



ERI Limited

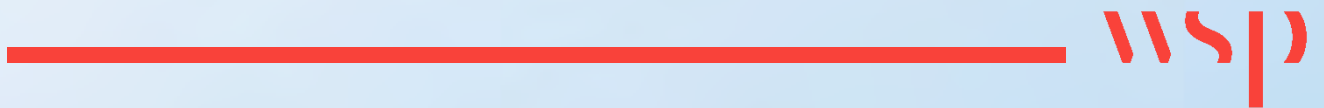
ENVIRONMENTAL IMPACT ASSESSMENT: VOLUME 2 - PLANS

Chapters 1 – 5: Introduction

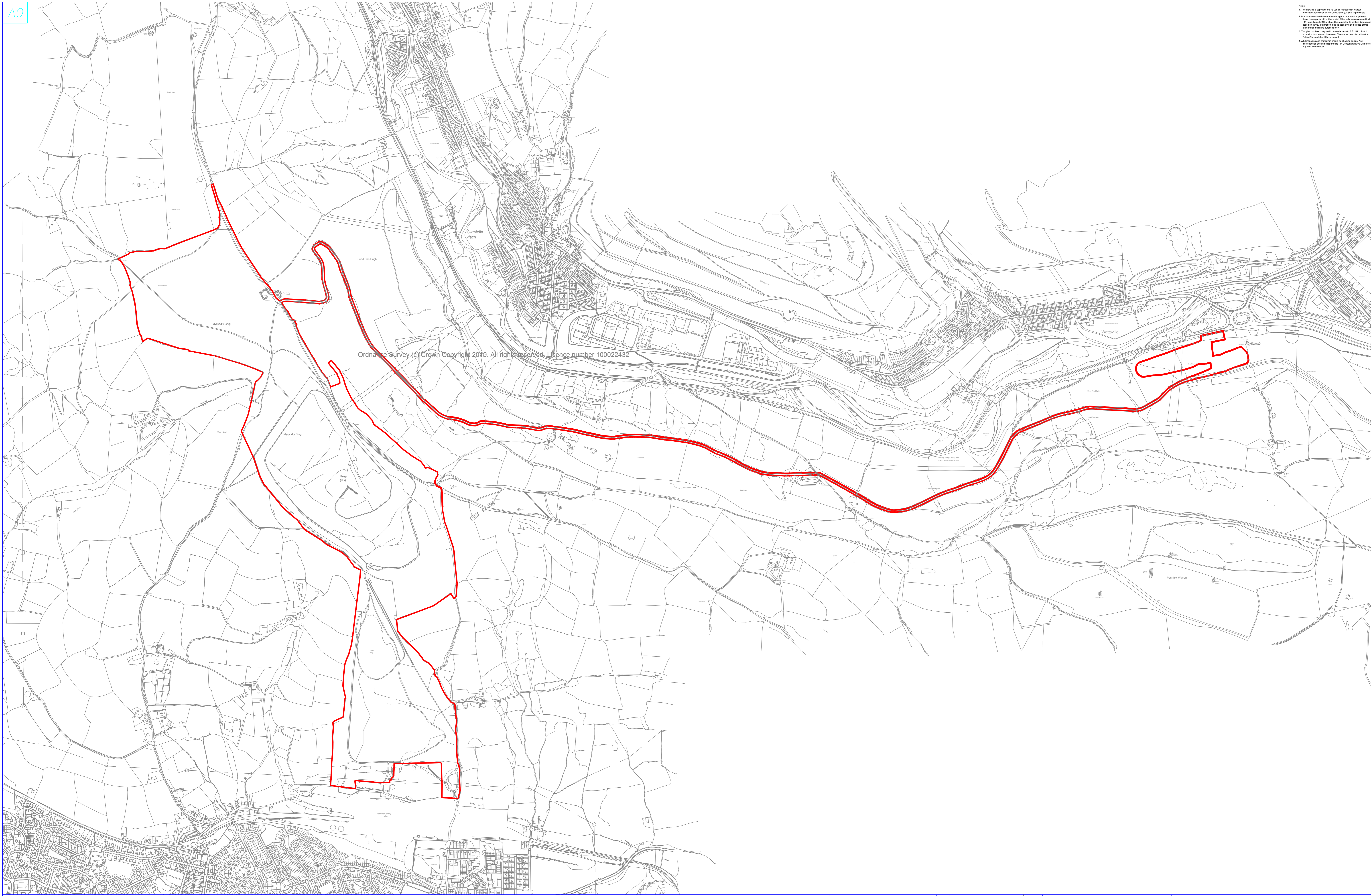


V2-S02/0001

RED LINE BOUNDARY PLAN

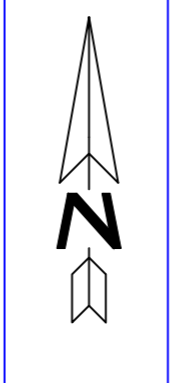


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ISSUE	REVISION	DATE
A	RED LINE AREA REVISED	31/10/23
B	HAUL RD EMBANKMENT AREA REVISED	01/11/23

Job: RED LINE PLAN Sheet 1 of 1
 BEDWAS LAND RECLAMATION SCHEME
 CAERPHILLY
 Scale: 1/5000
 Date: 22/11/23
 Drawn By: RF
 Checked By: NM
 Job Ref: ERI/RLP/005b
 Client: ENERGY RECOVERY INVESTMENTS
 ST MELLONS
 CARDIFF
 CF3 0EK



