

February 2023

London Luton Airport Expansion

Planning Inspectorate Scheme Ref: TR020001

Volume 5 Environmental Statement and Related Documents
5.03 Chapter 4 The Proposed Development Figures 4.1 - 4.15

Application Document Ref: TR020001/APP/5.03
APFP Regulation: 5(2)(a)

The Planning Act 2008

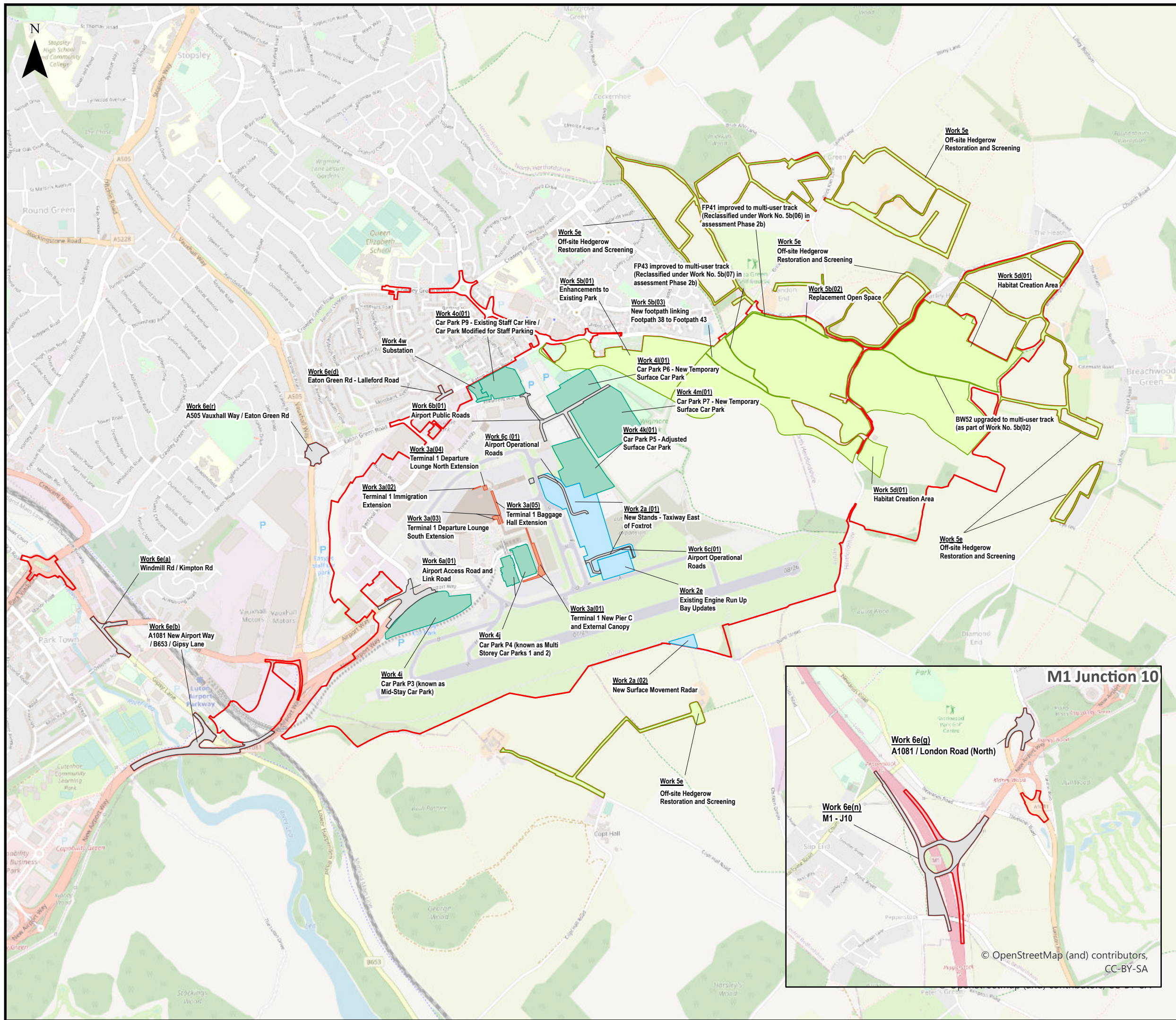
The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009

London Luton Airport Expansion Development Consent Order 202x

5.03 ENVIRONMENTAL STATEMENT CHAPTER 4 THE PROPOSED DEVELOPMENT FIGURES 4.1 – 4.15

Regulation number:	Regulation 5(2)(a)
Planning Inspectorate Scheme Reference:	TR020001
Document Reference:	TR020001/APP/5.03
Author:	Luton Rising

Version	Date	Status of Version
Issue 01	February 2023	Application issue



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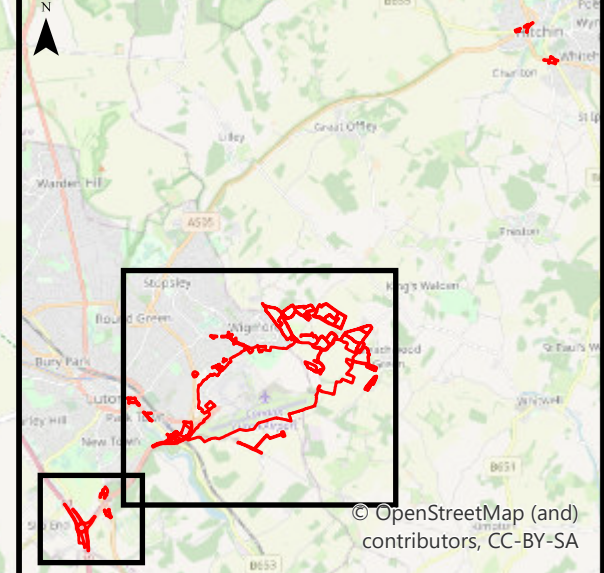
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Legend

- Order Limits
- Airfield Works
- Terminal and Associated Works
- Airport Support Facilities
- Landscape and Mitigation
- Highway

Note: All Work locations are illustrative only

First Issue	AB	HP	CS	14/02/23	P01
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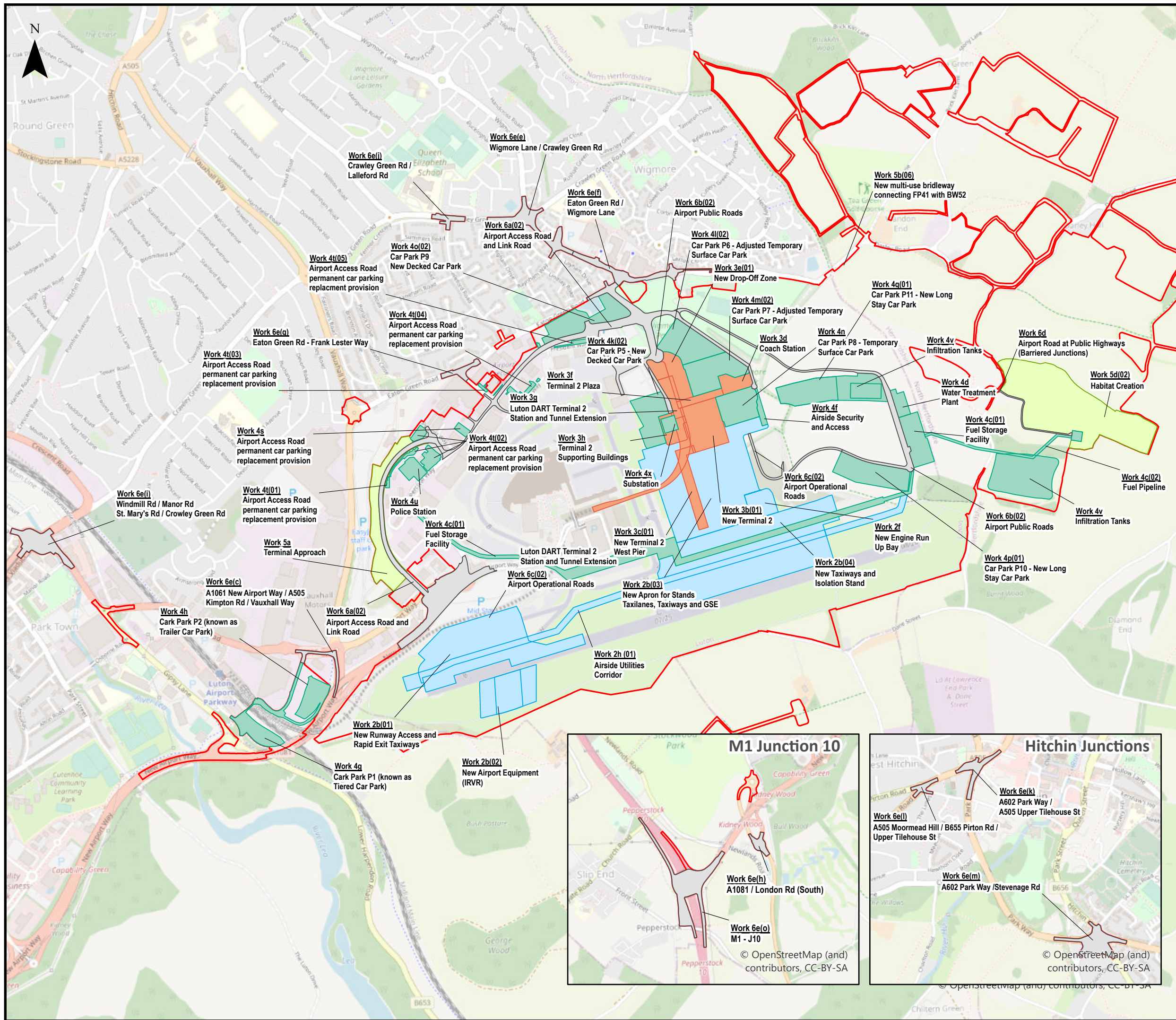
Drawing Title
**Figure 4.1 Illustrative Work Locations –
 Assessment Phase 1**

