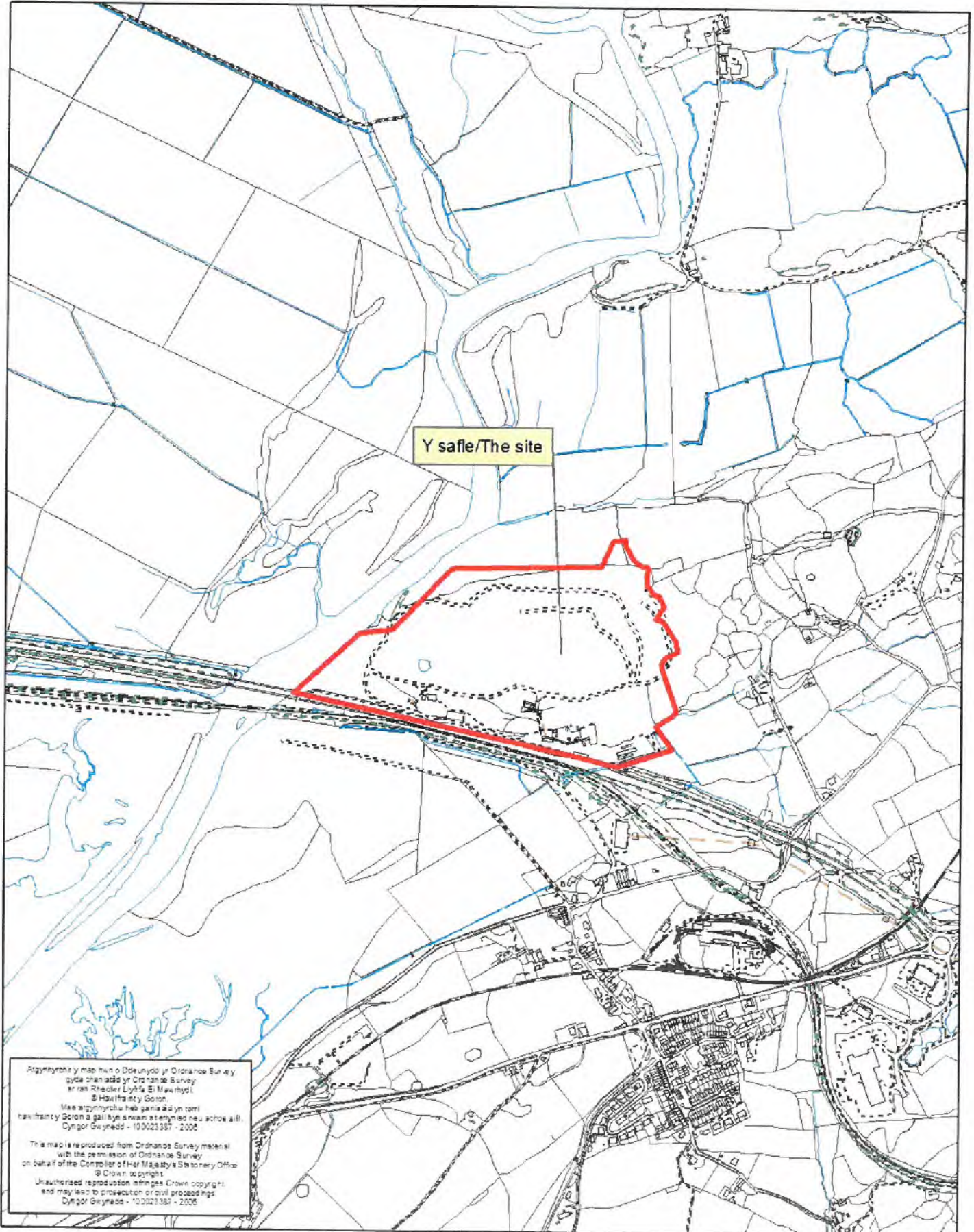




Rhif y Cais / Application Number : C16-1385-05-MW

Cynllun lleoliad ar gyfer adnabod y safle yn unig. Dim i raddfa.
Location Plan for identification purposes only. Not to scale.

