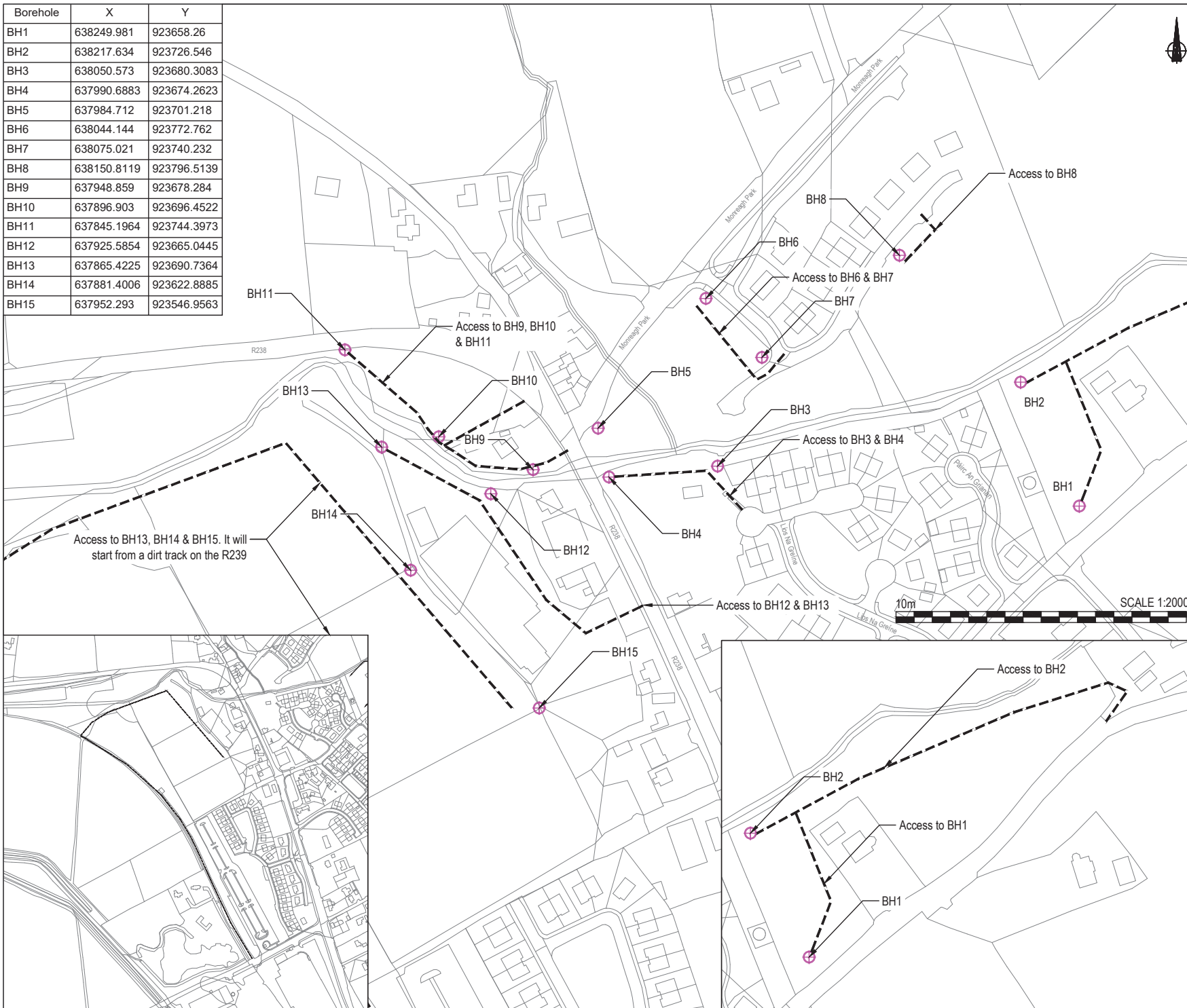


Appendix 11

Appendix 11.1

Ground Investigation - Location Plan

Borehole	X	Y
BH1	638249.981	923658.26
BH2	638217.634	923726.546
BH3	638050.573	923680.3083
BH4	637990.6883	923674.2623
BH5	637984.712	923701.218
BH6	638044.144	923772.762
BH7	638075.021	923740.232
BH8	638150.8119	923796.5139
BH9	637948.859	923678.284
BH10	637896.903	923696.4522
BH11	637845.1964	923744.3973
BH12	637925.5854	923665.0445
BH13	637865.4225	923690.7364
BH14	637881.4006	923622.8885
BH15	637952.293	923546.9563



NOTES

- Verifying Dimensions.
The contractor shall verify dimensions against such other drawings or site conditions as pertain to this part of the work.
- Existing Services.
Any information concerning the location of existing services indicated on this drawing is intended for general guidance only. It shall be the responsibility of the contractor to determine and verify the exact horizontal and vertical alignment of all cables, pipes, etc. (both underground and overhead) before work commences.
- Issue of Drawings.
Hard copies, dxf and pdf will form a controlled issue of the drawing. All other formats (dwg, dxf etc.) are deemed to be an uncontrolled issue and any work carried out based on these files is at the recipient's own risk. RPS will not accept any responsibility for any errors arising from the use of these files, either by human error by the recipient, listing of un-dimensioned measurements, compatibility issues with the recipient's software, and any errors arising when these files are used to aid the recipient's drawing production, or setting out on site.
- Legend.

©Ordnance Survey Ireland 2020/OSI_NIMA_053

rev	amendments	check	date

rps Elmwood House T +44 (0) 28 90 667914
74 Boucher Road F +44 (0) 28 90 668286
Belfast W www.rpsgroup.com/ireland
BT12 6RZ E ireland@rpsgroup.com

Client
Comhairle Contae Dhún na nGall
Donegal County Council

Project
Donegal Bundle 1 FRS

Title
Burnfoot FRS Preliminary Ground Investigation

Project Number IBE1760	Sheet Size A3	Drawing Scale 1:2000
---------------------------	------------------	-------------------------

Drawing Number
IBE1760_GI_001


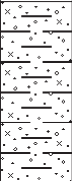
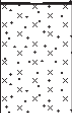

Drawn By NM	Status Draft	Revision -
----------------	-----------------	---------------

Checked By BQ	Approved By BQ	Date 31/05/2022
------------------	-------------------	--------------------

Appendix 11.2

Ground Investigation - Borehole Logs

BH Logs

							Site Donegal Bundle 1 Flood Relief Scheme		Borehole Number BTBH02
Machine : Dando 2000 Method : Cable Percussion		Casing Diameter 10inch to 9.30m		Ground Level (mOD) 5.15		Client Donegal County Council		Job Number 22-0073	
		Location 638241.924 E 923652.875 N		Dates 24/02/2023		Engineer RPS		Sheet 1/1	
Depth (m)	Sample / Tests	Casing Depth (m)	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.50 0.50	B1 ES3					(1.20)	Firm brown slightly sandy gravelly silty CLAY. Sand is fine to coarse. Gravel is subangular fine to coarse of mixed lithologies.		
1.00	D2				3.95	1.20	Firm to stiff yellowish brown SILT with sand lenses. Sand is fine to coarse.		
1.20-1.65	SPT N=11			2,2/2,3,3,3					
1.50 1.50	B4 ES6								
2.00-2.45 2.00	SPT N=12 D5			3,2/3,3,3,3					
2.50 2.50	B7 ES9								
3.00-3.45 3.00	SPT N=14 D8			1,2/3,4,3,4					▼1
3.50 3.50	B10 ES12								
4.00-4.45 4.00	SPT N=15 D11			2,2/3,4,4,4		(6.20)			
4.50 4.50	B13 ES15								
5.00 5.00 5.00-5.45	D14 D17 U29			26 blows					
5.50 5.50	B16 ES18								
6.00-6.45 6.00	SPT N=16 D20			1,3/3,4,4,5					
6.50 6.50	B19 ES21								
7.00-7.45 7.00	SPT N=19 D23			2,2/4,5,4,6					
7.50 7.50	B22 ES24			Water strike(1) at 7.40m, rose to 3.20m in 20 mins.	-2.25	7.40	Dense grey slightly sandy sub angular medium to coarse GRAVEL of mixed lithologies and medium cobble content. Sand is fine to coarse. Cobbles are sub rounded of mixed lithologies.		▼1
8.00-8.45 8.00	SPT N=32 D26			6,7/8,9,8,7		(1.89)			
8.50	B25								
9.00-9.36 9.00 9.00 9.30-9.30	SPT 50/210 B27 D28 SPT 25*/0 50/0			7,7/8,10,32 25/50	-4.14 -4.15	9.29 9.30	Possible boulder/rock Complete at 9.30m		
Remarks								Scale (approx) 1:50	Logged By ST
								Figure No. 22-0073.BTBH02	



