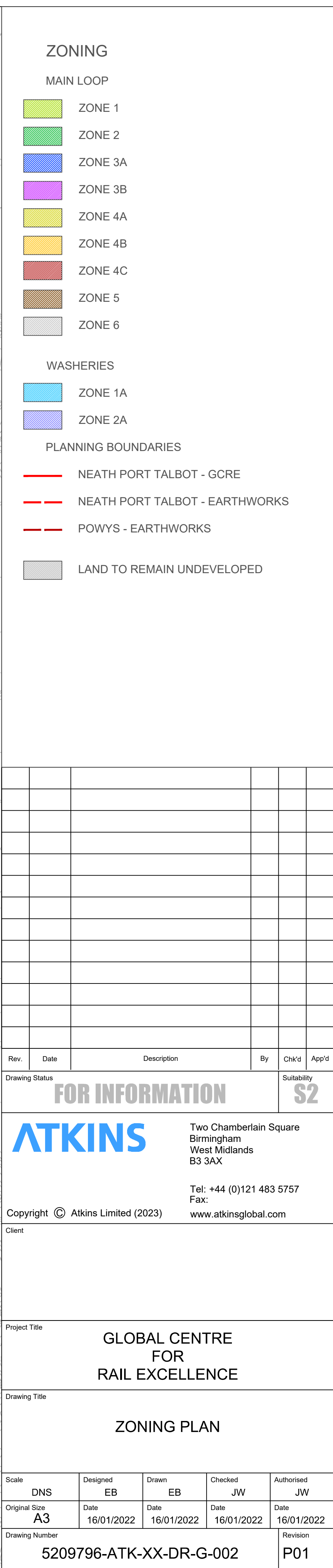
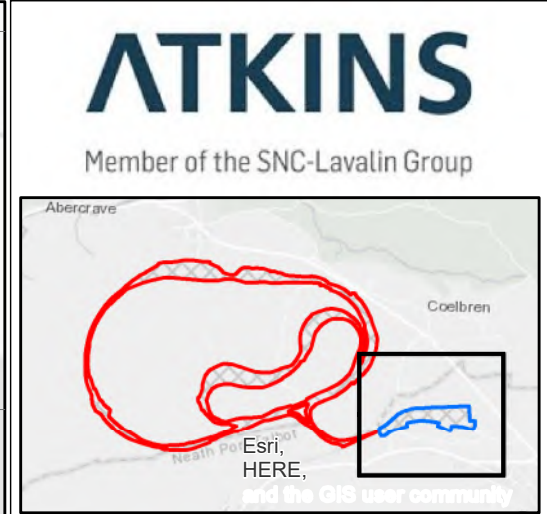
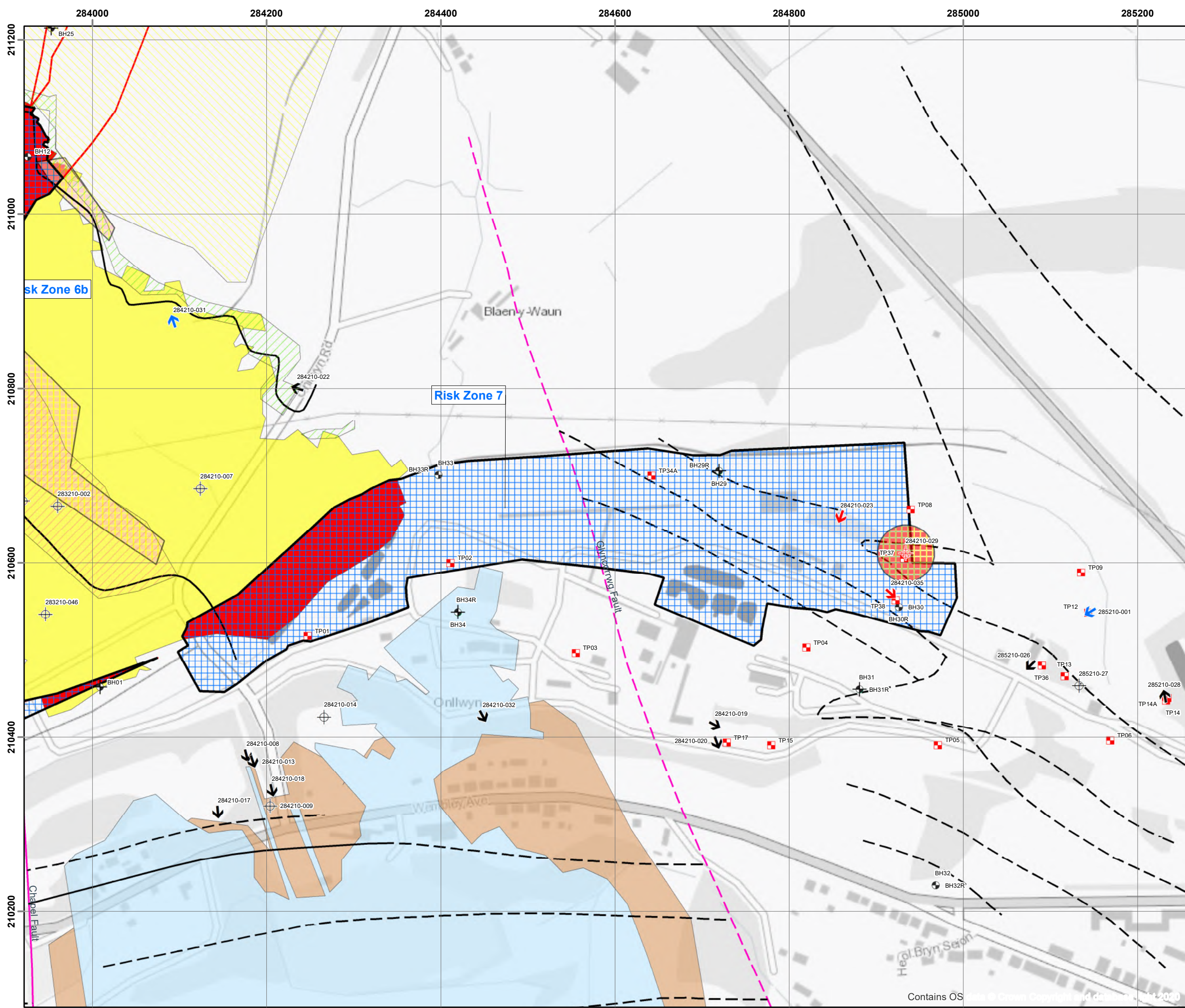






Legend

	Mining Risk Zones (MRZs)		Recorded shallow mine workings beneath the proposed alignment and Washery Area
	Recorded adit		Abercrave Big underground working
	Recorded adit entry point within the site		Onllwyn Bluers underground working
	Recorded adit dipping beneath the site		Onllwyn Brass underground working
	Recorded adit mouth likely extracted but roadway in-situ		Abercrave Black underground working
	Recorded shaft		Abercrave Four Feet underground working
	Recorded shaft within the site		Abercrave White underground working
	Recorded shaft within 30 m of the site		Cwmtawe Bryn underground working
	Rotary core borehole		Duffryn Bluers underground working
	Rotary open borehole		Dulais Peacock underground working
	Cable percussion borehole		International Four Feet underground working
	Trial pit		Onllwyn - Peacock opencast (1946-1949)
	Potential collapse risk zones for mine shafts		Onllwyn - Nine Feet opencast (1946-1949)
	Coal seam, inferred (BGS)		Abercrave/Gwaunton opencast (1963-1973)
	Coal seam, observed (BGS)		Onllwyn opencast (1972-1982)
	Normal fault, inferred (BGS)		Nant Helen opencast (1986-1999)
	Normal fault, observed (BGS)		Nant Helen Extension opencast (2002-2019)
	Washery Area - Phase 1A Boundary (Arup, 2022)		
	Proposed GCRC Alignment		
	Evidence for bell pits		

NOTES

- Do not scale from this drawing.
- This drawing is not intended for design.
- The 'Washery Phase 1A Boundary' was derived from the Phase 1A Boundary shown on the 'Phase 1A Proposed Finished Levels' drawing by Arup (Drawing No. CG3500).

Coordinate System: British National Grid

1	DRAFT FOR ISSUE	HW	09/06/2022	PA	KP	-
VER	DESCRIPTION	BY	DATE	CHK'D	REVW	AUTH

CLIENT:
GCRC Co Ltd

PROJECT:
Global Centre for Rail Excellence

TITLE:
Overview of Mining Hazards (MRZ 7)

SCALE: 1:4,000	ORIGINATOR: HW	CHECKED: PA	REVIEWED: KP	AUTHORISED: -
SIZE: A3	DATE: 09/06/2022	DATE: 16/06/2020	DATE: 16/06/2022	DATE: -

STATUS: DRAFT DRAWING NO: 5209796-MRR-DWG005 VER: 1

KEY

Plan View

- Mining Risk Zones (MRZs)
- Washery Area - Phase 1A
- Boundary (Arup, 2022)
- Proposed GCRE Alignment

Recorded opencast Workings

- Onllwyn - Peacock opencast (1946-1949)
- Onllwyn - Nine Feet opencast (1946-1949)
- Abercrave/Gwaunton opencast (1963-1973)
- Onllwyn opencast (1972-1982)
- Nant Helen opencast (1986-1999)
- Nant Helen Extension opencast (2002-2019)

Recorded Mine Entries

- Adit
- Adit entry point within the site
- Adit dipping beneath the site
- Adit mouth likely extracted but roadway in-situ
- Shaft
- Shaft within the site
- Shaft within 30 m of the site

