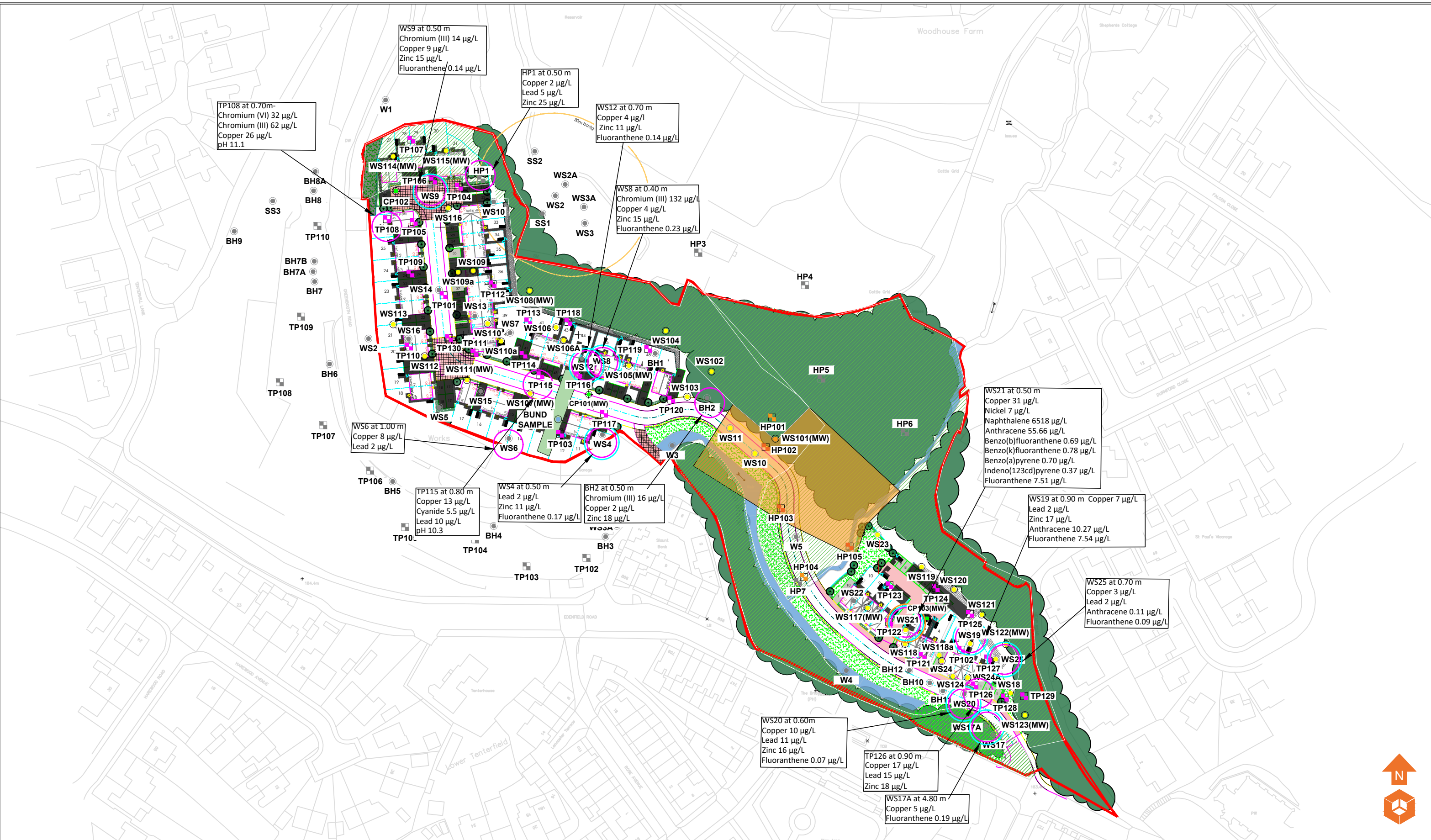




Location Symbols

- Approximate Window Sample Probehole Location
- Approximate Trial Pit Location
- Approximate Cable Percussive Borehole Location
- Inaccessible Area
- Historical Landfill

Location Symbols

- Approximate Hand Dug Pit Location
- Bund Sample Location
- Approximate Hand Dug Pit Location (Enica - April 2006)
- Approximate Trial Pit Location (Enica - April 2006)
- Approximate Window Sample Probehole Location (Enica - April 2006)
- Approximate Borehole Location (Enica - April 2006)