PM CONSULTANTS (UK) LTD
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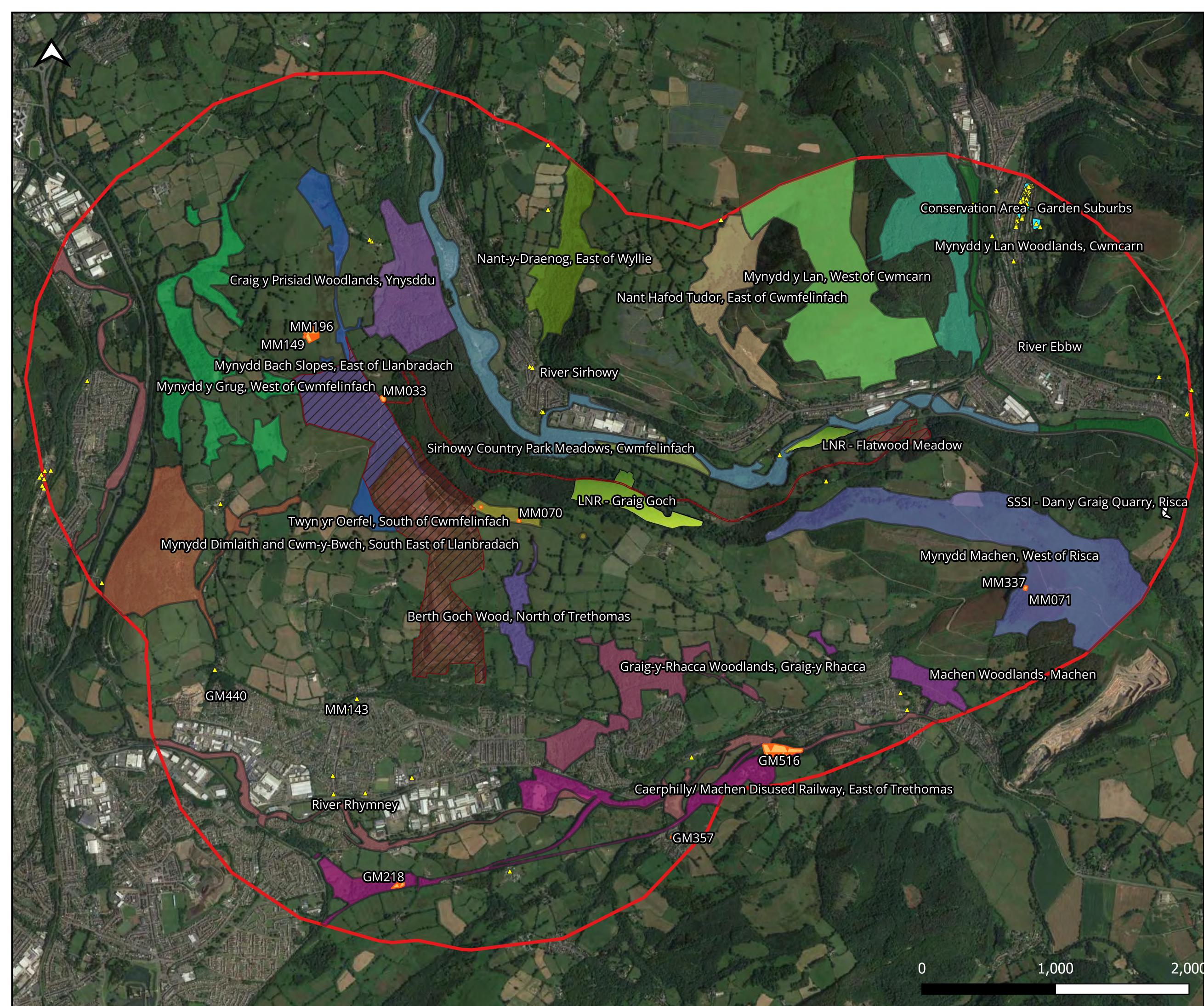
BUILDER'S PROFILE



V2-S03/0001

ENVIRONMENTAL CONSTRAINTS PLAN





- Legend**
- Scheme Area
 - 2km Radius
 - Listed Buildings**
 - II
 - II*
 - Heritage and Landscape**
 - Scheduled Monuments
 - Conservation Areas**
 - Conservation Area - Garden Suburbs
 - Ecology and Environment**
 - SSSI
 - Local Nature Reserve
 - SINC Sites**
 - Berth Goch Wood, N of Trethomas
 - Caerphilly/ Machen Disused Railway, E of Trethomas
 - Craig y Prisiad Woodlands, Ynysddu
 - Graig-y-Rhacca Woodlands, Graig-y Rhacca
 - Machen Woodlands, Machen
 - Mynydd Bach Slopes, E of Llanbradach
 - Mynydd Dimlaith & Cwm-y-Bwch, SE of Llanbradach
 - Mynydd Machen, W of Risca
 - Mynydd y Grug, W of Cwmfelinfach
 - Mynydd y Lan Woodlands, Cwmcarn
 - Mynydd y Lan, W of Cwmcarn
 - Nant Hafod Tudor, E of Cwmfelinfach
 - Nant-y-Draenog, East of Wyllie
 - River Ebbw
 - River Rhymney
 - River Sirhowy
 - Sirhowy Country Park Meadows, Cwmfelinfach
 - Twyn yr Oerfel, S of Cwmfelinfach