Exploratory Holes

- Rotary cored
- Rotary open
- Cable percussion
- Trial pit

Cross Section

- Mining Risk Zones (MRZs)
- Recorded opencast fill
- Superficial cover (artificial and natural)
- Interpreted bedrock
- Peat
- Made Ground
- Glacial Till
- Bedrock
- Coal
- Void
- Recorded mine working

Faults and Linear Features

- Coal seam, inferred
- Coal seam, observed
- Normal fault, inferred
- Normal fault, observed
- Evidence for bell pitting

Recorded Underground Workings

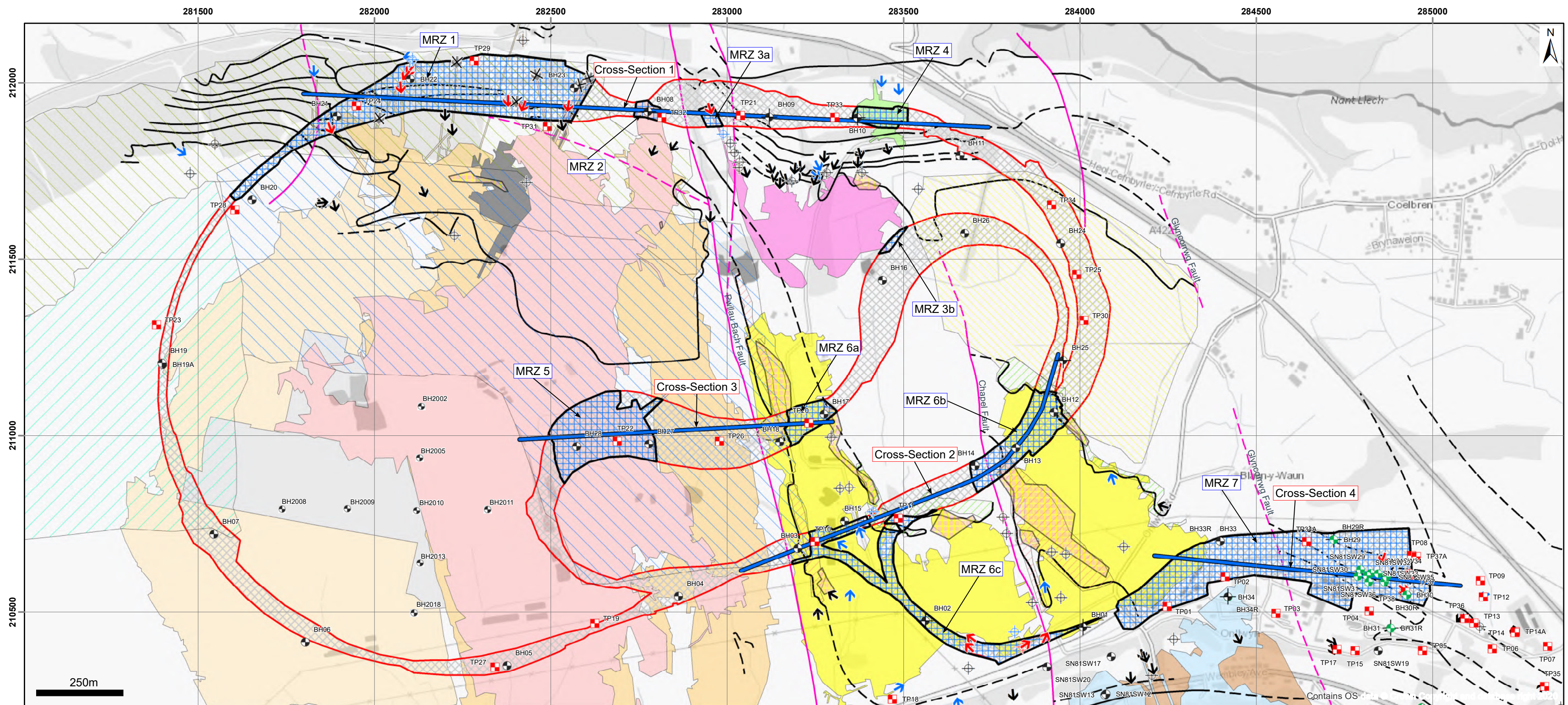
- Abercrave Big
- Onllwyn Bluers
- Onllwyn Brass
- Abercrave Black
- Abercrave Four Feet
- Abercrave White
- Cwmtawe Bryn
- Duffryn Bluers
- Dulais Peacock
- International Four Feet

Symbols

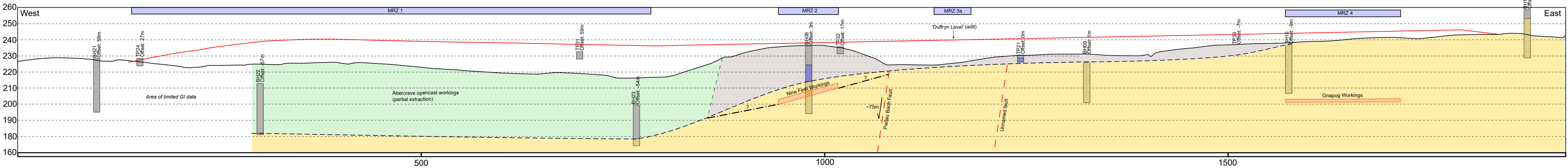
- Existing ground surface
- Proposed ground surface
- Interpreted rockhead
- Interpreted boundary of opencast area
- Interpreted coal seam
- Recorded fault
- Recorded mine working
- Fault displacement

NOTES

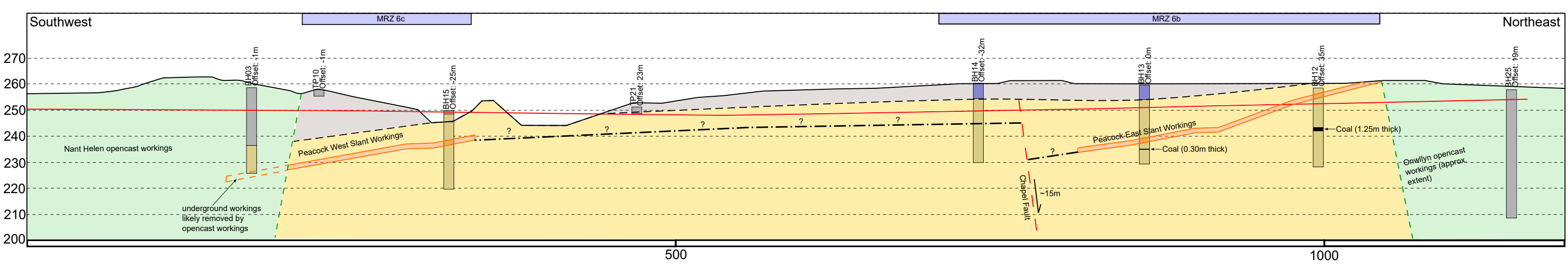
- This drawing and its contents have been prepared and are intended solely as information for GCRE Co. Ltd and use in relation to the Atkins GIR for the earthworks design and associated Mining Risk Review Document. Atkins Limited assumes no responsibility to any other party in respect of or arising out of or in connection with this drawing and/or its contents.
- Do not scale from this drawing.
- This drawing is not intended for design.
- This drawing and the cross-sections included therein represent an interpretation of the ground conditions on site from a limited ground investigation dataset. The true ground conditions may vary from those shown in this drawing.
- The levels of the recorded mine workings were approximated based on the mine abandonment plans available to Atkins at the time of origination. Atkins conservatively assumed that the levels shown on the mine abandonment plans represent the base of the mine workings.
- The ground investigation (GI) data includes the GI by Quantum Geotech (2021/22) and relevant holes provided by Celtic Energy and made available through the BGS Geotindex.
- The interpreted coal seam levels and interpreted rockhead levels are indicative only. The true levels of coal seams are likely to vary across the site in accordance with the variable dip of the bedrock.



