

LEGEND

- Proposed Application Site Boundary (13.49 Ha)
- Proposed Limit of Mineral Extraction (~7.62 Ha)
- Existing Woodland / Hedgerows
- Buildings & Roads
- Contours (5m intervals) & Spot Heights (m aOD)
- Agricultural Grazing Land within the Site
- Permitted Quarry & Access (~3.32 Ha)

05/04/23
 DERBYN - Adran Cynllunio Pwllheli



PROJECT:
Penygroes Quarry

TITLE:
Context Plan

REF NO:
KD.PEN.D.007

DATE:
January 2022

SCALE:
1:5,000 @ A3

STATUS:
FINAL

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- ### LEGEND
- Proposed Application Site Boundary (13.49 Ha)
 - Existing Woodland / Hedgerows
 - Buildings & Roads
 - 99.0 Contours (1m intervals) & Spot Heights (m aOD)
 - Agricultural Grazing Land within the Site
 - Permitted Quarry & Access (~3.32 Ha)

05/04/23

DERBYN - Adran Cynllunio Pwllhell



PROJECT:
Penygroes Quarry

TITLE:
Current Situation

REF NO:
KD.PEN.D.004

DATE: **July 2022** SCALE: **1:2,500 @ A3**

STATUS:
FINAL

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Penygroes Quarry

Phase 1 Operations:

- Phase 1 represents the currently permitted area of the quarry.
- There are no further soils to be stripped.
- Restoration formation levels will be achieved along the western boundary of Phase 1.
- "As dug" mineral to be transported by HGV to Cefn Graianog Quarry for processing and onward sale.
- All land within the site is to be managed and maintained.



LEGEND

- Proposed Application Site Boundary (13.49 Ha)
- Phase 1 Extraction Area (Remaining Mineral)
- Direction of Working
- Temporary Soil storage / Screening Bunds
- Restoration within this Phase to Formation Levels (i.e. final landform awaiting the placement of soil profile)
- 99.0 Contours (1m intervals) & Spot Heights (m aOD)

05/04/23
DERBYN - Adran Cynllunio Pwllheli



PROJECT:
Penygroes Quarry

TITLE:
Phase 1

REF NO:
KD.PEN.D.011A

DATE:
Jan 2023

SCALE:
1:2,500 @ A3

STATUS:
FINAL



Materials Audit

PHASE	Soils / Overburden (m³)	As Dug Mineral (m³)	Waste / Silt 10% (m³)	Mineral (m³)	Mineral (ST) 1.8 Conversion
1	10,561 (in store)	158,181	15,818	142,363	256,253

Penygroes Quarry

The proposals are for an extension of mineral extraction to the existing Penygroes Quarry.

- The extension is required to enable the on-going supply of mineral, to allow for a balanced supply of mineral products / blending materials from Penygroes and Graianog Quarries, to meet building / construction supply needs and for the non-sterilisation of mineral.
- The extension will be within agricultural fields to the north and west of the existing permitted development.
- There will be no initial increase in vehicle movements (for 3 to 4 years), whilst Penygroes mineral is blended with mineral from Graianog Quarry.
- "As dug" mineral will be transported from the quarry to Tudor Griffiths Graianog Quarry, where it will be processed and then transported to point of sale.
- Mineral will only be worked dry i.e. there will be no extraction below the ground water table.

The remaining permitted mineral on Site is: ~ 298,000 tonnes.

