

**NOTES**  
 - PROPERTY DATA FROM LINZ  
 - AERIAL IMAGE FROM CCC POST 2011 EQ



REV	DATE	REVISION DETAILS	APPROVED
A	07.16	ISSUE	T.BROWNE

DRAWN	DESIGNED
R.Dawson	J.Muirson
CHECKED	
J.Kupec	
APPROVED	
DATE	
T. Browne	July 2016

PROJECT
PRESTONS SOUTH STAGES 2 W, X & Y
TITLE
NDM TESTING LOCATIONS

PROJECT No.	235361
SCALE	AS SHOWN
DRAWING No.	FIG 5
SIZE	A3
REV	A



**LEGEND**

- POST FILLING CPT
- VERIFICATION CPT



**NOTES** - PROPERTY DATA FROM LINZ  
- ARIAL IMAGE FROM CCC POST 2011 FO



REV	DATE	REVISION DETAILS	APPROVED	DRAWN	DESIGNED
				R.Dawson	J.Muirson
				CHECKED	
				J.Kupec	
				APPROVED	
				DATE	
A	07.16	ISSUE	T.BROWNE	T. Browne	July 2016

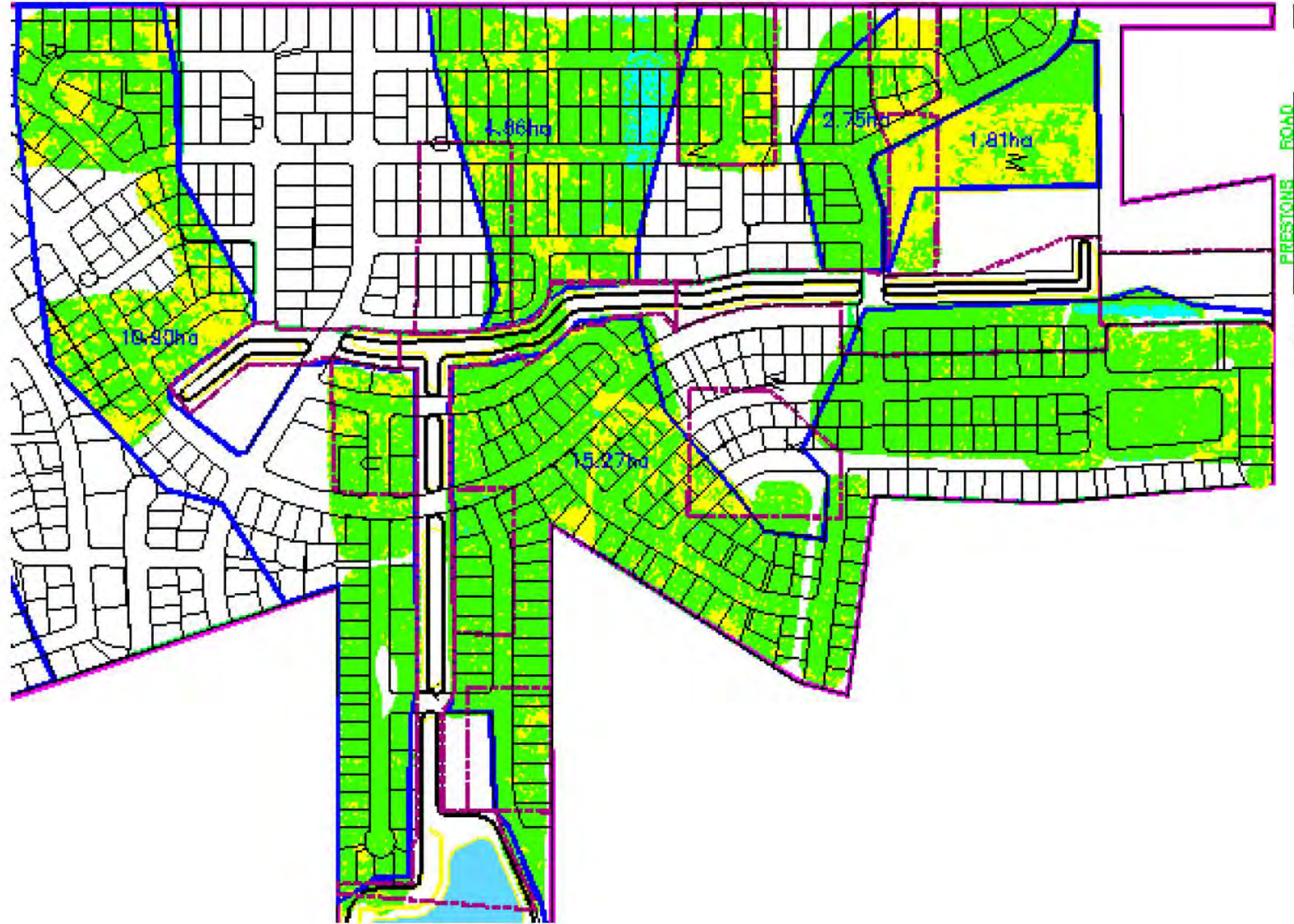
PROJECT	
PRESTONS SOUTH STAGES 2 W, X & Y	
TITLE	
POST EARTHWORKS CPTS	

PROJECT No.	235361
SCALE	AS SHOWN
DRAWING No.	FIG 6
SIZE	A3
REV	A



# Appendix B

## Landpac CIR



**CIR SOIL RESPONSE**

- **Low**
- **Medium**
- **High**
- **Very High**

**Notes:**

The CIR plot indicates the relative soil response to the dynamic loads imposed by the impact drums. The plot is derived from the recorded deceleration of the impact drums and the GPS locations of each impact point. High response values are typically a function of the sub-grade stiffness to a depth of the strain induced by the impact drums. The low and medium response values can be influenced by near surface soil conditions and do not necessarily indicate weaker sub-grade stiffness to a comparative depth. The low and medium response areas should be further investigated by a geotechnical engineer to confirm the suitability of the sub-grade.

**LAND PAC**

PO BOX 132, Seven Hills, NSW 1730  
(02) 9838 7044; 1300 237 045

Drawn: SD      Date: 08/11/2015  
Ckd: SD        Date: 10/11/2015

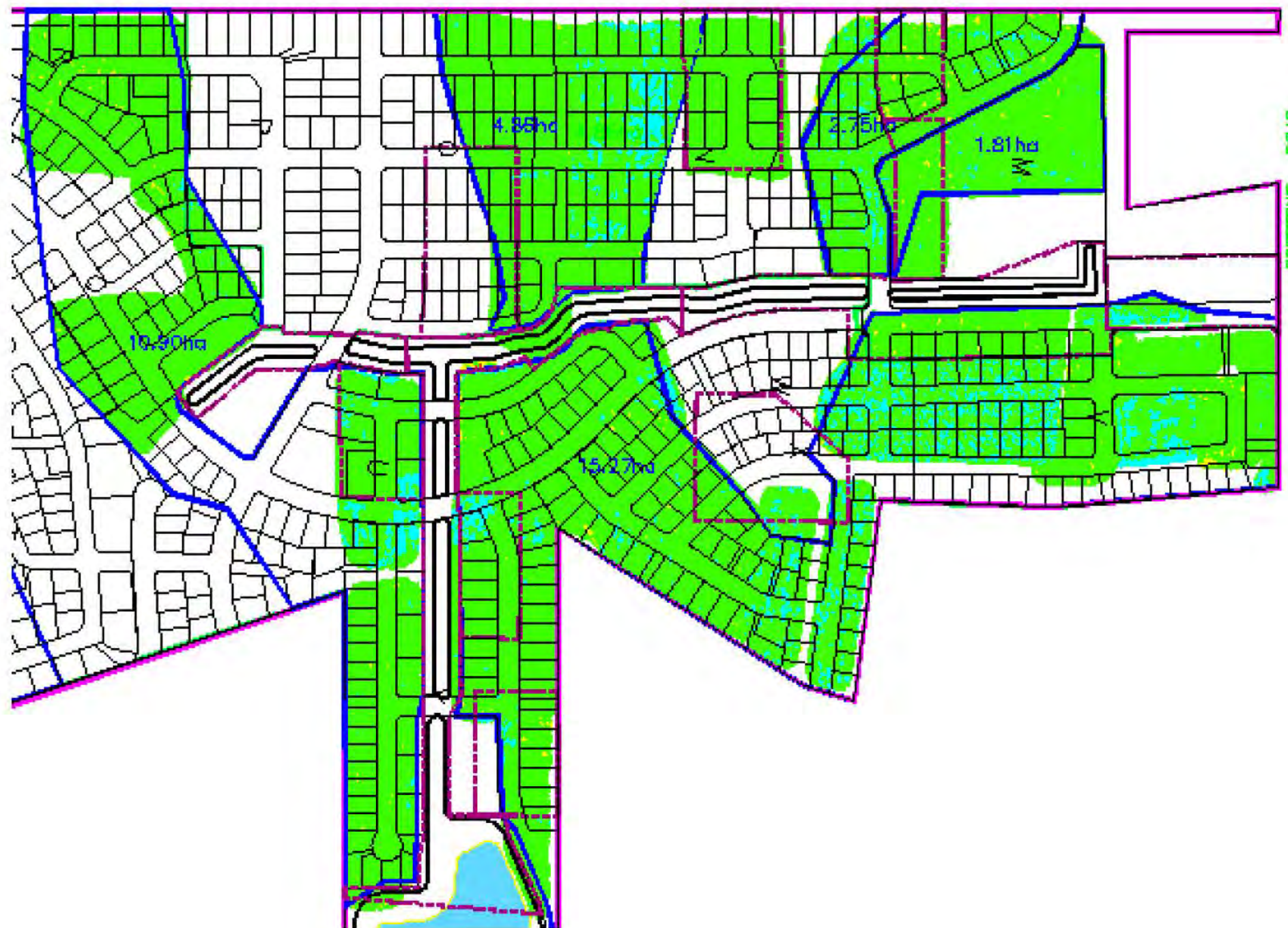
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Project:  
**PRESTONS SOUTH**

Drawing Title  
**INITIAL CIR (Soil Response) Plot**

Drg. No: Prestons-028

REV-  
A



**CIR SOIL RESPONSE**

- **Low**
- **Medium**
- **High**
- **Very High**

**Notes:**

The CIR plot indicates the relative soil response to the dynamic loads imposed by the impact drums. The plot is derived from the recorded deceleration of the impact drums and the GPS locations of each impact point. High response values are typically a function of the sub-grade stiffness to a depth of the strain induced by the impact drums. The low and medium response values can be influenced by near surface soil conditions and do not necessarily indicate weaker sub-grade stiffness to a comparative depth. The low and medium response areas should be further investigated by a geotechnical engineer to confirm the suitability of the sub-grade.



PO BOX 132, Seven Hills, NSW 1730  
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Drawn: SD      Date: 08/11/2015  
Ckd: SD        Date: 10/11/2015

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Project:  
**PRESTONS SOUTH**

Drawing Title  
**FINAL CIR (Soil Response) Plot**

Drg. No: Prestons-029

REV-  
A

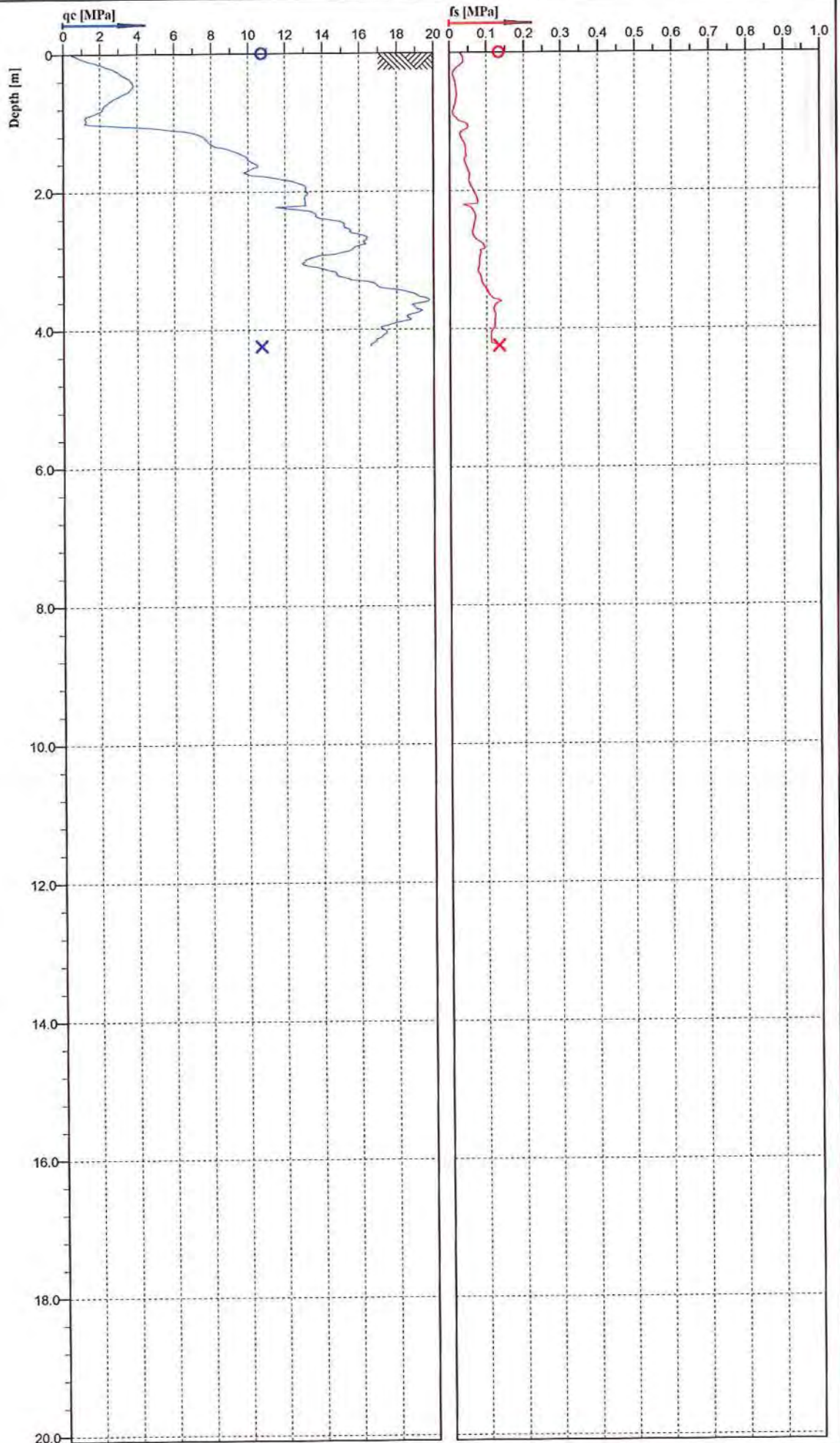
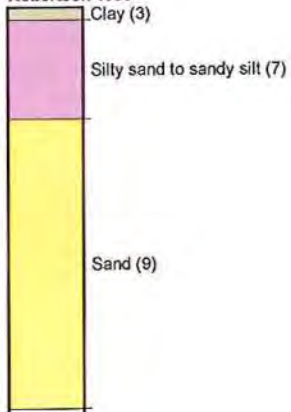




# Appendix C

## Pre-Compaction CPT Logs

Classification by  
Robertson 1986



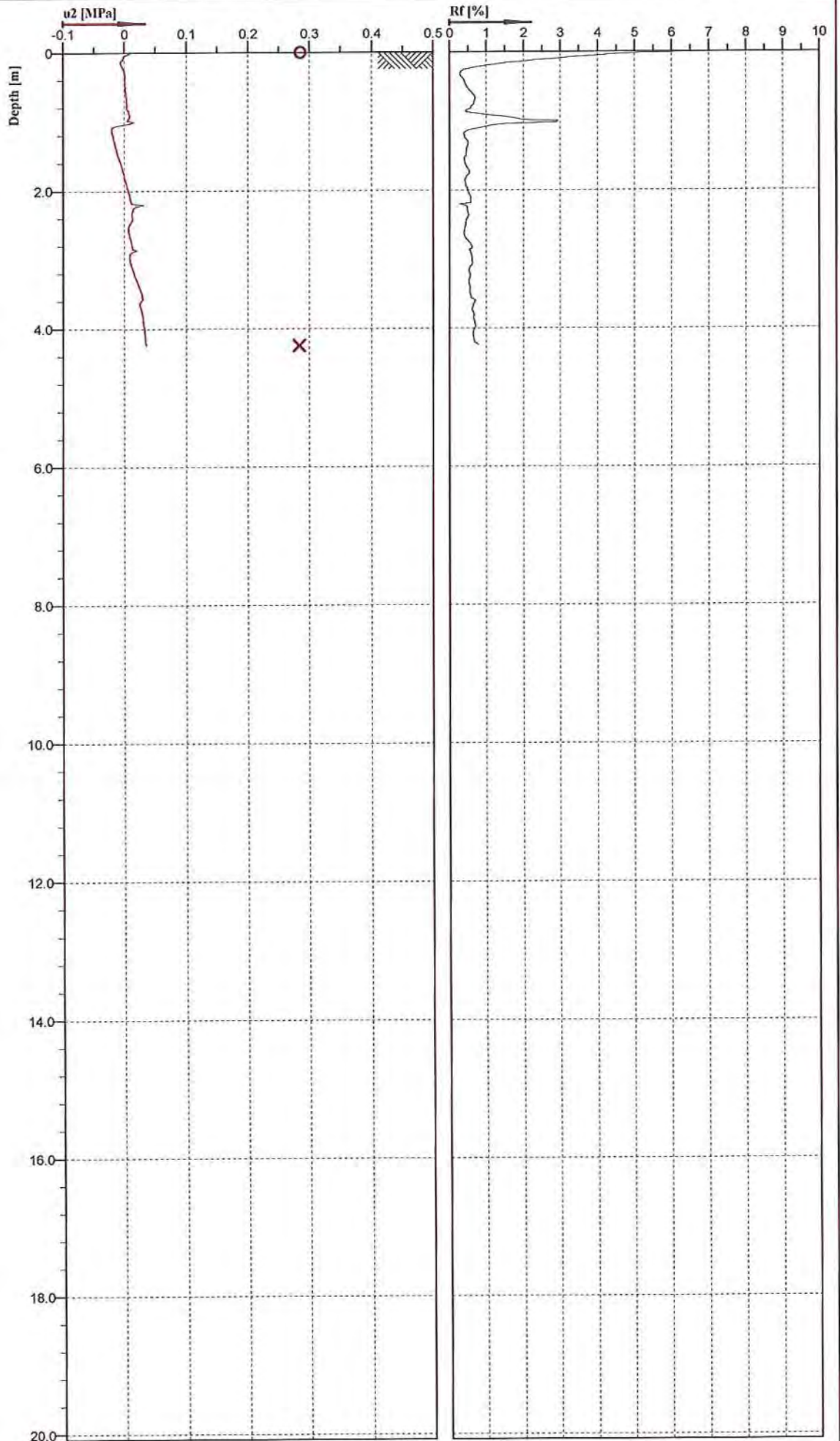
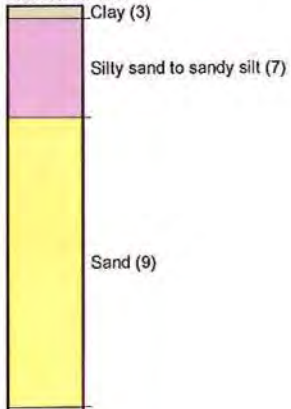
**PRO-DRILL**  
SPECIALIST DRILLING ENGINEERS

Cone No: 4494  
Tip area [cm<sup>2</sup>]: 10  
Sleeve area [cm<sup>2</sup>]: 150



Location:	CHCH	Position:	X: 0.00 m, Y: 0.00 m	Ground level:	0.00	Test no:	511
Project ID:		Client:	Aurecon	Date:	27/08/2013	Scale:	1 : 80
Project:	PRESTONS SOUTH			Page:	1/1	Fig:	
				File:	PrestonsSubdivisionPhase1CPT511.c		

Classification by  
Robertson 1986



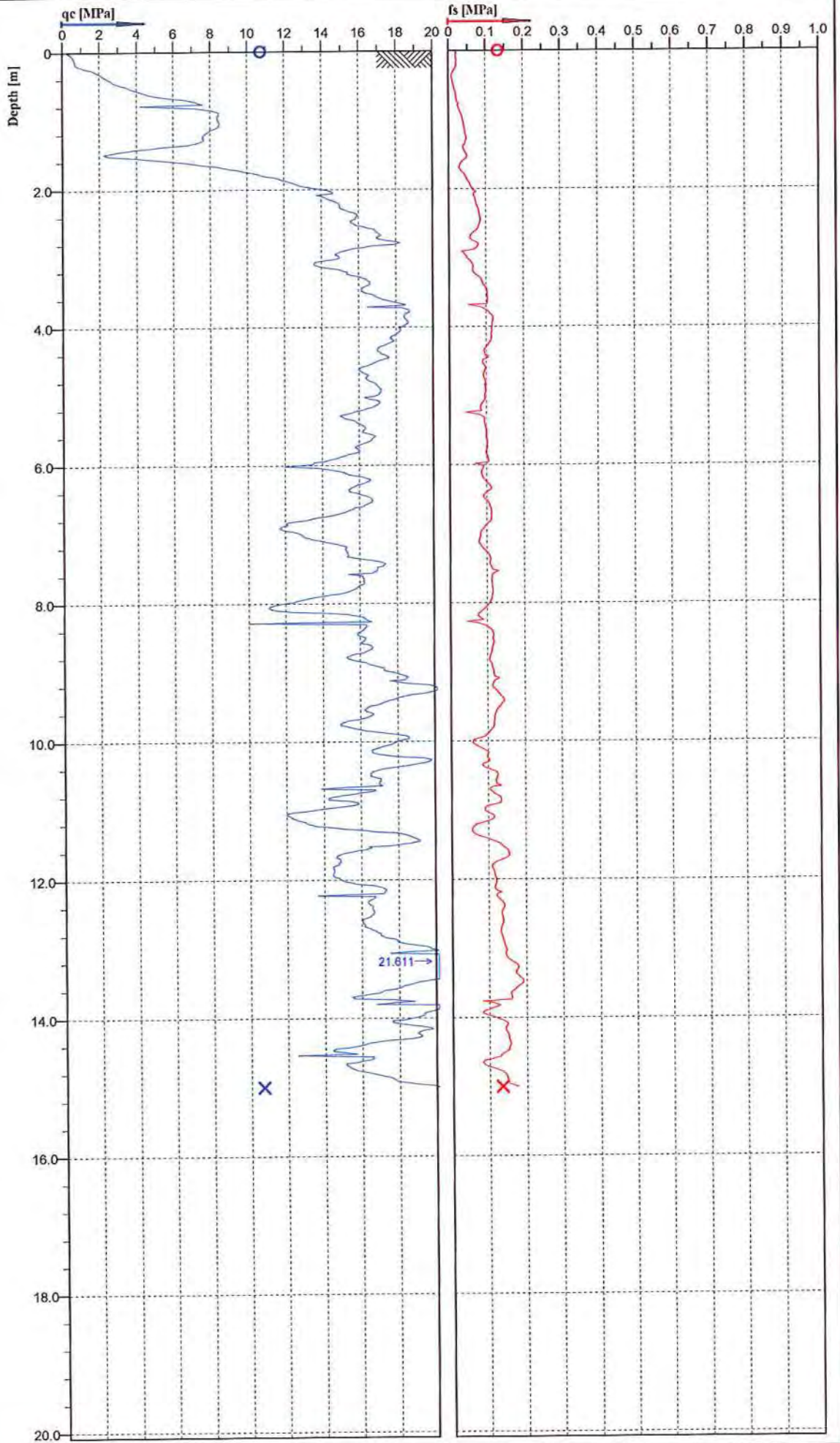
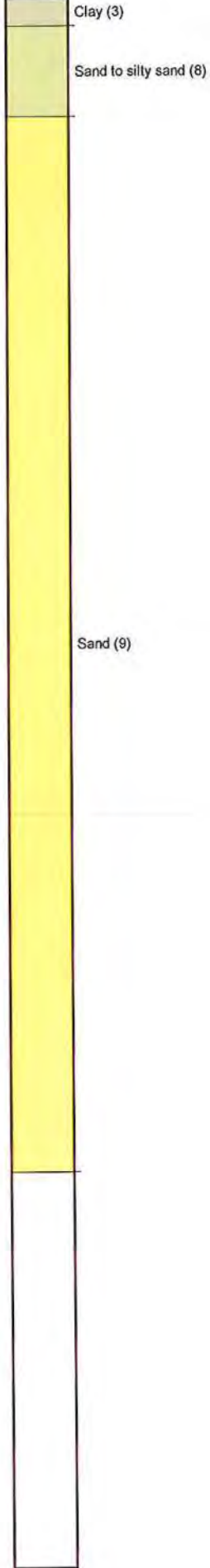
**PRO-DRILL**  
SPECIALIST DRILLING ENGINEERS

