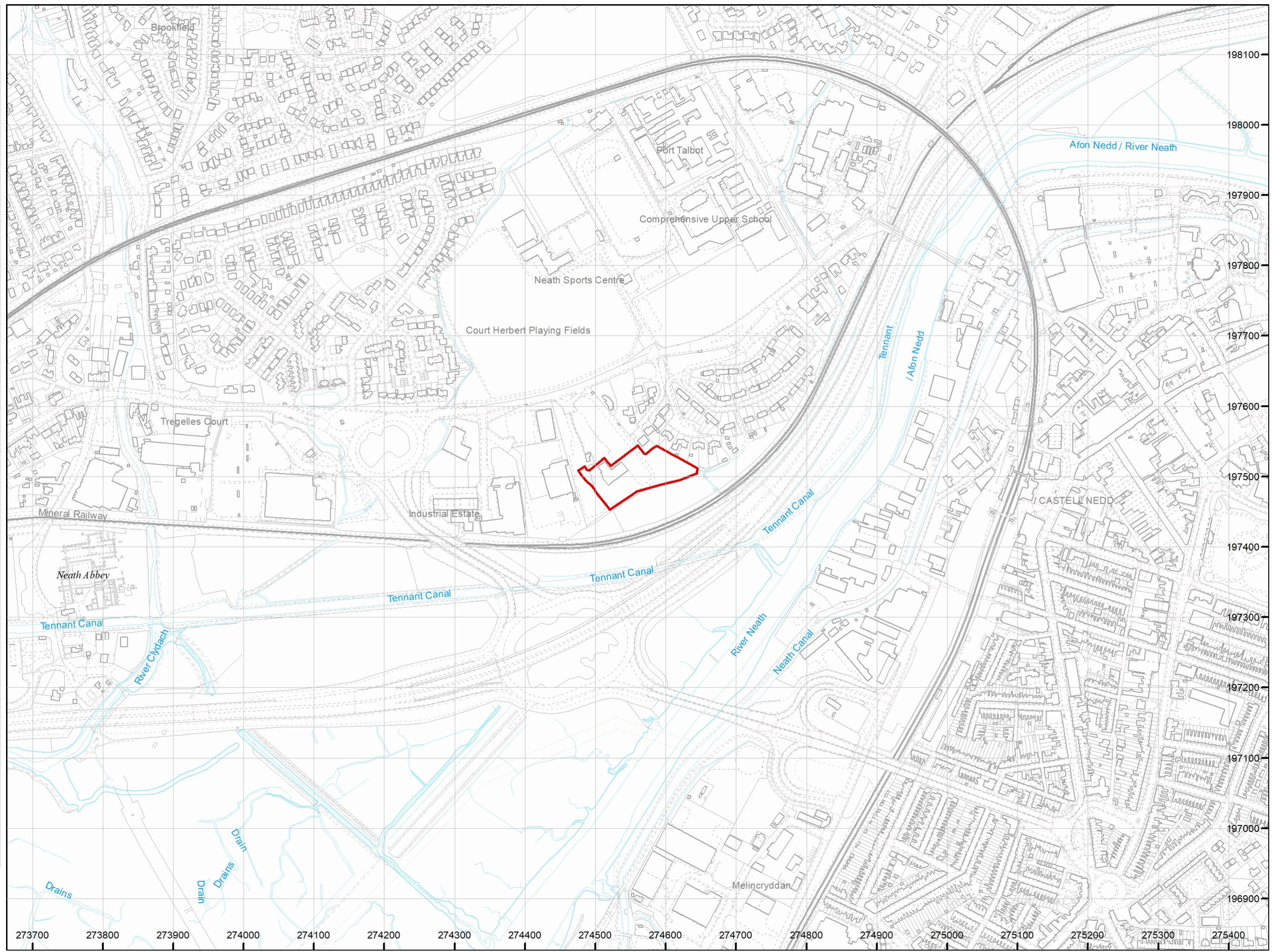


The map highlights any specific surface or subsurface features within or near to the boundary of the site.

