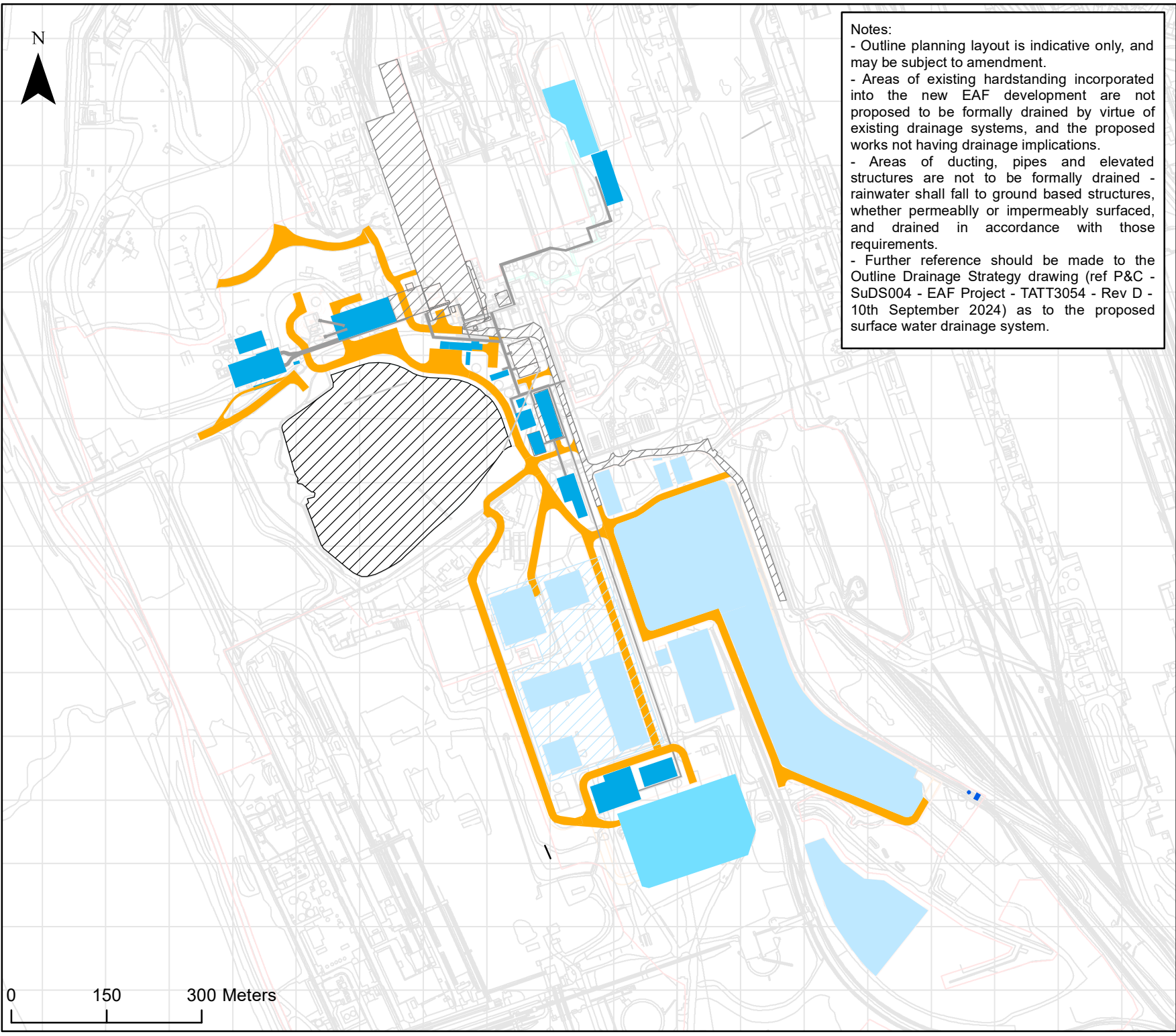
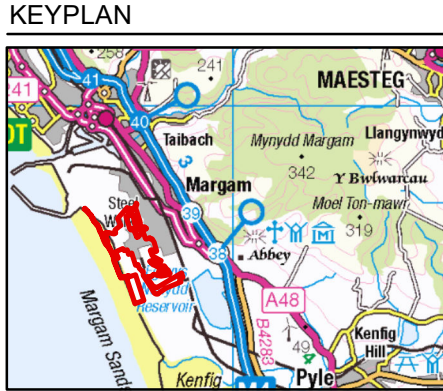


E Outline Drainage Strategy



Notes:

- Outline planning layout is indicative only, and may be subject to amendment.
- Areas of existing hardstanding incorporated into the new EAF development are not proposed to be formally drained by virtue of existing drainage systems, and the proposed works not having drainage implications.
- Areas of ducting, pipes and elevated structures are not to be formally drained - rainwater shall fall to ground based structures, whether permeably or impermeably surfaced, and drained in accordance with those requirements.
- Further reference should be made to the Outline Drainage Strategy drawing (ref P&C - SuDS004 - EAF Project - TATT3054 - Rev D - 10th September 2024) as to the proposed surface water drainage system.



- Legend**
- Existing Hardstanding - Not to be drained
 - Elevated Structures - Not to be Drained
 - Reservoir
 - Proposed Roof
 - Proposed Road
 - Hardstanding
 - Scrap Storage/Processing Features
 - Scrap footprint
 - Railway Infrastructure