Cone No: 4494  
Tip area [cm<sup>2</sup>]: 10  
Sleeve area [cm<sup>2</sup>]: 150

Location:	CHCH	Position:	X: 0.00 m, Y: 0.00 m	Ground level:	0.00	Test no:	511
Project ID:		Client:	Aurecon	Date:	27/08/2013	Scale:	1 : 80
Project:	PRESTONS SOUTH			Page:	1/1	Fig:	
				File:	PrestonsSubdivisionPhase1CPT511.c		



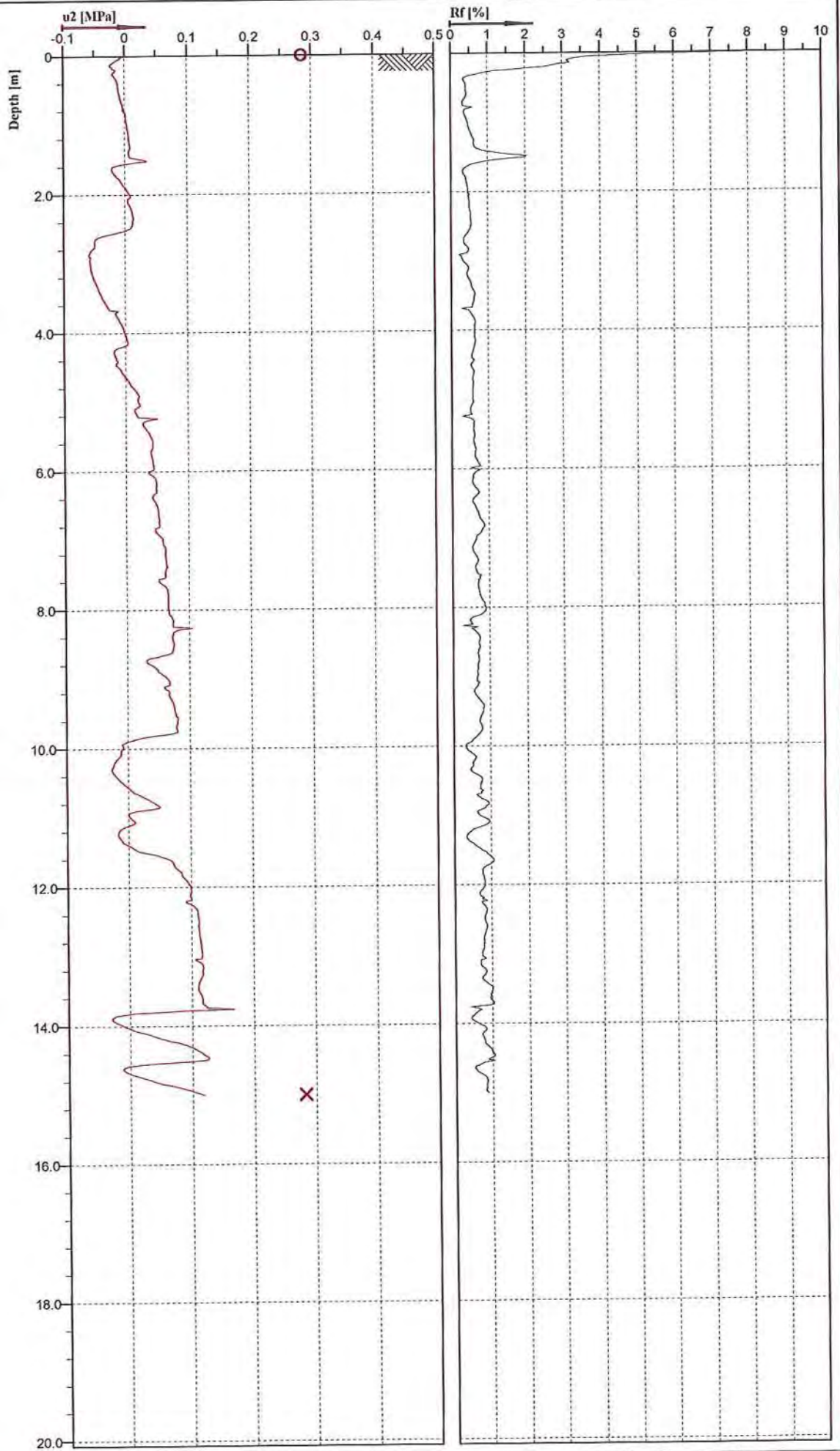
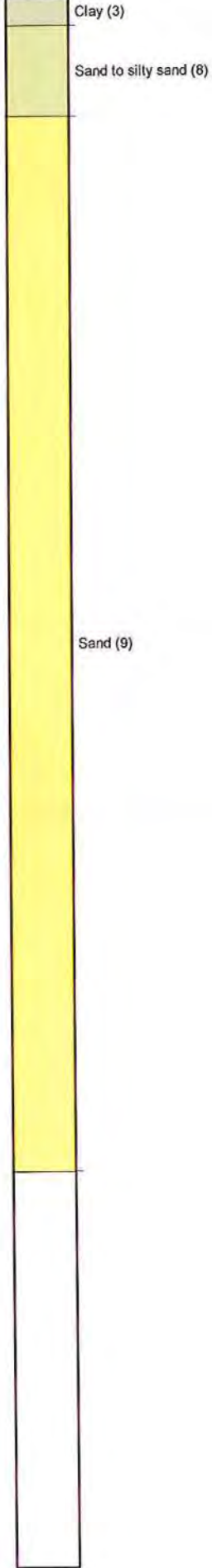
Classification by  
Robertson 1986



Cone No: 4494  
Tip area [cm<sup>2</sup>]: 10  
Sleeve area [cm<sup>2</sup>]: 150

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Project ID:	Client: Aurecon	Date: 27/08/2013	Scale: 1 : 80
Project: PRESTONS SOUTH		Page: 1/1	Fig:
		File: PrestonsSubdivisionPhase1CPT513.c	

Classification by  
Robertson 1986



X

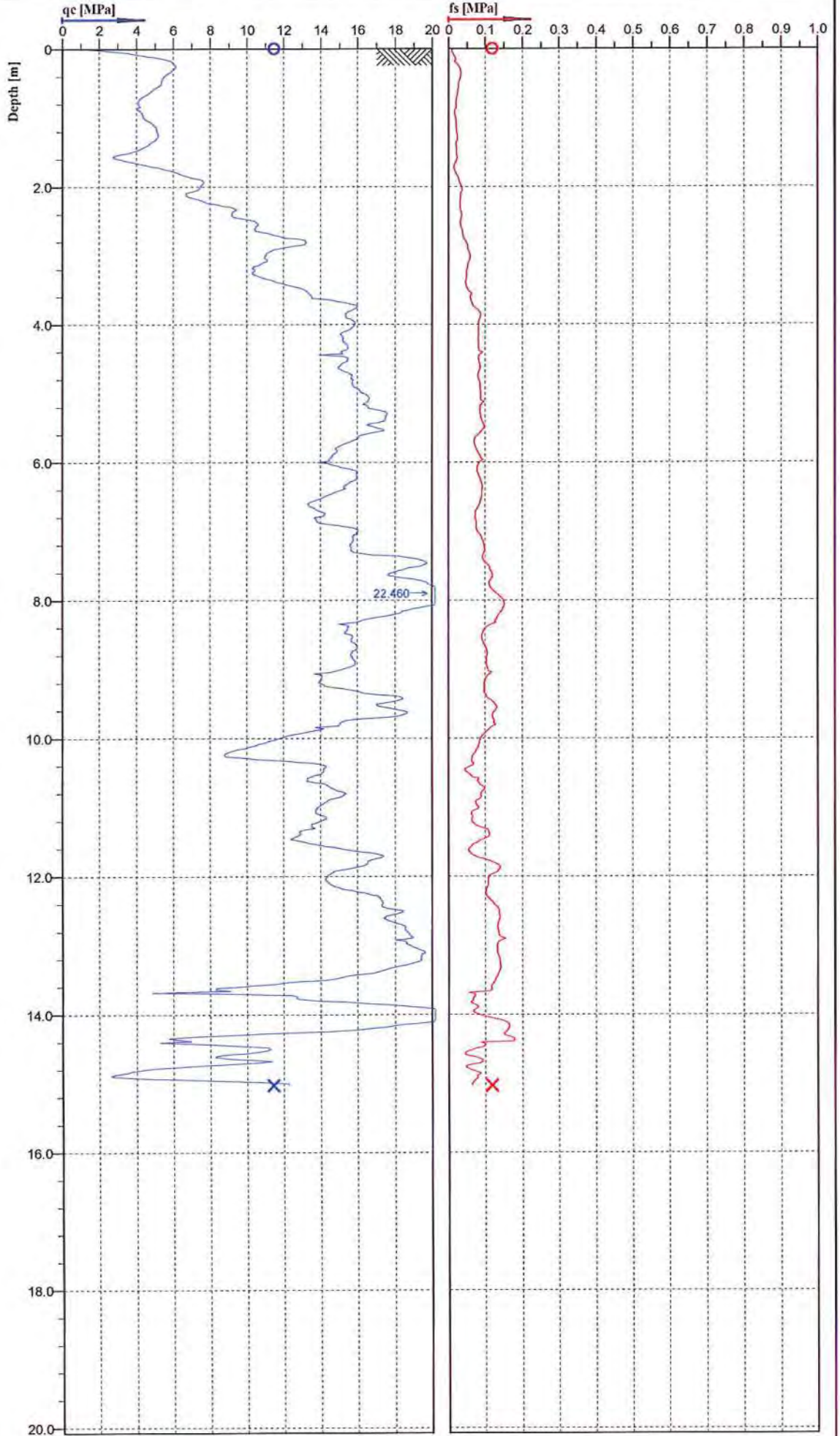
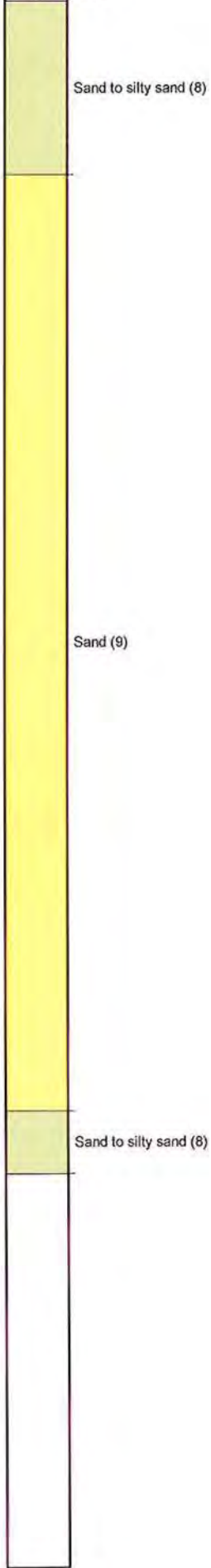
**PRO-DRILL**  
SPECIALIST DRILLING ENGINEERS

Cone No: 4494  
Tip area [cm<sup>2</sup>]: 10  
Sleeve area [cm<sup>2</sup>]: 150



Location: CHCH	Position: X: 0.00 m, Y: 0.00 m	Ground level: 0.00	Test no: 513
Project ID:	Client: Aurecon	Date: 27/08/2013	Scale: 1 : 80
Project: PRESTONS SOUTH		Page: 1/1	Fig:
		File: PrestonsSubdivisionPhase1CPT513.c	

Classification by  
Robertson 1986



Cone No: 4486  
Tip area [cm<sup>2</sup>]: 10  
Sleeve area [cm<sup>2</sup>]: 150

Location:	CHCH	Position:	X: 0.00 m, Y: 0.00 m	Ground level:	0.00	Test no:	514
Project ID:		Client:	Aurecon	Date:	28/08/2013	Scale:	1 : 80
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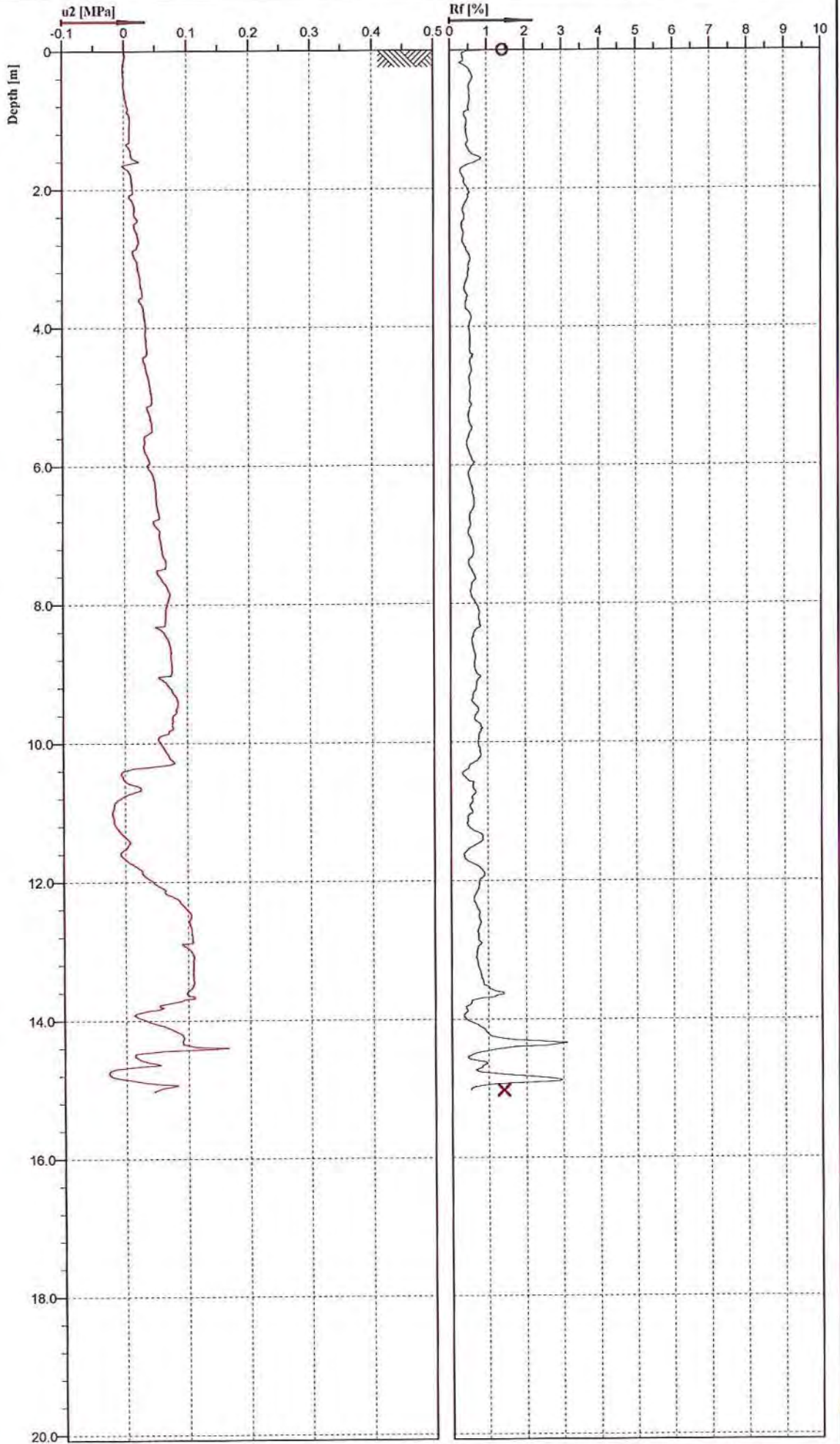
Classification by  
Robertson 1986



Sand to silty sand (8)

Sand (9)

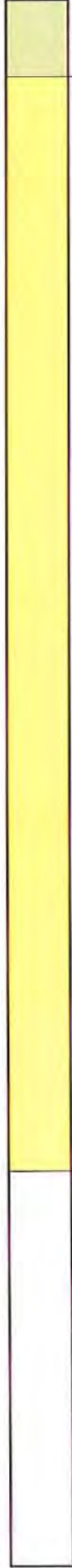
Sand to silty sand (8)



Cone No: 4486  
Tip area [cm<sup>2</sup>]: 10  
Sleeve area [cm<sup>2</sup>]: 150

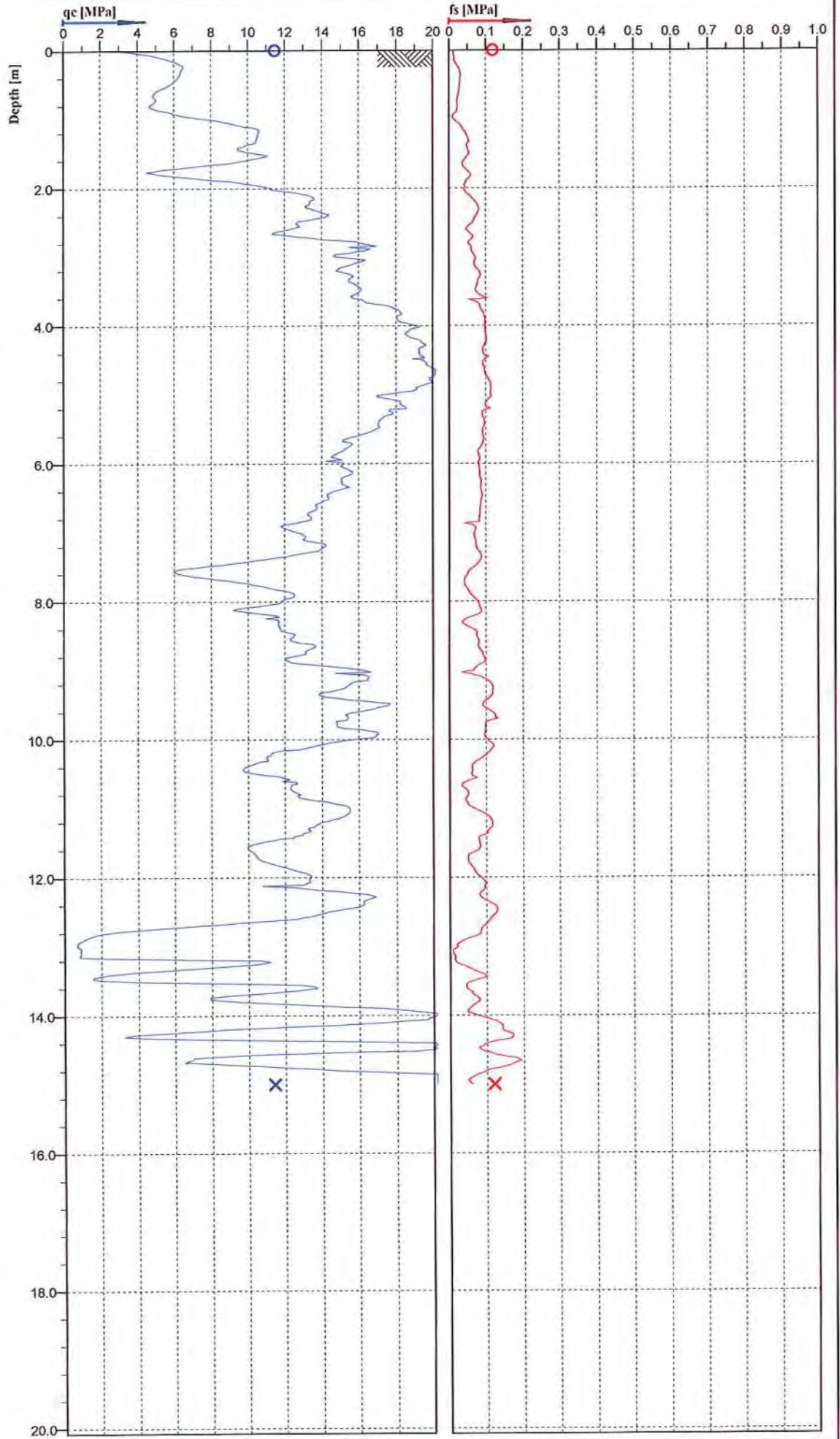
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Project: PRESTONS SOUTH PHASE 2		Page: 1/1	Fig:
		File: PrestonsSubdivisionPhase2CPT514.c	

Classification by  
Robertson 1986



Sand to silty sand (8)

Sand (9)



**PRO-DRILL**  
SPECIALIST DRILLING ENGINEERS



Cone No: 4486  
Tip area [cm<sup>2</sup>]: 10  
Sleeve area [cm<sup>2</sup>]: 150

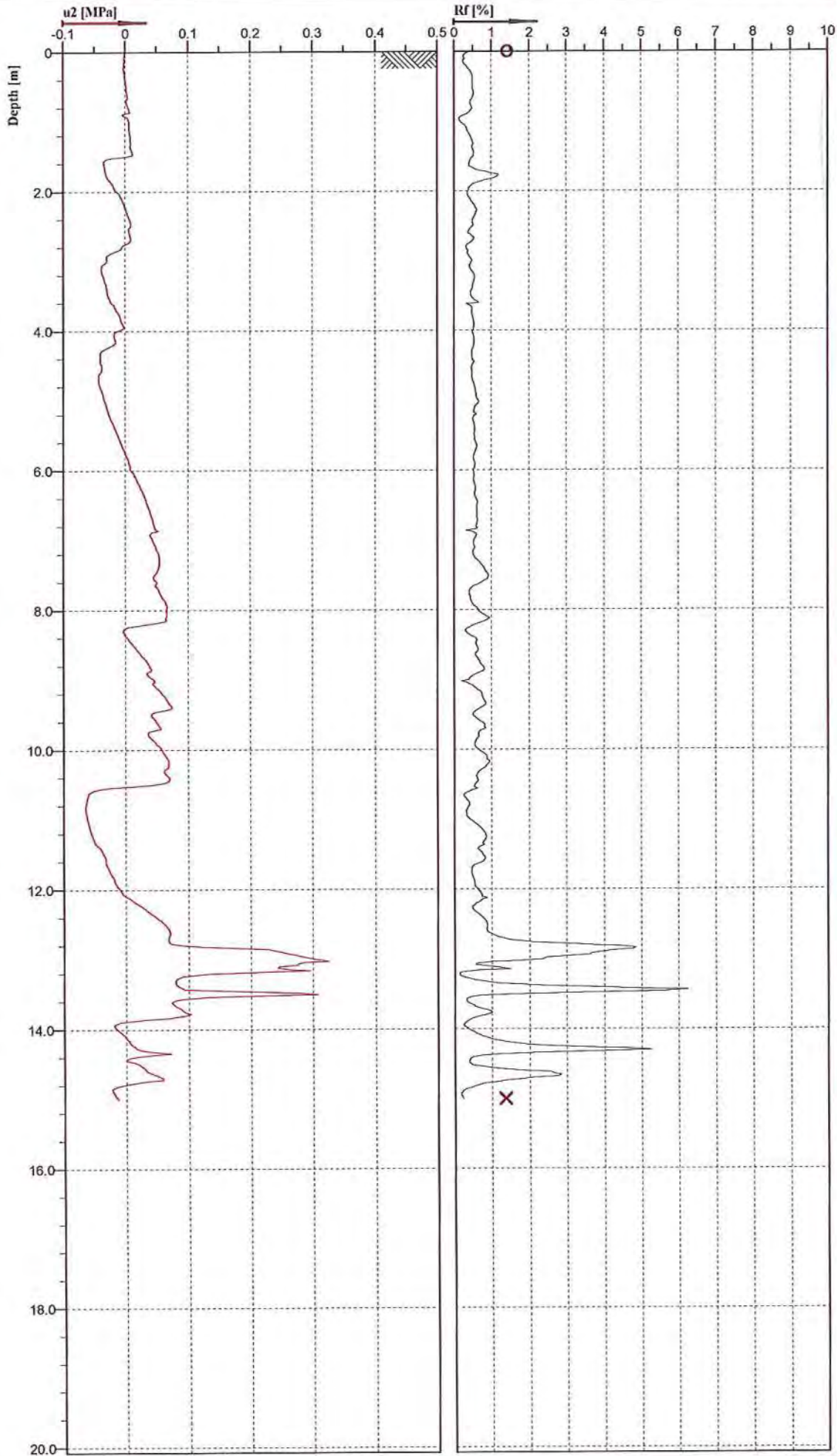
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Project ID:		Client:	Aurecon	Date:	28/08/2013	Scale:	1 : 80
Project:	PRESTONS SOUTH PHASE 2			Page:	1/1	Fig:	
				File:	PrestonsSubdivisionPhase2CPT515.c		