Key

Approximate position of the enquiry boundary shown 

How to contact us
0345 762 6848 (UK)
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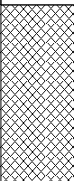
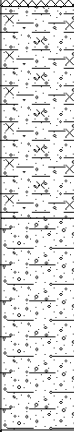
APPENDIX D

TRIAL PIT LOGS

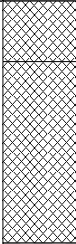
 Intégral House, 7 Beddau Way Castlegate Business Park Caerphilly CF83 2AX Tel. 029 20807991 Fax. 029 20862176 mail@integralgeotec.com			Project Name: CSN Engineering Site			Project No.: 14511		Trial Pit No.: SA1 Sheet 1 of 1	
Location: Neath Abbey			Client: RWP Properties Limited			Logged By: JJ		Scale 1:25	
Equipment: Wheeled Hydraulic Excavator JCB 3CX			Coordinates:			Dimensions 2.30m			
Date Excavated: 29/10/2025			Level:			Depth : 2.30m 0.70m			
Samples & In-situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description			
Depth (m)	Type	Results							
0.50	ES		0.15			Vegetation and grass over soft dark brown organic silty sandy gravelly CLAY with rootlets. [MADE GROUND]			
						(Loose) dark grey silty sandy angular to sub-angular fine to coarse GRAVEL of sandstone, brick and concrete with medium cobble content and low boulder content. Occasional fragments of glass, rag and metal. Cobbles and boulders are angular to sub-angular sandstone and concrete. [MADE GROUND]			
			1.50			(Medium dense) orangish brown slightly silty SAND and GRAVEL with medium cobble content. Gravel is sub-rounded and rounded fine to coarse sandstone. Cobbles are rounded of sandstone.			
			2.30			End of Trialpit at 2.30 m			
Remarks: Machine excavated trial pit GL to 2.30m.			Groundwater: No groundwater encountered.			Key: D - Small disturbed sample B - Bulk disturbed sample ES - Environmental soil sample W - Water sample			
			Stability: Overbreak and spalling of excavation sides.						

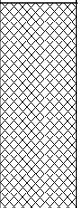
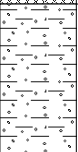
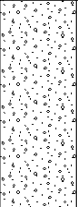
 Intégral House, 7 Beddau Way Castlegate Business Park Caerphilly CF83 2AX Tel. 029 20807991 Fax. 029 20862176 mail@integralgeotec.com			Project Name: CSN Engineering Site			Project No.: 14511		Trial Pit No.: SA2 Sheet 1 of 1	
Location: Neath Abbey			Client: RWP Properties Limited			Logged By: JJ		Scale 1:25	
Equipment: Wheeled Hydraulic Excavator JCB 3CX			Coordinates:			Dimensions 2.20m			
Date Excavated: 29/10/2025			Level:			Depth : 2.40m 0.80m			
Samples & In-situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description			
Depth (m)	Type	Results							
0.40	ES					Grass and vegetation over (loose) dark grey brown slightly silty sandy angular to sub-angular fine to coarse GRAVEL of sandstone, brick, scalplings and concrete with high cobble content and high boulder content. Occasional fragments of metal and timber. Cobbles and boulders are angular to sub-angular brick, concrete and sandstone. [MADE GROUND] ...suspected fragments of cement bound asbestos sheeting observed within made ground.			
			1.60			Firm orangish brown slightly gravelly silty CLAY. Gravel is sub-rounded fine to coarse sandstone (Swansea Member).			
			2.40			End of Trialpit at 2.40 m			
Remarks: Machine excavated trial pit GL to 2.40m.			Groundwater: No groundwater encountered.			Key: D - Small disturbed sample B - Bulk disturbed sample ES - Environmental soil sample W - Water sample			
			Stability: Unstable above 1.6m.						

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Location: Neath Abbey			Client: RWP Properties Limited			Logged By: JJ		Scale 1:25	
Equipment: Wheeled Hydraulic Excavator JCB 3CX			Coordinates:			Dimensions 2.20m			
Date Excavated: 29/10/2025			Level:			Depth : 2.30m 0.80m			
Samples & In-situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description			
Depth (m)	Type	Results							
0.50	ES					Grass and vegetation over (loose) dark brown very silty sandy angular to sub-angular fine to coarse GRAVEL of sandstone, brick and concrete with medium cobble content and low boulder content. Occasional fragments of glass and metal. Cobbles and boulders are angular to sub-angular sandstone, brick and concrete. Abundant roots and rootlets. [MADE GROUND] suspected fragments of cement bound asbestos sheeting observed within made ground.			
1.40	D		1.30 1.40			Firm greyish brown SILT with rootlets [MADE GROUND]. Firm orangish brown slightly gravelly silty CLAY. Gravel is sub-rounded and rounded fine to coarse sandstone. ...becoming very gravelly with medium cobble content below 1.90m.			
			2.30			End of Trialpit at 2.30 m			
Remarks: Machine excavated trial pit GL to 2.30m.			Groundwater: No groundwater encountered.			Key: D - Small disturbed sample B - Bulk disturbed sample ES - Environmental soil sample W - Water sample			
			Stability: Unstable above 1.4m.						