Y safle/The site

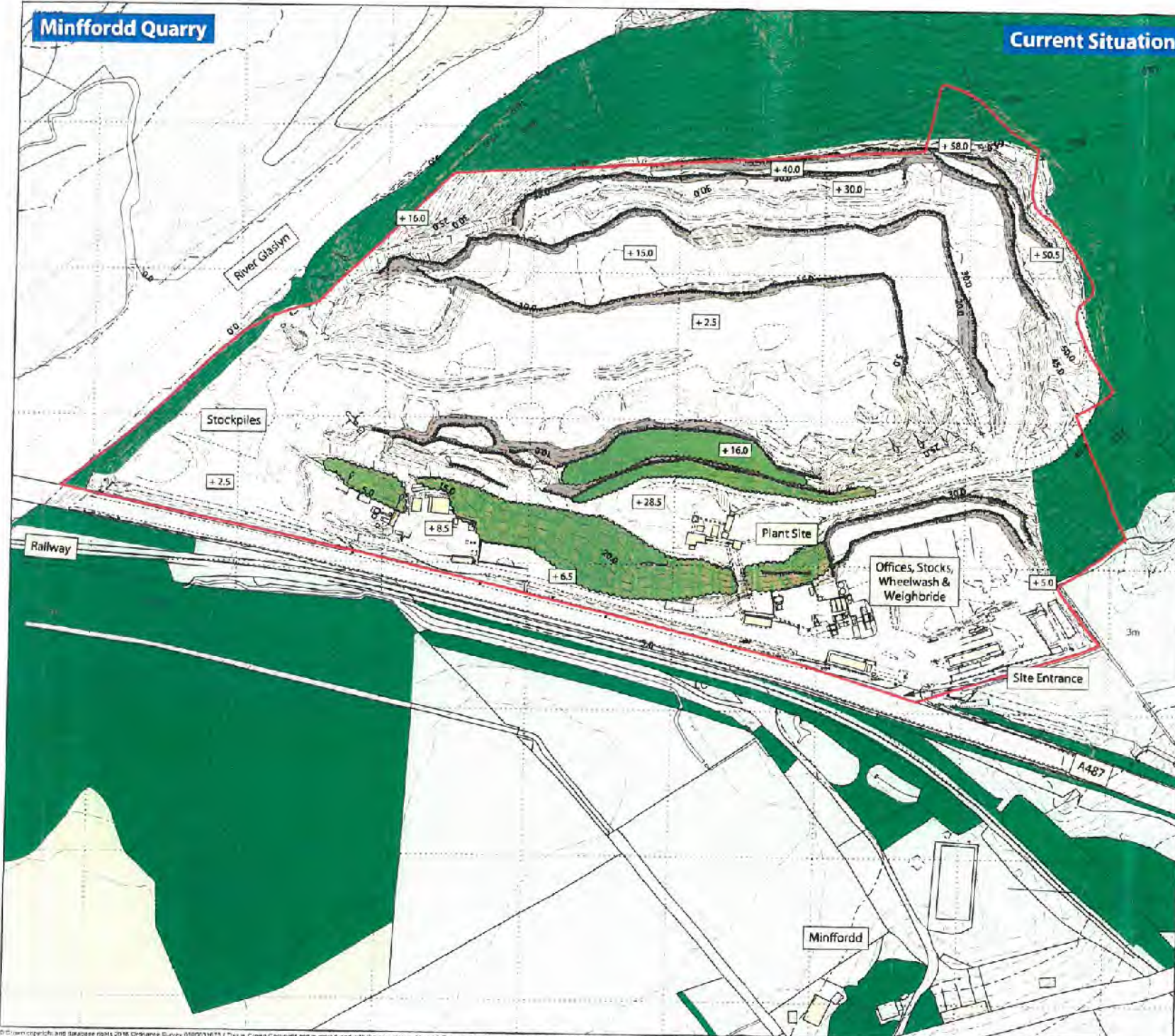


Argynnyrch y map hon o Ddeunydd y Ordnance Survey
gyda chandd yr Ordnance Survey
yr ran Rheolwr Llythfa Eri Mawrhydi.
© Hawlfraint y Goron.
Mae argynnyrchu heb ganiadau yn tarfu
hawlfrant y Goron a gall i'w ariannu etymed neu achos ail.
Dyngor Gwynedd - 100023387 - 2006








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Dyngor Gwynedd - 100023387 - 2006

Minffordd Quarry

Current Situation



Legend

-  Application Boundary
-  20.0 1m Contours (m aOD)
-  Stripped Land
-  Quarry Faces
-  Water Bodies
-  Existing Trees/Scrub
-  Surrounding Vegetation