Purpose of issue SUITABLE FOR INFORMATION				Suitability S2	
Drawn AB	Checked HP	Approved CS	Date 14/02/23	Scale 1:17,500	Size A3

DCO Application Ref. TR020001	APFP Regulation APFP 5(2)(a)	DCO Document Ref. TR020001/APP/5.03
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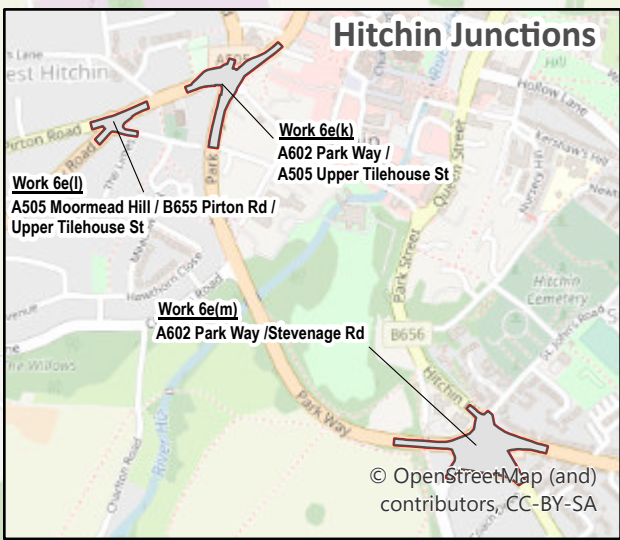
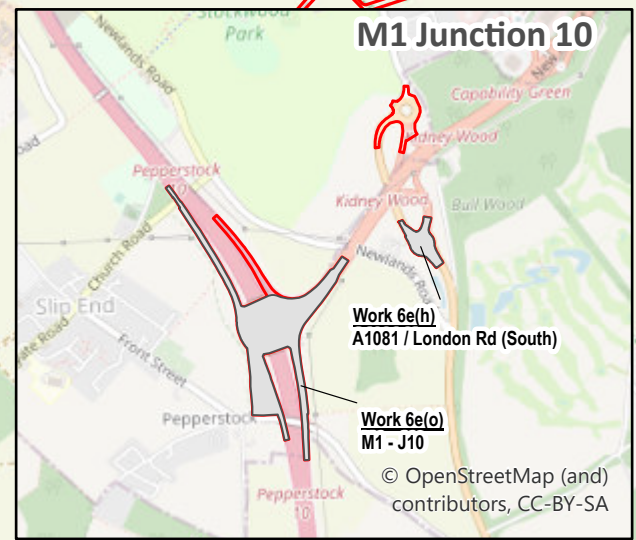
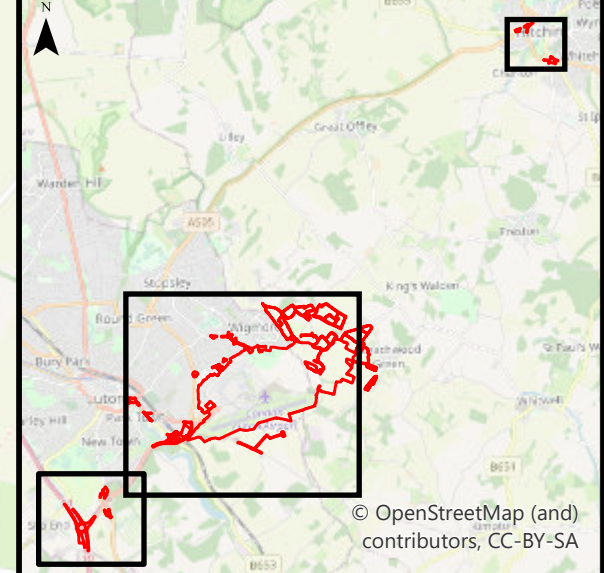
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Legend

- Order Limits
- Airfield Works
- Terminal and Associated Works
- Airport Support Facilities
- Landscape and Mitigation
- Highway

Note: All Work locations are illustrative only

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Revision History	Drawn	Checked	Approved	Date	Rev.

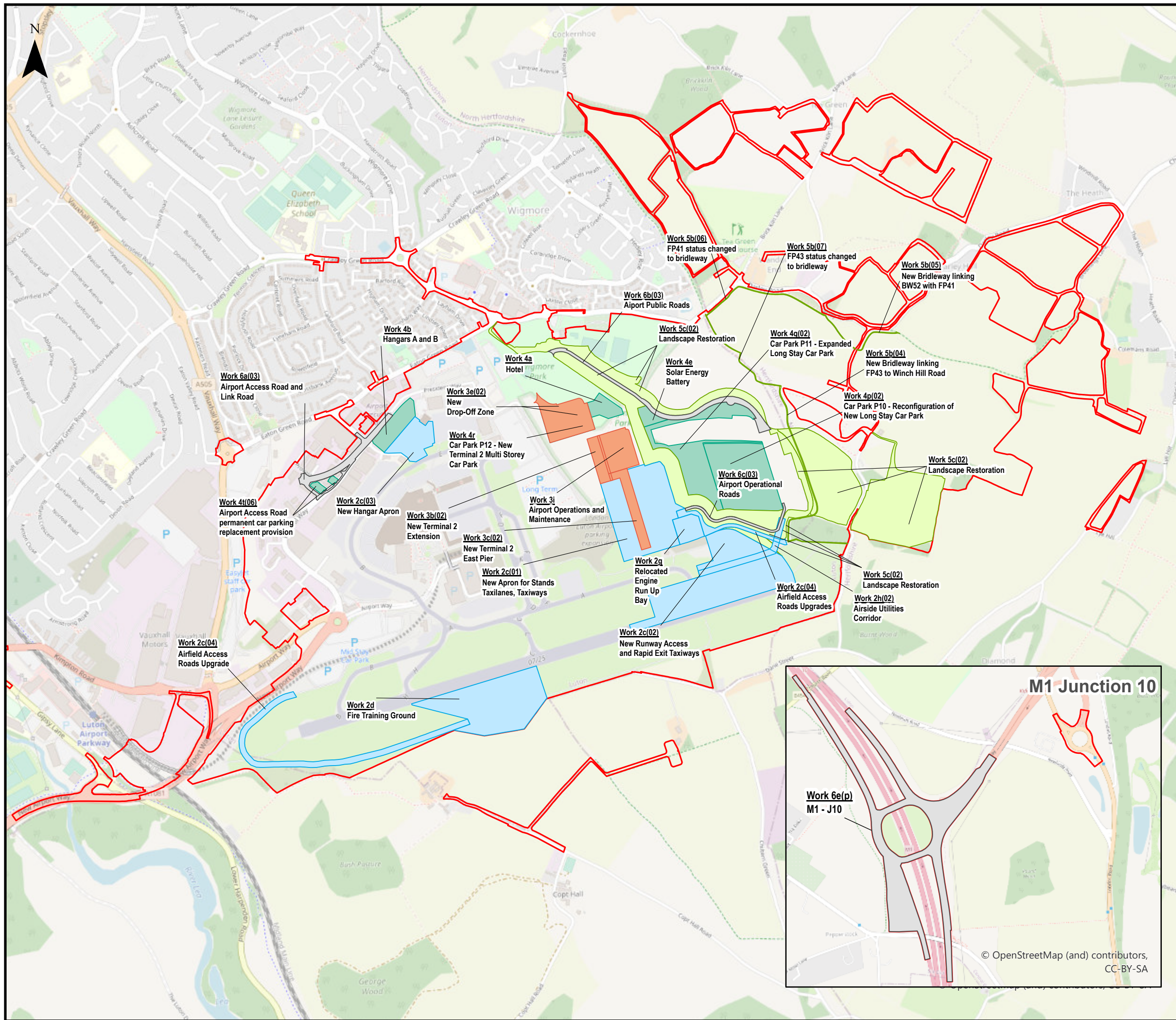


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Drawing Title
Figure 4.2 Illustrative Work Locations – Assessment Phase 2a