Classification by  
Robertson 1986



Sand to silty sand (8)

Sand (9)



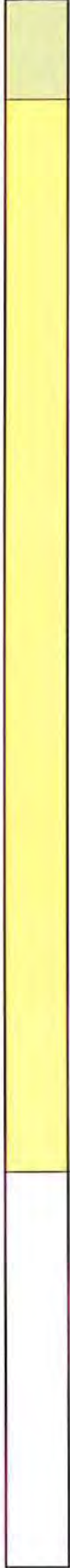
**PRO-DRILL**  
SPECIALIST DRILLING ENGINEERS



Cone No: 4486  
Tip area [cm<sup>2</sup>]: 10  
Sleeve area [cm<sup>2</sup>]: 150

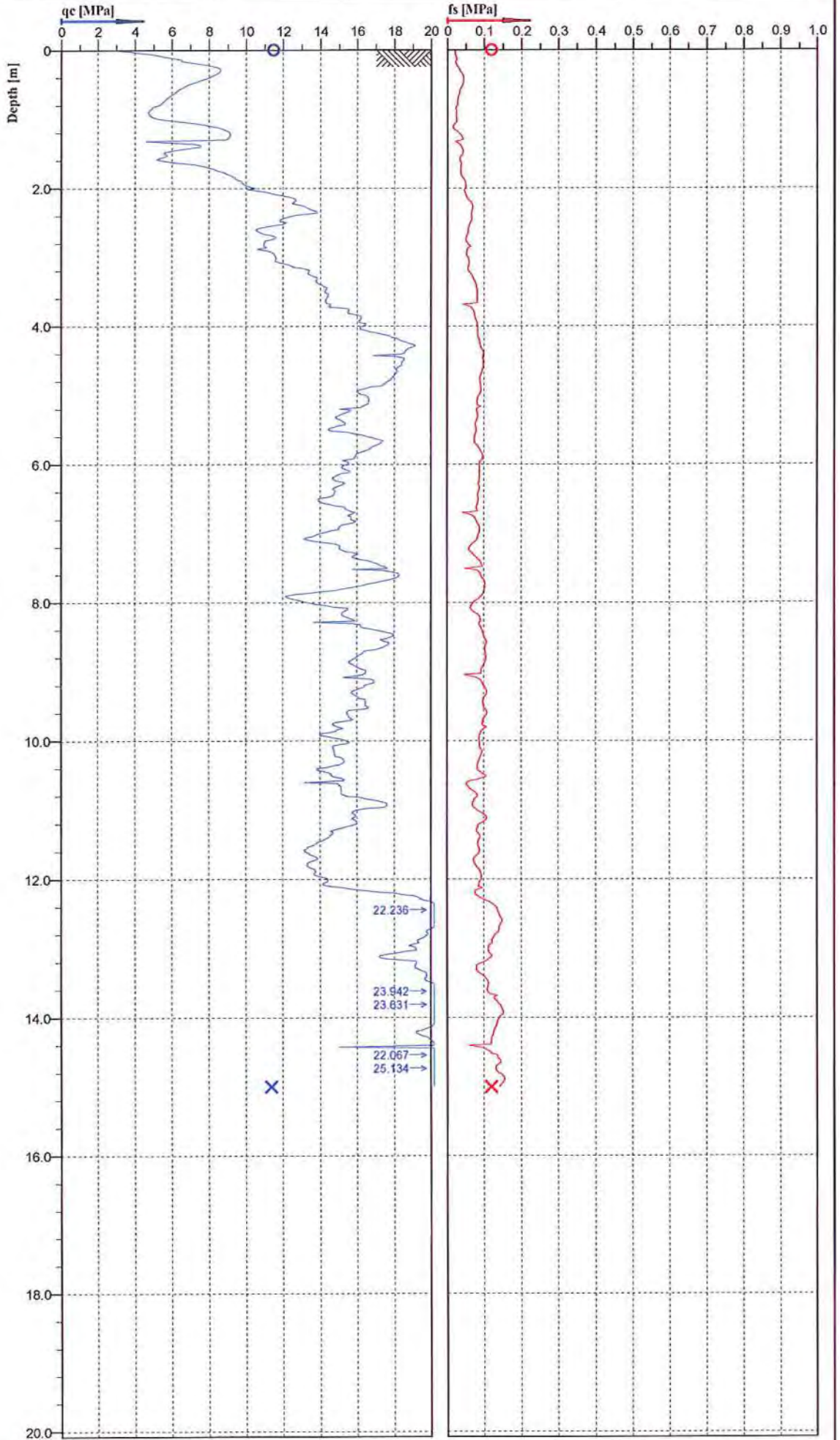
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Project ID:		Client:	Aurecon	Date:	28/08/2013	Scale:	1 : 80
Project:	PRESTONS SOUTH PHASE 2			Page:	1/1	Fig:	
				File:	PrestonsSubdivisionPhase2CPT515.c		

Classification by  
Robertson 1986



Sand to silty sand (8)

Sand (9)



**PRO-DRILL**  
SPECIALIST DRILLING ENGINEERS

Cone No: 4486  
Tip area [cm<sup>2</sup>]: 10  
Steeve area [cm<sup>2</sup>]: 150

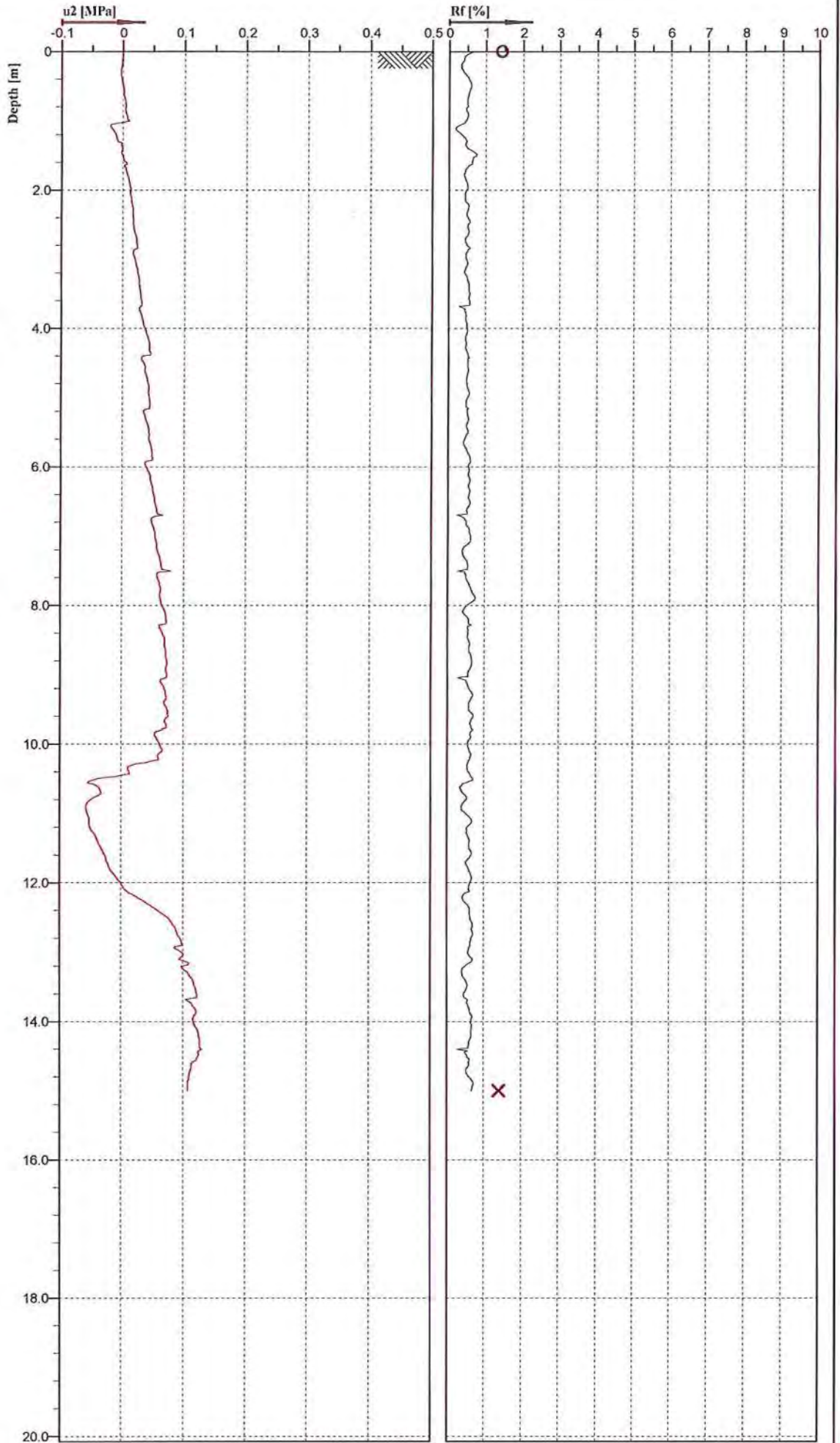
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Project:	PRESTONS SOUTH PHASE 2			Page:	1/1	Fig:	
				File:	PrestonsSubdivisionPhase2CPT516.c		

Classification by  
Robertson 1986



Sand to silty sand (8)

Sand (9)



**PRO-DRILL**  
SPECIALIST DRILLING ENGINEERS

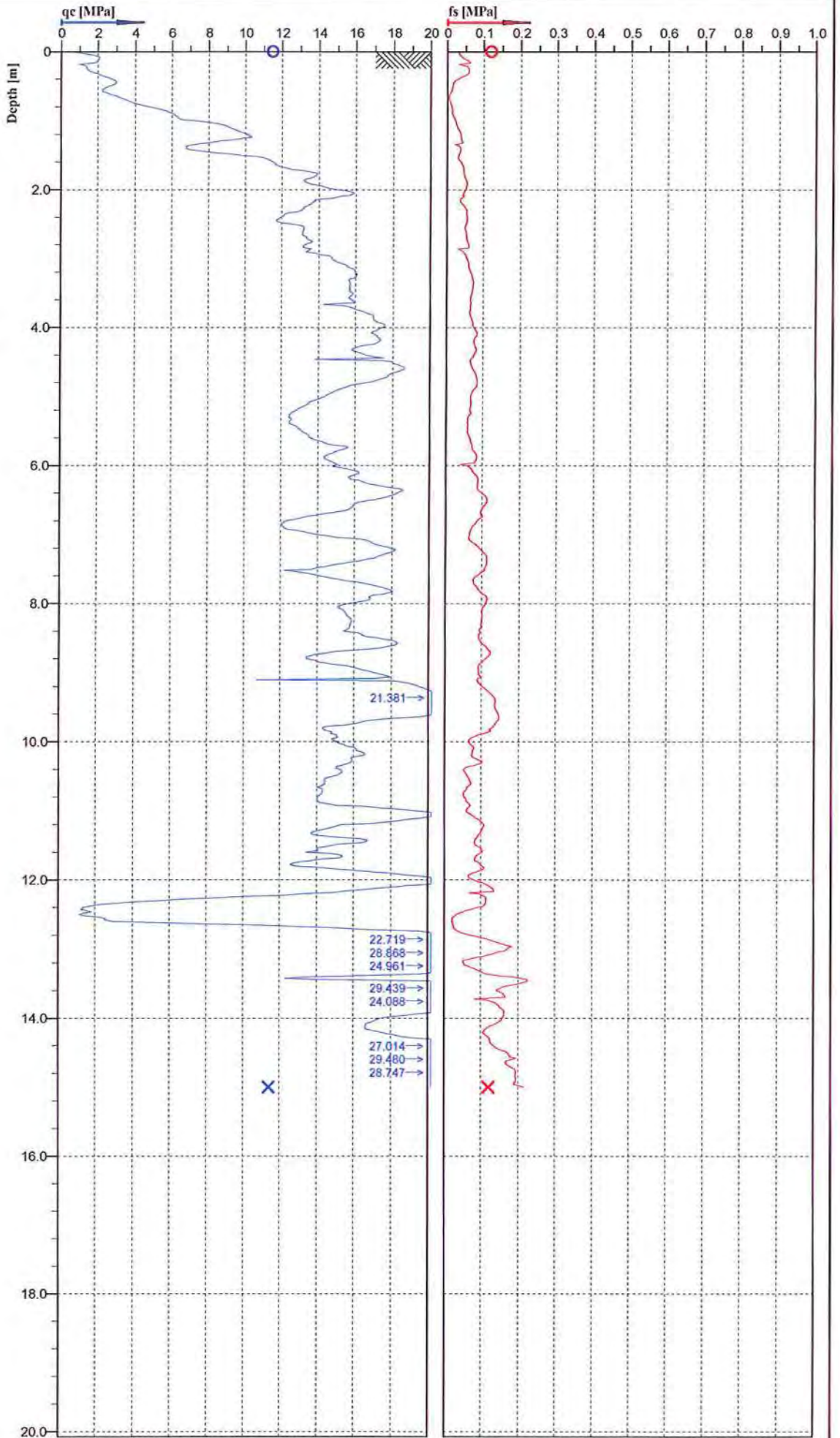
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Sleeve area [cm<sup>2</sup>]: 150



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Project ID:		Client:	Aurecon	Date:	28/08/2013	Scale:	1 : 80
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Classification by  
Robertson 1986



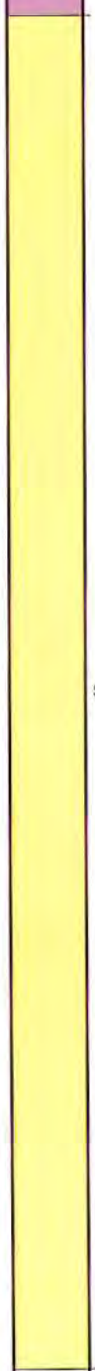
**PRO-DRILL**  
SPECIALIST DRILLING ENGINEERS

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Sleeve area [cm<sup>2</sup>]: 150

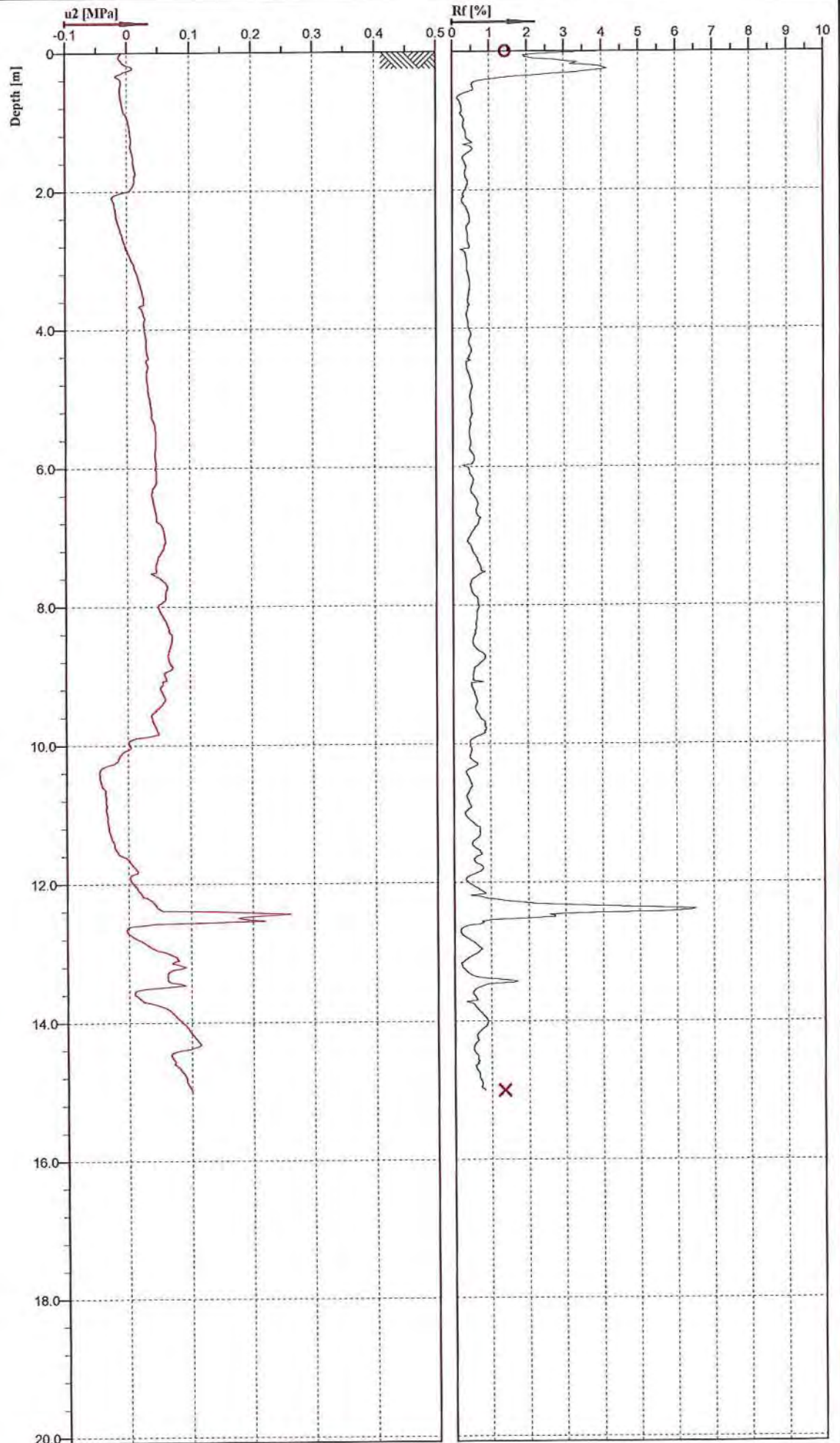
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Project ID:		Client:	Aurecon	Date:	28/08/2013	Scale:	1 : 80
Project:	PRESTONS SOUTH PHASE 2			Page:	1/1	Fig:	
				File:	PrestonsSubdivisionPhase2CPT520.c		

Classification by  
Robertson 1986

Sandy silt to clayey silt (6)



Sand (9)



**PRO-DRILL**  
SPECIALIST DRILLING ENGINEERS

Cone No: 4488  
Tip area [cm2]: 10  
Sleeve area [cm2]: 150



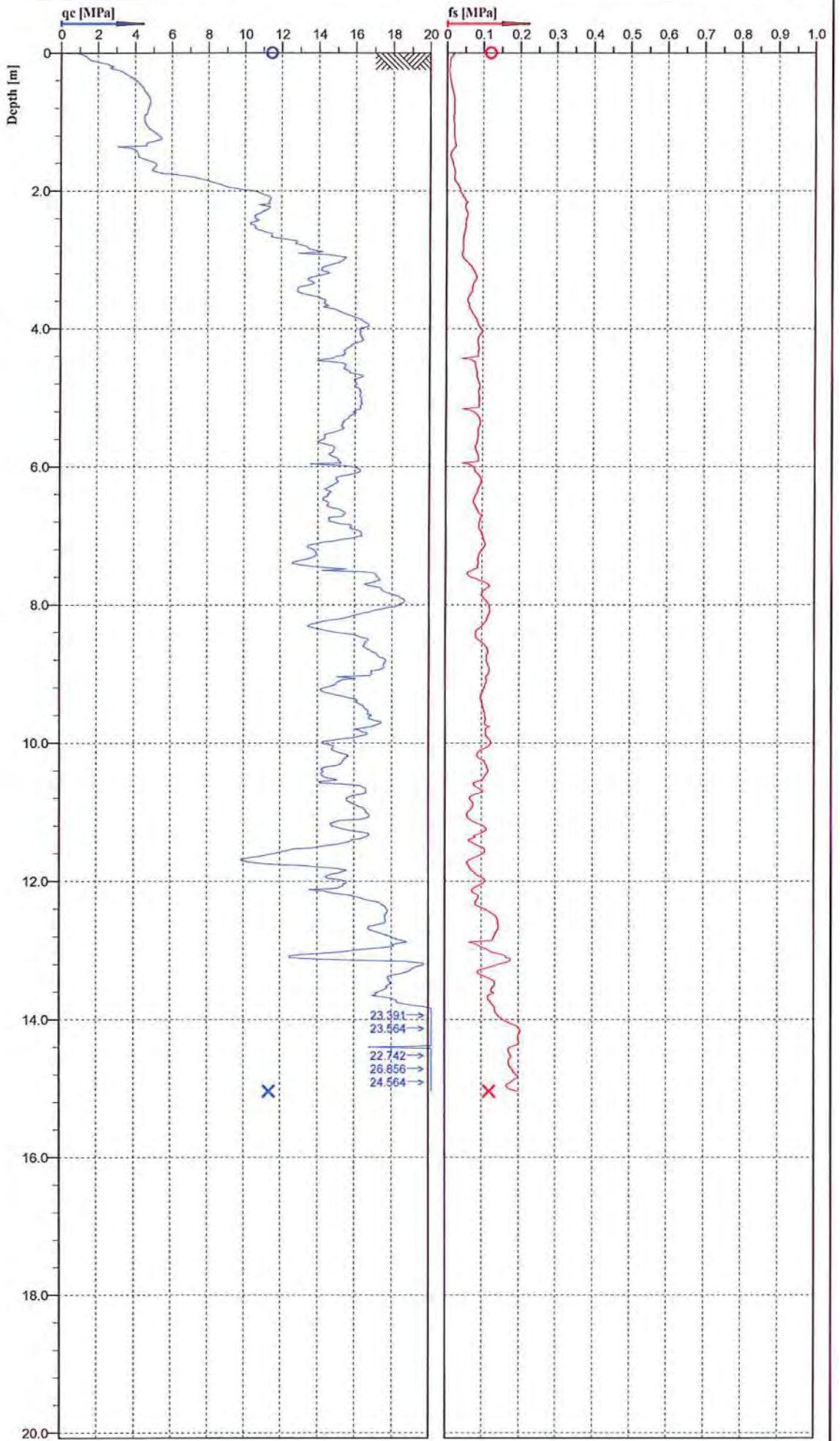
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Project:	PRESTONS SOUTH PHASE 2			Page:	1/1	Fig:	
				File:	PrestonsSubdivisionPhase2CPT520.c		

Classification by  
Robertson 1986

Sandy silt to clayey silt (6)

Sand to silty sand (8)

Sand (9)



Cone No: 4486  
Tip area [cm<sup>2</sup>]: 10  
Sleeve area [cm<sup>2</sup>]: 150

**PRO-DRILL**  
SPECIALIST DRILLING ENGINEERS

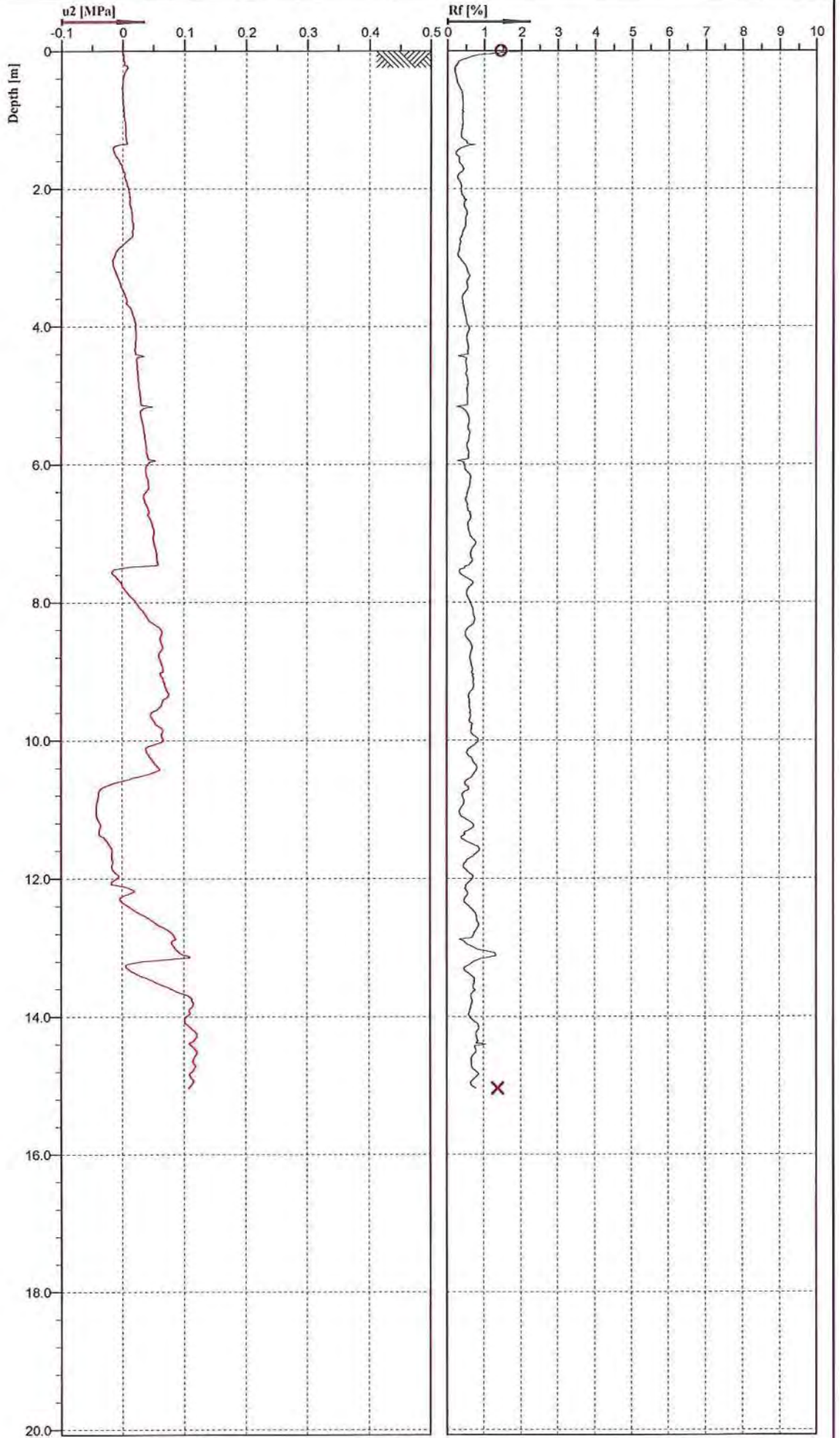
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Project:	PRESTONS SOUTH PHASE 2			Page:	1/1	Fig:	
				File:	PrestonsSubdivisionPhase2CPT522.c		

