Appendix 04

Records of Soil Bore Logs
(GD Drilling Ltd, December 2023)

Borehole No. **Borehole Log BH01** Sheet 1 of 1 Project No. **Hole Type** Rotterdam Wharf, Scottish Project Name: Co-ords: E: 258729.4 N: 666760.9 Opera GD 0663 CP Scale Location: Level: 35.83 Glasgow 1:51 Rig Type Dates: Client: Mason Evans Partnership 08/12/2023 Dando 150 Sample and In Situ Testing Water Depth Level Well Legend Stratum Description Strikes (m) (m) Depth (m) Results Type MADE GROUND: Tarmacadam. 0.20 35.63 MADE GROUND: Greyish brown slightly clayey sandy ES 0.30 angular fine to coarse gravel of predominantly crushed 0.50 В aggregate. Sand is fine to coarse 0.50 ES 0.70 35.13 MADE GROUND: Dense brown slightly silty very gravelly fine to coarse sand with occasional pockets of 1.00 В clay. Gravel is angular and subangular fine to coarse 1.00 1.20 ES of various lithologies including frequent burnt shale and brick fragments. Traces of ash noted. Driller records occasional brick sized cobbles. SPT N=44 (5,10/11,10,12,11) Driller records chiselling from 2.00m to 3.00m. 3.00 32.83 3 No further progress, presumed boulder obstruction. End of Borehole at 3.00m 5 8 9 10 Remarks: Logged By: Checked By: Inspection pit dug to a depth of 1.20m. Borehole progressed with cable percussion techniques to a depth of 3.00m and terminated on possible boulder obstruction or bedrock. Water strike at 2.00 and remaining **Drilling Ltd** JB at this level after 20mins. Borehole scheduled for rotary follow on. **DRAFT**

Drilling) Ltd				В	oreh	ole Log	Borehole No. BH01A Sheet 1 of 1		
				Project No. GD 0663		Co-ords:	E: 258729.4 N: 666760.0	Hole Type CP		
ocation:	cation: Glasgow					Level:	35.78	Scale 1:51		
lient:	Mason	Evans l	Partnership			Dates:	08/12/2023 - 09/12/2023	Rig Type Dando 150		
Vell Water Strikes			n Situ Testing	Depth (m)	Level (m)	Legend	d Stratum Description			
Strike	1.20 1.20 - 1.65 1.20 2.00 2.00 - 2.45 2.00 3.00 - 3.45 4.00 4.50 - 4.95 5.00 - 5.45	ES D SPT U100 ES D SPT U100 ES SPT D SPT D SPT	N=45 (6,10/10,12,12,11) N=27 (8,5/7,7,7,6) Ublow=60 N=32 (7,8/7,9,8,8) Ublow=68	0.20 0.50	35.58 35.28 33.78		MADE GROUND: Tarmacadam. MADE GROUND: Greyish brown slight angular fine to coarse gravel of predor aggregate. Sand is fine to coarse. MADE GROUND: Dense brown slightl gravelly fine to coarse sand with occas clay. Gravel is angular and subangular of various lithologies including frequen and brick fragments. Traces of ash not records occasional brick sized cobbles. Stiff becoming very stiff dark grey sligh sandy gravelly CLAY. Gravel is subang subrounded fine to coarse of predomir and mudstone. Weak dark grey MUDSTONE, recoverclay. End of Borehole at 7.60m	tly clayey sandy ninantly crushed y silty very cional pockets of fine to coarse t burnt shale ed. Driller tly silty slightly ular and cantly sandstone	1 1 2 3 3 4 4 5 5 6 8 8 9	
7.60m and		possible	m. Borehole progre e boulder obstruction							

Borehole No. **Borehole Log BH02** Sheet 1 of 1 Project No. **Hole Type** Rotterdam Wharf, Scottish Project Name: Co-ords: E: 258766.3 N: 666752.5 GD 0663 CP Scale Glasgow Level: Location: 40 29 1:86 **Rig Type** Client: Mason Evans Partnership Dates: 04/12/2023 Dando 2000 Sample and In Situ Testing Water Depth Level Well Legend Stratum Description Strikes (m) (m) Results Depth (m) Type MADE GROUND: Concrete. 0.20 ES 0.25 40.04 MADE GROUND: Dark brown sandy fine to coarse 0.50 gravel of various lithologies including brick fragments, 0.70 39.59 0.50 FS burnt shale and concrete. Frequent cobble sized brick 1.00 В and concrete (presumed demolition rubble). Sand is ES 1.00 fine to coarse 1.20 - 1.65 D MADE GROUND: Loose locally medium dense brown 1.20 SPT N=8 (2,3/1,1,2,4) slightly silty very gravelly fine to coarse sand with 1.80 В 2 occasional pockets of clay. Gravel is angular and 2.00 ES subangular fine to coarse of various lithologies including frequent burnt shale. Traces of ash noted. 2.00 - 2.45 D 2.00 SPT N=10 (4,8/4,2,3,1) Driller records occasional cobbles of sandstone. 2.80 В 3 3.00 ES 3.00 - 3.45D 3.00 SPT N=9 (2,1/2,3,2,2) 3.60 36.69 Firm brown slightly silty slightly sandy gravelly CLAY. 3.80 В Gravel is subangular and subrounded fine to coarse of 4.00 ES × various lithologies. 4.00 - 4.45 $\overline{\times}$ 4.00 SPT N=10 (2,3/2,3,2,3) 4.80 В 4.80 35.49 Firm becoming stiff dark grey slightly silty slightly =5 00 - 5 45 U100 Ublow=45 sandy gravelly CLAY. Gravel is subangular and subrounded fine to coarse of predominantly sandstone and mudstone. Driller records occasional cobbles of $\overline{\times}$ sandstone. 6 × 6.30 В <u>×</u> 6.50 - 6.95 D N=17 (3,4/4,4,5,4) 6.50 SPT $\frac{\overline{\times}}{}$ <u>×</u> 7.80 8.00 - 8.65 U100 Ublow=60 <u>×</u> 9.00 - 9.45 9 SPT 9.00 N=25 (3.4/5.6.7.7) $\frac{\cdot}{\times}$ В 9.30 10 10.20 SPT 50 (25 for 0mm/50 for 10.20 30.09 End of Borehole at 10.20m 0mm) 11 12 13 14 17 Remarks: Logged By: Checked By: Inspection pit dug to a depth of 1.20m. Borehole progressed with cable percussion techniques to a depth

