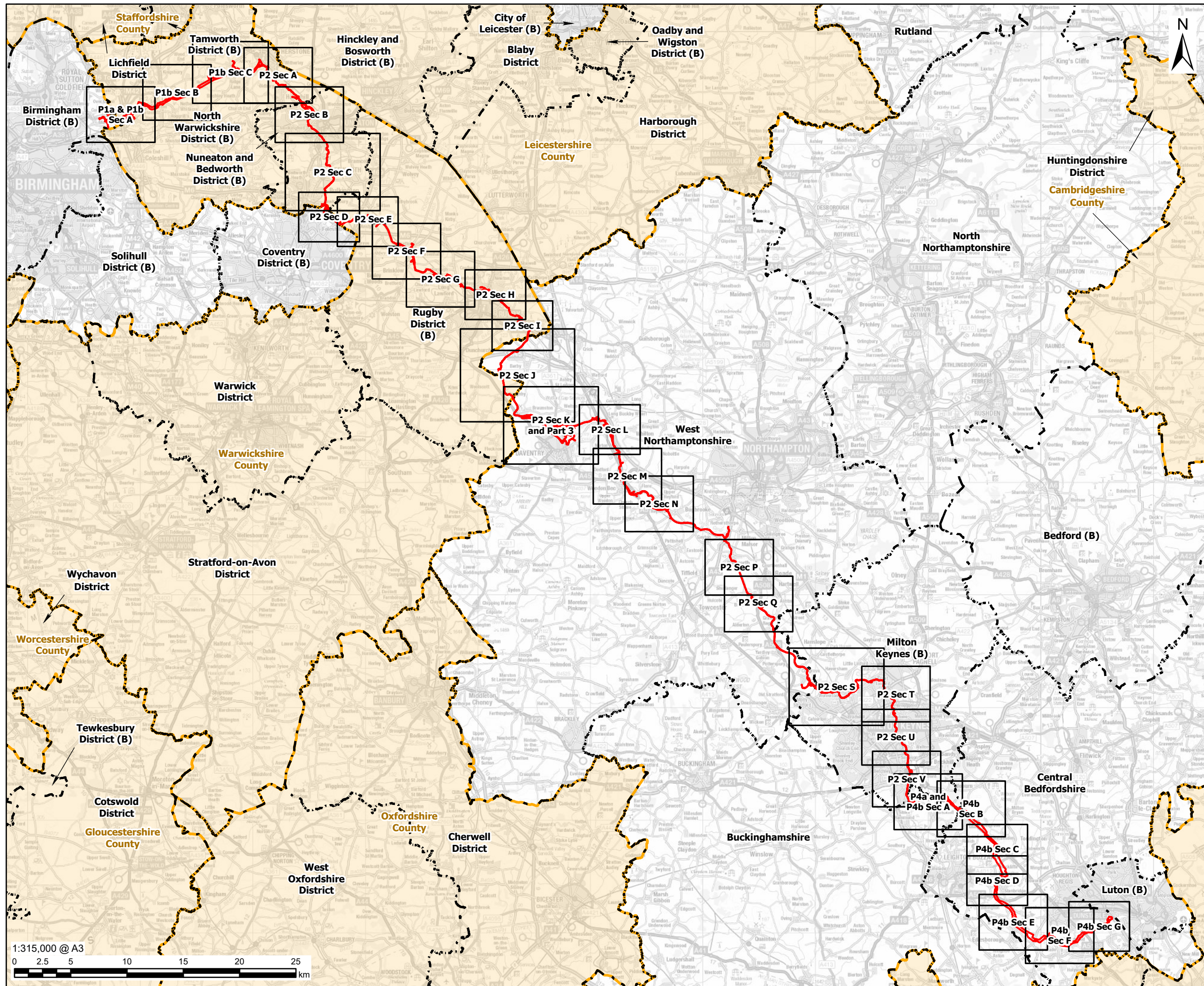
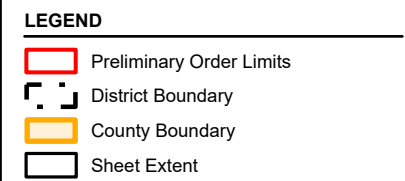


**Figure 14-PD-3: Parts 1, 2, 3 & 4 Bedrock Geology
and Morphological Features**



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PROJECT NUMBER
60720432
FIGURE TITLE
Parts 1, 2, 3 & 4 Bedrock Geology and Morphological Features Overview
FIGURE NUMBER
Figure 14-PD-3



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- ## NOTES

- ## ISSUE PURPOSE

FINAL

PROJECT NUMBER

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FIGURE TITLE

Parts 1, 2, 3 & 4 Bedrock Geology and
Morphological Features
Sheet P1a & P1b Sec A

FIGURE NUMBER

Figure 14-PD-3



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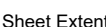
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250m Study Area for Geology, Land Contamination and Hydrogeology



Section Break

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ISSUE PURPOSE

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FIGURE TITLE
Parts 1, 2, 3 & 4 Bedrock Geology and
Morphological Features
Sheet P1b Sec B