Purpose of issue
S0 - Work In Progress

Classification
Public

Client
ENERGY RECOVERY INVESTMENTS

Project
BEDWAS TIPS RECLAMATION

Drawing Title
ENVIRONMENTAL CONSTRAINTS PLAN

Drawn NP Checked RD Approved GP

Project No	Date	Scale	Size
62300457	November 2023	1:5,000	A3

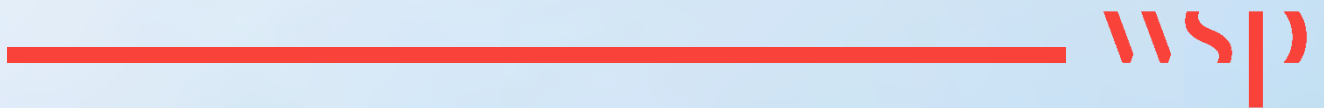
Drawing identifier: Revision: P01

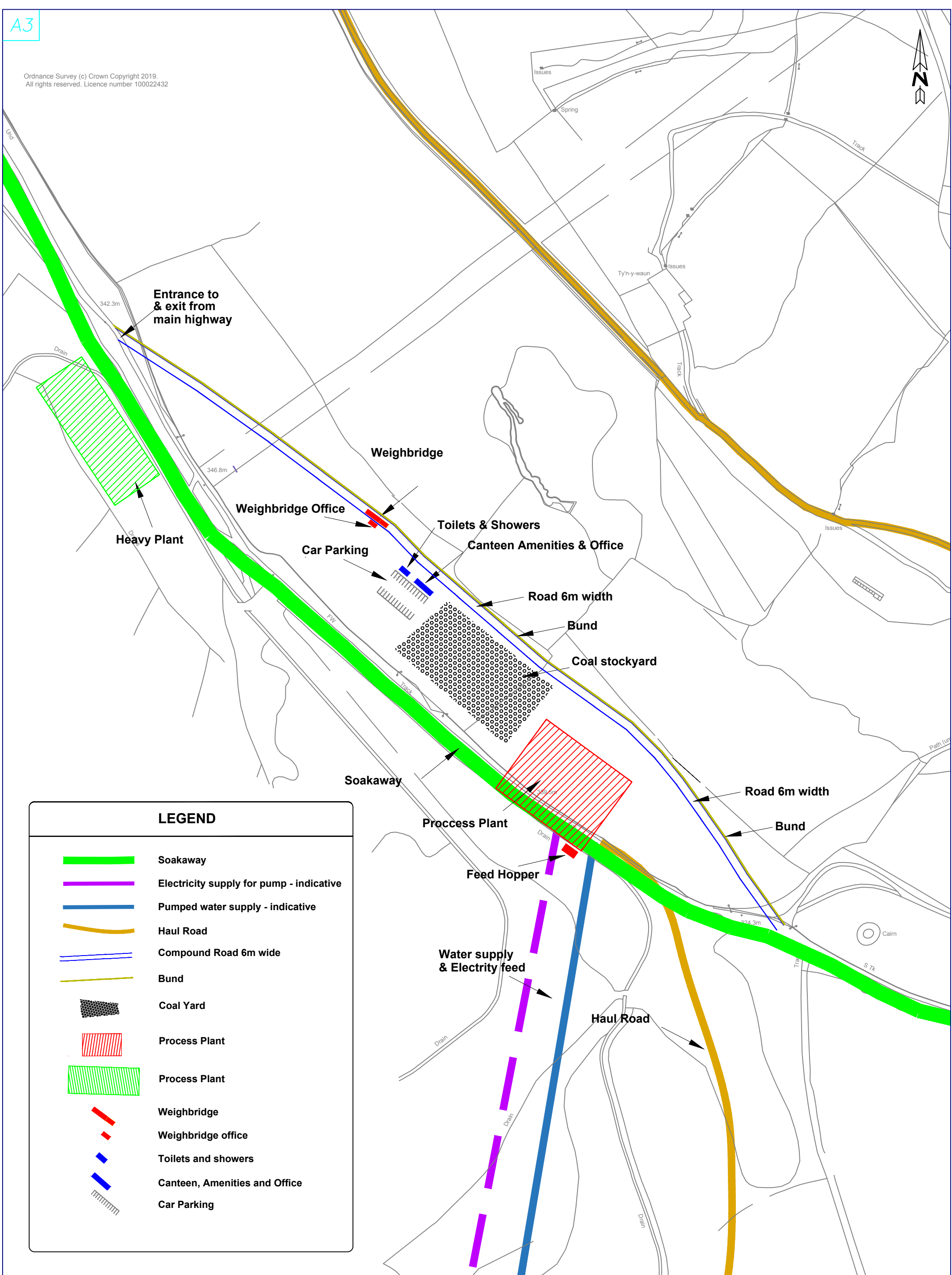
Figure XX



V2-S03/0002

PROCESS PLANT AND AMENITIES PLAN





LEGEND

- Soakaway
- Electricity supply for pump - indicative
- Pumped water supply - indicative
- Haul Road
- Compound Road 6m wide
- Bund
- Coal Yard
- Process Plant
- Process Plant
- Weighbridge
- Weighbridge office
- Toilets and showers
- Canteen, Amenities and Office
- Car Parking

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BUILDER'S
PROFILE

Job: **PROCESS PLANT & AMENITIES
BEDWAS LAND RECLAMATION SCHEME, CAERPHILLY**

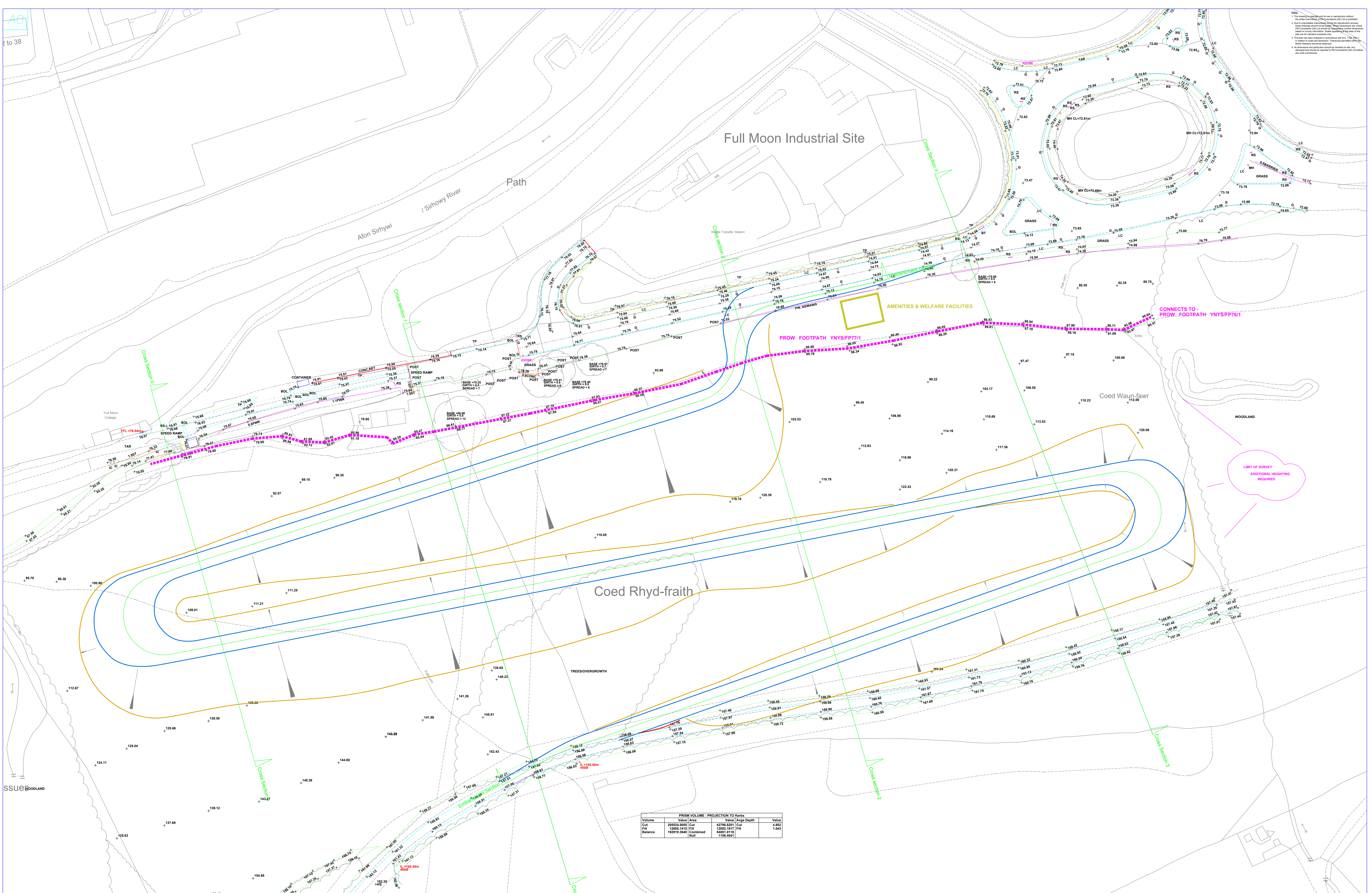
Client: **ENERGY RECOVERY INVESTMENTS
ST MELLONS, CARDIFF, CF3 0EK**

Drawn By: **RF** Date: **16/11/23** Scale: **1/2500** Drg No: **PPA/001**

V2-S03/0003

PROPOSED HAUL ROAD LAYOUT





Notes:
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 2. The client is responsible for ensuring that the construction process complies with all relevant regulations and standards.
 3. This plan has been prepared in accordance with BS 1191:2019 in relation to scale and dimensions. Dimensions are given to the centre of lines unless otherwise stated.
 4. All dimensions and positions shall be checked on site. Any discrepancies shall be reported to the Consultant immediately.

