

Project Number: 22_112
Project: Unit 1, M50 Business Park
Title: SuDS Management Plan Report



Appendix A Borehole and Trial Pit Logs

Contract No: 6032	Trial Pit Log				Trial Pit No: TP01	
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Contract:	DUB602 - Ski Lodge	Easting:	709884.685	Date:	22/08/2022
Location:	Ballymount, Dublin 12	Northing:	730169.540	Excavator:	JCB 3CX
Client:	-	Elevation:	67.76	Logged By:	P. McGonagle
Engineer:	Arup	Dimensions (LxWxD) (m):	2.00 x 0.60 x 1.20	Status:	FINAL


Level (mbgl)		Stratum Description	Legend	Level (mOD)		Samples / Field Tests			Water Strike
Scale:	Depth			Scale:	Depth:	Depth	Type	Result	
	0.12	MADE GROUND: concrete.			67.64				
	0.25	MADE GROUND: reinforced concrete.			67.51				
	0.48	MADE GROUND: grey silty sandy gravel (Cl. 804).			67.28				
	0.90	MADE GROUND: grey silty sandy gravel (Cl. 6F2).			67.0				
	1.00	Stiff brown slightly sandy gravelly silty CLAY with high cobble content. Sand is fine to coarse. Gravel is fine to coarse, angular to subangular of sandstone. Cobbles are angular to subangular of sandstone.			66.86	1.00	B	PMc23	
	1.00					1.00	D	PMc24	
	1.00					1.00	ES	PMc25	
	1.20	Obstruction - possible boulders. Pit terminated at 1.20m			66.56				
	1.5				66.5				
	2.0				66.0				
	2.5				65.5				
					65.0				

	Termination:	Pit Wall Stability:	Groundwater Rate:	Remarks:	Key:
	Obstruction - possible boulders.	Pit walls stable.	Dry	-	B = Bulk disturbed D = Small disturbed

Contract No: 6032	Trial Pit Log	Trial Pit No: TP02
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Contract: DUB602 - Ski Lodge	Easting: 709852.288	Date: 22/08/2022
Location: Ballymount, Dublin 12	Northing: 730159.299	Excavator: JCB 3CX
Client: -	Elevation: 67.51	Logged By: P. McGonagle
Engineer: Arup	Dimensions (LxWxD) (m): 2.00 x 0.60 x 1.35	Status: FINAL


Level (mbgl)	Stratum Description	Legend	Level (mOD)		Samples / Field Tests			Water Strike
			Scale:	Depth:	Depth	Type	Result	
0.12	MADE GROUND: concrete.			67.39				
0.27	MADE GROUND: reinforced concrete.			67.24				
0.54	MADE GROUND: grey silty sandy gravel (Cl. 804).			67.0				
0.95	Firm brown slightly sandy slightly gravelly silty CLAY with low cobble content. Sand is fine to coarse. Gravel is fine to coarse, angular to subangular of sandstone. Cobbles are angular to subangular of sandstone.			66.97	0.60	ES	PMc26	
1.35	Stiff brown slightly sandy very gravelly silty CLAY with high cobble content. Sand is fine to coarse. Gravel is fine to coarse, angular to subangular of sandstone. Cobbles are angular to subangular of sandstone.			66.56	0.80 0.80	B D	PMc27 PMc28	
1.35	Obstruction - possible boulders. Pit terminated at 1.35m			66.16	1.30 1.30	B D	PMc29 PMc30	
1.5				66.0				
2.0				65.5				
2.5				65.0				





	Termination: Obstruction -	Pit Wall Stability: Pit walls stable.	Groundwater Rate: Dry	Remarks: -	Key: B = Bulk disturbed D = Small disturbed
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Contract No: 6032	Trial Pit Log	Trial Pit No: TP03
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Contract:	DUB602 - Ski Lodge	Easting:	709813.662	Date:	19/08/2022
Location:	Ballymount, Dublin 12	Northing:	730171.918	Excavator:	3T tracked excavator
Client:	-	Elevation:	67.59	Logged By:	P. McGonagle
Engineer:	Arup	Dimensions (LxWxD) (m):	3.30 x 0.30 x 0.70	Status:	FINAL

Level (mbgl) Scale: Depth	Stratum Description	Legend	Level (mOD)		Samples / Field Tests			Water Strike
			Scale:	Depth:	Depth	Type	Result	
0.10	TOPSOIL.		67.5	67.49				
0.50	MADE GROUND: brown slightly sandy slightly gravelly silty clay with low brick content.		67.0		0.50	ES	PMc20	
0.70	MADE GROUND: brown slightly sandy gravelly silty clay with low cobble content.		67.0		0.60	B	PMc21	
0.70	30mm PVC water main encountered - pit terminated. Pit terminated at 0.70m		66.89		0.60	D	PMc22	
1.0			66.5					
1.5			66.0					
2.0			65.5					
2.5			65.0					

	Termination:	Pit Wall Stability:	Groundwater Rate:	Remarks:	Key:
	Underground service	Pit walls stable.	Dry	-	B = Bulk disturbed D = Small disturbed

