

TERMS

ACM	Asbestos-containing material	MMP	Materials management plan
ADS	Acoustic design statement	ND	Not detected
AST	Above-ground storage tank	NDP	Nuclear density probe
BGS	British Geological Survey	NMP	Noise management plan
BSI	British Standards Institute	NPSE	Noise policy statement for England
BTEX	Benzene, toluene, ethylbenzene, xylenes	NR	Not recorded
CA	Coal Authority	PAH	Polycyclic aromatic hydrocarbon
CBR	California bearing ratio	PCB	Polychlorinated biphenyl
CIEH	Chartered Institute of Environmental Health	PI	Plasticity index
CIRIA	Construction Industry Research Association	PID	Photo ionisation detector
CLEA	Contaminated land exposure assessment	POS	Public open space
CML	Council of Mortgage Lenders	PPE	Personnel protective equipment
CoC	Contaminants of concern	ProPG	Professional practice guidance
CSM	Conceptual site model	QA	Quality assurance
DNAPL	Dense non-aqueous phase liquid (chlorinated solvents, PCB)	SGV	Soil guideline value
DWS	Drinking water standard	SPH	Separate-phase hydrocarbon
EA	Environment Agency	SPT	Standard penetration test
EQS	Environmental quality standard	SVOC	Semi-volatile organic compound
FFL	Finished floor level	TPH	Total and speciated petroleum hydrocarbon
GAC	General assessment criteria	TPH CWG	Total Petroleum Hydrocarbon (Criteria Working Group)
GL	Ground level	UKWIR	United Kingdom Water Infrastructure Risk
GSV	Gas screening value	UST	Underground storage tank
HCV	Health criteria value	VCC	Vibro-concrete column
ICSM	Initial conceptual site model	VOC	Volatile organic compound
LEL	Lower explosive limit	VRSC	Vibro-replacement stone columns
LMRL	Lower method reporting limit	VSC	Vibro-stone columns
LNAPL	Light non-aqueous phase liquid (petrol, diesel, kerosene)	WHO	World Health Organisation
MCV	Moisture condition value	WRAP	Waste and Resources Action Programme



