

# Digby Bridge Attachment D1-Tier 2 Report

## Appendix C Borehole Information

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# Rotary Core Log

Borehole No.

**MW01**

Sheet 1 of 2

Project Name: Digby Bridge

Project No.  
117838

Co-ords: 686555.04 - 723739.59

Hole Type  
RO

Location: Digby Bridge, Barrettstown, Sallins, Co. Kildare

Level: 86.91

Scale  
1:50

Client: Kildare County Council

Dates: 16/10/2018 - 16/10/2018

Logged By  
Stefan Guthler

Well	Water Strikes	Depth (m)	Type / Fl	Coring			Depth (m)	Level (m)	Legend	Stratum Description	
				TCR	SCR	RQD					
							0.40	86.51		TOPSOIL comprising brown and pale brown gravelly sandy SILT <i>Moist natural ground. No odour. Organic matter in top 0.1m</i>	
										Brown and pale brown very gravelly very sandy SILT. Gravel is subrounded to subangular <i>Dry ground. No odour</i>	1
										<i>Moist natural ground. No odour</i>	2
										<i>Moist natural ground. No odour</i>	3
										<i>Moist natural ground. No odour</i>	4
							4.50	82.41		Brown and brownish red sandy GRAVEL <i>Moist natural ground. No odour</i>	5
										<i>Occasional silt and clay</i>	6
							8.00	78.91		Dark brown slightly gravelly sandy CLAY <i>Low plasticity clay. Moist natural ground. No odour</i>	8
							8.50	78.41		Grey gravelly silty SAND <i>Moist to wet natural ground. No odour</i>	9
							9.50	77.41		Brown slightly sandy slightly gravelly CLAY <i>Moist to wet natural ground</i>	10

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Remarks

Monitoring well. Target depth reached



# Rotary Core Log

Borehole No.

**MW02**

Sheet 1 of 2

Project Name: Digby Bridge

Project No.  
117838

Co-ords: 686764.45 - 723701.44

Hole Type  
RO

Location: Digby Bridge, Barrettstown, Sallins, Co. Kildare

Level: 84.82

Scale  
1:50

Client: Kildare County Council

Dates: 23/10/2018 - 24/10/2018

Logged By  
Stefan Guthler

Well	Water Strikes	Depth (m)	Type / FI	Coring			Depth (m)	Level (m)	Legend	Stratum Description	
				TCR	SCR	RQD					
							1.30	83.52		Brown and brownish grey slightly gravelly SAND <i>Moist natural ground. No odour. Organic matter in top 0.1m</i>	1
							2.50	82.32		Brown and brownish grey SAND <i>Moist natural ground. No odour</i>	2
							5.80	79.02		Brown and brownish grey gravelly SAND <i>Moist natural ground. No odour</i>	3
							6.40	78.42		Pale brown slightly gravelly SAND <i>Moist to wet natural ground. No odour</i>	6
							9.40	75.42		Brown gravelly SAND <i>Moist natural ground. No odour</i>	7
										Brownish grey very sandy GRAVEL <i>Moist natural ground. No odour</i>	8
											9
											10

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## Remarks

Monitoring well. Limestone intercepted. Location of borehole moved due to presence of shallow underground geothermal system



# Rotary Core Log

Borehole No.

**MW03**

Sheet 1 of 2

Project Name: Digby Bridge

Project No.  
117838

Co-ords: 686831.28 - 723650.91

Hole Type  
RO

Location: Digby Bridge, Barrettstown, Sallins, Co. Kildare

Level: 88.63

Scale  
1:50

Client: Kildare County Council

Dates: 22/10/2018 - 23/10/2018

Logged By  
Stefan Guthler

Well	Water Strikes	Depth (m)	Type / Fl	Coring			Depth (m)	Level (m)	Legend	Stratum Description	
				TCR	SCR	RQD					
							0.40	88.23		TOPSOIL comprising brown gravelly silty sand <i>Dry ground. No odour</i>	1
							1.30	87.33		MADE GROUND comprising brown slightly gravelly very silty sand	
							2.50	86.13		MADE GROUND comprising brown very gravelly sand. <i>Moist ground. No odour</i>	
							3.50	85.13		MADE GROUND comprising brown clayey silty sand. <i>Moist ground. No odour</i>	
							4.50	84.13		Pale brown very sandy GRAVEL <i>Moist to wet natural ground. No odour</i>	
										Brown sandy GRAVEL. Gravel is coarse <i>Dry natural ground. No odour</i>	5
											6
											7
											8
											9
											10

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Remarks

Monitoring well. Limestone intercepted



# Rotary Core Log

Borehole No.

## MW03

Sheet 2 of 2

Project Name: Digby Bridge

Project No.
117838

Co-ords: 686831.28 - 723650.91

Hole Type
RO

Location: Digby Bridge, Barrettstown, Sallins, Co. Kildare











Level: 88.63

Scale  
1:50

Client: Kildare County Council

Dates: 22/10/2018 - 23/10/2018

Logged By  
Stefan Guthler

Well	Water Strikes	Depth (m)	Type / FI	Coring			Depth (m)	Level (m)	Legend	Stratum Description	
				TCR	SCR	RQD					
											11
											12
											13
											14
											15
											16
											17
											18
											19
											20

Remarks
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Remarks	Monitoring well. Limestone intercepted
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# Rotary Core Log

Borehole No.