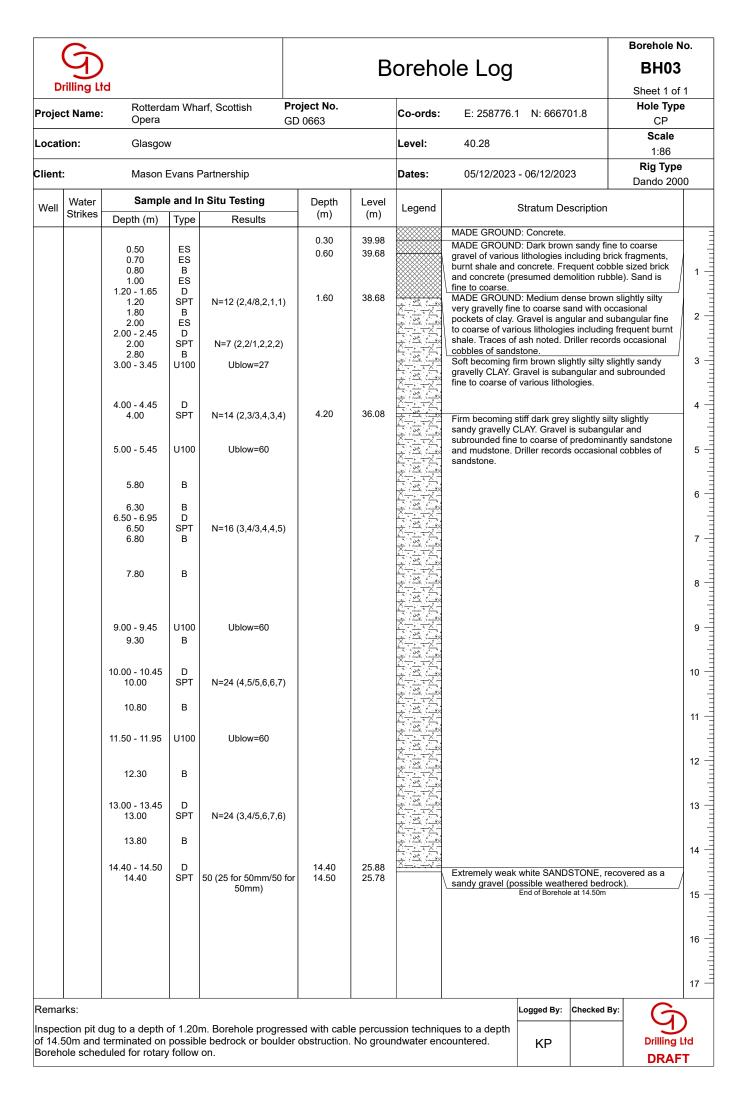
Drilling Ltd

DRAFT

KΡ

of 10.20m and terminated on possible boulder obstruction or bedrock. Water strike at 3.20 and remaining

at this level after 20mins. Borehole scheduled for rotary follow on.



Borehole No. **Borehole Log BH04** Sheet 1 of 1 Project No. **Hole Type** Rotterdam Wharf, Scottish Co-ords: E: 258777.6 N: 666662.8 Project Name: Opera GD 0663 CP Scale Glasgow 40.27 Location: Level: 1:86 **Rig Type** Client: Mason Evans Partnership Dates: 06/12/2023 - 07/12/2023 Dando 2000 Sample and In Situ Testing Water Depth Level Well Legend Stratum Description Strikes (m) (m) Depth (m) Results Type 0.20 40.07 MADE GROUND: Concrete. MADE GROUND: Dark brown sandy fine to coarse 0.50 0.70 gravel of various lithologies including brick fragments, ES burnt shale and concrete. Frequent cobble sized brick 0.80 В and concrete (presumed demolition rubble). Sand is 1.00 ES fine to coarse. SPT 50 (25 for 0mm/50 for rom 1.20m to 2.20m- Driller records pushing cobbles- No recovery. 0mm) 2 2.20 38.07 Firm brown slightly silty slightly sandy gravelly CLAY. <u>×</u>× 2.50 В Gravel is subangular and subrounded fine to coarse of 2.50 ES <u>×</u> : various lithologies. 3.00 - 3.45 U100 Ublow=28 3 $\frac{\cdot}{\times}$ 3.50 В $\frac{\cdot}{\times}$ 4.00 - 4.45 D $\overline{\times}$ 4.00 SPT N=11 (2,3/2,3,3,3) ------ $\overline{\times}$ 5.00 - 5.45 U100 Ublow=39 5 5.80 34.47 Stiff dark grey slightly silty slightly sandy gravelly 6.00 В 6 <u>×</u> CLAY. Gravel is subangular and subrounded fine to coarse of predominantly sandstone and mudstone. 6.50 - 6.95 × 6.50 SPT N=24 (4,6/5,6,7,6) 7.50 В $\frac{\overline{\times}}{}$ <u>×</u> 8 8.20 - 8.65 U100 Ublow=57 $\overline{\times}$ <u>×</u> 9.00 В 9 <u>×</u> $\frac{\cdot}{\times}$ 9.70 - 10.15 <u>×</u> 9.70 SPT N=25 (5,5/5,6,7,7) 10 $\frac{1}{2}$ 10.50 В × 11 $\overline{\times}$ <u>×</u> <u>×</u> 12.00 В 12 12.30 - 12.75 U100 Ublow=63 \bar{x} 13 $\frac{\overline{\times}}{}$ 13.50 В 13.80 - 14.25 D SPT 14 13.80 N=24 (4,5/6,5,6,7) 15.00 В 15.30 - 15.50 D 15.30 24.97 Extremely weak brown SANDSTONE, recovered as a 15.50 24.77 15.30 SPT 50 (25 for 100mm/50 sandy gravel (possible weathered bedrock). End of Borehole at 15.50m for 100mm) 16 17 Remarks: Logged By: Checked By: Inspection pit dug to a depth of 1.20m. Borehole progressed with cable percussion techniques to a depth of 15.50m and terminated on possible bedrock or boulder obstruction. No groundwater encountered. **Drilling Ltd** KΡ Borehole scheduled for rotary follow on. **DRAFT**