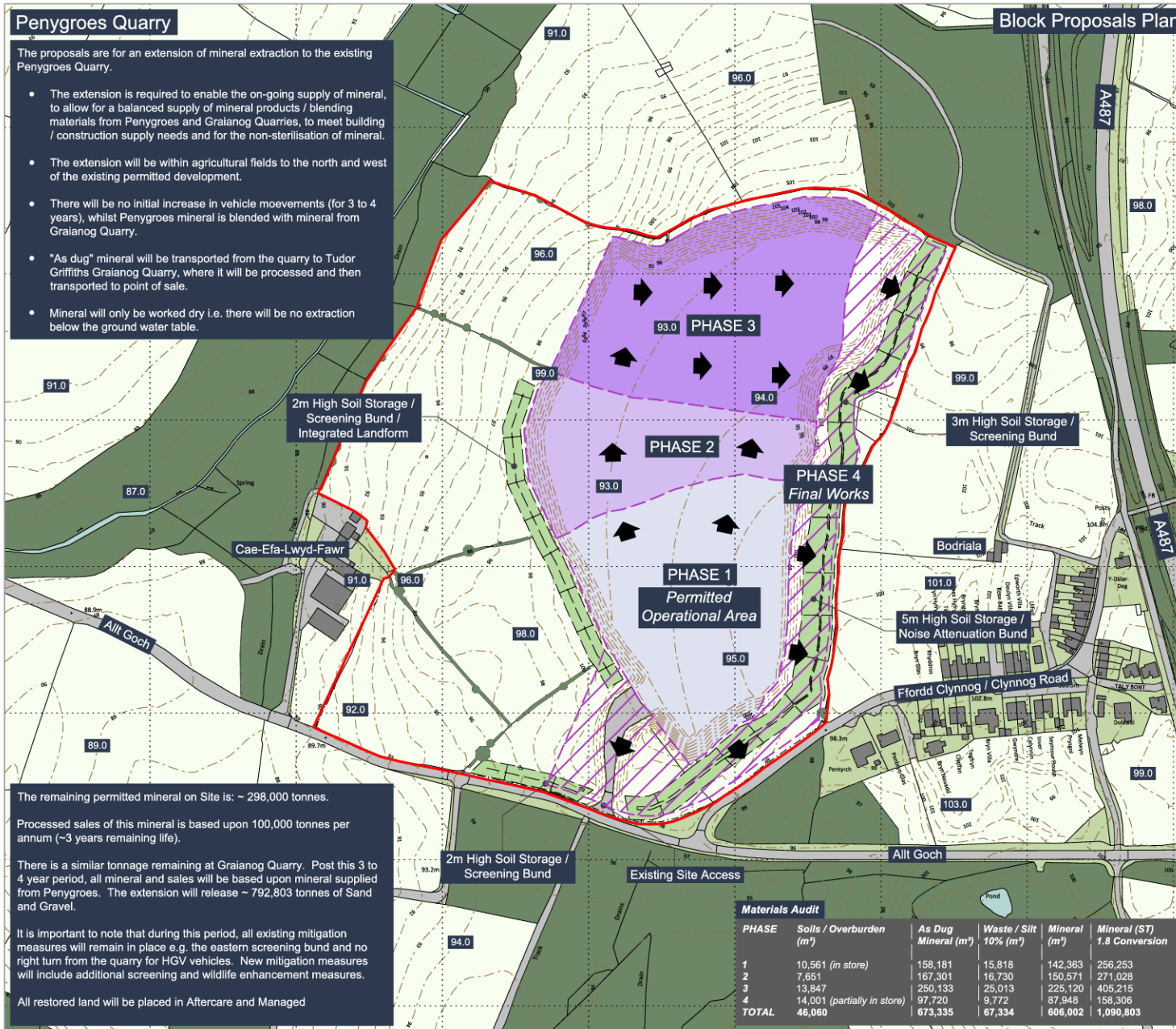
Processed sales of this mineral is based upon 100,000 tonnes per annum (~3 years remaining life).

There is a similar tonnage remaining at Graianog Quarry. Post this 3 to 4 year period, all mineral and sales will be based upon mineral supplied from Penygroes. The extension will release ~ 792,803 tonnes of Sand and Gravel.

It is important to note that during this period, all existing mitigation measures will remain in place e.g. the eastern screening bund and no right turn from the quarry for HGV vehicles. New mitigation measures will include additional screening and wildlife enhancement measures.

