



ABERGELLI POWER PROJECT

PRELIMINARY ENVIRONMENTAL INFORMATION REPORT - FIGURES

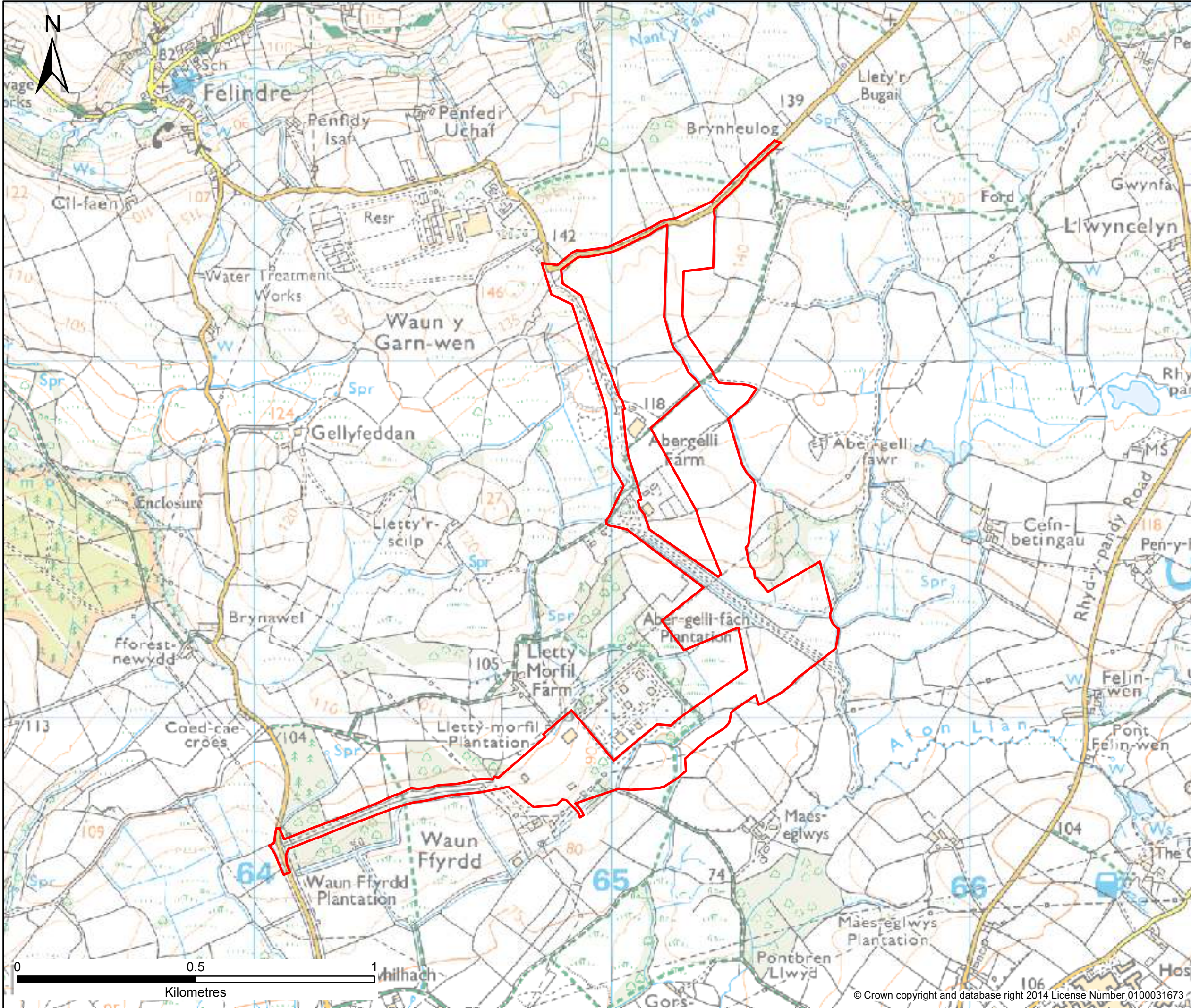
Abergelli Power Ltd

PB Ref: 287521A

PINS Ref: EN010069

CONTENTS

- 1.1 Site Location Plan
- 1.2 Site Location Plan and Opportunity Areas
- 1.3 Indicative Layout of Generating Equipment Site
- 2.1 Proposed Access Route Options
- 2.2 Proposed Access Route Option 2
- 2.3 Proposed Access Route Option 1
- 2.4 Proposed Access Route Option 1
- 4.1 Developments to be Considered in Cumulative Assessment
- 5.1 Indicative Cable Route and Typical Section
- 5.2 Gas Connection Route Options
- 8.1 Ecological Statutory Designated Sites
- 8.2 Ecological Non-Statutory Designated Sites
- 9.1 Surface Water Features
- 11.1 Site Location, Study Area, Viewpoints and Zone of Theoretical Visibility
- 11.2 Landscape Context
- 11.3 Landscape Character Areas
- 11.4 Preliminary Viewpoints
- 12.1 Local Highway Network
- 12.2 Junctions to be Considered for Further Study
- 12.4 Existing Pedestrian Footway Provision and Public Rights of Way Surrounding the Project Site Boundary
- 12.5 Cycle Routes Surrounding the Project Site Boundary
- 12.6 Public Transport Provision Surrounding the Project Site Boundary
- 13.1 Heritage Asset Location Plan
- 13.2 Heritage Assets within the Project Site



Project Site



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Client:



Site/Project:

Abergelli Power Project

Title:

Site Location Plan

Drawn: CD	Checked: JL
Designed: AH	Approved: AH
Date: 24/09/2014	Scale: 1:10,000 A3 Sheet:
Project Number:	Drawing Number:

287521A

Figure 1.1

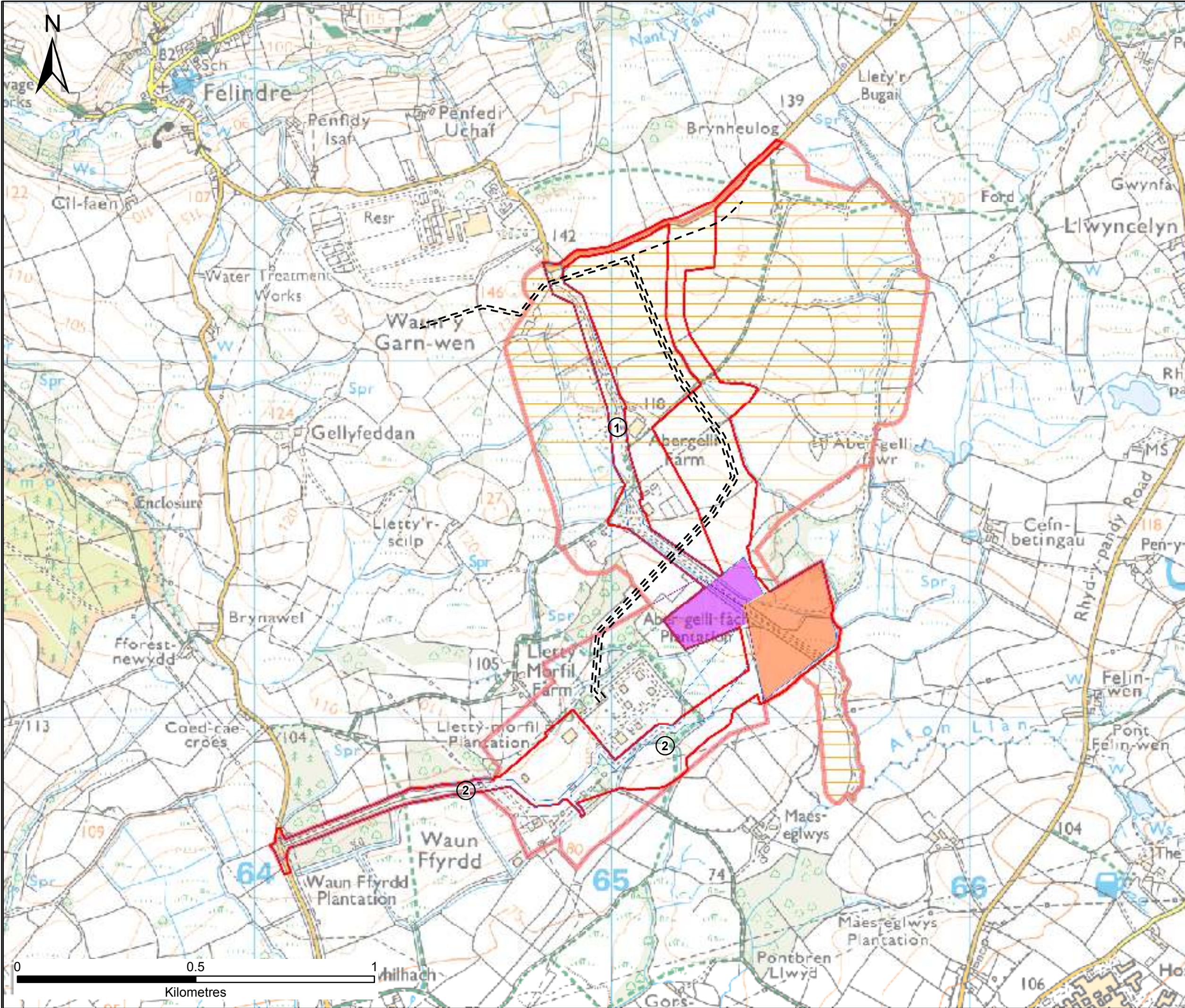
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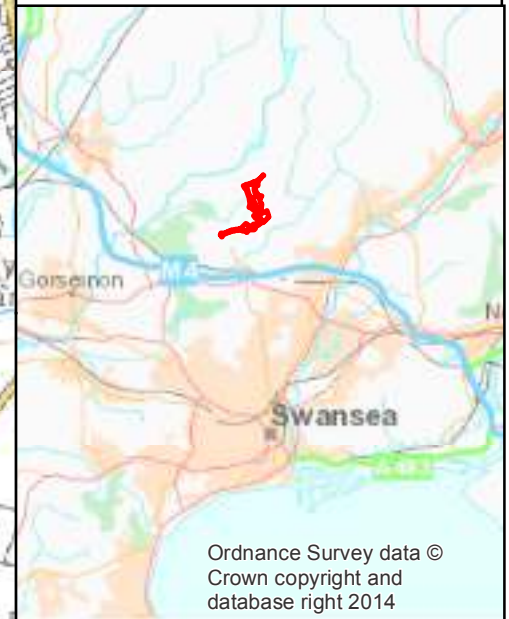
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File Name: \\EALON\FIL02\Data\GIS\287521A Abergelli Power Project\Mxd\PIER Report\ 20140811_287521A_1.2_Site_Location_Plan_and_Opportunity_Areas.mxd
Login: chris.davies
Plot Date: 01/10/2014



- Project Site
- Scoping Boundary
- NTS Pipeline
- Power Generation Plant Site
- Electricity Connection Opportunity Area
- Gas Connection Opportunity Area
- Laydown Area
- Generating Equipment Site
- ① Access Road Corridor Option 1
- ② Access Road Corridor Option 2



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DRAFT

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Client:

Abergelli power

Site/Project:

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Title:

Site Location Plan and Opportunity Areas

Drawn:	CD	Checked:	JL
Designed:	AH	Approved:	AH
Date:	01/10/2014	Scale:	1:10,000 A3 Sheet:
Project Number:	287521A	Drawing Number:	Figure 1.2
		Revision:	-

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LEGEND

PROJECT SITE BOUNDARY

Red Dashed Line

- Power Generation Plant - Turbine House
- Power Generation Plant - Gas Receiving Facility
- Power Generation Plant - Diesel Oil Compartment
- Power Generation Plant - Water Storage Tanks
- Power Generation Plant - Accumulation Pond
- Power Generation Plant - Control Room and S & E Office
- Power Generation Plant - Maintenance and Gas House
- Power Generation Plant - Maintenance Compound
- Power Generation Plant - Screening
- Power Generation Plant - Water Pipeline Casement

