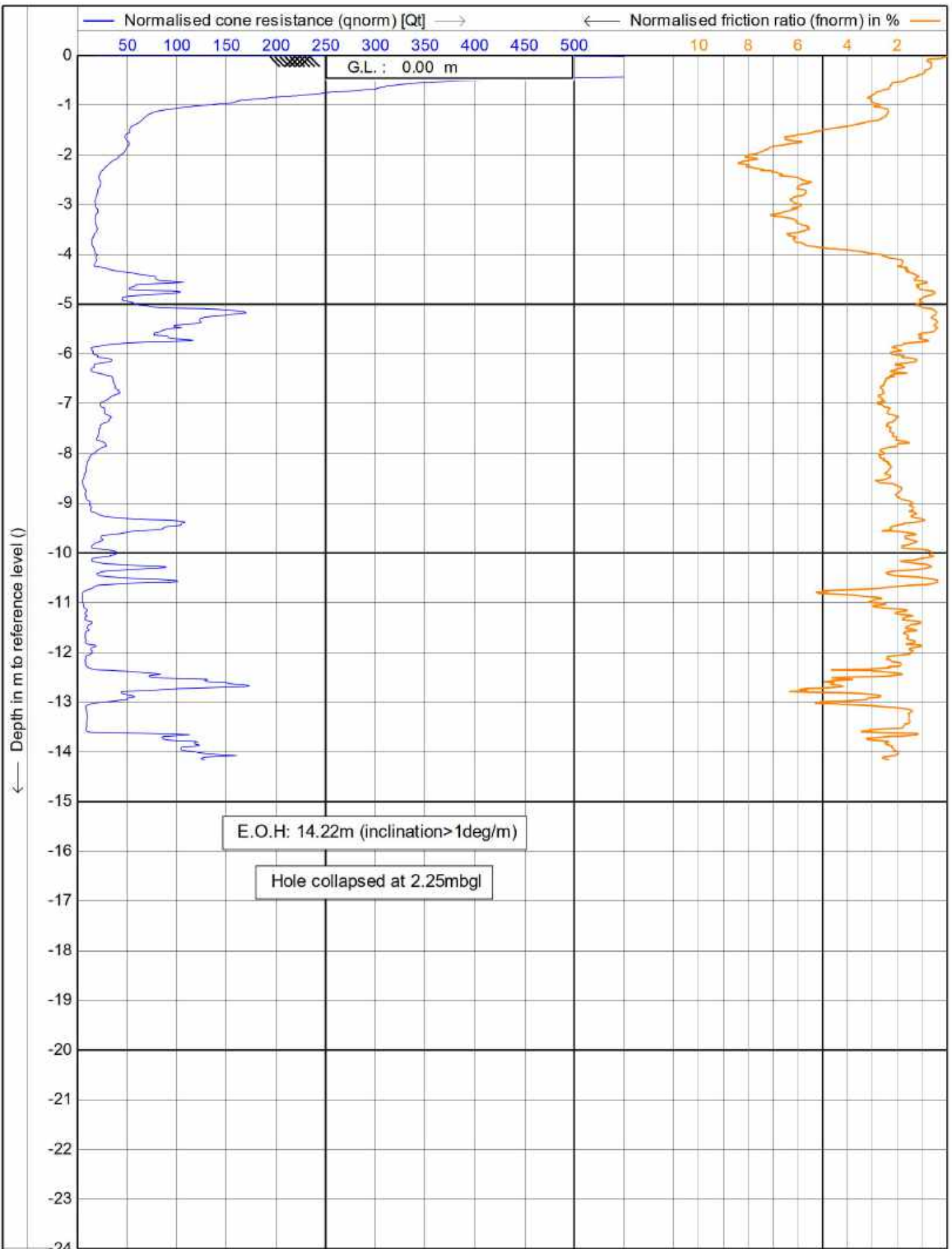
Position: 174.96741, -37.04146 WGS 84

Date : 16/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_07 7/15



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96741, -37.04146 WGS 84

Date : 16/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

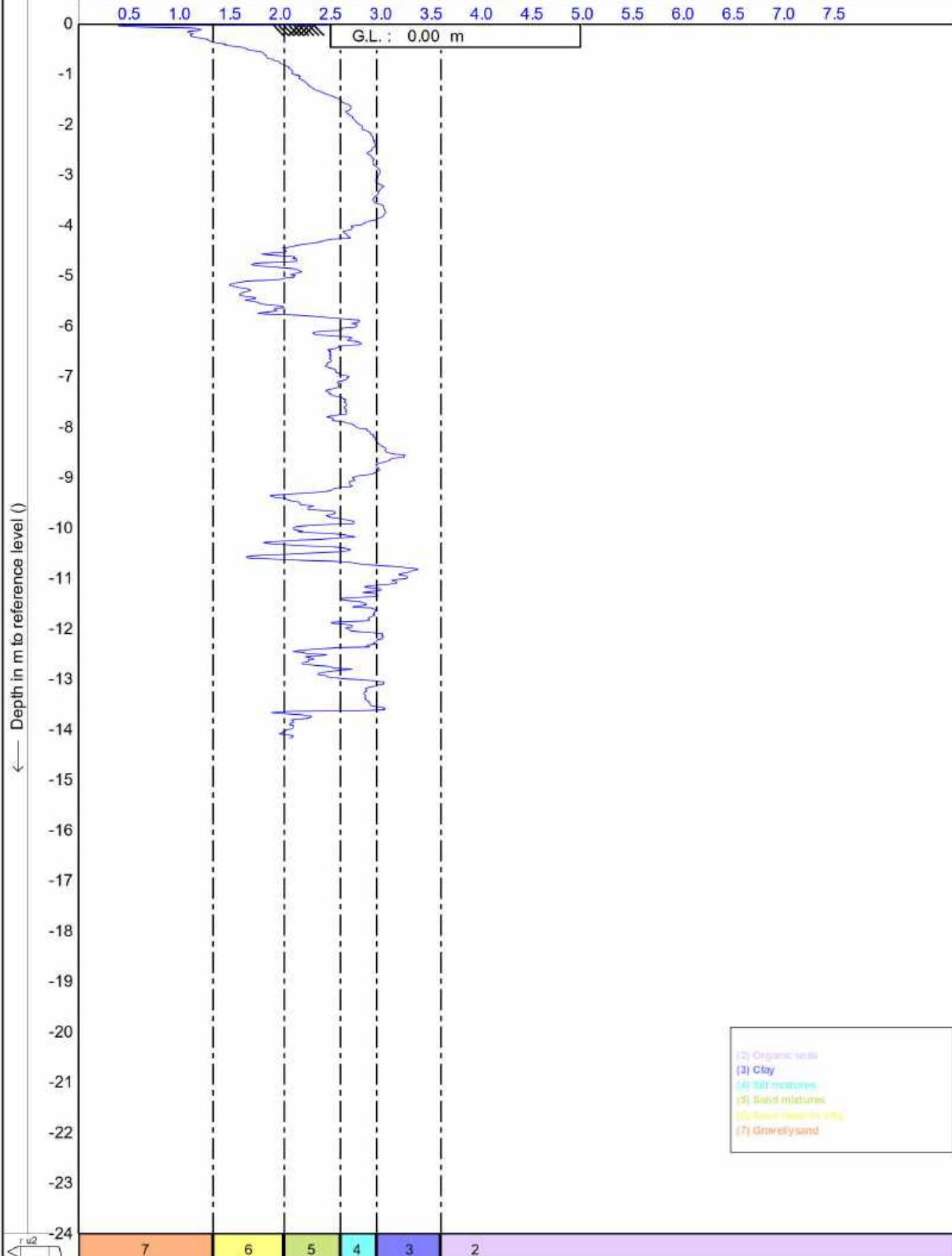
CPT no. : CPT_07 8/15

← 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



150 cm³
10 cm³

DRILLFORCE
THE DRILLING SPECIALISTS

Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96741, -37.04146 WGS 84

Date : 16/04/2021

Cone no. : S10CFIP.S16082

Project no. : **DF21GE034**

CPT no. : **CPT_07** 9/15

← Depth in m to reference level ()

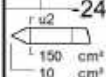
— Undrained shear strength (Su) in kPa →

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

G.L. : 0.00 m

E.O.H: 14.22m (inclination>1deg/m)

Hole collapsed at 2.25mbgl



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96741, -37.04146 WGS 84

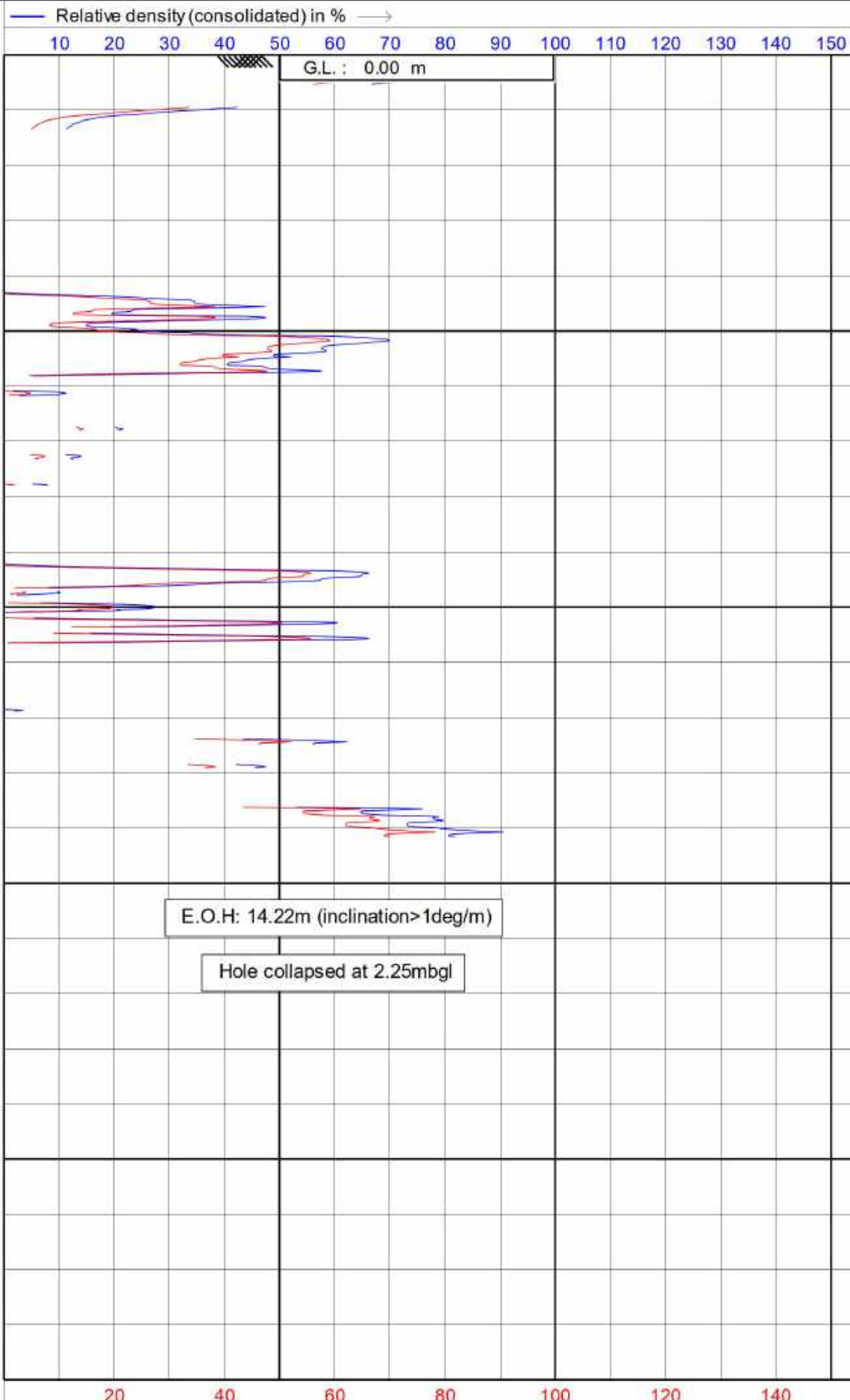
Date : 16/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_07 10/15