Site
Donegal Bundle 1 Flood Relief Scheme

Borehole Number
BTBH03

Machine : Dando 2000	Casing Diameter 10inch to 17.30m	Ground Level (mOD) 4.19	Client Donegal County Council	Job Number 22-0073
Method : Cable Percussion	Location 638213.486 E 923725.381 N	Dates 26/02/2023	Engineer RPS	Sheet 1/2

Depth (m)	Sample / Tests	Casing Depth (m)	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.00-0.30 0.10	B1 D2				3.89	(0.30) 0.30	TOPSOIL		
0.40 0.50 0.50-0.80	D5 ES3 B4						Very soft brown sandy gravelly CLAY with rootlets. Sand is fine to coarse. Gravel is subangular fine to coarse of mixed lithologies.		
1.00 1.00-1.50	D8 B7					(1.80)			
1.50 1.50 1.70-2.15 1.70-2.10	ES6 ES9 SPT N=3 B10			1,0/0,1,0,2	2.09	2.10			
2.10-2.60	B13						Medium dense grey slightly sandy subangular fine to coarse GRAVEL of mixed lithologies. Sand is fine to coarse.		
2.50	D11								
2.70-3.15 2.70-3.20 2.70-4.20	SPT(C) N=25 B16 B19			2,4/4,6,8,7					
3.40 3.50	D14 ES12								
3.70-4.15	SPT(C) N=22			2,4/5,5,6,6		(3.30)			
4.40 4.50	D17 ES15								
4.70-5.15 4.70-5.20	SPT(C) N=13 B22			2,2/3,4,3,3					
5.40 5.50	D20 ES18				-1.21	5.40	Loose to medium dense greenish brown silty fine to coarse SAND.		
5.70-6.15 5.70-6.20	SPT N=18 B25			3,3/4,4,5,5					
6.40 6.50	D23 ES21								
6.70-7.15 6.70-7.20	SPT N=20 B28			2,3/4,5,5,6					
7.40 7.50	D26 ES24								
7.70-8.15 7.70-8.20	SPT N=11 B31			2,4/4,2,2,3					
8.40 8.50	D29 ES27								
8.70-9.15 8.70-9.20	SPT N=14 B34			1,3/3,4,3,4					
9.40 9.50	D32 ES30								
9.70-10.15 9.70-10.20	SPT N=12 B37			1,2/2,3,3,4					

Remarks	Scale (approx)	Logged By
	1:50	ST
	Figure No. 22-0073.BTBH03	



Site
Donegal Bundle 1 Flood Relief Scheme
Borehole Number
BTBH03

Machine : Dando 2000 Method : Cable Percussion	Casing Diameter 10inch to 17.30m	Ground Level (mOD) 4.19	Client Donegal County Council	Job Number 22-0073
	Location 638213.486 E 923725.381 N	Dates 26/02/2023	Engineer RPS	Sheet 2/2

Depth (m)	Sample / Tests	Casing Depth (m)	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
10.40 10.50	D35 ES33						... as previous		
10.70-11.15	SPT N=13			2,2/3,3,3,4		(11.00)			
11.40 11.50	D38 ES36								
11.70-12.15 11.70-12.20	SPT N=9 B40			1,1/2,2,2,3					
12.40 12.50	D41 ES39								
12.70-13.15 12.70-13.20	SPT N=11 B43			1,1/2,2,3,4					
13.40 13.50	D44 ES42								
13.70-14.15 13.70-14.20	SPT N=12 B45			1,2/3,3,3,3					
14.40 14.50	D46 ES47								
14.70-15.15 14.70-15.20	SPT N=10 B48			1,2/2,3,2,3					
15.50 15.50 15.50 15.70-16.15 15.70-16.20	D49 ES50 ES53 SPT N=11 B51			2,2/2,2,3,4					
16.40 16.50 16.60-17.10 16.60-16.98	D55 D52 B54 SPT(C) 50/225			Water strike(1) at 16.40m, rose to 4.40m in 20 mins. 4,8/12,18,20	-12.21	16.40 (0.80)	Very dense sandy sub angular fine to coarse GRAVEL of mixed lithologies. Sand is fine to coarse.		∇1
17.30-17.44	SPT(C) 25*/115 50/25			12,13/50	-13.01 -13.11	17.20 17.30	Possible boulder/rock Complete at 17.30m		

Remarks	Scale (approx)	Logged By
	1:50	ST
	Figure No. 22-0073.BTBH03	



Site
Donegal Bundle 1 Flood Relief Scheme

Borehole Number
BTBH04

Machine : Dando 2000	Casing Diameter 10inch to 13.90m	Ground Level (mOD) 3.41	Client Donegal County Council	Job Number 22-0073
Method : Cable Percussion	Location 638002.436 E 923658.175 N	Dates 27/02/2023	Engineer RPS	Sheet 1/2

Depth (m)	Sample / Tests	Casing Depth (m)	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.00-0.30 0.10	B1 D2				3.11	(0.30)	TOPSOIL		
0.40 0.40-0.60 0.50 0.70 0.70-1.00	D5 B4 ES3 D8 B7				2.81	(0.30) 0.60	Soft brown slightly sandy slightly gravelly silty CLAY. Sand is fine to coarse. Gravel is sub angular fine to medium of mixed lithology.		
1.20-1.65	SPT N=8			1,0/1,1,2,4	1.91	(0.90)	Loose greenish grey silty fine to coarse SAND.		▼1
1.50 1.60-2.00	ES6 B10			Water strike(1) at 1.50m, no rise after 20 mins.		1.50	Medium dense very gravelly fine to coarse SAND. Gravel is sub angular fine to medium of mixed lithology.		
2.00	D11								
2.20-2.65 2.20-2.70 2.50	SPT(C) N=17 B13 ES9			2,2/3,4,5,5					
3.00	D14								
3.20-3.65 3.20-3.70 3.50	SPT(C) N=20 B16 ES12			2,3/4,5,5,6					▼2
4.00	D17								
4.20-4.65 4.20-4.70 4.50	SPT(C) N=16 B19 ES15			2,2/3,4,4,5					
4.80	D20								
5.20-5.65 5.20-5.70 5.50	SPT N=12 B22 ES18			1,2/2,3,3,4					
6.00	D23								
6.20-6.65 6.50	SPT N=13 ES21			1,2/2,3,4,4					
7.20-7.65 7.20-7.70 7.50	SPT N=13 B25 ES24			2,3/3,3,3,4					
8.00	D26								
8.20-8.65 8.20-8.70 8.50	SPT N=14 B28 ES27			1,2/3,3,4,4					
9.00	D29								
9.20-9.65 9.20-9.70 9.50	SPT N=12 B31 ES30			1,2/2,3,3,4		(10.90)			