Site Name:
M057 - Minffordd Quarry

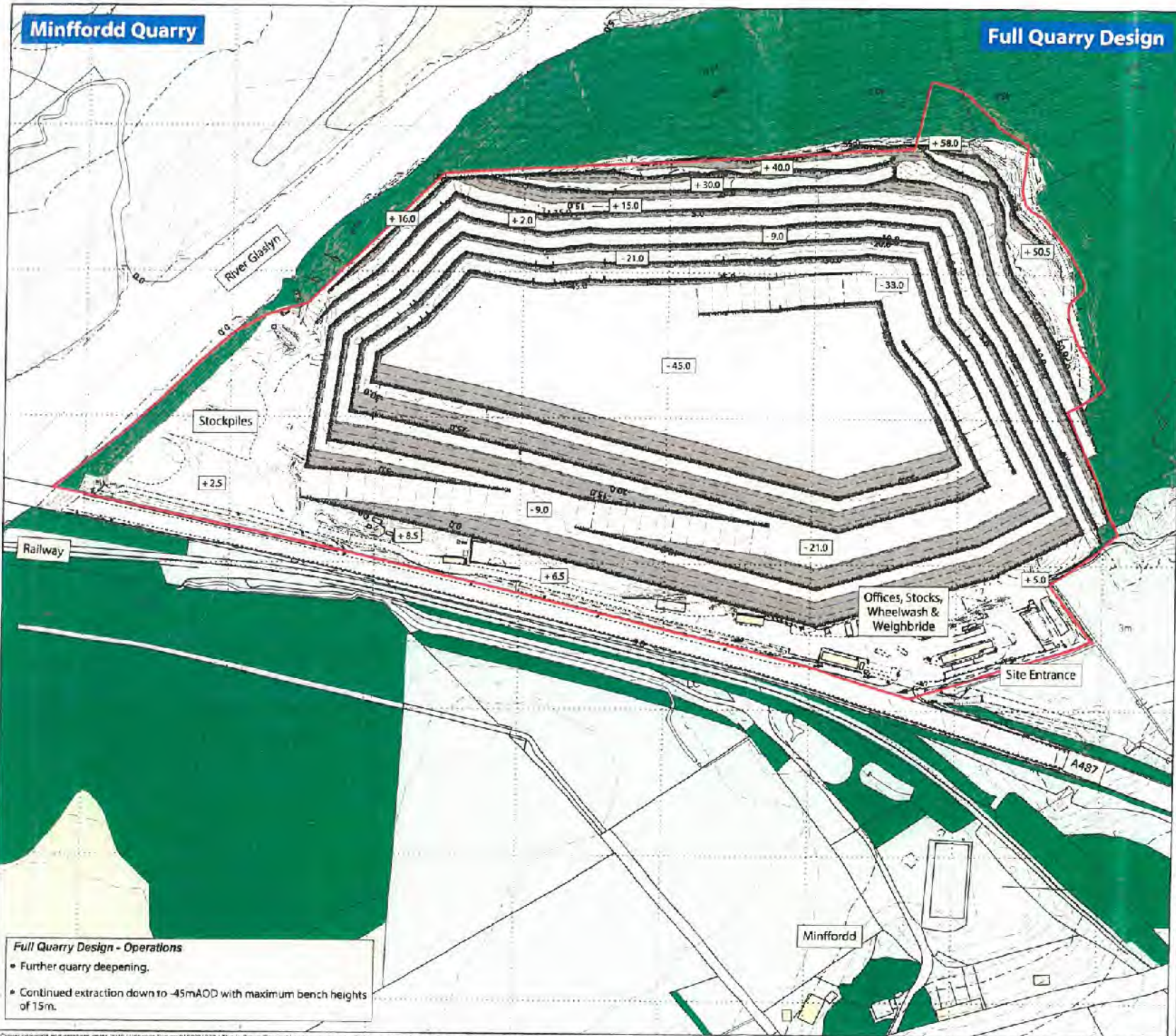
Drawing Name:
Current Situation (April 2016)

| | |
|------------------------------------|---|
| Drawn By: C Barrett / R. Duncan | Scale @ A3: 1:2 500 |
| Date: May 2016 | Drawing Number: M057 / 00042 PSL Ref: M14 112(e), D DC1 |

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Minffordd Quarry

Full Quarry Design



Legend

- Application Boundary
- 20.0 1m Contours (m aOD)
- Stripped Land
- Quarry Faces
- Water Bodies
- Existing Trees/Scrub
- Surrounding Vegetation



P. Leydell Smithyman



| | |
|--|--|
| Site Name: M057 - Minffordd Quarry | |
| Drawing Name: Full Quarry Design | |
| Drawn By: C. Barrett / R. Duncan | Scale @ A3: 1:2,500 |
| Date: July 2016 | Drawing Number: M057 / 00047 PS: Ref. M14.112(e) © 006 |

Full Quarry Design - Operations








- Further quarry deepening.
- Continued extraction down to -45mAOD with maximum bench heights of 15m.