Depth in m to reference level ()



DRILLFORCE
THE DRILLING SPECIALISTS

Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96741, -37.04146 WGS 84

Date : 16/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_07 11/15

Depth in m to reference level ()

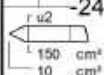
Equivalent SPT N60 Value →

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

G.L. : 0.00 m

E.O.H: 14.22m (inclination>1deg/m)

Hole collapsed at 2.25mbgl



DRILLFORCE
THE DRILLING SPECIALISTS

Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96741, -37.04146 WGS 84

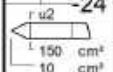
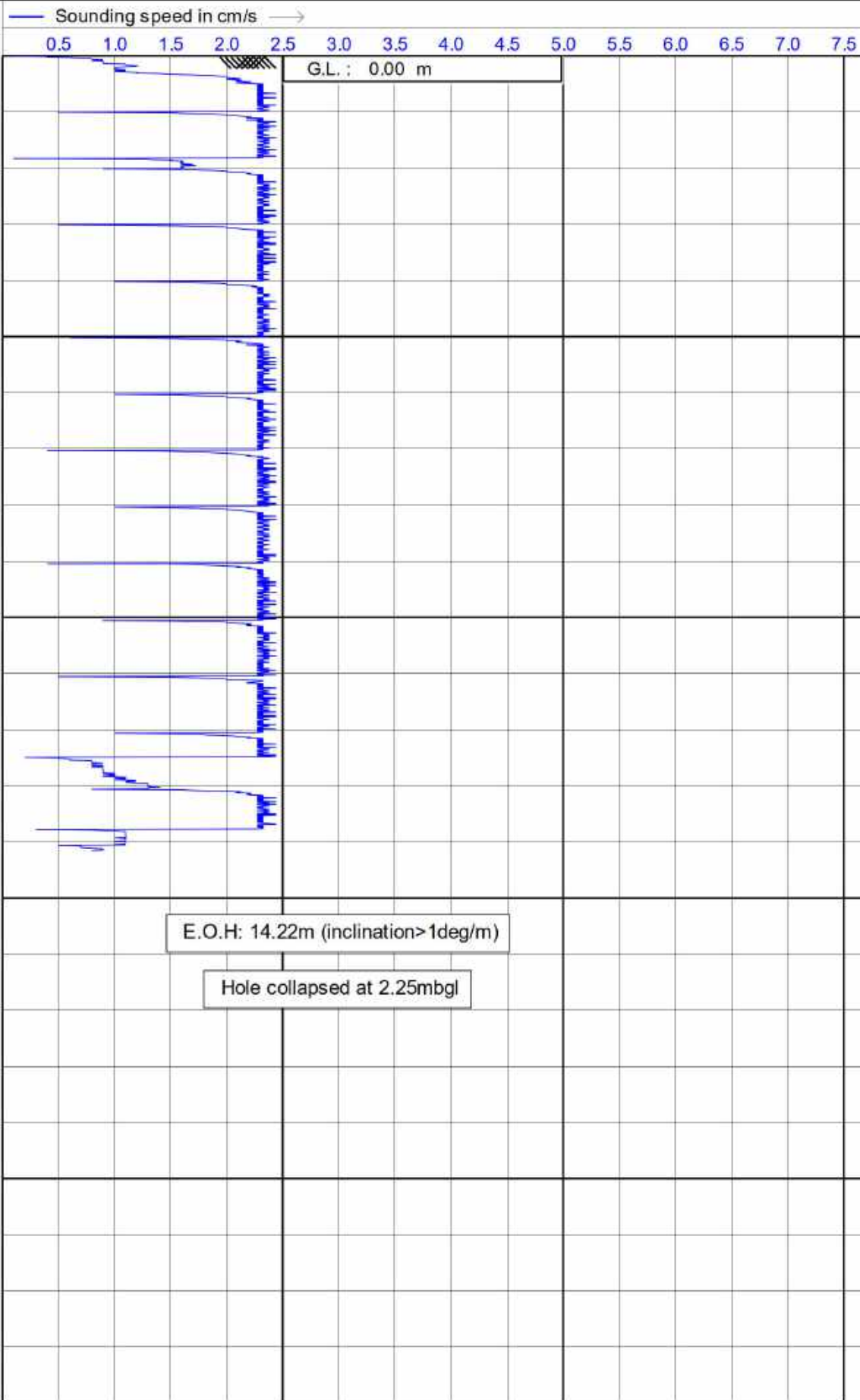
Date : 16/04/2021

Cone no. : S10CFIP.S16082

Project no. : **DF21GE034**

CPT no. : **CPT_07** 12/15

← Depth in m to reference level ()



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

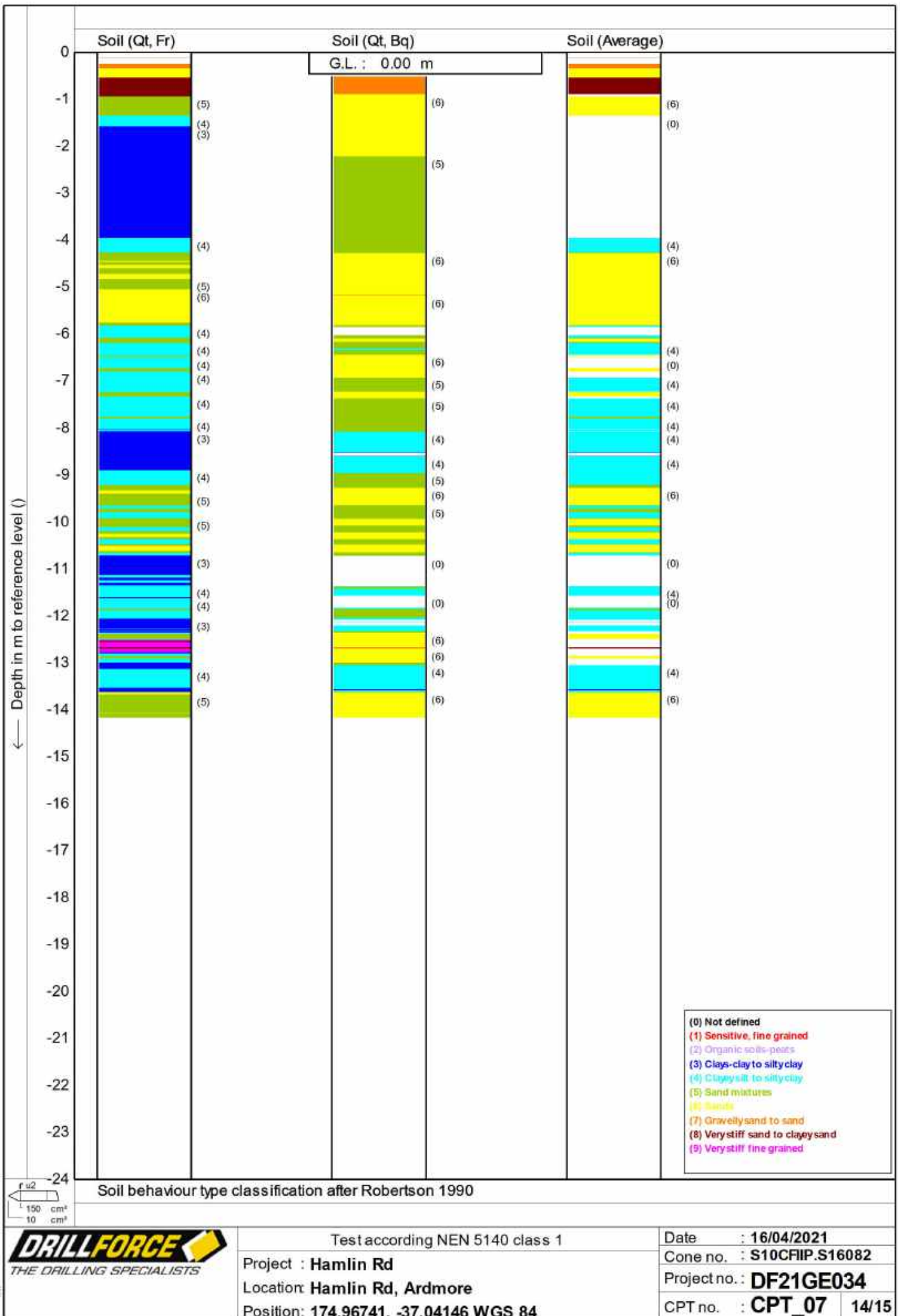
Position: 174.96741, -37.04146 WGS 84

Date : 16/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_07 13/15



← Depth in m to reference level ()

— Internal friction angle in degrees —→

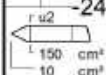
5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

G.L. : 0.00 m

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

E.O.H: 14.22m (inclination>1deg/m)