Contract No: 6032		Trial Pit Log					Trial Pit No: TP05	
Contract:	DUB602 - Ski Lodge	Easting:	709817.922	Date:	22/08/2022			
Location:	Ballymount, Dublin 12	Northing:	730113.294	Excavator:	JCB 3CX			
Client:	-	Elevation:	67.60	Logged By:	P. McGonagle			
Engineer:	Arup	Dimensions (LxWxD) (m):	2.00 x 0.60 x 2.00	Status:	FINAL			
Level (mbgl)	Stratum Description		Legend	Level (mOD)		Samples / Field Tests		Water Strike
Scale: Depth				Scale:	Depth:	Depth	Type	Result
0.08	MADE GROUND: tarmacadam.			67.5	67.52			
0.16	MADE GROUND: grey silty sandy gravel (Cl. 804).				67.44			
0.5	Firm becoming stiff brown slightly sandy slightly gravelly silty CLAY with low cobble content. Sand is fine to coarse. Gravel is fine to coarse, angular to subangular of sandstone. Cobbles are angular to subangular of sandstone.					0.50	ES	PMc31
1.0						1.00 1.00	B D	PMc32 PMc33
2.0	Pit terminated at 2.00m			65.5	65.60	2.00 2.00	B D	PMc34 PMc35
2.5				65.0				
		Termination:	Pit Wall Stability:	Groundwater Rate:	Remarks:		Key:	
		Scheduled depth.	Pit walls stable.	Dry	-		B = Bulk disturbed D = Small disturbed CBR = Undisturbed CBR ES = Environmental	

TP01 Sidewall



TP01 Spoil



TP02 Sidewall



TP02 Spoil



TP03 Sidewall



TP03 Spoil



TP04 Sidewall



TP04 Spoil



TP05 Sidewall



TP05 Spoil



Contract No: 6032	Window Sample Log				Corehole No: WS01
Contract:	DUB602 - Ski Lodge	Easting:	709849.232	Date Started:	31/08/2022
Location:	Ballymount, Dublin 12	Northing:	730203.113	Logged By:	D. Clarke
Client:	-	Elevation:	67.26	Scale:	1:15
Engineer:	Arup	Rig Type:	Competitor 130	Sheet No:	Sheet 1 of 1

Depth (m)		Strata Description	Legend	Level (mOD)		Samples			Backfill
Scale	Depth			Scale	Level	Depth	Type	Ref.	
		TOPSOIL.							
	0.20	MADE GROUND: grey silty sandy gravel with low cobble content.			67.06				
	0.30	Firm brown slightly sandy gravelly silty CLAY with high cobble content.		67.0	66.96				
	0.50								
	0.70	Brown silty gravelly SAND.			66.56				
	1.00								
	1.50								
	1.60	Brown silty sandy GRAVEL with low cobble content.			65.66				
	2.00	No recovery.			65.26				
	2.50								
	3.00	End of Sample at 3.00m			64.26				



Remarks:
No recovery from 2.00m to 3.00m.

WS01 0.00m - 1.00m

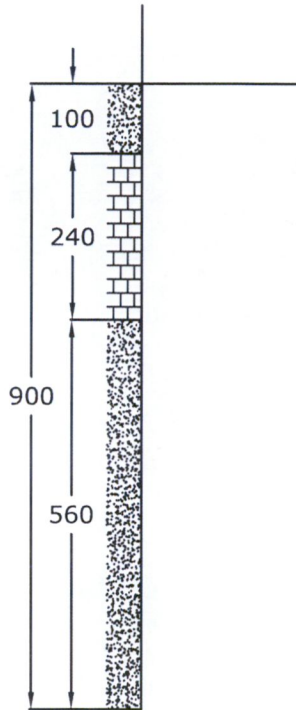


WS01 1.00m - 2.00m



Foundation Pits

FIP01



Foundation Details:

100mm concrete overlying 240mm blocks overlying 560mm concrete. No extension from building wall.

Ground Conditions:

0.00m: MADE GROUND: concrete.

0.10m: MADE GROUND: grey silty sandy gravel (mixed CL.804 and Cl. 6F2).

0.54m: Firm brown slightly sandy gravelly silty CLAY with medium cobble content.

1.40m: Pit terminated.



SITE INVESTIGATIONS LTD

Project: DUB602 - Ski Lodge
 Location: Ballymount, Dublin 12
 Consultant: Arup

Logged by:
P. McGonagle

Excavation Started:
18/08/2022

Excavation Finished:
18/08/2022

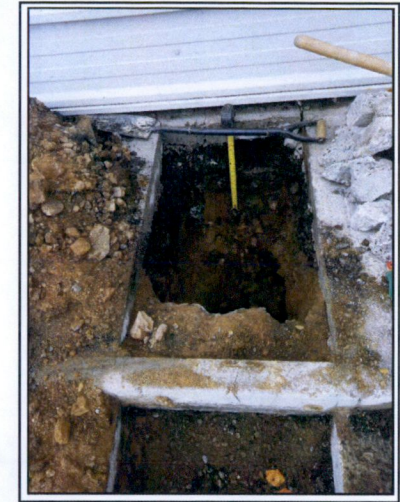
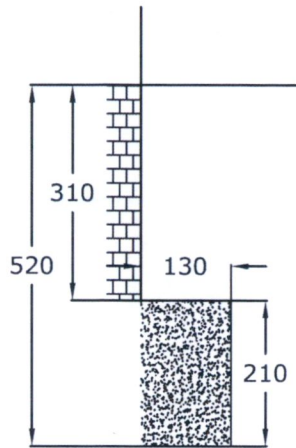
Scale:
NOT TO SCALE, ALL DISTANCES IN mm

DEPTH ARE TO THE TOP OF SERVICES

60

Foundation Pits

FIP02



Foundation Details:

310mm concrete blocks overlying 210mm concrete foundation, extends 130mm from wall.

