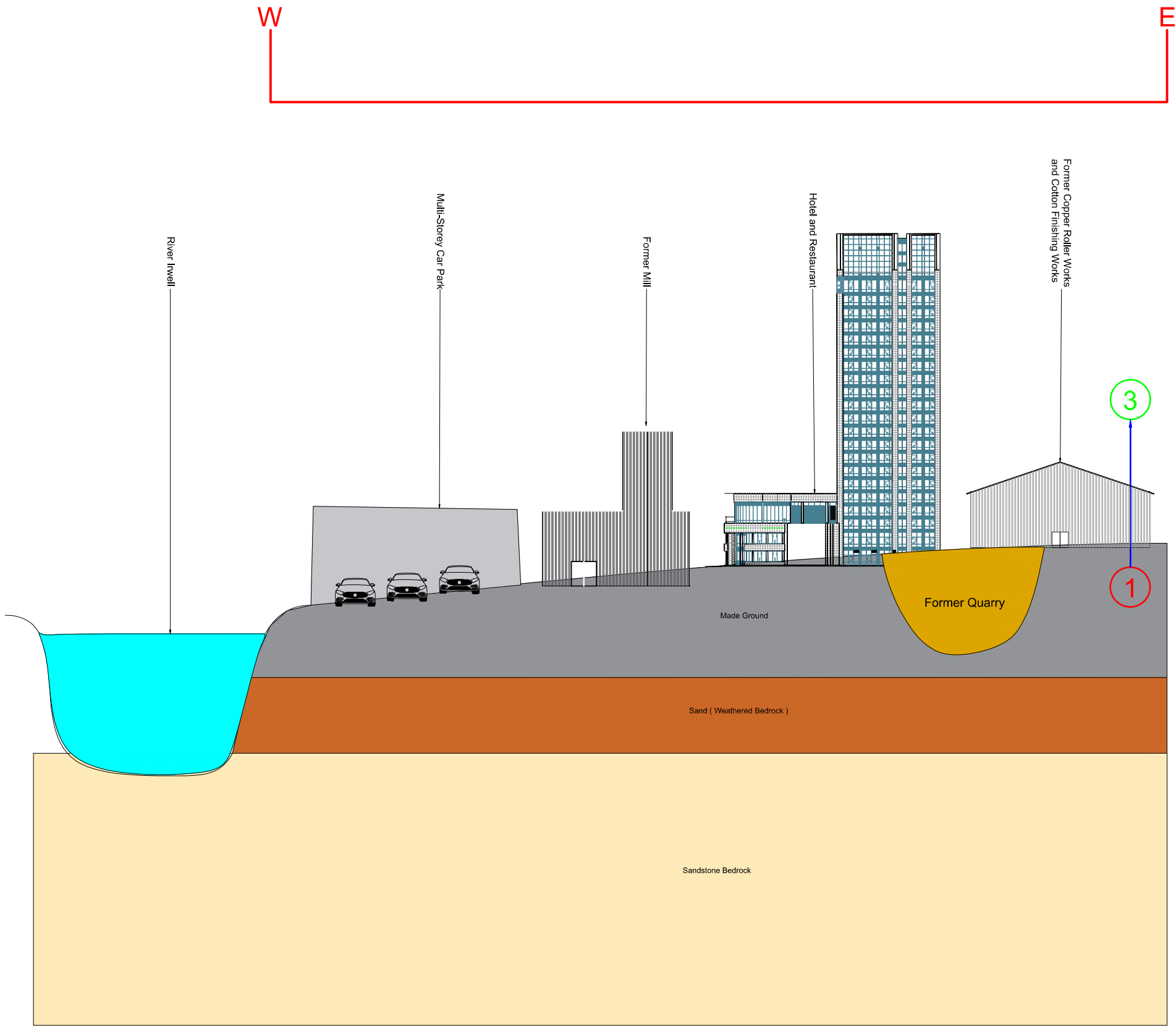
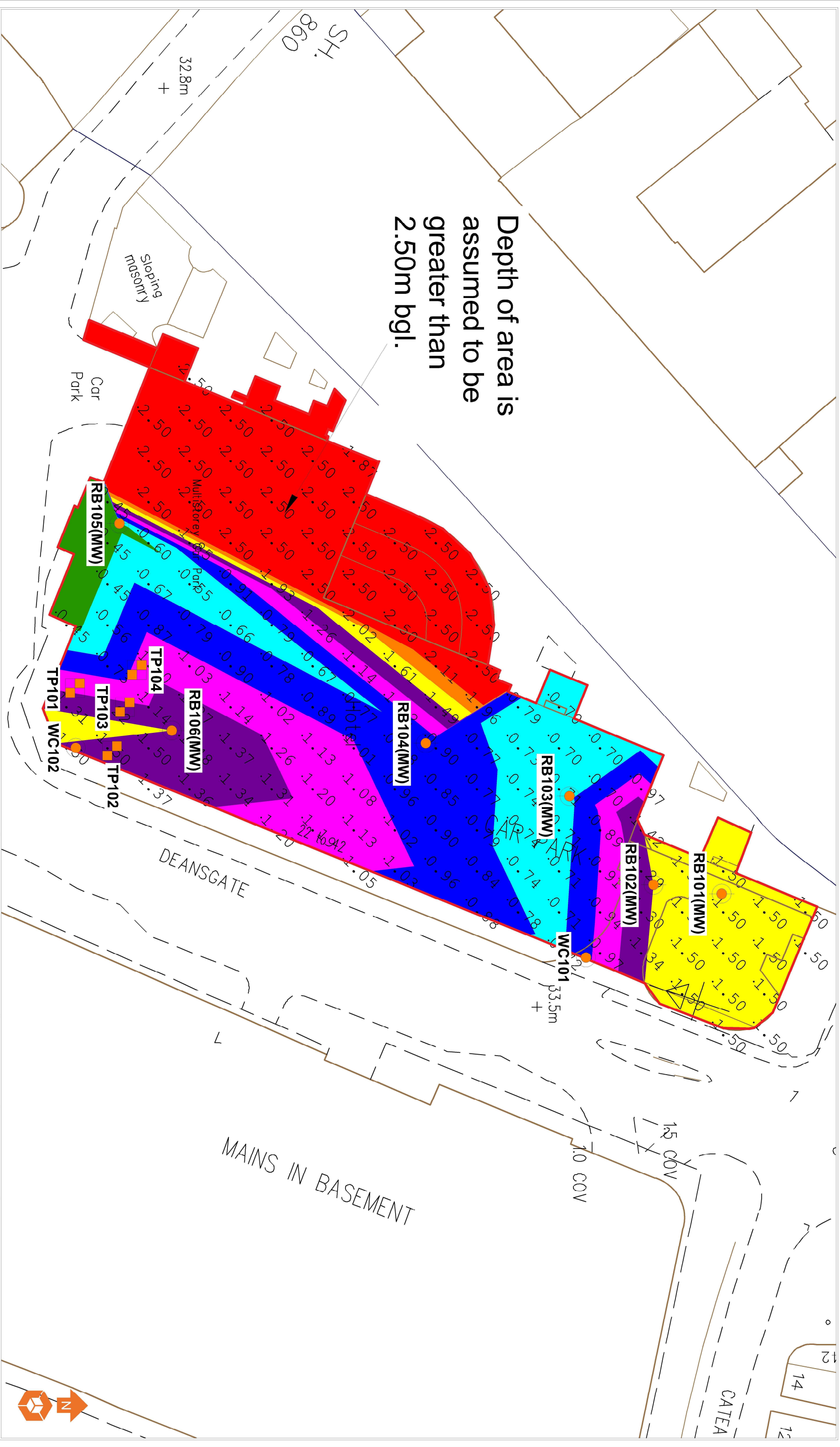




Geology Key Made Ground Sand (Weathered Bedrock) Sandstone Bedrock Former Quarry	Sources ① Asbestos	Receptors ① Future Site Users / Construction Workers	Pathways ➡ Dust Inhalation	Notes:					Client:		Job No:	Date:	e3p Environmental Engineering Partnership Ltd Taylor Road, Trafford Park Urmston, Manchester, M41 7JQ Tel: 0161 707 9612 E-mail: info@e3p.co.uk Website: www.e3p.co.uk	
									Property Alliance Group Ltd			14-261		13.05.2021
											Drawing No:	Scale:		
											010	NTS @ A3		
									Job Title:		Drawing Title:			The client must not amend any drawing, design or other intellectual property produced by E3P Ltd without permission in writing from E3P Ltd in advance of any amendments being made. In the event that such written permission is not obtained in advance of the amendments being made, E3P Ltd shall not be liable for any damage and/or losses occurring as a result of the amended drawing, design or intellectual property.
									Renaissance Deangate		Conceptual Site Model			
P1	REVB	13.05.2021	EB	NS										
P1	REVA	07.04.2021	EB	NS										
Phase	Issue	Date	Drawn	Checked										

Depth of area is assumed to be greater than 2.50m bgl.