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Minffordd Quarry

Phase 1

Legend

-  Application Boundary
-  20.0 1m Contours (m aOD)
-  Stripped Land
-  Quarry Faces
-  Water Bodies
-  Existing Trees/Scrub
-  Surrounding Vegetation



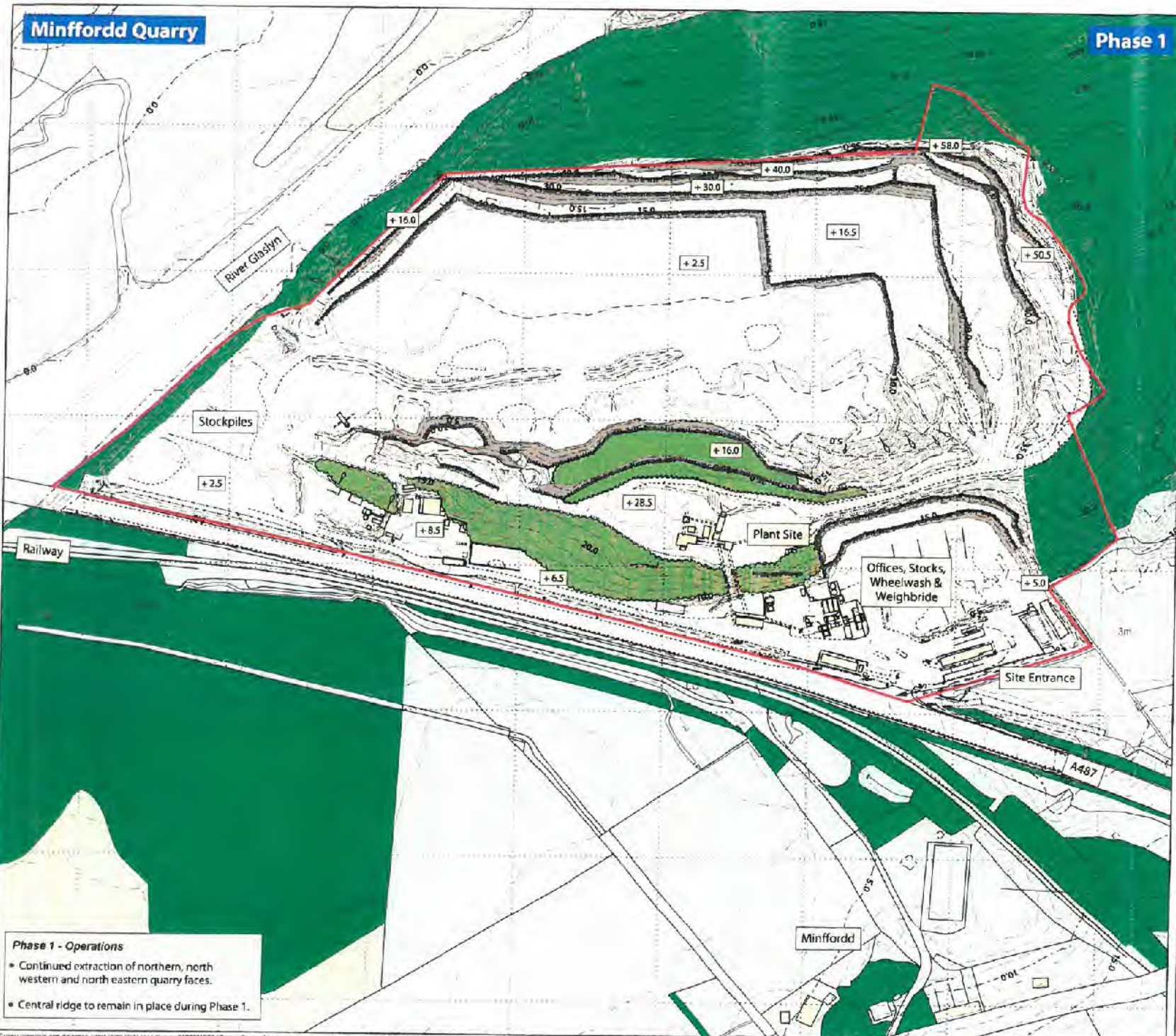
Plyde, Sm thyman



Site Name:
M057 - Minffordd Quarry

Drawing Name:
Phase 1
(5 Year Plan)

| | |
|------------------------------------|---|
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| Date: July 2016 | Drawing Number: M057 / 00043 PSL Ref: M14.12(e) 0.002 |