Classification by  
Robertson 1986

Sandy silt to clayey silt (6)

Sand to silty sand (8)

Sand (9)



**PRO-DRILL**  
SPECIALIST DRILLING ENGINEERS

Cone No: 4486  
Tip area [cm<sup>2</sup>]: 10  
Sleeve area [cm<sup>2</sup>]: 150

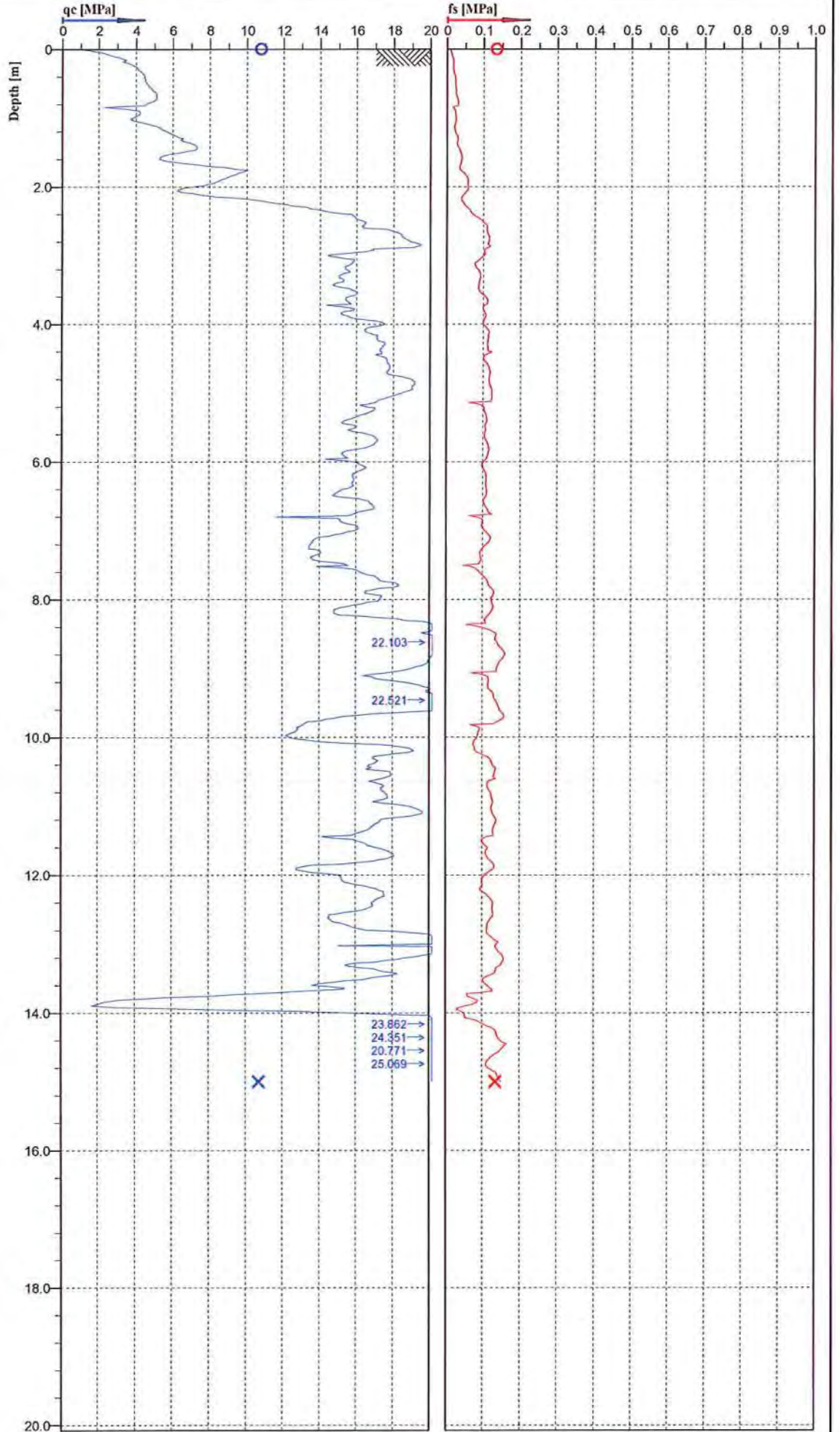
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Project:	PRESTONS SOUTH PHASE 2			Page:	1/1	Fig:	
				File:	PrestonsSubdivisionPhase2CPT522.c		

Classification by  
Robertson 1986

Silty sand to sandy silt (7)

Sand to silty sand (8)

Sand (9)



Cone No: 4494  
Tip area [cm<sup>2</sup>]: 10  
Sleeve area [cm<sup>2</sup>]: 150

**PRO-DRILL**  
SPECIALIST DRILLING ENGINEERS

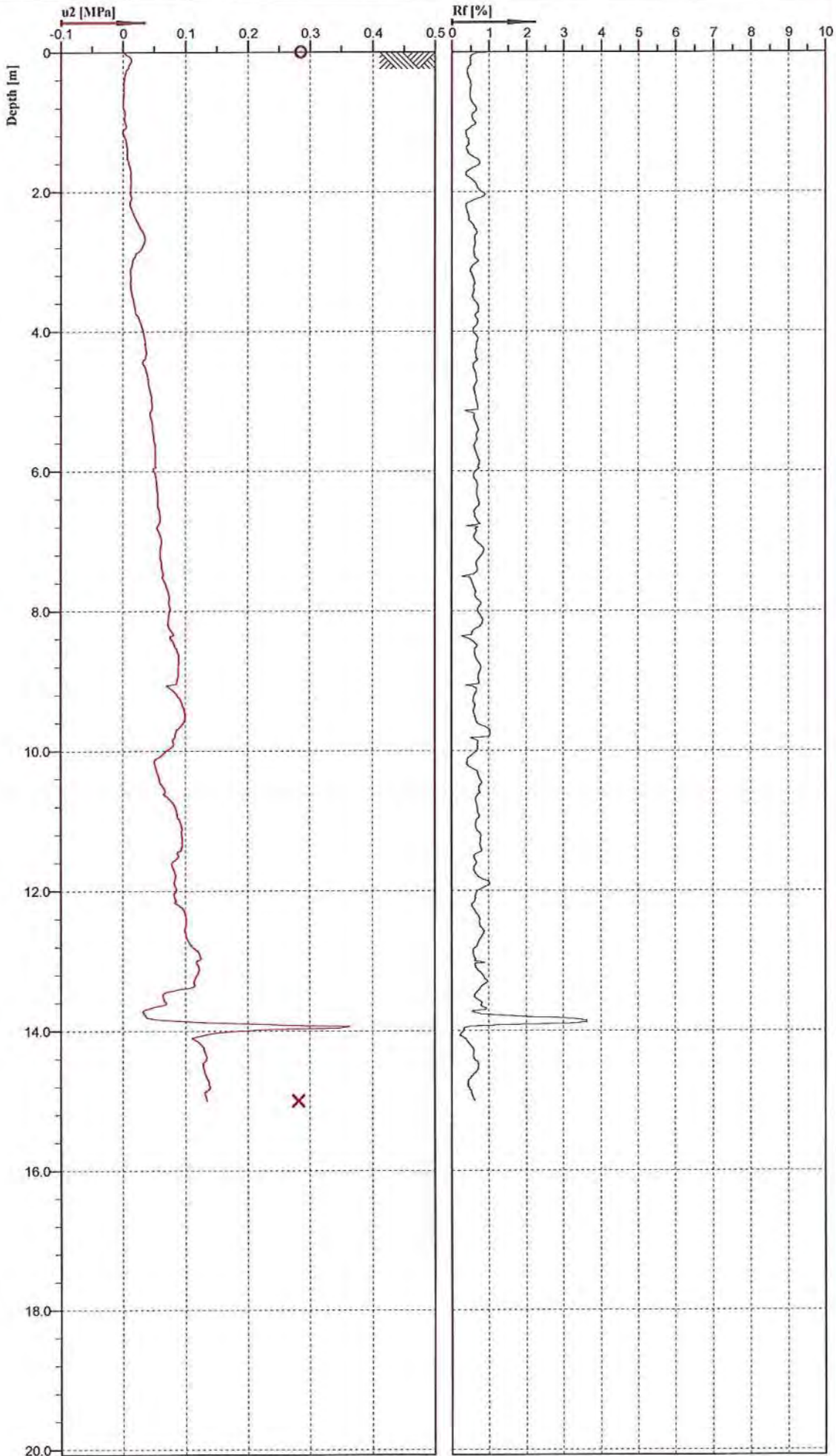
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Project:	PRESTONS SOUTH			Page:	1/1	Fig:	
				File:	PrestonsSubdivisionPhase1CPT535.c		

Classification by  
Robertson 1986

Silty sand to sandy silt (7)

Sand to silty sand (8)

Sand (9)

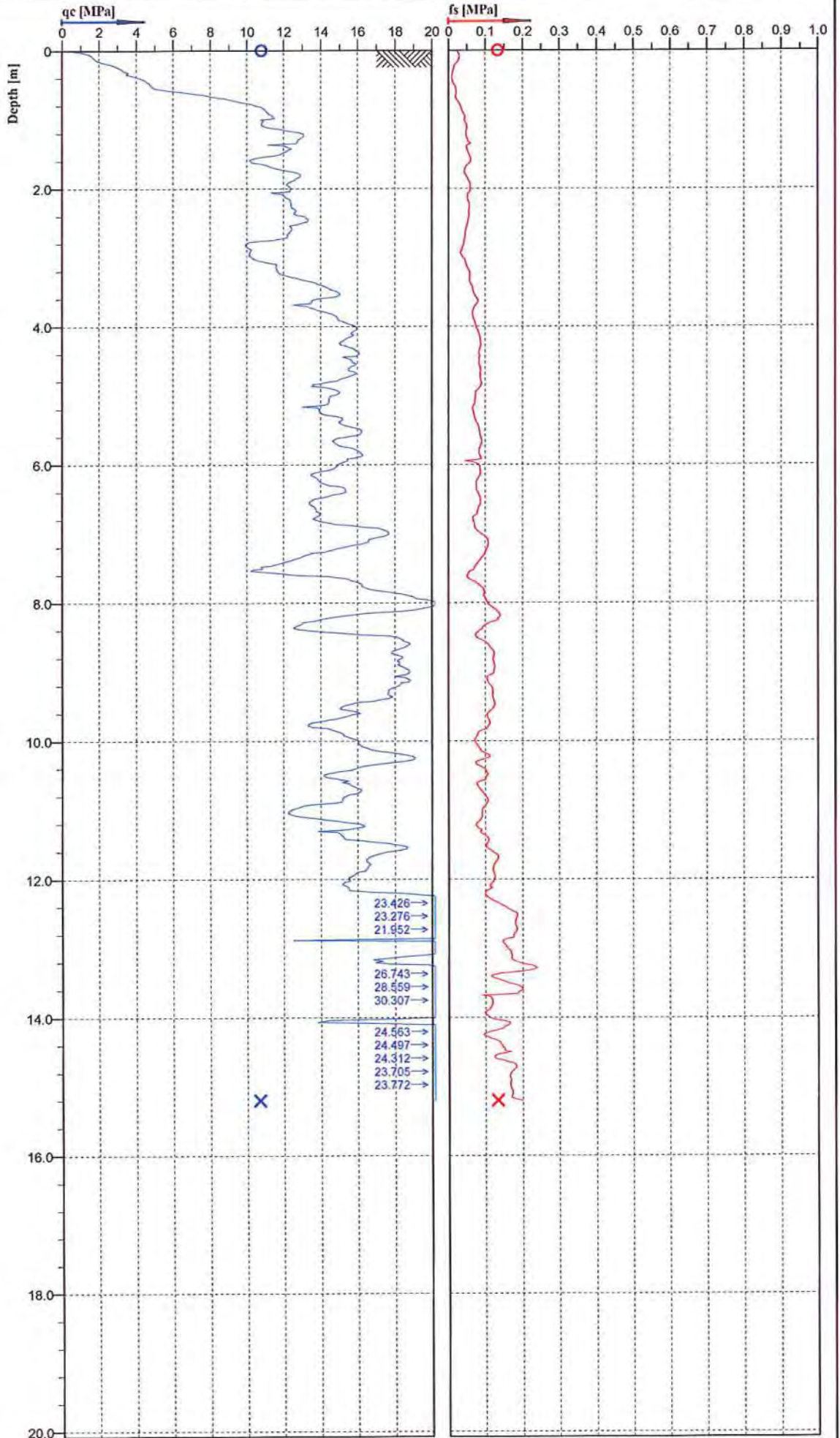
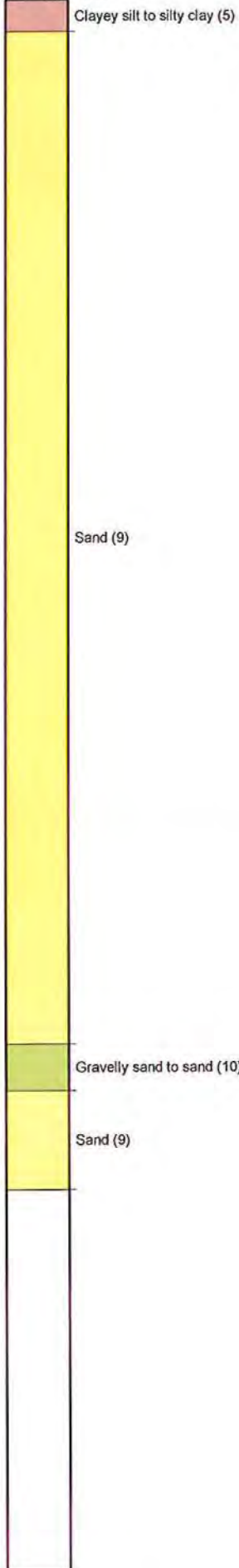


Cone No: 4494  
Tip area [cm<sup>2</sup>]: 10  
Sleeve area [cm<sup>2</sup>]: 150

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Project ID:	Client: Aurecon	Date: 26/08/2013	Scale: 1 : 80
Project: PRESTONS SOUTH		Page: 1/1	Fig:
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**PRO-DRILL**  
SPECIALIST DRILLING ENGINEERS

Classification by  
Robertson 1986



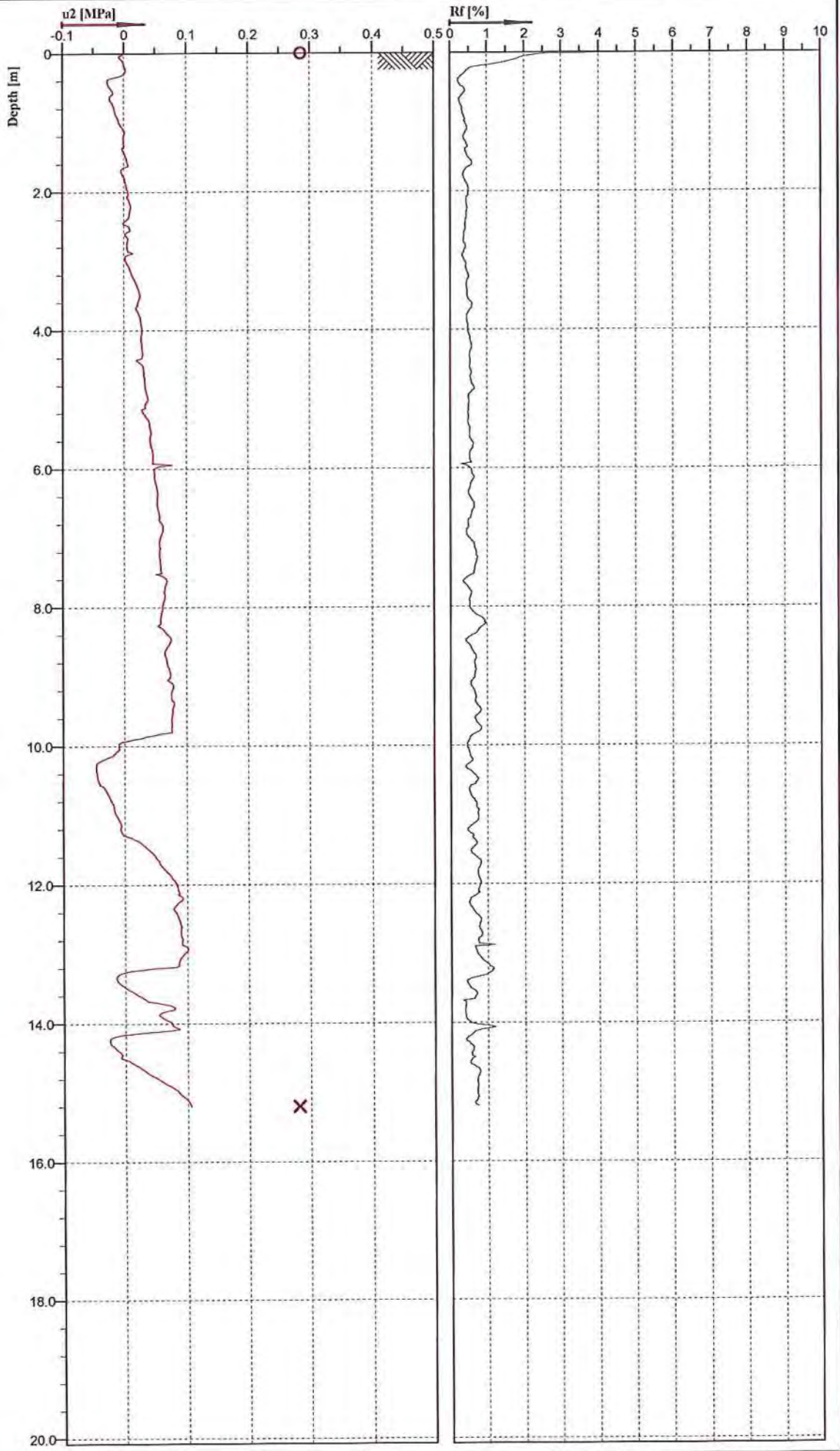
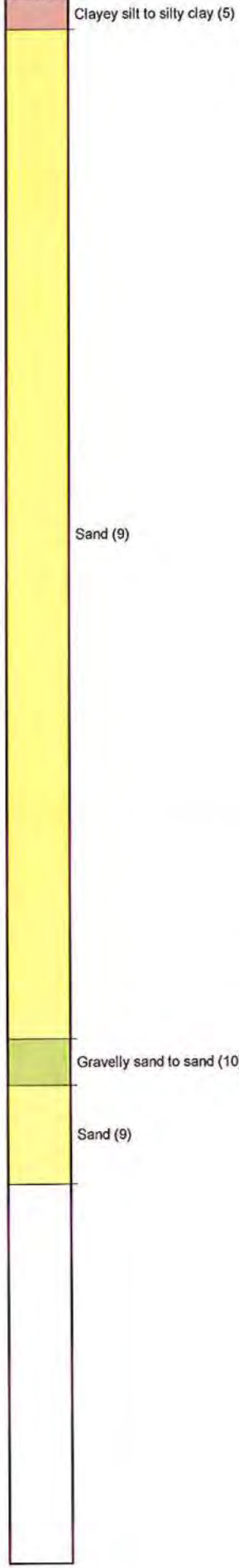
**PRO-DRILL**  
SPECIALIST DRILLING ENGINEERS

Cone No: 4494  
Tip area [cm<sup>2</sup>]: 10  
Sleeve area [cm<sup>2</sup>]: 150



Location:	CHCH	Position:	X: 0.00 m, Y: 0.00 m	Ground level:	0.00	Test no:	537
Project ID:		Client:	Aurecon	Date:	27/08/2013	Scale:	1 : 80
Project:	PRESTONS SOUTH			Page:	1/1	Fig:	
				File:	PrestonsSubdivisionPhase1CPT537.c		

Classification by  
Robertson 1986



X

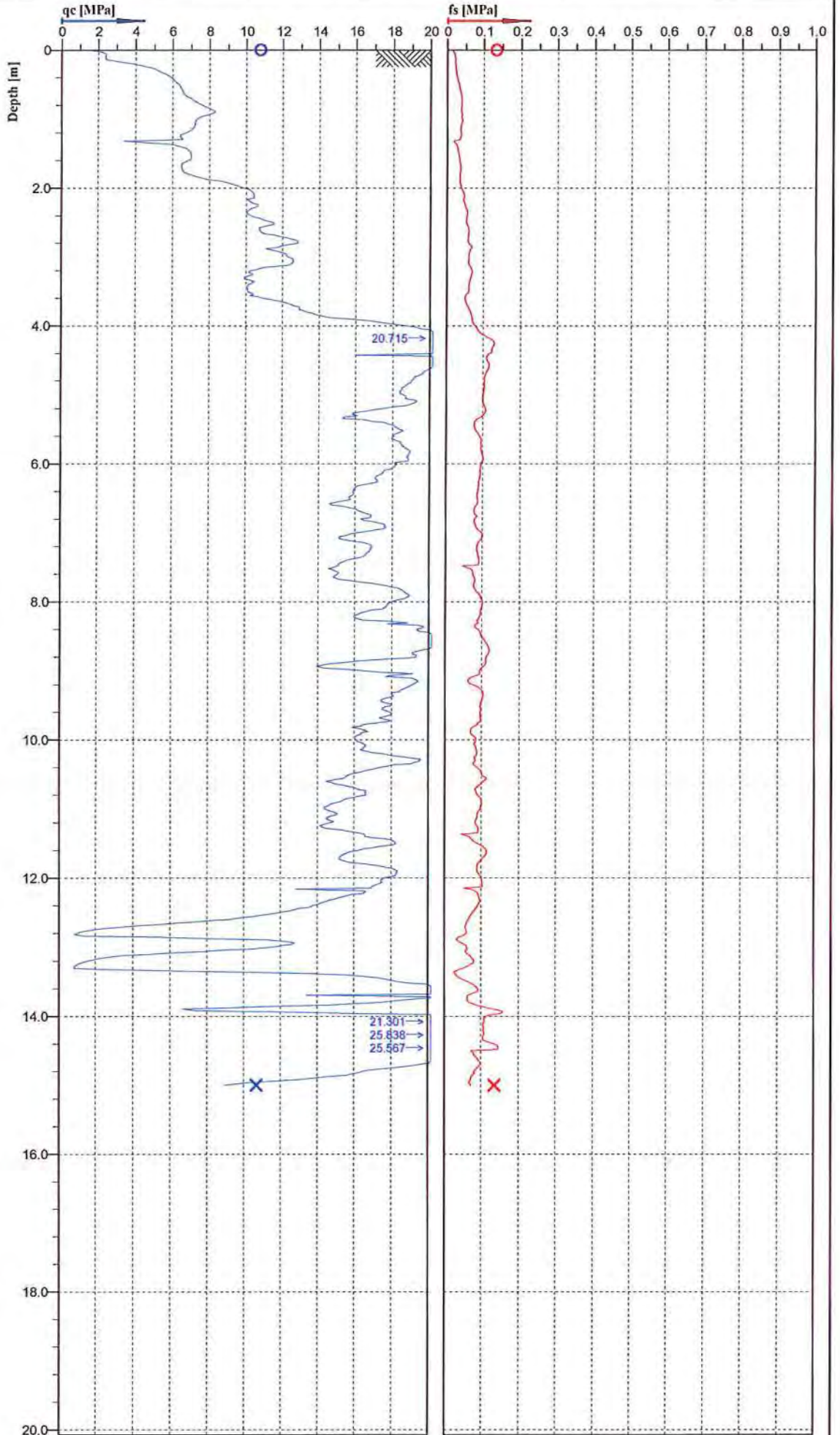
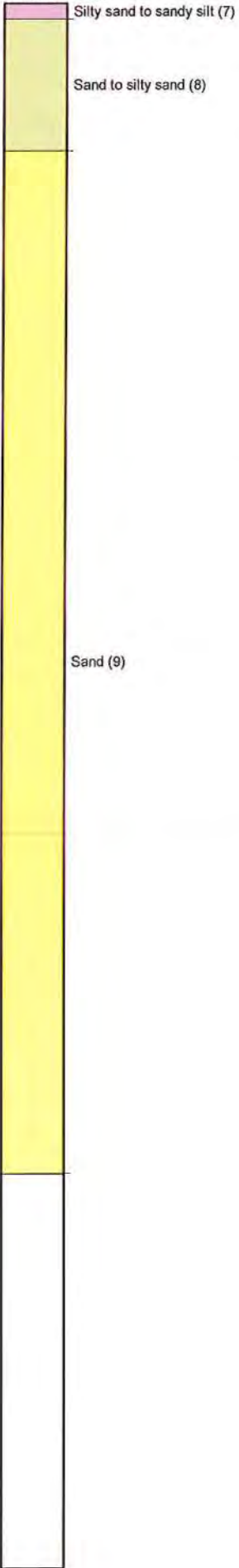


