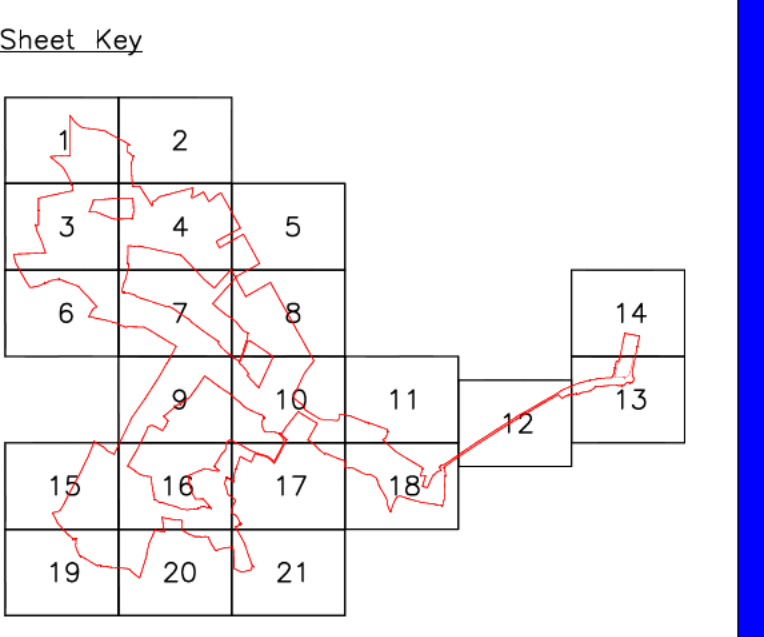


For Planning
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- KEY**
- Site Boundary (Indicative Only)
 - Ordinary Watercourse
 - Ordinary Watercourse (DB Maintained)
 - 7m Watercourse Buffer
 - Overland Flow Route (Indicative Only)

- NOTES**
- Drawing based on Topographical Survey, produced by Above Surveying Ltd., drawing number DRAX LINEWORK ("CAD") (Dated 6th May 2022).
 - Approximate Top of Bank based on LIDAR data at 0.1m intervals. 7m buffers based on the approximate top of bank data. Top of Bank will need to be accurately verified.
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Rev	Date	Description	Drawn	Check
#	01/06/23	First Issue	ML	BF
A	23/08/23	Update to Red Line Boundary	IS	
B	13/02/24	Update to Red Line Boundary	BF	