PRISM VOLUME - PROJECTION TO Kerbs			
Volume	Value	Area	Value
Cut	205524.0000	Cut	42788.8200
Fill	1266514.1017	Fill	1266514.1017
Balance	192219.3640	Combined	1156.0461

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<p>KEY</p> <ul style="list-style-type: none"> 38.02 SPOT LEVEL TAR FB FLOWER BED HS HANDSTANDING BOL BOLLARD TW TOP OF WALL RS ROAD SIGN TWL TOP WATER LEVEL INSV INVERT LEVEL FH FIRE HYDRANT BT BRITISH TELECOM CATV CABLE TV TACT TACTILE PAVING 	<ul style="list-style-type: none"> TS TRAFFIC SIGNAL TSC TRAFFIC SIGNAL CONTROLLER IC INSPECTION COVER MH MANHOLE MP MARKER POST TP TELEGRAPH POLE LC LIGHTING COLUMN G GULLY WM WATER METER SV SLUCE VALVE BT BRITISH TELECOM OV GAS VALVE FFL FINISHED FLOOR LEVEL 	<ul style="list-style-type: none"> CONC CONCRETE ROP RAINWATER PIPE SW SOL VENT PIPE FWS FOG WATER W WATERSTOP TAP STAY STAYWIRE SNP STREET NAMEPLATE 	<ul style="list-style-type: none"> 1.0 BR WALL (WITH DESCRIPTION & HEIGHT) 2.0 PR FENCE (WITH DESCRIPTION & HEIGHT) HEDG HEDGEROW TREE CANOPY BUILD BUILDING LINE CHANN CHANNEL/BERM LINE TOP TOP/BOTTOM OF BANK SOFT SOFT EDGE ON VENE EDGE HARD HARD EDGE OVER OVERHEAD LINE GATE
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NOTES:

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ISSUE	REVISION	DATE

JOB: HAUL ROAD DOWN EMBANKMENT 1 of 1
BEDWAS LAND RECLAMATION SCHEME
CAERPHILLY

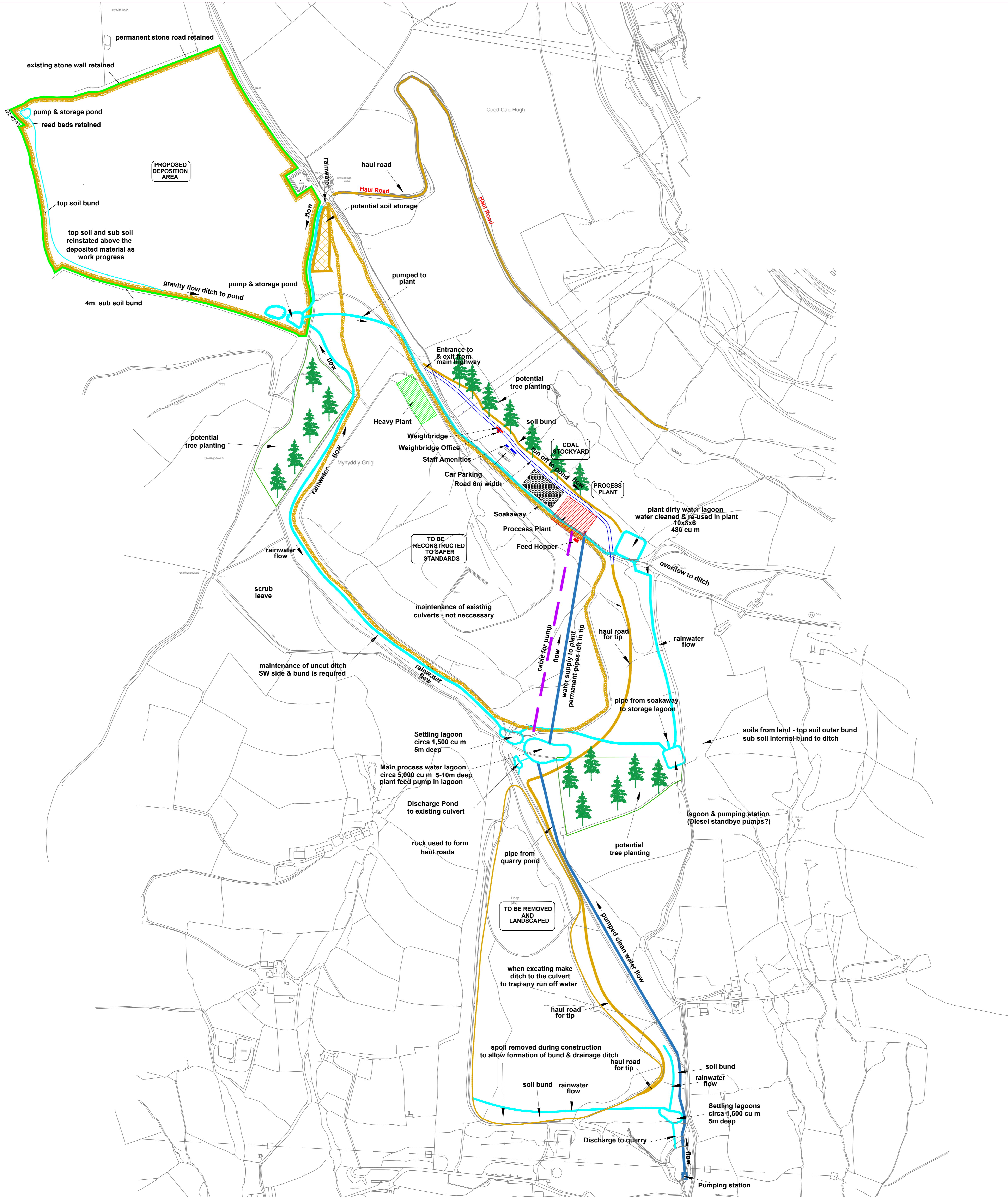
Scale: 1/500 Date: 15/08/23 Drawn By: RF Checked By: NM Job Ref: ERI/FHR/009

Client: ENERGY RECOVERY INVESTMENTS
CARDIFF
CF3 0EQ

V2-S03/0004

OPERATION SITE PLAN



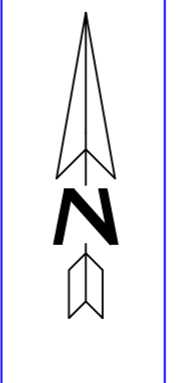


LEGEND

- Soakaway
- Rain water
- Cable for pump
- Pumped water supply
- Haul Road
- Lagoon
- Coal Yard
- Process Plant
- Planting
- Potential soil storage
- Heavy Plant
- Other features annotated as required