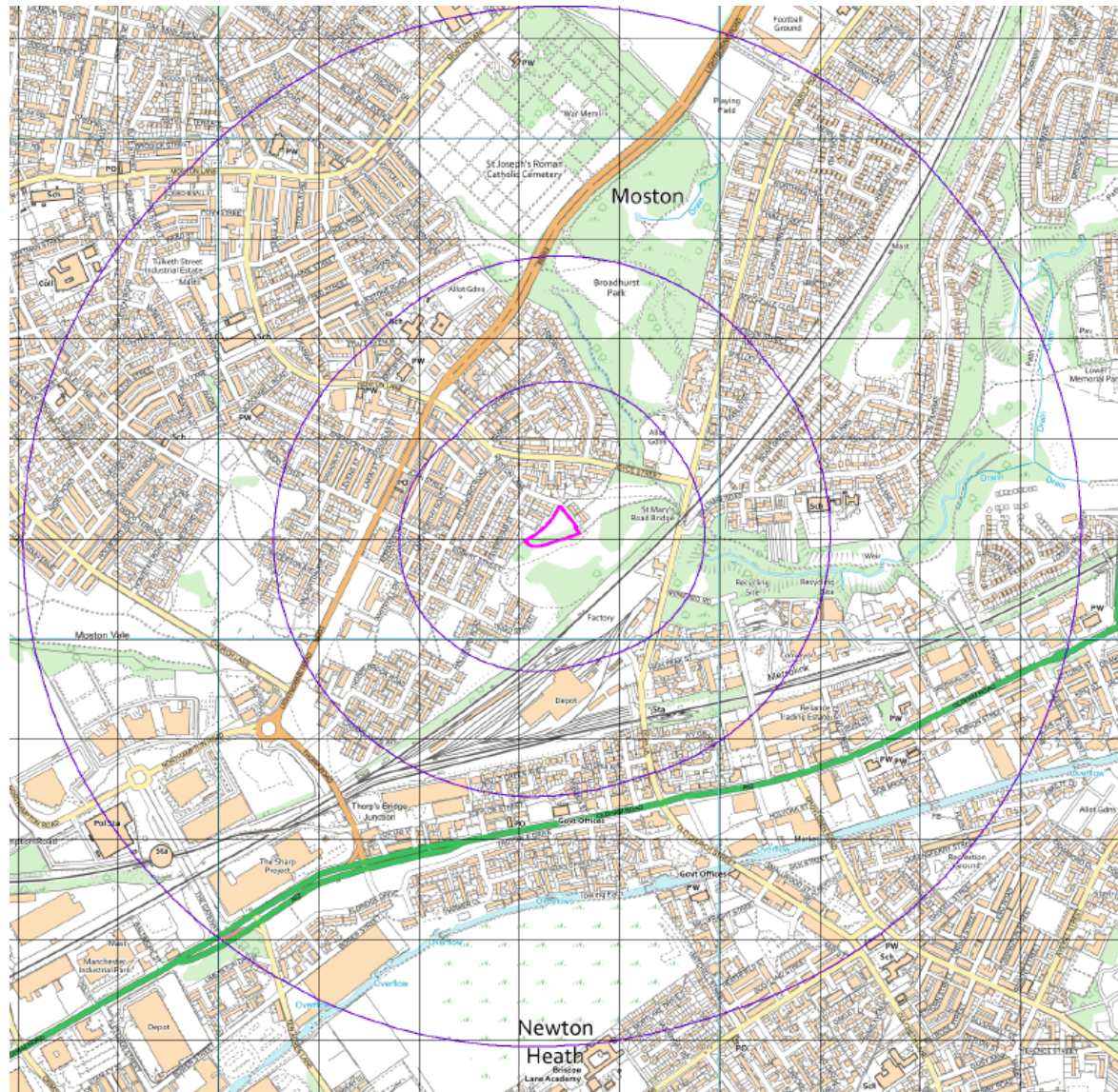
MIBK	Methyl isobutyl ketone	WTE	Water table elevation
m	Metres	ppm	Parts per million
km	Kilometres	mg/m³	Milligram per metre cubed
% v/v	Percent volume in air	m bgl bgl	Metres below ground level
mb	Millibars (atmospheric pressure)	m bcl	Metre below cover level
l/hr	Litres per hour	mAOD	Metres above ordnance datum (sea level)
µg/l	Micrograms per litre (parts per billion)	kN/m²	Kilonewtons per metre squared
ppb	Parts per billion	µm	Micrometre
mg/kg	Milligrams per kilogram (parts per million)	SSRT	Site Specific Remediation Target
PSD	Particle Size Distribution	DD	Dry Density
CL:AIRE	Contaminated Land: Applications in Real Environments	Mc	Moisture Content
ρ	Bulk Density	GPR	Ground Penetrating Radar
NDP	Nuclear Density Probe	FFL	Finished Floor Level
LEL	Lower Explosive Limit	UKWIR	UK Water Industry Research
CIRIA	Construction Industry Research and Information Association	LOD	Limit of Detection



APPENDIX III

DRAWINGS

DRAWING 16-717-001 – SITE LOCATION PLAN





Historical Features Former Buildings Dense Vegetation Former Earthworking/Excavation	Notes:					Client: Jigsaw Homes	Job No: 16-718	Date: 11.09.2023	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	
	P1 REVB 11.09.2023 OW JS					Job Title: Kenyon Lane, Failsworth	Drawing No: 003	Scale: NTS@ A3		
	P1 REVA 24.08.2023 OW EC						Drawing Title: Historical Features Plan			
	Phase Issue Date Drawn Checked								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.	