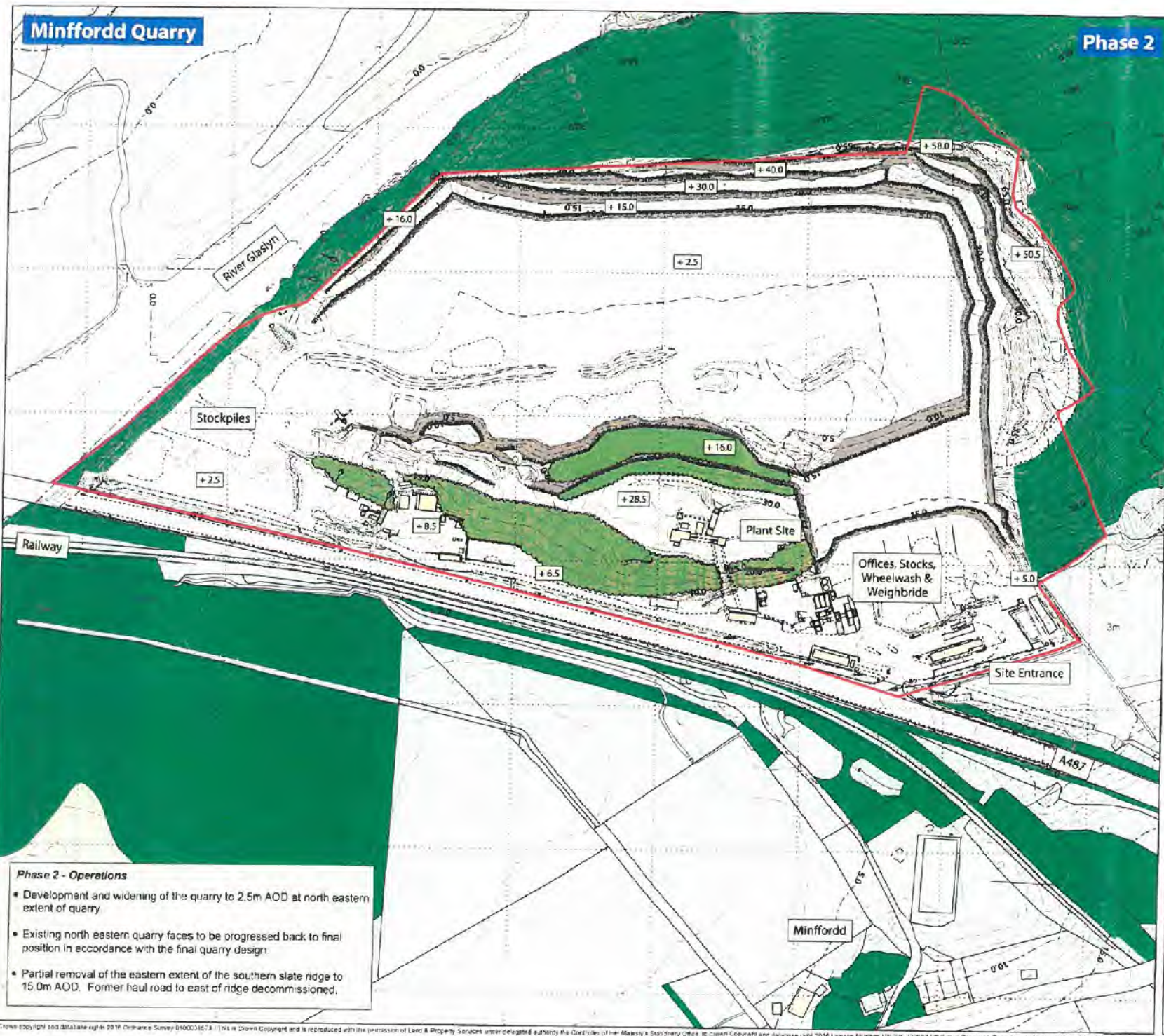


Phase 1 - Operations

- Continued extraction of northern, north western and north eastern quarry faces.
- Central ridge to remain in place during Phase 1.

Minffordd Quarry

Phase 2



- ### Legend
- Application Boundary
 - 20.0 - 1m Contours (m aOD)
 - Stripped Land
 - Quarry Faces
 - Water Bodies
 - Existing Trees/Scrub
 - Surrounding Vegetation



PeydelSmithyman



SEA Name:
M057 - Minffordd Quarry

Drawing Name:
Phase 2
(10 Year Plan)