Ground Conditions:

0.00m: MADE GROUND: concrete.

0.10m: MADE GROUND: grey silty sandy gravel (mixed CL.804 and Cl. 6F2).

0.35m: Firm brown slightly sandy gravelly silty CLAY with medium cobble content.

1.20m: Pit terminated.



SITE INVESTIGATIONS LTD

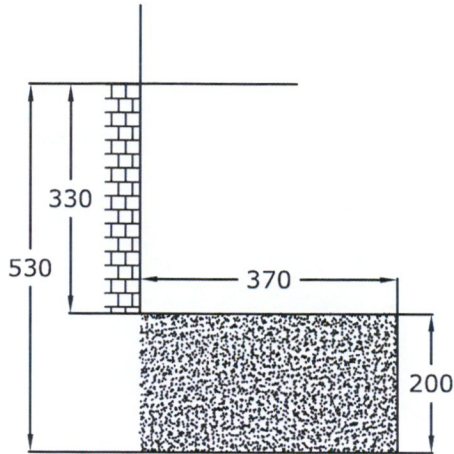
Project: DUB602 - Ski Lodge
 Location: Ballymount, Dublin 12
 Consultant: Arup

Logged by: P. McGonagle
 Excavation Started: 18/08/2022
 Excavation Finished: 18/08/2022
 Scale: NOT TO SCALE, ALL DISTANCES IN mm
 DEPTH ARE TO THE TOP OF SERVICES

60

Foundation Pits

FIP03



Foundation Details:

330mm concrete blocks overlying 200mm concrete foundation, extends 370mm from wall.

Ground Conditions:

0.00m: MADE GROUND: tarmacadam.

0.06m: MADE GROUND: grey silty sandy gravel (CL.804).

0.44m: Firm brown slightly sandy slightly gravelly silty CLAY with medium cobble content.

0.60m: Pit terminated.



SITE INVESTIGATIONS LTD

Project: DUB602 - Ski Lodge
 Location: Ballymount, Dublin 12
 Consultant: Arup

Logged by:
P. McGonagle

Excavation Started:
19/08/2022

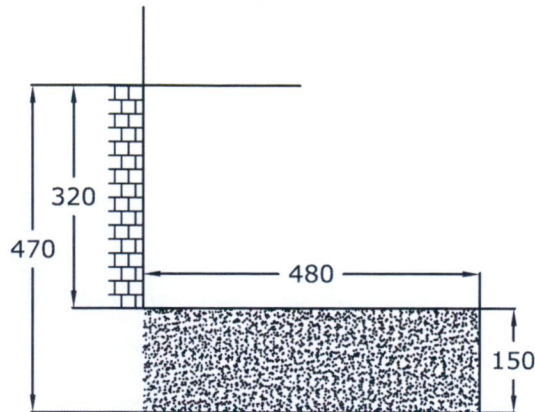
Excavation Finished:
19/08/2022

Scale:
NOT TO SCALE, ALL DISTANCES IN mm
DEPTH ARE TO THE TOP OF SERVICES

603

Foundation Pits

FIP04



Foundation Details:

320mm concrete blocks overlying 150mm concrete foundation, extends 480mm from wall.

Ground Conditions:

0.00m: MADE GROUND: tarmacadam.

0.06m: MADE GROUND: grey silty sandy gravel (CL.804).

0.36m: Firm brown sandy gravelly silty CLAY with medium cobble content.

0.55m: Pit terminated.



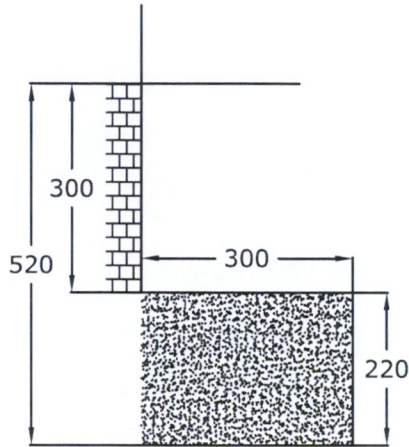
SITE INVESTIGATIONS LTD

Project: DUB602 - Ski Lodge
 Location: Ballymount, Dublin 12
 Consultant: Arup

Logged by: P. McGonagle
 Excavation Started: 19/08/2022
 Excavation Finished: 19/08/2022
 Scale: NOT TO SCALE, ALL DISTANCES IN mm
 DEPTH ARE TO THE TOP OF SERVICES

Foundation Pits

FIP05



Foundation Details:

300mm concrete blocks overlying 220mm concrete foundation, extends 300mm from wall.