FIGURE NUMBER

Figure 14-PD-3



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- ## NOTES

- ## ISSUE PURPOSE

FINAL

PROJECT NUMBER

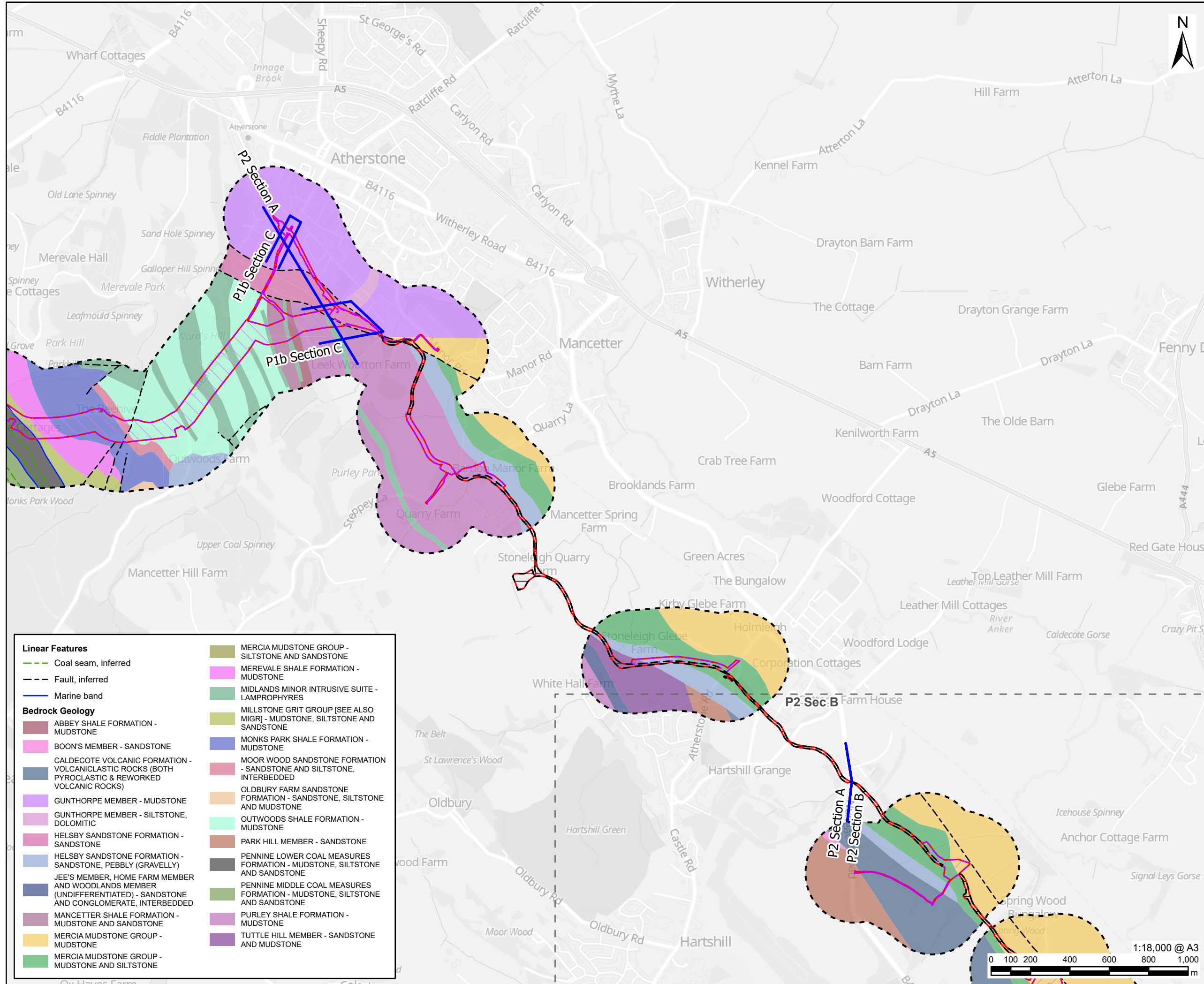
60720432

FIGURE TITLE

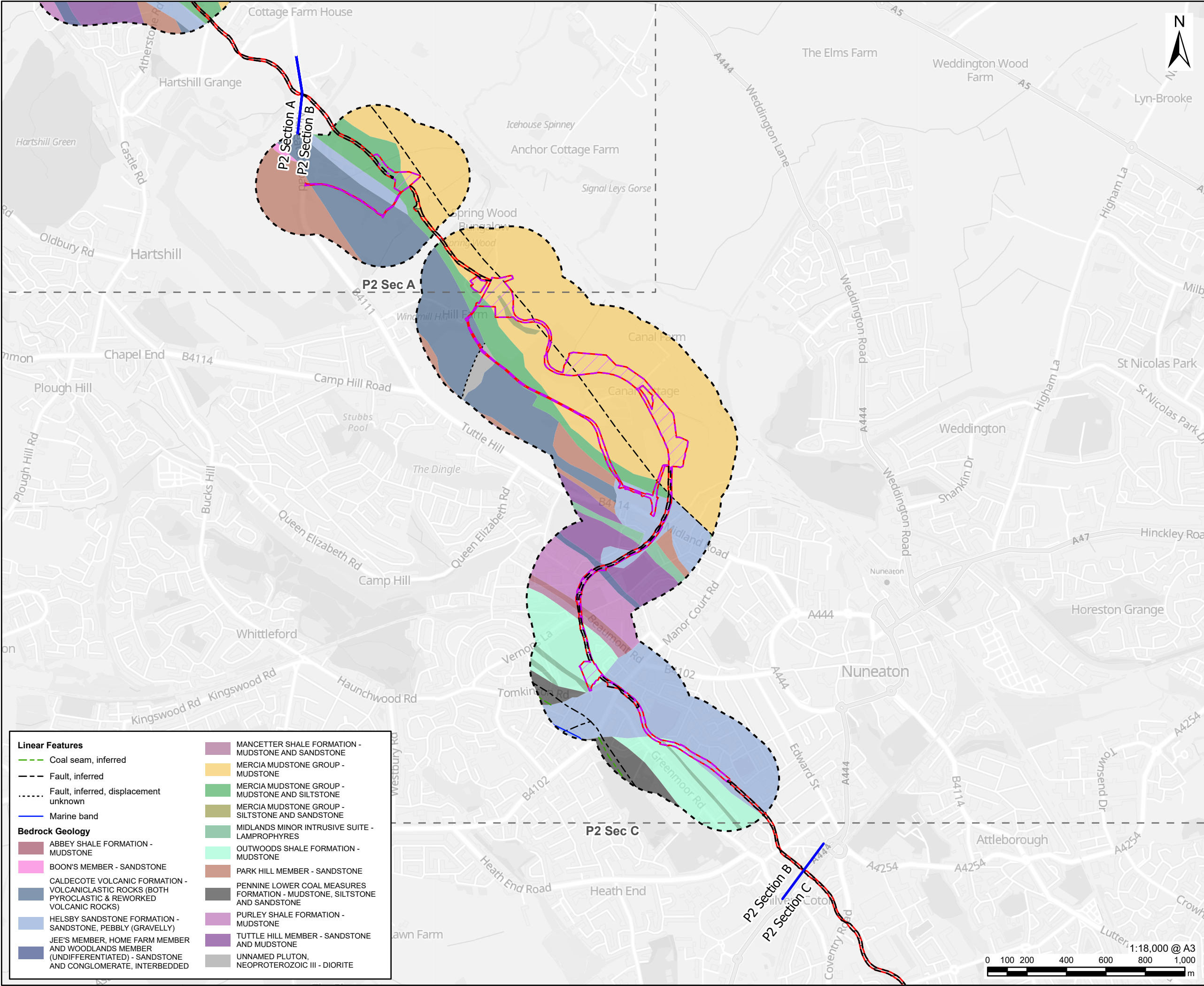
Parts 1, 2, 3 & 4 Bedrock Geology and
Morphological Features
Sheet P1b Sec C

FIGURE NUMBER

Figure 14-PD-3



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Linear Features	
	Coal seam, inferred
	Fault, inferred
	Fault, inferred, displacement unknown
	Marine band
Bedrock Geology	
	ABBAY SHALE FORMATION - MUDSTONE
	BOON'S MEMBER - SANDSTONE
	CALDECOTE VOLCANIC FORMATION - VOLCANICLASTIC ROCKS (BOTH PYROCLASTIC & REWORKED VOLCANIC ROCKS)
	HELBSBY SANDSTONE FORMATION - SANDSTONE, PEBBLY (GRAVELLY)
	JEE'S MEMBER, HOME FARM MEMBER AND WOODLANDS MEMBER (UNDIFFERENTIATED) - SANDSTONE AND CONGLOMERATE, INTERBEDDED
	MANCETTER SHALE FORMATION - MUDSTONE AND SANDSTONE
	MERCIA MUDSTONE GROUP - MUDSTONE
	MERCIA MUDSTONE GROUP - MUDSTONE AND SILTSTONE
	MERCIA MUDSTONE GROUP - SILTSTONE AND SANDSTONE
	MIDLANDS MINOR INTRUSIVE SUITE - LAMPROPHYRES
	OUTWOODS SHALE FORMATION - MUDSTONE
	PARK HILL MEMBER - SANDSTONE
	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE
	PURLEY SHALE FORMATION - MUDSTONE
	TUTTLE HILL MEMBER - SANDSTONE AND MUDSTONE
	UNNAMED PLUTON, NEOPROTEROZOIC III - DIORITE

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LEGEND

- Part 2 - Indicative Work Area
- Part 2 - Indicative Non-Work Area
- 250m Study Area for Geology, Land Contamination and Hydrogeology
- Preliminary Order Limits
- Sheet Extent
- Section Break

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FIGURE TITLE

Parts 1, 2, 3 & 4 Bedrock Geology and Morphological Features
Sheet P2 Sec B

FIGURE NUMBER

Figure 14-PD-3

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LEGEND

-  Part 2 - Indicative Work Area
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 250m Study Area for Geology, Land Contamination and Hydrogeology
 Preliminary Order Limits
 Sheet Extent
 Section Break

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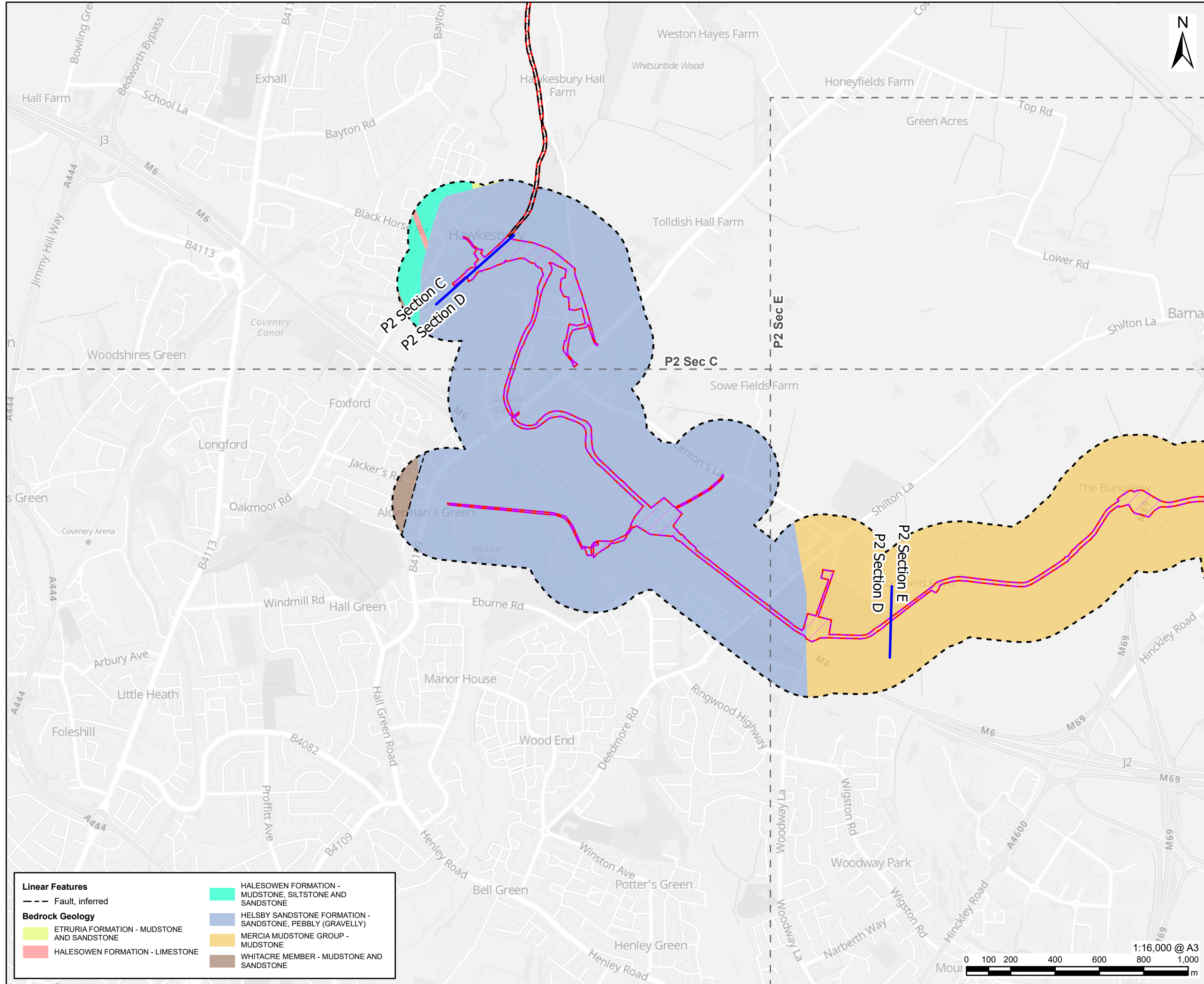
60720432

