

RECEIVED: 29/11/2024



APPENDIX 6-2


BOREHOLE LOGS

Petersen Drilling Services Ltd.

on behalf of

Roadstone

Rotary Drilling Log



Depth of Stratum Top (m)	Driller's Stratum Description	Sample / Hole / Test Details						Drilling Details				Standard Penetration Test												
		No	Type	Insitu test	From (m)	To (m)	Liner Dia (mm)	Core run time (hhmm)	Total core Recovery (m)	Flush Return %	Flush Colour	Self Weight Pen (mm)	75 mm	150 mm	Scouting Pen (mm)	75 mm	150 mm	225 mm	300 mm	Main Pen (mm)	N value	Casing Depth (m)	Water/ flush level (m)	
0.00	Fill MADE GROUND		RO		0.00	15.00		0000		100	brown											0.00	0.00	
0.10	Loose fine brown silty gravelly SAND																							
4.30	Medium dense medium coarse brown silty SAND AND GRAVEL becoming clayey																							
10.50	Weak weathered brown fine grained SANDSTONE																							
13.20	Strong light brown SANDSTONE with occasional fractures																							

Shift details

Drilling Equipment Details

Ground Water Record

Backfill (m)

Start time (hhmm)	Hole (m)	Water (m)	Casing (m)	Casing (C) Open Hole (RO) Coring (RC)	Dia. (mm)	From (m)	To (m)	Barrel	Liner Type	Core Dia (mm)	Bit Type	Casing Type	Bit serial No	Flush	Polymer	Time of strike	Depth Struck (m)	Casing (m)	Inflow	5 min	10 min	15 min	20 min	Depth Sealed (m)	Type	From (m)	To (m)
1515				C	140.00	0.00	11.00					Sim. Casing				1600	4.00	4.00	Very Slow	0.00	0.00	0.00	0.00	8.50			
				RO	154.00	0.00	11.00				DTH Button Bit		115	Air	No												
Finish time (hhmm)	Hole (m)	Water (m)	Casing (m)	RO	120.00	11.00	15.00				DTH Button Bit			Air	No	1700	11.00	11.00	Medium	0.00	0.00	0.00	0.00	N/S			
2205																											

Time from

Duration (hhmm)

Remarks or details of any additional testing information, Dayworks

SPT I.D. Number

PD1

Calibration Date

01/02/2021

SPT Rod Type

2 3/8 Regular

SPT Energy Ratio

0.00

Drilling Crew Details

CSCS No

Support Operative

John Whyte

Lead Driller

Stephan Petersen

Site category

Green

Project Engineer

D Broderick

Lead Driller's signature

Project Title

Ballyquinn Pit

Weather

Variable

Date

25/10/2022

Rig type

Knebel HY79

Inclination

Orientation

Sheet

1 of 1

Project No

42-22

Day

Tuesday

Borehole Number

GW 1

Completed

Y




Produced by KeyLogbook

Petersen Drilling Services Ltd.

on behalf of

Roadstone

Rotary Drilling Log



Depth of Stratum Top (m)	Driller's Stratum Description	Sample / Hole / Test Details						Drilling Details				Standard Penetration Test													
		No	Type	Insitu test	From (m)	To (m)	Liner Dia (mm)	Core run time (hhmm)	Total core Recovery (m)	Flush Return %	Flush Colour	Self Weight Pen (mm)	75 mm	150 mm	Scouting Pen (mm)	75 mm	150 mm	225 mm	300 mm	Main Pen (mm)	N value	Casing Depth (m)	Water/ flush level (m)		
0.00	Firm brown sandy TOPSOIL		RO		0.00	20.00		0000		100	brown											0.00	0.00		
0.15	Medium dense medium coarse brown sub-rounded silty SAND AND GRAVEL																								
4.20	Firm brown very sandy gravelly CLAY likey highly weathered sandstone																								
7.10	Weak brown weathered SANDSTONE																								
11.40	Medium strong to Strong light brown SANDSTONE																								

Shift details

Drilling Equipment Details

Ground Water Record

Backfill (m)

Start time (hhmm)	Hole (m)	Water (m)	Casing (m)	Casing (C) Open Hole (RO) Coring (RC)	Dia. (mm)	From (m)	To (m)	Barrel	Liner Type	Core Dia (mm)	Bit Type	Casing Type	Bit serial No	Flush	Polymer	Time of strike	Depth Struck (m)	Casing (m)	Inflow	5 min	10 min	15 min	20 min	Depth Sealed (m)	Type	From (m)	To (m)
1145				C	140.00	0.00	8.50					Sim. Casing				1000	2.00	2.00	Slow	0.00	0.00	0.00	0.00	5.00			
				RO	154.00	0.00	8.50				DTH Button Bit		115	Air	No												
Finish time (hhmm)	Hole (m)	Water (m)	Casing (m)	RO	120.00	8.50	20.00				TCB			Air	No	2000	15.00	8.50	Medium	0.00	0.00	0.00	0.00	N/S			
1705																											

Time from

Duration (hhmm)

Remarks or details of any additional testing information, Dayworks

SPT I.D. Number

PD1

Calibration Date

01/02/2021

SPT Rod Type

2 3/8 Regular

SPT Energy Ratio

0.00

Drilling Crew Details

CSCS No

Support Operative

John Whyte

Lead Driller

Stephan Petersen

Site category

Green

Project Engineer

D Broderick

Lead Driller's signature

Project Title

Ballyquinn Pit

Weather

Variable

Date

27/10/2022

Rig type

Knebel HY79

Inclination

Orientation

Sheet

1 of 1

Project No

42-22

Day

Thursday

Borehole Number

GW 4

Completed

Y