Approximate Core Through Wall Location

Approximate Trial Pit Location

Approximate Rotary Borehole Location with Install

Bedrock Depth (m)

Depth of Bedrock: 100 - 0.24m

Depth of Bedrock: 125 - 0.49m

Depth of Bedrock: 150 - 0.74m

Depth of Bedrock: 175 - 0.99m

Depth of Bedrock: 200 - 1.24m

Depth of Bedrock: 225 - 1.49m

Depth of Bedrock: 250 - 1.74m

Depth of Bedrock: 275 - 1.99m

Depth of Bedrock: 300m

Notes:

Client:

Job Title:

Phase

Issue

Date

Drawn

Checked

14-261

07.04.2021

14-261

07.04.2021

Property Alliance Group Ltd

Renaissance Deansgate

Drawing No:

012

Scale:

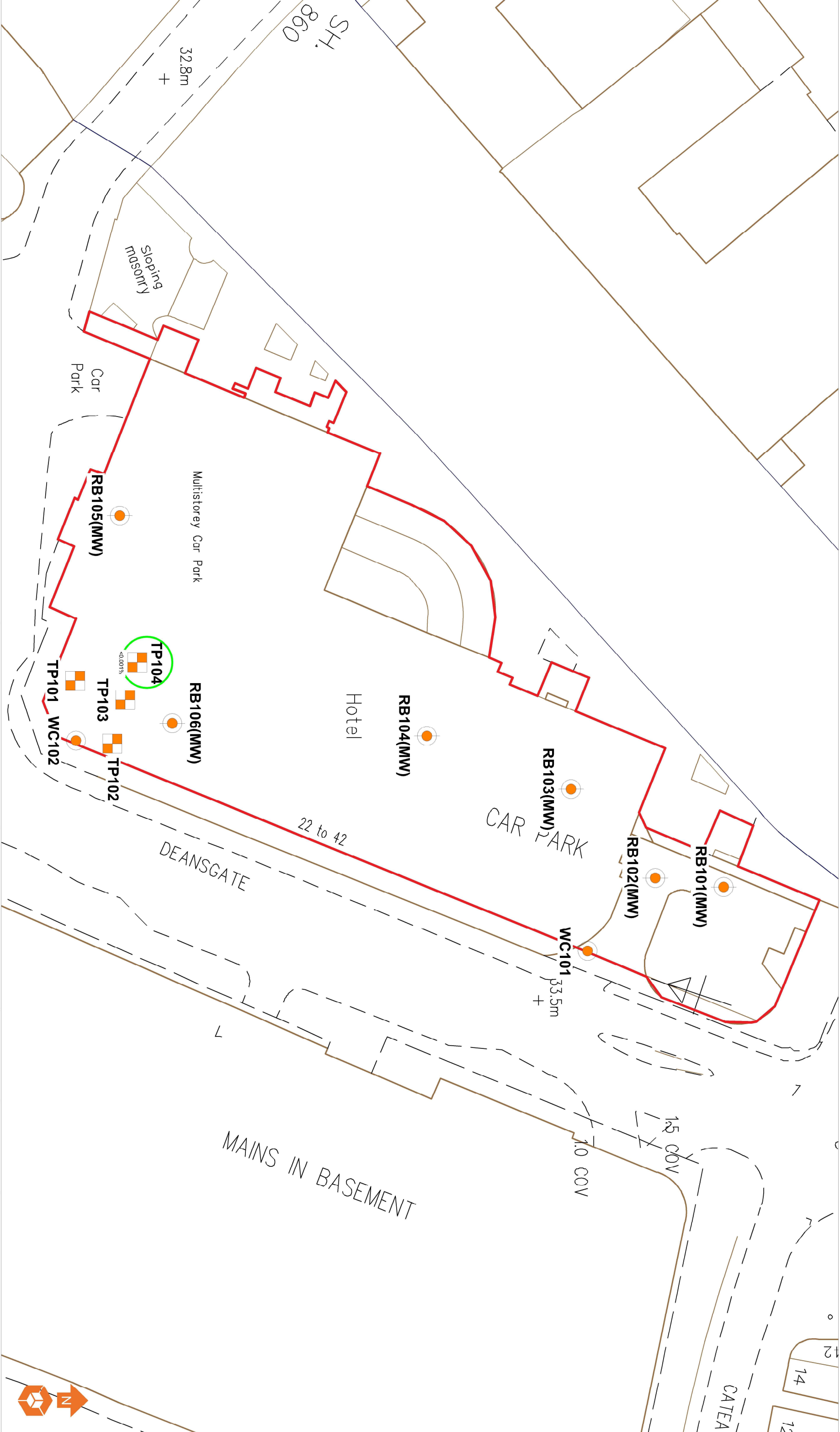
NTS

Drawing Title:

Depth Of Bedrock Plan

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Location Symbols

Approximate Core Through Wall Location

Approximate Trial Pit Location

Approximate Rotary Borehole Location with Install

Contaminants

Asbestos

Notes:				
Phase	Issue	Date	Drawn	Checked
P1	REVA	07.04.2021	EB	NS

Client:	Job Title:
Property Alliance Group Ltd	Renaissance Deansgate

Job No:	Date:
14-261	07.04.2021
Drawing No:	Scale:
018	NTS

Environmenta Engineering Partnership Ltd

Taylor Road, Trafford Park

Urmston, Manchester, M41 7JQ

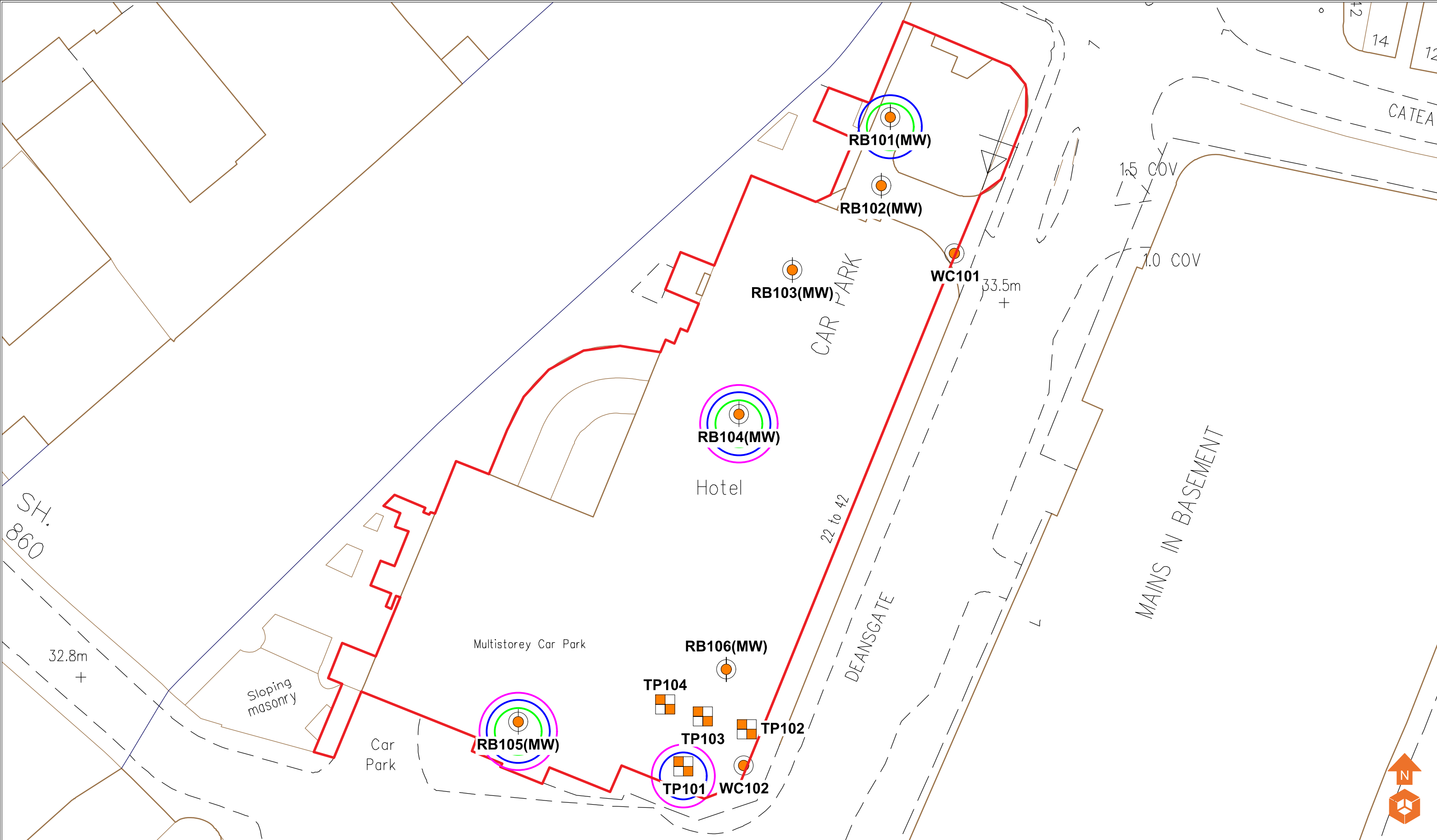
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Wells	Approximate Core Through Wall Location
Wells	Approximate Trial Pit Location
Wells	Approximate Rotary Borehole Location with Install