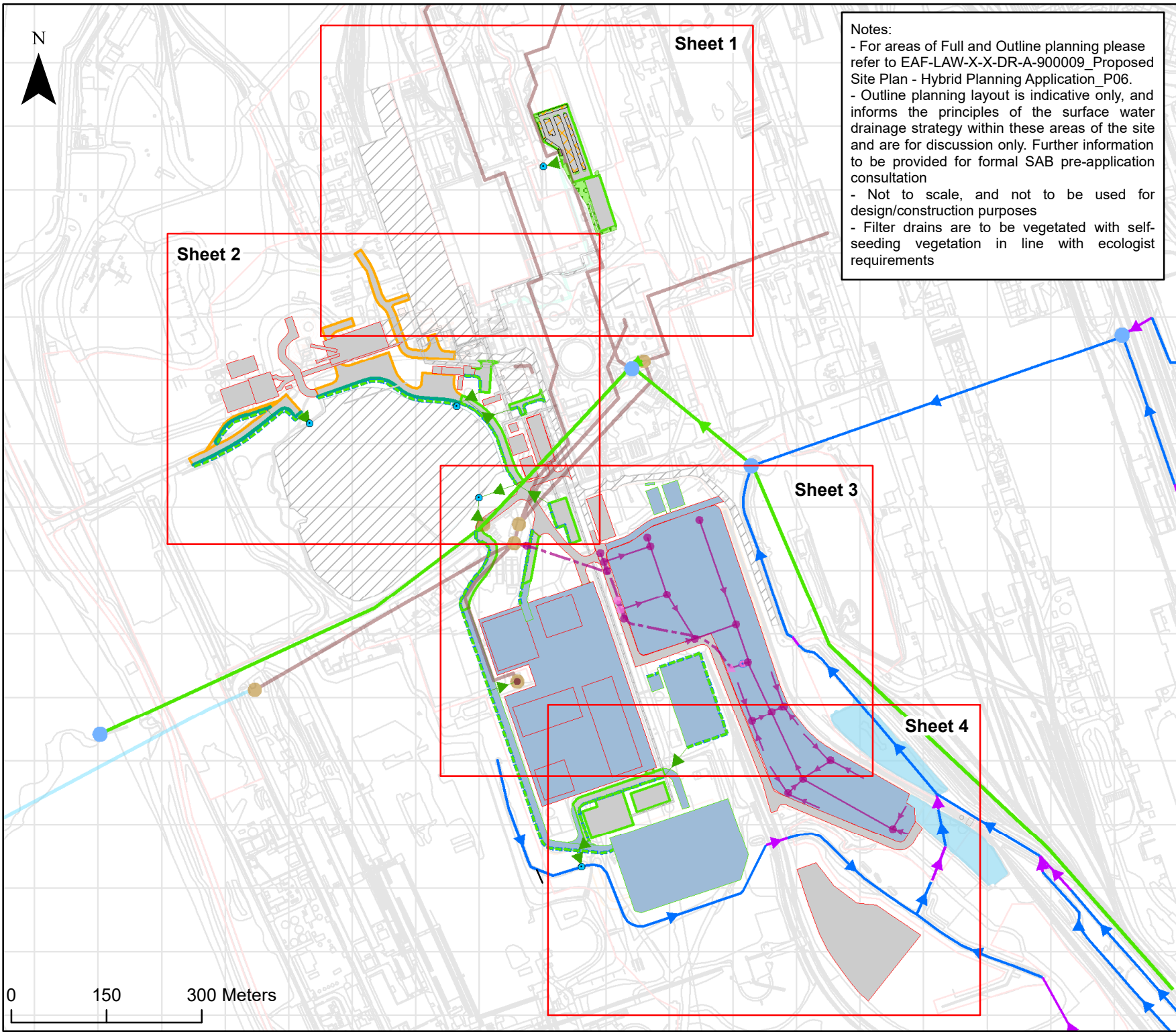
EAF Project

Proposed Drainage Areas

SuDS001 - EAF Project -
TATT3054 - REV D

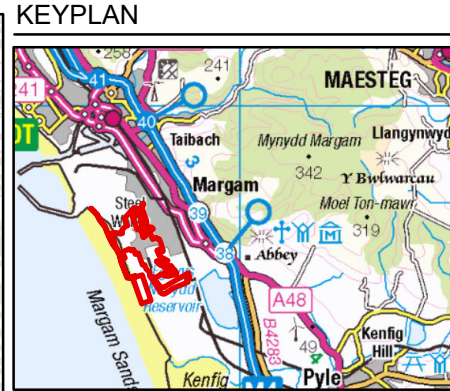
October 2024

Drawn by:	Reviewed by:	Approved by:
Charlotte	Faye	John
Lickman	Tomalin	Panesar
17/10/2024	17/10/2024	17/10/2024



Notes:

- For areas of Full and Outline planning please refer to EAF-LAW-X-X-DR-A-900009_Proposed Site Plan - Hybrid Planning Application_P06.
- Outline planning layout is indicative only, and informs the principles of the surface water drainage strategy within these areas of the site and are for discussion only. Further information to be provided for formal SAB pre-application consultation
- Not to scale, and not to be used for design/construction purposes
- Filter drains are to be vegetated with self-seeding vegetation in line with ecologist requirements



- Legend**
- | | |
|----------------------------------|---------------------------------|
| Proposed Nautilus Connection | Junctions (Surface Water) |
| Proposed Interceptor | culvert |
| Proposed Pumping Station | open channel |
| Access Chamber | pipe |
| Proposed Rising Main | Process Systems |
| Proposed Lateral Drain (gravity) | Process line |
| Outfall | Long sea outfall |
| Interceptor | Waterbody |
| Filter Drain | Exempt for Drainage |
| Filter strip | Outline - High Pollution Hazard |
| Surface Water Pipe | Outline - Low Pollution Hazard |
| Permeable Paving | Full - High Pollution Hazard |
| Vegetated Rain Garden | Full - Medium Pollution Hazard |
| | Full - Low Pollution Hazard |

For detail on proposed watercourse diversion, please see accompanying plans (ref OWC001 - General Arrangement - Rev B - 09 September 2024 - EAF).



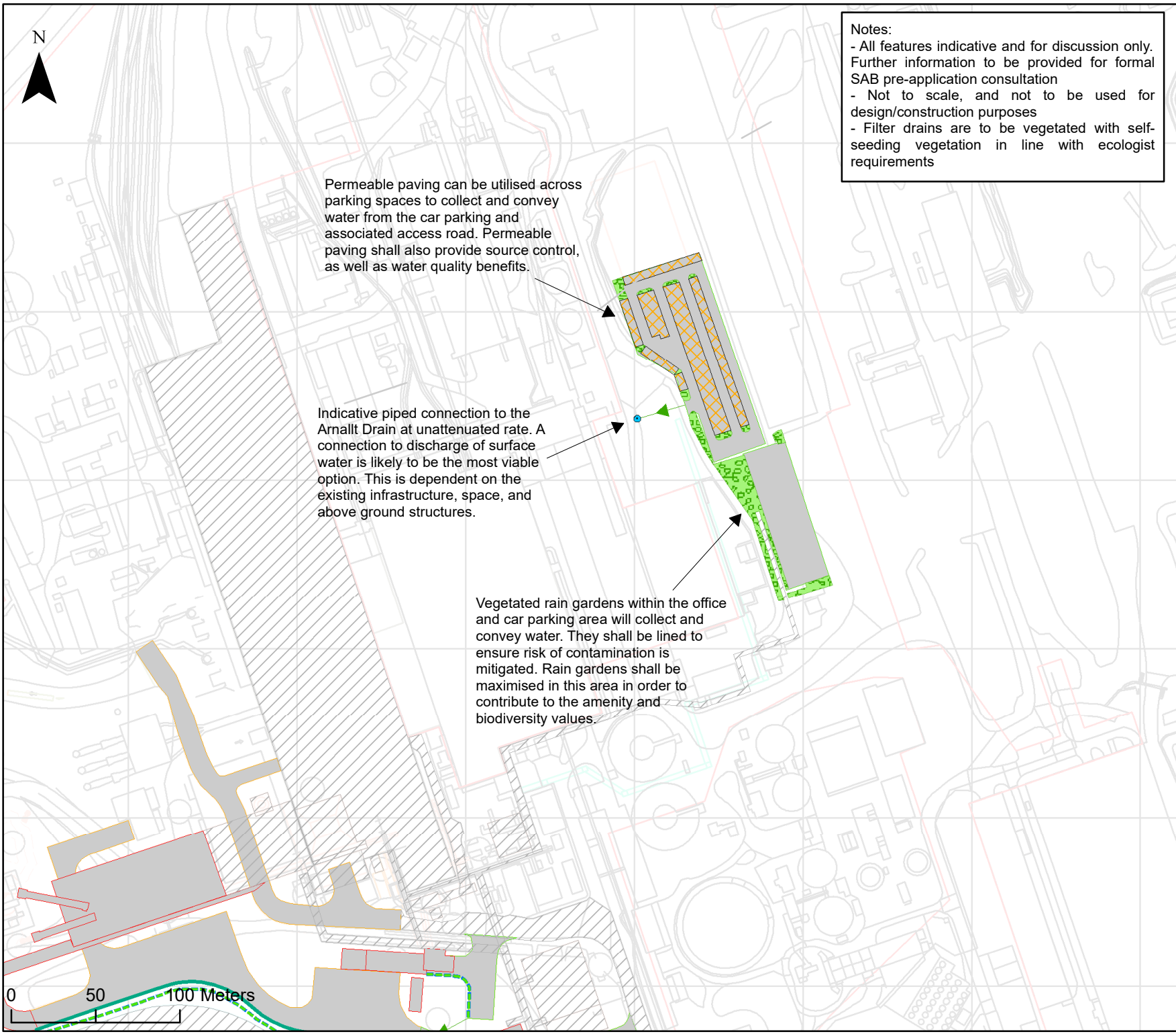
EAF Project

Outline Drainage Strategy

SuDS004 - EAF Project -
TATT3054 - REV F - Overview

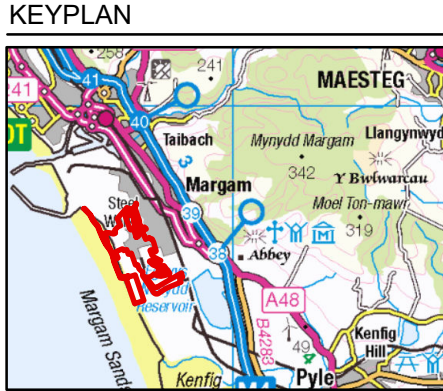
October 2024

Drawn by:	Reviewed by:	Approved by:
Charlotte	Faye	John
Lickman	Tomalin	Panesar
31/10/2024	31/10/2024	31/10/2024



Notes:

- All features indicative and for discussion only. Further information to be provided for formal SAB pre-application consultation
- Not to scale, and not to be used for design/construction purposes
- Filter drains are to be vegetated with self-seeding vegetation in line with ecologist requirements



- Legend**
- Exempt for Drainage
 - Full - High Pollution Hazard
 - Full - Medium Pollution Hazard
 - Full - Low Pollution Hazard
 - Outfall
 - Filter Drain
 - Filter strip
 - Surface Water Pipe
 - Permeable Paving
 - Vegetated Rain Garden

For detail on proposed watercourse diversion, please see accompanying plans (OWC001 - General Arrangement - Rev B - 09 September 2024 - EAF).