Cone No: 4494  
Tip area [cm<sup>2</sup>]: 10  
Sleeve area [cm<sup>2</sup>]: 150

Location:	CHCH	Position:	X: 0.00 m, Y: 0.00 m	Ground level:	0.00	Test no:	537
Project ID:		Client:	Aurecon	Date:	27/08/2013	Scale:	1 : 80
Project:	PRESTONS SOUTH			Page:	1/1	Fig:	
				File:	PrestonsSubdivisionPhase1CPT537.c		



Classification by  
Robertson 1986



**PRO-DRILL**  
SPECIALIST DRILLING ENGINEERS

Cone No: 4494  
Tip area [cm<sup>2</sup>]: 10  
Sleeve area [cm<sup>2</sup>]: 150

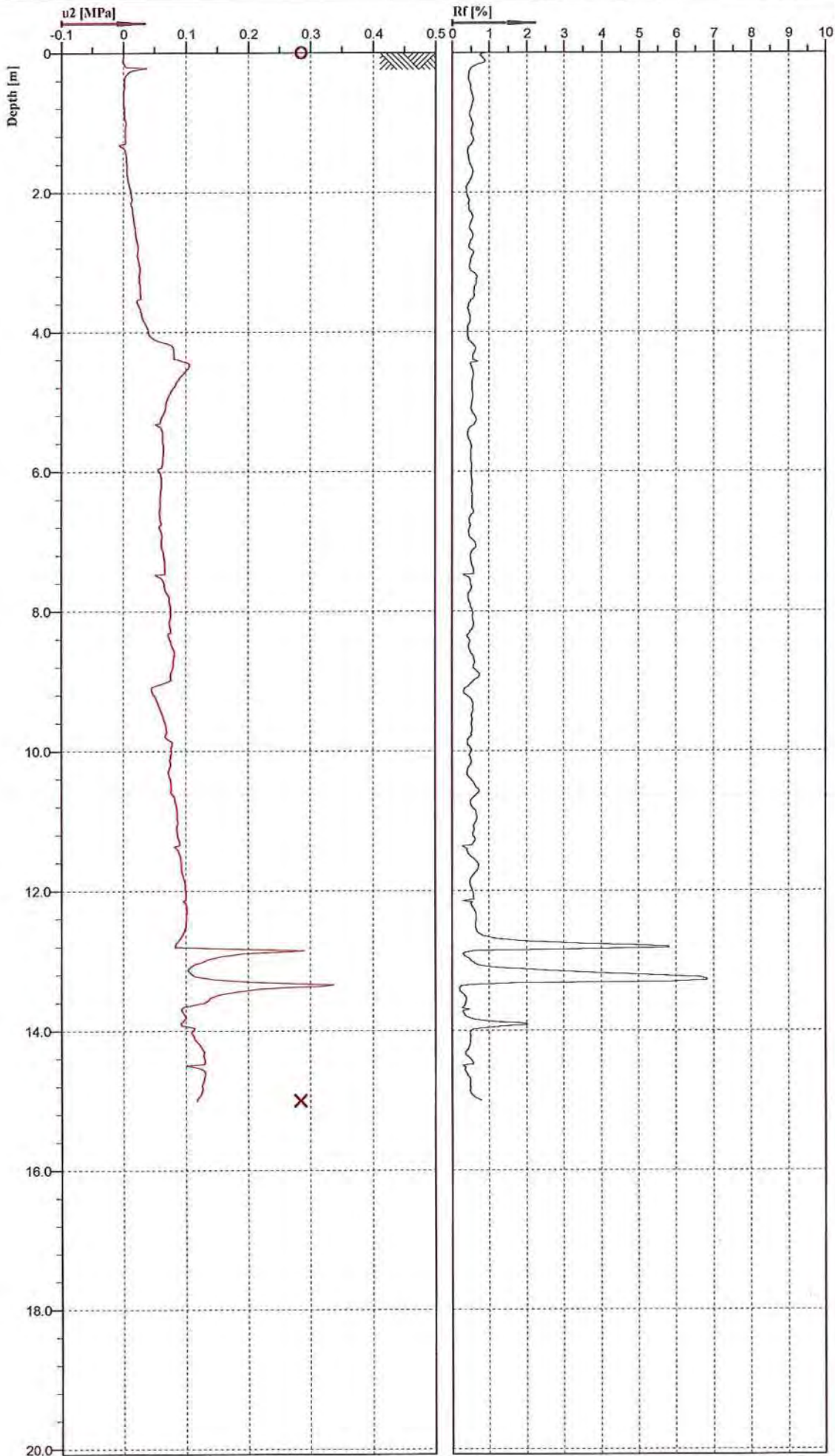
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Project ID:		Client:	Aurecon	Date:	26/08/2013	Scale:	1 : 80
Project:	PRESTONS SOUTH			Page:	1/1	Fig:	
				File:	PrestonsSubdivisionPhase1CPT538.c		

Classification by  
Robertson 1986

Silty sand to sandy silt (7)

Sand to silty sand (8)

Sand (9)



Cone No: 4494  
Tip area [cm<sup>2</sup>]: 10  
Sleeve area [cm<sup>2</sup>]: 150

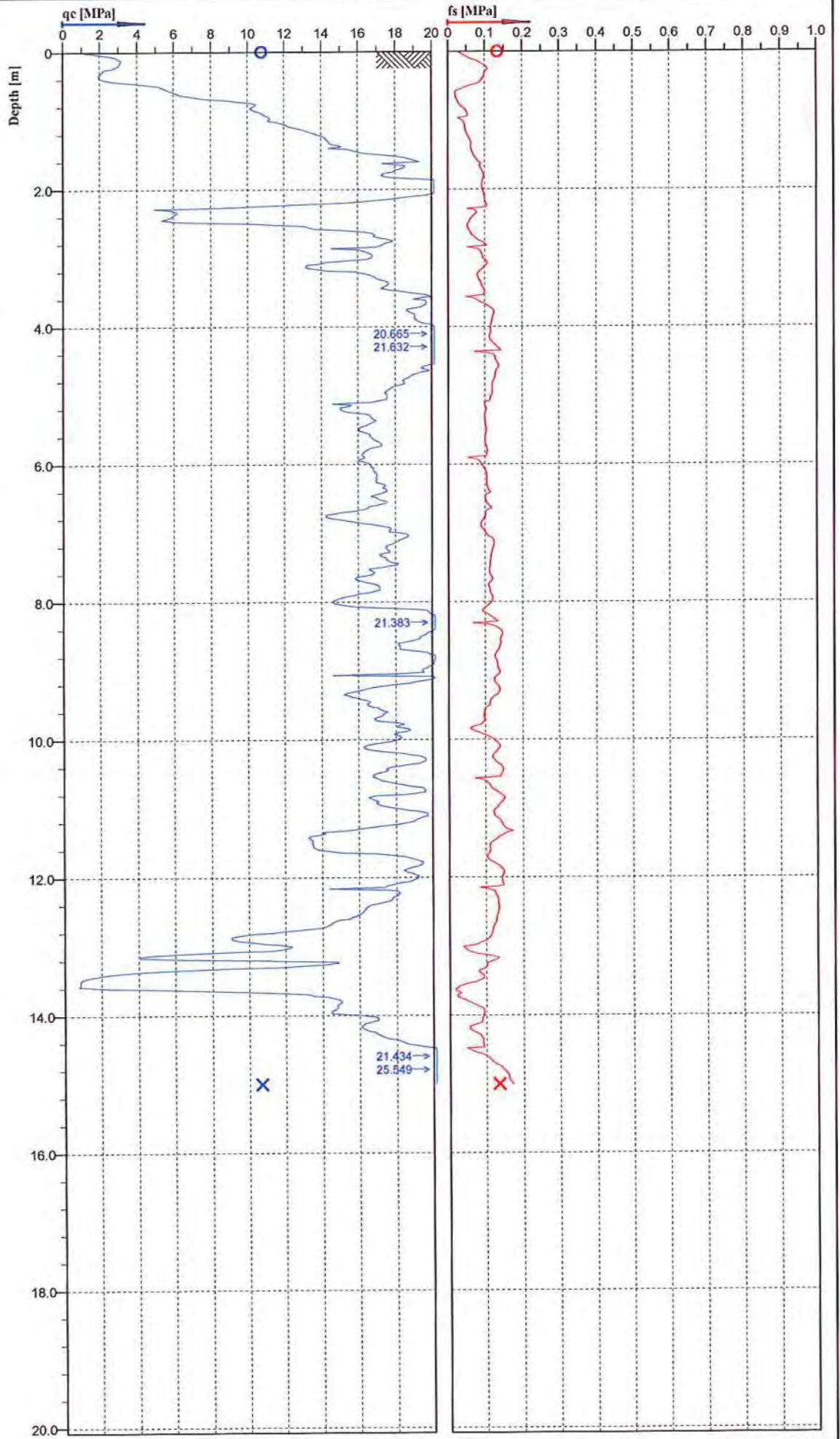
Location:	CHCH	Position:	X: 0.00 m, Y: 0.00 m	Ground level:	0.00	Test no:	538
Project ID:		Client:	Aurecon	Date:	26/08/2013	Scale:	1 : 80
Project:	PRESTONS SOUTH			Page:	1/1	Fig:	
				File:	PrestonsSubdivisionPhase1CPT538.c		

Classification by  
Robertson 1986

Sandy silt to clayey silt (6)



Sand (9)

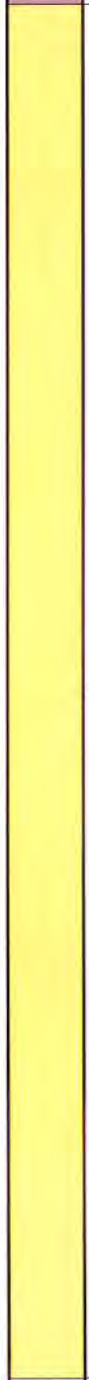


Cone No: 4494  
Tip area [cm<sup>2</sup>]: 10  
Sleeve area [cm<sup>2</sup>]: 150

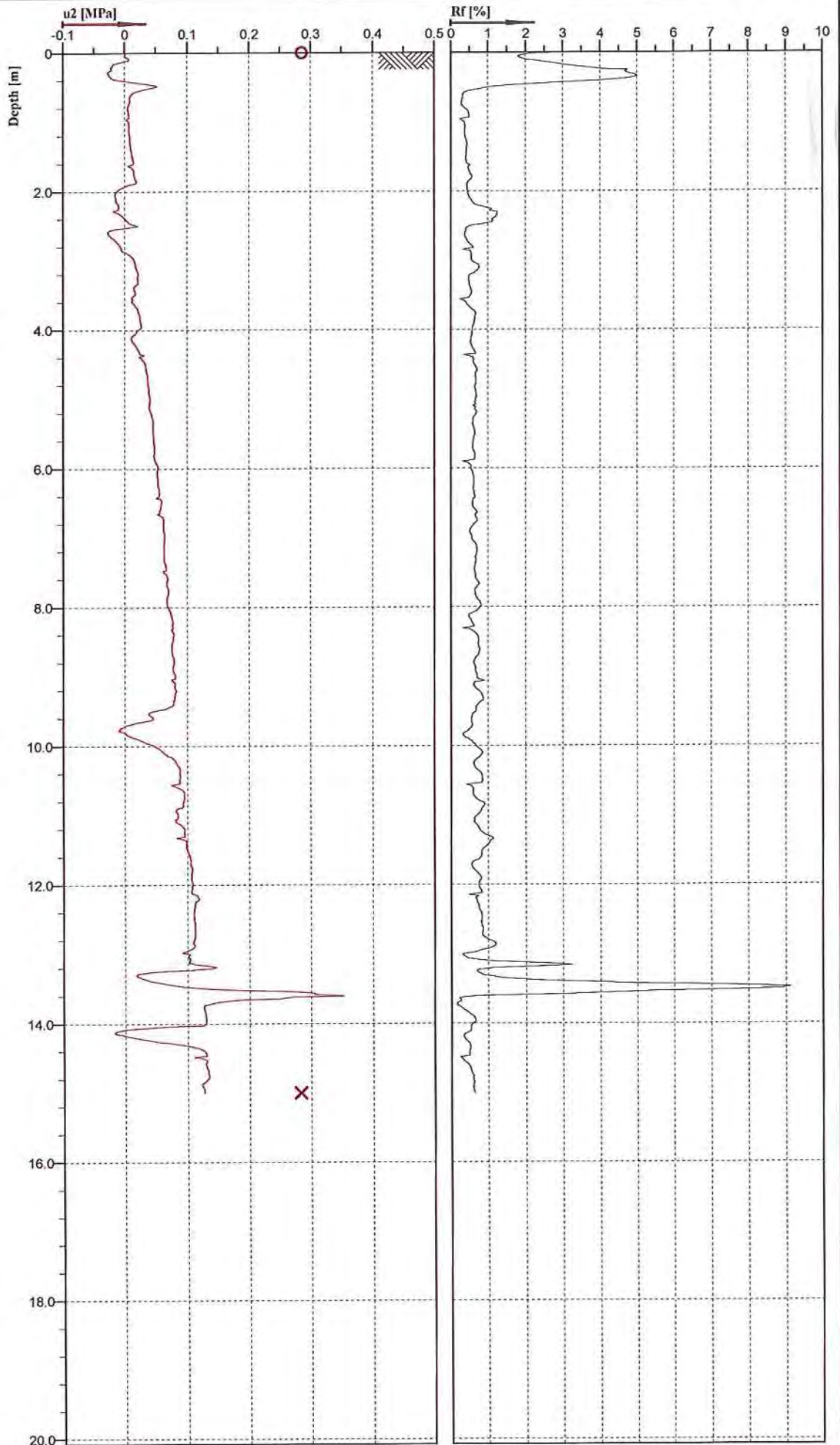
Location:	CHCH	Position:	X: 0.00 m, Y: 0.00 m	Ground level:	0.00	Test no:	539
Project ID:		Client:	Aurecon	Date:	27/08/2013	Scale:	1 : 80
Project:	PRESTONS SOUTH			Page:	1/1	Fig:	
				File:	PrestonsSubdivisionPhase1CPT539.c		

Classification by  
Robertson 1986

Sandy silt to clayey silt (6)



Sand (9)



X



Cone No: 4494  
Tip area [cm<sup>2</sup>]: 10  
Sleeve area [cm<sup>2</sup>]: 150

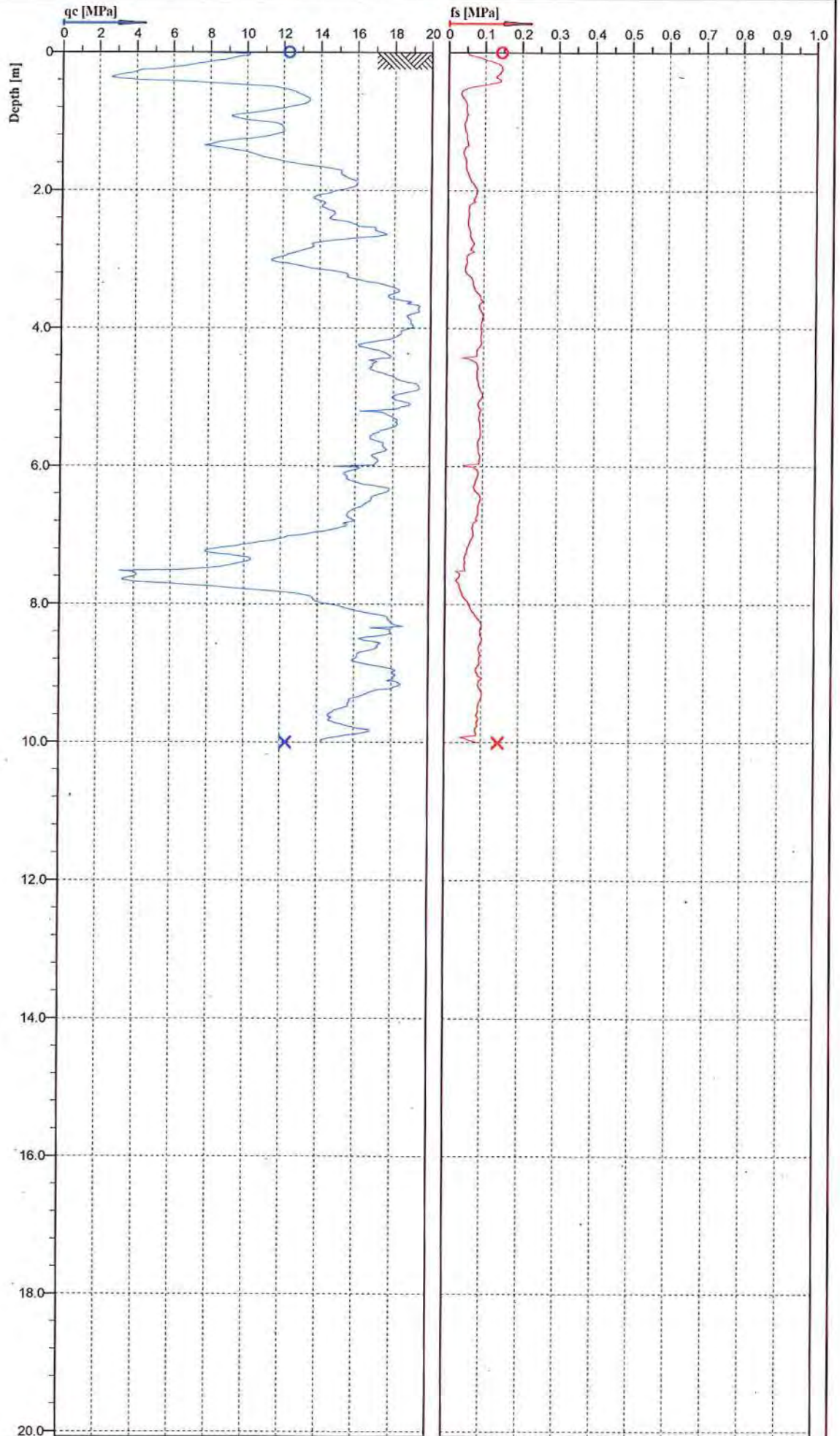
**PRO-DRILL**  
SPECIALIST DRILLING ENGINEERS

Location:	CHCH	Position:	X: 0.00 m, Y: 0.00 m	Ground level:	0.00	Test no:	539
Project ID:		Client:	Aurecon	Date:	27/08/2013	Scale:	1 : 80
Project:	PRESTONS SOUTH			Page:	1/1	Fig:	
				File:	PrestonsSubdivisionPhase1CPT539.c		

Classification by  
Robertson 1986



Sand (9)

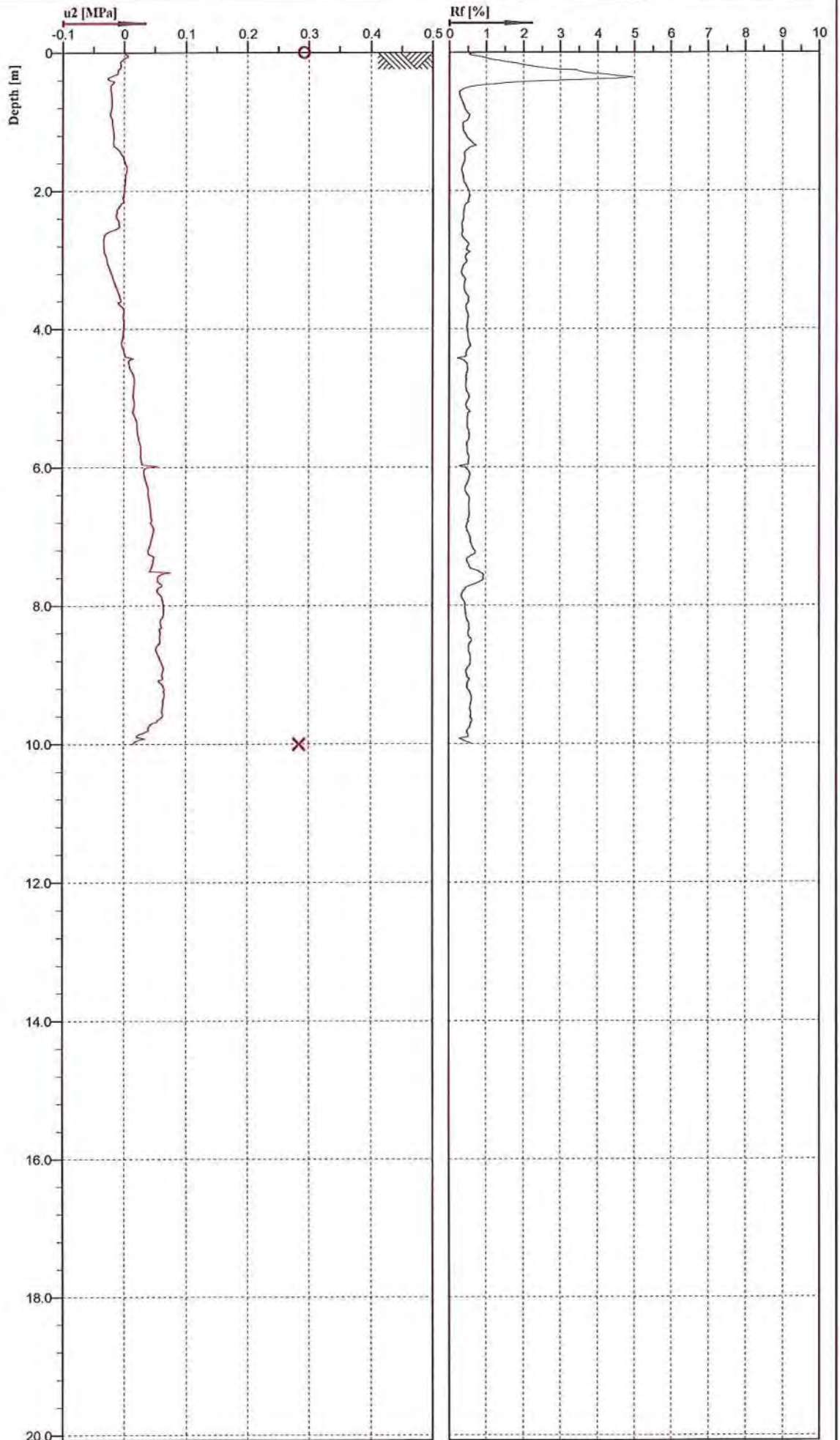
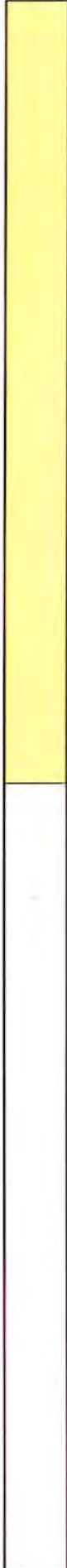


