

APPENDIX A – STAGE 7 HAND AUGER & DCP LOGS



HAND AUGER LOG

HA7.01

SHEET 1 OF 19

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM	SUB-LOCATION: Stage 7, Lot 67
PROJECT: 183970602	EASTING: 1928623.85	STARTED: 13-03-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607883.32	FINISHED: 13-03-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: JM DATE: 13-03-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: DATE:
	DIAMETER: 0mm	STATUS: Draft data

CONTRACTOR: _____ OPERATOR: _____

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	ROCK / SOIL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY / DENSITY	CLASSIFICATION	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
0.0	-0.5			Silty SAND, with trace rootlets; brown . Soft; dry.	D	S				
0.5	-0.5			Sandy SILT, with trace clay and gravel; light brown, orange mottle. Soft to firm; non-plastic; dry; [FILL].		S - FM				
0.5	-0.5			Sandy SILT, with some gravel; brown . Firm; non-plastic; dry; [FILL].	M	MD				
1.0	-1.0			Silty SAND; light brown. Medium dense; non-plastic; moist.						
1.0	-1.0			EOH: 1.00m						

REMARKS

SYMBOLS

- ▼ Standing Water Level
- ◁ Out flow
- ▷ In flow



HAND AUGER LOG

HA7.02

SHEET 2 OF 19

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM	SUB-LOCATION: Stage 7, Lot 68
PROJECT: 183970602	EASTING: 1928613.93	STARTED: 13-03-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607897.81	FINISHED: 13-03-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: JM DATE: 13-03-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: DATE:
	DIAMETER: 0mm	STATUS: Draft data

CONTRACTOR: _____ OPERATOR: _____

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	ROCK / SOIL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY / DENSITY	CLASSIFICATION	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
0.0	-0.5		TS	Rootlets silty SAND; brown . Soft; non-plastic; dry; [TOPSOIL].	D	S				
0.5	-0.5			Sandy SILT, with trace gravel; light brown, orange mottle. Non-plastic. EOH: 0.60m						
1.0	-1.0									
1.5	-1.5									
2.0	-2.0									
2.5	-2.5									
3.0	-3.0									
3.5	-3.5									
4.0	-4.0									
4.5	-4.5									

REMARKS

- SYMBOLS
- ▼ Standing Water Level
 - ⇐ Out flow
 - ▷ In flow



HAND AUGER LOG

HA7.03

SHEET 3 OF 19

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM	SUB-LOCATION: Stage 7, Lot 76
PROJECT: 183970602	EASTING: 1928498.79	STARTED: 13-03-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607819.18	FINISHED: 13-03-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: JM/BR DATE: 13-03-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: DATE:
	DIAMETER: 0mm	STATUS: Draft data

CONTRACTOR: OPERATOR:

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	ROCK / SOIL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY / DENSITY	CLASSIFICATION	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
0.0	-0.5		TS	Sandy SILT; dark brown, orange and grey mottling. Soft; non-plastic; dry; [TOPSOIL].	D	S				
0.5	-1.0			Silty SAND, with trace topsoil and gravel; light brown. Soft; non-plastic; dry; [FILL].			D			
1.0	-1.5			Sandy GRAVEL, with trace topsoil; brown. Dense; dry; well graded; gravel, 2mm-10mm; [FILL].						
1.0	-1.5			Sandy SILT, with trace topsoil; light brown. Firm; non-plastic; moist; [FILL?].	M	FM				
				EOH: 1.30m						
1.5	-2.0									
2.0	-2.5									
2.5	-3.0									
3.0	-3.5									
3.5	-4.0									
4.0	-4.5									
4.5	-5.0									

REMARKS

- SYMBOLS
- ▼ Standing Water Level
 - ⇐ Out flow
 - ▷ In flow



HAND AUGER LOG

HA7.04

SHEET 4 OF 19

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM	SUB-LOCATION: Stage 7, 77
PROJECT: 183970602	EASTING: 1928483.16	STARTED: 13-03-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607809.67	FINISHED: 13-03-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: JM/BR DATE: 13-03-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: DATE:
	DIAMETER: 0mm	STATUS: Draft data

CONTRACTOR: OPERATOR:

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	ROCK / SOIL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY / DENSITY	CLASSIFICATION	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
0.0	-0.5			Sandy SILT; dark brown, orange and grey mottle. Soft; non-plastic; dry; [TOPSOIL].	D	S				
0.5	-0.5			Silty SAND, with trace topsoil and gravel; light brown . Soft; non-plastic; dry; [FILL].						
1.0	-1.0			Silty SAND, with some gravel; brown . Soft; non-plastic; dry; gravel, 3mm - 10mm.						
1.0	-1.0			EOH: 0.60m						

REMARKS

- SYMBOLS
- ▼ Standing Water Level
 - ⇐ Out flow
 - ▷ In flow



HAND AUGER LOG

HA7.05

SHEET 5 OF 19

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM	SUB-LOCATION: Stage 7, Lot 78
PROJECT: 183970602	EASTING: 1928467.28	STARTED: 13-03-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607795.36	FINISHED: 13-03-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: JM/BR DATE: 13-03-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: DATE:
	DIAMETER: 0mm	STATUS: Draft data

CONTRACTOR: OPERATOR:

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	ROCK / SOIL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY / DENSITY	CLASSIFICATION	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
0.0	-0.5			Sandy SILT, with trace rootlets; dark brown. Soft; non-plastic; dry; [TOPSOIL].		S				
0.5	-1.0			Sandy SILT, with some gravel, with trace topsoil; light brown. Firm; non-plastic; dry; [FILL].	D					
1.0	-1.5			Sandy SILT; light brown. Firm; non-plastic; moist.		FM				
1.5	-2.0	▼		EOH: 2.00m	M					
2.0	-2.5									
2.5	-3.0									
3.0	-3.5									
3.5	-4.0									
4.0	-4.5									

REMARKS

SYMBOLS

- ▼ Standing Water Level
- ◁ Out flow
- ▷ In flow



HAND AUGER LOG

HA7.06

SHEET 6 OF 19

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM	SUB-LOCATION: Stage 7, Lot 79
PROJECT: 183970602	EASTING: 1928449.12	STARTED: 13-03-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607782.58	FINISHED: 13-03-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: JM/BR DATE: 13-03-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: DATE:
	DIAMETER: 0mm	STATUS: Final data

CONTRACTOR: OPERATOR:

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	ROCK / SOIL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY / DENSITY	CLASSIFICATION	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
0.0	-0.5		TS	Silty SAND, with trace rootlets; dark brown. Soft; non-plastic; dry; [TOPSOIL].		S				
0.5	-1.0			Sandy SILT, with some gravel, with trace topsoil; brown, grey mottle. Firm; dry; [FILL].	D	FM			● FSV: 0.80m 44/17kPa	
1.0	-1.5			Sandy SILT; light brown. Non-plastic; moist.						
1.5	-2.0	▼		EOH: 1.90m	M					
2.0	-2.5									
2.5	-3.0									
3.0	-3.5									
3.5	-4.0									
4.0	-4.5									

REMARKS

- SYMBOLS
- ▼ Standing Water Level
 - ◁ Out flow
 - ▷ In flow



HAND AUGER LOG

HA7.07

SHEET 7 OF 19

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM	SUB-LOCATION: Stage 7, Lot 80
PROJECT: 183970602	EASTING: 1928435.16	STARTED: 13-03-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607769.84	FINISHED: 13-03-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: JM/BR DATE: 13-03-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: DATE:
	DIAMETER: 0mm	STATUS: Final data

CONTRACTOR: OPERATOR:

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	ROCK / SOIL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY / DENSITY	CLASSIFICATION	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
0.0	-0.5			Sandy SILT, with trace rootlets; dark brown, orange mottle. Soft; non-plastic; dry.		S				
0.5	-1.0			Sandy SILT, with some gravel; light brown. Firm; non-plastic; dry; [FILL].	D					
1.0	-1.5			Sandy SILT; light brown. Firm; non-plastic; moist.		FM				
1.5	-2.0			EOH: 1.90m	M					
2.0	-2.5									
2.5	-3.0									
3.0	-3.5									
3.5	-4.0									
4.0	-4.5									
4.5										

REMARKS

SYMBOLS

- Standing Water Level
- Out flow
- In flow

RDCL

8/308 QUEEN ST EAST, HASTINGS | PO BOX 28057, HAVELOCK NORTH 4130 | NEW ZEALAND
 Ph: +64 6 8771652 | Email: info@rdcl.co.nz



HAND AUGER LOG

HA7.08

SHEET 8 OF 19

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM	SUB-LOCATION: Stage 7, Lot 85
PROJECT: 183970602	EASTING:	STARTED: 13-05-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING:	FINISHED: 13-05-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: JM DATE: 13-05-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: DATE:
	DIAMETER: 0mm	STATUS: Draft data

CONTRACTOR: _____ OPERATOR: _____

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	ROCK / SOIL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY / DENSITY	CLASSIFICATION	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
0.5				Sandy SILT; dark brown. Soft; non-plastic; dry; [TOPSOIL].						
				Sandy SILT, with trace gravel; dark brown with light brown patches. Soft; non-plastic; dry; [FILL].						
				Sandy SILT, with trace clay; light brown. Soft; non-plastic; dry; becoming moist @ 1.1m.	D	S				
1.0				EOH: 1.20m					<ul style="list-style-type: none"> ● FSV: 1.00m 103/52kPa ● FSV: 1.20m UTP 	
1.5										
2.0										
2.5										
3.0										
3.5										
4.0										
4.5										

REMARKS

SYMBOLS

- ▼ Standing Water Level
- ◁ Out flow
- ▷ In flow



HAND AUGER LOG

HA7.09

SHEET 9 OF 19

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM	SUB-LOCATION: Stage 7, Lot 86
PROJECT: 183970602	EASTING:	STARTED: 13-05-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING:	FINISHED: 13-05-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: JM DATE: 13-05-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: DATE:
	DIAMETER: 0mm	STATUS: Draft data

CONTRACTOR: _____ OPERATOR: _____

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	ROCK / SOIL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY / DENSITY	CLASSIFICATION	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
0.0				Sandy SILT, with trace rootlets; dark brown. Soft; non-plastic; dry; [TOPSOIL].		S				
0.5				Sandy SILT; dark brown with light brown patches. Firm; non-plastic; dry; [FILL].	D	FM			● FSV: 0.75m 80/47kPa	
1.0				SILT, with minor topsoil, with trace clay; light brown. Firm; low plasticity; dry; [FILL].						
1.0				SAND, with some silt; light brown, orange mottle @ 1.2m. Loose; sand, fine to medium; trace clay @ 1.3m.		L				
1.5				EOH: 1.30m						
2.0										
2.5										
3.0										
3.5										
4.0										
4.5										

REMARKS

- SYMBOLS
- ▼ Standing Water Level
 - ⇐ Out flow
 - ▷ In flow



HAND AUGER LOG

HA7.10

SHEET 10 OF 19

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM	SUB-LOCATION: Stage 7, Lot 87
PROJECT: 183970602	EASTING:	STARTED: 13-05-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING:	FINISHED: 13-05-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: JM DATE: 13-05-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: DATE:
	DIAMETER: 0mm	STATUS: Draft data

CONTRACTOR: OPERATOR:

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	ROCK / SOIL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY / DENSITY	CLASSIFICATION	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
0.0			TS	Sandy SILT, with trace rootlets; dark brown. Soft; non-plastic; dry; [TOPSOIL].		S				
0.5				Sandy SILT; dark brown with light brown patches. Firm; non-plastic; dry; [FILL].	D	FM				
1.0				SILT, with trace clay; light brown. Firm; low plasticity; dry; [FILL].						
1.0				SAND, with some silt; light brown, orange mottle from 1.1m. Loose to firm.		L - FM				
1.5				EOH: 1.20m						
2.0										
2.5										
3.0										
3.5										
4.0										
4.5										

REMARKS

- SYMBOLS
- ▼ Standing Water Level
 - ⇐ Out flow
 - ▷ In flow



HAND AUGER LOG

HA7.11

SHEET 11 OF 19

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM	SUB-LOCATION: Stage 7, Lot 88
PROJECT: 183970602	EASTING:	STARTED: 13-05-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING:	FINISHED: 13-05-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: JM DATE: 13-05-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: DATE:
	DIAMETER: 0mm	STATUS: Draft data

CONTRACTOR: _____ OPERATOR: _____

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	ROCK / SOIL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY / DENSITY	CLASSIFICATION	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
0.5				Sandy SILT, with trace rootlets; dark brown. Soft; non-plastic; dry; [TOPSOIL].	D	S				
				Sandy SILT, with trace topsoil; light brown. Firm; non-plastic; dry; [FILL].		FM				
				SILT, with some clay, with trace gravel; light brown . Soft; dry; gravel becoming more abundant with depth.		S				
1.0				EOH: 1.00m						
1.5										
2.0										
2.5										
3.0										
3.5										
4.0										
4.5										

REMARKS

- SYMBOLS
- ▼ Standing Water Level
 - ⇐ Out flow
 - ▷ In flow



HAND AUGER LOG

HA7.12

SHEET 12 OF 19

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM	SUB-LOCATION: Stage 7, Lot 89
PROJECT: 183970602	EASTING:	STARTED: 13-05-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING:	FINISHED: 13-05-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: JM DATE: 13-05-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: DATE:
	DIAMETER: 0mm	STATUS: Draft data

CONTRACTOR: _____ OPERATOR: _____

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	ROCK / SOIL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY / DENSITY	CLASSIFICATION	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
0.0				Sandy SILT, with trace rootlets; dark brown. Soft; non-plastic; dry; [TOPSOIL].						
0.5				SILT, with some gravel, with trace clay; light brown . Soft; non-plastic; dry; [FILL] gravel becoming more abundant with depth.	D	S				
1.0				Sandy SILT; light brown, orange mottle. Non-plastic; dry to moist; becoming moist @ 1.2m.	D - M					
1.5			EOH: 1.20m							
2.0										
2.5										
3.0										
3.5										
4.0										
4.5										

REMARKS

SYMBOLS

- ▼ Standing Water Level
- ⇐ Out flow
- ▷ In flow



HAND AUGER LOG

HA7.13

SHEET 13 OF 19

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM	SUB-LOCATION: Stage 7, Lot 82
PROJECT: 183970602	EASTING:	STARTED: 16-05-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING:	FINISHED: 16-05-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: JM DATE: 16-05-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: DATE:
	DIAMETER: 0mm	STATUS: Draft data

CONTRACTOR: _____ OPERATOR: _____

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	ROCK / SOIL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY / DENSITY	CLASSIFICATION	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
0.0				Sandy SILT, with trace rootlets; dark brown. Non-plastic; dry; [TOPSOIL].	D					
0.5				Sandy SILT, with trace clay; light brown. Soft to firm; low plasticity; dry; [FILL].		S - FM			● FSV: 0.70m 62/41kPa	
0.75				SILT, with some sand; light brown . Soft; non-plastic; moist.		S				
1.0				SAND, with some silt; light brown . Loose; moist; sand, fine to medium.	M	L				
1.25				Sandy SILT; light brown, orange mottle. Non-plastic; moist.						
1.5				Silty SAND; brown, orange mottle. Loose to dense; moist to wet; sand, fine.	M - W	L - D				
2.0				EOH: 2.00m						
2.5										
3.0										
3.5										
4.0										
4.5										

REMARKS

- SYMBOLS
- ▼ Standing Water Level
 - ◁ Out flow
 - ▷ In flow



HAND AUGER LOG

HA7.14

SHEET 14 OF 19

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM	SUB-LOCATION: Stage 7, Lot 83
PROJECT: 183970602	EASTING:	STARTED: 16-05-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING:	FINISHED: 01-05-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: JM DATE: 16-05-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: DATE:
	DIAMETER: 0mm	STATUS: Draft data

CONTRACTOR: _____ OPERATOR: _____

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	ROCK / SOIL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY / DENSITY	CLASSIFICATION	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
0.0				Sandy SILT; dark brown . Soft; dry; [TOPSOIL].	D					
0.5				Sandy SILT, with some topsoil; light brown. Soft; non-plastic; [FILL].		S				
1.0				Silty SAND; light brown. Loose; moist.	M	L				
1.5				Sandy SILT, with trace clay; light brown. Wet.						
2.0				EOH: 2.00m	W					
2.5										
3.0										
3.5										
4.0										
4.5										

REMARKS

- SYMBOLS
- Standing Water Level
 - Out flow
 - In flow



HAND AUGER LOG

HA7.15

SHEET 15 OF 19

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM	SUB-LOCATION: Stage 7, Lot 84
PROJECT: 183970602	EASTING:	STARTED: 16-05-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING:	FINISHED: 16-05-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: JM DATE: 16-05-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: DATE:
	DIAMETER: 0mm	STATUS: Draft data

CONTRACTOR: _____ OPERATOR: _____

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	ROCK / SOIL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY / DENSITY	CLASSIFICATION	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
0.0				Silty SAND; dark brown. Loose; non-plastic; dry; [TOPSOIL].	D	L				
0.5				Sandy SILT, with some topsoil; light brown. Firm; non-plastic; moist; [FILL].			M			
1.0				Sandy SILT; light brown . Firm; non-plastic; moist.			FM			
1.5				Sandy SILT, with some clay; light brown . Firm; low plasticity; wet.			W			
2.0				EOH: 2.10m						
2.5										
3.0										
3.5										
4.0										
4.5										

REMARKS

- SYMBOLS
- Standing Water Level
 - Out flow
 - In flow



HAND AUGER LOG

HA7.16

SHEET 16 OF 19

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM	SUB-LOCATION: Stage 7, Lot 90
PROJECT: 183970602	EASTING:	STARTED: 16-05-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING:	FINISHED: 16-05-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: JM DATE: 16-05-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: DATE:
	DIAMETER: 0mm	STATUS: Draft data

CONTRACTOR: _____ OPERATOR: _____

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	ROCK / SOIL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY / DENSITY	CLASSIFICATION	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
0.0			TS	Sandy SILT, with trace rootlets; dark brown. Soft; non-plastic; dry; [TOPSOIL].	D	S				
0.5				Sandy SILT, with some topsoil; light brown. Soft; non-plastic; dry; [FILL].						
				SILT, with some sand, with trace gravel. Firm; non-plastic; moist; [FILL].	M	FM				
1.0				EOH: 0.75m						
1.5										
2.0										
2.5										
3.0										
3.5										
4.0										
4.5										

REMARKS

- SYMBOLS
- ▼ Standing Water Level
 - ⇐ Out flow
 - ▷ In flow



HAND AUGER LOG

HA7.17

SHEET 17 OF 19

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM	SUB-LOCATION: Stage 7, Lot 91
PROJECT: 183970602	EASTING:	STARTED: 16-05-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING:	FINISHED: 16-05-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: JM DATE: 16-05-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: DATE:
	DIAMETER: 0mm	STATUS: Draft data

CONTRACTOR: _____ OPERATOR: _____

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	ROCK / SOIL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY / DENSITY	CLASSIFICATION	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
0.0 - 0.5				TOPSOIL. Removed by digger.						
0.5 - 1.0				Sandy SILT, with some topsoil and gravel; light brown. Soft; non-plastic; moist; [FILL].	M	S				
1.0 - 1.5				Sandy SILT, with trace clay; brown . Soft; low plasticity; moist. EOH: 1.30m						
1.5 - 2.0										
2.0 - 2.5										
2.5 - 3.0										
3.0 - 3.5										
3.5 - 4.0										
4.0 - 4.5										

REMARKS

- SYMBOLS
- ▼ Standing Water Level
 - ⇐ Out flow
 - ▷ In flow



HAND AUGER LOG

HA7.18

SHEET 18 OF 19

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM	SUB-LOCATION: Stage 7, Lot 66
PROJECT: 183970602	EASTING:	STARTED: 16-05-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING:	FINISHED: 16-05-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: JM DATE: 16-05-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: DATE:
	DIAMETER: 0mm	STATUS: Draft data

CONTRACTOR: _____ OPERATOR: _____

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	ROCK / SOIL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY / DENSITY	CLASSIFICATION	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
			TS	Sandy SILT; dark brown. Soft; non-plastic; dry; [Topsoil].						
0.5				Sandy SILT, with trace topsoil; light brown . Soft; dry; [FILL] gravel layer.	D	S				
1.0				Sandy SILT, with trace clay. Soft to firm; moist to wet.	M - W	S - FM				
				EOH: 1.40m						
1.5										
2.0										
2.5										
3.0										
3.5										
4.0										
4.5										

REMARKS

- SYMBOLS
- ▼ Standing Water Level
 - ⇐ Out flow
 - ▷ In flow



HAND AUGER LOG

HA7.19

SHEET 19 OF 19

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM	SUB-LOCATION: Stage 7, Lot 65
PROJECT: 183970602	EASTING:	STARTED: 16-05-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING:	FINISHED: 16-05-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: JM DATE: 16-05-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: DATE:
	DIAMETER: 0mm	STATUS: Draft data

CONTRACTOR: _____ OPERATOR: _____

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	ROCK / SOIL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY / DENSITY	CLASSIFICATION	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
0.5				Sandy SILT; dark brown . Soft; non-plastic; dry; [Topsoil].	D	S				
				Sandy SILT, with some topsoil; light brown. Dense; non-plastic; dry; [FILL] gravel @ 0.5.		D				
				Sandy SILT; dark brown. Soft; non-plastic; [Topsoil].		S				
				Sandy SILT, with trace topsoil; light brown. Firm; dry; [FILL].	D	FM				
1.0				SILT, with some sand; light brown. Soft; low plasticity; moist.	M	S				
1.5				EOH: 1.20m						
2.0										
2.5										
3.0										
3.5										
4.0										
4.5										

REMARKS

SYMBOLS

- Standing Water Level
- Out flow
- In flow



DCP LOG

DCP7.01

SHEET 1 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 67
PROJECT: 183970602	EASTING: 1928629.06	STARTED: 13-03-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607892.36	FINISHED: 13-03-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: BR/VE DATE: 13-03-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
		roundwater Not Encountered			4 8 12 16		
0.5	-0.5			2			
				4			
				5			
				4			
				4			
				9			
				26	>>		
1.0	-1.0						
1.5	-1.5						
2.0	-2.0						
2.5	-2.5						
3.0	-3.0						
3.5	-3.5						
4.0	-4.0						
4.5	-4.5						

REMARKS
Soils tested in accordance with NZGS

- SYMBOLS**
- ▼ Standing Water Level
 - ◁ Out flow
 - ▷ In flow

Produced with Core-GS by Geotec

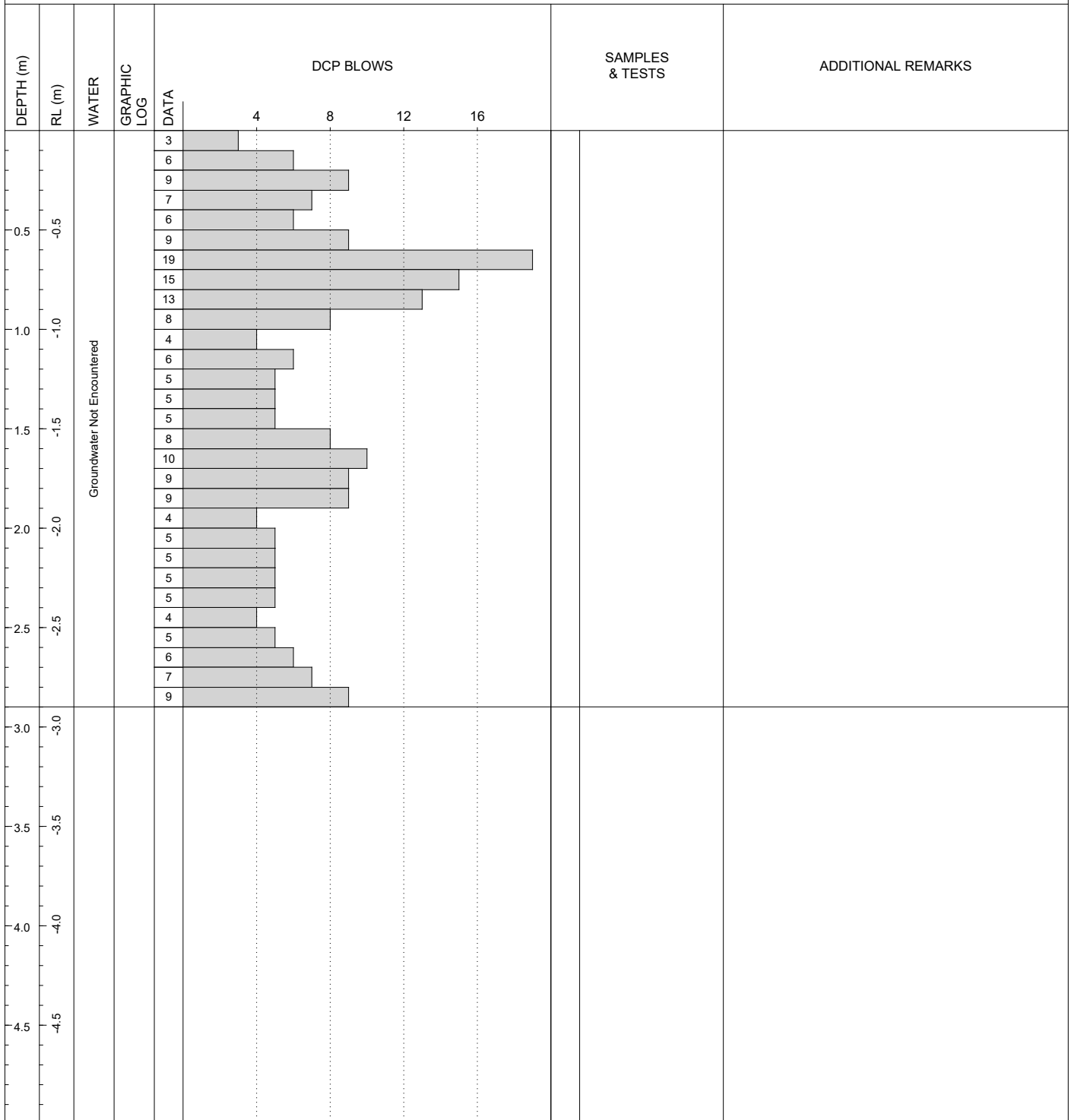


DCP LOG

DCP7.02

SHEET 2 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 67
PROJECT: 183970602	EASTING: 1928633.20	STARTED: 13-03-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607883.33	FINISHED: 13-03-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: BR/VE DATE: 13-03-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data



REMARKS Soils tested in accordance with NZGS	SYMBOLS ▼ Standing Water Level ◁ Out flow ▷ In flow
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DCP LOG

DCP7.03

SHEET 3 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 67
PROJECT: 183970602	EASTING: 1928620.07	STARTED: 13-03-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607876.11	FINISHED: 13-03-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: BR/VE DATE: 13-03-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
				4 8 12 16		
0.5	-0.5	Groundwater Not Encountered		5		
			3			
			5			
			10			
			14			
			13			
			9			
			7			
			9			
			6			
			10			
			6			
			7			
			5			
			6			
			8			
			8			
			7			
			4			
			5			
		7				
		5				
		5				
		6				
		5				
		8				
		7				
		6				
		5				
3.0	-3.0					
3.5	-3.5					
4.0	-4.0					
4.5	-4.5					

REMARKS Soils tested in accordance with NZGS	SYMBOLS ▼ Standing Water Level ◁ Out flow ▷ In flow
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DCP LOG

DCP7.04

SHEET 4 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 67
PROJECT: 183970602	EASTING: 1928614.58	STARTED: 13-03-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607882.71	FINISHED: 13-03-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: BR/VE DATE: 13-03-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
					4 8 12 16		
0.3		Groundwater Not Encountered		3			
0.4				3			
0.5				4			
0.6				3			
0.7				8			
0.8				14			
0.9				18			
1.0				11			
1.1				15			
1.2				11			
1.3				11			
1.4				8			
1.5				8			
1.6				10			
1.7				10			
1.8				11			
1.9				7			
2.0				7			
2.1			7				

REMARKS
Soils tested in accordance with NZGS

SYMBOLS

- ▼ Standing Water Level
- ◁ Out flow
- ▷ In flow

Produced with Core-GS by Geotec



DCP LOG

DCP7.05

SHEET 5 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 68
PROJECT: 183970602	EASTING: 1928611.57	STARTED: 14-03-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607892.00	FINISHED: 14-03-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: MD DATE: 14-03-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
					4 8 12 16		
		undwater Not Encounte		3			
				6			
				5			
				4			
0.5	-0.5			24	>>		
				37	>>		
1.0	-1.0						
1.5	-1.5						
2.0	-2.0						
2.5	-2.5						
3.0	-3.0						
3.5	-3.5						
4.0	-4.0						
4.5	-4.5						

REMARKS
Soils tested in accordance with NZGS

SYMBOLS

- ▼ Standing Water Level
- ◁ Out flow
- ▷ In flow



DCP LOG

DCP7.06

SHEET 6 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 68
PROJECT: 183970602	EASTING: 1928622.70	STARTED: 14-03-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607901.00	FINISHED: 14-03-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: MD DATE: 14-03-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
					4 8 12 16		
0.5	-0.5	undwater Not Encounte		6 5 6 7 9 12			
1.0	-1.0			+8 Double bounce			
1.5	-1.5						
2.0	-2.0						
2.5	-2.5						
3.0	-3.0						
3.5	-3.5						
4.0	-4.0						
4.5	-4.5						

REMARKS
Soils tested in accordance with NZGS

SYMBOLS

- ▼ Standing Water Level
- ◁ Out flow
- ▷ In flow

Produced with Core-GS by Geac



DCP LOG

DCP7.07

SHEET 7 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 68
PROJECT: 183970602	EASTING: 1928615.63	STARTED: 14-03-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607907.55	FINISHED: 14-03-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: MD DATE: 14-03-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
					4 8 12 16		
0.5	-0.5	Water Not Encountered		2			
				2			
				6			
				37	>>		
1.0	-1.0						
1.5	-1.5						
2.0	-2.0						
2.5	-2.5						
3.0	-3.0						
3.5	-3.5						
4.0	-4.0						
4.5	-4.5						

REMARKS
Soils tested in accordance with NZGS

- SYMBOLS**
- ▼ Standing Water Level
 - ⇐ Out flow
 - ▷ In flow



DCP LOG

DCP7.08

SHEET 8 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 68
PROJECT: 183970602	EASTING: 1928604.40	STARTED: 14-03-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607894.59	FINISHED: 14-03-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: MD DATE: 14-03-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS	
					4 8 12 16			
		Water Not Entered		3				
				3				
				15				
				+5 Double bounce				
0.5	-0.5							
1.0	-1.0							
1.5	-1.5							
2.0	-2.0							
2.5	-2.5							
3.0	-3.0							
3.5	-3.5							
4.0	-4.0							
4.5	-4.5							

REMARKS
Soils tested in accordance with NZGS

- SYMBOLS**
- ▼ Standing Water Level
 - ◁ Out flow
 - ▷ In flow

Produced with Core-GS by Geac



DCP LOG

DCP7.09

SHEET 9 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 69
PROJECT: 183970602	EASTING: 1928601.00	STARTED: 14-03-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607903.22	FINISHED: 14-03-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: MD DATE: 14-03-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
		water Not Encou			4 8 12 16		
				4			
				5			
				10			
				24	>>		
-0.5	-0.5			+12 Double bounce			
-1.0	-1.0						
-1.5	-1.5						
-2.0	-2.0						
-2.5	-2.5						
-3.0	-3.0						
-3.5	-3.5						
-4.0	-4.0						
-4.5	-4.5						

REMARKS
Soils tested in accordance with NZGS

- SYMBOLS**
- ▼ Standing Water Level
 - ◁ Out flow
 - ▷ In flow



DCP LOG

DCP7.10

SHEET 10 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 69
PROJECT: 183970602	EASTING: 1928612.82	STARTED: 14-03-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607913.53	FINISHED: 14-03-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: MD DATE: 14-03-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS				SAMPLES & TESTS	ADDITIONAL REMARKS	
					4	8	12	16			
		Water Not Entered		3							
				6							
				21	>>						
				+5 Double Bounce							
0.5	-0.5										
1.0	-1.0										
1.5	-1.5										
2.0	-2.0										
2.5	-2.5										
3.0	-3.0										
3.5	-3.5										
4.0	-4.0										
4.5	-4.5										

REMARKS
Soils tested in accordance with NZGS

- SYMBOLS**
- ▼ Standing Water Level
 - ◁ Out flow
 - ▷ In flow



DCP LOG

DCP7.100

SHEET 11 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 91
PROJECT: 183970602	EASTING:	STARTED: 14-03-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING:	FINISHED: 14-03-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: VE/BR DATE: 14-05-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 0°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
			DATA	4 8 12 16		
0.0			4	4		
0.1			3	3		
0.2			3	3		
0.3			6	6		
0.4			9	9		
0.5			13	13		
0.6			8	8		
0.7			7	7		
0.8			5	5		
0.9			4	4		
1.0			7	7		
1.1			6	6		
1.2			6	6		
1.3			5	5		
1.4			6	6		
1.5			9	9		
1.6			7	7		
1.7			4	4		
1.8			4	4		
1.9			3	3		
2.0			4	4		
2.1			4	4		
2.2			5	5		
2.3			4	4		
2.4			6	6		
2.5			8	8		
2.6			8	8		
2.7			7	7		
2.8			10	10		
3.0						
3.5						
4.0						
4.5						

REMARKS
Soils tested in accordance with NZGS

- SYMBOLS**
- ▼ Standing Water Level
 - ◁ Out flow
 - ▷ In flow

Produced with Core-GS by Geotec



DCP LOG

DCP7.101

SHEET 12 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 66
PROJECT: 183970602	EASTING:	STARTED: 14-03-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING:	FINISHED: 14-03-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: VE/BR DATE: 14-05-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 0°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
					4 8 12 16		
0.3				3			
0.4				4			
0.5				10			
0.6				7			
0.7				8			
0.8				6			
0.9				7			
1.0				7			
1.1				6			
1.2				8			
1.3				6			
1.4				5			
1.5				5			
1.6				7			
1.7				5			
1.8				5			
1.9				6			
2.0				6			
2.1				4			
2.2				4			
2.3				5			
2.4				6			
2.5				5			
2.6				4			
2.7				4			
2.8				5			
2.9				6			
3.0				8			

REMARKS Soils tested in accordance with NZGS	SYMBOLS ▼ Standing Water Level ◁ Out flow ▷ In flow
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DCP LOG

DCP7.102

SHEET 13 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 66
PROJECT: 183970602	EASTING:	STARTED: 14-03-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING:	FINISHED: 14-03-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: VE/BR DATE: 14-05-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 0°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
			DATA	4 8 12 16		
0.3			3			
0.3			3			
0.5		Groundwater Not Encountered	13			
0.5	9					
0.5	9					
0.5	7					
0.5	6					
0.5	8					
0.5	8					
0.5	10					
0.5	7					
0.5	5					
0.5	8					
0.5	8					
0.5	8					
0.5	7					
0.5	4					
0.5	6					
0.5	6					
0.5	5					
0.5	5					
0.5	4					
0.5	6					
0.5	8					
0.5	5					
0.5	6					
0.5	6					
0.5	7					
0.5	8					
1.0						
1.5						
2.0						
2.5						
3.0						
3.5						
4.0						
4.5						

REMARKS Soils tested in accordance with NZGS	SYMBOLS ▼ Standing Water Level ◁ Out flow ▷ In flow
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DCP LOG

DCP7.103

SHEET 14 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 66
PROJECT: 183970602	EASTING:	STARTED: 14-03-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING:	FINISHED: 14-03-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: VE/BR DATE: 14-05-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 0°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
					4 8 12 16		
0.0				4			
0.1				3			
0.2				6			
0.3				7			
0.4				5			
0.5				4			
0.6				4			
0.7				3			
0.8				4			
0.9				5			
1.0				4			
1.1				5			
1.2				6			
1.3				5			
1.4				5			
1.5				3			
1.6				3			
1.7				3			
1.8				2			
1.9				3			
2.0				3			
2.1				3			
2.2				3			
2.3				4			
2.4				4			
2.5				5			
2.6				4			
2.7				7			
2.8				8			
3.0							
3.5							
4.0							
4.5							

REMARKS
Soils tested in accordance with NZGS

SYMBOLS
 ▼ Standing Water Level
 ◁ Out flow
 ▷ In flow

Produced with Core-GS by Geotec



DCP LOG

DCP7.104

SHEET 15 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 66
PROJECT: 183970602	EASTING:	STARTED: 14-03-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING:	FINISHED: 14-03-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: VE/BR DATE: 14-05-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 0°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
					4 8 12 16		
0.5		Groundwater Not Encountered		5	4		
			4	4			
			6	4			
			4	4			
			4	4			
			3	4			
			8	4			
			5	4			
			7	4			
1.0			6	4			
			6	4			
			4	4			
			5	4			
			4	4			
			4	4			
			4	4			
			6	4			
			5	4			
			5	4			
			4	4			
		3	4				
2.5		3	4				
		3	4				
		3	4				
		4	4				
		5	4				
3.0							
3.5							
4.0							
4.5							

REMARKS Soils tested in accordance with NZGS	SYMBOLS ▼ Standing Water Level ◁ Out flow ▷ In flow
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DCP LOG

DCP7.105

SHEET 16 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 65
PROJECT: 183970602	EASTING:	STARTED: 14-03-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING:	FINISHED: 14-03-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: VE/BR DATE: 14-05-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 0°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DCP BLOWS				SAMPLES & TESTS	ADDITIONAL REMARKS
				DATA	4	8	12		
0.2				2					
0.3				3					
0.4				7					
0.5				6					
0.6				4					
0.7				3					
0.8				7					
0.9				8					
1.0				8					
1.1				6					
1.2				6					
1.3				6					
1.4				8					
1.5				4					
1.6				4					
1.7				4					
1.8				7					
1.9				5					
2.0				6					
2.1				5					
2.2				5					
2.3				6					
2.4				6					
2.5				4					
2.6				6					
2.7				6					
2.8				5					
2.9				5					
3.0				6					
3.1				6					

REMARKS
Soils tested in accordance with NZGS

SYMBOLS
 ▼ Standing Water Level
 ◁ Out flow
 ▷ In flow

Produced with Core-GS by Geotec



DCP LOG

DCP7.106

SHEET 17 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 65
PROJECT: 183970602	EASTING:	STARTED: 14-03-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING:	FINISHED: 14-03-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: VE/BR DATE: 14-05-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 0°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DCP BLOWS				SAMPLES & TESTS	ADDITIONAL REMARKS
				DATA	4	8	12		
0.0				3					
0.1				4					
0.2				4					
0.3				3					
0.4				2					
0.5		Groundwater Not Encountered		4					
0.6			8						
0.7			6						
0.8			9						
0.9			8						
1.0			9						
1.1			7						
1.2			7						
1.3			7						
1.4			6						
1.5			7						
1.6			7						
1.7			5						
1.8			6						
1.9			5						
2.0			5						
2.1			7						
2.2			7						
2.3			6						
2.4			5						
2.5		6							
2.6		7							
2.7		7							
2.8		8							
2.9									
3.0									
3.5									
4.0									
4.5									

REMARKS
Soils tested in accordance with NZGS

SYMBOLS

- ▼ Standing Water Level
- ◁ Out flow
- ▷ In flow

Produced with Core-GS by Geotec



DCP LOG

DCP7.107

SHEET 18 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 65
PROJECT: 183970602	EASTING:	STARTED: 14-03-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING:	FINISHED: 14-03-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: VE/BR DATE: 14-05-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 0°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DCP BLOWS				SAMPLES & TESTS	ADDITIONAL REMARKS
				DATA	4	8	12		
0.0				4					
0.1				2					
0.2				4					
0.3				3					
0.4				3					
0.5				3					
0.6				2					
0.7				3					
0.8				3					
0.9				3					
1.0				3					
1.1				6					
1.2				5					
1.3				3					
1.4				4					
1.5				4					
1.6				3					
1.7				3					
1.8				2					
1.9				1					
2.0				2					
2.1				3					
2.2				4					
2.3				3					
2.4				3					
2.5				4					
2.6				5					
2.7				9					
2.8				9					
3.0									
3.5									
4.0									
4.5									

REMARKS
Soils tested in accordance with NZGS

SYMBOLS
 ▼ Standing Water Level
 ◁ Out flow
 ▷ In flow

Produced with Core-GS by Geotec



DCP LOG

DCP7.108

SHEET 19 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 65
PROJECT: 183970602	EASTING:	STARTED: 14-03-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING:	FINISHED: 14-03-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: VE/BR DATE: 14-05-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 0°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
					4 8 12 16		
0.3				3			
0.5				5			
0.7				3			
0.9				4			
1.1				3			
1.3				3			
1.5				3			
1.7				2			
1.9				3			
2.1				4			
2.3				6			
2.5				5			
2.7				5			
2.9				4			
3.1				4			
3.3				3			
3.5				3			
3.7				3			
3.9				2			
4.1				3			
4.3				4			
4.5				5			
4.7				5			
4.9				5			
5.1				10			
5.3				11			
5.5				14			
5.7				15			

REMARKS
Soils tested in accordance with NZGS

SYMBOLS
 ▼ Standing Water Level
 ◁ Out flow
 ▷ In flow

Produced with Core-GS by Geotec



DCP LOG

DCP7.11

SHEET 20 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 69
PROJECT: 183970602	EASTING: 1928607.44	STARTED: 14-03-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607916.69	FINISHED: 14-03-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: MD DATE: 14-03-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data

DEPTH (m)	RL (m)	Water Not Entered	GRAPHIC LOG	DATA	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
					4 8 12 16		
				4			
				6			
				12			
				+5 Double Bounce			
0.5	-0.5						
1.0	-1.0						
1.5	-1.5						
2.0	-2.0						
2.5	-2.5						
3.0	-3.0						
3.5	-3.5						
4.0	-4.0						
4.5	-4.5						

REMARKS
Soils tested in accordance with NZGS

SYMBOLS

- ▼ Standing Water Level
- ◁ Out flow
- ▷ In flow



DCP LOG

DCP7.12

SHEET 21 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 69
PROJECT: 183970602	EASTING: 1928596.35	STARTED: 14-03-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607908.18	FINISHED: 14-03-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: MD DATE: 14-03-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS	
		Water Not Entered			4 8 12 16			
				4				
				6				
				10				
				+5 Double bounce				
0.5	-0.5							
1.0	-1.0							
1.5	-1.5							
2.0	-2.0							
2.5	-2.5							
3.0	-3.0							
3.5	-3.5							
4.0	-4.0							
4.5	-4.5							

REMARKS
Soils tested in accordance with NZGS

- SYMBOLS**
- ▼ Standing Water Level
 - ◁ Out flow
 - ▷ In flow

Produced with Core-GS by Geac



DCP LOG

DCP7.13

SHEET 22 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 70
PROJECT: 183970602	EASTING: 1928588.94	STARTED: 14-03-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607896.36	FINISHED: 14-03-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: JM/BR/VE DATE: 14-03-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS	
					4 8 12 16			
0.5	-0.5	Water Not Encountered		4				
				6				
				9				
				12				
				+5 Double Bounce				
1.0	-1.0							
1.5	-1.5							
2.0	-2.0							
2.5	-2.5							
3.0	-3.0							
3.5	-3.5							
4.0	-4.0							
4.5	-4.5							

REMARKS
Soils tested in accordance with NZGS

SYMBOLS

- ▼ Standing Water Level
- ◁ Out flow
- ▷ In flow

Produced with Core-GS by Geac



DCP LOG

DCP7.14

SHEET 23 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 70
PROJECT: 183970602	EASTING: 1928597.93	STARTED: 14-03-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607883.91	FINISHED: 14-03-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: JM/BR/VE DATE: 14-03-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
		water Not Encou			4 8 12 16		
					4 7 6 9		
					+5 Double bounce		
0.5	-0.5						
1.0	-1.0						
1.5	-1.5						
2.0	-2.0						
2.5	-2.5						
3.0	-3.0						
3.5	-3.5						
4.0	-4.0						
4.5	-4.5						

REMARKS
Soils tested in accordance with NZGS

- SYMBOLS**
- ▼ Standing Water Level
 - ◁ Out flow
 - ▷ In flow

Produced with Core-GS by Geac

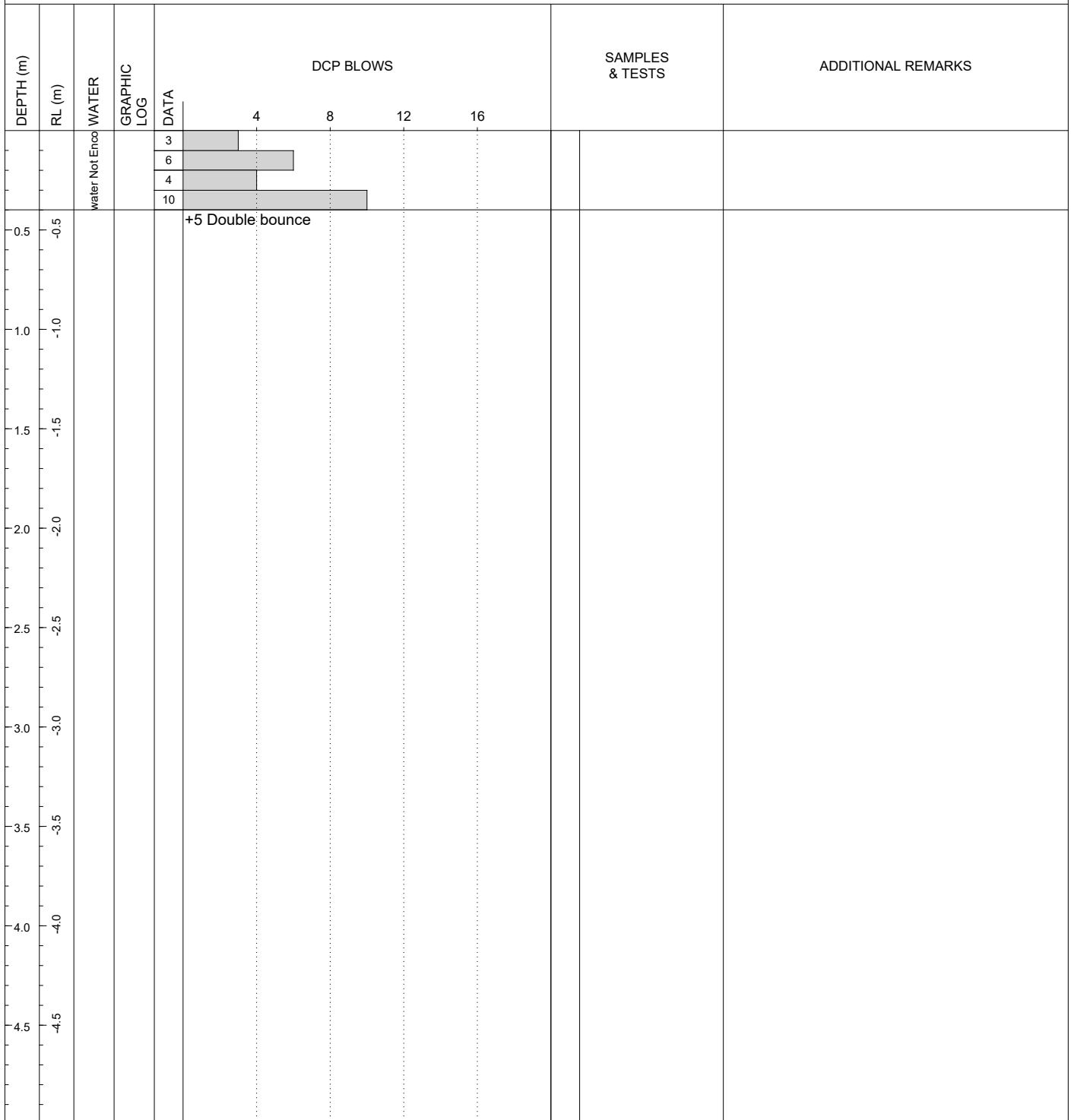


DCP LOG

DCP7.15

SHEET 24 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 70
PROJECT: 183970602	EASTING: 1928593.68	STARTED: 14-03-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607879.60	FINISHED: 14-03-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: JM/BR/VE DATE: 14-03-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data



REMARKS
Soils tested in accordance with NZGS

- SYMBOLS**
- ▼ Standing Water Level
 - ◁ Out flow
 - ▷ In flow



DCP LOG

DCP7.16

SHEET 25 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 70
PROJECT: 183970602	EASTING: 1928581.72	STARTED: 14-03-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607891.99	FINISHED: 14-03-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: JM/BR/VE DATE: 14-03-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS				SAMPLES & TESTS	ADDITIONAL REMARKS
					4	8	12	16		
		Water Not Entered		5						
				5						
				13						
				+5 Double bounce						
0.5	-0.5									
1.0	-1.0									
1.5	-1.5									
2.0	-2.0									
2.5	-2.5									
3.0	-3.0									
3.5	-3.5									
4.0	-4.0									
4.5	-4.5									

REMARKS
Soils tested in accordance with NZGS

- SYMBOLS**
- ▼ Standing Water Level
 - ◁ Out flow
 - ▷ In flow



DCP LOG

DCP7.17

SHEET 26 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 71
PROJECT: 183970602	EASTING: 1928573.20	STARTED: 14-03-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607885.40	FINISHED: 14-03-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: JM/BR/VE DATE: 14-03-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS				SAMPLES & TESTS	ADDITIONAL REMARKS
					4	8	12	16		
		or Not E		5						
				12	+5 Double bounce					
0.5	-0.5									
1.0	-1.0									
1.5	-1.5									
2.0	-2.0									
2.5	-2.5									
3.0	-3.0									
3.5	-3.5									
4.0	-4.0									
4.5	-4.5									