Borehole No. **Borehole Log BH05 Drilling Ltd** Sheet 1 of 1 Project No. **Hole Type** Rotterdam Wharf, Scottish Co-ords: E: 258783.5 N: 666628.1 Project Name: GD 0663 CP Scale Glasgow Location: Level: 40 20 1:86 **Rig Type** Client: Mason Evans Partnership Dates: 08/12/2023 Dando 2000 Sample and In Situ Testing Water Depth Level Well Legend Stratum Description Strikes (m) (m) Depth (m) Results Type 0.20 40.00 MADE GROUND: Concrete. MADE GROUND: Dark brown sandy fine to coarse 0.50 39.70 gravel of various lithologies including brick fragments, 0.70 ES burnt shale and concrete. Frequent cobble sized brick 0.80 and concrete (presumed demolition rubble). Sand is 1.00 FS fine to coarse. MADE GROUND: Soft brownish grey slightly sandy gravelly clay (reworked). Gravel is angular and subangular fine to coarse of various lithologies including brick, concrete and burnt shale. Rare textile 2 material noted. 2.50 ES 2.60 37.60 Firm brown slightly silty slightly sandy gravelly CLAY. 2.80 В Gravel is subangular and subrounded fine to coarse of 3 3.00 FS <u>×</u> various lithologies including mudstone sandstone and 3.00 - 3.45D coal. 3.00 SPT N=13 (2,3/3,3,4,3) <u>×</u> . 3.80 В 4.00 - 4.45U100 Ublow=38 $\overline{\times}$: 4.80 5 5.00 - 5.45 D 5.00 SPT N=13 (3,4/3,4,3,3) $\frac{\overline{\times}}{}$ 6 $\bar{\mathbf{x}}$ 6.30 6.50 - 6.95 U100 Ublow=42 7.20 33.00 Stiff dark grey slightly silty slightly sandy gravelly CLAY. Gravel is subangular and subrounded fine to <u>×</u> 7.80 В coarse of predominantly sandstone and mudstone. 8.00 - 8.45 D 8 8.00 SPT N=19 (3,5/4,5,5,5) <u>×</u> <u>×</u> 9 <u>×</u> 9.30 В $\frac{\cdot}{\times}$ 9.50 - 9.95 U100 Ublow=50 × 10 <u>×</u> $\overline{\times}$ 10.80 11.00 - 11.45 D 11 <u>×</u> 11.00 SPT N=23 (3,4/5,5,6,7) <u>×</u> 12 12.30 В $\overline{\times}$ 12.60 - 13.05 U100 Ublow=60 <u>×</u> 13 -<u>·</u> -<u>·</u> -<u>·</u> -- $\overline{\times}$ 13.80 В 14 14.00 - 14.45 D 14.00 SPT N=27 (4,6/5,7,8,7) <u>×</u> В 15.30 15.50 - 15.80 U100 15.80 - 15.90 D 15.80 24.40 Extremely weak white SANDSTONE, recovered as a 15.80 SPT 50 (25 for 50mm/50 for 24.30 16 15.90 sandy gravel (presumed bedrock). End of Borehole at 15.90m 50mm) 17 Remarks: Logged By: Checked By: Inspection pit dug to a depth of 1.20m. Borehole progressed with cable percussion techniques to a depth of 15.90m and terminated on possible bedrock or boulder obstruction. Water in pit at 0.30m no other **Drilling Ltd** KΡ strike noted. Borehole scheduled for rotary follow on. **DRAFT**

Borehole No. **Borehole Log BH06** Sheet 1 of 1 Project No. **Hole Type** Rotterdam Wharf, Scottish Project Name: Co-ords: E: 258748.1 N: 666599.7 Opera GD 0663 CP Scale Location: Glasgow Level: 35.83 1:51 **Rig Type** Client: Dates: Mason Evans Partnership 09/12/2023 - 10/12/2023 Dando 2000 Sample and In Situ Testing Water Depth Level Well Legend Stratum Description (m) Strikes (m) Depth (m) Results Type MADE GROUND: Tarmacadam. 0.20 ES 0.20 35.63 MADE GROUND: Greyish brown slightly clayey sandy angular fine to coarse gravel of predominantly crushed 0.50 aggregate. Sand is fine to coarse. 0.50 ES 1.00 В 1.10 34.73 1.00 ES MADE GROUND: Dense brown slightly silty very 1.20 1.20 - 1.65 В gravelly fine to coarse sand with occasional pockets of D clay. Gravel is angular and subangular fine to coarse 1.20 SPT N=36 (8,7/9,9,9,9) of various lithologies including frequent burnt shale and brick fragments. Traces of ash noted. Driller records occasional brick sized cobbles. 1.80 34.03 Stiff brownish orange slightly sandy CLAY with rare 2.00 В 2.00 - 2.45 D 2.00 SPT N=27 (6,4/6,5,8,8) 2.50 - 2.95 U100 2.50 33.33 Ublow=50 Stiff becoming very stiff dark grey slightly silty slightly sandy gravelly CLAY. Gravel is subangular and subrounded fine to coarse of predominantly sandstone $\dot{\mathbb{X}}$ 3.00 В 3 3.00 - 3.45 D 3.00 SPT N=28 (7,6/7,5,8,8) $\overline{\times}$ 4.00 - 4.45U100 Ublow=55 $\frac{\overline{\times}}{}$ 5.00 В 5 5.00 - 5.45 5.00 D SPT N=33 (7,7/9,8,8,8) 6.40 D 6.40 29.43 Extremely weak white SANDSTONE, recovered as a 6.50 29.33 sandy gravel (possible weathered bedrock). End of Borehole at 6.50m 8 9 10 Remarks: Logged By: Checked By: Inspection pit dug to a depth of 1.20m. Borehole progressed with cable percussion techniques to a depth of 6.50m and terminated on possible bedrock. No groundwater encountered. Borehole scheduled for **Drilling Ltd** JΒ rotary follow on. **DRAFT**

