



Date started: 05/07/2023

Date finished: 05/07/2023 **Northing:** 176691

Elevation: .

Trial Pit No: TP01

Easting: 213479

Project No: P1619-0

Site: Borrisbeg WF, CO. Tipperary

Client: MKO

	SUBSURFACE PROFILE									
Depth	Symbol	Depth/Elev.	Description	Water Strikes	Sample Type	Comments				
0.00-		0.00	Ground Surface							
0.00-		0.00 -0.15 0.15	Topsoil							
	-		Light brown gravelly sandy clayey SILT							
1.00-		-0.50 0.50 -2.10 2.10	Brown gravelly silty SAND with cobbles (non-cohesive fluvial deposits)	•		Large groundwater inflows at 2mbgl from the sand and gravel				
		2.10								



Remarks:

Trial pit done at turbine T1 location

Contractor:

Excavator type:

Logged by: DB

Scale as shown

Sheet: 1 of 1



Date started: 05/07/2023 **Date finished:** 05/07/2023

Trial Pit No: TP02

Easting: 213091

Northing: 176777

Elevation: .

Project No: P1619-0

Site: Borrisbeg WF, Co. Tipperary

Client: MKO

				SUBSURFACE PROFILE			
1	nepth	Symbol	Depth/Elev.	Description	Water Strikes	Sample Type	Comments
0.0	00-		0.00	Ground Surface			
0.				Topsoil			
			-0.10 0.10 -0.80 0.80	Firm brown slightly gravelly sandy SILT/CLAY Refusal on rock (bedrock presumed)			



Remarks:

Trial pit done at potential borrow pit location (northern portion)

Contractor:

Excavator type:

Logged by: DB

Scale as shown

Sheet: 1 of 1



Date started: 05/07/2023 **Date finished:** 05/07/2023

Easting: 213073 **Northing:** 176672

Trial Pit No: TP03

Elevation: .

Project No: P1619-0

Site: Borrisbeg WF, Co. Tipperary

Client: MKO

H				SUBSURFACE PROFILE			
	Depth	Symbol	Depth/Elev.	Description	Water Strikes	Sample Type	Comments
	0.00-		0.00	Ground Surface			
	0.00			Topsoil			
		x	-0.10 0.10 -0.70 0.70	Refusal on competent limestone rock (bedrock presumed)			



Remarks:

Trial pit done at potential borrow pit location (southern portion)

Contractor:

Excavator type:

Logged by: DB

Scale as shown

Sheet: 1 of 1



Date started: 05/07/2023 **Date finished:** 05/07/2023

Easting: 213166 **Northing:** 176201

Trial Pit No: TP04

Elevation: .

Project No: P1619-0

Site: Borrisbeg WF, Co. Tipperary

Client: MKO

	SUBSURFACE PROFILE								
Depth	Symbol	Depth/Elev.	Description	Water Strikes	Sample Type	Comments			
0.00-		0.00	Ground Surface						
0.00	\ggg	0.00	Topsoil						
_	* * * * * * * * * * * * * * * * * * *	-0.60	Very firm to stiff brown SILT						
	46 46 46 46 46 46 46 46	0.60	Soft dark brown PEAT						
	30 30	-0.80 -0.80							
1.00-		0.50	Soft grey CLAY (Marl) Brown slightly silty gravelly SAND with cobbles (non-cohesive fluvial deposits)						
2.00-		-2.40 2.40		¥		Large groundwater inflows at 2.4mbgl from the sand & gravel			



Remarks:

Trial pit done at turbine T2 location

Contractor:

Excavator type:

Logged by: DB

Scale as shown

Sheet: 1 of 1



Date started: 05/07/2023

Northing: 176304

Trial Pit No: TP05

Easting: 212759

Date finished: 05/07/2023

Elevation: .

Site: Borrisbeg WF, Co. Tipperary Client: MKO

Project No: P1619-0

		tinettine dem		Client: MKO						
					SUBSURFAC	CE PROFILE				
Depth	Symbol	Depth/Elev.		Des	scription		Water Strikes	Sample Type	Comments	
0.00		0.00				Ground Surface				
0.00-		-0.20 0.20	Re	fusal on competent li esumed)	imestone ro	ck (bedrock				



Remarks:

Trial pit done at temporary construction compound

Contractor:

Excavator type: Logged by: DB

Scale as shown

Sheet: 1 of 1



Date started: 05/07/2023

Date finished: 05/07/2023 **Northing:** 176421

Elevation: .