**MW04**

Sheet 1 of 1

Project Name: Digby Bridge

Project No.  
117838

Co-ords: 686895.67 - 723819.73

Hole Type  
RO

Location: Digby Bridge, Barrettstown, Sallins, Co. Kildare

Level: 79.33

Scale  
1:50

Client: Kildare County Council

Dates: 22/10/2018 - 22/10/2018

Logged By  
Stefan Guthler

Well	Water Strikes	Depth (m)	Type / Fl	Coring			Depth (m)	Level (m)	Legend	Stratum Description	
				TCR	SCR	RQD					
										Brown gravelly SAND <i>Moist natural ground. No odour. Organic matter in top 0.1m</i>	1
							2.00	77.33		Brown and brownish grey SAND <i>Moist to wet natural ground. No odour</i>	2
							3.60	75.73		Brownish grey very gravelly SAND <i>Moist to wet natural ground. No odour</i>	4
							4.50	74.83		Brownish grey SAND <i>Moist natural ground. No odour</i>	5
							5.60	73.73		Brown sandy GRAVEL. Gravel is coarse <i>Dry natural ground. No odour</i>	6
							8.30 8.40	71.03 70.93		Pale grey LIMESTONE (Rickardstown Formation) <i>No odour</i>	8
										End of borehole at 8.40 m	9
											10

Remarks

Monitoring well. Limestone intercepted. Static water level measured at 4.8m, ten minutes after drilling

# Rotary Core Log

Borehole No.

**MW05**

Sheet 1 of 1

Project Name: Digby Bridge

Project No.  
117838

Co-ords: 686824.73 - 723837.43

Hole Type  
RO

Location: Digby Bridge, Barrettstown, Sallins, Co. Kildare

Level: 79.76

Scale  
1:50

Client: Kildare County Council

Dates: 19/10/2018 - 19/10/2018

Logged By  
Stefan Guthler

Well	Water Strikes	Depth (m)	Type / Fl	Coring			Depth (m)	Level (m)	Legend	Stratum Description	
				TCR	SCR	RQD					
							0.60	79.16		TOPSOIL comprising brown very sandy silt <i>Moist topsoil. No odour</i>	
							1.70	78.06		MADE GROUND comprising greyish brown sandy gravel <i>Moist to dry made ground. No odour</i>	1
							4.50	75.26		Brown very sandy GRAVEL <i>Moist to dry natural ground. No odour</i>	2
										Brown and greyish brown slightly silty very sandy GRAVEL <i>Wet natural ground. No odour</i>	3
							7.70	72.06		Gravelly sandy CLAY <i>No odour</i>	4
							8.00	71.76		Slightly clayey SAND <i>Boulder clay component. Moist natural ground. No odour</i>	5
							9.40	70.36		End of borehole at 9.40 m	6

Remarks

Monitoring well. Limestone intercepted

# Rotary Core Log

Borehole No.

**MW06**

Sheet 1 of 1

Project Name: Digby Bridge

Project No.  
117838

Co-ords: 686781.98 - 723903.92

Hole Type  
RO

Location: Digby Bridge, Barrettstown, Sallins, Co. Kildare

Level: 78.84

Scale  
1:50

Client: Kildare County Council

Dates: 18/10/2018 - 18/10/2018

Logged By  
Stefan Guthler

Well	Water Strikes	Depth (m)	Type / Fl	Coring			Depth (m)	Level (m)	Legend	Stratum Description	
				TCR	SCR	RQD					
							0.50	78.34		TOPSOIL comprising brown slightly gravelly silty sand <i>Moist topsoil. Rare plastic. No odour</i>	
										MADE GROUND comprising brown gravelly sand <i>Moist to dry made ground. No odour</i>	1
							1.50	77.34		Sandy GRAVEL <i>No odour</i>	
							1.80	77.04		GRAVEL. Coarse gravel <i>No odour</i>	2
							2.10	76.74		Brown and dark brown slightly silty very sandy GRAVEL <i>Moist natural ground. No odour</i>	3
											4
											5
											6
							6.90	71.94		Dark brown slightly gravelly very sandy silty CLAY <i>Moist natural ground. No odour</i>	7
											8
							8.60	70.24		Greyish brown sandy GRAVEL <i>Boulder. No odour</i>	
							9.00	69.84		<i>Weathered limestone source. Wet natural ground. No odour</i>	9
							9.10	69.74		LIMESTONE bedrock (Rickardstown Formation) <i>No odour</i>	
										End of borehole at 9.10 m	10

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## Remarks

Monitoring well. Limestone intercepted. Artesian groundwater noted at the end of drilling. Bentonite fill to 7.2m - 18/10/2018. Bentonite swell to 7.1m - 19/10/2018. Static water level after drilling - 6.3m. Static water level next day - 4.4m

# Rotary Core Log

Borehole No.