REMARKS
Soils tested in accordance with NZGS

- SYMBOLS**
- ▼ Standing Water Level
 - ◁ Out flow
 - ▷ In flow



DCP LOG

DCP7.18

SHEET 27 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 71
PROJECT: 183970602	EASTING: 1928582.08	STARTED: 14-03-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607871.79	FINISHED: 14-03-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: JM/BR/VE DATE: 14-03-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
		water Not Encou			4 8 12 16		
				4			
				4			
				6			
				11			
-0.5	-0.5			+ 5 Double bounce 50 mm			
-1.0	-1.0						
-1.5	-1.5						
-2.0	-2.0						
-2.5	-2.5						
-3.0	-3.0						
-3.5	-3.5						
-4.0	-4.0						
-4.5	-4.5						

REMARKS
Soils tested in accordance with NZGS

- SYMBOLS**
- ▼ Standing Water Level
 - ◁ Out flow
 - ▷ In flow

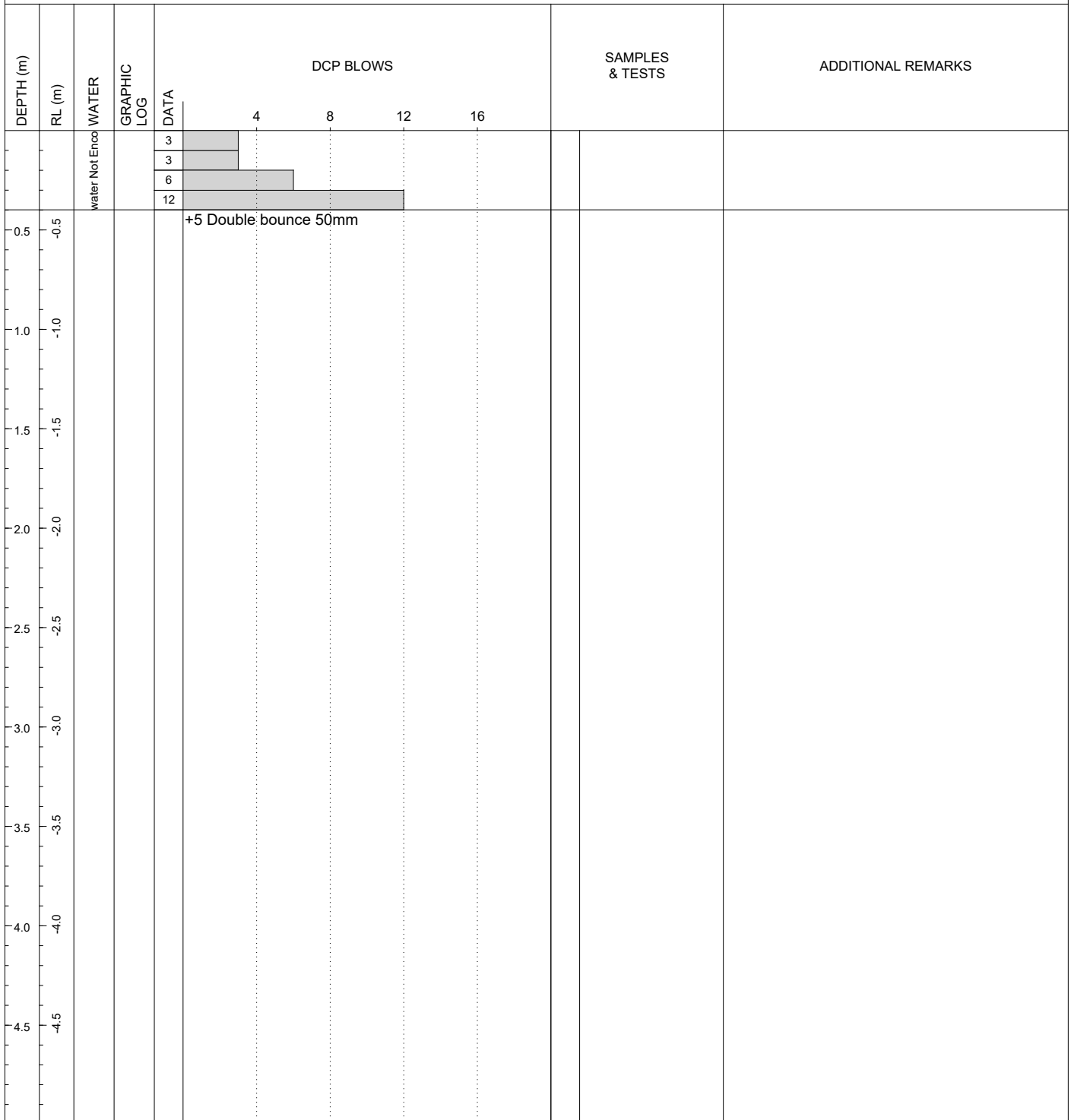


DCP LOG

DCP7.19

SHEET 28 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 71
PROJECT: 183970602	EASTING: 1928574.83	STARTED: 14-03-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607865.24	FINISHED: 14-03-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: JM/BR/VE DATE: 14-03-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data



REMARKS
Soils tested in accordance with NZGS

- SYMBOLS**
- ▼ Standing Water Level
 - ◁ Out flow
 - ▷ In flow

Produced with Core-GS by Geac



DCP LOG

DCP7.20

SHEET 29 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 71
PROJECT: 183970602	EASTING: 1928564.23	STARTED: 14-03-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607879.24	FINISHED: 14-03-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: JM/BR/VE DATE: 14-03-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS				SAMPLES & TESTS	ADDITIONAL REMARKS	
					4	8	12	16			
		Water Not Entered		2							
				18							
				21	>>						
0.5	-0.5			+5 Double bounce							
1.0	-1.0										
1.5	-1.5										
2.0	-2.0										
2.5	-2.5										
3.0	-3.0										
3.5	-3.5										
4.0	-4.0										
4.5	-4.5										

REMARKS
Soils tested in accordance with NZGS

- SYMBOLS**
- ▼ Standing Water Level
 - ◁ Out flow
 - ▷ In flow



DCP LOG

DCP7.21

SHEET 30 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 72
PROJECT: 183970602	EASTING: 1928556.88	STARTED: 14-03-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607873.04	FINISHED: 14-03-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: JM/BR/VE DATE: 14-03-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS	
					4 8 12 16			
		or Not E		5				
				17				
				+ 5 Double bounce				
0.5	-0.5							
1.0	-1.0							
1.5	-1.5							
2.0	-2.0							
2.5	-2.5							
3.0	-3.0							
3.5	-3.5							
4.0	-4.0							
4.5	-4.5							

REMARKS
Soils tested in accordance with NZGS

- SYMBOLS**
- ▼ Standing Water Level
 - ◁ Out flow
 - ▷ In flow

Produced with Core-GS by Geac



DCP LOG

DCP7.22

SHEET 31 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 72
PROJECT: 183970602	EASTING: 1928566.39	STARTED: 14-03-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607860.95	FINISHED: 14-03-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: JM/BR/VE DATE: 14-03-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
		water Not Encou			4 8 12 16		
				4			
				4			
				7			
				21	>>		
-0.5	-0.5			+ Double bounce			
-1.0	-1.0						
-1.5	-1.5						
-2.0	-2.0						
-2.5	-2.5						
-3.0	-3.0						
-3.5	-3.5						
-4.0	-4.0						
-4.5	-4.5						

REMARKS
Soils tested in accordance with NZGS

- SYMBOLS**
- ▼ Standing Water Level
 - ◁ Out flow
 - ▷ In flow

Produced with Core-GS by Geac



DCP LOG

DCP7.23

SHEET 32 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 72
PROJECT: 183970602	EASTING: 1928558.93	STARTED: 14-03-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607856.53	FINISHED: 14-03-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: JM/BR/VE DATE: 14-03-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS				SAMPLES & TESTS	ADDITIONAL REMARKS
					4	8	12	16		
		Water Not Entered		4						
				8						
				21			>>			
0.5	-0.5			+ Double bounce						
1.0	-1.0									
1.5	-1.5									
2.0	-2.0									
2.5	-2.5									
3.0	-3.0									
3.5	-3.5									
4.0	-4.0									
4.5	-4.5									

REMARKS
Soils tested in accordance with NZGS

- SYMBOLS**
- ▼ Standing Water Level
 - ◁ Out flow
 - ▷ In flow

Produced with Core-GS by Geac



DCP LOG

DCP7.24

SHEET 33 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 72
PROJECT: 183970602	EASTING: 1928550.52	STARTED: 14-03-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607870.33	FINISHED: 14-03-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: JM/BR/VE DATE: 14-03-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS				SAMPLES & TESTS	ADDITIONAL REMARKS	
					4	8	12	16			
		Water Not Ent		3							
				3							
				21	>>						
				+ Double bounce							
0.5	-0.5										
1.0	-1.0										
1.5	-1.5										
2.0	-2.0										
2.5	-2.5										
3.0	-3.0										
3.5	-3.5										
4.0	-4.0										
4.5	-4.5										

REMARKS
Soils tested in accordance with NZGS

- SYMBOLS**
- ▼ Standing Water Level
 - ◁ Out flow
 - ▷ In flow

Produced with Core-GS by Geotec

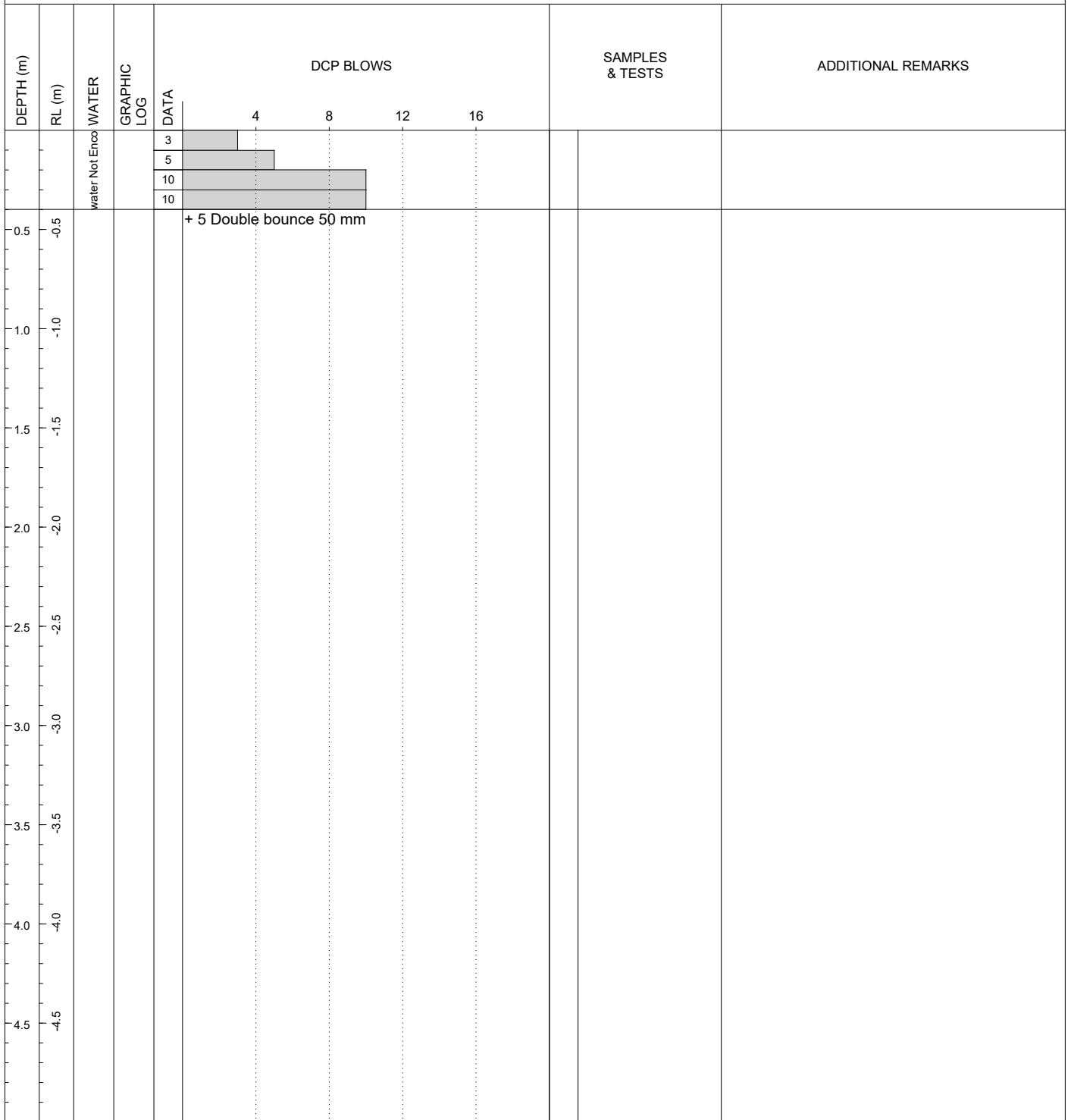


DCP LOG

DCP7.25

SHEET 34 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 73
PROJECT: 183970602	EASTING: 1928546.44	STARTED: 14-03-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607862.78	FINISHED: 14-03-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: JM/BR/VE DATE: 14-03-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data



REMARKS
Soils tested in accordance with NZGS

- SYMBOLS**
- ▼ Standing Water Level
 - ◁ Out flow
 - ▷ In flow

Produced with Core-GS by Geotec



DCP LOG

DCP7.26

SHEET 35 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 73
PROJECT: 183970602	EASTING: 1928551.81	STARTED: 14-03-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607850.65	FINISHED: 14-03-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: JM/BR/VE DATE: 14-03-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS				SAMPLES & TESTS	ADDITIONAL REMARKS
					4	8	12	16		
		or Not E		3						
				17	+ Double bounce					
0.5	-0.5									
1.0	-1.0									
1.5	-1.5									
2.0	-2.0									
2.5	-2.5									
3.0	-3.0									
3.5	-3.5									
4.0	-4.0									
4.5	-4.5									

REMARKS
Soils tested in accordance with NZGS

- SYMBOLS**
- ▼ Standing Water Level
 - ◁ Out flow
 - ▷ In flow



DCP LOG

DCP7.27

SHEET 36 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 73
PROJECT: 183970602	EASTING: 1928546.43	STARTED: 14-03-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607843.70	FINISHED: 14-03-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: JM/BR/VE DATE: 14-03-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data



REMARKS
Soils tested in accordance with NZGS

- SYMBOLS**
- ▼ Standing Water Level
 - ◁ Out flow
 - ▷ In flow

Produced with Core-GS by Geac



DCP LOG

DCP7.28

SHEET 37 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 73
PROJECT: 183970602	EASTING: 1928536.52	STARTED: 14-03-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607853.50	FINISHED: 14-03-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: JM/BR/VE DATE: 14-03-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DCP BLOWS				SAMPLES & TESTS	ADDITIONAL REMARKS
				4	8	12	16		
		Water Not Entered		4					
				4					
				12					
				+ Double bounce					
0.5	-0.5								
1.0	-1.0								
1.5	-1.5								
2.0	-2.0								
2.5	-2.5								
3.0	-3.0								
3.5	-3.5								
4.0	-4.0								
4.5	-4.5								

REMARKS
Soils tested in accordance with NZGS

SYMBOLS

- ▼ Standing Water Level
- ◁ Out flow
- ▷ In flow

Produced with Core-GS by Geac



DCP LOG

DCP7.29

SHEET 38 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 74
PROJECT: 183970602	EASTING: 1928527.91	STARTED: 14-03-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607848.19	FINISHED: 14-03-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: JM/BR/VE DATE: 14-03-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS				SAMPLES & TESTS	ADDITIONAL REMARKS
					4	8	12	16		
		or Not E		3						
				21		>>				
				+ Double bounce						
0.5	-0.5									
1.0	-1.0									
1.5	-1.5									
2.0	-2.0									
2.5	-2.5									
3.0	-3.0									
3.5	-3.5									
4.0	-4.0									
4.5	-4.5									

REMARKS
Soils tested in accordance with NZGS

- SYMBOLS**
- ▼ Standing Water Level
 - ◁ Out flow
 - ▷ In flow



DCP LOG

DCP7.30

SHEET 39 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 74
PROJECT: 183970602	EASTING: 1928537.94	STARTED: 14-03-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607839.16	FINISHED: 14-03-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: JM/BR/VE DATE: 14-03-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS	
					4 8 12 16			
		Water Not Entered		2				
				5				
				22	>>			
				+ 5 Double bounce				
0.5	-0.5							
1.0	-1.0							
1.5	-1.5							
2.0	-2.0							
2.5	-2.5							
3.0	-3.0							
3.5	-3.5							
4.0	-4.0							
4.5	-4.5							

REMARKS
Soils tested in accordance with NZGS

- SYMBOLS**
- ▼ Standing Water Level
 - ◁ Out flow
 - ▷ In flow

Produced with Core-GS by Geac



DCP LOG

DCP7.31

SHEET 40 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 74
PROJECT: 183970602	EASTING: 1928529.20	STARTED: 14-03-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607829.30	FINISHED: 14-03-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: JM/BR/VE DATE: 14-03-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS	
		Water Not Entered			4 8 12 16			
				4				
				7				
				10				
				+5 Double bounce				
0.5	-0.5							
1.0	-1.0							
1.5	-1.5							
2.0	-2.0							
2.5	-2.5							
3.0	-3.0							
3.5	-3.5							
4.0	-4.0							
4.5	-4.5							

REMARKS
Soils tested in accordance with NZGS

- SYMBOLS**
- ▼ Standing Water Level
 - ◁ Out flow
 - ▷ In flow

Produced with Core-GS by Geac



DCP LOG

DCP7.32

SHEET 41 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 74
PROJECT: 183970602	EASTING: 1928522.52	STARTED: 14-03-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607845.13	FINISHED: 14-03-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: JM/BR/VE DATE: 14-01-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DCP BLOWS				SAMPLES & TESTS	ADDITIONAL REMARKS
				4	8	12	16		
		water Not Encou							
				12					
				16					
				14					
				25		>>			
0.5	-0.5			+ Double bounce					
1.0	-1.0								
1.5	-1.5								
2.0	-2.0								
2.5	-2.5								
3.0	-3.0								
3.5	-3.5								
4.0	-4.0								
4.5	-4.5								

REMARKS
Soils tested in accordance with NZGS

- SYMBOLS**
- ▼ Standing Water Level
 - ◁ Out flow
 - ▷ In flow



DCP LOG

DCP7.33

SHEET 42 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 75
PROJECT: 183970602	EASTING: 1928514.08	STARTED: 14-03-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607837.81	FINISHED: 14-03-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: JM/BR/VE DATE: 14-03-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DCP BLOWS				SAMPLES & TESTS	ADDITIONAL REMARKS
				4	8	12	16		
		Water Not Entered		5					
				24		>>			
				21		>>			
				+ Double bounce					
0.5	-0.5								
1.0	-1.0								
1.5	-1.5								
2.0	-2.0								
2.5	-2.5								
3.0	-3.0								
3.5	-3.5								
4.0	-4.0								
4.5	-4.5								

REMARKS
Soils tested in accordance with NZGS

- SYMBOLS**
- ▼ Standing Water Level
 - ◁ Out flow
 - ▷ In flow



DCP LOG

DCP7.34

SHEET 43 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 75
PROJECT: 183970602	EASTING: 1928523.51	STARTED: 14-03-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607826.33	FINISHED: 14-03-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: JM/BR/VE DATE: 14-03-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS	
		water Not Encou			4 8 12 16			
				6				
				7				
				10				
				21	>>			
-0.5	-0.5			+ Double bounce				
-1.0	-1.0							
-1.5	-1.5							
-2.0	-2.0							
-2.5	-2.5							
-3.0	-3.0							
-3.5	-3.5							
-4.0	-4.0							
-4.5	-4.5							

REMARKS
Soils tested in accordance with NZGS

SYMBOLS

- ▼ Standing Water Level
- ◁ Out flow
- ▷ In flow



DCP LOG

DCP7.35

SHEET 44 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 75
PROJECT: 183970602	EASTING: 1928514.28	STARTED: 14-03-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607820.82	FINISHED: 14-03-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: JM/BR/VE DATE: 14-03-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS	
		Water Not Entered			4 8 12 16			
				4				
				7				
				22	>>			
				+ 8 Double bounce 50mm				
0.5	-0.5							
1.0	-1.0							
1.5	-1.5							
2.0	-2.0							
2.5	-2.5							
3.0	-3.0							
3.5	-3.5							
4.0	-4.0							
4.5	-4.5							

REMARKS
Soils tested in accordance with NZGS

- SYMBOLS**
- ▼ Standing Water Level
 - ◁ Out flow
 - ▷ In flow

Produced with Core-GS by Geac



DCP LOG

DCP7.36

SHEET 45 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 75
PROJECT: 183970602	EASTING: 1928506.02	STARTED: 14-03-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607834.64	FINISHED: 14-03-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: JM/BR/VE DATE: 14-03-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
					4 8 12 16		
		Water Not Entered		3			
				7			
				18			
				+ 10 Double bounce 50 mm			
0.5	-0.5						
1.0	-1.0						
1.5	-1.5						
2.0	-2.0						
2.5	-2.5						
3.0	-3.0						
3.5	-3.5						
4.0	-4.0						
4.5	-4.5						

REMARKS
Soils tested in accordance with NZGS

SYMBOLS

- ▼ Standing Water Level
- ◁ Out flow
- ▷ In flow

Produced with Core-GS by Geac



DCP LOG

DCP7.37

SHEET 46 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 76
PROJECT: 183970602	EASTING: 1928499.44	STARTED: 14-03-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607829.74	FINISHED: 14-03-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: JM/BR/VE DATE: 14-03-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS				SAMPLES & TESTS	ADDITIONAL REMARKS
					4	8	12	16		
0.0	-0.5	Groundwater Not Encountered		3						
0.1	-0.5		3							
0.2	-0.5		3							
0.3	-0.5		2							
0.4	-0.5		2							
0.5	-0.5		3							
0.6	-0.5		2							
0.7	-0.5		2							
0.8	-0.5		3							
0.9	-0.5		2							
1.0	-1.0		2							
1.1	-1.0		2							
1.2	-1.0		4							
1.5	-1.5									
2.0	-2.0									
2.5	-2.5									
3.0	-3.0									
3.5	-3.5									
4.0	-4.0									
4.5	-4.5									

REMARKS
Soils tested in accordance with NZGS

SYMBOLS

- ▼ Standing Water Level
- ◁ Out flow
- ▷ In flow

Produced with Core-GS by Geotec



DCP LOG

DCP7.38

SHEET 47 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 76
PROJECT: 183970602	EASTING: 1928506.86	STARTED: 14-03-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607816.00	FINISHED: 14-03-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: JM/BR DATE: 14-03-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
					4 8 12 16		
0.5	-0.5	Groundwater Not Encountered		5	4		
				4	4		
				4	4		
				3	4		
				4	4		
				3	4		
				4	4		
				2	4		
				3	4		
				3	4		
				4	4		
				4	4		
				4	4		
				5	4		
				6	4		
				6	4		
			8	4			
1.0	-1.0						
1.5	-1.5						
2.0	-2.0						
2.5	-2.5						
3.0	-3.0						
3.5	-3.5						
4.0	-4.0						
4.5	-4.5						

REMARKS Soils tested in accordance with NZGS	SYMBOLS ▼ Standing Water Level ◁ Out flow ▷ In flow
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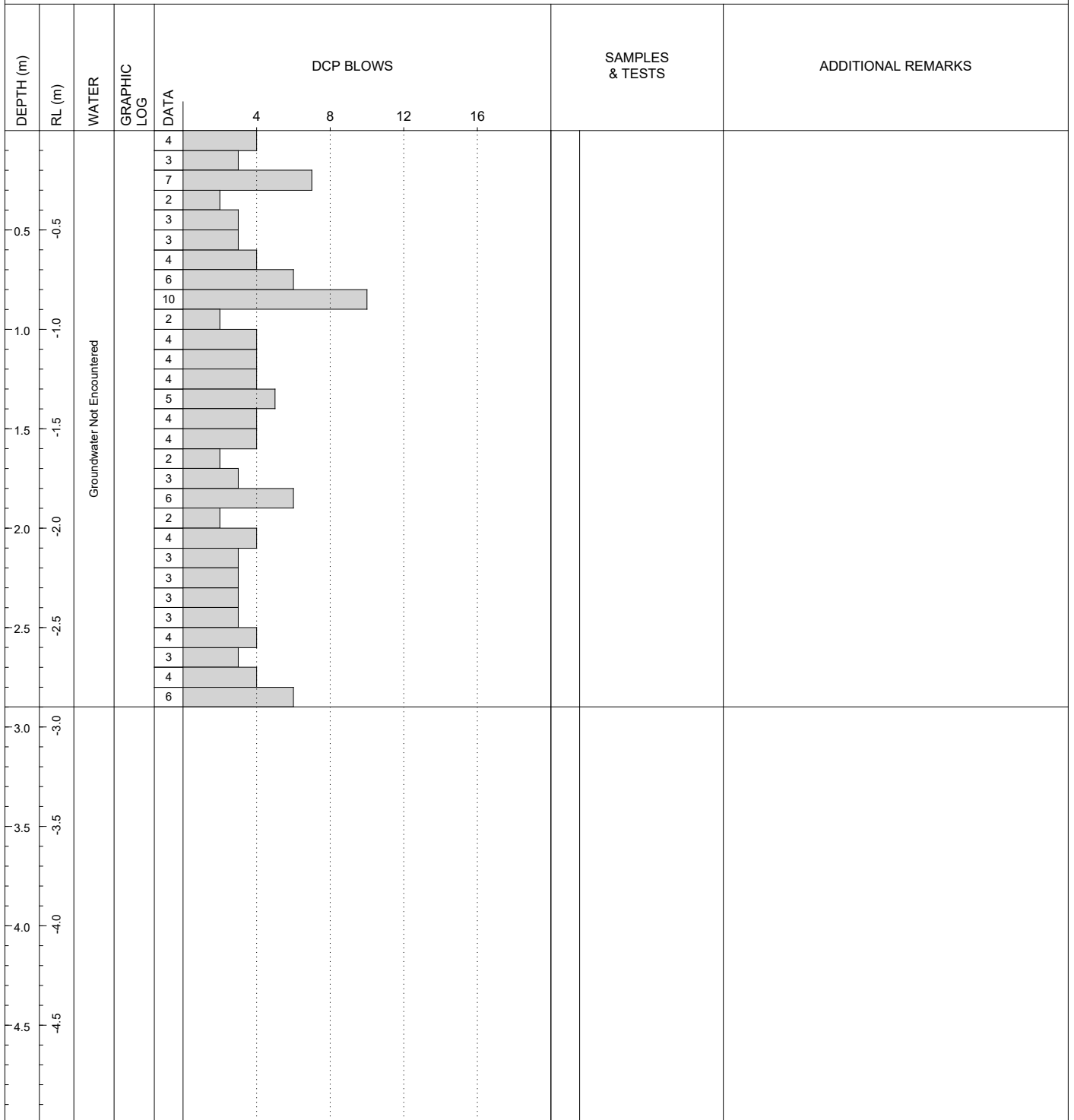


DCP LOG

DCP7.39

SHEET 48 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 76
PROJECT: 183970602	EASTING: 1928498.68	STARTED: 14-03-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607812.33	FINISHED: 14-03-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: JM/BR DATE: 14-03-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data



REMARKS
Soils tested in accordance with NZGS

- SYMBOLS**
- ▼ Standing Water Level
 - ◁ Out flow
 - ▷ In flow

Produced with Core-GS by Geotec

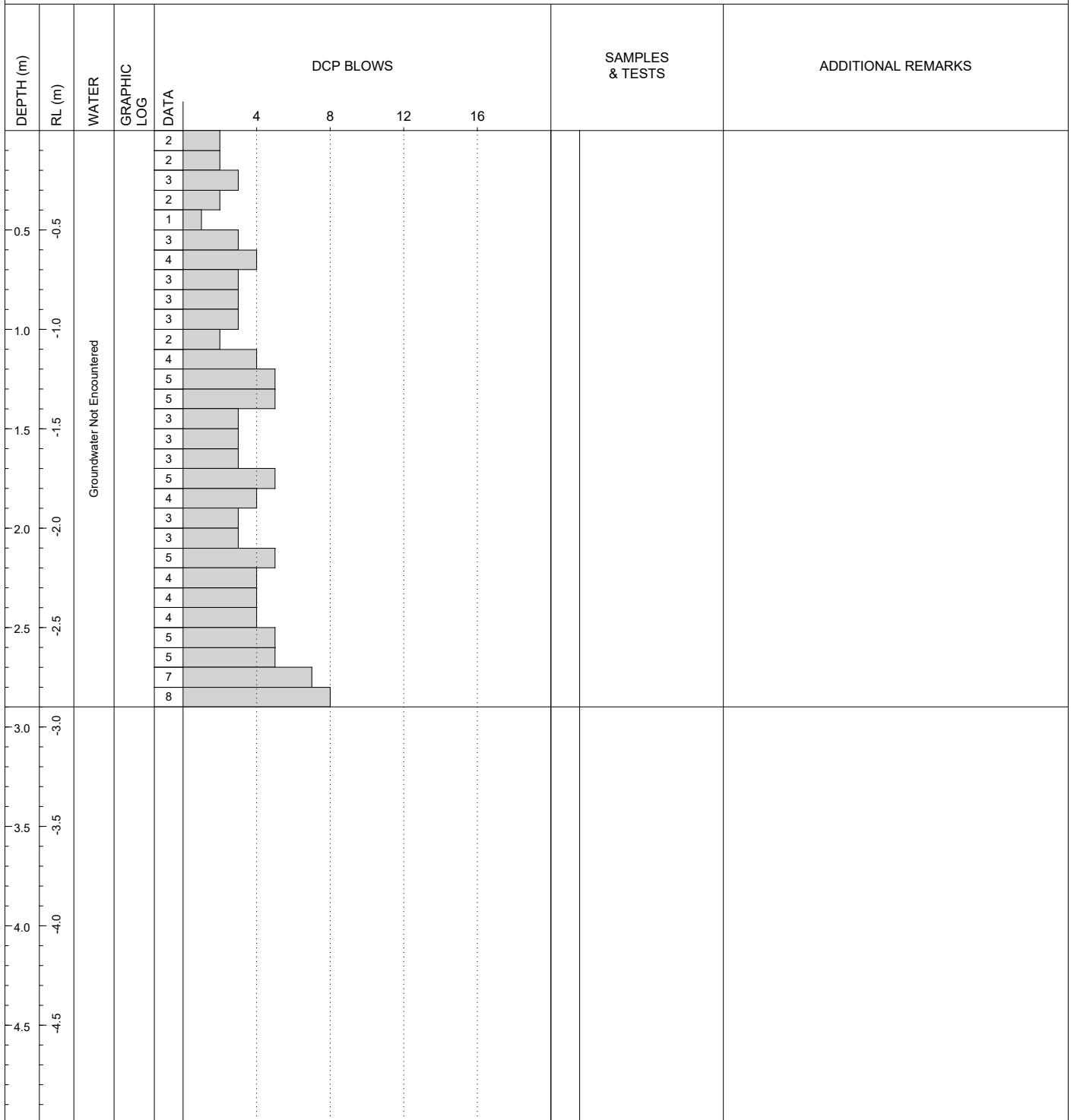


DCP LOG

DCP7.40

SHEET 49 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 76
PROJECT: 183970602	EASTING: 1928490.42	STARTED: 14-03-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607823.73	FINISHED: 14-03-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: JM/BR DATE: 14-03-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data



REMARKS Soils tested in accordance with NZGS	SYMBOLS ▼ Standing Water Level ◁ Out flow ▷ In flow
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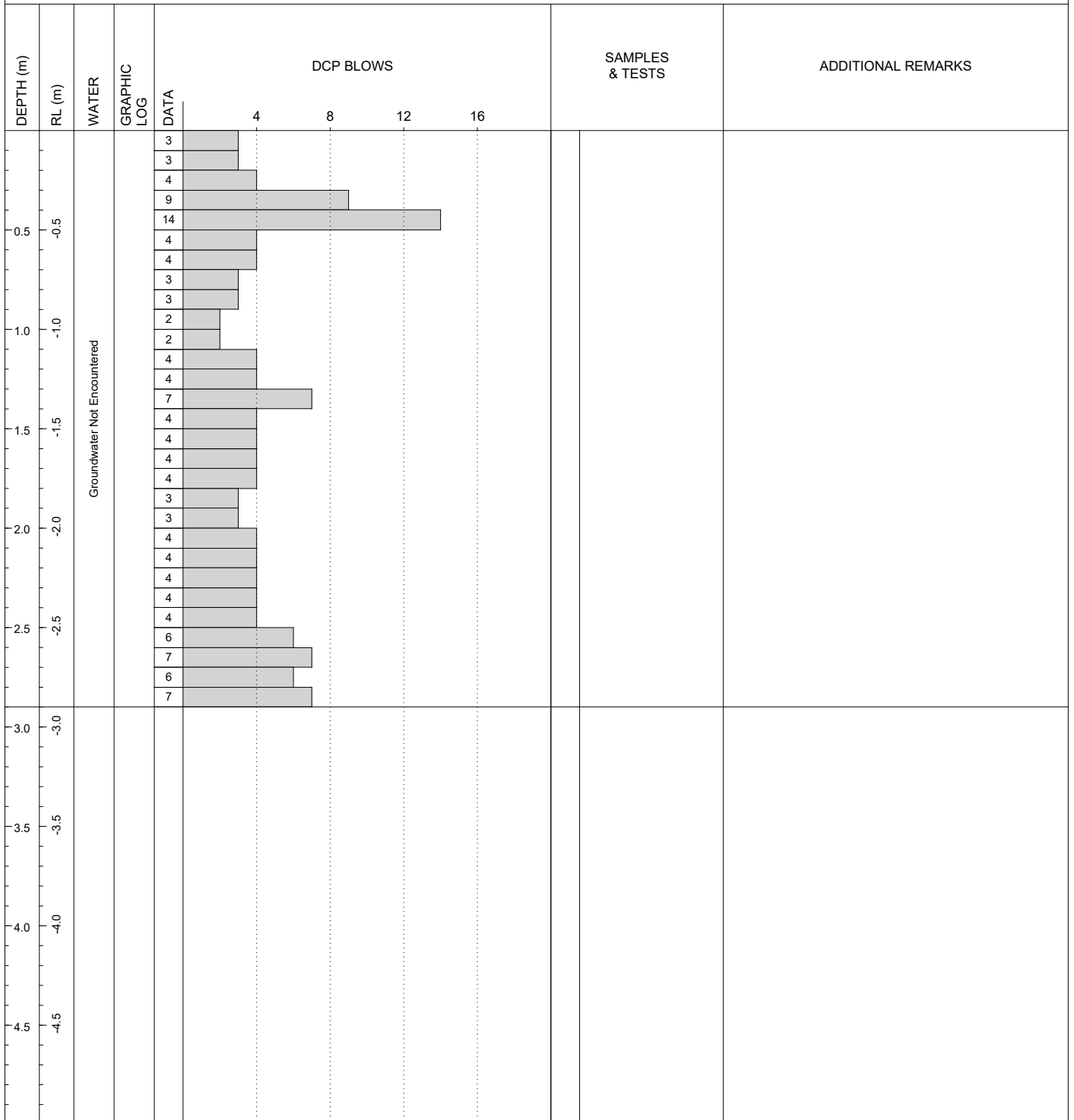


DCP LOG

DCP7.41

SHEET 50 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 77
PROJECT: 183970602	EASTING: 1928482.89	STARTED: 14-03-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607817.20	FINISHED: 14-03-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: JM/BR DATE: 14-03-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data



REMARKS Soils tested in accordance with NZGS	SYMBOLS ▼ Standing Water Level ◁ Out flow ▷ In flow
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DCP LOG

DCP7.42

SHEET 51 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 77
PROJECT: 183970602	EASTING: 1928492.40	STARTED: 14-03-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607807.39	FINISHED: 14-03-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: JM/BR DATE: 14-03-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS				SAMPLES & TESTS	ADDITIONAL REMARKS
					4	8	12	16		
0.0	-0.5	Groundwater Not Encountered		3						
0.1	-0.5		4							
0.2	-0.5		4							
0.3	-0.5		4							
0.4	-0.5		4							
0.5	-0.5		3							
0.6	-0.5		2							
0.7	-0.5		2							
0.8	-0.5		3							
0.9	-0.5		2							
1.0	-1.0		6							
1.1	-1.0		3							
1.2	-1.0		4							
1.3	-1.0		5							
1.4	-1.0		2							
1.5	-1.0		3							
1.6	-1.0		2							
1.7	-1.0		4							
1.8	-1.0		3							
1.9	-1.0		3							
2.0	-1.0		3							
2.1	-1.0		3							
2.2	-1.0		3							
2.3	-1.0		3							
2.4	-1.0	3								
2.5	-1.5	3								
2.6	-1.5	3								
2.7	-1.5	5								
2.8	-1.5	4								
2.9	-1.5	5								
3.0	-3.0									
3.5	-3.5									
4.0	-4.0									
4.5	-4.5									

REMARKS
Soils tested in accordance with NZGS

SYMBOLS

- ▼ Standing Water Level
- ◁ Out flow
- ▷ In flow

Produced with Core-GS by Geotec



DCP LOG

DCP7.43

SHEET 52 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 77
PROJECT: 183970602	EASTING: 1928482.04	STARTED: 14-03-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607799.27	FINISHED: 14-03-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: JM/BR DATE: 14-03-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS				SAMPLES & TESTS	ADDITIONAL REMARKS
					4	8	12	16		
0.5	-0.5	Groundwater Not Encountered		3						
			3							
			4							
			5							
			5							
			4							
			2							
			1							
			4							
1.0	-1.0				3					
					4					
					4					
					3					
					3					
					3					
					3					
					2					
					2					
					2					
					2					
				3						
				4						
				5						
				3						
				3						
				2						
				3						
				3						
				5						
3.0	-3.0									
3.5	-3.5									
4.0	-4.0									
4.5	-4.5									

REMARKS
Soils tested in accordance with NZGS

SYMBOLS
 ▼ Standing Water Level
 ◁ Out flow
 ▷ In flow

Produced with Core-GS by Geotec

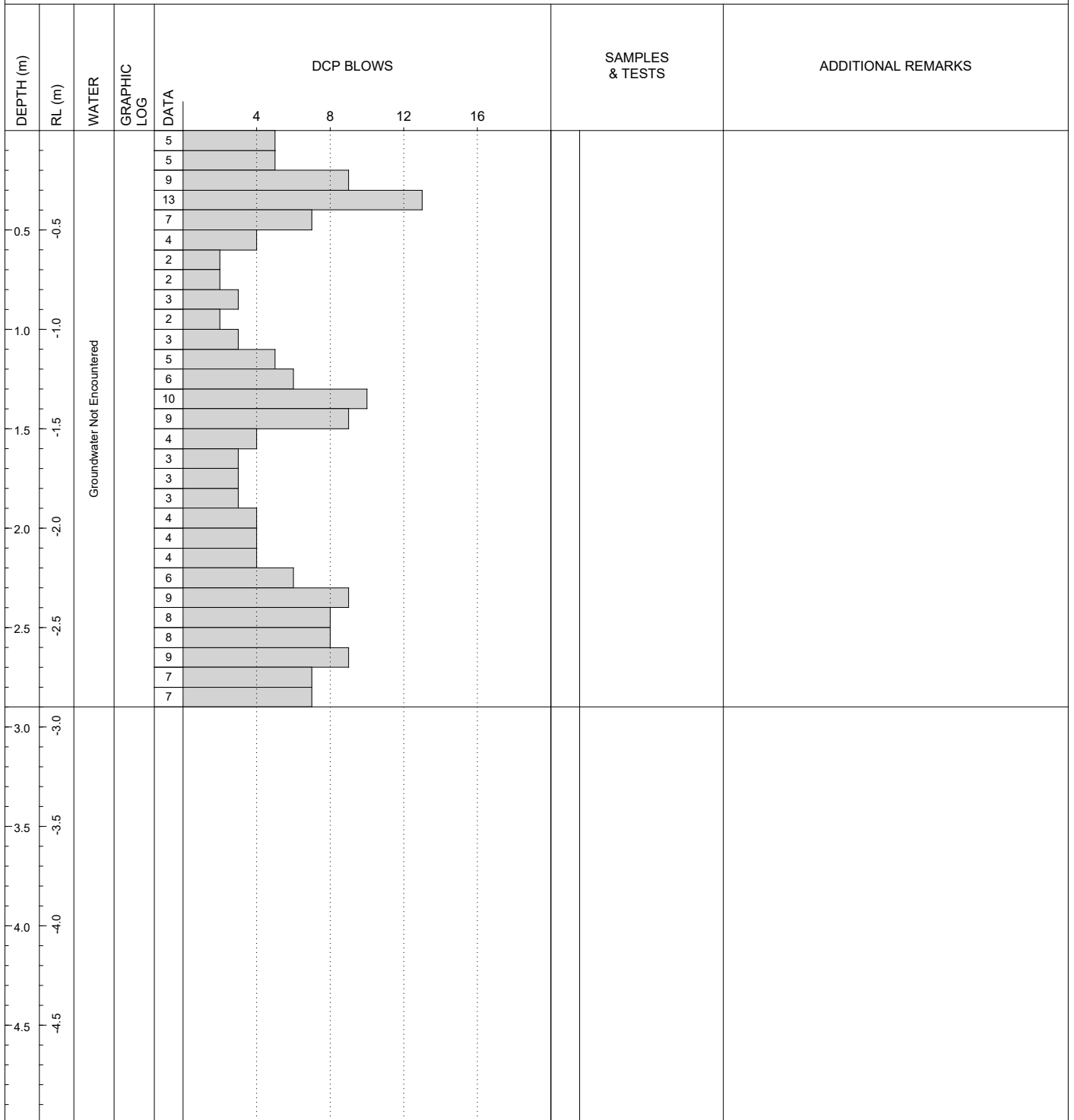


DCP LOG

DCP7.44

SHEET 53 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 77
PROJECT: 183970602	EASTING: 1928474.25	STARTED: 14-03-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607812.20	FINISHED: 14-03-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: JM/BR DATE: 14-03-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data



REMARKS
Soils tested in accordance with NZGS

SYMBOLS

- ▼ Standing Water Level
- ◁ Out flow
- ▷ In flow



DCP LOG

DCP7.45

SHEET 54 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 78
PROJECT: 183970602	EASTING: 1928464.12	STARTED: 14-03-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607806.67	FINISHED: 14-03-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: JM/BR DATE: 14-03-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
					4 8 12 16		
0.5	-0.5	Groundwater Not Encountered		5	4		
			5	4			
			11	8			
			14	12			
			8	8			
			5	4			
			3	3			
			3	3			
			3	3			
1.0	-1.0		2	2			
			2	2			
			4	4			
			7	8			
			8	8			
			7	8			
			5	5			
			3	3			
			3	3			
			3	3			
2.0	-2.0		5	5			
			5	5			
			6	6			
		8	8				
		8	8				
2.5	-2.5	5	5				
		4	4				
		5	5				
		8	8				
3.0	-3.0						
3.5	-3.5						
4.0	-4.0						
4.5	-4.5						

REMARKS
Soils tested in accordance with NZGS

SYMBOLS

- ▼ Standing Water Level
- ◁ Out flow
- ▷ In flow

Produced with Core-GS by Geotec



DCP LOG

DCP7.46

SHEET 55 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 78
PROJECT: 183970602	EASTING: 1928474.79	STARTED: 14-03-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607792.73	FINISHED: 14-03-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: JM/BR DATE: 14-03-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
					4 8 12 16		
0.0				3			
0.1				4			
0.2				2			
0.3				3			
0.4				3			
0.5				4			
0.6				4			
0.7				3			
0.8				3			
0.9				2			
1.0				2			
1.1				2			
1.2				3			
1.3				3			
1.4				2			
1.5				2			
1.6				3			
1.7				3			
1.8				4			
1.9				4			
2.0				2			
2.1				3			
2.2				3			
2.3				3			
2.4				4			
2.5				4			
2.6				3			
2.7				3			
2.8				4			
2.9				4			
3.0							
3.1							
3.2							
3.3							
3.4							
3.5							
3.6							
3.7							
3.8							
3.9							
4.0							
4.1							
4.2							
4.3							
4.4							
4.5							

REMARKS Soils tested in accordance with NZGS	SYMBOLS ▼ Standing Water Level ◁ Out flow ▷ In flow
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DCP LOG

DCP7.47

SHEET 56 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 78
PROJECT: 183970602	EASTING: 1928466.64	STARTED: 14-03-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607784.86	FINISHED: 14-03-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: JM/BR DATE: 14-03-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
					4 8 12 16		
0.0	-0.5	Groundwater Not Encountered		3			
0.1			4				
0.2			5				
0.3			4				
0.4			3				
0.5			3				
0.6			5				
0.7			3				
0.8			1				
0.9			0				
1.0			3				
1.1			5				
1.2			4				
1.3			4				
1.4			3				
1.5			4				
1.6			4				
1.7			3				
1.8			3				
1.9			1				
2.0			2				
2.1			3				
2.2			3				
2.3			3				
2.4			3				
2.5			4				
2.6			5				
2.7			4				
2.8		7					
3.0	-3.0						
3.5	-3.5						
4.0	-4.0						
4.5	-4.5						

REMARKS
Soils tested in accordance with NZGS

SYMBOLS

- ▼ Standing Water Level
- ◁ Out flow
- ▷ In flow

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DCP LOG

DCP7.48

SHEET 57 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 78
PROJECT: 183970602	EASTING: 1928457.53	STARTED: 14-03-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607798.13	FINISHED: 14-03-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: JM/BR DATE: 14-03-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
					4 8 12 16		
0.5	-0.5	Groundwater Not Encountered		5	4		
			3				
			4				
			14				
			7				
			8				
			6				
			3				
			3				
1.0	-1.0		2				
			3				
			4				
			4				
			6				
			6				
1.5	-1.5		4				
			4				
			4				
			2				
			2				
		2					
		2					
		4					
		7					
		8					
2.5	-2.5	7					
		5					
		6					
		7					
3.0	-3.0						
3.5	-3.5						
4.0	-4.0						
4.5	-4.5						

REMARKS Soils tested in accordance with NZGS	SYMBOLS ▼ Standing Water Level ◁ Out flow ▷ In flow
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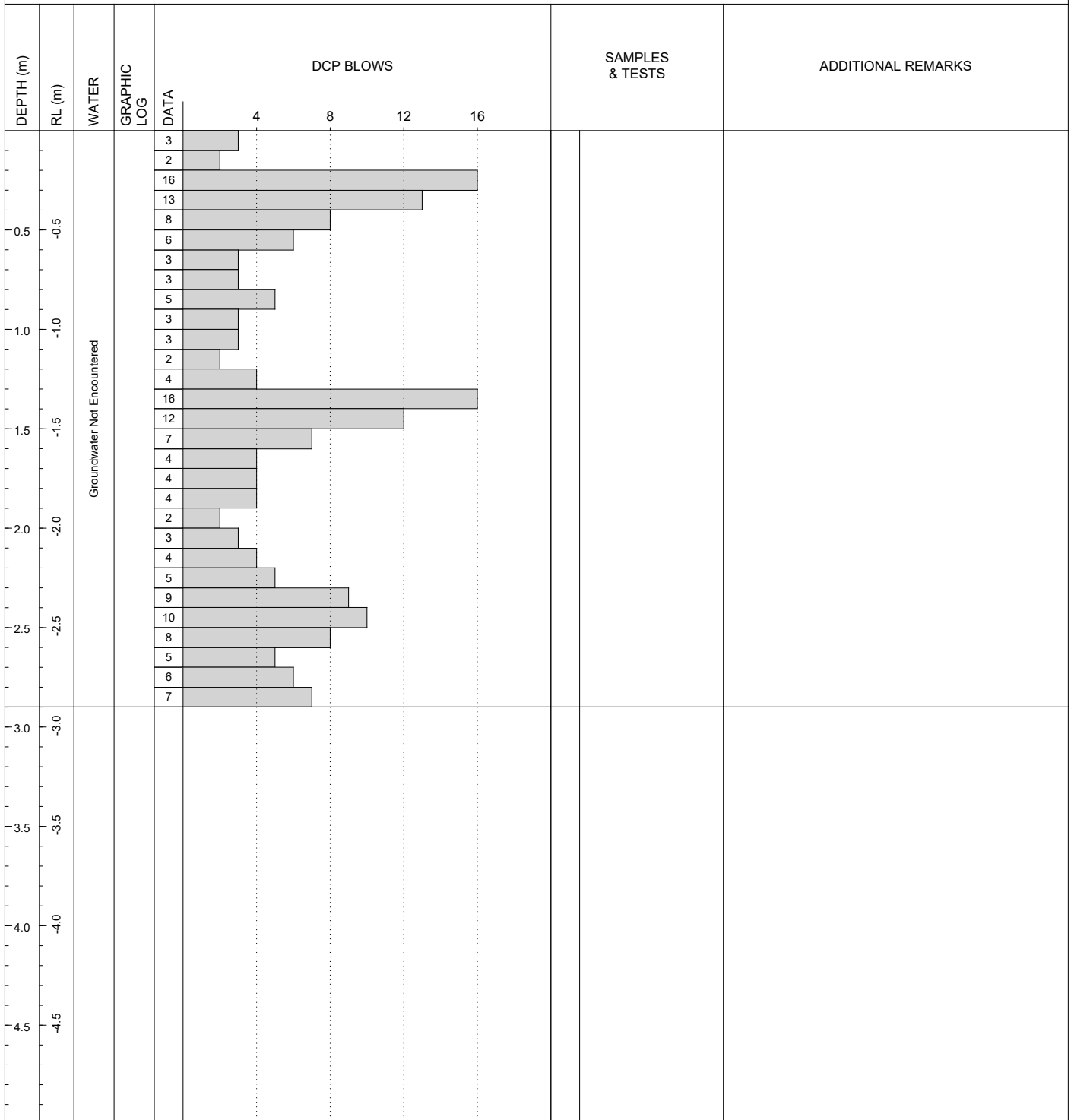