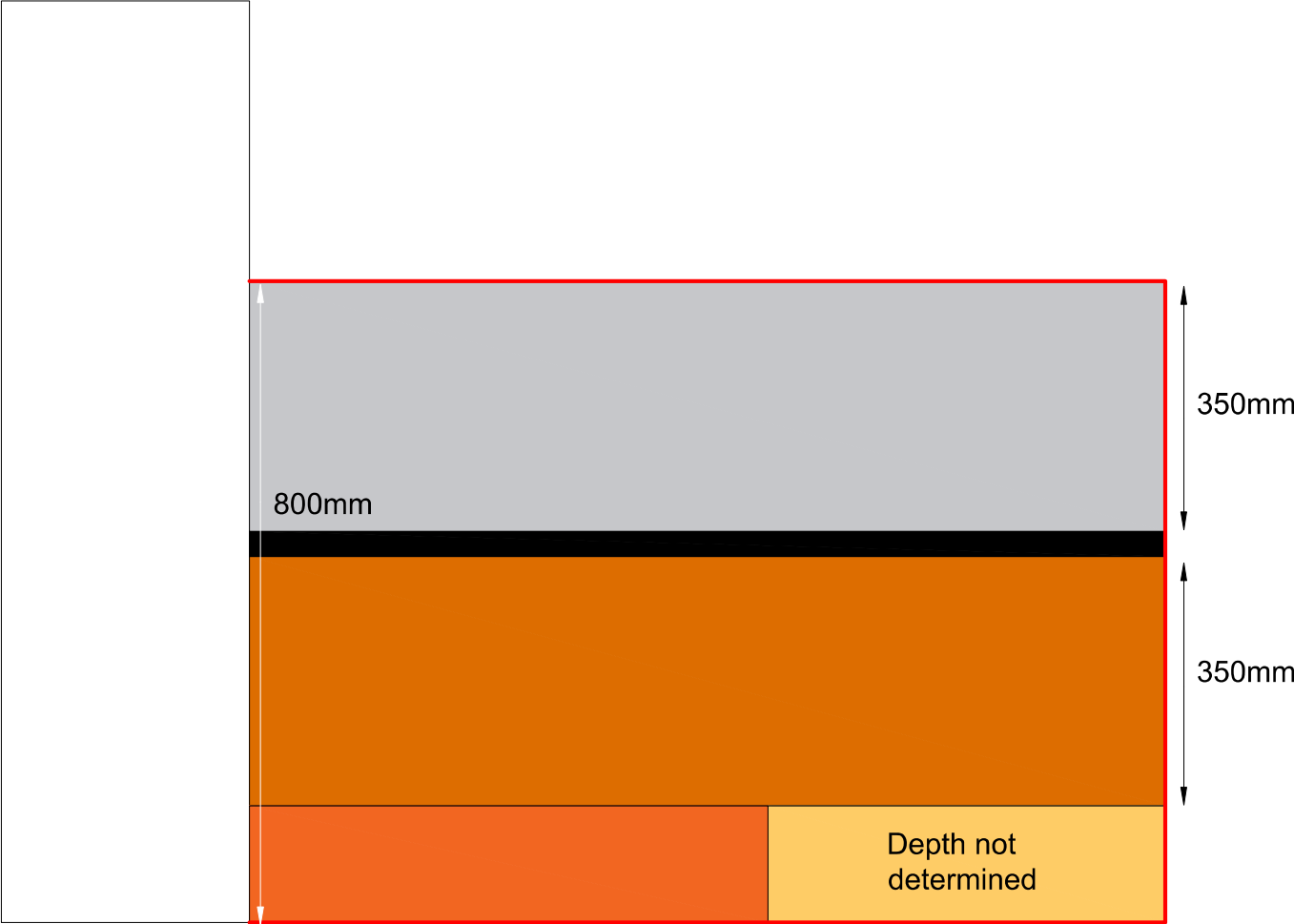
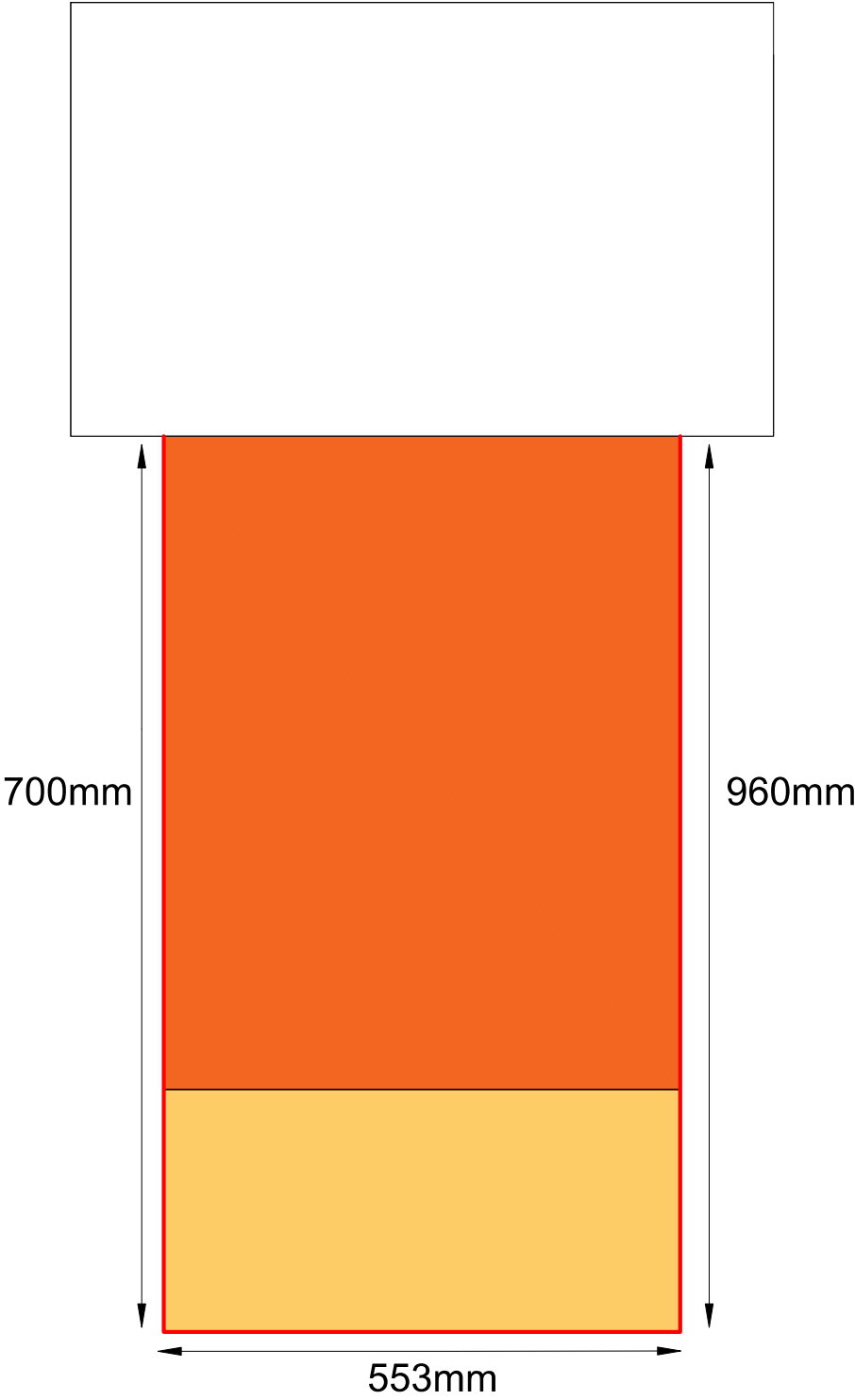