All restored land will be placed in Aftercare and Managed

Block Proposals Plan



LEGEND

- Proposed Application Site Boundary (13.49 Ha)
- Progressive Phased Mineral Extraction (Phases 1 to 3)
- Phase 4 - Final Working & Restoration Area
- Direction of Working
- Temporary Soil storage / Screening Bunds
- Contours (1m intervals) & Spot Heights (m aOD)

Please Note: the Site will be worked and restored progressively so that at any one point in time, approximately, only one quarter of the Site area will be disturbed

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PROJECT:
Penygroes Quarry

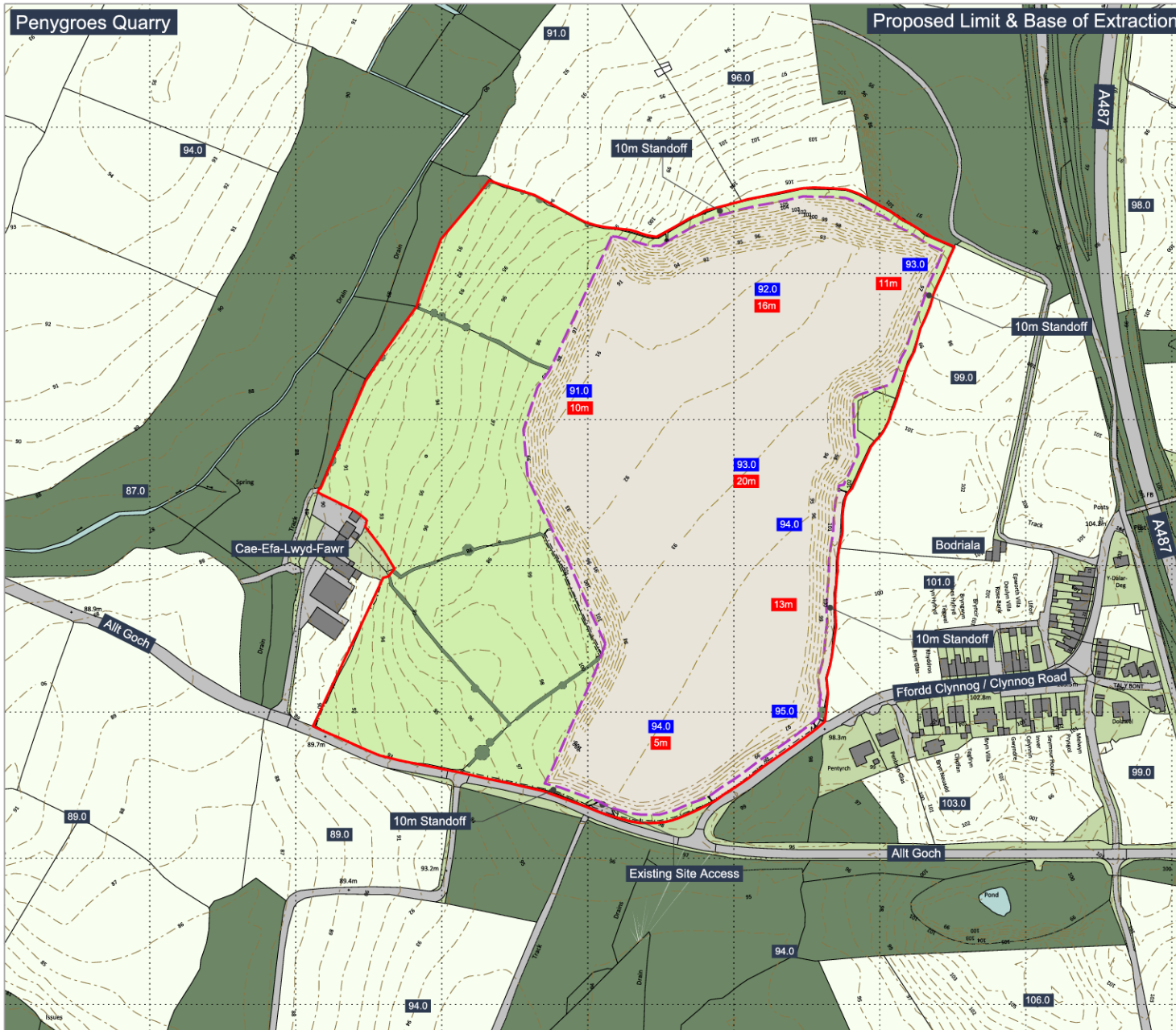
TITLE:
Block Proposals Plan

REF NO:
KD.PEN.D.005A

DATE: 8 JAN 2023 SCALE: 1:2,500 @ A3

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LEGEND

- Proposed Application Site Boundary (13.49 Ha)
- Proposed Limit of Mineral Extraction (~7.73 Ha)
- Existing Woodland / Hedgerows
- Buildings & Roads
- Contours (1m intervals) & Spot Heights (m aOD)
- Agricultural Grazing Land within the Site
- 99.0 Base of Extraction Levels (m aOD)
- 10m Average Thickness of Mineral (metres)

Please Note: this scheme reflects the permitted scheme, which allows for the extraction of mineral from beneath the soil screening bunds to the eastern boundary of this Site.