DCP LOG

DCP7.49

SHEET 58 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 79
PROJECT: 183970602	EASTING: 1928448.24	STARTED: 21-03-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607792.21	FINISHED: 21-03-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: JM/VE DATE: 21-03-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data



REMARKS Soils tested in accordance with NZGS	SYMBOLS ▼ Standing Water Level ◁ Out flow ▷ In flow
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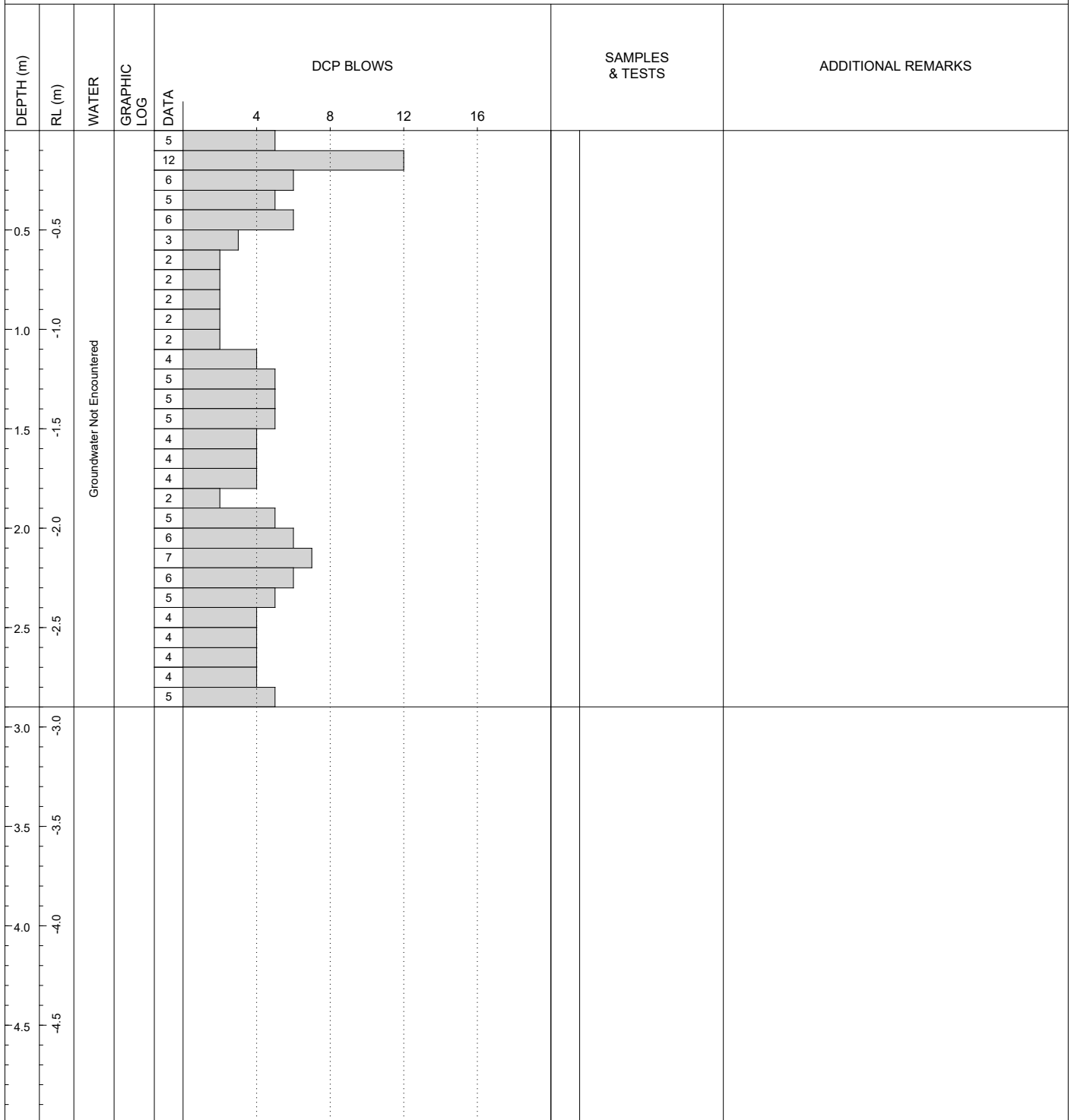


DCP LOG

DCP7.50

SHEET 59 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 79
PROJECT: 183970602	EASTING: 1928458.63	STARTED: 21-03-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607780.04	FINISHED: 21-03-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: JM/VE DATE: 21-03-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data



REMARKS Soils tested in accordance with NZGS	SYMBOLS ▼ Standing Water Level ◁ Out flow ▷ In flow
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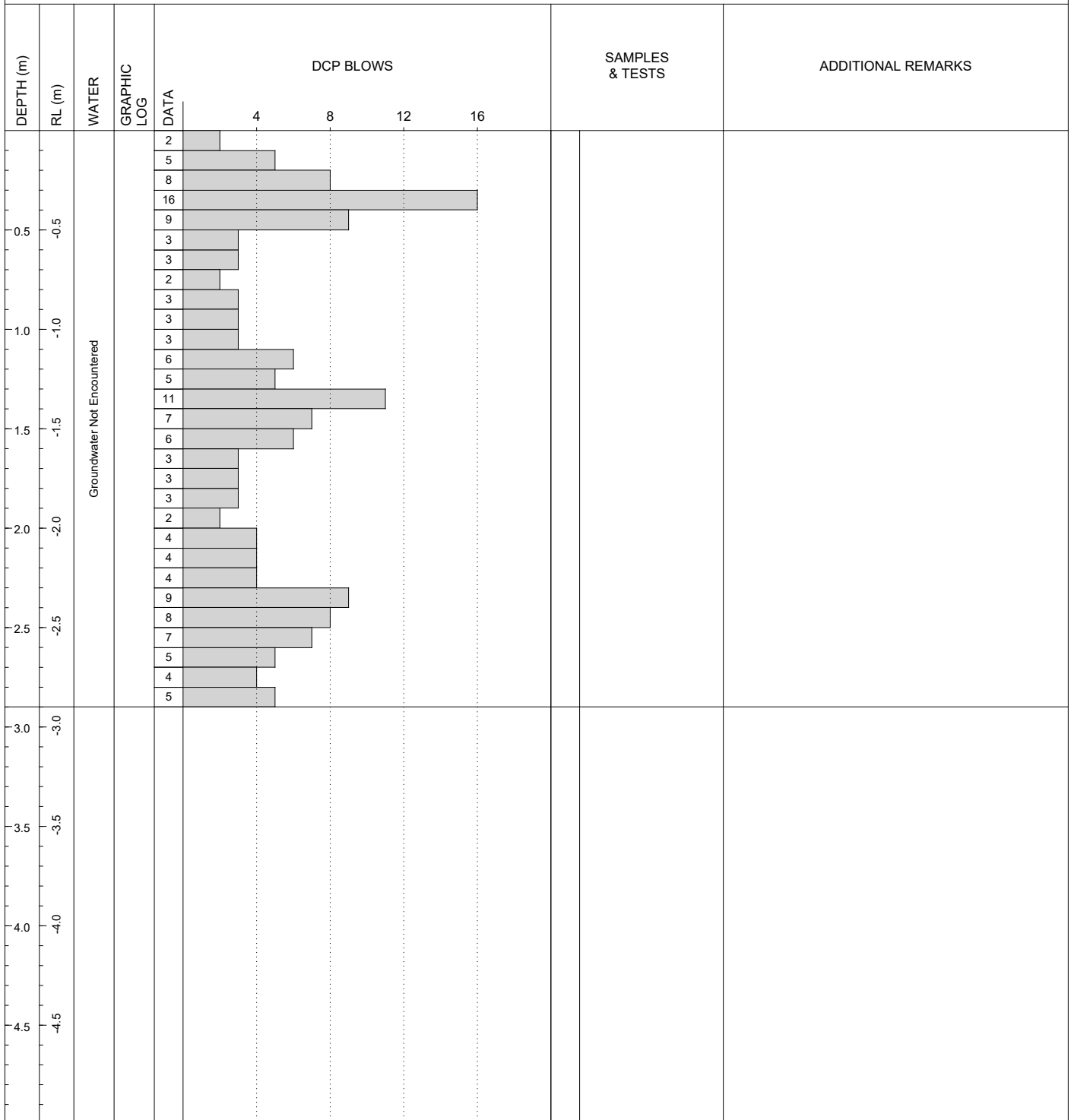


DCP LOG

DCP7.51

SHEET 60 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 79
PROJECT: 183970602	EASTING: 1928450.19	STARTED: 21-03-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607774.42	FINISHED: 21-03-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: JM/VE DATE: 21-03-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data



REMARKS Soils tested in accordance with NZGS	SYMBOLS ▼ Standing Water Level ◁ Out flow ▷ In flow
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DCP LOG

DCP7.52

SHEET 61 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 79
PROJECT: 183970602	EASTING: 1928440.66	STARTED: 21-03-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607786.41	FINISHED: 21-03-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: JM/VE DATE: 21-03-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
				4 8 12 16		
0.2				2		
0.3				13		
0.4				12		
0.5				6		
0.6				3		
0.7				4		
0.8				3		
0.9				5		
1.0				4		
1.1				3		
1.2				5		
1.3				13		
1.4				9		
1.5				6		
1.6				4		
1.7				3		
1.8				3		
1.9				4		
2.0				3		
2.1				4		
2.2				3		
2.3				10		
2.4				11		
2.5				7		
2.6				5		
2.7				4		
2.8				4		
2.9				6		
3.0				5		

REMARKS Soils tested in accordance with NZGS	SYMBOLS ▼ Standing Water Level ◁ Out flow ▷ In flow
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Produced with Core-GS by Geotec

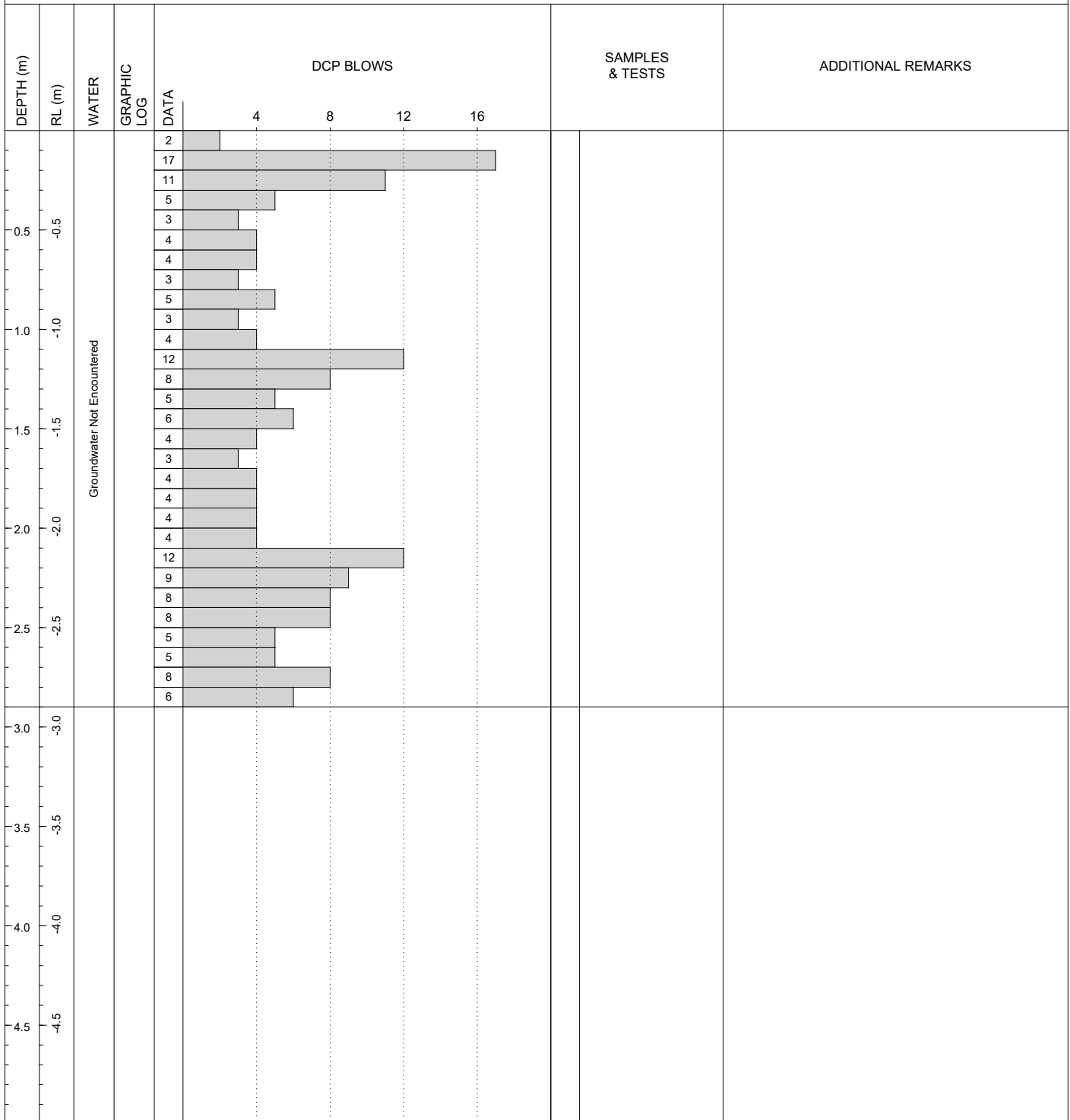


DCP LOG

DCP7.53

SHEET 62 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 80
PROJECT: 183970602	EASTING: 1928436.52	STARTED: 21-03-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607780.56	FINISHED: 21-03-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: JM/VE DATE: 21-03-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data



REMARKS
Soils tested in accordance with NZGS

- SYMBOLS**
- ▼ Standing Water Level
 - ◁ Out flow
 - ▷ In flow

Produced with Core-GS by Geotec



DCP LOG

DCP7.54

SHEET 63 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 80
PROJECT: 183970602	EASTING: 1928443.01	STARTED: 21-03-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607768.85	FINISHED: 21-03-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: JM/VE DATE: 21-03-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
					4 8 12 16		
0.5	-0.5	Groundwater Not Encountered		8	8		
			5	8			
			6	8			
			8	8			
			7	8			
			3	8			
			2	8			
			2	8			
			3	8			
			3	8			
			4	8			
			3	8			
			6	8			
			7	8			
			6	8			
			3	8			
			3	8			
			2	8			
			3	8			
			2	8			
			2	8			
			2	8			
			3	8			
			3	8			
		4	8				
		3	8				
		3	8				
		3	8				
		3	8				
		3	8				
		3	8				

REMARKS Soils tested in accordance with NZGS	SYMBOLS ▼ Standing Water Level ◁ Out flow ▷ In flow
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Produced with Core-GS by Geotec



DCP LOG

DCP7.55

SHEET 64 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 80
PROJECT: 183970602	EASTING:	STARTED: 21-03-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING:	FINISHED: 21-03-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: JM/VE DATE: 21-03-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
					4 8 12 16		
0.5	-0.5	Groundwater Not Encountered		3	4		
			10	8			
			6	4			
			8	4			
			8	4			
			4	4			
			5	4			
			3	4			
			2	4			
			2	4			
			4	4			
			3	4			
			5	4			
			7	4			
			7	4			
			5	4			
			3	4			
			3	4			
			2	4			
			5	4			
		3	4				
		4	4				
		6	4				
		5	4				
		3	4				
		4	4				
		4	4				
		3	4				
3.0	-3.0						
3.5	-3.5						
4.0	-4.0						
4.5	-4.5						

REMARKS
Soils tested in accordance with NZGS

SYMBOLS

- ▼ Standing Water Level
- ◁ Out flow
- ▷ In flow

Produced with Core-GS by Geac

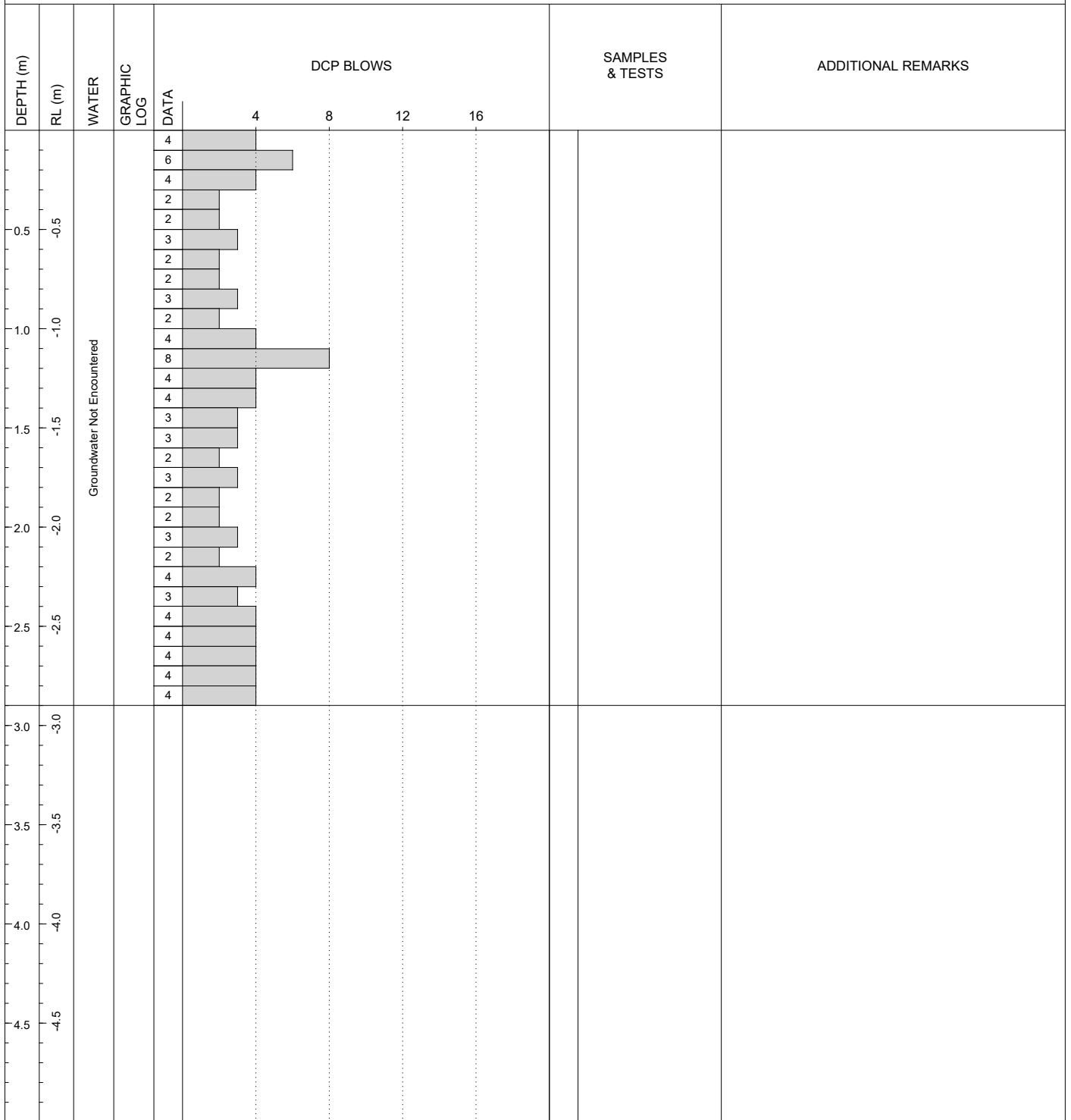


DCP LOG

DCP7.56

SHEET 65 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 80
PROJECT: 183970602	EASTING:	STARTED: 21-03-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING:	FINISHED: 21-03-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: JM/VE DATE: 21-03-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data



REMARKS
Soils tested in accordance with NZGS

- SYMBOLS**
- ▼ Standing Water Level
 - ◁ Out flow
 - ▷ In flow

Produced with Core-GS by Geotec



DCP LOG

DCP7.57

SHEET 66 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 81
PROJECT: 183970602	EASTING:	STARTED: 03-05-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING:	FINISHED: 03-05-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: BR/VE DATE: 03-05-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 0°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
				4 8 12 16		
0.5		Groundwater Not Encountered	8	8		
	12		8	12		
	8		5			
	3		2			
	2		1			
	1		1			
1.0			2			
	2		3			
	4		4			
	9		7			
	6		6			
1.5			4			
	4		2			
	4		4			
	3		4			
2.0			4			
	4		8			
	8		7			
2.5			12			
			+ Double bounce			
3.0						
3.5						
4.0						
4.5						

REMARKS Soils tested in accordance with NZGS	SYMBOLS ▼ Standing Water Level ◁ Out flow ▷ In flow
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DCP LOG

DCP7.58

SHEET 67 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 81
PROJECT: 183970602	EASTING:	STARTED: 03-05-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING:	FINISHED: 03-05-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: BR/VE DATE: 03-05-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 0°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DCP BLOWS				SAMPLES & TESTS	ADDITIONAL REMARKS
				DATA	4	8	12		
0.0				1					
0.1				2					
0.2				7					
0.3				6					
0.4				5					
0.5				4					
0.6				2					
0.7				2					
0.8				2					
0.9				2					
1.0				3					
1.1				3					
1.2				7					
1.3				8					
1.4				5					
1.5				5					
1.6				3					
1.7				3					
1.8				3					
1.9				2					
2.0				3					
2.1				3					
2.2				5					
2.3				9					
2.4				5					
2.5				4					
2.6				5					
2.7				5					
2.8				6					
2.9									
3.0									
3.1									
3.2									
3.3									
3.4									
3.5									
3.6									
3.7									
3.8									
3.9									
4.0									
4.1									
4.2									
4.3									
4.4									
4.5									

REMARKS
Soils tested in accordance with NZGS

SYMBOLS

- ▼ Standing Water Level
- ◁ Out flow
- ▷ In flow

Produced with Core-GS by Geotec



DCP LOG

DCP7.59

SHEET 68 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 81
PROJECT: 183970602	EASTING:	STARTED: 03-05-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING:	FINISHED: 03-05-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: BR/VE DATE: 03-05-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 0°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
					4 8 12 16		
0.5		Groundwater Not Encountered		4			
			8				
			5				
			3				
			2				
			2				
			1				
			1				
			2				
			2				
			4				
			4				
			7				
			5				
			5				
			3				
			2				
			3				
			2				
			3				
		2					
		4					
		6					
		4					
		3					
		3					
		2					
		1					
		2					
		6					
		8					
		11					
3.5							
4.0							
4.5							

REMARKS
Soils tested in accordance with NZGS

SYMBOLS
 ▼ Standing Water Level
 ◁ Out flow
 ▷ In flow

Produced with Core-GS by Geac



DCP LOG

DCP7.60

SHEET 69 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 81
PROJECT: 183970602	EASTING:	STARTED: 03-05-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING:	FINISHED: 03-05-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: BR/VE DATE: 03-05-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 0°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
				4 8 12 16		
0.2			2			
0.3			1			
0.4			10			
0.5			8			
0.6			4			
0.7			3			
0.8			3			
0.9			3			
1.0			3			
1.1			3			
1.2			4			
1.3			7			
1.4			6			
1.5			5			
1.6			4			
1.7			3			
1.8			3			
1.9			4			
2.0			4			
2.1			5			
2.2			6			
2.3			10			
2.4			11			
2.5			7			
2.6			8			
2.7			5			
2.8			6			
2.9			7			
3.0						
3.5						
4.0						
4.5						

REMARKS
Soils tested in accordance with NZGS

- SYMBOLS**
- ▼ Standing Water Level
 - ◁ Out flow
 - ▷ In flow

Produced with Core-GS by Geac



DCP LOG

DCP7.61

SHEET 70 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 82
PROJECT: 183970602	EASTING:	STARTED: 03-05-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING:	FINISHED: 03-05-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: BR/VE DATE: 03-05-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 0°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
					4 8 12 16		
0.2				2			
0.3				9			
0.4				7			
0.5				4			
0.6				3			
0.7				3			
0.8				3			
0.9				2			
1.0				3			
1.1				4			
1.2				4			
1.3				5			
1.4				7			
1.5				4			
1.6				3			
1.7				2			
1.8				2			
1.9				3			
2.0				2			
2.1				7			
2.2				5			
2.3				8			
2.4				8			
2.5				6			
2.6				6			
2.7				5			
2.8				4			
2.9				7			
3.0							
3.5							
4.0							
4.5							

REMARKS
Soils tested in accordance with NZGS

SYMBOLS
 ▼ Standing Water Level
 ◁ Out flow
 ▷ In flow

Produced with Core-GS by Geotec



DCP LOG

DCP7.62

SHEET 71 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 82
PROJECT: 183970602	EASTING:	STARTED: 03-05-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING:	FINISHED: 03-05-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: BR/VE DATE: 03-05-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 0°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS																																																												
				<table border="1"> <caption>DCP Blow Count Data</caption> <thead> <tr> <th>Depth (m)</th> <th>Blow Count</th> </tr> </thead> <tbody> <tr><td>0.2</td><td>2</td></tr> <tr><td>0.4</td><td>6</td></tr> <tr><td>0.6</td><td>13</td></tr> <tr><td>0.8</td><td>7</td></tr> <tr><td>1.0</td><td>4</td></tr> <tr><td>1.2</td><td>3</td></tr> <tr><td>1.4</td><td>2</td></tr> <tr><td>1.6</td><td>2</td></tr> <tr><td>1.8</td><td>1</td></tr> <tr><td>2.0</td><td>3</td></tr> <tr><td>2.2</td><td>3</td></tr> <tr><td>2.4</td><td>6</td></tr> <tr><td>2.6</td><td>9</td></tr> <tr><td>2.8</td><td>7</td></tr> <tr><td>3.0</td><td>5</td></tr> <tr><td>3.2</td><td>4</td></tr> <tr><td>3.4</td><td>3</td></tr> <tr><td>3.6</td><td>2</td></tr> <tr><td>3.8</td><td>2</td></tr> <tr><td>4.0</td><td>3</td></tr> <tr><td>4.2</td><td>3</td></tr> <tr><td>4.4</td><td>4</td></tr> <tr><td>4.6</td><td>7</td></tr> <tr><td>4.8</td><td>7</td></tr> <tr><td>5.0</td><td>5</td></tr> <tr><td>5.2</td><td>5</td></tr> <tr><td>5.4</td><td>4</td></tr> <tr><td>5.6</td><td>5</td></tr> <tr><td>5.8</td><td>5</td></tr> </tbody> </table>	Depth (m)	Blow Count	0.2	2	0.4	6	0.6	13	0.8	7	1.0	4	1.2	3	1.4	2	1.6	2	1.8	1	2.0	3	2.2	3	2.4	6	2.6	9	2.8	7	3.0	5	3.2	4	3.4	3	3.6	2	3.8	2	4.0	3	4.2	3	4.4	4	4.6	7	4.8	7	5.0	5	5.2	5	5.4	4	5.6	5	5.8	5		
Depth (m)	Blow Count																																																																	
0.2	2																																																																	
0.4	6																																																																	
0.6	13																																																																	
0.8	7																																																																	
1.0	4																																																																	
1.2	3																																																																	
1.4	2																																																																	
1.6	2																																																																	
1.8	1																																																																	
2.0	3																																																																	
2.2	3																																																																	
2.4	6																																																																	
2.6	9																																																																	
2.8	7																																																																	
3.0	5																																																																	
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3.6	2																																																																	
3.8	2																																																																	
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4.2	3																																																																	
4.4	4																																																																	
4.6	7																																																																	
4.8	7																																																																	
5.0	5																																																																	
5.2	5																																																																	
5.4	4																																																																	
5.6	5																																																																	
5.8	5																																																																	
0.5		Groundwater Not Encountered																																																																
1.0																																																																		
1.5																																																																		
2.0																																																																		
2.5																																																																		
3.0																																																																		
3.5																																																																		
4.0																																																																		
4.5																																																																		

REMARKS
Soils tested in accordance with NZGS

SYMBOLS
 ▼ Standing Water Level
 ◁ Out flow
 ▷ In flow

Produced with Core-GS by Geotec



DCP LOG

DCP7.63

SHEET 72 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 82
PROJECT: 183970602	EASTING:	STARTED: 03-05-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING:	FINISHED: 03-05-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: BR/VE DATE: 03-05-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 0°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
					4 8 12 16		
0.2				2			
0.3				1			
0.4				3			
0.5				7			
0.6				4			
0.7				2			
0.8				2			
0.9				3			
1.0				2			
1.1				3			
1.2				3			
1.3				4			
1.4				4			
1.5				7			
1.6				5			
1.7				3			
1.8				3			
1.9				2			
2.0				3			
2.1				3			
2.2				4			
2.3				3			
2.4				3			
2.5				5			
2.6				4			
2.7				4			
2.8				4			
2.9				6			
3.0				5			

REMARKS Soils tested in accordance with NZGS	SYMBOLS ▼ Standing Water Level ◁ Out flow ▷ In flow
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Produced with Core-GS by Geotec



DCP LOG

DCP7.64

SHEET 73 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 82
PROJECT: 183970602	EASTING:	STARTED: 03-05-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING:	FINISHED: 03-05-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: BR/VE DATE: 03-05-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 0°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
					4 8 12 16		
		Groundwater Not Encountered		1			
			1				
			9				
			7				
0.5			4				
			3				
			3				
			3				
			3				
1.0			4				
			3				
			4				
			7				
			8				
1.5			4				
			5				
			3				
			3				
			3				
2.0			3				
		3					
		4					
		7					
		8					
2.5		6					
		7					
		7					
		7					
		10					
3.0							
3.5							
4.0							
4.5							

REMARKS
Soils tested in accordance with NZGS

SYMBOLS

- ▼ Standing Water Level
- ⇐ Out flow
- ▷ In flow

Produced with Core-GS by Geotec



DCP LOG

DCP7.65

SHEET 74 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 83
PROJECT: 183970602	EASTING:	STARTED: 03-05-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING:	FINISHED: 03-05-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: BR/VE DATE: 03-05-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 0°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
			DATA	4 8 12 16		
0.2			2	2		
0.3			9	8		
0.4			9	8		
0.5			6	6		
0.6			3	4		
0.7			3	4		
0.8			2	3		
0.9			2	3		
1.0			3	4		
1.1			3	4		
1.2			5	5		
1.3			8	8		
1.4			8	8		
1.5			5	5		
1.6			3	4		
1.7			4	4		
1.8			3	4		
1.9			2	3		
2.0			3	4		
2.1			3	4		
2.2			5	5		
2.3			9	9		
2.4			10	10		
2.5			8	8		
2.6			6	6		
2.7			6	6		
2.8			6	6		
2.9			8	8		
3.0			13	13		

REMARKS
Soils tested in accordance with NZGS

- SYMBOLS**
- ▼ Standing Water Level
 - ◁ Out flow
 - ▷ In flow

Produced with Core-GS by Geotec



DCP LOG

DCP7.66

SHEET 75 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 83
PROJECT: 183970602	EASTING:	STARTED: 03-05-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING:	FINISHED: 03-05-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: BR/VE DATE: 03-05-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 0°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
					4 8 12 16		
0.2				2			
0.3				2			
0.4				3			
0.5				6			
0.6				5			
0.7				3			
0.8				2			
0.9				2			
1.0				2			
1.1				3			
1.2				3			
1.3				3			
1.4				5			
1.5				7			
1.6				5			
1.7				4			
1.8				3			
1.9				3			
2.0				2			
2.1				3			
2.2				3			
2.3				3			
2.4				4			
2.5				6			
2.6				7			
2.7				6			
2.8				6			
2.9				6			
3.0				8			

REMARKS Soils tested in accordance with NZGS	SYMBOLS ▼ Standing Water Level ◁ Out flow ▷ In flow
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Produced with Core-GS by Geotec



DCP LOG

DCP7.67

SHEET 76 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 83
PROJECT: 183970602	EASTING:	STARTED: 03-05-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING:	FINISHED: 03-05-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: BR/VE DATE: 03-05-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 0°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DCP BLOWS				SAMPLES & TESTS	ADDITIONAL REMARKS
				DATA	4	8	12		
0.0				2					
0.1				2					
0.2				2					
0.3				4					
0.4				6					
0.5		Groundwater Not Encountered		4					
0.6			2						
0.7			2						
0.8			2						
0.9			2						
1.0			2						
1.1			2						
1.2			3						
1.3			6						
1.4			5						
1.5			4						
1.6			2						
1.7			3						
1.8			4						
1.9			2						
2.0			2						
2.1			3						
2.2			3						
2.3			4						
2.4			5						
2.5			5						
2.6			5						
2.7			6						
2.8			6						
2.9									
3.0									
3.5									
4.0									
4.5									

REMARKS
Soils tested in accordance with NZGS

SYMBOLS
 ▼ Standing Water Level
 ◁ Out flow
 ▷ In flow

Produced with Core-GS by Geotec



DCP LOG

DCP7.68

SHEET 77 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 83
PROJECT: 183970602	EASTING:	STARTED: 03-05-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING:	FINISHED: 03-05-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: BR/VE DATE: 03-05-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 0°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
					4 8 12 16		
0.2				2	4		
0.3				3	4		
0.4				7	8		
0.5				6	8		
0.6				4	4		
0.7				3	4		
0.8				3	4		
0.9				3	4		
1.0				3	4		
1.1				3	4		
1.2				4	4		
1.3				4	4		
1.4				5	8		
1.5				8	8		
1.6				8	8		
1.7				8	8		
1.8				5	4		
1.9				5	4		
2.0				3	4		
2.1				4	4		
2.2				4	4		
2.3				6	8		
2.4				6	8		
2.5				7	8		
2.6				8	8		
2.7				9	12		
2.8				10	12		
2.9				13	16		

REMARKS
Soils tested in accordance with NZGS

SYMBOLS

- ▼ Standing Water Level
- ◁ Out flow
- ▷ In flow

Produced with Core-GS by Geotec



DCP LOG

DCP7.69

SHEET 78 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 84
PROJECT: 183970602	EASTING:	STARTED: 03-05-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING:	FINISHED: 03-05-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: BR/VE DATE: 03-05-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 0°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
					4 8 12 16		
0.2				2			
0.3				2			
0.4				5			
0.5				6			
0.6				4			
0.7				4			
0.8				3			
0.9				3			
1.0				3			
1.1				1			
1.2				1			
1.3				2			
1.4				3			
1.5				5			
1.6				5			
1.7				6			
1.8				5			
1.9				2			
2.0				2			
2.1				3			
2.2				3			
2.3				3			
2.4				5			
2.5				5			
2.6				5			
2.7				6			
2.8				6			
2.9				6			
3.0				8			

REMARKS
Soils tested in accordance with NZGS

SYMBOLS
 ▼ Standing Water Level
 ◁ Out flow
 ▷ In flow

Produced with Core-GS by Geac



DCP LOG

DCP7.70

SHEET 79 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 84
PROJECT: 183970602	EASTING:	STARTED: 03-05-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING:	FINISHED: 03-05-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: BR/VE DATE: 03-05-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 0°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DCP BLOWS				SAMPLES & TESTS	ADDITIONAL REMARKS
				DATA	4	8	12		
0.0				3					
0.1				3					
0.2				3					
0.3				5					
0.4				5					
0.5		Groundwater Not Encountered		4					
0.6				2					
0.7				1					
0.8				3					
0.9				2					
1.0				2					
1.1				3					
1.2				4					
1.3				6					
1.4				5					
1.5				3					
1.6				2					
1.7				2					
1.8				3					
1.9				3					
2.0				4					
2.1				3					
2.2				2					
2.3				3					
2.4				5					
2.5				5					
2.6			4						
2.7			6						
2.8			7						
3.0									
3.5									
4.0									
4.5									

REMARKS
Soils tested in accordance with NZGS

- SYMBOLS**
- ▼ Standing Water Level
 - ◁ Out flow
 - ▷ In flow

Produced with Core-GS by Geac



DCP LOG

DCP7.71

SHEET 80 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 84
PROJECT: 183970602	EASTING:	STARTED: 03-05-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING:	FINISHED: 03-05-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: BR/VE DATE: 03-05-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 0°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
					4 8 12 16		
0.2				2			
0.3				3			
0.4				1			
0.5				4			
0.6				4			
0.7				3			
0.8				3			
0.9				3			
1.0				3			
1.1				3			
1.2				3			
1.3				4			
1.4				4			
1.5				5			
1.6				5			
1.7				4			
1.8				4			
1.9				4			
2.0				3			
2.1				3			
2.2				3			
2.3				3			
2.4				3			
2.5				3			
2.6				4			
2.7				5			
2.8				7			
2.9				8			
3.0							
3.5							
4.0							
4.5							

REMARKS
Soils tested in accordance with NZGS

SYMBOLS
 ▼ Standing Water Level
 ◁ Out flow
 ▷ In flow

Produced with Core-GS by Geac



DCP LOG

DCP7.72

SHEET 81 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 84
PROJECT: 183970602	EASTING:	STARTED: 03-05-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING:	FINISHED: 03-05-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: BR/VE DATE: 03-05-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 0°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
					4 8 12 16		
0.0				1	~1		
0.1				2	~2		
0.2				6	~6		
0.3				7	~7		
0.4				4	~4		
0.5				3	~3		
0.6				2	~2		
0.7				2	~2		
0.8				3	~3		
0.9				2	~2		
1.0				3	~3		
1.1				3	~3		
1.2				5	~5		
1.3				6	~6		
1.4				4	~4		
1.5				3	~3		
1.6				2	~2		
1.7				2	~2		
1.8				2	~2		
1.9				3	~3		
2.0				3	~3		
2.1				2	~2		
2.2				5	~5		
2.3				4	~4		
2.4				4	~4		
2.5				3	~3		
2.6				4	~4		
2.7				5	~5		
2.8				13	~13		
2.9							
3.0							
3.5							
4.0							
4.5							

REMARKS
Soils tested in accordance with NZGS

SYMBOLS

- ▼ Standing Water Level
- ◁ Out flow
- ▷ In flow

Produced with Core-GS by Geotec



DCP LOG

DCP7.73

SHEET 82 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 85
PROJECT: 183970602	EASTING:	STARTED: 13-05-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING:	FINISHED: 13-05-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: BR/VE DATE: 13-05-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 0°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS				SAMPLES & TESTS	ADDITIONAL REMARKS
					4	8	12	16		
0.0				3						
0.1				4						
0.2				3						
0.3				4						
0.4				3						
0.5				3						
0.6				2						
0.7				3						
0.8				2						
0.9				3						
1.0				3						
1.1				3						
1.2				4						
1.3				3						
1.4				3						
1.5				4						
1.6				3						
1.7				3						
1.8				2						
1.9				2						
2.0				4						
2.1				6						
2.2				4						
2.3				3						
2.4				3						
2.5				6						
2.6				5						
2.7				5						
2.8				6						
2.9				6						
3.0										
3.5										
4.0										
4.5										

REMARKS
Soils tested in accordance with NZGS

SYMBOLS

- ▼ Standing Water Level
- ◁ Out flow
- ▷ In flow

Produced with Core-GS by Geotec



DCP LOG

DCP7.74

SHEET 83 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 85
PROJECT: 183970602	EASTING:	STARTED: 13-05-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING:	FINISHED: 13-05-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: BR/VE DATE: 13-05-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 0°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
					4 8 12 16		
0.2				2	~4		
0.4				8	~8		
0.5				9	~9		
0.6				6	~6		
0.7				3	~4		
0.8				3	~4		
0.9				2	~3		
1.0				3	~4		
1.1				3	~4		
1.2				4	~5		
1.3				3	~4		
1.4				4	~5		
1.5				4	~5		
1.6				8	~8		
1.7				5	~6		
1.8				3	~4		
1.9				4	~5		
2.0				3	~4		
2.1				3	~4		
2.2				2	~3		
2.3				3	~4		
2.4				4	~5		
2.5				5	~6		
2.6				7	~7		
2.7				5	~6		
2.8				4	~5		
2.9				5	~6		
3.0				3	~4		
3.1				4	~5		
3.2							
3.3							
3.4							
3.5							
3.6							
3.7							
3.8							
3.9							
4.0							
4.1							
4.2							
4.3							
4.4							
4.5							

REMARKS
Soils tested in accordance with NZGS

SYMBOLS

- ▼ Standing Water Level
- ◁ Out flow
- ▷ In flow

Produced with Core-GS by Geotec



DCP LOG

DCP7.75

SHEET 84 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 85
PROJECT: 183970602	EASTING:	STARTED: 13-05-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING:	FINISHED: 13-05-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: BR/VE DATE: 13-05-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 0°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DCP BLOWS				SAMPLES & TESTS	ADDITIONAL REMARKS
				DATA	4	8	12		
0.0				2					
0.1				2					
0.2				3					
0.3				4					
0.4				3					
0.5				6					
0.6				4					
0.7				3					
0.8				3					
0.9				2					
1.0				3					
1.1				3					
1.2				3					
1.3				3					
1.4				4					
1.5				4					
1.6				4					
1.7				1					
1.8				3					
1.9				2					
2.0				3					
2.1				3					
2.2				2					
2.3				4					
2.4				4					
2.5				6					
2.6				5					
2.7				4					
2.8				4					
3.0									
3.5									
4.0									
4.5									

REMARKS
Soils tested in accordance with NZGS

SYMBOLS

- ▼ Standing Water Level
- ◁ Out flow
- ▷ In flow

Produced with Core-GS by Geotec



DCP LOG

DCP7.76

SHEET 85 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 85
PROJECT: 183970602	EASTING:	STARTED: 13-05-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING:	FINISHED: 13-05-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: BR/VE DATE: 13-05-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 0°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
					4 8 12 16		
0.2				2			
0.4				4			
0.6				2			
0.8				5			
1.0				4			
1.2				4			
1.4				3			
1.6				2			
1.8				4			
2.0				3			
2.2				4			
2.4				8			
2.6				4			
2.8				6			
3.0				6			
3.2				6			
3.4				5			
3.6				3			
3.8				3			
4.0				5			
4.2				5			
4.4				4			
4.6				4			
4.8				3			
5.0				4			
5.2				6			
5.4				4			
5.6				6			
5.8				4			
6.0				14			

REMARKS
Soils tested in accordance with NZGS

SYMBOLS
 ▼ Standing Water Level
 ◁ Out flow
 ▷ In flow

Produced with Core-GS by Geotec



DCP LOG

DCP7.77

SHEET 86 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 86
PROJECT: 183970602	EASTING:	STARTED: 13-05-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING:	FINISHED: 13-05-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: BR/VE DATE: 13-05-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 0°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
					4 8 12 16		
0.2				2			
0.3				2			
0.4				3			
0.5				6			
0.6				6			
0.7				4			
0.8				3			
0.9				3			
1.0				3			
1.1				2			
1.2				3			
1.3				4			
1.4				5			
1.5				5			
1.6				5			
1.7				4			
1.8				3			
1.9				3			
2.0				3			
2.1				3			
2.2				3			
2.3				3			
2.4				4			
2.5				7			
2.6				7			
2.7				7			
2.8				7			
2.9				10			

REMARKS Soils tested in accordance with NZGS	SYMBOLS ▼ Standing Water Level ◁ Out flow ▷ In flow
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Produced with Core-GS by Geotec



DCP LOG

DCP7.78

SHEET 87 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 86
PROJECT: 183970602	EASTING:	STARTED: 13-05-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING:	FINISHED: 13-05-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: BR/VE DATE: 13-05-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 0°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
				4 8 12 16		
0.2			2			
0.3			3			
0.4			3			
0.5			9			
0.6			7			
0.7			5			
0.8			5			
0.9			7			
1.0			7			
1.1			3			
1.2			3			
1.3			5			
1.4			4			
1.5			5			
1.6			5			
1.7			6			
1.8			5			
1.9			4			
2.0			4			
2.1			4			
2.2			4			
2.3			3			
2.4			4			
2.5			5			
2.6			5			
2.7			7			
2.8			8			
2.9			9			
3.0			10			
3.5						
4.0						
4.5						

REMARKS
Soils tested in accordance with NZGS

SYMBOLS

- ▼ Standing Water Level
- ◁ Out flow
- ▷ In flow

Produced with Core-GS by Geotec



DCP LOG

DCP7.79

SHEET 88 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 86
PROJECT: 183970602	EASTING:	STARTED: 13-05-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING:	FINISHED: 13-05-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: BR/VE DATE: 13-05-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 0°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
					4 8 12 16		
0.5		Groundwater Not Encountered		1			
				2			
				5			
				5			
				5			
				7			
				4			
				3			
				3			
1.0				3			
				3			
				5			
				5			
				5			
1.5				6			
				6			
			4				
			4				
			3				
2.0			3				
			4				
			4				
			5				
			5				
2.5			7				
			9				
			14				
			16				
3.0							
3.5							
4.0							
4.5							

REMARKS
Soils tested in accordance with NZGS

SYMBOLS
 ▼ Standing Water Level
 ◁ Out flow
 ▷ In flow

Produced with Core-GS by Geotec



DCP LOG

DCP7.80

SHEET 89 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 86
PROJECT: 183970602	EASTING:	STARTED: 13-05-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING:	FINISHED: 13-05-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: BR/VE DATE: 13-05-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 0°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
			DATA	4 8 12 16		
0.0			1	1		
0.1			2	2		
0.2			3	3		
0.3			9	9		
0.4			6	6		
0.5			3	3		
0.6			3	3		
0.7			2	2		
0.8			2	2		
0.9			2	2		
1.0			3	3		
1.1			3	3		
1.2			3	3		
1.3			6	6		
1.4			6	6		
1.5			5	5		
1.6			4	4		
1.7			3	3		
1.8			2	2		
1.9			2	2		
2.0			3	3		
2.1			4	4		
2.2			8	8		
2.3			8	8		
2.4			8	8		
2.5			9	9		
2.6			11	11		
2.7			16	16		
3.0						
3.5						
4.0						
4.5						

REMARKS
Soils tested in accordance with NZGS

SYMBOLS

- ▼ Standing Water Level
- ◁ Out flow
- ▷ In flow

Produced with Core-GS by Geotec



DCP LOG

DCP7.81

SHEET 90 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 87
PROJECT: 183970602	EASTING:	STARTED: 13-05-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING:	FINISHED: 13-05-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: BR/VE DATE: 13-05-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 0°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
					4 8 12 16		
0.2				2			
0.3				2			
0.4				2			
0.5				4			
0.6				5			
0.7				4			
0.8				1			
0.9				3			
1.0				3			
1.1				3			
1.2				3			
1.3				3			
1.4				4			
1.5				4			
1.6				3			
1.7				2			
1.8				4			
1.9				3			
2.0				2			
2.1				3			
2.2				2			
2.3				2			
2.4				2			
2.5				3			
2.6				5			
2.7				13			
2.8				14			
3.0				+ Double bounce			

REMARKS
Soils tested in accordance with NZGS

- SYMBOLS**
- ▼ Standing Water Level
 - ◁ Out flow
 - ▷ In flow

Produced with Core-GS by Geotec



DCP LOG

DCP7.82

SHEET 91 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 87
PROJECT: 183970602	EASTING:	STARTED: 13-05-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING:	FINISHED: 13-05-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: BR/VE DATE: 13-05-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 0°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS	
		undwater Not Encounte					
			DATA				
				4 8 12 16			
0.5			3				
			4				
			9				
			7				
			14				
			15				
			+ Double bounce 50mm				
1.0							
1.5							
2.0							
2.5							
3.0							
3.5							
4.0							
4.5							

REMARKS
Soils tested in accordance with NZGS

SYMBOLS

- ▼ Standing Water Level
- ⇐ Out flow
- ▷ In flow



DCP LOG

DCP7.83

SHEET 92 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 87
PROJECT: 183970602	EASTING:	STARTED: 13-05-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING:	FINISHED: 13-05-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: BR/VE DATE: 13-05-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 0°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS				SAMPLES & TESTS	ADDITIONAL REMARKS	
					4	8	12	16			
		Water Not Ent		3							
				5							
				7							
				+ Double bounce							
0.5											
1.0											
1.5											
2.0											
2.5											
3.0											
3.5											
4.0											
4.5											

REMARKS
Soils tested in accordance with NZGS

SYMBOLS

- ▼ Standing Water Level
- ◁ Out flow
- ▷ In flow

Produced with Core-GS by Geac



DCP LOG

DCP7.84

SHEET 93 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 87
PROJECT: 183970602	EASTING:	STARTED: 13-05-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING:	FINISHED: 13-05-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: BR/VE DATE: 13-05-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 0°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
					4 8 12 16		
0.2				2			
0.4				4			
0.6				4			
0.8				8			
1.0				7			
1.2				4			
1.4				4			
1.6				3			
1.8				2			
2.0				3			
2.2				4			
2.4				5			
2.6				5			
2.8				6			
3.0				5			
3.2				3			
3.4				4			
3.6				5			
3.8				4			
4.0				3			
4.2				4			
4.4				3			
4.6				4			
4.8				5			
5.0				6			
5.2				6			
5.4				12			

REMARKS
Soils tested in accordance with NZGS

- SYMBOLS**
- ▼ Standing Water Level
 - ◁ Out flow
 - ▷ In flow

Produced with Core-GS by Geotec



DCP LOG

DCP7.85

SHEET 94 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 88
PROJECT: 183970602	EASTING:	STARTED: 13-05-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING:	FINISHED: 13-05-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: BR/VE DATE: 13-05-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 0°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DCP BLOWS				SAMPLES & TESTS	ADDITIONAL REMARKS
				DATA	4	8	12		
0.0				3					
0.1				3					
0.2				3					
0.3				3					
0.4				5					
0.5				5					
0.6				3					
0.7				4					
0.8				5					
0.9				5					
1.0				4					
1.1				3					
1.2				3					
1.3				4					
1.4				4					
1.5				3					
1.6				3					
1.7				3					
1.8				3					
1.9				3					
2.0				5					
2.1				9					
2.2				5					
2.3				4					
2.4				5					
2.5				4					
2.6				4					
2.7				5					
2.8				8					
2.9									
3.0									
3.5									
4.0									
4.5									