Hole collapsed at 2.25mbgl



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96741, -37.04146 WGS 84

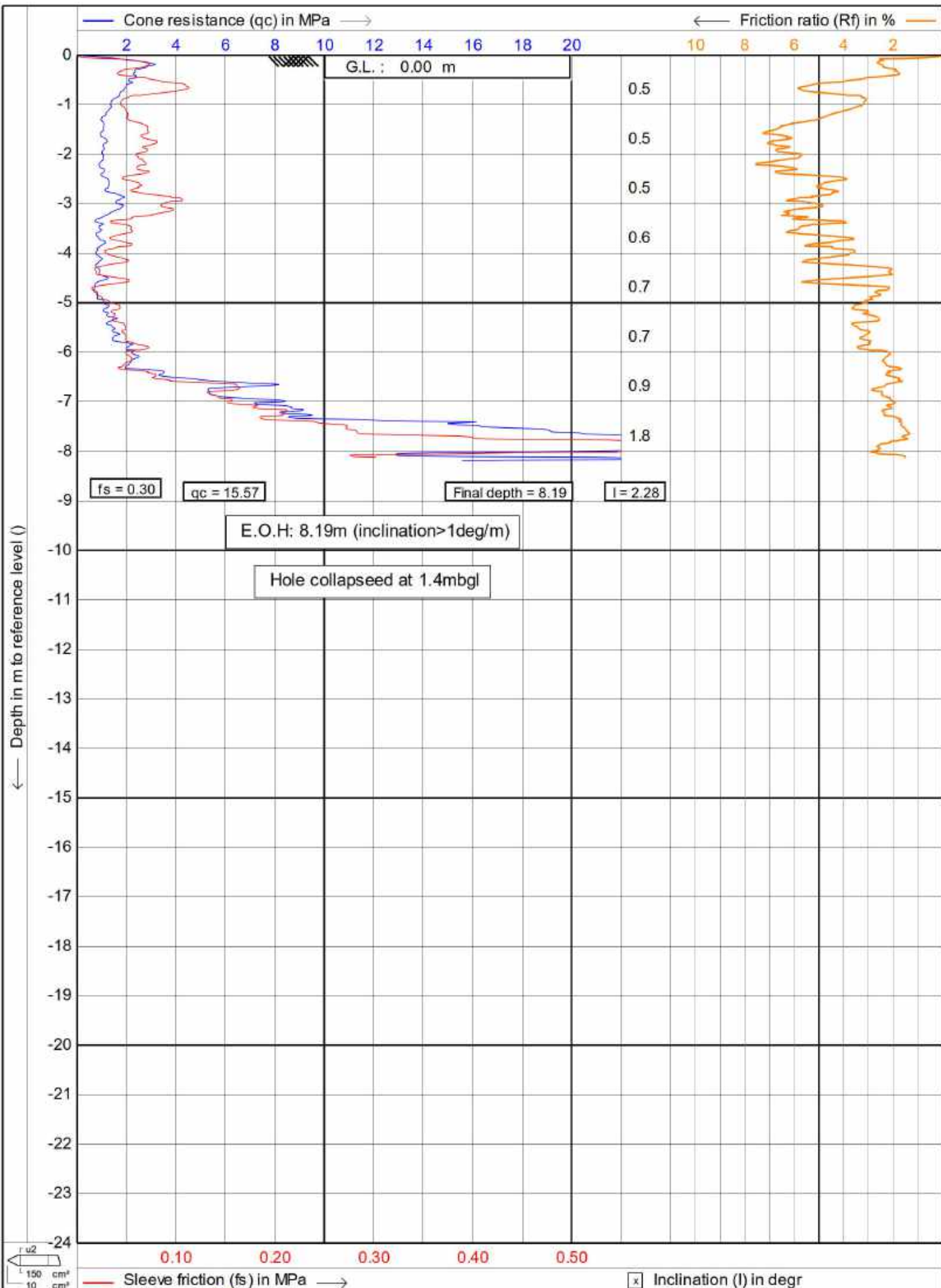
Date : 16/04/2021

Cone no. : S10CFIP.S16082

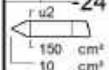
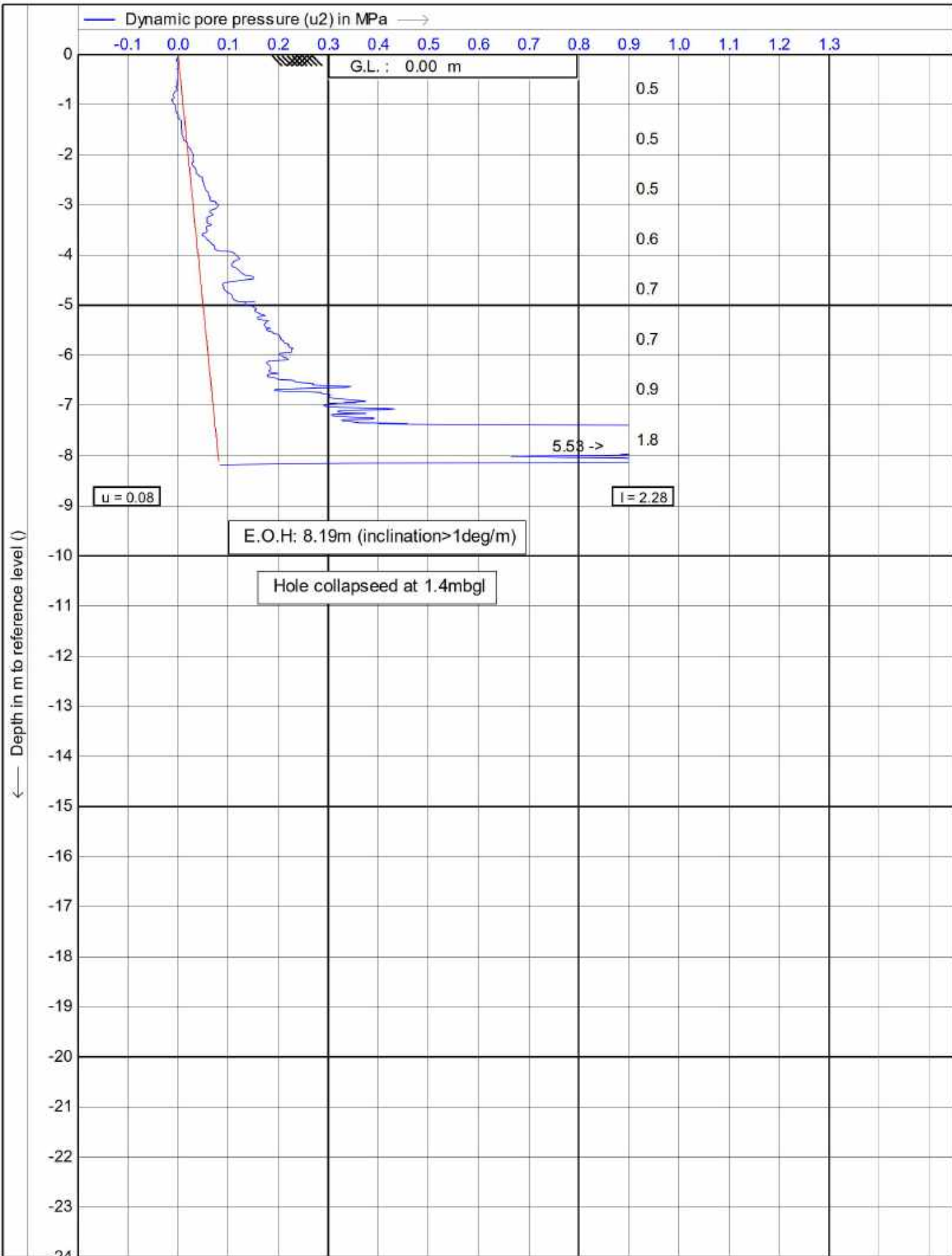
Project no. : DF21GE034

CPT no. : CPT_07 15/15

Depth in m to reference level ()



Depth in m to reference level ()



DRILLFORCE
THE DRILLING SPECIALISTS

Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96364, -37.04264 WGS 84

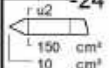
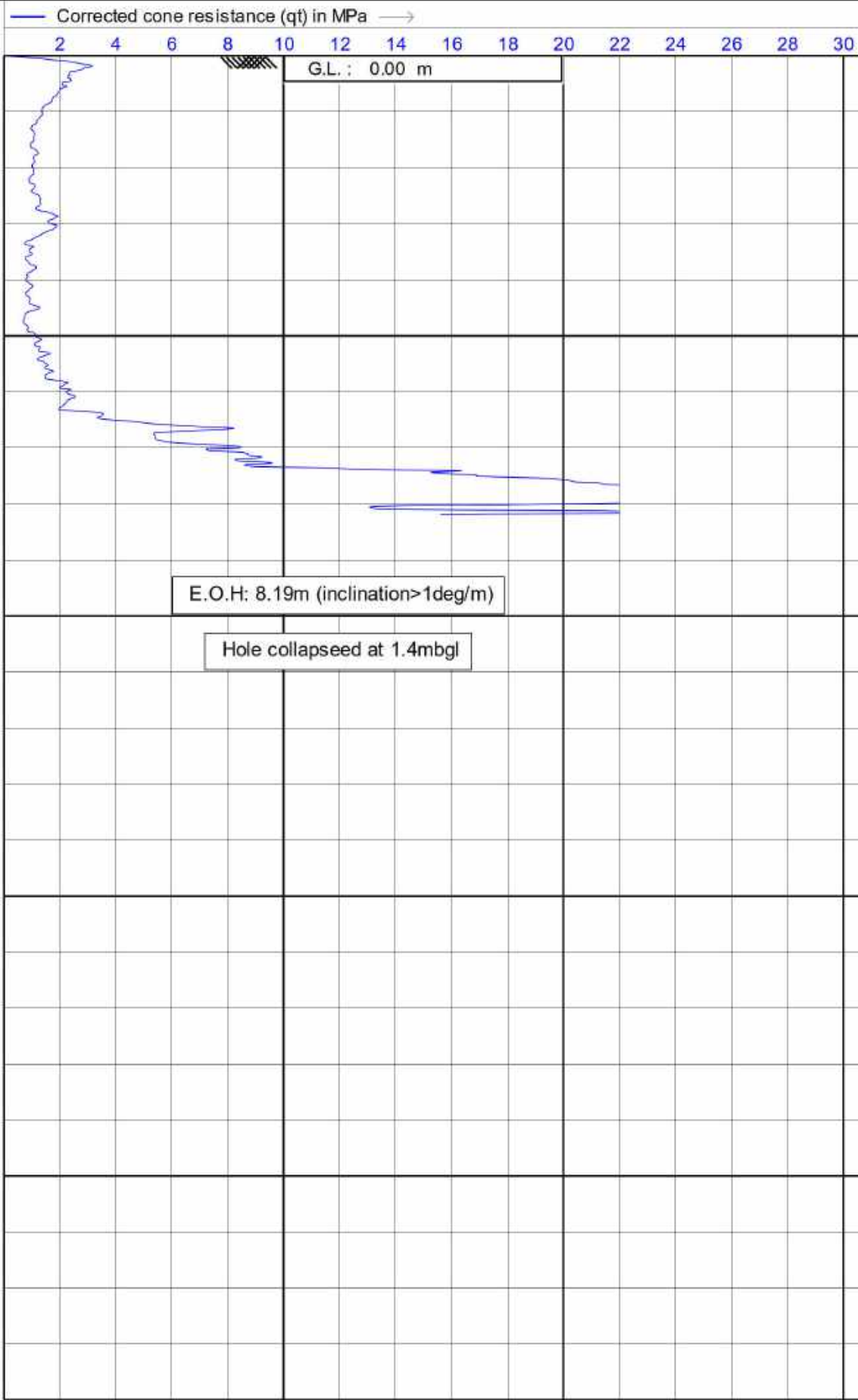
Date : 16/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_08 2/15

← Depth in m to reference level ()



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96364, -37.04264 WGS 84

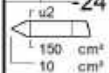
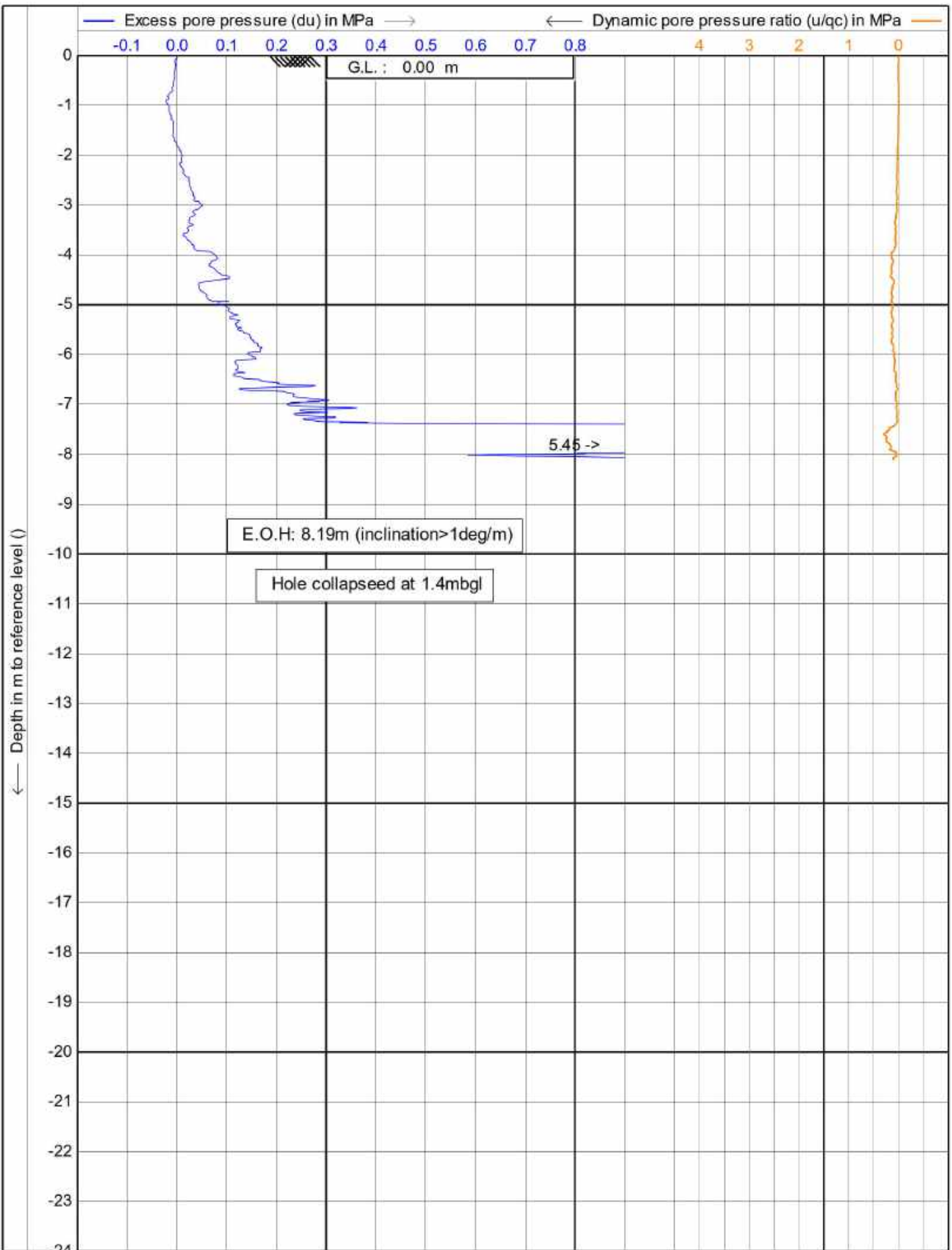
Date : 16/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_08 3/15