Ground Conditions:

- 0.00m:** MADE GROUND: tarmacadam.
- 0.06m:** MADE GROUND: grey silty sandy gravel (CL.804).
- 0.18m:** Firm brown slightly sandy slightly gravelly silty CLAY with medium cobble content.
- 0.60m:** Pit terminated.



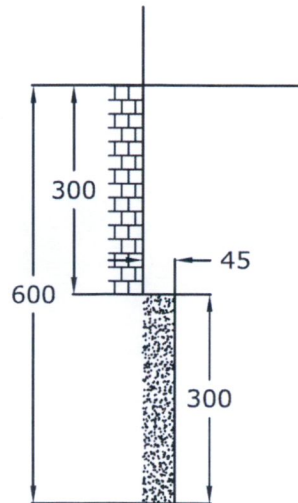
SITE INVESTIGATIONS LTD

Project: DUB602 - Ski Lodge
 Location: Ballymount, Dublin 12
 Consultant: Arup

Logged by: P. McGonagle	Excavation Started: 19/08/2022	Excavation Finished: 19/08/2022	CO N
Scale: NOT TO SCALE, ALL DISTANCES IN mm			603
DEPTH ARE TO THE TOP OF SERVICES			

Foundation Pits

FIP06

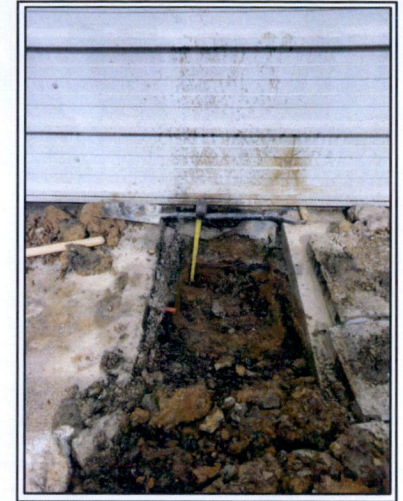


Foundation Details:

300mm concrete blocks overlying 300mm concrete foundation, extends 45mm from wall.

Ground Conditions:

- 0.00m:** MADE GROUND: concrete.
- 0.10m:** MADE GROUND: grey silty sandy gravel (mixed CL.804 and CL. 6F2).
- 0.20m:** Firm brown slightly sandy slightly gravelly silty CLAY with medium cobble content.
- 0.70m:** Pit terminated.



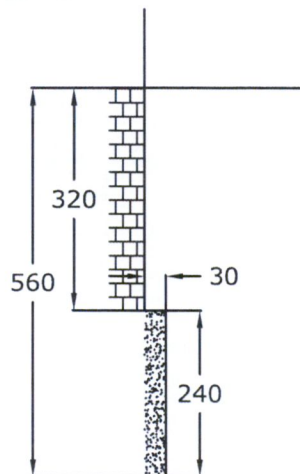
SITE INVESTIGATIONS LTD

Project:	DUB602 - Ski Lodge	Logged by:	P. McGonagle	Excavation Started:	18/08/2022	Excavation Finished:	18/08/2022
Location:	Ballymount, Dublin 12	Scale:	NOT TO SCALE, ALL DISTANCES IN mm				
Consultant:	Arup	DEPTH ARE TO THE TOP OF SERVICES					

60

Foundation Pits

FIP07



Foundation Details:

320mm concrete blocks overlying 240mm concrete foundation, extends 30mm from wall.

Ground Conditions:

- 0.00m:** MADE GROUND: concrete.
- 0.08m:** MADE GROUND: grey silty sandy gravel (CL.804).
- 0.38m:** Firm brown slightly sandy slightly gravelly silty CLAY with medium cobble content.
- 0.60m:** Pit terminated.



SITE INVESTIGATIONS LTD

Project: DUB602 - Ski Lodge
 Location: Ballymount, Dublin 12
 Consultant: Arup

Logged by: P. McGonagle	Excavation Started: 22/08/2022	Excavation Finished: 22/08/2022	CD N
Scale: NOT TO SCALE, ALL DISTANCES IN mm			603
DEPTH ARE TO THE TOP OF SERVICES			

Contract No: 6032	Rotary Corehole Log				Corehole No: RC01
Contract:	DUB602 - Ski Lodge	Easting:	709870.698	Date Started:	14/09/2022
Location:	Ballymount, Dublin 12	Northing:	730179.994	Date Completed:	14/09/2022
Client:	-	Elevation:	67.50	Drilled By:	MEDL
Engineer:	Arup	Rig Type:	Sondeq	Status:	FINAL

