



SL09



SL09



SL10



SL10



SL10



SL10



SL11



SL11



SL11



SL12



SL12



SL12



SL12



SL13



SL13



SL14



SL14



SL14



SL14



SL15



SL15



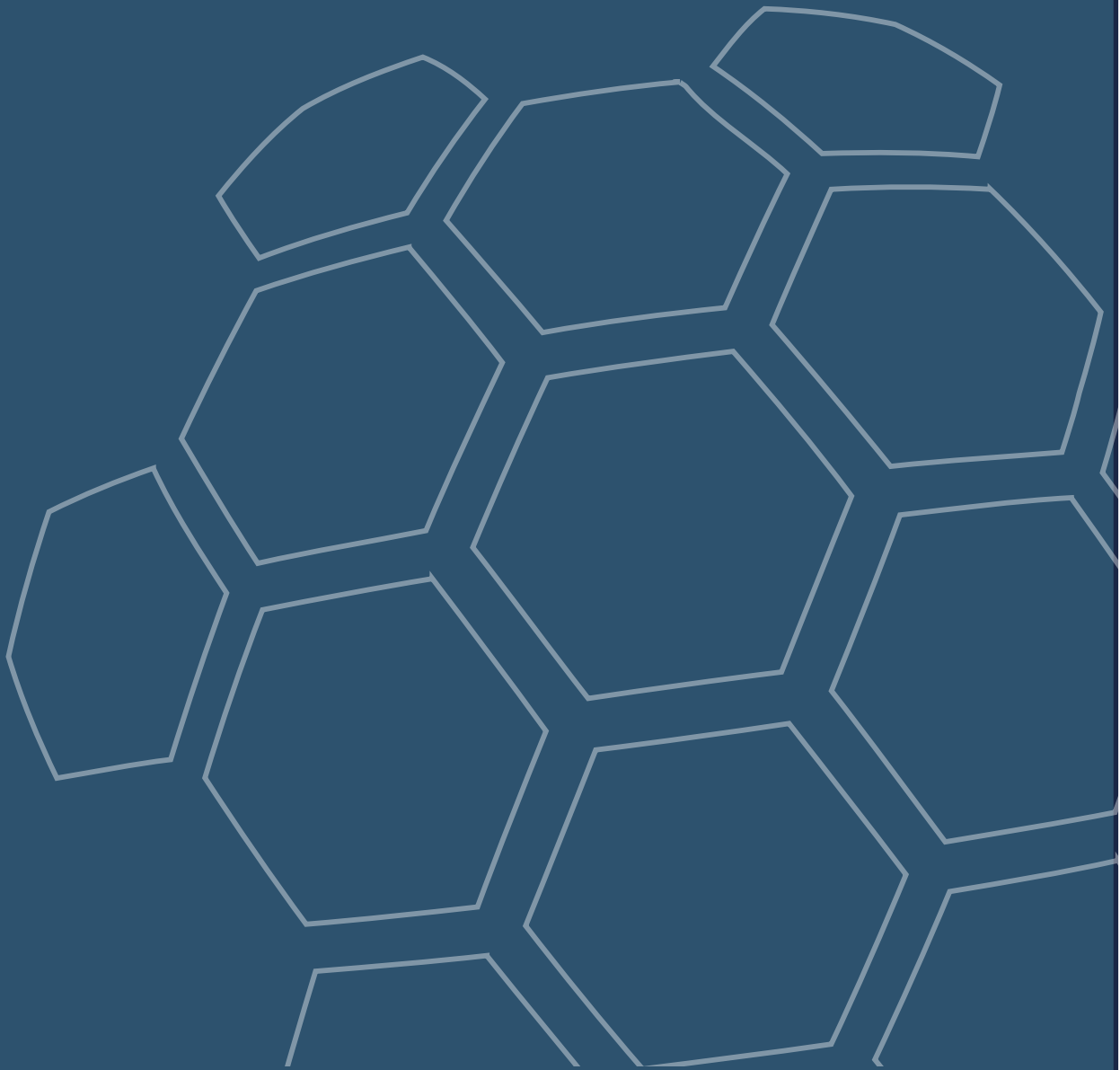
SL15



SL15

APPENDIX H – SOAKAWAY TEST RESULTS AND LOGS

RECEIVED: 16/10/2025





Project No. 24-0211	Project Name: Kingston Lands, Galway	Trial Pit ID SA01
Coordinates 526915.50 E 724900.81 N	Client: King Construction	
Method: Trial Pitting	Client's Representative: TOBIN / MKO	Sheet 1 of 1 Scale: 1:25
Plant: 29t Tracked Excavator	Elevation 31.07 mOD	Date: 03/06/2025