REMARKS
Soils tested in accordance with NZGS

- SYMBOLS**
- ▼ Standing Water Level
 - ◁ Out flow
 - ▷ In flow

Produced with Core-GS by Geac



DCP LOG

DCP7.86

SHEET 95 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 88
PROJECT: 183970602	EASTING:	STARTED: 13-05-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING:	FINISHED: 13-05-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: BR/VE DATE: 13-05-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 0°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DCP BLOWS				SAMPLES & TESTS	ADDITIONAL REMARKS
				DATA	4	8	12		
0.5		Groundwater Not Encountered		2 2 7 8 9 11 6 7 12					
1.0				+ Double bounce 150mm					
1.5									
2.0									
2.5									
3.0									
3.5									
4.0									
4.5									

REMARKS
Soils tested in accordance with NZGS

SYMBOLS

- ▼ Standing Water Level
- ◁ Out flow
- ▷ In flow

Produced with Core-GS by Geac



DCP LOG

DCP7.87

SHEET 96 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 88
PROJECT: 183970602	EASTING:	STARTED: 13-05-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING:	FINISHED: 13-05-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: BR/VE DATE: 13-05-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 0°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
				DATA		
				4 8 12 16		
0.2		Groundwater Not Encountered		2		
0.3			2			
0.4			3			
0.5			5			
0.6			15			
0.7			10			
0.8			8			
0.9			9			
1.0			10			
1.1			7			
1.2			7			
1.3			5			
1.4			5			
1.5			6			
1.6			7			
1.7			6			
1.8			5			
1.9			4			
2.0			6			
2.1			5			
2.2			5			
2.3			4			
2.4			3			
2.5			3			
2.6		5				
2.7		4				
2.8		5				
2.9		9				
3.0		12				

REMARKS
Soils tested in accordance with NZGS

SYMBOLS
 ▼ Standing Water Level
 ◁ Out flow
 ▷ In flow

Produced with Core-GS by Geotec



DCP LOG

DCP7.88

SHEET 97 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 88
PROJECT: 183970602	EASTING:	STARTED: 13-05-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING:	FINISHED: 13-05-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: BR/VE DATE: 13-05-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 0°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
					4 8 12 16		
0.2				2			
0.3				3			
0.4				3			
0.5				5			
0.6				6			
0.7				4			
0.8				5			
0.9				5			
1.0				7			
1.1				5			
1.2				4			
1.3				4			
1.4				4			
1.5				5			
1.6				6			
1.7				5			
1.8				3			
1.9				3			
2.0				5			
2.1				4			
2.2				4			
2.3				4			
2.4				4			
2.5				6			
2.6				5			
2.7				4			
2.8				4			
2.9				6			
3.0				15			

REMARKS Soils tested in accordance with NZGS	SYMBOLS ▼ Standing Water Level ◁ Out flow ▷ In flow
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DCP LOG

DCP7.89

SHEET 98 OF 98

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 7, Lot 89
PROJECT: 183970602	EASTING:	STARTED: 13-05-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING:	FINISHED: 13-05-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: BR/VE DATE: 13-05-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 0°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
			DATA	4 8 12 16		
0.2		Groundwater Not Encountered		2		
0.3			3			
0.4			3			
0.5			4			
0.6			4			
0.7			6			
0.8			4			
0.9			5			
1.0			4			
1.1			5			
1.2			7			
1.3			6			
1.4			3			
1.5			4			
1.6			4			
1.7			4			
1.8			3			
1.9			3			
2.0			3			
2.1			3			
2.2			4			
2.3			4			
2.4			4			
2.5			5			
2.6			5			
2.7			5			
2.8			8			
2.9			14			
3.0			+ Double bounce			
3.5						
4.0						
4.5						

REMARKS
Soils tested in accordance with NZGS

SYMBOLS

- ▼ Standing Water Level
- ⇐ Out flow
- ▷ In flow

Produced with Core-GS by Geotec

APPENDIX B - STAGE 8 HAND AUGER & DCP LOGS



HAND AUGER LOG

HA8.01

SHEET 1 OF 15

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM	SUB-LOCATION: Stage 8, Lot 171
PROJECT: 183970602	EASTING: 1928293.59	STARTED: 31-07-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607882.16	FINISHED: 31-07-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: LW DATE: 09-08-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	DIAMETER: 0mm	STATUS: Final data

CONTRACTOR: _____ OPERATOR: _____

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	ROCK / SOIL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY / DENSITY	CLASSIFICATION	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
0.5	-0.5			Silty TOPSOIL, with some gravel; dark brown. Firm; non-plastic; moist.	M	FM				
1.0	-1.0			Sandy SILT; brown. Loose; low plasticity; moist; with mottled grey. EOH: 1.20m		L				
1.5	-1.5									
2.0	-2.0									
2.5	-2.5									
3.0	-3.0									
3.5	-3.5									
4.0	-4.0									
4.5	-4.5									

REMARKS
Ground water not encountered

SYMBOLS
 Standing Water Level
 Out flow
 In flow



HAND AUGER LOG

HA8.02

SHEET 2 OF 15

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM	SUB-LOCATION: Stage 8, Lot 110
PROJECT: 183970602	EASTING: 1928311.13	STARTED: 31-07-2020
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607896.81	FINISHED: 31-07-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: lw DATE: 09-08-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	DIAMETER: 0mm	STATUS: Final data

CONTRACTOR: _____ OPERATOR: _____

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	ROCK / SOIL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY / DENSITY	CLASSIFICATION	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
0.5	-0.5			Silty TOPSOIL, with some gravel; dark brown. Firm; non-plastic; moist.		FM				
1.0	-1.0			Sandy SILT; light brown. Firm; non-plastic; moist; with grey mottling .	M					
1.0	-1.0			Sandy SILT; brown. Soft; low plasticity; moist; mottled grey .		S				
				EOH: 1.20m						
1.5	-1.5									
2.0	-2.0									
2.5	-2.5									
3.0	-3.0									
3.5	-3.5									
4.0	-4.0									
4.5	-4.5									

REMARKS
Ground water not encountered

SYMBOLS
 Standing Water Level
 Out flow
 In flow



HAND AUGER LOG

HA8.03

SHEET 3 OF 15

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM	SUB-LOCATION: Stage 8, Lot 111
PROJECT: 183970602	EASTING: 1928332.43	STARTED: 05-08-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607911.70	FINISHED: 05-08-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: LW DATE: 09-08-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	DIAMETER: 0mm	STATUS: Final data

CONTRACTOR: _____ OPERATOR: _____

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	ROCK / SOIL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY / DENSITY	CLASSIFICATION	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
0.0	-0.5			TOPSPOIL; Sandy SILT, trace of gravel, dark brown, soft, non plastic, moist .	M	S				
0.5	-0.5			[FILL] SILT, gravelly, light brown, soft, non-plastic, moist .						
1.0	-1.0			Silty SAND, light brown, moist, non-plastic, loose, medium dense .						
				EOH: 1.20m						
1.5	-1.5									
2.0	-2.0									
2.5	-2.5									
3.0	-3.0									
3.5	-3.5									
4.0	-4.0									
4.5	-4.5									

REMARKS
Ground water not encountered

SYMBOLS
 Standing Water Level
 Out flow
 In flow



HAND AUGER LOG

HA8.04

SHEET 4 OF 15

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM	SUB-LOCATION: Stage 8, Lot 112
PROJECT: 183970602	EASTING: 1928348.11	STARTED: 05-08-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607926.40	FINISHED: 05-08-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: LW DATE: 09-08-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	DIAMETER: 0mm	STATUS: Final data

CONTRACTOR: _____ OPERATOR: _____

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	ROCK / SOIL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY / DENSITY	CLASSIFICATION	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
				TOPSOIL; Sandy SILT with some gravel, soft, moist .						
0.5	-0.5			Gravelly SILT, gravelly, light brown, moist, soft [Fill].						
1.0	-1.0			Silty SAND, light brown, moist, loose, medium dense, non-plastic .						
				EOH: 1.35m						
1.5	-1.5									
2.0	-2.0									
2.5	-2.5									
3.0	-3.0									
3.5	-3.5									
4.0	-4.0									
4.5	-4.5									

REMARKS
Ground water not encountered

SYMBOLS
 ▼ Standing Water Level
 ◁ Out flow
 ▷ In flow



HAND AUGER LOG

HA8.05

SHEET 5 OF 15

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM	SUB-LOCATION: Stage 8, Lot 113
PROJECT: 183970602	EASTING: 1928362.38	STARTED: 05-08-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607902.88	FINISHED: 05-08-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: LW DATE: 09-08-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	DIAMETER: 0mm	STATUS: Final data

CONTRACTOR: _____ OPERATOR: _____

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	ROCK / SOIL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY / DENSITY	CLASSIFICATION	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
0.0	-0.5			TOPSOIL; Sandy SILT, dark brown, moist, soft, non-plastic .						
0.5	-0.5			Sandy SILT, light brown, moist, soft, orange mottle, non-plastic, trace of gravel, trace topsoil [FILL].						
1.0	-1.0			Silty SAND with trace of clay, moist, medium dense, low plastic, light brown, orange + grey mottled .						
2.0	-2.0			EOH: 2.00m						
2.5	-2.5									
3.0	-3.0									
3.5	-3.5									
4.0	-4.0									
4.5	-4.5									

REMARKS
Ground water not encountered

SYMBOLS
 Standing Water Level
 Out flow
 In flow



HAND AUGER LOG

HA8.06

SHEET 6 OF 15

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM	SUB-LOCATION: Stage 8, Lot 114
PROJECT: 183970602	EASTING: 1928370.77	STARTED: 05-08-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607887.89	FINISHED: 05-08-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: LW DATE: 09-08-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	DIAMETER: 0mm	STATUS: Final data

CONTRACTOR: _____ OPERATOR: _____

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	ROCK / SOIL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY / DENSITY	CLASSIFICATION	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
0.0	-0.5		TS	TOPSOIL; Sandy SILT, dark brown, moist, soft, low-plastic .						
0.5	-0.5			Sandy SILT, trace top soil and gravel, light brown, soft, moist, orange mottle [FILL].						
1.0	-1.0			Silty SAND, light brown, moist, loose, medium dense, orange + grey mottle .						
1.5	-1.5			Sandy CLAY, light brown, moist, low-medium plasticity, soft .						
2.0	-2.0			EOH: 1.80m Termination: Hole Collapsing						
2.5	-2.5									
3.0	-3.0									
3.5	-3.5									
4.0	-4.0									
4.5	-4.5									

REMARKS
Hole Collapsing

SYMBOLS

- ▼ Standing Water Level
- ◁ Out flow
- ▷ In flow



HAND AUGER LOG

HA8.07

SHEET 7 OF 15

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM	SUB-LOCATION: Stage 8, Lot 115
PROJECT: 183970602	EASTING: 1928382.13	STARTED: 05-08-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607869.26	FINISHED: 05-08-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: LW DATE: 09-08-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	DIAMETER: 0mm	STATUS: Final data

CONTRACTOR: _____ OPERATOR: _____

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	ROCK / SOIL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY / DENSITY	CLASSIFICATION	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
0.0	-0.5			TOPSOIL; Sandy SILT, dark brown, moist, soft-firm, orange mottle .						
0.5	-1.0			Sandy SILT, trace of topsoil and gravel, light brown, moist, soft-firm, orange mottle [FILL].						
1.0	-1.5			Silty SAND, light brown, moist, loose, orange + grey mottle .						
1.5	-1.5			EOH: 1.40m						
2.0	-2.0									
2.5	-2.5									
3.0	-3.0									
3.5	-3.5									
4.0	-4.0									
4.5	-4.5									

REMARKS
Ground water not encountered

SYMBOLS
 Standing Water Level
 Out flow
 In flow



HAND AUGER LOG

HA8.08

SHEET 8 OF 15

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM	SUB-LOCATION: Stage 8, Lot 116
PROJECT: 183970602	EASTING: 1928394.41	STARTED: 05-08-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607851.13	FINISHED: 05-08-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: LW DATE: 09-08-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	DIAMETER: 0mm	STATUS: Final data

CONTRACTOR: _____ OPERATOR: _____

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	ROCK / SOIL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY / DENSITY	CLASSIFICATION	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
				TOPSOIL; Sandy SILT, dark brown, moist, soft .						
0.5	-0.5			Sandy SILT, trace of gravel, light brown, soft-firm, moist, orange mottle, low-plastic [FILL].						
1.0	-1.0			Silty SAND, light brown, moist, loose, orange + grey mottle, non-plastic .						
				EOH: 1.40m						
1.5	-1.5									
2.0	-2.0									
2.5	-2.5									
3.0	-3.0									
3.5	-3.5									
4.0	-4.0									
4.5	-4.5									

REMARKS
Ground water not encountered

SYMBOLS
 Standing Water Level
 Out flow
 In flow



HAND AUGER LOG

HA8.09

SHEET 9 OF 15

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM	SUB-LOCATION: Stage 8, Lot 117
PROJECT: 183970602	EASTING: 1928406.28	STARTED: 05-08-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607840.12	FINISHED: 05-08-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: LW DATE: 09-08-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	DIAMETER: 0mm	STATUS: Final data

CONTRACTOR: _____ OPERATOR: _____

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	ROCK / SOIL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY / DENSITY	CLASSIFICATION	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
0.0	-0.5			[TOPSOIL] Sandy SILT, dark brown, moist, soft .						
0.5	-0.5			Sandy SILT, trace of the gravel, moist, soft, non-plastic [FILL].						
1.0	-1.0			Silty SAND, light brown, moist, loose, non-plastic .						
1.30	-1.30			EOH: 1.30m						
1.5	-1.5									
2.0	-2.0									
2.5	-2.5									
3.0	-3.0									
3.5	-3.5									
4.0	-4.0									
4.5	-4.5									

REMARKS
Ground water not encountered

SYMBOLS
 Standing Water Level
 Out flow
 In flow



HAND AUGER LOG

HA8.10

SHEET 10 OF 15

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM	SUB-LOCATION: Stage 8, Lot 104
PROJECT: 183970602	EASTING: 1928388.43	STARTED: 06-08-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607792.67	FINISHED: 06-08-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: LW DATE: 09-08-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	DIAMETER: 0mm	STATUS: Final data

CONTRACTOR: _____ OPERATOR: _____

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	ROCK / SOIL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY / DENSITY	CLASSIFICATION	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
0.0	-0.5			TOPSOIL; SILT, dark brown, moist, soft, low-plastic .						
0.5	-0.5			Sandy SILT with brown trace, gravel and trace topsoil, moist, soft-firm, orange mottling [FILL] .						
1.0	-1.0			Silty SAND, light brown, moist, loose, non-plastic, orange mottle .						
				EOH: 1.20m						
1.5	-1.5									
2.0	-2.0									
2.5	-2.5									
3.0	-3.0									
3.5	-3.5									
4.0	-4.0									
4.5	-4.5									

REMARKS
Ground water not encountered

SYMBOLS
 Standing Water Level
 Out flow
 In flow



HAND AUGER LOG

HA8.11

SHEET 11 OF 15

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM	SUB-LOCATION: Stage 8, Lot 105
PROJECT: 183970602	EASTING: 1928378.55	STARTED: 06-08-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607803.39	FINISHED: 06-08-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: LW DATE: 09-08-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	DIAMETER: 0mm	STATUS: Final data

CONTRACTOR: _____ OPERATOR: _____

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	ROCK / SOIL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY / DENSITY	CLASSIFICATION	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
				TOPSOIL; SILT, dark brown, moist, soft .						
0.5	-0.5			Sandy SILT, light brown, moist, soft, non-plastic, orange mottle [FILL].						
1.0	-1.0			Silty SAND, light brown, loose, moist, orange mottle, non-plastic .						
				EOH: 1.30m						
1.5	-1.5									
2.0	-2.0									
2.5	-2.5									
3.0	-3.0									
3.5	-3.5									
4.0	-4.0									
4.5	-4.5									

REMARKS
Ground water not encountered

SYMBOLS

- ▼ Standing Water Level
- ⇐ Out flow
- ▷ In flow



HAND AUGER LOG

HA8.12

SHEET 12 OF 15

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM	SUB-LOCATION: Stage 8, Lot 106
PROJECT: 183970602	EASTING: 1928364.48	STARTED: 06-08-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607821.62	FINISHED: 06-08-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: LW DATE: 09-08-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	DIAMETER: 0mm	STATUS: Final data

CONTRACTOR: _____ OPERATOR: _____

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	ROCK / SOIL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY / DENSITY	CLASSIFICATION	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
0.0	-0.5			[TOPSOIL] dark brown, moist, non-plastic, soft .						
0.5	-1.0			[FILL] Sandy SILT, light brown, non-plastic, soft-firm, moist .						
1.0	-1.5			Silty SAND, light brown, loose, medium dense, moist, non-plastic .						
1.5	-2.0			EOH: 1.50m						
2.0	-2.5									
2.5	-3.0									
3.0	-3.5									
3.5	-4.0									
4.0	-4.5									
4.5										

REMARKS
Ground water not encountered

SYMBOLS
 Standing Water Level
 Out flow
 In flow



HAND AUGER LOG

HA8.13

SHEET 13 OF 15

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM	SUB-LOCATION: Stage 8, Lot 107
PROJECT: 183970602	EASTING: 1928350.42	STARTED: 06-08-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607835.40	FINISHED: 06-08-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: LW DATE: 09-08-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	DIAMETER: 0mm	STATUS: Final data

CONTRACTOR: _____ OPERATOR: _____

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	ROCK / SOIL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY / DENSITY	CLASSIFICATION	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
0.5	-0.5			TOPSOIL; SILT, dark brown, moist, soft .						
0.8	-0.8			Sandy SILT, light brown, orange mottle, moist, soft-firm [FILL] .						
1.0	-1.0			Silty SAND, light brown, moist, non-plastic, loose, fine .						
EOH: 1.30m										
1.5	-1.5									
2.0	-2.0									
2.5	-2.5									
3.0	-3.0									
3.5	-3.5									
4.0	-4.0									
4.5	-4.5									

REMARKS
Ground water not encountered

SYMBOLS
 Standing Water Level
 Out flow
 In flow



HAND AUGER LOG

HA8.14

SHEET 14 OF 15

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM	SUB-LOCATION: Stage 8, Lot 108
PROJECT: 183970602	EASTING: 1928341.92	STARTED: 06-08-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607851.40	FINISHED: 06-08-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: LW DATE: 09-08-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	DIAMETER: 0mm	STATUS: Final data

CONTRACTOR: _____ OPERATOR: _____

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	ROCK / SOIL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY / DENSITY	CLASSIFICATION	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
0.5	-0.5			TOPSOIL; SILT, dark brown, moist, soft, non-plastic .						
0.8	-0.8			Sandy SILT, light brown, moist, orange mottle, trace topsoil, non-plastic [FILL].						
1.0	-1.0			Silty SAND, light brown, orange mottle, moist, loose, non-plastic .						
1.4	-1.4			EOH: 1.40m						
1.5	-1.5									
2.0	-2.0									
2.5	-2.5									
3.0	-3.0									
3.5	-3.5									
4.0	-4.0									
4.5	-4.5									

REMARKS
Ground water not encountered

SYMBOLS
 Standing Water Level
 Out flow
 In flow



HAND AUGER LOG

HA8.15

SHEET 15 OF 15

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM	SUB-LOCATION: Stage 8, Lot 109
PROJECT: 183970602	EASTING: 1928326.46	STARTED: 06-08-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607864.07	FINISHED: 06-08-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: LW DATE: 09-08-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	DIAMETER: 0mm	STATUS: Final data

CONTRACTOR: _____ OPERATOR: _____

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	ROCK / SOIL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY / DENSITY	CLASSIFICATION	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
0.5	-0.5			TOPSOIL; SILT, brown, sot, moist, non-plastic .						
0.8	-0.8			Sandy SILT, trace topsoil + gravel, light brown, moist, soft, non-plastic [FILL] .						
1.0	-1.0			Silty SAND, light brown, loose, moist, orange mottle + grey mottle, non-plastic .						
				EOH: 1.25m						
1.5	-1.5									
2.0	-2.0									
2.5	-2.5									
3.0	-3.0									
3.5	-3.5									
4.0	-4.0									
4.5	-4.5									

REMARKS
Ground water not encountered

SYMBOLS
 Standing Water Level
 Out flow
 In flow



DCP LOG

DCP8.01

SHEET 1 OF 60

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 8, Lot 171
PROJECT: 183970602	EASTING: 1928285.20	STARTED: 31-07-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607886.65	FINISHED: 31-07-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: BR/AR DATE: 09-08-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
					4 8 12 16		
0.5	-0.5	Groundwater Not Encountered		4			
				3			
				2			
				2			
				2			
				1			
				3			
				6			
1.0	-1.0			3			
				4			
				3			
				5			
				6			
				5			
				4			
				6			
				9			
			8				
2.0	-2.0						
2.5	-2.5						
3.0	-3.0						
3.5	-3.5						
4.0	-4.0						
4.5	-4.5						

REMARKS
Soils tested in accordance with NZGS

SYMBOLS

- ▼ Standing Water Level
- ◁ Out flow
- ▷ In flow

Produced with Core-GS by Geotec



DCP LOG

DCP8.02

SHEET 2 OF 60

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 8, Lot 171
PROJECT: 183970602	EASTING: 1928295.83	STARTED: 31-07-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607892.65	FINISHED: 31-07-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: BR/AR DATE: 09-08-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
					4 8 12 16		
0.5	-0.5	Groundwater Not Encountered		3 4 4 5 7 6 7 10 9			
1.0	-1.0						
1.5	-1.5						
2.0	-2.0						
2.5	-2.5						
3.0	-3.0						
3.5	-3.5						
4.0	-4.0						
4.5	-4.5						

REMARKS
Soils tested in accordance with NZGS

- SYMBOLS**
- ▼ Standing Water Level
 - ◁ Out flow
 - ▷ In flow

Produced with Core-GS by Geotec



DCP LOG

DCP8.03

SHEET 3 OF 60

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 8, Lot 171
PROJECT: 183970602	EASTING: 1928303.61	STARTED: 31-07-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607879.87	FINISHED: 31-07-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: BR/AR DATE: 09-08-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
					4 8 12 16		
0.5	-0.5	Groundwater Not Encountered		7			
			6				
			4				
			3				
			5				
			3				
			3				
			6				
			4				
			3				
			6				
			7				
			6				
			6				
			8				
			6				
			4				
			5				
		6					
2.0	-2.0						
2.5	-2.5						
3.0	-3.0						
3.5	-3.5						
4.0	-4.0						
4.5	-4.5						

REMARKS
Soils tested in accordance with NZGS

- SYMBOLS**
- ▼ Standing Water Level
 - ◁ Out flow
 - ▷ In flow

Produced with Core-GS by Geac



DCP LOG

DCP8.04

SHEET 4 OF 60

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 8, Lot 171
PROJECT: 183970602	EASTING: 1928295.80	STARTED: 31-07-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607871.36	FINISHED: 31-07-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: BR/AR DATE: 09-08-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
					4 8 12 16		
0.5	-0.5	Groundwater Not Encountered		9 8 6 6 6 6 5 5			
1.0	-1.0						
1.5	-1.5						
2.0	-2.0						
2.5	-2.5						
3.0	-3.0						
3.5	-3.5						
4.0	-4.0						
4.5	-4.5						

REMARKS
Soils tested in accordance with NZGS

- SYMBOLS**
- ▼ Standing Water Level
 - ◁ Out flow
 - ▷ In flow

Produced with Core-GS by Geotec



DCP LOG

DCP8.05

SHEET 5 OF 60

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 8, Lot 110
PROJECT: 183970602	EASTING: 1928310.56	STARTED: 31-07-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607888.03	FINISHED: 31-07-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: BR/AR DATE: 09-08-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS	
		roundwater Not Encountered			4 8 12 16			
0.5	-0.5			2				
				2				
				1				
				2				
				2				
				3				
				10				
				+5 Double Bounce				
1.0	-1.0							
1.5	-1.5							
2.0	-2.0							
2.5	-2.5							
3.0	-3.0							
3.5	-3.5							
4.0	-4.0							
4.5	-4.5							

REMARKS
Soils tested in accordance with NZGS

SYMBOLS

- ▼ Standing Water Level
- ◁ Out flow
- ▷ In flow

Produced with Core-GS by Geac



DCP LOG

DCP8.06

SHEET 6 OF 60

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 8, Lot 110
PROJECT: 183970602	EASTING: 1928301.87	STARTED: 31-07-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607900.47	FINISHED: 31-07-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: BR/AR DATE: 09-08-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
					4 8 12 16		
0.5	-0.5	Groundwater Not Encountered		1			
			2				
			4				
			8				
			5				
			4				
			4				
			4				
			7				
			5				
			3				
			3				
			5				
			7				
			7				
		7					
		4					
		8					
		7					
2.0	-2.0						
2.5	-2.5						
3.0	-3.0						
3.5	-3.5						
4.0	-4.0						
4.5	-4.5						

REMARKS
Soils tested in accordance with NZGS

SYMBOLS

- ▼ Standing Water Level
- ◁ Out flow
- ▷ In flow

Produced with Core-GS by Geotec

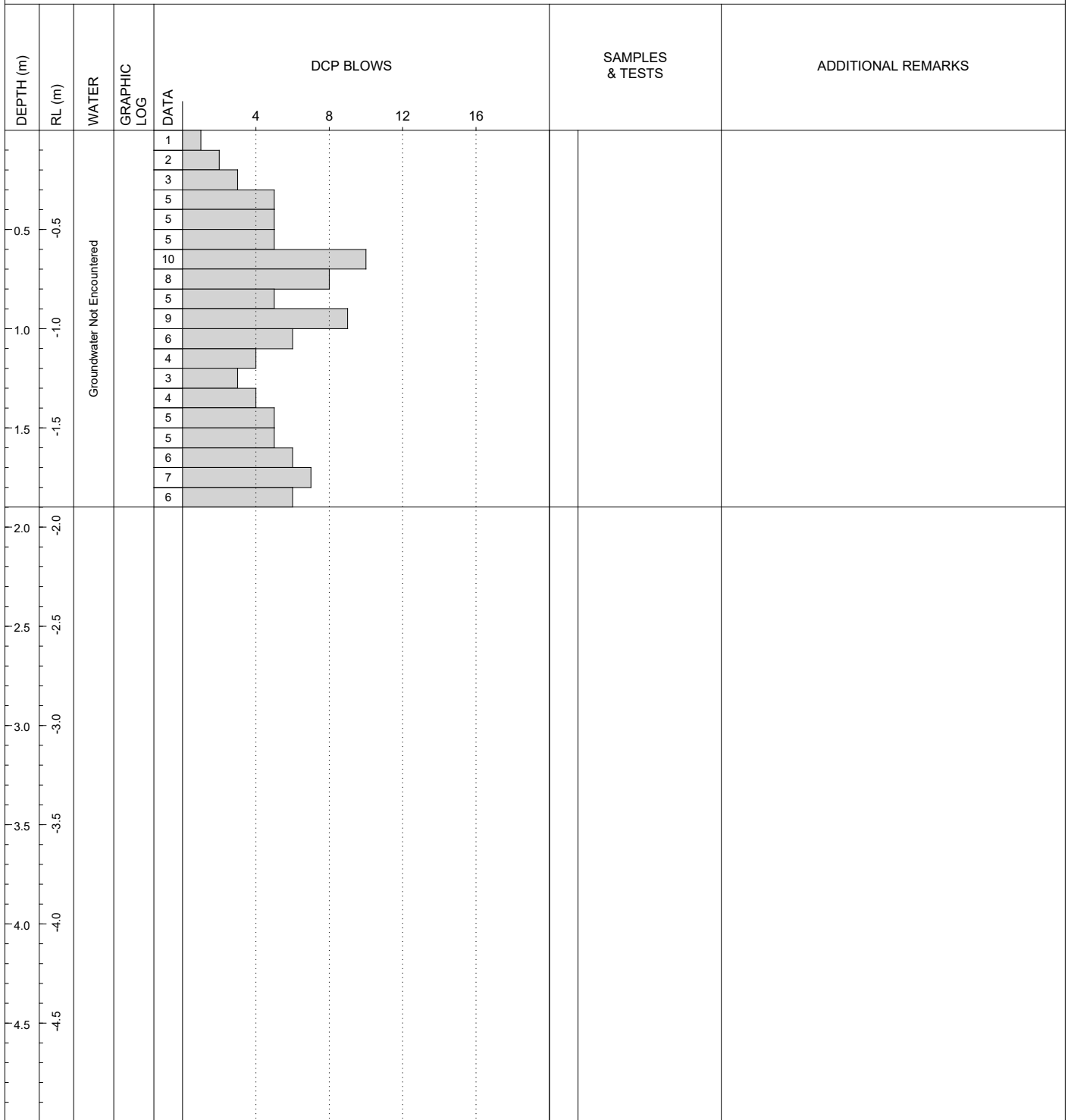


DCP LOG

DCP8.07

SHEET 7 OF 60

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 8, Lot 110
PROJECT: 183970602	EASTING: 1928312.59	STARTED: 31-07-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607907.88	FINISHED: 31-07-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: BR/AR DATE: 09-08-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data



REMARKS
Soils tested in accordance with NZGS

- SYMBOLS**
- ▼ Standing Water Level
 - ◁ Out flow
 - ▷ In flow

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DCP LOG

DCP8.08

SHEET 8 OF 60

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 8, Lot 110
PROJECT: 183970602	EASTING: 1928318.72	STARTED: 31-07-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607895.49	FINISHED: 31-07-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: BR/AR DATE: 09-08-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
					4 8 12 16		
0.2		Groundwater Not Encountered		2			
0.3				2			
0.4				4			
0.5				4			
0.6				5			
0.7				6			
0.8				5			
0.9				7			
1.0				5			
1.1				4			
1.2				4			
1.3				5			
1.4				6			
1.5				7			
1.6				6			
1.7				6			
1.8				5			
1.9			6				
2.0			5				

REMARKS
Soils tested in accordance with NZGS

SYMBOLS

- ▼ Standing Water Level
- ◁ Out flow
- ▷ In flow

Produced with Core-GS by Geotec



DCP LOG

DCP8.09

SHEET 9 OF 60

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 8, Lot 111
PROJECT: 183970602	EASTING: 1928318.07	STARTED: 05-08-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607916.62	FINISHED: 05-08-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: BR/AR DATE: 05-08-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
					4 8 12 16		
0.5	-0.5	Groundwater Not Encountered		8	8		
			14	12			
			12	12			
			6	6			
			12	12			
			12	12			
			7	7			
			5	5			
			5	5			
			3	3			
			3	3			
			5	5			
			6	6			
			5	5			
			9	9			
		9	9				
		9	9				
		6	6				
		6	6				
2.0	-2.0						
2.5	-2.5						
3.0	-3.0						
3.5	-3.5						
4.0	-4.0						
4.5	-4.5						

REMARKS
Soils tested in accordance with NZGS

SYMBOLS

- ▼ Standing Water Level
- ◁ Out flow
- ▷ In flow

Produced with Core-GS by Geotec



DCP LOG

DCP8.10

SHEET 10 OF 60

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 8, Lot 111
PROJECT: 183970602	EASTING: 1928328.90	STARTED: 05-08-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607905.01	FINISHED: 05-08-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: BR/AR DATE: 07-08-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
					4 8 12 16		
0.5	-0.5	Groundwater Not Encountered		5	4		
			10	8			
			7	8			
			5	4			
			3	4			
			2	4			
			2	4			
			1	4			
			2	4			
			3	4			
			4	4			
			5	4			
			5	4			
			4	4			
			5	4			
			4	4			
			5	4			
			3	4			
			5	4			
			3	4			
			4	4			
			5	4			
			6	4			
			4	4			
			3	4			
		5	4				
		5	4				
		6	4				
		8	4				
3.0	-3.0						
3.5	-3.5						
4.0	-4.0						
4.5	-4.5						

REMARKS
Soils tested in accordance with NZGS

SYMBOLS

- ▼ Standing Water Level
- ◁ Out flow
- ▷ In flow

Produced with Core-GS by Geotec



DCP LOG

DCP8.11

SHEET 11 OF 60

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 8, Lot 111
PROJECT: 183970602	EASTING: 1928339.26	STARTED: 05-08-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607913.33	FINISHED: 05-08-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: BR/AR DATE: 07-08-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
		roundwater Not Encountered			4 8 12 16		
0.5	-0.5			4			
				7			
				9			
				11			
				8			
				8			
				16			
1.0	-1.0						
1.5	-1.5						
2.0	-2.0						
2.5	-2.5						
3.0	-3.0						
3.5	-3.5						
4.0	-4.0						
4.5	-4.5						

REMARKS
Soils tested in accordance with NZGS

- SYMBOLS**
- ▼ Standing Water Level
 - ◁ Out flow
 - ▷ In flow

Produced with Core-GS by Geac



DCP LOG

DCP8.12

SHEET 12 OF 60

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 8, Lot 111
PROJECT: 183970602	EASTING: 1928330.06	STARTED: 05-08-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607924.06	FINISHED: 05-08-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: BR/AR DATE: 07-08-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
					4 8 12 16		
0.5	-0.5	Groundwater Not Encountered		2			
			4				
			5				
			6				
			6				
			11				
			12				
			8				
			8				
1.0	-1.0		6				
			6				
			7				
			7				
			9				
			8				
			12				
			10				
		8					
		8					
2.0	-2.0						
2.5	-2.5						
3.0	-3.0						
3.5	-3.5						
4.0	-4.0						
4.5	-4.5						

REMARKS
Soils tested in accordance with NZGS

SYMBOLS

- ▼ Standing Water Level
- ◁ Out flow
- ▷ In flow

Produced with Core-GS by Geotec

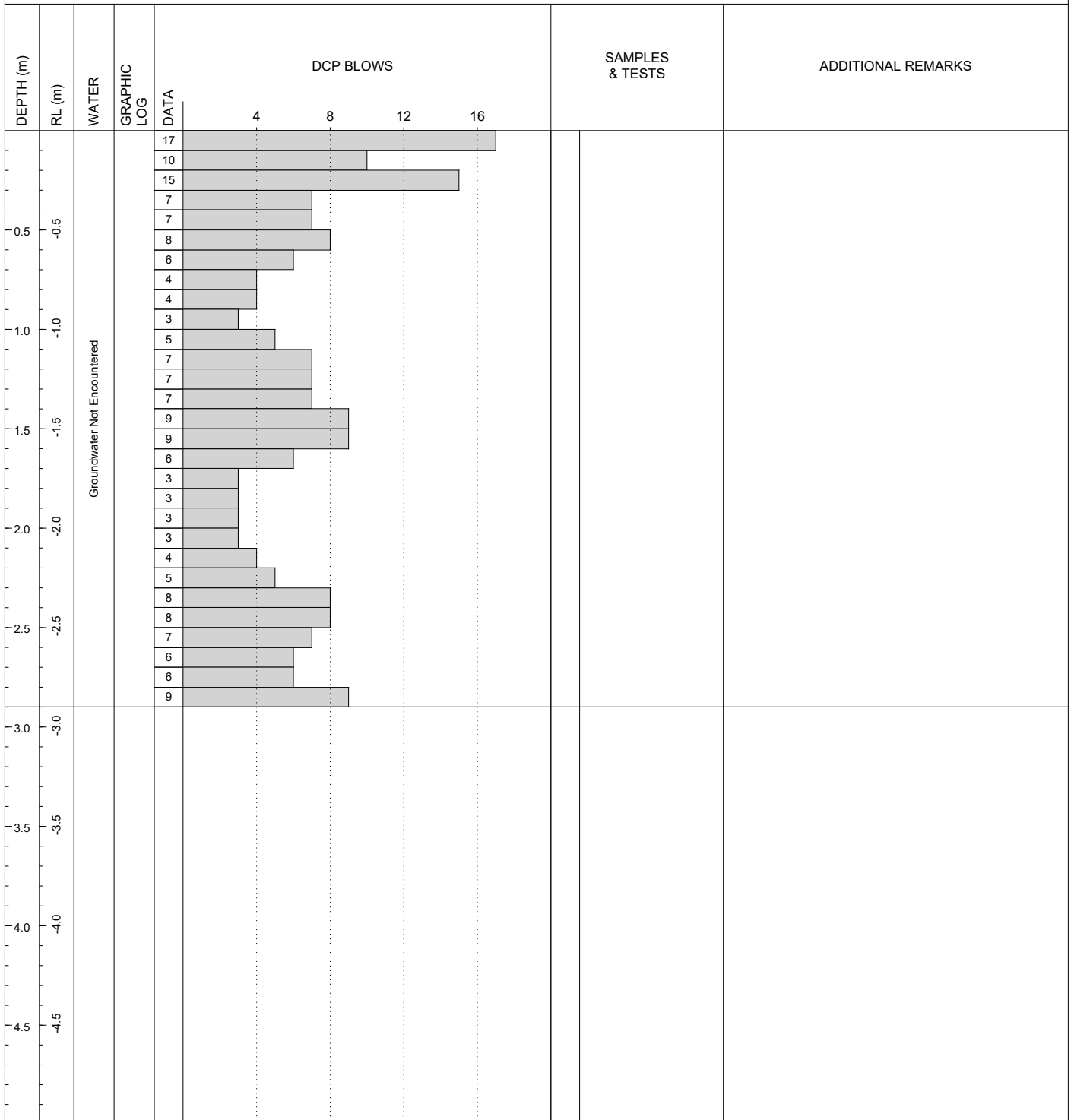


DCP LOG

DCP8.13

SHEET 13 OF 60

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 8, Lot 112
PROJECT: 183970602	EASTING: 1928338.29	STARTED: 05-08-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607930.68	FINISHED: 05-08-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: BR/AR DATE: 07-08-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data



REMARKS
Soils tested in accordance with NZGS

- SYMBOLS**
- ▼ Standing Water Level
 - ◁ Out flow
 - ▷ In flow

Produced with Core-GS by Geac

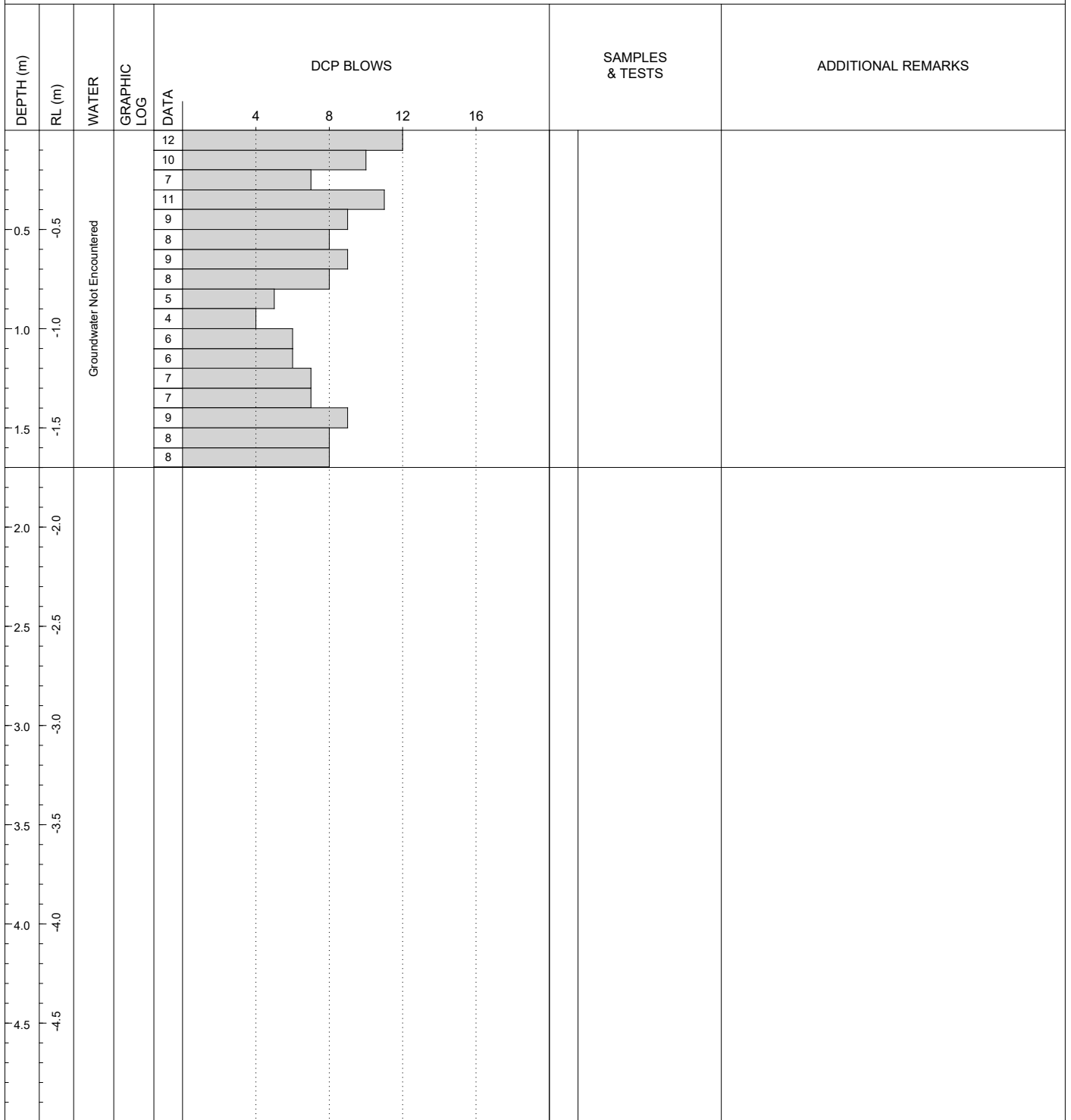


DCP LOG

DCP8.14

SHEET 14 OF 60

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 8, Lot 112
PROJECT: 183970602	EASTING: 1928351.97	STARTED: 05-08-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607933.37	FINISHED: 05-08-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: BR/AR DATE: 07-08-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data



REMARKS
Soils tested in accordance with NZGS

SYMBOLS
 ▼ Standing Water Level
 ◁ Out flow
 ▷ In flow

Produced with Core-GS by Geotec



DCP LOG

DCP8.15

SHEET 15 OF 60

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 8, Lot 112
PROJECT: 183970602	EASTING: 1928358.28	STARTED: 05-08-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607924.56	FINISHED: 05-08-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: BR/AR DATE: 07-08-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
					4 8 12 16		
0.5	-0.5	Groundwater Not Encountered		2			
			1				
			2				
			3				
			9				
			6				
			8				
			9				
			7				
			4				
1.0	-1.0			4			
				5			
				4			
				5			
				7			
				6			
				7			
				8			
				10			
2.0	-2.0						
2.5	-2.5						
3.0	-3.0						
3.5	-3.5						
4.0	-4.0						
4.5	-4.5						

REMARKS Soils tested in accordance with NZGS	SYMBOLS ▼ Standing Water Level ◁ Out flow ▷ In flow
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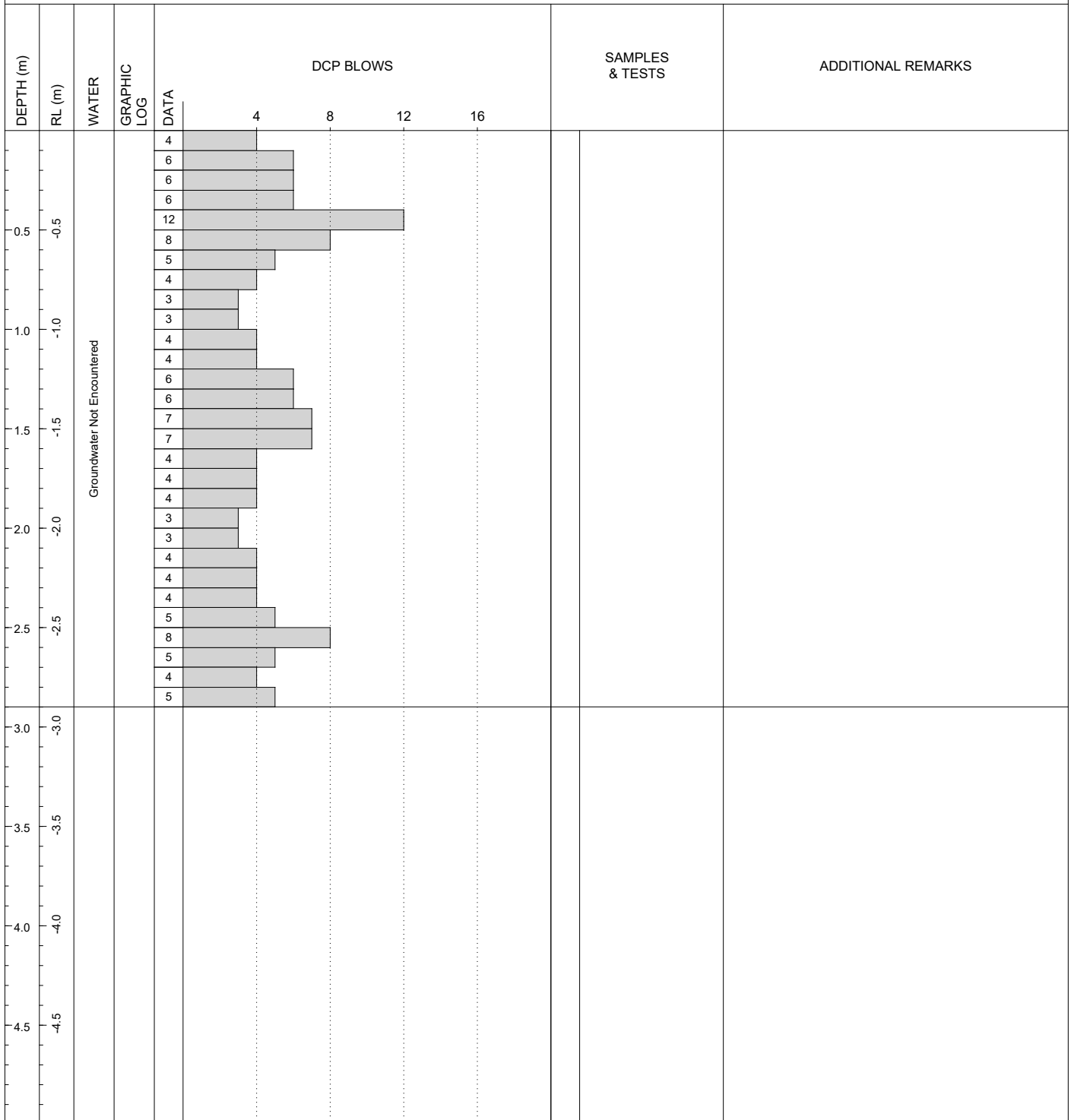


DCP LOG

DCP8.16

SHEET 16 OF 60

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 8, Lot 112
PROJECT: 183970602	EASTING: 1928349.44	STARTED: 05-08-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607919.83	FINISHED: 05-08-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: BR/AR DATE: 07-08-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data



REMARKS
Soils tested in accordance with NZGS

- SYMBOLS**
- ▼ Standing Water Level
 - ◁ Out flow
 - ▷ In flow

Produced with Core-GS by Geotec



DCP LOG

DCP8.17

SHEET 17 OF 60

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 8, Lot 113
PROJECT: 183970602	EASTING: 1928352.28	STARTED: 05-08-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607901.01	FINISHED: 05-08-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: BR/AR DATE: 07-08-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
					4 8 12 16		
0.5	-0.5	Groundwater Not Encountered		1			
			5				
			7				
			11				
			10				
			7				
			6				
			13				
			10				
			10				
			12				
1.0	-1.0						
1.5	-1.5						
2.0	-2.0						
2.5	-2.5						
3.0	-3.0						
3.5	-3.5						
4.0	-4.0						
4.5	-4.5						

REMARKS
Soils tested in accordance with NZGS

SYMBOLS

- ▼ Standing Water Level
- ◁ Out flow
- ▷ In flow

Produced with Core-GS by Geotec



DCP LOG

DCP8.18

SHEET 18 OF 60

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 8, Lot 113
PROJECT: 183970602	EASTING: 1928365.53	STARTED: 05-08-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607914.24	FINISHED: 05-08-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: BR/AR DATE: 07-08-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
					4 8 12 16		
0.2	-0.2	Groundwater Not Encountered		2	4		
0.3	-0.3		2	4			
0.4	-0.4		3	4			
0.5	-0.5		4	4			
0.6	-0.6		6	4			
0.7	-0.7		8	4			
0.8	-0.8		5	4			
0.9	-0.9		3	4			
1.0	-1.0		2	4			
1.1	-1.1		3	4			
1.2	-1.2		2	4			
1.3	-1.3		3	4			
1.4	-1.4		5	4			
1.5	-1.5		5	4			
1.6	-1.6		5	4			
1.7	-1.7		6	4			
1.8	-1.8		5	4			
1.9	-1.9		3	4			
2.0	-2.0		3	4			
2.1	-2.1		2	4			
2.2	-2.2		2	4			
2.3	-2.3		4	4			
2.4	-2.4		3	4			
2.5	-2.5		4	4			
2.6	-2.6	4	4				
2.7	-2.7	5	4				
2.8	-2.8	6	4				
2.9	-2.9	5	4				
3.0	-3.0	6	4				