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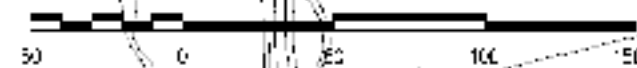
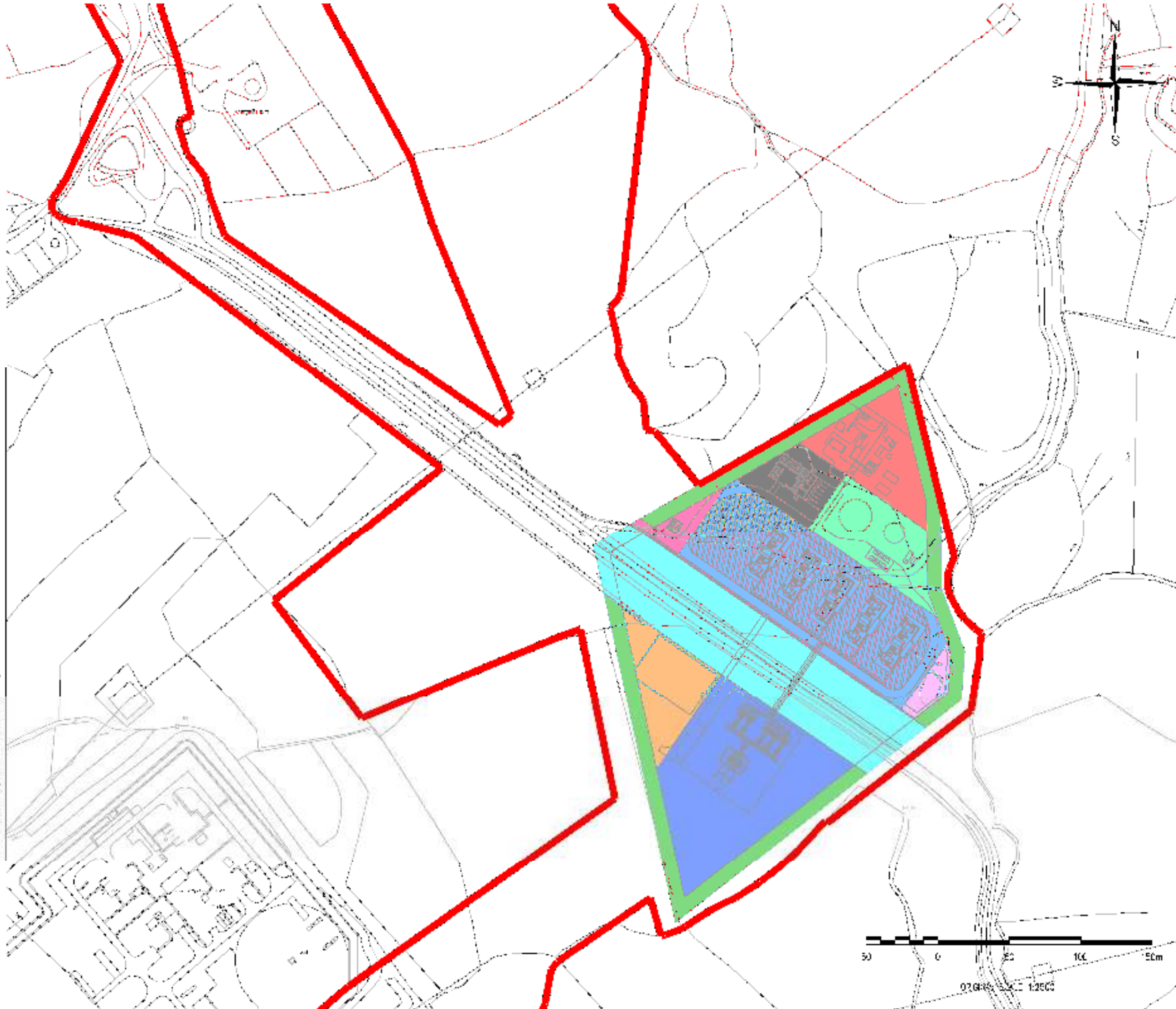
**Abergelli
power**

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POWER
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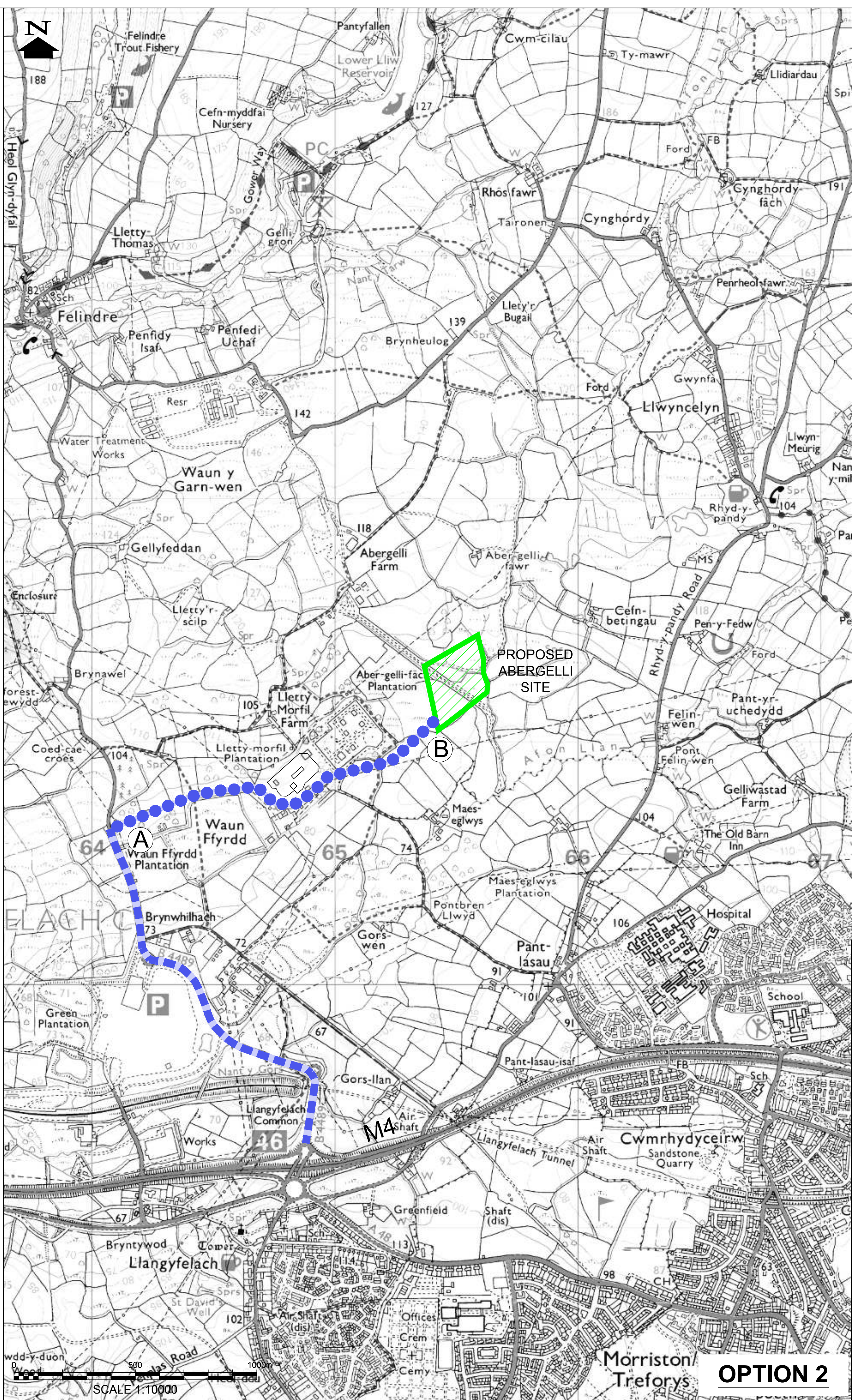
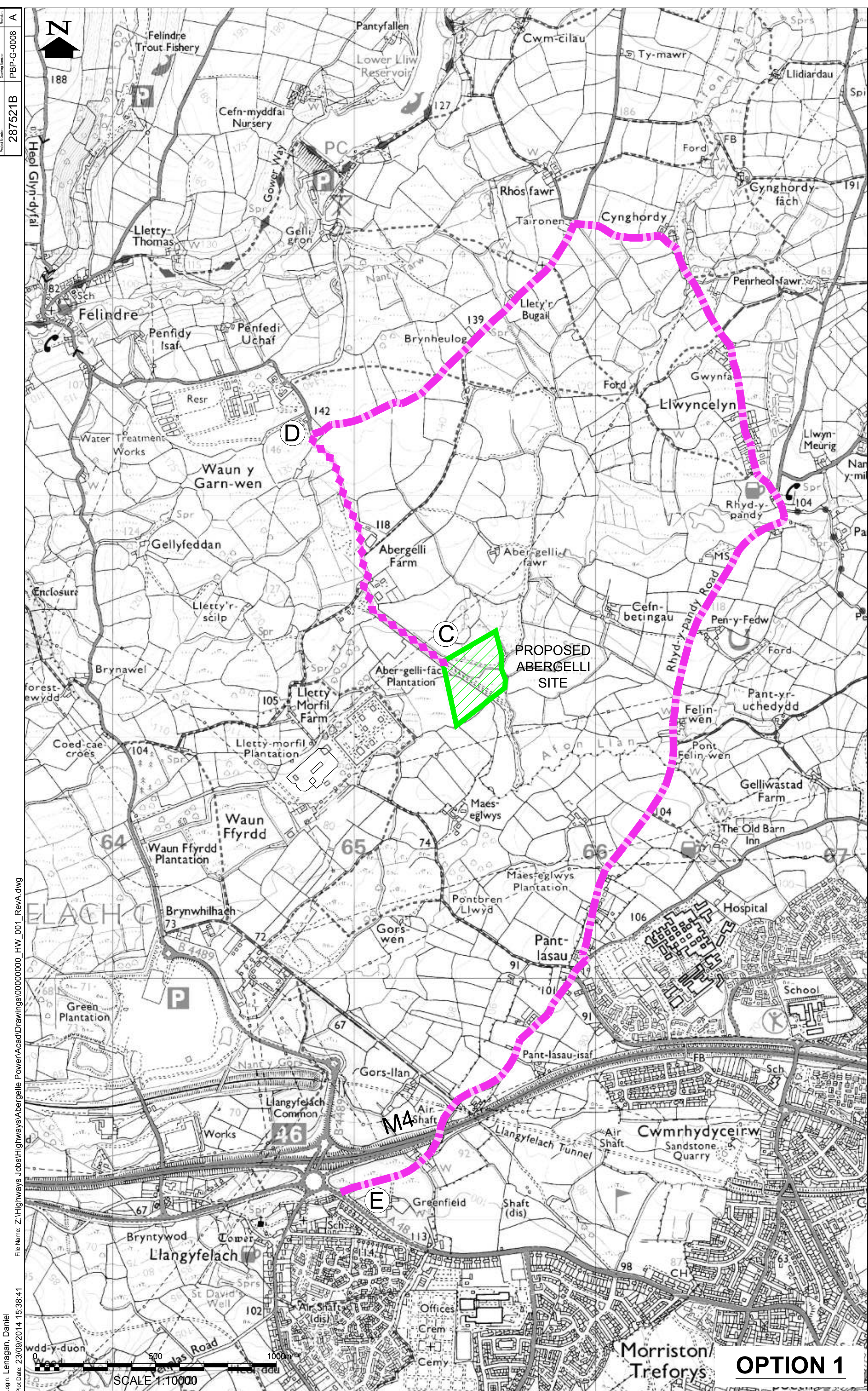
INDICATIVE LAYOUT
OF GENERATING
EQUIPMENT SITE

Drawn By	Checked By	Scale	Sheet No.
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20/02/14	20/02/14	1:1000	10

20/02/14 PBP-G-012 8



02/04/14 Scale 1:2500



- KEY**
- OPTION 1 - PUBLIC ROAD
 - OPTION 1 - PRIVATE ROAD
 - OPTION 2 - PUBLIC ROAD
 - OPTION 2 - PRIVATE ROAD

- NOTES**
- NEW 6m WIDE ACCESS TRACK TO BE CONSTRUCTED BETWEEN POINTS A AND B.
 - EXISTING TRACK TO BE WIDENED TO 6m WIDE BETWEEN POINTS C AND D
 - LOCALISED UPGRADES AND WIDENING TO BE UNDERTAKEN BETWEEN POINTS D AND E.

Rev	Date	Description	By	Chk	App

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Tel: 44-(0)161-200-5000
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Client: **Abergelli power**

Site/Project: **Abergelli Power Project**

Title: **PROPOSED ACCESS ROUTE OPTIONS**

Drawn: K. A. Hume	Checked: S. J. Robinson
Designed: S. J. Robinson	Approved: S. J. Robinson
Date: 27/01/2014	Scale: 1:10 000
Project Number: 287521B	Drawing Number: Figure 2.1
	Revision: A

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HEALTH AND SAFETY INFORMATION

SIGNIFICANT OR EXCEPTIONAL RISKS ARE IDENTIFIED BELOW

CONSTRUCTION PHASE

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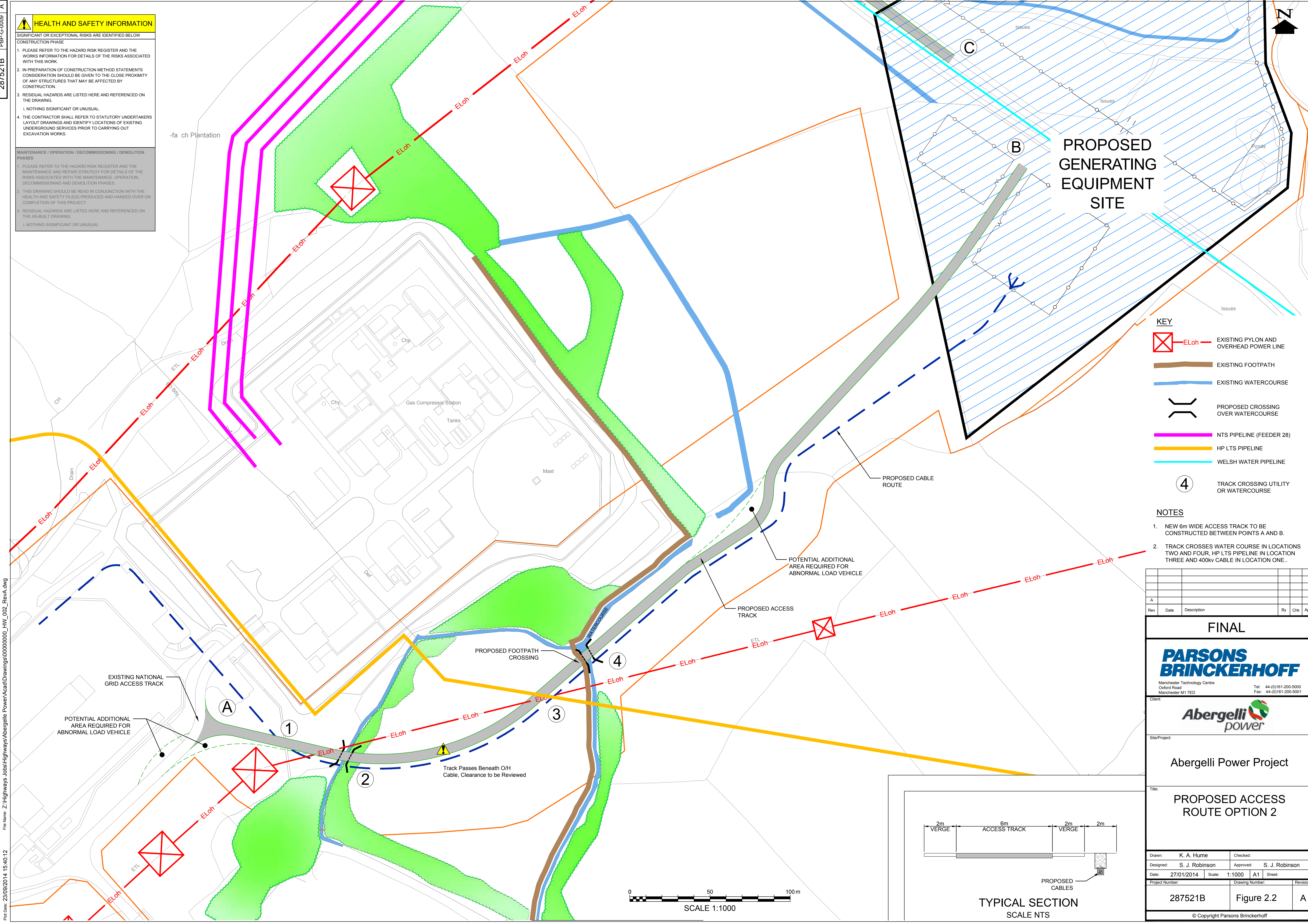
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KEY

E Loh

EXISTING PYLON AND OVERHEAD POWER LINE

EXISTING FOOTPATH

EXISTING WATERCOURSE

PROPOSED CROSSING OVER WATERCOURSE

NTS PIPELINE (FEEDER 28)

HP LTS PIPELINE

WELSH WATER PIPELINE

4

TRACK CROSSING UTILITY OR WATERCOURSE

- NOTES
1. NEW 6m WIDE ACCESS TRACK TO BE CONSTRUCTED BETWEEN POINTS A AND B.