Logger:
OR

RECEIVED: 16/10/2025

Depth (m)	Sample / Tests	Field Records	Level (mOD)	Depth (m)	Legend	Description	Water
			30.87	0.20		TOPSOIL with fine roots (0.5-2.0mm).	
			30.57	0.50		Reddish brown slightly silty gravelly fine to coarse SAND with low cobble content. Gravel is angular to subangular fine to coarse. Cobbles are angular.	
						Greyish brown slightly silty gravelly fine to coarse SAND with high cobble content. Gravel is subangular to subrounded fine to coarse. Cobbles are subangular to subrounded.	
			29.27	1.80		End of trial pit at 1.80m	

Water Strikes		Depth: 1.80 Width: 1.80 Length: 2.45	Remarks:
Struck at (m)	Remarks		
		Stability: Stable	Termination Reason Terminated at refusal on boulder / possible bedrock.
		Last Updated 05/08/2025	



Project No. 24-0211	Project Name: Kingston Lands, Galway	Trial Pit ID SA02
Coordinates 526835.97 E 724871.43 N	Client: King Construction	
Method: Trial Pitting	Client's Representative: TOBIN / MKO	Sheet 1 of 1 Scale: 1:25
Plant: 29t Tracked Excavator	Elevation 25.37 mOD	Date: 03/06/2025
	Logger: OR	FINAL

RECEIVED: 16/10/2025

Depth (m)	Sample / Tests	Field Records	Level (mOD)	Depth (m)	Legend	Description	Water
			25.32	0.05		TOPSOIL with fine roots (0.5-2.0mm).	
						Light grey slightly gravelly clayey fine to coarse SAND with low cobble content. Gravel is subangular fine to coarse. Cobbles are subangular.	
			24.82	0.55		Light greyish reddish brown slightly gravelly clayey fine to coarse SAND with medium cobble and low boulder content. Gravel is subangular fine to coarse. Cobbles and boulders are subangular.	0.5
							1.0
							1.5
			23.57	1.80		End of trial pit at 1.80m	2.0
							2.5
							3.0
							3.5
							4.0
							4.5

Water Strikes		Depth: 1.80 Width: 1.90 Length: 3.35	Remarks:
Struck at (m)	Remarks		
		Stability: Stable	Termination Reason Terminated at refusal on boulder / possible bedrock.
		Last Updated 05/08/2025	



Project No. 24-0211	Project Name: Kingston Lands, Galway	Trial Pit ID SA03
Coordinates 526796.24 E 724797.35 N	Client: King Construction	
Method: Trial Pitting	Client's Representative: TOBIN / MKO	Sheet 1 of 1 Scale: 1:25
Plant: 29t Tracked Excavator	Elevation 23.46 mOD	Date: 04/06/2025
	Logger: OR	FINAL

RECEIVED: 16/10/2025

Depth (m)	Sample / Tests	Field Records	Level (mOD)	Depth (m)	Legend	Description	Water
						Firm brownish black amorphous PEAT with medium roots (2.0-5.0mm) and high cobble content.	
		Water infiltrating along peat-clay interface.	22.86	0.60		Very stiff dark grey slightly gravelly sandy CLAY with medium cobble content. Sand is fine to coarse. Gravel is angular to subrounded fine to coarse. Cobbles are subangular. (Upper strata contact is beneath water and not visible. Unit logged from excavated material.)	▼
			22.16	1.30		End of trial pit at 1.30m	