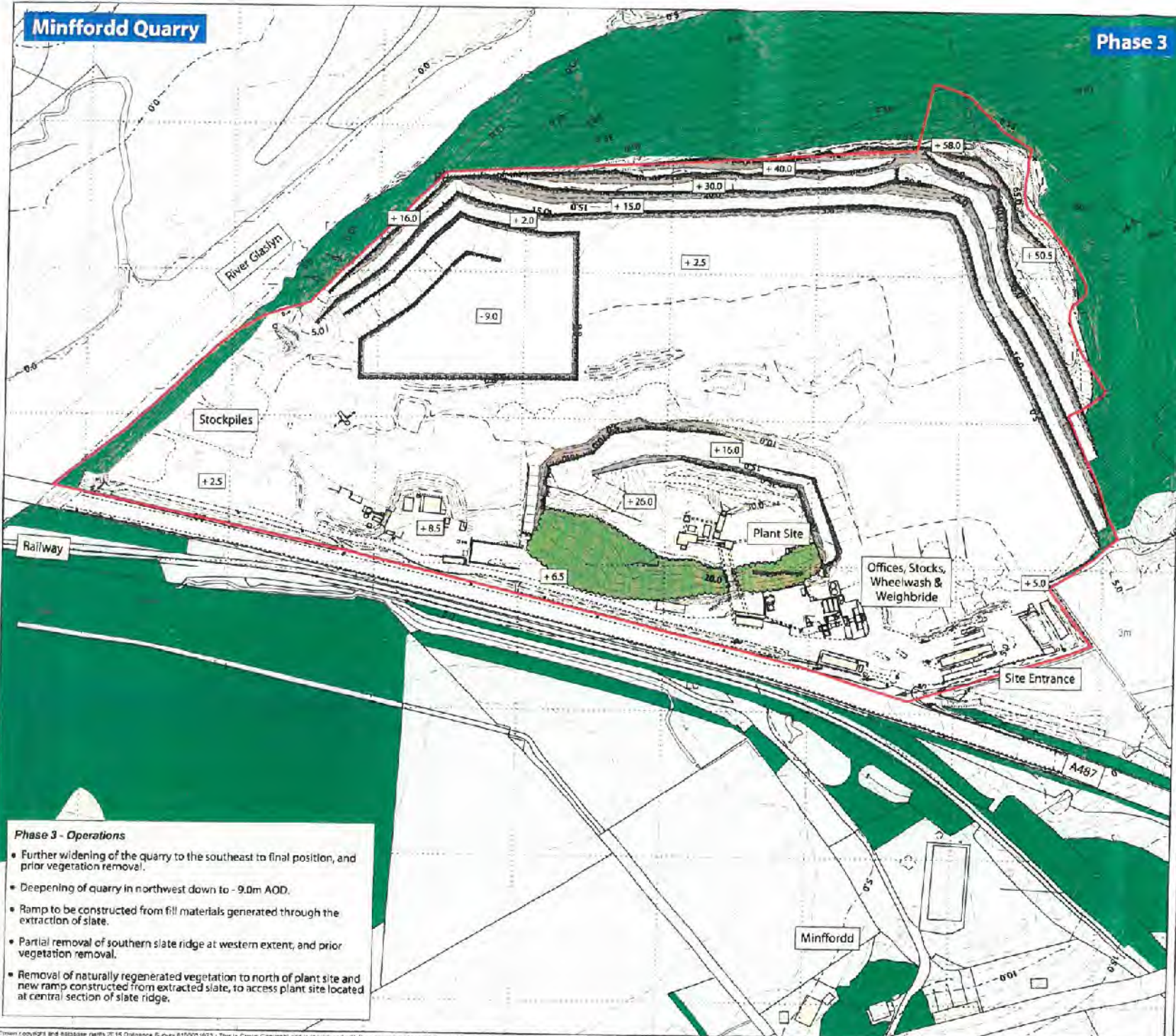
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|-----------------------------------|---|
| Drawn By: C Barrett / R Duncan | Scale @ A3: 1:2,500 |
| Date: July 2016 | Drawing Number: M057 / DC044 PSL Ref: M14.12(e) 0.003 |

Phase 2 - Operations

- Development and widening of the quarry to 2.5m AOD at north eastern extent of quarry
- Existing north eastern quarry faces to be progressed back to final position in accordance with the final quarry design.
- Partial removal of the eastern extent of the southern slate ridge to 15.0m AOD. Former haul road to east of ridge decommissioned.

Minffordd Quarry

Phase 3



Legend

- Application Boundary
- 20.0m 1m Contours (m aOD)
- Stripped Land
- Quarry Faces
- Water Bodies
- Existing Trees/Scrub
- Surrounding Vegetation