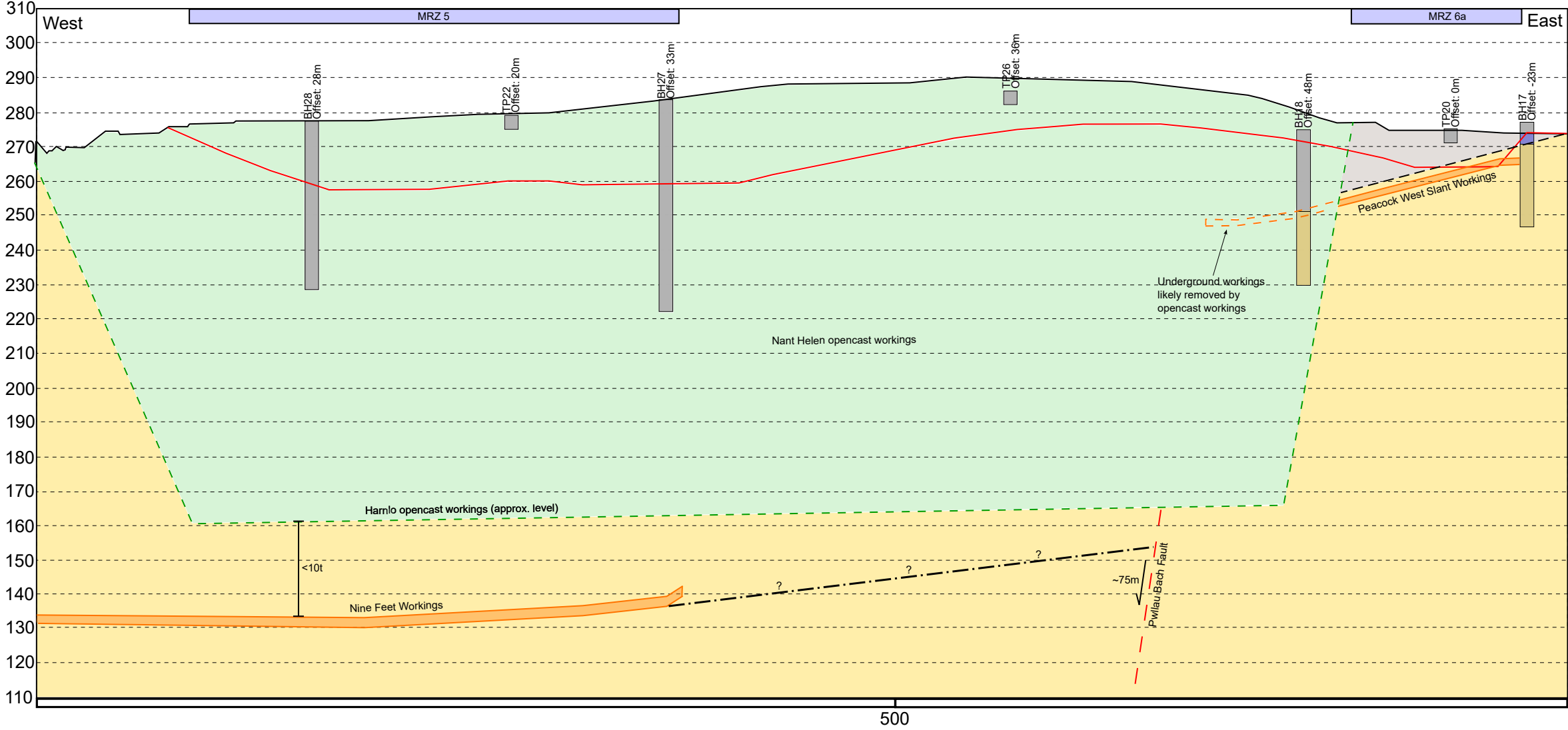
CROSS-SECTION 1



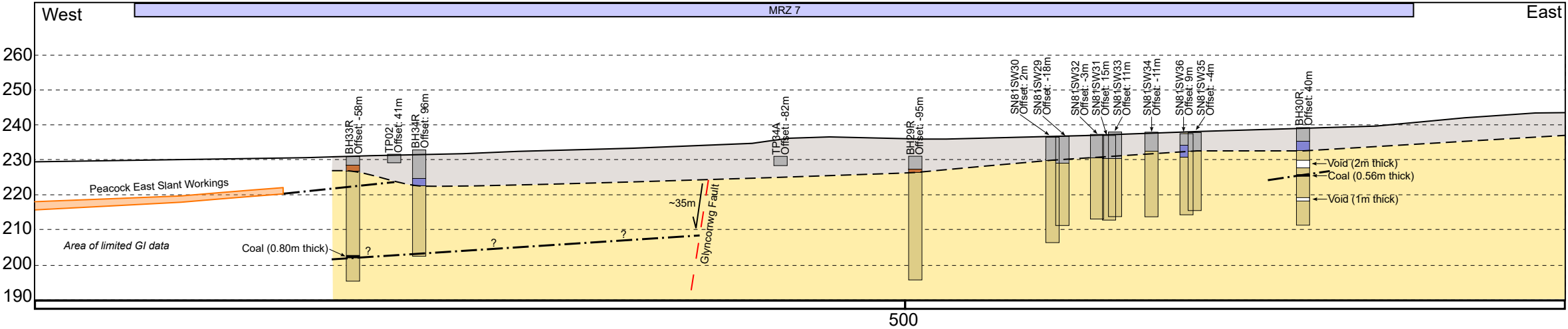
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CROSS-SECTION 3

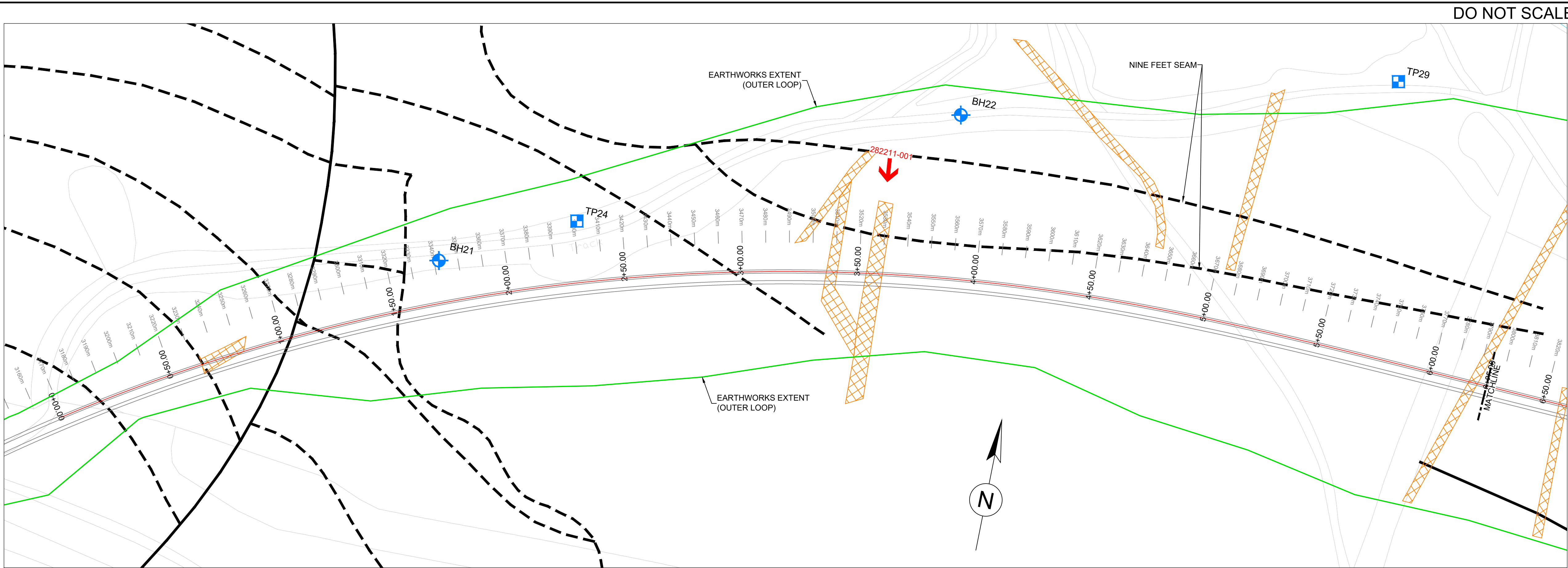


CROSS-SECTION 4



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GCRC Co Ltd						
PROJECT:						
Global Centre of Rail Excellence						
TITLE:						
Mine Workings Cross Sections						
SCALE:	ORIGINATOR:	CHECKED:	REVIEWED:	AUTHORISED:		
N/A	HW	PA	KP			
SIZE:	DATE:	DATE:	DATE:	DATE:		
A1	16/06/2022	16/06/2022	16/06/2022			
STATUS:	DRAWING NO.:					VER:
DRAFT	5209796-MRR-DWG006					1

100
10
0
Millimetres



PLAN: OUTER LOOP NORTH EMBANKMENT
CHAINAGE 0+00 - 6+25m
1:1000

PROFILE LEGEND:

- EXISTING GROUND LEVEL
- EXISTING ROCKHEAD
- PROPOSED EARTHWORKS FORMATION
- APPROXIMATE BASE OF MINE WORKINGS
- ADIT (Estimated Location From Available Information)
- ADIT (Elevation Unknown - No Elevation Data)
- OVERBURN: OPENCAST FILL
- OVERBURN: MADE GROUND

BOREHOLE LEGEND:

- SUPERFICIAL AND ARTIFICIAL
- BEDROCK
- COAL
- NO RECOVERY

LEGEND:

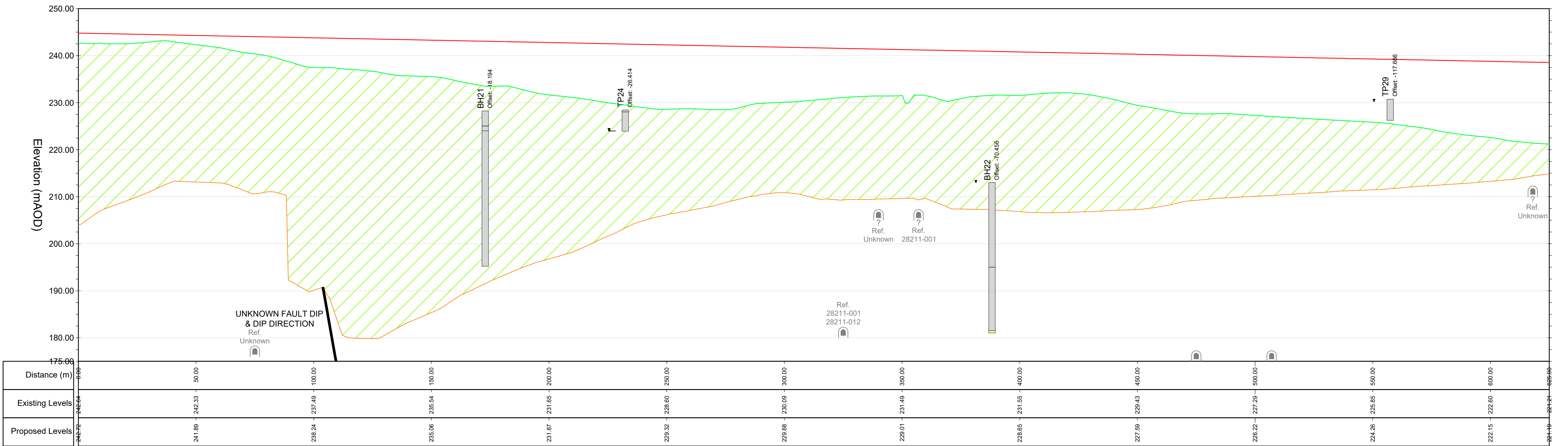
- MINE TREATMENT: DRILL AND GROUT
- MINE TREATMENT: EXCAVATE AND REPLACE
- ADIT PORTAL REQUIRING TREATMENT
- CENTRELINE OF LONGITUDINAL SECTION
- GEOLOGICAL FAULT
- COAL SEAM
- SHAFT NOT REQUIRING TREATMENT
- SHAFT REQUIRING TREATMENT