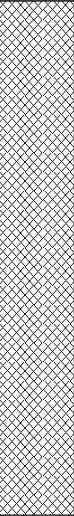
Intégral Géotechnique Intégral House, 7 Beddau Way Castlegate Business Park Caerphilly CF83 2AX Tel. 029 20807991 Fax. 029 20862176 mail@integralgeotec.com			Project Name: CSN Engineering Site			Project No.: 14511		Trial Pit No.: SA4 Sheet 1 of 1	
Location: Neath Abbey			Client: RWP Properties Limited			Logged By: AS		Scale 1:25	
Equipment: Wheeled Hydraulic Excavator JCB 3CX			Coordinates:			Dimensions 2.00m Depth : 2.00m 0.60m			
Date Excavated: 30/10/2025			Level:						
Samples & In-situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description			
Depth (m)	Type	Results							
			0.60			Vegetation over (loose) pinkish light brown slightly clayey sandy sub-angular to angular fine to coarse GRAVEL of sandstone with low cobble content. Cobbles are sub-angular to sub-angular sandstone. [MADE GROUND]			
						Firm orangish brown sandy gravelly CLAY with low cobble content. Gravel and cobbles are sub-rounded of sandstone.			
						(Medium dense) brown slightly silty very sandy rounded to sub-rounded fine to coarse GRAVEL of sandstone with medium cobble content. Cobbles are rounded sandstone.			
			2.00			End of Trialpit at 2.00 m			
Remarks:			Groundwater: No groundwater encountered.			Key:			
Machine excavated trial pit GL to 2.00m			Stability: Minor overbreak above 1.4m.			D - Small disturbed sample B - Bulk disturbed sample ES - Environmental soil sample W - Water sample			

Intégral Géotechnique Intégral House, 7 Beddau Way Castlegate Business Park Caerphilly CF83 2AX Tel. 029 20807991 Fax. 029 20862176 mail@integralgeotec.com			Project Name: CSN Engineering Site			Project No.: 14511		Trial Pit No.: TP1 Sheet 1 of 1	
Location: Neath Abbey			Client: RWP Properties Limited			Logged By: JJ		Scale 1:25	
Equipment: Wheeled Hydraulic Excavator JCB 3CX			Coordinates:			Dimensions 2.00m			
Date Excavated: 29/10/2025			Level:			Depth : 2.00m 0.80m			
Samples & In-situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description			
Depth (m)	Type	Results							
0.40	ES		0.15			Grass and vegetation over soft brown sandy gravelly CLAY with rootlets. Gravel is sub-angular fine to coarse sandstone. [MADE GROUND]			
		(Loose) grey slightly silty sandy angular to sub-angular fine to coarse GRAVEL with medium cobble content. Gravel is angular to sub-angular limestone, concrete/brick and sandstone. Cobbles are concrete and brick. [MADE GROUND]							
			0.80			Firm orangish brown slightly gravelly CLAY. Gravel is sub-rounded and rounded fine to coarse sandstone.			
						1.40			(Medium dense) brown slightly silty sandy sub-rounded to rounded fine to coarse GRAVEL of sandstone with medium cobble content. Cobbles are sub-rounded to rounded sandstone.
	2.00			End of Trialpit at 2.00 m					
Remarks: Machine excavated trial pit GL to 2.00m.			Groundwater: No groundwater encountered.			Key: D - Small disturbed sample B - Bulk disturbed sample ES - Environmental soil sample W - Water sample			
			Stability: Overbreak and spalling of excavation sides below 1.4m.						

Intégral Géotechnique Intégral House, 7 Beddau Way Castlegate Business Park Caerphilly CF83 2AX Tel. 029 20807991 Fax. 029 20862176 mail@integralgeotec.com			Project Name: CSN Engineering Site			Project No.: 14511		Trial Pit No.: TP2 Sheet 1 of 1	
Location: Neath Abbey			Client: RWP Properties Limited			Logged By: JJ		Scale 1:25	
Equipment: Wheeled Hydraulic Excavator JCB			Coordinates:			Dimensions 2.00m			
Date Excavated: 29/10/2025			Level:			Depth : 2.00m 0.80m			
Samples & In-situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description			
Depth (m)	Type	Results							
1.00	D		0.20			Grass and vegetation over (loose) orangish brown slightly silty slightly sandy sub-angular to angular fine to coarse GRAVEL of limestone. [MADE GROUND]			
						(Loose) grey sandy sub-angular to angular fine to coarse GRAVEL with medium to high cobble content. Gravels and cobbles are sub-angular to angular limestone, sandstone, brick and concrete. [MADE GROUND]. ...remnant brick wall encountered in side of excavation down to approximately 0.80m depth.			
						0.80		Firm orangish brown slightly gravelly CLAY. Gravel is sub-rounded to rounded fine to coarse of sandstone.	
2.00		End of Trialpit at 2.00 m							
Remarks: Machine excavated trial pit GL to 2.00m.			Groundwater: No groundwater encountered.			Key: D - Small disturbed sample B - Bulk disturbed sample ES - Environmental soil sample W - Water sample			
			Stability: Unstable above 0.8m.						