Contamination Exceedances

- Heavy Metals
- Non-Volatile PAH
- Naphthalene

Notes:

P1	REVC	06.06.2023	OW	MW
P1	REVB	02.05.2023	OW	MW
P1	REVA	26.04.2023	OW	MW
Phase	Issue	Date	Drawn	Checked

Client:

Stonebond Properties Ltd
Land at Greenbooth Road and Edenfield Road, Norden

Job No:

16-465
Drawing No:
034
Drawing Title:
Contamination Issues Plan - Leachate

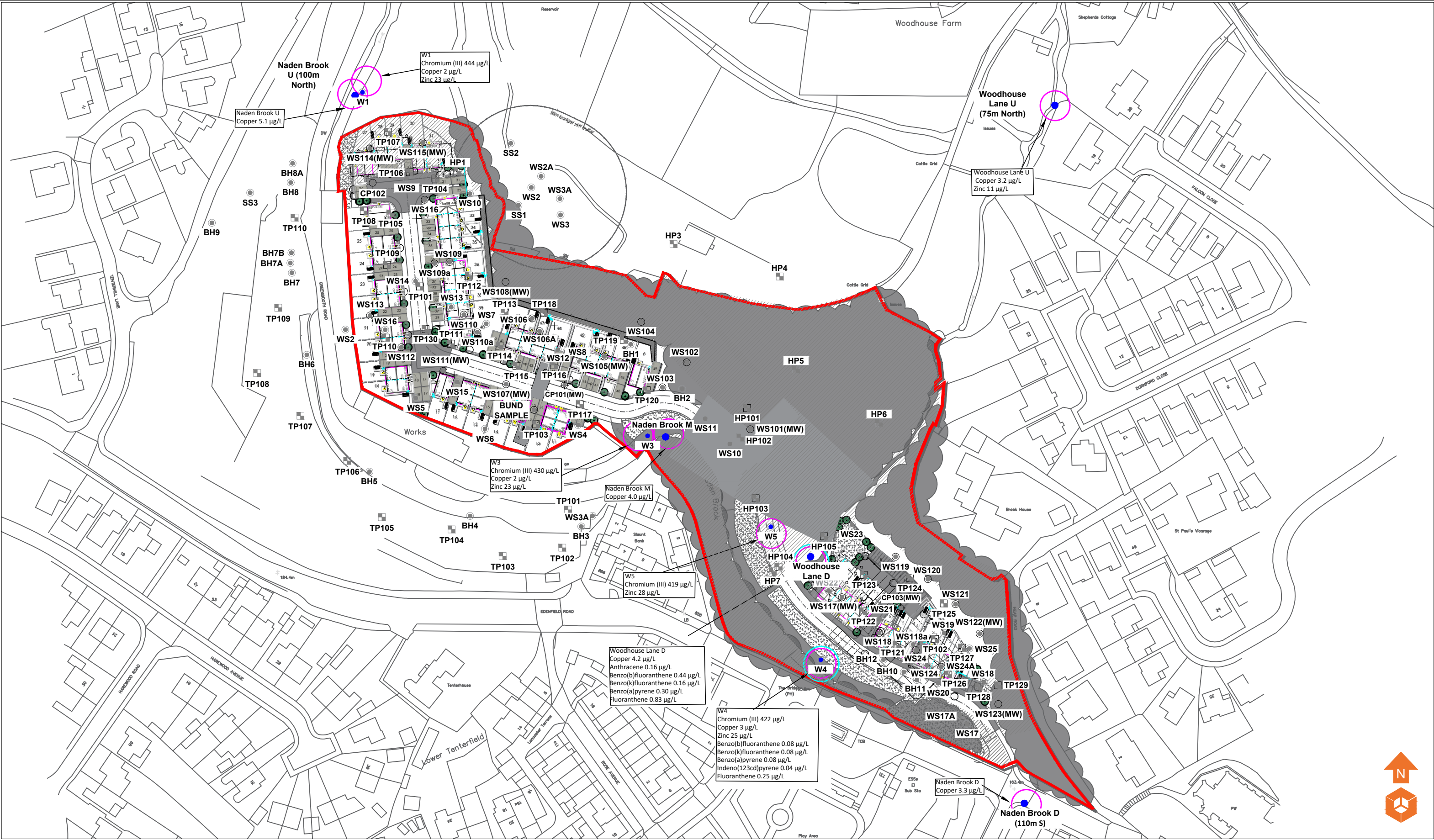
Date:

06.06.2023
Scale:
NTS@ A3



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

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Location Symbols

- Approximate Window Sample Probehole Location
- Approximate Trial Pit Location
- Approximate Cable Percussive Borehole Location
- Inaccessible Area
- Historical Landfill
- Approximate Hand Dug Pit Location
- Bund Sample Location
- Approximate Hand Dug Pit Location (Enica - April 2006)
- Approximate Trial Pit Location (Enica - April 2006)
- Approximate Window Sample Probehole Location (Enica - April 2006)
- Approximate Borehole Location (Enica - April 2006)
- Approximate Surface Water Sample Location
- Heavy Metals
- Non-Volatile PAH

Notes:

P1	REVC	06.06.2023	OW	MW
P1	REVB	02.05.2023	OW	MW
P1	REVA	26.04.2023	OW	MW
Phase	Issue	Date	Drawn	Checked

Client:

Stonebond Properties Ltd

Job Title:

Land at Greenbooth Road and
Edenfield Road, Norden

Job No:

16-465

Drawing No:

035

Drawing Title:

Surface Water Sample
Locations

Date:

06.06.2023

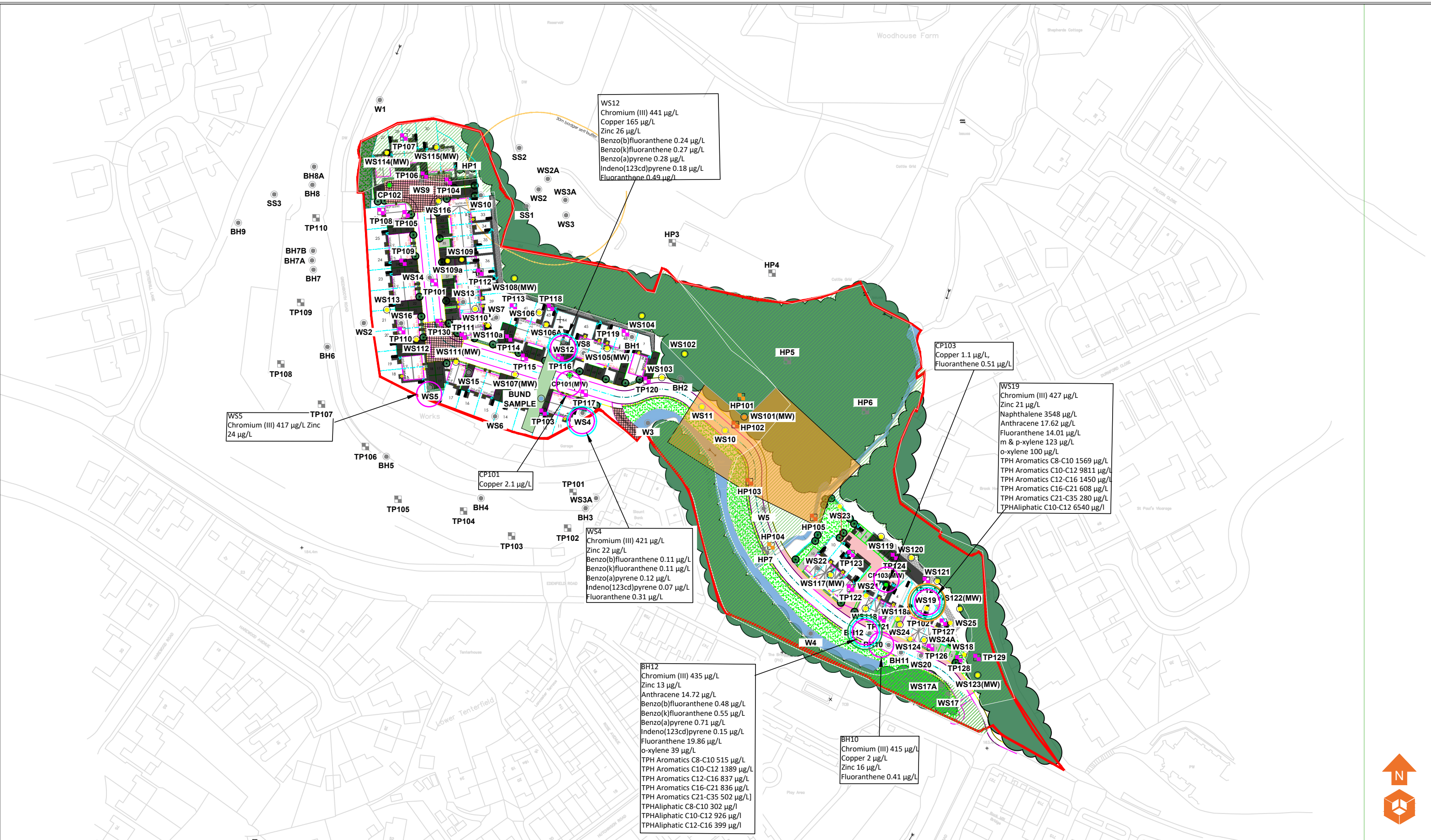
Scale:

NTS@ A3



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Location Symbols

- Approximate Window Sample Probehole Location
- Approximate Trial Pit Location
- Approximate Cable Percussive Borehole Location
- Inaccessible Area
- Historical Landfill

Location Symbols

- Approximate Hand Dug Pit Location
- Bund Sample Location
- Approximate Hand Dug Pit Location (Enica - April 2006)
- Approximate Trial Pit Location (Enica - April 2006)
- Approximate Window Sample Probehole Location (Enica - April 2006)
- Approximate Borehole Location (Enica - April 2006)

Contamination Exceedances

- Heavy Metals
- Non-Volatile PAH
- Naphthalene
- TPH

Notes:

P1	REVC	06.06.2023	OW	MW
P1	REVB	02.05.2023	OW	MW
P1	REVA	26.04.2023	OW	MW
Phase	Issue	Date	Drawn	Checked

Client:

Stonebond Properties Ltd
Land at Greenbooth Road and Edenfield Road, Norden

Job No:

16-465
Drawing No: 036

Date:

06.06.2023
Scale: NTS@ A3

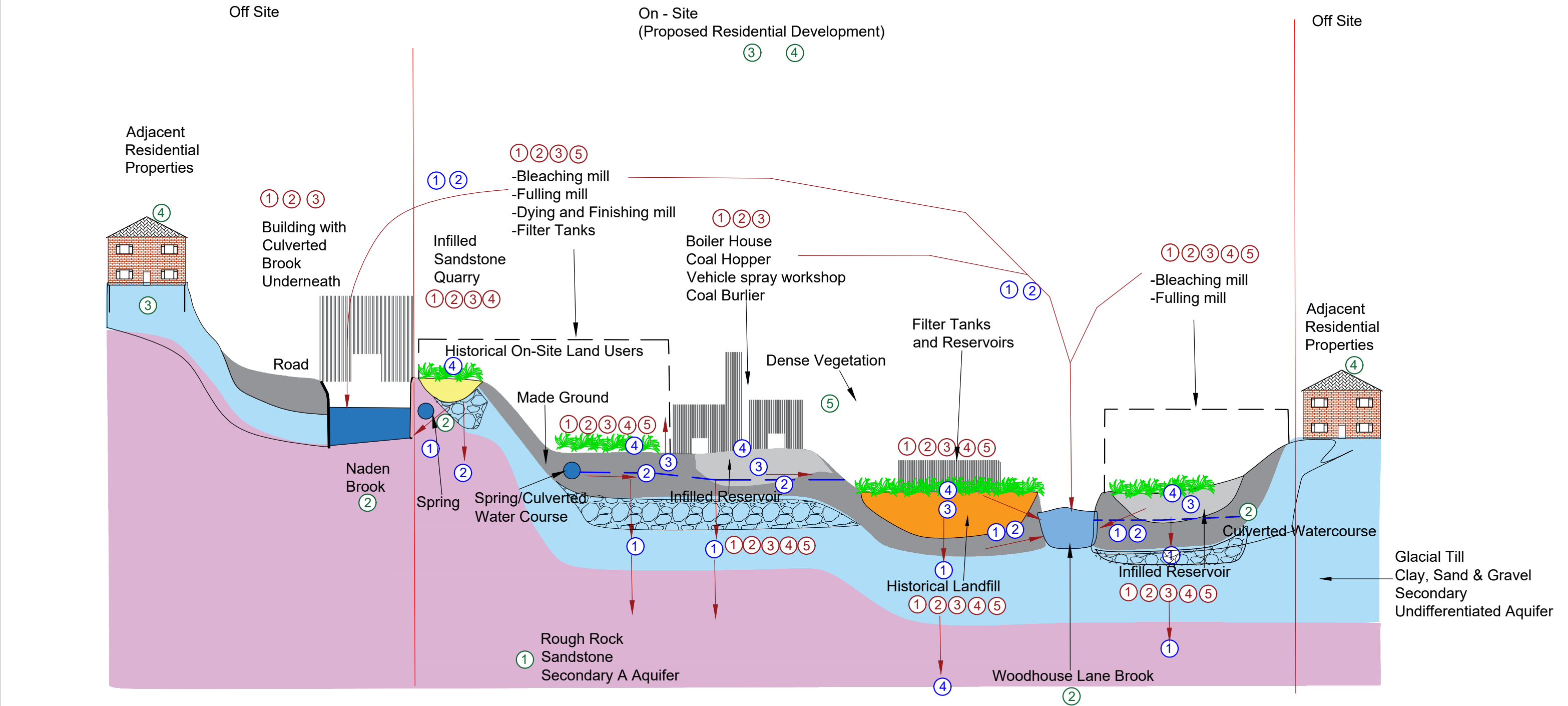


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Website: www.e3p.co.uk

Drawing Title:

Contamination Issues Plan - Groundwater
--

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Geology Key Made Ground Clay Sandstone Brook Retaining Walls Structures Infilled Reservoir Infilled Sandstone Quarry Historical Landfill	Sources 1 Heavy metals, heavy