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ISSUE	REVISION	DATE

Job: **PROPOSED HAUL ROAD BEDWAS LAND RECLAMATION SCHEME CAERPHILLY**

Scale:	Date:	Drawn By:	Checked By:	Job Ref.:
NTS	11/12/23	RF	NM	ERI/HRA/02

Client: **ENERGY RECOVERY INVESTMENTS ST MELLONS CARDIFF CF3 0EK**

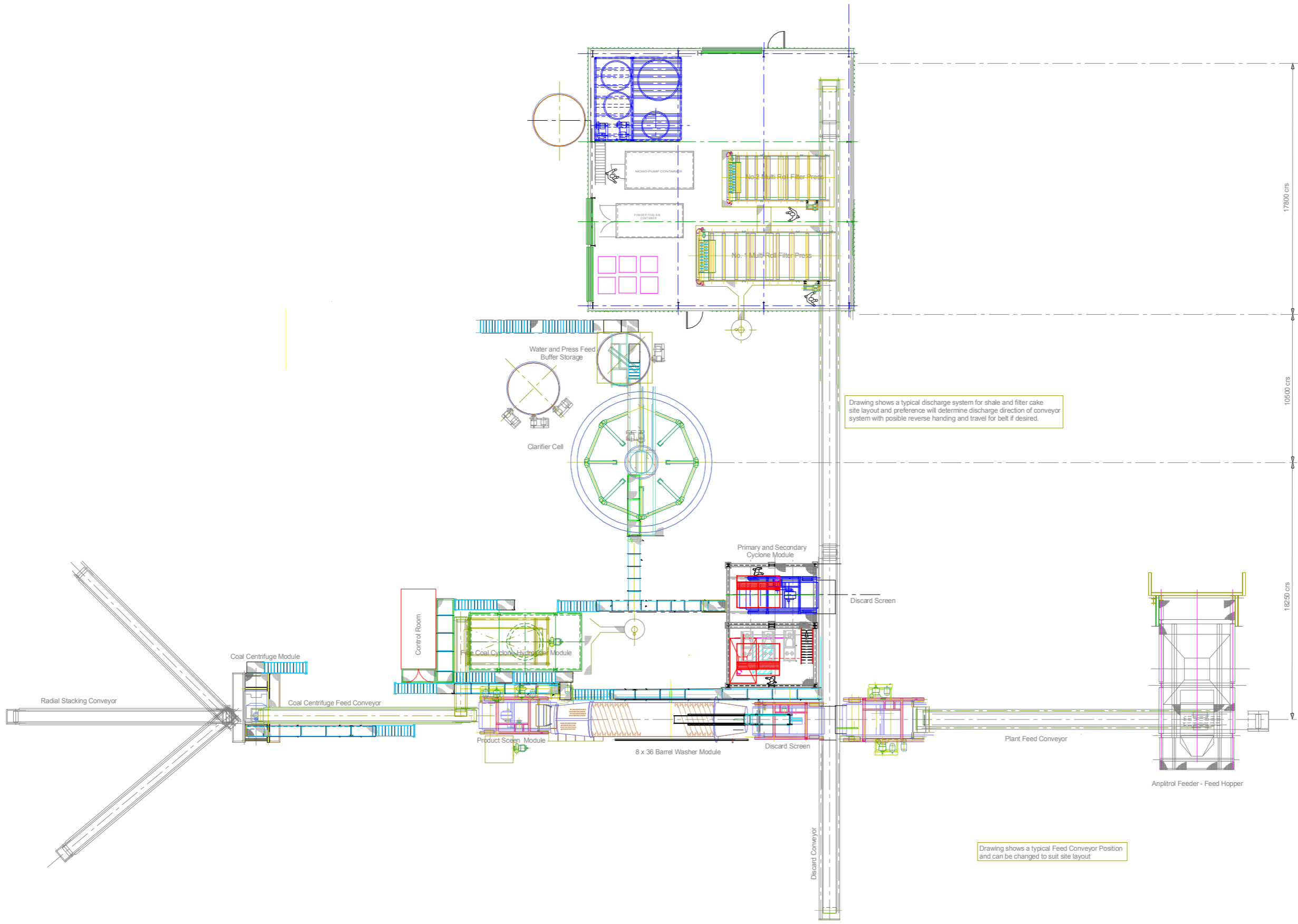
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V2-S03/0005

400TPH PLANT LAYOUT

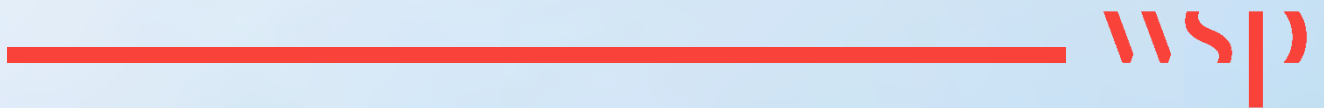


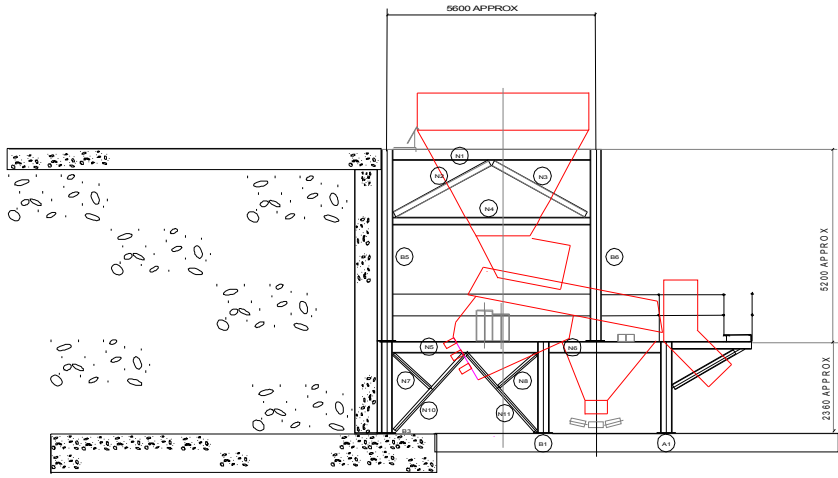


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TMEA	Date	2706/2012	Scale
Description			
Layout for 500tph Cyclone Plant,			
			