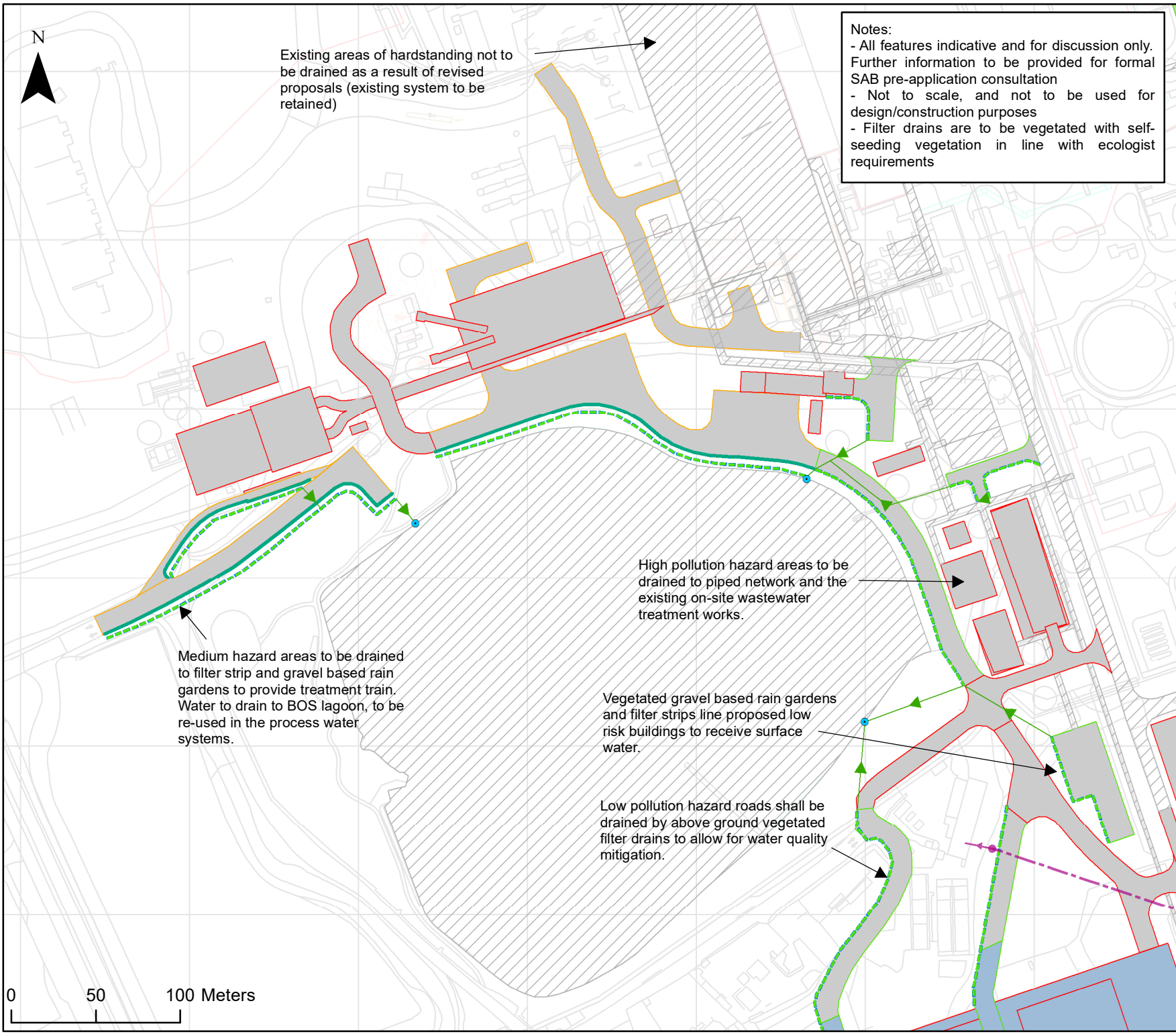
EAF Project

Outline Drainage Strategy

SuDS004 - EAF Project -
TATT3054 - REV E - Sheet 1

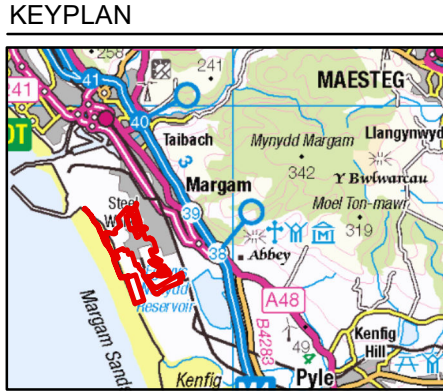
September 2024

Drawn by:	Reviewed by:	Approved by:
Charlotte	Faye	John
Lickman	Tomalin	Panesar
10/09/2024	01/11/2024	01/11/2024



Notes:

- All features indicative and for discussion only. Further information to be provided for formal SAB pre-application consultation
- Not to scale, and not to be used for design/construction purposes
- Filter drains are to be vegetated with self-seeding vegetation in line with ecologist requirements



- Legend**
- Exempt for Drainage
 - Outline - High Pollution Hazard
 - Outline - Low Pollution Hazard
 - Full - High Pollution Hazard
 - Full - Medium Pollution Hazard
 - Full - Low Pollution Hazard
 - Outfall
 - Filter Drain
 - Filter strip
 - Surface Water Pipe
 - Access Chamber
 - Proposed Rising Main
 - Proposed Lateral Drain (gravity)