Purpose of issue		Suitability	
SUITABLE FOR INFORMATION		S2	
Drawn	Checked	Approved	Date
AB	HP	CS	14/02/23
Scale	Size		
1:15,000	A3		
DCO Application Ref.	APFP Regulation	DCO Document Ref.	
TR020001	APFP 5(2)(a)	TR020001/APP/5.03	
Drawing Number	Revision		
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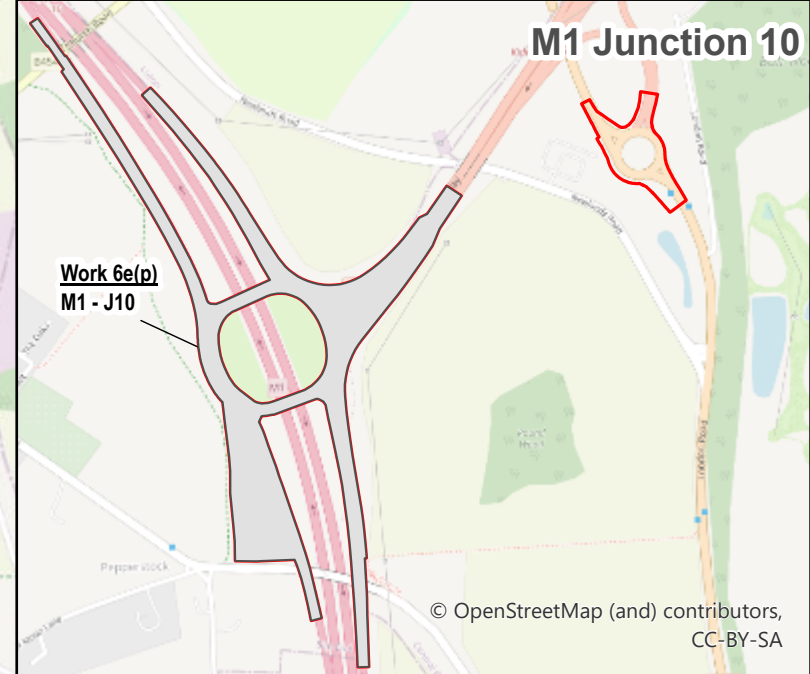
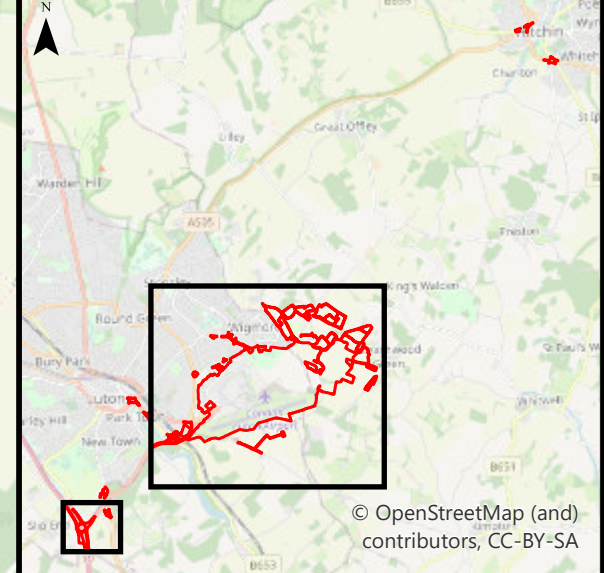
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Legend

- Order Limits
- Airfield Works
- Terminal and Associated Works
- Airport Support Facilities
- Landscape and Mitigation
- Highway

Note: All Work locations are illustrative only

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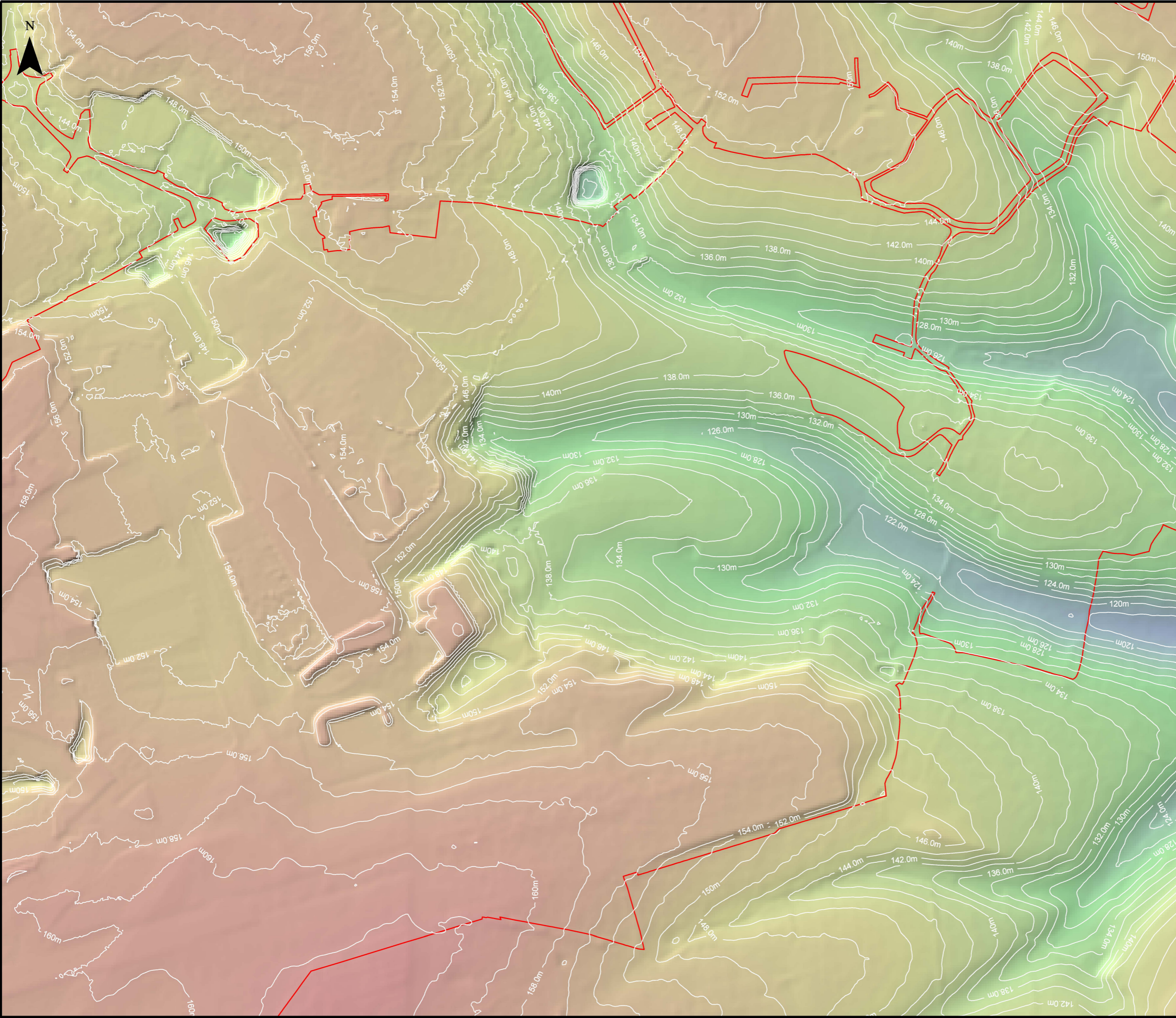
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Figure 4.3 Illustrative Work Locations – Assessment Phase 2b

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Legend

- Order Limits
- Existing Surface Levels

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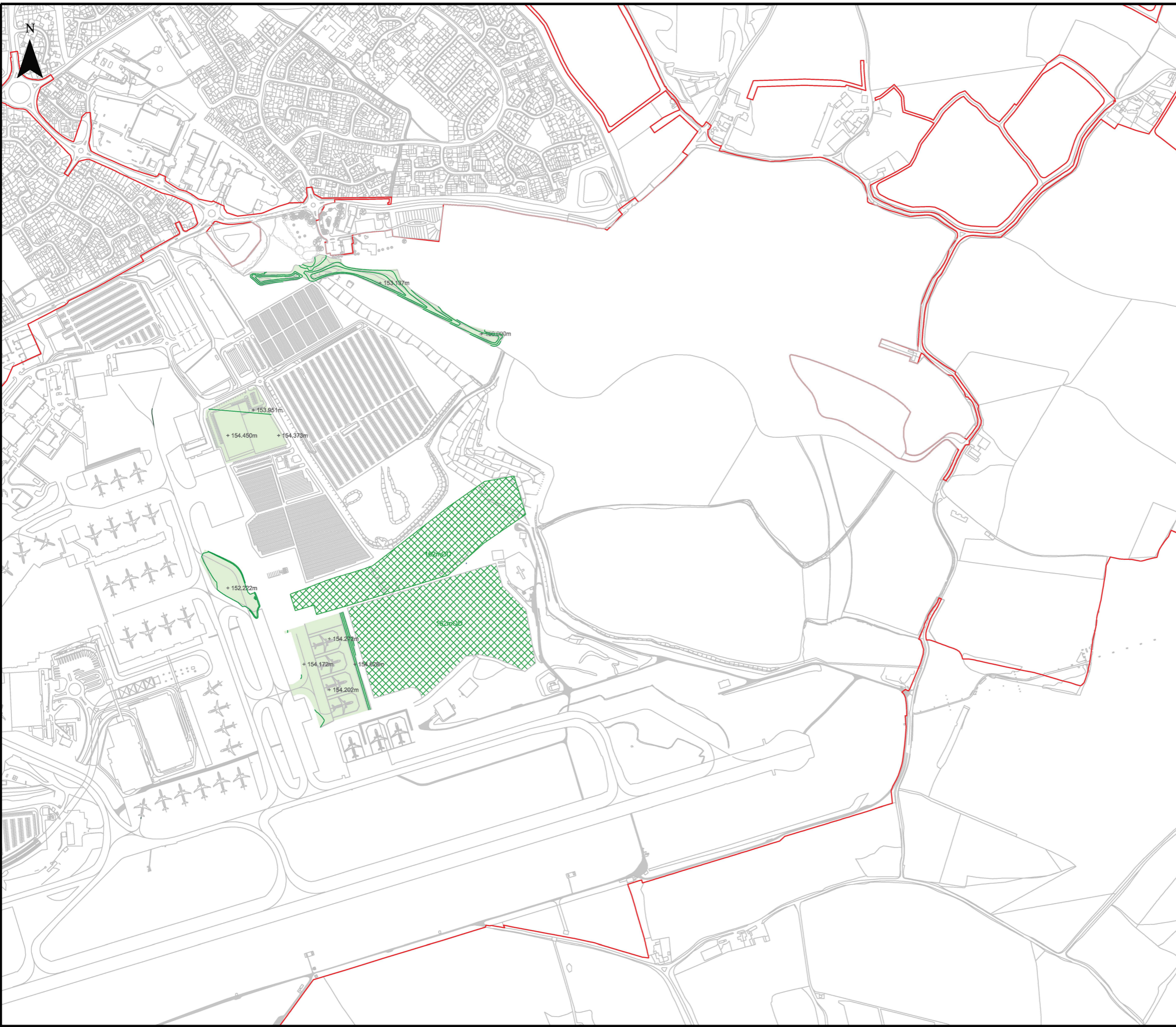
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Figure 4.4 Existing Landform