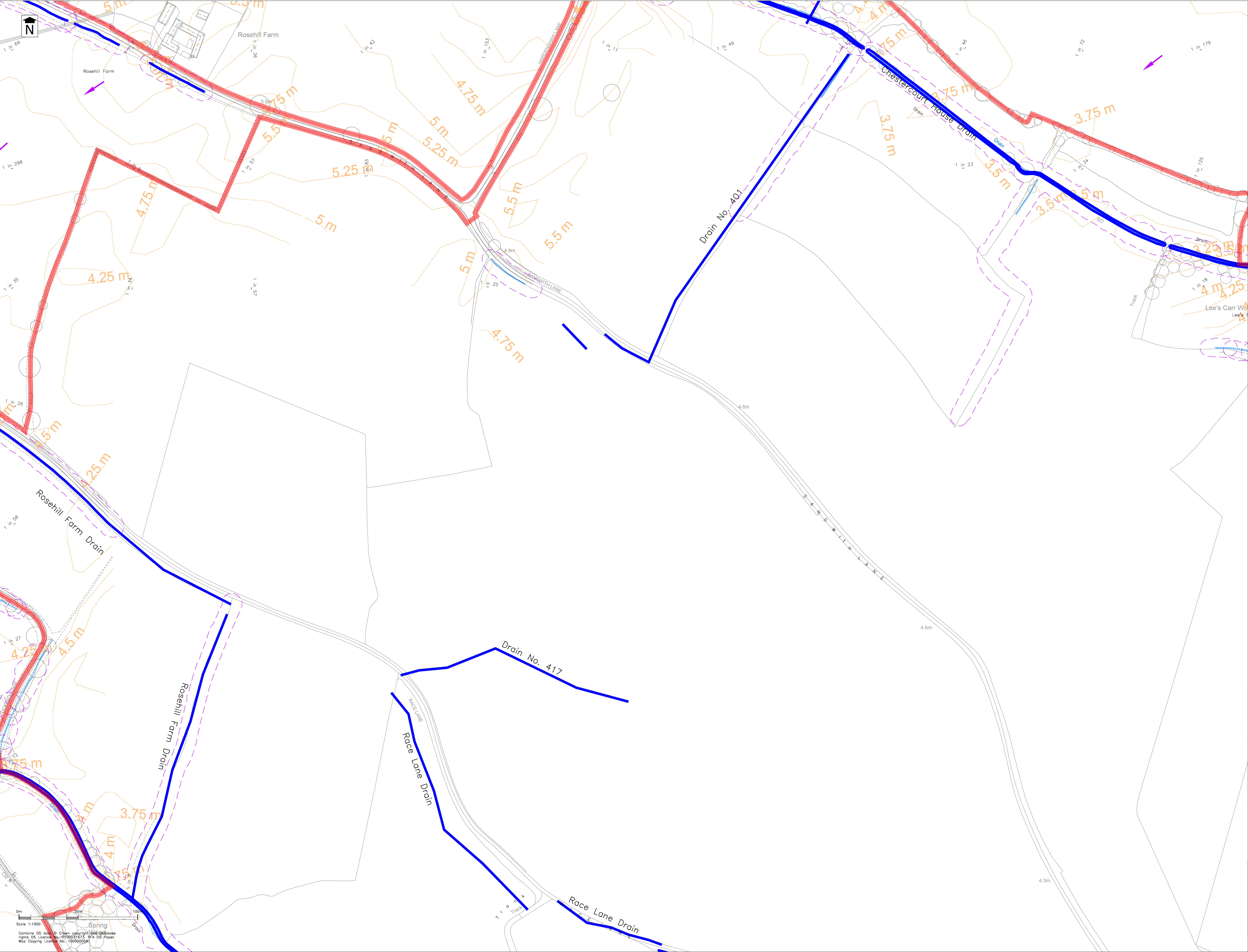
Status **FOR PLANNING**

Client **Enso Green Holdings D Limited**

Project **Helios Renewable Energy Project**

Drawing Title **Existing Drainage Arrangements Sheet 16 of 21**

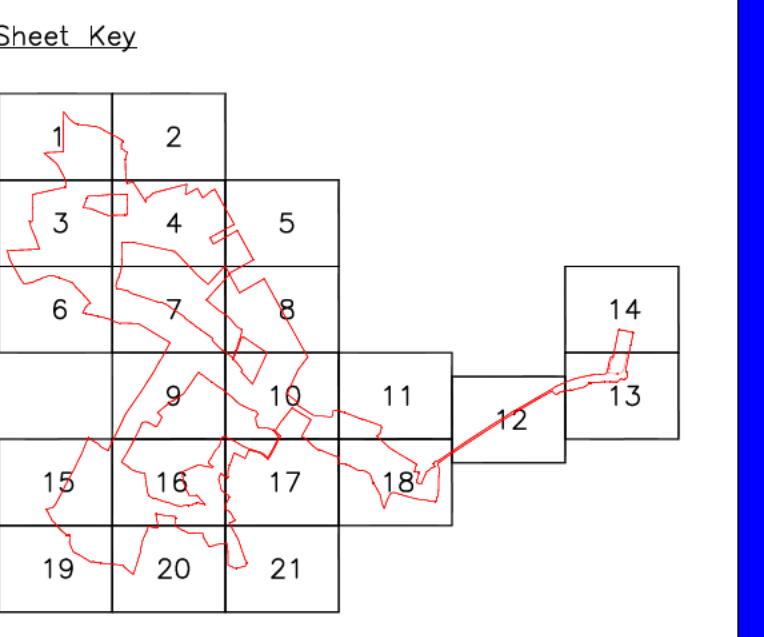
Drawing No. **E216/122** Rev B
Date: June 2023 Scale: 1:1000 @ A0
E-Mail: **@pfapic.com**



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#	01/06/23	First Issue	ML	BF
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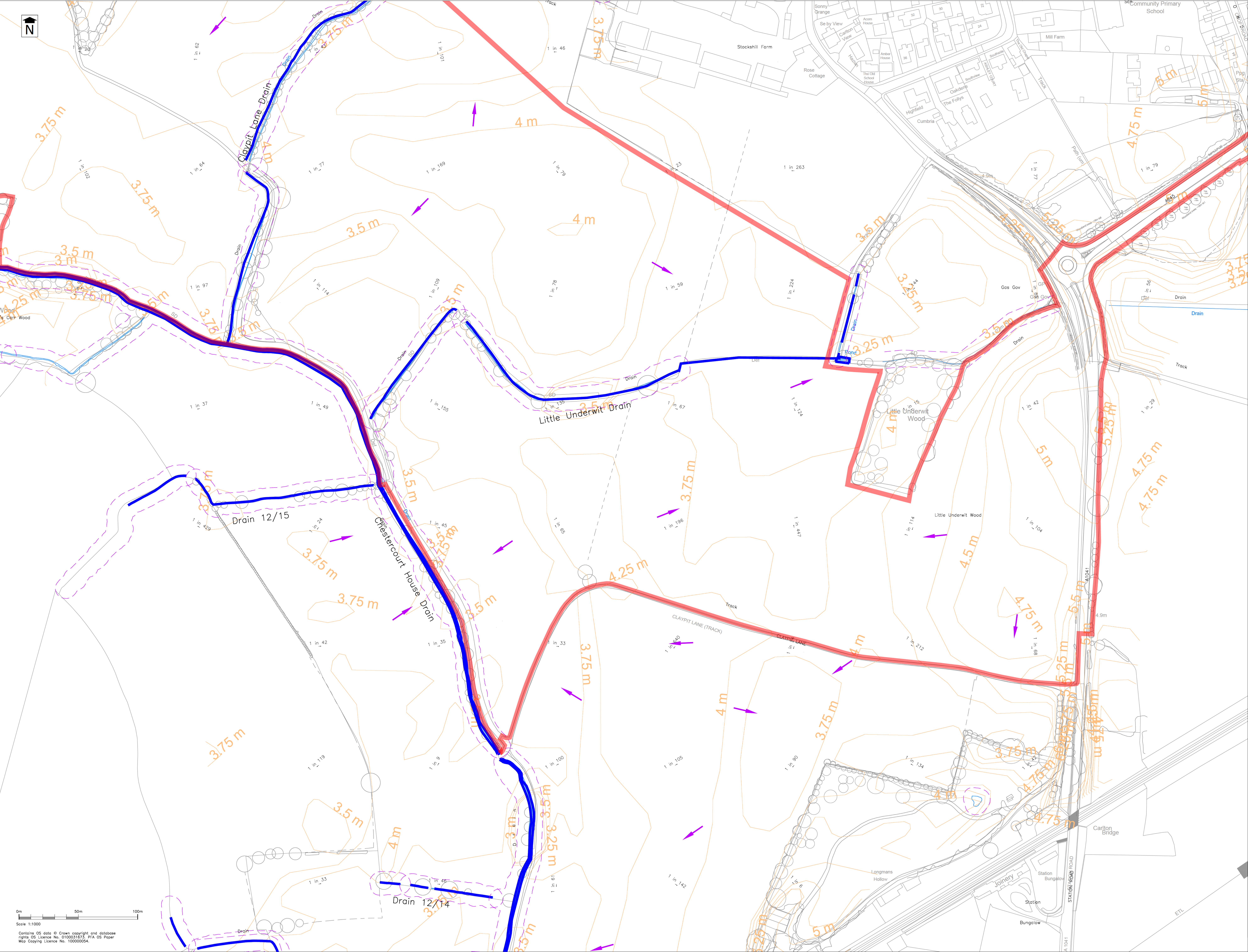
Status
FOR PLANNING