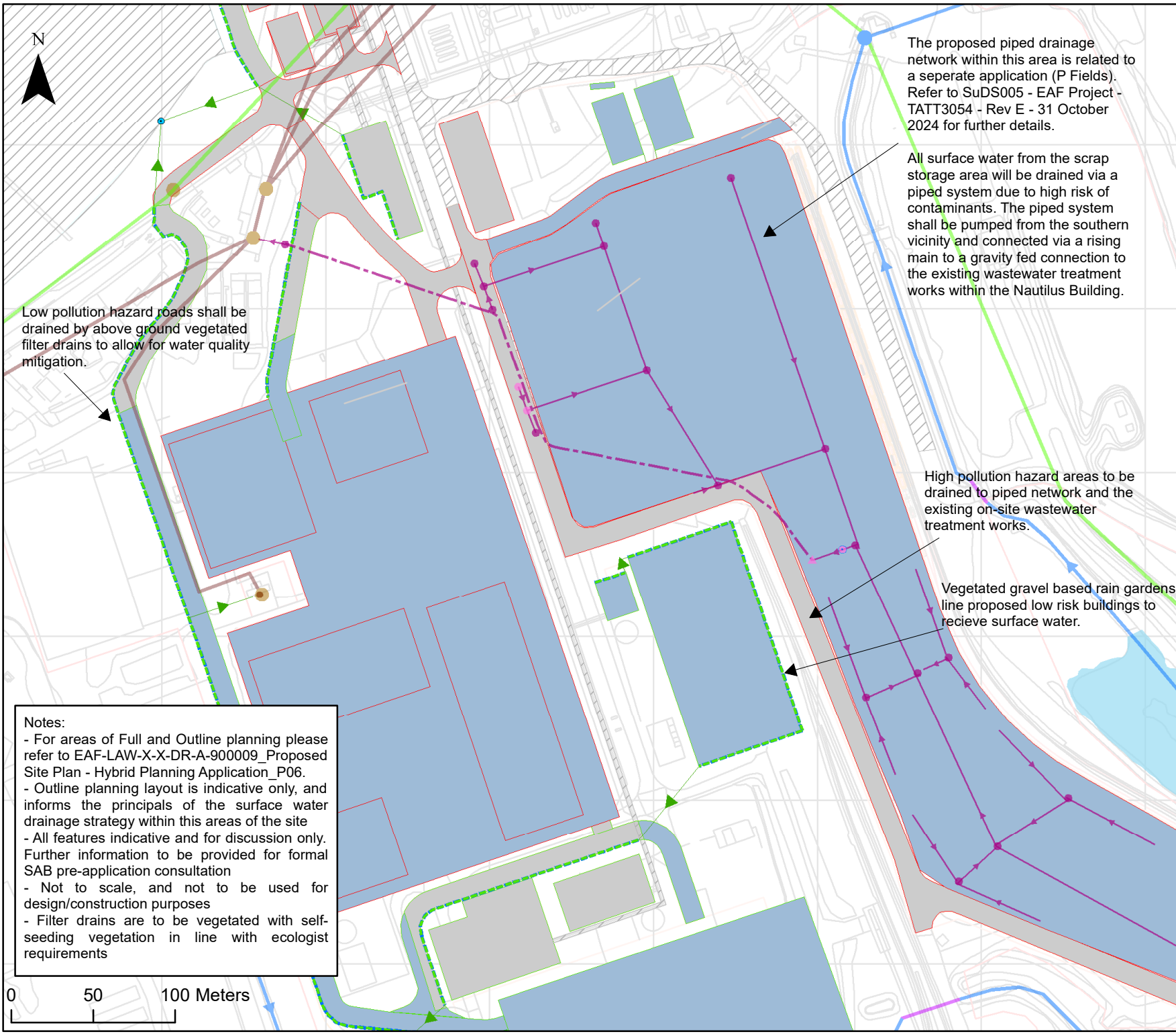
EAF Project

Outline Drainage Strategy

SuDS004 - EAF Project -
TATT3054 - REV E - Sheet 2

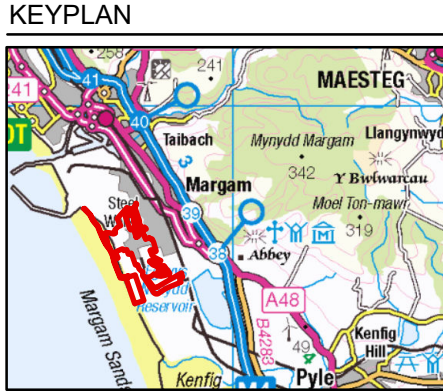
October 2024

Drawn by:	Reviewed by:	Approved by:
Charlotte	Faye	John Panesar
Lickman	Tomalin	31/10/2024
31/10/2024	31/10/2024	



Notes:

- For areas of Full and Outline planning please refer to EAF-LAW-X-X-DR-A-900009_Proposed Site Plan - Hybrid Planning Application_P06.
- Outline planning layout is indicative only, and informs the principals of the surface water drainage strategy within this areas of the site
- All features indicative and for discussion only. Further information to be provided for formal SAB pre-application consultation
- Not to scale, and not to be used for design/construction purposes
- Filter drains are to be vegetated with self-seeding vegetation in line with ecologist requirements



- Legend**
- | | |
|---------------------------------|----------------------------------|
| Surface Water Systems | Proposed Nautilus Connection |
| watercourse | Proposed Interceptor |
| culvert | Proposed Pumping Station |
| surface water network | Access Chamber |
| Waterbody | Proposed Rising Main |
| Process Systems | Proposed Lateral Drain (gravity) |
| Process line | Outfall |
| Exempt for Drainage | Interceptor |
| Outline - High Pollution Hazard | Filter Drain |
| Outline - Low Pollution Hazard | Surface Water Pipe |
| Full - High Pollution Hazard | |
| Full - Low Pollution Hazard | |



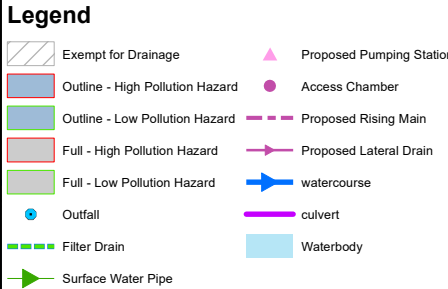
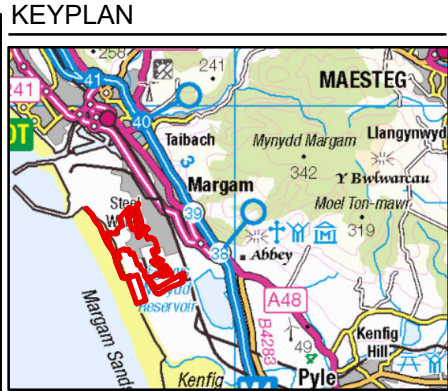
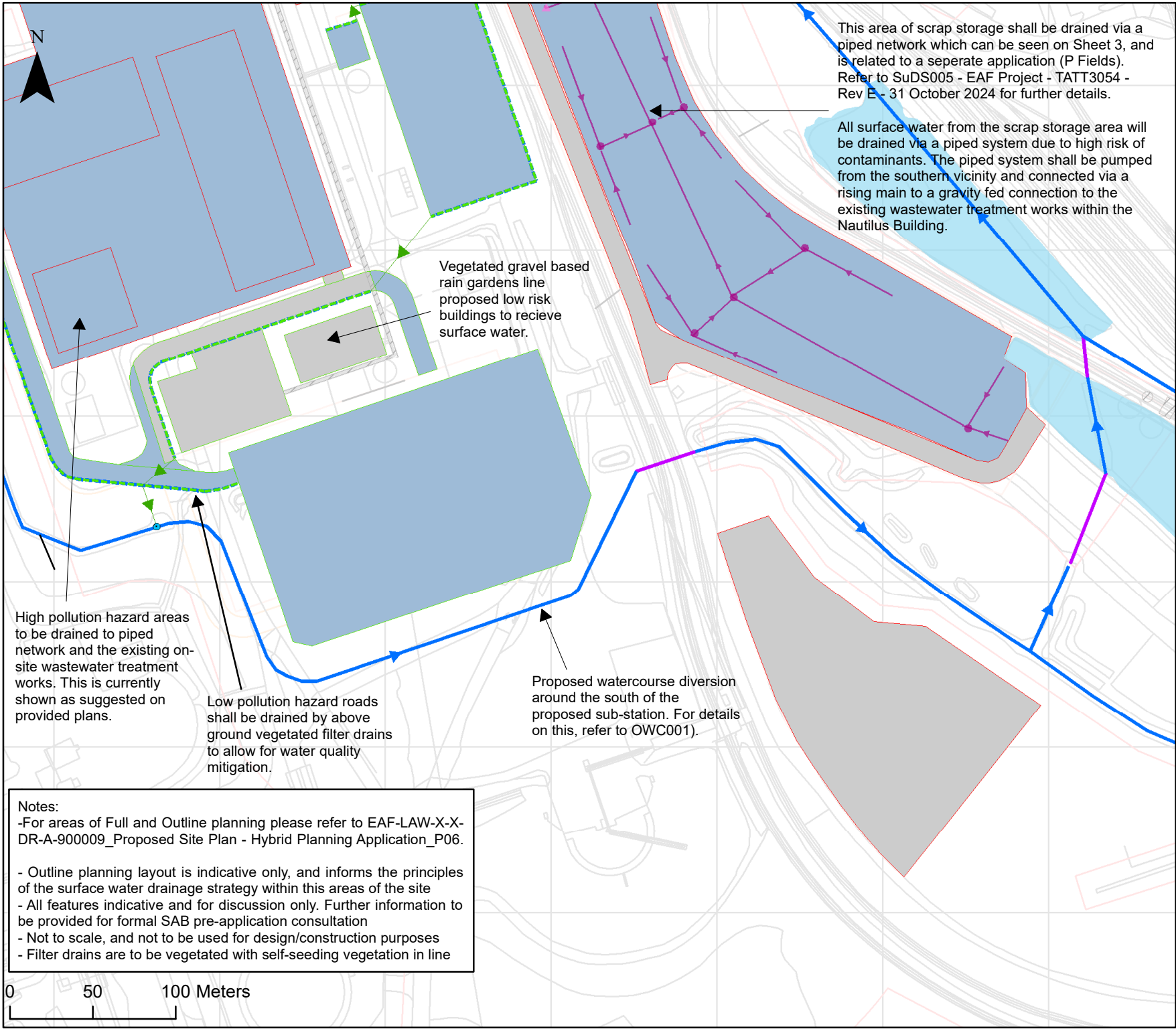
EAF Project

Outline Drainage Strategy

SuDS004 - EAF Project -
TATT3054 - REV F - Sheet 3

October 2024

Drawn by:	Reviewed by:	Approved by:
Charlotte	Faye	John
Lickman	Tomalin	Panesar
31/10/2024	31/10/2024	31/10/2024



For detail on proposed watercourse diversion, please see accompanying plans (OWC001 - General Arrangement - Rev B - 09 September 2024 - EAF).