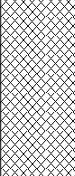
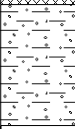
Intégral Géotechnique Intégral House, 7 Beddau Way Castlegate Business Park Caerphilly CF83 2AX Tel. 029 20807991 Fax. 029 20862176 mail@integralgeotec.com			Project Name: CSN Engineering Site			Project No.: 14511		Trial Pit No.: TP3 Sheet 1 of 1	
Location: Neath Abbey			Client: RWP Properties Limited			Logged By: JJ		Scale 1:25	
Equipment: Wheeled Hydraulic Excavator JCB 3CX			Coordinates:			Dimensions 4.00m			
Date Excavated: 29/10/2025			Level:			Depth : 2.40m 1.20m			
Samples & In-situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description			
Depth (m)	Type	Results							
0.50	ES					Vegetation over (loose) dark grey slightly silty sub-angular to angular fine to coarse GRAVEL with medium cobble content and low boulder content of sandstone, concrete, brick, metal and plastic. [MADE GROUND].			1
						CONCRETE. ...voided brick chamber / duct - trending east west encountered at 0.70m extending down to base of excavation. Unable to prove base depth of brick structure due to collapse of trial pit.			
						(Loose) dark grey slightly silty sub-angular to angular fine to coarse GRAVEL with medium cobble content and low boulder content of sandstone, concrete, brick, metal and plastic. [MADE GROUND]			
						Firm orangish brown gravelly CLAY. Gravel is sub-rounded and rounded fine to coarse of sandstone.			
1.50	D					(Medium dense) brown slightly silty sub-rounded to rounded fine to coarse SAND and GRAVEL with medium to high cobble content of sandstone.			2
					End of Trialpit at 2.40 m				
2.40									3
									4
									5

Intégral Géotechnique Intégral House, 7 Beddau Way Castlegate Business Park Caerphilly CF83 2AX Tel. 029 20807991 Fax. 029 20862176 mail@integralgeotec.com			Project Name: CSN Engineering Site			Project No.: 14511		Trial Pit No.: TP4 Sheet 1 of 1	
Location: Neath Abbey			Client: RWP Properties Limited			Logged By: JJ		Scale 1:25	
Equipment: Wheeled Hydraulic Excavator JCB 3CX			Coordinates:			Dimensions 2.00m			
Date Excavated: 29/10/2025			Level:			Depth : 2.50m 0.70m			
Samples & In-situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description			
Depth (m)	Type	Results							
			0.60			Vegetation and grass over (loose) brown and grey sandy sub-angular to angular fine to coarse GRAVEL of limestone, occasional brick and sandstone. [MADE GROUND]			
						Soft dark brown organic silty CLAY. [MADE GROUND]			
								1.40	
End of Trialpit at 2.50 m									
			2.50						
Remarks: Machine excavated trial pit GL to 2.50m.			Groundwater: No groundwater encountered.			Key: D - Small disturbed sample B - Bulk disturbed sample ES - Environmental soil sample W - Water sample			
			Stability: Overbreak and spalling of excavation sides.						

Intégral Géotechnique Intégral House, 7 Beddau Way Castlegate Business Park Caerphilly CF83 2AX Tel. 029 20807991 Fax. 029 20862176 mail@integralgeotec.com			Project Name: CSN Engineering Site			Project No.: 14511		Trial Pit No.: TP5 Sheet 1 of 1	
Location: Neath Abbey			Client: RWP Properties Limited			Logged By: JJ		Scale 1:25	
Equipment: Wheeled Hydraulic Excavator JCB 3CX			Coordinates:			Dimensions 2.00m			
Date Excavated: 29/10/2025			Level:			Depth : 2.50m 0.80m			
Samples & In-situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description			
Depth (m)	Type	Results							
1.70	D		1.70			Grass and vegetation over (loose) dark grey and brown silty sandy sub-angular to angular fine to coarse GRAVEL with medium to high cobble content and medium boulder content of sub-angular concrete and brick. [MADE GROUND] suspected fragments of cement bound asbestos sheeting observed within made ground.			
						Firm orangish brown slightly gravelly silty CLAY. Gravel is sub-rounded to rounded fine to coarse of sandstone.			
			2.50			End of Trialpit at 2.50 m			
Remarks: Machine excavated trial pit GL to 2.50m.			Groundwater: No groundwater encountered.			Key: D - Small disturbed sample B - Bulk disturbed sample ES - Environmental soil sample W - Water sample			
			Stability: Unstable above 1.7m.						