Borehole No. **Borehole Log BH07** Sheet 1 of 1 Project No. **Hole Type** Rotterdam Wharf, Scottish Project Name: Co-ords: E: 258740.8 N: 666627.6 Opera GD 0663 WS Scale Location: Glasgow Level: 35.83 1:25 Rig Type Client: Dates: Mason Evans Partnership 04/12/2023 Competitor Dart Sample and In Situ Testing Water Depth Level Well Legend Stratum Description Strikes (m) (m) Depth (m) Results Type MADE GROUND: Tarmacadam. 0.23 35.60 MADE GROUND: Greyish brown slightly clayey sandy 0.30 ES angular fine to coarse gravel of predominantly crushed 0.35 35.48 aggregate. Sand is fine to coarse. MADE GROUND: Brown slightly clayey very gravelly 0.50 fine to coarse sand. Gravel is subangular of various lithologies including brick fragments, burnt shale and 0.50 ES crushed aggregate. MADE GROUND: Soft becoming firm grey slightly 0.70 35.13 sandy gravelly clay (reworked). Gravel is angular to subangular of various lithologies including brick fragments and burnt shale. Traces of ash noted. 1.00 В ES 1.20 - 1.65 1.20 SPT N=8 (2,2/2,2,2,2) 1.80 В 2.00 2.00 - 2.45 ES 2 D 2.00 - 3.00 U87 Ublow=77 2.00 SPT N=11 (2,2/2,3,3,3) 2.50 ES 3.00 - 3.45 D 3.00 32.83 Firm dark grey slightly silty slightly sandy gravelly 3.00 - 4.00 $\overline{\times}$ U87 Ublow=64 CLAY. Gravel is subangular and subrounded fine to SPT N=11 (1,2/3,2,3,3) 3.00 <u>×</u> × coarse of predominantly sandstone and mudstone. × <u>×</u> × 3.50 ES 4.00 - 4.25 50 (1,2/50 for 100mm) 4.25 31.58 End of Borehole at 4.25m 5 Remarks: Logged By: Checked By: Inspection pit dug to a depth of 1.20m. Borehole progressed with windowless sampling techniques to a depth of 4.25m and terminated on possible bedrock or boulder obstruction. No groundwater encountered. **Drilling Ltd** GD Borehole fitted with a wellpoint on completion. **DRAFT**

9)				В	oreh	ole Log	Borehole N			
Drilling Li Project Name:	Rotterda	am Wha	,	Project No.		Co-ords:	E: 258744.7 N: 666738.8	Sheet 1 of Hole Type			
ocation:	Opera Glasgow			GD 0663		Level:	35.83	Scale			
lient:			Partnership			Dates:	04/12/2023	1:25 Rig Type			
Water			Situ Testing	Donth	Laval	Dates.	04/12/2023	Competitor D)art		
Well Strikes	Depth (m)	Туре	Results	Depth (m)	Level (m)	Legend	Stratum Description	า			
							MADE GROUND: Tarmacadam.				
	0.30	ES		0.25	35.58		MADE GROUND: Greyish brown sligl angular fine to coarse gravel of predo aggregate. Sand is fine to coarse.	ntly clayey sandy minantly crushed			
	0.50 0.60	B ES		0.55	35.28		Firm becoming firm to stiff brown slight sandy gravelly CLAY. Gravel is suban subrounded fine to coarse of various	gular and ithologies			
	1.00 1.00	B ES				X X - X - X - X - X - X - X - X - X	including mudstone sandstone and co	pal.	1 -		
	1.20 - 1.65 1.20 - 2.00 1.20	D U87 SPT	Ublow=77 N=11 (2,2/2,3,3,3))		<u> </u>					
						X - X - X - X - X - X - X - X - X - X -					
						× × × × × × × × × × × × × × × × × × ×					
	2.00 - 2.45 2.00 - 3.00 2.00	D U87 SPT	Ublow=104 N=12 (1,2/2,3,3,4))		X - X - X - X - X - X - X - X - X - X -			2 -		
						× × × × × × × × × × × × × × × × × × ×					
						X X					
	3.00 - 3.45 3.00 - 4.00 3.00	D U87 SPT	Ublow=102 N=15 (1,2/2,3,4,6)		**************************************			3 -		
			•			X - X - X - X - X - X - X - X - X - X -					
						X X X					
	4.00 - 4.45 4.00 - 4.50	D B		4.00	31.83	<u>* * * * * * * * * * * * * * * * * * * </u>	Medium dense brown silty fine to med	lium SAND with	4 -		
	4.00	SPT	N=27 (3,4/5,7,7,8)				rare gravel.				
				4.70	31.13	× × × × × × × × × × × × × × × × × × ×	Chiff shade are a like to the control of the contro	di auc est			
	5.00	В		5.00	30.83	X X X	Stiff dark grey slightly silty slightly san CLAY. Gravel is subangular and subro coarse of predominantly sandstone at	ounded fine to nd mudstone.	5 -		
Remarks:							End of Borehole at 5.00m Logged By: Checked				
nspection pit of epth of 5.00m	lug to a depth of and terminated to completion	ed on Er	n. Borehole progre ngineers' Instructio	essed with win n. No ground	dowless s	sampling teo ountered. B	chniques to a	Drilling L) Ltd		