REMARKS
Soils tested in accordance with NZGS

SYMBOLS

- ▼ Standing Water Level
- ◁ Out flow
- ▷ In flow

Produced with Core-GS by Geotec

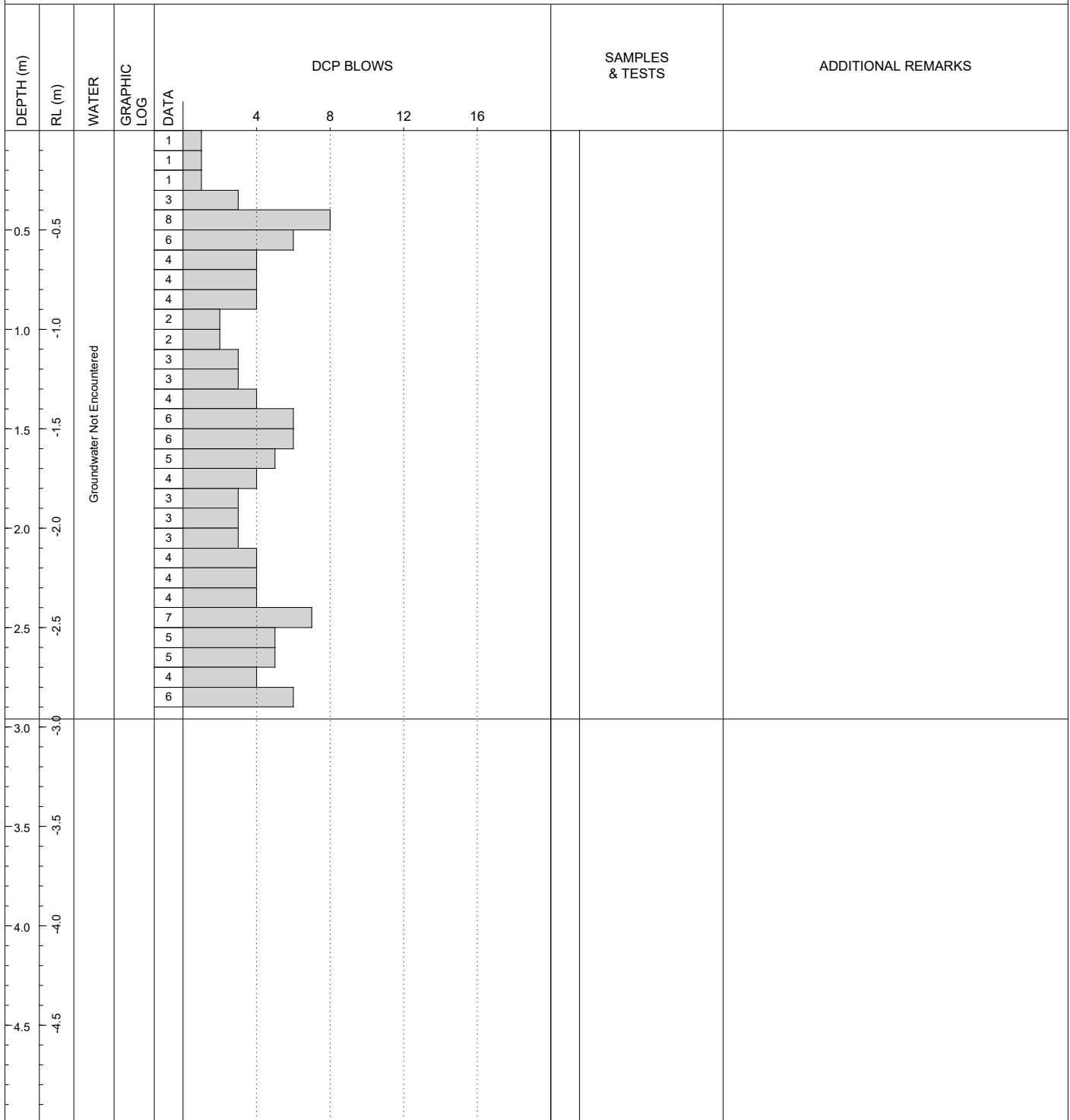


DCP LOG

DCP8.19

SHEET 19 OF 60

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 8, Lot 113
PROJECT: 183970602	EASTING: 1928372.80	STARTED: 05-08-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607904.74	FINISHED: 05-08-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: BR/AR DATE: 07-08-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data



REMARKS Soils tested in accordance with NZGS	SYMBOLS ▼ Standing Water Level ◁ Out flow ▷ In flow
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Produced with Core-GS by Geotec



DCP LOG

DCP8.20

SHEET 20 OF 60

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 8, Lot 113
PROJECT: 183970602	EASTING: 1928359.39	STARTED: 05-08-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607894.07	FINISHED: 05-08-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: BR/AR DATE: 07-08-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
					4 8 12 16		
0.5	-0.5	Groundwater Not Encountered		3	4		
			6	6			
			6	6			
			9	8			
			14	12			
			10	10			
			6	6			
			4	4			
			7	7			
1.0	-1.0		4	4			
			3	3			
			4	4			
			6	6			
			6	6			
			6	6			
			7	7			
			8	8			
			5	5			
			5	5			
2.0	-2.0		2	2			
		3	3				
		4	4				
		7	7				
		5	5				
		7	7				
2.5	-2.5	8	8				
		8	8				
		8	8				
		8	8				
3.0	-3.0						
3.5	-3.5						
4.0	-4.0						
4.5	-4.5						

REMARKS Soils tested in accordance with NZGS	SYMBOLS ▼ Standing Water Level ◁ Out flow ▷ In flow
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DCP LOG

DCP8.21

SHEET 21 OF 60

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 8, Lot 114
PROJECT: 183970602	EASTING: 1928360.98	STARTED: 05-08-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607883.92	FINISHED: 05-08-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: BR/AR DATE: 07-08-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
					4 8 12 16		
0.5	-0.5	Groundwater Not Encountered		2	~4		
			4	~4			
			8	~8			
			12	~12			
			11	~11			
			7	~7			
			7	~7			
			6	~6			
			7	~7			
1.0	-1.0		4	~4			
			2	~2			
			5	~5			
			5	~5			
			5	~5			
			6	~6			
			5	~5			
			5	~5			
			5	~5			
			5	~5			
			4	~4			
		5	~5				
		4	~4				
		6	~6				
		6	~6				
		7	~7				
		6	~6				
		8	~8				
3.0	-3.0						
3.5	-3.5						
4.0	-4.0						
4.5	-4.5						

REMARKS Soils tested in accordance with NZGS	SYMBOLS ▼ Standing Water Level ◁ Out flow ▷ In flow
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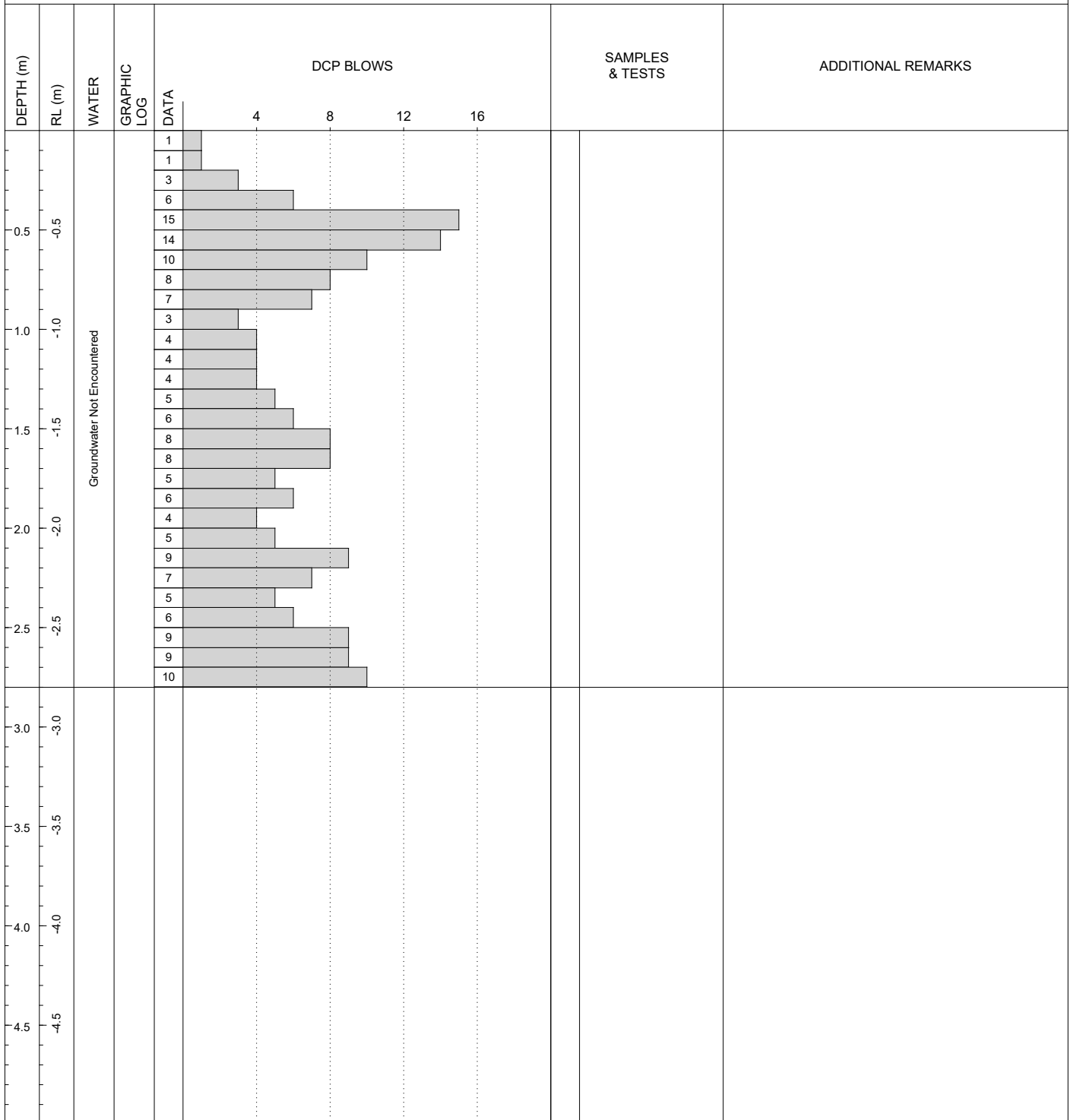


DCP LOG

DCP8.22

SHEET 22 OF 60

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 8, Lot 114
PROJECT: 183970602	EASTING: 1928376.13	STARTED: 05-08-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607895.81	FINISHED: 05-08-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: BR/AR DATE: 07-08-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data



REMARKS Soils tested in accordance with NZGS	SYMBOLS ▼ Standing Water Level ◁ Out flow ▷ In flow
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DCP LOG

DCP8.23

SHEET 23 OF 60

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 8, Lot 114
PROJECT: 183970602	EASTING: 1928380.51	STARTED: 05-08-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607885.95	FINISHED: 05-08-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: BR/AR DATE: 07-08-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS				SAMPLES & TESTS	ADDITIONAL REMARKS
					4	8	12	16		
0.0	-0.5	Groundwater Not Encountered		1						
0.1	-0.5		2							
0.2	-0.5		6							
0.3	-0.5		6							
0.4	-0.5		5							
0.5	-0.5		5							
0.6	-0.5		5							
0.7	-0.5		4							
0.8	-0.5		3							
0.9	-0.5		3							
1.0	-1.0		3							
1.1	-1.0		3							
1.2	-1.0		3							
1.3	-1.0		4							
1.4	-1.0		5							
1.5	-1.5		4							
1.6	-1.5		4							
1.7	-1.5		4							
1.8	-1.5		2							
1.9	-1.5		6							
2.0	-2.0	6								
2.1	-2.0	6								
2.2	-2.0	5								
2.3	-2.0	5								
2.4	-2.5	4								
2.5	-2.5	5								
2.6	-2.5	5								
2.7	-2.5	5								
2.8	-2.5	5								
2.9	-2.5	5								
3.0	-3.0									
3.5	-3.5									
4.0	-4.0									
4.5	-4.5									

REMARKS
Soils tested in accordance with NZGS

SYMBOLS

- ▼ Standing Water Level
- ◁ Out flow
- ▷ In flow

Produced with Core-GS by Geotec



DCP LOG

DCP8.24

SHEET 24 OF 60

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 8, Lot 114
PROJECT: 183970602	EASTING: 1928369.46	STARTED: 05-08-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607879.23	FINISHED: 05-08-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: BR/AR DATE: 07-08-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
					4 8 12 16		
0.5	-0.5	Groundwater Not Encountered		4	4		
			6	6			
			6	6			
			7	7			
			10	10			
			10	10			
			7	7			
			6	6			
			6	6			
1.0	-1.0		2	2			
			2	2			
			4	4			
			5	5			
			5	5			
			7	7			
			6	6			
			4	4			
			4	4			
			4	4			
			2	2			
2.0	-2.0	3	3				
		4	4				
		5	5				
		7	7				
		7	7				
2.5	-2.5	7	7				
		7	7				
		6	6				
		6	6				
3.0	-3.0						
3.5	-3.5						
4.0	-4.0						
4.5	-4.5						

REMARKS
Soils tested in accordance with NZGS

SYMBOLS

- ▼ Standing Water Level
- ◁ Out flow
- ▷ In flow

Produced with Core-GS by Geotec

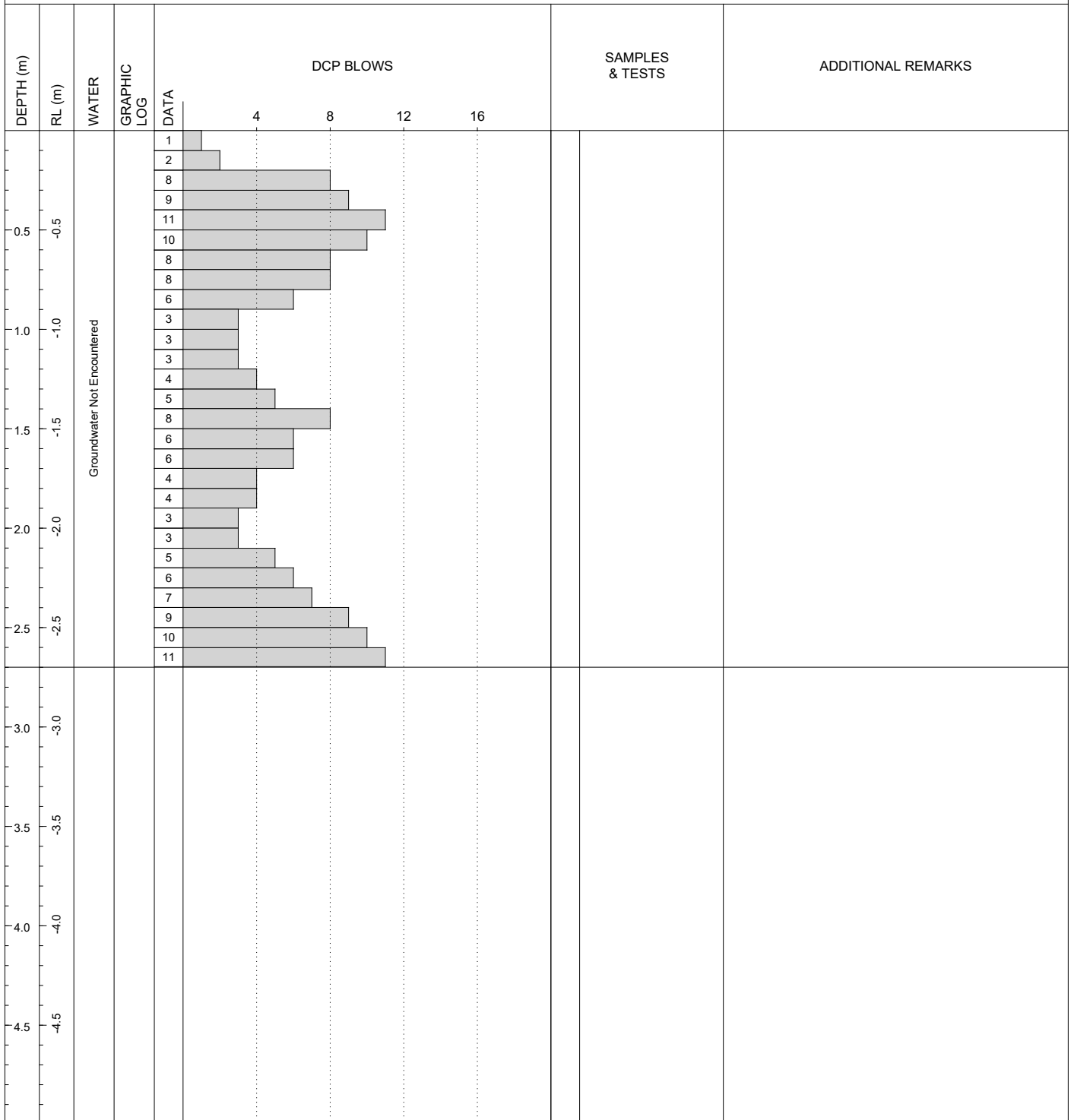


DCP LOG

DCP8.25

SHEET 25 OF 60

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 8, Lot 115
PROJECT: 183970602	EASTING: 1928374.43	STARTED: 05-08-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607868.17	FINISHED: 05-08-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: BR/AR DATE: 07-08-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data



REMARKS Soils tested in accordance with NZGS	SYMBOLS ▼ Standing Water Level ◁ Out flow ▷ In flow
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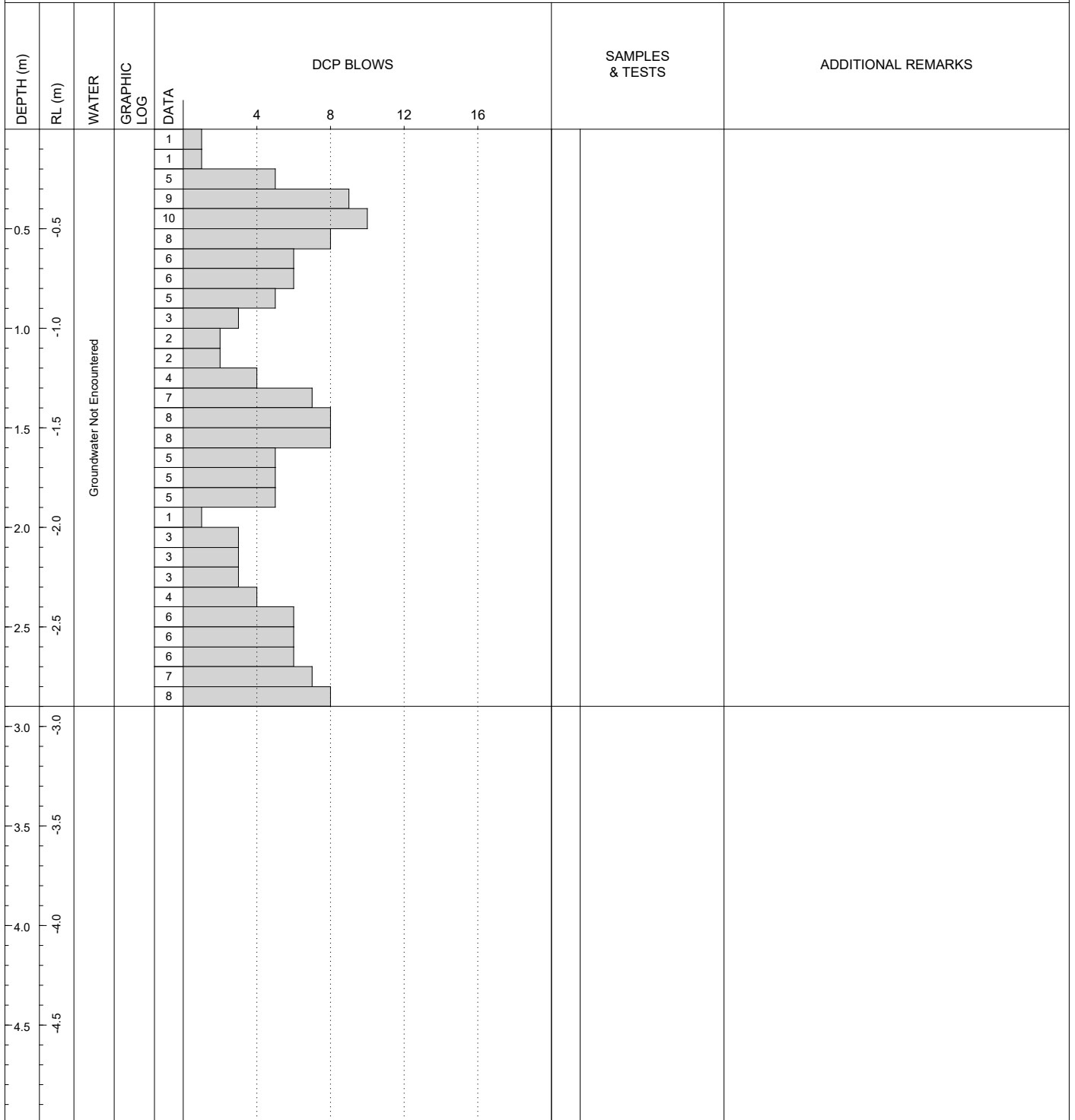


DCP LOG

DCP8.26

SHEET 26 OF 60

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 8, Lot 115
PROJECT: 183970602	EASTING: 1928386.73	STARTED: 05-08-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607877.16	FINISHED: 05-08-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: BR/AR DATE: 07-08-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data



REMARKS
Soils tested in accordance with NZGS

- SYMBOLS**
- ▼ Standing Water Level
 - ◁ Out flow
 - ▷ In flow

Produced with Core-GS by Geac

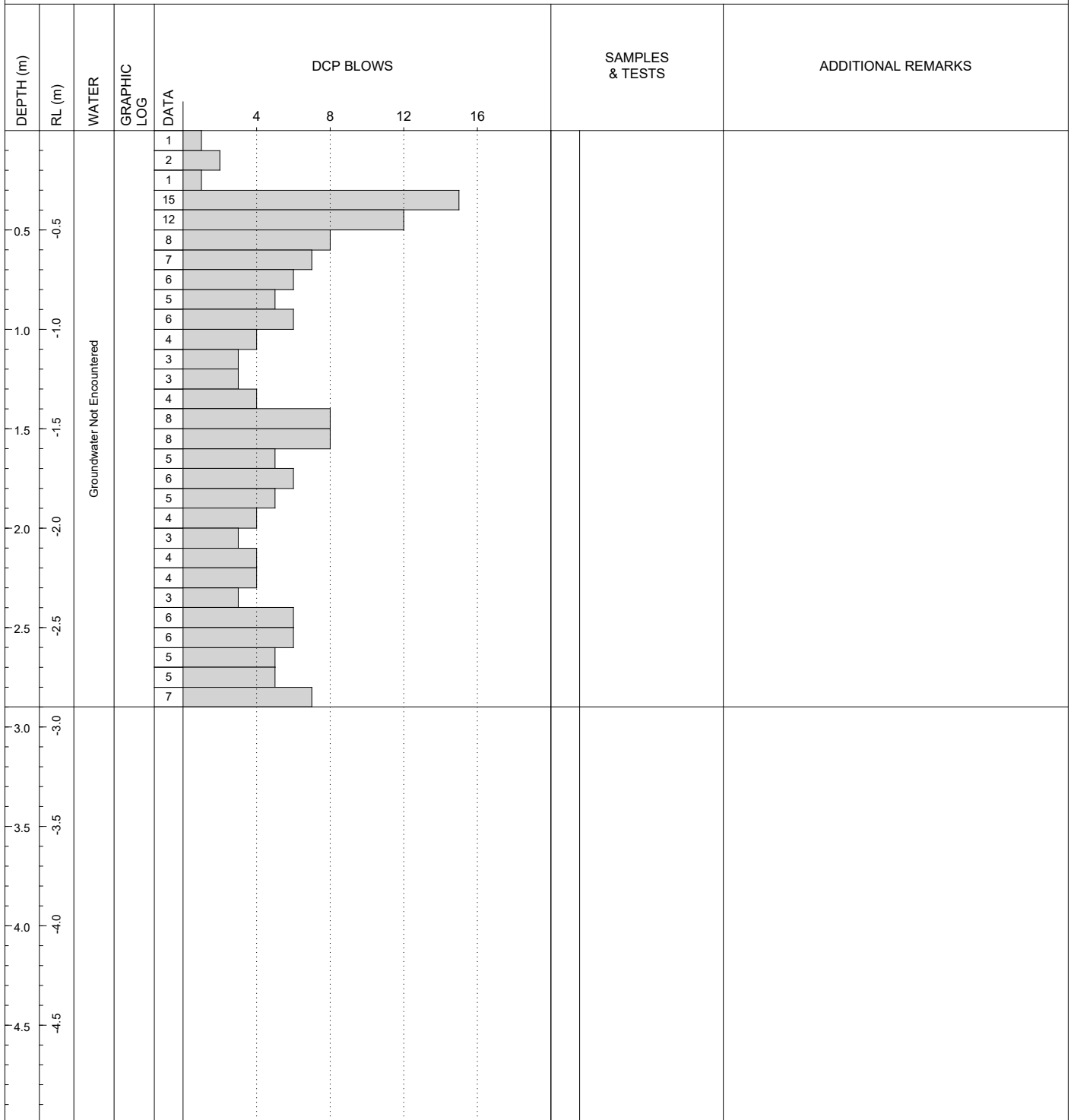


DCP LOG

DCP8.27

SHEET 27 OF 60

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 8, Lot 115
PROJECT: 183970602	EASTING: 1928391.43	STARTED: 05-08-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607870.68	FINISHED: 05-08-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: BR/AR DATE: 07-08-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data



REMARKS
Soils tested in accordance with NZGS

- SYMBOLS**
- ▼ Standing Water Level
 - ◁ Out flow
 - ▷ In flow

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DCP LOG

DCP8.28

SHEET 28 OF 60

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 8, Lot 115
PROJECT: 183970602	EASTING: 1928381.05	STARTED: 05-08-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607861.95	FINISHED: 05-08-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: BR/AR DATE: 07-08-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
				4 8 12 16		
0.5	-0.5	Groundwater Not Encountered		2		
			1			
			7			
			8			
			16			
			15			
			14			
			6			
			7			
1.0	-1.0		6			
			5			
			3			
			5			
			8			
1.5	-1.5		13			
			13			
2.0	-2.0					
2.5	-2.5					
3.0	-3.0					
3.5	-3.5					
4.0	-4.0					
4.5	-4.5					

REMARKS Soils tested in accordance with NZGS	SYMBOLS ▼ Standing Water Level ◁ Out flow ▷ In flow
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DCP LOG

DCP8.29

SHEET 29 OF 60

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 8, Lot 116
PROJECT: 183970602	EASTING: 1928385.50	STARTED: 05-08-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607852.86	FINISHED: 05-08-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: BR/AR DATE: 07-08-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS	
				4 8 12 16			
0.5	-0.5	Groundwater Not Encountered	DATA	1 2 6 6 11 8 9 5 5 3 2 5 7 8 11 11			
1.0	-1.0						
1.5	-1.5						
2.0	-2.0						
2.5	-2.5						
3.0	-3.0						
3.5	-3.5						
4.0	-4.0						
4.5	-4.5						

REMARKS
Soils tested in accordance with NZGS

SYMBOLS
 ▼ Standing Water Level
 ◁ Out flow
 ▷ In flow

Produced with Core-GS by Geotec

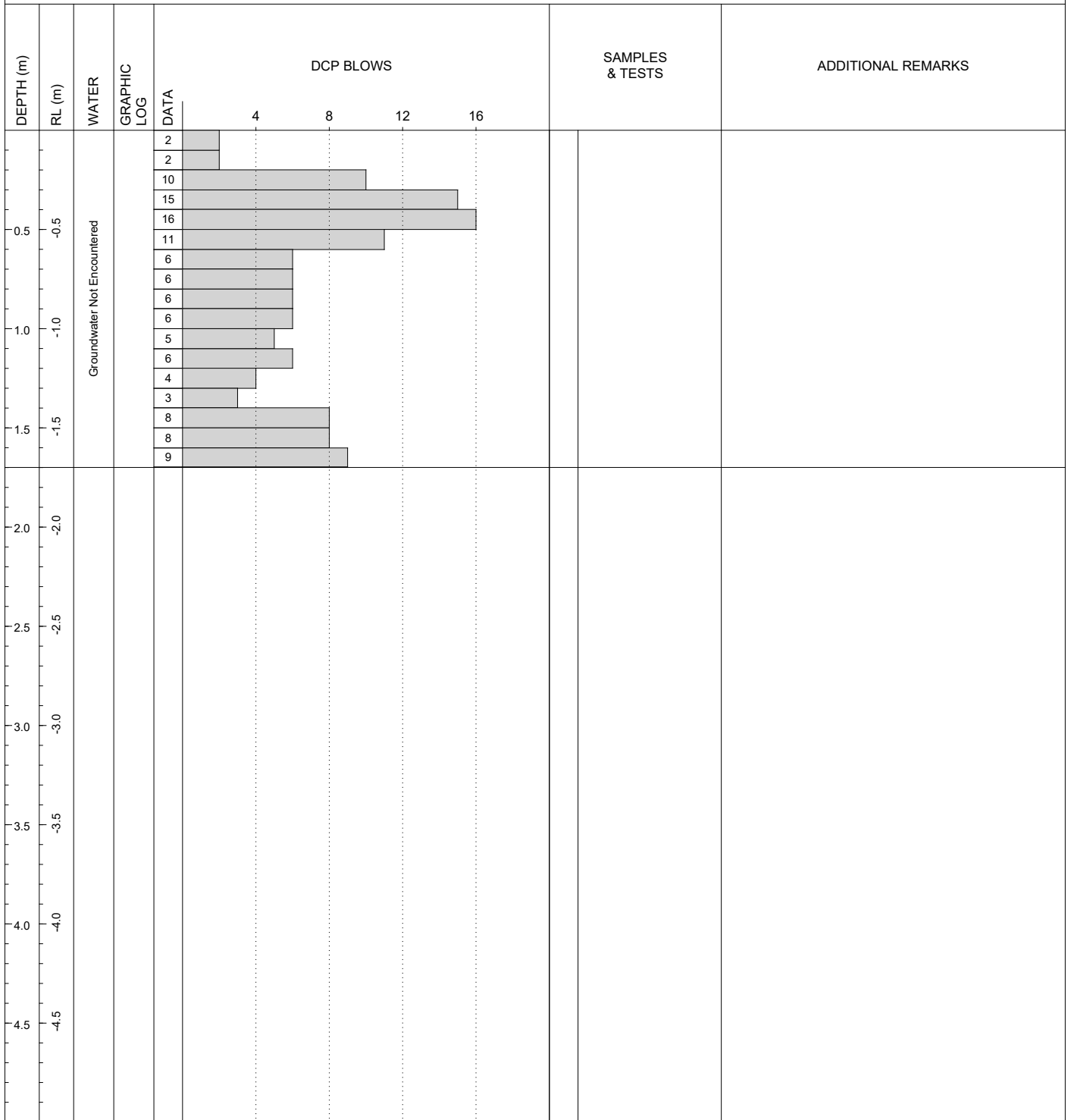


DCP LOG

DCP8.30

SHEET 30 OF 60

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 8, Lot 116
PROJECT: 183970602	EASTING: 1928399.51	STARTED: 05-08-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607863.01	FINISHED: 05-08-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: BR/AR DATE: 07-08-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data



REMARKS
Soils tested in accordance with NZGS

SYMBOLS
 ▼ Standing Water Level
 ◁ Out flow
 ▷ In flow

Produced with Core-GS by Geotec

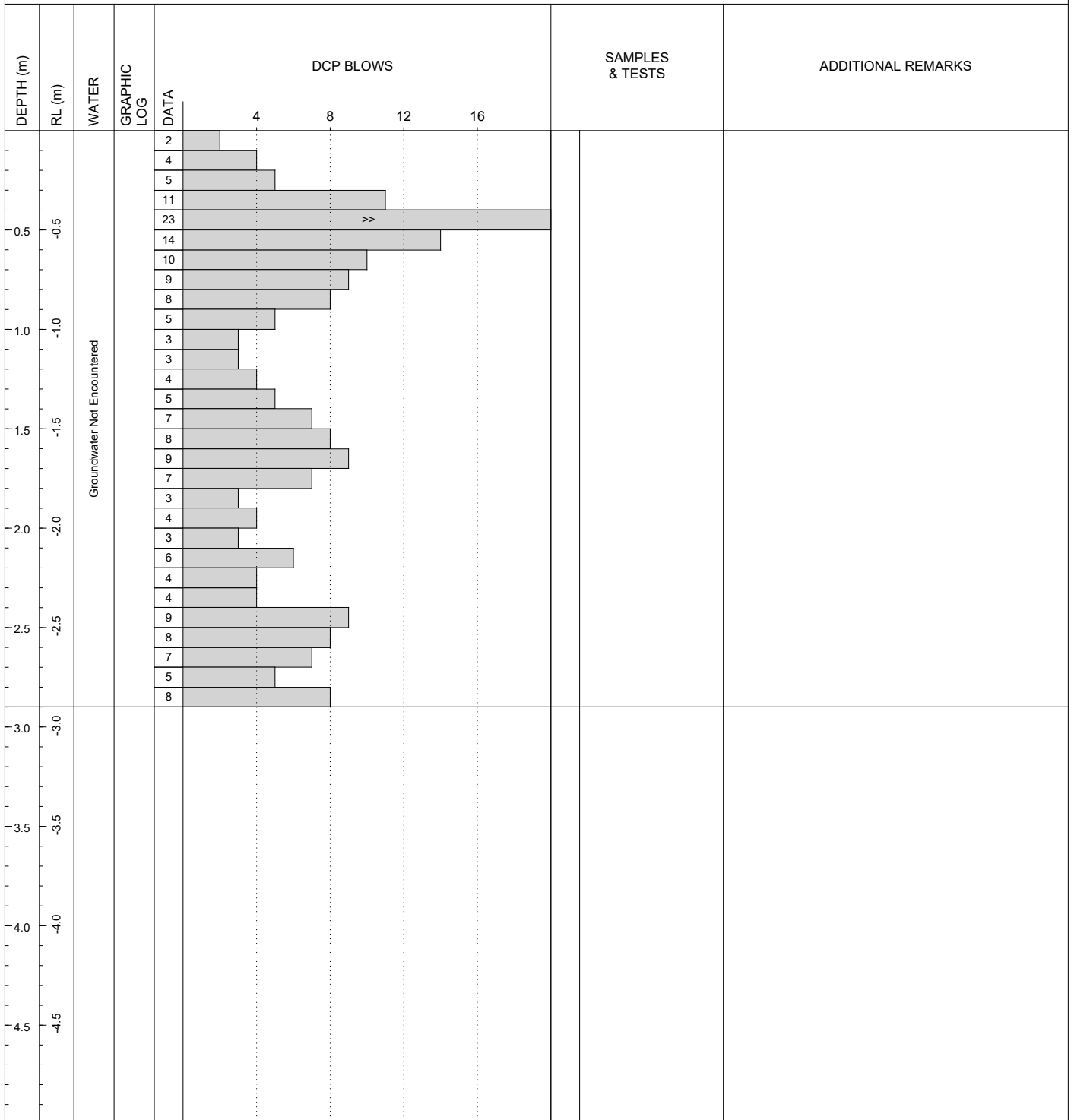


DCP LOG

DCP8.31

SHEET 31 OF 60

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 8, Lot 116
PROJECT: 183970602	EASTING: 1928406.50	STARTED: 05-08-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607855.84	FINISHED: 05-08-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: BR/AR DATE: 07-08-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data



REMARKS
Soils tested in accordance with NZGS

- SYMBOLS**
- ▼ Standing Water Level
 - ◁ Out flow
 - ▷ In flow

Produced with Core-GS by Geotec

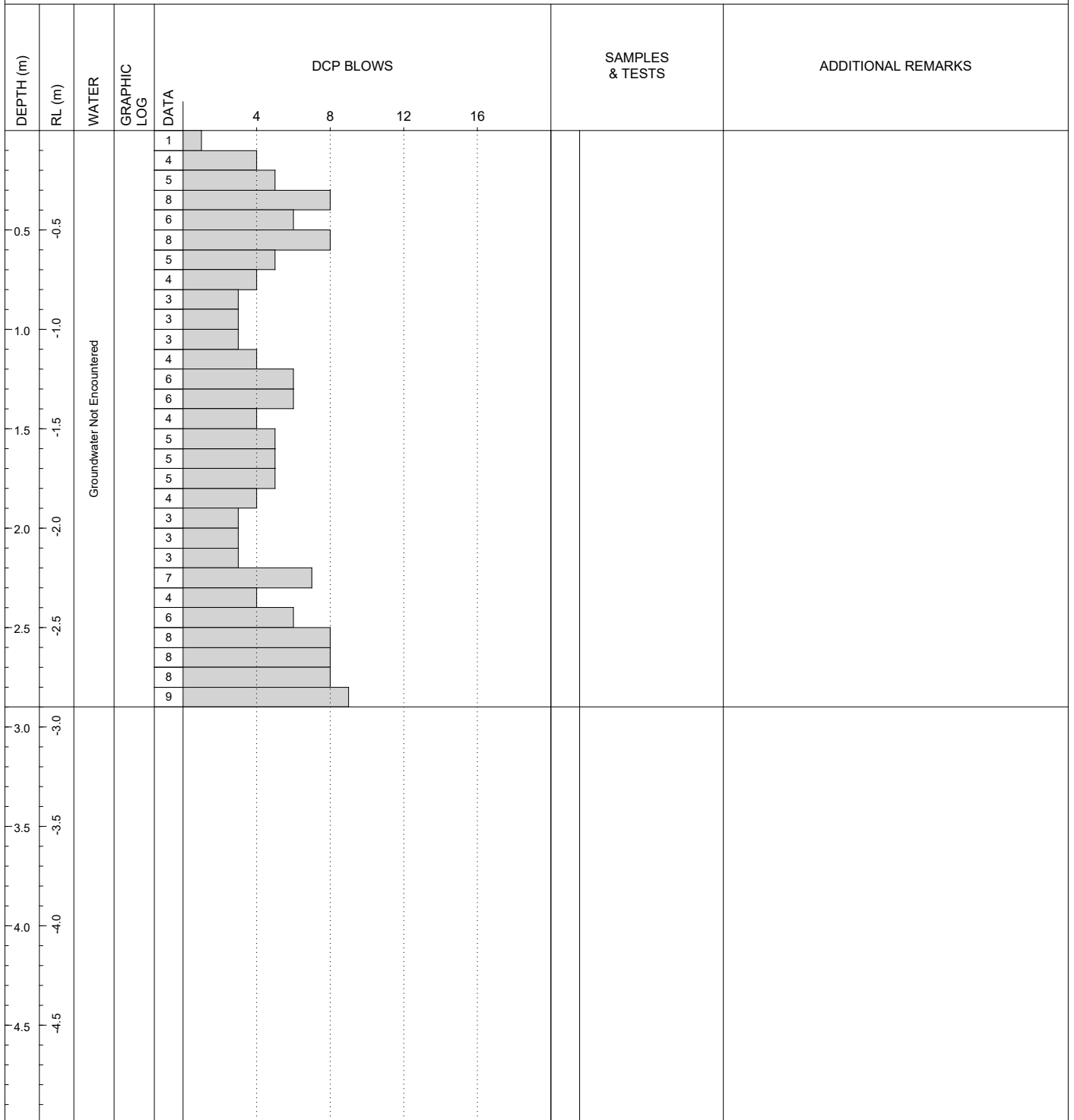


DCP LOG

DCP8.32

SHEET 32 OF 60

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 8, Lot 116
PROJECT: 183970602	EASTING: 1928394.26	STARTED: 05-08-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607846.01	FINISHED: 05-08-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: BR/AR DATE: 07-08-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data



REMARKS Soils tested in accordance with NZGS	SYMBOLS ▼ Standing Water Level ◁ Out flow ▷ In flow
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DCP LOG

DCP8.33

SHEET 33 OF 60

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 8, Lot 117
PROJECT: 183970602	EASTING: 1928408.82	STARTED: 05-08-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607847.96	FINISHED: 05-08-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: BR/AR DATE: 07-08-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
					4 8 12 16		
0.2	-0.2			2			
0.3	-0.3			2			
0.4	-0.4			5			
0.5	-0.5			5			
0.6	-0.6			6			
0.7	-0.7			3			
0.8	-0.8			2			
0.9	-0.9			2			
1.0	-1.0			3			
1.1	-1.1			3			
1.2	-1.2			3			
1.3	-1.3			4			
1.4	-1.4			4			
1.5	-1.5			4			
1.6	-1.6			4			
1.7	-1.7			4			
1.8	-1.8			3			
1.9	-1.9			2			
2.0	-2.0			2			
2.1	-2.1			4			
2.2	-2.2			4			
2.3	-2.3			5			
2.4	-2.4			5			
2.5	-2.5			7			
2.6	-2.6			7			
2.7	-2.7			7			
2.8	-2.8			6			
2.9	-2.9			6			
3.0	-3.0			7			
3.1	-3.1						
3.2	-3.2						
3.3	-3.3						
3.4	-3.4						
3.5	-3.5						
3.6	-3.6						
3.7	-3.7						
3.8	-3.8						
3.9	-3.9						
4.0	-4.0						
4.1	-4.1						
4.2	-4.2						
4.3	-4.3						
4.4	-4.4						
4.5	-4.5						

REMARKS
Soils tested in accordance with NZGS

SYMBOLS

- ▼ Standing Water Level
- ◁ Out flow
- ▷ In flow

Produced with Core-GS by Geric



DCP LOG

DCP8.34

SHEET 34 OF 60

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 8, Lot 117
PROJECT: 183970602	EASTING: 1928397.80	STARTED: 05-08-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607839.03	FINISHED: 05-08-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: BR/AR DATE: 07-08-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
					4 8 12 16		
0.2				2			
0.3				2			
0.4				7			
0.5				7			
0.6				3			
0.7				3			
0.8				2			
0.9				2			
1.0				3			
1.1				4			
1.2				3			
1.3				5			
1.4				5			
1.5				5			
1.6				4			
1.7				3			
1.8				2			
1.9				3			
2.0				2			
2.1				2			
2.2				3			
2.3				4			
2.4				5			
2.5				4			
2.6				3			
2.7				3			
2.8				3			
2.9				4			

REMARKS Soils tested in accordance with NZGS	SYMBOLS ▼ Standing Water Level ◁ Out flow ▷ In flow
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DCP LOG

DCP8.35

SHEET 35 OF 60

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 8, Lot 117
PROJECT: 183970602	EASTING: 1928404.52	STARTED: 05-08-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607832.03	FINISHED: 05-08-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: BR/AR DATE: 07-08-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
					4 8 12 16		
0.0	-0.5	Groundwater Not Encountered		1			
0.1			3				
0.2			4				
0.3			3				
0.4			3				
0.5			2				
0.6			2				
0.7			4				
0.8			3				
0.9			3				
1.0			3				
1.1			6				
1.2			5				
1.3			4				
1.4			5				
1.5			5				
1.6			5				
1.7			3				
1.8			4				
1.9			2				
2.0			3				
2.1			6				
2.2		6					
2.3		6					
2.4		6					
2.5		5					
2.6		5					
2.7		7					
3.0	-3.0						
3.5	-3.5						
4.0	-4.0						
4.5	-4.5						

REMARKS
Soils tested in accordance with NZGS

SYMBOLS

- ▼ Standing Water Level
- ◁ Out flow
- ▷ In flow

Produced with Core-GS by Geotec



DCP LOG

DCP8.36

SHEET 36 OF 60

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 8, Lot 117
PROJECT: 183970602	EASTING: 1928415.68	STARTED: 05-08-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607841.80	FINISHED: 05-08-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: BR/AR DATE: 07-08-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
					4 8 12 16		
0.5	-0.5	Groundwater Not Encountered		1			
			2				
			3				
			6				
			7				
			4				
			2				
			1				
			1				
			2				
			3				
			3				
			5				
			6				
			4				
			3				
			3				
			2				
			2				
			5				
		3					
		5					
		4					
		5					
		6					
		4					
		5					
		4					
		5					
3.0	-3.0						
3.5	-3.5						
4.0	-4.0						
4.5	-4.5						

REMARKS
Soils tested in accordance with NZGS

SYMBOLS

- ▼ Standing Water Level
- ◁ Out flow
- ▷ In flow

Produced with Core-GS by Geotec



DCP LOG

DCP8.37

SHEET 37 OF 60

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 8, Lot 104
PROJECT: 183970602	EASTING: 1928398.39	STARTED: 05-08-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607793.15	FINISHED: 05-08-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: AR/BR DATE: 07-08-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
					4 8 12 16		
0.5	-0.5	Groundwater Not Encountered		5	~4		
			7	~5			
			8	~6			
			9	~7			
			19	~15			
			16	~14			
			11	~10			
			9	~8			
			9	~8			
			8	~8			
			9	~8			
			8	~8			
			10	~9			
			13	~12			
			13	~12			
1.0	-1.0						
1.5	-1.5						
2.0	-2.0						
2.5	-2.5						
3.0	-3.0						
3.5	-3.5						
4.0	-4.0						
4.5	-4.5						

REMARKS
Soils tested in accordance with NZGS

SYMBOLS

- ▼ Standing Water Level
- ◁ Out flow
- ▷ In flow



DCP LOG

DCP8.38

SHEET 38 OF 60

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 8, Lot 104
PROJECT: 183970602	EASTING: 1928385.46	STARTED: 06-08-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607782.09	FINISHED: 06-08-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: AR/BR DATE: 07-08-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS				SAMPLES & TESTS	ADDITIONAL REMARKS
					4	8	12	16		
0.0				4						
0.1				4						
0.2				3						
0.3				2						
0.4				2						
0.5				2						
0.6				2						
0.7				2						
0.8				5						
0.9				4						
1.0				5						
1.1				4						
1.2				3						
1.3				3						
1.4				3						
1.5				2						
1.6				3						
1.7				3						
1.8				3						
1.9				4						
2.0				3						
2.1				3						
2.2				3						
2.3				4						
2.4				4						
2.5				3						
2.6				4						
2.7				4						
2.8				6						
2.9				6						
3.0										
3.5										
4.0										
4.5										

REMARKS
Soils tested in accordance with NZGS

SYMBOLS

- ▼ Standing Water Level
- ◁ Out flow
- ▷ In flow

Produced with Core-GS by Geotec



DCP LOG

DCP8.39

SHEET 39 OF 60

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 8, Lot 104
PROJECT: 183970602	EASTING: 1928379.24	STARTED: 06-08-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607789.24	FINISHED: 06-08-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: AR/BR DATE: 07-08-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS				SAMPLES & TESTS	ADDITIONAL REMARKS
					4	8	12	16		
0.0				3						
0.1				3						
0.2				6						
0.3				5						
0.4				3						
0.5				4						
0.6				2						
0.7				2						
0.8				5						
0.9				2						
1.0				4						
1.1				5						
1.2				4						
1.3				5						
1.4				5						
1.5				3						
1.6				4						
1.7				3						
1.8				3						
1.9				3						
2.0				3						
2.1				3						
2.2				4						
2.3				6						
2.4				5						
2.5				6						
2.6				5						
2.7				6						
2.8				6						
2.9				6						
3.0				9						

REMARKS
Soils tested in accordance with NZGS

SYMBOLS
 ▼ Standing Water Level
 ◁ Out flow
 ▷ In flow

Produced with Core-GS by Geac



DCP LOG

DCP8.40

SHEET 40 OF 60

CLIENT: Greenstone Land Developments Ltd
 PROJECT: 183970602
 LOCATION: Lyndhurst Road, Frimley, Hastings
 OFFICE: RDCL - Hastings
 ENGINEER: TB

PROJECTION: NZTM2000
 EASTING: 1928390.77
 NORTHING: 5607800.23
 DATUM: -
 ELEVATION: -
 AZUMITH: PLUNGE: 90°

SUB-LOCATION: Stage 8, Lot 104
 STARTED: 06-08-2019
 FINISHED: 06-08-2019
 LOGGED BY: AR/BR DATE: 07-08-2019
 CHECKED BY: TB DATE: 14-08-2019
 STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
					4 8 12 16		
0.5	-0.5	Groundwater Not Encountered		4	4		
				5	4		
				5	4		
				10	8		
				11	10		
				11	10		
				7	8		
				5	6		
				5	6		
1.0	-1.0			3	4		
				4	4		
				4	4		
				5	6		
				9	10		
				9	10		
1.5	-1.5			6	7		
				5	6		
			5	6			
			4	4			
			4	4			
			4	4			
			5	6			
			6	7			
2.0	-2.0		6	7			
			7	7			
			7	7			
2.5	-2.5		7	7			
			7	7			
3.0	-3.0		7	7			
3.5	-3.5						
4.0	-4.0						
4.5	-4.5						