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SUITABLE FOR INFORMATION				S2	
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DCO Application Ref.	APFP Regulation	DCO Document Ref.
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LLADCO-3C-ARP-00-00-DR-YE-0400	P01
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Legend

- Order Limits
- Contours of Proposed Landform
- Stockpile Areas

First Issue	IJ	HLO	CS	05/12/22	P01
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Drawing Title
 Figure 4.5 Indicative Landform Assessment Phase 1

Purpose of Issue SUITABLE FOR INFORMATION				Suitability S2	
Drawn	Checked	Approved	Date	Scale	Size
IJ	HLO	CS	05/12/22	1:7500	A3

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Legend

- Order Limits
- Contours of Proposed Landform
- Stockpile Areas

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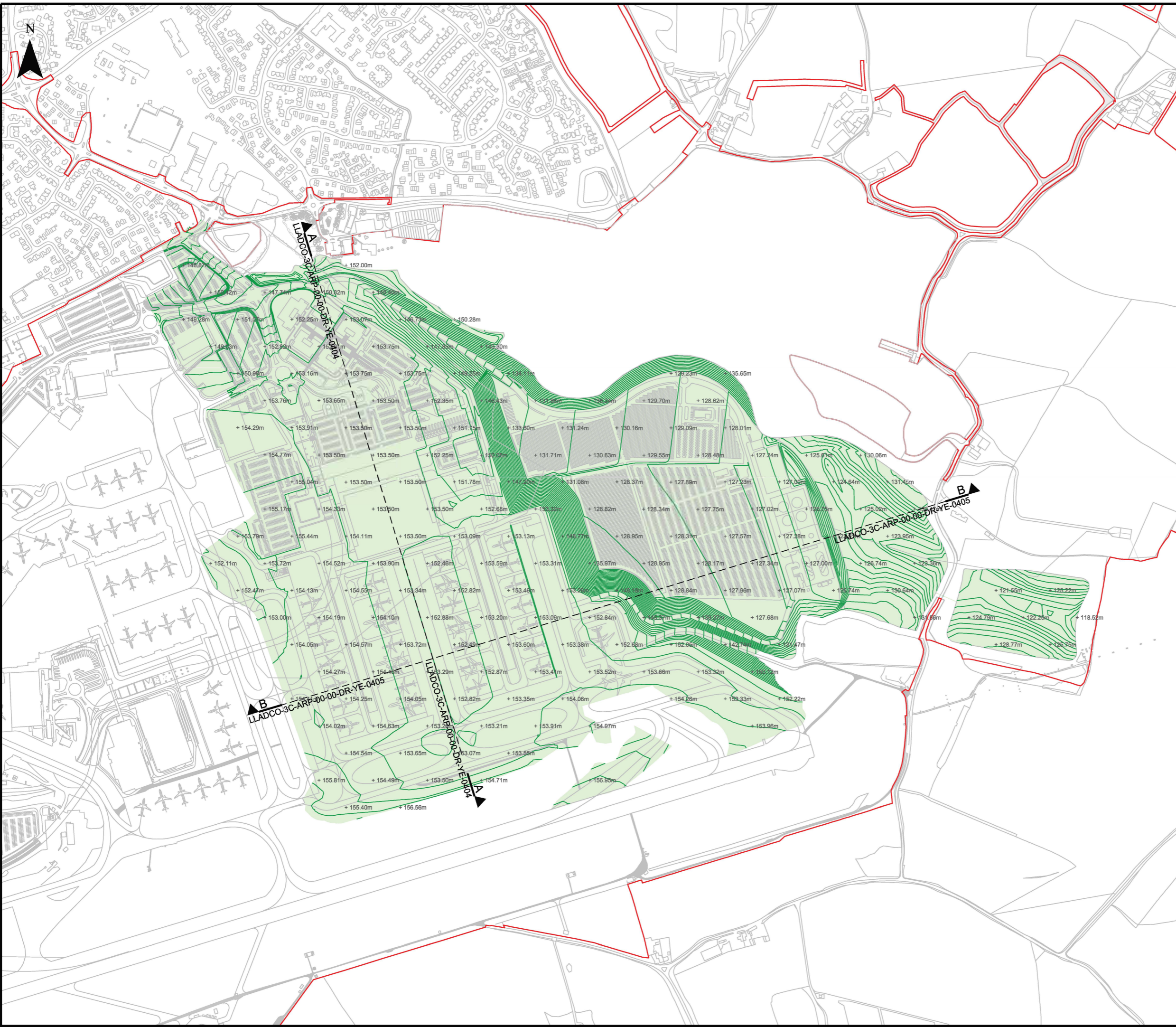
Drawing Title

**Figure 4.6 Indicative Landform
 Assessment Phase 2a**

Purpose of Issue				Suitability	
SUITABLE FOR INFORMATION				S2	
Drawn	Checked	Approved	Date	Scale	Size
IJ	HLO	CS	05/12/22	1:7500	A3

DCO Application Ref.	APFP Regulation	DCO Document Ref.
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Drawing Number	Revision
LLADCO-3C-ARP-00-00-DR-YE-0402	P01
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- Legend**
- Order Limits
 - Contours of Proposed Landform

Note

See Drawings
 LLADCO-3C-ARP-00-00-DR-YE-0404 &
 LLADCO-3C-ARP-00-00-DR-YE-0405 for
 Sections

First Issue	IJ	HLO	CS	05/12/22	P01
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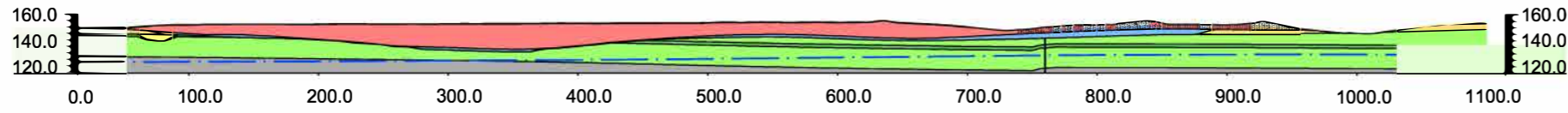
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**Figure 4.7 Indicative Landform
 Assessment Phase 2b**

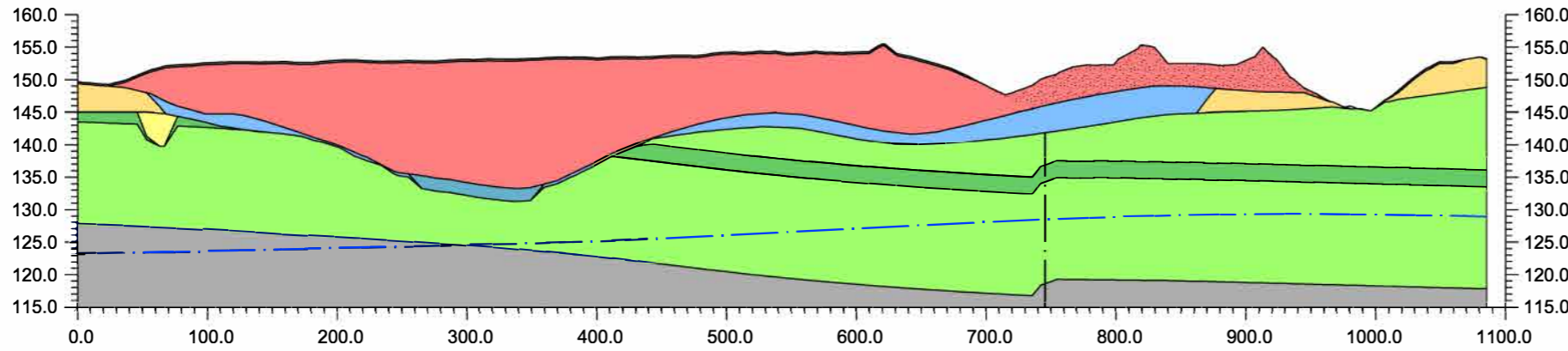
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SUITABLE FOR INFORMATION				S2	
Drawn	Checked	Approved	Date	Scale	Size
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DCO Application Ref.	APFP Regulation	DCO Document Ref.
TR020001	APFP 5(2)(a)	TR020001/APP/5.03