EAF Project

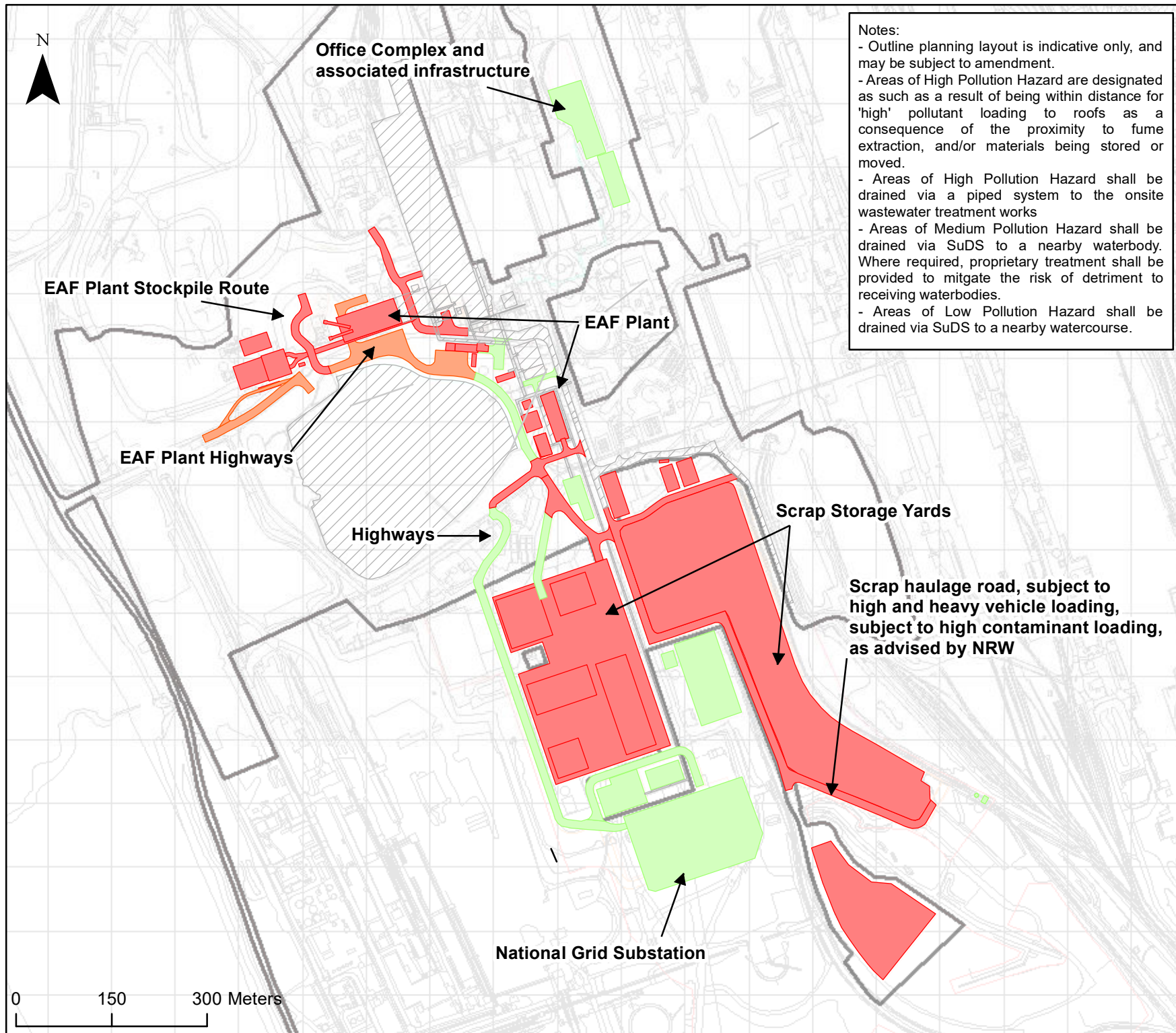
Outline Drainage Strategy

SuDS004 - EAF Project -
TATT3054 - REV F - Sheet 4

October 2024

Drawn by:	Reviewed by:	Approved by:
Charlotte	Faye	John
Lickman	Tomalin	Panesar
31/10/2024	31/10/2024	31/10/2024

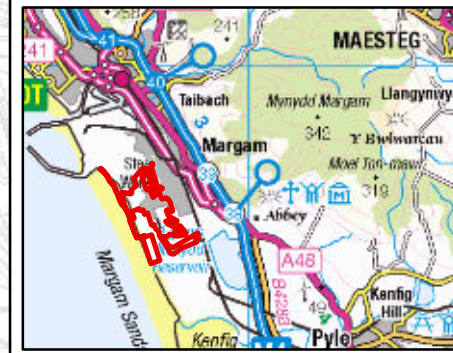
F Water Quality



Notes:

- Outline planning layout is indicative only, and may be subject to amendment.
- Areas of High Pollution Hazard are designated as such as a result of being within distance for 'high' pollutant loading to roofs as a consequence of the proximity to fume extraction, and/or materials being stored or moved.
- Areas of High Pollution Hazard shall be drained via a piped system to the onsite wastewater treatment works
- Areas of Medium Pollution Hazard shall be drained via SuDS to a nearby waterbody. Where required, proprietary treatment shall be provided to mitigate the risk of detriment to receiving waterbodies.
- Areas of Low Pollution Hazard shall be drained via SuDS to a nearby watercourse.

KEYPLAN



Legend

Pollution

- High
- Medium
- Low
- Exempt
- Full Planning Boundary

For areas of Full and Outline planning please refer to EAF-LAW-X-X-DR-A-900009_Proposed Site Plan - Hybrid Planning Application_P06. Outline planning layout is indicative only, and informs the principals of the surface water drainage strategy within this areas of the site