Site Features

- Mature Trees
- Grass
- Mature Trees/Woodland
- Footpath
- Field Gate
- Electric Box
- Manholes

Notes:

P1	REVC	14.09.2023	OW	JS
P1	REVB	12.09.2023	OW	JS
P1	REVA	24.08.2023	OW	EC
Phase	Issue	Date	Drawn	Checked

Client:

Jigsaw Homes

Job Title:

Kenyon Lane, Failsworth

Job No:

16-718

Drawing No:

004

Date:

14.09.2023

Scale:

NTS@ A3

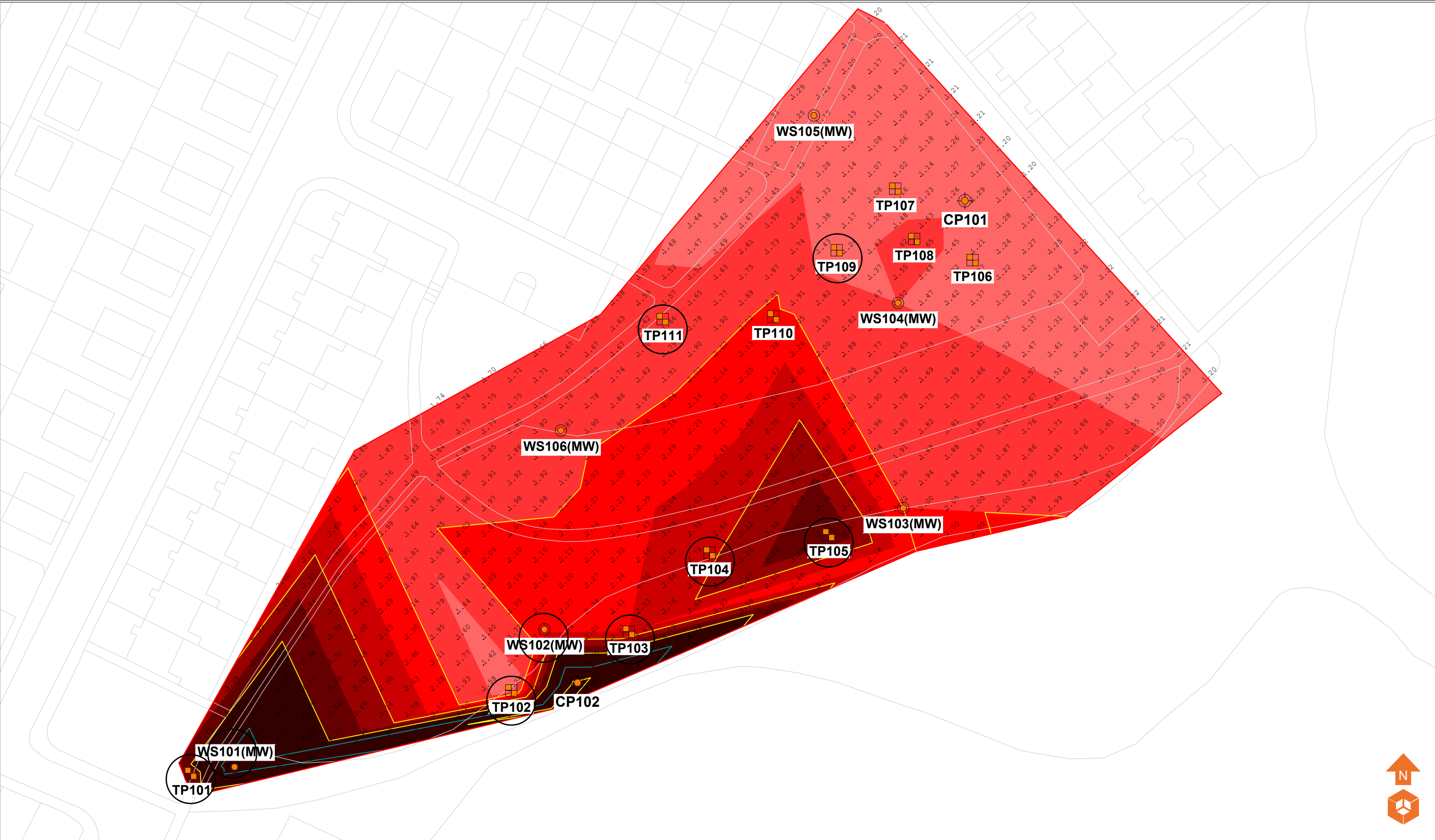


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Location Symbols Approximate Window Sample Probehole Location with Install Approximate Trial Pit Location Approximate Cable Percussive Borehole Location	Notes:					Client:	Job No:	Date:	Environmental Engineering Partnership Ltd Taylor Road, Trafford Park Urmston, Manchester, M41 7JQ Tel: 0161 707 9612 E-mail: info@e3p.co.uk Website: www.e3p.co.uk	
						Jigsaw Homes	16-718	11.09.2023		
							Drawing No:	Scale:		
							005	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.		
P1 REVC 11.08.2023 OW JS P1 REVB 01.08.2023 EB EC P1 REVA 27.06.2023 OW EC					Kenyon Lane, Failsworth	Exploratory Hole Location Plan				
Phase	Issue	Date	Drawn	Checked						