FIGURE TITLE

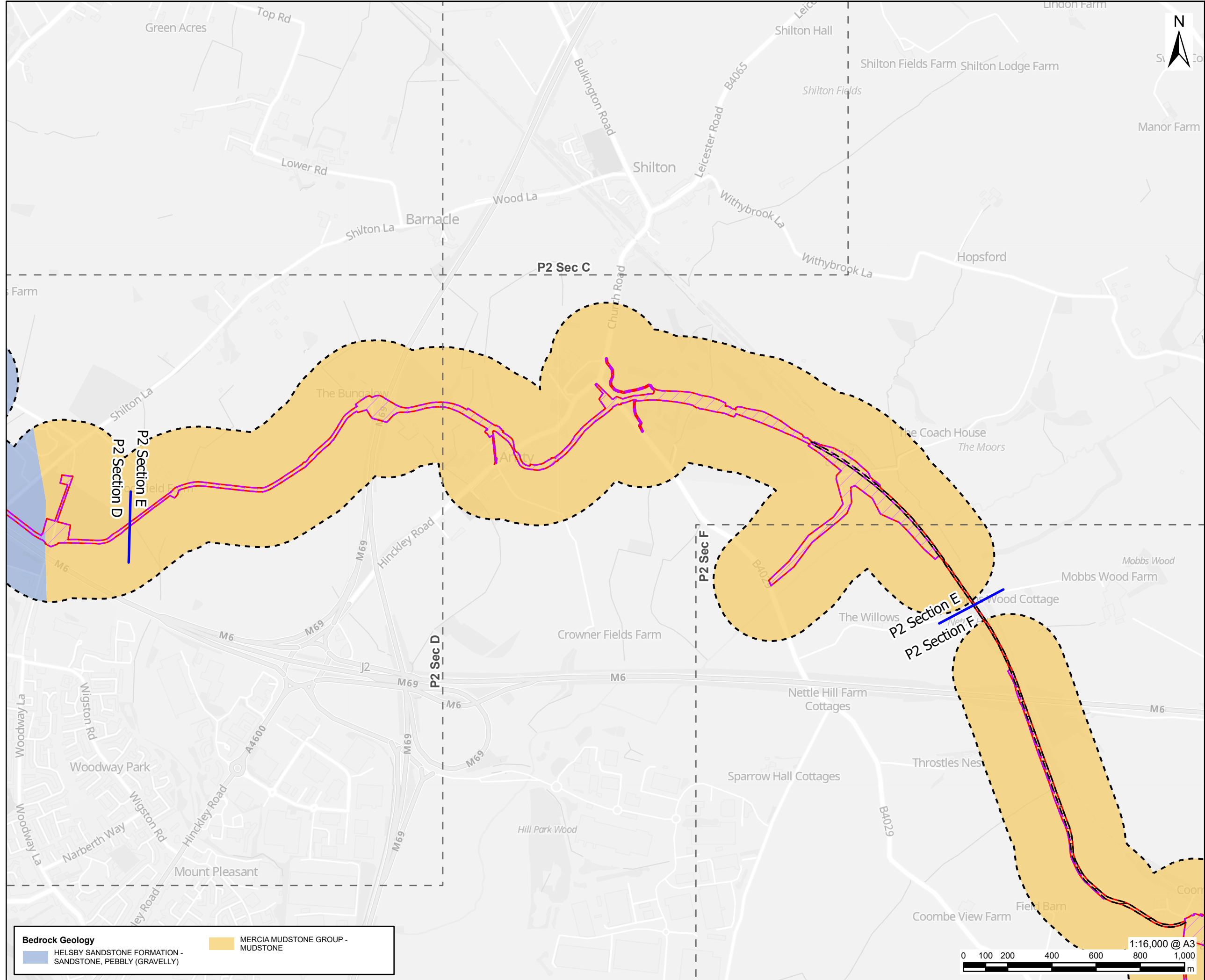
Parts 1, 2, 3 & 4 Bedrock Geology and
Morphological Features
Sheet P2 Sec C

FIGURE NUMBER

Figure 14-PD-3



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LEGEND

-  Part 2 - Indicative Work Area
 Part 2 - Indicative Non-Work Area
 250m Study Area for Geology, Land Contamination and Hydrogeology
 Preliminary Order Limits
 Sheet Extent
 Section Break

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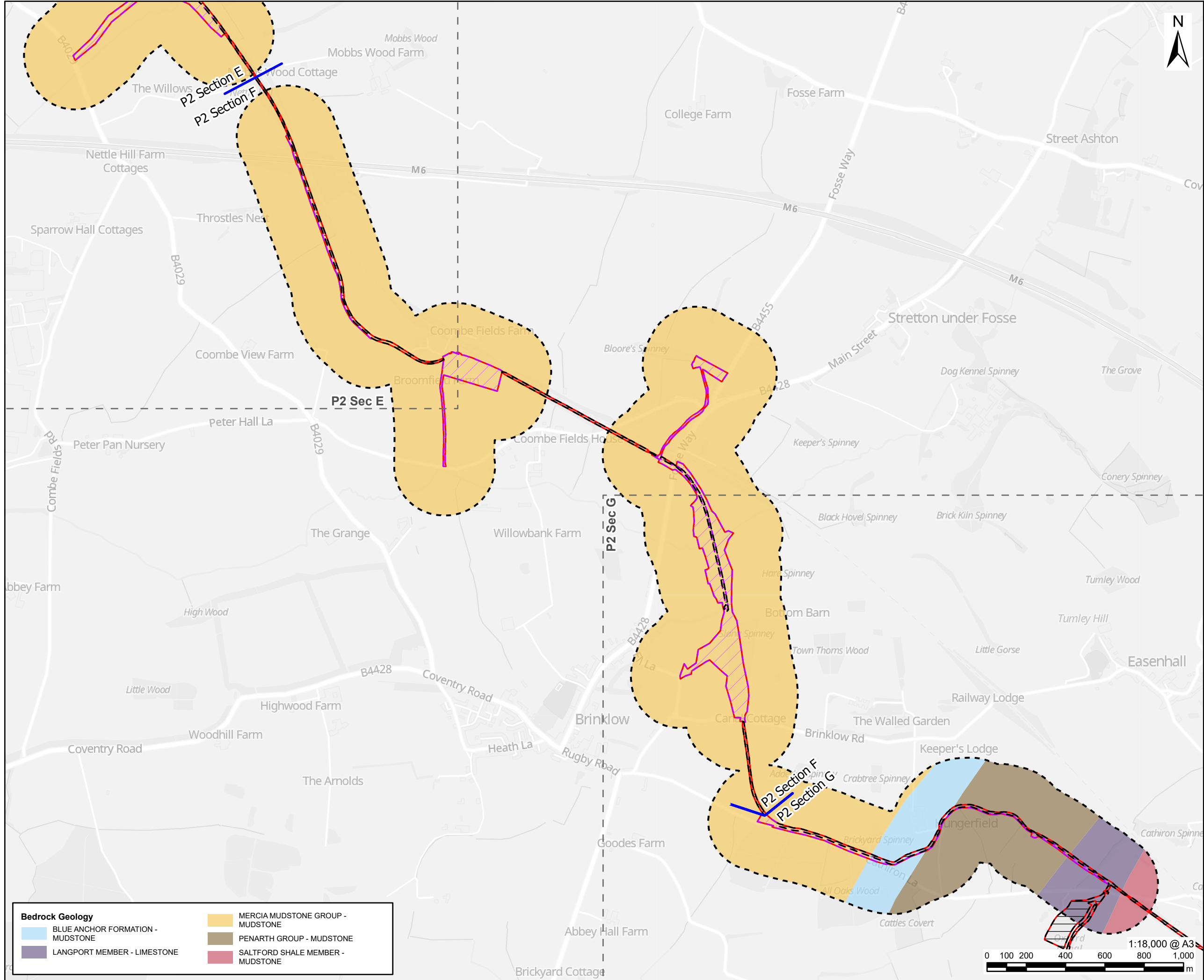
60720432

FIGURE TITLE

Parts 1, 2, 3 & 4 Bedrock Geology and
Morphological Features
Sheet P2 Sec E

FIGURE NUMBER

Figure 14-PD-3



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LEGEND

-  Part 2 - Indicative Work Area
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 Preliminary Order Limits
 Sheet Extent
 Section Break

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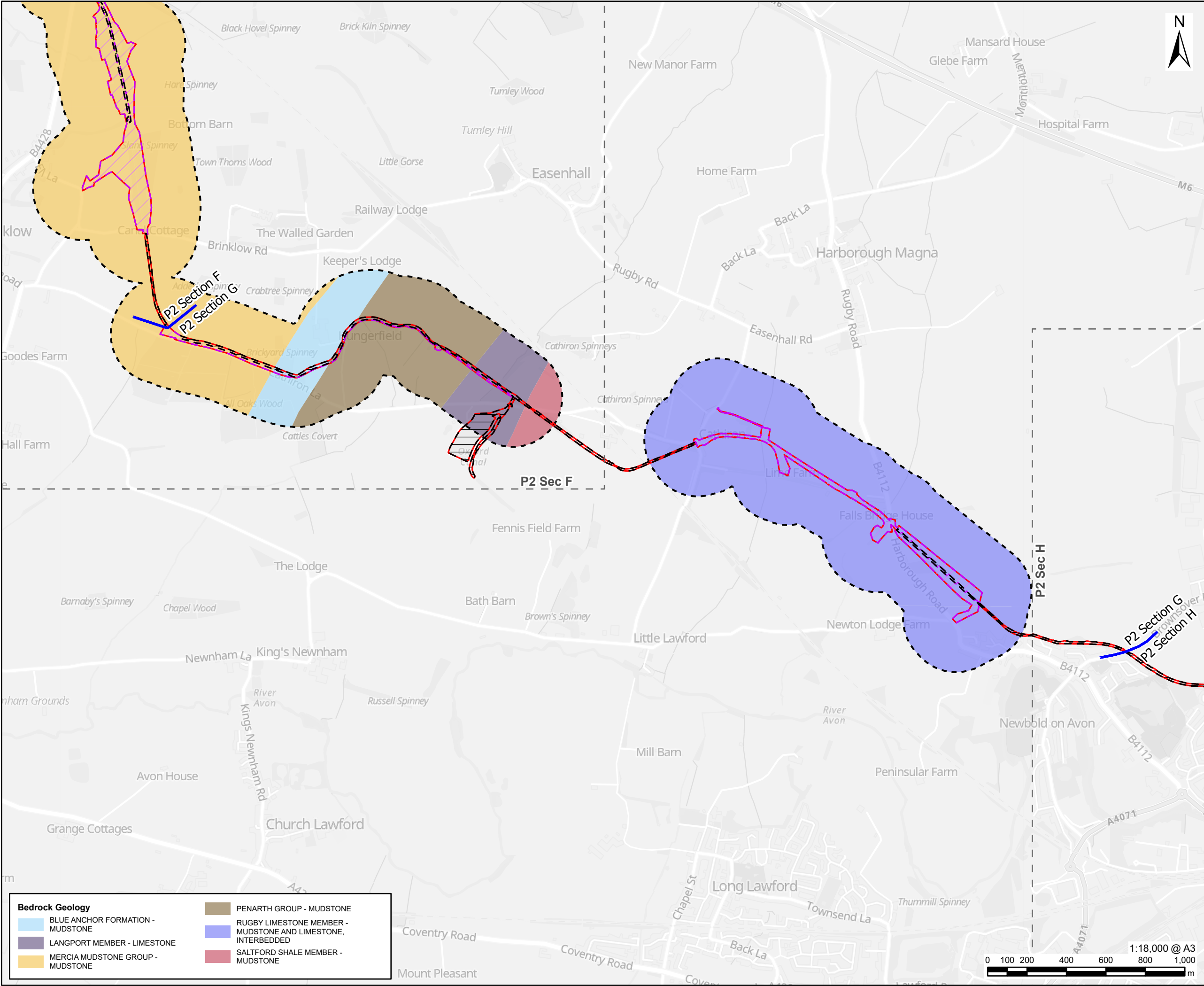
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FIGURE TITLE