Depth in m to reference level ()



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96364, -37.04264 WGS 84

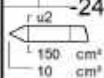
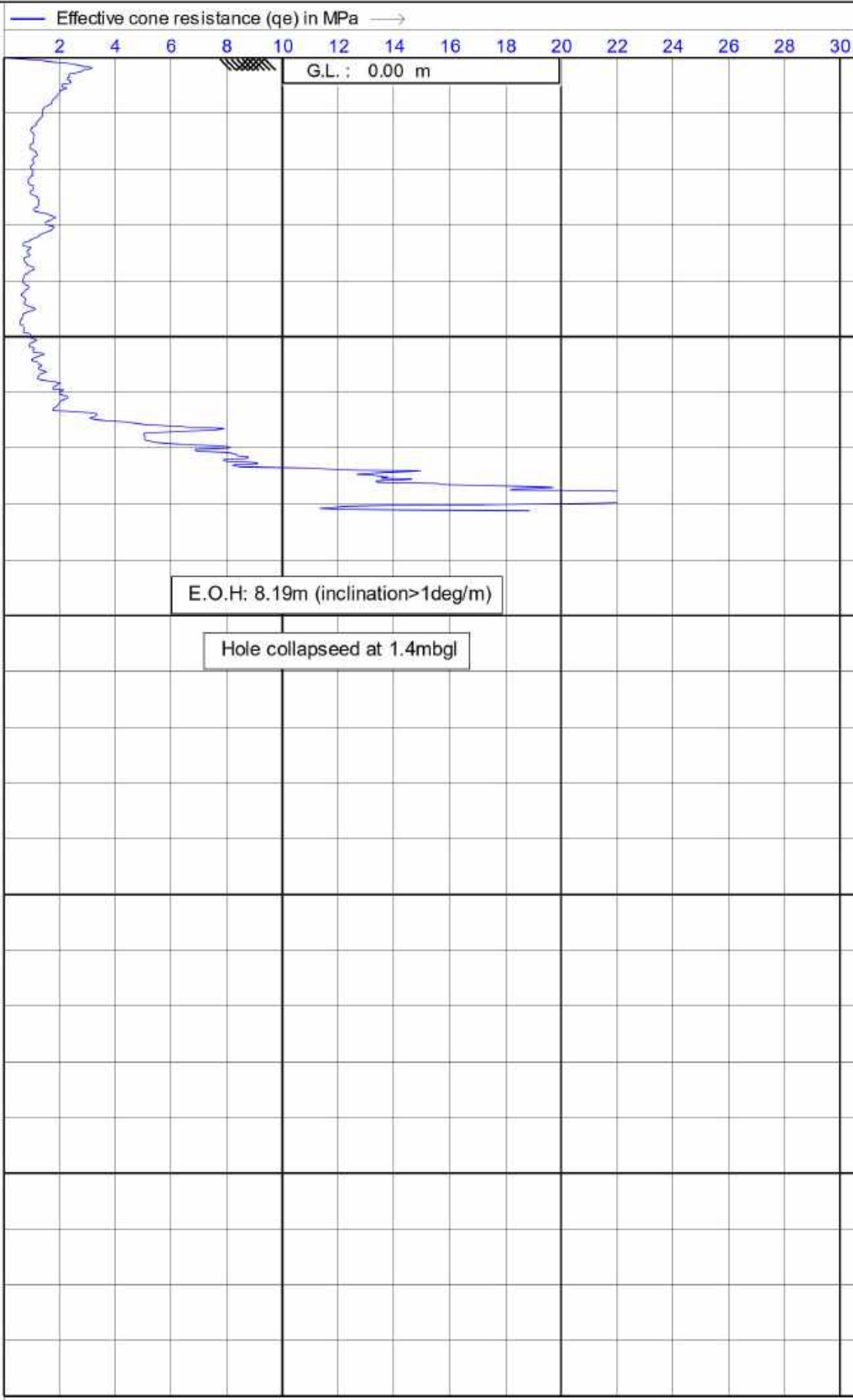
Date : 16/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_08 4/15

Depth in m to reference level ()



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96364, -37.04264 WGS 84

Date : 16/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_08 5/15

← 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

E.O.H: 8.19m (inclination>1deg/m)

Hole collapseed at 1.4mbgl

100 200 300 400 500 600 700

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



DRILLFORCE
THE DRILLING SPECIALISTS

Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96364, -37.04264 WGS 84

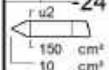
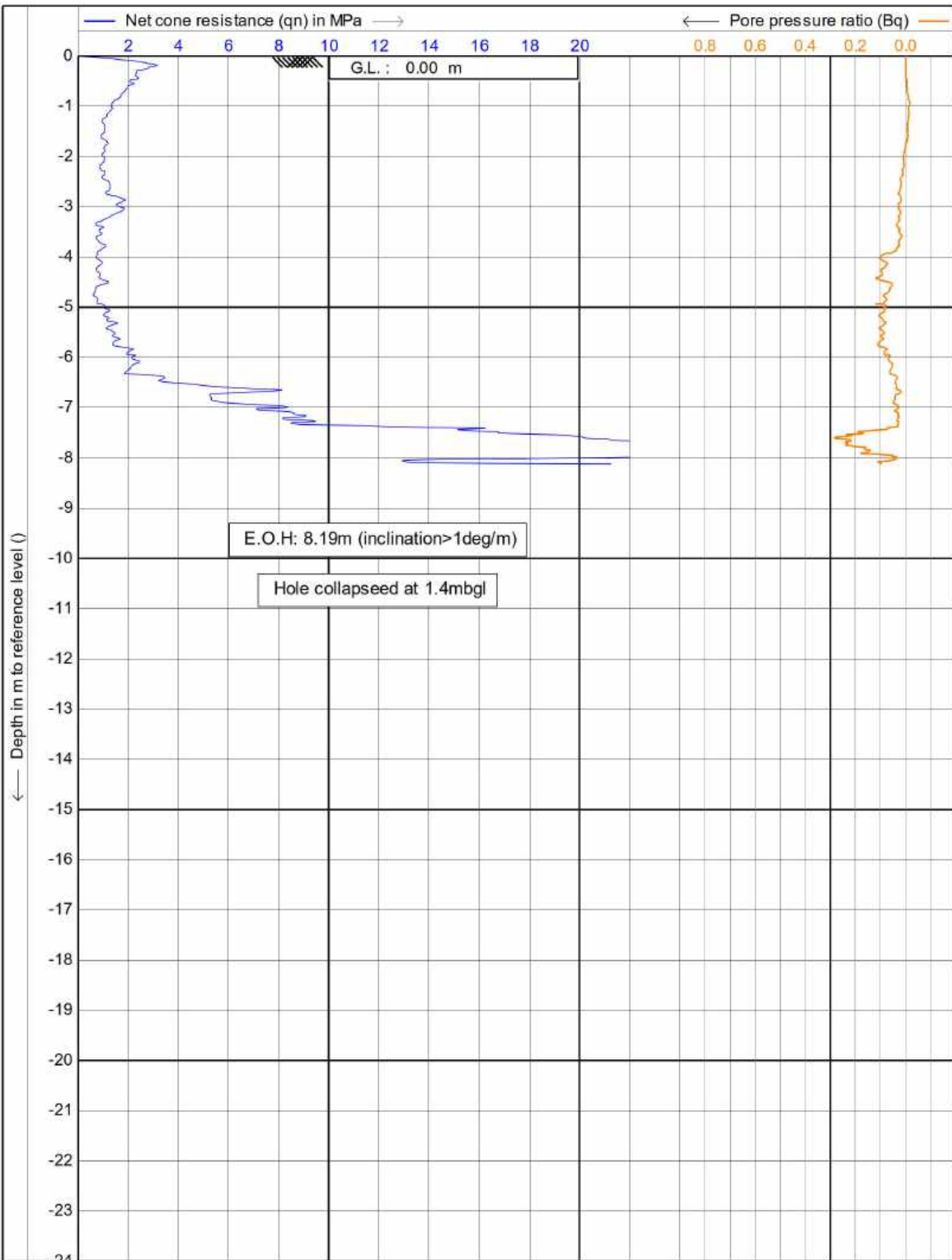
Date : 16/04/2021

Cone no. : S10CFIP.S16082

Project no. : **DF21GE034**

CPT no. : **CPT_08** 6/15

Depth in m to reference level ()



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96364, -37.04264 WGS 84

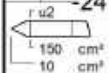
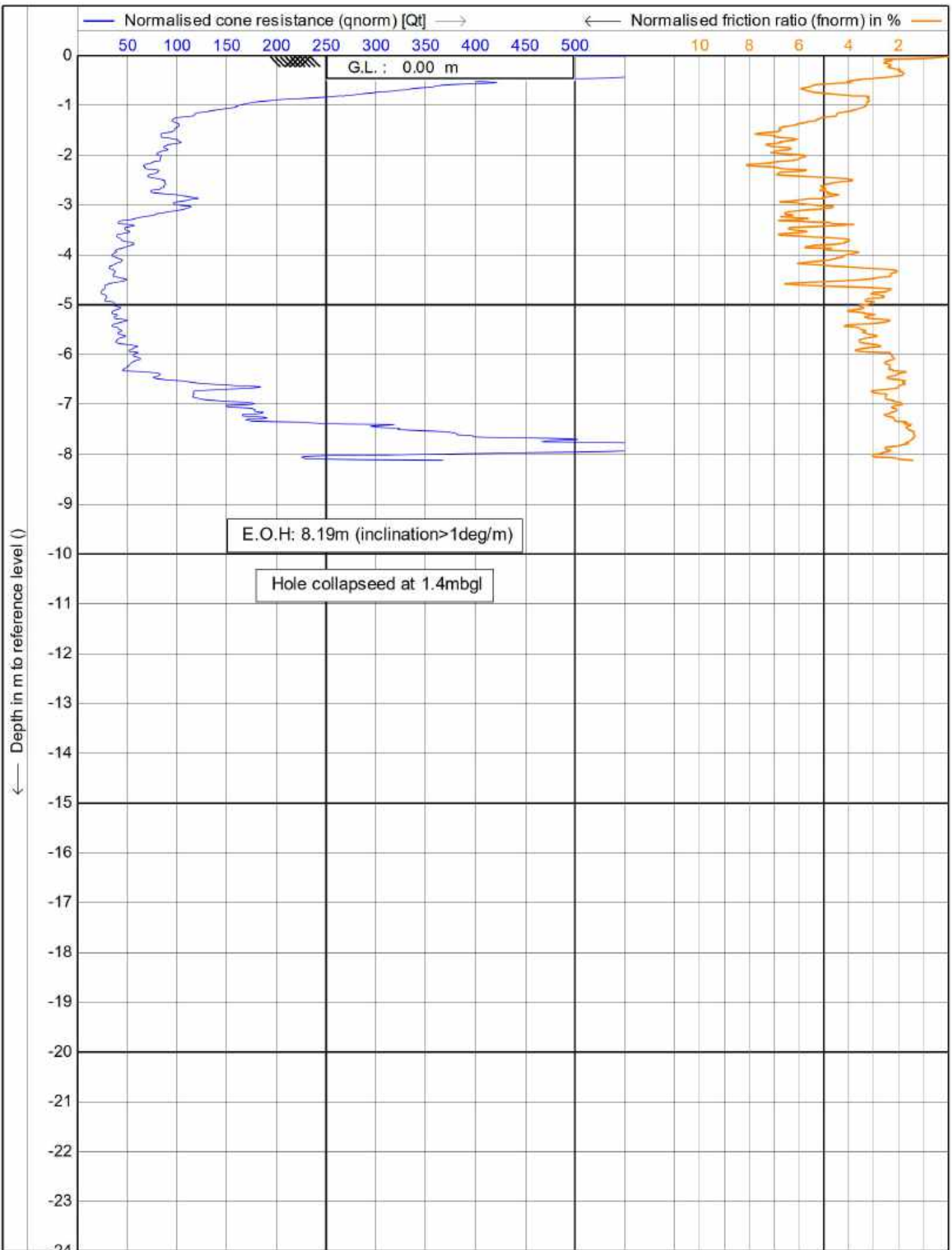
Date : 16/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_08 7/15