PRELIMINARY GROUND INVESTIGATION

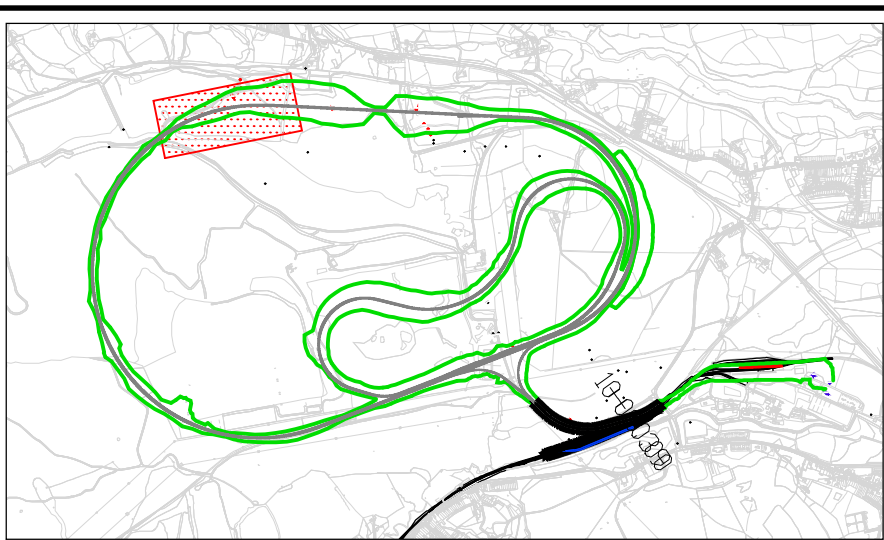
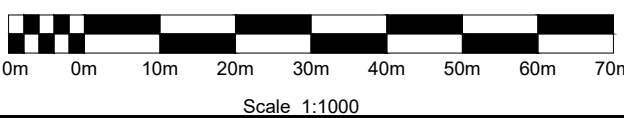
- BOREHOLE
- TRIAL PIT

COMPLETED ADDITIONAL GROUND INVESTIGATION - STAGE 1

- BOREHOLE
- TRIAL PIT



LONGITUDINAL SECTION: OUTER LOOP NORTH EMBANKMENT
CHAINAGE 0+00 - 6+25m
1:1000 HORIZ, 1:500 VERT



KEY PLAN

NOTES

- DRAWINGS TO BE READ IN CONJUNCTION WITH DESIGN INPUT STATEMENT INCLUDED IN THE GEOTECHNICAL DESIGN REPORT, MINE REMEDIATION PLANS (GCRE001-AWJV-00-XX-DR-GE-00021 TO 00028) AND THE SPECIFICATION FOR REMEDIATION OF WORKINGS.
- THE CONTRACTOR SHALL OBTAIN A COAL AUTHORITY PERMIT AND RELEVANT APPROVALS PRIOR TO UNDERTAKING WORKS.
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- THE 'APPROXIMATE BASE OF MINE WORKINGS' SURFACE WAS DERIVED USING ELEVATION ANNOTATIONS ON THE MINE ABANDONMENT PLANS. THESE VALUES ARE APPROXIMATE AND ASSUMED TO REPRESENT THE CURRENT PAVEMENT LEVEL OF THE MINE WORKINGS.
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- SCHEME-SPECIFIC EXPLORATORY HOLE RECORDS WERE CONDUCTED BY QUANTUM GEOTECH IN 2021/22 AND PROVIDED BY ARUP. THE OPEN ACCESS EXPLORATORY HOLE RECORDS WERE FROM THE BGS.
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SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following:

CONSTRUCTION

- Collapse of known mine-workings and/or mine entries.
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- Contaminated mine water may be present within workings.
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MAINTENANCE/CLEANING

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DECOMMISSIONING/DEMOLITION

It is assumed that all works will be carried out by a competent contractor working, where appropriate, to an approved method statement

Rev.	Date	Description	By	Chk'd	App'd
P01.01	---	PRELIMINARY	---	---	---

Drawing Status	Suitability
Initial non-contractual code	S0

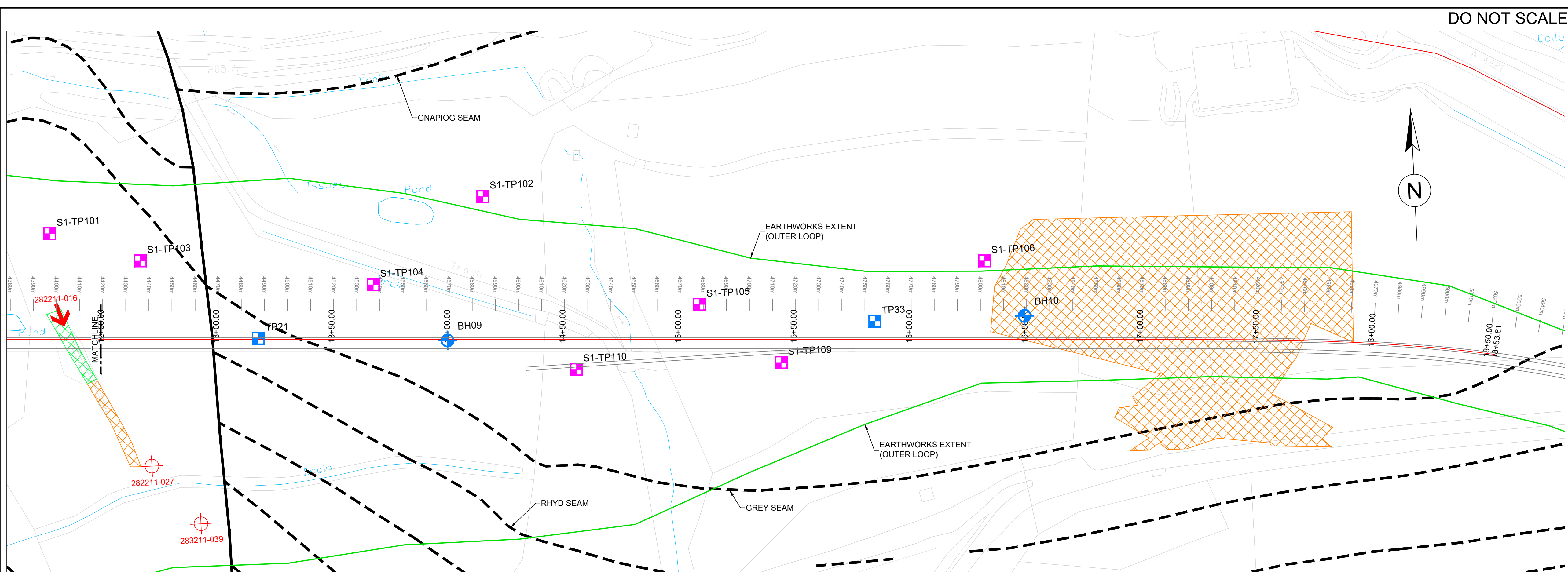


Project Title
GLOBAL CENTRE OF RAIL EXCELLENCE

Drawing Title
MINING WORKINGS REMEDIATION
PLAN AND PROFILE
SHEET 1 OF 8

Scale	Drawn	Checked	Approved	Authorised
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Original Size	Date	Date	Date	Date
A1	--/--/---	---	---	---
Drawing Number				Revision
GCRE001-AWJV-EW-XX-DR-GE-04001				P01.01

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Millimetres



PLAN: OUTER LOOP NORTH EMBANKMENT
CHAINAGE 12+50 - 18+53.81m
1:1000

PROFILE LEGEND:

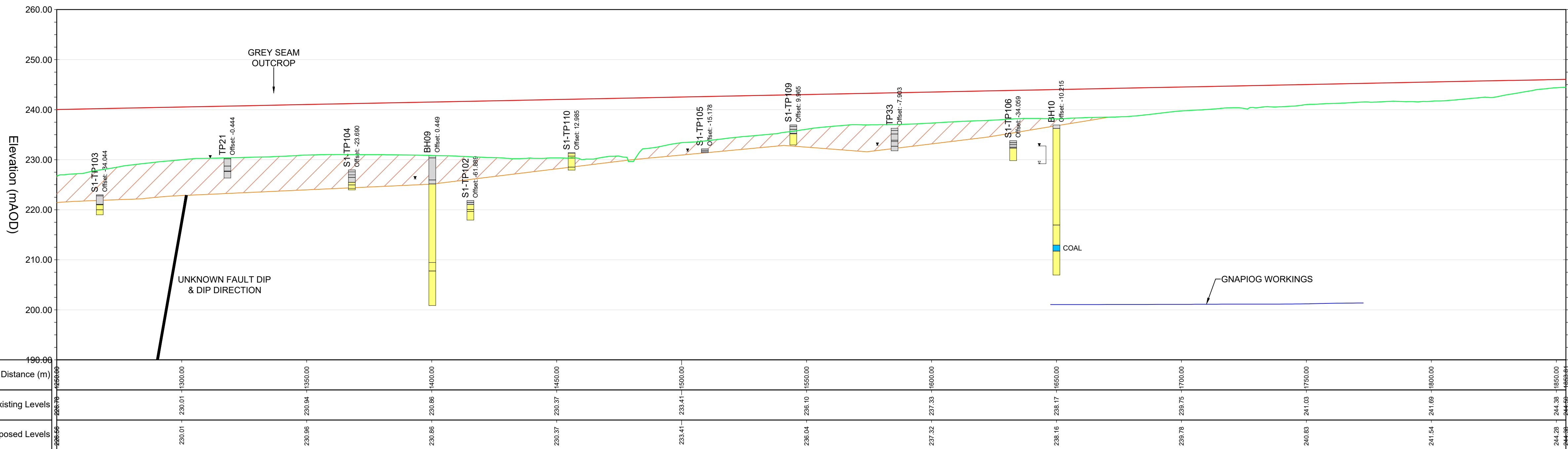
- EXISTING GROUND LEVEL
- EXISTING ROCKHEAD
- PROPOSED EARTHWORKS FORMATION
- APPROXIMATE BASE OF MINE WORKINGS
- ADIT (Estimated Location From Available Information)
- ADIT (Elevation Unknown - No Elevation Data)
- OVERBURN: OPENCAST FILL
- OVERBURN: MADE GROUND