Client
Enso Green Holdings D Limited

Project
Helios Renewable Energy Project

Drawing Title
Existing Drainage Arrangements Sheet 17 of 21

Drawing No. **E216/123** Rev B
Date: June 2023 Scale: 1:1000 @ A0
E-Mail: info@pfapic.com



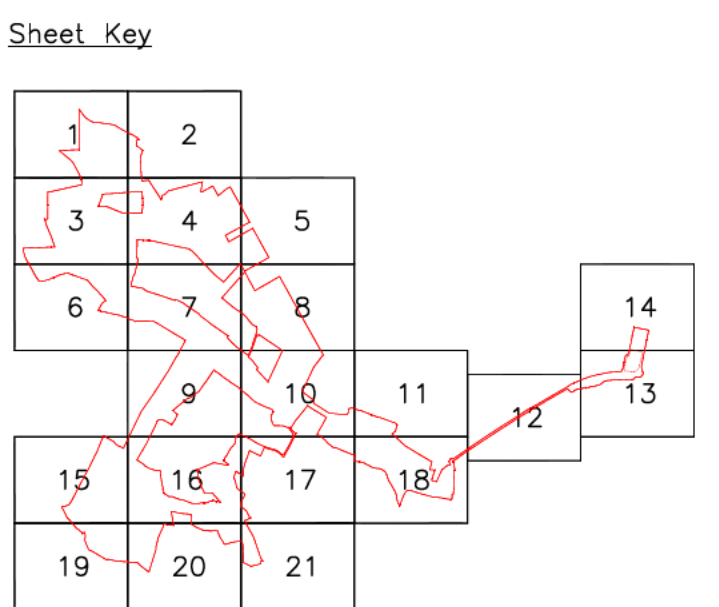
0m 50m 100m
Scale 1:1000

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For Planning
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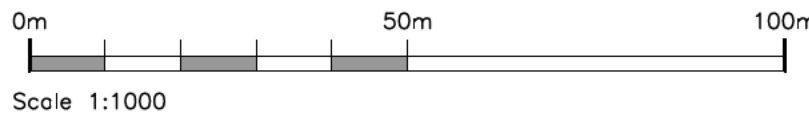
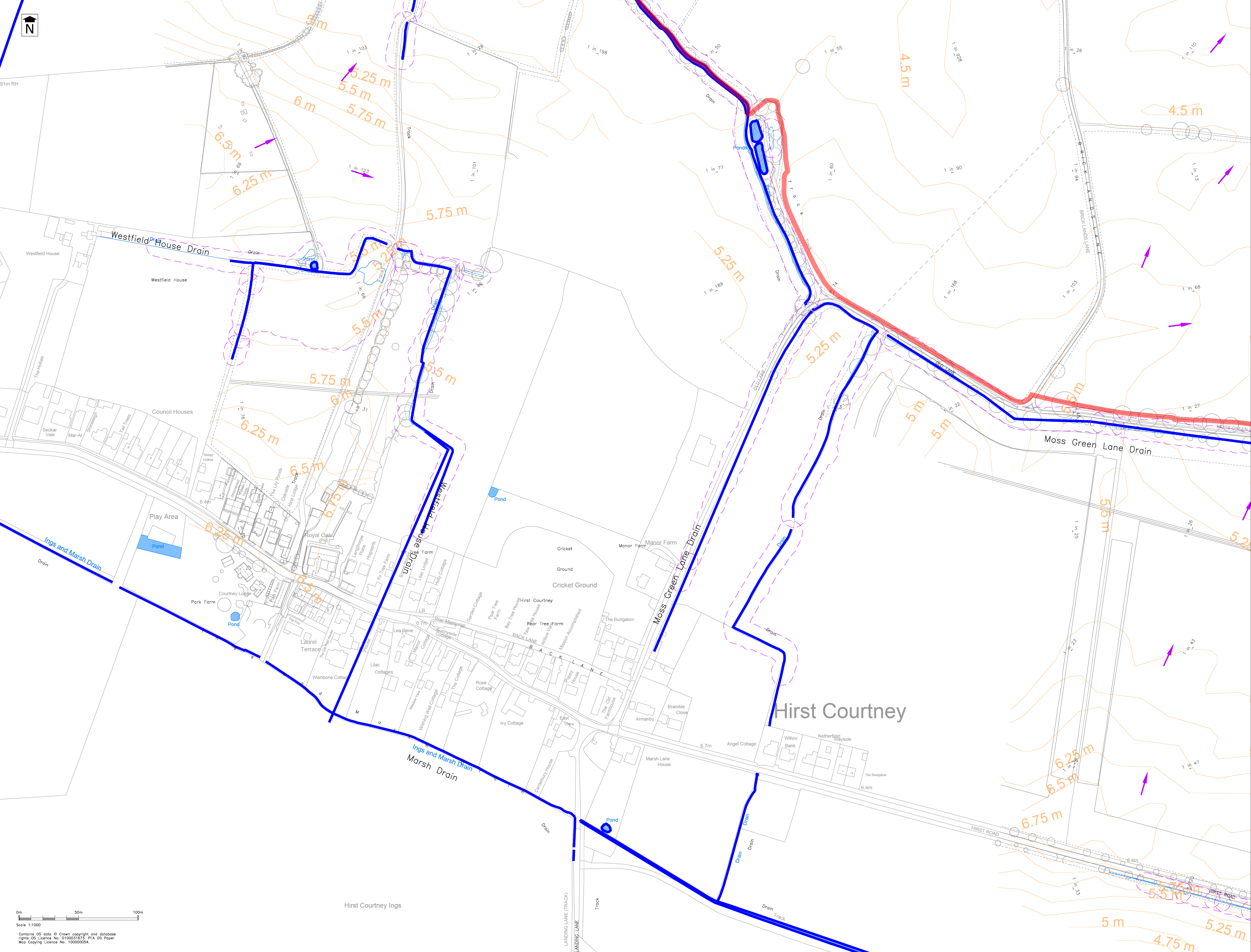
Status
FOR PLANNING