**MW07**

Sheet 1 of 2

Project Name: Digby Bridge

Project No.  
117838

Co-ords: 686654.51 - 723941.85

Hole Type  
RO

Location: Digby Bridge, Barretstown, Sallins, Co. Kildare

Level: 83.52

Scale  
1:50

Client: Kildare County Council

Dates: 17/10/2018 - 18/10/2018

Logged By  
Stefan Guthler

Well	Water Strikes	Depth (m)	Type / Fl	Coring			Depth (m)	Level (m)	Legend	Stratum Description	
				TCR	SCR	RQD					
							2.00	81.52		Brown slightly silty very gravelly SAND. Gravel is subrounded to angular <i>Moist natural ground. Organic material. No odour</i>	1
							4.00	79.52		Brown slightly gravelly sandy SILT <i>Moist natural ground. No odour</i>	2
										Brown and brownish grey sandy GRAVEL <i>Moist natural ground. No odour</i>	4
							9.70	73.82		Brownish grey gravelly sandy CLAY <i>Boulder clay. Dry to moist natural ground. No odour</i>	10

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Remarks

Monitoring well. Target depth reached. Static water level on 18/10/2018 - 11.0m

Continued on next sheet

# Rotary Core Log

Borehole No.

**MW07**

Sheet 2 of 2

Project Name: Digby Bridge

Project No.  
117838

Co-ords: 686654.51 - 723941.85

Hole Type  
RO

Location: Digby Bridge, Barrettstown, Sallins, Co. Kildare


Level: 83.52

Scale  
1:50

Client: Kildare County Council

Dates: 17/10/2018 - 18/10/2018

Logged By  
Stefan Guthler

Well	Water Strikes	Depth (m)	Type / FI	Coring			Depth (m)	Level (m)	Legend	Stratum Description	
				TCR	SCR	RQD					
							12.00	71.52			11
										End of borehole at 12.00 m	12
											13
											14
											15
											16
											17
											18
											19
											20

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Remarks  
Monitoring well. Target depth reached. Static water level on 18/10/2018 - 11.0m

# Rotary Core Log

Borehole No.

**MW08**

Sheet 1 of 2

Project Name: Digby Bridge

Project No.  
117838

Co-ords: 686570.85 - 723974.91

Hole Type  
RO

Location: Digby Bridge, Barrettstown, Sallins, Co. Kildare

Level: 82.74

Scale  
1:50

Client: Kildare County Council

Dates: 19/10/2018 - 19/10/2018

Logged By  
Michel Deuse

Well	Water Strikes	Depth (m)	Type / Fl	Coring			Depth (m)	Level (m)	Legend	Stratum Description	
				TCR	SCR	RQD					
							0.45	82.29		TOPSOIL comprising brown sandy clay <i>No odour</i>	
							1.40	81.34		MADE GROUND comprising brown sandy clay <i>No odour</i>	1
							2.70	80.04		MADE GROUND comprising brown sandy clay <i>Moist to dry made ground. Rare pieces of plastic - not related to waste body. No odour</i>	2
							4.60	78.14		MADE GROUND comprising brown sandy gravel <i>Rare pieces of plastic - not related to waste body. No odour</i>	3
							9.80	72.94		Brown sandy GRAVEL <i>No odour</i>	4
										LIMESTONE (Rickardstown Formation)	5
										Continued on next sheet	6
											7
											8
											9
											10

Remarks

Monitoring well. Limestone intercepted. Static water level - 10.6m

# Rotary Core Log

Borehole No.

**MW08**

Sheet 2 of 2

Project Name: Digby Bridge

Project No.  
117838

Co-ords: 686570.85 - 723974.91

Hole Type  
RO

Location: Digby Bridge, Barrettstown, Sallins, Co. Kildare

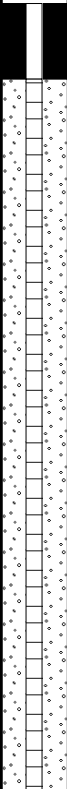
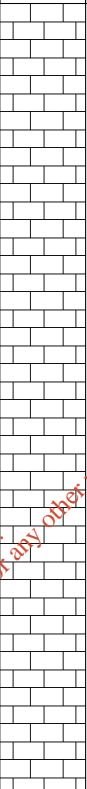
Level: 82.74

Scale  
1:50

Client: Kildare County Council

Dates: 19/10/2018 - 19/10/2018

Logged By  
Michel Deuse

Well	Water Strikes	Depth (m)	Type / Fl	Coring			Depth (m)	Level (m)	Legend	Stratum Description	
				TCR	SCR	RQD					
							15.20	67.54		No odour	11
											12
											13
											14
											15
											16
											17
											18
											19
											20

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End of borehole at 15.20 m

Remarks  
Monitoring well. Limestone intercepted. Static water level - 10.6m



# Rotary Core Log

Borehole No.