BOREHOLE LEGEND:

- SUPERFICIAL AND ARTIFICIAL
- BEDROCK
- COAL
- NO RECOVERY

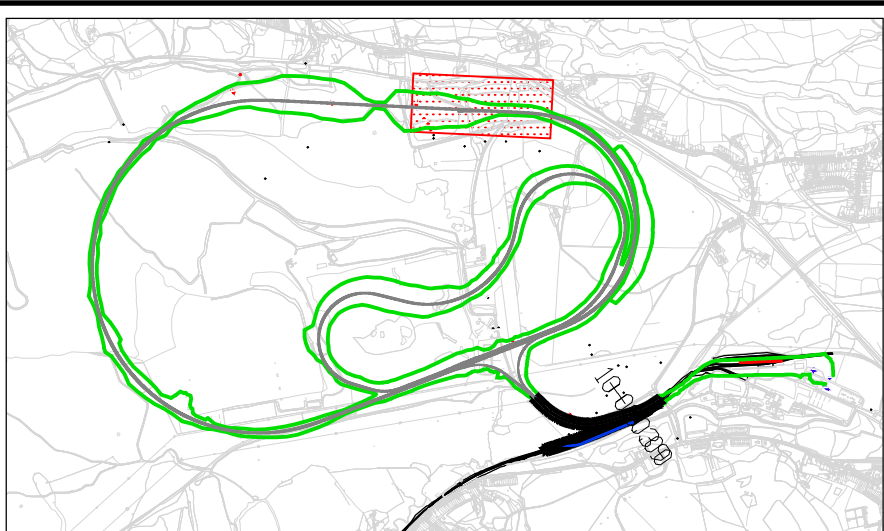
LEGEND:

- MINE TREATMENT: DRILL AND GROUT
- MINE TREATMENT: EXCAVATE AND REPLACE
- ADIT PORTAL REQUIRING TREATMENT
- PRELIMINARY GROUND INVESTIGATION: BOREHOLE, TRIAL PIT
- COMPLETED ADDITIONAL GROUND INVESTIGATION - STAGE 1: BOREHOLE, TRIAL PIT
- CENTRELINE OF LONGITUDINAL SECTION
- GEOLOGICAL FAULT
- COAL SEAM
- SHAFT NOT REQUIRING TREATMENT
- SHAFT REQUIRING TREATMENT



LONGITUDINAL SECTION: OUTER LOOP NORTH EMBANKMENT
CHAINAGE 12+50 - 18+53.81m
1:1000 HORIZ, 1:500 VERT

DO NOT SCALE



KEY PLAN

NOTES

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Rev.	Date	Description	By	Chk'd	App'd
P01.01	---	PRELIMINARY	---	---	---

Initial non-contractual code

WALTERS | ATKINS

Client

GCRE

Global Centre of Rail Excellence
Canolfan Fyd-Eang Rhagoriaeth Rheilffyrdd

Project Title

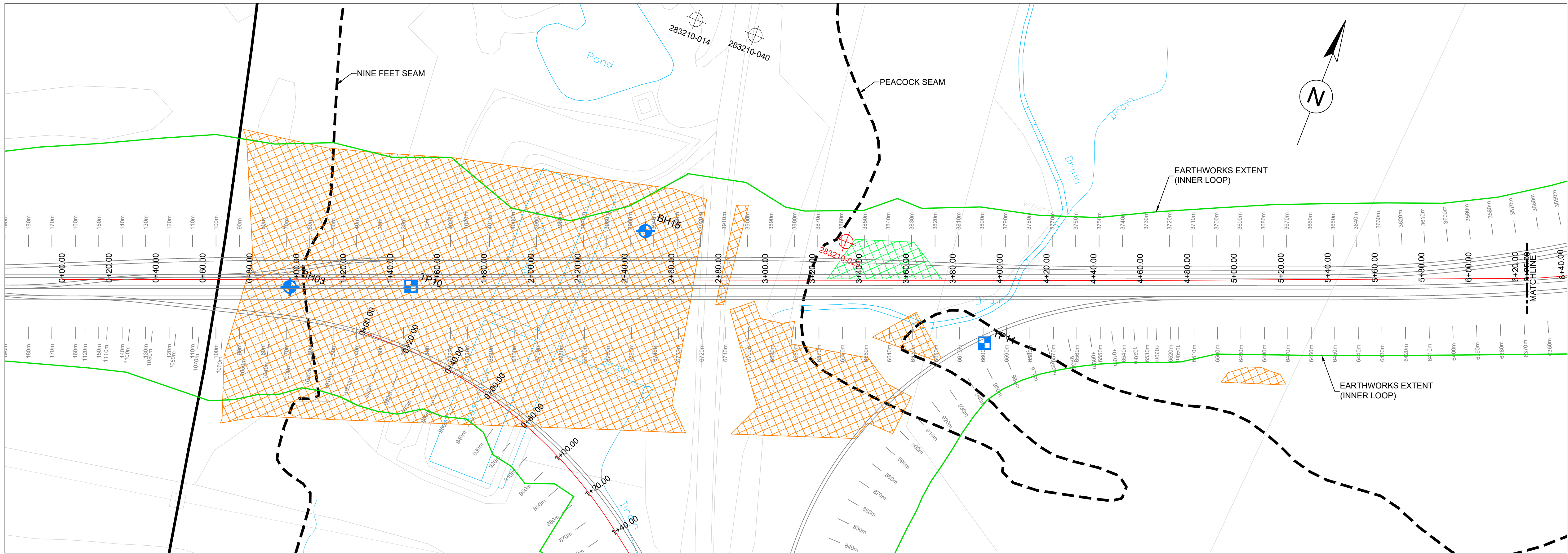
GLOBAL CENTRE OF RAIL EXCELLENCE

Drawing Title

**MINING WORKINGS REMEDIATION
PLAN AND PROFILE
SHEET 3 OF 8**

Scale	Drawn	Checked	Approved	Authorised
1:1000	---	---	---	---
Original Size	Date	Date	Date	Date
A1	--/--	---	---	---
Drawing Number				Revision
GCRE001-AWJV-EW-XX-DR-GE-04003				P01.01

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Millimetres



PLAN: INNER LOOP SOUTH
CHAINAGE 0+00 - 6+25m
1:1000

PROFILE LEGEND:

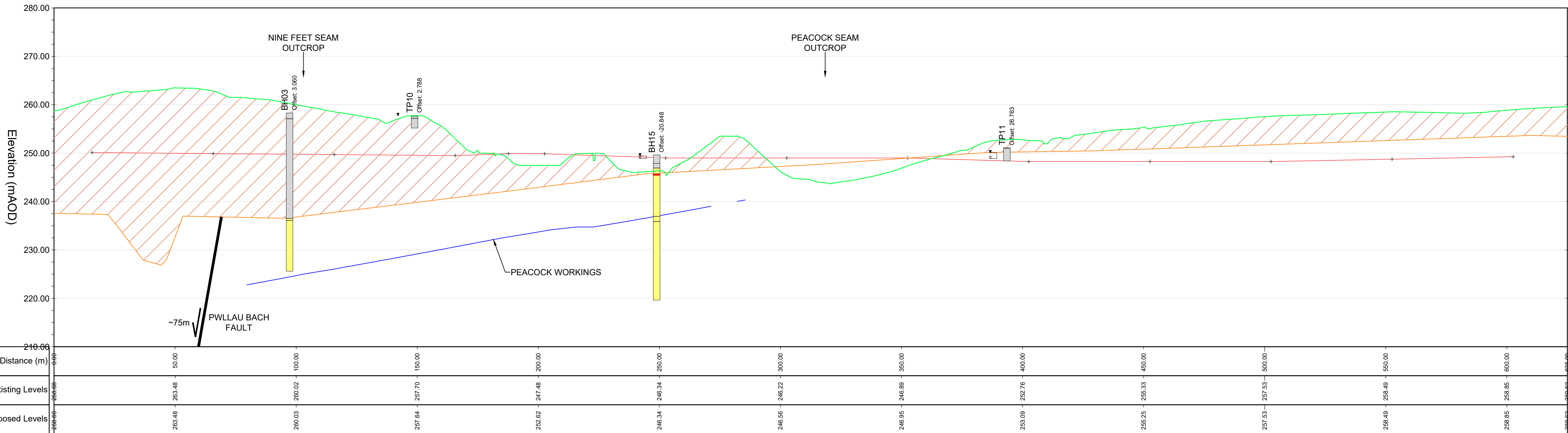
- EXISTING GROUND LEVEL
- EXISTING ROCKHEAD
- PROPOSED EARTHWORKS FORMATION
- APPROXIMATE BASE OF MINE WORKINGS
- OVERBURN: OPENCAST FILL
- OVERBURN: MADE GROUND