Parts 1, 2, 3 & 4 Bedrock Geology and
Morphological Features
Sheet P2 Sec F

FIGURE NUMBER

Figure 14-PD-3



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LEGEND

Part 2 - Indicative Work Area

Part 2 - Indicative Non-Work Area

250m Study Area for Geology, Land Contamination and Hydrogeology

Preliminary Order Limits

Sheet Extent

Section Break

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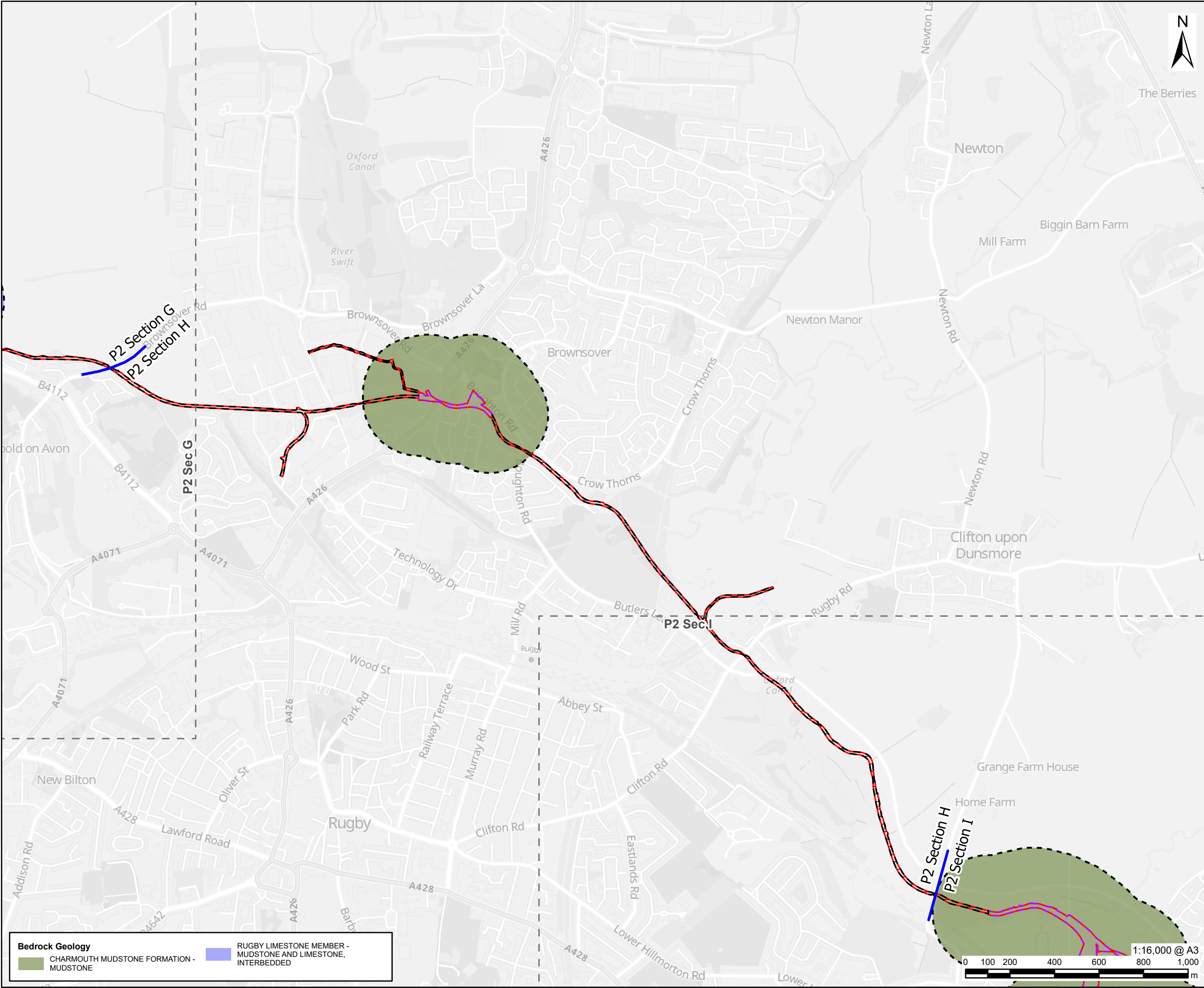
FIGURE TITLE

Parts 1, 2, 3 & 4 Bedrock Geology and Morphological Features
Sheet P2 Sec G

FIGURE NUMBER

Figure 14-PD-3

Revision: 0 Drawn: BSO Checked: JW Approved: LC Date: 2025-11-27
Filename: C:\Users\Ben.O'Neill\AECOM\Affinity Water GUC GIS team - Affinity Water EIA Project\02_Maps\FEI_Report\Chapter_14_Ground_Conditions\Fig_14_PD_3_Bedrock_Geology_and_Linear_Features.aprx



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LEGEND

Part 2 - Indicative Work Area

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Preliminary Order Limits

Sheet Extent

Section Break

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FIGURE TITLE

Parts 1, 2, 3 & 4 Bedrock Geology and Morphological Features

Sheet P2 Sec H

FIGURE NUMBER

Figure 14-PD-3



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LEGEND

	Part 2 - Indicative Work Area
	Part 2 - Indicative Non-Work Area
	250m Study Area for Geology, Land Contamination and Hydrogeology
	Preliminary Order Limits
	Sheet Extent
	Section Break

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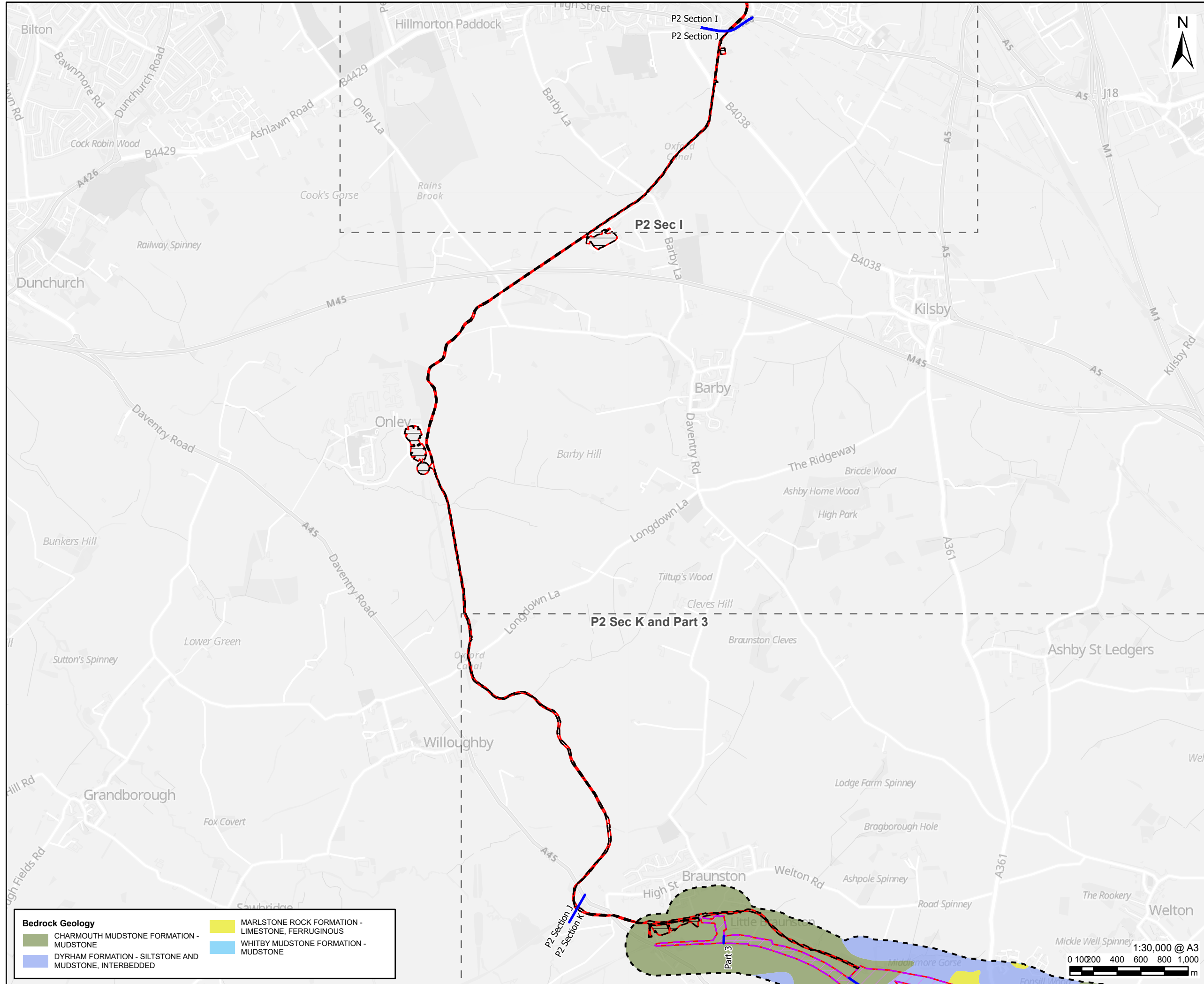
PROJECT NUMBER
60720432

FIGURE TITLE

Parts 1, 2, 3 & 4 Bedrock Geology and
Morphological Features
Sheet P2 Sec I

FIGURE NUMBER

Figure 14-PD-3



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LEGEND

	Part 2 - Indicative Work Area
	Part 2 - Indicative Non-Work Area
	Part 3 - Indicative Work Area
	250m Study Area for Geology, Land Contamination and Hydrogeology
	Preliminary Order Limits
	Sheet Extent
	Section Break