Trial Pit No: TP06

Easting: 212794

Project No: P1619-0

Site: Borrisbeg WF, Co. Tipperary

Client: MKO

			SUBSURFACE PROFILE			
Depth	Symbol	Depth/Elev.	Description	Water Strikes	Sample Type	Comments
0.00-		0.00	Ground Surface			
0.00-	$\times\!\!\times\!\!\times$	0.00	Topsoil			
	\bowtie	-0.10				
1.00-	N	-0.10 0.10 -1.05 1.05	Firm light brown SILT/CLAY			



Remarks:

Trial pit done on access road leading to temporary construction compound

Contractor:

Excavator type:

Logged by: DB

Scale as shown

Sheet: 1 of 1



Date started: 05/07/2023

Date finished: 05/07/2023

Trial Pit No: TP07

Easting: 213329 **Northing:** 175589

Elevation: .

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Project No: P1619-0

Client: MKO

Site: Borrisbeg WF, CO. Tipperary

	SUBSURFACE PROFILE									
Depth	Symbol	Depth/Elev.	Description	Water Strikes	Sample Type	Comments				
0.00-		0.00	Ground Surface							
0.00	$\times\!\!\times\!\!\times$	0.00	Topsoil							
	 	-0.50 0.50	Firm brown SILT/CLAY							
1.00-		0.50	Grey silty SAND with silt layers (sand is non-cohesive and flowing)	*		Modertate groundwater inflows				
-		-2.70 2.70				from sand layers below 2mbgl				



Remarks:

Trial pit done at turbine T3 location

Contractor:

Excavator type: Logged by: DB

Scale as shown

Sheet: 1 of 1



Date started: 05/07/2023 **Date finished:** 05/07/2023

Easting: 213164 **Northing:** 175079

Trial Pit No: TP08

Elevation: .

Project No: P1619-0

Site: Borrisbeg WF, Co. Tipperary

Client: MKO

	SUBSURFACE PROFILE									
Depth	Symbol	Depth/Elev.	Description	Water Strikes	Sample Type	Comments				
0.00		0.00	Ground Surface							
0.00	XXX		Topsoil							
		-0.20 0.20								
	20 20 20 20 20 20 20 20 20 20 20 20 20 20 20		Soft brown PEAT							
2.00		-0.50 0.50 -2.10 2.10 -2.30 2.30	Very firm purple CLAY Refusal on competent limestone rock (bedrock presumed)			Small groundwater inflows from base of sand layer				



Remarks:

Trial pit done at turbine T4 location

Contractor:

Excavator type:

Logged by: DB

Scale as shown

Sheet: 1 of 1



Date started: 05/07/2023

Date finished: 05/07/2023

Trial Pit No: TP09

Easting: 213205 **Northing:** 175422

Elevation: .

Project No: P1619-0

Client: MKO

Site: Borrisbeg WF, Co. Tipperary

Depth	Symbol	Depth/Elev.	SUBSURFACE PROFILE Description	Water Strikes	Sample Type	Comments
0.00-		0.00	Ground Surface			
0.00			Topsoil			
-	X	-0.10 0.10 -0.70 0.70	Firm brown SILT/CLAY			



Remarks:

Trial pit done along access road

Contractor:

Excavator type:

Logged by: DB

Scale as shown

Sheet: 1 of 1



Date started: 05/07/2023 **Date finished:** 05/07/2023

Easting: 213200 **Northing:** 175746

Trial Pit No: TP10

Elevation: .

Project No: P1619-0

Site: Borrisbeg WF, Co. Tipperary

Client: MKO

	SUBSURFACE PROFILE									
Depth	Depth/Elev.	Description	Water Strikes	Sample Type	Comments					
0.00	0.00 0.00 -0.10 0.10	Ground Surface Topsoil								
X X X X X X X X X X X X X X X X X X X		Firm brown SILT/CLAY								



Remarks:

Trial pit done along access road

Contractor:

Excavator type:

Logged by: DB

Scale as shown

Sheet: 1 of 1



Date started: 05/07/2023 **Date finished:** 05/07/2023

Northing: 174237

Trial Pit No: TP11

Easting: 212485

Site: Borrisbeg WF, Co. Tipperary

Client: MKO

Project No: P1619-0

Elevation: .