Depth (m) Scale	Depth	Stratum Description	Legend	Level (mOD)		Samples	Rock Indices				Backfill	
				Scale	Depth		TCR/%	SCR/%	RQD/%	FI/m		
0.5		Hand dug excavation pit.										
1.0	1.00	Open hole drilling - driller reports returns of brown silty sandy CLAY with cobbles and boulders.			67.0							
1.5					66.5							
2.0					66.0							
2.5					65.5							
3.0					65.0							
3.5					64.5							
4.0					64.0							
4.5					63.5							
5.0					63.0							
5.5					62.5							
6.0					62.0							
6.5					61.5							
7.0					61.0							
7.5					60.5							
8.0	8.10	Moderately strong to strong light grey LIMESTONE with abundant karstic features. Slightly to moderately weathered. <i>Discontinuities - rough, planar to undulating and stepped, tight to open, sub-horizontal and 30-50° dip, surfaces stained brown with some clay infilling.</i>			60.0							
8.5					59.5							
9.0		<i>Discontinuities - non-intact.</i>			59.0							
9.5		<i>Discontinuities - karstic feature.</i>			58.5							
		<i>Discontinuities - non-intact.</i>			58.0							
					59.40	8.10 - 9.10	94	80	70	6		
						9.10 - 9.40	100	83	63	Ni		
						9.40 - 10.30	33	0	0	Cave		

Continued on next page

Installation:		Backfill:		Remarks:	
From:	To:	Pipe Type:	From:	To:	Type:


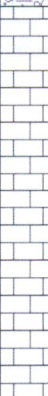
Contract No: 6032	Rotary Corehole Log	Corehole No: RC01
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Contract:	DUB602 - Ski Lodge	Easting:	709870.698	Date Started:	14/09/2022
Location:	Ballymount, Dublin 12	Northing:	730179.994	Date Completed:	14/09/2022
Client:	-	Elevation:	67.50	Drilled By:	MEDL
Engineer:	Arup	Rig Type:	Sondeq	Status:	FINAL

Depth (m)		Stratum Description	Legend	Level (mOD)		Samples	Rock Indices				Backfill	
Scale	Depth			Scale	Depth		TCR/%	SCR/%	RQD/%	FI/m		
		Moderatley strong to stong light grey LIMESTONE with abundant karstic features. Slightly to moderately weathered. <i>Discontinuities - karstic feature.</i> <i>Discontinuities - rough, planar and stepped, tight to open, sub-horizontal and 40-50° dip, occasionally sub-vertical, surfaces stained brown.</i>		57.0		10.30 - 11.00	0	0	0	Ni		
10.5				56.5			11.00 - 11.80	90	69	58		3
11.0				56.0			11.80 - 12.50	36	36	23		
11.5				55.5								
12.0				55.0	55.00							
12.5	12.50	End of Corehole at 12.50m										
13.0				54.5								
13.5				54.0								
14.0				53.5								
14.5				53.0								
15.0				52.5								
15.5				52.0								
16.0				51.5								
16.5				51.0								
17.0				50.5								
17.5				50.0								
18.0				49.5								
18.5				49.0								
19.0				48.5								
19.5				48.0								

	Installation:			Backfill:			Remarks: -
	From:	To:	Pipe Type:	From:	To:	Type:	
				0.00	12.50	Bentonite	

Contract:	DUB602 - Ski Lodge	Easting:	709816.994	Date Started:	13/09/2022
Location:	Ballymount, Dublin 12	Northing:	730112.498	Date Completed:	14/09/2022
Client:	-	Elevation:	67.57	Drilled By:	MEDL
Engineer:	Arup	Rig Type:	Sondeq	Status:	FINAL

Depth (m)		Stratum Description	Legend	Level (mOD)		Samples	Rock Indices				Backfill
Scale	Depth			Scale	Depth		TCR/%	SCR/%	RQD/%	FI/m	
		Hand dug excavation pit.		67.5							
0.5				67.0							
1.0	1.00	Open hole drilling - driller reports returns of brown silty sandy CLAY with cobbles and boulders.		66.5	66.57						
1.5				66.0							
2.0				65.5							
2.5				65.0							
3.0				64.5							
3.5				64.0							
4.0				63.5							
4.5				63.0		N=22 (2,3/3,5,7,7)					
5.0				62.5							
5.5				62.0							
6.0				61.5							
6.5				61.0							
7.0				60.5							
7.30	7.30	Moderately strong to strong light grey beige LIMESTONE with frequent calcite veins and abundant karstic features. Slightly to moderately weathered, occasionally highly weathered. <i>Discontinuities - rough, planar and undulating, occasionally stepped, tight to open, sub-horizontal and sub-vertical dip, surfaces stained grey and brown with some clay infilling.</i>		60.0	60.27	7.30 - 8.30	98	61	43	7	
8.0				59.5							
8.5		<i>Discontinuities - rough, planar to slightly undulating and stepped, tight to open, sub-horizontal and 20-30° dip, surfaces stained grey and brown with some clay infilling.</i>		59.0		8.30 - 9.30	100	93	93		3
9.0				58.5							
9.5				58.0		9.30 - 10.30	98	98	84		


Continued on next page

Installation:	Backfill:	Remarks:
From: To: Pipe Type:	From: To: Type:	-
0.00 10.30	Bentonite	

Contract No: 6032	Rotary Corehole Log	Corehole No: RC02
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Contract:	DUB602 - Ski Lodge	Easting:	709816.994	Date Started:	13/09/2022
Location:	Ballymount, Dublin 12	Northing:	730112.498	Date Completed:	14/09/2022
Client:	-	Elevation:	67.57	Drilled By:	MEDL
Engineer:	Arup	Rig Type:	Sondeq	Status:	FINAL