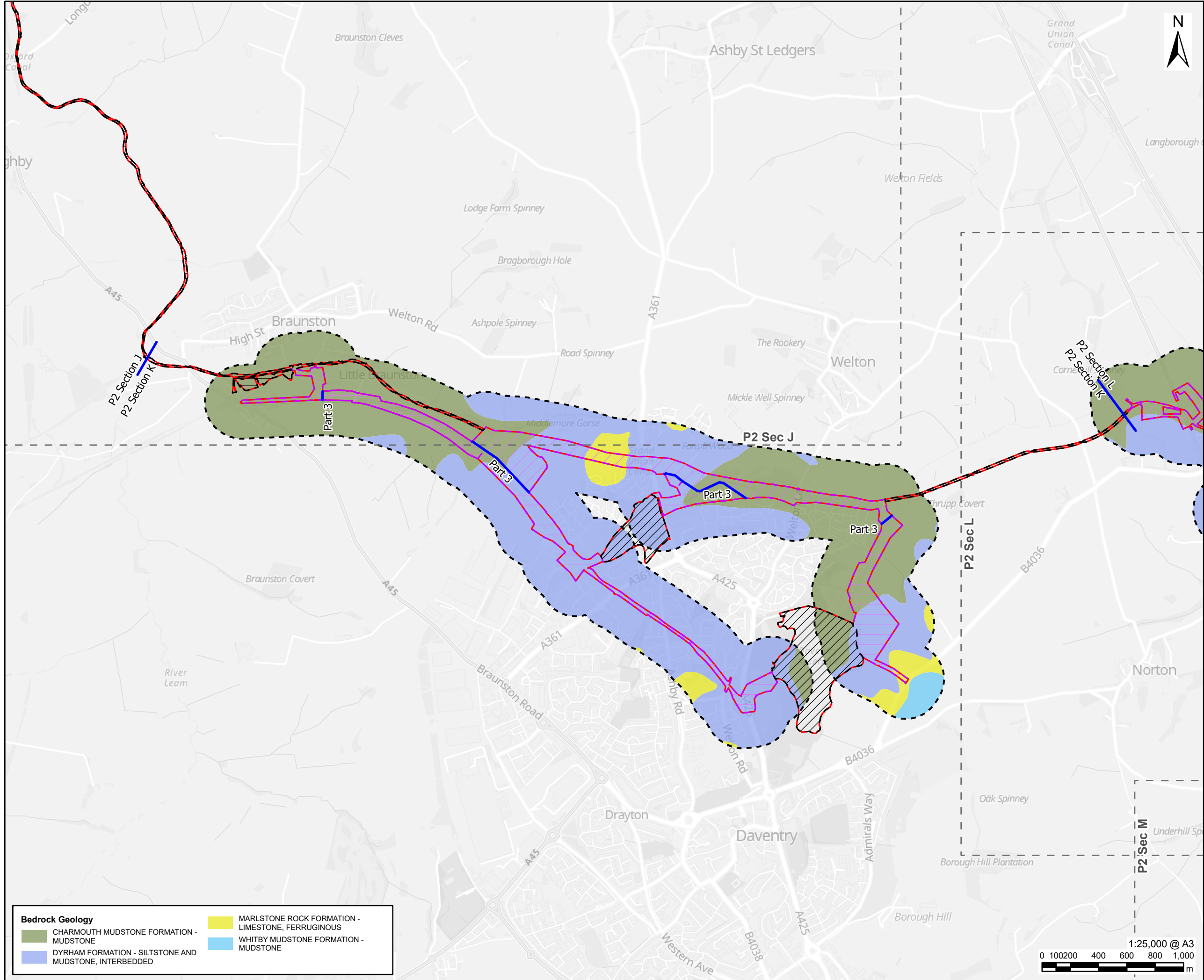
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FINAL
PROJECT NUMBER
60720432
FIGURE TITLE
Parts 1, 2, 3 & 4 Bedrock Geology and Morphological Features Sheet P2 Sec J
FIGURE NUMBER
Figure 14-PD-3



Bedrock Geology

- CHARMOUTH MUDSTONE FORMATION - MUDSTONE
DYRHAM FORMATION - SILTSTONE AND MUDSTONE, INTERBEDDED
LIMESTONE, FERRUGINOUS
WHITBY MUDSTONE FORMATION - MUDSTONE

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LEGEND

-  Part 2 - Indicative Work Area
 Part 2 - Indicative Non-Work Area
 Part 3 - Indicative Work Area
 Part 3 - Indicative Non-Work Area
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 Preliminary Order Limits
 Sheet Extent
 Section Break

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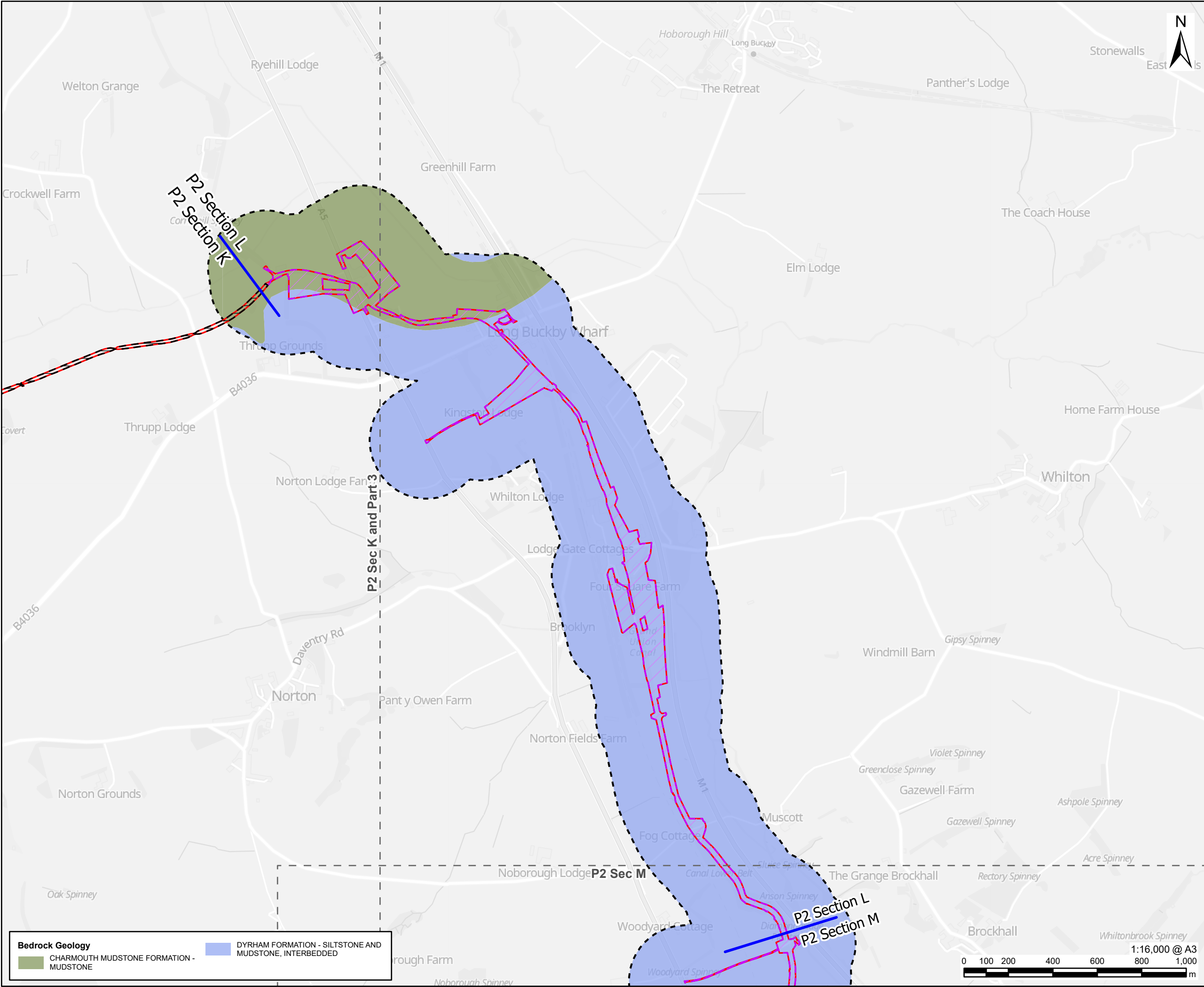
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FIGURE TITLE

Parts 1, 2, 3 & 4 Bedrock Geology and
Morphological Features
Sheet P2 Sec K and Part 3

FIGURE NUMBER

Figure 14-PD-3



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LEGEND

- Part 2 - Indicative Work Area
- Part 2 - Indicative Non-Work Area
- 250m Study Area for Geology, Land Contamination and Hydrogeology
- Preliminary Order Limits
- Sheet Extent
- Section Break

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FIGURE TITLE

Parts 1, 2, 3 & 4 Bedrock Geology and Morphological Features
Sheet P2 Sec L

FIGURE NUMBER

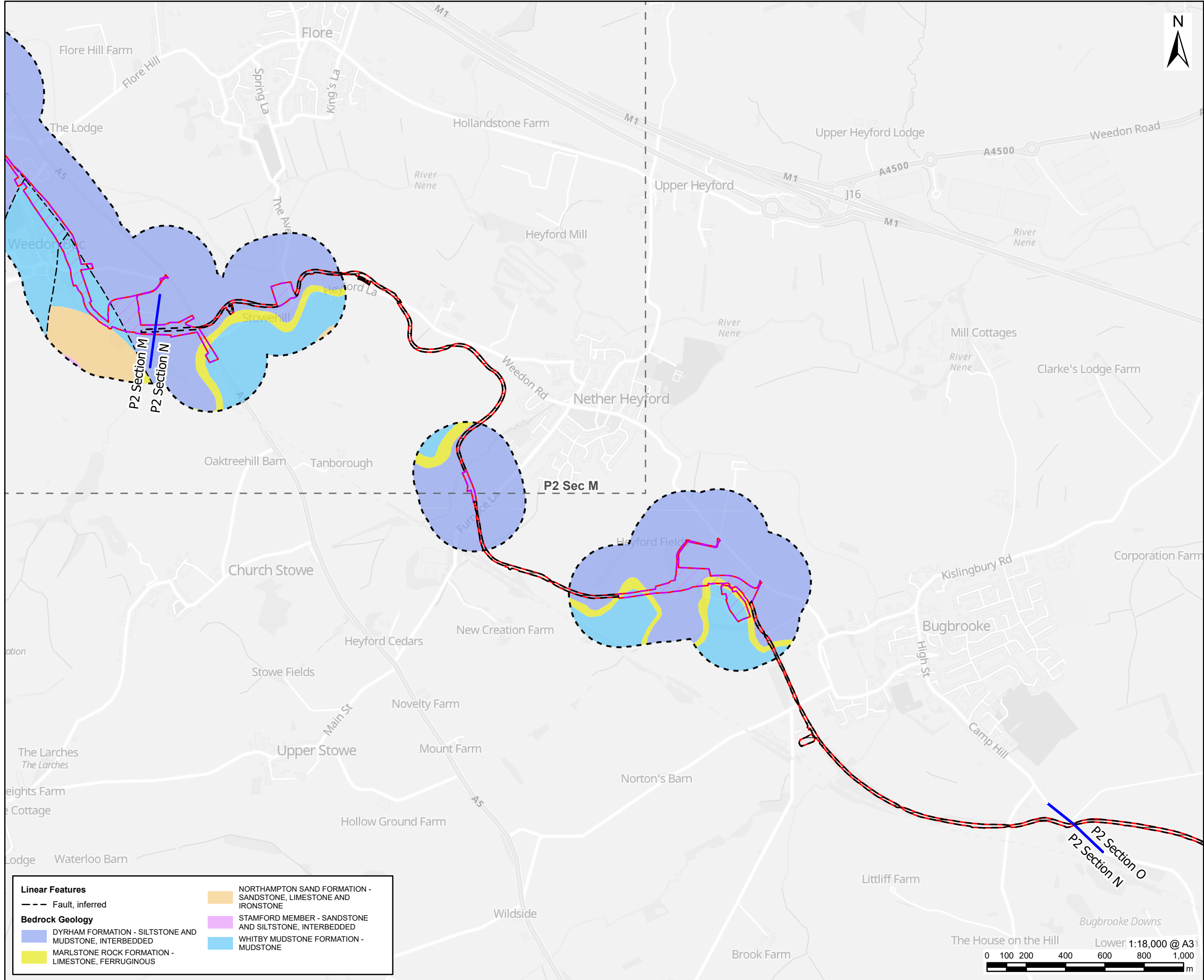
Figure 14-PD-3



LEGEND

	Part 2 - Indicative Work Area
	Part 2 - Indicative Non-Work Area
	250m Study Area for Geology, Land Contamination and Hydrogeology
	Preliminary Order Limits
	Sheet Extent
	Section Break