REMARKS
 Soils tested in accordance with NZGS

SYMBOLS
 ▼ Standing Water Level
 ◁ Out flow
 ▷ In flow

Produced with Core-GS by Geotec

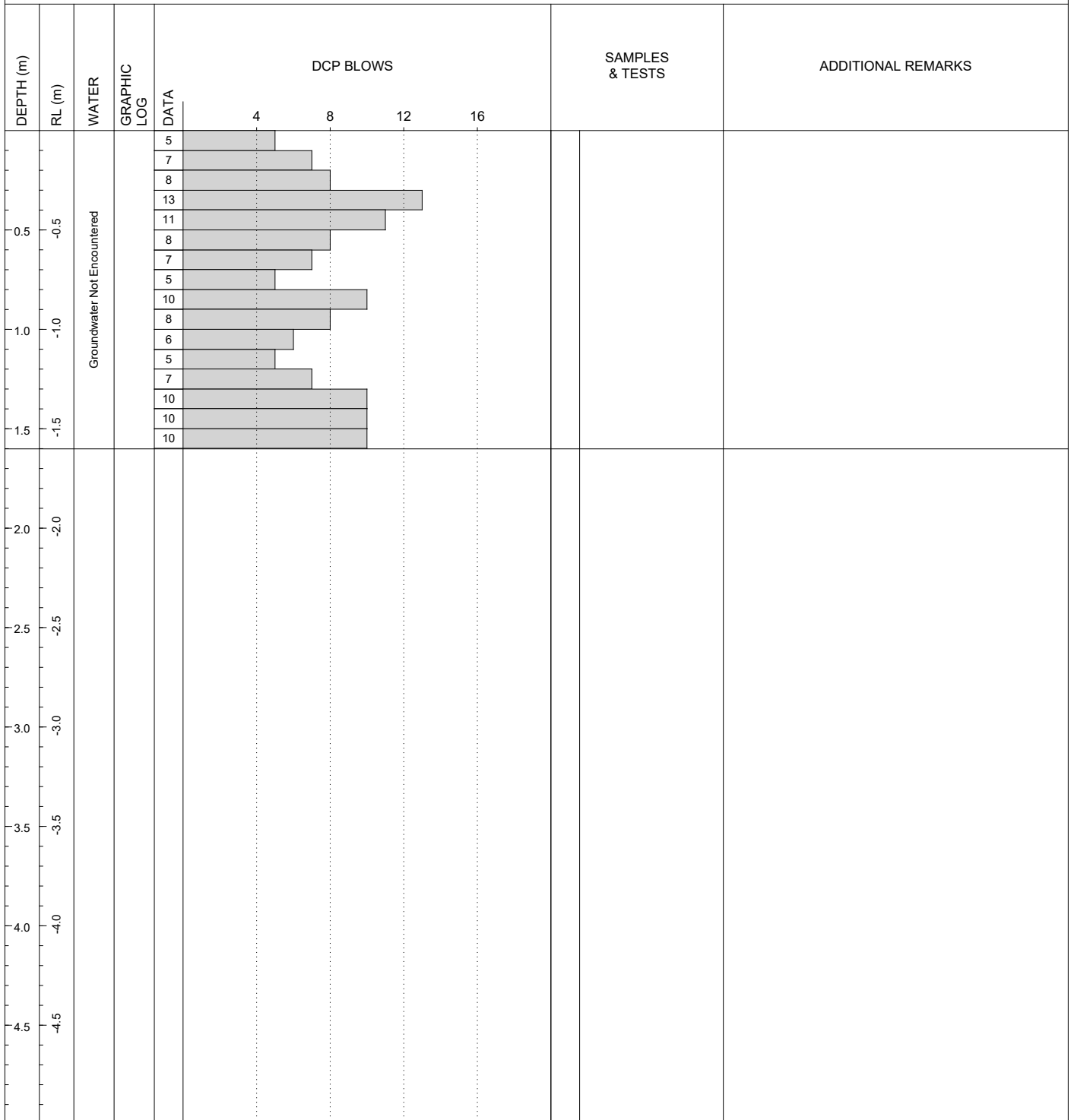


DCP LOG

DCP8.41

SHEET 41 OF 60

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 8, Lot 105
PROJECT: 183970602	EASTING: 1928376.28	STARTED: 06-08-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607793.18	FINISHED: 06-08-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: AR/BR DATE: 07-08-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data



REMARKS
Soils tested in accordance with NZGS

- SYMBOLS**
- ▼ Standing Water Level
 - ◁ Out flow
 - ▷ In flow



DCP LOG

DCP8.42

SHEET 42 OF 60

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 8, Lot 105
PROJECT: 183970602	EASTING: 1928385.93	STARTED: 06-08-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607806.60	FINISHED: 06-08-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: AR/BR DATE: 07-08-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
					4 8 12 16		
0.5	-0.5	Groundwater Not Encountered		5	4		
			5	4			
			6	5			
			5	4			
			4	4			
			3	3			
			3	3			
			3	3			
			3	3			
1.0	-1.0		4	4			
			7	7			
			11	11			
			9	9			
			9	9			
			9	9			
			4	4			
			3	3			
			4	4			
			3	3			
			4	4			
			6	6			
			10	10			
		9	9				
		7	7				
		5	5				
		5	5				
		5	5				
		6	6				
3.0	-3.0						
3.5	-3.5						
4.0	-4.0						
4.5	-4.5						

REMARKS
Soils tested in accordance with NZGS

SYMBOLS
 ▼ Standing Water Level
 ◁ Out flow
 ▷ In flow

Produced with Core-GS by Geric

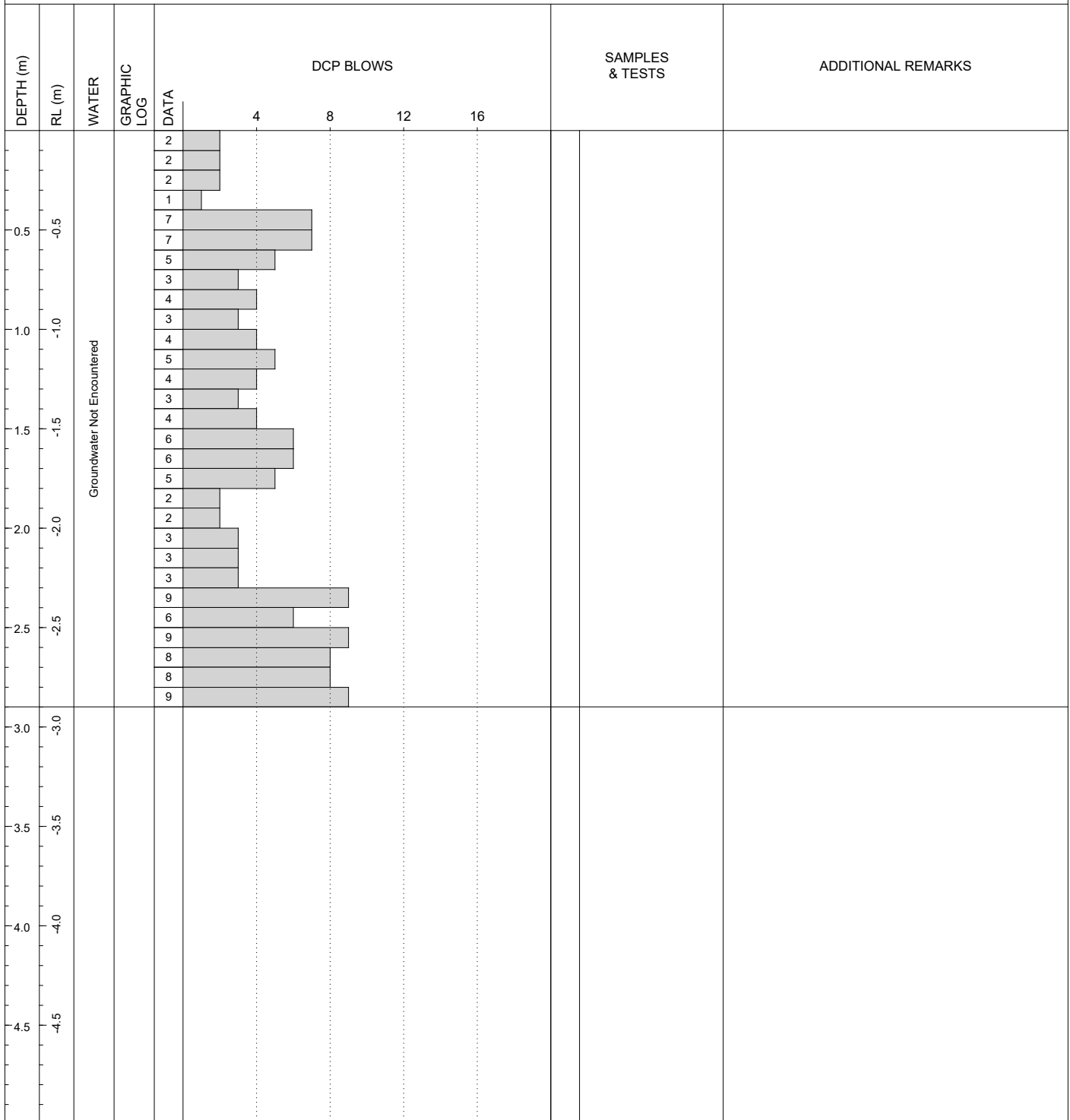


DCP LOG

DCP8.43

SHEET 43 OF 60

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 8, Lot 105
PROJECT: 183970602	EASTING: 1928369.01	STARTED: 06-08-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607804.47	FINISHED: 06-08-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: AR/BR DATE: 07-08-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data



REMARKS Soils tested in accordance with NZGS	SYMBOLS ▼ Standing Water Level ◁ Out flow ▷ In flow
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DCP LOG

DCP8.44

SHEET 44 OF 60

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 8, Lot 105
PROJECT: 183970602	EASTING: 1928381.17	STARTED: 06-08-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607813.68	FINISHED: 06-08-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: AR/BR DATE: 07-08-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
				4 8 12 16		
0.2				2		
0.7				7		
1.0				10		
1.0				10		
0.5	-0.5			6		
0.7				7		
0.8				8		
0.8				8		
0.7				7		
1.0	-1.0			2		
1.1				4		
1.2				5		
1.3				6		
1.4				7		
1.4				7		
1.5	-1.5			6		
1.6				6		
1.6				6		
1.7				6		
1.8				5		
2.0	-2.0			3		
2.1				3		
2.2				6		
2.3				7		
2.4				9		
2.5	-2.5			8		
2.6				9		
2.7				10		
2.8				11		
2.9				16		
3.0	-3.0					
3.5	-3.5					
4.0	-4.0					
4.5	-4.5					

Groundwater Not Encountered

REMARKS
Soils tested in accordance with NZGS

- SYMBOLS**
- ▼ Standing Water Level
 - ◁ Out flow
 - ▷ In flow

Produced with Core-GS by Geotec



DCP LOG

DCP8.45

SHEET 45 OF 60

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 8, Lot 106
PROJECT: 183970602	EASTING: 1928373.54	STARTED: 06-08-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607822.61	FINISHED: 06-08-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: JM/BR/AR DATE: 07-08-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS				SAMPLES & TESTS	ADDITIONAL REMARKS
					4	8	12	16		
0.0				1						
0.1				1						
0.2				4						
0.3				5						
0.4				4						
0.5				3						
0.6				2						
0.7				2						
0.8				2						
0.9				3						
1.0				3						
1.1				2						
1.2				4						
1.3				5						
1.4				4						
1.5				5						
1.6				4						
1.7				3						
1.8				3						
1.9				3						
2.0				3						
2.1				3						
2.2				4						
2.3				6						
2.4				5						
2.5				4						
2.6				6						
2.7				5						
2.8				6						
2.9				5						
3.0				6						

REMARKS
Soils tested in accordance with NZGS

SYMBOLS
 ▼ Standing Water Level
 ◁ Out flow
 ▷ In flow

Produced with Core-GS by Geotec

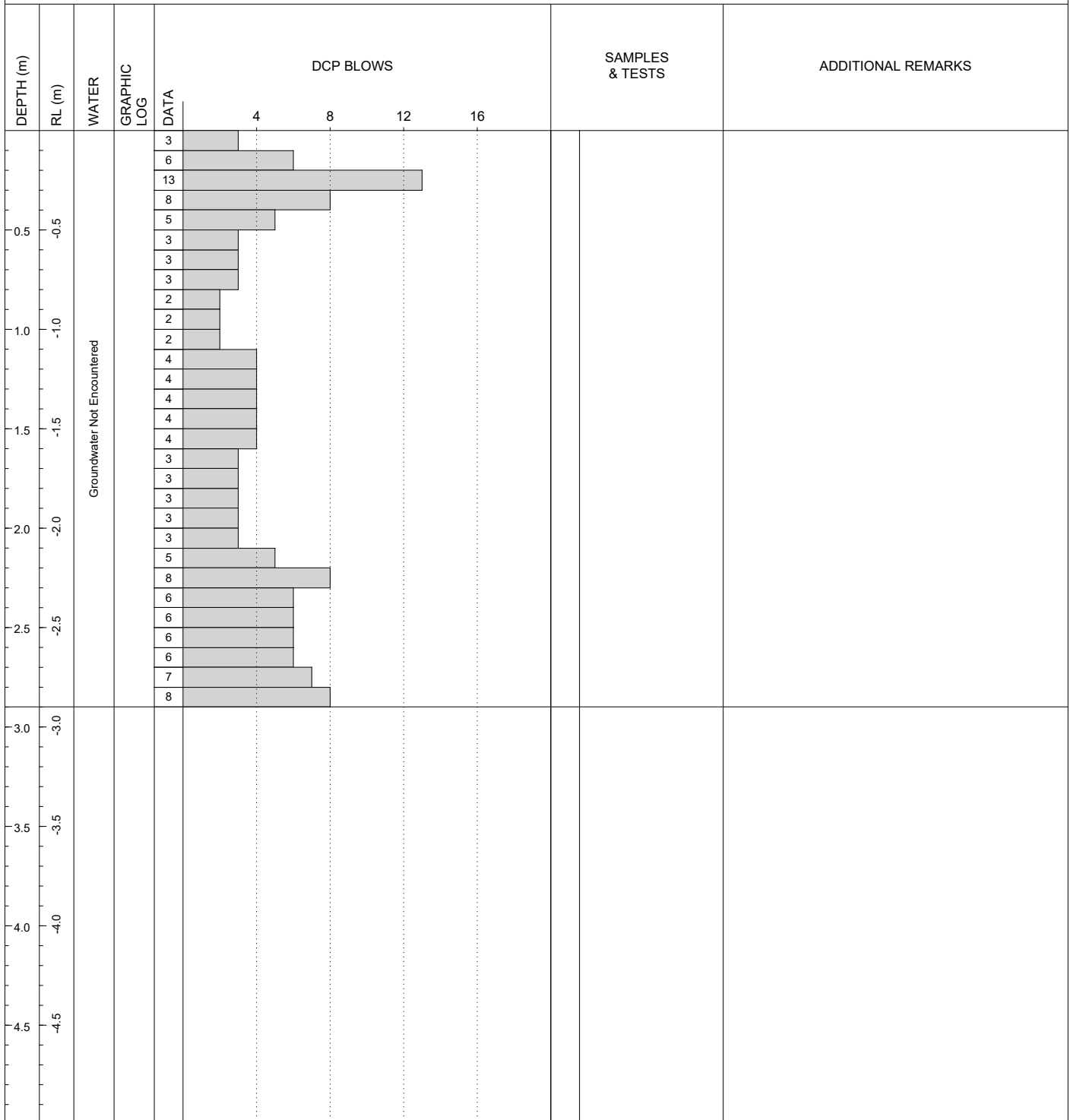


DCP LOG

DCP8.46

SHEET 46 OF 60

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 8, Lot 106
PROJECT: 183970602	EASTING: 1928362.50	STARTED: 06-08-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607813.11	FINISHED: 06-08-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: JM/BR/AR DATE: 07-08-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data



REMARKS Soils tested in accordance with NZGS	SYMBOLS ▼ Standing Water Level ◁ Out flow ▷ In flow
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DCP LOG

DCP8.47

SHEET 47 OF 60

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 8, Lot 106
PROJECT: 183970602	EASTING: 1928354.58	STARTED: 06-08-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607818.61	FINISHED: 06-08-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: JM/BR/AR DATE: 07-08-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS				SAMPLES & TESTS	ADDITIONAL REMARKS
					4	8	12	16		
0.0	-0.5	Groundwater Not Encountered		1						
0.1	-0.5		1							
0.2	-0.5		4							
0.3	-0.5		4							
0.4	-0.5		2							
0.5	-0.5		1							
0.6	-0.5		2							
0.7	-0.5		1							
0.8	-0.5		2							
0.9	-0.5		4							
1.0	-1.0		6							
1.1	-1.0		10							
1.2	-1.0		8							
1.3	-1.0		5							
1.4	-1.0		5							
1.5	-1.5		4							
1.6	-1.5		3							
1.7	-1.5		4							
1.8	-1.5		4							
1.9	-1.5		4							
2.0	-2.0	7								
2.1	-2.0	8								
2.2	-2.0	7								
2.3	-2.5	6								
2.4	-2.5	6								
2.5	-2.5	5								
2.6	-2.5	6								
2.7	-2.5	7								
2.8	-2.5									
2.9	-3.0									
3.0	-3.0									
3.1	-3.5									
3.2	-3.5									
3.3	-3.5									
3.4	-4.0									
3.5	-4.0									
3.6	-4.5									
3.7	-4.5									
3.8	-4.5									
3.9	-4.5									
4.0	-4.5									
4.1	-4.5									
4.2	-4.5									
4.3	-4.5									
4.4	-4.5									
4.5	-4.5									

REMARKS Soils tested in accordance with NZGS	SYMBOLS ▼ Standing Water Level ◁ Out flow ▷ In flow
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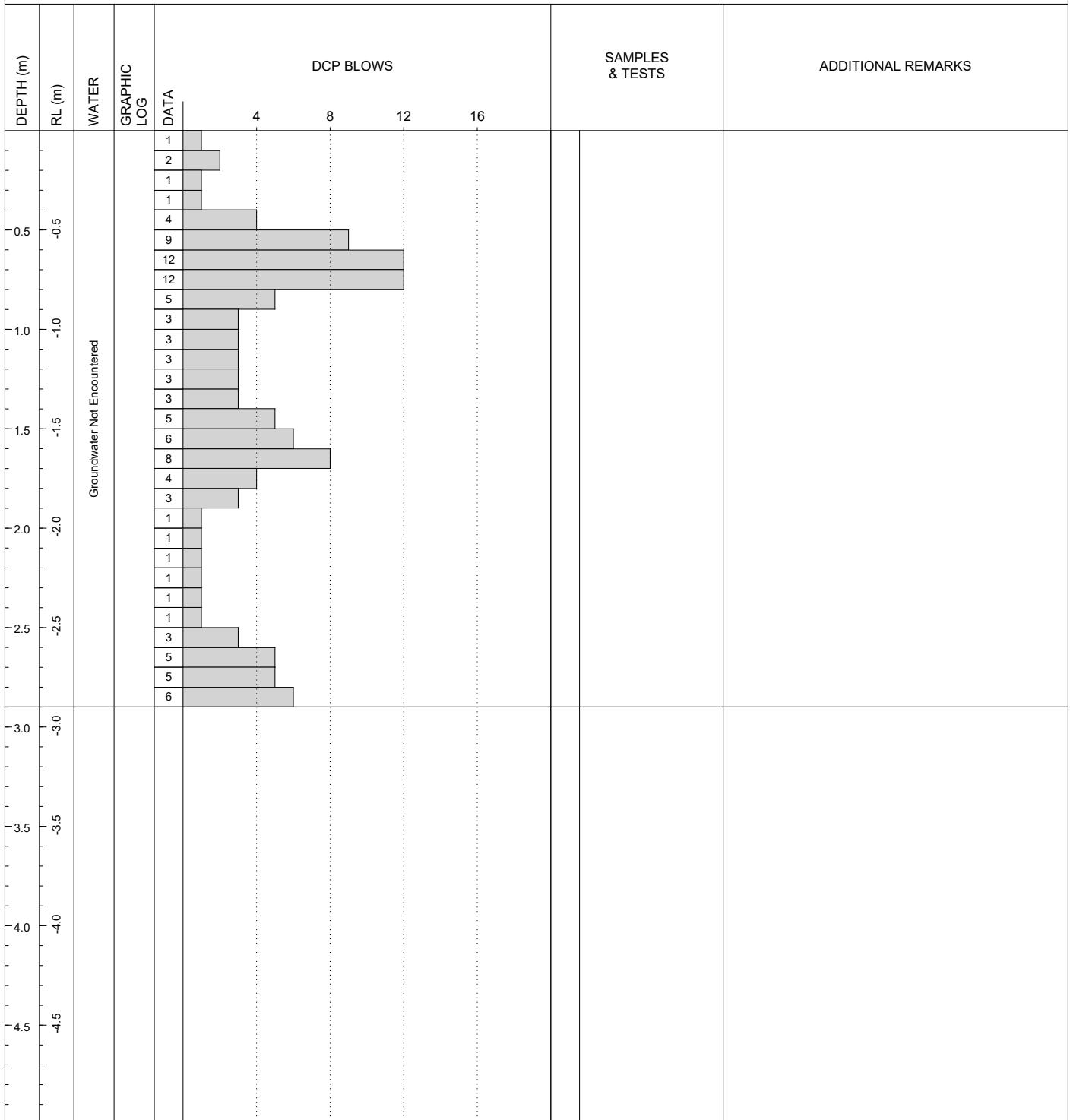


DCP LOG

DCP8.48

SHEET 48 OF 60

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 8, Lot 106
PROJECT: 183970602	EASTING: 1928368.28	STARTED: 06-08-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607829.65	FINISHED: 06-08-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: JM/BR/AR DATE: 07-08-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data



REMARKS
Soils tested in accordance with NZGS

SYMBOLS

- ▼ Standing Water Level
- ◁ Out flow
- ▷ In flow

Produced with Core-GS by Geotec



DCP LOG

DCP8.49

SHEET 49 OF 60

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 8, Lot 107
PROJECT: 183970602	EASTING: 1928363.40	STARTED: 06-08-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607836.66	FINISHED: 06-08-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: JM/BR/AR DATE: 07-08-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DCP BLOWS				SAMPLES & TESTS	ADDITIONAL REMARKS
				4	8	12	16		
0.0									
0.2				2					
0.4				4					
0.6				4					
0.8				4					
1.0				2					
1.2				3					
1.4				1					
1.6				1					
1.8				1					
2.0				4					
2.2				5					
2.4				5					
2.6				6					
2.8				7					
3.0				4					
3.2				3					
3.4				3					
3.6				2					
3.8				3					
4.0				4					
4.2				6					
4.4				6					
4.6				6					
4.8				6					
5.0				5					
5.2				5					
5.4				6					
5.6				6					

REMARKS
Soils tested in accordance with NZGS

SYMBOLS
 ▼ Standing Water Level
 ◁ Out flow
 ▷ In flow

Produced with Core-GS by Geotec



DCP LOG

DCP8.50

SHEET 50 OF 60

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 8, Lot 107
PROJECT: 183970602	EASTING: 1928348.66	STARTED: 06-08-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607829.79	FINISHED: 06-08-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: JM/BR/AR DATE: 07-08-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS				SAMPLES & TESTS	ADDITIONAL REMARKS
					4	8	12	16		
0.0	-0.5	Groundwater Not Encountered		2						
0.1	-0.5		1							
0.2	-0.5		3							
0.3	-0.5		3							
0.4	-0.5		3							
0.5	-0.5		2							
0.6	-0.5		2							
0.7	-0.5		2							
0.8	-0.5		3							
0.9	-0.5		3							
1.0	-1.0		4							
1.1	-1.0		4							
1.2	-1.0		7							
1.3	-1.0		7							
1.4	-1.5		4							
1.5	-1.5		4							
1.6	-1.5		5							
1.7	-2.0		4							
1.8	-2.0		4							
1.9	-2.0		4							
2.0	-2.0	5								
2.1	-2.0	5								
2.2	-2.5	6								
2.3	-2.5	8								
2.4	-2.5	7								
2.5	-2.5	7								
2.6	-2.5	8								
2.7	-2.5	8								
2.8	-2.5	8								
2.9	-3.0									
3.0	-3.0									
3.5	-3.5									
4.0	-4.0									
4.5	-4.5									

REMARKS
Soils tested in accordance with NZGS

SYMBOLS

- ▼ Standing Water Level
- ◁ Out flow
- ▷ In flow

Produced with Core-GS by Geac



DCP LOG

DCP8.51

SHEET 51 OF 60

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 8, Lot 107
PROJECT: 183970602	EASTING: 1928341.23	STARTED: 06-08-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607833.98	FINISHED: 06-08-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: JM/AR/BR DATE: 07-08-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
					4 8 12 16		
0.2				2			
0.3				2			
0.4				3			
0.5				6			
0.6				7			
0.7				5			
0.8				4			
0.9				3			
1.0				3			
1.1				3			
1.2				2			
1.3				3			
1.4				4			
1.5				7			
1.6				8			
1.7				6			
1.8				6			
1.9				8			
2.0				5			
2.1				3			
2.2				3			
2.3				3			
2.4				5			
2.5				5			
2.6				6			
2.7				7			
2.8				5			
2.9				6			
3.0				6			

REMARKS Soils tested in accordance with NZGS	SYMBOLS ▼ Standing Water Level ◁ Out flow ▷ In flow
---	--

Produced with Core-GS by Geotec

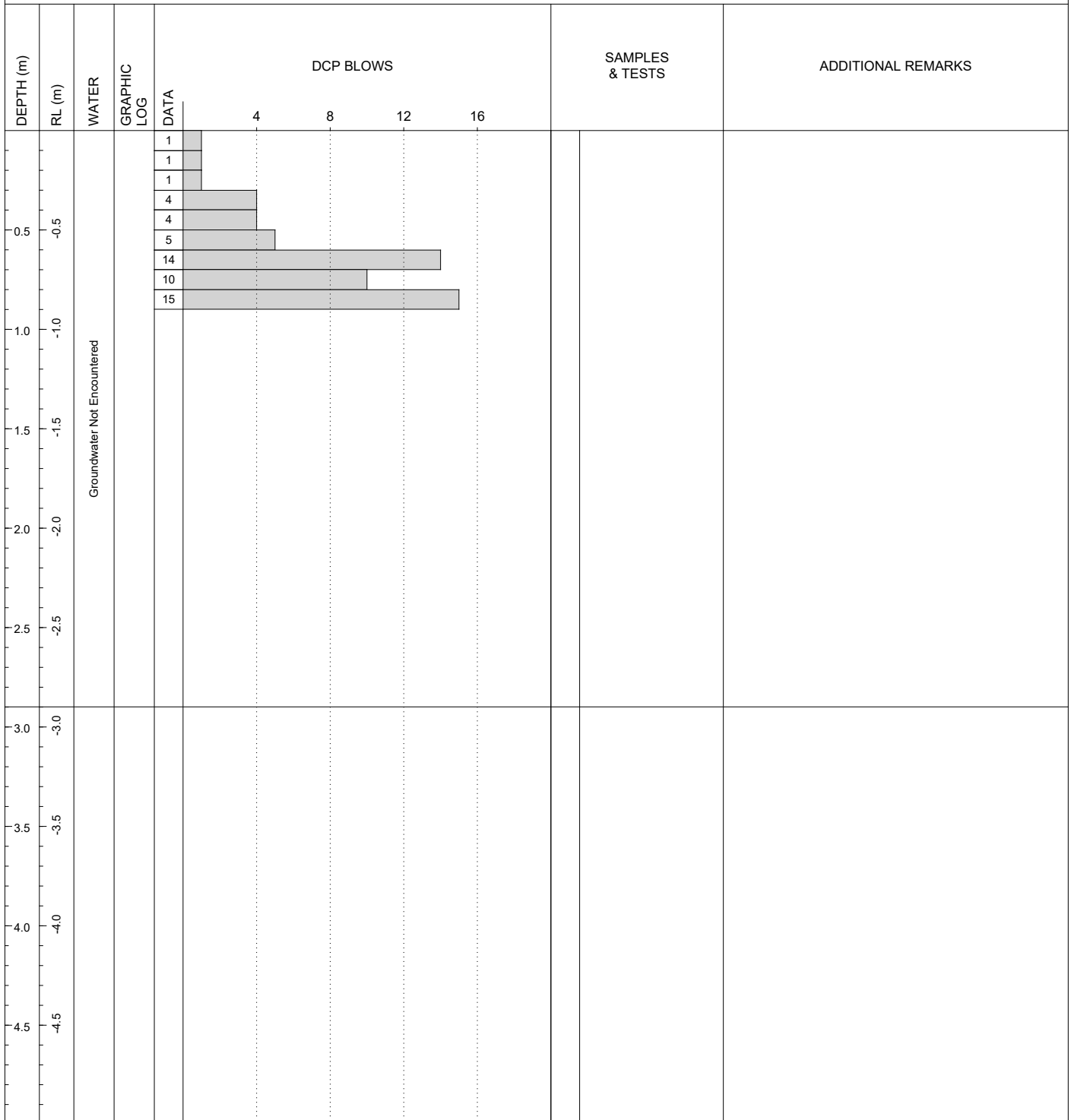


DCP LOG

DCP8.52

SHEET 52 OF 60

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 8, Lot 107
PROJECT: 183970602	EASTING: 1928356.88	STARTED: 06-08-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607844.51	FINISHED: 06-08-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: JM/AR/BR DATE: 07-08-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data



REMARKS
Soils tested in accordance with NZGS

- SYMBOLS**
- ▼ Standing Water Level
 - ◁ Out flow
 - ▷ In flow

Produced with Core-GS by Geac

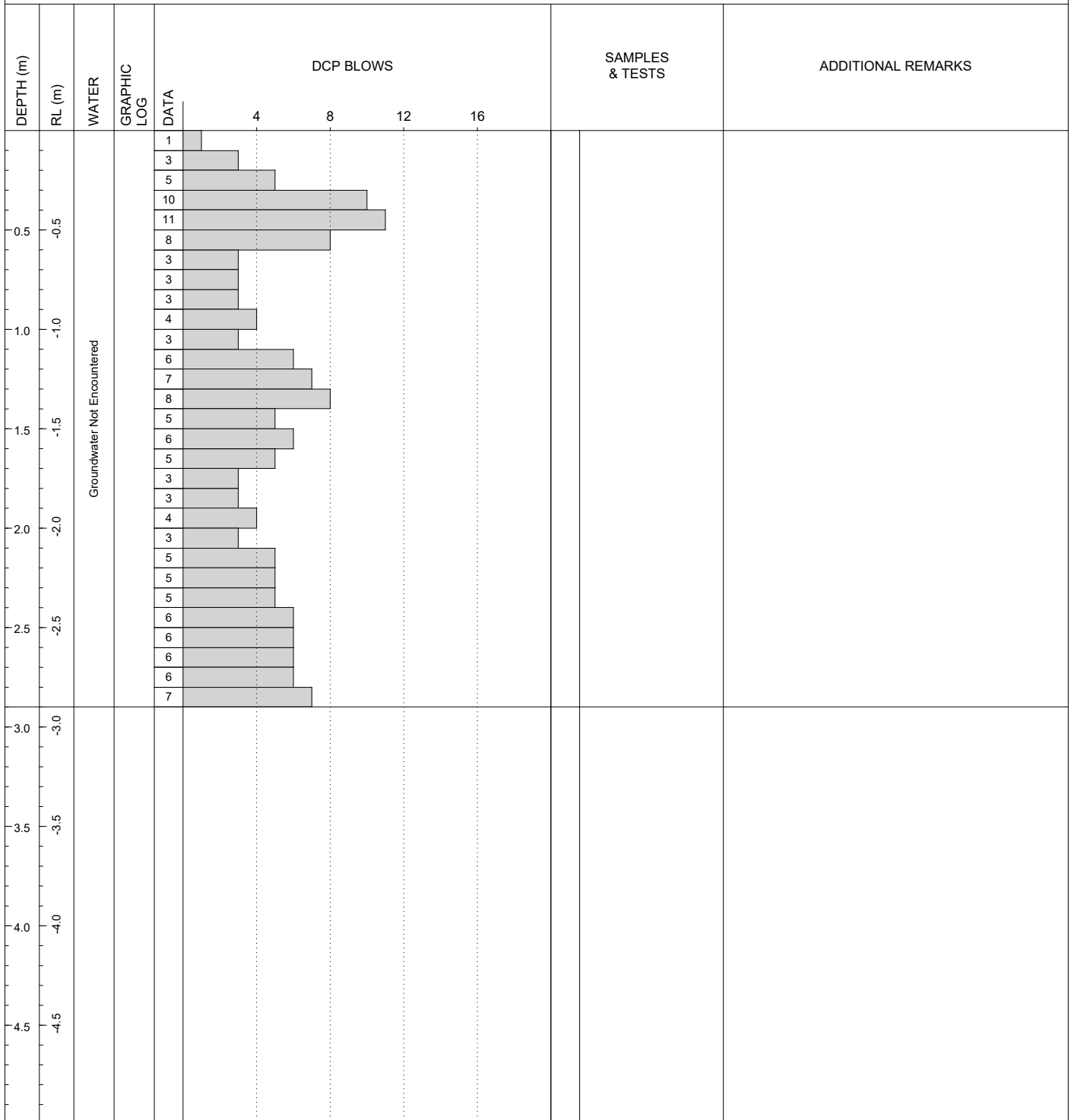


DCP LOG

DCP8.53

SHEET 53 OF 60

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 8, Lot 108
PROJECT: 183970602	EASTING: 1928352.98	STARTED: 06-08-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607853.69	FINISHED: 06-08-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: BR/AR DATE: 07-08-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data



REMARKS
Soils tested in accordance with NZGS

SYMBOLS

- ▼ Standing Water Level
- ◁ Out flow
- ▷ In flow

Produced with Core-GS by Geric



DCP LOG

DCP8.54

SHEET 54 OF 60

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 8, Lot 108
PROJECT: 183970602	EASTING: 1928339.20	STARTED: 06-08-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607841.73	FINISHED: 06-08-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: BR/AR DATE: 07-08-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
					4 8 12 16		
0.5	-0.5	Groundwater Not Encountered		2 1 1 2 3 19 34 15 15			
1.0	-1.0						
1.5	-1.5						
2.0	-2.0						
2.5	-2.5						
3.0	-3.0						
3.5	-3.5						
4.0	-4.0						
4.5	-4.5						

REMARKS
Soils tested in accordance with NZGS

SYMBOLS

- ▼ Standing Water Level
- ◁ Out flow
- ▷ In flow

Produced with Core-GS by Geotec

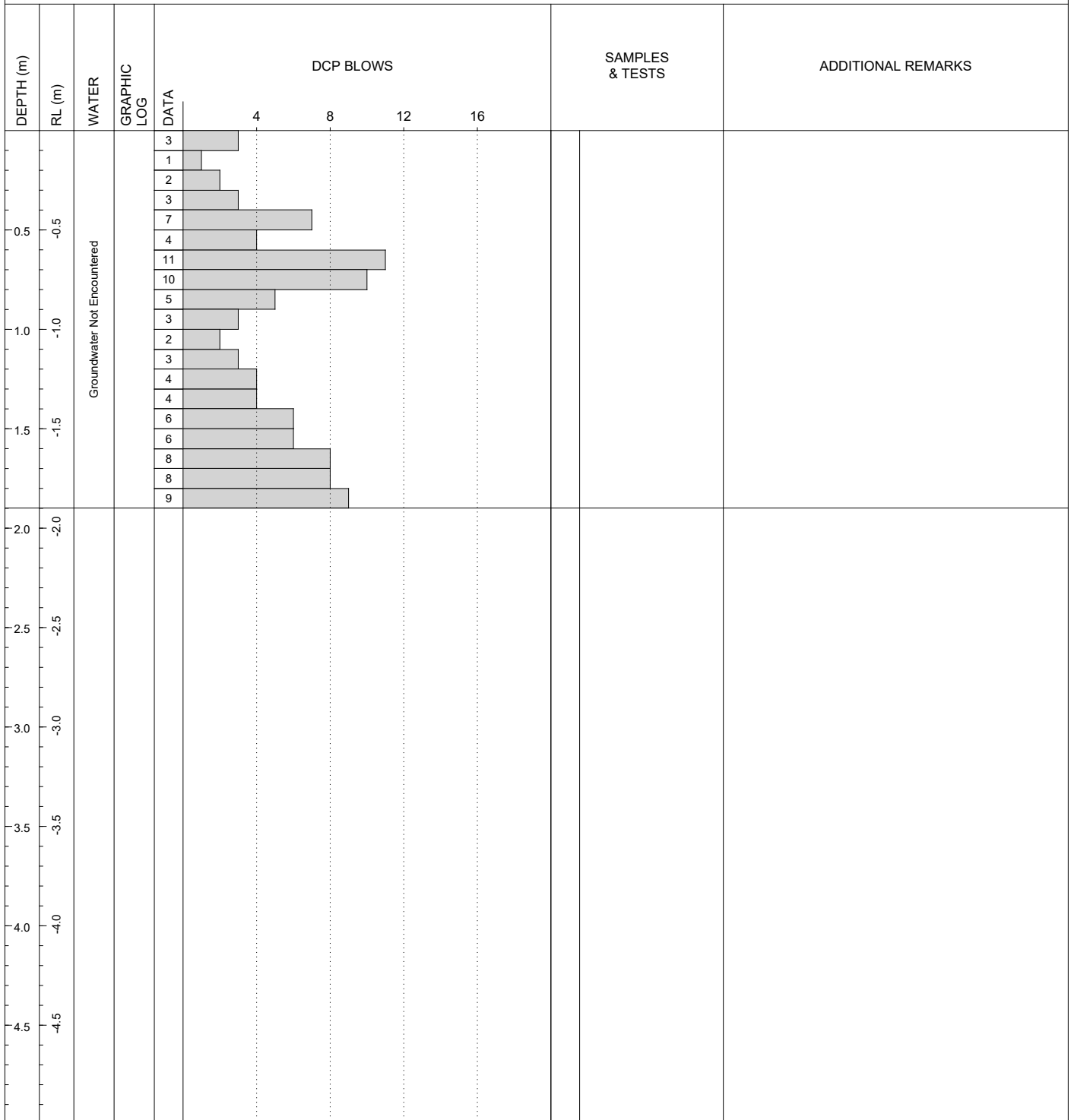


DCP LOG

DCP8.55

SHEET 55 OF 60

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 8, Lot 108
PROJECT: 183970602	EASTING: 1928332.36	STARTED: 06-08-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607849.09	FINISHED: 06-08-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: BR/AR DATE: 07-08-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data



REMARKS
Soils tested in accordance with NZGS

- SYMBOLS**
- ▼ Standing Water Level
 - ◁ Out flow
 - ▷ In flow

Produced with Core-GS by Geotec

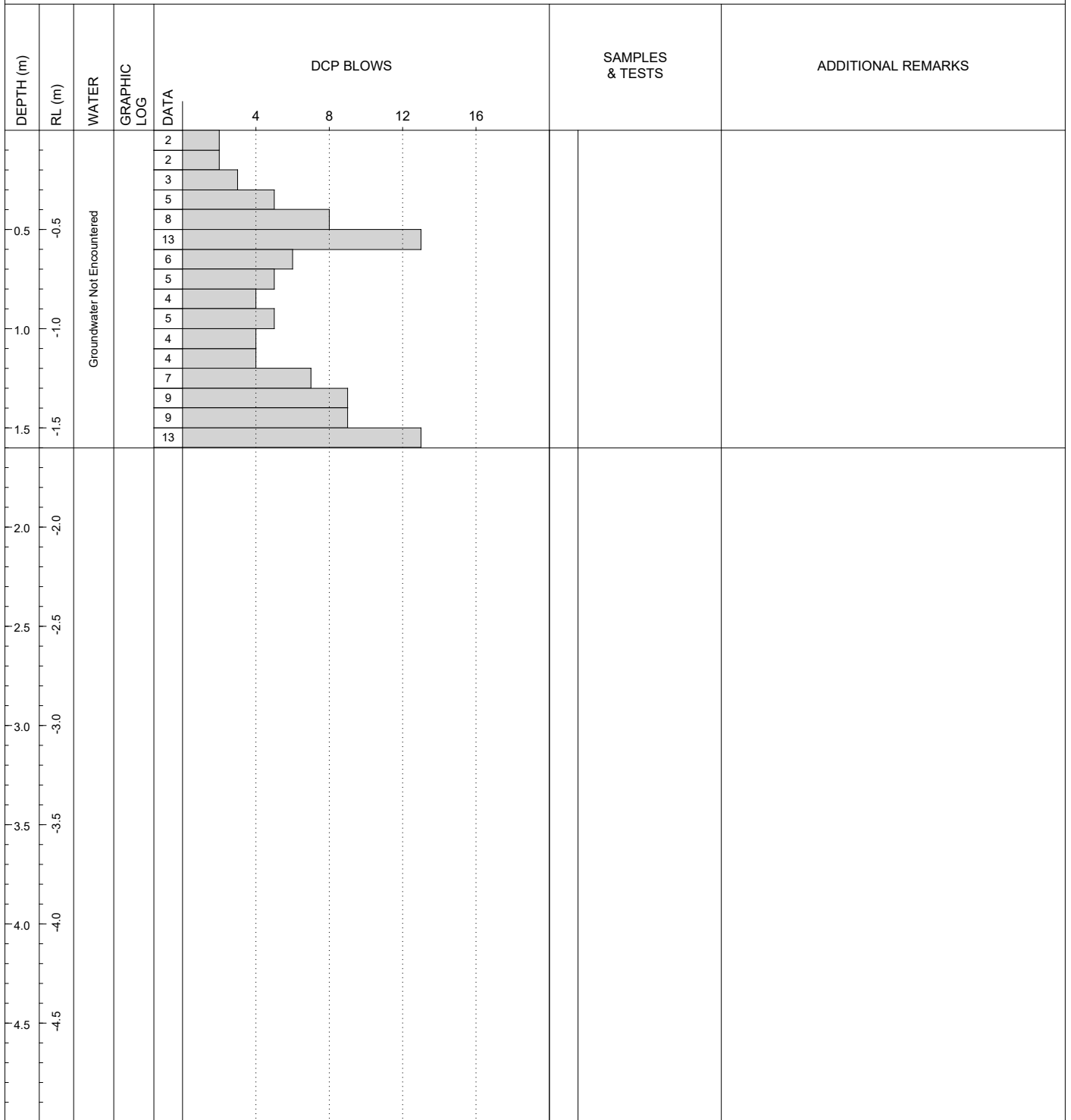


DCP LOG

DCP8.56

SHEET 56 OF 60

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 8, Lot 108
PROJECT: 183970602	EASTING: 1928345.90	STARTED: 06-08-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607863.02	FINISHED: 06-08-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: BR/AR DATE: 07-08-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data



REMARKS
Soils tested in accordance with NZGS

- SYMBOLS**
- ▼ Standing Water Level
 - ◁ Out flow
 - ▷ In flow

Produced with Core-GS by Geotec

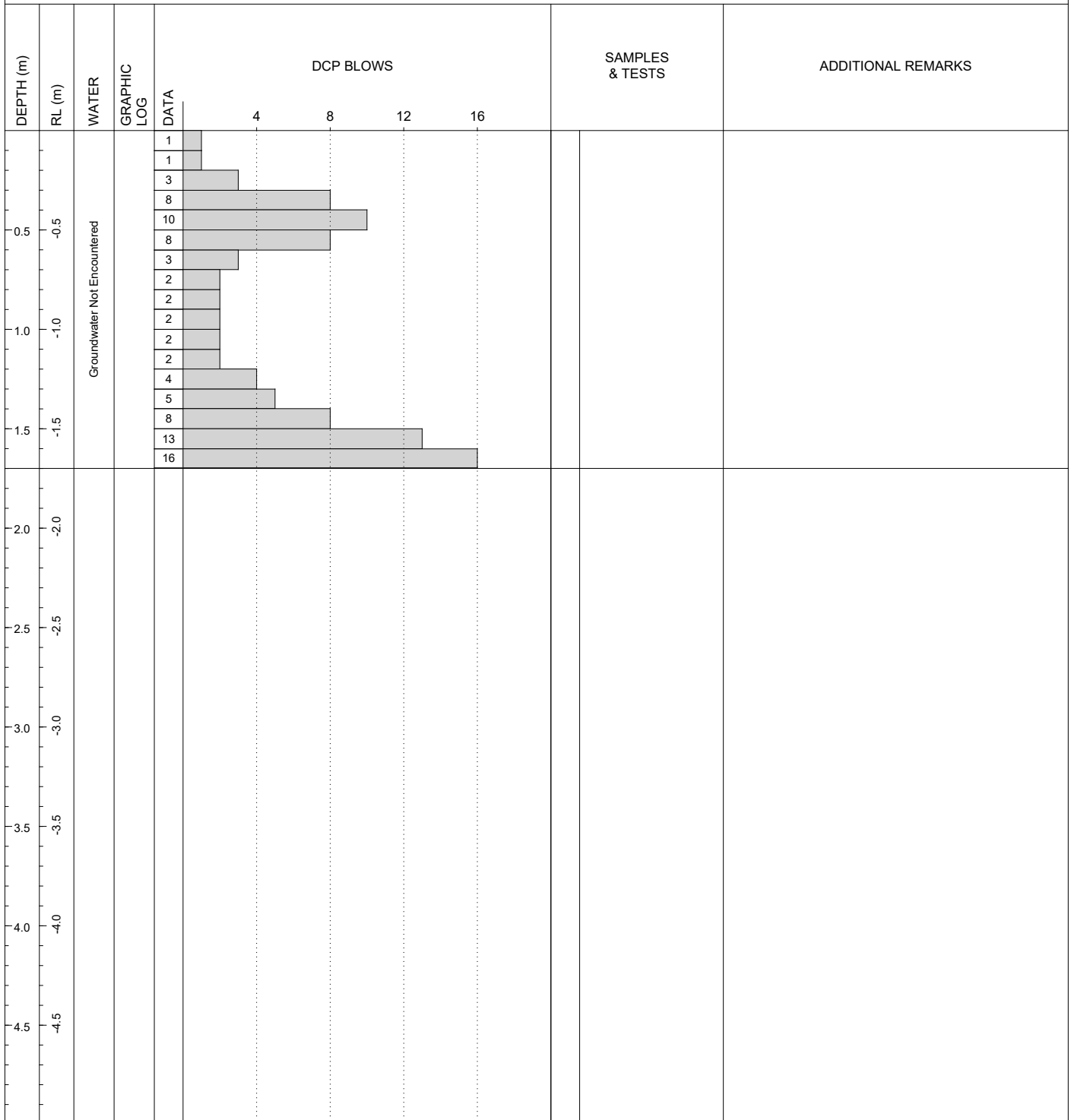


DCP LOG

DCP8.57

SHEET 57 OF 60

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 8, Lot 109
PROJECT: 183970602	EASTING: 1928330.66	STARTED: 06-08-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607866.39	FINISHED: 06-08-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: BR/AR DATE: 09-08-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data



REMARKS
Soils tested in accordance with NZGS

- SYMBOLS**
- ▼ Standing Water Level
 - ◁ Out flow
 - ▷ In flow

Produced with Core-GS by Geotec



DCP LOG

DCP8.58

SHEET 58 OF 60

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 8, Lot 109
PROJECT: 183970602	EASTING: 1928321.66	STARTED: 06-08-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607856.90	FINISHED: 06-08-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: BR/AR DATE: 09-08-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
				4 8 12 16		
0.5	-0.5	Groundwater Not Encountered				
1.0	-1.0			5 double bounce		
1.5	-1.5					
2.0	-2.0					
2.5	-2.5					
3.0	-3.0					
3.5	-3.5					
4.0	-4.0					
4.5	-4.5					

REMARKS
Soils tested in accordance with NZGS

SYMBOLS

- ▼ Standing Water Level
- ◁ Out flow
- ▷ In flow

Produced with Core-GS by Geac



DCP LOG

DCP8.59

SHEET 59 OF 60

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 8, Lot 109
PROJECT: 183970602	EASTING: 1928313.56	STARTED: 06-08-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607866.91	FINISHED: 06-08-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: BR/AR DATE: 09-08-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
					4 8 12 16		
0.5	-0.5	Groundwater Not Encountered		4			
				3			
				4			
				5			
				18			
				14			
				12			
				12			
				12			
1.0	-1.0						
1.5	-1.5						
2.0	-2.0						
2.5	-2.5						
3.0	-3.0						
3.5	-3.5						
4.0	-4.0						
4.5	-4.5						

REMARKS
Soils tested in accordance with NZGS

SYMBOLS

- ▼ Standing Water Level
- ◁ Out flow
- ▷ In flow

Produced with Core-GS by Geotec



DCP LOG

DCP8.60

SHEET 60 OF 60

CLIENT: Greenstone Land Developments Ltd	PROJECTION: NZTM2000	SUB-LOCATION: Stage 8, Lot 109
PROJECT: 183970602	EASTING: 1928323.26	STARTED: 06-08-2019
LOCATION: Lyndhurst Road, Frimley, Hastings	NORTHING: 5607871.38	FINISHED: 06-08-2019
OFFICE: RDCL - Hastings	DATUM: -	LOGGED BY: BR/AR DATE: 09-08-2019
ENGINEER: TB	ELEVATION: -	CHECKED BY: TB DATE: 14-08-2019
	AZUMITH: PLUNGE: 90°	STATUS: Final data

DEPTH (m)	RL (m)	WATER	GRAPHIC LOG	DATA	DCP BLOWS	SAMPLES & TESTS	ADDITIONAL REMARKS
					4 8 12 16		
0.5	-0.5	Groundwater Not Encountered		8	8		
			8	8			
			8	8			
			20	16			
			13	12			
			10	10			
			7	8			
			5	5			
			4	4			
1.0	-1.0		8	8			
			8	8			
			8	8			
			10	10			
		16	16				
1.5	-1.5						
2.0	-2.0						
2.5	-2.5						
3.0	-3.0						
3.5	-3.5						
4.0	-4.0						
4.5	-4.5						

REMARKS Soils tested in accordance with NZGS	SYMBOLS ▼ Standing Water Level ◁ Out flow ▷ In flow
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APPENDIX C – CONE PENETROMETER (CPT) OUTPUTS



CONE PENETRATION TEST

Job: 183970602

CPT No.: CPT106

Name: Lyndhurst Stages 7 to 12 Development
Client: Greenstone Land Developments Ltd
Location: Lyndhurst Road, Frimley, Hastings

Grid: NZTM

North (m): 5607791.00

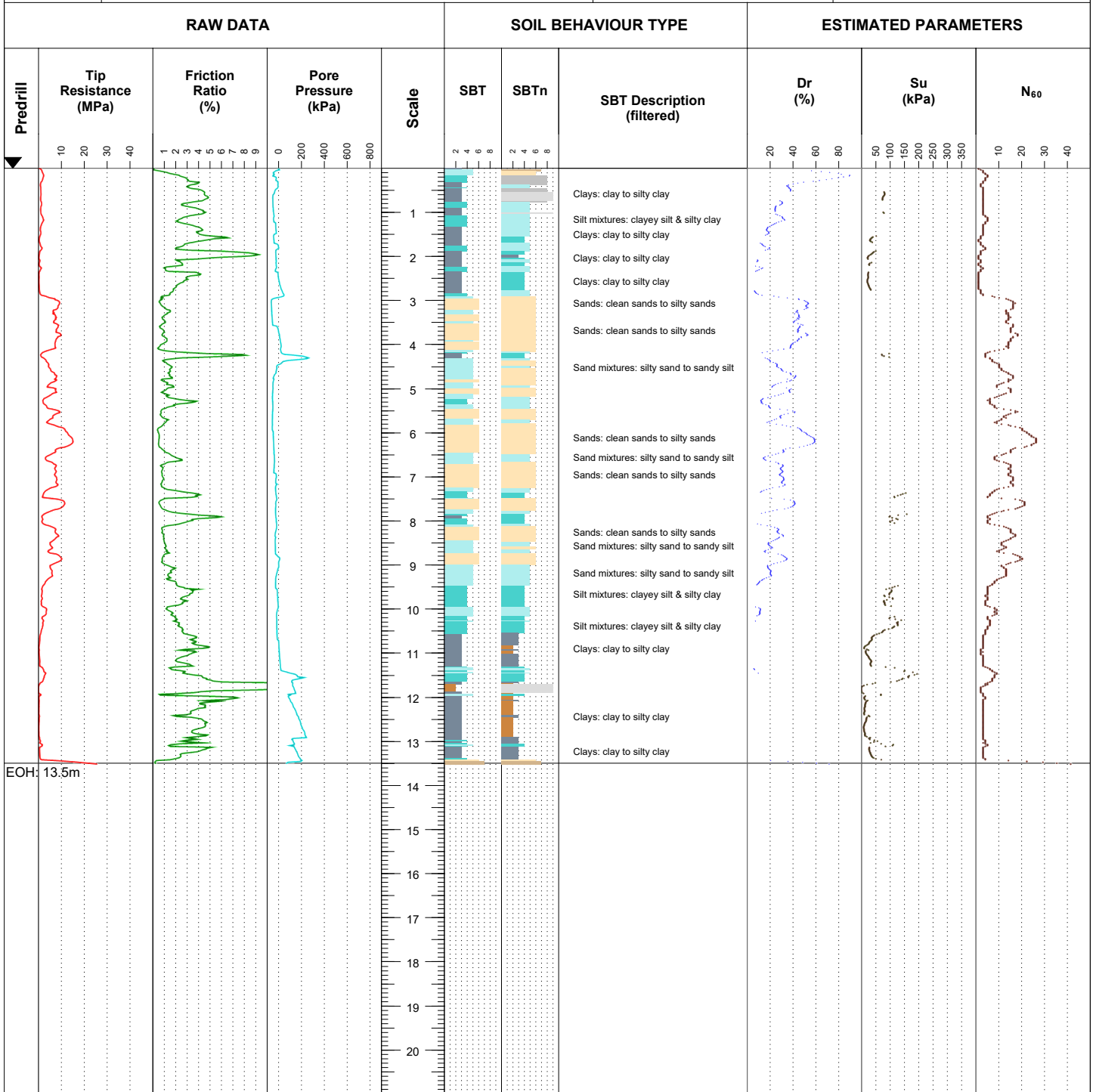
Datum: -

East (m): 1928429.00

Termination: Anchor Failure

Elevation (m): -

Hole Depth (m): 13.50



Soil Behaviour Type (SBT) - Robertson et al. 1986

- 0** Undefined
- 1** Sensitive fine-grained
- 2** Clay - organic soil
- 3** Clays: clay to silty clay
- 4** Silt mixtures: clayey silt & silty clay
- 5** Sand mixtures: silty sand to sandy silt
- 6** Sands: clean sands to silty sands
- 7** Dense sand to gravelly sand
- 8** Stiff sand to clayey sand
- 9** Stiff fine-grained

Notes & Limitations

Data shown on this report has been assessed to provide a basic interpretation in terms of Soil Behaviour Type (SBT) and various geotechnical soil and design parameters using methods published in P. K. Robertson and K.L. Cabal (2010), Guide to Cone Penetration Testing for Geotechnical Engineering, 4th Edition. The interpretations are presented only as a guide for geotechnical use, and should be carefully reviewed by the user. Geroc Solutions Ltd do not warrant the correctness or the applicability of any of the geotechnical soil and design parameters shown and does not assume any liability for any use of the results in any design or review. The user should be fully aware of the techniques and limitations of any method used to derive data shown in this report.