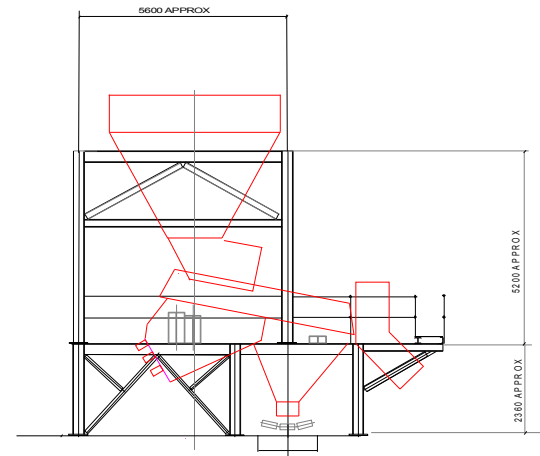
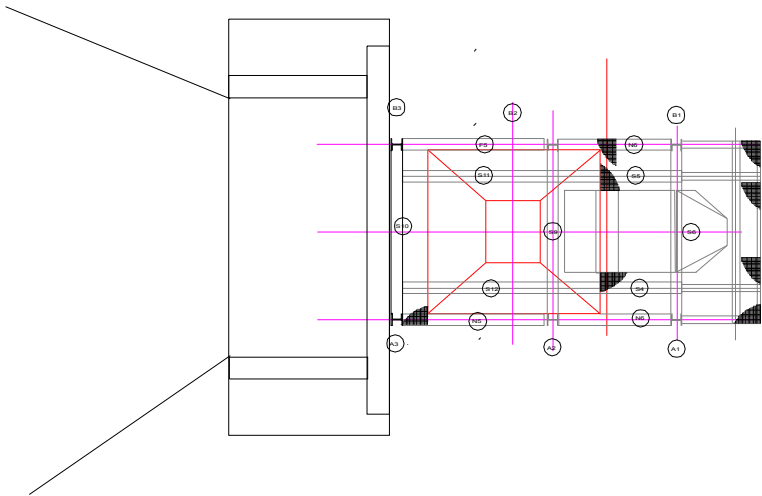
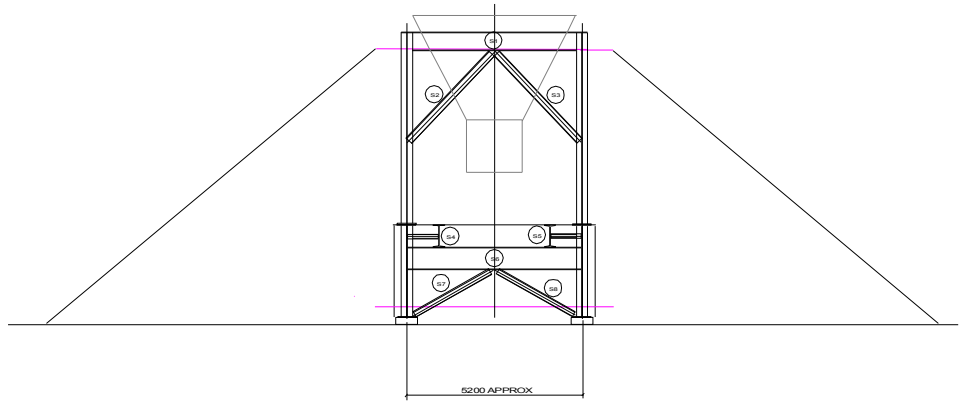
V2-S03/0006


ARRANGEMENT OF FEEDER WITH RETAINING WALL





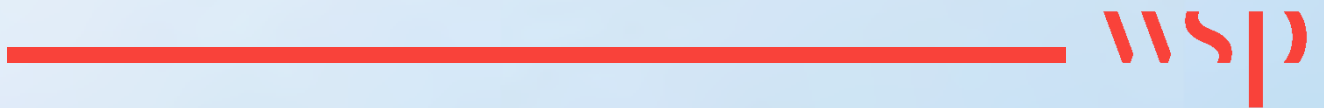
Typical Ramp Profile



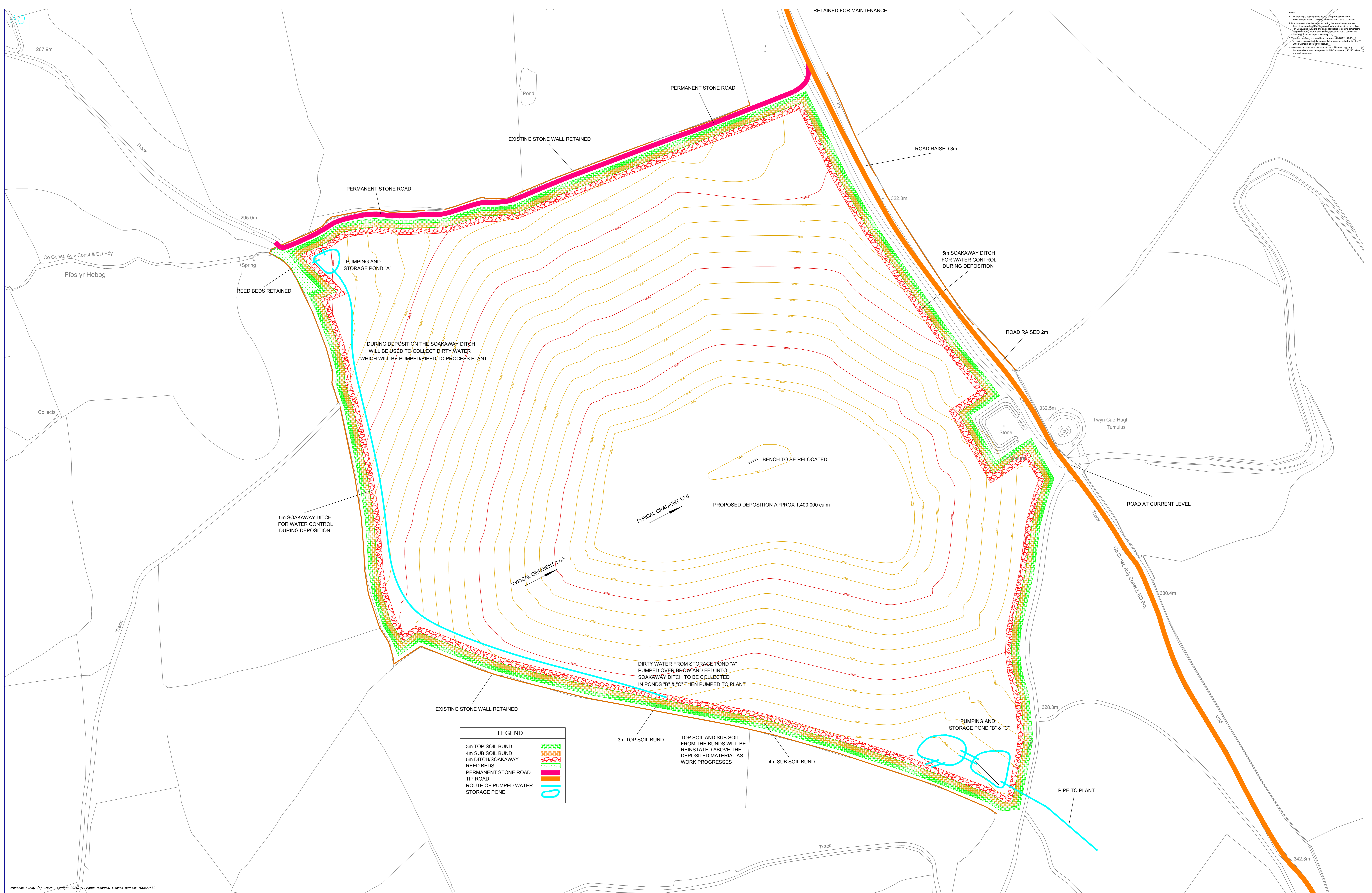
Drawing	110313/1		
T/MEA	Date	11-03-2013	Scale
Description			
Layout for Ampitrol Feeder Ramp.			
			