2. TRACK CROSSES WATER COURSE IN LOCATIONS TWO AND FOUR, HP LTS PIPELINE IN LOCATION THREE AND 400kv CABLE IN LOCATION ONE..

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Abergelli Power Project

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PROPOSED ACCESS ROUTE OPTION 2

Drawn: K. A. Hume

Checked:

Designed: S. J. Robinson

Approved: S. J. Robinson

Date: 27/01/2014

Scale: 1:1000

A1

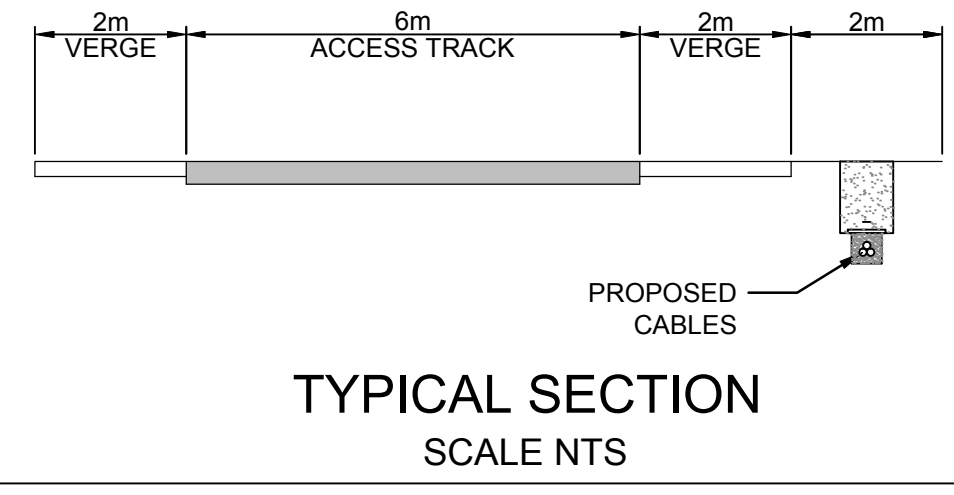
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KEY

ELOh

EXISTING PYLON AND OVERHEAD POWER LINE

EXISTING FOOTPATH

EXISTING WATERCOURSE

PROPOSED CROSSING OVER WATERCOURSE

NTS PIPELINE (FEEDER 28)

HP LTS PIPELINE

WELSH WATER PIPELINE

4

TRACK CROSSING UTILITY OR WATERCOURSE

NOTES

1. EXISTING TRACK TO BE WIDENED TO 6m BETWEEN POINTS C AND D.

2. TRACK CROSSES NTS PIPELINE IN LOCATIONS FIVE AND SIX.

3. WELSH WATER PIPELINE RUNS ADJACENT TO PATH.

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Abergelli
power

Site/Project:

Abergelli Power Project

Title:

PROPOSED ACCESS
ROUTE OPTION 1

Drawn: K. A. Hume

Checked:

Designed: S. J. Robinson

Approved: S. J. Robinson

Date: 27/01/2014

Scale: 1:1000

A1

Sheet: 1 OF 2

Project Number: 287521B

Drawing Number: Figure 2.3

Revision: A

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23/09/2014 15:40:37

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Login: Lenagan, Daniel

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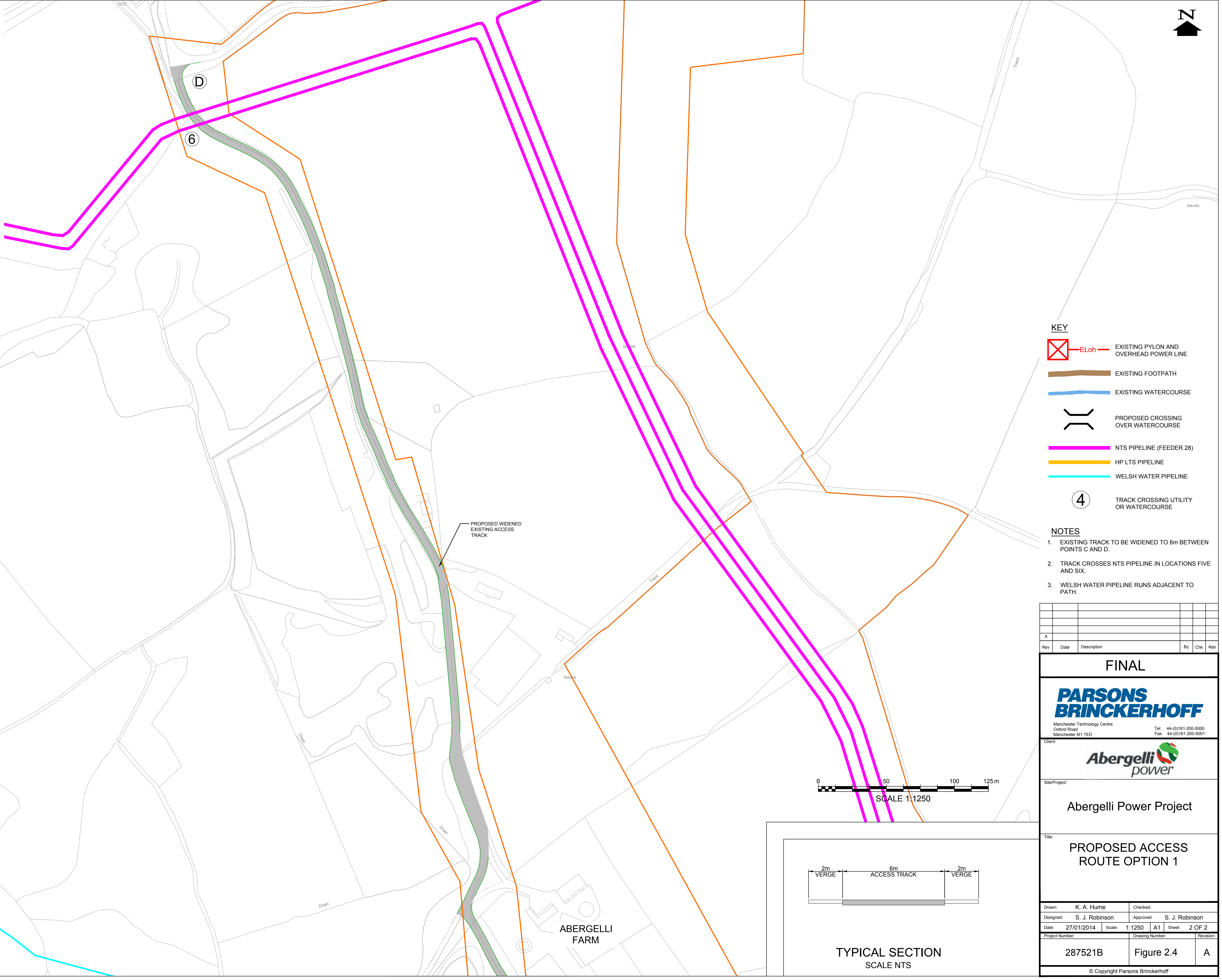
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1. NOTHING SIGNIFICANT OR UNUSUAL.



KEY

ELoh

EXISTING PYLON AND OVERHEAD POWER LINE

EXISTING FOOTPATH

EXISTING WATERCOURSE

PROPOSED CROSSING OVER WATERCOURSE

NTS PIPELINE (FEEDER 28)

HP LTS PIPELINE

WELSH WATER PIPELINE

4

TRACK CROSSING UTILITY OR WATERCOURSE

- NOTES
1. EXISTING TRACK TO BE WIDENED TO 6m BETWEEN POINTS C AND D.

2. TRACK CROSSES NTS PIPELINE IN LOCATIONS FIVE AND SIX.

3. WELSH WATER PIPELINE RUNS ADJACENT TO PATH.

A									
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Client:

Abergelli
power

Site/Project:

Abergelli Power Project

Title:

PROPOSED ACCESS
ROUTE OPTION 1

Drawn: K. A. Hume

Checked:

Designed: S. J. Robinson

Approved: S. J. Robinson

Date: 27/01/2014

Scale: 1:1250

A1

Sheet: 2 OF 2

Project Number:

Drawing Number:

Revision:

287521B

Figure 2.4

A

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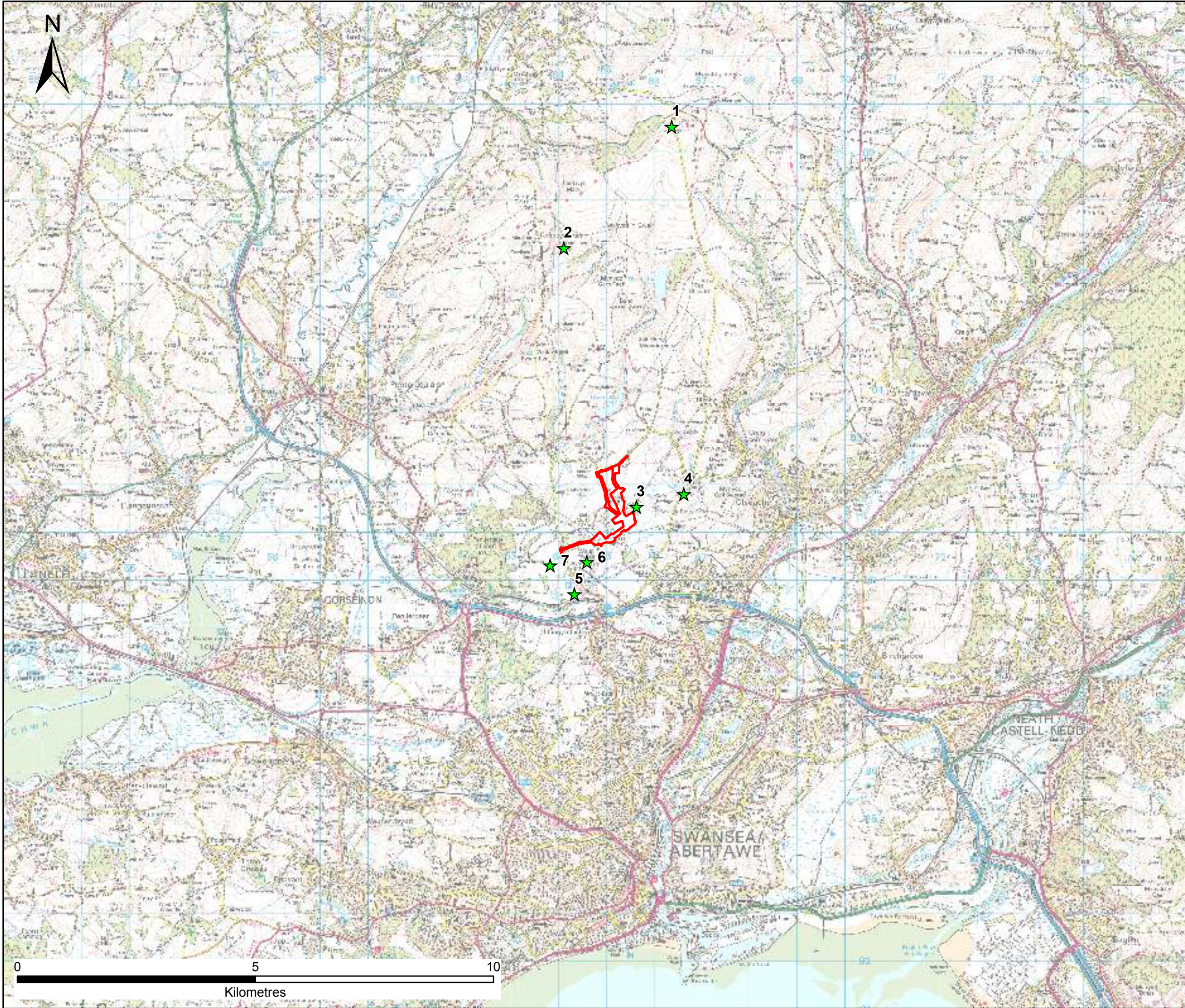
Diagram showing a cross-section of the access route. It consists of a central 'ACCESS TRACK' (6m wide) flanked by '2m VERGE' areas on both sides. Below the diagram is the text 'TYPICAL SECTION SCALE NTS'.