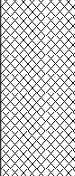
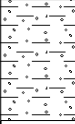
APPENDIX E

WINDOWLESS SAMPLE BOREHOLE LOGS

Intégral Géotechnique Intégral House, 7 Beddau Way Castlegate Business Park Caerphilly CF83 2AX Tel. 029 20807991 Fax. 029 20862176 mail@integralgeotec.com		Project Name: CSN Engineering Site		Project No.: 14511		Borehole No.: WS01 Sheet 1 of 1				
Location: Neath Abbey		Client: RWP Properties Limited		Coordinates:		Hole Type: WLS				
Equipment: Tracked Window Sample Rig		Diameter of Casing:		Level:		Scale 1:25				
Diameter of Boring: 86+102mm		Depth of Casing:		Dates 31/10/2025 -		Logged By: AS				
Well	Water Strikes	Samples & In situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description		
		Depth (m)	Type	Results						
					0.60			(Loose) dark grey to light brown very gravelly slightly clayey SAND. Gravel is angular to sub-angular fine to coarse mudstone and limestone. [MADE GROUND]		
								Firm brown gravelly CLAY. Gravel is sub-angular to sub-rounded fine to coarse of sandstone and mudstone.		
		1.00	C	50 (11,14/50 for 225mm)	1.00			End of Borehole at 1.00 m	1	
									2	
									3	
									4	
									5	
Remarks: Dynamic windowless sample borehole GL to 1.00m.							Key: D - Small disturbed sample B - Bulk disturbed sample ES - Environmental soil sample SPT - Standard Penetration Test (split spoon) CPT - Standard Penetration Test (solid cone) W - Water sample U - Undisturbed sample TCR - Total Core Recovery SCR - Solid Core Recovery RQD - Rock Quality Designation			

Intégral Géotechnique Intégral House, 7 Beddau Way Castlegate Business Park Caerphilly CF83 2AX Tel. 029 20807991 Fax. 029 20862176 mail@integralgeotec.com		Project Name: CSN Engineering Site		Project No.: 14511		Borehole No.: WS02 Sheet 1 of 1					
Location: Neath Abbey		Client: RWP Properties Limited		Coordinates:		Hole Type: WLS					
Equipment: Tracked Window Sample Rig		Diameter of Casing:		Level:		Scale 1:25					
Diameter of Boring: 102+86mm		Depth of Casing:		Dates 31/10/2025 -		Logged By: AS					
Well	Water Strikes	Samples & In situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description			
		Depth (m)	Type	Results							
					0.45			(Loose) dark grey sandy GRAVEL. Gravel is angular fine to coarse mudstone and limestone. [MADE GROUND]			
					0.70			(Loose) light yellowish brown slightly clayey very gravelly SAND. Gravel is sub-angular to angular fine to coarse sandstone. [MADE GROUND]			
					1.00	C	N=36 (5,8/8,8,10,10)	1.00		Firm dark grey/reddish brown gravelly CLAY. Gravel is sub-rounded to rounded fine to coarse sandstone. [MADE GROUND]	1
					1.80	C	50 (13,12/50 for 225mm)	1.80		(Medium dense to dense) grey/reddish brown sandy GRAVEL. Gravels are sub-angular to sub-rounded fine to coarse sandstone.	
End of Borehole at 1.80 m									2		
									3		
									4		
									5		
Remarks: Dynamic windowless sample borehole GL to 1.80m.						Key: D - Small disturbed sample B - Bulk disturbed sample ES - Environmental soil sample SPT - Standard Penetration Test (split spoon) CPT - Standard Penetration Test (solid cone) W - Water sample U - Undisturbed sample TCR - Total Core Recovery SCR - Solid Core Recovery RQD - Rock Quality Designation					