Client
Enso Green Holdings D Limited

Project
Helios Renewable Energy Project

Drawing Title
Existing Drainage Arrangements Sheet 18 of 21

Drawing No. **E216/124** Rev B
Date: June 2023 Scale: 1:1000 @ A0
E-Mail: info@pfapic.com

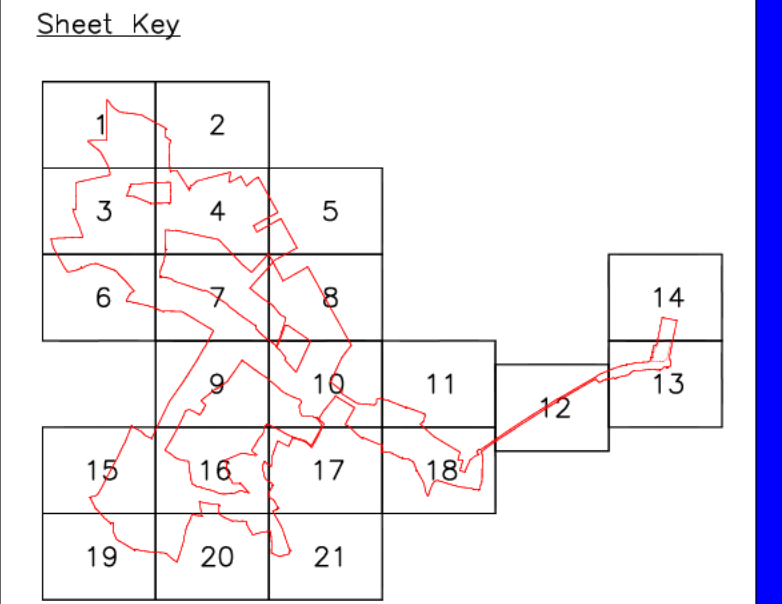


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B	13/02/24	Update to Red Line Boundary	BF	