Appendix 05

Records of Rotary Bore Logs and Rock Core Photographs (GD Drilling Ltd, December 2023)



Project Name: Rotterdam Wharf Client: Mason Evans Date: 12/12/2023 Location: Port Dundas ,Glasgow Contractor: Teasdale Drilling Services Ltd Crew Name: TT/TT Project No.: 41 Drilling Equipment: 205 Borehole Number Hole Type Level Logged By Scale Page Number CP+RC RO1 TT 1:50 Sheet 1 of 4 Depth Туре Coring Depth Level Well Water Stratum Description Legend (m) (m) /FI (m) TCR SCR RQD CP Follow-on see CP logs 2 3 5 7.50 Drillers Description: MUDSTONE 7.60 Drillers Description: COAL 78mm 7.80 Moderately strong grey fine to coarse grained SANDSTONE with occasional mudstone laminae. 1 Fracture set: #1 close to medium spaced, sub-horizontal 5 undulose rough 7.80 - 10.80 100 83 18 9.10 Weak grey MUDSTONE, locally non intact. 2 Fracture sets: #1 close to medium spaced, sub-horizontal, planar, rough. #2 14 medium spaced, sub-vertical, planar rough 10.00 10 Type/FI TCR SCR RQD D/R/(SPT Chiselling Hole Diameter Casing Diameter Inclination and Orientation Drilling Flush Min (%) Max (%) 100 100 Depth Base Diameter Depth Base Diameter Depth Top Depth Base Duration Tool Depth Top Depth Base Inclination Orientation Depth Top Depth Base 7.80 31.00 Colour 7.80 152 7.80 140 GREY





Client: Mason Evans Date: 12/12/2023 Project Name: Rotterdam Wharf Location: Port Dundas, Glasgow Contractor: Teasdale Drilling Services Ltd Project No.: 41 Crew Name: TT/TT Drilling Equipment: 205 Hole Type Borehole Number Level Logged By Scale Page Number CP+RC RO1 TT 1:50 Sheet 2 of 4 Diameter Recovery (SPT) Туре Coring Depth Depth Level Water Well Legend Stratum Description (m) /FI (m) (m) TCR SCR RQD Very weak dark grey coaly MUDSTONE. 10.25 Non-intact Moderately strong pale grey fine to coarse grained SANDSTONE with occasional mudstone laminae. 2 fracture sets: #1 78mm close to medium spaced, sub-horizontal, undulose, rough. #2 medium spaced, subvertical undulose, rough 8 12 10.80 - 13.80 100 97 17 12.90 Weak locally moderately strong grey 13 SILTSTONE. 1 fracture set: #1 close to 10 medium spaced, sub-horizontal, undulose, 13.45 rough Moderatrly strong and strong cream fine to 78mm coarse grained SANDSTONE. 1 fracture set: #1 close to medium spaced, 14 subhorizontal, undulose, rough 15 100 100 13.80 - 16.80 16.80 Drillers description: SANDSTONE with 17 mudstone bands 18 19 20 Type/FI TCR SCR RQD D/R/(SPT Chiselling Hole Diameter Casing Diameter Inclination and Orientation Drilling Flush Depth Base Diameter Depth Base Diameter Depth Top Depth Base Duration Tool Depth Top Depth Base Inclination Orientation Depth Top Depth Base Colour Min (%) Max (%) 7.80 152 7.80 140 7.80 31.00 GREY





Project Name: Rotterdam Wharf Client: Mason Evans Date: 12/12/2023 Location: Port Dundas ,Glasgow Contractor: Teasdale Drilling Services Ltd Crew Name: TT/TT Drilling Equipment: 205 Project No.: 41 Borehole Number Hole Type Level Logged By Scale Page Number CP+RC RO1 TT 1:50 Sheet 3 of 4 Depth Coring Type Depth Level Water Well Legend Stratum Description (m) (m) (m) TCR SCR RQD Drillers description: SANDSTONE with mudstone bands 21 22 23 24 25 26 27 28 29 30 Type/FI TCR SCR RQD D/R/(SPT Casing Diameter Chiselling Inclination and Orientation Hole Diameter Drilling Flush Depth Base Diameter 7 80 152 Depth Base Diameter 7.80 140 Min (%) Max (%) 100 100 Depth Top Depth Base Inclination Orientation Depth Top Depth Base 7.80 31.00 Colour GREY Depth Top Depth Base Duration Tool Type





Project Name: Rotterdam Wharf Client: Mason Evans Date: 12/12/2023 Location: Port Dundas ,Glasgow Contractor: Teasdale Drilling Services Ltd Drilling Equipment: 205 Project No.: 41 Crew Name: TT/TT Borehole Number Hole Type Level Logged By Scale Page Number CP+RC RO1 TT 1:50 Sheet 4 of 4 Depth Coring Type Depth Level Water Well Legend Stratum Description (m) (m) (m) TCR SCR RQD Drillers description: SANDSTONE with mudstone bands 31.00 31 End of Borehole at 31.000m 32 33 34 35 37 38 39 40 Type/FI TCR SCR RQD D/R/(SPT Casing Diameter Chiselling Inclination and Orientation Hole Diameter Drilling Flush Depth Base Diameter
7.80 152 Depth Base Diameter 7.80 140 Min (%) Max (%) 100 100 Depth Top Depth Base Inclination Orientation Depth Top Depth Base 7.80 31.00 Depth Top Depth Base Duration Tool Colour Type GREY