Intégral Géotechnique Intégral House, 7 Beddau Way Castlegate Business Park Caerphilly CF83 2AX Tel. 029 20807991 Fax. 029 20862176 mail@integralgeotec.com		Project Name: CSN Engineering Site		Project No.: 14511		Borehole No.: WS03 Sheet 1 of 1				
Location: Neath Abbey		Client: RWP Properties Limited		Coordinates:		Hole Type: WLS				
Equipment: Tracked Window Sample Rig		Diameter of Casing:		Level:		Scale 1:25				
Diameter of Boring: 102+86mm		Depth of Casing:		Dates 31/10/2025 -		Logged By: AS				
Well	Water Strikes	Samples & In situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description		
		Depth (m)	Type	Results						
					0.60			Vegetation over (loose) pinkish light brown slightly clayey sandy sub-angular to angular fine to coarse GRAVEL of sandstone with low cobble content. Cobbles are sub-angular to sub-angular sandstone. [MADE GROUND]		
								Firm orangish brown sandy gravelly CLAY with low cobble content. Gravel and cobbles are sub-rounded of sandstone.		
		1.00	C	N=50 (13,12/14,15,18,3)	1.00			End of Borehole at 1.00 m	1	
									2	
									3	
									4	
									5	
Remarks: Dynamic windowless sample borehole GL to 1.00m.						Key: D - Small disturbed sample B - Bulk disturbed sample ES - Environmental soil sample SPT - Standard Penetration Test (split spoon) CPT - Standard Penetration Test (solid cone) W - Water sample U - Undisturbed sample TCR - Total Core Recovery SCR - Solid Core Recovery RQD - Rock Quality Designation				

		Integral House, 7 Beddau Way Castlegate Business Park Caerphilly CF83 2AX Tel. 029 20807991 Fax. 029 20862176 mail@integralgeotec.com		Project Name: CSN Engineering Site		Project No.: 14511		Borehole No.: WS04 Sheet 1 of 1	
Location: Neath Abbey				Client: RWP Properties Limited		Coordinates:		Hole Type: WLS	
Equipment: Tracked Window Sample Rig				Diameter of Casing:		Level:		Scale 1:25	
Diameter of Boring: 102+86mm				Depth of Casing:		Dates 31/10/2025 -		Logged By: AS	

Well	Water Strikes	Samples & In situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.10		Grass and vegetation over (loose) orangish brown slightly silty slightly sandy sub-angular to angular fine to coarse GRAVEL of limestone. [MADE GROUND] (Loose) grey slightly silty sandy angular to sub-angular fine to coarse GRAVEL with medium cobble content. Gravel is angular to sub-angular limestone, concrete/brick and sandstone. Cobbles are concrete and brick. [MADE GROUND]		
		1.00	C	N=18 (6,3/4,4,5,5)	0.90		Firm brown gravelly sandy CLAY. Gravel is sub-angular to sub-rounded fine to coarse sandstone and mudstone.	1	
		1.60	C	50 (15,10/50 for 150mm)	1.60		(Dense) brownish grey slightly sandy clayey GRAVEL of sub-angular to angular fine to coarse mudstone and sandstone.		
End of Borehole at 1.60 m								2	
								3	
								4	
								5	

Remarks: Dynamic windowless sample borehole GL to 1.60m.				Key: D - Small disturbed sample B - Bulk disturbed sample ES - Environmental soil sample SPT - Standard Penetration Test (split spoon) CPT - Standard Penetration Test (solid cone)				W - Water sample U - Undisturbed sample TCR - Total Core Recovery SCR - Solid Core Recovery RQD - Rock Quality Designation			
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		Intégral House, 7 Beddau Way Castlegate Business Park Caerphilly CF83 2AX Tel. 029 20807991 Fax. 029 20862176 mail@integralgeotec.com		Project Name: CSN Engineering Site			Project No.: 14511		Borehole No.: WS05 Sheet 1 of 1	
Location: Neath Abbey				Client: RWP Properties Limited			Coordinates:		Hole Type: WLS	
Equipment: Tracked Window Sample Rig				Diameter of Casing:			Level:		Scale 1:25	
Diameter of Boring: 102+86+76mm				Depth of Casing:			Dates 31/10/2025 -		Logged By: AS	