**MW08A**

Sheet 1 of 1

Project Name: Digby Bridge

Project No.  
117838

Co-ords: 686568.53 - 723976.63

Hole Type  
RO

Location: Digby Bridge, Barrettstown, Sallins, Co. Kildare

Level: 82.62

Scale  
1:50

Client: Kildare County Council

Dates: 16/10/2018 - 16/10/2018

Logged By  
Michel Deuse

Well	Water Strikes	Depth (m)	Type / Fl	Coring			Depth (m)	Level (m)	Legend	Stratum Description	
				TCR	SCR	RQD					
							0.40	82.22		TOPSOIL comprising brown sandy clay <i>No odour</i>	
							1.80	80.82		MADEGROUND comprising slightly silty sandy gravel <i>Rare pieces of plastic. No odour</i>	1
							4.50	78.12		Slightly gravelly SAND <i>No odour</i>	2
							5.50	77.12		Sandy GRAVEL <i>Moist to dry natural ground. No odour</i>	3
										End of borehole at 5.50 m	4
											5
											6
											7
											8
											9
											10

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Remarks  
Gas well. Target depth reached



# Rotary Core Log

Borehole No.

**MW09**

Sheet 1 of 1

Project Name: Digby Bridge

Project No.  
117838

Co-ords: 686585.07 - 723829.34

Hole Type  
RO

Location: Digby Bridge, Barrettstown, Sallins, Co. Kildare

Level: 86.96

Scale  
1:50

Client: Kildare County Council

Dates: 06/11/2018 - 06/11/2018

Logged By  
Colin Fitzgerald

Well	Water Strikes	Depth (m)	Type / Fl	Coring			Depth (m)	Level (m)	Legend	Stratum Description	
				TCR	SCR	RQD					
							0.80	86.16		TOPSOIL composing soft low strength low plasticity brown gravelly clay. Gravel is rounded to angular fine and medium <i>Damp topsoil. No odour</i>	
							1.80	85.16		MADE GROUND composing medium dense brown and grey silty sandy rounded to angular fine and medium gravel. Sand is fine to coarse <i>Loose and damp made ground. Slight decomposing odour</i>	1
							3.00	83.96		LANDFILL comprising 40% unidentified organic material, 10% paper, 10% timber, 10% cotton, 30% matrix of dark brown and black silty sandy rounded to angular fine and medium GRAVEL. Sand is fine to coarse grained <i>Loose and damp waste. Strong sweet and pungent odour</i>	2
										LANDFILL comprising 40% unidentified organic material, 10% paper, 10% timber, 10% cotton, 30% matrix of dark brown and black silty sandy organic rounded to angular fine and medium GRAVEL. Sand is fine to coarse grained <i>Loose and damp waste. Slight sweet and pungent odour</i>	3
							5.80	81.16		MADE GROUND composing grey clayey sandy rounded to angular fine and medium gravel. Fine to coarse grained sand. Low plasticity and non-cohesive clay <i>Damp made ground. No odour</i>	4
							6.20	80.76		LANDFILL composing 40% unidentified organic material, 10% paper, 10% timber, 10% cotton, 30% matrix of dark brown and black silty sandy rounded to angular fine and medium GRAVEL. Fine to coarse grained sand <i>Loose and damp waste. No odour</i>	5
							6.80	80.16			
							7.00	79.96			
							7.10	79.86			
							7.80	79.16		Brown and grey silty sandy rounded to angular fine and medium GRAVEL. Sand is fine to coarse <i>Loose slightly damp and almost dry natural ground. No odour</i>	6
										Brown gravelly silty fine SAND. Gravel is rounded to angular fine and medium <i>Loose and damp natural ground. No odour</i>	7
										Medium dense pale brown and grey silty sandy rounded to angular fine and medium GRAVEL. Sand is fine to coarse. Clasts of extremely angular limestone present <i>Loose and damp natural ground. No odour</i>	8
										End of borehole at 7.80 m	9
											10

## Remarks

Leachate well. Base of waste body established. Probed far enough to confirm that the sand and gravels are not lenses within the waste. Angular limestone could indicate proximity to bedrock

# Rotary Core Log

Borehole No.