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31 OCT 2016

Floyd Smithyman



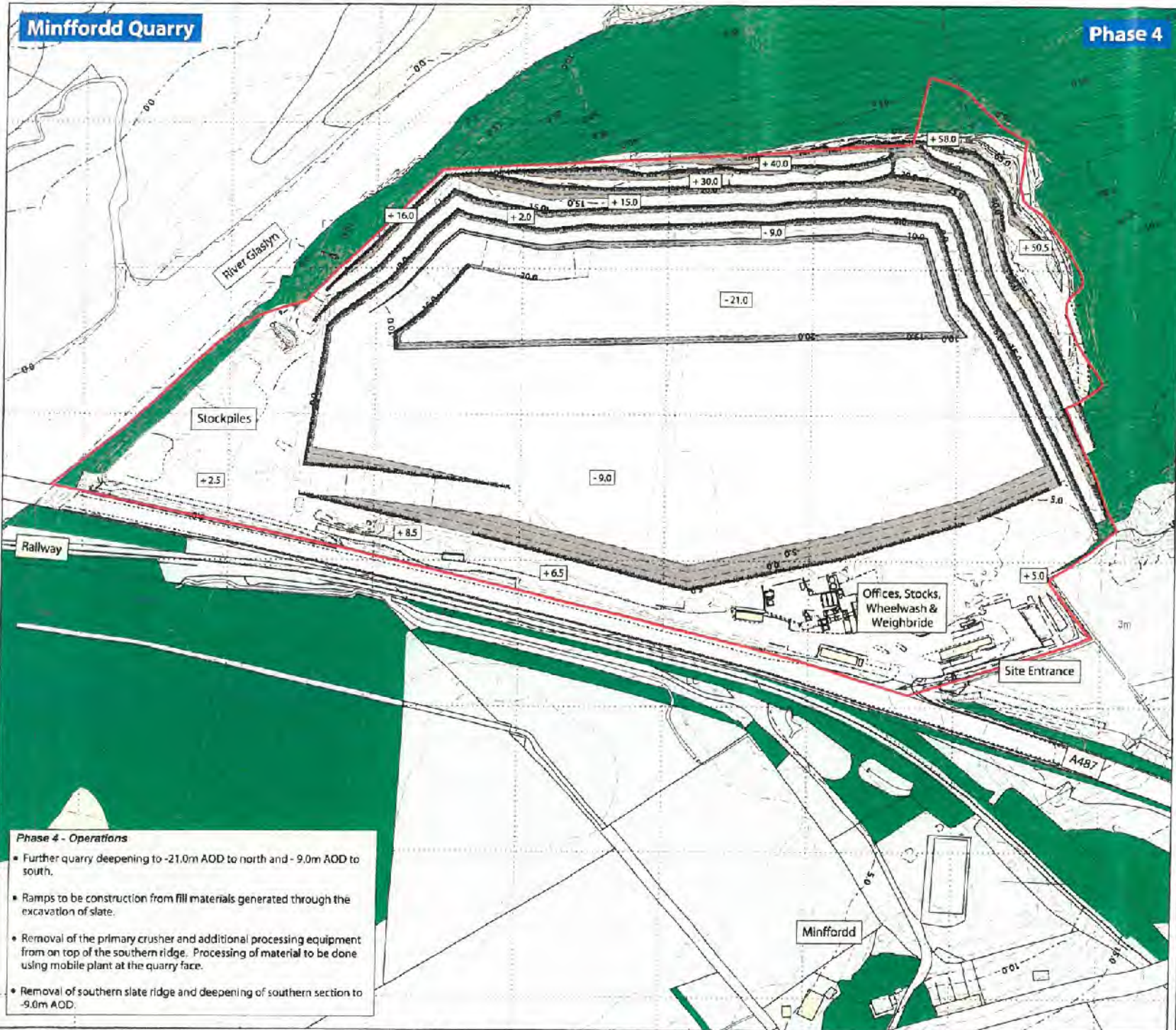
- Phase 3 - Operations**
- Further widening of the quarry to the southeast to final position, and prior vegetation removal.
 - Deepening of quarry in northwest down to -9.0m AOD.
 - Ramp to be constructed from fill materials generated through the extraction of slate.
 - Partial removal of southern slate ridge at western extent, and prior vegetation removal.
 - Removal of naturally regenerated vegetation to north of plant site and new ramp constructed from extracted slate, to access plant site located at central section of slate ridge.

| | |
|---------------------------|---|
| Site Name: | |
| M057 - Minffordd Quarry | |
| Drawing Name: | |
| Phase 3 (15 Year Plan) | |
| Drawn By: | Scale @ A1: |
| C.Barrett / R.Dunoon | 1:2,500 |
| Date: | Drawing Number: |
| July 2015 | M057 / 00045 P/S: Ref: M14 112(e), D 004 |

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Minffordd Quarry

Phase 4



- ### Legend
- Application Boundary
 - 20.0 1m Contours (m aOD)
 - Stripped Land
 - Quarry Faces
 - Water Bodies
 - Existing Trees/Scrub
 - Surrounding Vegetation



Freyde/Smithyman



- ### Phase 4 - Operations
- Further quarry deepening to -21.0m AOD to north and -9.0m AOD to south.
 - Ramps to be construction from fill materials generated through the excavation of slate.
 - Removal of the primary crusher and additional processing equipment from on top of the southern ridge. Processing of material to be done using mobile plant at the quarry face.
 - Removal of southern slate ridge and deepening of southern section to -9.0m AOD.