Remarks

Hole Depth (m): 13.50

Sheet 1 of 5



CONE PENETRATION TEST

Job: 183970602

CPT No.: CPT107

Name: Lyndhurst Stages 7 to 12 Development
Client: Greenstone Land Developments Ltd
Location: Lyndhurst Road, Frimley, Hastings

Grid: NZTM

North (m): 5607871.00

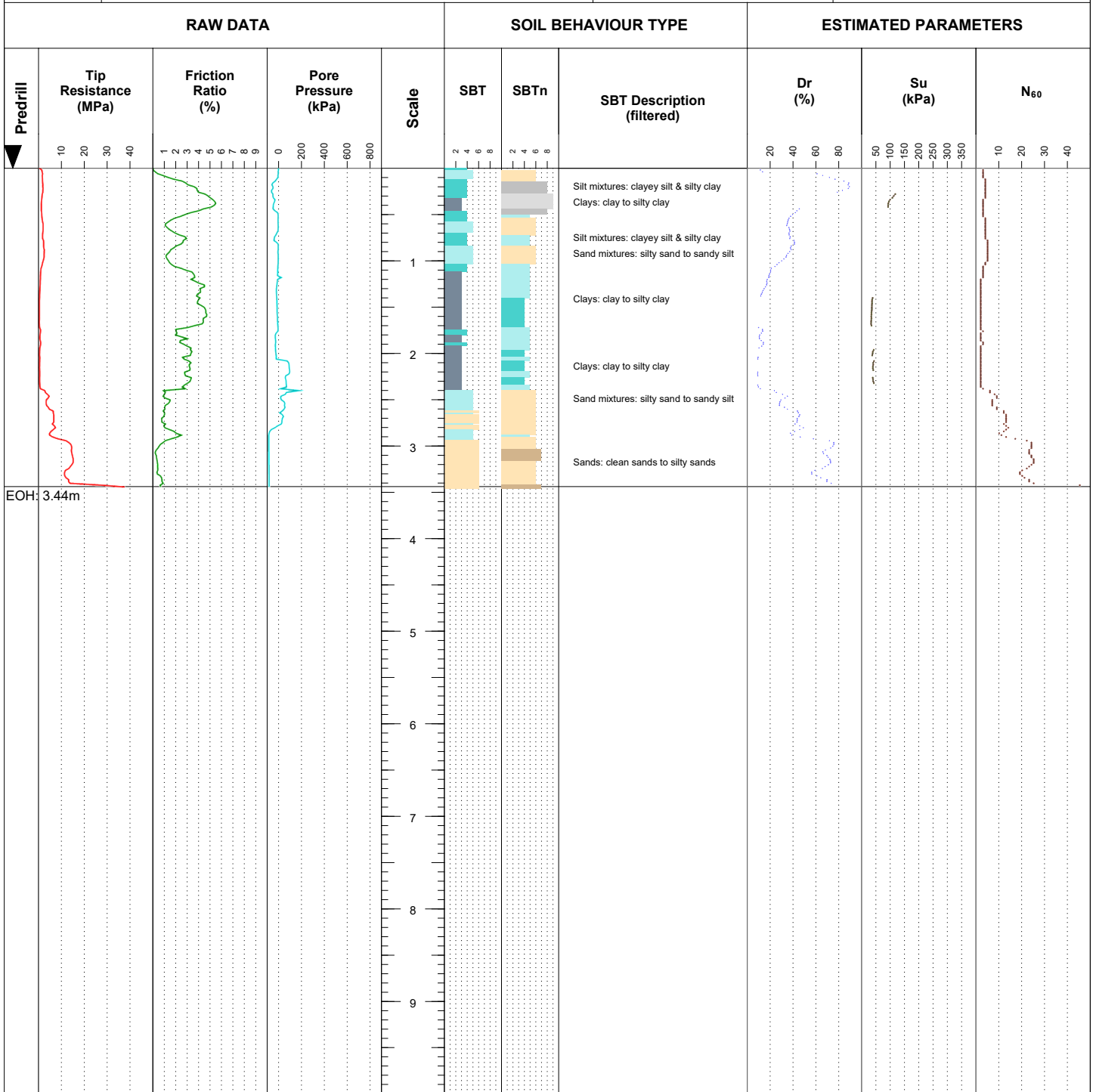
Datum: -

East (m): 1928531.00

Termination: Anchor Failure

Elevation (m): -

Hole Depth (m): 3.44



Soil Behaviour Type (SBT) - Robertson et al. 1986

- | | |
|--|--|
| 0 Undefined | 5 Sand mixtures: silty sand to sandy silt |
| 1 Sensitive fine-grained | 6 Sands: clean sands to silty sands |
| 2 Clay - organic soil | 7 Dense sand to gravelly sand |
| 3 Clays: clay to silty clay | 8 Stiff sand to clayey sand |
| 4 Silt mixtures: clayey silt & silty clay | 9 Stiff fine-grained |

Notes & Limitations

Data shown on this report has been assessed to provide a basic interpretation in terms of Soil Behaviour Type (SBT) and various geotechnical soil and design parameters using methods published in P. K. Robertson and K.L. Cabal (2010), Guide to Cone Penetration Testing for Geotechnical Engineering, 4th Edition. The interpretations are presented only as a guide for geotechnical use, and should be carefully reviewed by the user. Geroc Solutions Ltd do not warrant the correctness or the applicability of any of the geotechnical soil and design parameters shown and does not assume any liability for any use of the results in any design or review. The user should be fully aware of the techniques and limitations of any method used to derive data shown in this report.

Remarks

Hole Depth (m): 3.44

Sheet 2 of 5



CONE PENETRATION TEST

Name: Lyndhurst Stages 7 to 12 Development
Client: Greenstone Land Developments Ltd
Location: Lyndhurst Road, Frimley, Hastings

Job: 183970602

CPT No.: CPT108

Grid: NZTM

North (m): 5607922.00

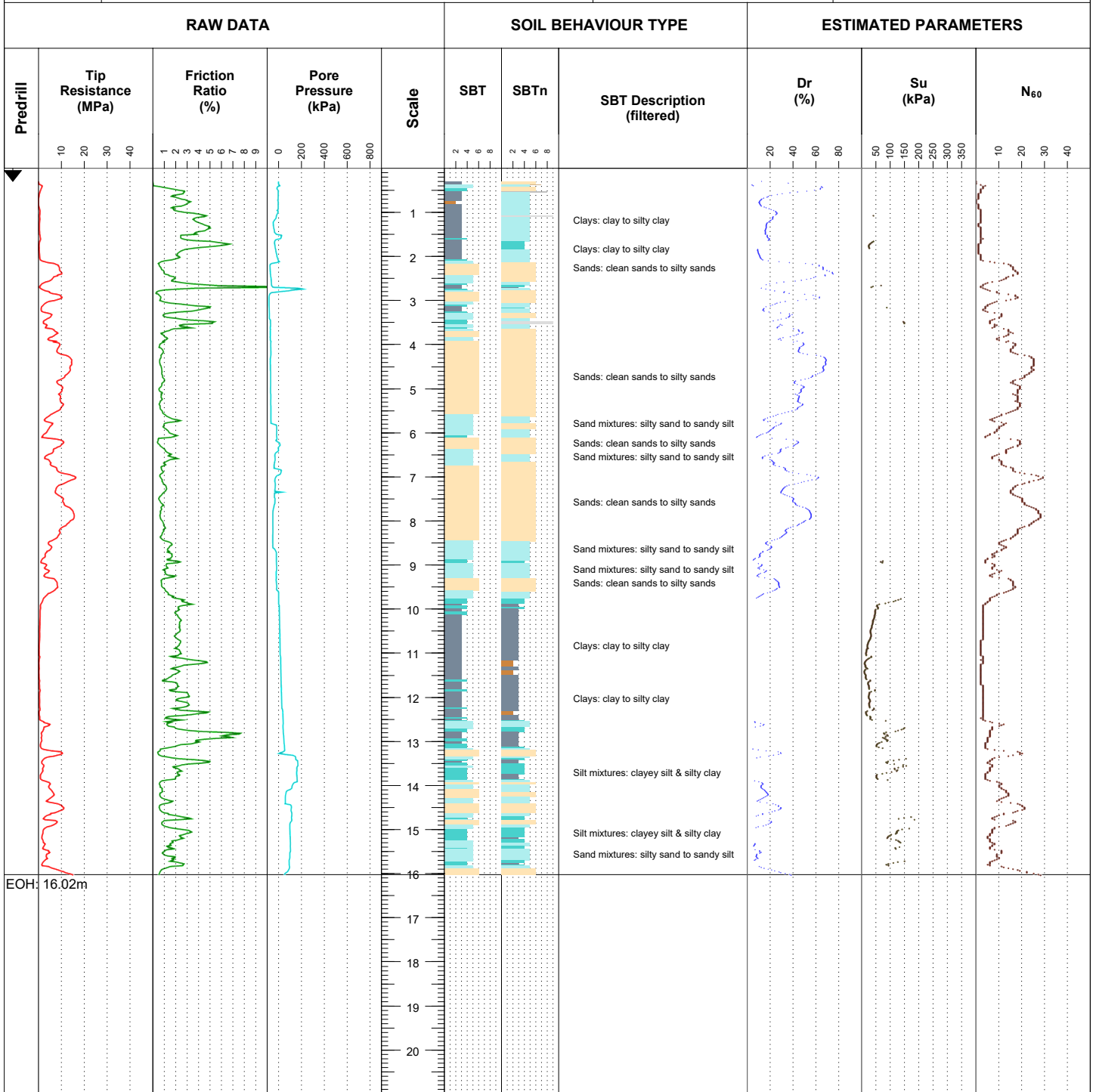
Datum: -

East (m): 1928610.00

Termination: Anchor Failure

Elevation (m): -

Hole Depth (m): 16.02



Soil Behaviour Type (SBT) - Robertson et al. 1986

- | | |
|--|--|
| 0 Undefined | 5 Sand mixtures: silty sand to sandy silt |
| 1 Sensitive fine-grained | 6 Sands: clean sands to silty sands |
| 2 Clay - organic soil | 7 Dense sand to gravelly sand |
| 3 Clays: clay to silty clay | 8 Stiff sand to clayey sand |
| 4 Silt mixtures: clayey silt & silty clay | 9 Stiff fine-grained |

Notes & Limitations

Data shown on this report has been assessed to provide a basic interpretation in terms of Soil Behaviour Type (SBT) and various geotechnical soil and design parameters using methods published in P. K. Robertson and K.L. Cabal (2010), Guide to Cone Penetration Testing for Geotechnical Engineering, 4th Edition. The interpretations are presented only as a guide for geotechnical use, and should be carefully reviewed by the user. Geroc Solutions Ltd do not warrant the correctness or the applicability of any of the geotechnical soil and design parameters shown and does not assume any liability for any use of the results in any design or review. The user should be fully aware of the techniques and limitations of any method used to derive data shown in this report.

Remarks

Hole Depth (m): 16.02

Sheet 3 of 5



CONE PENETRATION TEST

Job: 183970602

CPT No.: CPT206

Name: Lyndhurst Stages 7 to 12 Development
Client: Greenstone Land Developments Ltd
Location: Lyndhurst Road, Frimley, Hastings

Grid: NZTM

North (m): 5607853.00

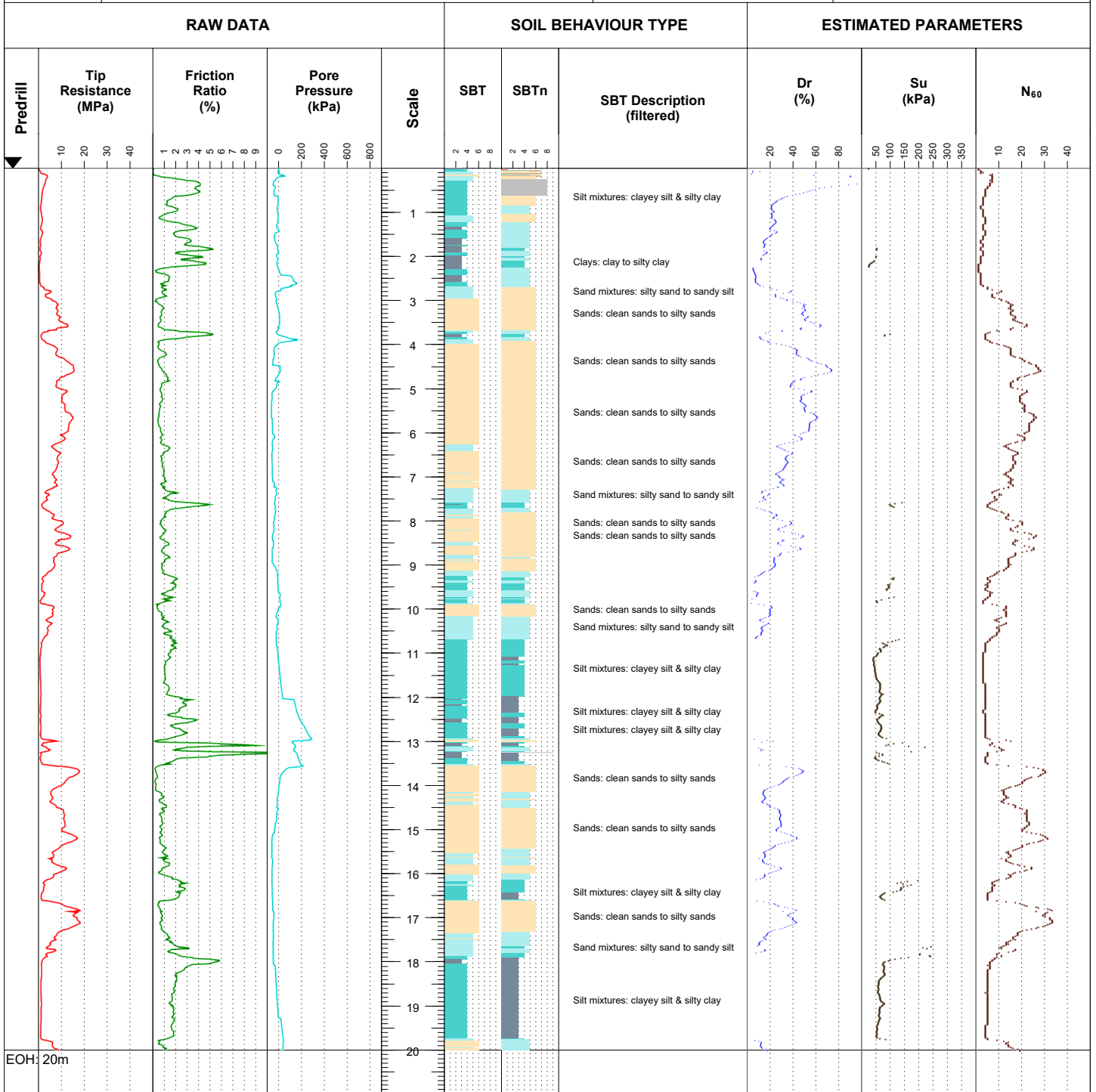
Datum: -

East (m): 1928444.00

Termination: Target depth

Elevation (m): 0.00

Hole Depth (m): 20.00



EOH: 20m

Soil Behaviour Type (SBT) - Robertson et al. 1986

- 0 Undefined
- 1 Sensitive fine-grained
- 2 Clay - organic soil
- 3 Clays: clay to silty clay
- 4 Silt mixtures: clayey silt & silty clay
- 5 Sand mixtures: silty sand to sandy silt
- 6 Sands: clean sands to silty sands
- 7 Dense sand to gravelly sand
- 8 Stiff sand to clayey sand
- 9 Stiff fine-grained

Notes & Limitations

Data shown on this report has been assessed to provide a basic interpretation in terms of Soil Behaviour Type (SBT) and various geotechnical soil and design parameters using methods published in P. K. Robertson and K.L. Cabal (2010), Guide to Cone Penetration Testing for Geotechnical Engineering, 4th Edition. The interpretations are presented only as a guide for geotechnical use, and should be carefully reviewed by the user. Geroc Solutions Ltd do not warrant the correctness or the applicability of any of the geotechnical soil and design parameters shown and does not assume any liability for any use of the results in any design or review. The user should be fully aware of the techniques and limitations of any method used to derive data shown in this report.

Remarks

Hole Depth (m): 20.00

Sheet 4 of 5



CONE PENETRATION TEST

Job: 183970602

CPT No.: CPT208

Name: Lyndhurst Stages 7 to 12 Development
Client: Greenstone Land Developments Ltd
Location: Lyndhurst Road, Frimley, Hastings

Grid: NZTM

North (m): 5607895.00

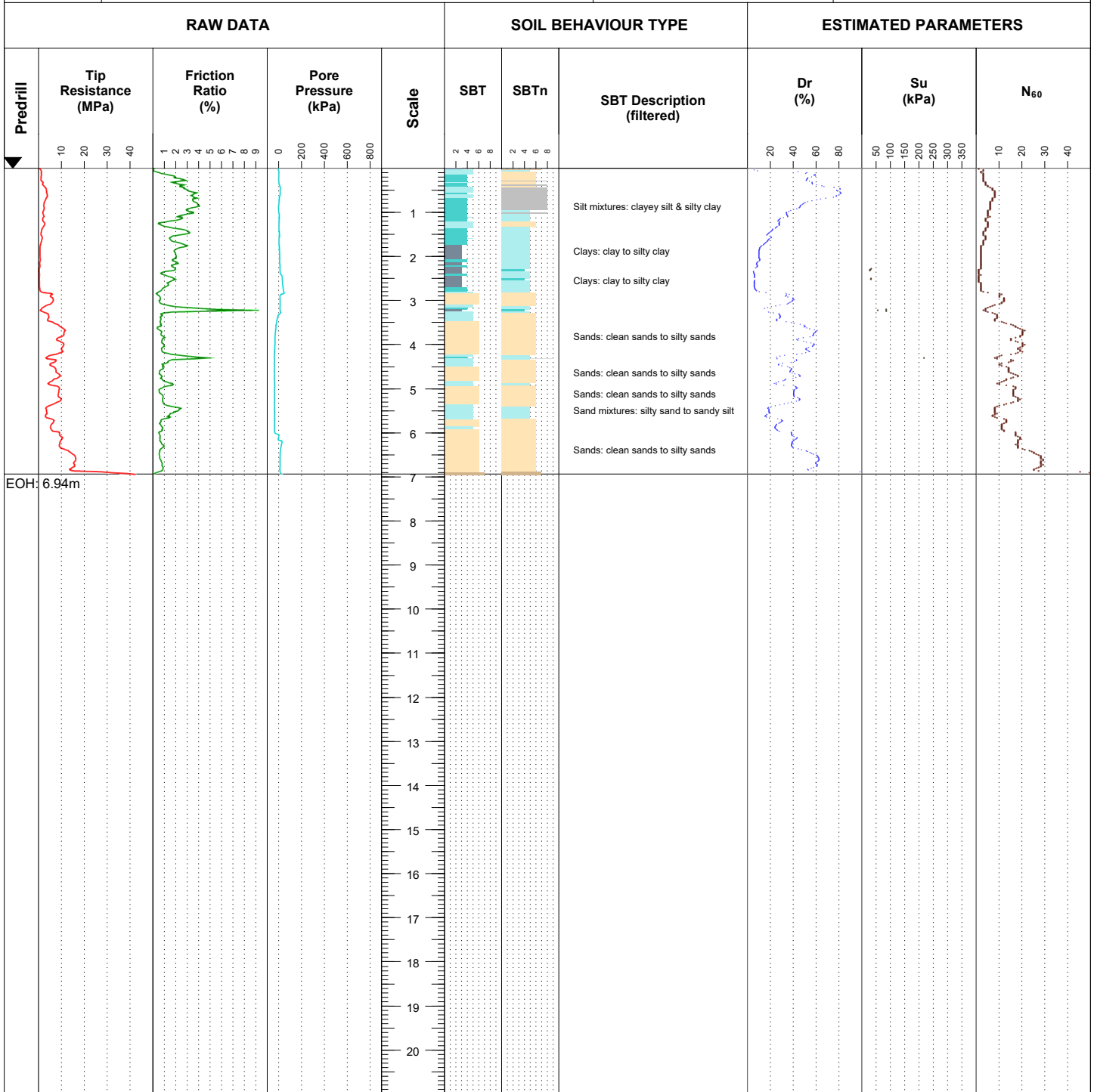
Datum: -

East (m): 1928543.00

Termination: 35MPa Tip Resist

Elevation (m): 0.00

Hole Depth (m): 6.94



Soil Behaviour Type (SBT) - Robertson et al. 1986

- 0 Undefined
- 5 Sand mixtures: silty sand to sandy silt
- 1 Sensitive fine-grained
- 6 Sands: clean sands to silty sands
- 2 Clay - organic soil
- 7 Dense sand to gravelly sand
- 3 Clays: clay to silty clay
- 8 Stiff sand to clayey sand
- 4 Silt mixtures: clayey silt & silty clay
- 9 Stiff fine-grained

Notes & Limitations

Data shown on this report has been assessed to provide a basic interpretation in terms of Soil Behaviour Type (SBT) and various geotechnical soil and design parameters using methods published in P. K. Robertson and K.L. Cabal (2010), Guide to Cone Penetration Testing for Geotechnical Engineering, 4th Edition. The interpretations are presented only as a guide for geotechnical use, and should be carefully reviewed by the user. Geroc Solutions Ltd do not warrant the correctness or the applicability of any of the geotechnical soil and design parameters shown and does not assume any liability for any use of the results in any design or review. The user should be fully aware of the techniques and limitations of any method used to derive data shown in this report.

Remarks

Hole Depth (m): 6.94

Sheet 5 of 5

SOUNDING DETAILS: CPT106**Sounding: 2**

Machine: Geoprobe 54LT	Water Level: -
Operator: TS	Tip Resistance Initial: 7.6628
Cone Reference: 4447	Tip Resistance Final: -0.0136
Cone Area Ratio: 0.85	Local Friction Initial: 123.4
Cone Type: -	Local Friction Final: 0.1
Date: 22-08-2018	Pore Pressure Initial: 239
Predrill: 0.00	Pore Pressure Final: -2.5

SOUNDING DETAILS: CPT107**Sounding: 3**

Machine: Geoprobe 54LT	Water Level: -
Operator: TS	Tip Resistance Initial: 7.6646
Cone Reference: 4447	Tip Resistance Final: -0.0266
Cone Area Ratio: 0.85	Local Friction Initial: 123.5
Cone Type: -	Local Friction Final: 0.2
Date: 22-08-2018	Pore Pressure Initial: 238.4
Predrill: 0.00	Pore Pressure Final: -1.5

SOUNDING DETAILS: CPT108**Sounding: 4**

Machine: Geoprobe 54LT	Water Level: -
Operator: TS	Tip Resistance Initial: 7.654
Cone Reference: 4447	Tip Resistance Final: -0.042
Cone Area Ratio: 0.85	Local Friction Initial: 123.6
Cone Type: -	Local Friction Final: 0.2
Date: 22-08-2018	Pore Pressure Initial: 238.6
Predrill: 0.30	Pore Pressure Final: -0.4

SOUNDING DETAILS: CPT206**Sounding: 1**

Machine: Geoprobe 54LT	Water Level: -
Operator: BR	Tip Resistance Initial: 5.9657
Cone Reference: 4483	Tip Resistance Final: 0.0219
Cone Area Ratio: 0.83	Local Friction Initial: 140
Cone Type: -	Local Friction Final: 0.2
Date: 27-06-2019	Pore Pressure Initial: 269.4
Predrill: 0.00	Pore Pressure Final: 0.2

SOUNDING DETAILS: CPT208**Sounding: 2**

Machine: Geoprobe 54LT	Water Level: -
Operator: BR	Tip Resistance Initial: 5.9545
Cone Reference: 4483	Tip Resistance Final: 0.0235
Cone Area Ratio: 0.83	Local Friction Initial: 136.8
Cone Type: -	Local Friction Final: 1.6
Date: 27-06-2019	Pore Pressure Initial: 269.2
Predrill: 0.00	Pore Pressure Final: -0.1



CONE PENETRATION TEST

Job: 183970602

CPT No.: CPT106

Name: Lyndhurst Stages 7 to 12 Development
Client: Greenstone Land Developments Ltd
Location: Lyndhurst Road, Frimley, Hastings

Grid: NZTM

North (m): 5607791.00

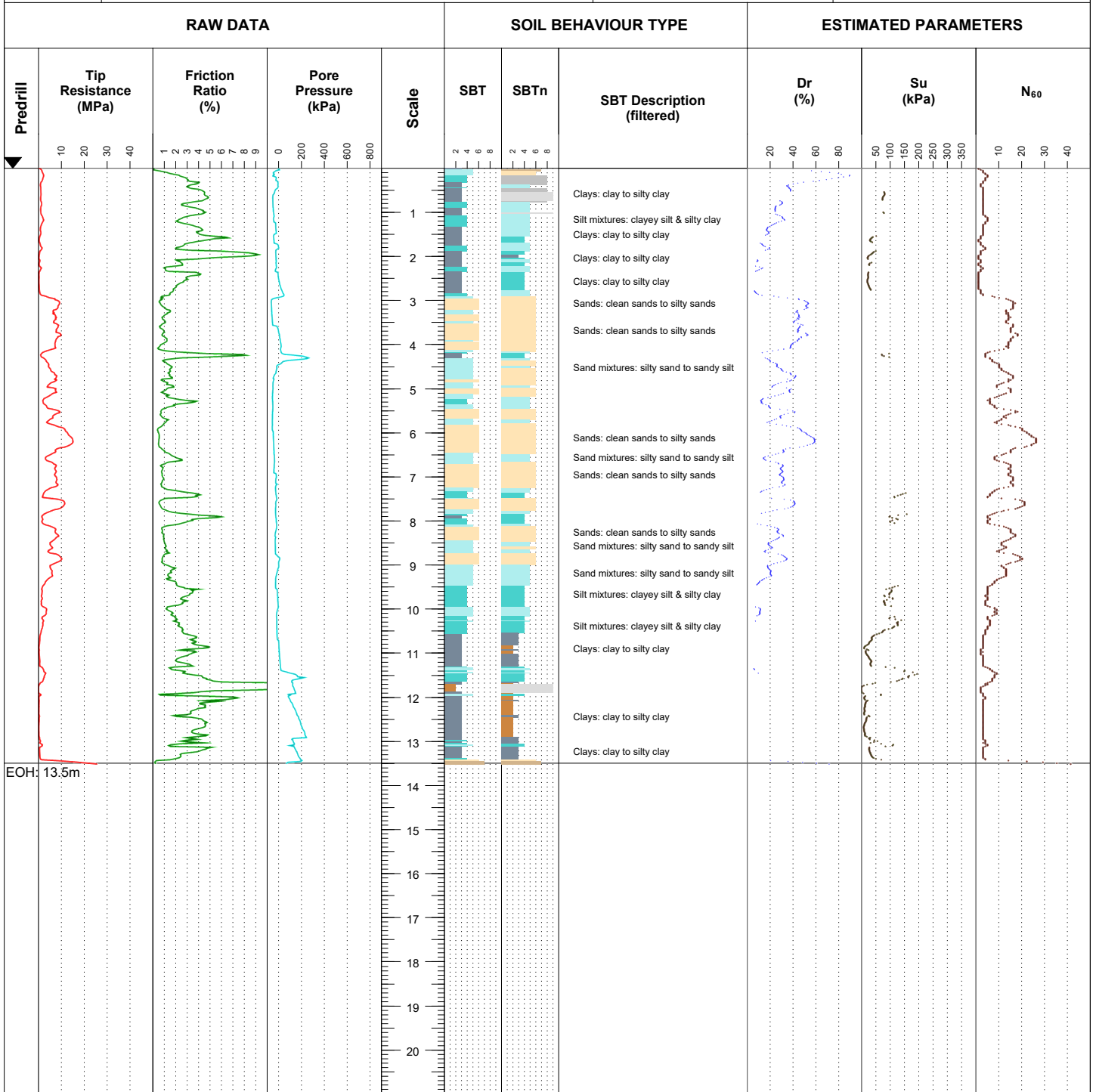
Datum: -

East (m): 1928429.00

Termination: Anchor Failure

Elevation (m): -

Hole Depth (m): 13.50



Soil Behaviour Type (SBT) - Robertson et al. 1986

- 0 Undefined
- 1 Sensitive fine-grained
- 2 Clay - organic soil
- 3 Clays: clay to silty clay
- 4 Silt mixtures: clayey silt & silty clay
- 5 Sand mixtures: silty sand to sandy silt
- 6 Sands: clean sands to silty sands
- 7 Dense sand to gravelly sand
- 8 Stiff sand to clayey sand
- 9 Stiff fine-grained

Notes & Limitations

Data shown on this report has been assessed to provide a basic interpretation in terms of Soil Behaviour Type (SBT) and various geotechnical soil and design parameters using methods published in P. K. Robertson and K.L. Cabal (2010), Guide to Cone Penetration Testing for Geotechnical Engineering, 4th Edition. The interpretations are presented only as a guide for geotechnical use, and should be carefully reviewed by the user. Geroc Solutions Ltd do not warrant the correctness or the applicability of any of the geotechnical soil and design parameters shown and does not assume any liability for any use of the results in any design or review. The user should be fully aware of the techniques and limitations of any method used to derive data shown in this report.

Remarks

Hole Depth (m): 13.50

Sheet 1 of 5



CONE PENETRATION TEST

Job: 183970602

CPT No.: CPT107

Name: Lyndhurst Stages 7 to 12 Development
Client: Greenstone Land Developments Ltd
Location: Lyndhurst Road, Frimley, Hastings

Grid: NZTM

Datum: -

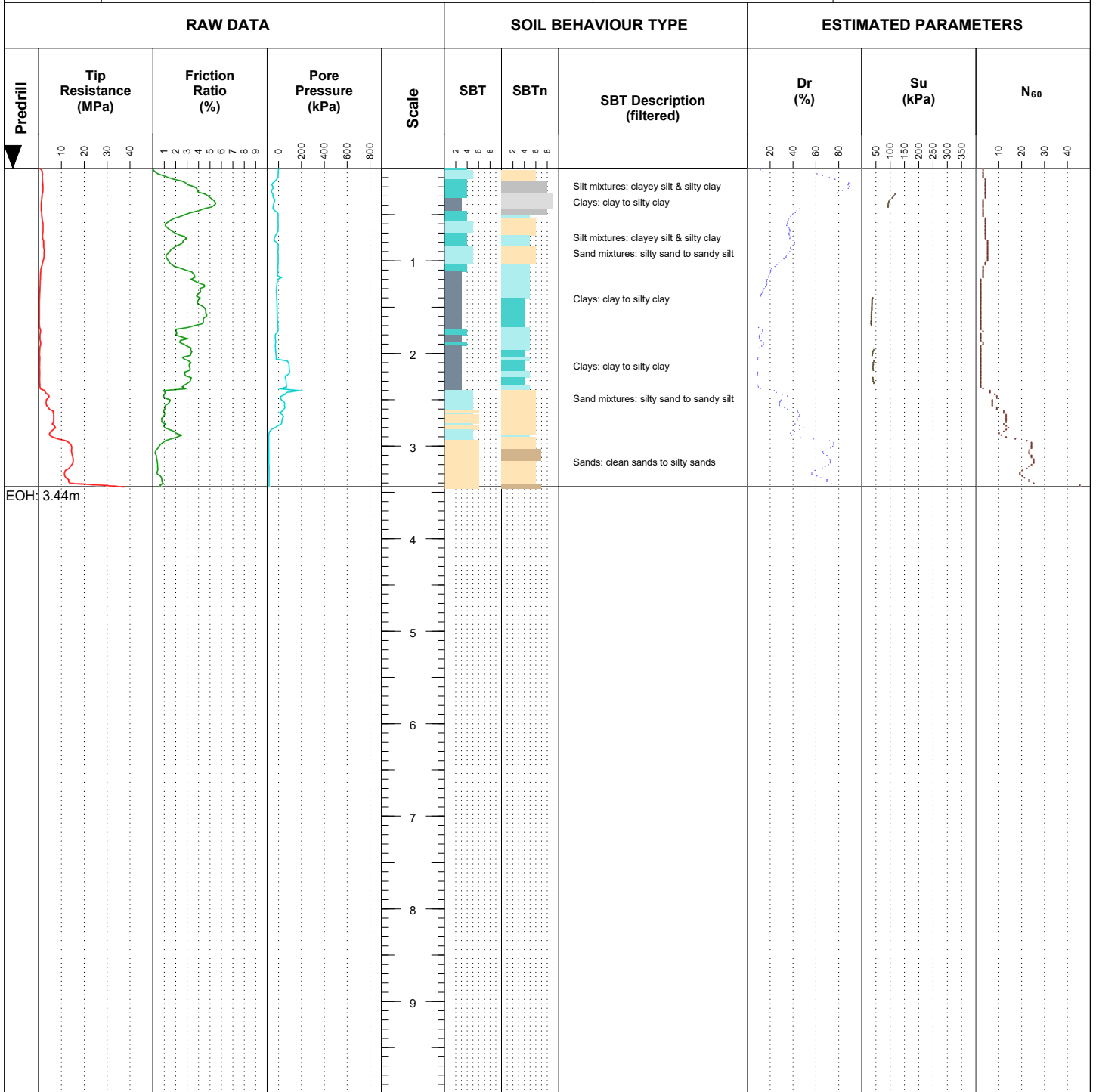
Termination: Anchor Failure

North (m): 5607871.00

East (m): 1928531.00

Elevation (m): -

Hole Depth (m): 3.44



Soil Behaviour Type (SBT) - Robertson et al. 1986

- | | |
|--|--|
| 0 Undefined | 5 Sand mixtures: silty sand to sandy silt |
| 1 Sensitive fine-grained | 6 Sands: clean sands to silty sands |
| 2 Clay - organic soil | 7 Dense sand to gravelly sand |
| 3 Clays: clay to silty clay | 8 Stiff sand to clayey sand |
| 4 Silt mixtures: clayey silt & silty clay | 9 Stiff fine-grained |

Notes & Limitations

Data shown on this report has been assessed to provide a basic interpretation in terms of Soil Behaviour Type (SBT) and various geotechnical soil and design parameters using methods published in P. K. Robertson and K.L. Cabal (2010), Guide to Cone Penetration Testing for Geotechnical Engineering, 4th Edition. The interpretations are presented only as a guide for geotechnical use, and should be carefully reviewed by the user. Geroc Solutions Ltd do not warrant the correctness or the applicability of any of the geotechnical soil and design parameters shown and does not assume any liability for any use of the results in any design or review. The user should be fully aware of the techniques and limitations of any method used to derive data shown in this report.

Remarks

Hole Depth (m): 3.44

Sheet 2 of 5



CONE PENETRATION TEST

Job: 183970602

CPT No.: CPT108

Name: Lyndhurst Stages 7 to 12 Development
Client: Greenstone Land Developments Ltd
Location: Lyndhurst Road, Frimley, Hastings

Grid: NZTM

North (m): 5607922.00

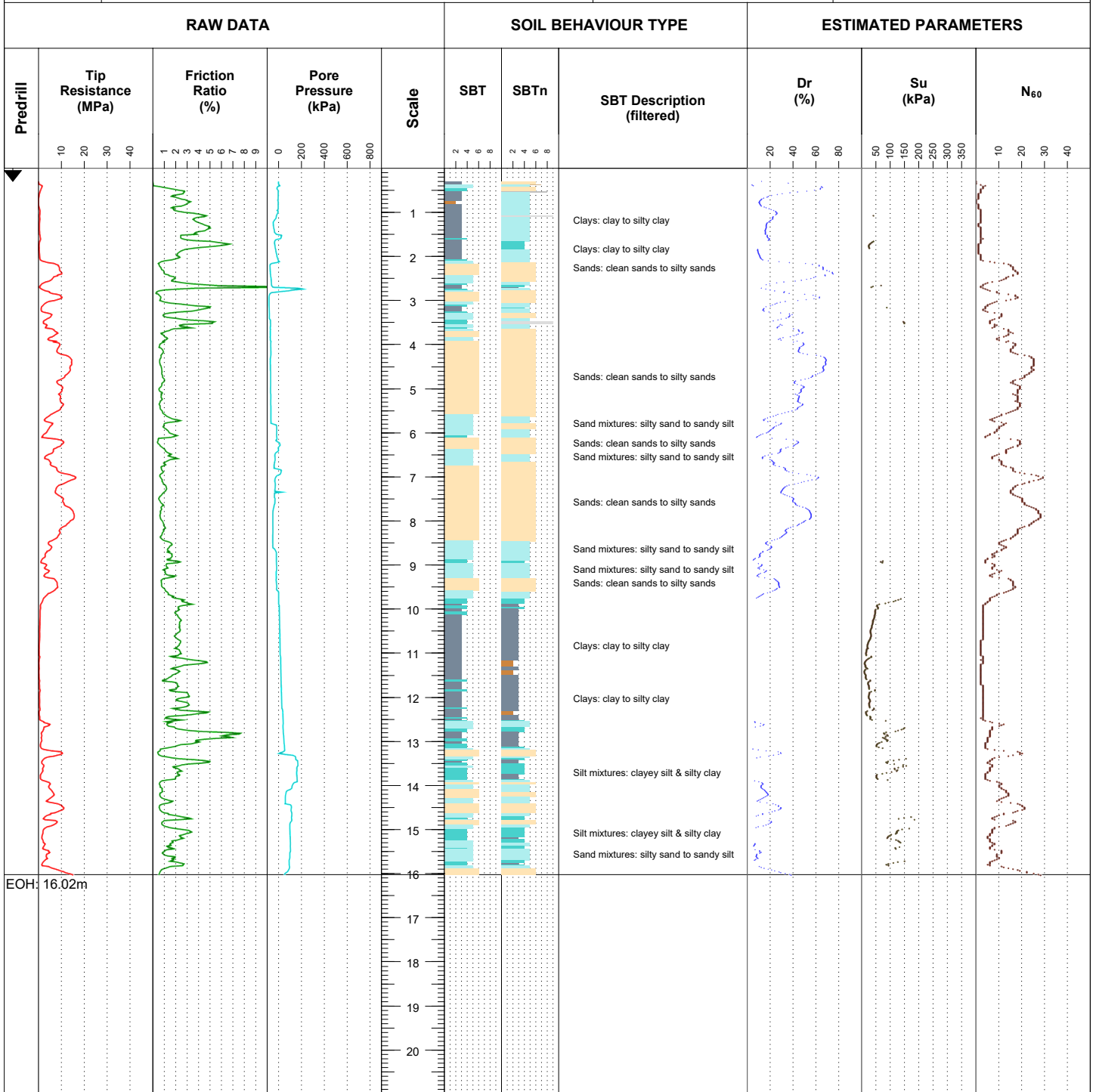
Datum: -

East (m): 1928610.00

Termination: Anchor Failure

Elevation (m): -

Hole Depth (m): 16.02



Soil Behaviour Type (SBT) - Robertson et al. 1986

- 0 Undefined
- 1 Sensitive fine-grained
- 2 Clay - organic soil
- 3 Clays: clay to silty clay
- 4 Silt mixtures: clayey silt & silty clay
- 5 Sand mixtures: silty sand to sandy silt
- 6 Sands: clean sands to silty sands
- 7 Dense sand to gravelly sand
- 8 Stiff sand to clayey sand
- 9 Stiff fine-grained

Notes & Limitations

Data shown on this report has been assessed to provide a basic interpretation in terms of Soil Behaviour Type (SBT) and various geotechnical soil and design parameters using methods published in P. K. Robertson and K.L. Cabal (2010), Guide to Cone Penetration Testing for Geotechnical Engineering, 4th Edition. The interpretations are presented only as a guide for geotechnical use, and should be carefully reviewed by the user. Geroc Solutions Ltd do not warrant the correctness or the applicability of any of the geotechnical soil and design parameters shown and does not assume any liability for any use of the results in any design or review. The user should be fully aware of the techniques and limitations of any method used to derive data shown in this report.

Remarks

Hole Depth (m): 16.02

Sheet 3 of 5



CONE PENETRATION TEST

Job: 183970602

CPT No.: CPT206

Name: Lyndhurst Stages 7 to 12 Development
Client: Greenstone Land Developments Ltd
Location: Lyndhurst Road, Frimley, Hastings

Grid: NZTM

North (m): 5607853.00

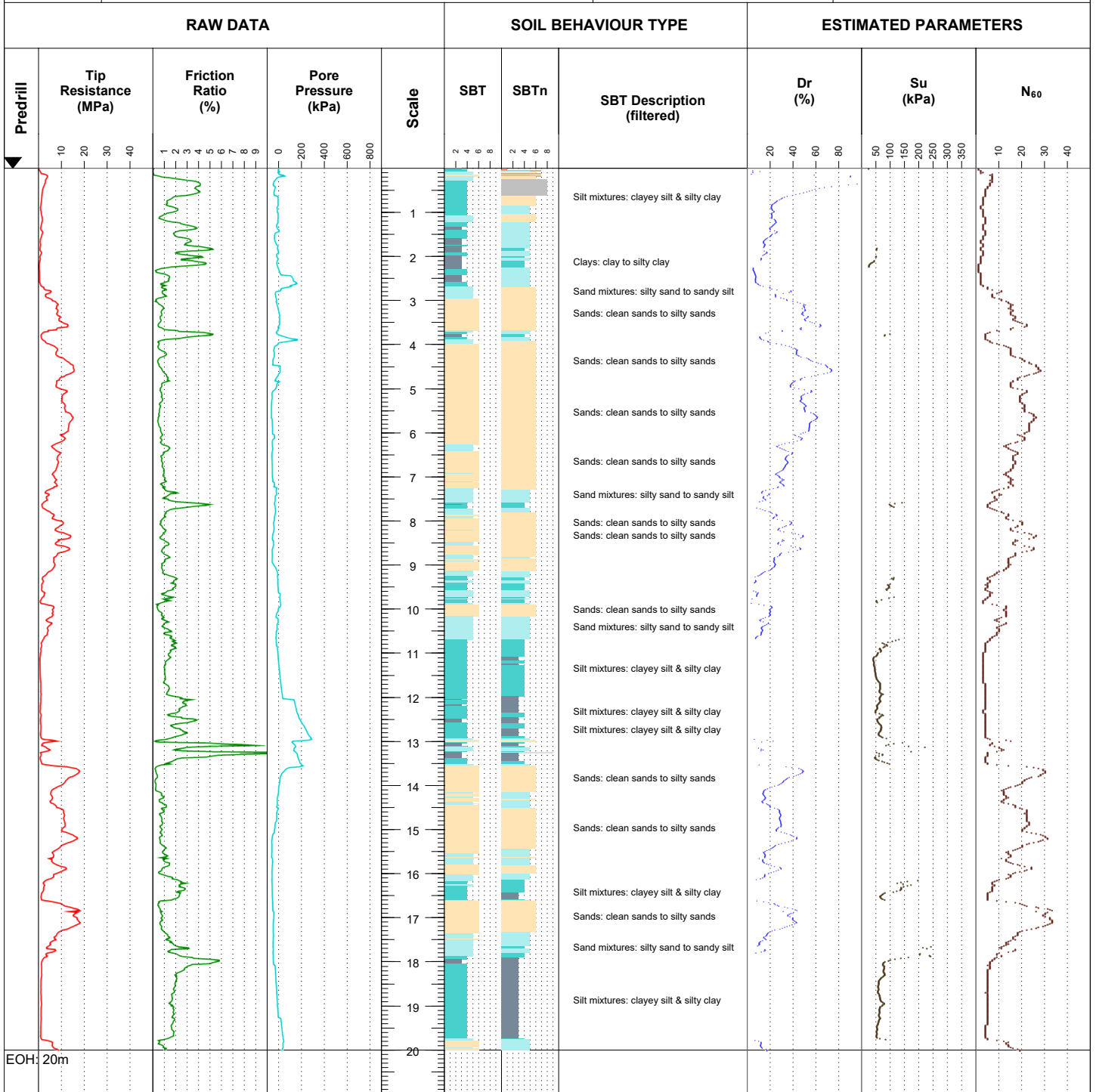
Datum: -

East (m): 1928444.00

Termination: Target depth

Elevation (m): 0.00

Hole Depth (m): 20.00



Soil Behaviour Type (SBT) - Robertson et al. 1986

- | | |
|--|--|
| 0 Undefined | 5 Sand mixtures: silty sand to sandy silt |
| 1 Sensitive fine-grained | 6 Sands: clean sands to silty sands |
| 2 Clay - organic soil | 7 Dense sand to gravelly sand |
| 3 Clays: clay to silty clay | 8 Stiff sand to clayey sand |
| 4 Silt mixtures: clayey silt & silty clay | 9 Stiff fine-grained |

Notes & Limitations

Data shown on this report has been assessed to provide a basic interpretation in terms of Soil Behaviour Type (SBT) and various geotechnical soil and design parameters using methods published in P. K. Robertson and K.L. Cabal (2010), Guide to Cone Penetration Testing for Geotechnical Engineering, 4th Edition. The interpretations are presented only as a guide for geotechnical use, and should be carefully reviewed by the user. Geroc Solutions Ltd do not warrant the correctness or the applicability of any of the geotechnical soil and design parameters shown and does not assume any liability for any use of the results in any design or review. The user should be fully aware of the techniques and limitations of any method used to derive data shown in this report.