**PRO-DRILL**  
SPECIALIST DRILLING ENGINEERS

Cone No: 4473  
Tip area [cm<sup>2</sup>]: 10  
Sleeve area [cm<sup>2</sup>]: 150

Location:	CHCH	Position:	X: 0.00 m, Y: 0.00 m	Ground level:	0.00	Test no:	614
Project ID:		Client:	Aurecon	Date:	5/12/2013	Scale:	1 : 80
Project:	PRESTONS STH PRE COMPACTION			Page:	1/1	Fig:	
				File:	PrestonsSouthCPT614.cpt		

Classification by  
Robertson 1986



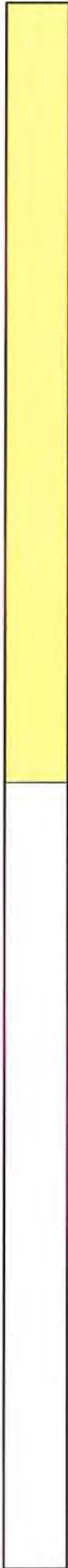
**PRO-DRILL**  
SPECIALIST DRILLING ENGINEERS

Cone No: 4473  
Tip area [cm<sup>2</sup>]: 10  
Sleeve area [cm<sup>2</sup>]: 150

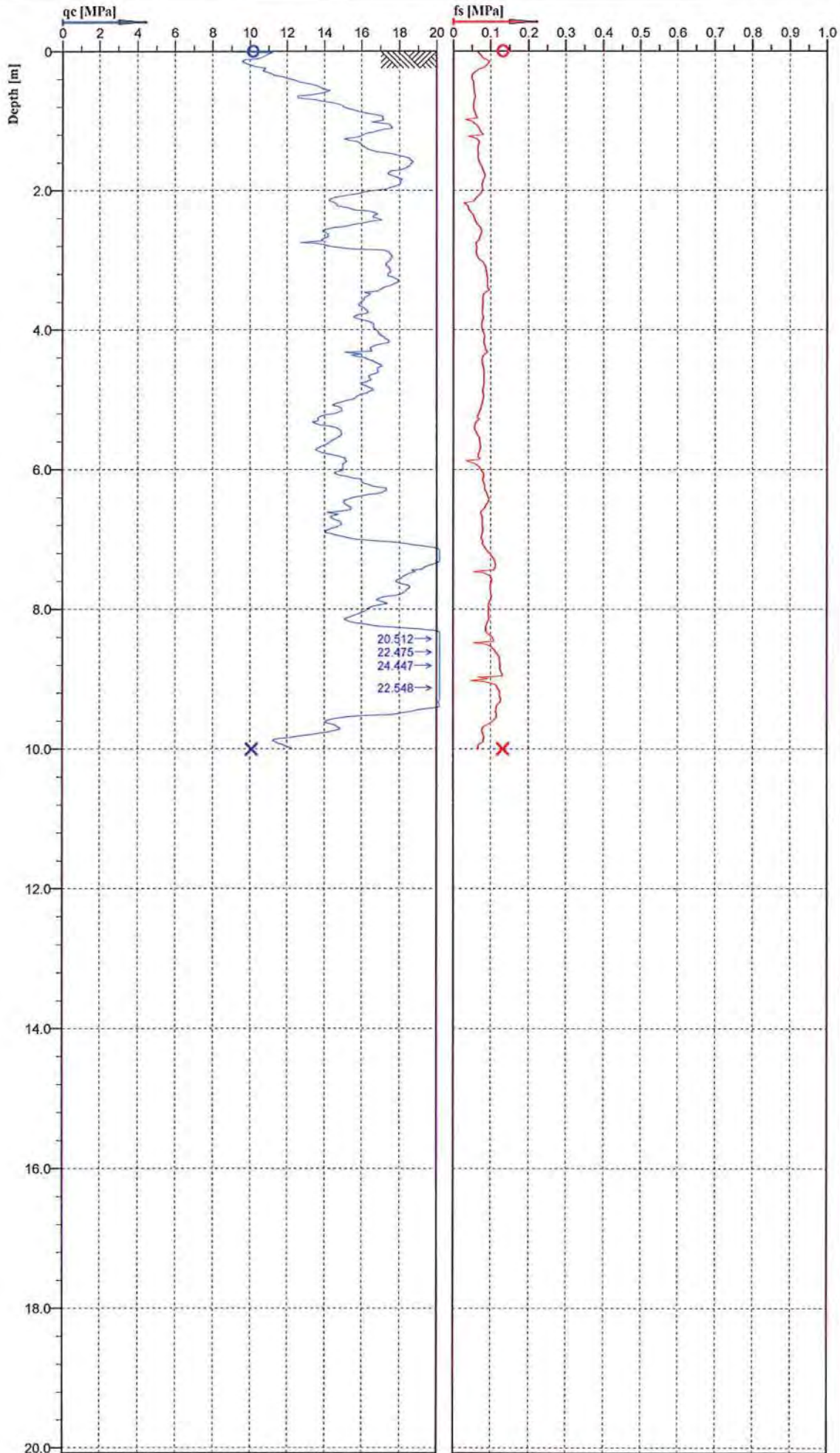


Location:	CHCH	Position:	X: 0.00 m, Y: 0.00 m	Ground level:	0.00	Test no:	614
Project ID:		Client:	Aurecon	Date:	5/12/2013	Scale:	1 : 80
Project:	PRESTONS STH PRE COMPACTION			Page:	1/1	Fig:	
				File:	PrestonsSouthCPT614.cpt		

Classification by  
Robertson 1986



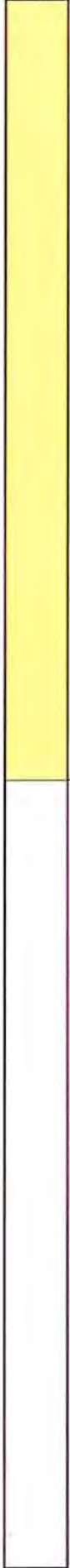
Sand (9)



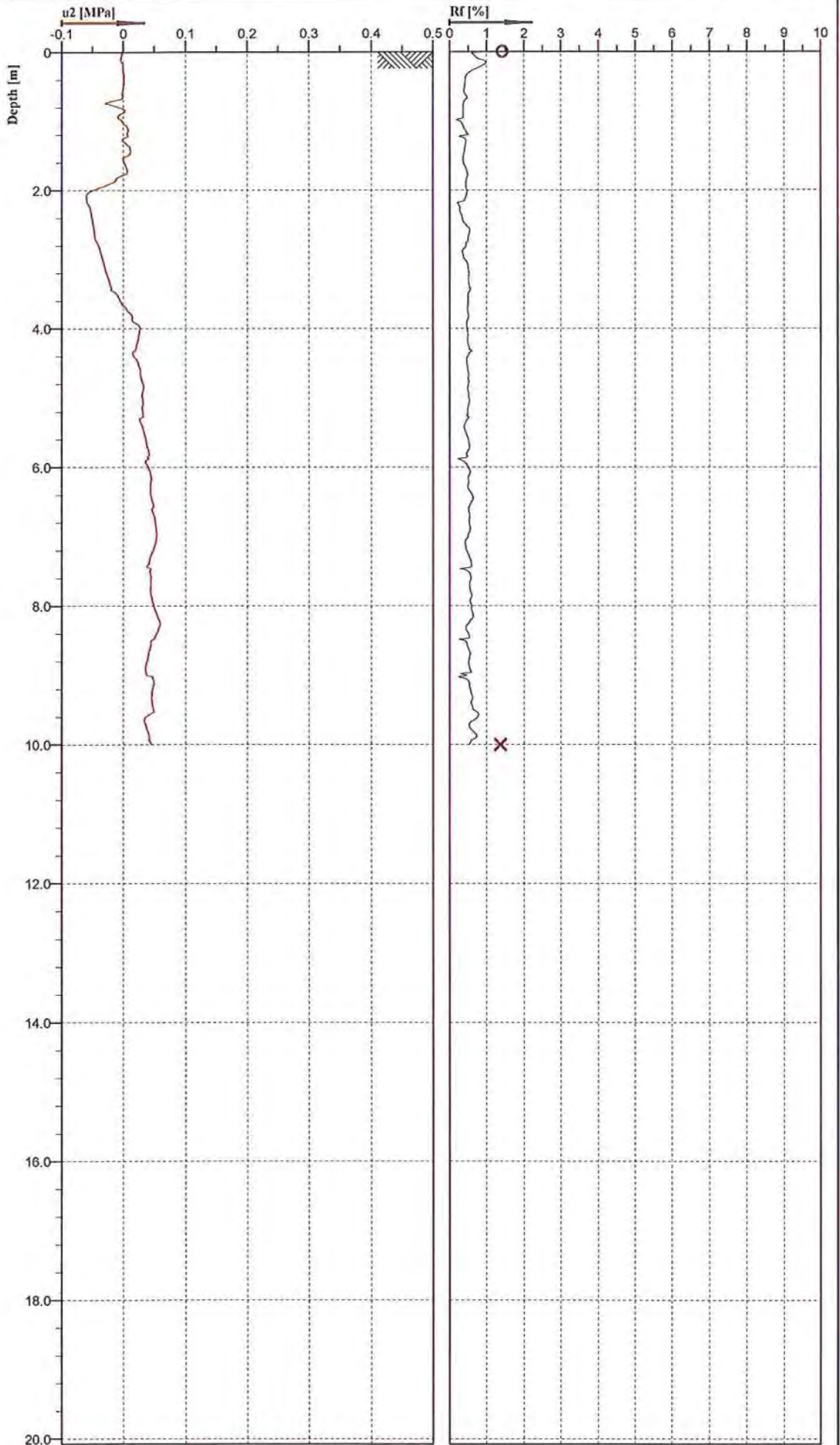
Cone No: 4439  
Tip area [cm<sup>2</sup>]: 10  
Sieve area [cm<sup>2</sup>]: 150

Location: CHCH	Position: X: 0.00 m, Y: 0.00 m	Ground level: 0.00	Test no: 625
Project ID:	Client: Aurecon	Date: 25/02/2014	Scale: 1 : 80
Project: PRESTONS SOUTH		Page: 1/1	Fig:
		File: PrestonsSouthCPT625.cpt	

Classification by  
Robertson 1986



Sand (9)



**PRO-DRILL**  
SPECIALIST DRILLING ENGINEERS

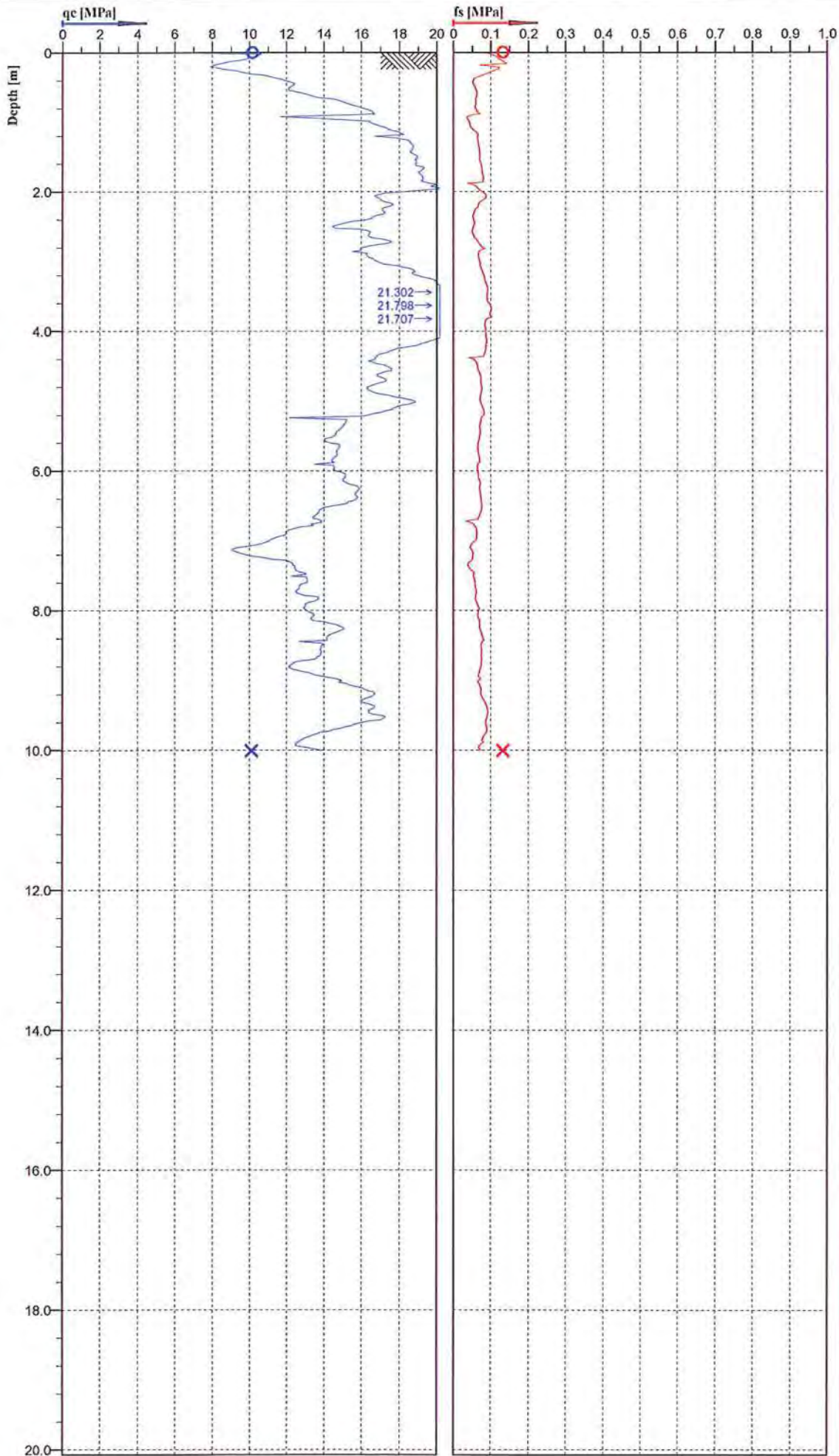
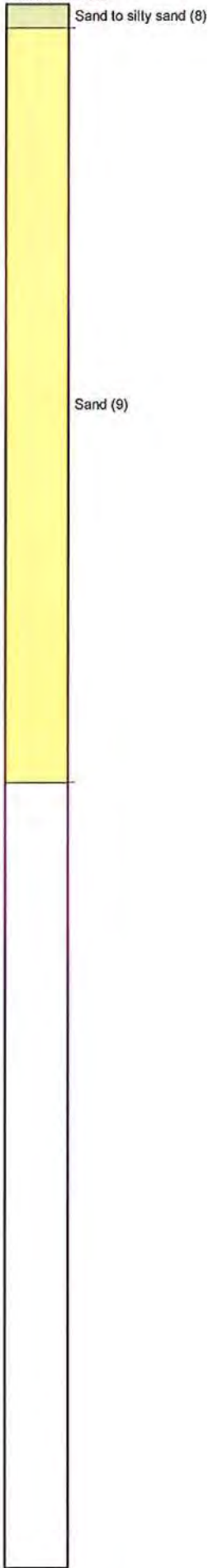


Cone No: 4439  
Tip area [cm<sup>2</sup>]: 10  
Sleeve area [cm<sup>2</sup>]: 150

Location: CHCH	Position: X: 0.00 m, Y: 0.00 m	Ground level: 0.00	Test no: 625
Project ID:	Client: Aurecon	Date: 25/02/2014	Scale: 1 : 80
Project: PRESTONS SOUTH		Page: 1/1	Fig:
		File: PrestonsSouthCPT625.cpt	



Classification by  
Robertson 1986



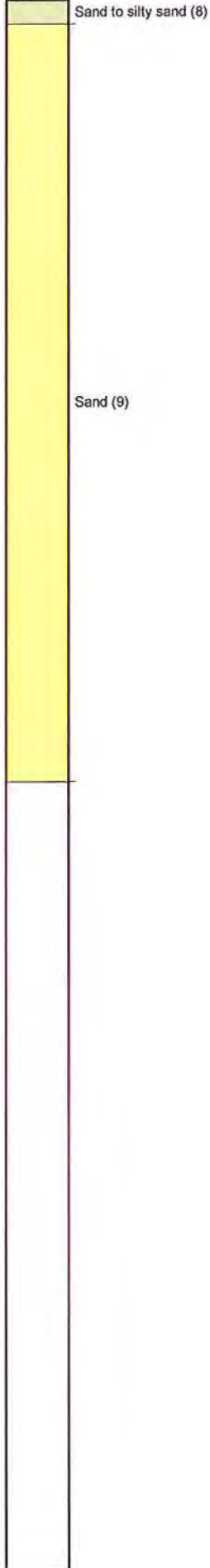
**PRO-DRILL**  
SPECIALIST DRILLING ENGINEERS



Cone No: 4439  
Tip area [cm<sup>2</sup>]: 10  
Sleeve area [cm<sup>2</sup>]: 150

Location:	CHCH	Position:	X: 0.00 m, Y: 0.00 m	Ground level:	0.00	Test no:	626
Project ID:		Client:	Aurecon	Date:	25/02/2014	Scale:	1 : 80
Project:	PRESTONS SOUTH			Page:	1/1	Fig:	
				File:	PrestonsSouthCPT626.cpt		

Classification by  
Robertson 1986



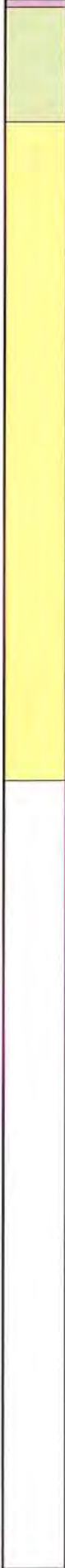
**PRO-DRILL**  
SPECIALIST DRILLING ENGINEERS



Cone No: 4439  
Tip area [cm<sup>2</sup>]: 10  
Sleeve area [cm<sup>2</sup>]: 150

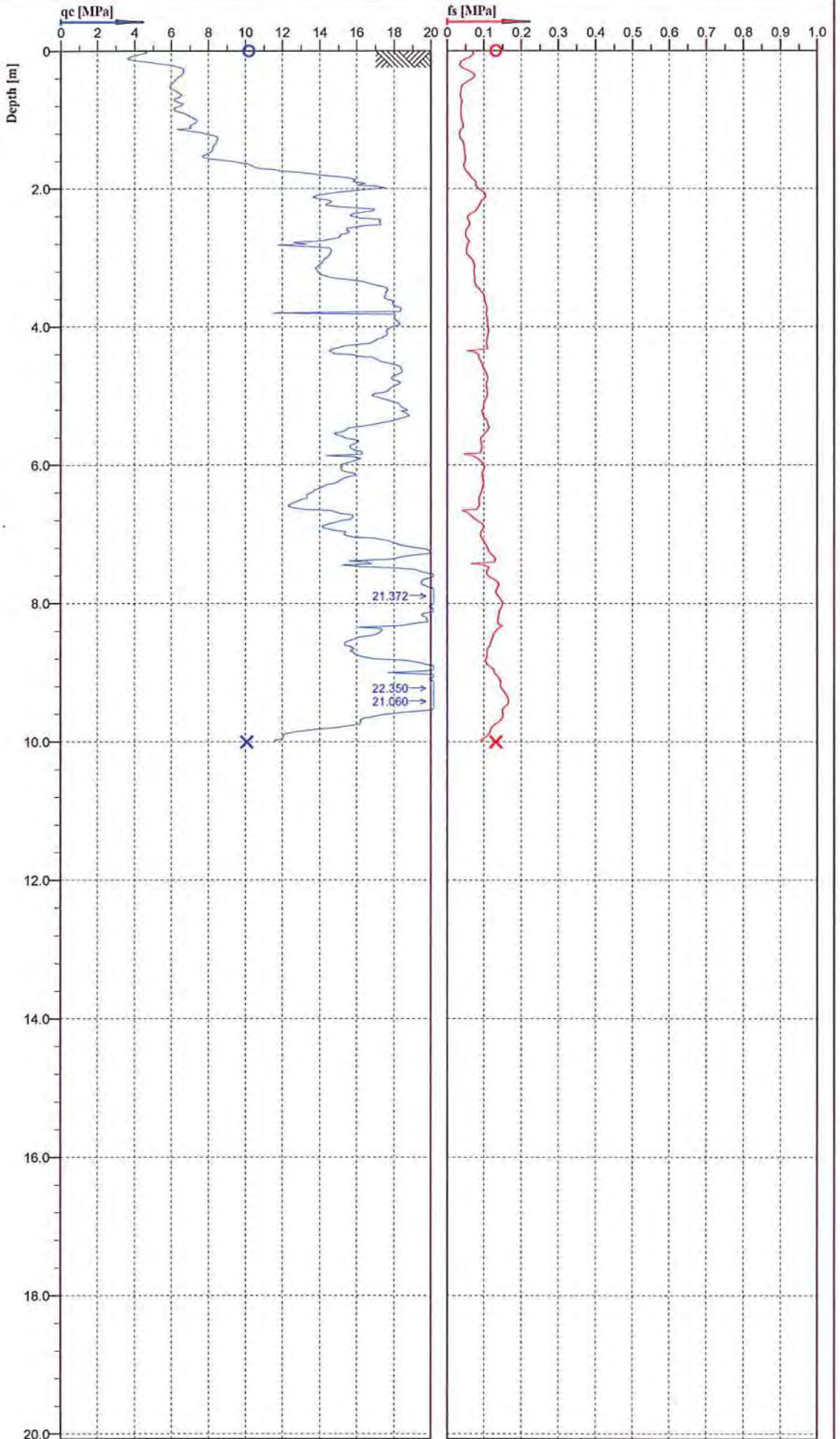
Location: CHCH	Position: X: 0.00 m, Y: 0.00 m	Ground level: 0.00	Test no: 626
Project ID:	Client: Aurecon	Date: 25/02/2014	Scale: 1 : 80
Project: PRESTONS SOUTH		Page: 1/1	Fig:
		File: PrestonsSouthCPT626.cpt	

Classification by Robertson 1986



Sand to silty sand (8)

Sand (9)



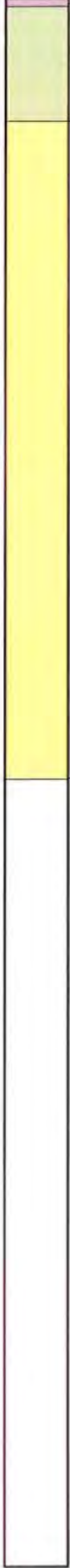
**PRO-DRILL**  
SPECIALIST DRILLING ENGINEERS



Cone No: 4439  
Tip area [cm<sup>2</sup>]: 10  
Sleeve area [cm<sup>2</sup>]: 150