Water Strikes		Depth: 1.30 Width: 3.15 Length: 3.70	Remarks:
Struck at (m) 0.60	Remarks Water infiltrating along peat-clay interface.		
Stability: Moderately stable	Termination Reason Terminated at refusal on boulder / possible bedrock.	Last Updated 05/08/2025	



Project No. 24-0211	Project Name: Kingston Lands, Galway	Trial Pit ID SA04
Coordinates 526733.87 E 724783.02 N	Client: King Construction	
Method: Trial Pitting	Client's Representative: TOBIN / MKO	Sheet 1 of 1 Scale: 1:25
Plant: 29t Tracked Excavator	Elevation 23.39 mOD	Date: 04/06/2025
		Logger: OR
		FINAL

RECEIVED: 16/10/2025

Depth (m)	Sample / Tests	Field Records	Level (mOD)	Depth (m)	Legend	Description	Water
						Firm brownish black amorphous PEAT with fine roots (0.5-2.0mm). (Lower contact is obscured by groundwater.)	
		Water infiltrating along peat-clay interface.	22.39	1.00		Stiff grey slightly gravelly sandy CLAY with medium cobble content. Sand is fine to coarse. Gravel is subangular fine to coarse. Cobbles are subangular.	▼
			21.84	1.55		End of trial pit at 1.55m	

Water Strikes		Depth: 1.55 Width: 2.10 Length: 3.05	Remarks:
Struck at (m)	Remarks		
1.00	Water infiltrating along peat-clay interface.	Stability: Stable	Termination Reason Terminated at refusal on boulder / possible bedrock.
		Last Updated 05/08/2025	



Project No. 24-0211	Project Name: Kingston Lands, Galway	Trial Pit ID SA05
Coordinates 526633.96 E 724757.29 N	Client: King Construction	
Method: Trial Pitting	Client's Representative: TOBIN / MKO	Sheet 1 of 1 Scale: 1:25
Plant: 29t Tracked Excavator	Elevation 25.50 mOD	Date: 06/06/2025
	Logger: OR	FINAL

RECEIVED: 16/10/2025

Depth (m)	Sample / Tests	Field Records	Level (mOD)	Depth (m)	Legend	Description	Water
			25.00	0.50		MADE GROUND: Soft brown slightly gravelly sandy CLAY with fine roots (0.5-2.0mm). Sand is fine to coarse. Gravel is subrounded fine to coarse of various lithologies, predominantly granite. (Reworked topsoil)	
						Light brownish grey slightly gravelly silty fine to coarse SAND with medium cobble and boulder content. Gravel is angular to subrounded fine to coarse. Cobbles and boulders are angular to subangular.	
			23.95	1.55		End of trial pit at 1.55m	

Water Strikes		Depth: 1.55 Width: 2.10 Length: 3.55	Remarks:
Struck at (m)	Remarks		
		Stability: Stable	Termination Reason Terminated at refusal on boulder / possible bedrock.
			Last Updated 05/08/2025





CAUSEWAY
GEOTECH

Project No.
24-0211

Project Name:
Kingston Lands, Galway

Trial Pit ID

SA06

Coordinates

Client:
King Construction

Method:
Trial Pitting

526584.05 E
724755.56 N

Client's Representative:
TOBIN / MKO

Sheet 1 of 1
Scale: 1:25

Plant:
29t Tracked Excavator

Elevation
25.27 mOD

Date:
06/06/2025

Logger:
OR

FINAL

Depth (m)	Sample / Tests	Field Records	Level (mOD)	Depth (m)	Legend	Description	Water
			25.07	0.20		TOPSOIL with fine roots (0.5-2.0mm).	
						Reddish brown slightly silty gravelly fine to coarse SAND with low cobble content. Gravel is subangular fine to coarse. Cobbles are subangular.	
			24.47	0.80		End of trial pit at 0.80m	

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Water Strikes		Depth: 0.80 Width: 1.60 Length: 2.15	Remarks:
Struck at (m)	Remarks		
		Stability: Stable	Termination Reason Terminated at refusal on boulder / possible bedrock.
		Last Updated 05/08/2025	