Login: Lenagan, Daniel

Plot Date: 23/09/2014 15:40:58

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Login: chris.davies
Plot Date: 26/09/2014



-  Project Site
-  Cumulative Development Site
- | ID | Name |
|----|---------------------------------------|
| 1 | Wind Farm at Mynydd y Gwair |
| 2 | Wind Farm at Tyle Coch Mawr |
| 3 | Abergelli Solar Farm |
| 4 | Rhyd-y-pandy Solar Park |
| 5 | Felindre Business Park |
| 6 | Brynwhilach Solar Park |
| 7 | Sustainable Urban Village at Felindre |

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power

Site/Project:

Abergelli Power Project

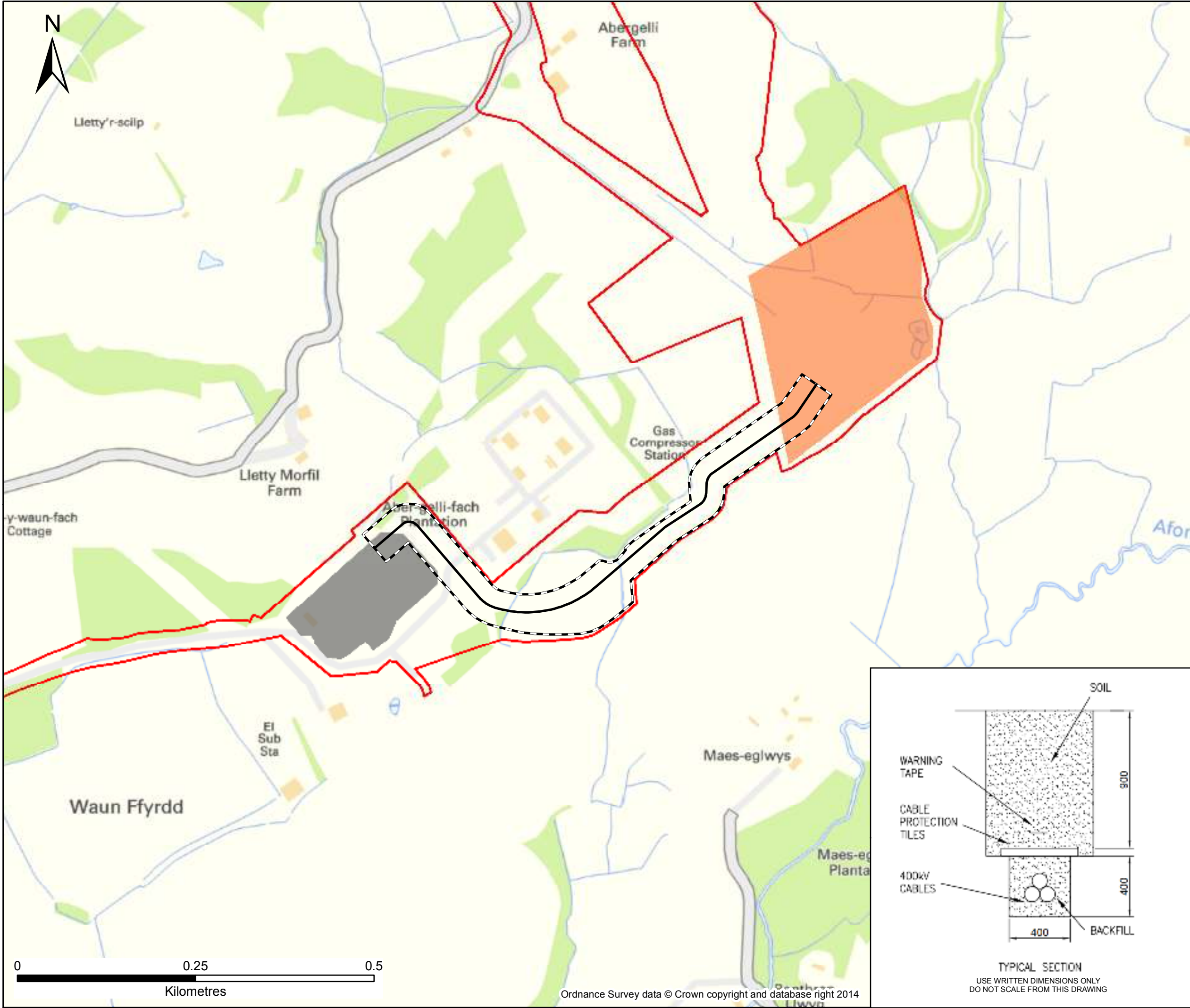
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Developments to be Considered
in Cumulative Assessment

Drawn:	CD	Checked:	KR
Designed:	KR	Approved:	AH
Date:	26/09/2014	Scale:	1:75,000
Project Number:	287521A	Drawing Number:	Figure 4.1
		Revision:	-

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File Name: \\EALONFIL02\Data\GIS\287521A Abergelli Power Project\Map\PIER Report\ 20140811_287521A_5.1 Indicative Cable Route and Typical Section.mxd
Login: chris.davies
Plot Date: 25/09/2014



- Project Site
- Indicative 400kV Cable Route
- Indicative Cable Corridor
- Generating Equipment Site
- Swansea North Substation

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Site/Project:

Abergelli Power Project

Title:

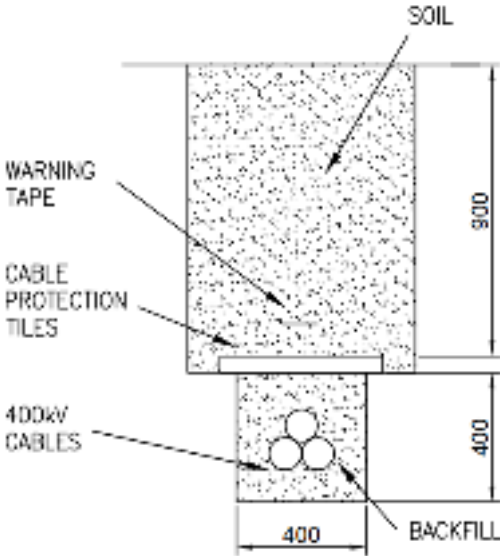
Indicative Cable Route
and Indicative Section

Drawn: CD	Checked: JL
Designed: AH	Approved: AH
Date: 24/09/2014	Scale: 1:5,000
Project Number:	Drawing Number:

287521A Figure 5.1

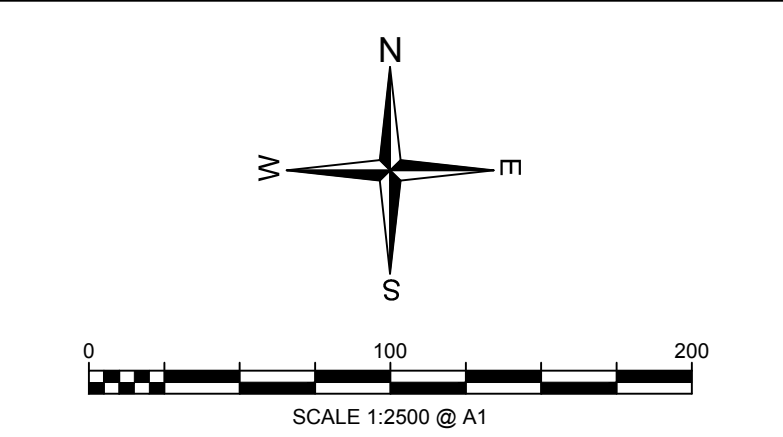
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TYPICAL SECTION
USE WRITTEN DIMENSIONS ONLY
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	Proposed Abergelli Power Site Boundary
	NTS Pipeline (Feeder 28)
	Center Line of Indicative Pipeline Route
	Limits of Deviation (30m width, expanded at crossing locations, restricted on street works)
	Temporary/construction land-take (50m width, expanded at crossing locations, restricted on street works)
	Water Pipeline
	400kV Overhead Power Lines

C	01/09/14	DRAFT ISSUE 3	M.E.	M.T.	M.D.
B	22/08/14	DRAFT ISSUE 2	C.A.	A.J.	M.D.
A	11/07/14	DRAFT ISSUE	C.A.	A.J.	M.D.
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Client:



Site/Project:

Abergelli Power Project

Title:

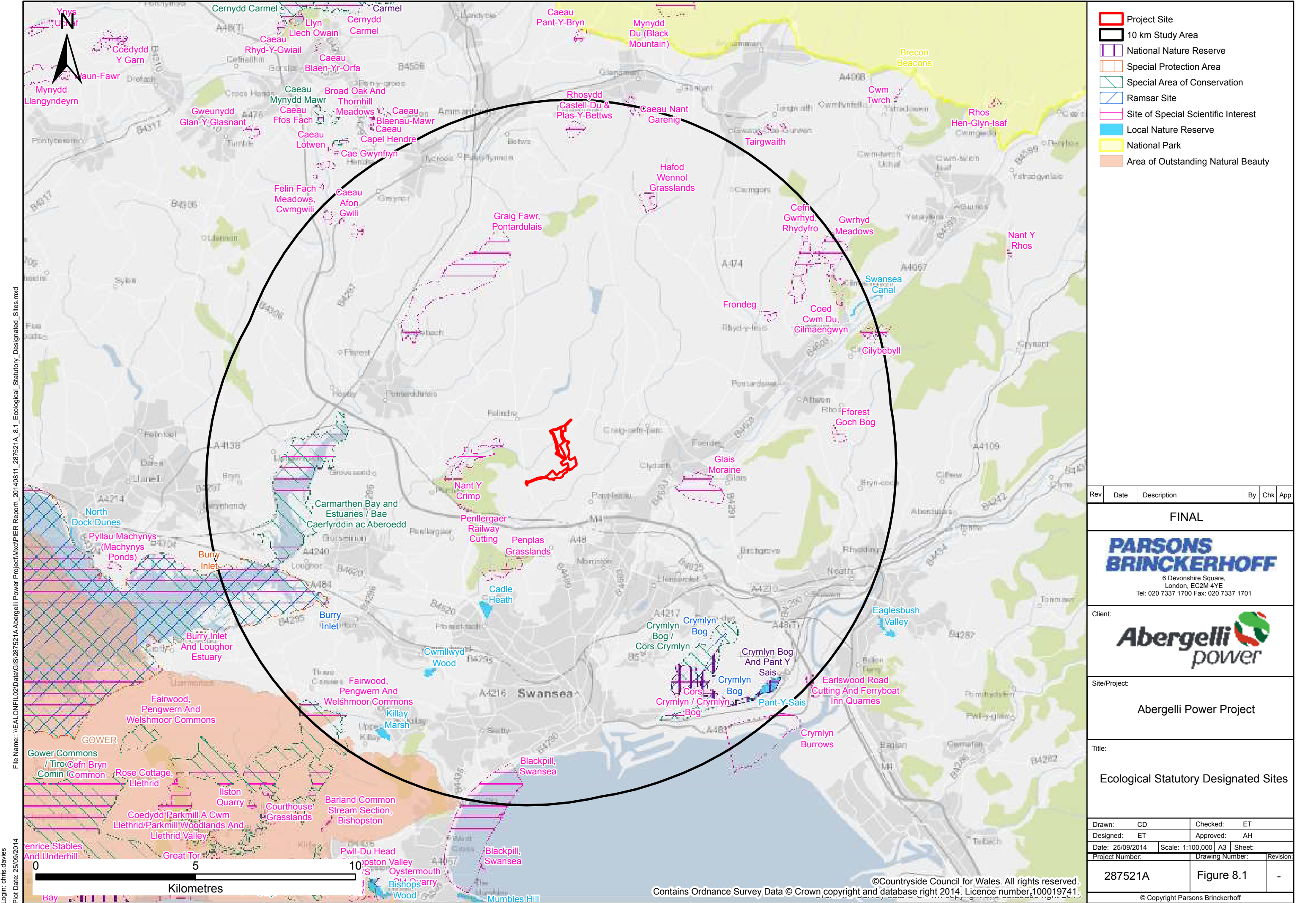
PRELIMINARY GAS SUPPLY ROUTE

Drawn: M.E.		Checked: M.T.	
Designed: M.E.		Approved: M.D.	
Date: 26/09/2014	Scale: 1:2500	A1	Sheet: 1 of 1
Project Number:		Drawing Number:	Revision:

287257A

Figure 5.2

C



- Project Site
- 10 km Study Area
- National Nature Reserve
- Special Protection Area
- Special Area of Conservation
- Ramsar Site
- Site of Special Scientific Interest
- Local Nature Reserve
- National Park
- Area of Outstanding Natural Beauty

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Abergelli power

Site/Project:

Abergelli Power Project

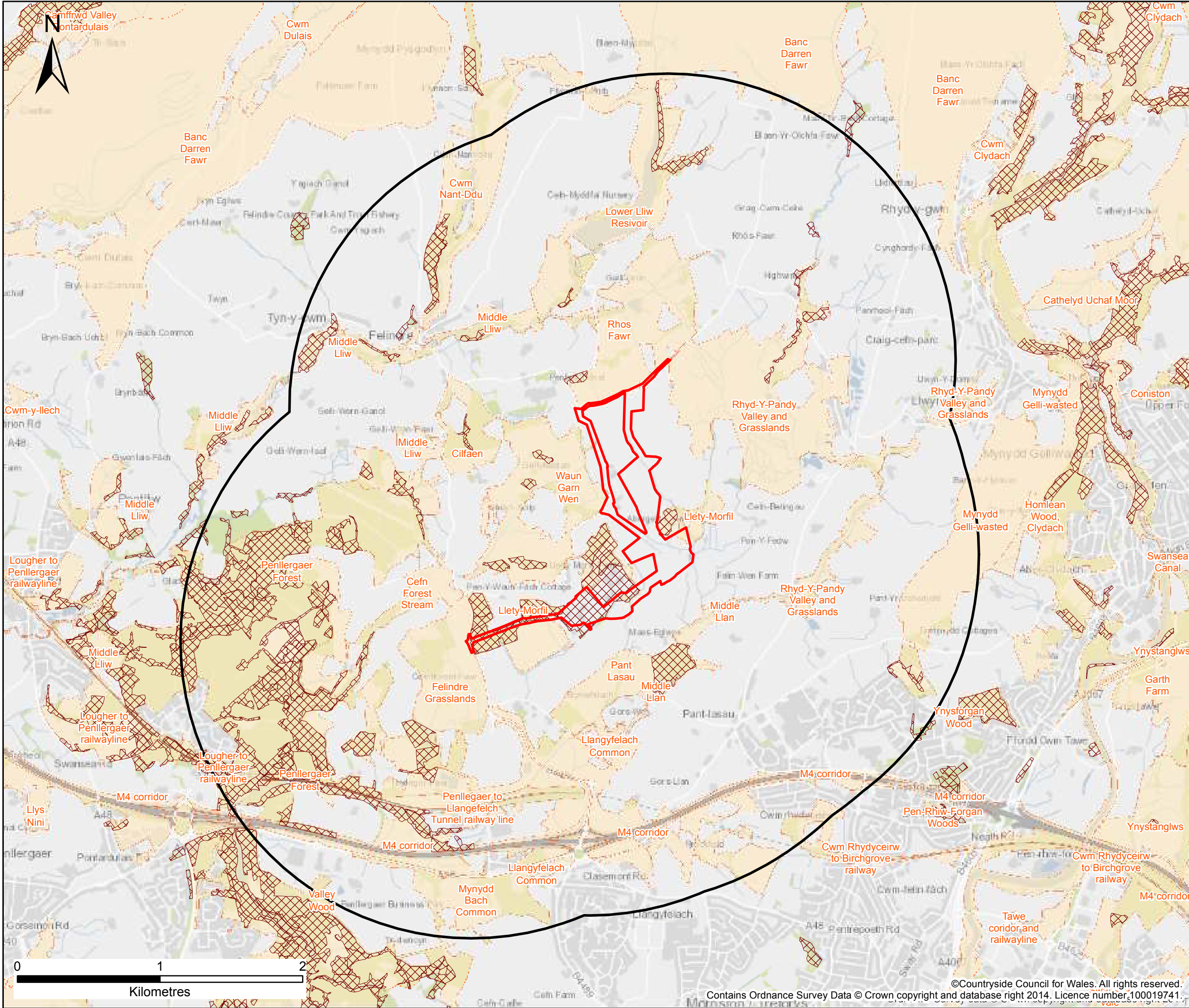
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Ecological Statutory Designated Sites

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Date: 25/09/2014	Scale: 1:100,000 A3 Sheet:
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File Name: \\EALONFIL02\Data\GIS\287521A Abergelli Power Project\Mxd\PIER Report_20140811_287521A_8_1_Ecological_Statutory_Designated_Sites.mxd
 Login: chris.davies
 Plot Date: 25/09/2014

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Login: chris.davies
Plot Date: 25/09/2014



- Project Site
- 2 km Study Area
- Ancient Woodland
- Site of Importance for Nature Conservation (SINC)

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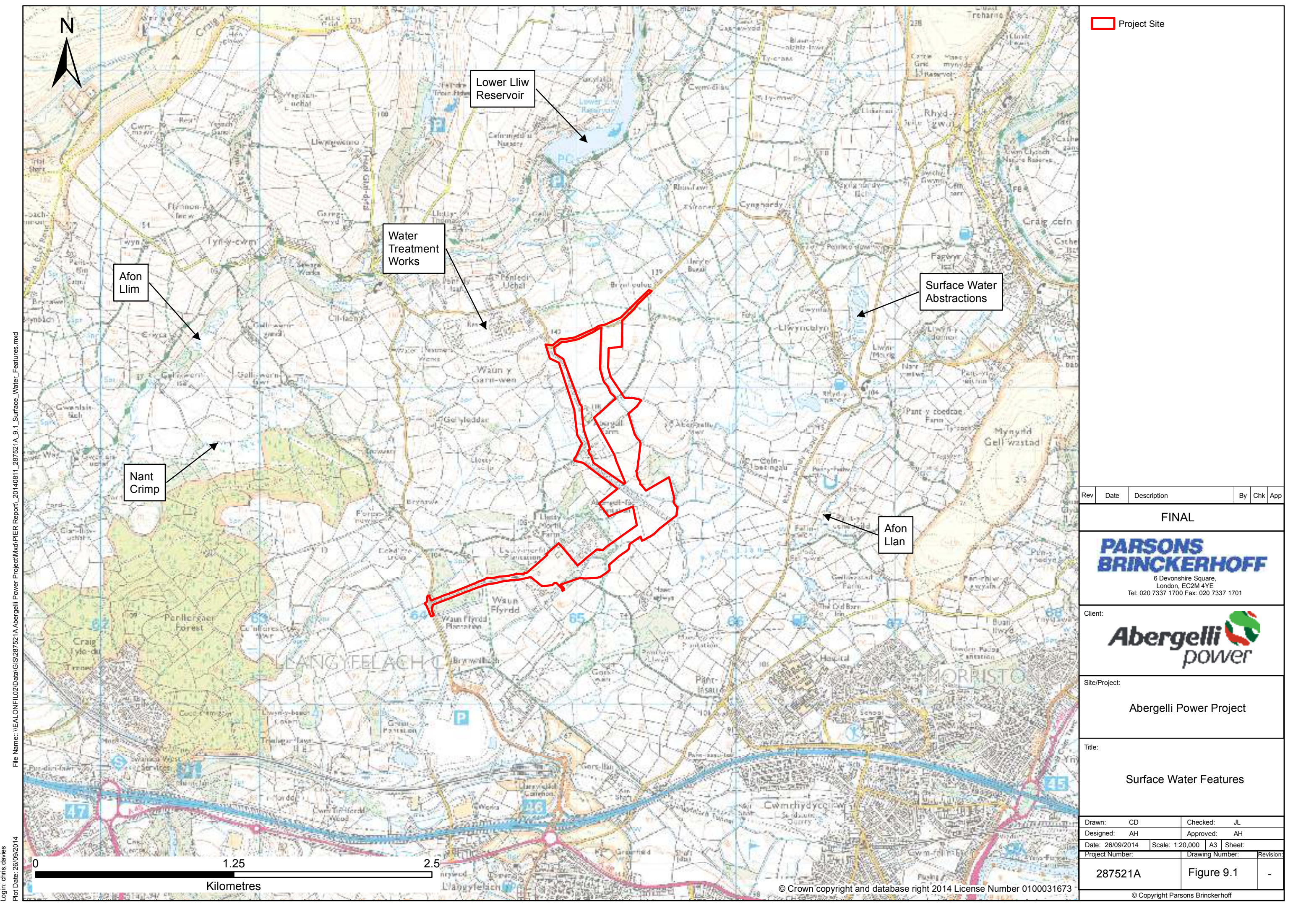
Site/Project:

Abergelli Power Project

Title:

Ecological Non-Statutory
Designated Sites

Drawn:	CD	Checked:	ET
Designed:	ET	Approved:	AH
Date:	25/09/2014	Scale:	1:25,000 A3 Sheet:
Project Number:	287521A	Drawing Number:	Figure 8.2
		Revision:	-



Project Site

Rev Date Description By Chk App

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Client:

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Site/Project:

Abergelli Power Project

Title:

Surface Water Features

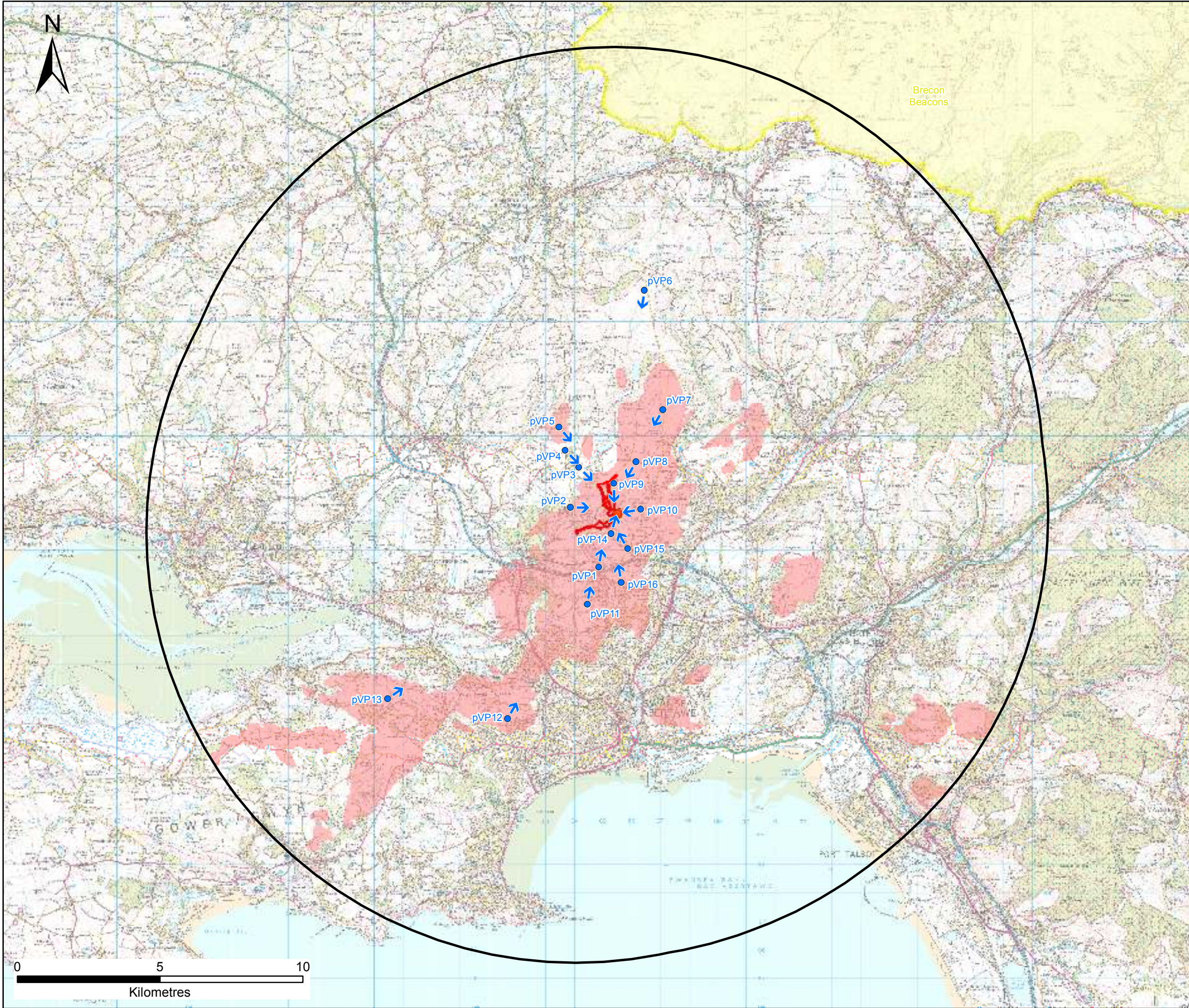
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Project Number: Drawing Number: Revision:

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Login: chris.davies
Plot Date: 25/09/2014



Project Site

15 km Study Area

Generating Equipment Site

National Park

Zone of Theoretical Visibility (ZTV)*

Indicative Area from which the Project would be visible

Viewpoint Location (arrow in direction of view)

pVP1

North side of J46 of M4

pVP2

Fforest-newydd

pVP3

Felindre/ Gower Trail

pVP4

Llwyngwenno

pVP5

Mynydd Pysgodlyn

pVP6

Penlle'r castell

pVP7

Tor Clawdd

pVP8

Cynghordy

pVP9

PRoW north of Aber-gelli fach

pVP10

Pen y Fedw

pVP11

Mynydd-Bach

pVP12

Camglas

pVP13

Three Crosses

pVP14

PRoW near Maes-eglwys farm

pVP15

Rhyd-y-pandy Rd/ PRoW/ farm access road

pVP16

South side of Long View Rd near the DVLA

* ZTV based on an observer height of 1.8m having visibility of the Generating Equipment Site with a maximum stack height of 40m. This does not take into account any screening from vegetation/buildings and is therefore a worst case scenario.