ISSUE PURPOSE
FINAL
PROJECT NUMBER
60720432
FIGURE TITLE
Parts 1, 2, 3 & 4 Bedrock Geology and Morphological Features Sheet P2 Sec M
FIGURE NUMBER
Figure 14-PD-3



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LEGEND

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 Preliminary Order Limits
 Sheet Extent
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FIGURE TITLE

Parts 1, 2, 3 & 4 Bedrock Geology and
Morphological Features
Sheet P2 Sec N

FIGURE NUMBER

Figure 14-PD-3



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LEGEND

-  Part 2 - Indicative Work Area
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 Preliminary Order Limits
 Sheet Extent
 Section Break

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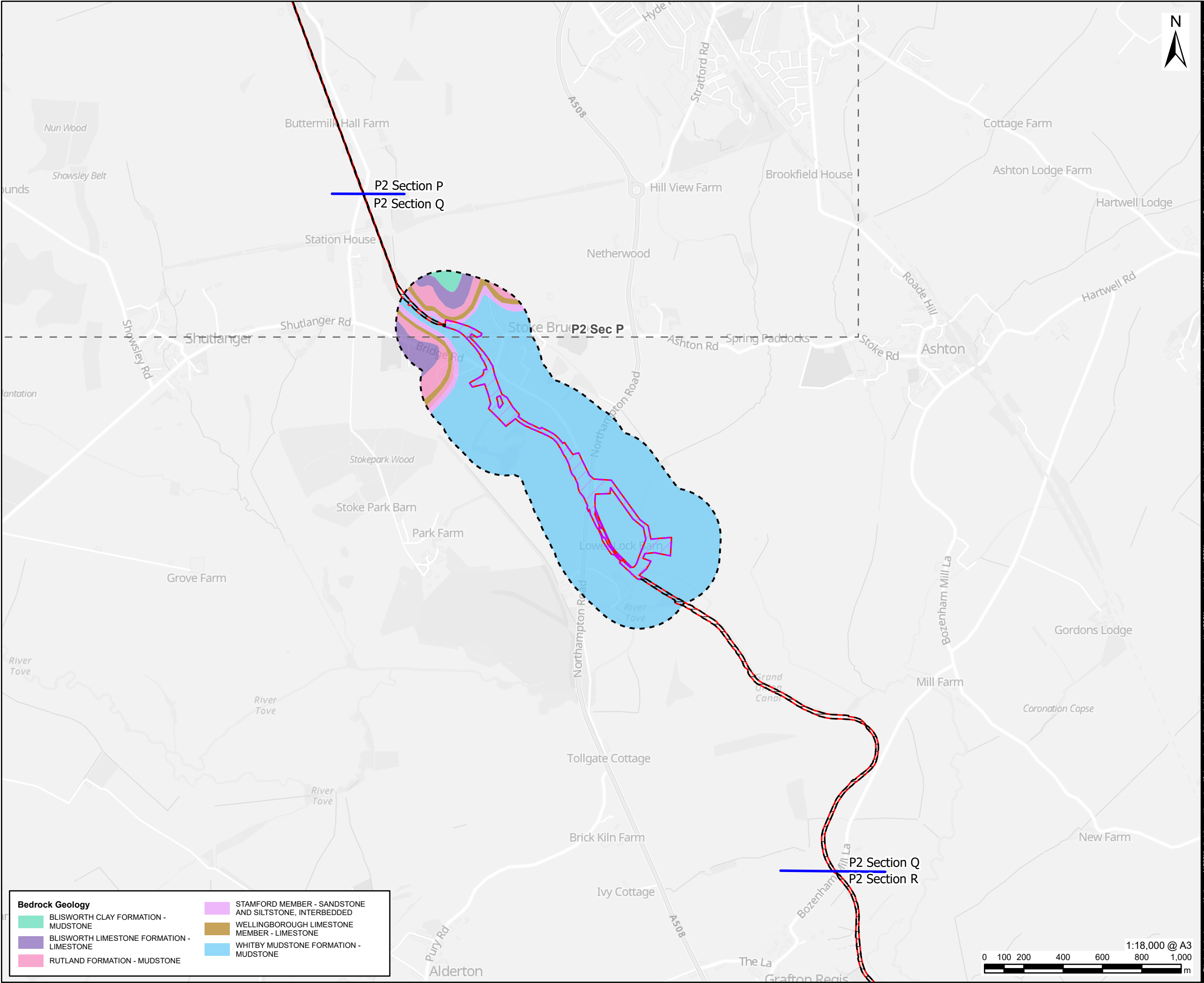
PROJECT NUMBER

60720432

FIGURE TITLE
Parts 1, 2, 3 & 4 Bedrock Geology and
Morphological Features
Sheet P2 Sec P