Remarks

Hole Depth (m): 20.00

Sheet 4 of 5



CONE PENETRATION TEST

Job: 183970602

CPT No.: CPT208

Name: Lyndhurst Stages 7 to 12 Development
 Client: Greenstone Land Developments Ltd
 Location: Lyndhurst Road, Frimley, Hastings

Grid: NZTM

North (m): 5607895.00

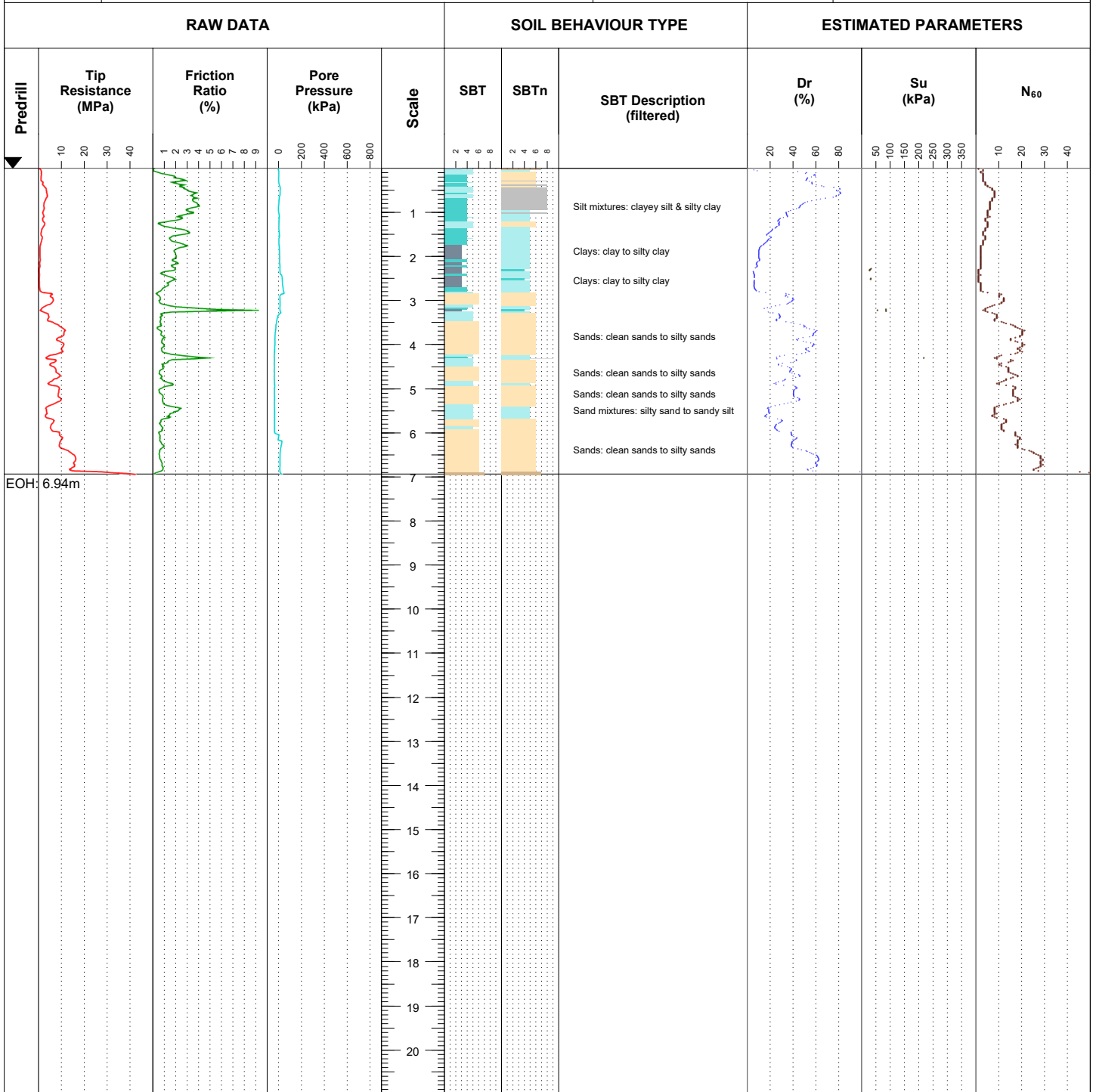
Datum: -

East (m): 1928543.00

Termination: 35MPa Tip Resist

Elevation (m): 0.00

Hole Depth (m): 6.94



Soil Behaviour Type (SBT) - Robertson et al. 1986

- 0 Undefined
- 1 Sensitive fine-grained
- 2 Clay - organic soil
- 3 Clays: clay to silty clay
- 4 Silt mixtures: clayey silt & silty clay
- 5 Sand mixtures: silty sand to sandy silt
- 6 Sands: clean sands to silty sands
- 7 Dense sand to gravelly sand
- 8 Stiff sand to clayey sand
- 9 Stiff fine-grained

Notes & Limitations

Data shown on this report has been assessed to provide a basic interpretation in terms of Soil Behaviour Type (SBT) and various geotechnical soil and design parameters using methods published in P. K. Robertson and K.L. Cabal (2010), Guide to Cone Penetration Testing for Geotechnical Engineering, 4th Edition. The interpretations are presented only as a guide for geotechnical use, and should be carefully reviewed by the user. Geroc Solutions Ltd do not warrant the correctness or the applicability of any of the geotechnical soil and design parameters shown and does not assume any liability for any use of the results in any design or review. The user should be fully aware of the techniques and limitations of any method used to derive data shown in this report.

Remarks

Hole Depth (m): 6.94

Sheet 5 of 5

SOUNDING DETAILS: CPT106**Sounding: 2**

Machine: Geoprobe 54LT	Water Level: -
Operator: TS	Tip Resistance Initial: 7.6628
Cone Reference: 4447	Tip Resistance Final: -0.0136
Cone Area Ratio: 0.85	Local Friction Initial: 123.4
Cone Type: -	Local Friction Final: 0.1
Date: 22-08-2018	Pore Pressure Initial: 239
Predrill: 0.00	Pore Pressure Final: -2.5

SOUNDING DETAILS: CPT107**Sounding: 3**

Machine: Geoprobe 54LT	Water Level: -
Operator: TS	Tip Resistance Initial: 7.6646
Cone Reference: 4447	Tip Resistance Final: -0.0266
Cone Area Ratio: 0.85	Local Friction Initial: 123.5
Cone Type: -	Local Friction Final: 0.2
Date: 22-08-2018	Pore Pressure Initial: 238.4
Predrill: 0.00	Pore Pressure Final: -1.5

SOUNDING DETAILS: CPT108**Sounding: 4**

Machine: Geoprobe 54LT	Water Level: -
Operator: TS	Tip Resistance Initial: 7.654
Cone Reference: 4447	Tip Resistance Final: -0.042
Cone Area Ratio: 0.85	Local Friction Initial: 123.6
Cone Type: -	Local Friction Final: 0.2
Date: 22-08-2018	Pore Pressure Initial: 238.6
Predrill: 0.30	Pore Pressure Final: -0.4

SOUNDING DETAILS: CPT206**Sounding: 1**

Machine: Geoprobe 54LT	Water Level: -
Operator: BR	Tip Resistance Initial: 5.9657
Cone Reference: 4483	Tip Resistance Final: 0.0219
Cone Area Ratio: 0.83	Local Friction Initial: 140
Cone Type: -	Local Friction Final: 0.2
Date: 27-06-2019	Pore Pressure Initial: 269.4
Predrill: 0.00	Pore Pressure Final: 0.2

SOUNDING DETAILS: CPT208**Sounding: 2**

Machine: Geoprobe 54LT	Water Level: -
Operator: BR	Tip Resistance Initial: 5.9545
Cone Reference: 4483	Tip Resistance Final: 0.0235
Cone Area Ratio: 0.83	Local Friction Initial: 136.8
Cone Type: -	Local Friction Final: 1.6
Date: 27-06-2019	Pore Pressure Initial: 269.2
Predrill: 0.00	Pore Pressure Final: -0.1

APPENDIX D – SEPTIC TANK PLAN AND TEST RESULTS

NOTES:
 CUT FILL Measurements are in millimeters
 CUT FILL Depths are from original ground to finished surface
 All Sections are above RL 19.80



Greenstone Land Developments
 STAGE 7 EARTHWORKS
 CUT FILL PLAN
 LYNDHURST ROAD, FRIMLEY

DATE : August 2019
 SCALE : 1:1000 @ A3
 DRAWN BY : R.M
 JOB NO. : 19-FTZ
 PLAN NO. : S7 CF



9 Severn Street, Pandora, Napier
 PO Box 1006 Napier
 Phone 06 835 2360
 Web www.zornsurveying.co.nz
 Email ryan@zornsurveying.co.nz

EARTHWORKS COMPACTION CONTROL TEST RESULTS



Project : Greenstone Development
Location : Lyndhurst Rd - Hastings
Client : A & V. Partnerships
Contractor : Santo Drainage & Contracting
Tested by : J Crichton
Date tested : 27/08/19

Sample description : Sandy silty Gravel

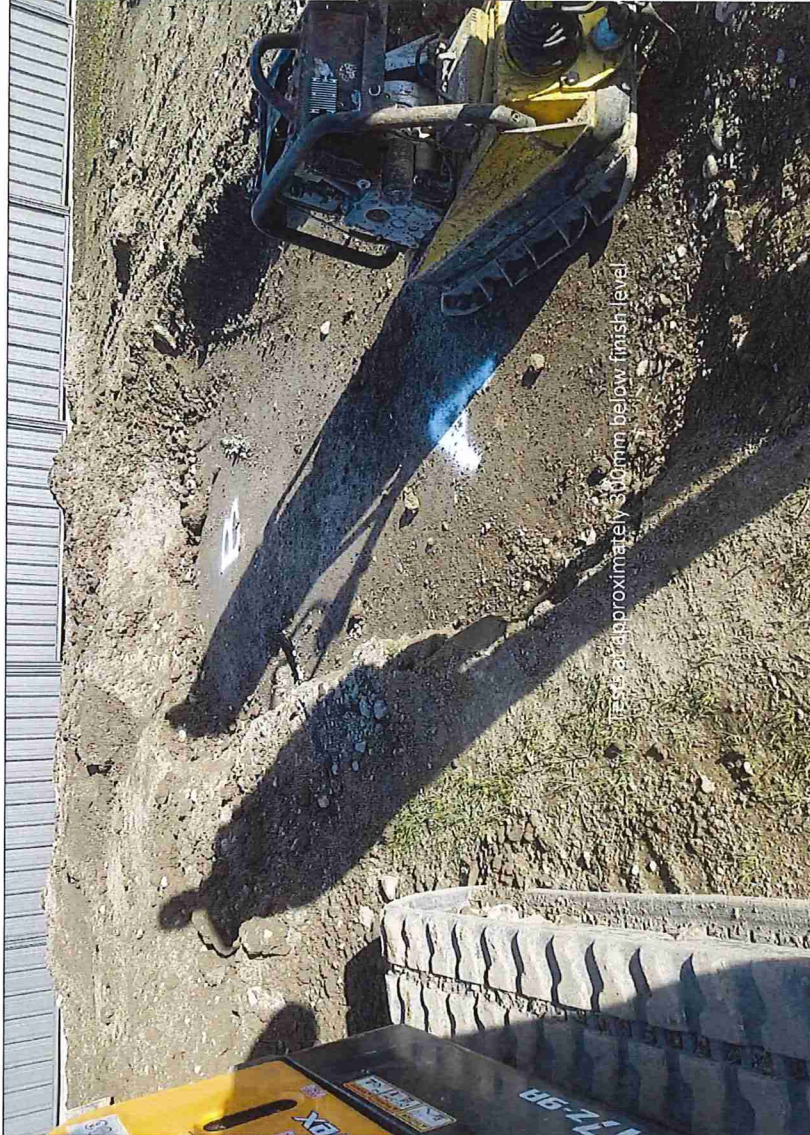
Nuclear densometer no : 27668
Solid Density (assumed) : 2.6 t/m³
Dry density (tested) : 2.03 t/m³
Water content (tested) : 8.9 %

Project No : 2-L0494.18
Lab Ref No : NA2854A
Client Ref No : Septic Tank Backfill

Nuclear Densometer Test Results	
Test Number	A B
Location	Refer to image
Probe Depth (mm)	0 0
Wet Density (t/m ³)	2.29 2.27
Dry Density (t/m ³)	2.16 2.16
Water Content (%)	5.9 5.2
Air Voids (%)	4.1 5.8
% of DD	107 106

Oven Corrected Test Results	
Dry Density (t/m ³)	
Water Content (%)	
Air Voids (%)	
% of DD	

Test Methods	Notes
In situ Density : NZS 4407 : 2015, Test 4.3 for Backscatter Mode	



This report may only be reproduced in full

Approved

Date reported : 29/08/19
Designation : J Crichton
Date : 29/08/19
Assistant Laboratory Manager

PF-LAB-033 (09/10/2018)

WSP Opus
 Napier Laboratory
 Quality Management Systems Certified to ISO 9001

90 Prebensen Drive
 Private Bag 6019, Hawkes Bay Mail Centre,
 Napier 4142, New Zealand

Telephone +64 6 833 5590
 Website www.wsp-opus.co.nz

**ONE POINT - DYNAMIC COMPACTION
TEST REPORT**



Project : **Greenstone Land Development**
Location : **Lyndhurst**
Client : **A & V. Partnership**
Contractor : **Santo Drainage & Contracting Ltd**
Sampled by : **J Crichton**
Date sampled : **27/08/2019**

Project No : 2-L0494.18
Lab Ref No : NA 2854A
Client Ref No :

Test Results

Sample location: On site
Material Type: Sandy silty Gravel
Sample condition: Tested as received
Fraction tested: Material passing 19mm test sieve
Water Content: 8.9%
Compacted Dry Density: 2.03 t/m³

Test Method: Dry Density/Water Content NZS4402:1986 - Test 4.1.1
Water Content NZS4402:1986 - Test 2.1

Date tested : 27/08/19
Date reported : 29/08/19

This report may only be reproduced in full

Approved

J Crichton

Designation : *Assistant Laboratory Manager*

Date : 29/08/19

APPENDIX E - LIQUEFACTION ASSESSMENT OUTPUTS



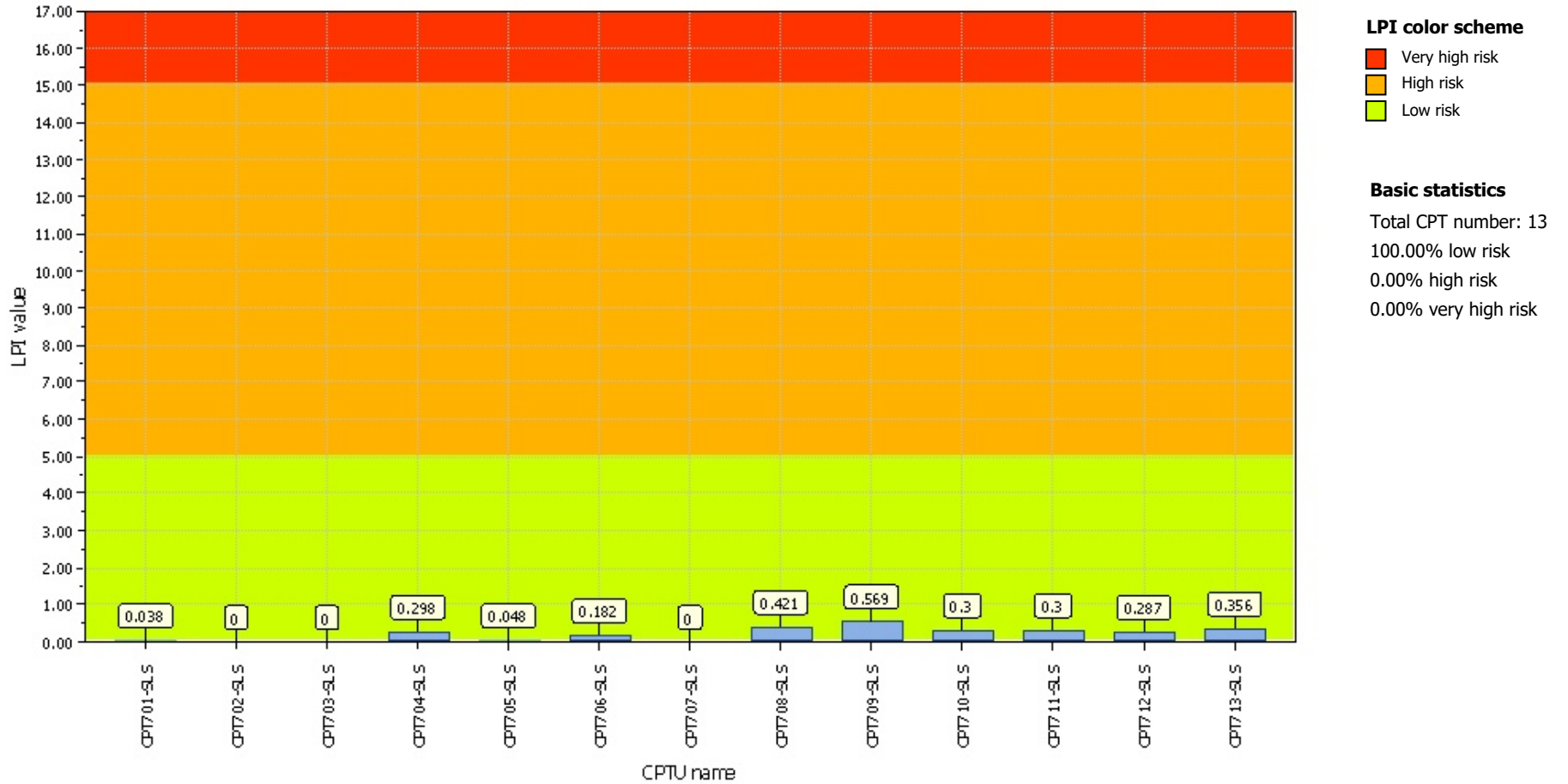
RDCL

RDCL
Geotechnical Specialists
8/308 Queen St, Hastings
<http://www.rdcl.co.nz>

Project title : Lyndhurst Subdivision Stage 7-12

Location :

Overall Liquefaction Potential Index report





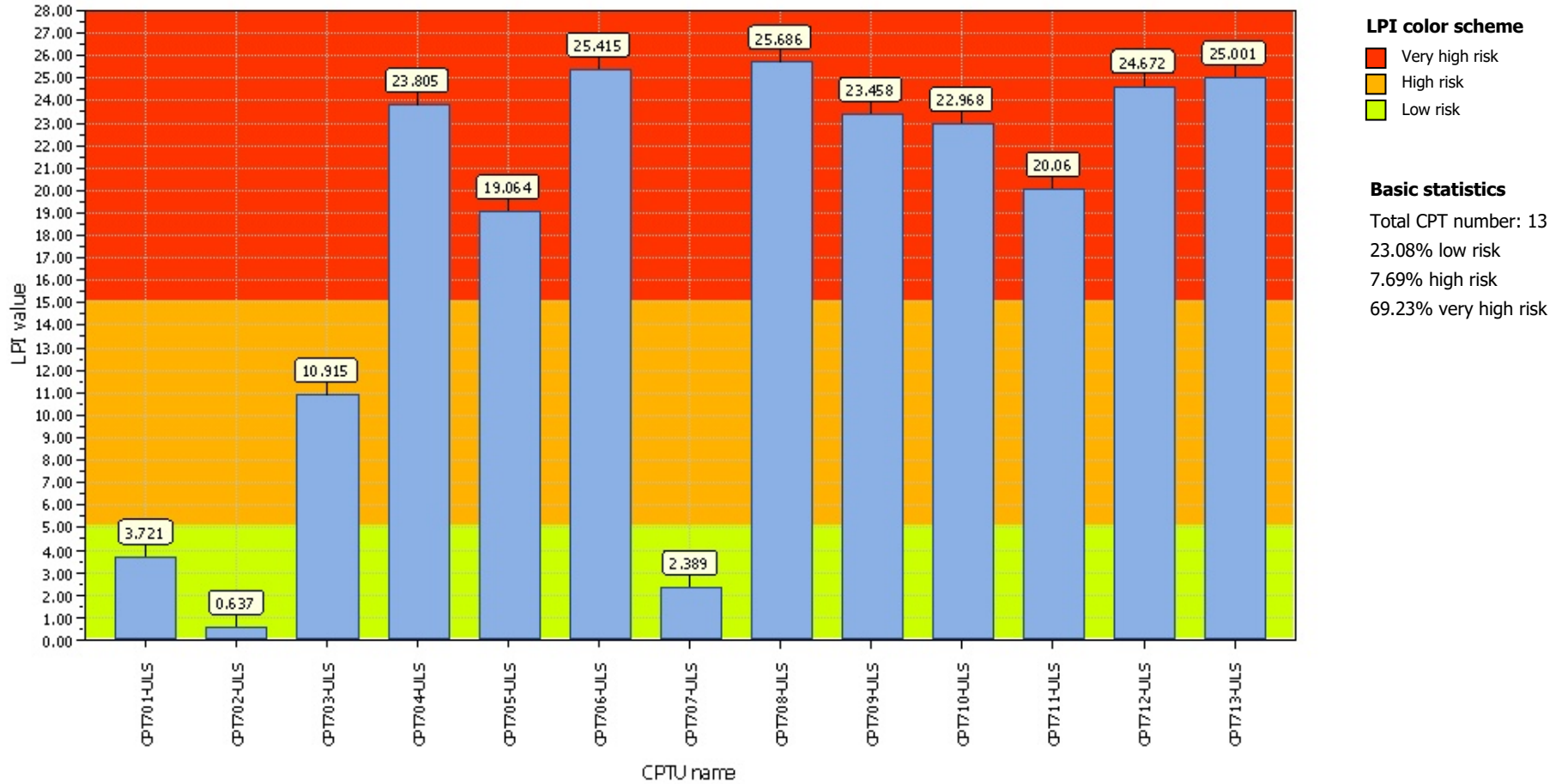
RDCL

RDCL
Geotechnical Specialists
8/308 Queen St, Hastings
<http://www.rdcl.co.nz>

Project title : Lyndhurst Subdivision Stage 7-12

Location :

Overall Liquefaction Potential Index report





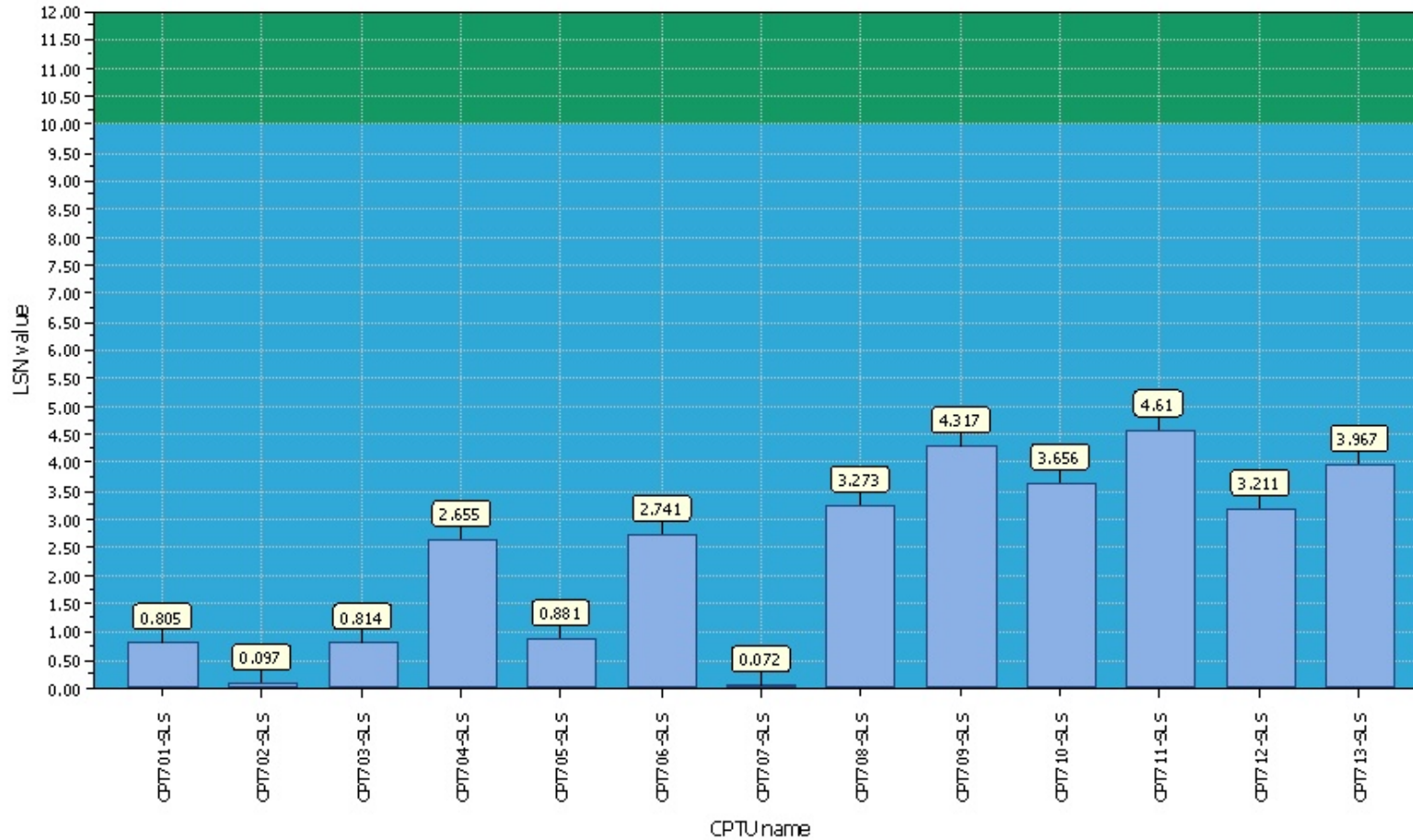
RDCL

RDCL
Geotechnical Specialists
8/308 Queen St, Hastings
<http://www.rdcl.co.nz>

Project title : Lyndhurst Subdivision Stage 7-12

Location :

Overall Liquefaction Severity Number report



LSN color scheme

- Severe damage
- Major expression of liquefaction
- Moderate to severe exp. of liquefaction
- Moderate expression of liquefaction
- Minor expression of liquefaction
- Little to no expression of liquefaction

Basic statistics

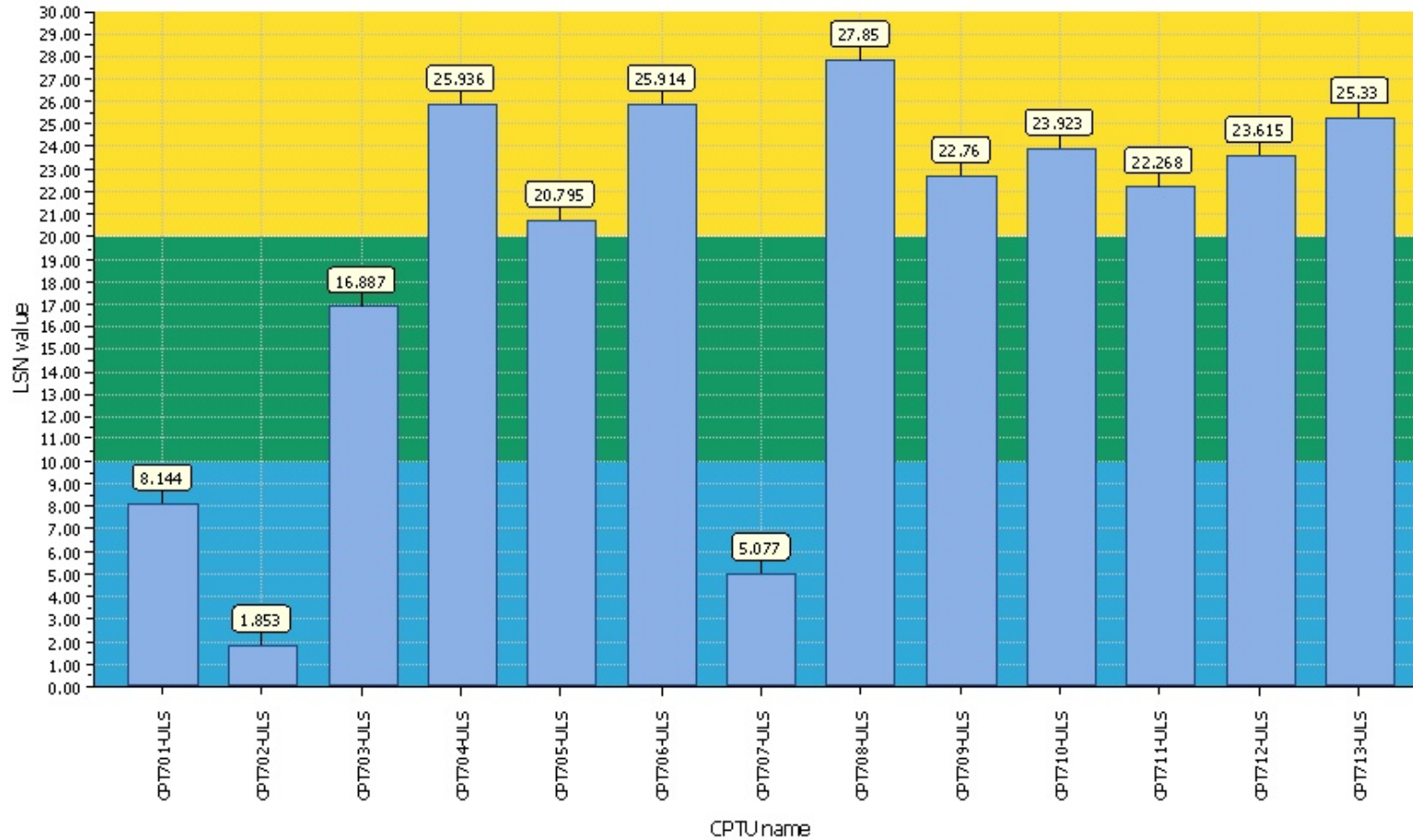
- Total CPT number: 13
- 100.00% little liquefaction
- 0.00% minor liquefaction
- 0.00% moderate liquefaction
- 0.00% moderate to major liquefaction
- 0.00% major liquefaction
- 0.00% severe liquefaction



Project title : Lyndhurst Subdivision Stage 7-12

Location :

Overall Liquefaction Severity Number report



LSN color scheme

- Severe damage
- Major expression of liquefaction
- Moderate to severe exp. of liquefaction
- Moderate expression of liquefaction
- Minor expression of liquefaction
- Little to no expression of liquefaction

Basic statistics

Total CPT number: 13
 23.08% little liquefaction
 7.69% minor liquefaction
 69.23% moderate liquefaction
 0.00% moderate to major liquefaction
 0.00% major liquefaction
 0.00% severe liquefaction



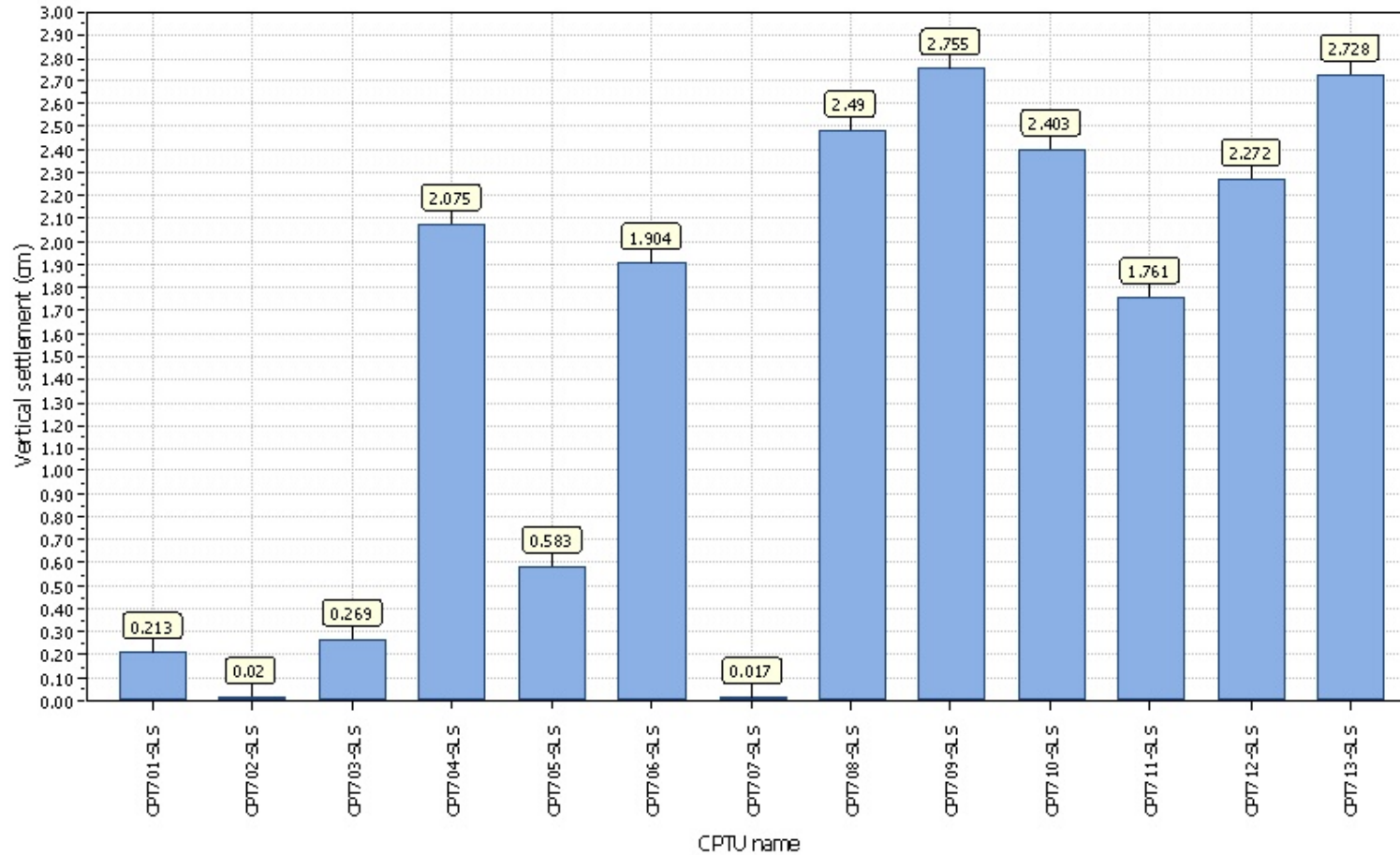
RDCL

RDCL
Geotechnical Specialists
8/308 Queen St, Hastings
<http://www.rdcl.co.nz>

Project title : Lyndhurst Subdivision Stage 7-12

Location :

Overall vertical settlements report

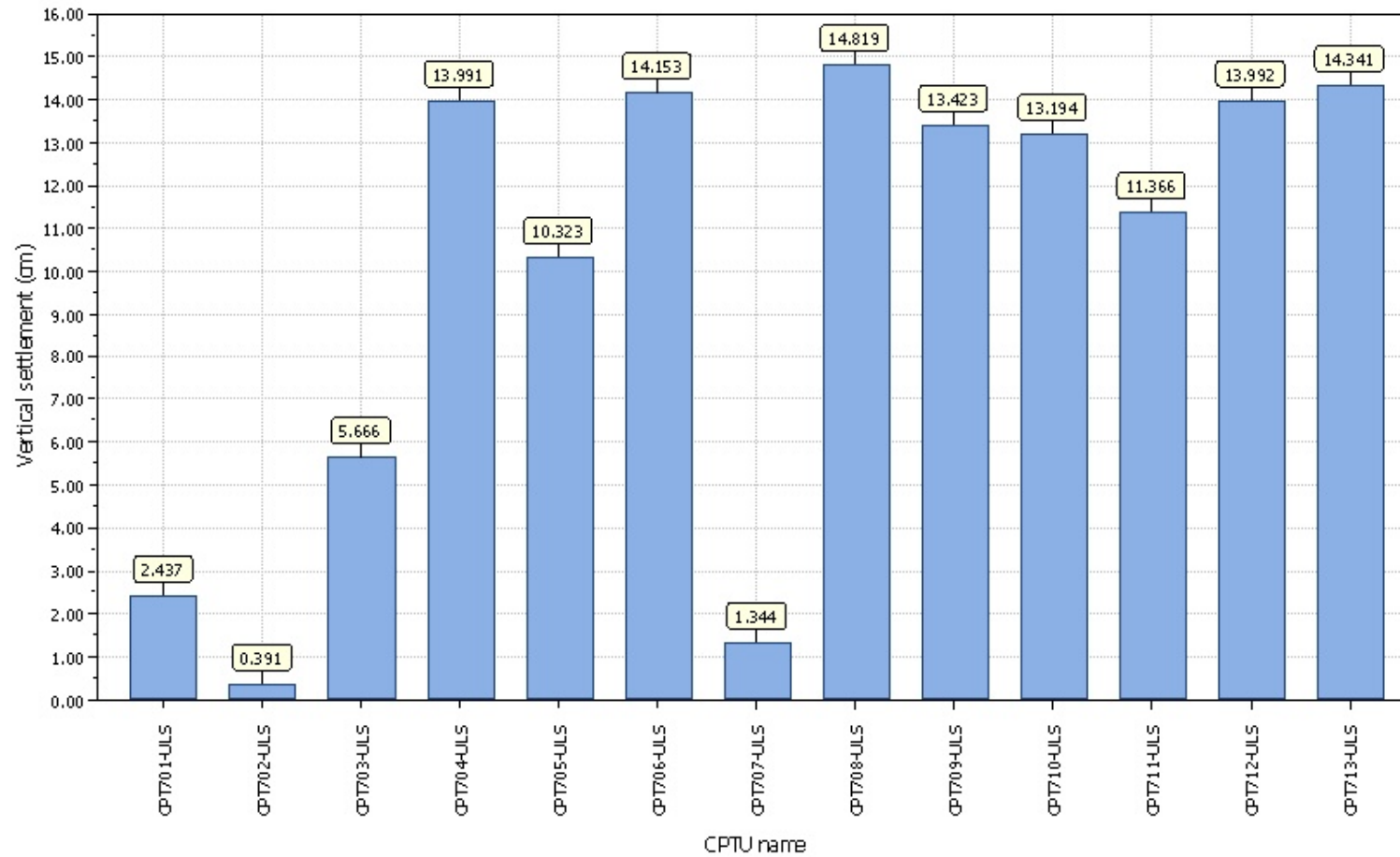




Project title : Lyndhurst Subdivision Stage 7-12

Location :

Overall vertical settlements report



APPENDIX F - STAGE 7 & 8 BEARING CAPACITY

STAGE 7 INFERRED ULTIMATE BEARING CAPACITY (UBC) AND ACHIEVED DEPTH

Lot Number	Available Ultimate Bearing Capacity	Depth achieved (m)	Lot Number	Available Ultimate Bearing Capacity	Depth achieved (m)
Lot 64	NA	NA	Lot 80	200	0.4
Lot 65	200	0.3	Lot 81	200	0.2
Lot 66	300	0.3	Lot 82	200	0.2
Lot 67	300	0.3	Lot 83	200	0.2
Lot 68	300	0.3	Lot 84	300	0.2
Lot 69	NA	NA	Lot 85	300	0.2
Lot 70	200	ts	Lot 86	200	0.4
Lot 71	300	ts	Lot 87	300	0.4
Lot 72	300	0.3	Lot 88	300	0.5
Lot 73	300	0.3	Lot 89	300	0.2
Lot 74	300	0.3	Lot 90	300	0.5
Lot 75	300	0.3	Lot 91	300	0.2
Lot 76	200	0.2			
Lot 77	200	0.3			
Lot 78	200	0.4			
Lot 79	300	0.2			
Lot 80	200	0.4			

STAGE 8 INFERRED ULTIMATE BEARING CAPACITY (UBC) AND ACHIEVED DEPTH

Lot Number	Available Ultimate Bearing Capacity	Depth achieved (m)	Lot Number	Available Ultimate Bearing Capacity	Depth achieved (m)
Lot 104	300	0.2	Lot 111	300	0.6
Lot 105	300	0.2	Lot 112	300	0.3
Lot 106	200	0.5	Lot 113	300	0.3
Lot 107	200	0.6	Lot 114	300	0.4
Lot 108	300	0.6	Lot 115	300	0.2
Lot 109	300	0.5	Lot 116	300	0.3
Lot 110	300	0.7	Lot 117	300	0.3

APPENDIX G- FORM 6 (224c)

**APPENDIX 62
FORM 6**

To: Hastings District Council
Private Bag 9002
HASTINGS 4156

**STATEMENT OF PROFESSIONAL OPINION AS TO SUITABILITY OF LAND FOR
BUILDING DEVELOPMENT**

Subdivision: ..Stage 7 & 8 Lyndhurst Subdivision

Owner/Developer: Greenstone Land Developments Ltd

Location: Lyndhurst Road, Frimley, Hastings

I Cameron Andrew Wylie
(full name)

of Resource Development Consultants Ltd
(address)

hereby confirm that:

1. I am a suitably qualified professional experienced in the field of Geotechnical Engineering and was retained by the owner/developer in this regard on the above subdivision. My qualifications are BSc, MSc, CPEng, CMEng NZ.
2. The extent of my inspections during construction, and the results of all tests carried out are described in my report Reference 183970602B-01, dated 20 August 2019
3. In my professional opinion, not to be construed as a guarantee, I consider that:
 - * a. The earth fills shown on the attached Plan Figure 1 & 2 of the report have been placed in compliance with the Code of Practice of the Hastings District Council.
 - b. The completed works give due regard to the land slope and foundation stability considerations.
 - c. The filled ground is suitable for the erection thereon of residential buildings not requiring specific design in terms of MBIE (2015) Technical Guidance, Part C, V3a and related documents providing that:
 - i. The recommendations made in the RDCL geotechnical report, Reference 183970602B-01, dated 20 August 2019 are adhered to.
 - * d. The original ground not affected by filling is suitable for the erection thereon of residential buildings not requiring specific design in terms of MBIE (2015) Technical Guidance, Part C, V3a and related documents providing that:
 - i. The recommendations made in the RDCL geotechnical report, Reference 183970602B-01, dated 20 August 2019 are adhered to.
4. This professional opinion is furnished to the Council and the owner/developer for their purposes alone, on the express conditions that it will not be relied upon by any other person and does not remove the necessity for the normal inspection of foundation conditions at the time of erection of any dwelling.

Signed  Date 20/8/19

* Delete items not applicable

A similar form for those giving their professional opinion relating to the new NES on contaminated soils

Important Information about This

Geotechnical-Engineering Report

Subsurface problems are a principal cause of construction delays, cost overruns, claims, and disputes.

While you cannot eliminate all such risks, you can manage them. The following information is provided to help.

The Geoprofessional Business Association (GBA) has prepared this advisory to help you – assumedly a client representative – interpret and apply this geotechnical-engineering report as effectively as possible. In that way, clients can benefit from a lowered exposure to the subsurface problems that, for decades, have been a principal cause of construction delays, cost overruns, claims, and disputes. If you have questions or want more information about any of the issues discussed below, contact your GBA-member geotechnical engineer. Active involvement in the Geoprofessional Business Association exposes geotechnical engineers to a wide array of risk-confrontation techniques that can be of genuine benefit for everyone involved with a construction project.

Geotechnical-Engineering Services Are Performed for Specific Purposes, Persons, and Projects

Geotechnical engineers structure their services to meet the specific needs of their clients. A geotechnical-engineering study conducted for a given civil engineer will not likely meet the needs of a civil-works constructor or even a different civil engineer. Because each geotechnical-engineering study is unique, each geotechnical-engineering report is unique, prepared *solely* for the client. *Those who rely on a geotechnical-engineering report prepared for a different client can be seriously misled.* No one except authorized client representatives should rely on this geotechnical-engineering report without first conferring with the geotechnical engineer who prepared it. *And no one – not even you – should apply this report for any purpose or project except the one originally contemplated.*

Read this Report in Full

Costly problems have occurred because those relying on a geotechnical-engineering report did not read it *in its entirety*. Do not rely on an executive summary. Do not read selected elements only. *Read this report in full.*

You Need to Inform Your Geotechnical Engineer about Change

Your geotechnical engineer considered unique, project-specific factors when designing the study behind this report and developing the confirmation-dependent recommendations the report conveys. A few typical factors include:

- the client's goals, objectives, budget, schedule, and risk-management preferences;
- the general nature of the structure involved, its size, configuration, and performance criteria;
- the structure's location and orientation on the site; and
- other planned or existing site improvements, such as retaining walls, access roads, parking lots, and underground utilities.

Typical changes that could erode the reliability of this report include those that affect:

- the site's size or shape;
- the function of the proposed structure, as when it's changed from a parking garage to an office building, or from a light-industrial plant to a refrigerated warehouse;
- the elevation, configuration, location, orientation, or weight of the proposed structure;
- the composition of the design team; or
- project ownership.

As a general rule, *always* inform your geotechnical engineer of project changes – even minor ones – and request an assessment of their impact. *The geotechnical engineer who prepared this report cannot accept responsibility or liability for problems that arise because the geotechnical engineer was not informed about developments the engineer otherwise would have considered.*

This Report May Not Be Reliable

Do not rely on this report if your geotechnical engineer prepared it:

- for a different client;
- for a different project;
- for a different site (that may or may not include all or a portion of the original site); or
- before important events occurred at the site or adjacent to it; e.g., man-made events like construction or environmental remediation, or natural events like floods, droughts, earthquakes, or groundwater fluctuations.

Note, too, that it could be unwise to rely on a geotechnical-engineering report whose reliability may have been affected by the passage of time, because of factors like changed subsurface conditions; new or modified codes, standards, or regulations; or new techniques or tools. *If your geotechnical engineer has not indicated an "apply-by" date on the report, ask what it should be, and, in general, if you are the least bit uncertain about the continued reliability of this report, contact your geotechnical engineer before applying it.* A minor amount of additional testing or analysis – if any is required at all – could prevent major problems.

Most of the "Findings" Related in This Report Are Professional Opinions

Before construction begins, geotechnical engineers explore a site's subsurface through various sampling and testing procedures. *Geotechnical engineers can observe actual subsurface conditions only at those specific locations where sampling and testing were performed.* The data derived from that sampling and testing were reviewed by your geotechnical engineer, who then applied professional judgment to form opinions about subsurface conditions throughout the site. Actual sitewide-subsurface conditions may differ – maybe significantly – from those indicated in this report. Confront that risk by retaining your geotechnical engineer to serve on the design team from project start to project finish, so the individual can provide informed guidance quickly, whenever needed.

This Report's Recommendations Are Confirmation-Dependent

The recommendations included in this report – including any options or alternatives – are confirmation-dependent. In other words, *they are not final*, because the geotechnical engineer who developed them relied heavily on judgment and opinion to do so. Your geotechnical engineer can finalize the recommendations *only after observing actual subsurface conditions* revealed during construction. If through observation your geotechnical engineer confirms that the conditions assumed to exist actually do exist, the recommendations can be relied upon, assuming no other changes have occurred. *The geotechnical engineer who prepared this report cannot assume responsibility or liability for confirmation-dependent recommendations if you fail to retain that engineer to perform construction observation.*

This Report Could Be Misinterpreted

Other design professionals' misinterpretation of geotechnical-engineering reports has resulted in costly problems. Confront that risk by having your geotechnical engineer serve as a full-time member of the design team, to:

- confer with other design-team members,
- help develop specifications,
- review pertinent elements of other design professionals' plans and specifications, and
- be on hand quickly whenever geotechnical-engineering guidance is needed.

You should also confront the risk of constructors misinterpreting this report. Do so by retaining your geotechnical engineer to participate in prebid and preconstruction conferences and to perform construction observation.

Give Constructors a Complete Report and Guidance

Some owners and design professionals mistakenly believe they can shift unanticipated-subsurface-conditions liability to constructors by limiting the information they provide for bid preparation. To help prevent the costly, contentious problems this practice has caused, include the complete geotechnical-engineering report, along with any attachments or appendices, with your contract documents, *but be certain to note conspicuously that you've included the material for informational purposes only*. To avoid misunderstanding, you may also want to note that "informational purposes" means constructors have no right to rely on the interpretations, opinions, conclusions, or recommendations in the report, but they may rely on the factual data relative to the specific times, locations, and depths/elevations referenced. Be certain that constructors know they may learn about specific project requirements, including options selected from the report, *only* from the design drawings and specifications. Remind constructors that they may

perform their own studies if they want to, and *be sure to allow enough time* to permit them to do so. Only then might you be in a position to give constructors the information available to you, while requiring them to at least share some of the financial responsibilities stemming from unanticipated conditions. Conducting prebid and preconstruction conferences can also be valuable in this respect.

Read Responsibility Provisions Closely

Some client representatives, design professionals, and constructors do not realize that geotechnical engineering is far less exact than other engineering disciplines. That lack of understanding has nurtured unrealistic expectations that have resulted in disappointments, delays, cost overruns, claims, and disputes. To confront that risk, geotechnical engineers commonly include explanatory provisions in their reports. Sometimes labeled "limitations," many of these provisions indicate where geotechnical engineers' responsibilities begin and end, to help others recognize their own responsibilities and risks. *Read these provisions closely*. Ask questions. Your geotechnical engineer should respond fully and frankly.

Geoenvironmental Concerns Are Not Covered

The personnel, equipment, and techniques used to perform an environmental study – e.g., a "phase-one" or "phase-two" environmental site assessment – differ significantly from those used to perform a geotechnical-engineering study. For that reason, a geotechnical-engineering report does not usually relate any environmental findings, conclusions, or recommendations; e.g., about the likelihood of encountering underground storage tanks or regulated contaminants. *Unanticipated subsurface environmental problems have led to project failures*. If you have not yet obtained your own environmental information, ask your geotechnical consultant for risk-management guidance. As a general rule, *do not rely on an environmental report prepared for a different client, site, or project, or that is more than six months old*.

Obtain Professional Assistance to Deal with Moisture Infiltration and Mold

While your geotechnical engineer may have addressed groundwater, water infiltration, or similar issues in this report, none of the engineer's services were designed, conducted, or intended to prevent uncontrolled migration of moisture – including water vapor – from the soil through building slabs and walls and into the building interior, where it can cause mold growth and material-performance deficiencies. Accordingly, *proper implementation of the geotechnical engineer's recommendations will not of itself be sufficient to prevent moisture infiltration*. Confront the risk of moisture infiltration by including building-envelope or mold specialists on the design team. *Geotechnical engineers are not building-envelope or mold specialists*.



Telephone: 301/565-2733

e-mail: info@geoprofessional.org www.geoprofessional.org