← Depth in m to reference level ()



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96364, -37.04264 WGS 84

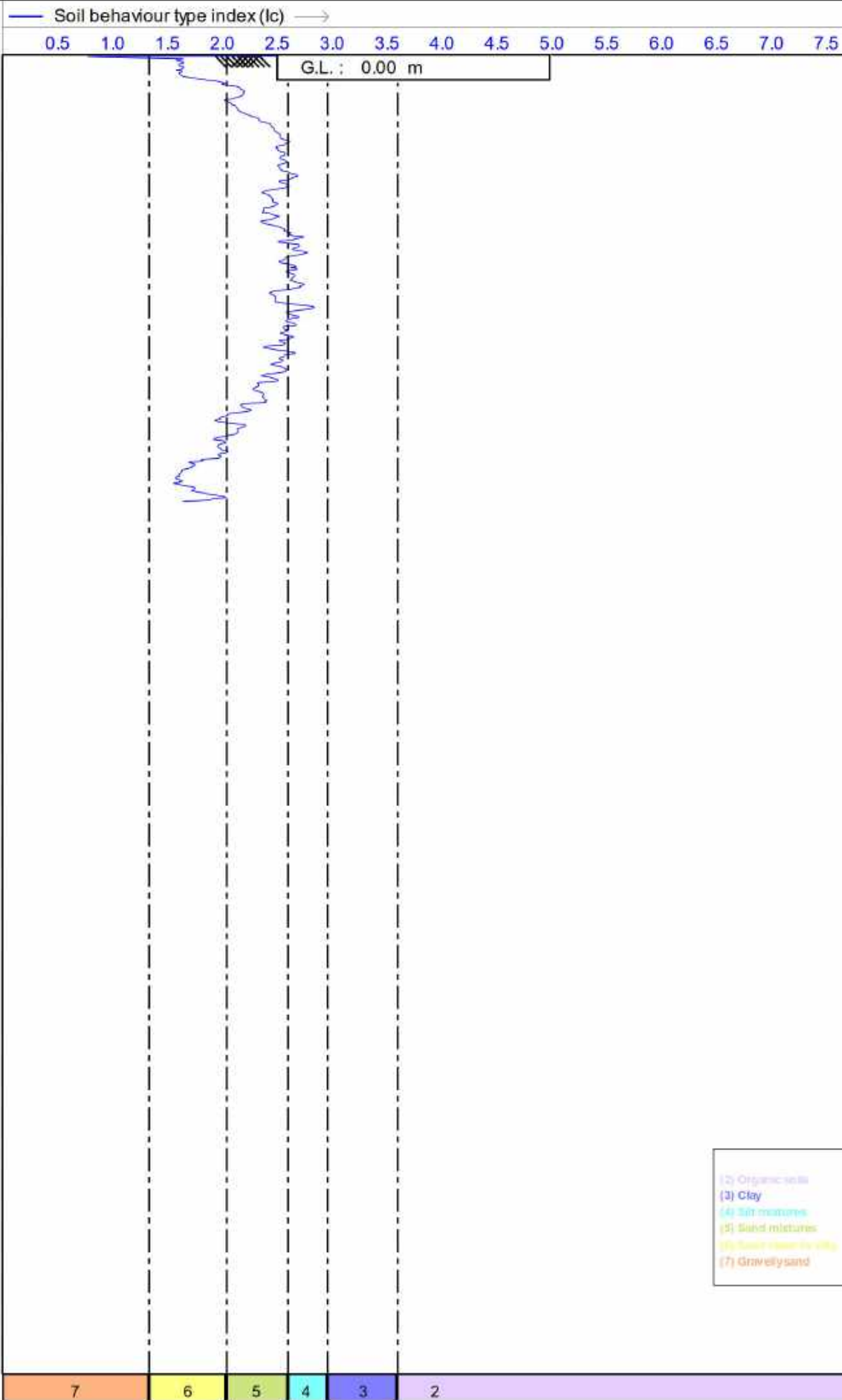
Date : 16/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_08 8/15

← Depth in m to reference level ()



150 cm³
10 cm³



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96364, -37.04264 WGS 84

Date : 16/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_08 9/15

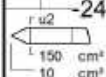
← Depth in m to reference level ()

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

E.O.H: 8.19m (inclination>1deg/m)

Hole collapseed at 1.4mbgl



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96364, -37.04264 WGS 84

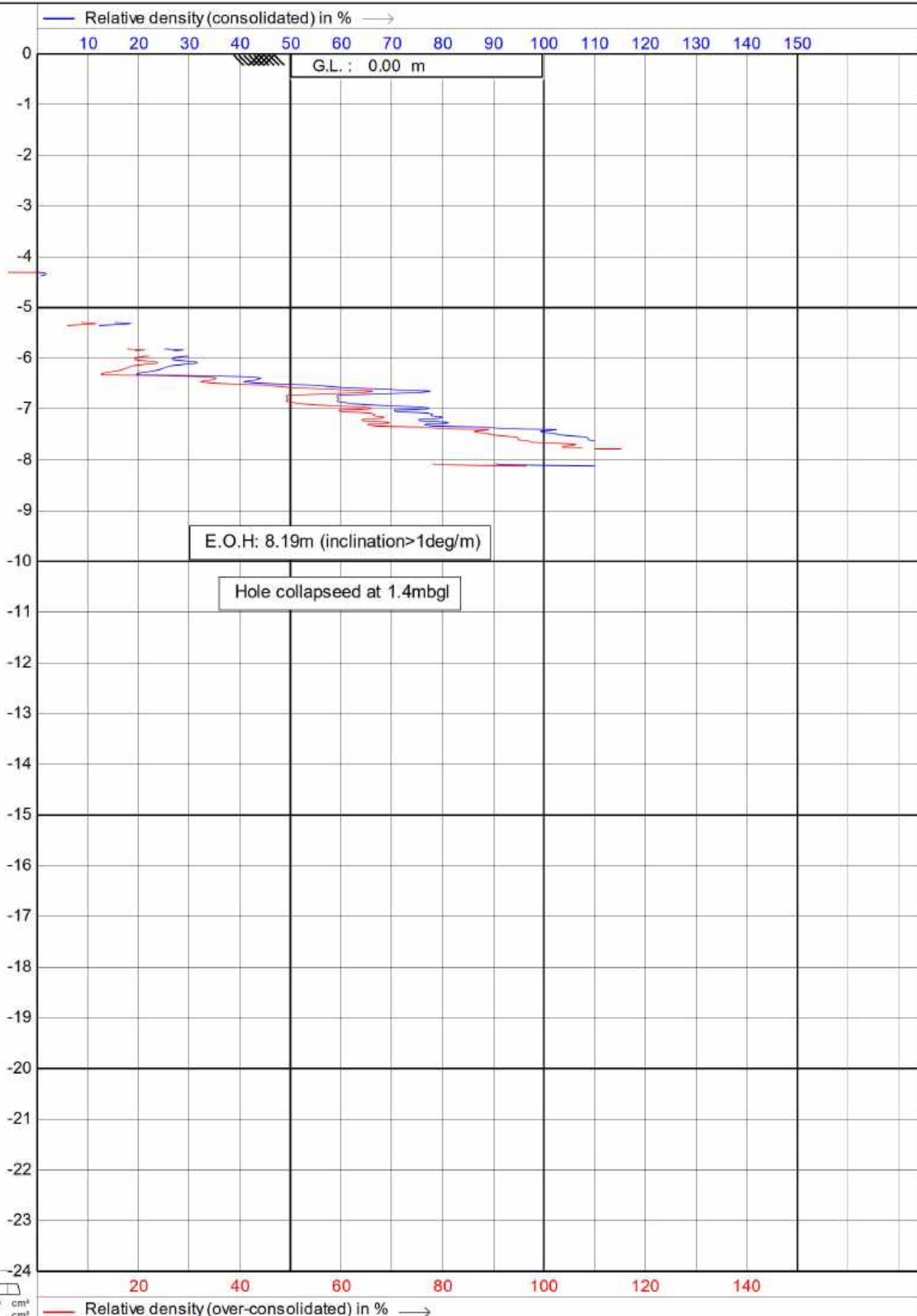
Date : 16/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_08 10/15

← Depth in m to reference level ()



DRILLFORCE
THE DRILLING SPECIALISTS

Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96364, -37.04264 WGS 84

Date : 16/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_08 11/15

← Depth in m to reference level ()

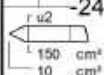
Equivalent SPT N60 Value →

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

G.L. : 0.00 m

E.O.H: 8.19m (inclination>1deg/m)