Remarks	Scale (approx)	Logged By
	1:50	ST
	Figure No. 22-0073.BTBH04	



Site
Donegal Bundle 1 Flood Relief Scheme

Borehole Number
BTBH04

Machine : Dando 2000	Casing Diameter 10inch to 13.90m	Ground Level (mOD) 3.41	Client Donegal County Council	Job Number 22-0073
Method : Cable Percussion	Location 638002.436 E 923658.175 N	Dates 27/02/2023	Engineer RPS	Sheet 2/2

Depth (m)	Sample / Tests	Casing Depth (m)	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
10.00	D32						... as previous		
10.20-10.65 10.20-10.70 10.50	SPT N=14 B34 ES33			2,2/3,3,4,4					
11.00	D35								
11.20-11.65 11.20-11.70 11.50	SPT N=14 B37 ES36			1,2/3,4,3,4					
12.00	D38								
12.50 12.60-13.10 12.60-13.05	ES39 B40 SPT N=32			Water strike(2) at 12.40m, rose to 3.40m in 20 mins. 5,6/8,8,8,8	-8.99	12.40 (1.20)	Dense to very dense grey sandy sub angular fine to coarse GRAVEL of mixed lithology. Sand is fine to coarse.		∇2
13.60-13.90	SPT(C) 50/150			9,11/16,18,16	-10.19 -10.20	13.60 13.61	Possible boulder/rock Complete at 13.90m		

Remarks	Scale (approx)	Logged By
	1:50	ST
	Figure No. 22-0073.BTBH04	



Site
Donegal Bundle 1 Flood Relief Scheme

Borehole Number
BTBH05

Machine : Dando 2000 Method : Cable Percussion	Casing Diameter 10inch to 0.50m	Ground Level (mOD) 3.84	Client Donegal County Council	Job Number 22-0073
	Location 638000.058 E 923691.304 N	Dates 27/02/2023	Engineer RPS	Sheet 1/1

Depth (m)	Sample / Tests	Casing Depth (m)	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.10 0.20 0.30 0.30-0.35 0.40 0.40-0.50 0.50	D2 B1 D3 B4 D5 B6 ES7			Water strike(1) at 0.30m, no rise after 20 mins.	3.64	(0.20) 0.20	TOPSOIL		▼1
						(1.05)	MADE GROUND described as grey sandy GRAVEL fill.		
					2.59	1.25	Complete at 1.25m		

Remarks Moved due to engineered gravel in the hand pit. Full of water cant see for services.	Scale (approx)	Logged By
	1:50	ST
	Figure No. 22-0073.BTBH05	



Machine : Dando 2000 Method : Cable Percussion				Casing Diameter 10inch to 19.10m	Ground Level (mOD) 3.84	Site Donegal Bundle 1 Flood Relief Scheme	Borehole Number BTBH05A
				Location 638000.016 E 923691.297 N	Dates 21/02/2023	Client Donegal County Council	Job Number 22-0073
						Engineer RPS	Sheet 1/2

Depth (m)	Sample / Tests	Casing Depth (m)	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.50 0.50 0.50	B1 D2 ES3					(2.20)	MADE GROUND described as slightly clayey gravelly fine to coarse SAND fill. Gravel is subangular and fine to medium grained of mixed lithologies.		▽1
1.30	D5			2,3/2,1,1,1					
1.50-1.95 1.50 1.50-2.00	SPT N=5 ES6 B4								
2.30	D8				1.64	2.20	Medium dense grey very gravelly fine to coarse SAND. Gravel is subangular and fine to medium grained of mixed lithologies.		▽1
2.50 2.50-3.00	ES9 B7			Water strike(1) at 2.50m, rose to 1.70m in 20 mins. 4,4/5,5,4,4					
2.50-2.95 3.00	SPT N=18 D11								
3.50-3.95 3.50 3.50-4.00	SPT(C) N=19 ES12 B10			2,2/3,5,5,6		(2.60)			
4.00	D14								
4.50-4.95 4.50 4.50-4.80 4.90	SPT(C) N=23 ES15 B13 D17			3,3/4,5,7,7	-0.96	4.80	Medium dense greyish brown silty fine to coarse SAND.		
5.00-5.45 5.00-5.50	SPT N=19 B16			2,3/4,4,5,6					
5.50 5.50	D20 ES18								
6.00-6.45 6.00-6.50	SPT N=25 B19			3,4/4,6,7,8					
6.50 6.50	D23 ES21								
7.50-7.95 7.50 7.50-8.00	SPT N=22 ES24 B22			4,5/5,5,6,6					
8.00	D26								
9.00-9.45 9.00-9.50	SPT N=21 B25			4,4/4,5,6,6		(8.70)			
9.50 9.50	D29 ES27								

Remarks	Scale (approx) 1:50	Logged By ST
	Figure No. 22-0073.BTBH05A	



Northwest Geotech							Site	Borehole Number	
Machine : Dando 2000		Casing Diameter		Ground Level (mOD)		Donegal Bundle 1 Flood Relief Scheme		BTBH05A	
Method : Cable Percussion		10inch to 19.10m		3.84		Client		Job Number	
		Location		Dates		Donegal County Council		22-0073	
		638000.016 E 923691.297 N		21/02/2023		Engineer		Sheet	
						RPS		2/2	
Depth (m)	Sample / Tests	Casing Depth (m)	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
10.50-10.95	SPT N=14			1,1/2,3,4,5			... as previous		
10.50	ES30								
10.50-11.00	B28								
11.00	D32								
11.50	ES33								
12.00-12.45	SPT N=14			1,1/2,3,4,5					
12.00-12.50	B31								
12.50	ES36								
13.00	D35								
13.50	ES39				-9.66	13.50	Firm brownish grey sandy SILT. Sand is fine to coarse.		
13.80-14.25	SPT N=13			1,1/2,2,4,5					
13.80-14.30	B34								
14.50	D38								
14.50	ES42								
15.00-15.80	B37								
15.40-15.85	SPT N=11			1,2/2,3,3,3		(4.60)			
16.00	D41								
16.50	ES45								
16.90-17.35	SPT N=14			2,2/3,3,4,4					
16.90-17.40	B40								
17.50	D44								
18.10-18.55	SPT N=50			7,9/16,15,10,9	-14.26	18.10	Very dense grey sandy sub rounded medium to coarse GRAVEL of mixed lithologies. Sand is fine to coarse.		
18.10-18.60	B43					(0.90)			
19.10-19.25	SPT			25,50/	-15.16 -15.26	19.00 19.10	Possible boulder/rock Complete at 19.10m		
Remarks								Scale (approx)	Logged By
								1:50	ST
								Figure No. 22-0073.BTBH05A	