EAF Project

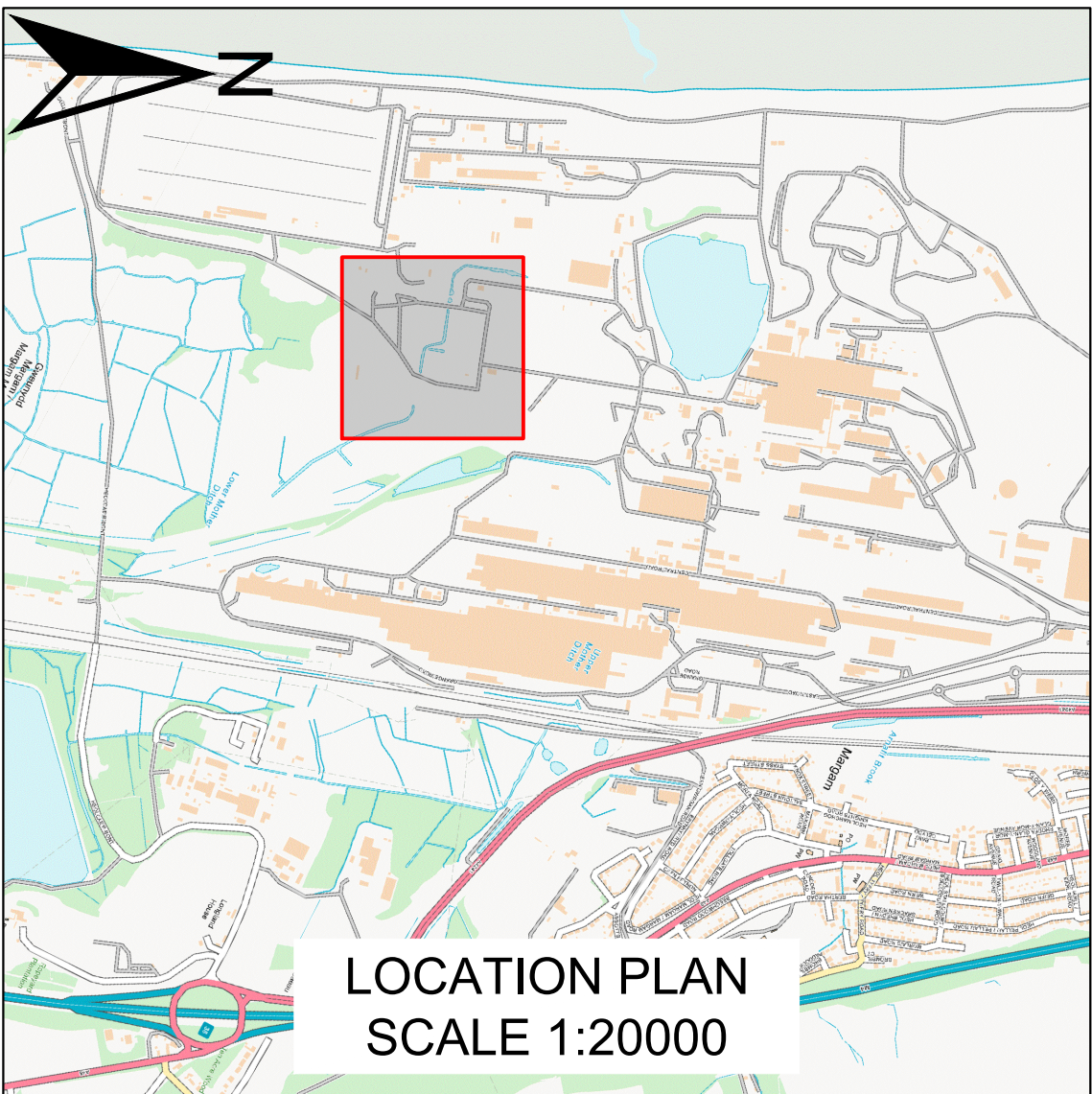
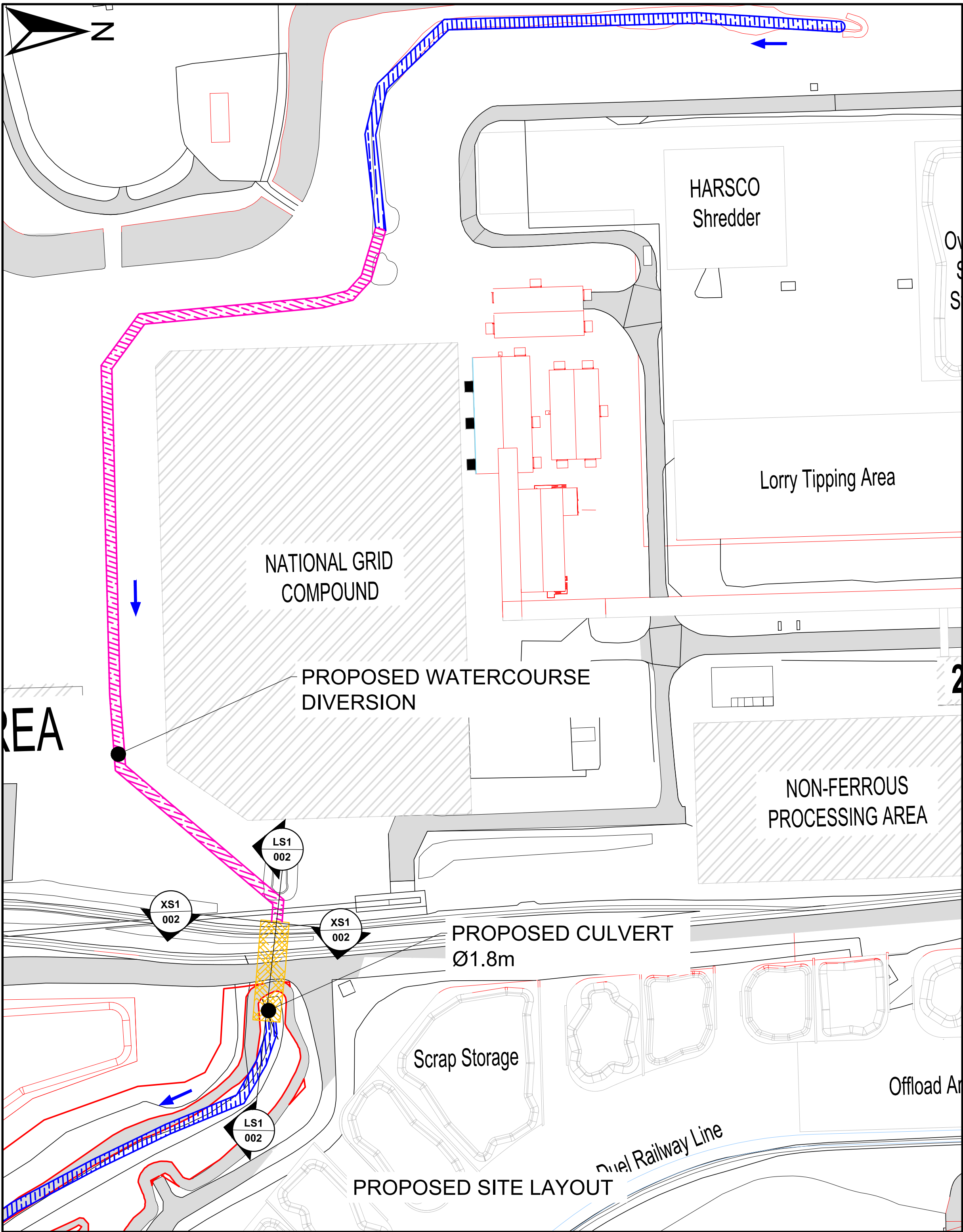
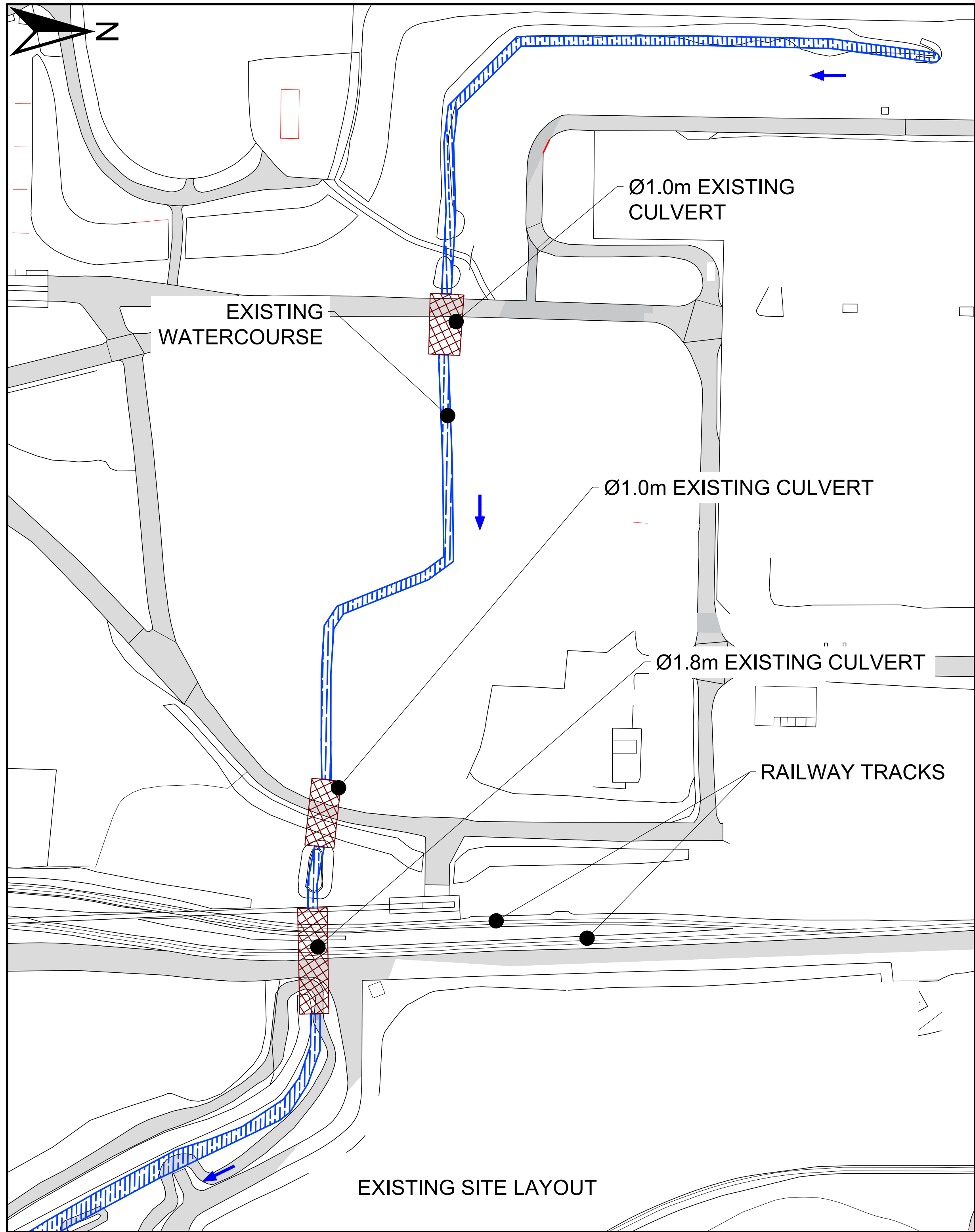
Water Quality