Hole collapseed at 1.4mbgl



DRILLFORCE
THE DRILLING SPECIALISTS

Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96364, -37.04264 WGS 84

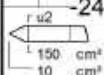
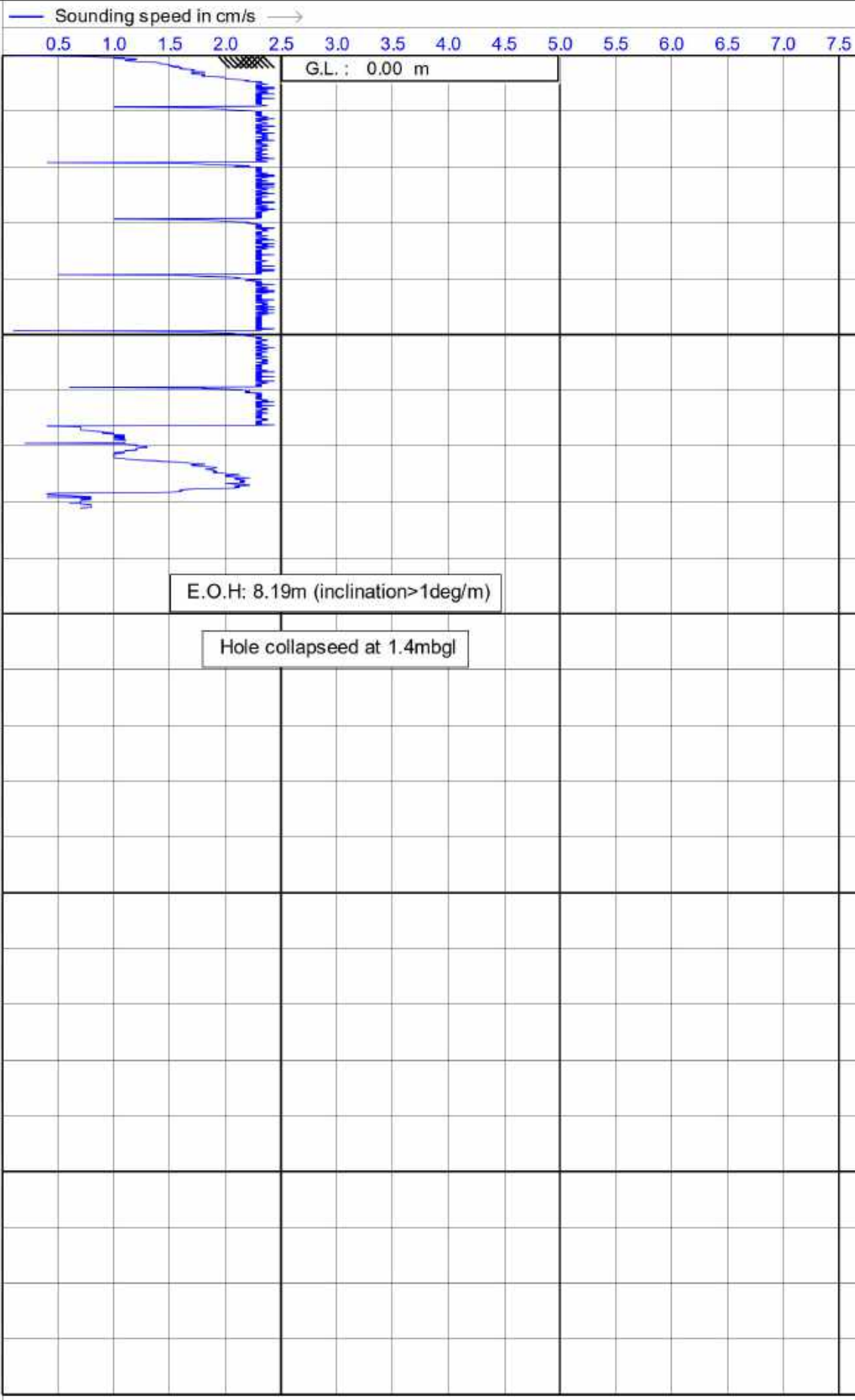
Date : 16/04/2021

Cone no. : S10CFIP.S16082

Project no. : **DF21GE034**

CPT no. : **CPT_08** 12/15

← Depth in m to reference level ()



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96364, -37.04264 WGS 84

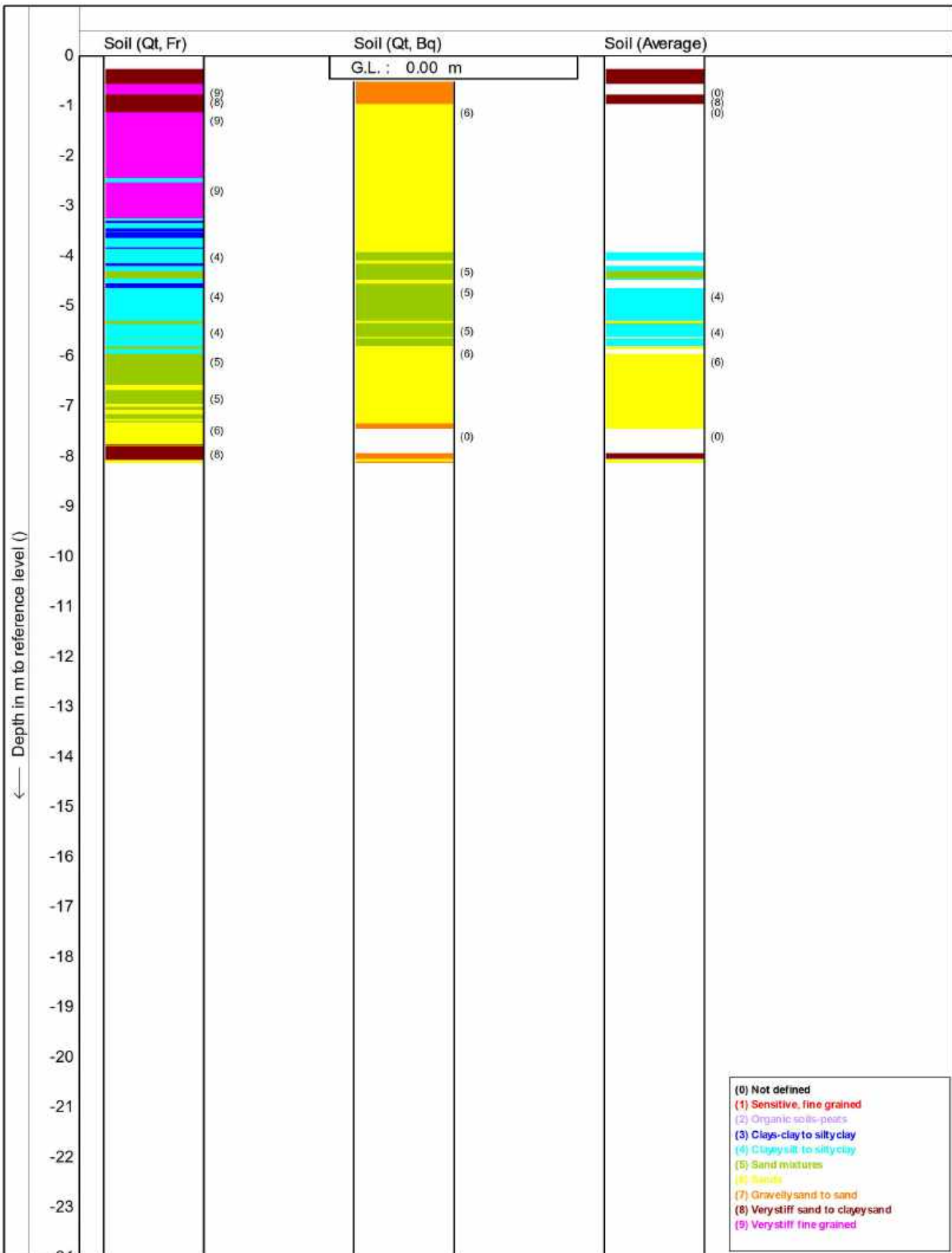
Date : 16/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

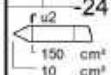
CPT no. : CPT_08 13/15

← Depth in m to reference level ()



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

Soil behaviour type classification after Robertson 1990



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96364, -37.04264 WGS 84

Date : 16/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_08 14/15

← Depth in m to reference level ()

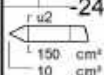
— Internal friction angle in degrees —→

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

G.L. : 0.00 m

E.O.H: 8.19m (inclination>1deg/m)