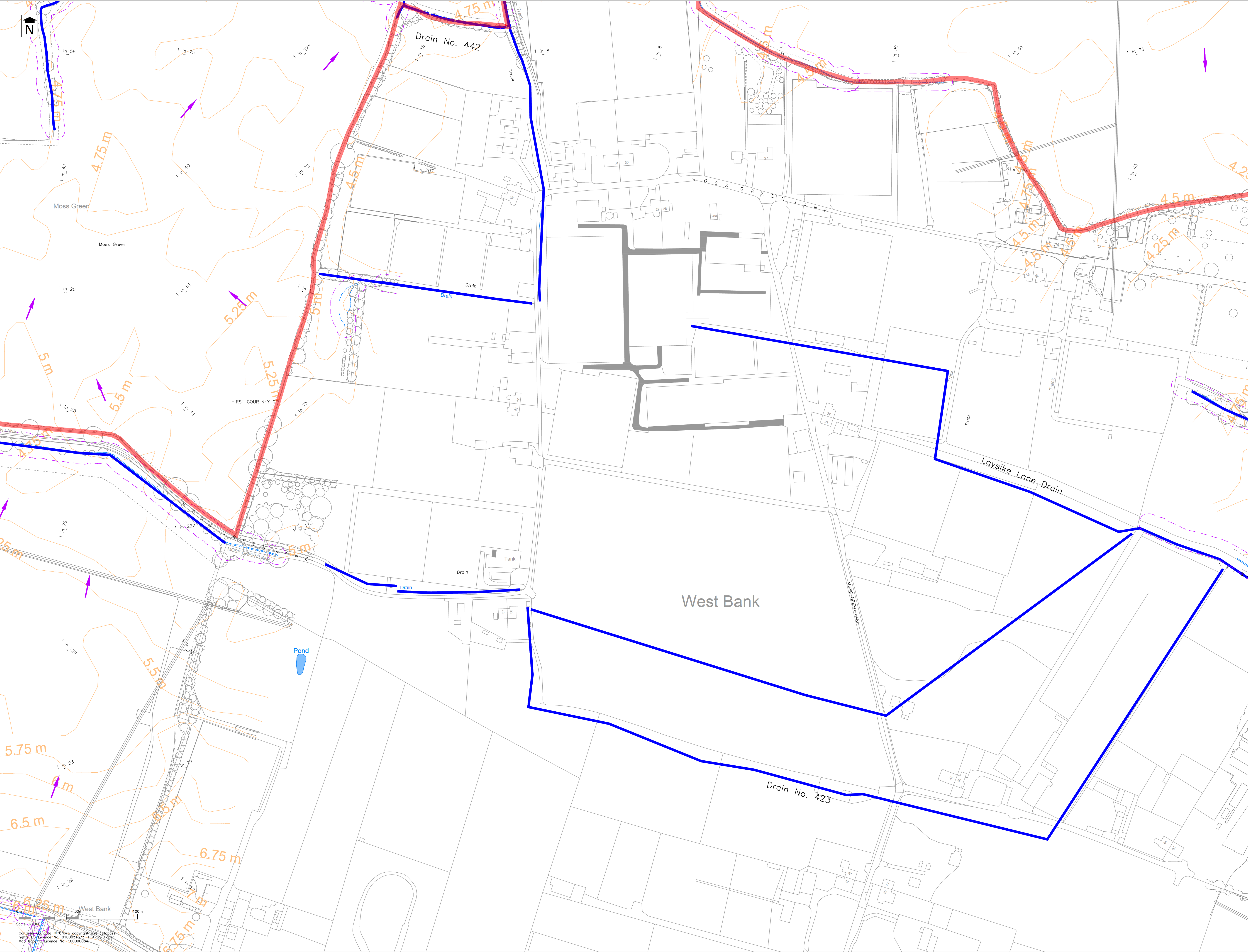
Status
FOR PLANNING

Client
Enso Green Holdings D Limited

Project
Helios Renewable Energy Project

Drawing Title
**Existing Drainage Arrangements
Sheet 19 of 21**

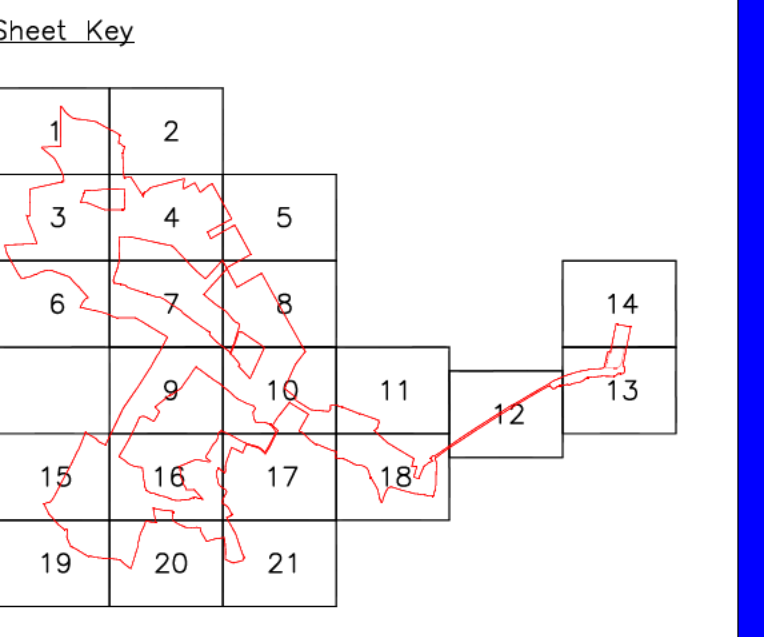
Drawing No. **E216/125** Rev B
Date: June 2023 Scale: 1:1000 @ A0
E-Mail: info@pfapic.com