**MW10**

Sheet 1 of 1

Project Name: Digby Bridge

Project No.  
117838

Co-ords: 686574.74 - 723883.59

Hole Type  
RO

Location: Digby Bridge, Barretstown, Sallins, Co. Kildare

Level: 86.01

Scale  
1:50

Client: Kildare County Council

Dates: 05/11/2018 - 05/11/2018

Logged By  
Colin Fitzgerald

Well	Water Strikes	Depth (m)	Type / Fl	Coring			Depth (m)	Level (m)	Legend	Stratum Description	
				TCR	SCR	RQD					
							0.40	85.61		TOPSOIL composing soft low strength low plasticity brown sandy gravelly clay <i>Damp made ground. No odour</i>	
							1.00	85.01		MADE GROUND composing soft low strength low plasticity brown sandy gravelly clay. Sand is medium to coarse grained. Gravel is rounded to angular fine and medium <i>Damp made ground. No odour</i>	1
							2.40	83.61		MADE GROUND composing soft low strength low plasticity brown and grey sandy gravelly clay. Sand is fine to medium grained. Gravel is rounded to angular fine and medium <i>Damp made ground. No odour</i>	2
							3.00	83.01		LANDFILL composing 50% black plastic, 40% timber mulch, 10% paper <i>Loose and damp waste. No odour</i>	3
							4.50	81.51		LANDFILL composing 30% timber mulch, 15% plastic, 5% paper, 50% matrix of black sandy rounded to angular fine and medium gravel. Sand is medium to coarse grained <i>Loose and damp waste. Slight decomposing odour</i>	4
										LANDFILL composing 40% unidentified organic matter, 20% timber mulch, 20% plastic, 10% paper, 10% matrix of black and grey medium to coarse sand <i>Loose and damp waste. Organic matter similar to texture of compost. No odour</i> <i>Obstruction causing slow penetration. Likely timber due to timber fragments found in spoil</i>	5
							7.10	78.91		Grey clayey sandy rounded to subangular fine and medium GRAVEL. Sand is medium to coarse <i>Loose and damp natural ground. No odour</i>	7
							8.00	78.01		End of borehole at 8.00 m	8
											9
											10

## Remarks

Leachate well. Base of waste body established. Probed far enough to confirm that the gravel is not a lense within the waste

# Rotary Core Log

Borehole No.

**MW11**

Sheet 1 of 1

Project Name: Digby Bridge

Project No.  
117838

Co-ords: 686554.23 - 723944.80

Hole Type  
RO

Location: Digby Bridge, Barretstown, Sallins, Co. Kildare

Level: 84.69

Scale  
1:50

Client: Kildare County Council

Dates: 02/11/2018 - 02/11/2018

Logged By  
Colin Fitzgerald

Well	Water Strikes	Depth (m)	Type / FI	Coring			Depth (m)	Level (m)	Legend	Stratum Description	
				TCR	SCR	RQD					
							0.30	84.39		TOPSOIL composing brown and grey sandy rounded to angular fine and medium gravel. Sand is medium to coarse	
							0.50	84.19		<i>Loose and dry topsoil. No odour</i>	
							1.50	83.19		LANDFILL composing 100% pale yellow fragmented newspaper	1
										<i>Loose and damp waste. No odour</i>	
										LANDFILL composing 40% unidentified organic matter, 10% newspaper, 5% plastic, 45% matrix of dark brown and dark grey silty rounded to angular fine and medium gravel	
										<i>Loose and damp waste. Organic matter similar to texture of compost. Decomposing odour</i>	
							2.70	81.99		LANDFILL composing 25% organic matter, 20% plastic, 10% newspaper and paper, 45% matrix of dark brown and dark grey sandy rounded to angular fine and medium gravel. Sand is medium to coarse	2
										<i>Loose and damp waste. Decomposing odour</i>	
										Dark grey and pale grey sandy rounded to angular fine and medium GRAVEL. Sand is medium to coarse	
							3.30	81.39		<i>Loose and damp natural ground. No odour</i>	3
3.70	80.99		Grey medium to coarse SAND								
			<i>Loose and damp natural ground. Decomposing odour</i>								
5.00	79.69		Dark grey and pale grey sandy rounded to angular fine and medium GRAVEL. Sand is medium to coarse	4							
			<i>Loose and damp natural ground. No odour</i>								
										5	
									End of borehole at 5.00 m		6
											7
											8
											9
											10

## Remarks

Leachate well. Base of waste body established. Probed far enough to confirm that the sand and gravels are not lenses within the waste

# Rotary Core Log

Borehole No.

**MW12**

Sheet 1 of 1

Project Name: Digby Bridge

Project No.  
117838

Co-ords: 686717.38 - 723878.33

Hole Type  
RO

Location: Digby Bridge, Barretstown, Sallins, Co. Kildare

Level: 84.04

Scale  
1:50

Client: Kildare County Council

Dates: 01/11/2018 - 01/11/2018

Logged By  
Colin Fitzgerald

Well	Water Strikes	Depth (m)	Type / Fl	Coring			Depth (m)	Level (m)	Legend	Stratum Description	
				TCR	SCR	RQD					
							0.90	83.14		<p>TOPSOIL composing brown silty gravelly fine grained sand. Gravel is rounded to angular fine and medium</p> <p><i>Loose and damp capping. No odour</i></p>	
							1.80	82.24		<p>LANDFILL composing 80% dark brown and black unidentified organic matter, 20% dark plastic</p> <p><i>Loose and damp waste. Decomposing odour</i></p>	1
							2.20	81.84		<p>MADEGROUND composing brown silty gravelly medium to coarse sand. Gravel is rounded to angular fine and medium</p> <p><i>Loose and damp sand lense. No odour</i></p>	2
										<p>LANDFILL composing 50% unidentified organic matter, 10% plastic, 40% matrix of dark grey black brown sandy angular fine and medium gravel. Sand is coarse grained</p> <p><i>Loose and damp waste. Slight decomposing odour</i></p>	3
											4
											5
							6.40	77.64			6
										<p>Brown sandy rounded to angular fine and medium GRAVEL. Sand is coarse</p> <p><i>Loose and damp natural ground. No odour</i></p>	7
							7.30	76.74		<p>Grey and white rounded to subangular fine and coarse GRAVEL of limestone origin</p> <p><i>Loose and dry natural ground. Gravel is likely directly overlying bedrock. No odour</i></p> <p>End of borehole at 7.50 m</p>	
							7.50	76.54			8
											9
											10

## Remarks

Leachate well. Base of waste body established. Probed far enough to confirm that the gravels are not lenses within the waste

# Rotary Core Log

Borehole No.