Hole collapseed at 1.4mbgl



DRILLFORCE
THE DRILLING SPECIALISTS

Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

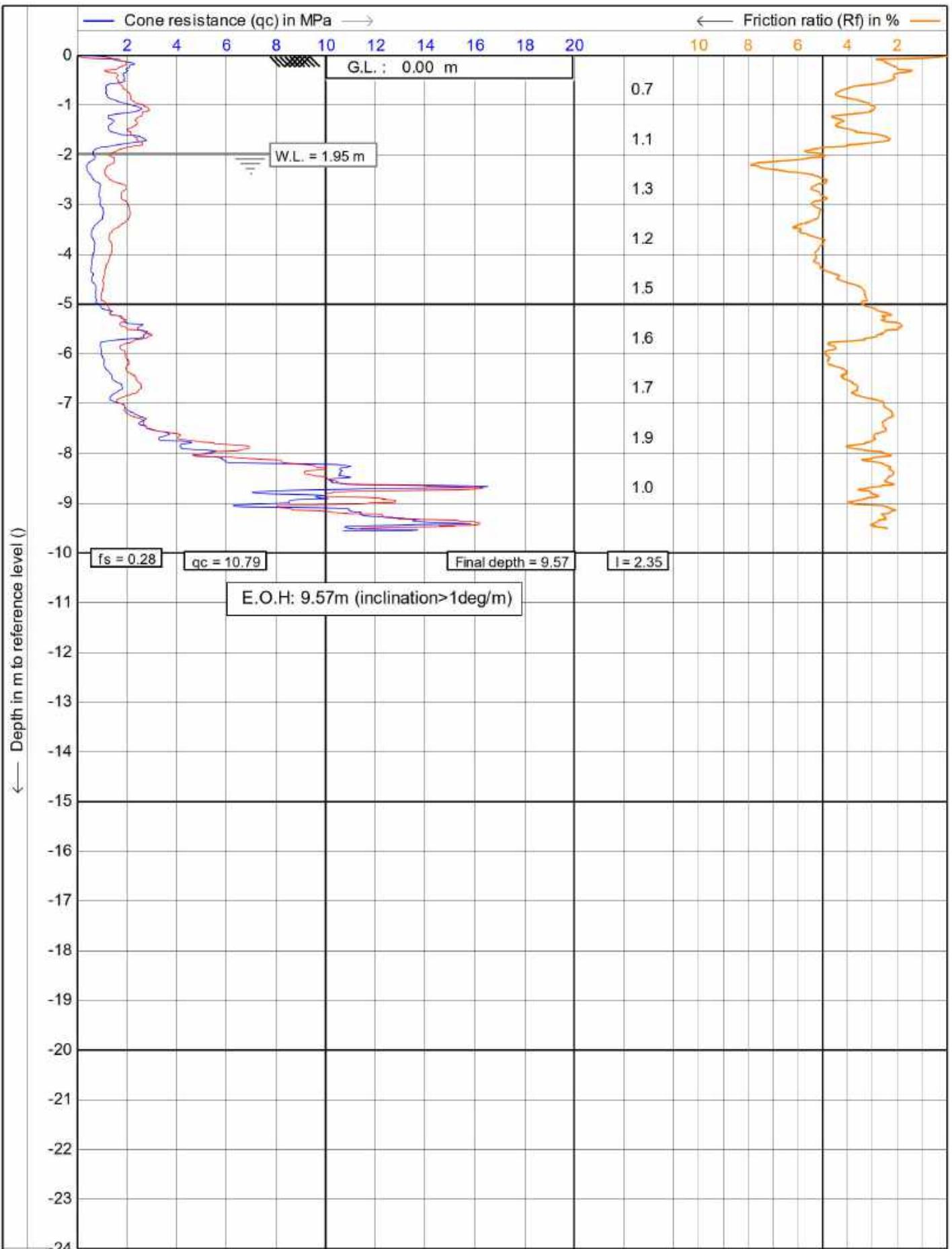
Position: 174.96364, -37.04264 WGS 84

Date : 16/04/2021

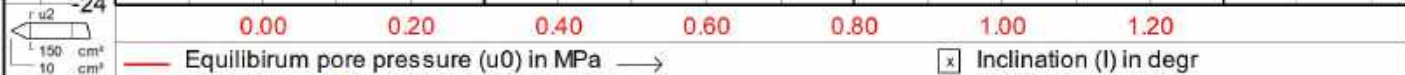
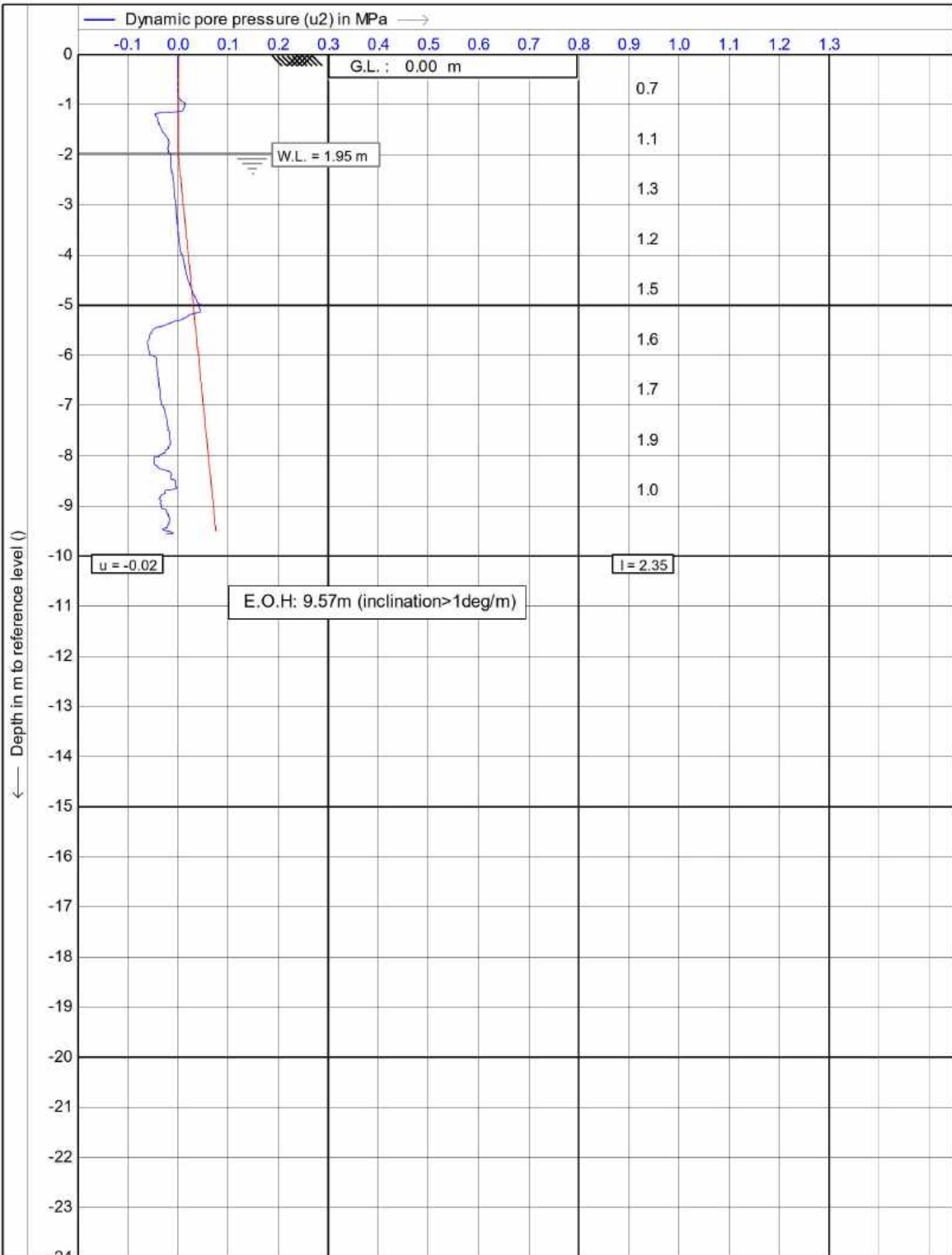
Cone no. : S10CFIP.S16082

Project no. : **DF21GE034**

CPT no. : **CPT_08** 15/15

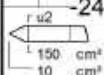
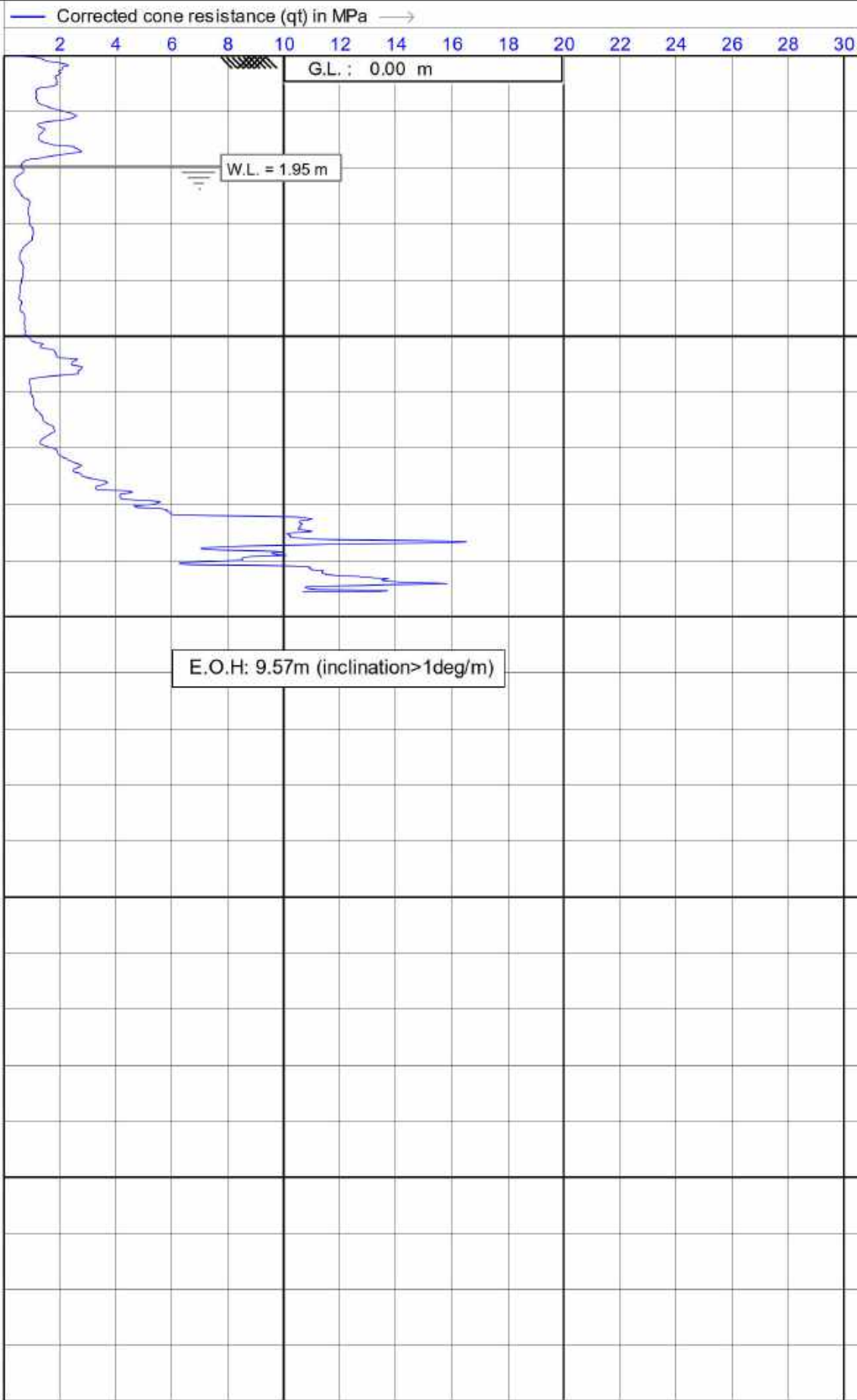


Depth in m to reference level ()



Test according NEN 5140 class 1		Date : 16/04/2021
Project : Hamlin Rd		Cone no. : S10CFIP.S16082
Location: Hamlin Rd, Ardmore		Project no. : DF21GE034
Position: 174.96484, -37.04044 WGS 84		CPT no. : CPT_09 2/15

← Depth in m to reference level ()



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96484, -37.04044 WGS 84

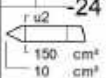
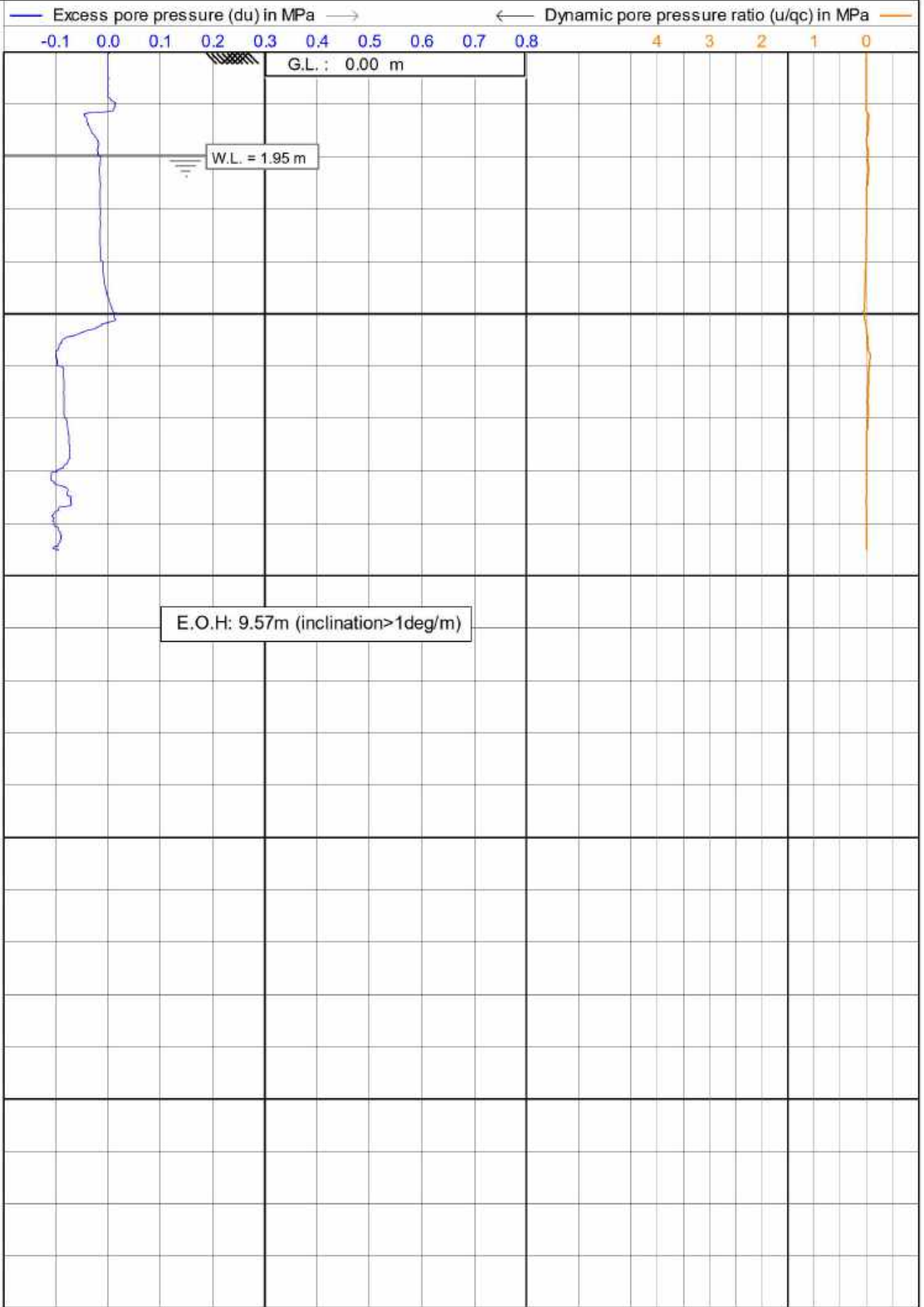
Date : 16/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_09 3/15

Depth in m to reference level ()