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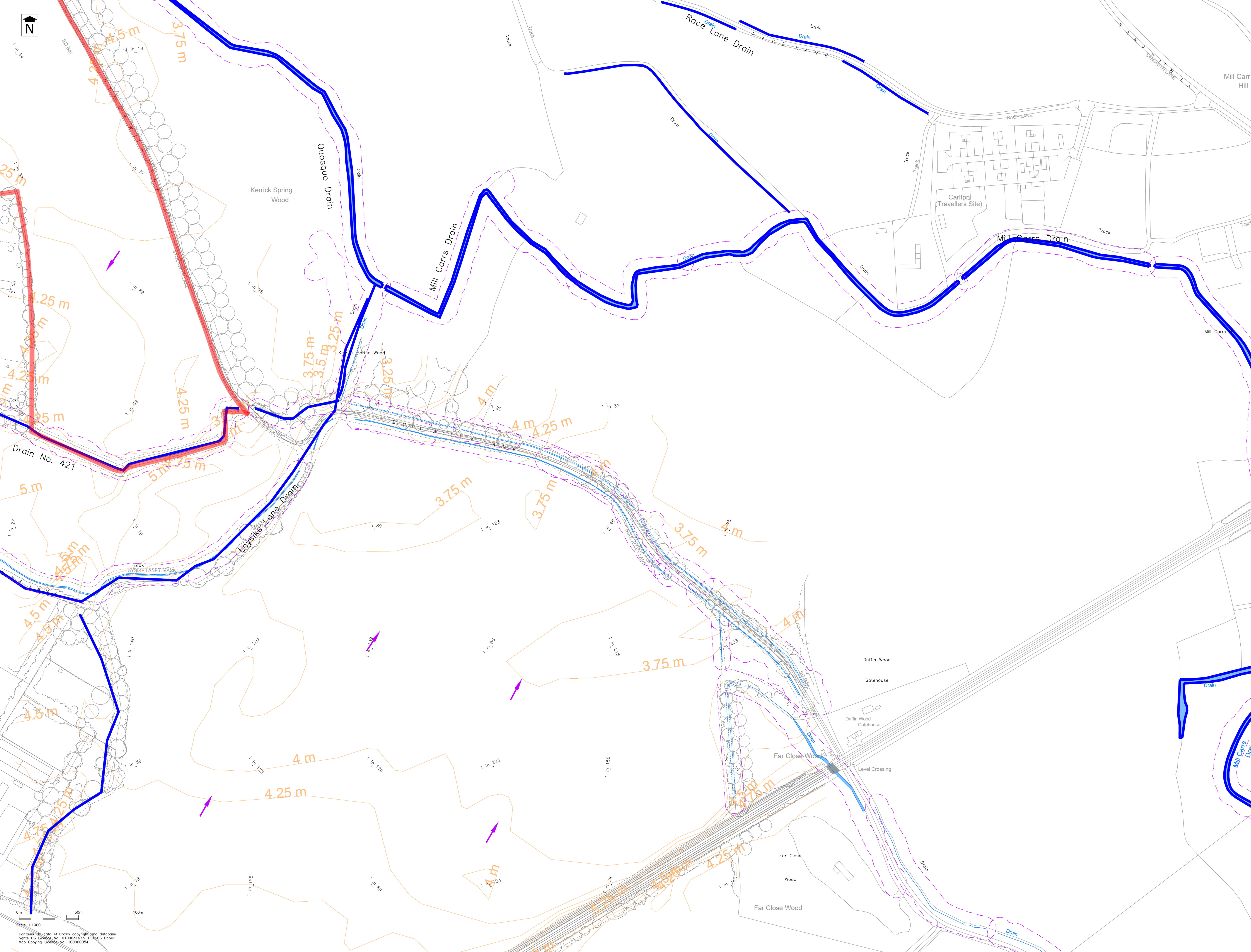
Status
FOR PLANNING

Client
Enso Green Holdings D Limited

Project
Helios Renewable Energy Project

Drawing Title
Existing Drainage Arrangements Sheet 20 of 21

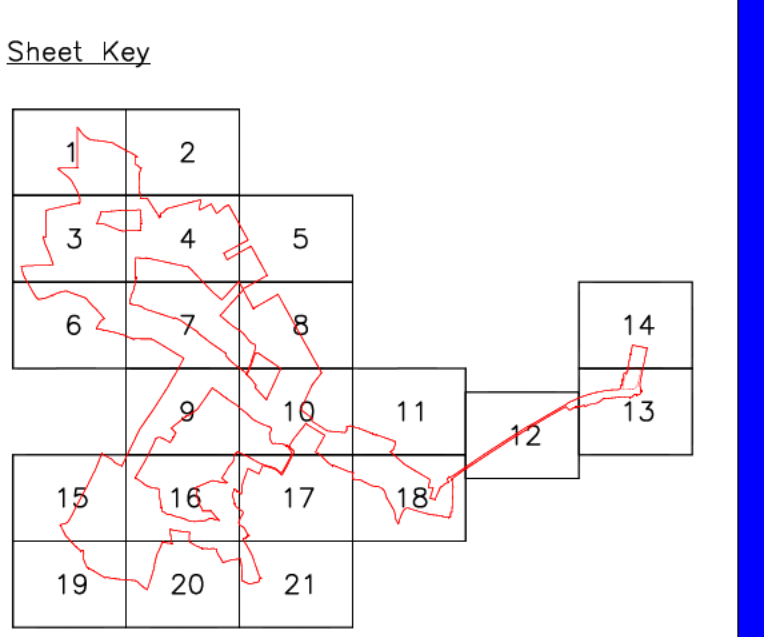
Drawing No. **E216/126** Rev B
Date: June 2023 Scale: 1:1000 @ A0
E-Mail: info@pfapic.com



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A	23/08/23	Update to Red Line Boundary	IS	
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Status **FOR PLANNING**

Client
Enso Green Holdings D Limited














Project
Helios Renewable Energy Project

Drawing Title
Existing Drainage Arrangements Sheet 21 of 21



Drawing No. **E216/127** Rev B
Date: June 2023 Scale: 1:1000 @ A0
E-Mail: @pfapic.com






LEGEND

-  Tree canopy/hedgerow/foilage. Heights where given are to nearest meter.¹
-  Tree shapes for use in PVcase. **These do not represent exact tree locations**, but rather, entities which will be automatically recognised and converted to appropriate shading elements by PVcase. Areas of forest are therefore filled with trees of appropriate height. Height to nearest meter.¹
-  Water (dashed for apparent drainage feature or approx. path)
-  Sealed road
-  Unsealed track
-  Power-line (or other overhead line) with utility post
-  Fence, gate
-  Railway track
-  Public footpath/bridleway
-  Apparent field boundary (As seen from aerial survey. NOT official boundary.)
-  UAV mapping boundary (approx.)
-  Building or other permanent structure
-  Stone wall

ELEVATIONS

-  Elevation of point above vertical datum (see 'COORDINATE REFERENCE SYSTEM AND DATUM' at bottom).²
-  Contours (0.25 m) of digital surface model (dashed when over areas of obvious crop or vegetation).^{3,4}

G.I.S. DATA

-  100m grid in OSGB36 map projection
-  LAT. LONG. The specific lines of latitude and longitude which pass through the site are marked in degrees, minutes, seconds (WGS84).
-  NORTH Grid North follows the direction of the North-South lines of the OSGB36 grid. True North follows lines of longitude, which converge on the axis of rotation of the Earth. True South points to the equator. The convergence angle (precision 2 d.p.) between Grid North and True North for this specific location is given. Magnetic North is not shown (but will be different again).