	SUBSURFACE PROFILE								
Depth	Symbol	Depth/Elev.	Description	Water Strikes	Sample Type	Comments			
0.00-		0.00	Ground Surface						
0.00			Topsoil						
_		-0.10 0.10	Very firm brown SILT/CLAY						
1.00-		-0.60 0.60 -1.10 1.10	Very firm grey slightly sandy SILT Refusal on sligthly weathered limestone bedrock						
			kerosai on siigiriiy wearnerea iimesione bedrock						



Remarks:

Trial pit done at turbine T6

Contractor:

Excavator type:

Logged by: DB

Scale as shown

Sheet: 1 of 1



Date started: 05/07/2023

Date finished: 05/07/2023

Trial Pit No: TP12

Easting: 212671

Northing: 173893

Elevation: .

HYDRO	D-ENVIRON	NMENTAL SERV	Client: MINO			
			SUBSURFACE PROFILE		1	ı
Depth	Symbol	Depth/Elev.	Description	Water Strikes	Sample Type	Comments
0.00-		0.00	Ground Surface			
0.00-		0.00	Topsoil			
_	* * * * * * * * * * * * * * * * * * *	0.20	Firm brown silty SAND (fine sand)			

Project No: P1619-0

Site: Borrisbeg WF, Co. Tipperary

Very firm brown sandy gravelly CLAY (Boulder Clay)

Refusal on boulders /possible bedrock



Remarks:

Trial pit done at Turbine T7

-1.80 1.80

-0.90 0.90

Contractor:

Excavator type: Logged by: DB

Scale as shown

Sheet: 1 of 1



Date started: 05/07/2023 **Date finished:** 05/07/2023

Northing: 174204

Trial Pit No: TP13

Easting: 213499

Site: Borrisbeg WF, Co. Tipperary

Elevation: .

Project No: P1619-0

Client: MKO

SUBSURFACE PROFILE							
Depth	Symbol	Depth/Elev.	Description	Water Strikes	Sample Type	Comments	
0.00-		0.00	Ground Surface				
0.00			Topsoil				
		-0.20 0.20					
-		-0.90 0.90	Grey silty SAND				
1.00-		-1.80 1.80	Gravelly silty SAND (fine sand) with cobbles and boulders Refusal on boulders /possible bedrock				
Dame							



Remarks:

Trial pit done at Turbine T8

Contractor:

Excavator type: Logged by: DB

Scale as shown

Sheet: 1 of 1



Date started: 05/07/2023 **Date finished:** 05/07/2023

Trial Pit No: TP14

Easting: 213193

Northing: 174616

Elevation: .

Project No: P1619-0

Site: Borrisbeg WF, Co. Tipperary

Client: MKO

	SUBSURFACE PROFILE							
Depth	Symbol	Depth/Elev.	Description	Water Strikes	Sample Type	Comments		
1.00-		0.00 0.00 -0.10 0.10	Topsoil Brown silty SAND (non-cohesive) Brown gravelly silty SAND Refusal on competent limestone bedrock					



Remarks:

Trial pit done approximately 30m from Turbine T5 (not accessible due to silage)

Contractor:

Excavator type: Logged by: DB

Scale as shown

Sheet: 1 of 1



Date started: 05/07/2023

Date finished: 05/07/2023

Trial Pit No: TP15

Easting: 213332

Northing: 174307

Elevation: .

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Project No: P1619-0

Client: MKO

Site: Borrisbeg WF, Co. Tipperary

SUBSURFACE PROFILE						
Depth	Symbol	Depth/Elev.	Description	Water Strikes	Sample Type	Comments
0.00-		0.00	Ground Surface			
0.00			Topsoil			
	X X X X X X X X X X X X X X X X X X X	-0.10 0.10 -0.40 0.40	Firm brown SILT/CLAY			
-		-0.80 0.80	Firm grey CLAY			



Remarks:

Trial pit done along access road

Contractor:

Excavator type:

Logged by: DB

Scale as shown

Sheet: 1 of 1



Date started: 05/07/2023 **Date finished:** 05/07/2023

Easting: 214174 **Northing:** 174467

Trial Pit No: TP16

Elevation: .

Project No: P1619-0

Site: Borrisbeg WF, Co. Tipperary

Client: MKO

	SUBSURFACE PROFILE							
Depth	Symbol	Depth/Elev.	Description	Water Strikes	Sample Type	Comments		
0.00-		0.00	Ground Surface					
0.00-		0.00 -0.10 0.10	Topsoil Firm brown SILT/CLAY					
			FIIII DIOWII SILI/CLAT					
-	X	-0.40 0.40 -0.80 0.80	Firm sandy, gravelly SILT/CLAY with cobbles and boulders					



Remarks:

Trial pit done approximately 100m east of substation (not accessible due to silage)

Contractor:

Excavator type: Logged by: DB

Scale as shown

Sheet: 1 of 1