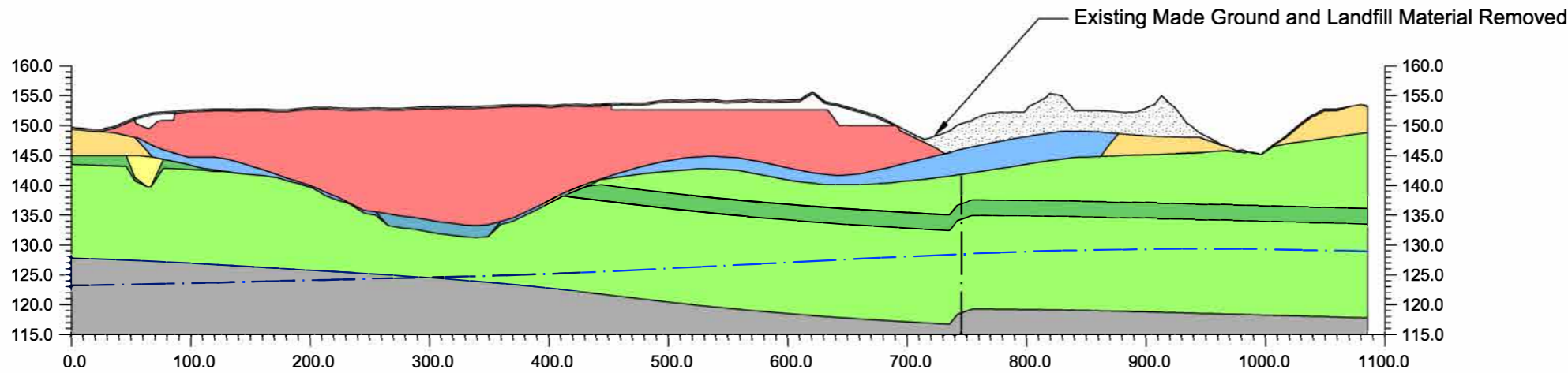
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LLADCO-3C-ARP-00-00-DR-YE-0403	P01
Project - Phase - Originator - Asset/Zone - Sub Asset - Type- Discp. - Number	



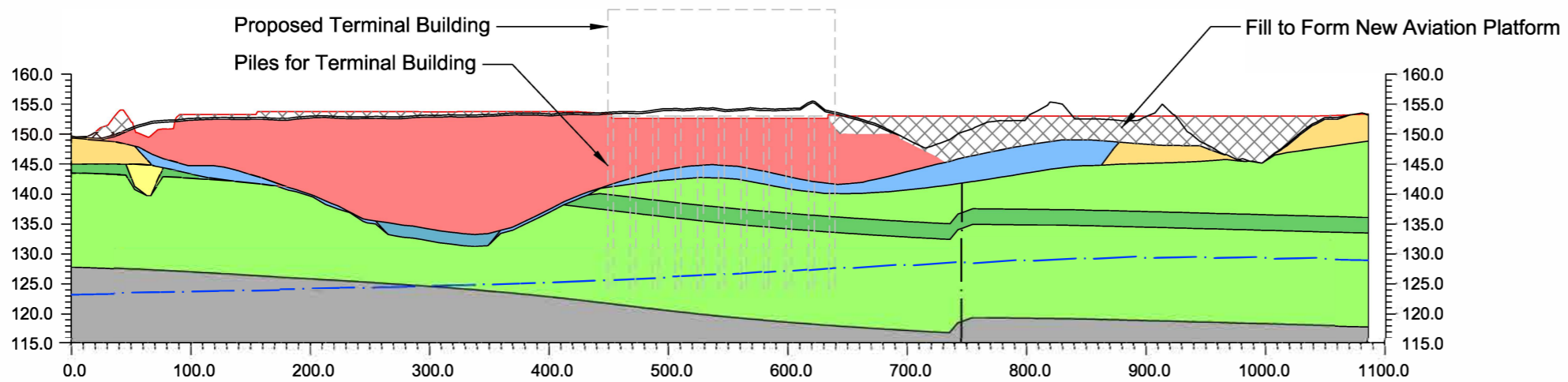
Existing Conditions - Natural Scale
Scale H=1:5000 V=1:5000



Existing Conditions - Exaggerated Scale
Scale H=1:5000 V=1:1000



Excavate to Achieve Formation Level
Scale H=1:5000 V=1:1000



Proposed Landform
Scale H=1:5000 V=1:1000

Legend

- Landfill
- Made Ground
- Dry Valley Deposits
- Head
- Clay with Flints
- Solution Feature
- Lewes Nodular Chalk
- Chalk Rock Member
- New Pit Chalk
- Proposed Platform
- Interpreted Fault
- 'Worst Case' Groundwater Level for design
- Proposed Finished Surface

Note

See Drawing LLADCO-3C-ARP-00-00-DR-YE-0403 for line of section

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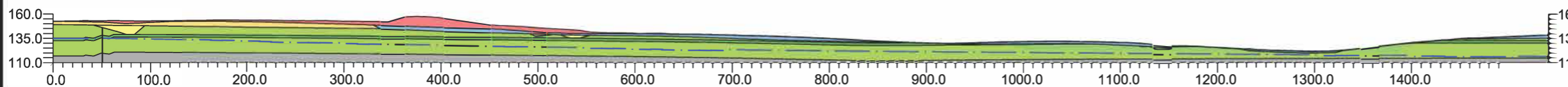
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Drawing Title
Figure 4.8 Illustrative Cross Section A-A

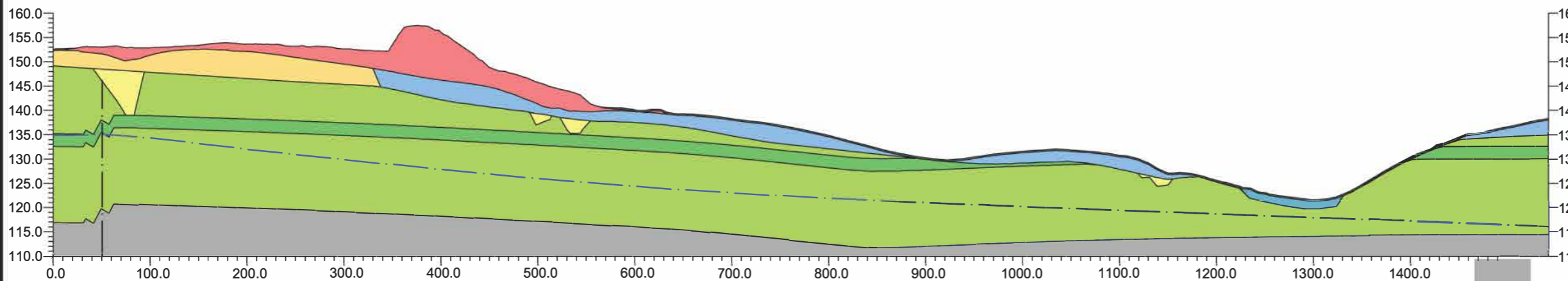
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Drawn	Checked	Approved	Date	Scale	Size
IJ	HLO	CS	05/12/22	1:7500	A3

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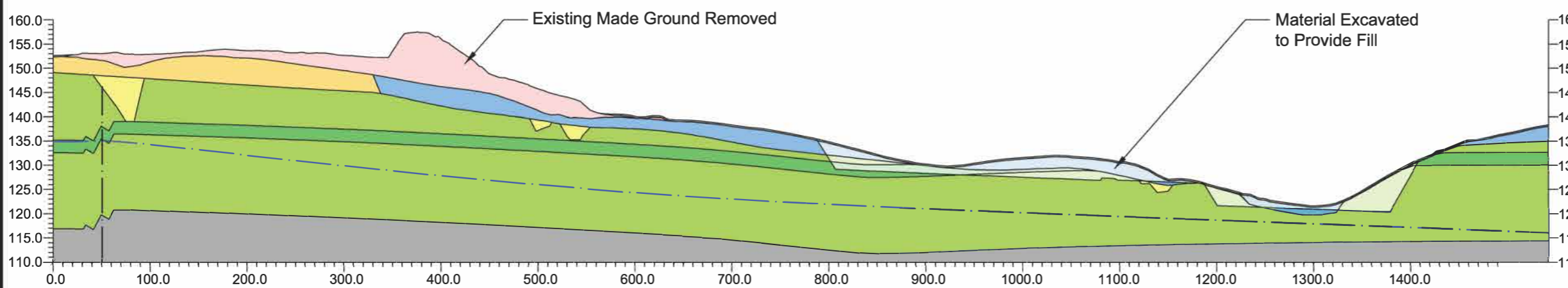
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Project - Phase - Originator - Asset/Zone - Sub Asset - Type- Discp. - Number	



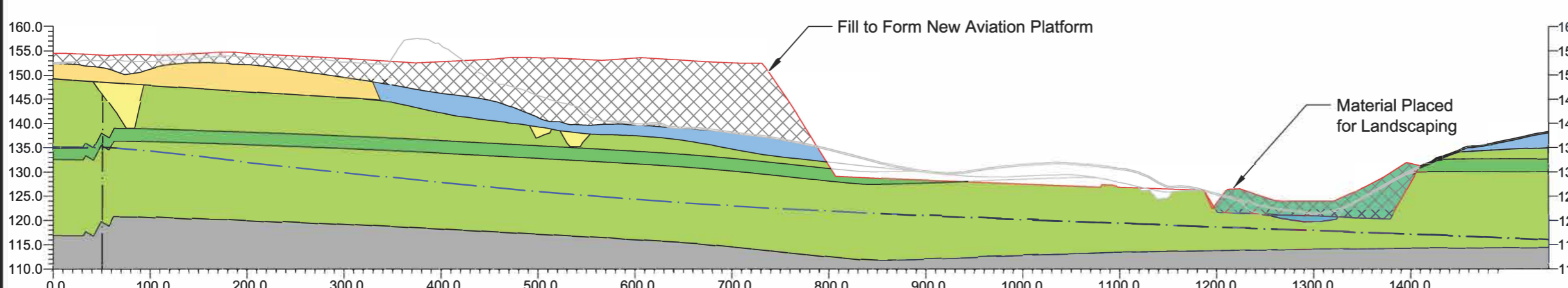
Existing Conditions - Natural Scale
Scale H=1:5000 V=1:5000