SuDS002 - EAF Project -
TATT3054 - REV F

November 2024

Drawn by:	Reviewed by:	Approved by:
Charlotte	Faye	John
Lickman	Tomalin	Panesar
31/10/2024	01/11/2024	01/11/2024

G Watercourse Diversion



GENERAL NOTES

- ALL DIMENSIONS SHOWN ARE IN METRES UNLESS NOTED OTHERWISE.
- ALL COORDINATES ARE IN METRES RELATIVE TO ORDNANCE SURVEY NATIONAL GRID.
- DO NOT SCALE FROM THIS DRAWING. ALL DIMENSIONS MUST BE CHECKED/VERIFIED ON SITE.
- ANY DISCREPANCIES NOTED ON SITE ARE TO BE REPORTED TO THE SUPERVISOR IMMEDIATELY.
- THIS DRAWING IS FOR REFERENCE ONLY AND SHOULD NOT BE USED FOR SETTING OUT PURPOSES.
- ALL WORKS IN WATERCOURSE WILL BE CARRIED OUT WITH CARE TO MINIMISE THE RISK OF POLLUTION AND ADHERING TO POLLUTION GUIDELINES.
- ALL WORKS AFFECTING FLOOD DEFENCES, MAIN WATERCOURSES AND/OR ORDINARY WATERCOURSE WILL BE SUBJECT TO CONSENT FOR PERMANENT AND TEMPORARY WORKS UNDER THE LAND DRAINAGE ACT 1991.
- SUBJECT TO:
 - DETAILED DRAINAGE AND LEVELS DESIGN
 - CULVERT HYDRAULIC AND STRUCTURAL ANALYSIS/DESIGN
 - GEOTECHNICAL ASSESSMENT
 - WATERCOURSE EMBANKMENT SLOPE STABILITY ANALYSIS
 - THE NECESSARY CONSENTS AND APPLICATION APPROVALS

SITE ADDRESS
TATA STEEL UK Ltd
PORT TALBOT
SA13 2NG
UNITED KINGDOM

DRAWING NOTES

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH:
P&C - OWC002 - EAF PROJECT - TATT3054 - REV A - 14TH JUNE 2024 V0.5
- NO SIGNIFICANT CHANGE IN CHANNEL CAPACITY EXPECTED WHEN INSTALLING PROPOSED CULVERTS COMPARED TO THAT OF THE EXISTING CHANNEL.
- GROUND LEVELS WERE TAKEN FROM A 3D TOPOGRAPHICAL SURVEY. SEE DRAWING P&C - OWC012 - EAF Project - TATT3054 - Rev A - 14th June 2024 v0.1 FOR FURTHER DETAILS.

LEGEND

- EXISTING ROAD
- FLOW DIRECTION
- PROPOSED SITE COMPOUNDS
- EXISTING CULVERTS
- EXISTING CHANNEL
- PROPOSED CULVERTS
- PROPOSED CHANNEL

50 25 0 25 50 75 100
SCALE 1:1250 (m)

P02	CHANNEL DIVERSION UPDATED	06/09/24	ES	FT	JP	GB
P01	FIRST DRAFT	13/06/24	ES	FT	JP	FT
Rev.	Description	Date	Author	Designer	Checker	Approver

Document Control

Supplier
Kings Chambers
7-8 High Street
NEWPORT
South Wales
NP20 1QU

T: +44 (0)1633 413 514
E: info@jbaconsulting.com
www.jbaconsulting.com
Twitter @JBAConsulting

JBA consulting

Project Title
TATA STEEL - WATERCOURSE DIVERSION

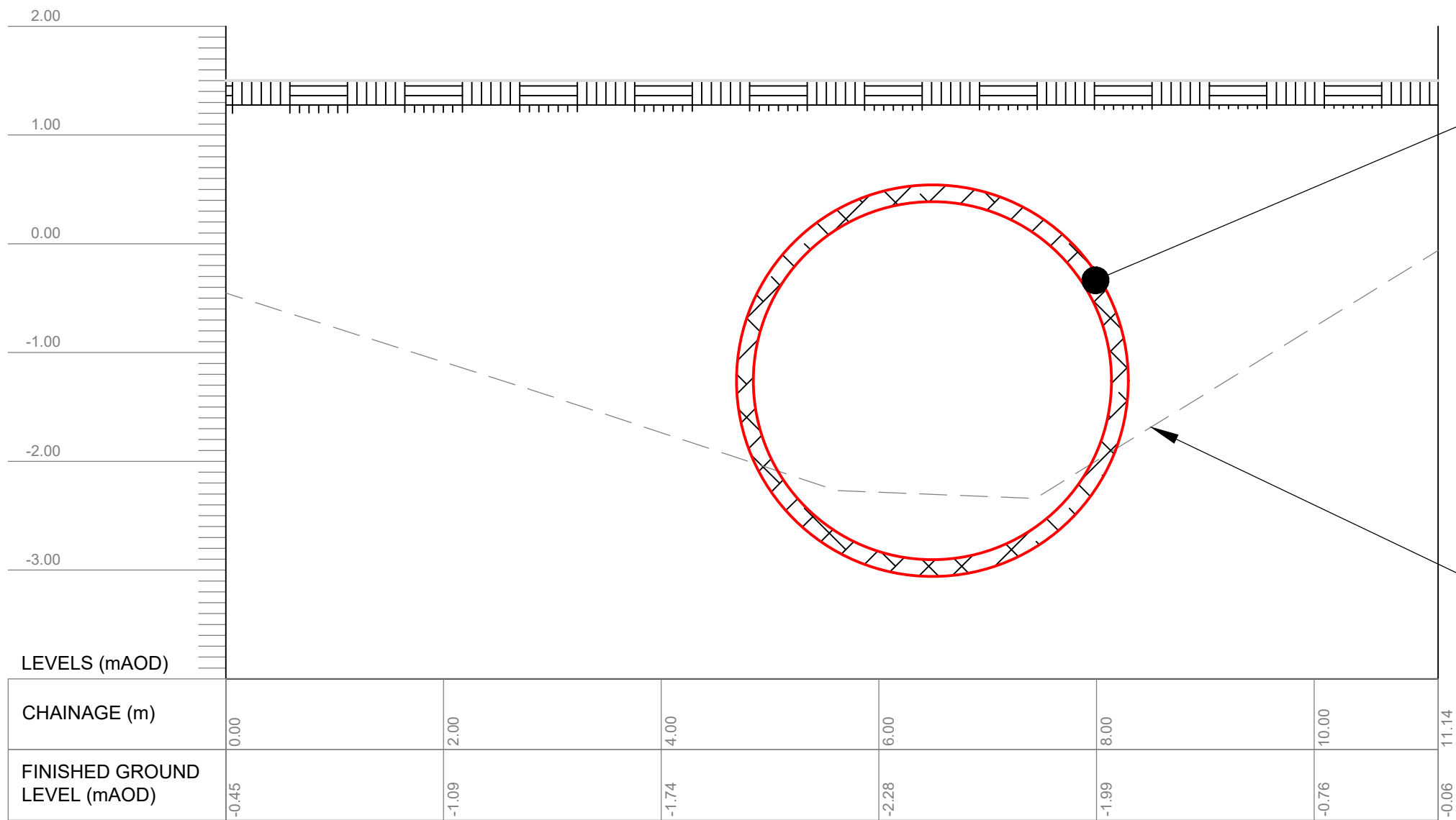
Drawing Title
GENERAL ARRANGEMENT

TATA STEEL

Parent Model
NOT FROM MODEL

Security Classification OFFICIAL SENSITIVE	Scale 1:1250
Author E Sherlock	Designer F Tomalin
Checker J Panesar	Approver G Baker
Suitability WORK IN PROGRESS	Status S0
Information Container P&C - OWC001 - EAF Project - TATT3054 - Rev A - 14th June 2024.dwg	Revision P02