Well	Water Strikes	Samples & In situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		1.00	C	N=7 (1,2/2,1,2,2)	1.50		Grass and vegetation over (loose) dark grey brown slightly silty sandy angular to sub-angular fine to coarse GRAVEL of sandstone, brick, scalplings and concrete with high cobble content and high boulder content. Occasional fragments of metal and timber. Cobbles and boulders are angular to sub-angular brick, concrete and sandstone. [MADE GROUND]	1	
		2.00	C	N=10 (1,2/2,2,3,3)			Firm light orangish brown slightly sandy gravelly CLAY. Gravel is sub-rounded to sub-angular fine to coarse mudstone and sandstone.	2	
		2.60	C	N=50 (11,12/13,13,13,11)	2.60		End of Borehole at 2.60 m	3	
								4	
								5	

Remarks: Dynamic windowless sample borehole GL to 2.60m.		Key: D - Small disturbed sample B - Bulk disturbed sample ES - Environmental soil sample SPT - Standard Penetration Test (split spoon) CPT - Standard Penetration Test (solid cone)		W - Water sample U - Undisturbed sample TCR - Total Core Recovery SCR - Solid Core Recovery RQD - Rock Quality Designation		
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		Intégral House, 7 Beddau Way Castlegate Business Park Caerphilly CF83 2AX Tel. 029 20807991 Fax. 029 20862176 mail@integralgeotec.com		Project Name: CSN Engineering Site		Project No.: 14511		Borehole No.: WS06 Sheet 1 of 1	
Location: Neath Abbey				Client: RWP Properties Limited		Coordinates:		Hole Type: WLS	
Equipment: Tracked Window Sample Rig				Diameter of Casing:		Level:		Scale 1:25	
Diameter of Boring: 102+86mm				Depth of Casing:		Dates 31/10/2025 -		Logged By: AS	

Well	Water Strikes	Samples & In situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.10		Grass over (loose) dark brown slightly gravelly SAND. Gravel is sub rounded to sub angular fine sandstone. [MADE GROUND]		
		1.00	C	N=14 (1,2/3,3,3,5)	1.20		(Medium dense) dark brown slightly gravelly slightly clayey SAND. Gravel is sub-angular to sub-rounded fine to coarse mudstone and sandstone. Occasional brick, concrete and roots. [MADE GROUND]	1	
		1.60	C	50 (20,5/50 for 225mm)	1.60		(Medium dense) yellowish brown gravelly SAND. Gravel is sub-angular to sub-rounded fine to coarse mudstone and sandstone.		
							End of Borehole at 1.60 m	2	
								3	
								4	
								5	

Remarks: Dynamic windowless sample borehole GL to 1.60m.		Key: D - Small disturbed sample B - Bulk disturbed sample ES - Environmental soil sample SPT - Standard Penetration Test (split spoon) CPT - Standard Penetration Test (solid cone)		W - Water sample U - Undisturbed sample TCR - Total Core Recovery SCR - Solid Core Recovery RQD - Rock Quality Designation		
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APPENDIX F

SOIL INFILTRATION TEST RESULTS

CSN Engineering Site, Neath Abbey 14511

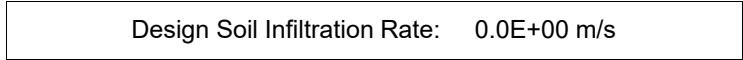
Remarks

Final Excavation Depth (m)	Cycle 1	Cycle 2	Cycle 3
At end of testing cycle	2.30	2.30	2.30
Water Depths (m)			
Water depth at start of test	1.20	1.23	1.34
Water depth at end of test	2.00	2.00	2.14
Effective depth (measured)	0.80	0.77	0.80
% Effective storage depth	0.73	0.72	0.83
Effective Storage Depths (m)			
Effective storage depth (100%)	1.10	1.07	0.96
Effective storage depth (75%)	0.83	0.80	0.72
Effective storage depth (50%)	0.55	0.54	0.48
Effective storage depth (25%)	0.28	0.27	0.24
Outflow Time (min)			
Time for measured outflow	73	121	142
Time for 100% outflow	102	174	170
Time for 75-25% outflow	61	96	86
Volume of Outflow (m³)			
Over measured effective depth	1.29	1.24	1.29
Over 100% effective depth	1.77	1.72	1.55
From 75% - 25% effective depth	0.89	0.86	0.77
Surface Area (m²)			
For 100% effective storage	8.21	8.03	7.37
For 50% effective storage	4.91	4.82	4.49
Over measured depth	6.41	6.23	6.41
Soil Infiltration Rate (m/s)	Cycle 1	Cycle 2	Cycle 3
Over 100% effective depth	3.5E-05	2.1E-05	2.1E-05
Over measured depth	4.6E-05	2.7E-05	2.4E-05
Over 75% - 25% effective depth	4.9E-05	3.1E-05	3.3E-05