Location Symbols  Approximate Core Through Wall Location  Approximate Trial Pit Location  Approximate Rotary Borehole Location with Install					Contaminants  Heavy Metals  PH  Trichloromethane					Notes:					Client: Property Alliance Group Ltd		Job No: 14-261	Date: 13.05.2021	 Environmental Engineering Partnership Ltd Taylor Road, Trafford Park Urmston, Manchester, M41 7JQ Tel: 0161 707 9612 E-mail: info@e3p.co.uk Website: www.e3p.co.uk	
										Drawing No: 019		Scale: NTS								
					P1 P1 REVB REVA 13.05.2021 07.04.2021 EB EB NS NS					Job Title: Renaissance Deansgate		Drawing Title: Contamination Issues Plan - Controlled Waters		The client must not amend any drawing, design or other intellectual property produced by E3P Ltd without permission in writing from E3P Ltd in advance of any amendments being made. In the event that such written permission is not obtained in advance of the amendments being made, E3P Ltd shall not be liable for any damage and/or losses occurring as a result of the amended drawing, design or intellectual property.						
					Phase Issue Date Drawn Checked															

TP101

West

West



Foundation Pit Details

- Concrete Pillar
- Foundation Slab
- Concrete
- Sandstone
- Made Ground - Brown Gravelly Sand.
Site won natural backfill
- Rubber Membrane
- Trial Pit

Notes:

Client:

Property Alliance
Group Ltd

Job No:

14-261

Date:

12.03.2021

Drawing No:

023

Scale:

NTS



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Partnerships Ltd
City Heliport & Business Centre
Eccles, Manchester, M30 7RU
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E-mail: info@e3p.co.uk
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Job Title:

Renaissance
Deansgate

Drawing Title:

Foundation Pit Details - TP101

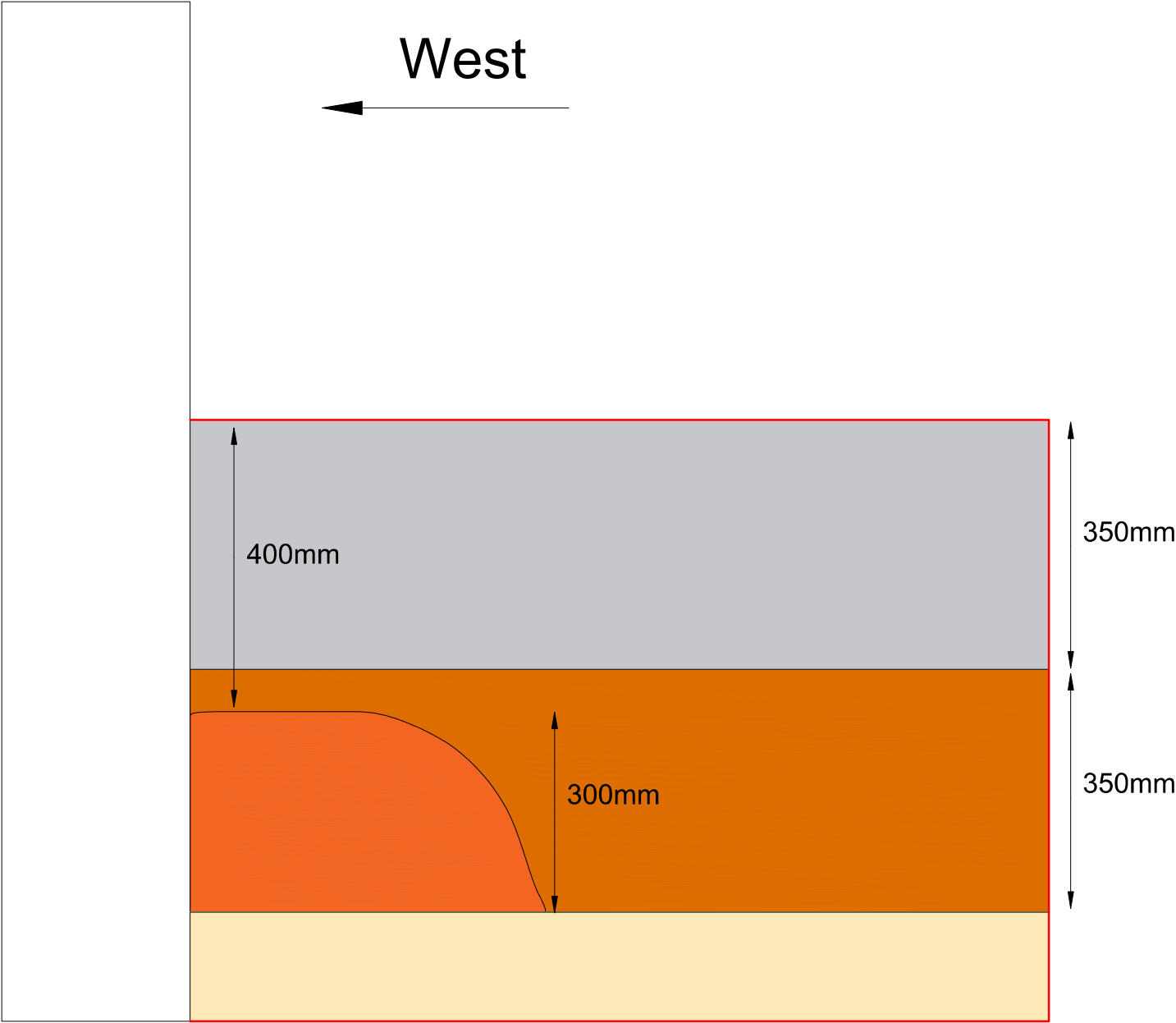
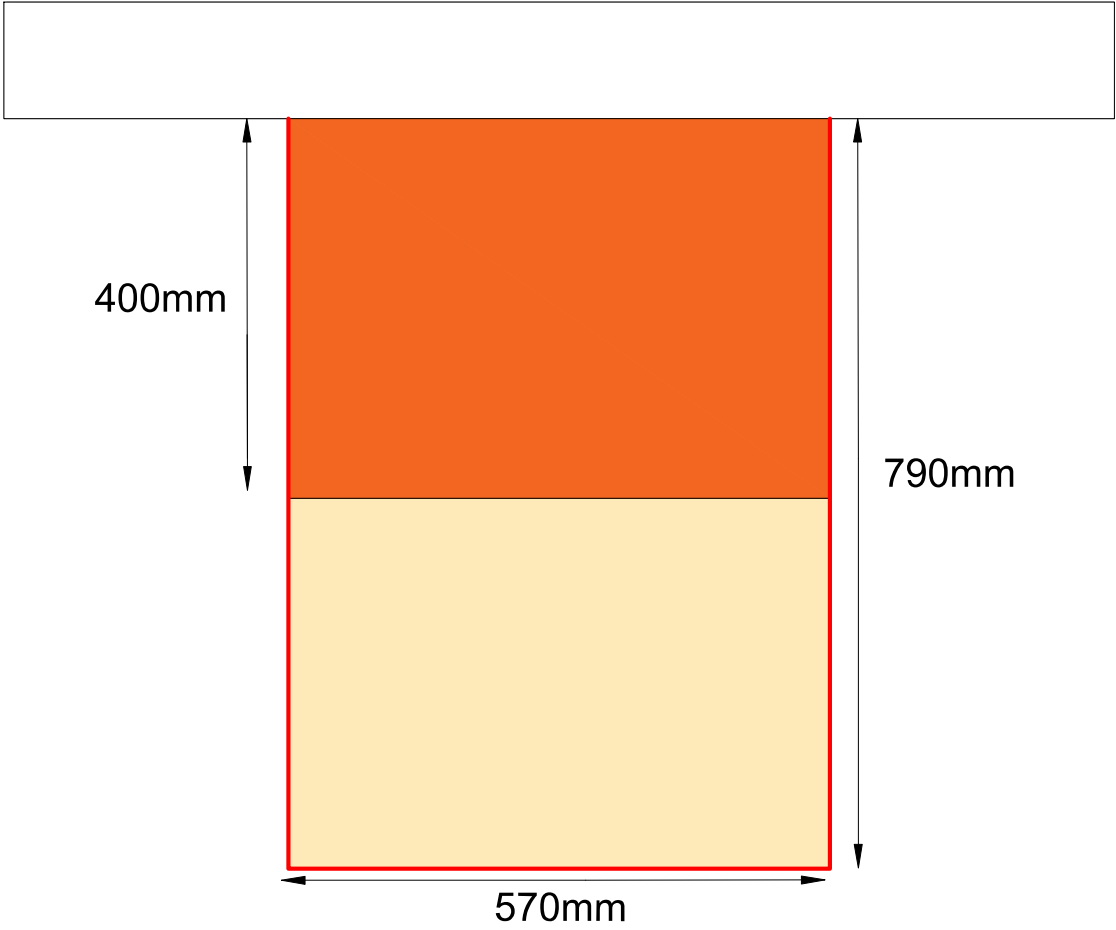
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P1	REVA	12.03.2021	LM	JC
Phase	Issue	Date	Drawn	Checked