end hydrocarbons and non volatile polycyclic hydrocarbons (PAHs) 2 Volatile Organic Compounds (VOCs) and TPHs 3 Asbestos Containing Materials (ACMs) 4 Hazardous Ground Gases (CO2/CH4) 5 pH and Sulphate	Receptors 1 Secondary A Aquifer 2 Surface Water Courses 3 Foundation/Concrete 4 Residential End Users 5 Flora and Fauna	Pathways 1 Vertical Migration 2 Lateral Migration 3 Inhalation of Gas/Vapor/Dust 4 Dermal Contact/Soil Ingestion Pathways arrows	Notes:					Client: Stonebond Properties Ltd		Job No: 16-465	Date: 18.01.2023	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																
											Drawing No: 037	Scale: 1:1000 @ A3																	
				<table><tr><td>P1</td><td>REVC</td><td>18.01.2023</td><td>OW</td><td>MW</td></tr><tr><td>P1</td><td>REVB</td><td>14.12.2022</td><td>OW</td><td>MW</td></tr><tr><td>P1</td><td>REVA</td><td>27.10.2022</td><td>OW</td><td>MD</td></tr><tr><td>Phase</td><td>Issue</td><td>Date</td><td>Drawn</td><td>Checked</td></tr></table>					P1	REVC	18.01.2023	OW		MW	P1	REVB	14.12.2022	OW	MW	P1	REVA	27.10.2022	OW	MD	Phase	Issue	Date	Drawn	Checked
P1	REVC	18.01.2023	OW	MW																									
P1	REVB	14.12.2022	OW	MW																									
P1	REVA	27.10.2022	OW	MD																									
Phase	Issue	Date	Drawn	Checked																									