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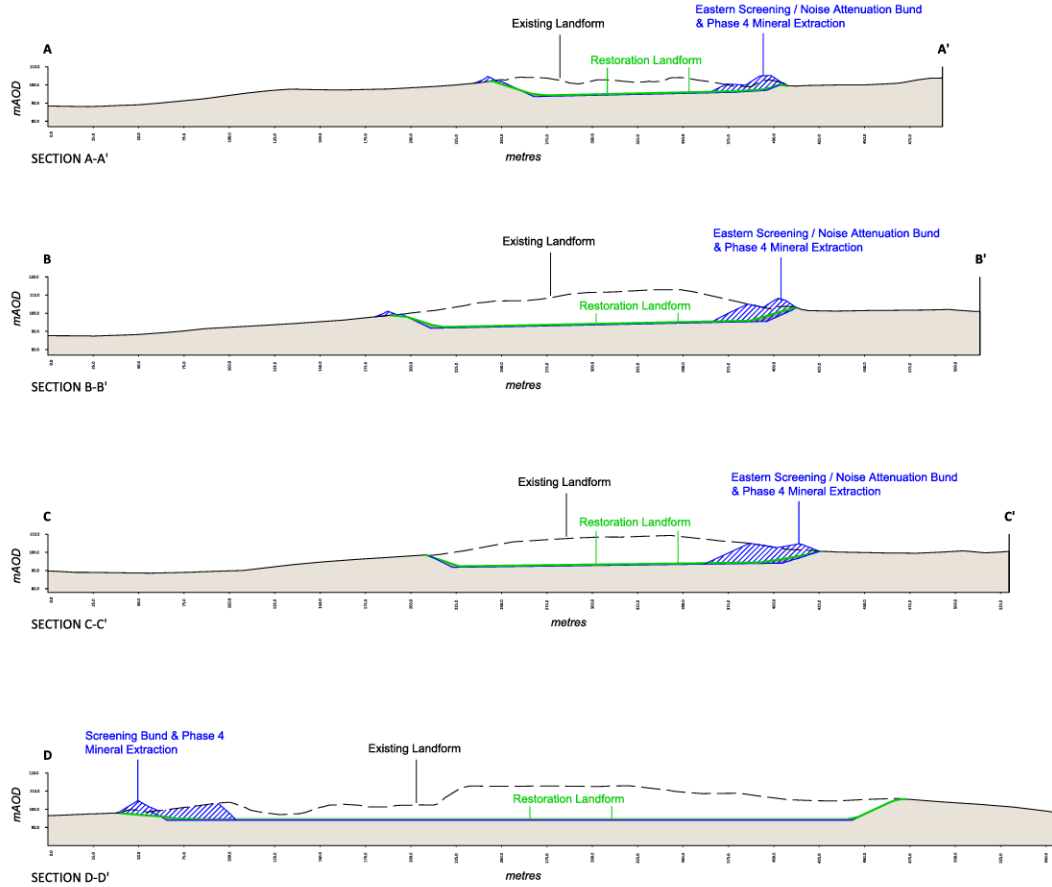
PROJECT:
Penygroes Quarry

TITLE:
Proposed Limit & Base of Extraction



REF NO:
KD.PEN.D.008

DATE: **January 2022** SCALE: **1:2,500 @ A3**

STATUS:
FINAL



LEGEND

-  Current Topographical Levels (mAOD)
-  Base of Extraction (mAOD)
-  Restoration Landform Levels (mAOD)
-  Screening Bunds / Phase 4 Extraction

See Drawing No. KD.PEN.D.006A for Section Locations

05/04/23
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PROJECT:
Penygroes Quarry

TITLE:
Mineral Extraction and Restoration Sections

REF NO:
KD.PEN.D.017A

DATE:
Jan 2023

SCALE:
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