TP102

West

West



Foundation Pit Details

- Concrete Pillar
- Foundation Slab
- Concrete
- Sandstone
- Made Ground - Brown Gravelly Sand.
Site won natural backfill
- Rubber Membrane
- Trial Pit

Notes:

P1	REVA	12.03.2021	LM	JC
Phase	Issue	Date	Drawn	Checked

Client:

Property Alliance
Group Ltd

Job Title:

Renaissance
Deansgate

Job No:

14-261

Drawing No:

023

Date:

12.03.2021

Scale:

NTS



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Foundation Pit Details - TP102

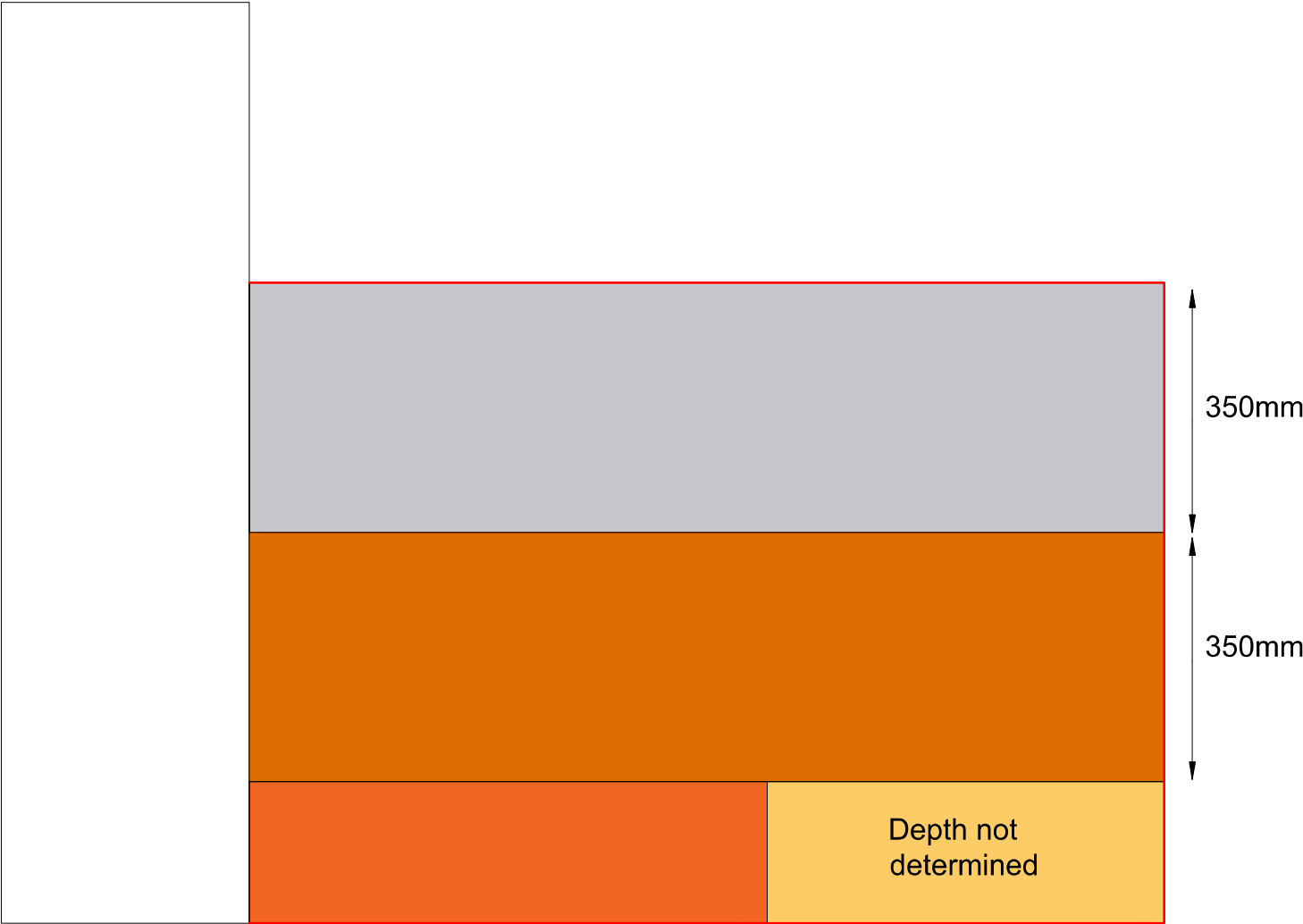
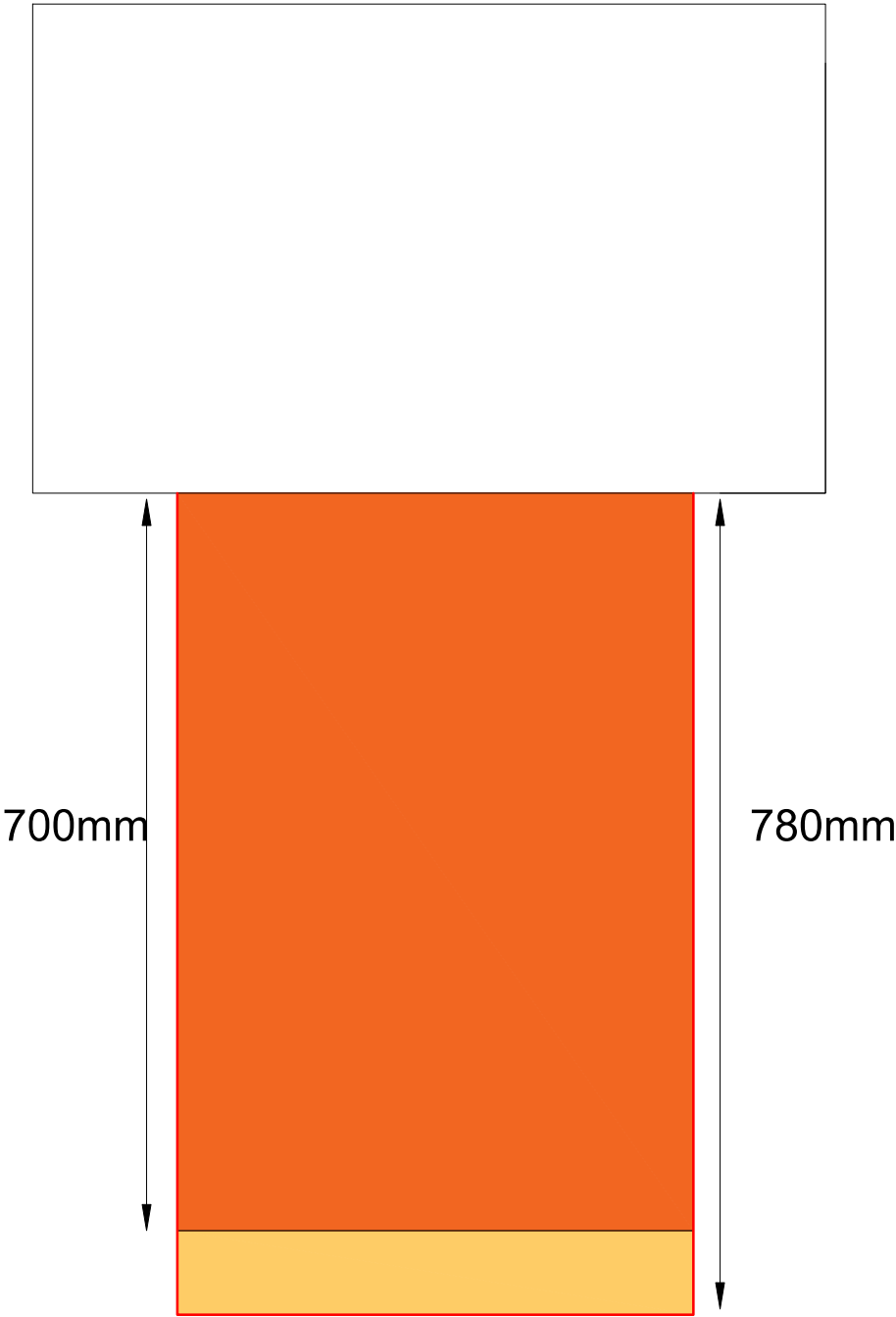
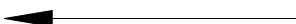
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South