APPENDIX IV

PHOTOGRAPHS

PLATE 1 TP101 EXCAVATION



PLATE 2 TP115 EXCAVATION



PLATE 3 TP124 ARISINGS



PLATE 4 TP116 EXCAVATION WITH OBSTRUCTIONS



PLATE 5 TP107 EXCAVATION WITH OBSTRUCTIONS



PLATE 6 HP105 EXCAVATION WITH VISIBLE ASBESTOS FRAGMENTS



APPENDIX V

E3P EXPLORATORY HOLE LOGS & CROSS SECTION

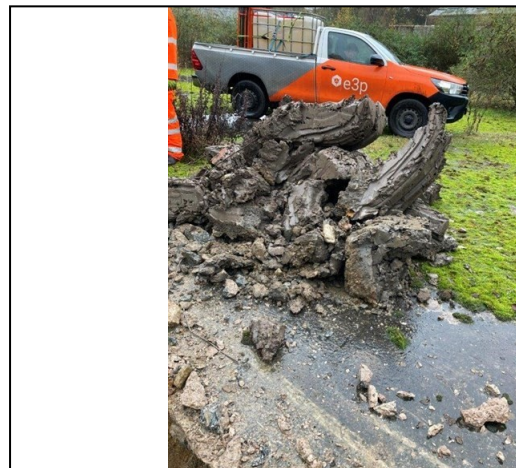
Project Name: Edenfield Road	Project No. 16465	Co-ords: 385678.00 - 414765.00 Level:	Date 15/11/2022
Location: Norden	Dimensions (m): 1.50 0.80		Scale 1:30
Client: Stonebond Group Ltd	Depth 2.10		Logged H. Mason

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
				0.25			MADE GROUND: Concrete.	
				0.80			MADE GROUND: Brown sandy gravel. Gravel is fine to coarse subangular to subrounded of sandstone, mudstone, brick and concrete with occasional fragments of plastic.	
	1.00	HVP	134				Stiff high strength brown gravelly CLAY. Gravel is fine to coarse subangular to subrounded of sandstone and mudstone.	1
	1.50	HVP	137					
	1.90	HVP	142					2
				2.10			End of Pit at 2.10m	3
								4

Trial Pit Photographs



Trial Pit 101



Trial Pit 101 Spoil

Remarks: 1. Complete. 2. Soakaway testing carried out in the trial pit. 3. No groundwater encountered.

Stability: Stable

Project Name: Edenfield Road

Project No.
16465

Co-ords: 385858.00 - 414636.00
Level:

Date
15/11/2022

Location: Norden

Dimensions (m): 1.50

Scale
1:30

Client: Stonebond Group Ltd

Depth
2.00

0.80

Logged
H. Mason

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
	0.20	ES		0.10			MADE GROUND: Asphalt.
							MADE GROUND: Brown slightly clayey sandy gravel. Gravel is fine to coarse subangular to subrounded of sandstone, mudstone, brick and concrete with occasional fragments of plastic and glass.
				2.00			End of Pit at 2.00m

Trial Pit Photographs



Trial Pit 102



Trial Pit 102 Spoil

Remarks: 1. Terminated due to instability. 2. No groundwater encountered.

Stability: Unstable

Project Name: Edenfield Road	Project No. 16465	Co-ords: 385717.00 - 414714.00 Level:	Date 15/11/2022
Location: Norden	Dimensions (m): Depth 1.90		Scale 1:30
Client: Stonebond Group Ltd	0.80 1.50		Logged H. Mason

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
▼ 1.50	0.80	ES		0.10			MADE GROUND: Concrete.	1
				MADE GROUND: Dark brown sandy gravel. Gravel is fine to coarse subangular to subrounded of sandstone, mudstone, brick and concrete with occasional fragments of ceramic.				
				1.10			Brown gravelly SAND. Gravel is fine to coarse subangular to subrounded of sandstone and mudstone.	2
				1.90		End of Pit at 1.90m		
								3
								4

Trial Pit Photographs



Trial Pit 103

Trial Pit 103 Spoil

Remarks: 1. Terminated due to instability. 2. Water strike encountered at 1.50 m bgl.

Stability: Unstable





Trial Pit Log

TrialPit No
TP105
Sheet 1 of 1

Project Name: Edenfield Road Project No. 16465 Co-ords: 385669.00 - 414795.00 Date 16/11/2022

Location: Norden Dimensions (m): 1.50 Scale 1:30

Client: Stonebond Group Ltd Depth 1.20 Logged H. Mason

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
				0.30			MADE GROUND: Concrete.	
							MADE GROUND: Dark brown slightly clayey sandy gravel. Gravel is fine to coarse subangular to subrounded of sandstone, brick and concrete.	
	1.00	ES		1.20			End of Pit at 1.20m	1
								2
								3
								4

Remarks: 1. Terminated due to pipe in base of trial pit. 2. No groundwater encountered.