**MW13**

Sheet 1 of 1

Project Name: Digby Bridge

Project No.  
117838

Co-ords: 686720.34 - 723903.43

Hole Type  
RO

Location: Digby Bridge, Barretstown, Sallins, Co. Kildare

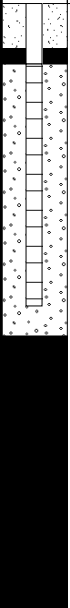

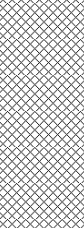
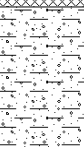
Level: 83.57

Scale  
1:50

Client: Kildare County Council

Dates: 02/11/2018 - 02/11/2018

Logged By  
Colin Fitzgerald

Well	Water Strikes	Depth (m)	Type / Fl	Coring			Depth (m)	Level (m)	Legend	Stratum Description	
				TCR	SCR	RQD					
							0.40	83.17		TOPSOIL composing brown silty gravelly medium to coarse sand. Gravel is rounded to angular fine and medium <i>Loose and damp topsoil. No odour</i>	1
							2.00	81.57		LANDFILL composing 10% dark plastic and occasional organic matter, 90% matrix of brown and black silty sandy rounded to angular fine and medium gravel. Sand is medium to coarse grained <i>Loose and damp waste . Decomposing odour</i>	
										Soft low strength low plasticity brown silty sandy gravelly CLAY. Sand is fine to medium. Gravel is angular fine and medium <i>Damp natural ground. Slight decomposing odour but could be ambient from previous upper layer</i>	2
										3.00	
							4.00	79.52	End of borehole at 4.00 m		4
											5
											6
											7
											8
											9
											10

Remarks

Leachate well. Hole likely located at the edge of the waste body. Base of waste body established. Probed far enough to confirm that the clay and gravel are not lenses within the waste.

# Rotary Core Log

Borehole No.

**MW14**

Sheet 1 of 1

Project Name: Digby Bridge

Project No.  
117838

Co-ords: 686773.88 - 723747.30

Hole Type  
RO

Location: Digby Bridge, Barretstown, Sallins, Co. Kildare

Level: 85.17

Scale  
1:50

Client: Kildare County Council

Dates: 25/10/2018 - 30/10/2018

Logged By  
Colin Fitzgerald

Well	Water Strikes	Depth (m)	Type / FI	Coring			Depth (m)	Level (m)	Legend	Stratum Description	
				TCR	SCR	RQD					
							0.40	84.77		<p>TOPSOIL composing brown slightly gravelly silty sand</p> <p><i>Rare plastic pieces. No odour</i></p>	
										<p>LANDFILL composing 70% black and white plastic, 10% organic material and timber, 10% fabric, 10% matrix of black gravelly sand</p> <p><i>Moist and mouldy waste. Decomposing odour</i></p>	1
											2
							3.30	81.87		<p>Brown gravelly SAND</p> <p><i>Moist sand lense. No odour</i></p>	3
							3.80	81.37			
							4.40	80.77		<p>LANDFILL composing 45% dark plastic, 45% dark organic material and timber, 10% matrix of grey and black gravelly sand</p> <p><i>Moist and mouldy waste. Decomposing odour</i></p>	4
										<p>LANDFILL composing organic material, fabric, plastic, matrix of brown slightly gravelly sand</p> <p><i>Loose and damp waste. No odour</i></p> <p><i>Timber obstruction requiring 0.5 hours of drilling</i></p> <p><i>Loose and damp waste. No odour</i></p>	5
							6.20	78.97		<p>LANDFILL composing 70% dark plastic, 30% matrix of black and dark grey fine to coarse sand</p> <p><i>Loose and dry waste. Poor return with few identifiable features. No odour</i></p>	6
											7
							7.90	77.27		<p>Dark brown and dark grey bouldery gravelly fine to coarse grained SAND. Gravel is rounded to subangular fine and medium</p> <p><i>Loose and slightly damp natural ground. Poor return with few identifiable features. No odour</i></p>	8
											9
							10.00	75.17		<p>Limestone boulder</p>	10
										End of borehole at 10.00 m	

## Remarks

Leachate well. Base of waste body established. Probed far enough to confirm that the sand is not a lense within the waste. Back end of hammer breaks at 6.2m, hole continued after repair five days later.



# Rotary Core Log

Borehole No.