TP103

South



Foundation Pit Details

- Concrete Pillar
- Foundation Slab
- Concrete
- Sandstone
- Made Ground - Brown Gravelly Sand. Site won natural backfill
- Rubber Membrane
- Trial Pit

Notes:

P1	REVA	12.03.2021	LM	JC
Phase	Issue	Date	Drawn	Checked

Client:

Property Alliance
Group Ltd

Job Title:

Renaissance
Deansgate

Job No:

14-261

Drawing No:

023

Date:

12.03.2021

Scale:

NTS



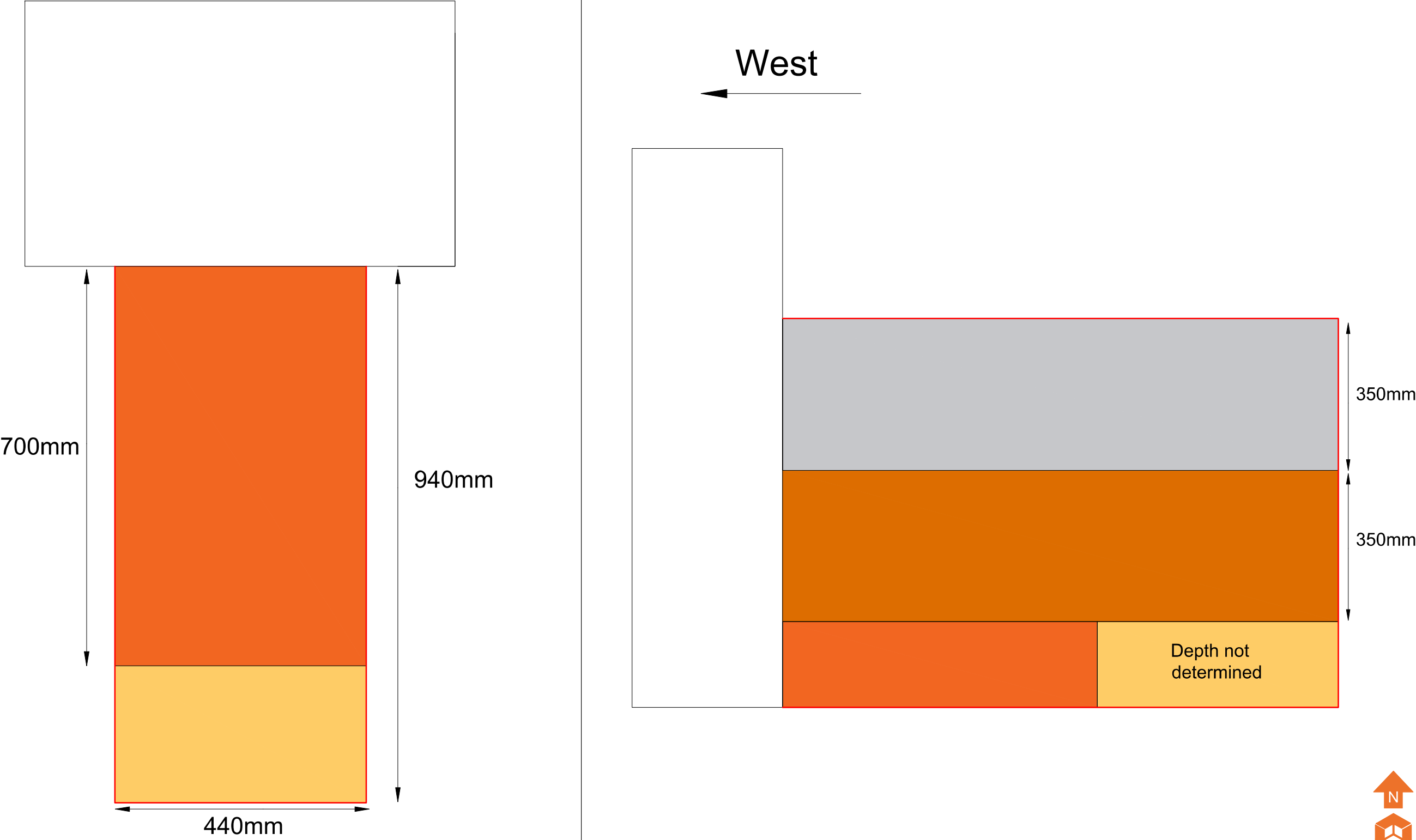
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TP104

West

West



Foundation Pit Details

- Concrete Pillar
- Foundation Slab
- Concrete
- Sandstone
- Made Ground - Brown Gravelly Sand.
Site won natural backfill
- Rubber Membrane
- Trial Pit

Notes:				
P1	REVA	12.03.2021	LM	JC
Phase	Issue	Date	Drawn	Checked

Client:	Property Alliance Group Ltd
Job No:	14-261
Drawing No:	023
Job Title:	Renaissance Deansgate