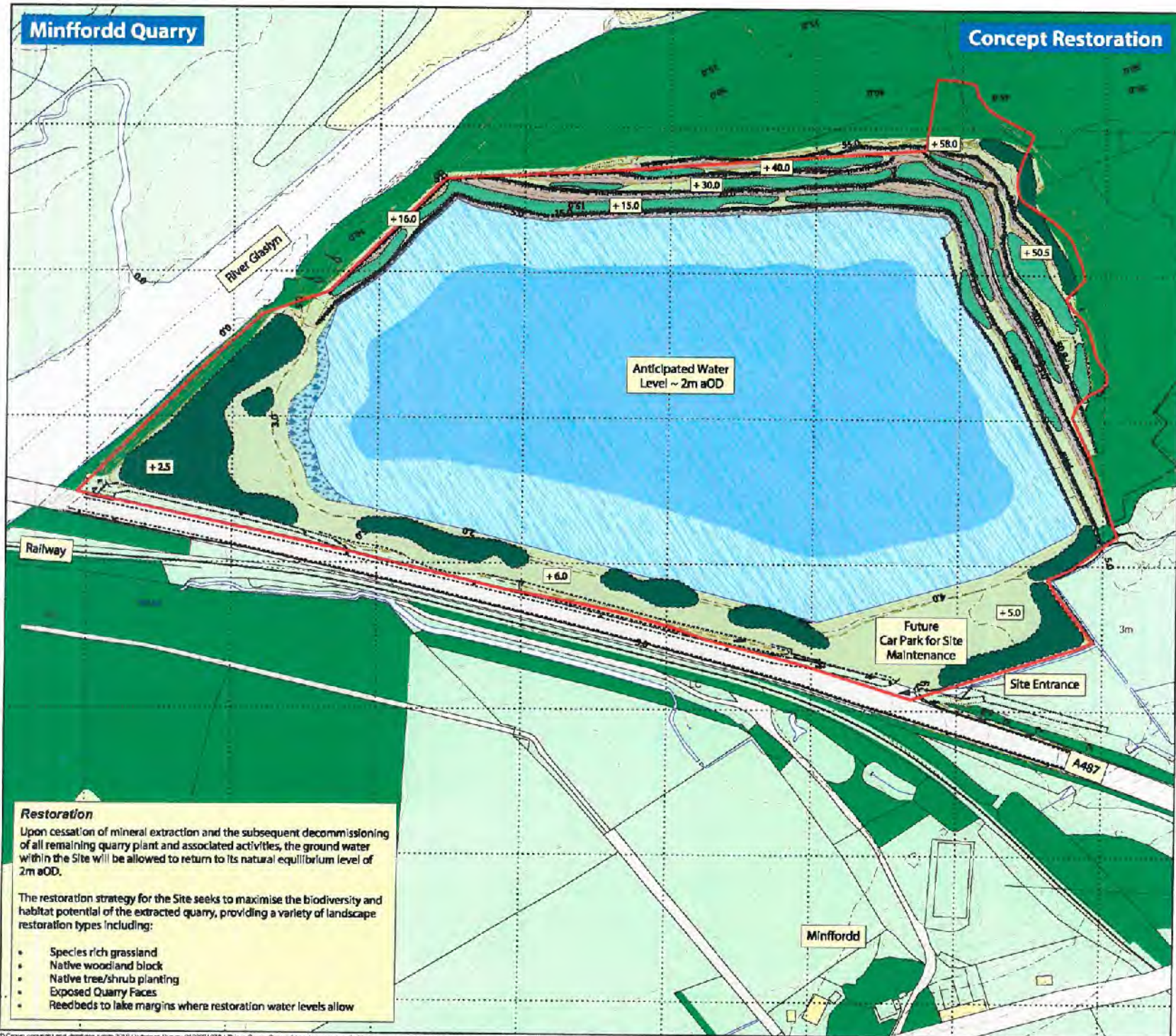
| | |
|---------------------------|--|
| Site Name: | |
| M057 - Minffordd Quarry | |
| Drawing Name: | |
| Phase 4 (30 Year Plan) | |
| Drawn By: | Scale @ A3: |
| C.Barrett / R.Duncan | 1:2,500 |
| Date: | Drawing Number: |
| July 2015 | M057 / 00046 PSL Ref: M14.112@1:005 |

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Minffordd Quarry

Concept Restoration



Legend

- Application Boundary
- 20.0
- Species Rich Grassland
- Potential future employment use, to be subject of a separate planning application
- Exposed Quarry Faces
- Restored Water Body / Lake
- Roadbeds
- Proposed Tree/Shrub Planting
- Shrub/Trees self set via Natural Regeneration
- Surrounding Vegetation

Peyde Smithyman



Site Name:
M057 - Minffordd Quarry

Drawing Name:
Concept Restoration

| | | |
|-------------------------------------|---|--|
| Drawn By: C. Barrett / R. Duncan | Scale @ A3: 1:2,500 | |
| Date: May 2016 | Drawing Number: M057 / 00048 PSL Ref M14 112(a) 0.007 | |

Restoration
Upon cessation of mineral extraction and the subsequent decommissioning of all remaining quarry plant and associated activities, the ground water within the Site will be allowed to return to its natural equilibrium level of 2m aOD.

The restoration strategy for the Site seeks to maximise the biodiversity and habitat potential of the extracted quarry, providing a variety of landscape restoration types including:

- Species rich grassland
- Native woodland block
- Native tree/shrub planting
- Exposed Quarry Faces
- Reedbeds to lake margins where restoration water levels allow

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