Third-party data


Site boundaries from client. Approx. public footpath routes from OS map.

NOTES

- Heights of hedgerows and dense trees are marked alongside the foliage. All tree/hedge heights given are approximate heights above nearby ground, based on the Digital Surface Model.
- It is important to note that this grid is from a Surface Model, not a Terrain Model, and therefore point-heights can only be interpreted as terrain when on areas of earth or hardstanding.
- Likewise, the Contours are surface contours, not terrain contours, so should be interpreted carefully. Where contours are obviously not on earth or hardstanding, they are dashed.
- Contours are generated from a subsampled (10m) terrain model to provide smooth but representative contour lines. Where contours cross trees, the path of the contour below the tree(s) is approximated.
- Lat./long. lines are precisely calculated, but should be considered approximate because they represent a spherical coordinate system on a map projection. Locations and dimensions are accurate in the underlying map projection. But conversion of coordinates from the map projection to lat./long. (if required) should be performed using the appropriate transformation, not by inference from this plot.
- Features hidden under dense vegetation (e.g. walls, fences) are only marked if visible from drone footage (or location otherwise provided or noted).

REVISIONS

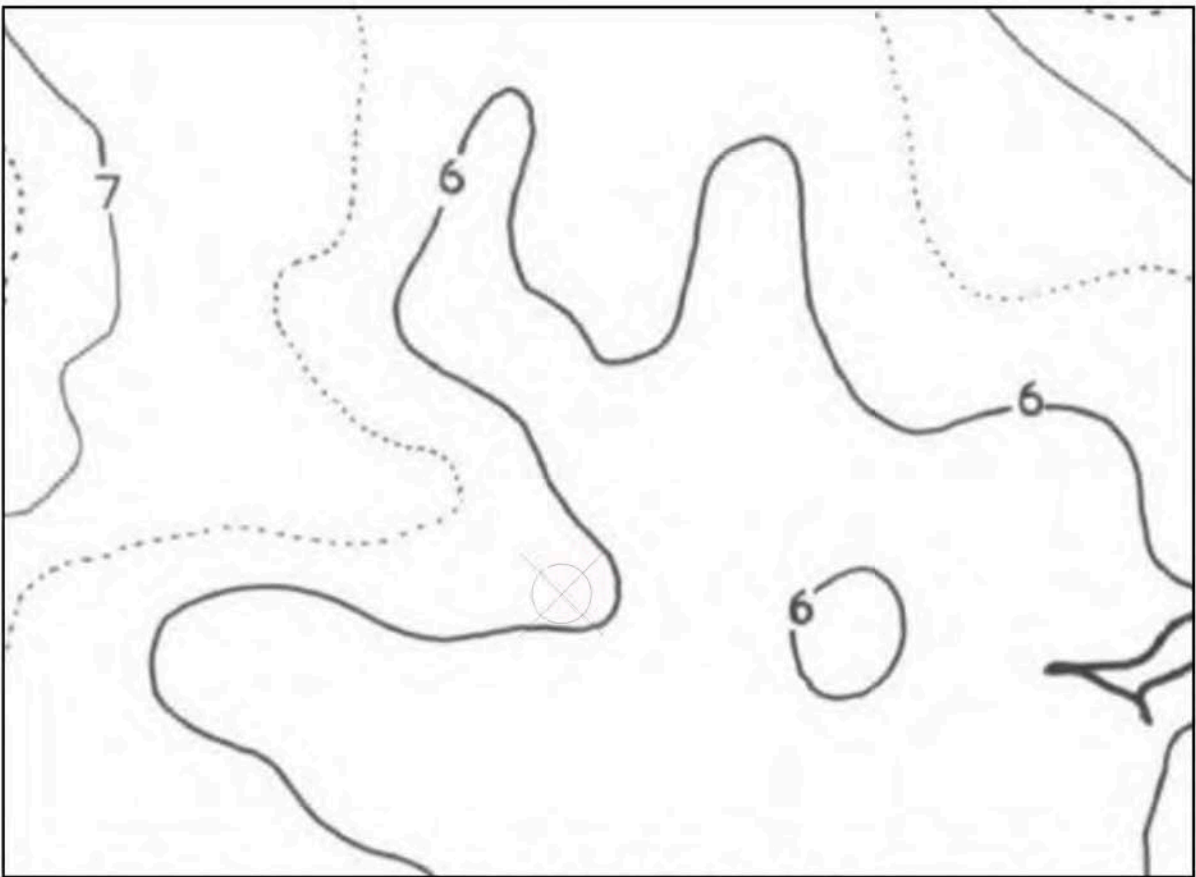
1.0	06 May. 2022	Published to client [MP]

PROJECT Enso energy - UAV SURFACE TOPOGRAPHY Drax in Yorkshire, U.K.	
TITLE DRAX LINEWORK ("CAD")	
DETAILS Enso Energy, The Priory, Long Street, Dursley, Gloucestershire GL11 4HR Simon Chamberlayne	Above Surveying Ltd. Block C2 Knowledge Gateway Nesfield Road, Colchester, CO4 3ZL, U.K. T: +44 1206 483043 E: support@abovesurveying.com
LOCATION Land South of Selby, Yorkshire YO8 8EZ	
COORDINATE SYSTEM AND DATUM OSGB36, British National Grid Map Projection (EPSG: 27700). Units: meters Elevations relative to sea level as height in meters above Ordnance Datum Newlyn (ODN) (EPSG: 5101). Geoid model, OSGM15.	