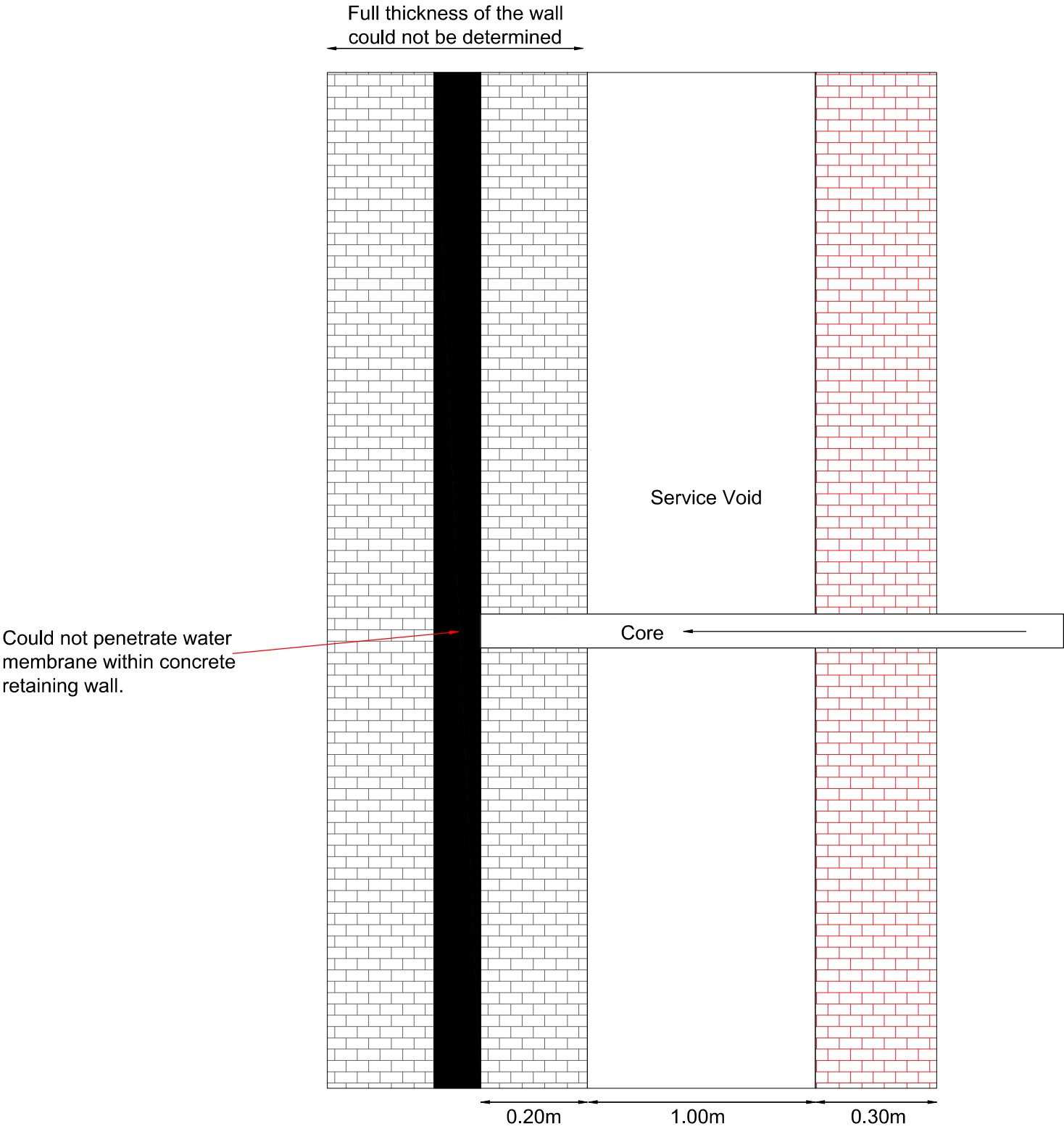
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Scale:	NTS
Drawing Title:	Foundation Pit Details - TP104



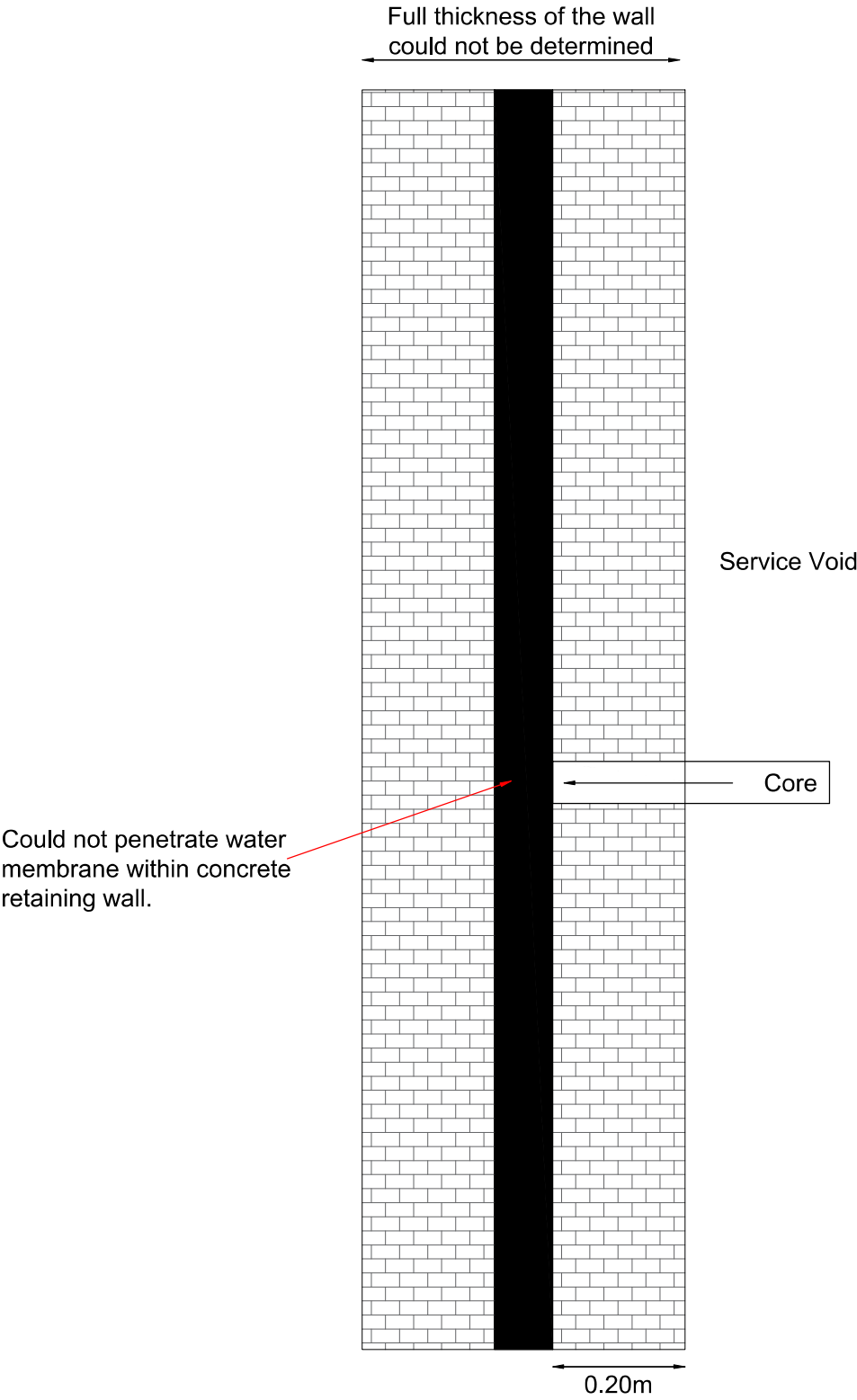
Environmental Engineering Partnerships Ltd
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WC101



WC102



Key

- Rubber Membrane
- Concrete Retaining Wall
- Brick Outer Wall

Notes:

P1	REVB	21.04.2021	LM	NS
P1	REVA	07.04.2021	EB	NS
Phase	Issue	Date	Drawn	Checked

Client:

Property Alliance
Group Ltd

Job Title:

Renaissance
Deansgate

Job No:

14-261

Drawing No:

025

Date:

21.04.2021

Scale:

NTS

Drawing Title:

Wall Core
Details



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APPENDIX IV

PHOTOGRAPHS

PLATE 1 TP103 EXCAVATION



PLATE 2 TP104 EXCAVATION



PLATE 3 RBH101 ROCK CORE (1.00 – 6.00 M BGL)



PLATE 4 RBH103 ROCK CORE (8.00 – 10.00 m bgl)



Renaissance Hotel

Phase II Geoenvironmental Site Assessment

April 2021

PLATE 5 RBH104 ROCK CORE (3.00 – 7.00 m bgl)



PLATE 6 RBH106 ROCK CORE (4.40 – 8.00 m bgl)



APPENDIX V

E3P EXPLORATORY HOLE LOGS



Trial Pit Log

TrialPit No
TP101
Sheet 1 of 1

Project Name: Renaissance Hotel	Project No. 14261	Co-ords: 383715.00 - 398580.00 Level:	Date 26/02/2021
Location: Deansgate, Manchester	Dimensions (m): 0.55 0.96 Depth 0.80		Scale 1:30
Client: Property Alliance Group Ltd			Logged J Craig

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.40	ES		0.35 0.36			MADE GROUND: Concrete.	
	0.65	BULK		0.70 0.80			MADE GROUND: Rubber membrane. MADE GROUND: Brown gravelly medium sand. Gravel is fine to coarse angular to subangular of concrete and brick. (Site won natural material used for foundation backfill) Reddish brown medium SAND. (Weathered bedrock) End of Pit at 0.80m	1 2 3 4

Remarks: 1. Foundation pad observed at 0.70m bgl 2. Foundation pad 0.70m in length from supporting pillar 3.
Depth of pad could not be determined

Stability: Stable



Project Name: Renaissance Hotel	Project No. 14261	Co-ords: 383724.00 - 398586.00 Level:	Date 26/02/2021
Location: Deansgate, Manchester		Dimensions (m): 0.57 0.79	Scale 1:30
Client: Property Alliance Group Ltd		Depth 0.70	Logged J Craig