BOREHOLE LEGEND:

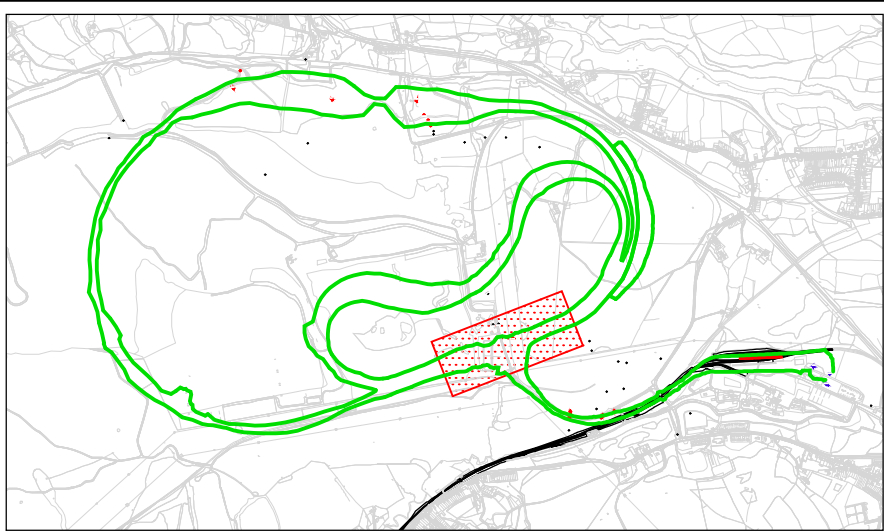
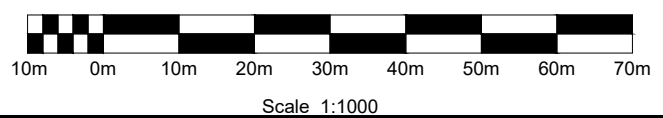
- SUPERFICIAL AND ARTIFICIAL
- BEDROCK
- COAL
- NO RECOVERY

LEGEND:

- MINE TREATMENT: DRILL AND GROUT
- MINE TREATMENT: EXCAVATE AND REPLACE
- ADIT PORTAL REQUIRING TREATMENT
- PRELIMINARY GROUND INVESTIGATION: BOREHOLE, TRIAL PIT
- COMPLETED ADDITIONAL GROUND INVESTIGATION - STAGE 1: BOREHOLE, TRIAL PIT
- CENTRELINE OF LONGITUDINAL SECTION
- GEOLOGICAL FAULT
- COAL SEAM
- SHAFT NOT REQUIRING TREATMENT
- SHAFT REQUIRING TREATMENT



LONGITUDINAL SECTION: INNER LOOP SOUTH
CHAINAGE 0+00 - 6+25m
1:1000 HORIZ, 1:500 VERT



KEY PLAN

NOTES

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Rev.	Date	Description	By	Cnk'd	App'd
P01.01	---	PRELIMINARY	---	---	---

Initial non-contractual code	S0
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WALTERS | ATKINS

Client

GCRE

Global Centre of Rail Excellence
Canolfan Fyd-Eang Rhagoriaeth Rheilffyrdd

Project Title

GLOBAL CENTRE OF RAIL EXCELLENCE

Drawing Title					
MINING WORKINGS REMEDIATION PLAN AND PROFILE SHEET 5 OF 8					
Scale	Drawn	Checked	Approved	Authorised	
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Original Size	Date	Date	Date	Date	
A1	--/--/---	---	---	---	
Drawing Number				Revision	
GCRE001-AWJV-EW-XX-DR-GE-04005				P01.01	

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Millimetres



PLAN: INNER LOOP SOUTH
CHAINAGE 0+00 - 10+18.62m
1:1000

PROFILE LEGEND:

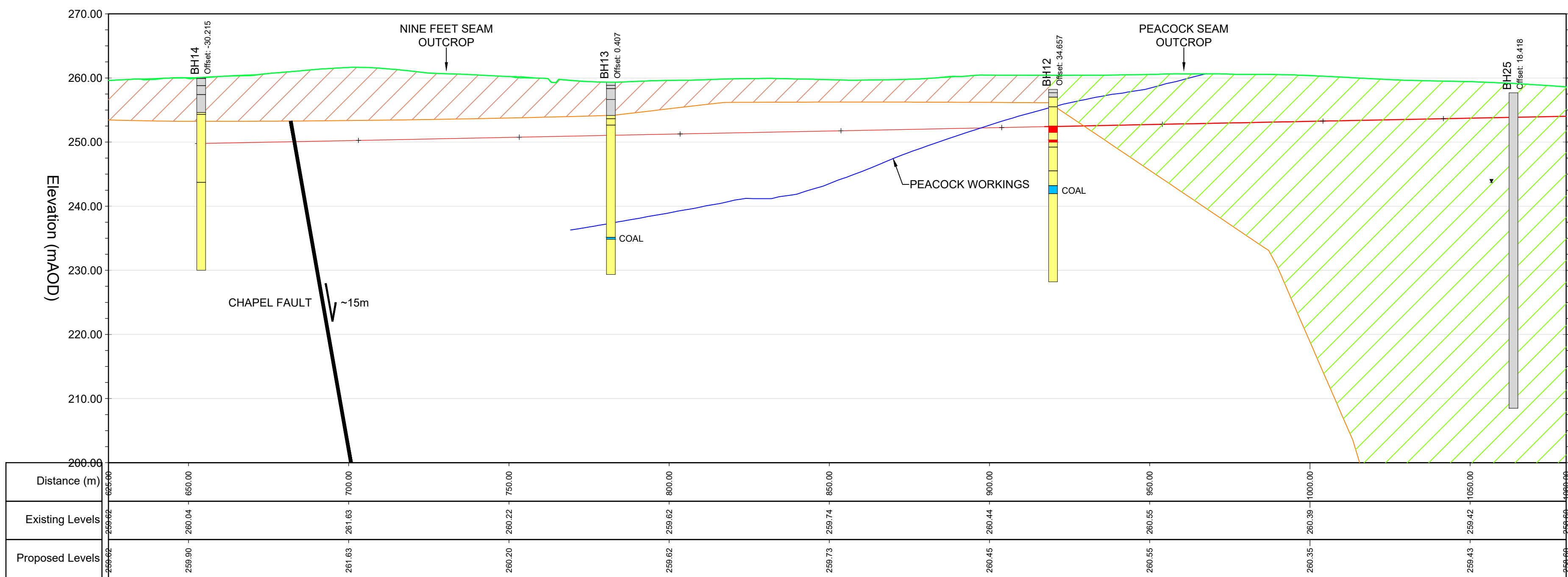
- EXISTING GROUND LEVEL
- EXISTING ROCKHEAD
- PROPOSED EARTHWORKS FORMATION
- APPROXIMATE BASE OF MINE WORKINGS
- OVERBURN: OPENCAST FILL
- OVERBURN: MADE GROUND

BOREHOLE LEGEND:

- SUPERFICIAL AND ARTIFICIAL
- BEDROCK
- COAL
- NO RECOVERY

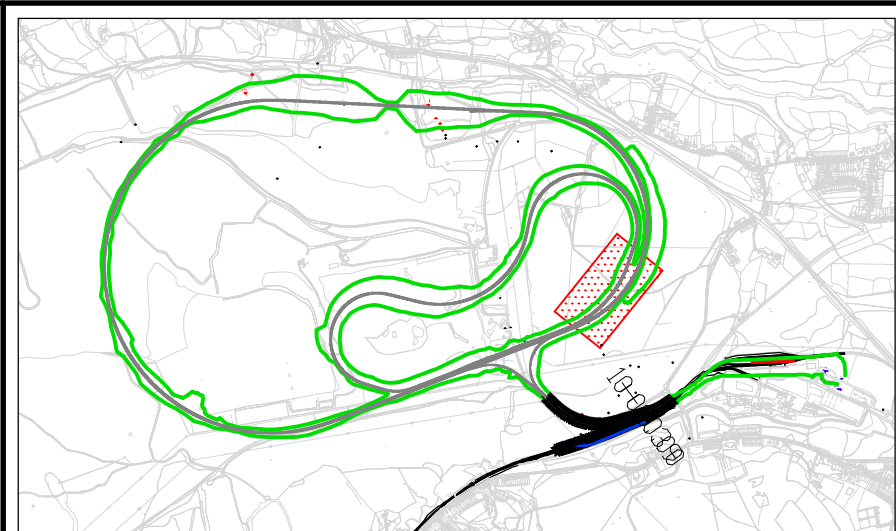
LEGEND:

- MINE TREATMENT: DRILL AND GROUT
- MINE TREATMENT: EXCAVATE AND REPLACE
- ADIT PORTAL REQUIRING TREATMENT
- CENTRELINE OF LONGITUDINAL SECTION
- GEOLOGICAL FAULT
- COAL SEAM
- SHAFT NOT REQUIRING TREATMENT
- SHAFT REQUIRING TREATMENT
- PRELIMINARY GROUND INVESTIGATION
- COMPLETED ADDITIONAL GROUND INVESTIGATION - STAGE 1