V2-S03/0007

PROPOSED LAYOUT OF DEPOSITION LANDFORM

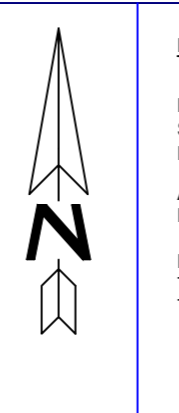


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LEGEND

3m TOP SOIL BUND	
4m SUB SOIL BUND	
5m DITCH/SOAKAWAY	
REED BEDS	
PERMANENT STONE ROAD	
TIP ROAD	
ROUTE OF PUMPED WATER	
STORAGE POND	



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ISSUE	REVISION	DATE

PROPOSED LAYOUT DEPOSITION AREA (COMMON LAND) BEDWAS LAND RECLAMATION
 Scale: 1/1000 Date: 14/11/23 Drawn By: RF Checked By: NM Job Ref: BLR/DA/002
 Client: ENERGY RECOVERY INVESTMENTS ST MELLONS CARDIFF, CF3 0EK

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BUILDERS PROFILE

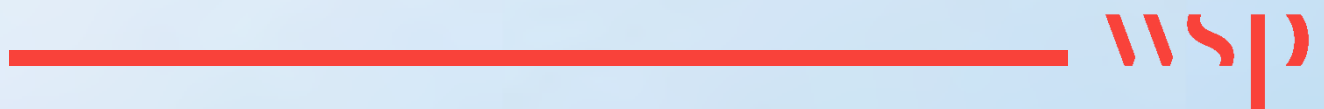
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PRESENTATION OF DEPOSITION AND TIP RECONSTRUCTION

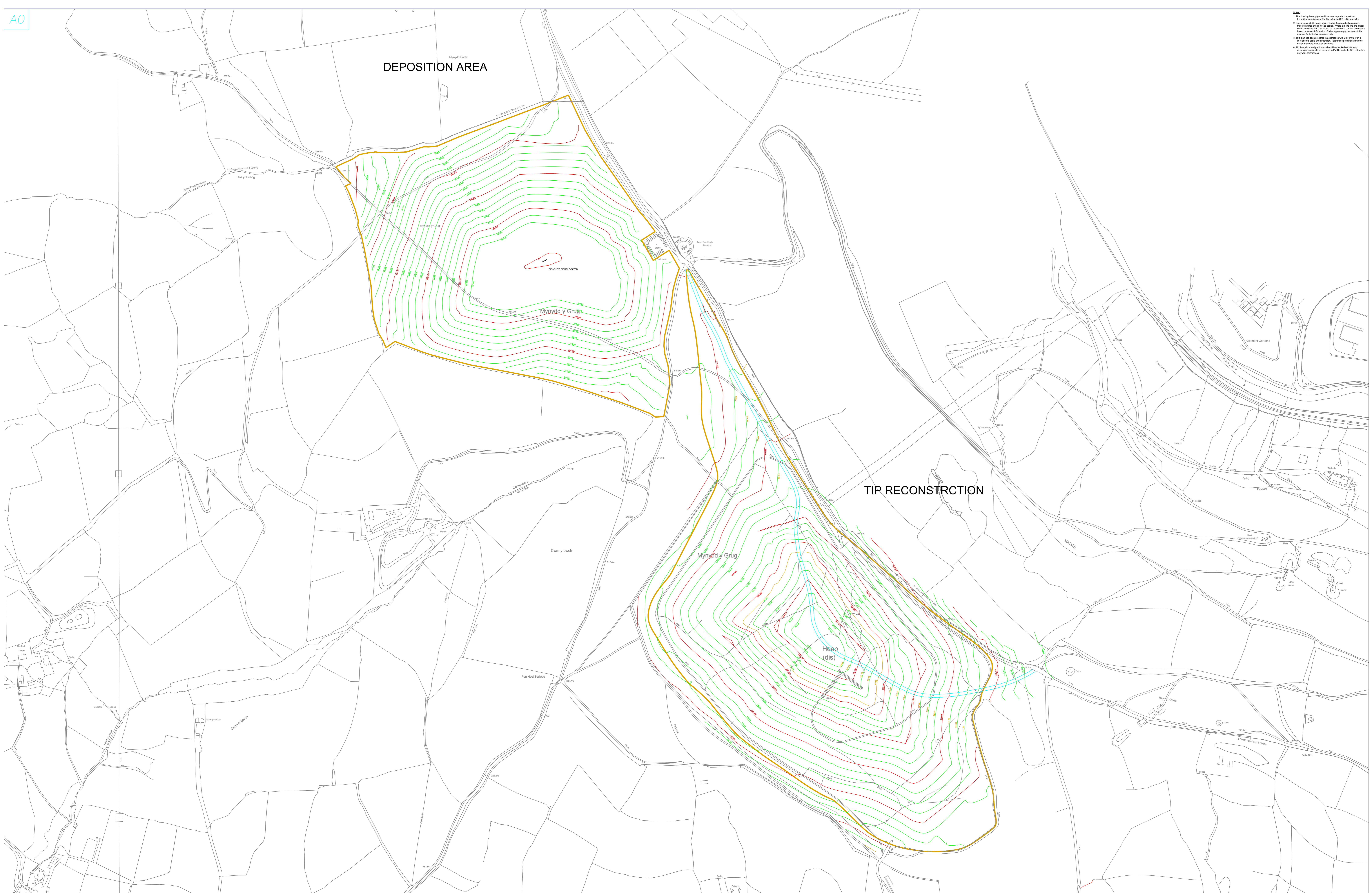


NOTE:

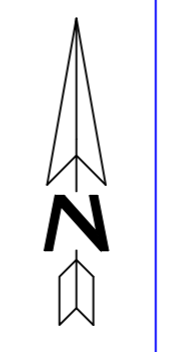
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DEPOSITION AREA

TIP RECONSTRUCTION



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ISSUE	REVISION	DATE

Job: PROPOSED CONTOURS
TIP RECONSTRUCTION & DEPOSITION
BEDWAS LAND RECLAMATION SCHEME
CAERPHILLY

Scale: NTS **Date:** 11/12/23 **Drawn By:** RF **Checked By:** NM **Job Ref.:** ER/BP/004