- Location Symbols
- Approximate Window Sample Probehole Location with Install
 - Approximate Trial Pit Location
 - Approximate Cable Percussive Borehole Location

- Made Ground Depth (m)
- Depth of Made Ground 1.00 - 1.49m
 - Depth of Made Ground 1.50 - 1.99m
 - Depth of Made Ground 2.00 - 2.49m
 - Depth of Made Ground 2.50 - 2.99m
 - Depth of Made Ground 3.00 - 3.49m
 - Depth of Made Ground 3.50 - 3.99m
 - Depth of Made Ground >4.00m

Notes:				
P1	REVB	07.08.2023	EB	EC
P1	REVA	01.08.2023	EB	EC
Phase	Issue	Date	Drawn	Checked

Client:

AJP

Job Title:

Kenyon Lane, Failsworth

Job No:

16-718

Drawing No:

006

Date:

07.08.2023

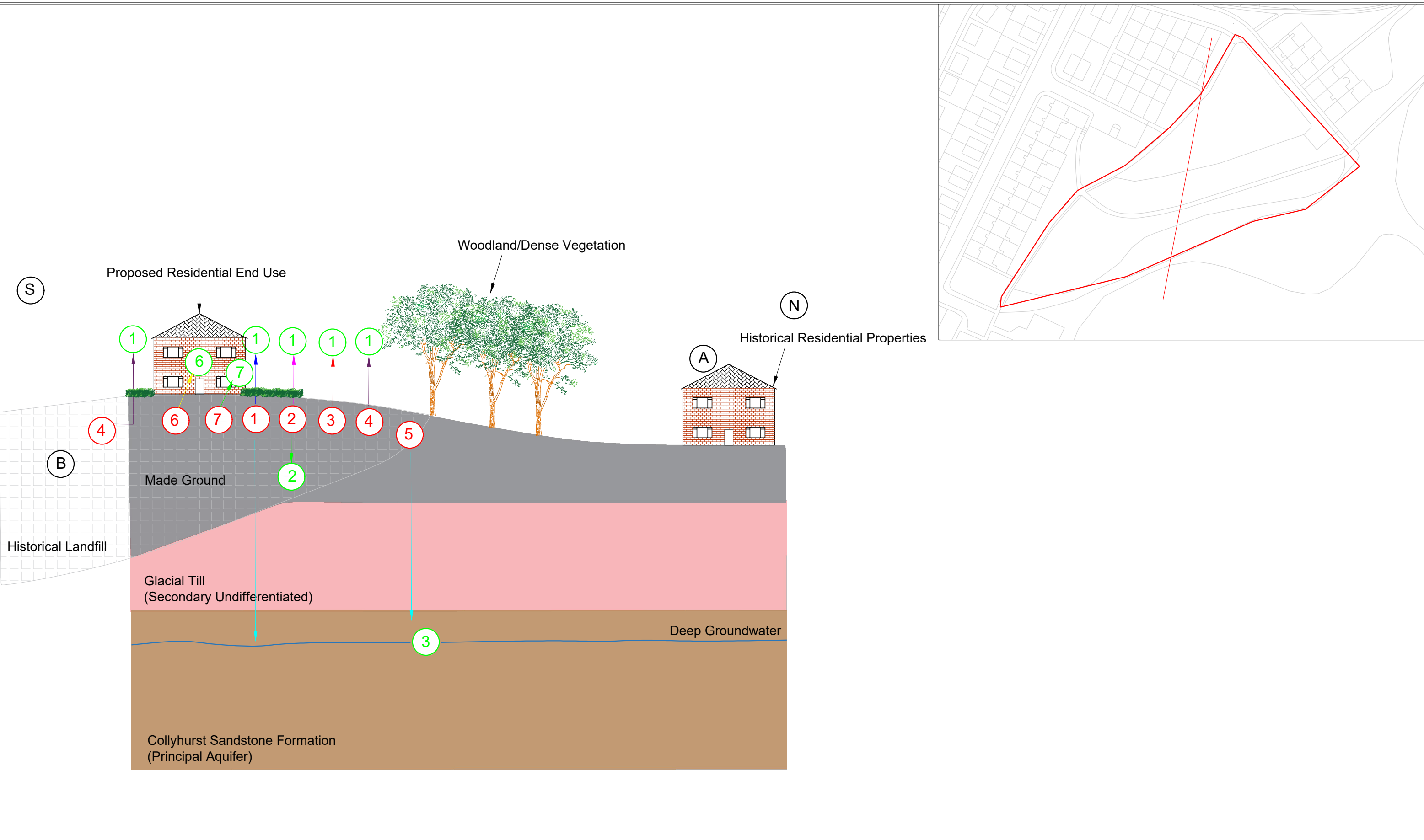
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NTS@ A3