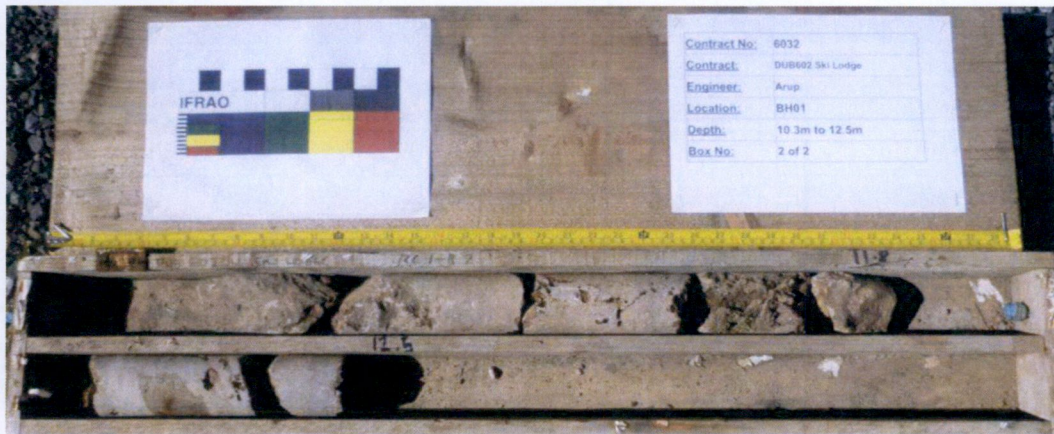
Depth (m)		Stratum Description	Legend	Level (mOD)		Samples	Rock Indices				Backfill
Scale	Depth			Scale	Depth		TCR/%	SCR/%	RQD/%	FI/m	
<div style="display: flex; flex-direction: column; align-items: center;"> <div style="margin-bottom: 5px;">10.30</div> <div style="margin-bottom: 5px;">10.5</div> <div style="margin-bottom: 5px;">11.0</div> <div style="margin-bottom: 5px;">11.5</div> <div style="margin-bottom: 5px;">12.0</div> <div style="margin-bottom: 5px;">12.5</div> <div style="margin-bottom: 5px;">13.0</div> <div style="margin-bottom: 5px;">13.5</div> <div style="margin-bottom: 5px;">14.0</div> <div style="margin-bottom: 5px;">14.5</div> <div style="margin-bottom: 5px;">15.0</div> <div style="margin-bottom: 5px;">15.5</div> <div style="margin-bottom: 5px;">16.0</div> <div style="margin-bottom: 5px;">16.5</div> <div style="margin-bottom: 5px;">17.0</div> <div style="margin-bottom: 5px;">17.5</div> <div style="margin-bottom: 5px;">18.0</div> <div style="margin-bottom: 5px;">18.5</div> <div style="margin-bottom: 5px;">19.0</div> <div style="margin-bottom: 5px;">19.5</div> </div>	<div style="display: flex; flex-direction: column; align-items: center;"> <div style="margin-bottom: 5px;">57.5</div> <div style="margin-bottom: 5px;">57.27</div> <div style="margin-bottom: 5px;">57.0</div> <div style="margin-bottom: 5px;">56.5</div> <div style="margin-bottom: 5px;">56.0</div> <div style="margin-bottom: 5px;">55.5</div> <div style="margin-bottom: 5px;">55.0</div> <div style="margin-bottom: 5px;">54.5</div> <div style="margin-bottom: 5px;">54.0</div> <div style="margin-bottom: 5px;">53.5</div> <div style="margin-bottom: 5px;">53.0</div> <div style="margin-bottom: 5px;">52.5</div> <div style="margin-bottom: 5px;">52.0</div> <div style="margin-bottom: 5px;">51.5</div> <div style="margin-bottom: 5px;">51.0</div> <div style="margin-bottom: 5px;">50.5</div> <div style="margin-bottom: 5px;">50.0</div> <div style="margin-bottom: 5px;">49.5</div> <div style="margin-bottom: 5px;">49.0</div> <div style="margin-bottom: 5px;">48.5</div> <div style="margin-bottom: 5px;">48.0</div> </div>	<p>Moderately strong to strong light grey biege LIMESTONE with frequent calcite veins and abundant karstic features. Slightly to moderately weathered, occasionally highly weathered.</p> <p style="text-align: center;">End of Corehole at 10.30m</p>		<div style="display: flex; flex-direction: column; align-items: center;"> <div style="margin-bottom: 5px;">57.5</div> <div style="margin-bottom: 5px;">57.27</div> <div style="margin-bottom: 5px;">57.0</div> <div style="margin-bottom: 5px;">56.5</div> <div style="margin-bottom: 5px;">56.0</div> <div style="margin-bottom: 5px;">55.5</div> <div style="margin-bottom: 5px;">55.0</div> <div style="margin-bottom: 5px;">54.5</div> <div style="margin-bottom: 5px;">54.0</div> <div style="margin-bottom: 5px;">53.5</div> <div style="margin-bottom: 5px;">53.0</div> <div style="margin-bottom: 5px;">52.5</div> <div style="margin-bottom: 5px;">52.0</div> <div style="margin-bottom: 5px;">51.5</div> <div style="margin-bottom: 5px;">51.0</div> <div style="margin-bottom: 5px;">50.5</div> <div style="margin-bottom: 5px;">50.0</div> <div style="margin-bottom: 5px;">49.5</div> <div style="margin-bottom: 5px;">49.0</div> <div style="margin-bottom: 5px;">48.5</div> <div style="margin-bottom: 5px;">48.0</div> </div>	<div style="display: flex; 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	Installation:			Backfill:			Remarks:
	From:	To:	Pipe Type:	From:	To:	Type:	
				0.00	10.30	Bentonite	-

