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Number: TP01	Project Scotch Corner Landfill Project No P18175 Engineer Fehily Timoney & Company	
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Number:

TP01

**Project
Project No
Engineer**

Scotch Corner Landfill
P18175
Fehily Timoney & Company



Priority Geotechnical Ltd.
 Tel: 021 4631600
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 www.prioritygeotechnical.ie

Trial Pit No
TP02
 Sheet 1 of 1

Project Name: Scotch Corner Landfill **Project No.:** P18175 **Co-ords:** 275075E - 325378N
Level: 125.80m OD **Date:** 21/09/2018

Location: Castleblaney, Co. Monaghan **Dimensions (m):** 3.20

Client: Monaghan County Council **Depth:** 4.70m BGL **Scale:** 1:25
Logged PH

Water Strike & Backfill	Samples & In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description
	Depth (m)	Type	Results				
▼				0.30	125.50		(TOPSOIL) Brown, SILT.
							(MADE GROUND) PEAT
				2.50	123.30		(MADE GROUND) Grey brown, slightly sandy gravelly CLAY. Sand is fine to coarse. Gravel is fine to coarse, sub-angular to sub-rounded.
				3.80	122.00		(MADE GROUND) Landfill material. Plastic, glass and cables.
				4.70	121.10		End of Pit at 4.700m

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Stability: Good. **Groundwater:** 3.60m: Steady flow rate.
Plant: 13t tracked excavator.
Backfill: Arisings.

Remarks: TP02 terminated at 4.7m bgl, maximum reach of excavator.



Number:

TP02

**Project
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Scotch Corner Landfill
P18175
Fehily Timoney & Company



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TP02

Project
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Trial Pit No
TP03
 Sheet 1 of 1

Project Name: Scotch Corner Landfill **Project No.:** P18175 **Co-ords:** 275052E - 325349N
Level: 125.63m OD **Date:** 21/09/2018

Location: Castleblaney, Co. Monaghan **Dimensions (m):** **Scale:** 1:25

Client: Monaghan County Council **Depth:** 1.10m BGL **Logged PH**

Water Strike & Backfill	Samples & In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description
	Depth (m)	Type	Results				
				0.70	124.93		Brown grey, slightly clayey slightly sandy GRAVEL with high cobble content. Sand is fine to coarse. Gravel is fine to coarse, angular to sub-angular. Cobbles are angular to sub-angular, 63-200mm dia.
				1.10	124.53		Blue grey, slightly clayey sandy GRAVEL with low cobble content. Sand is fine to coarse. Gravel is fine to coarse, angular to sub-angular. Cobbles are angular to sub-angular, 63-200mm dia.
							End of Pit at 1.100m

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Stability: Good. **Groundwater:** 0.7m: Fast flow rate.
Plant: 13t tracked excavator.
Backfill: Arisings.

Remarks: TP03 terminated at 1.1m bgl, assumed bedrock.



Number:

TP03

Project
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Scotch Corner Landfill
P18175
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Trial Pit No
TP04
 Sheet 1 of 1

Project Name: Scotch Corner Landfill **Project No.:** P18175 **Co-ords:** 275154E - 325360N
Level: 123.52m OD **Date:** 21/09/2018

Location: Castleblaney, Co. Monaghan **Dimensions (m):** 2.90

Client: Monaghan County Council **Depth:** 4.50m BGL **Scale:** 1:25
Logged PH

Water Strike & Backfill	Samples & In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description
	Depth (m)	Type	Results				
				0.10	123.42		(TOPSOIL)
							(MADE GROUND) Grey brown, slightly sandy gravelly CLAY. Sand is fine to coarse. Gravel is fine to coarse, sub-angular to sub-rounded.
				1.10	122.42		(MADE GROUND) Landfill material. Plastic, metal, cables and glass. Strong odour noted.
				4.30	119.22		
			4.50	119.02			End of Pit at 4.500m

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Stability: Good. **Groundwater:** 3.5m: Fast flow rate.
Plant: 13t tracked excavator.
Backfill: Arisings.

Remarks: TP04 terminated at 4.5m bgl, required depth.



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Number:

TP04

**Project
Project No
Engineer**

Scotch Corner Landfill
P18175
Fehily Timoney & Company



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Number:

TP04

**Project
Project No
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Trial Pit No
TP05
 Sheet 1 of 1

Project Name: Scotch Corner Landfill **Project No.:** P18175 **Co-ords:** 275196E - 325344N
Level: 124.60m OD **Date:** 21/09/2018

Location: Castleblaney, Co. Monaghan **Dimensions (m):** 1.10 x 3.00

Client: Monaghan County Council **Depth:** 3.10m BGL **Logged PH**

Water Strike & Backfill	Samples & In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description
	Depth (m)	Type	Results				
	0.10			0.10	124.50		(MADE GROUND) Grey, sandy GRAVEL.
	0.90			0.90	123.70		(MADE GROUND) Brown grey, slightly sandy gravelly CLAY. Sand is fine to coarse. Gravel is fine to coarse, sub-angular to sub-rounded.
	3.10			3.10	121.50		(MADE GROUND) Landfill material. Cement blocks, glass, cables and plastic.
							End of Pit at 3.100m

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Stability: Good. **Groundwater:** 2.6m: Steady flow rate.
Plant: 13t tracked excator.
Backfill: Arisings.

Remarks: TP05 terminated at 3.1m bgl, boulder/ bedrock obstruction.



Number:

TP05

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TP05

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Trial Pit No
TP06
 Sheet 1 of 1

Project Name: Scotch Corner Landfill **Project No.:** P18175 **Co-ords:** 275092E - 325300N
Level: 125.45m OD **Date:** 20/09/2018

Location: Castleblaney, Co. Monaghan **Dimensions (m):** 1.10 x 2.90

Client: Monaghan County Council **Depth:** 2.50m BGL **Scale:** 1:25
Logged: PH

Water Strike & Backfill	Samples & In Situ Testing			Depth (m)	Level (m OD)	Legend	Stratum Description	
	Depth (m)	Type	Results					
▼				0.10	125.35		(TOPSOIL)	
				1.00	124.45		(MADE GRUND) Blue grey, sandy GRAVEL with high cobble content and low boulder content. Sand is fine to coarse. Gravel is fine to coarse, angular to sub-angular. Cobbles are angular to sub-angular, 63-200mm dia. Boulders are angular to sub-angular, 200-300mm dia.	1
				1.90	123.55		(MADE GRUND) Landfill material. Plastic, timber and glass.	
				2.10	123.35		Brown, SILT with roots. (Possible old Topsoil layer)	2
				2.50	122.95		Grey, slightly sandy gravelly CLAY. Sand is fine to coarse. Gravel is fine to coarse, sub-angular to sub-rounded.	3
						End of Pit at 2.500m	4	
							5	

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Stability: Good. **Groundwater:** 1.00m: Fast flow rate.
Plant: 13t tracked excavator.
Backfill: Arisings.

Remarks: TP06 terminated at 2.50m bgl, required depth. Natural ground encountered.