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96484, -37.04044 WGS 84

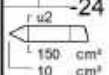
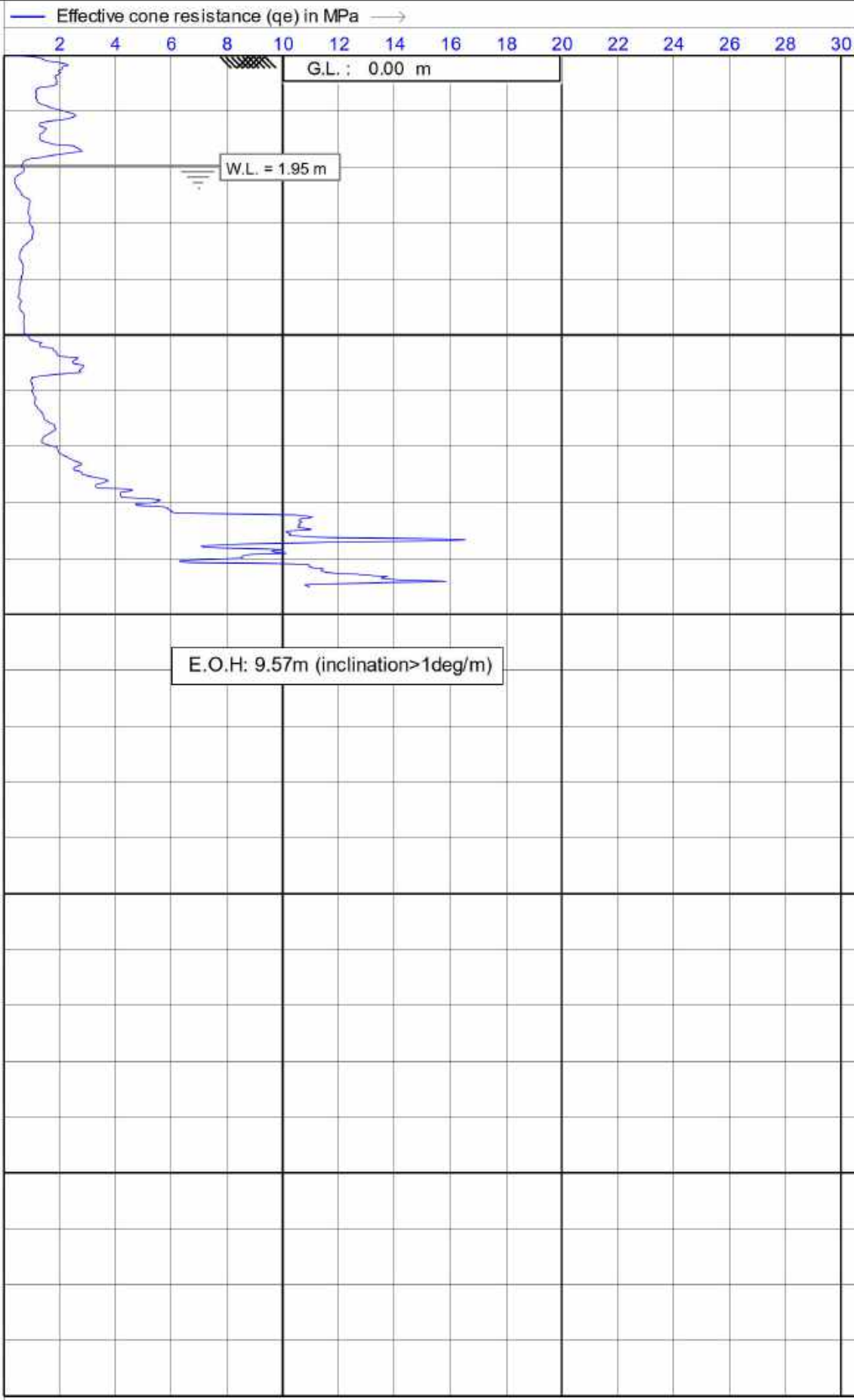
Date : 16/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_09 4/15

← Depth in m to reference level ()



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96484, -37.04044 WGS 84

Date : 16/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_09 5/15

← 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

W.L. = 1.95 m

E.O.H: 9.57m (inclination>1deg/m)

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

100 200 300 400 500 600 700



DRILL FORCE
THE DRILLING SPECIALISTS

Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96484, -37.04044 WGS 84

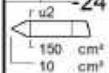
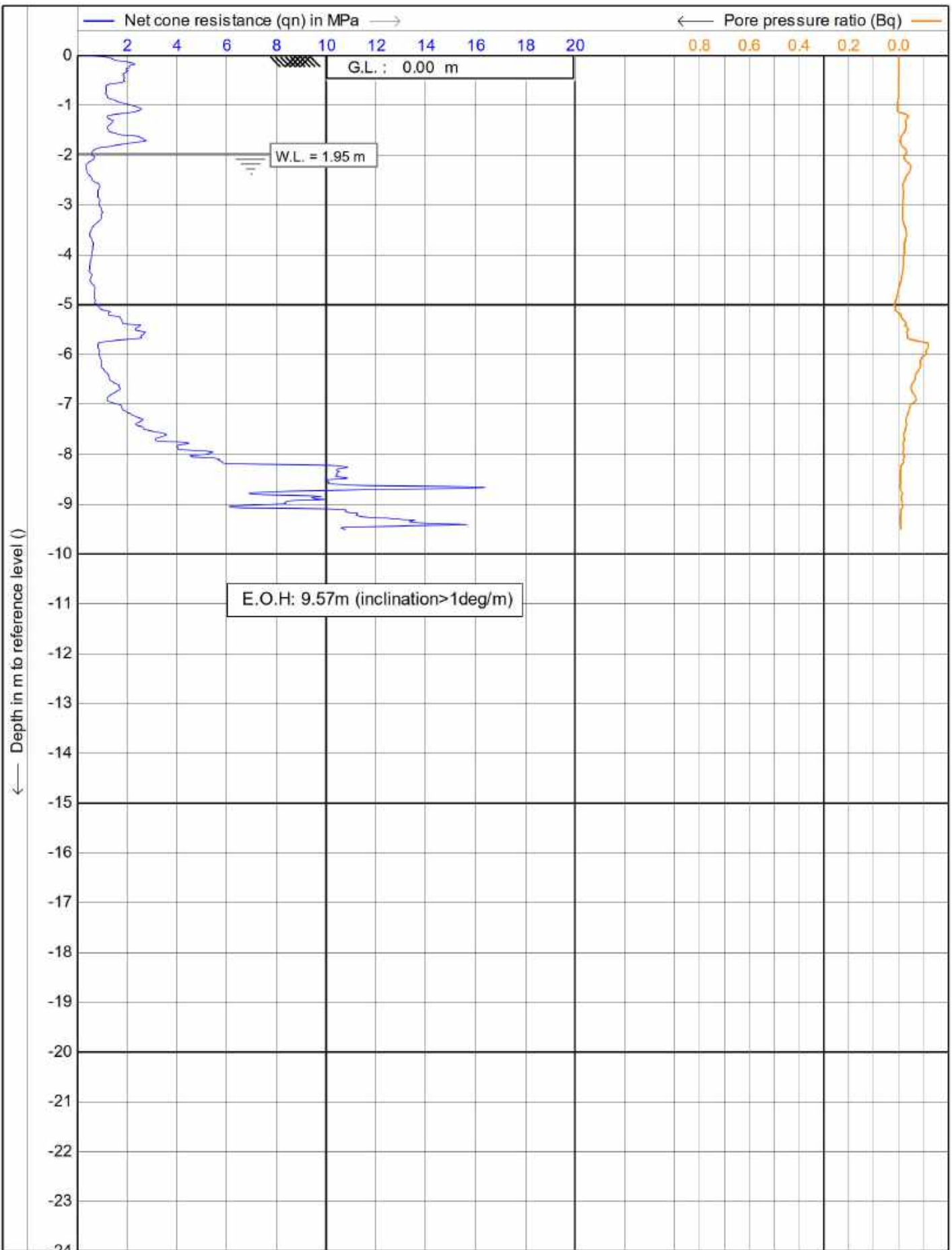
Date : 16/04/2021

Cone no. : S10CFIP.S16082

Project no. : **DF21GE034**

CPT no. : **CPT_09** 6/15

← Depth in m to reference level ()



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96484, -37.04044 WGS 84

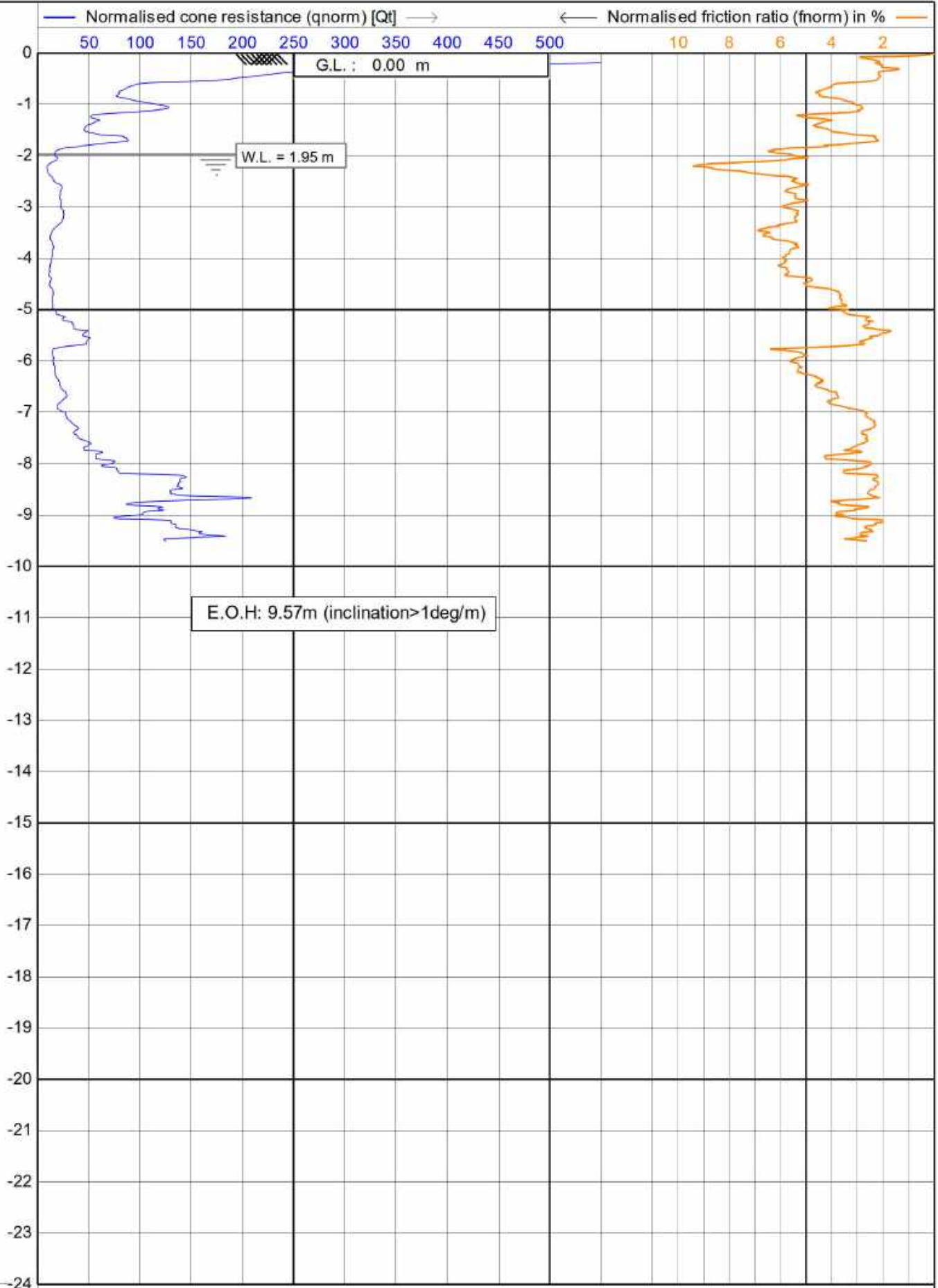
Date : 16/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_09 7/15

← Depth in m to reference level ()



← 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

W.L. = 1.95 m

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

r 50
L 150 cm³
10 cm³

7

6

5

4

3

2



Test according NEN 5140 class 1

Project : Hamlin Rd

Location: Hamlin Rd, Ardmore

Position: 174.96484, -37.04044 WGS 84

Date : 16/04/2021

Cone no. : S10CFIP.S16082

Project no. : DF21GE034

CPT no. : CPT_09 9/15