Project Name: Rotterdam Wharf Client: Mason Evans Date: 08/12/2023 Location: Port Dundas ,Glasgow Contractor: Teasdale Drilling Services Ltd Crew Name: TT/TT Drilling Equipment: 205 Project No.: 41 Borehole Number Hole Type Level Logged By Scale Page Number CP+RC TT 1:50 Sheet 1 of 4 Depth Coring Type Depth Level Well Water Legend Stratum Description (m) (m) (m) TCR SCR RQD CP follow-on see CP logs 2 3 5 10.00 Type/FI TCR SCR RQD D/R/(SPT Chiselling Hole Diameter Casing Diameter Inclination and Orientation Drilling Flush Depth Base Diameter 12.00 140 37.50 100 Depth Base Diameter Depth Top Depth Base Inclination Orientation Depth Top Depth Base 10.00 37.50 Min (%) Max (%) 100 100 Colour GREY Depth Top Depth Base Duration Tool

Openhole from 21.20m to 37.50m, Install pipe at 20.00m with 12.00m plain pipe and 8.00m of slotted





Project Name: Rotterdam Wharf Client: Mason Evans Date: 08/12/2023 Location: Port Dundas, Glasgow Contractor: Teasdale Drilling Services Ltd Project No.: 41 Crew Name: TT/TT Drilling Equipment: 205 Logged By Borehole Number Hole Type Level Scale Page Number R02 CP+RC 1:50 Sheet 2 of 4 TT Depth Coring Туре Depth Level Water Well Stratum Description Legend (m) /FI (m) (m) TCR SCR RQD Drillers Description: Boulder CLAY with boulders 11.20 Drillers Description: SANDSTONE 78mm 12.00 12 Moderately strong pale cream fine to coarse grained SANDSTONE with frequent 6 mudstone bands. 1 fracture set: #1 closely spaced subhorizontal undulose rough 12.75 Weak grey MUDSTONE with siltstone bands. Locally non-intact. 2 fracture sets: 13 12.00 - 14.20 100 77 #1 closely spaced horizontal undulose rough #2 medium spaced sub-vertical undulose rough 8 14 78mm 14.70 Strong cream fine to coarse grained SANDSTONE with frequent roots and 15 occasional mudstone laminations. 1 fracture set: #1 close and medium spaced sub-horizontal undulose rough 14.20 - 17.20 100 90 40 15.95 16 Moderately strong pale cream fine to coarse grained SANDSTONE with frequent mudstone bands. 1 fracture set: #1 closely 6 spaced subhorizontal undulose rough 16.95 NI 17 Black bright COAL. Non-intact 17.05 78mm Moderately strong cream fine to coarse grained SANDSTONE with frequent roots and occasional mudstone laminations. 1 2 fracture set: #1 close and medium spaced sub-horizontal undulose rough 18 18.10 Moderately strong pale cream fine to coarse grained SANDSTONE with frequent 8 mudstone bands. 1 fracture set: #1 closely 17.20 - 20.20 100 87 65 spaced subhorizontal undulose rough 18.80 Strong cream fine to coarse grained 18.95 19 SANDSTONE. 3 Moderately strong locally weak grey interbedded MUDSTONE and SILTSTONE 19.50 with occasional sandstone laminations. 1 NI fracture set: #1 closely spaced subhorizontal undulose rough 19.90 <u>@</u> 20 Type/FI TCR SCR RQD D/R/(SPT Casing Diameter Chiselling Inclination and Orientation Hole Diameter **Drilling Flush** Depth Base Diameter Depth Base Diameter Depth Top Depth Base Duration Depth Top Depth Base Inclination Orientation Depth Top Depth Base Colour Min (%) Max (%) Tool 12 00 140 12.00 140 10.00 37.50 GREY

Remarks

Openhole from 21.20m to 37.50m, Install pipe at 20.00m with 12.00m plain pipe and 8.00m of slotted





info@teasdaledr	illing.com											1									
Project Nam	e: Rotterda	am W	/harf			C	Client: N	/lason E	vans			Date: 08/12/20	23								
_ocation: Po	rt Dundas	,Glas	sgow			C	Contrac	tor: Teas	dale Drillin	g Services	s Ltd										
Project No. : 41						C	Crew Name: TT/TT					Drilling Equipment: 205									
Borehole Number Hole Type					Level Lo			Logged	Ву	y Scale Page Number											
R02				CP+RC										- ·		TT		1:50 Sheet 3		heet 3 of	f 4
Well Wate	r Dept		Type /FI	TOP	orin	I g	Diameter Recovery (SPT)	Depth (m)	Level (m)	Legend		Stratum D	escript	ion							
	' '			ICK	SCR	KQD						mely weak grey			NE.	 					
							78mm				\ Fully Mode	destructured, po rately strong cre	ssible w	aste. to coar	se	/ =					
	20.20 - 2	21 20	5	100	100	70					graine	ed SANDSTONE	with fre	quent r	oots	=					
	20.20	.1.20				' "					and o	ccasional mudst re set: #1 close	one lam	inations dium sp	aced						
								21.20				orizontal undulo				21 -					
											SANL	OSTONE with mu	uastone	bands		_					
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] =					
			Type/FI	TCR	SCR	ROD	D/R/(SPT)									30 -					
Hole Diamete			ter	<u> </u>		Chisel	ling			on and Orient		D # = 1=	Drilling			L					
Depth Base Diame 12.00 140 37.50 100	12.00	Diame 140		oth Top	Depth I	Base	Duration	Tool	Depth Top Depth	Base Inclination	on Orientation	Depth Top Depth Base 10.00 37.50	Type Water	Colour	Min (%) 100	Max (%) 100					
37.50																					
Remarks																					

Openhole from 21.20m to 37.50m ,Install pipe at 20.00m with 12.00m plain pipe and 8.00m of slotted