RC01 Box 1 of 2



RC01 Box 2 of 2



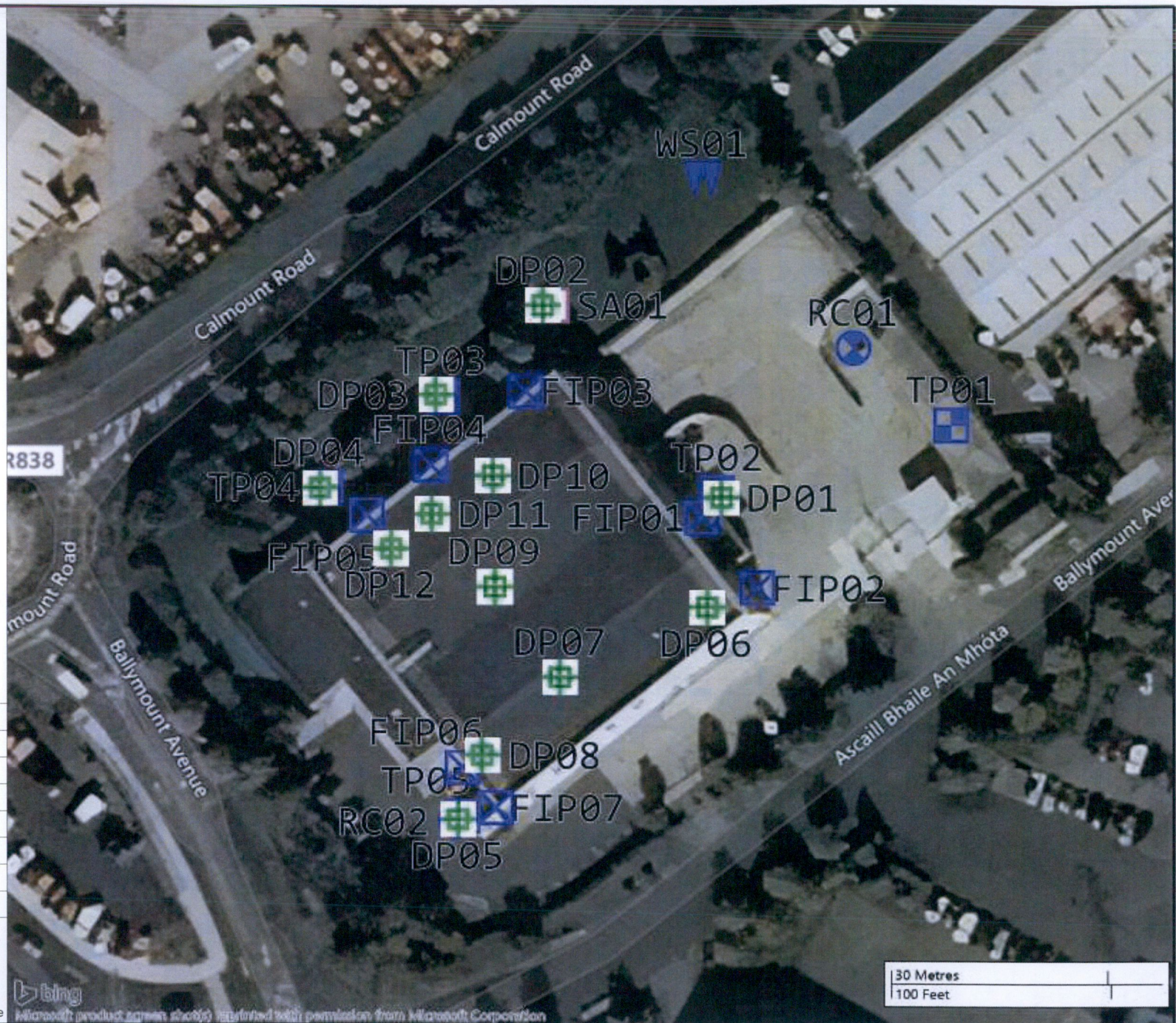
RC02 Box 1 of 1



Survey Data

Location	Irish Transverse Mercator		Elevation	Irish National Grid	
	Easting	Northing		Easting	Northing
Trial Pits					
TP01	709884.685	730169.540	67.76	309957.823	230142.364
TP02	709852.288	730159.299	67.51	309925.419	230132.121
TP03	709813.662	730171.918	67.59	309886.784	230144.742
TP04	709797.689	730158.896	67.76	309870.808	230131.717
TP05	709817.922	730113.294	67.60	309891.046	230086.106
Window Samples					
WS01	709849.232	730203.113	67.26	309922.362	230175.944
Dynamic Probes					
DP01	709852.888	730158.629	67.55	309926.019	230131.451
DP02	709827.424	730184.945	67.47	309900.549	230157.772
DP03	709812.865	730172.133	67.56	309885.987	230144.957
DP04	709796.966	730158.727	67.77	309870.085	230131.548
DP05	709817.329	730112.769	67.58	309890.453	230085.580
Soakaway Tests					
SA01	709828.569	730184.944	67.56	309901.694	230157.771
Foundation Inspection Pits					
FIP1	709850.117	730155.804	67.68	309923.247	230128.625
FIP2	709858.187	730146.140	67.75	309931.319	230118.959
FIP3	709825.293	730172.870	67.66	309898.418	230145.695
FIP4	709812.373	730162.259	67.60	309885.495	230135.081
FIP5	709803.557	730155.072	67.84	309876.677	230127.893
FIP6	709817.747	730120.080	67.78	309890.871	230092.893
FIP7	709822.445	730114.560	67.74	309895.570	230087.372
Rotary Coreholes					
RC01	709870.698	730179.994	67.50	309943.833	230152.820
RC02	709816.994	730112.498	67.57	309890.118	230085.309

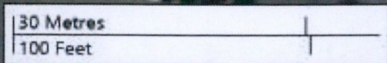
Locations By Type - DP
 Locations By Type - IP