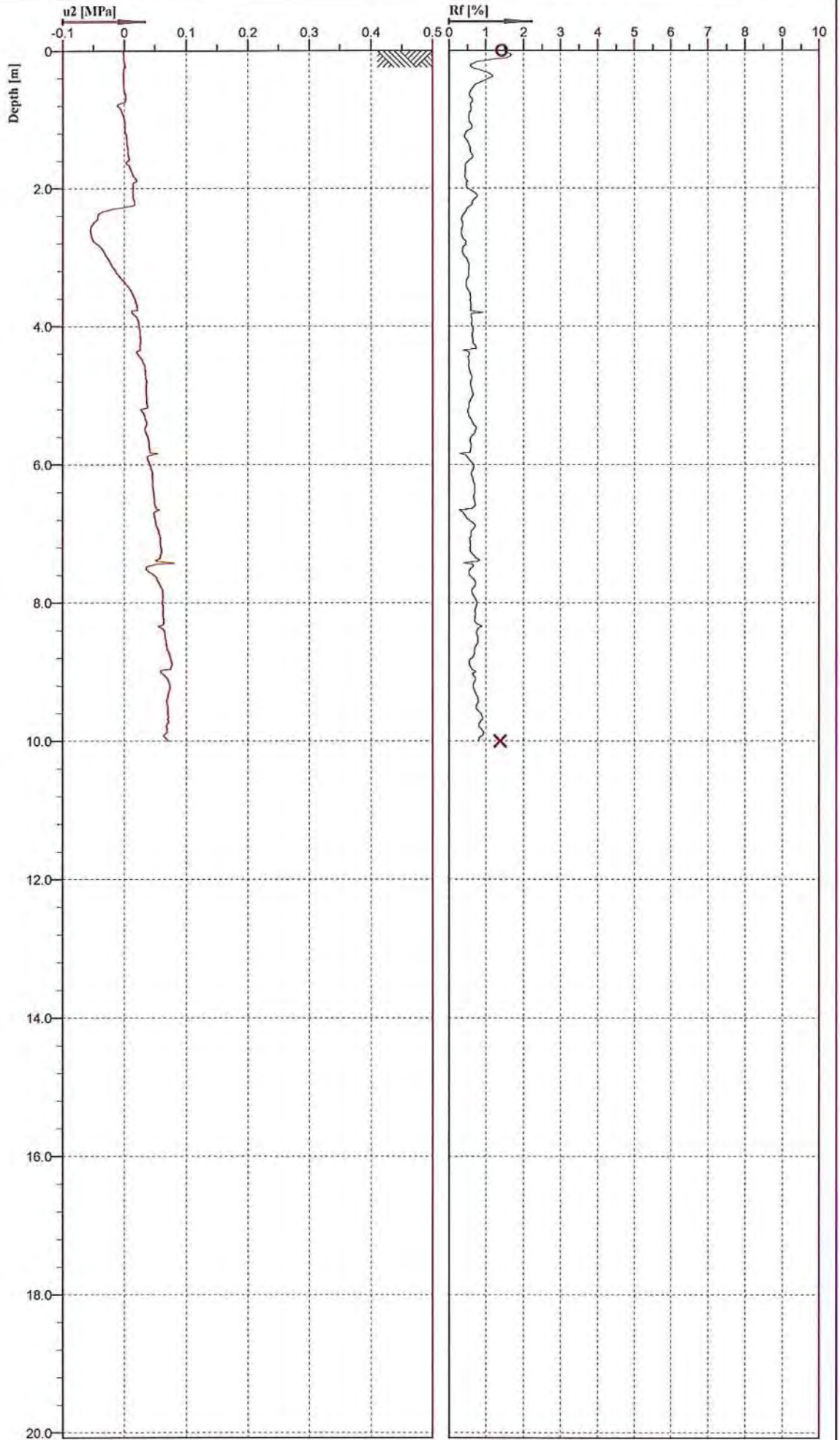
Location:	CHCH	Position:	X: 0.00 m, Y: 0.00 m	Ground level:	0.00	Test no:	627
Project ID:		Client:	Aurecon	Date:	24/02/2014	Scale:	1 : 80
Project:	PRESTONS SOUTH			Page:	1/1	Fig:	
				File:	prestonsSouthCPT627.cpt		

Classification by  
Robertson 1986



Sand to silty sand (8)

Sand (9)

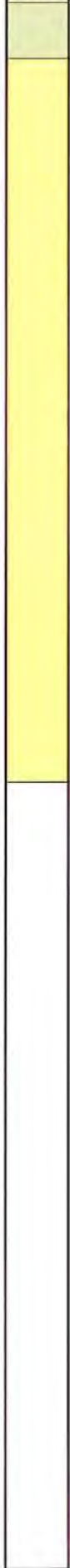


Cone No: 4439  
Tip area [cm<sup>2</sup>]: 10  
Steeve area [cm<sup>2</sup>]: 150

**PRO-DRILL**  
SPECIALIST DRILLING ENGINEERS

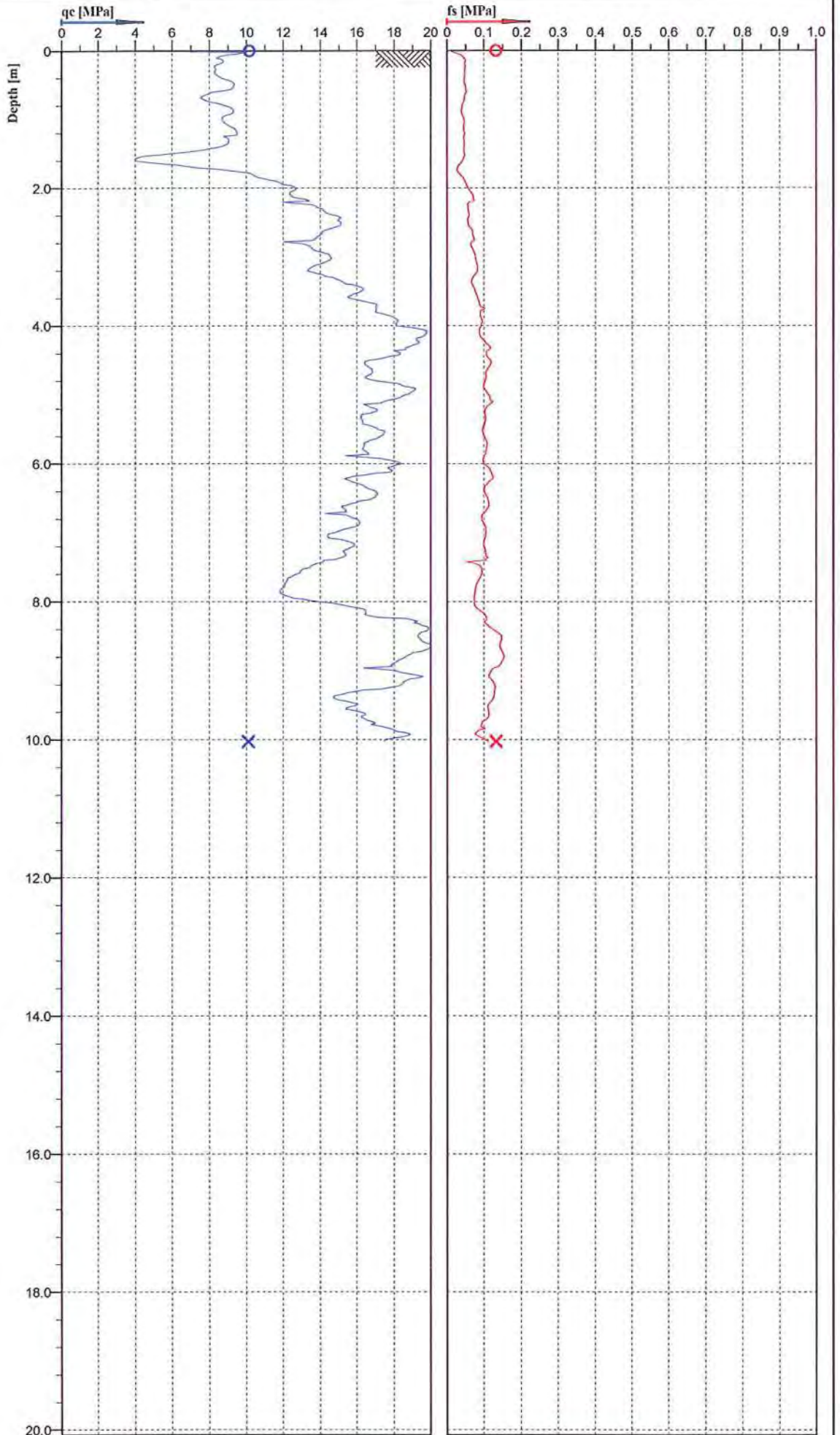
Location:	CHCH	Position:	X: 0.00 m, Y: 0.00 m	Ground level:	0.00	Test no:	627
Project ID:		Client:	Aurecon	Date:	24/02/2014	Scale:	1 : 80
Project:	PRESTONS SOUTH			Page:	1/1	Fig:	
				File:	prestonsSouthCPT627.cpt		

Classification by  
Robertson 1986



Sand to silty sand (8)

Sand (9)



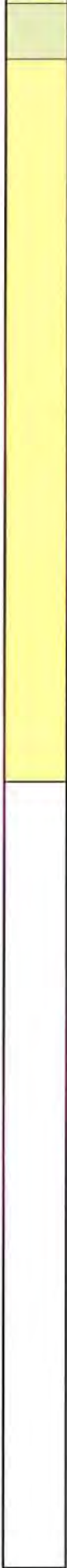
**PRO-DRILL**  
SPECIALIST DRILLING ENGINEERS



Cone No: 4439  
Tip area [cm<sup>2</sup>]: 10  
Sleeve area [cm<sup>2</sup>]: 150

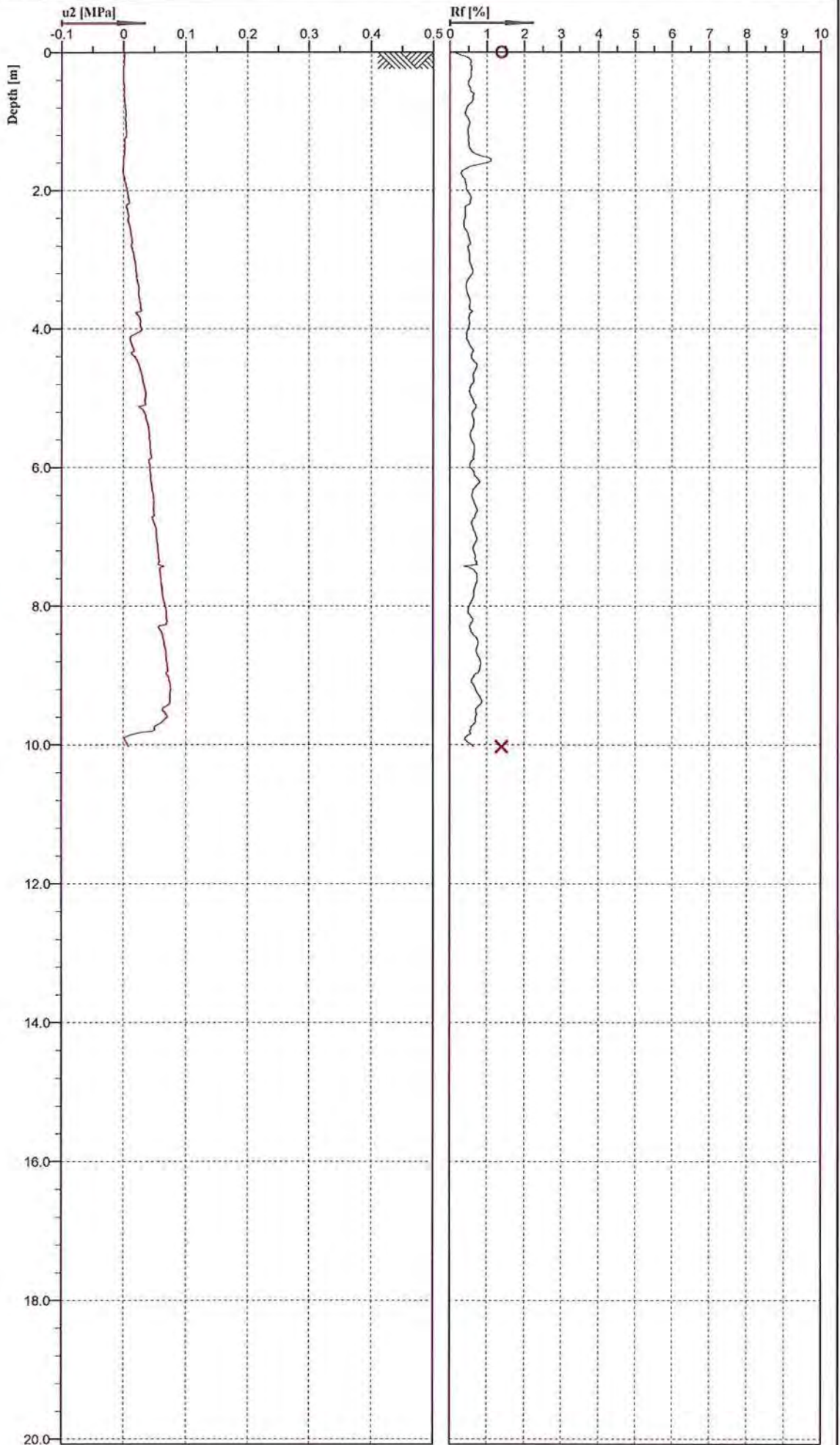
Location:	CHCH	Position:	X: 0.00 m, Y: 0.00 m	Ground level:	0.00	Test no:	628a
Project ID:		Client:	Aurecon	Date:	24/02/2014	Scale:	1 : 80
Project:	PRESTONS SOUTH			Page:	1/1	Fig:	
				File:	prestonsSouthCPT628a.cpt		

Classification by  
Robertson 1986



Sand to silty sand (8)

Sand (9)



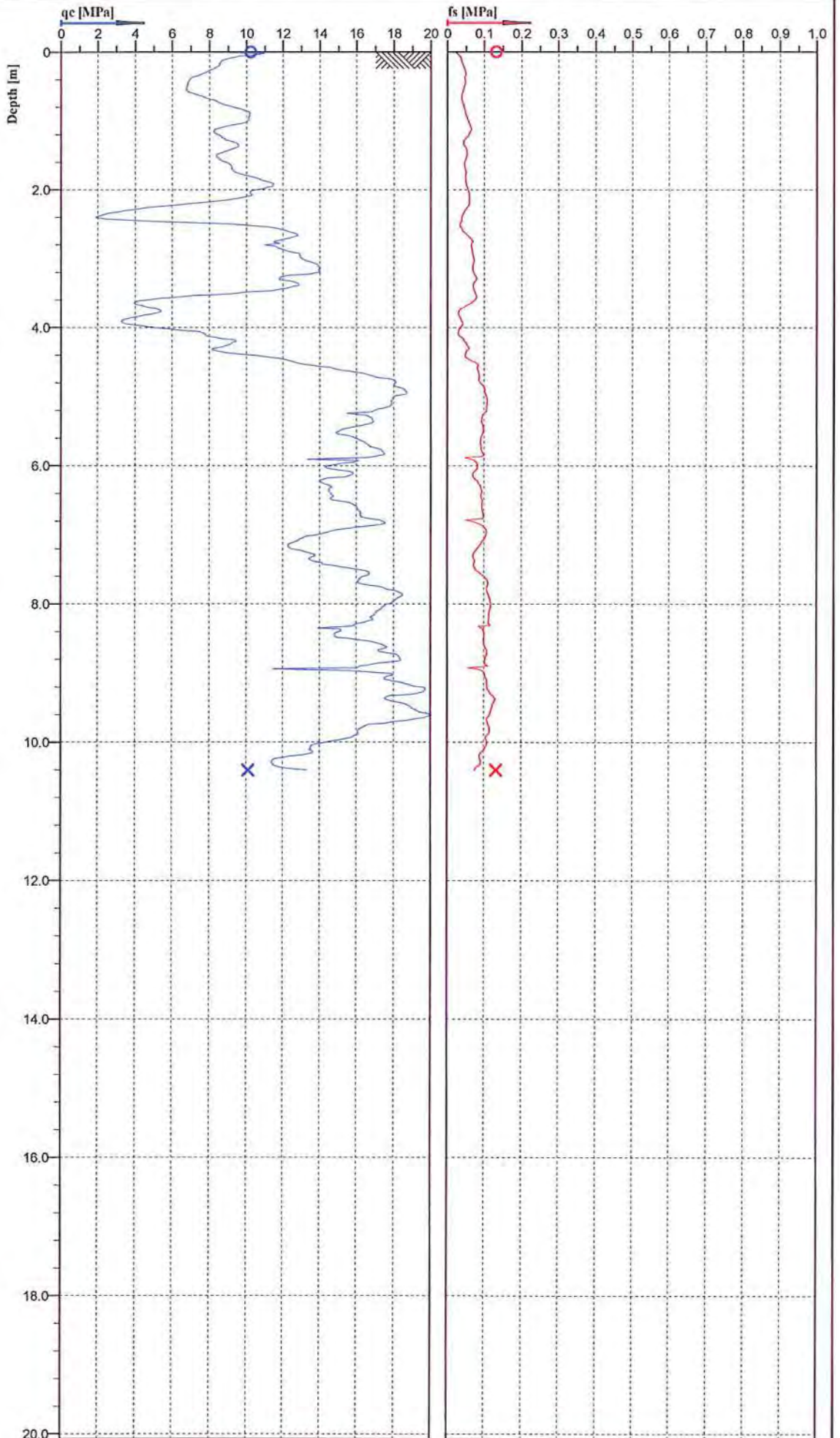
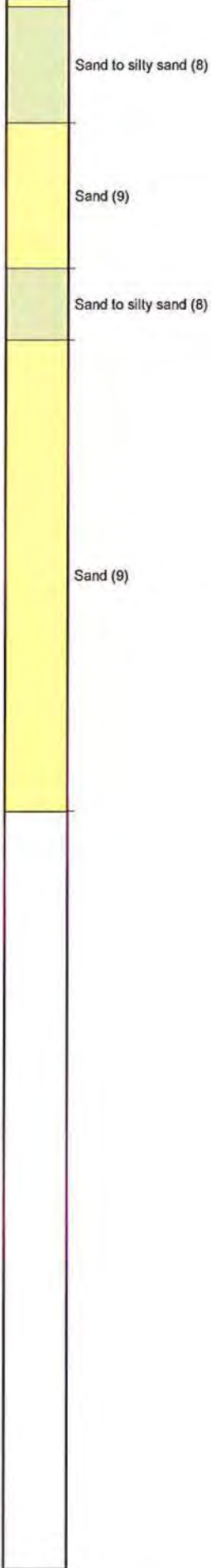
**PRO-DRILL**  
SPECIALIST DRILLING ENGINEERS

Cone No: 4439  
Tip area [cm<sup>2</sup>]: 10  
Sleeve area [cm<sup>2</sup>]: 150



Location:	CHCH	Position:	X: 0.00 m, Y: 0.00 m	Ground level:	0.00	Test no:	628a
Project ID:		Client:	Aurecon	Date:	24/02/2014	Scale:	1 : 80
Project:	PRESTONS SOUTH			Page:	1/1	Fig:	
				File:	prestonsSouthCPT628a.cpt		

Classification by  
Robertson 1986

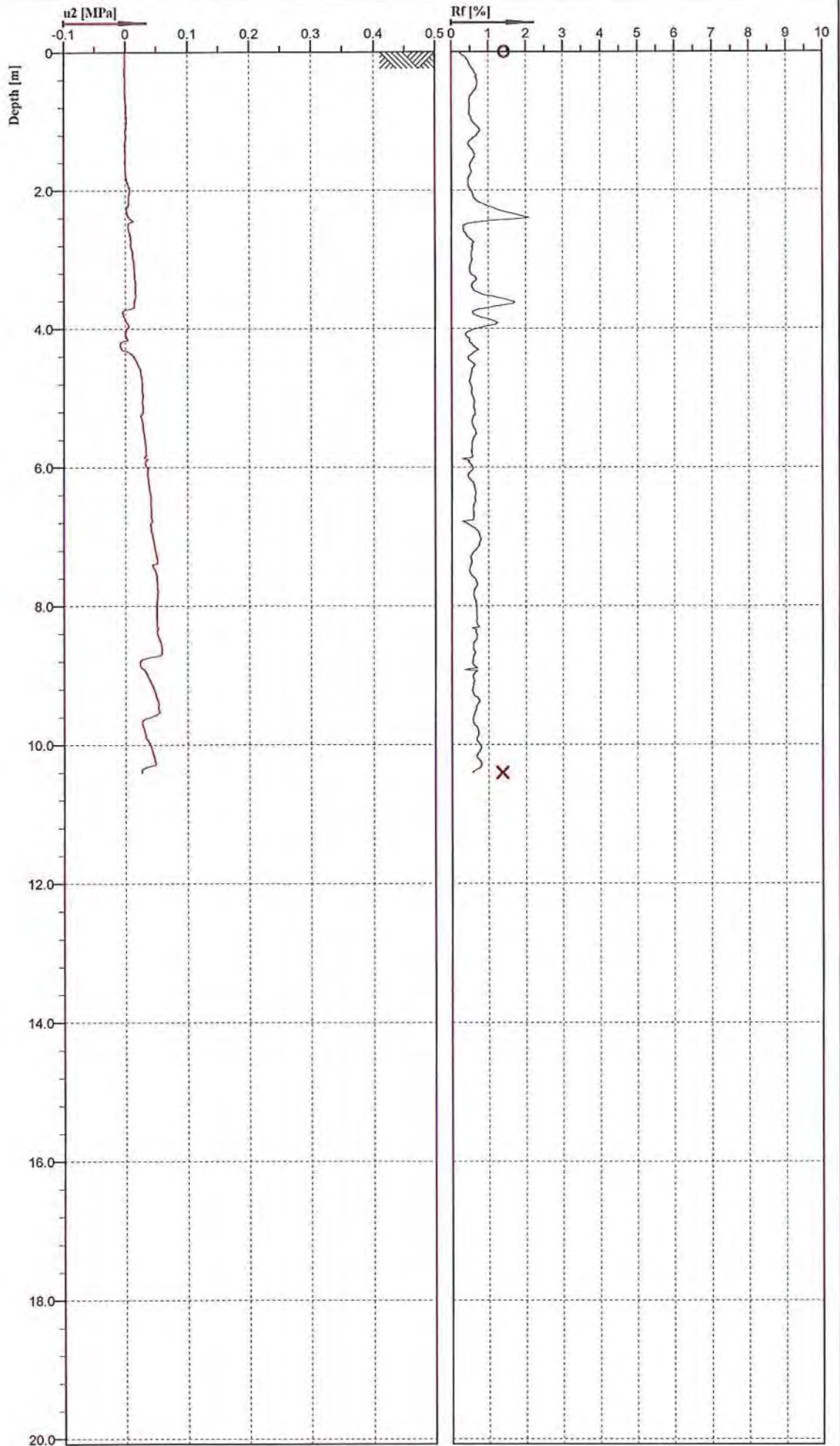
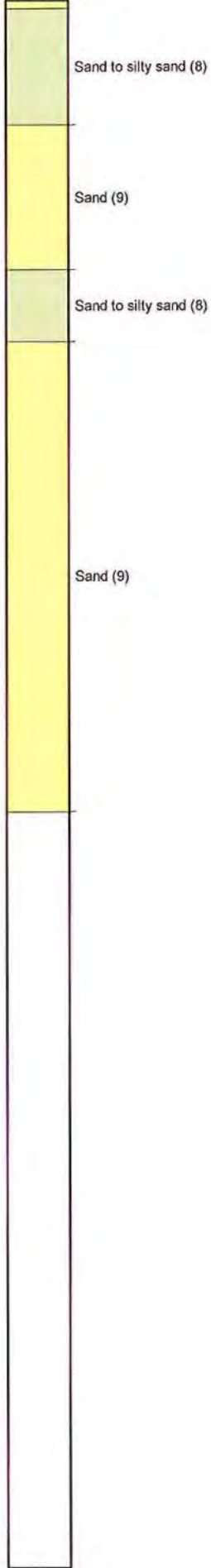


Cone No: 4439  
Tip area [cm<sup>2</sup>]: 10  
Sleeve area [cm<sup>2</sup>]: 150

**PRO-DRILL**  
SPECIALIST DRILLING ENGINEERS

Location:	CHCH	Position:	X: 0.00 m, Y: 0.00 m	Ground level:	0.00	Test no:	629
Project ID:		Client:	Aurecon	Date:	24/02/2014	Scale:	1 : 80
Project:	PRESTONS SOUTH			Page:	1/1	Fig:	
				File:	prestonsSouthCPT629.cpt		

Classification by  
Robertson 1986



**PRO-DRILL**  
SPECIALIST DRILLING ENGINEERS



Cone No: 4439  
Tip area [cm<sup>2</sup>]: 10  
Sleeve area [cm<sup>2</sup>]: 150

Location:	CHCH	Position:	X: 0.00 m, Y: 0.00 m	Ground level:	0.00	Test no:	629
Project ID:		Client:	Aurecon	Date:	24/02/2014	Scale:	1 : 80
Project:	PRESTONS SOUTH			Page:	1/1	Fig:	
				File:	prestonsSouthCPT629.cpt		