Stability: Stable



Project Name: Edenfield Road	Project No. 16465	Co-ords: 385675.00 - 414804.00 Level:	Date 16/11/2022
Location: Norden	Dimensions (m): 1.50 0.80 Depth 1.80		Scale 1:30
Client: Stonebond Group Ltd			Logged H. Mason

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	1.20	ES		0.10			MADE GROUND: Concrete.	
							MADE GROUND: Dark brown sandy gravel. Gravel is fine to coarse subangular to subrounded of sandstone, mudstone, brick and concrete with occasional fragments of wood.	
				1.80			End of Pit at 1.80m	

Trial Pit Photographs



Trial Pit 106

Trial Pit 106 Spoil

Remarks: 1. Terminated due to instability. 2. No groundwater encountered

Stability: Unstable

Project Name: Edenfield Road	Project No. 16465	Co-ords: 385669.00 - 414816.00 Level:	Date 16/11/2022
Location: Norden		Dimensions (m): 1.50 0.80	Scale 1:30
Client: Stonebond Group Ltd		Depth 1.10	Logged H. Mason

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.50	ES		0.20			MADE GROUND: Concrete.	
							MADE GROUND: Dark brown very sandy gravel. Gravel is fine to coarse subangular to subrounded of sandstone, brick, and concrete with occasional fragments of metal and ceramic.	1
				1.10			End of Pit at 1.10m	2
								3
								4

Trial Pit Photographs



Trial Pit 107

Trial Pit 107 Spoil

Remarks: 1. Terminated due to concrete base, scraping for 5 minutes and made no progress. 2. No groundwater encountered.

Stability: Stable

Project Name: Edenfield Road	Project No. 16465	Co-ords: 385657.00 - 414792.00 Level:	Date 16/11/2022
Location: Norden	Dimensions (m): 1.50 0.80		Scale 1:30
Client: Stonebond Group Ltd	Depth 1.20		Logged H. Mason

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.70	ES		0.20			MADE GROUND: Concrete with rebar.	
				1.20			MADE GROUND: Dark brown sandy gravel. Gravel is fine to coarse subangular to subrounded of sandstone, mudstone, brick and concrete with occasional fragments of plastic.	1
							End of Pit at 1.20m	2
								3
								4

Trial Pit Photographs



Trial Pit 108

Trial Pit 108 Spoil

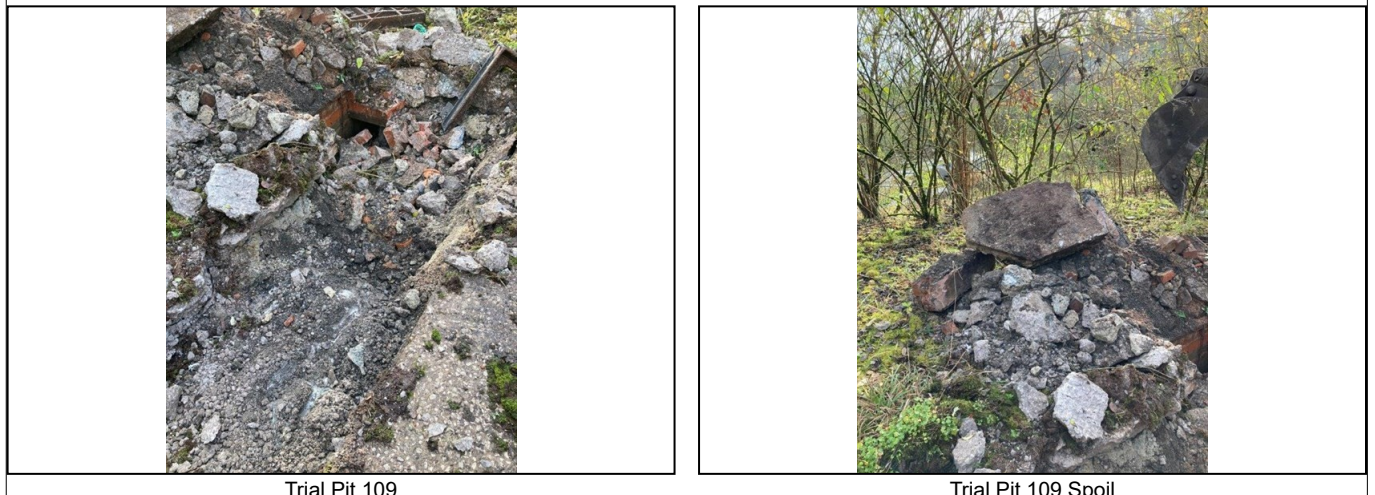
Remarks: 1. Terminated due to concrete base, scraping for 5 minutes and made no progress. 2. No groundwater encountered.