Existing Conditions
Scale H=1:5000 V=1:1000



Excavate to Achieve Formation Level
Scale H=1:5000 V=1:1000



Proposed Landform
Scale H=1:5000 V=1:1000

Legend

- Landfill
- Made Ground
- Dry Valley Deposits
- Head
- Clay with Flints
- Solution Feature
- Lewes Nodular Chalk
- Chalk Rock Member
- New Pit Chalk
- Proposed Platform
- Interpreted Fault
- - - 'Worst Case' Groundwater Level for design
- Proposed Finished Surface

Note

See Drawing LLADCO-3C-ARP-00-00-DR-YE-0403 for line of section

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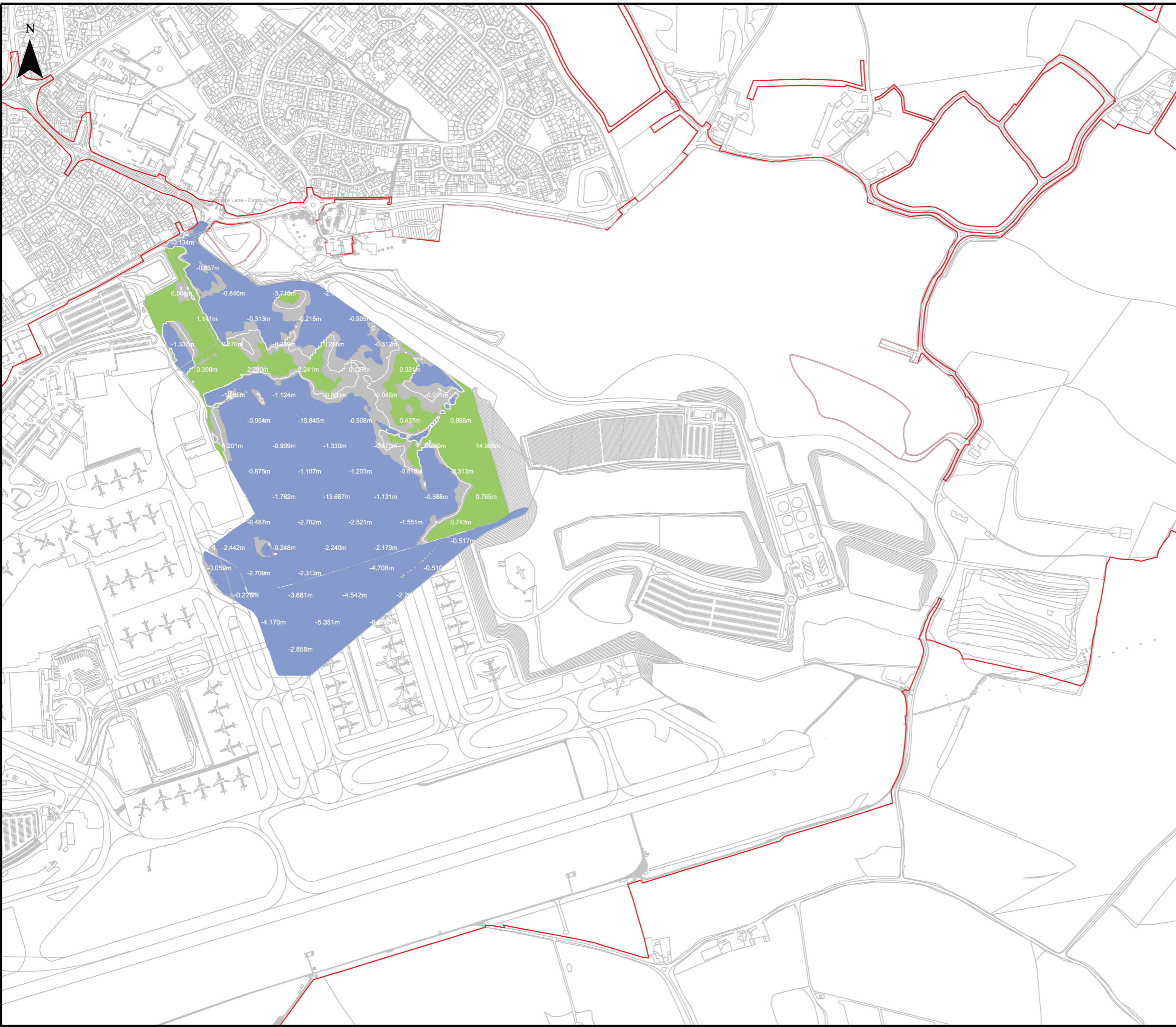
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Drawing Title
Figure 4.9 Illustrative Cross Section B-B

Purpose of Issue SUITABLE FOR INFORMATION				Suitability S2	
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Legend

- Order Limits
- Area of Deposition (Fill)
- Area of Excavation (Cut)

3.564m Thickness Spot Levels

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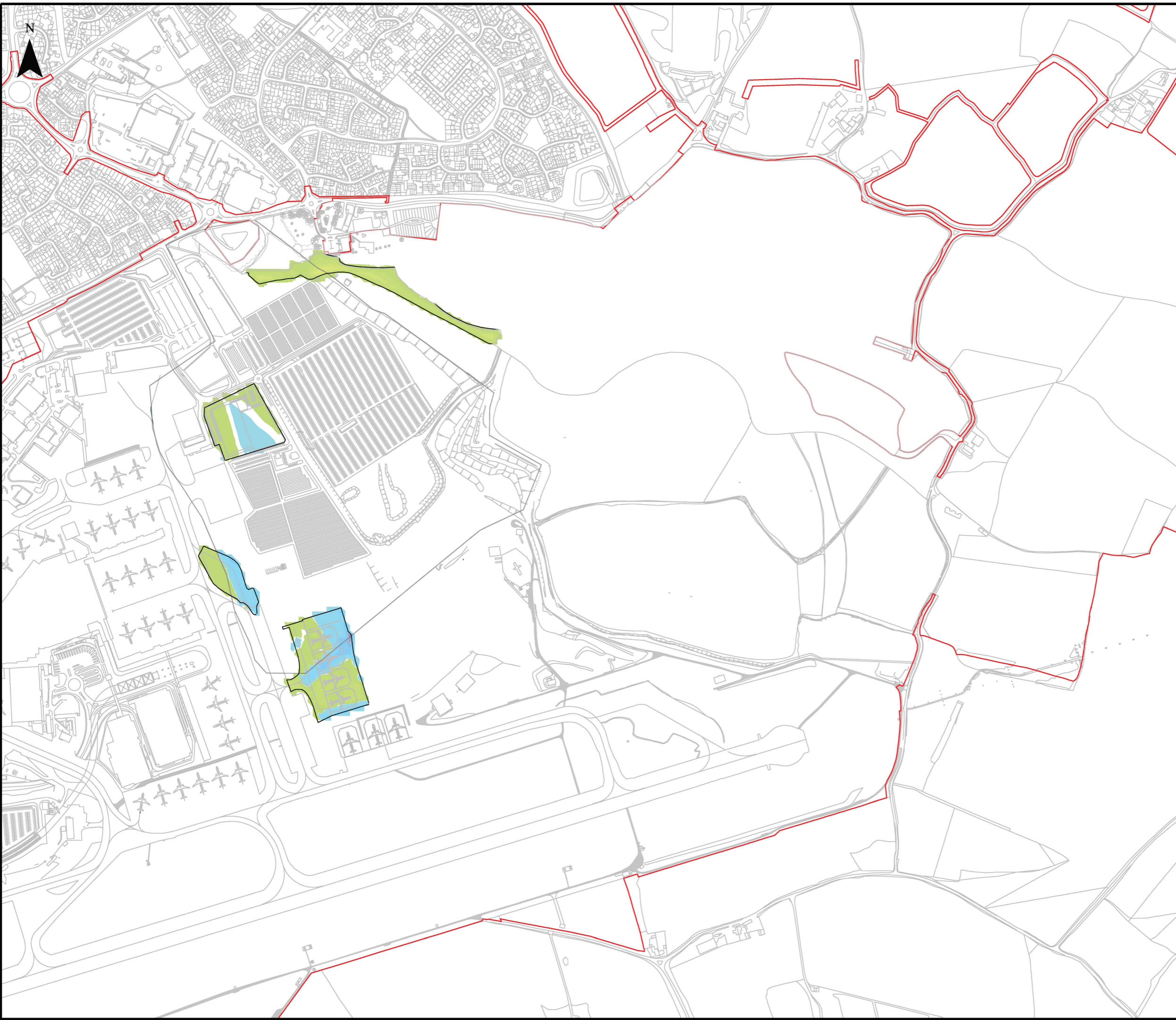
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Drawing Title
 Figure 4.10 Illustrative Excavation and Deposition of Landfill