Project Name: Rotterdam Wharf Client: Mason Evans Date: 08/12/2023 Location: Port Dundas ,Glasgow Contractor: Teasdale Drilling Services Ltd Crew Name: TT/TT Drilling Equipment: 205 Project No.: 41 Borehole Number Hole Type Level Logged By Scale Page Number CP+RC R02 TT 1:50 Sheet 4 of 4 Depth Coring Type Depth Level Water Well Legend Stratum Description (m) (m) (m) TCR SCR RQD SANDSTONE with mudstone bands 31 32 33 34 35 36 37 37.50 End of Borehole at 37.500m 38 39 40 Type/FI TCR SCR RQD D/R/(SPT Casing Diameter Chiselling Inclination and Orientation Hole Diameter Drilling Flush Depth Base Diameter
12.00 140
37.50 100 Depth Base Diameter Depth Top Depth Base Inclination Orientation Depth Top Depth Base 10.00 37.50 Min (%) Max (%) 100 100 Depth Top Depth Base Duration Tool Туре Colour GREY

Openhole from 21.20m to 37.50m, Install pipe at 20.00m with 12.00m plain pipe and 8.00m of slotted











Project Name: Rotterdam Wharf Client: Mason Evans Date: 09/12/2023 Location: Port Dundas ,Glasgow Contractor: Teasdale Drilling Services Ltd Project No. : 41 Crew Name: TT/TT Drilling Equipment: 205 Borehole Number Hole Type Level Logged By Scale Page Number CP+RC RO3 TT 1:50 Sheet 1 of 4 Depth Coring Type Depth Level Water Well Legend Stratum Description (m) (m) (m) TCR SCR RQD CP follow-on see CP logs 2 3 5 Type/FI TCR SCR RQD D/R/(SPT Chiselling Hole Diameter Casing Diameter Inclination and Orientation Drilling Flush Depth Base Diameter 14.00 140 38.00 100 Depth Base Diameter Min (%) Max (%) 100 100 Depth Top Depth Base Inclination Orientation Depth Top Depth Base 14.00 38.00 Colour GREY Depth Top Depth Base Duration Tool

Remarks





Date: 09/12/2023 Project Name: Rotterdam Wharf Client: Mason Evans Location: Port Dundas, Glasgow Contractor: Teasdale Drilling Services Ltd Project No.: 41 Crew Name: TT/TT Drilling Equipment: 205 Borehole Number Hole Type Level Logged By Scale Page Number RO3 CP+RC TT 1:50 Sheet 2 of 4 Coring Depth Type Depth Level Well Water Stratum Description Legend (m) (m) /FI (m) TCR SCR RQD CP follow-on see CP logs 12 13 14.00 **Drillers Description: Bouldrer CLAY** 14.20 Drillers Description: SANDSTONE 78mm 14.50 Moderately strong and strong pale grey fine to coarse thinly bedded SANDSTONE with frequent mudstone laminations becoming 15 more frequent towards base. 1 fracture set: #1 medium spaced 15° undulose rough 2 14.50 - 17.50 100 90 40 16 16.25 Weak grey thinly bedded SILTSTONE locally non intact. 2 fracture sets: #1 closely spaced subhorizontal planar smooth. #2 subvertical undulose smooth 17 14 78mm 17.80 Dark grey and black COAL and coaly NI 18 MUDŠTÓNE. Non intact. 18.20 Weak and moderately strong cream fine to coarse grained thinly bedded 6 SANDSTONE with occasional roots and 17.50 - 20.50 100 87 30 mudstone laminations. 1 fracture sets: #1 medium spaced subhorizontal undulose 19.00 19 Weak and moderately strong grey SILTSTONE. 1 fracture set: #1 closely 8 spaced subhorizontal smooth 20 Type/FI TCR SCR RQD D/R/(SPT Chiselling Casing Diameter Inclination and Orientation Drilling Flush Hole Diameter Depth Base Diameter Depth Base Diameter Depth Top Depth Base Duration Depth Top Depth Base Inclination Orientation Depth Top Depth Base Colour Min (%) Max (%) Tool 14 00 140 14 00 140 14.00 38.00 GREY





Proje	rt Name	· Rotter	-dam \Λ	/harf			(lient: N	Лason Е	vans			Date: 09/12/20	23			
Project Name: Rotterdam Wharf Location: Port Dundas ,Glasgow						_			sdale Drillin	g Services	Ltd						
Proie	ct No. : 4							Crew Na	ame: TT	 /TT			Drilling Equipm	ent: 205	5		
Borehole Number Hole Type					Level			Logged By		Scale Page Number			ber				
	RO3		\bot		P+RC						TT		1:50		S	heet 3 of	f 4
Well	Water	Dep (m		Type /FI	TCR	orin scr	g RQD	Diameter Recovery (SPT)	Depth (m)	Level (m)	Legend		Stratum D	escript	ion		
				8					20.20		******	SILTS	and moderately TONE. 1 fractu	e set:#	1 closel	ly	
								78mm	20.50			Extrer	d subhorizontal nely weak black Locally non in	dull and] =
				2								Model coarse occas top. 1	rately strong and e thickly bedded ional mudstone fracture set: #1 ose rough	d strong I SANDS Iaminati	STONE ions, ro	with	21 -
		20.50 -	23.50	10	100	80	43		21.80		×××××× ×××××××	Mode SILTS	rately strong thin TONE with san	nly bedd	led grey	/ ons. 1	22 -
				NI					22.40		*****	fractu subho	re set: #1 closel rizontal planar s	y space smooth] =
				10					22.50		×××××× ×××××× ×××××××	Mode	COAL non intact rately strong and TONE locally no	d strong		ture	1 =
				NI					23.10 23.25		*****	set: #	1 15° planar rou COAL non intac	gh ct.			23 —
				2					23.50				rately strong gre s description: S				-
													tone bands				
																	24 -
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																	-
					TCR			D/R/(SPT)									30 —
Depth Ba		er Depth Ba		eter Dep	th Top		Chisel Base	ling Duration	Tool	Inclination Depth Top Depth	n and Orienta Base Inclination			Туре	Flush Colour	Min (%)	Max (%)
14.00 38.00	140	14.00	140	0									14.00 38.00	Water	GREY	100	100
Rem	arks																