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.40	ES		0.35 0.36 0.70			MADE GROUND: Concrete.	</

Trial Pit Photographs



TP102 spoil

Remarks: 1. Foundation for wall observed at 0.40m bgl, placed upon possible beam structure observed at 0.70m bgl. 2. Depth of foundation could not be determined

Stability: Stable

Project Name: Renaissance Hotel	Project No. 14261	Co-ords: 383718.00 - 398591.00 Level:	Date 26/02/2021
Location: Deansgate, Manchester	Dimensions (m): 0.49 0.78 Depth 0.80		Scale 1:30
Client: Property Alliance Group Ltd			Logged J Craig

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.45 0.50	ES BULK		0.35 0.36 0.70 0.80			MADE GROUND: Concrete.	1 2 3 4
							MADE GROUND: Rubber membrane.	
							MADE GROUND: Brown gravelly medium sand. Gravel is fine to coarse angular to subangular of concrete and brick. (Site won natural material used for foundation backfill)	
							Reddish brown medium SAND. (Weathered bedrock) End of Pit at 0.80m	

Trial Pit Photographs



TP103

Remarks: 1. Foundation pad observed at 0.70m bgl 2. Foundation pad 0.70m in length from supporting pillar 3. Depth of pad could not be determined

Stability: Stable

Project Name: Renaissance Hotel	Project No. 14261	Co-ords: 383713.00 - 398591.00 Level:	Date 26/02/2021
Location: Deansgate, Manchester		Dimensions (m): 0.44 x 0.94	Scale 1:30
Client: Property Alliance Group Ltd		Depth 0.80	Logged J Craig

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.45	ES		0.35 0.36 0.70 0.80			MADE GROUND: Concrete.	1 2 3 4
							MADE GROUND: Rubber membrane.	
							MADE GROUND: Brown gravelly medium sand. Gravel is fine to coarse angular to subangular of concrete and brick. (Site won natural material used for foundation backfill)	
							Reddish brown medium SAND. (Weathered bedrock)	
							End of Pit at 0.80m	

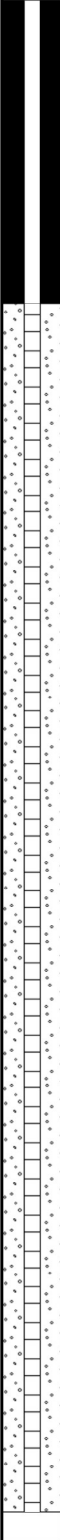
Trial Pit Photographs



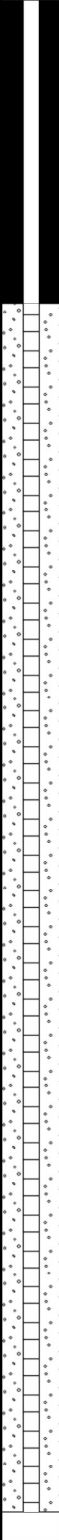
TP104

Remarks: 1. Foundation pad observed at 0.70m bgl 2. Foundation pad 0.70m in length from supporting pillar 3. Depth of pad could not be determined

Stability: Stable

				Borehole Log			Borehole No. RBH101 Sheet 1 of 1		
Project Name: Renaissance Hotel				Project No. 14261		Co-ords: 383744E - 398650N		Hole Type BH	
Location: Deansgate, Manchester				Level:		Scale 1:50			
Client: Property Alliance Group Ltd				Dates: 19/02/2021		Logged By J Craig			
Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.25 0.27 0.35		 MADE GROUND: Concrete.  MADE GROUND: Rubber membrane.  MADE GROUND: Concrete. Reddish brown medium SAND. (Weathered bedrock)	1	
		0.80	BULK						
		1.00	SPT	50 (14, 11/50 for 245mm)					
						1.50			
		2.00	SPT	46 (21, 4/46 for 84mm)				Very weak medium bedded reddish brown fine SANDSTONE with occasional lenses of extremely weak sandstone (3.00-3.18m bgl) (3.78-3.86m bgl). Bedding 0-10 degrees, widely to medium spaced, planar rough.	2
		2.30	U						
		3.00	SPT	50 (25 for 50mm/50 for 70mm)					3
		4.00	SPT	50 (25 for 45mm/50 for 55mm)					4
		5.00	SPT	50 (25 for 40mm/50 for 50mm)		5.10			5
		5.50	U						
		6.00	SPT	50 (25 for 25mm/50 for 70mm)				Medium strong (becoming very strong at 6.28m bgl) medium bedded reddish brown coarse SANDSTONE with occasional interbeds of weak sandstone (6.50-6.53m bgl) (7.24-7.35m bgl) (7.82-7.89m bgl). Bedding 0-10 degrees, medium spaced planar rough (becoming closely spaced undulating rough at 8.43m bgl).	6
		6.28	U						
		6.71	U						7
		7.47	U						
		8.82	U						9
	9.47	U							
	9.81	U							
					10.00		End of Borehole at 10.00m	10	
Remarks 1. Install of 2m plain, 8m slotted 2. Borehole terminated at 10.00m bgl in sandstone at target depth									

				Borehole Log			Borehole No. RBH102 Sheet 1 of 1		
Project Name: Renaissance Hotel		Project No. 14261		Co-ords: 383741E - 398643N		Hole Type BH			
Location: Deansgate, Manchester				Level:		Scale 1:50			
Client: Property Alliance Group Ltd				Dates: 20/02/2021		Logged By J Craig			
Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.35			MADE GROUND: Concrete.	
					0.46			MADE GROUND: Grey slightly sandy gravel. Gravel is fine to coarse angular to subangular of limestone. (MOT)	1
								MADE GROUND: Brick wall. (unknown underlying structure)	
					1.50			Strong medium bedded reddish brown medium SANDSTONE. Bedding 0-10 degrees medium spaced planar rough.	
	1.86	U			2.00			NO RECOVERY (Assumed SANDSTONE).	2
	2.00	SPT	50 (25 for 45mm/50 for 50mm)						
	3.00	SPT	50 (25 for 60mm/50 for 40mm)						3
	4.00	SPT	50 (25 for 30mm/50 for 30mm)						4
	5.00	SPT	50 (25 for 55mm/50 for 45mm)						5
	6.00	SPT	50 (25 for 30mm/50 for 70mm)						6
	7.00	SPT	50 (25 for 15mm/50 for 25mm)		7.00				7
	7.23	U						Strong medium bedded reddish brown coarse SANDSTONE with occasional interbedded mudstone (8.44-8.47m bgl) (8.58-8.63m bgl). Bedding 0-10 degrees medium spaced planar rough, becoming undulating rough. Jointing 40-45 degrees undulating rough.	
	8.00	SPT	50 (25 for 20mm/50 for 20mm)						8
	8.39	U							9
	8.64	U							
8.82	U								
9.30	U								
9.45	U								
9.65	U								
					10.00			End of Borehole at 10.00m	10
Remarks 1. Install of 0.5m plain, 1.1m slotted 2. Borehole terminated at 10.00m bgl in sandstone at target depth									

				Borehole Log			Borehole No. RBH103 Sheet 1 of 1		
Project Name: Renaissance Hotel				Project No. 14261		Co-ords: 383734E - 398636N		Hole Type BH	
Location: Deansgate, Manchester				Level:		Scale 1:50			
Client: Property Alliance Group Ltd				Dates: 20/02/2021		Logged By J Craig			
Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.25 0.27 0.33 0.70		 MADE GROUND: Concrete.  MADE GROUND: Rubber membrane.  MADE GROUND: Concrete.  MADE GROUND: Grey slightly sandy gravel. Gravel is fine to coarse angular to subangular of limestone. (MOT)		
		0.70	U						
		1.00	SPT	50 (6,7/50 for 105mm)					1
		1.50	U						
		2.00	SPT	50 (25 for 85mm/50 for 60mm)					2
		2.70	U						
		3.00	SPT	50 (25 for 60mm/50 for 55mm)					3
		3.40	U						
		4.00	SPT	50 (25 for 50mm/50 for 45mm)					4
		5.43	U						5
	6.63	U						6	
	7.52	U						7	
	8.60	U						8	
								9	
					10.00			10	
End of Borehole at 10.00m									
Remarks 1. Install of 2m plain, 8m slotted 2. Borehole terminated at 10.00m bgl in sandstone at target depth									