FIGURE NUMBER

Figure 14-PD-3



Bedrock Geology

BLISWORTH CLAY FORMATION - MUDSTONE

BLISWORTH LIMESTONE FORMATION - LIMESTONE

RUTLAND FORMATION - MUDSTONE

STAMFORD MEMBER - SANDSTONE AND SILTSTONE, INTERBEDDED

WELLINGBOROUGH LIMESTONE MEMBER - LIMESTONE

WHITBY MUDSTONE FORMATION - MUDSTONE

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LEGEND

Part 2 - Indicative Work Area

Part 2 - Indicative Non-Work Area

250m Study Area for Geology, Land Contamination and Hydrogeology

Preliminary Order Limits

Sheet Extent

Section Break

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FIGURE TITLE

Parts 1, 2, 3 & 4 Bedrock Geology and Morphological Features
Sheet P2 Sec Q

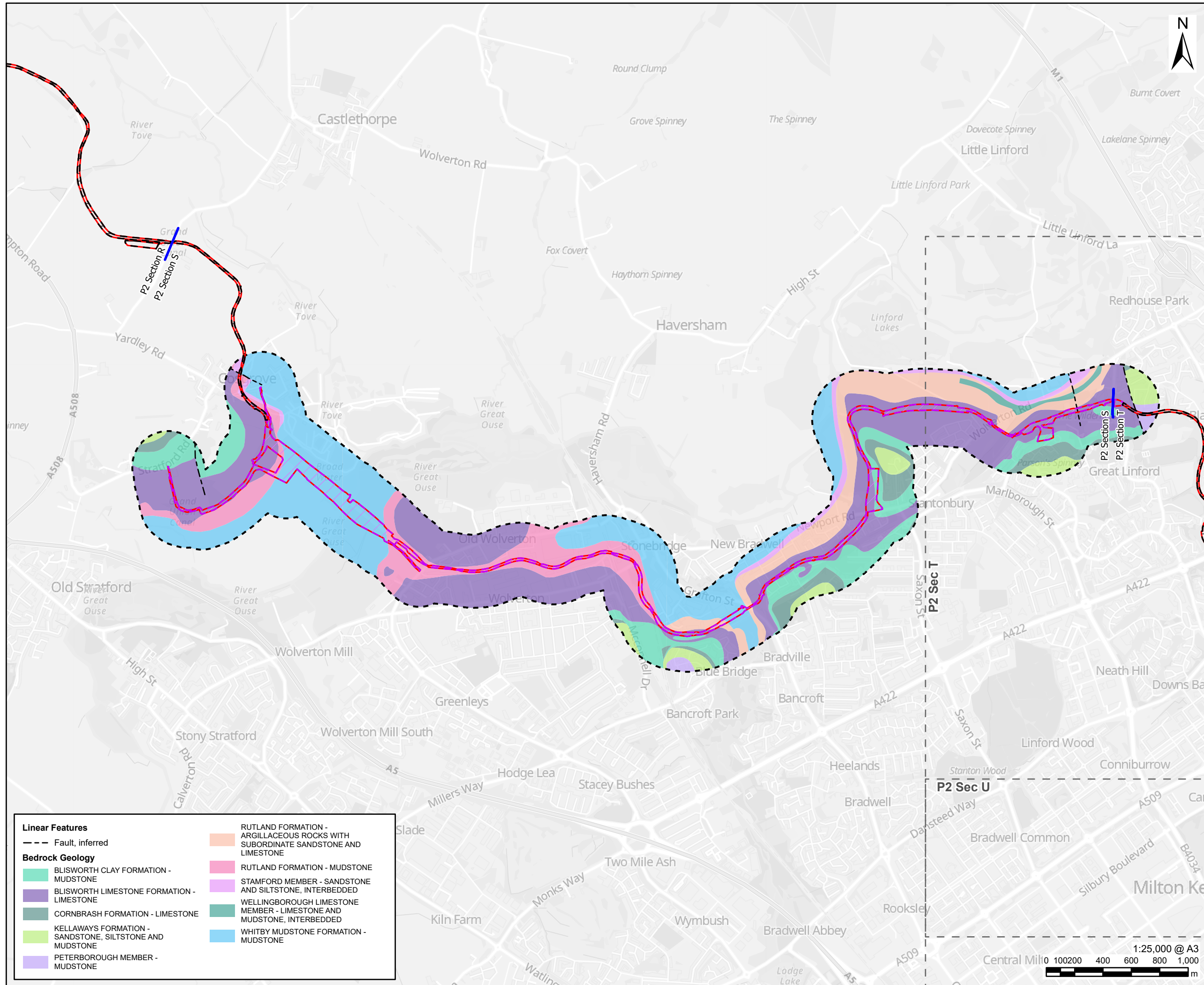
FIGURE NUMBER

Figure 14-PD-3

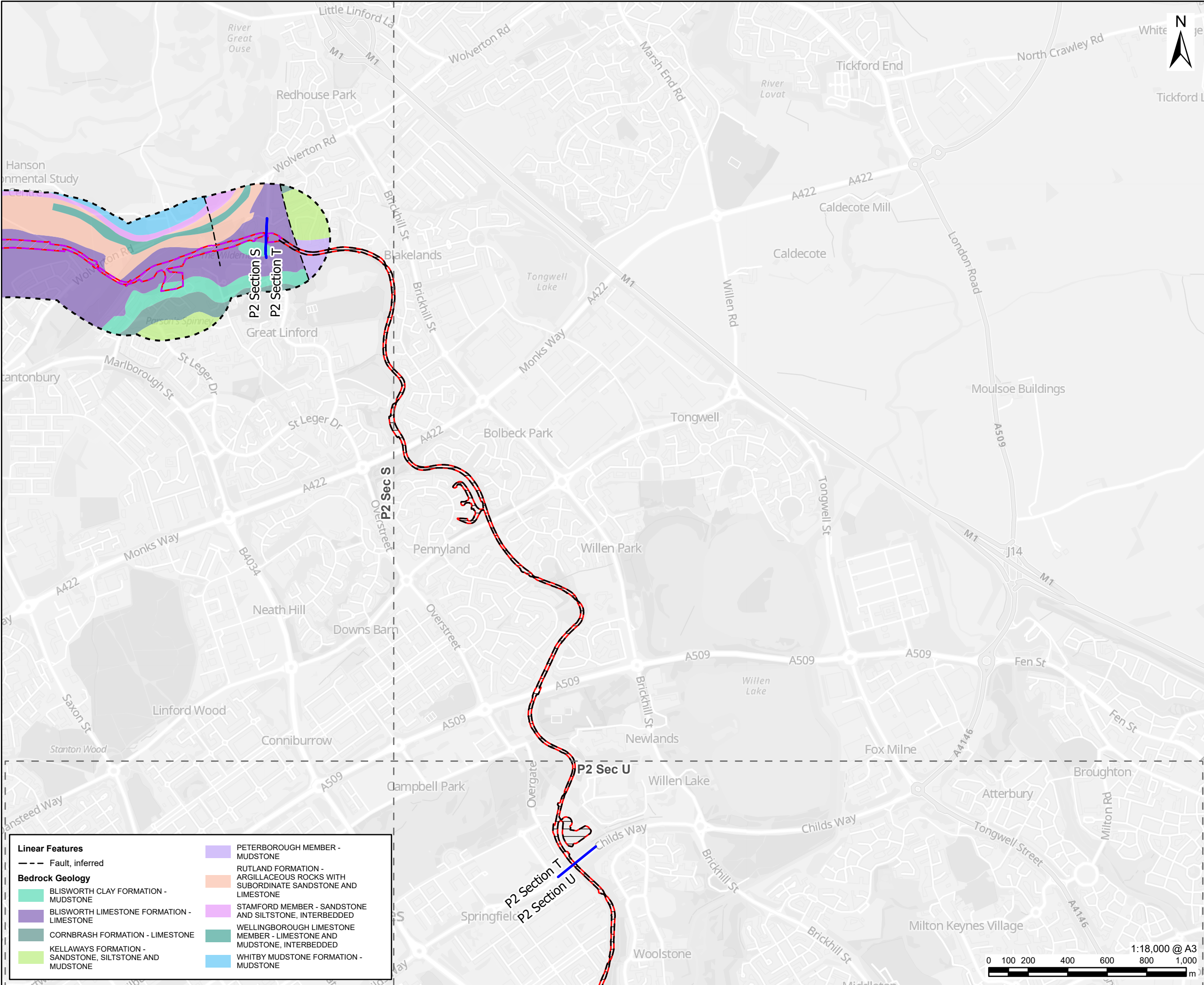
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1:18,000 @ A3

0 100 200 400 600 800 1,000 m



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LEGEND

 Part 2 - Indicative Work Area

 Part 2 - Indicative Non-Work Area

 250m Study Area for Geology, Land Contamination and Hydrogeology

 Preliminary Order Limits

 Sheet Extent

 Section Break

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FINAL

PROJECT NUMBER

60720432

FIGURE TITLE

Parts 1, 2, 3 & 4 Bedrock Geology and Morphological Features
Sheet P2 Sec T

FIGURE NUMBER

Figure 14-PD-3

Linear Features

 Fault, inferred

Bedrock Geology

 BLISWORTH CLAY FORMATION - MUDSTONE

 BLISWORTH LIMESTONE FORMATION - LIMESTONE

 CORNBRAsh FORMATION - LIMESTONE

 KELLAWAYS FORMATION - SANDSTONE, SILTSTONE AND MUDSTONE

PETERBOROUGH MEMBER - MUDSTONE

RUTLAND FORMATION - ARGILLACEOUS ROCKS WITH SUBORDINATE SANDSTONE AND LIMESTONE

STAMFORD MEMBER - SANDSTONE AND SILTSTONE, INTERBEDDED

WELLINGBOROUGH LIMESTONE MEMBER - LIMESTONE AND MUDSTONE, INTERBEDDED

WHITBY MUDSTONE FORMATION - MUDSTONE

1:18,000 @ A3

0

100

200

400

600

800

1,000

m



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-  Part 2 - Indicative Work Area
 Part 2 - Indicative Non-Work Area
 250m Study Area for Geology, Land Contamination and Hydrogeology
 Preliminary Order Limits
 Sheet Extent
 Section Break

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FIGURE TITLE

Parts 1, 2, 3 & 4 Bedrock Geology and
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Sheet P2 Sec U

FIGURE NUMBER

Figure 14-PD-3



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-  Part 2 - Indicative Work Area
-  Part 2 - Indicative Non-Work Area
-  Part 4a
-  Part 4b
-  250m Study Area for Geology, Land Contamination and Hydrogeology
-  Preliminary Order Limits
-  Sheet Extent
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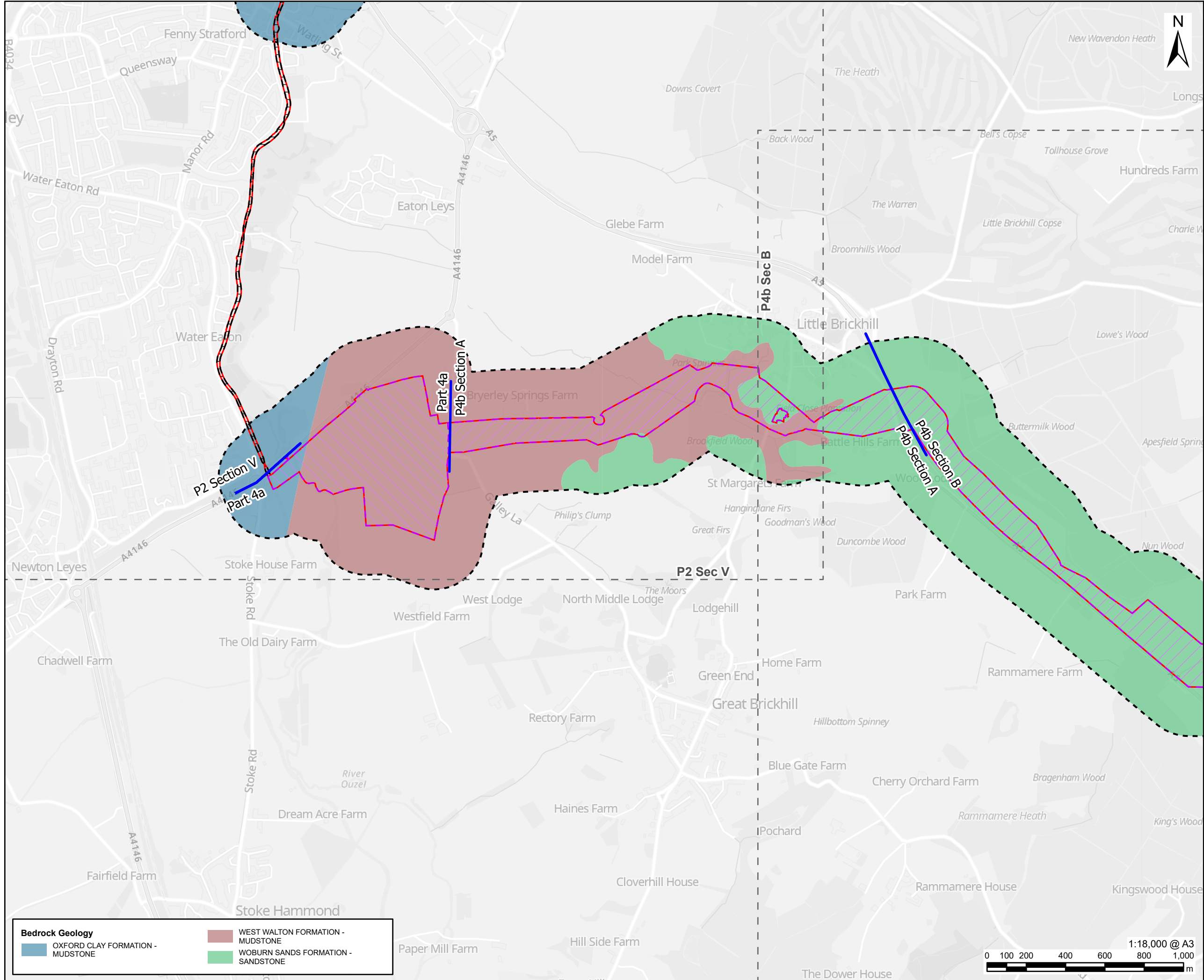
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FIGURE TITLE

Parts 1, 2, 3 & 4 Bedrock Geology and
Morphological Features
Sheet P2 Sec V

FIGURE NUMBER

Figure 14-PD-3



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	Part 2 - Indicative Non-Work Area
	Part 4a
	Part 4b
	250m Study Area for Geology, Land Contamination and Hydrogeology
	Preliminary Order Limits
	Sheet Extent
	Section Break