Client: ENERGY RECOVERY INVESTMENTS
ST MELLONS
CARDIFF
CF3 0EK

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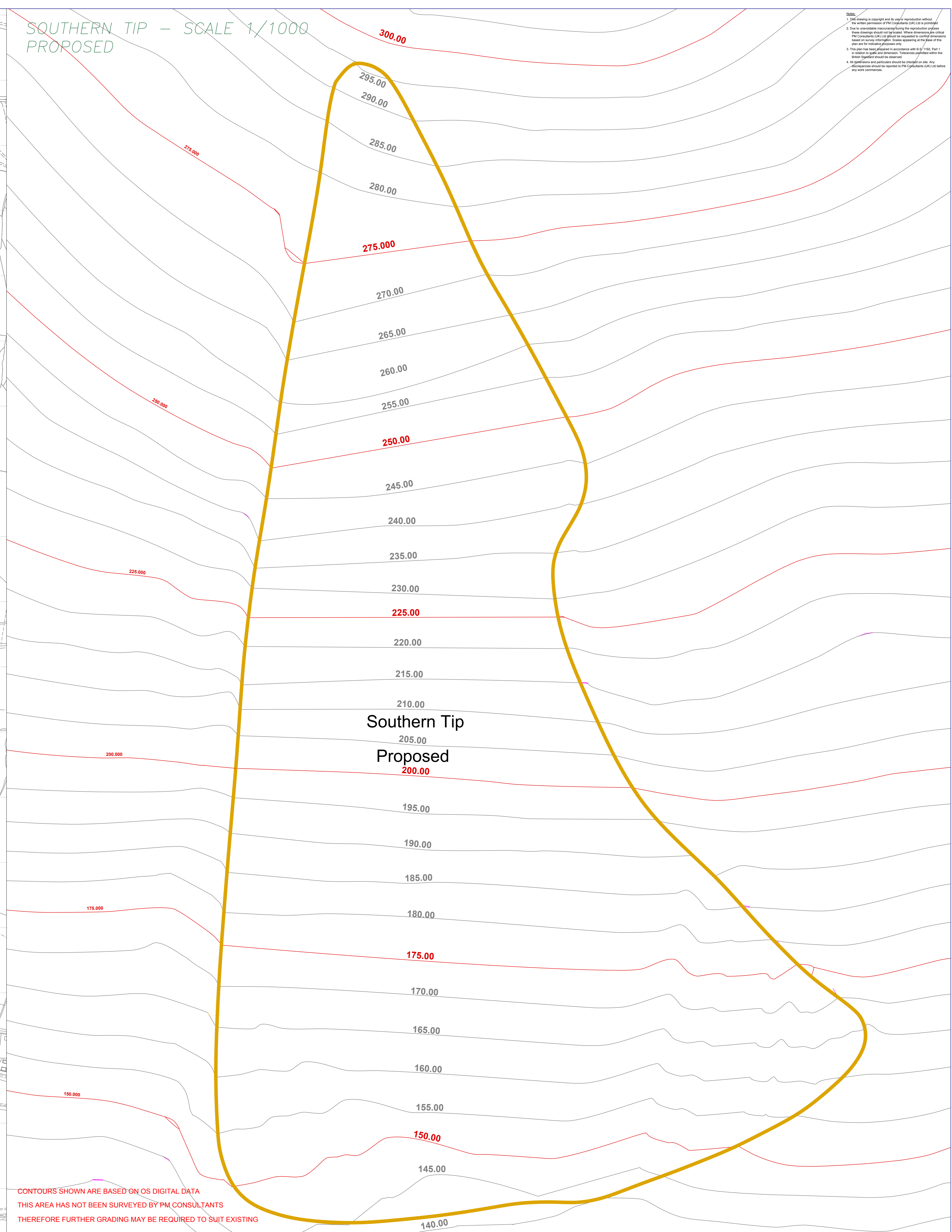
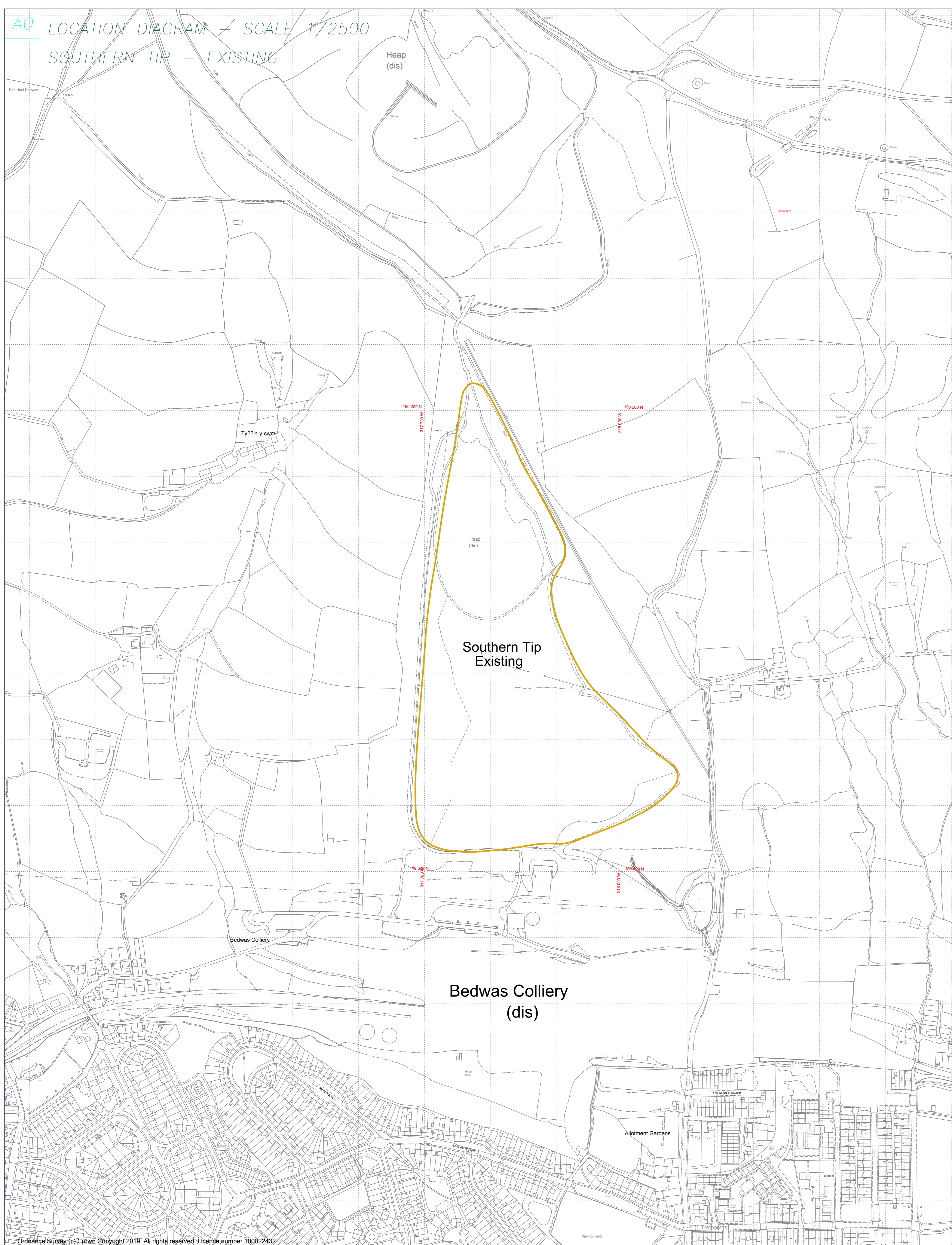
BULDER'S PROFILE



V2-S03/0009

TIP 1 PROPOSED CONTOURS

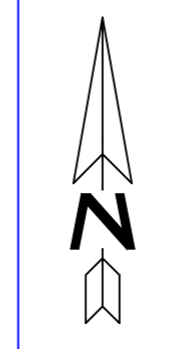




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ISSUE	REVISION	DATE

Job: SOUTHERN TIP - PROPOSED OS DATA WITH FINISHED CONTOURS BEDWAS LAND RECLAMATION SCHEME CAERPHELLY
Scale: OS shown 13/11/23 Date: RF Drawn By: NM Checked By: ERI/OSD/011
Client: ENERGY RECOVERY INVESTMENTS ST MELLONS CARDIFF CF3 0EK

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