**MW15**

Sheet 1 of 1

Project Name: Digby Bridge

Project No.  
117838

Co-ords: 686793.17 - 723799.75

Hole Type  
RO

Location: Digby Bridge, Barretstown, Sallins, Co. Kildare

Level: 83.83

Scale  
1:50

Client: Kildare County Council

Dates: 01/11/2018 - 01/11/2018

Logged By  
Colin Fitzgerald

Well	Water Strikes	Depth (m)	Type / FI	Coring			Depth (m)	Level (m)	Legend	Stratum Description	
				TCR	SCR	RQD					
							0.90	82.93		<p>TOPSOIL composing brown silty gravelly fine grained sand. Gravel is rounded to angular fine and medium <i>Loose and damp capping. No odour</i></p>	
							2.00	81.83		<p>LANDFILL composing 40% shredded dark plastic, 60% matrix of dark sandy silty organic matter. Sand is fine <i>Loose and damp waste. Damper material in comparison to MW14 and MW16. Slight decomposing odour</i></p>	1
							2.40	81.43		<p>Brown and dark brown fine to coarse SAND <i>Loose and damp sand lense. No odour</i></p>	2
										<p>LANDFILL composing 30% fibre glass insulation, 10% plastic., 60% matrix of brown and pale brown sandy silty organic matter. Sand is fine <i>Damp and loose waste. Damper material in comparison to MW14 and MW16. Fibre glass insulation looks similar to asbestos. Slight decomposing odour</i></p>	3
							4.20	79.63		<p>Timber obstruction</p>	4
										<p>Timber obstruction</p>	5
							6.50	77.33		<p>LANDFILL composing 40% fibre glass insulation, 10% plastic, 50% matrix of brown and pale brown silty organic matter <i>Loose and damp waste. Slight decomposing odour</i></p>	6
							7.50	76.33		<p>Brown sandy rounded to angular fine and medium GRAVEL. Sand is medium and coarse <i>Loose and dry natural ground. No odour</i></p>	7
										End of borehole at 7.50 m	8
											9
											10

Remarks

Leachate well. Base of waste body established. Probed far enough to confirm that the gravel is not a lense within the waste

# Rotary Core Log

Borehole No.

**MW16**

Sheet 1 of 1

Project Name: Digby Bridge

Project No.  
117838

Co-ords: 686840.68 - 723692.94

Hole Type  
RO

Location: Digby Bridge, Barrettstown, Sallins, Co. Kildare

Level: 85.10

Scale  
1:50

Client: Kildare County Council

Dates: 31/10/2018 - 31/10/2018

Logged By  
Colin Fitzgerald

Well	Water Strikes	Depth (m)	Type / Fl	Coring			Depth (m)	Level (m)	Legend	Stratum Description	
				TCR	SCR	RQD					
							0.30	84.80		TOPSOIL composing brown slightly gravelly silty sand <i>Loose and damp capping. No odour</i>	
							1.50	83.60		MADE GROUND composing brown silty gravelly fine grained sand. Gravel is rounded to angular fine and medium <i>Loose and damp capping. No odour</i>	1
							4.20	80.90		LANDFILL composing 15% timber, 10% plastic, 5% glass and brick, 70% matrix of black and dark brown sandy subrounded to angular fine and medium gravel. Sand is coarse <i>Loose and damp waste. Decomposing odour</i>	2
										<i>Timber obstruction</i>	3
										LANDFILL composing black brown and white 40% plastic, 40% paper, 20% unidentified organic matter <i>Loose and dry waste. Unidentified organic matter similar in nature to compost</i> <i>Burnt wood odour from intercepting timber</i> <i>Timber obstruction</i>	4
							6.00	79.10		<i>Timber obstruction</i>	5
							7.60	77.50		LANDFILL composing dark brown pale brown and white 70% timber, 20% unidentified organic matter, 5% plastic, 5% paper <i>Loose and damp waste</i>	6
							9.00	76.10		Brown sandy rounded to angular fine and medium GRAVEL. Sand is medium to coarse <i>Loose and damp natural ground. No odour</i>	7
										End of borehole at 9.00 m	8
											9
											10

## Remarks

Leachate well. Base of waste body established. Probed far enough to confirm that the gravel is not a lense within the waste



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**Date:** 23/10/2018

**Filename:**

01\_MW02\_20181023\_145746.jpg

**Location:**

Digby Bridge, Aghpaudeen,  
County Kildare

**Photo Description:**

Drill rig approaching MW02



**CDM  
Smith**

**Date:** 15/10/2018

**Filename:**

02\_MW08\_20181015\_143324.jpg

**Location:**

Digby Bridge, Aghpaudeen,  
County Kildare

**Photo Description:**

Drill rig setting up at MW08



**CDM  
Smith**



**Date:** 22/10/2018

**Filename:**

03\_MW04\_20181022\_103500.jpg

**Location:**

Digby Bridge, Aghpaudeen,  
County Kildare

**Photo Description:**

Drill rig setting up at MW04



**CDM  
Smith**

**Date:** 19/10/2018

**Filename:**

04\_MW06\_20181019\_080457.jpg

**Location:**

Digby Bridge, Aghpaudeen,  
County Kildare

**Photo Description:**

Drill rig set up at MW06



**CDM  
Smith**

**Date:** 24/10/2018

**Filename:**

05\_MW14\_20181024\_161909.jpg

**Location:**

Digby Bridge, Aghpaudeen,  
County Kildare

**Photo Description:**

Device used for collaring hole –  
prevents collapse at surface





**Date:** 30/10/2018

**Filename:**

06\_MW16\_20181030\_155254.jpg

**Location:**

Digby Bridge, Aghpaudeen,  
County Kildare

**Photo Description:**

Plastic sheeting used to protect  
vegetation and soil at leachate  
boreholes. Prior to drilling