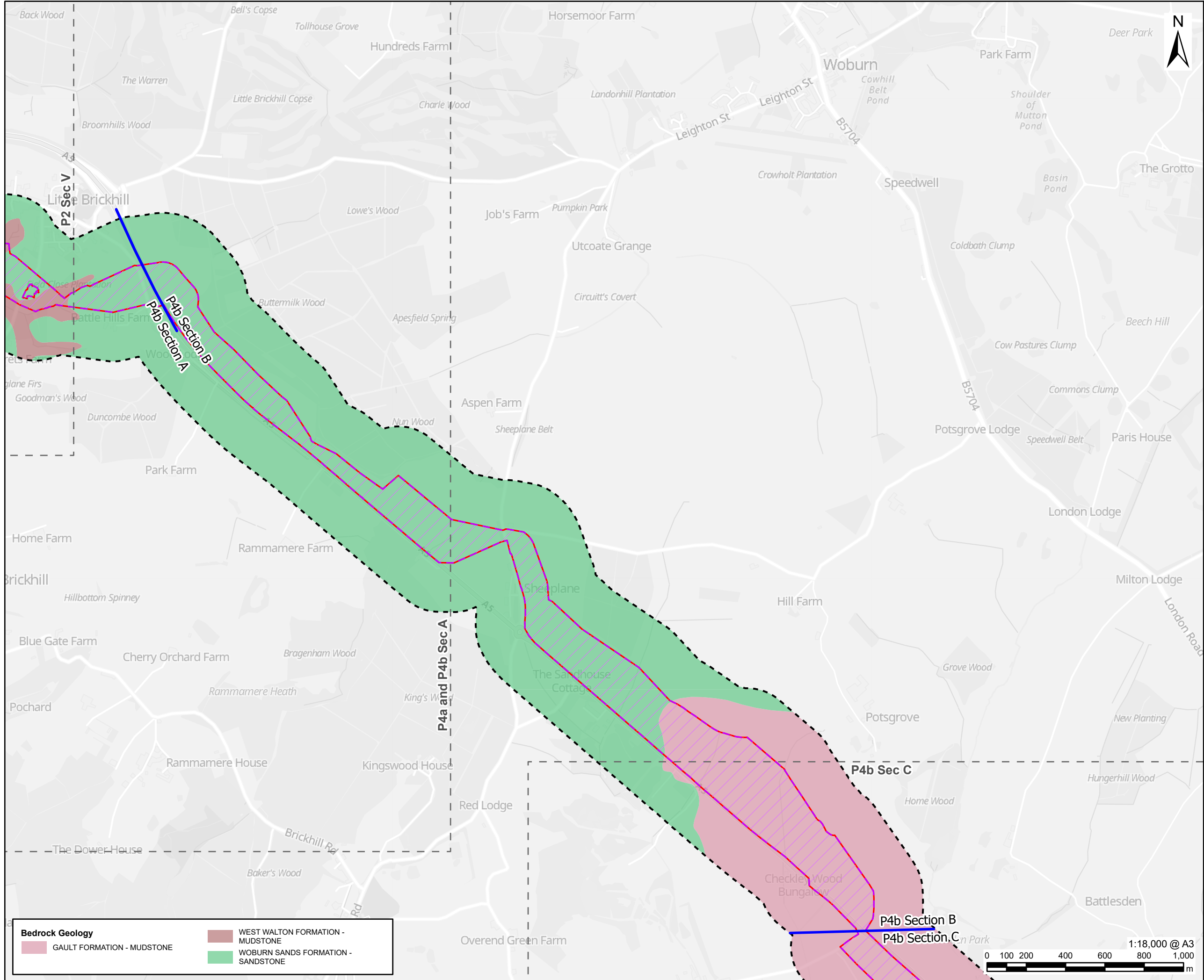
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ISSUE PURPOSE
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PROJECT NUMBER
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FIGURE TITLE
Parts 1, 2, 3 & 4 Bedrock Geology and Morphological Features Sheet P4a and P4b Sec A
FIGURE NUMBER
Figure 14-PD-3



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-  Part 4b
 250m Study Area for Geology, Land Contamination and Hydrogeology
 Preliminary Order Limits
 Sheet Extent
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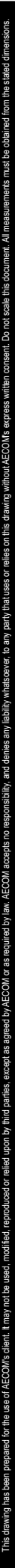
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FIGURE TITLE

Parts 1, 2, 3 & 4 Bedrock Geology and
Morphological Features
Sheet P4b Sec B

FIGURE NUMBER

Figure 14-PD-3



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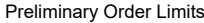
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250m Study Area for Geology, Land Contamination and Hydrogeology



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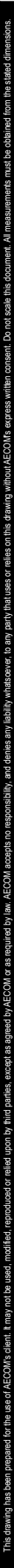
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FIGURE TITLE

Parts 1, 2, 3 & 4 Bedrock Geology and
Morphological Features
Sheet P4b Sec C

FIGURE NUMBER

Figure 14-PD-3



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PROJECT NUMBER
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FIGURE TITLE
Parts 1, 2, 3 & 4 Bedrock Geology and Morphological Features Sheet P4b Sec D
FIGURE NUMBER
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 Part 4b
 250m Study Area for Geology, Land
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 Preliminary Order Limits
 Sheet Extent
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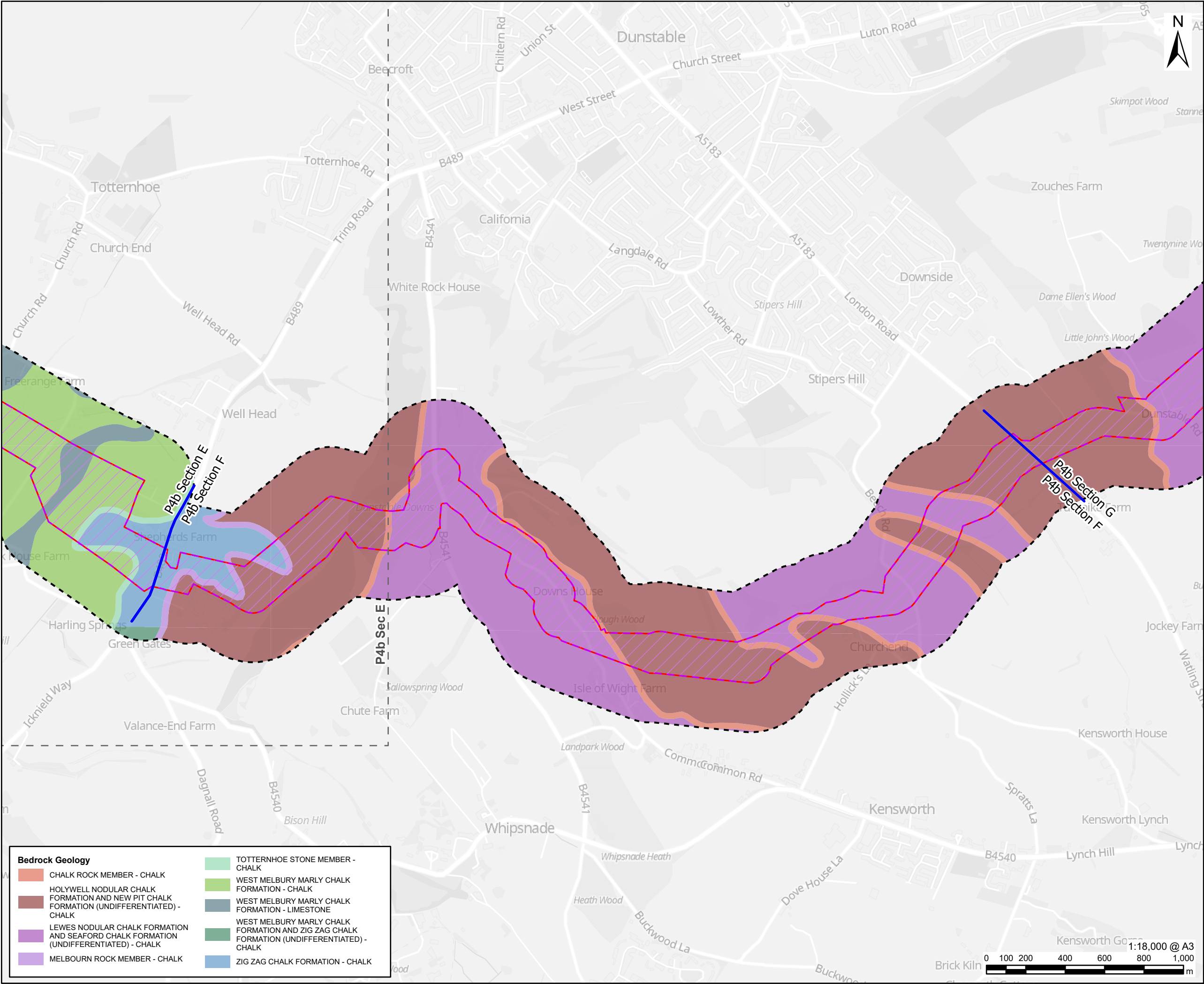
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FIGURE TITLE
Parts 1, 2, 3 & 4 Bedrock Geology and
Morphological Features
Sheet P4b Sec E

FIGURE NUMBER

Figure 14-PD-3



Bedrock Geology

CHALK ROCK MEMBER - CHALK

HOLYWELL NODULAR CHALK FORMATION AND NEW PIT CHALK FORMATION (UNDIFFERENTIATED) - CHALK

LEWES NODULAR CHALK FORMATION AND SEAFORD CHALK FORMATION (UNDIFFERENTIATED) - CHALK

MELBOURN ROCK MEMBER - CHALK

TOTTERNHOE STONE MEMBER - CHALK

WEST MELBURY MARLY CHALK FORMATION - CHALK

WEST MELBURY MARLY CHALK FORMATION - LIMESTONE

WEST MELBURY MARLY CHALK FORMATION AND ZIG ZAG CHALK FORMATION (UNDIFFERENTIATED) - CHALK

ZIG ZAG CHALK FORMATION - CHALK

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Part 4b

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FIGURE TITLE

Parts 1, 2, 3 & 4 Bedrock Geology and Morphological Features
Sheet P4b Sec F

FIGURE NUMBER

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 Part 4b
 250m Study Area for Geology, Land Contamination and Hydrogeology
 Preliminary Order Limits
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FIGURE TITLE

Parts 1, 2, 3 & 4 Bedrock Geology and
Morphological Features
Sheet P4b Sec G

FIGURE NUMBER

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