Purpose of Issue SUITABLE FOR INFORMATION				Suitability S2	
Drawn	Checked	Approved	Date	Scale	Size
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DCO Application Ref. TR020001	APFP Regulation APFP 5(2)(a)	DCO Document Ref. TR020001/APP/5.03
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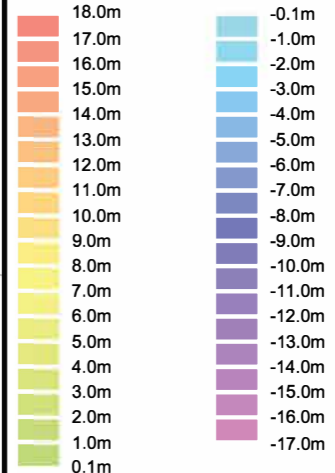
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Legend

Order Limits

Difference between Existing Surface and Assessment Phase 1

Area of Filling Areas of Cutting



Note, excludes stockpiles

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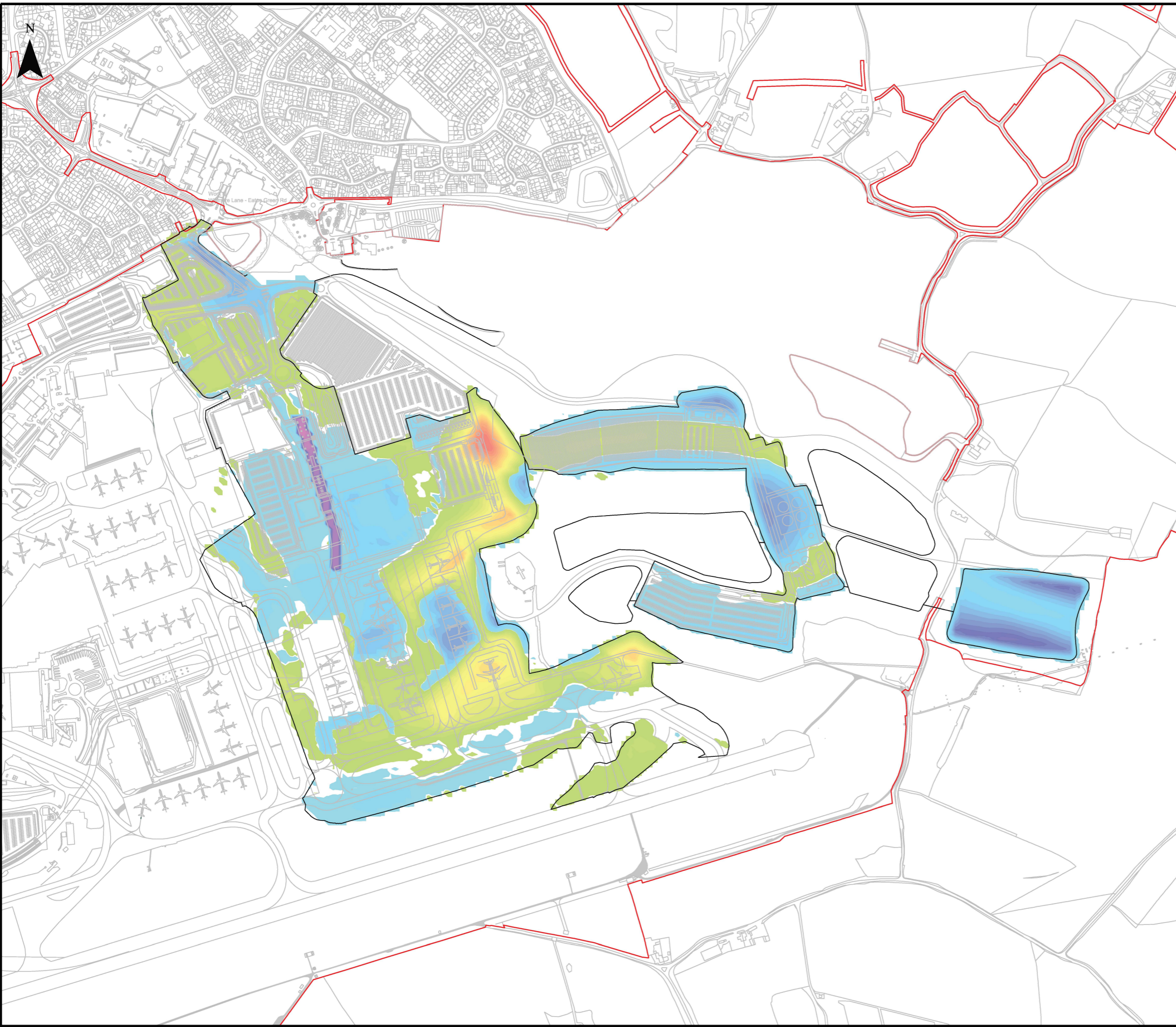
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Drawing Title
**Figure 4.11 Illustrative Level Change
Assessment Phase 1**

Purpose of Issue SUITABLE FOR INFORMATION				Suitability S2	
Drawn	Checked	Approved	Date	Scale	Size
IJ	HLO	CS	05/12/22	1:7500	A3

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Legend

Order Limits

Difference between Assessment Phase 1 and Assessment Phase 2a Cut Surface

Area of Filling	Areas of Cutting
18.0m	-0.1m
17.0m	-1.0m
16.0m	-2.0m
15.0m	-3.0m
14.0m	-4.0m
13.0m	-5.0m
12.0m	-6.0m
11.0m	-7.0m
10.0m	-8.0m
9.0m	-9.0m
8.0m	-10.0m
7.0m	-11.0m
6.0m	-12.0m
5.0m	-13.0m
4.0m	-14.0m
3.0m	-15.0m
2.0m	-16.0m
1.0m	-17.0m
0.1m	

Note, Excludes Stockpiles

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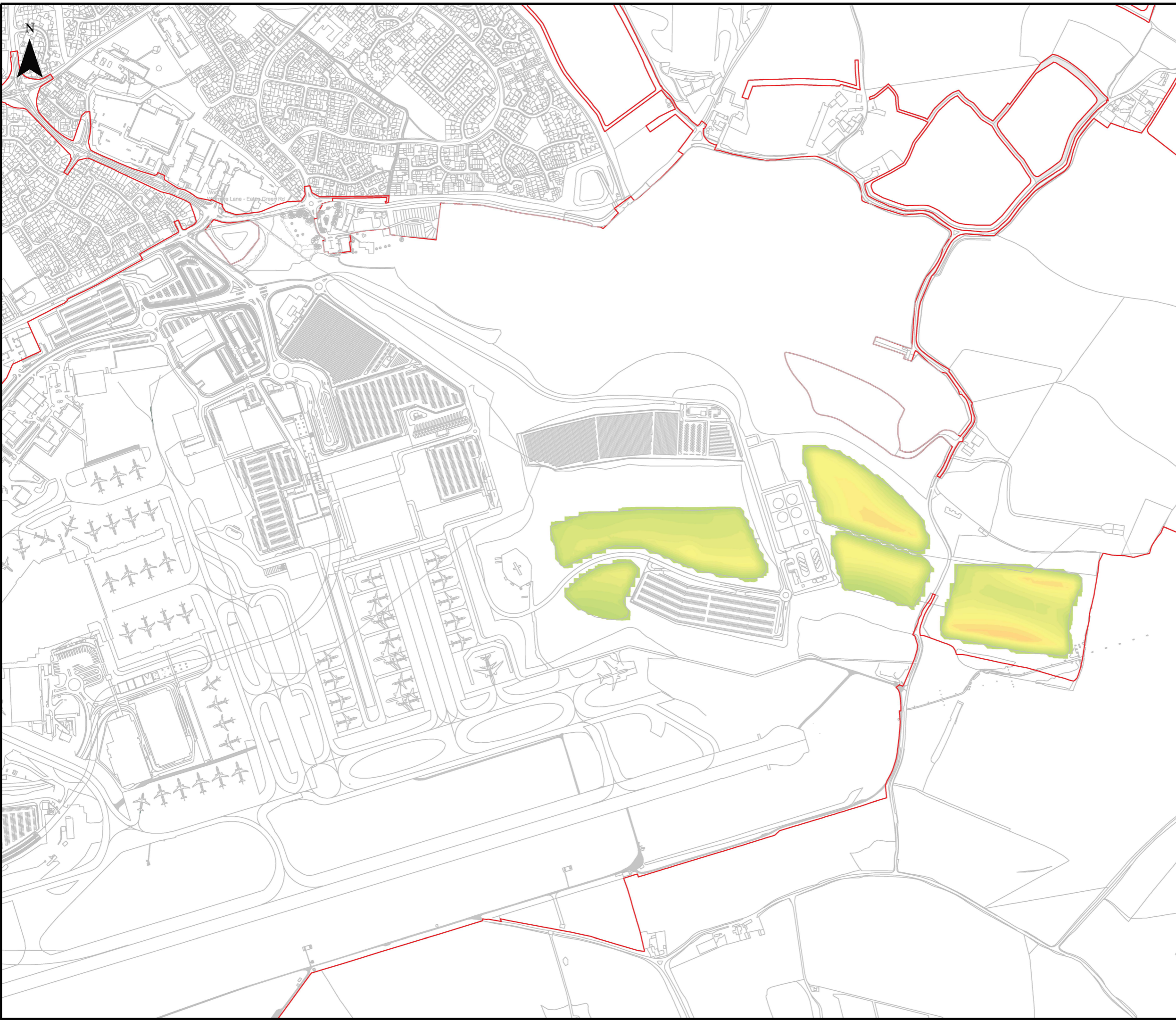
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Drawing Title
**Figure 4.12 Illustrative Level Change
 Assessment Phase 1 to Assessment Phase 2a**