**CDM  
Smith**



**Date:** 25/10/2018

**Filename:**

07\_MW14\_20181025\_090543.jpg

**Location:**

Digby Bridge, Aghpaudeen,  
County Kildare

**Photo Description:**

Heras fencing and plastic sheeting  
used to protect vegetation and  
soil at leachate boreholes. Prior  
to drilling

**CDM  
Smith**





**Date:** 25/10/2018

**Filename:**

08\_MW14\_20181025\_090612.jpg

**Location:**

Digby Bridge, Aghpaudeen,  
County Kildare

**Photo Description:**

Heras fencing and plastic sheeting  
used to protect vegetation and  
soil at leachate boreholes. Prior  
to drilling

**CDM  
Smith**



**Date:** 25/10/2018

**Filename:**

09\_MW14\_20181025\_141704.jpg

**Location:**

Digby Bridge, Aghpaudeen,  
County Kildare

**Photo Description:**

Heras fencing and plastic sheeting  
used to protect vegetation and  
soil at leachate boreholes.  
Finished drilling

**CDM  
Smith**





**Date:** 23/10/2018

**Filename:**

10\_MW01\_20181023\_113740.jpg

**Location:**

Digby Bridge, Aghpaudeen,  
County Kildare

**Photo Description:**

50mm diameter slotted (1mm)  
and solid casing used in  
monitoring well installations

**CDM  
Smith**



**Date:** 19/10/2018

**Filename:**

11\_MW01\_20181019\_141339.jpg

**Location:**

Digby Bridge, Aghpaudeen,  
County Kildare

**Photo Description:**

Pea gravel used for the annulus in  
monitoring well installations

**CDM  
Smith**





**Date:** 19/10/2018

**Filename:**

12\_MW01\_20181019\_141447.jpg

**Location:**

Digby Bridge, Aghpaudeen,  
County Kildare

**Photo Description:**

Bentonite pellets used for the  
annulus in monitoring well  
installations

**CDM  
Smith**



**Date:** 16/10/2018

**Filename:**

13\_MW08\_20181016\_110903.jpg

**Location:**

Digby Bridge, Aghpaudeen,  
County Kildare

**Photo Description:**

MW08 post well installation

**CDM  
Smith**





**Date:** 30/10/2018

**Filename:**

14\_MW14\_20181030\_155428.jpg

**Location:**

Digby Bridge, Aghpaudeen,  
County Kildare

**Photo Description:**

Clean-up of MW14 following  
drilling

**CDM  
Smith**



**Date:** 17/10/2018

**Filename:**

15\_MW01\_20181017\_142654.jpg

**Location:**

Digby Bridge, Aghpaudeen,  
County Kildare

**Photo Description:**

MW01 headworks prior to  
emplacement of concrete plinth

**CDM  
Smith**





**Date:** 26/10/2018

**Filename:**

16\_MW08\_20181026\_124335.jpg

**Location:**

Digby Bridge, Aghpaudeen,  
County Kildare

**Photo Description:**

Preparing MW08 for  
emplacement of concrete plinth

**CDM  
Smith**



**Date:** 09/11/2018

**Filename:**

17\_MW9\_20181109\_142521.jpg

**Location:**

Digby Bridge, Aghpaudeen,  
County Kildare

**Photo Description:**

MW09 concrete plinth

**CDM  
Smith**





**Date:** 09/11/2018

**Filename:**

18\_MW12\_20181109\_143022.jpg

**Location:**

Digby Bridge, Aghpaudeen,  
County Kildare

**Photo Description:**

MW12 concrete plinth

**CDM  
Smith**



**Date:** 09/11/2018

**Filename:**

19\_MW13\_20181109\_143043.jpg

**Location:**

Digby Bridge, Aghpaudeen,  
County Kildare

**Photo Description:**

MW13 concrete plinth

**CDM  
Smith**



**Date:** 09/11/2018

**Filename:**

20\_MW15\_20181109\_143358.jpg

**Location:**

Digby Bridge, Aghpaudeen,  
County Kildare

**Photo Description:**

MW15 concrete plinth:



**CDM  
Smith**

**Date:** 24/10/2018

**Filename:**

21\_MW02\_20181024\_150443.jpg

**Location:**

Digby Bridge, Aghpaudeen,  
County Kildare

**Photo Description:**

Well headworks at MW02  
following reinstatement



**CDM  
Smith**



**Date:** 09/11/2018

**Filename:**

22\_MW11\_20181109\_142613.jpg

**Location:**

Digby Bridge, Aghpaudeen,  
County Kildare

**Photo Description:**

Well headworks at MW11  
following reinstatement:

**CDM  
Smith**



**Date:** 19/10/2018

**Filename:**

23\_MW06\_20181019\_080355.jpg

**Location:**

Digby Bridge, Aghpaudeen,  
County Kildare

**Photo Description:**

Drill rig set up for MW06

**CDM  
Smith**