Rev	Date	Description	By	Chk	App
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London, EC2M 4YE
Tel: 020 7337 1700 Fax: 020 7337 1701

Client:

Abergelli
power

Site/Project:

Abergelli Power Project

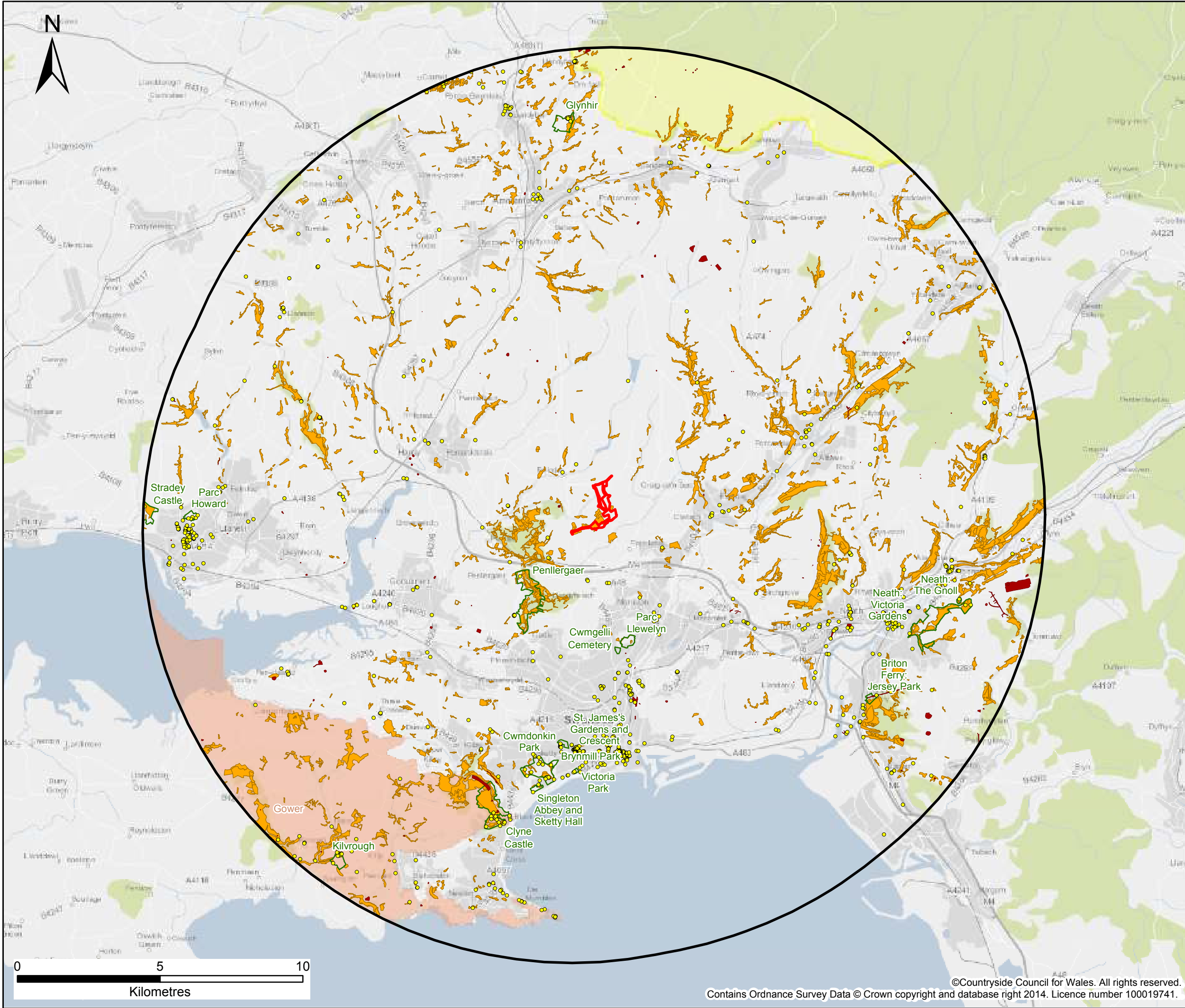
Title:

Site Location, Study Area, Viewpoints and Zone of Theoretical Visibility (ZTV)

Drawn:	CD	Checked:	KR
Designed:	KR	Approved:	AH
Date: 25/09/2014	Scale: 1:125,000	A3	Sheet:
Project Number:	Drawing Number:	Revision:	
287521A	Figure 11.1	-	

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File Name: \\EALONFIL02\Data\GIS\287521A Abergelli Power Project\Map\PIER Report_20140811_287521A_11.2_Landscape_Context.mxd
Login: chris.davies
Plot Date: 25/09/2014



Project Site

15 km Study

Listed Building

Scheduled Monument

Park and Garden

Ancient Woodland

Brecon Beacons National Park

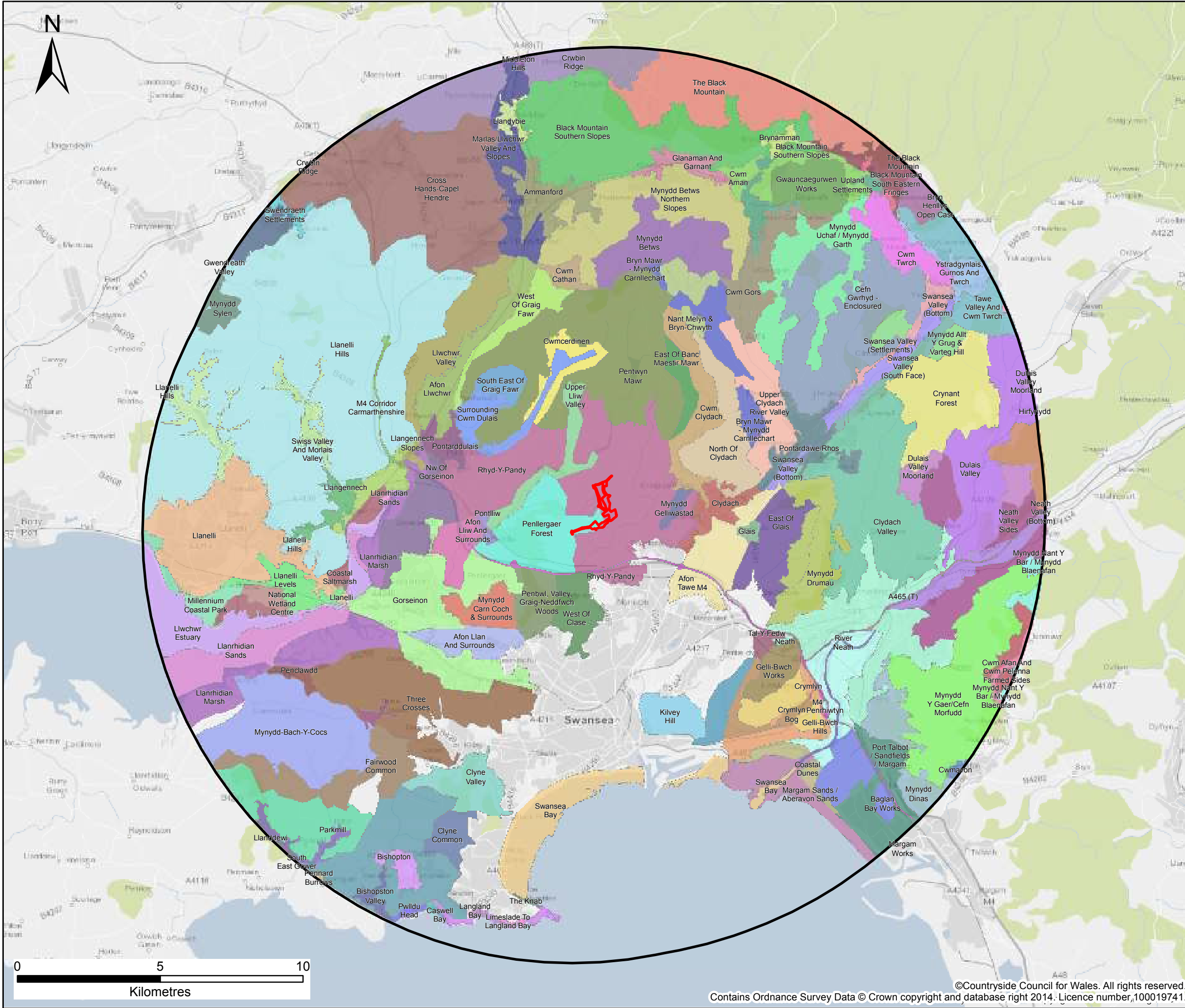
Area of Outstanding Natural Beauty

Rev	Date	Description	By	Chk	App
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Client: Abergelli power					
Site/Project: Abergelli Power Project					
Title: Landscape Context					
Drawn: CD		Checked: KR			
Designed: KR		Approved: AH			
Date: 25/09/2014		Scale: 1:125,000 A3		Sheet:	
Project Number:		Drawing Number:		Revision:	
287521A		Figure 11.2		-	
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File Name: \\EALONFIL02\Data\GIS\287521A Abergelli Power Project\Mxd\PIER Report_20140811_287521A_11.3_Landscape_Character_Areas.mxd
Login: chris.davies
Plot Date: 25/09/2014



Project Site

15 km Study Area

Landscape Character Area

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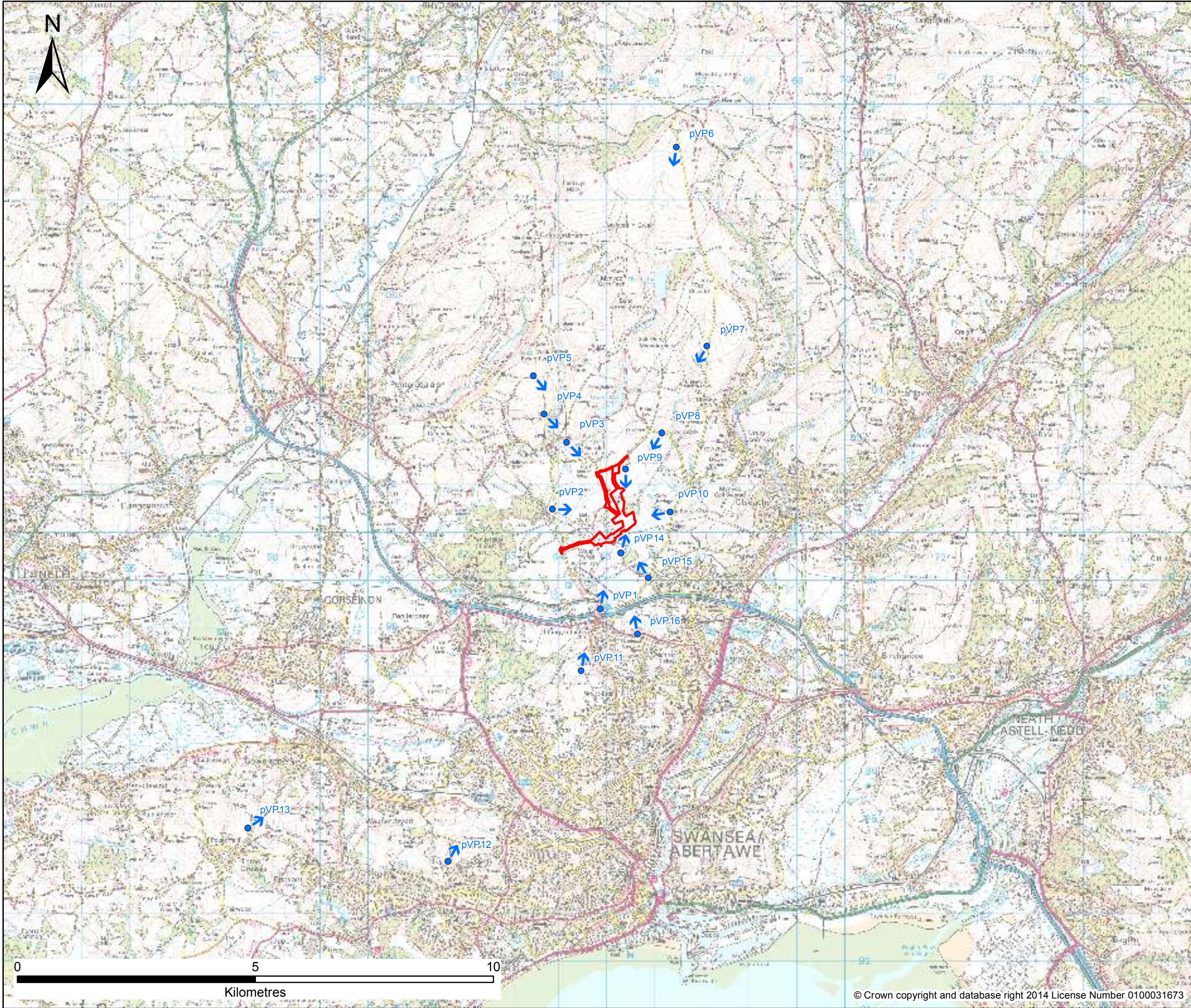
Title:

Landscape Character Areas

Drawn:	CD	Checked:	KR
Designed:	KR	Approved:	AH
Date: 25/09/2014	Scale: 1:124,946	A3	Sheet:
Project Number:	Drawing Number:	Revision:	
287521A	Figure 11.3	-	

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File Name: \\EALONFIL02\Data\GIS\287521A Abergelli Power Project\Map\PIER Report\ 20140811_287521A_11.4_Preliminary_Viewpoints.mxd
Login: chris.davies
Plot Date: 25/09/2014



-  Project Site
-  Viewpoint Location (arrow in direction of view)

- pVP1** North side of J46 of M4
- pVP2** Fforest-newydd
- pVP3** Felindre/ Gower Trail
- pVP4** Llwyngwenno
- pVP5** Mynydd Pysgodlyn
- pVP6** Penlle'r castell
- pVP7** Tor Clawdd
- pVP8** Cynghordy
- pVP9** PRoW north of Aber-gelli fach
- pVP10** Pen y Fedw
- pVP11** Mynydd-Bach
- pVP12** Camglas
- pVP13** Three Crosses
- pVP14** PRoW near Maes-eglwys farm
- pVP15** Rhyd-y-pandy Rd/ PRoW/ farm access road
- pVP16** South side of Long View Rd near the DVLA

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Site/Project:

Abergelli Power Project

Title:

Preliminary Viewpoints

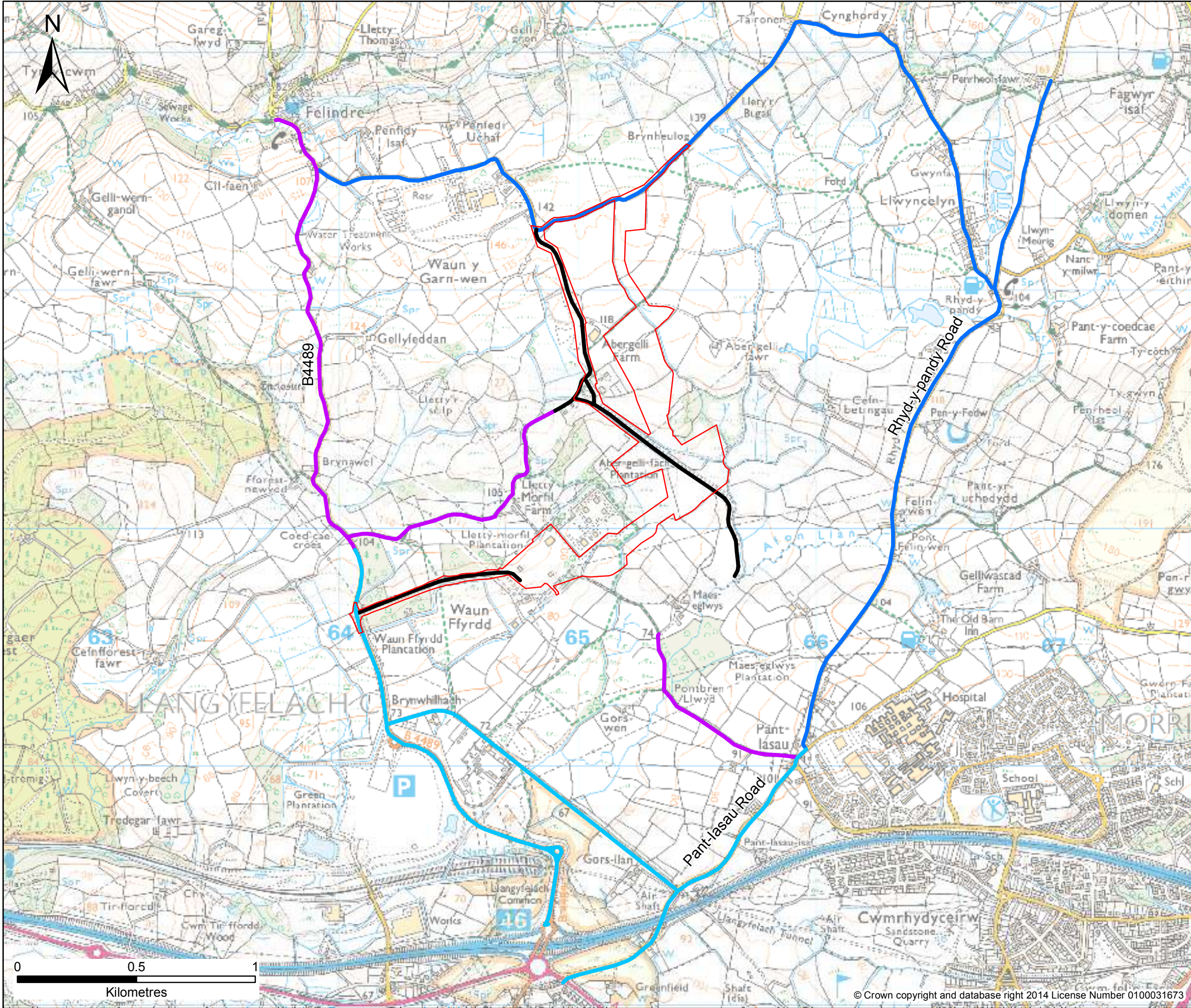
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Designed: KR	Approved: AH
Date: 25/09/2014	Scale: 1:75,000 A3 Sheet:
Project Number:	Drawing Number: Revision:

287521A

Figure 11.4

-

File Name: \\EALONFIL02\Data\GIS\287521A Abergelli Power Project\Map\PIER Report\ 20140811_287521A_12_1_Local_Highway_Network.mxd
Login: chris.davies
Plot Date: 25/09/2014



Project Site

Narrow rural road

Single-carriageway

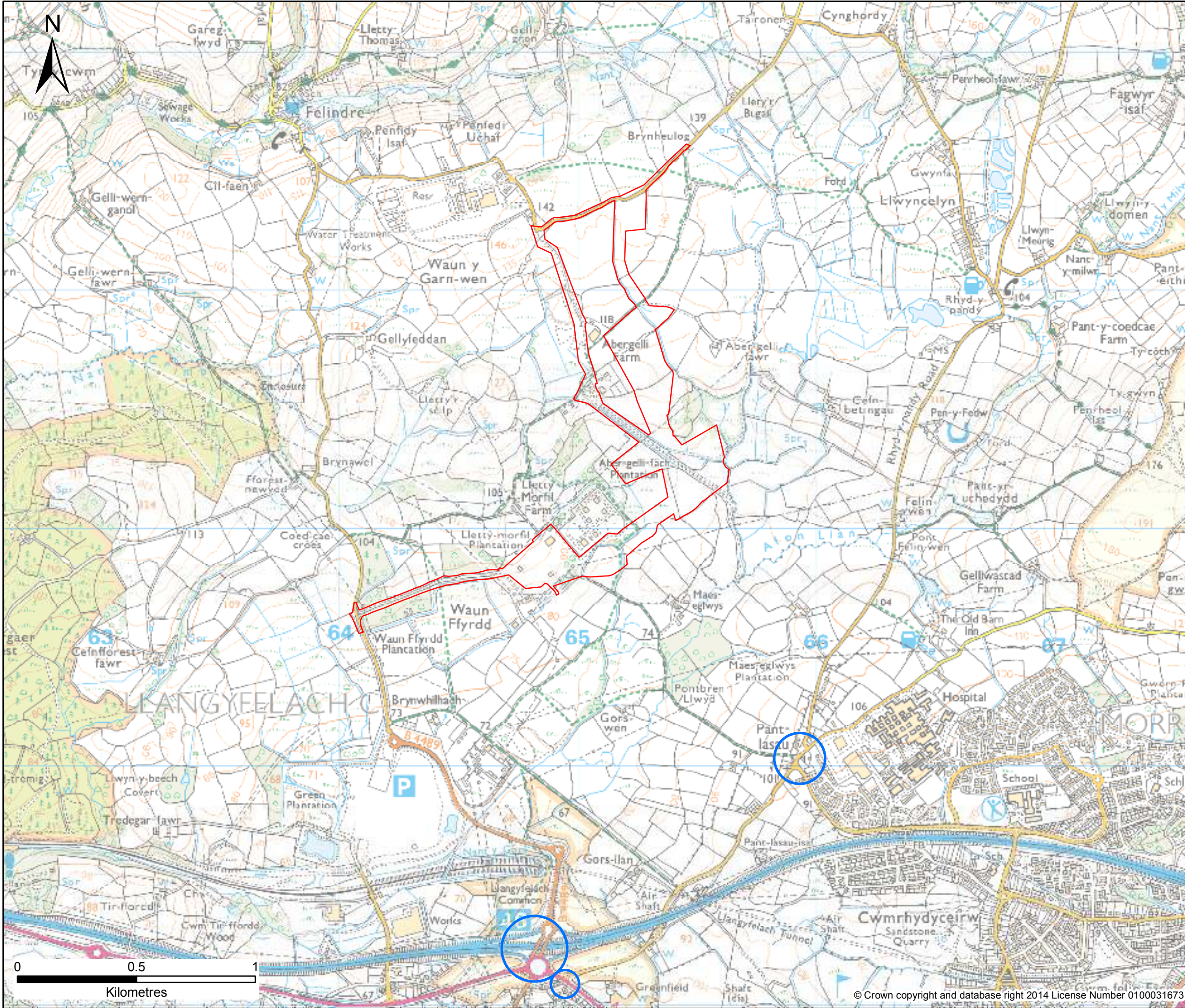
Varying between narrow rural road & single-carriageway

Private means of access

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Client: Abergelli power					
Site/Project: Abergelli Power Project					
Title: Local Highway Network					
Drawn: CD		Checked: CW			
Designed: AH		Approved: AH			
Date: 25/09/2014		Scale: 1:15,000	A3	Sheet:	
Project Number:		Drawing Number:		Revision:	
287521A		Figure 12.1		-	

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File Name: \\EALONFIL02\Data\GIS\287521A Abergelli Power Project\Map\PIER Report\ 20140811_287521A_12.2_Junctions_to_be_Considered_for_Further_Study.mxd
Login: chris.davies
Plot Date: 25/09/2014



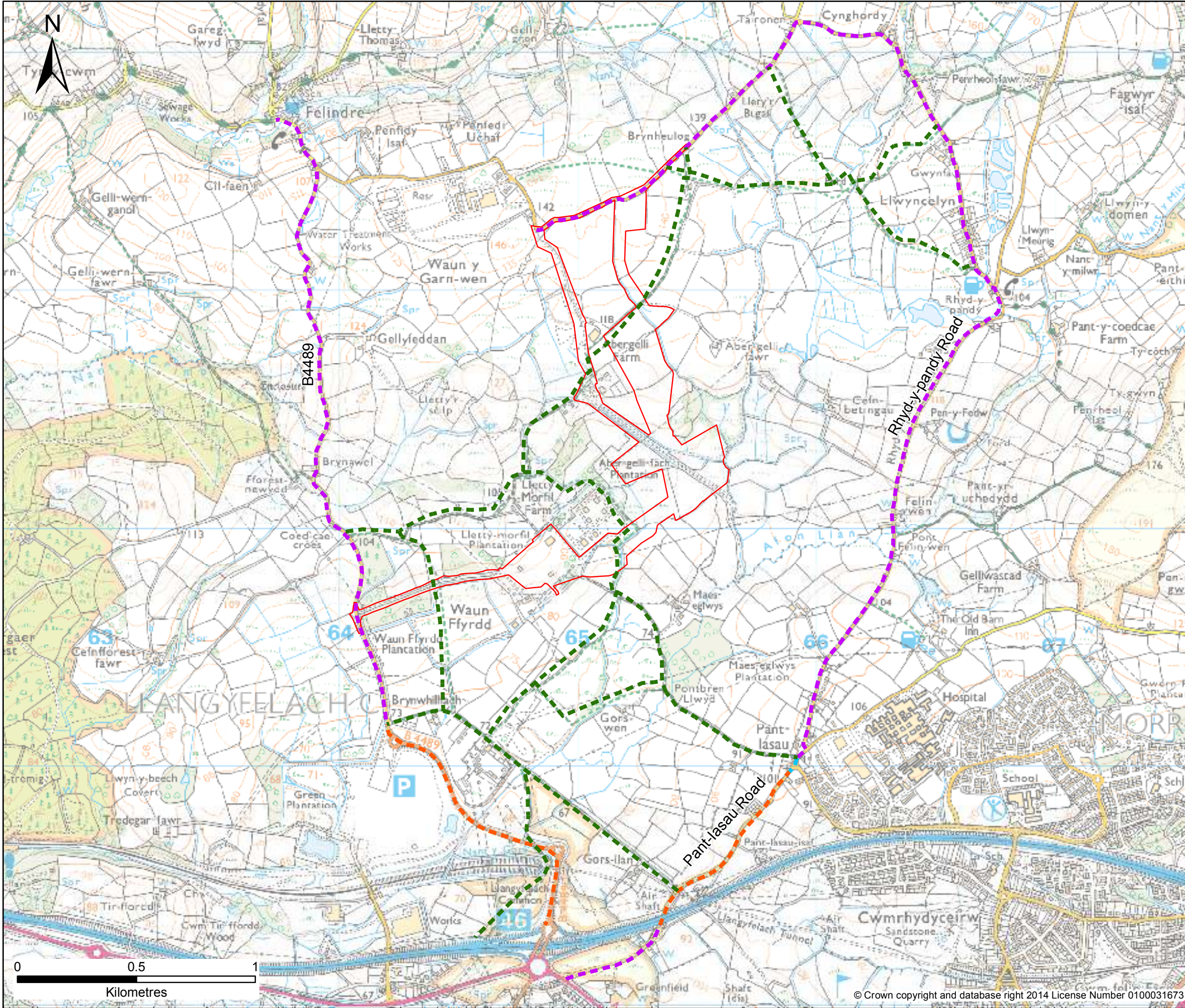
Project Site

Identified Junctions

Rev	Date	Description	By	Chk	App
FINAL					
PARSONS BRINCKERHOFF 6 Devonshire Square, London, EC2M 4YE Tel: 020 7337 1700 Fax: 020 7337 1701					
Client: Abergelli power					
Site/Project: Abergelli Power Project					
Title: Junctions to be Considered for Further Study					
Drawn: CD		Checked: CW			
Designed: AH		Approved: AH			
Date: 25/09/2014		Scale: 1:15,000	A3	Sheet:	
Project Number:		Drawing Number:		Revision:	
287521A		Figure 12.2		-	