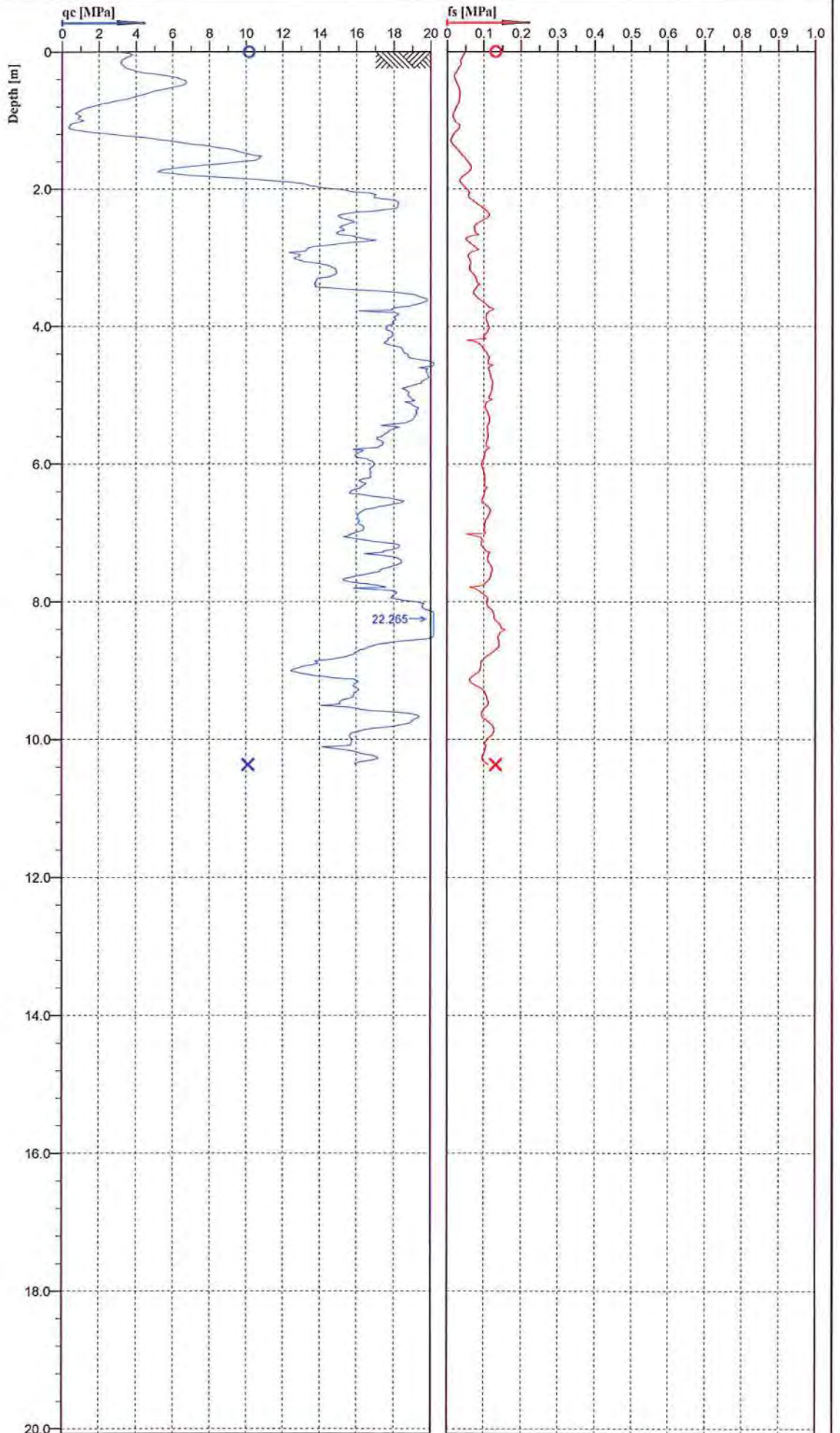


Classification by  
Robertson 1986



Silty sand to sandy silt (7)

Sand (9)

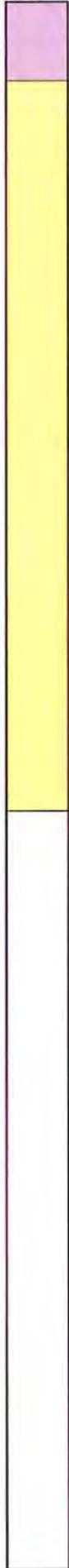


**PRO-DRILL**  
SPECIALIST DRILLING ENGINEERS

Cone No: 4439  
Tip area [cm<sup>2</sup>]: 10  
Sleeve area [cm<sup>2</sup>]: 150

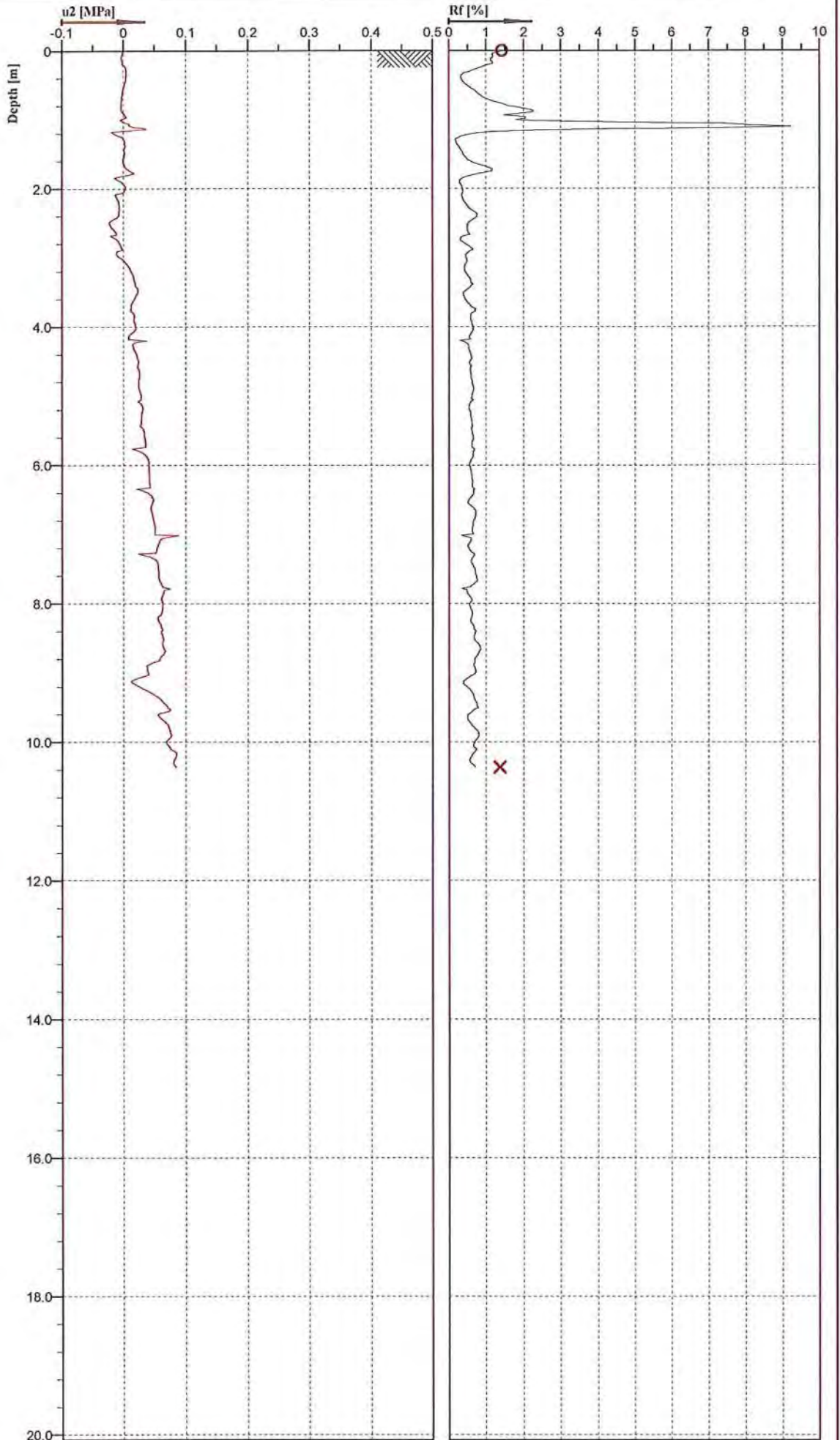
Location:	CHCH	Position:	X: 0.00 m, Y: 0.00 m	Ground level:	0.00	Test no:	630
Project ID:		Client:	Aurecon	Date:	25/02/2014	Scale:	1 : 80
Project:	PRESTONS SOUTH			Page:	1/1	Fig:	
				File:	PrestonsSouthCPT630.cpt		

Classification by  
Robertson 1986



Silty sand to sandy silt (7)

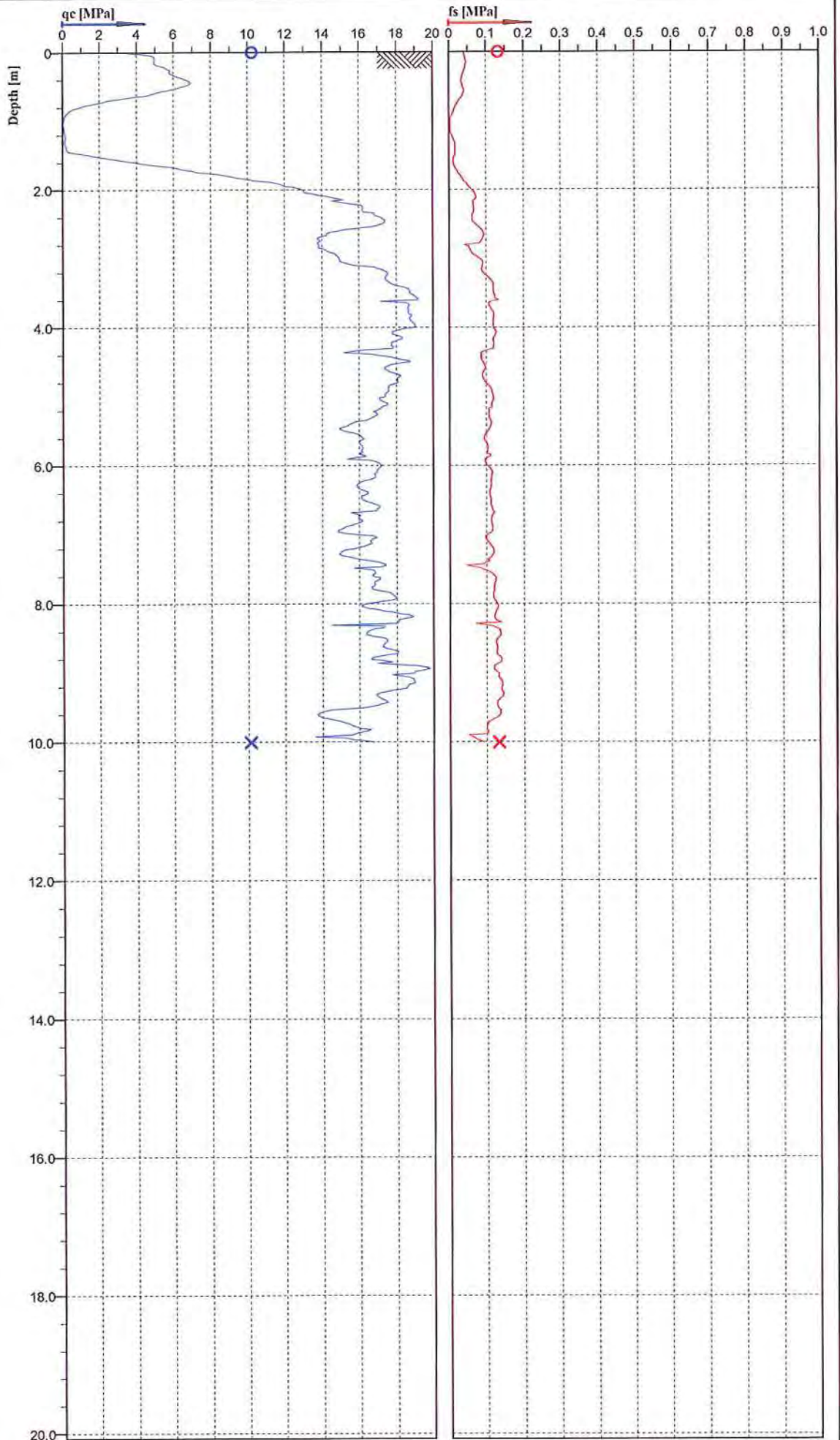
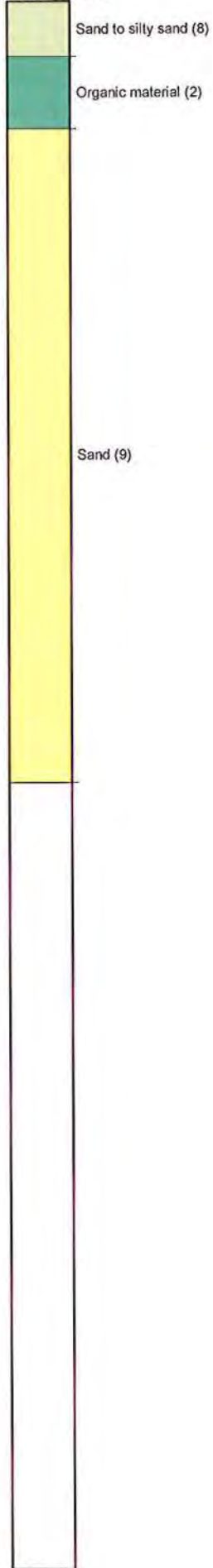
Sand (9)



Cone No: 4439  
Tip area [cm<sup>2</sup>]: 10  
Sleeve area [cm<sup>2</sup>]: 150

Location:	CHCH	Position:	X: 0.00 m, Y: 0.00 m	Ground level:	0.00	Test no:	630
Project ID:		Client:	Aurecon	Date:	25/02/2014	Scale:	1 : 80
Project:	PRESTONS SOUTH			Page:	1/1	Fig:	
				File:	PrestonsSouthCPT630.cpt		

Classification by  
Robertson 1986



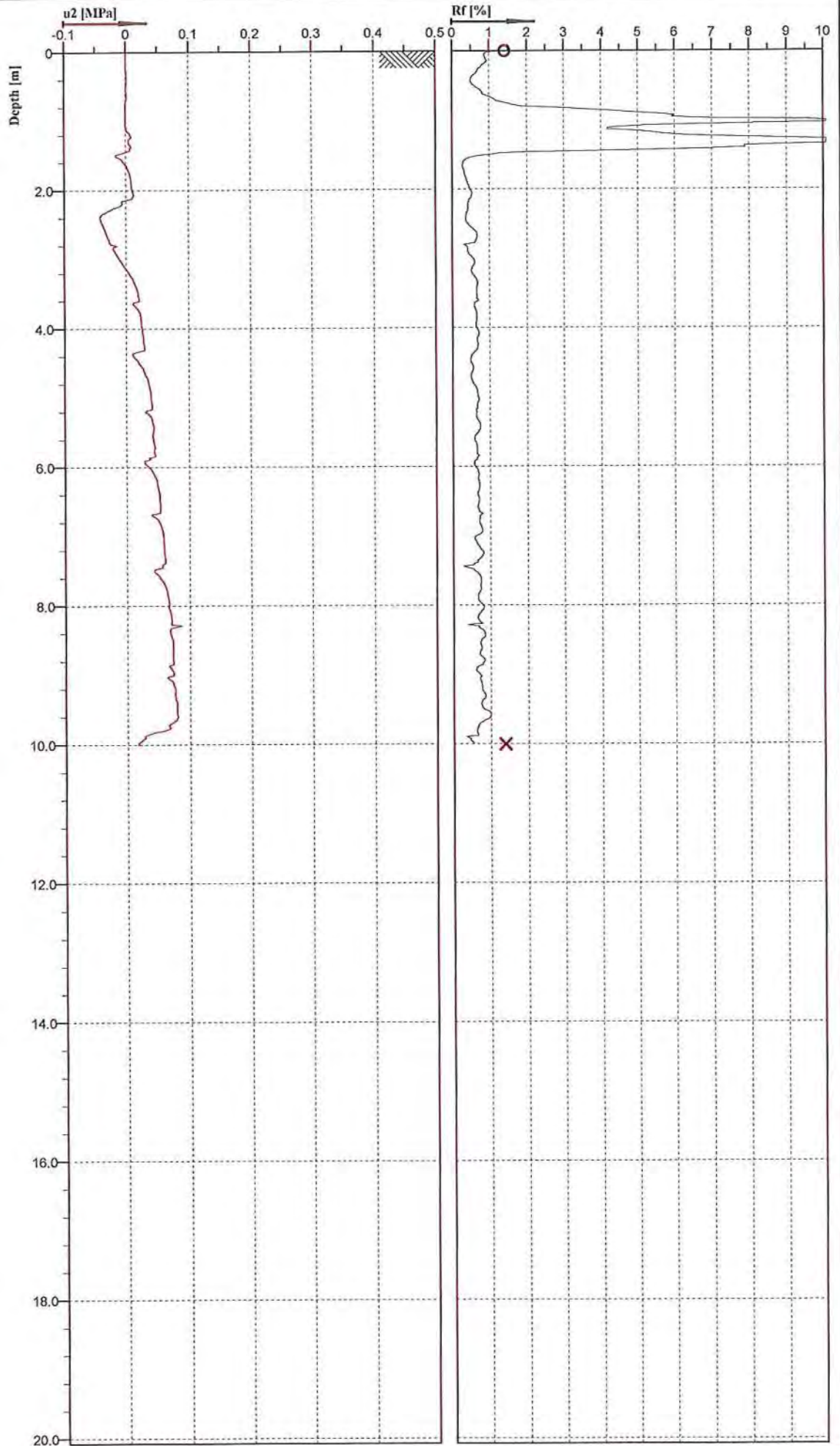
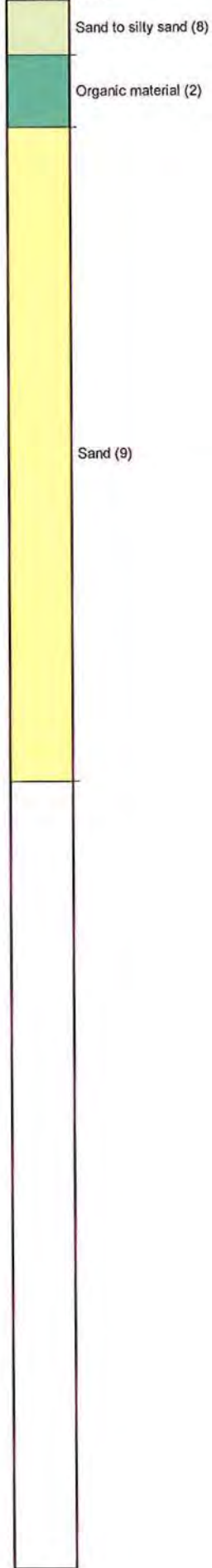
**PRO-DRILL**  
SPECIALIST DRILLING ENGINEERS



Cone No: 4439  
Tip area [cm<sup>2</sup>]: 10  
Sleeve area [cm<sup>2</sup>]: 150

Location:	CHCH	Position:	X: 0.00 m, Y: 0.00 m	Ground level:	0.00	Test no:	631
Project ID:		Client:	Aurecon	Date:	24/02/2014	Scale:	1 : 80
Project:	PRESTONS SOUTH			Page:	1/1	Fig:	
				File:	prestonsSouthCPT631.cpt		

Classification by Robertson 1986



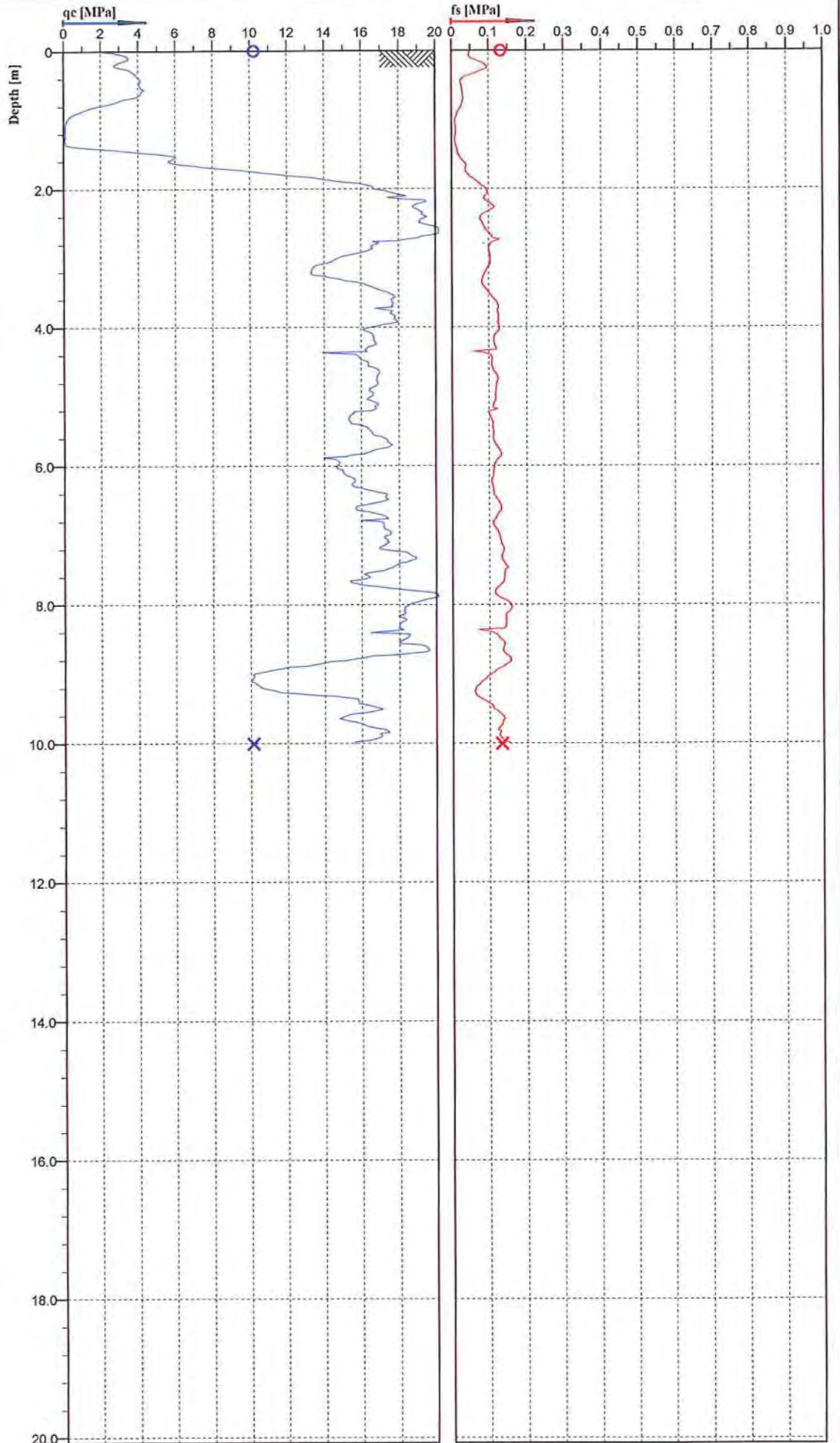
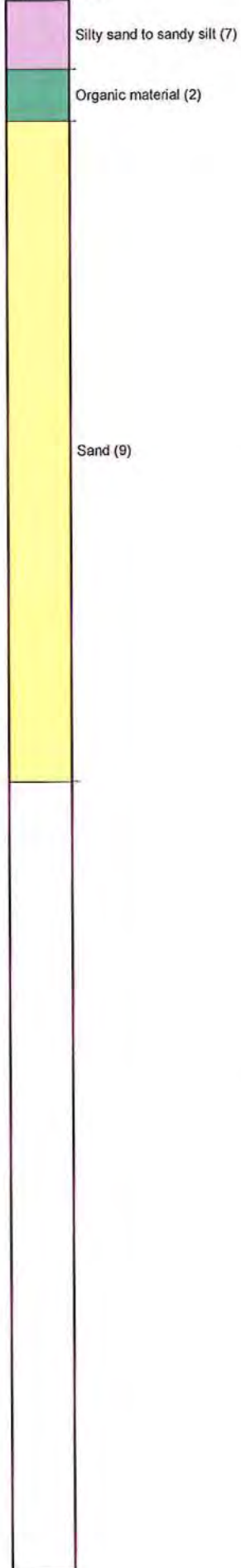
**PRO-DRILL**  
SPECIALIST DRILLING ENGINEERS

Cone No: 4439  
Tip area [cm<sup>2</sup>]: 10  
Sleeve area [cm<sup>2</sup>]: 150



Location: CHCH	Position: X: 0.00 m, Y: 0.00 m	Ground level: 0.00	Test no: 631
Project ID:	Client: Aurecon	Date: 24/02/2014	Scale: 1 : 80
Project: PRESTONS SOUTH		Page: 1/1	Fig:
		File: prestonsSouthCPT631.cpt	

Classification by  
Robertson 1986



**PRO-DRILL**  
SPECIALIST DRILLING ENGINEERS



Cone No: 4439  
Tip area [cm<sup>2</sup>]: 10  
Sleeve area [cm<sup>2</sup>]: 150

Location:	CHCH	Position:	X: 0.00 m, Y: 0.00 m	Ground level:	0.00	Test no:	632
Project ID:		Client:	Aurecon	Date:	24/02/2014	Scale:	1 : 80
Project:	PRESTONS SOUTH			Page:	1/1	Fig:	
				File:	prestonsSouthCPT632.cpt		