Project Name: Rotterdam Wharf Client: Mason Evans Date: 09/12/2023 Location: Port Dundas ,Glasgow Contractor: Teasdale Drilling Services Ltd Drilling Equipment: 205 Project No.: 41 Crew Name: TT/TT Borehole Number Hole Type Level Logged By Scale Page Number CP+RC RO3 TT 1:50 Sheet 4 of 4 Diameter Recovery (SPT) Depth Coring Depth Type Level Water Well Legend Stratum Description (m) (m) (m) TCR SCR RQD Drillers description: SANDSTONE with mudstone bands 31 32 33 34 35 37 38.00 38 End of Borehole at 38.000m 39 40 Type/FI TCR SCR RQD D/R/(SPT Casing Diameter Chiselling Inclination and Orientation Hole Diameter Drilling Flush Depth Base Diameter
14 00 140 Depth Base Diameter Min (%) Max (%) 100 100 Depth Top Depth Base Inclination Orientation Depth Top Depth Base 14.00 38.00 Depth Top Depth Base Duration Tool Туре Colour GREY











Project Name: Rotterdam Wharf Client: Mason Evans Date: 10/12/2023 Location: Port Dundas ,Glasgow Contractor: Teasdale Drilling Services Ltd Crew Name: TT/TT Drilling Equipment: 205 Project No.: 41 Borehole Number Hole Type Level Logged By Scale Page Number CP+RC R04 TT 1:50 Sheet 1 of 4 Depth Coring Type Depth Level Well Water Legend Stratum Description (m) /FI (m) (m) TCR SCR RQD CP follow-on see CP logs 2 3 5 Type/FI TCR SCR RQD D/R/(SPT Chiselling Hole Diameter Casing Diameter Inclination and Orientation Drilling Flush Depth Base Diameter 15.50 140 38.50 100 Depth Base Diameter 15.50 140 Depth Top Depth Base Inclination Orientation Depth Top Depth Base 15.00 38.80 Min (%) Max (%) 100 100 Colour GREY Depth Top Depth Base Duration Tool





Project Name: Rotterdam Wharf Client: Mason Evans Date: 10/12/2023 Location: Port Dundas ,Glasgow Contractor: Teasdale Drilling Services Ltd Project No.: 41 Crew Name: TT/TT Drilling Equipment: 205 Borehole Number Hole Type Level Logged By Scale Page Number CP+RC R04 TT 1:50 Sheet 2 of 4 Туре Coring Depth Depth Level Well Water Stratum Description Legend (m) (m) /FI (m) TCR SCR RQD CP follow-on see CP logs 12 13 14 15.00 15 Drillers Description: SANDSTONE 15.50 78mm Moderately strong and strong thinly bedded fine to coarse grained SANDSTONE with mudstone laminations increasing towards 16 base. 1 fracture set: #1 medium spaced subhorizontal undulose rough. Locally nonintact. 15.50 - 18.05 100 100 67 17 18 78mm 19 18.05 - 21.05 100 92 33 19.05 Weak and moderately strong grey SILTSTONE. Locally fully desructured due to weathering. 2 fracture sets: #1 medium spaced subhorizontal planar smooth #2 widely spaced 80° planar smooth. 20 Type/FI TCR SCR RQD D/R/(SPT Chiselling Casing Diameter Inclination and Orientation Drilling Flush Hole Diameter Depth Base Diameter Depth Base Diameter Depth Top Depth Base Duration Tool Depth Top Depth Base Inclination Orientation Depth Top Depth Base Colour Min (%) Max (%) 100 100 15.50 140 15.50 140 15.00 38.80 GREY

Remarks





Project Name: Rotte	rdam \//h	arf		-	Client: N	/lason E	vans	ans Date: 10/12/2023						
Location: Port Dunc				-+			sdale Drillin	g Services	Ltd					
Project No. : 41		<u> </u>				ame: TT/				Drilling Equipme	ent: 205			
Borehole Numbe	+	Level			Logged By		Scale Page Number				oer			
R04		Hole T	RC					TT		1:50			heet 3 of	
		ype /FI TO	Corin	g RQD	Diameter Recovery (SPT)	Depth (m)	Level (m)	Legend		Stratum D	escript	ion		
	- 24.05	10	00 87	35	- 78mm	(m) 20.20 20.60 22.25 23.45 24.05	(m)		SILTS to wea space widely intact Weak and C Strong graine mudst widely Weak bedde mediu smoot	and moderately TONE. Locally for the individual of the individual	strong gully des re sets: planar smodd 19.45 lack MLL n-intact deded fill with free 1 fractulose restrong gullose restrong lack dullack dullac	grey ructured #1 med smooth both, No 5 - 19.58 JDSTOI ne to co equent sture se ough grey thi re set:: I planar	dium #2 parse t: #1 nly #1	21
Hala Dit-			CR SCR			1	In all the second	n and 0 : :	ation	1	D.::""	. Гі		30
Hole Diameter Cas			C Top Depth B	Chisel Base	lling Duration	Tool [Inclination Depth Top Depth	on and Orienta Base Inclination		Depth Top Depth Base 15.00 38.80	Drilling Type Water	Colour GREY	Min (%) 100	Max (%) 100
 Remarks														





info@teasdaledrilling.com						
Project Name: Rotterdam Wharf	Client: Mason Evans	Date: 10/12/2023				
Location: Port Dundas ,Glasgow	Contractor: Teasdale Drilling Services Ltd					
-	Crew Name: TT/TT	Drilling Equipment: 205				
Borehole Number Hole Type R04 CP+RC	Level Logged By TT	Scale Page Number 1:50 Sheet 4 of 4				
Mod Water Depth Type Coring	Depth Level Legend (m)	Stratum Description				
Type/FI TCR SCR RQI	Drillers mudsto	description: SANDSTONE with one bands	33			
Hole Diameter Casing Diameter Chise		Drilling Flush				
Casing Diameter Casing Diameter Colored Base Diameter Depth Base Diameter Depth Top Depth Base Depth Top De		Depth Top Depth Base Type Colour Min (%) M	Max (%) 100			

Remarks