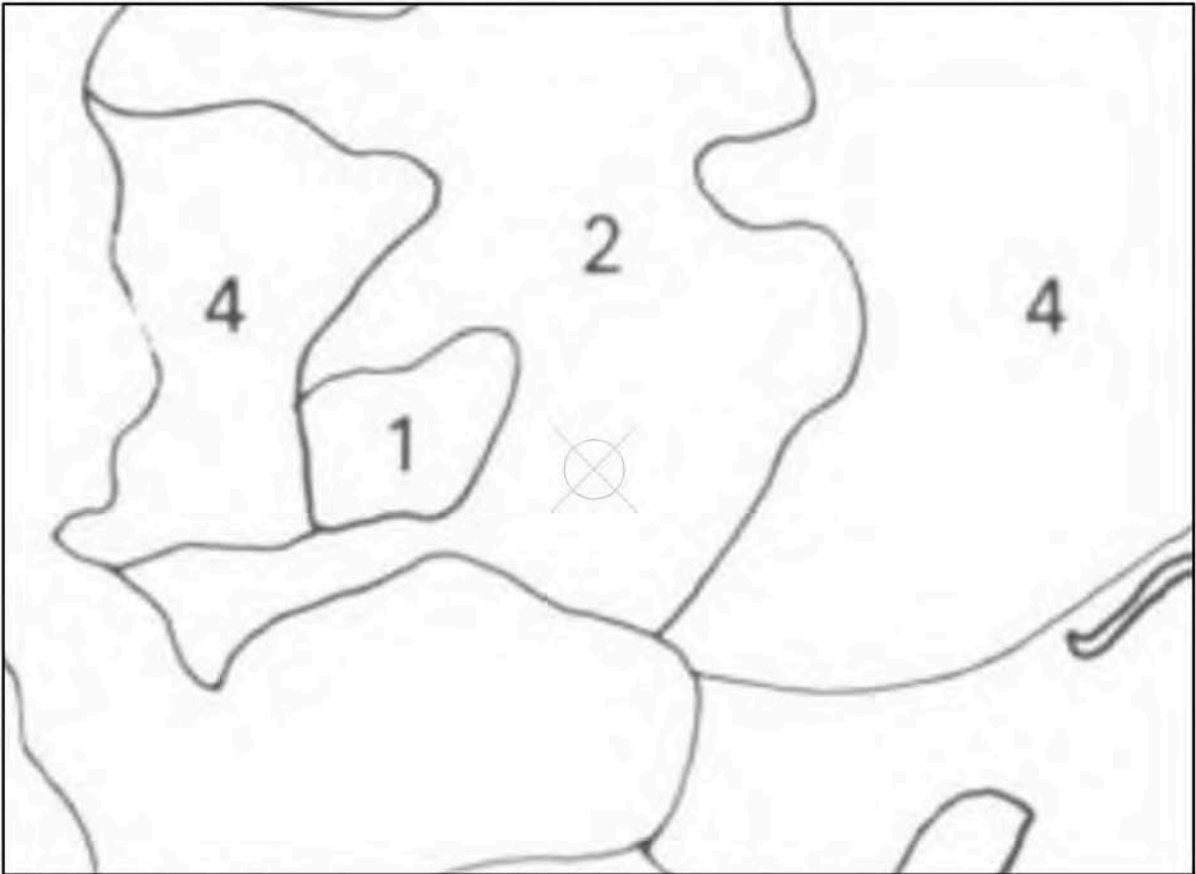
SCALE OF MAIN DRAWING:
1:8000 when printed 100% on A0
Do not scale from this plot. All dimensions to be checked on-site.



Location Plan



Standard Average Annual Rainfall (SAAR) (in hundreds of mm)



Winter Rain Acceptance Potential (WRAP)



Stratton Park House, Wanborough Road
Swindon, SN3 4HG
Telephone
01793 828000
Website
www.pfapl.com

For Planning
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supporting a planning application and should not be
relied upon for tender, pricing, or construction purposes.

NOTES

1. Standard Average Annual Rainfall
(SAAR) and Winter Rain Acceptance
Potential (WRAP) map extracts shown
on this drawing are reproduced from
the maps contained in Volume V of
the Flood Studies Report –
NERC:1975.

Soil Classification			
Soil Class (WRAP)	Soil Index (IoH)	SPR (FtH)	St (ADAS)
1	0.15	10	0.1
2	0.30	30	0.5
3	0.40	37	0.8
4	0.45	47	1.0
5	0.50	53	1.3

Rev	Date	Description	Drawn	Check
#	11/05/23	First Issue.	BF	
Status				
FOR PLANNING				
Client				
Enso Green Holdings D Limited				
Project				
Helios Renewable Energy Project				
Drawing Title				
SAAR and WRAP Maps				
Drawing No.				
E216/82				
Date: May 2023		Scale: As Shown		
E-Mail: bfox@pfapic.com				