Stability: Stable

Project Name: Edenfield Road	Project No. 16465	Co-ords: 385669.00 - 414777.00 Level:	Date 16/11/2022
Location: Norden		Dimensions (m): 0.80 1.50	Scale 1:30
Client: Stonebond Group Ltd		Depth 0.70	Logged H. Mason

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.40	ES		0.30			MADE GROUND: Concrete.	
				0.70			MADE GROUND: Grey slightly sandy gravel. Gravel is fine to coarse subangular to subrounded of concrete and brick.	
							End of Pit at 0.70m	

Trial Pit Photographs



Remarks: 1. Terminated due to basement feature in south of the trial pit. 2. No groundwater encountered.

Stability: Unstable

Project Name: Edenfield Road	Project No. 16465	Co-ords: 385663.00 - 414747.00 Level:	Date 16/11/2022
Location: Norden	Dimensions (m): 1.50 Depth 1.80		Scale 1:30
Client: Stonebond Group Ltd			Logged H. Mason

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
				0.20			MADE GROUND: Concrete with rebar.	
	1.00	ES					MADE GROUND: Dark brown sandy gravel. Gravel is fine to coarse subangular to subrounded of sandstone, mudstone, brick and concrete with occasional fragments of metal and ceramic.	1
	1.50	HVP	43	1.50			Firm medium strength greyish blue sandy slightly gravelly CLAY. Gravel is fine to coarse subangular to subrounded of sandstone and mudstone.	
	1.70 1.70	B HVP	52	1.80			End of Pit at 1.80m	2
								3
								4

Trial Pit Photographs



Trial Pit 110



Trial Pit 110 Spoil

Remarks: 1. Complete. 2. No groundwater encountered.

Stability: Stable

Project Name: Edenfield Road

Project No.
16465

Co-ords: 385690.00 - 414744.00
Level:

Date
16/11/2022

Location: Norden

Dimensions (m): 1.50

Scale
1:30

Client: Stonebond Group Ltd

Depth
0.50

0.80

1.50

Logged
H. Mason

[illegible]

Trial Pit Photographs



Trial Pit 111



Trial Pit 111 Spoil

Remarks: 1. Terminated due to concrete base, scraping for 5 minutes and made no progress. 2. No groundwater encountered.

Stability: Stable



Project Name: Edenfield Road

Project No.
16465

Co-ords: 385711.00 - 414750.00
Level:

Date
16/11/2022

Location: Norden

Dimensions (m): 1.50

Scale
1:30

Client: Stonebond Group Ltd

Depth
1.10

0.80

1.50

Logged
H. Mason

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.20			MADE GROUND: Concrete.
				0.60			MADE GROUND: Dark brown sandy gravel. Gravel is fine to coarse subangular to subrounded of sandstone, mudstone brick and concrete.
	0.80	ES		0.90			MADE GROUND: Dark brown blackish slightly clayey slightly gravelly silt. Gravel is fine to coarse subangular to subrounded of sandstone brick, and concrete.
	0.90	ES		1.00			MADE GROUND: White sandy gravelly silt. Gravel is fine to coarse subangular to subrounded of sandstone, brick and concrete.
				1.10			MADE GROUND: Dark brown to black slightly clayey slightly gravelly silt. Gravel is fine to coarse subangular to subrounded of sandstone brick, and concrete. End of Pit at 1.10m

Trial Pit Photographs



Trial Pit 113



Trial Pit 113 Spoil

Remarks: 1. Terminated due to pipe in base of trial pit. 2. No groundwater encountered.

Stability:	Stable
------------	--------

Project Name: Edenfield Road	Project No. 16465	Co-ords: 385708.00 - 414741.00 Level:	Date 16/11/2022
Location: Norden	Dimensions (m): Depth 1.50		Scale 1:30
Client: Stonebond Group Ltd	0.80		Logged H. Mason

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
▼ 1.50	1.00	ES		0.30			MADE GROUND: Concrete.	1
							MADE GROUND: Dark brown sandy gravel with occasional cobbles. Gravel is fine to coarse subangular to subrounded of sandstone, mudstone, brick, and concrete with frequent plastic bottles. Cobbles are angular of concrete.	
						1.50		
								3
								4

Trial Pit Photographs



Trial Pit 114

Trial Pit 114 Spoil

Remarks: 1. Terminated due to instability. 2. Water strike encountered at 1.50 m bgl. 3. Brick wall in the south of the trial pit.

Stability: Unstable