 Locations By Type - OP
 Locations By Type - RC
 Locations By Type - TP
 Locations By Type - WS



No:	6032
Name:	DUB602 - Ski Lodge
Address:	Ballymount, Dublin 12
Client:	Arup
Project:	Site Plan
Scale:	1:750
Drawn By:	SL


 Site Investigations Ltd
 The Grange
 12th Lock Road
 Lucan
 Co. Dublin
 T: 01 6108768
 E: info@siteinvestigations.ie


 Microsoft product screen shots printed with permission from Microsoft Corporation



Project Number: 22_112
Project: Unit 1, M50 Business Park
Title: SuDS Management Plan Report



Appendix B Infiltration Test Results

SOAKAWAY TEST

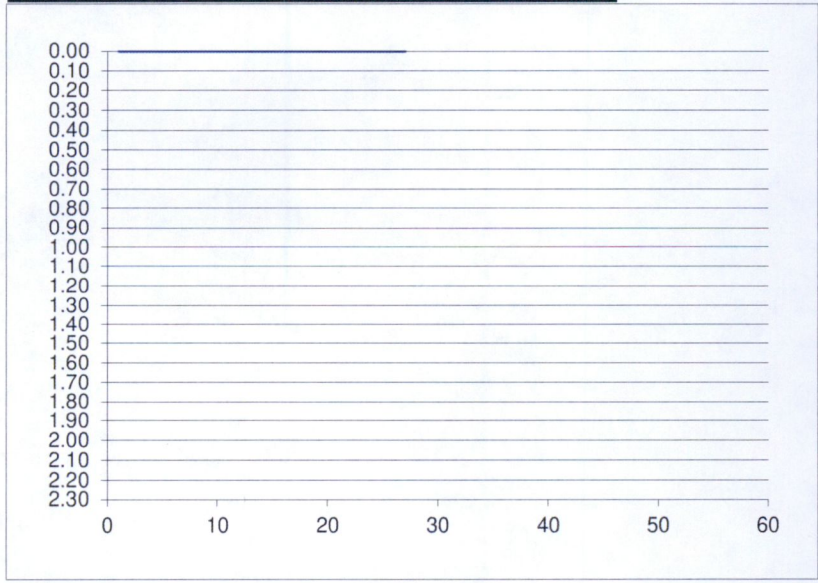


Project Reference:	6032
Contract name:	DUB602 - Ski Lodge
Location:	Ballymount, Dublin 12
Test No:	SA01
Date:	19/08/2022

Ground Conditions		
From	To	Description
0.00	0.10	TOPSOIL.
0.10	0.40	MADE GROUND: brown slightly sandy slightly gravelly silty clay.
0.40	0.60	Stiff brown slightly sandy gravelly silty CLAY with high cobble and low boulder content.

Remarks:
Obstructions at 0.60mbgl - pit terminated and test cancelled due to shallow nature of pit.

Elapsed Time (mins)	Fall of Water (m)	Pit Dimensions (m)		
-	-	Length (m)	2.20 m	
-	-	Width (m)	0.30 m	
-	-	Depth	0.60 m	
-	-	Water		
-	-	Start Depth of Water	- m	
-	-	Depth of Water	- m	
-	-	75% Full	- m	
-	-	25% Full	- m	
-	-	75%-25%	- m	
-	-	Volume of water (75%-25%)	- m ³	
-	-	Area of Drainage	- m ²	
-	-	Area of Drainage (75%-25%)	- m ²	
-	-	Time		
-	-	75% Full	- min	
-	-	25% Full	- min	
-	-	Time 75% to 25%	- min	
-	-	Time 75% to 25% (sec)	- sec	



f = Cancelled or Cancelled
m/min m/s

SA01 Sidewall



SA01 Spoil