CSN Engineering Site, Neath Abbey 14511

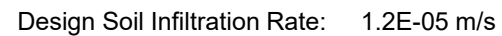
Final Excavation Depth (m)	Cycle 1	Cycle 2	Cycle 3
At end of testing cycle	2.40		
Water Depths (m)			
Water depth at start of test	1.23		
Water depth at end of test	1.48		
Effective depth (measured)	0.25		
% Effective storage depth	0.21		
Effective Storage Depths (m)			
Effective storage depth (100%)	1.17		
Effective storage depth (75%)	0.88		
Effective storage depth (50%)	0.59		
Effective storage depth (25%)	0.29		
Outflow Time (min)			
Time for measured outflow	n/a		
Time for 100% outflow	n/a		
Time for 75-25% outflow	n/a		
Volume of Outflow (m³)			
Over measured effective depth	0.44		
Over 100% effective depth	2.06		
From 75% - 25% effective depth	1.03		
Surface Area (m²)			
For 100% effective storage	8.78		
For 50% effective storage	5.27		
Over measured depth	3.26		
Soil Infiltration Rate (m/s)	Cycle 1	Cycle 2	Cycle 3
Over 100% effective depth	n/a		
Over measured depth	n/a		
Over 75% - 25% effective depth	n/a		



CSN Engineering Site, Neath Abbey 14511

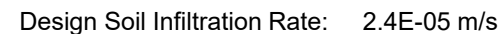
Remarks

Final Excavation Depth (m)	Cycle 1	Cycle 2	Cycle 3
At end of testing cycle	2.30	2.30	2.30
Water Depths (m)			
Water depth at start of test	1.18	1.53	1.39
Water depth at end of test	2.00	2.06	1.74
Effective depth (measured)	0.82	0.53	0.35
% Effective storage depth	0.73	0.69	0.38
Effective Storage Depths (m)			
Effective storage depth (100%)	1.12	0.77	0.91
Effective storage depth (75%)	0.84	0.58	0.68
Effective storage depth (50%)	0.56	0.39	0.46
Effective storage depth (25%)	0.28	0.19	0.23
Outflow Time (min)			
Time for measured outflow	220	176	180
Time for 100% outflow	400	300	525
Time for 75-25% outflow	200	150	255
Volume of Outflow (m³)			
Over measured effective depth	1.44	0.93	0.62
Over 100% effective depth	1.97	1.36	1.60
From 75% - 25% effective depth	0.99	0.68	0.80
Surface Area (m²)			
For 100% effective storage	8.48	6.38	7.22
For 50% effective storage	5.12	4.07	4.49
Over measured depth	6.68	4.94	3.86
Soil Infiltration Rate (m/s)	Cycle 1	Cycle 2	Cycle 3
Over 100% effective depth	9.7E-06	1.2E-05	7.0E-06
Over measured depth	1.6E-05	1.8E-05	1.5E-05
Over 75% - 25% effective depth	1.6E-05	1.8E-05	1.2E-05



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Final Excavation Depth (m)	Cycle 1	Cycle 2	Cycle 3
At end of testing cycle	2.00	2.00	2.00
Water Depths (m)			
Water depth at start of test	1.14	1.22	1.25
Water depth at end of test	2.00	2.00	2.00
Effective depth (measured)	0.86	0.78	0.75
% Effective storage depth	1.00	1.00	1.00
Effective Storage Depths (m)			
Effective storage depth (100%)	0.86	0.78	0.75
Effective storage depth (75%)	0.65	0.59	0.56
Effective storage depth (50%)	0.43	0.39	0.38
Effective storage depth (25%)	0.22	0.20	0.19
Outflow Time (min)			
Time for measured outflow	120	150	190
Time for 100% outflow	120	150	190
Time for 75-25% outflow	62	80	100
Volume of Outflow (m³)			
Over measured effective depth	1.03	0.94	0.90
Over 100% effective depth	1.03	0.94	0.90
From 75% - 25% effective depth	0.52	0.47	0.45
Surface Area (m²)			
For 100% effective storage	5.67	5.26	5.10
For 50% effective storage	3.44	3.23	3.15
Over measured depth	5.67	5.26	5.10
Soil Infiltration Rate (m/s)	Cycle 1	Cycle 2	Cycle 3
Over 100% effective depth	2.5E-05	2.0E-05	1.5E-05
Over measured depth	2.5E-05	2.0E-05	1.5E-05
Over 75% - 25% effective depth	4.0E-05	3.0E-05	2.4E-05



APPENDIX G

LABORATORY CHEMICAL TEST RESULTS (SOIL AND ACM)