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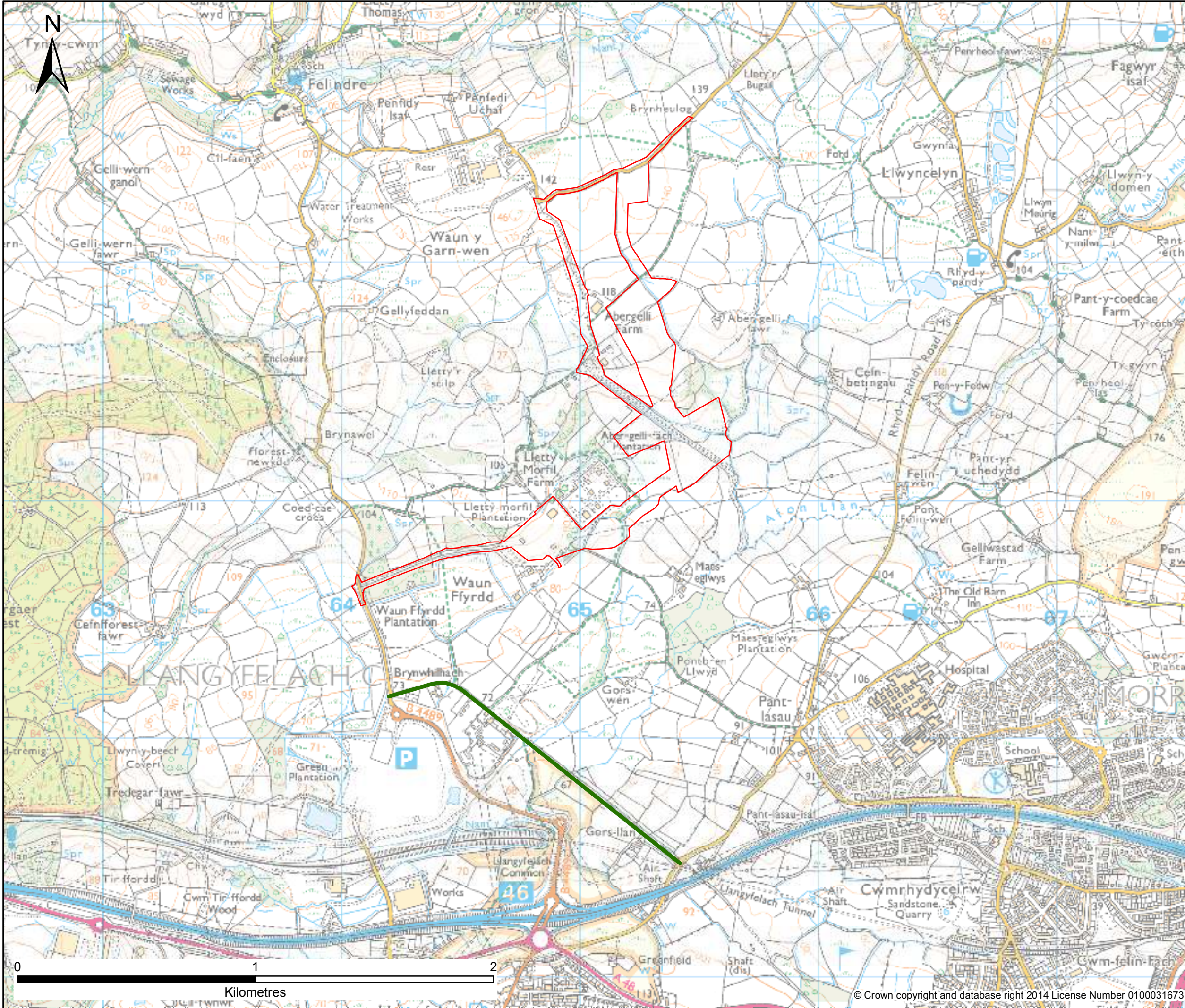
File Name: \\EALONFIL02\Data\GIS\287521A Abergelli Power Project\Map\PIER Report\ 20140811_287521A_12.4_Existing_Pedestrian_Footway_Provision.mxd
Login: chris.davies
Plot Date: 25/09/2014



- Project Site
- No footway
- Footway on one side of the road
- Footway oin both sides of the road
- Public Right of Way

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FINAL					
 6 Devonshire Square, London, EC2M 4YE Tel: 020 7337 1700 Fax: 020 7337 1701					
Client: 					
Site/Project: Abergelli Power Project					
Title: Existing Pedestrian Footway Provision and Public Rights of Way Surrounding the Project Site Boundary					
Drawn: CD		Checked: CW			
Designed: AH		Approved: AH			
Date: 24/09/2014		Scale: 1:15,000		A3 Sheet:	
Project Number:		Drawing Number:		Revision:	
287521A		Figure 12.4		-	
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File Name: \\EALON\FI02\Data\GIS\287521A Abergelli Power Project\Map\PIER Report\ 20140811_287521A_12.5_Cycle_Routes.mxd
Login: chris.davies
Plot Date: 24/09/2014



- Project Site
- Traffic-free Cycle Route*

* Source: sustrans.org.uk

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Site/Project:

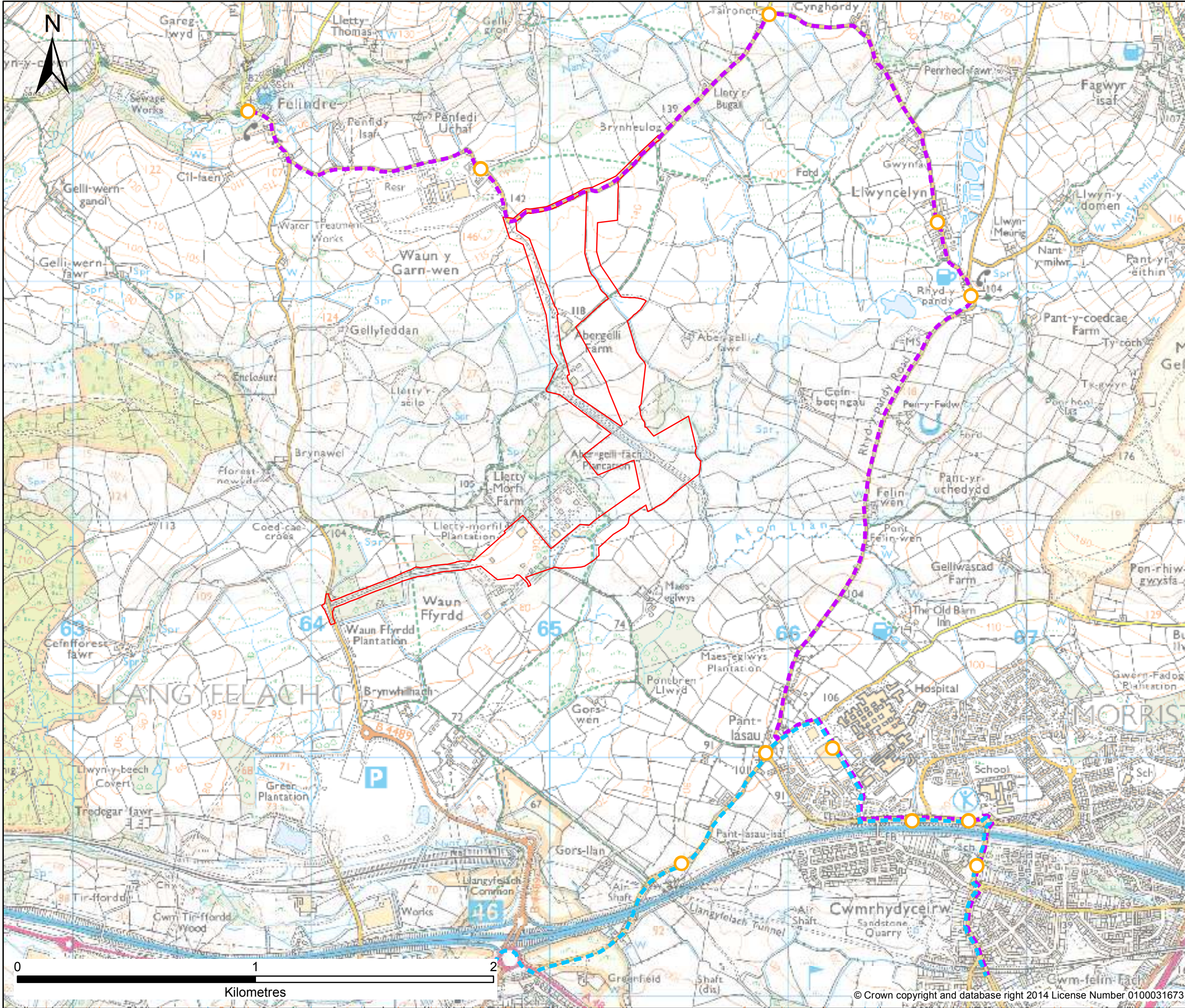
Abergelli Power Project

Title:

Cycle Route Surrounding
the Project Site Boundary

Drawn: CD		Checked: CW	
Designed: AH		Approved: AH	
Date: 24/09/2014	Scale: 1:15,000	A3	Sheet:
Project Number:		Drawing Number:	
287521A		Figure 12.5	
		Revision:	
		-	

File Name: \\EALONFI02\Data\GIS\287521A Abergelli Power Project\Map\PIER Report\ 20140811_287521A_12.6_Public_Transport_Provision.mxd
Login: chris.davies
Plot Date: 24/09/2014



- Project Site
- Bus Stop
- South Wales Bus Route 141
- South Wales Bus Route 142

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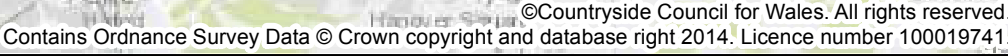
Site/Project:

Abergelli Power Project

Title:

Public Transport Provision Surrounding
the Project Site Boundary

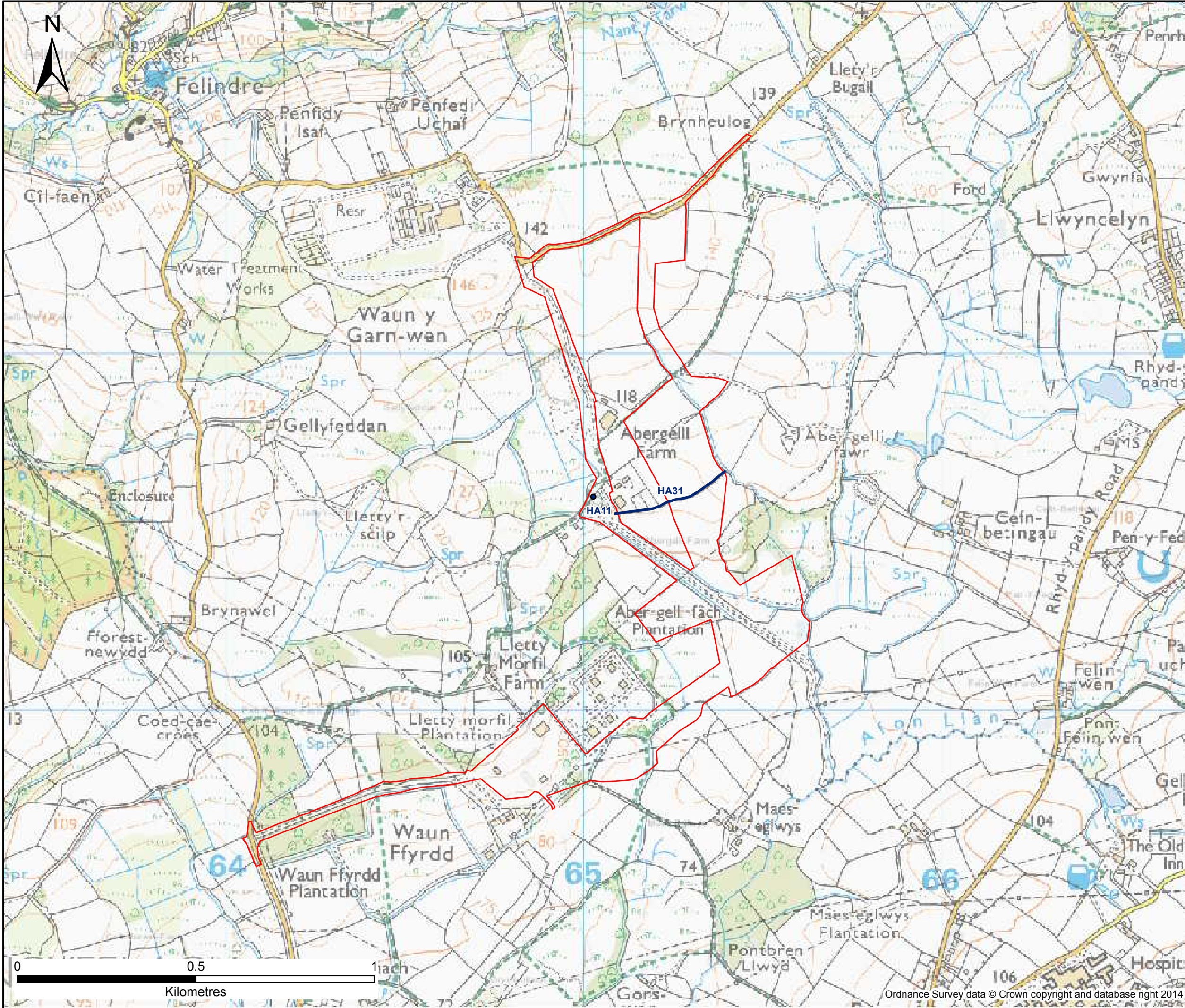
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Designed:	AH	Approved:	AH
Date:	24/09/2014	Scale:	1:15,000 A3 Sheet:
Project Number:	287521A	Drawing Number:	Figure 12.6
		Revision:	-



HA29	Site of Aber-gelli-lawr
HA31	Potentially Ancient Hedgerow
HA32	Aber-gelli Colliery and associated tramway

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File Name: \\EALONFIL02\Data\GIS\287521A Abergelli Power Project\Mxd\PIER Report_20140811_287521A_13.2_Heritage_Asset_within_the_Scheme_Area.mxd
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- Project Site
- Non Designated Heritage Asset
- Non Designated Heritage Linear Asset

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Client:



Site/Project:

Abergelli Power Project

Title:

Heritage Asset within the Project Site

Drawn: CD		Checked: CV	
Designed: CV		Approved: AH	
Date: 25/09/2014	Scale: 1:10,000	A3	Sheet:
Project Number:		Drawing Number:	Revision:

287521A Figure 13.2 -