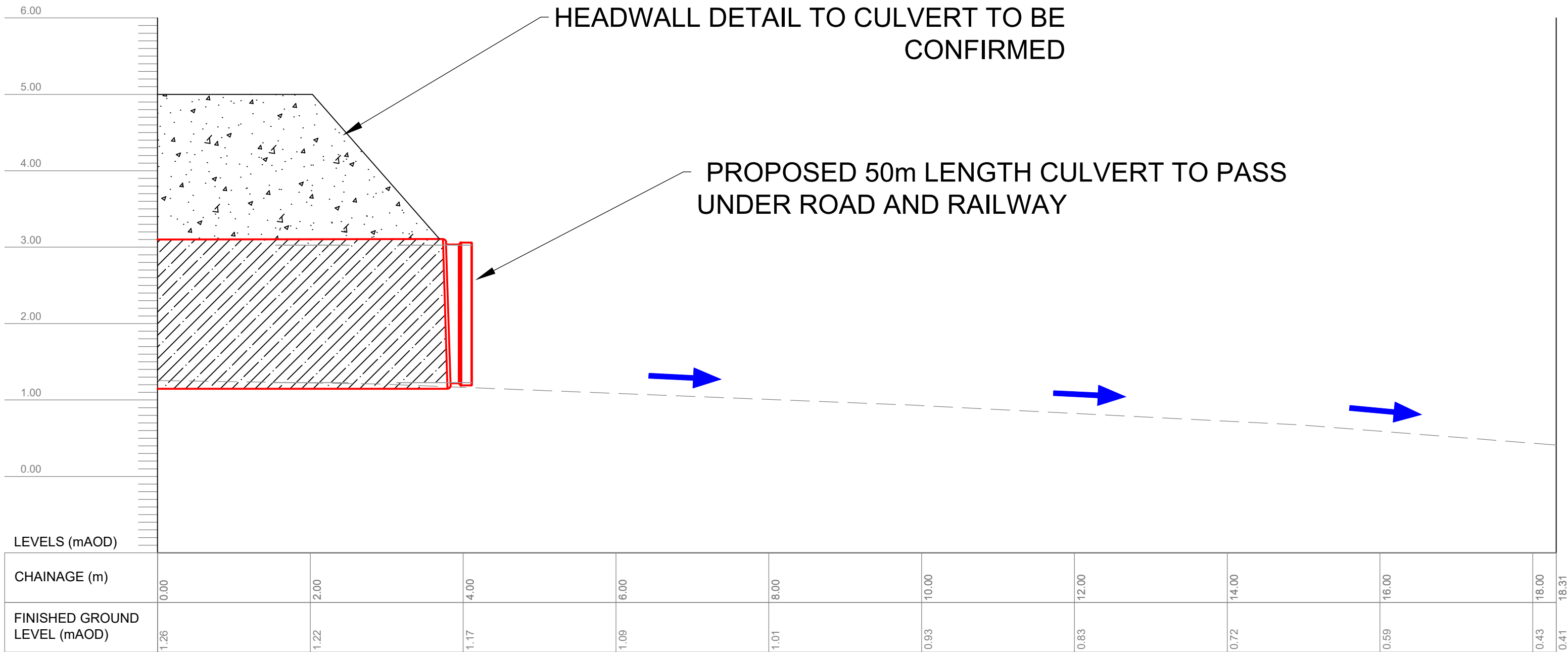
A1 Sheet Size



Ø1.8m PROPOSED CULVERT, 50m LENGTH TO PASS BELOW ROAD AND RAILWAY. SEE LS1-LS1 FOR INDICATIVE LONG SECTION

TYPICAL EXISTING CHANNEL CROSS-SECTION. FURTHER SURVEYS REQUIRED FOR MORE ACCURATE INVERT LEVELS.

PROPOSED CULVERT XS1-XS1
CH: 0.00 - 11.14m
SCALE 1:50



HEADWALL DETAIL TO CULVERT TO BE CONFIRMED

PROPOSED 50m LENGTH CULVERT TO PASS UNDER ROAD AND RAILWAY

PROPOSED CULVERT LS1-LS1
CH: 0.00 - 18.31m
SCALE 1:50

GENERAL NOTES

- ALL DIMENSIONS SHOWN ARE IN METRES UNLESS NOTED OTHERWISE.
- ALL COORDINATES ARE IN METRES RELATIVE TO ORDNANCE SURVEY NATIONAL GRID.
- DO NOT SCALE FROM THIS DRAWING. ALL DIMENSIONS MUST BE CHECKED/VERIFIED ON SITE.
- ANY DISCREPANCIES NOTED ON SITE ARE TO BE REPORTED TO THE SUPERVISOR IMMEDIATELY.
- OUTLINE DESIGN DRAWING: SUBJECT TO CHANGE AT DETAILED DESIGN.
- THIS DRAWING IS FOR REFERENCE ONLY AND SHOULD NOT BE USED FOR SETTING OUT PURPOSES.
- ALL WORKS IN WATERCOURSE WILL BE CARRIED OUT WITH CARE TO MINIMISE THE RISK OF POLLUTION AND ADHERING TO POLLUTION GUIDELINES.
- ALL WORKS AFFECTING FLOOD DEFENCES, MAIN WATERCOURSES AND/OR ORDINARY WATERCOURSE WILL BE SUBJECT TO CONSENT FOR PERMANENT AND TEMPORARY WORKS UNDER THE LAND DRAINAGE ACT 1991.
- SUBJECT TO:
 - DETAILED DRAINAGE AND LEVELS DESIGN
 - CULVERT HYDRAULIC AND STRUCTURAL ANALYSIS/DESIGN
 - GEOTECHNICAL ASSESSMENT
 - WATERCOURSE EMBANKMENT SLOPE STABILITY ANALYSIS
 - NECESSARY CONSENTS AND APPLICATION APPROVALS

SITE ADDRESS
TATA STEEL UK Ltd
PORT TALBOT
SA13 2NG
UNITED KINGDOM

DRAWING NOTES

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH:
P&C - OWC001 - EAF PROJECT - TATT3054 - REV A - 14TH JUNE 2024 V0.5
- NO SIGNIFICANT CHANGE IN CHANNEL CAPACITY EXPECTED WHEN INSTALLING PROPOSED CULVERTS COMPARED TO THAT OF THE EXISTING CHANNEL.
- GROUND LEVELS WERE TAKEN FROM A 3D TOPOGRAPHICAL SURVEY. SEE DRAWING P&C - OWC012 - EAF Project - TATT3054 - Rev A - 14th June 2024 v0.1 FOR FURTHER DETAILS.

LEGEND

- EXISTING GROUND LEVEL
- INDICATIVE GROUND LEVELS
- FLOW DIRECTION

P02	CHANNEL DIVERSION UPDATED	06/09/24	ES	FT	JP	GB
P01	FIRST DRAFT	12/06/24	ES	FT	JP	GB

Rev.	Description	Date	Author	Designer	Checker	Approver
------	-------------	------	--------	----------	---------	----------

Document Control					
Supplier			T: +44 (0)1756 699500 E: info@jbaconsulting.com		
1 Broughton Park Old Lane North Broughton SKOPTON BD23 3FD			www.jbaconsulting.com Twitter @JBAConsulting		

JBA
consulting

Project Title
TATA STEEL - WATERCOURSE DIVERSION

Drawing Title
SECTIONS AND DETAILS

TATA STEEL

Parent Model NOT FROM MODEL					
Security Classification OFFICIAL SENSITIVE			Scale AS SHOWN		
Author E Sherlock		Designer F Tomalin	Checker J Panesar		Approver G Baker
Suitability WORK IN PROGRESS				Status S0	Revision P01
Information Container P&C - OWC002 - EAF Project - TATT3054 - Rev A - 14th June 2024.dwg					

A1 Sheet Size