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Geology Key Made Ground Landfill Groundwater Collyhurst Sandstone Formation Glacial Till	Sources ① Heavy Metals, Non Volatile PAH's, Non Volatile TPH's (Made Ground, Landfill) ② Asbestos (Made Ground, Landfill) ③ Volatile Contaminants (TPH, VOC) ④ Ground Gases (Made Ground, Landfill) ⑤ Mobile Contaminants (TPH, VOC) ⑥ Sulphate (Made Ground) ⑦ Phytotoxic Contaminants (Made Ground)	Pathways ➡ Dermal Contact / Ingestion ➡ Vapour Inhalation ➡ Inhalation / Accumulation ➡ Tainting of Water Supplies ➡ Dust Inhalation ➡ Vertical / Lateral Migration ➡ Sulphate Attack on Concrete ➡ Plant Uptake	Receptors ① Future End Users ② Water Pipes ③ Groundwater (Principal B Aquifer) ④ Surface Water Features ⑤ Off-site Receptors ⑥ Building Structure ⑦ Flora	Site Features Ⓐ Historical Residential Building Ⓑ Historical Landfill	Notes:	Client: Jigsaw Homes	Job No: 16-718	Date: 14.09.2023	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
P1 P1	REVB REVA	14.09.2023 24.08.2023	OW OW	JS EC	Job Title: Kenyon Lane, Failsworth	Drawing No: 010	Scale: NTS	Drawing Title: Conceptual Site Model	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					



Site Features		Location Symbols		Development Constraints	
	Mature Trees		Approximate Window Sample Probehole Location with Install		Concrete Slab
	Grass		Approximate Trial Pit Location		Surface Water
	Mature Trees/Woodland		Approximate Cable Percussive Borehole Location		Combined
	Footpath				Distribution Main
	Field Gate				Delineation Extent/Highwall of Landfill
	Electric Box				
	Manholes				

Notes:				
P1	REVB	14.09.2023	OW	JS
P1	REVA	24.08.2023	OW	EC
Phase	Issue	Date	Drawn	Checked

Client:	
Jigsaw Homes	
Job Title:	
Kenyon Lane, Failsworth	

Job No:	
16-718	
Drawing No:	
015	
Date:	
14.09.2023	
Scale:	
NTS@ A3	
Drawing Title:	
Development Constraints Plan	

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Location Symbols

- Approximate Window Sample Probehole Location with Install
- Approximate Trial Pit Location
- Approximate Cable Percussive Borehole Location

Contamination Issues

- Asbestos
- TPH C12 - C16
- Heavy Metals
- Non Volatile PAH
- Mercury

Notes:

Client:

AJP

Job No:

16-718

Drawing No:

018

Date:

24.08.2023

Scale:

NTS@ A3



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P1

REVA

24.08.2023

OW

EC

Phase

Issue

Date

Drawn

Checked

Job Title:

Kenyon Lane, Failsworth

Drawing Title:

Contaminations Issues Plan

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