Site
Donegal Bundle 1 Flood Relief Scheme

Borehole Number
BTBH07

Machine : Dando 2000
Method : Cable Percussion

Casing Diameter
10inch to 13.70m

Location
638073.759 E 923740.7 N

Ground Level (mOD)
4.24

Dates
16/02/2023-
17/02/2023

Client
Donegal County Council

Engineer
RPS

Job Number
22-0073

Sheet
1/2

Depth (m)	Sample / Tests	Casing Depth (m)	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.50 0.50-1.00	ES3 B1				3.54	(0.70)	MADE GROUND described as slightly sandy gravelly CLAY with fragments of concrete. Sand is fine to coarse. Gravel is subangular fine to coarse of mixed lithologies.		
1.00	D2						Firm greyish brown slightly sandy gravelly silty CLAY. Sand is fine to coarse. Gravel is subangular fine to coarse of mixed lithologies.		
1.20-1.65	SPT N=9			2,2/2,2,3,2					
1.50 1.50-2.00	ES6 B4								
2.00-2.45 2.00	SPT N=11 D5			1,2/3,3,2,3		(3.20)			
2.50 2.50-3.00	ES9 B7								▼1
3.00-3.45 3.00	SPT N=14 D8			2,3/3,4,3,4					
3.50 3.50-4.00	ES12 B10								
4.00	D11			Water strike(1) at 3.90m, rose to 2.60m in 20 mins. 4,6/6,44	0.34	3.90	Very dense grey slightly sandy gravelly COBBLES. Sand is fine to coarse. Gravel is subangular fine to coarse of mixed lithologies.		▼1
4.00-4.30	SPT 50/150				-0.06	4.30	Grey COBBLES and BOULDERS.		
4.50 4.50-5.00	ES15 B13					(0.50)			
5.00-5.45 5.00	SPT N=10 D14			2,2/3,2,2,3	-0.56	4.80	Medium dense grey silty fine to coarse SAND.		
5.50 5.50-6.00	ES18 B16								
6.00-6.45 6.00	SPT N=13 D17			3,3/3,3,4,3		(2.60)			
6.50 6.50-7.00	ES21 B19								
7.00-7.45 7.00	SPT N=17 D20			3,4/4,5,4,4					
7.50 7.50-8.00	ES24 B22				-3.16	7.40	Medium dense grey fine to coarse SAND with silt lenses.		
8.00-8.45 8.00	SPT N=13 D23			4,4/5,2,2,4					
8.50 8.50	B25 ES27								
9.00	D26								
9.50-9.95 9.50 9.50 10.00-10.45	SPT N=19 B28 ES30 SPT N=19			4,4/4,4,5,6 5,5/5,4,5,5		(4.40)			

Remarks	Scale (approx)	Logged By
	1:50	ST
	Figure No. 22-0073.BTBH07	



Site
Donegal Bundle 1 Flood Relief Scheme

Borehole Number
BTBH07

Machine : Dando 2000	Casing Diameter 10inch to 13.70m	Ground Level (mOD) 4.24	Client Donegal County Council	Job Number 22-0073
Method : Cable Percussion	Location 638073.759 E 923740.7 N	Dates 16/02/2023- 17/02/2023	Engineer RPS	Sheet 2/2

Depth (m)	Sample / Tests	Casing Depth (m)	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
10.00	D29						... as previous		
10.50 10.50	B31 ES32								
11.00-11.45	SPT N=18			4,5/5,3,5,5					
11.50	ES35				-7.56	11.80	Stiff grey very sandy SILT. Sand is fine to coarse.		
12.00 12.00-12.45	D34 U39			24 blows		(1.60)			
12.50	B33								
13.00-13.45 13.00	SPT N=18 D37			3,4/4,4,5,5					
13.40	B36				-9.16	13.40 (0.30)	Medium dense slightly sandy sub rounded medium to coarse GRAVEL of mixed lithologies. Sand is fine to coarse.		
13.70-13.70	SPT 75*/0			25,50/	-9.46	13.70	Complete at 13.70m		

Remarks	Scale (approx)	Logged By
	1:50	ST
	Figure No. 22-0073.BTBH07	



Site
Donegal Bundle 1 Flood Relief Scheme

Borehole Number
BTBH09

Machine : Dando 2000	Casing Diameter 10inch to 23.80m	Ground Level (mOD) 3.67	Client Donegal County Council	Job Number 22-0073
Method : Cable Percussion	Location 637949.103 E 923680.898 N	Dates 23/02/2023- 24/02/2023	Engineer RPS	Sheet 1/3

Depth (m)	Sample / Tests	Casing Depth (m)	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.00-0.15 0.10 0.20 0.20-0.70 0.50	B1 D2 D5 B4 ES3				3.52	(0.15) 0.15	MADE GROUND described as grey slightly sandy GRAVEL.		
1.20-1.65 1.20-1.70 1.50	SPT(C) N=1 B7 ES6			1,0/0,1,0,0	2.47	(1.05) 1.20	MADE GROUND described as slightly clayey slightly sandy sub angular fine to coarse GRAVEL of mixed lithologies with fragments of brick and concrete. Sand is fine to coarse.		
2.00 2.20-2.70 2.20-2.65 2.50	D8 B10 SPT N=10 ES9			Water strike(1) at 2.00m, no rise after 20 mins. 2,3/3,3,2,2	1.67	(0.80) 2.00	MADE GROUND described as very soft brown sandy gravely CLAY. Sand is fine to coarse. Gravel is sub angular fine to coarse.		▼1
3.00 3.20-3.65 3.20-3.70 3.50	D11 SPT(C) N=17 B13 ES12			2,2/3,4,5,5			Medium dense grey very sandy sub angular fine to coarse GRAVEL of mixed lithologies. Sand is fine to coarse.		
4.00 4.20-4.65 4.20-4.70 4.50	D14 SPT(C) N=28 B16 ES15			2,3/6,7,7,8		(4.40)			
5.00 5.20-5.65 5.20-5.70 5.50	D17 SPT(C) N=25 B19 ES18			2,3/4,6,7,8					
6.00 6.40-6.85 6.40-6.90 6.50	D20 SPT(C) N=15 B22 ES21			2,2/3,3,4,5	-2.73	6.40	Firm to stiff greenish brown very sandy SILT. Sand is fine to coarse.		
7.00 7.40-7.85 7.40-7.90 7.50	D23 SPT N=18 B25 ES24			1,2/3,4,5,6					
8.00 8.00 8.40-8.85	D26 ES27 SPT N=20			1,2/3,4,6,7					
9.40-9.85 9.40-9.90	SPT N=19 B28			2,2/3,5,5,6					

Remarks	Scale (approx)	Logged By
	1:50	ST
	Figure No. 22-0073.BTBH09	



Site
Donegal Bundle 1 Flood Relief Scheme

Borehole Number
BTBH09

Machine : Dando 2000	Casing Diameter 10inch to 23.80m	Ground Level (mOD) 3.67	Client Donegal County Council	Job Number 22-0073
Method : Cable Percussion	Location 637949.103 E 923680.898 N	Dates 23/02/2023- 24/02/2023	Engineer RPS	Sheet 2/3

Depth (m)	Sample / Tests	Casing Depth (m)	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
10.00 10.00	D29 ES30						... as previous		
10.50-10.95 10.50-11.00	SPT N=14 B31			3,3/3,3,4,4					
11.00 11.00	D32 ES33								
11.50-11.95 11.50-12.00	SPT N=17 B34			2,3/3,4,5,5					
12.00 12.00	D35 ES36								
12.50-12.95 12.50-13.00	SPT N=14 B37			2,2/3,3,4,4					
13.00 13.00	D38 ES39								
13.50-13.95 13.50-14.00	SPT N=22 B40			2,3/4,5,6,7					
14.00 14.00	D41 ES42								
14.50-14.95 14.50-15.00	SPT N=23 B43			2,3/4,6,6,7		(16.70)			
15.00 15.00	D44 ES45								
15.50-15.95 15.50-16.00	SPT N=21 B46			2,3/3,5,6,7					
16.00 16.00	D47 ES48								
16.50-16.95 16.50-17.00	SPT N=23 B49			2,3/5,6,6,6					
17.00 17.00	D50 ES51								
17.50-17.95 17.50-18.00	SPT N=18 B52			2,2/4,4,5,5					
18.00 18.00	D53 ES54								
18.50-18.95 18.50-19.00	SPT N=19 B55			2,2/4,4,5,6					
19.00 19.00	D56 ES57								
19.50-19.95 19.50-20.00	SPT N=19 B58			1,2/4,5,5,5					