Purpose of Issue SUITABLE FOR INFORMATION				Suitability S2	
Drawn	Checked	Approved	Date	Scale	Size
IJ	HLO	CS	05/12/22	1:7500	A3

DCO Application Ref. TR020001	APFP Regulation APFP 5(2)(a)	DCO Document Ref. TR020001/APP/5.03
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Drawing Number LLADCO-3C-ARP-00-00-DR-YE-0408	Revision P01
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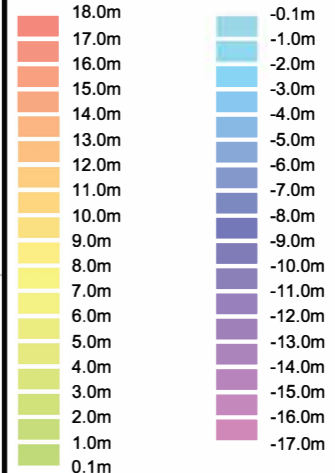
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Legend

Order Limits

Difference between Assessment Phase 2a Cut and Assessment Phase 2a Fill Surface

Area of Filling Areas of Cutting



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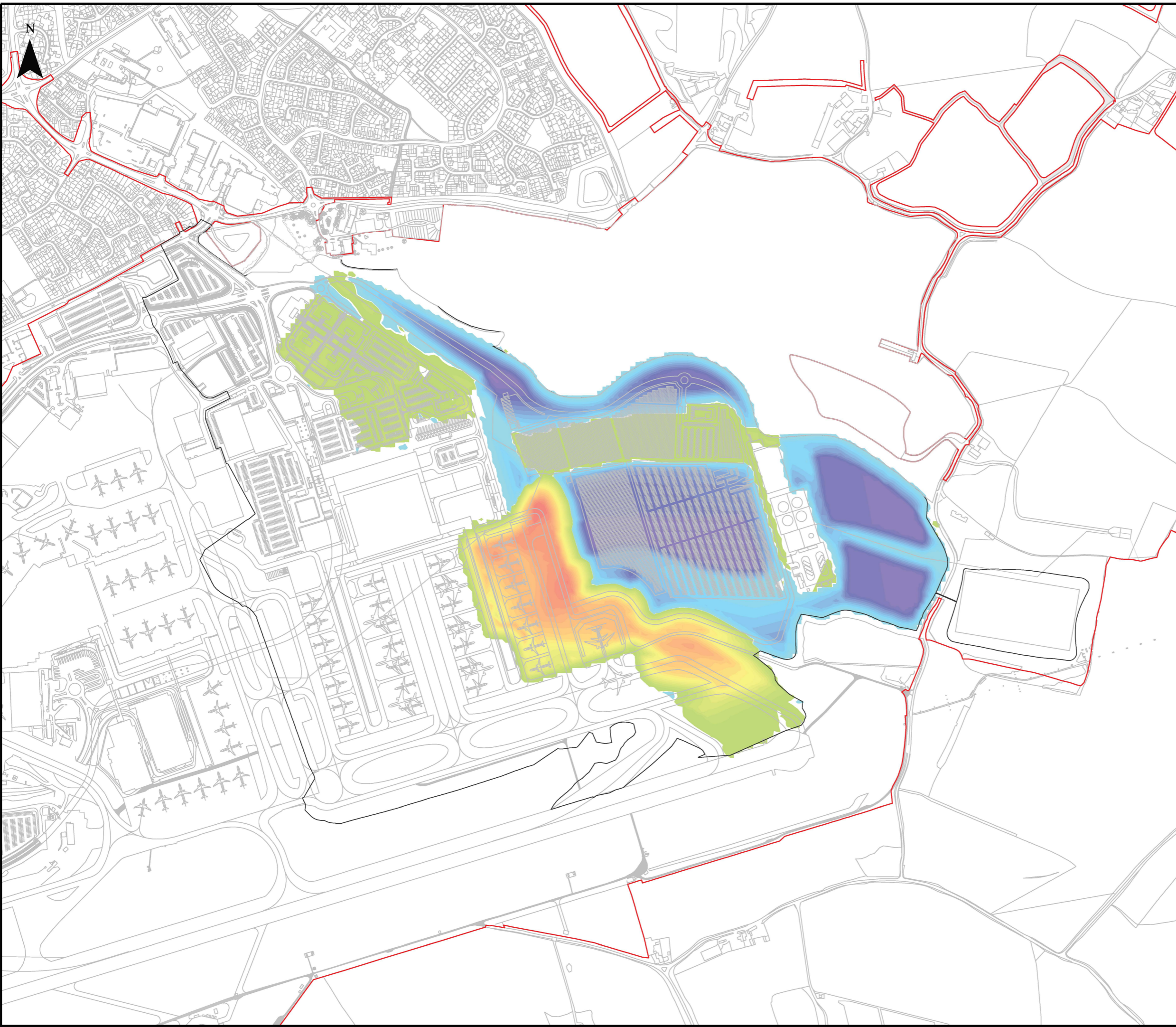
Drawing Title
**Figure 4.13 Illustrative Level Change Placement
 of Stockpiles and Landscaping
 Assessment Phase 2a**

Purpose of Issue SUITABLE FOR INFORMATION				Suitability S2	
Drawn	Checked	Approved	Date	Scale	Size
IJ	HLO	CS	05/12/22	1:7500	A3

DCO Application Ref. TR020001	APFP Regulation APFP 5(2)(a)	DCO Document Ref. TR020001/APP/5.03
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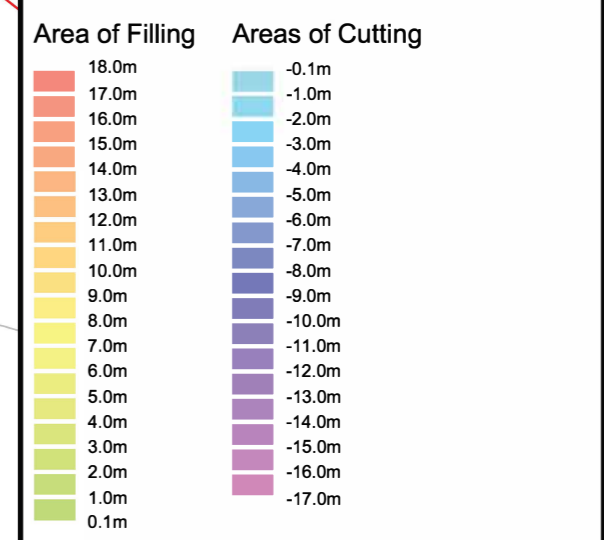
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Project - Phase - Originator - Asset/Zone - Sub Asset - Type- Discp. - Number



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 All structure positions are indicative. The proposed works will be subject to detailed design development. The changes will be within limits of deviation specified in the Development Consent Order.

Legend
 Order Limits
 Difference between Assessment Phase 2a Fill and Assessment Phase 2b Cut Surface



First Issue	IJ	HLO	CS	05/12/22	P01
Revision History	Drawn	Checked	Approved	Date	Rev.

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Drawing Title
**Figure 4.14 Illustrative Level Change
 Assessment Phase 2a to 2b**

Purpose of Issue SUITABLE FOR INFORMATION				Suitability S2	
Drawn	Checked	Approved	Date	Scale	Size
IJ	HLO	CS	05/12/22	1:7500	A3

DCO Application Ref. TR020001	APFP Regulation APFP 5(2)(a)	DCO Document Ref. TR020001/APP/5.03
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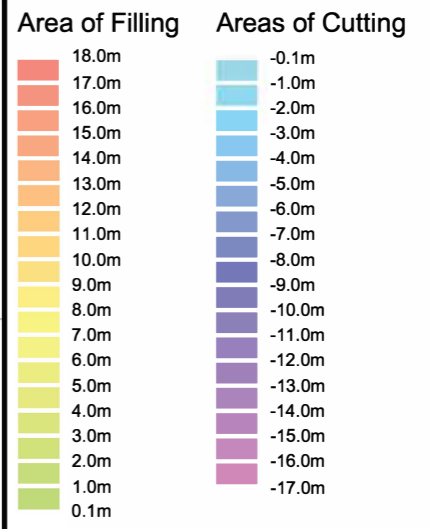
Drawing Number LLADCO-3C-ARP-00-00-DR-YE-0410	Revision P01
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Legend

Order Limits
 Difference between Assessment Phase 2b Cut and Assessment Phase 2b Fill Surface



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Drawing Title
**Figure 4.15 Illustrative Level Change
 Placement of Landscaping
 Assessment Phase 2b**

Purpose of Issue				Suitability	
SUITABLE FOR INFORMATION				S2	
Drawn	Checked	Approved	Date	Scale	Size
IJ	HLO	CS	05/12/22	1:7500	A3

DCO Application Ref.	APFP Regulation	DCO Document Ref.
TR020001	APFP 5(2)(a)	TR020001/APP/5.03

Drawing Number	Revision
LLADCO-3C-ARP-00-00-DR-YE-0411	P01
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