LONGITUDINAL SECTION: INNER LOOP SOUTH
CHAINAGE 0+00 - 10+18.62m
1:1000 HORZ, 1:500 VERT

DO NOT SCALE



KEY PLAN

NOTES

- DRAWINGS TO BE READ IN CONJUNCTION WITH DESIGN INPUT STATEMENT INCLUDED IN THE GEOTECHNICAL DESIGN REPORT, MINE REMEDIATION PLANS (GCRE001-AWJV-00-XX-DR-GE-00021 TO 00028) AND THE SPECIFICATION FOR REMEDIATION OF WORKINGS.
- THE CONTRACTOR SHALL OBTAIN A COAL AUTHORITY PERMIT AND RELEVANT APPROVALS PRIOR TO UNDERTAKING WORKS.
- AN ARCHAEOLOGICAL WATCHING BRIEF WILL BE REQUIRED NEAR THE SCHEDULED MONUMENT AND MAY BE NECESSARY IN OTHER PARTS OF THE SITE.
- ECOLOGICAL APPROVAL SHALL BE OBTAINED FOR ANY VEGETATION CLEARANCE AT SURFACE REQUIRED TO FACILITATE WORKS.
- PROFILES COMBINE DATA FROM DIFFERENT SOURCES - THERE MAY BE DISPARITY BETWEEN BOREHOLE DATA AND ANTICIPATED BASE OF WORKINGS.
- THE 'APPROXIMATE BASE OF MINE WORKINGS' SURFACE WAS DERIVED USING ELEVATION ANNOTATIONS ON THE MINE ABANDONMENT PLANS. THESE VALUES ARE APPROXIMATE AND ASSUMED TO REPRESENT THE CURRENT PAVEMENT LEVEL OF THE MINE WORKINGS.
- COAL AND FAULT OUTCROP LOCATIONS ARE FROM THE BGS 1:10K DATA SERIES. FAULT DIP, DIP DIRECTION AND THROW ARE BASED ON PUBLISHED INFORMATION AND ARE APPROXIMATE ONLY.
- SCHEME-SPECIFIC EXPLORATORY HOLE RECORDS WERE CONDUCTED BY QUANTUM GEOTECH IN 2021/22 AND PROVIDED BY ARUP. THE OPEN ACCESS EXPLORATORY HOLE RECORDS WERE FROM THE BGS.
- ADIT LOCATIONS SHOWN ON THE LONG-SECTIONS WERE ESTIMATED FROM MINE ABANDONMENT PLANS AND ARE APPROXIMATELY ONLY. INDICATIVE ADIT ELEVATIONS ARE SHOWN WHERE NO ELEVATION DATA IS PROVIDED.
- AREAS PROPOSED FOR REMEDIATION TO BE REVIEWED AGAINST EXPECTED CHANGES IN EARTHWORKS FOOTPRINT PRIOR TO CONSTRUCTION.
- 0+00m ON LOCAL CHAINAGE SYSTEM RELATES TO CH 1+67m ON ARCADIS TRACK DESIGN MODEL (AUGUST 2022).
- ONLY THE ADITS REQUIRING TREATMENT OR THAT HAVE BEEN INVESTIGATED ARE SHOWN ON THESE PLANS; ALL OTHER ADITS WERE OMITTED FOR DRAWING CLARITY.
- FOR SOP001, SOP002 AND SOP00, ONLY THE PROBE HOLES THAT ENCOUNTERED EVIDENCE FOR MINE WORKINGS ARE SHOWN ON THE LONG SECTION. THE OTHER HOLES WERE OMITTED FOR CLARITY PURPOSES.

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following:

CONSTRUCTION

- Collapse of known mine-workings and/or mine entries.
- Collapse of unknown mine-workings and/or mine entries.
- Mine gas may be present within workings.
- Contaminated mine water may be present within workings.
- Ignition of coal seams.

MAINTENANCE/CLEANING

- Prior to each train test a track survey shall be undertaken to assess conditions and confirm any changes in track level.
- Visual inspection of voids and crown holes shall be undertaken in parallel
- Where evidence of voids or other collapse is identified train tests shall be suspended until remediation has been completed.

DECOMMISSIONING/DEMOLITION

It is assumed that all works will be carried out by a competent contractor working, where appropriate, to an approved method statement

P01.01		PRELIMINARY			
Rev.	Date	Description	By	Chk'd	App'd
Drawing Status		Suitability			

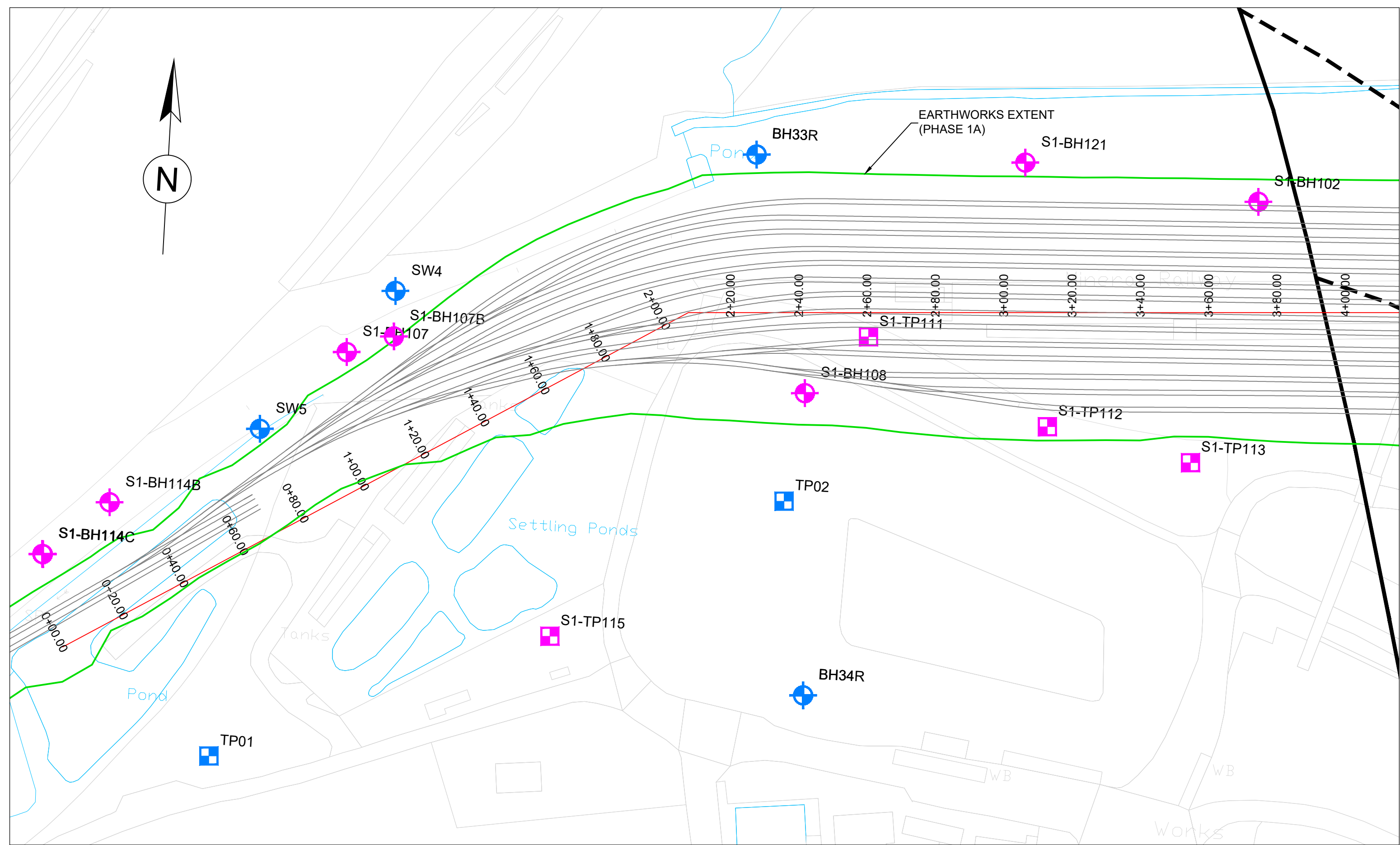


Client
GCRE
Global Centre of Rail Excellence
Canolfan Fyd-Eang Rhagoriaeth Rheilffyrdd

Project Title
GLOBAL CENTRE OF RAIL EXCELLENCE

Drawing Title
**MINING WORKINGS REMEDIATION
PLAN AND PROFILE
SHEET 6 OF 8**

Scale	Drawn	Checked	Approved	Authorised
1:1000	---	---	---	---
Original Size	Date	Date	Date	Date
A1	--/--/--	---	---	---
Drawing Number		Revision		
GCRE001-AWJV-EW-XX-DR-GE-04006		P01.01		



LEGEND:

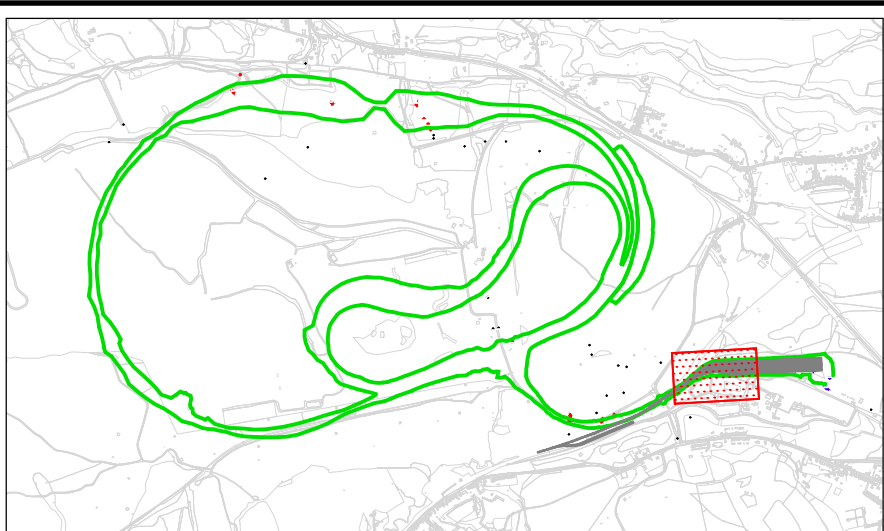
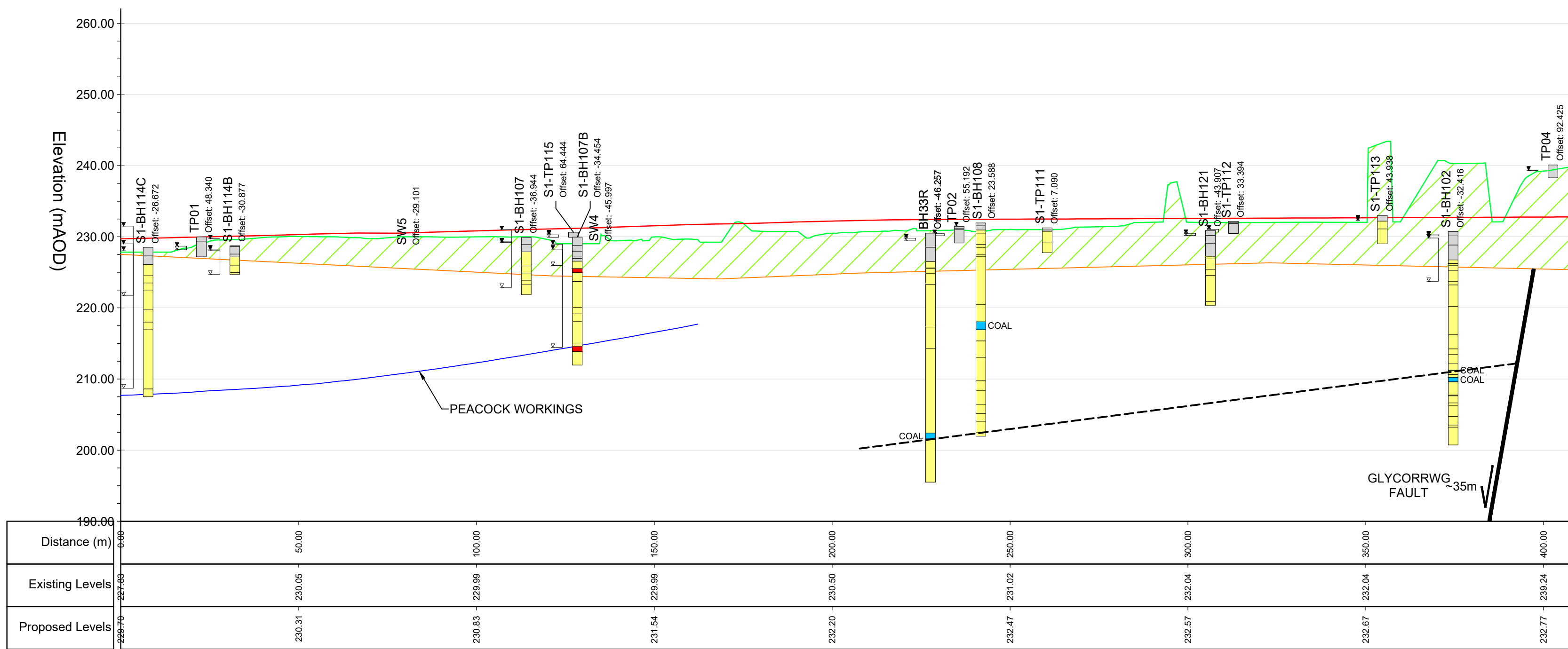
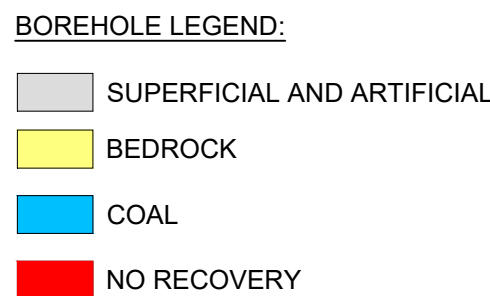
	MINE TREATMENT: DRILL AND GROUT		CENTRELINE OF LONGITUDINAL SECTION
	MINE TREATMENT: EXCAVATE AND REPLACE		GEOLOGICAL FAULT
	ADIT PORTAL REQUIRING TREATMENT		COAL SEAM
			SHAFT NOT REQUIRING TREATMENT
			SHAFT REQUIRING TREATMENT

PRELIMINARY GROUND INVESTIGATION

	BOREHOLE		TRIAL PIT
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COMPLETED ADDITIONAL GROUND INVESTIGATION - STAGE 1

	BOREHOLE		TRIAL PIT
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KEY PLAN

NOTES

1. DRAWINGS TO BE READ IN CONJUNCTION WITH DESIGN INPUT STATEMENT INCLUDED IN THE GEOTECHNICAL DESIGN REPORT, MINE REMEDIATION PLANS (GCRE01-AMJV-00-XX-DR-GE-00021 TO 00028) AND THE SPECIFICATION FOR REMEDIATION OF WORKINGS.
2. THE CONTRACTOR SHALL OBTAIN A MINE ABANDONMENT PERMIT AND RELEVANT APPROVALS PRIOR TO UNDERTAKING WORKS.
3. AN ARCHAEOLOGICAL WATCHING BRIEF WILL BE REQUIRED NEAR THE SCHEDULED MONUMENT AND MAY BE NECESSARY IN OTHER PARTS OF THE SITE.
4. EVIDENCE APPROVAL SHALL BE OBTAINED FOR ANY VEGETATION CLEARANCE AT SURFACE REQUIRED TO FACILITATE WORKS.
5. PROFILES COMBINE DATA FROM DIFFERENT SOURCES - THERE MAY BE DISPARITY BETWEEN BORHOLE DATA AND ANTICIPATED BASE OF WORKINGS.
6. THE 'APPROXIMATE BASE OF MINE WORKINGS' SURFACE WAS DERIVED FROM EVIDENCE FROM BORHOLE DATA ON THE MINE ABANDONMENT PLANS; THESE VALUES ARE APPROXIMATE AND ASSUMED TO REPRESENT THE CURRENT PAVEMENT LEVEL OF THE MINE WORKINGS.
7. COAL AND FAULT OUTCROP LOCATIONS ARE FROM THE BGS 1:10K DATA SERIES. SPECIFIC DIP, DIP DIRECTION AND THROW ARE BASED ON PUBLISHED INFORMATION. THESE ARE APPROXIMATE AND NOT SUITABLE FOR EXPLORATORY WORK. RECORDS WERE CONDUCTED BY QUANTUM GEOTECH IN 2012/22 AND PROVIDED BY ARUP. THE OPEN ACCESS EXPLORATORY HOLE RECORDS WERE FROM THE BGS.
8. ADIT LOCATIONS SHOWN ON THE LONG-SECTIONS WERE ESTIMATED FROM MINE ABANDONMENT PLANS AND ARE APPROXIMATELY ONLY. IN SOME ADIT ELEVATIONS ARE SHOWN WHERE NO ELEVATION DATA IS PROVIDED.
9. AREAS PROPOSED FOR REMEDIATION TO BE REVIEWED AGAINST EXPECTED CHANGES IN EARTHWORKS FOOTPRINT PRIOR TO CONSTRUCTION.
10. 0+00m ON LOCAL CHAINAGE SYSTEM RELATES TO CH X+XXm ON ARCADIS TRACK DESIGN MODEL (AUGUST 2022).
11. ONLY THE ADITS REQUIRING TREATMENT OR THAT HAVE BEEN INVESTIGATED ARE SHOWN ON THESE PLANS. ALL OTHER ADITS WERE OMITTED FOR DRAWING CLARITY.
12. FOR SP00P1, SP00P2 AND SP00P3, ONLY THE PROBE HOLES THAT HAVE INTERFERED EVIDENCE FROM MINE WORKINGS ARE SHOWN ON THE LONG SECTION. ALL OTHER HOLES WERE OMITTED FOR CLARITY PURPOSES. ST-BH106, BH30, TP08 AND TP37 ARE ALSO NOT SHOWN ON THE LONG SECTION FOR CLARITY PURPOSES.

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following:

CONSTRUCTION

1. Collapse of known mine-workings and/or mine entries.
2. Collapse of unknown mine-workings and/or mine entries.
3. Mine gas may be present within workings.
4. Contaminated mine water may be present within workings.
5. Ignition of coal seams.

MAINTENANCE/CLEANING

1. Prior to each train test a track survey shall be undertaken to assess conditions and confirm any changes in track level.
2. Visual inspection of voids and crown holes shall be undertaken in parallel with the train test.
3. Where evidence of voids or other collapse is identified train tests shall be suspended until remediation has been completed.

DECOMMISSIONING/DEMOLITION

It is assumed that all works will be carried out by a competent contractor working, where appropriate, to an approved method statement

P01.01	---	PRELIMINARY	---	---	---
Rev.	Date	Description	By	Chk'd	App'd

Drawing Status

Drawing Status	Suitability
initial non-contractual code	S0

WALTERS | ATKINS

Client

GCRE

Global Centre of Rail Excellence
Canolfan Fyd-Eang Rhagoriaeth Rheilffyrdd

Project Title

GLOBAL CENTRE OF RAIL EXCELLENCE

Drawing Title

MINING WORKINGS REMEDIATION
PLAN AND PROFILE
SHEET 7 OF 8

Scale 1:1000	Drawn ---	Checked ---	Approved ---	Authorised ---
Original Size A1	Date --/--/--	Date ---	Date ---	Date ---

Drawing Number	Revision
GCRE001-AWJV-EW-XX-DR-GE-04007	P01.01