Remarks	Scale (approx)	Logged By
	1:50	ST
	Figure No. 22-0073.BTBH09	



Site
Donegal Bundle 1 Flood Relief Scheme

Borehole Number
BTBH09

Machine : Dando 2000	Casing Diameter 10inch to 23.80m	Ground Level (mOD) 3.67	Client Donegal County Council	Job Number 22-0073
Method : Cable Percussion	Location 637949.103 E 923680.898 N	Dates 23/02/2023- 24/02/2023	Engineer RPS	Sheet 3/3

Depth (m)	Sample / Tests	Casing Depth (m)	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
20.00 20.00	D59 ES60						... as previous		
20.50-20.95 20.50-21.00	SPT N=16 B61			2,2/3,4,4,5					
21.00 21.00	D62 ES63								
21.50-21.95 21.50-22.00	SPT N=16 B64			2,2/3,4,4,5					
22.00	D65								
22.50-22.95 22.50 22.50-23.00	SPT N=21 ES66 B67			2,2/4,4,6,7					
23.00 23.10-23.10	D68 SPT 25*0 50/0			25/50	-19.43	23.10	Possible boulder/rock		
						(0.70)			
					-20.13	23.80	Complete at 23.80m		

Remarks	Scale (approx)	Logged By
	1:50	ST
	Figure No. 22-0073.BTBH09	



Site
Donegal Bundle 1 Flood Relief Scheme

Borehole Number
BTBH10

Machine : Dando 2000	Casing Diameter 10inch to 12.00m	Ground Level (mOD) 3.47	Client Donegal County Council	Job Number 22-0073
Method : Cable Percussion	Location 637906.239 E 923689.216 N	Dates 21/02/2023	Engineer RPS	Sheet 1/2

Depth (m)	Sample / Tests	Casing Depth (m)	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.00-0.20 0.10 0.30	B1 D2 D5				3.27	(0.20) 0.20	MADE GROUND described as slightly sandy sub angular fine to coarse GRAVEL. Sand is fine to coarse.		
0.50 0.50-0.70	ES3 B4						Soft brown slightly sandy slightly gravelly silty CLAY. Sand is fine to coarse. Gravel is subangular and fine to coarse grained of mixed lithologies.		
1.00	ES6					(2.00)			
1.20-1.65 1.20	SPT N=6 B7			1,0/1,1,2,2					
1.70-2.20	B10								▽1
2.00 2.00	D8 ES9				1.27	2.20	Medium dense grey very sandy sub angular fine to coarse GRAVEL of mixed lithologies. Sand is fine to coarse.		▽1
2.20-2.65	SPT N=19			Water strike(1) at 2.20m, rose to 1.70m in 20 mins. 3,4/5,5,4,5					
3.00 3.00 3.20-3.65 3.20-3.70	D11 ES12 SPT(C) N=21 B13			2,2/3,5,6,7		(3.30)			
4.00 4.00 4.20-4.65 4.20-4.70	D14 ES15 SPT(C) N=25 B16			2,2/4,6,8,7					
5.00 5.00 5.20-5.65 5.20-5.70 5.50 5.50 5.80-6.25 5.80-6.30	D17 ES18 SPT(C) N=13 B19 D20 ES21 SPT N=13 B22			2,2/3,5,3,2	-2.03	5.50	Firm to stiff greenish brown very sandy SILT. Sand is fine to coarse.		
6.50 6.50 6.80-7.25 6.80-7.30	D23 ES24 SPT N=15 B25			2,2/3,3,4,5					
7.50 7.50 7.80-8.25 7.80-8.30	D26 ES27 SPT N=12 B28			1,2/2,3,3,4					
8.50	D29					(6.20)			
8.80-9.25 8.80-9.30	SPT N=15 B30			2,3/3,4,4,4					
9.50 9.50 9.80-10.25 9.80-10.30	D31 ES32 SPT N=12 B33			1,2/2,3,3,4					

Remarks	Scale (approx)	Logged By
	1:50	ST
	Figure No. 22-0073.BTBH10	



Site
Donegal Bundle 1 Flood Relief Scheme

Borehole Number
BTBH12

Machine : Dando 2000	Casing Diameter 10inch to 23.55m	Ground Level (mOD) 3.23	Client Donegal County Council	Job Number 22-0073
Method : Cable Percussion	Location 637931.3 E 923659.1 N	Dates 20/02/2023- 21/02/2023	Engineer RPS	Sheet 1/3

Depth (m)	Sample / Tests	Casing Depth (m)	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.50 0.50	B1 ES3				2.53	(0.70)	MADE GROUND described as slightly sandy gravelly CLAY with fragments of brick. Sand is fine to coarse. Gravel is subangular and fine to medium grained		
1.00 1.20-1.65	D2 SPT N=10			2,2/3,2,2,3			Medium dense grey gravelly silty fine to coarse SAND. Gravel is subangular fine to coarse of mixed lithologies.		
1.50 1.50	B4 ES6								
2.00-2.45 2.00	SPT N=12 D5			3,3/3,3,3,3		(2.70)			
2.50 2.50	B7 ES9								▼1
3.00-3.45 3.00	SPT N=11 D8			3,2/3,2,3,3 Water strike(1) at 3.10m, rose to 2.80m in 20 mins.	-0.17	3.40	Medium dense grey silty fine to coarse SAND.		▼1
3.50 3.50	B10 ES12								
4.00-4.45 4.00	SPT N=12 D11			3,3/3,3,3,3					
4.50 4.50	B13 ES15								
5.00-5.45 5.00	SPT N=13 D14			2,2/3,3,3,4					
5.50 5.50	B16 ES18								
6.00-6.45 6.00	SPT N=13 D17			2,3/3,4,3,3					
6.50 6.50	B19 ES21								
7.00-7.45 7.00	SPT N=14 D20			2,2/3,4,3,4		(7.20)			
7.50 7.50	B22 ES24								
8.00-8.45 8.00	SPT N=15 D23			3,3/4,3,4,4					
8.50 8.50	B25 ES27								
9.00-9.45 9.00	SPT N=16 D26			4,4/4,4,4,4					
9.50 9.50	B28 ES30								
10.00-10.45	SPT N=15			3,4/3,4,4,4					

Remarks	Scale (approx)	Logged By
	1:50	ST
	Figure No. 22-0073.BTBH12	




Site
Donegal Bundle 1 Flood Relief Scheme
Borehole Number
BTBH12

Machine : Dando 2000 Method : Cable Percussion	Casing Diameter 10inch to 23.55m	Ground Level (mOD) 3.23	Client Donegal County Council	Job Number 22-0073
	Location 637931.3 E 923659.1 N	Dates 20/02/2023- 21/02/2023	Engineer RPS	Sheet 2/3

Depth (m)	Sample / Tests	Casing Depth (m)	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
10.00	D29						... as previous		
10.50 10.50	B31 ES32				-7.37	10.60	Medium dense grey silty fine to coarse SAND with occasional layers of silt.		
11.00-11.45	SPT N=16			4,4/4,4,4,4					
11.50	ES35								
12.00-12.45 12.00	SPT N=16 D34			3,3/4,4,4,4					
12.50 12.50	B33 ES38								
13.00-13.45 13.00	SPT N=16 D37			2,3/3,4,4,5		(4.90)			
13.50 13.50	B36 ES41								
14.00-14.45 14.00	SPT N=17 D40			4,3/4,4,4,5					
14.50 14.50 14.50	B39 B42 ES44								
15.00-15.45 15.00	SPT N=17 D43			3,3/4,5,4,4					
15.50 15.50	B45 ES47				-12.27	15.50	Firm grey sandy SILT. Sand is fine to coarse.		
16.00-16.45 16.00	SPT N=16 D46			2,3/4,4,4,4					
16.50 16.50	B48 ES50								
17.00-17.45 17.00	SPT N=14 D49			1,2/3,4,3,4					
17.50 17.50	B51 ES53								
18.00-18.45 18.00	SPT N=14 D52			2,3/3,3,4,4					
18.50 18.50	B54 ES56								
19.00-19.45 19.00	SPT N=15 D55			3,4/3,4,4,4		(7.20)			
19.50 19.50	B57 ES59								
20.00-20.45	SPT N=16			2,2/3,4,4,5					

Remarks	Scale (approx)	Logged By
	1:50	ST
	Figure No. 22-0073.BTBH12	

							Site Donegal Bundle 1 Flood Relief Scheme		Borehole Number BTBH12
Machine : Dando 2000 Method : Cable Percussion		Casing Diameter 10inch to 23.55m		Ground Level (mOD) 3.23		Client Donegal County Council		Job Number 22-0073	
		Location 637931.3 E 923659.1 N		Dates 20/02/2023- 21/02/2023		Engineer RPS		Sheet 3/3	
Depth (m)	Sample / Tests	Casing Depth (m)	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
20.00	D58						... as previous		
20.50 20.50	B60 ES62								
21.00-21.45 21.00	SPT N=18 D61			2,3/4,5,4,5					
21.50 21.50	B63 ES65								
22.00-22.45 22.00	SPT N=16 D64			2,2/3,4,4,5					
22.50 22.70	ES68 B66				-19.47	22.70	Medium dense grey slightly sandy sub rounded medium to coarse GRAVEL of mixed lithologies		
23.00-23.45 23.00	SPT N=17 D67			3,3/4,5,4,4		(0.84)			
23.55-23.55	SPT 25*/0 50/0			25/50	-20.31 -20.32	23.54 23.55	Possible boulder/rock		
							Complete at 23.55m		
Remarks								Scale (approx) 1:50	Logged By ST
								Figure No. 22-0073.BTBH12	



Site
Donegal Bundle 1 Flood Relief Scheme

Borehole Number
BTBH13

Machine : Dando 2000	Casing Diameter 10inch to 17.20m	Ground Level (mOD) 3.20	Client Donegal County Council	Job Number 22-0073
Method : Cable Percussion	Location 637888.137 E 923668.545 N	Dates 27/02/2023-01/03/2023	Engineer RPS	Sheet 1/2

Depth (m)	Sample / Tests	Casing Depth (m)	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.00-0.30	B1						MADE GROUND described as sandy very gravely COBBLES of mixed lithologies. Sand is fine to coarse. Gravel is subangular fine to coarse of mixed lithologies.		
0.20	D2				(0.90)				
0.50	ES3				2.30	0.90			
1.00	D5						Medium dense grey very sandy sub angular fine to coarse GRAVEL of mixed lithologies. Sand is fine to coarse.		
1.00-1.20	B4			2,2/3,3,3,3					
1.20-1.65	SPT N=12								
1.20-1.70	B7								
1.50	ES6								
2.00	D8								
2.20-2.65	SPT(C) N=14			1,2/3,4,4,3					
2.50	ES9					(3.30)			
3.20-3.65	SPT(C) N=19			2,2/4,4,5,6					
3.20-3.70	B10								
4.00	D11								
4.50-4.95	SPT N=16			2,3/3,4,4,5			Medium dense greenish brown silty fine to coarse SAND.		
4.50	ES12								
4.50-5.00	B13								
5.00	D14								
5.50-5.95	SPT N=16			2,2/3,4,4,5					
5.50	ES15								
5.50-6.00	B16								▼1
6.00	D17								
6.50-6.95	SPT N=20			2,2/3,5,6,6					
6.50	ES18								
6.50-7.00	B19			Water strike(1) at 6.70m, rose to 5.80m in 20 mins.					▼1
7.00	D20								
7.50-7.95	SPT N=23			3,5/5,6,6,6					
7.50	ES21								
7.50-8.00	B22								
8.00	D23								
8.50-8.95	SPT N=15			1,2/3,4,4,4					
8.50	ES24								
8.50-9.00	B25								
9.00	D26								
9.50-9.95	SPT N=14			2,2/3,3,4,4					
9.50	ES27								
9.50-10.00	B28								

Remarks	Scale (approx)	Logged By
	1:50	ST
	Figure No. 22-0073.BTBH13	



Site
Donegal Bundle 1 Flood Relief Scheme

Borehole Number
BTBH13

Machine : Dando 2000	Casing Diameter 10inch to 17.20m	Ground Level (mOD) 3.20	Client Donegal County Council	Job Number 22-0073
Method : Cable Percussion	Location 637888.137 E 923668.545 N	Dates 27/02/2023-01/03/2023	Engineer RPS	Sheet 2/2

Depth (m)	Sample / Tests	Casing Depth (m)	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
10.00	D29					(12.20)	... as previous		
10.50-10.95	SPT N=13 ES30			2,3/3,3,3,4					
10.50-11.00	B31								
11.00	D32								
11.50-11.95	SPT N=12 ES33			1,2/3,3,3,3					
11.50-12.00	B34								
12.00	D35								
12.50-12.95	SPT N=10 ES36			2,2/2,3,2,3					
12.50-13.00	B37								
13.00	D38								
13.50-13.95	SPT N=13 ES39			2,2/3,3,3,4					
13.50-14.00	B40								
14.00	D41								
14.50-14.95	SPT N=11 ES42			2,3/2,2,3,4					
14.50-15.00	B43								
15.00	D44								
15.50-15.95	SPT N=14 ES45			2,2/3,3,4,4					
15.50-16.00	B46								
16.00	D47								
16.40	D48				-13.20	16.40	Possible boulder/rock		
16.60-16.80	SPT 50/50			6,12/12,14,24		(0.80)			
17.20-17.35	SPT(C) 50/0			10,15/50	-14.00	17.20	Complete at 17.35m		
17.20	D49								

Remarks	Scale (approx)	Logged By
	1:50	ST
	Figure No. 22-0073.BTBH13	



Site
Donegal Bundle 1 Flood Relief Scheme

Number
BT-BH01

Machine : Archway Competitor
Method : Drive-in Windowless Sampler

Dimensions
113mm to 3.02m

Ground Level (mOD)
4.19

Client
Donegal County Council

Job Number
22-0073

Location
638213.486 E 923725.538 N

Dates
13/02/2023

Engineer
RPS

Sheet
1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.50 0.50-1.00	ES3 B1			3.89	(0.30)	TOPSOIL		
1.00	D2		1,1/1,1,1,1	3.59	0.30 (0.30) 0.60	Very soft to soft brown slightly sandy gravelly silty CLAY. Sand is fine to coarse. Gravel is subangular fine to coarse of mixed lithologies.		▼1
1.20-1.65	SPT N=4					Very soft to soft brownish grey slightly sandy gravelly silty CLAY with low cobble content. Sand is fine to coarse. Gravel is subangular fine to medium of mixed lithologies.		▽1
1.50 1.50-2.00	ES6 B4		Water strike(1) at 1.60m, rose to 0.70m in 20 mins.		(2.40)			
2.00-2.45 2.00	SPT N=4 D5		1,1/1,1,1,1					
2.50 2.50-3.00	ES9 B7							
3.00-3.02 3.00	SPT 75*/20 D8		25,50/	1.19 1.17	3.00 3.02	Possible boulder/rock Complete at 3.02m		

Remarks
Refusal at 3.02m on possible boulder/rock

Scale (approx)
1:50

Logged By
ST

Figure No.
22-0073.BT-BH01



Site
Donegal Bundle 1 Flood Relief Scheme

Number
BT-BH01A

Machine : Archway Competitor
Method : Drive-in Windowless Sampler

Dimensions
113mm to 4.30m

Ground Level (mOD)
5.41

Client
Donegal County Council

Job Number
22-0073

Location
638249 E 923657 N

Dates
13/02/2023

Engineer
RPS

Sheet
1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.50 0.50-1.00	ES3 B1			5.11 4.91	(0.30) 0.30 (0.20) 0.50	<p>TOPSOIL</p> <p>Very soft to soft brown slightly sandy gravelly silty CLAY. Sand is fine to coarse. Gravel is subangular fine to coarse of mixed lithologies.</p>		
1.00	D2		1,0/1,1,1,1			<p>Very soft to soft brownish grey slightly sandy gravelly silty CLAY with low cobble content. Sand is fine to coarse. Gravel is subangular fine to medium of mixed lithologies.</p>		▼1
1.20-1.65	SPT N=4		1,0/1,1,1,1					▽1
1.50 1.50-2.00	ES6 B4		Water strike(1) at 1.60m, rose to 1.10m in 20 mins.					
2.00-2.45 2.00	SPT N=3 D5		1,1/0,1,1,1		(3.79)			
2.50 2.50-3.00	ES9 B7							
3.00-3.45 3.00	SPT N=4 D8		1,1/1,1,1,1					
3.50 3.50-4.00	ES12 B10							
4.00-4.30 4.00	SPT 50/145 D11		1,2/1,49	1.12 1.11	4.29 4.30	<p>Possible boulder/rock</p> <p>Complete at 4.30m</p>		

Remarks
Refusal at 4.3m on possible boulder/rock

Scale (approx)
1:50

Logged By
ST

Figure No.
22-0073.BT-BH01A



					Site Donegal Bundle 1 Flood Relief Scheme		Number BT-BH06	
Machine : Archway Competitor Method : Drive-in Windowless Sampler		Dimensions 113mm to 5.00m		Ground Level (mOD) 6.43		Client Donegal County Council		Job Number 22-0073
		Location 638047.111 E 923771.668 N		Dates 07/02/2023		Engineer RPS		Sheet 1/1
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.50 0.50-1.00	ES3 B1				(1.30)	MADE GROUND described as brown slightly sandy clay fill.		
1.00	D2							
1.20-1.65	SPT N=16		3,4/4,6,3,3	5.13	1.30	Firm brownish grey slightly sandy gravelly SILT/CLAY. Sand is fine to coarse. Gravel is subangular fine to coarse of mixed lithologies.		
1.50 1.50-2.00	ES6 B4				(0.90)			
2.00	D5		Water strike(1) at 2.00m, no rise after 20 mins. 2,2/3,2,3,2	4.23	2.20	Firm greyish brown slightly gravelly very sandy SILT/CLAY. Sand is fine to coarse. Gravel is subangular fine to coarse of mixed lithologies.		▼1
2.00-2.45	SPT N=10				(0.50)			
2.50 2.50-3.00	ES9 B7				2.70	Firm to stiff brownish grey slightly gravelly sandy SILT/CLAY. Sand is fine to coarse. Gravel is subangular fine to coarse of mixed lithologies.		
3.00-3.45 3.00	SPT N=13 D8		3,3/3,4,3,3					
3.50 3.50-4.00	ES12 B10				(2.30)			
4.00-4.45 4.00	SPT N=19 D11		3,4/5,4,5,5					
4.50 4.50-5.00	ES15 B13							
5.00	D14			1.43	5.00	Complete at 5.00m		

Remarks Schedule depth achieved							Scale (approx) 1:50	Logged By ST
							Figure No. 22-0073.BT-BH06	



Site
Donegal Bundle 1 Flood Relief Scheme

Number
BT-BH08

Machine : Archway Competitor Method : Drive-in Windowless Sampler	Dimensions 113mm to 4.40m	Ground Level (mOD) 6.39	Client Donegal County Council	Job Number 22-0073
	Location 638152.915 E 923800.063 N	Dates 08/02/2023	Engineer RPS	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.50 0.50-1.00	ES3 B1			5.49	(0.90)	MADE GROUND described as reworked brown slightly sandy gravelly clay with cobbles.		
1.00 1.20-1.65	D2 SPT N=10		2,3/2,2,3,3		0.90	Loose to medium dense brown sandy subangular fine to coarse GRAVEL of mixed lithologies. Sand is fine to coarse.		
1.50 1.50-2.00	ES6 B4			2.79	(2.70)			
2.00-2.45 2.00	SPT N=12 D5		2,3/3,3,3,3					
2.50 2.50-3.00	ES9 B7							
3.00-3.45 3.00	SPT N=14 D8			2.00 1.99		Water strike(1) at 2.80m, no rise after 20 mins. 3,4/3,4,3,4		
3.50 3.60-4.00	ES12 B10				3.60	Medium dense grey silty fine to coarse SAND.		
4.00-4.40 4.00	SPT 50/245 D11		4,5/5,5,5,35		(0.79)	Possible boulder/rock		
					4.39 4.40	Complete at 4.40m		

Remarks	Scale (approx)	Logged By
	1:50	ST
Figure No. 22-0073.BT-BH08		



Site
Donegal Bundle 1 Flood Relief Scheme

Number
BTBH11

Machine : Archway Competitor
Method : Drive-in Windowless Sampler

Dimensions
113mm to 3.63m

Ground Level (mOD)
2.70

Client
Donegal County Council

Job Number
22-0073

Location
637853 E 923729 N

Dates
27/02/2023

Engineer
RPS

Sheet
1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.50 0.50	B1 ES3				(1.10)	Brown slightly sandy slightly gravelly silty CLAY. Sand is fine to coarse. Gravel is subangular fine to coarse of mixed lithologies.		
1.00	D2			1.60	1.10	Soft grey slightly sandy SILT. Sand is fine to coarse.		
1.20-1.65	SPT N=5		1,1/1,1,1,2 Water strike(1) at 1.40m, no rise after 20 mins.	1.25	1.45	Medium dense grey sandy subangular fine to coarse GRAVEL of mixed lithologies. Sand is fine to coarse.		▼1
1.50 1.50 1.50	B4 ES6 ES9							
2.00-2.45 2.00	SPT N=15 D5		2,3/3,4,4,4		(1.95)			
2.50	B7							
3.00-3.43 3.00	SPT 50/280 D8		2,3/4,4,5,37	-0.70 -0.73	3.40 3.43	Possible boulder/rock		
						Complete at 3.63m		

Remarks

Scale (approx)
1:50

Logged By
ST

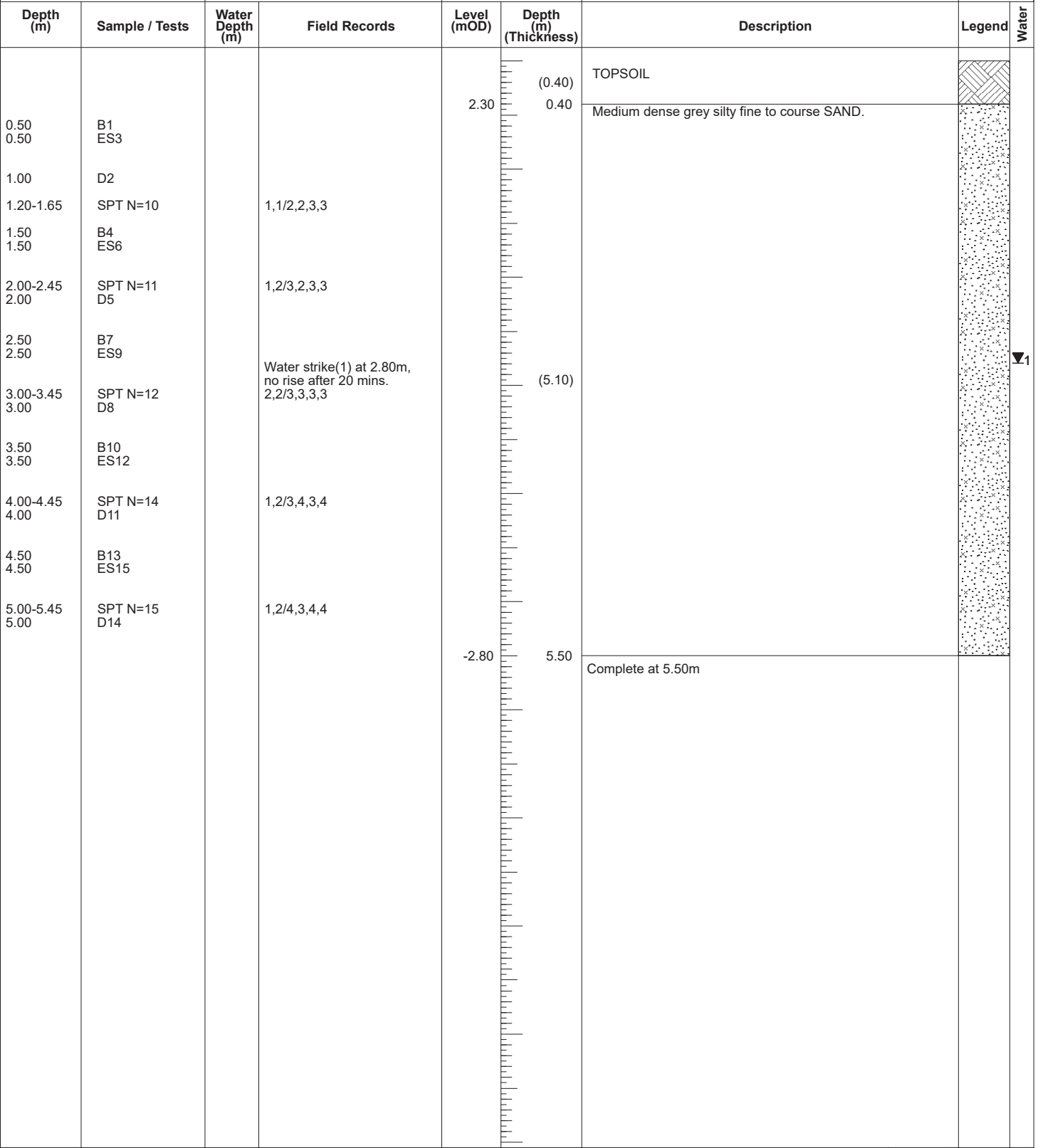
Figure No.
22-0073.BTBH11



Site
Donegal Bundle 1 Flood Relief Scheme

Number
BTBH14

Machine : Archway Competitor Method : Drive-in Windowless Sampler	Dimensions 113mm to 5.50m	Ground Level (mOD) 2.70	Client Donegal County Council	Job Number 22-0073
	Location 637879.884 E 923625.875 N	Dates 28/02/2023	Engineer RPS	Sheet 1/1



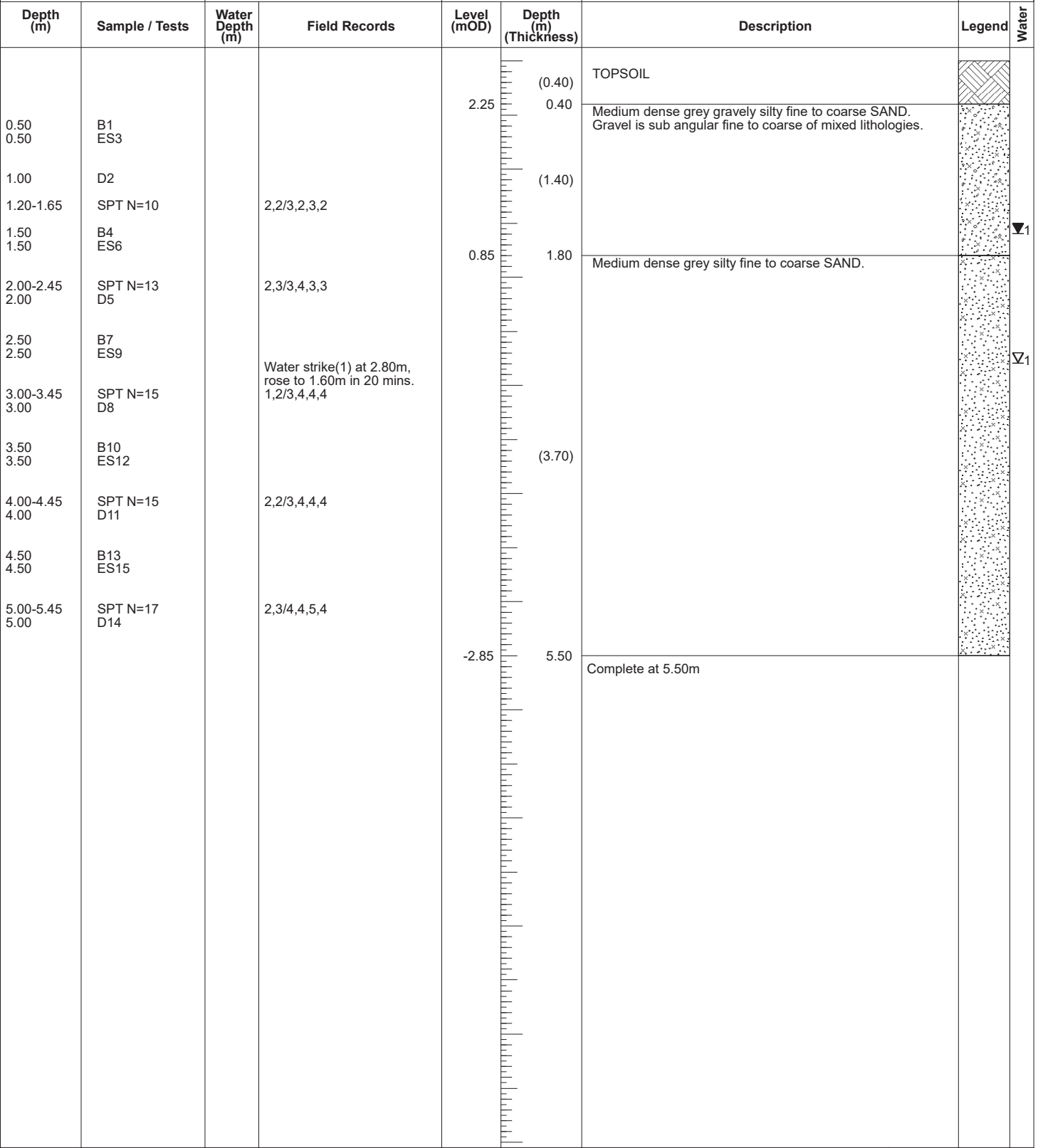
Remarks	Scale (approx)	Logged By
	1:50	ST
	Figure No. 22-0073.BTBH14	



Site
Donegal Bundle 1 Flood Relief Scheme

Number
BTBH15

Machine : Archway Competitor Method : Drive-in Windowless Sampler	Dimensions 113mm to 5.50m	Ground Level (mOD) 2.65	Client Donegal County Council	Job Number 22-0073
	Location 637939.463 E 923557.988 N	Dates 27/02/2023	Engineer RPS	Sheet 1/1



Remarks	Scale (approx)	Logged By
	1:50	ST
	Figure No. 22-0073.BTBH15	