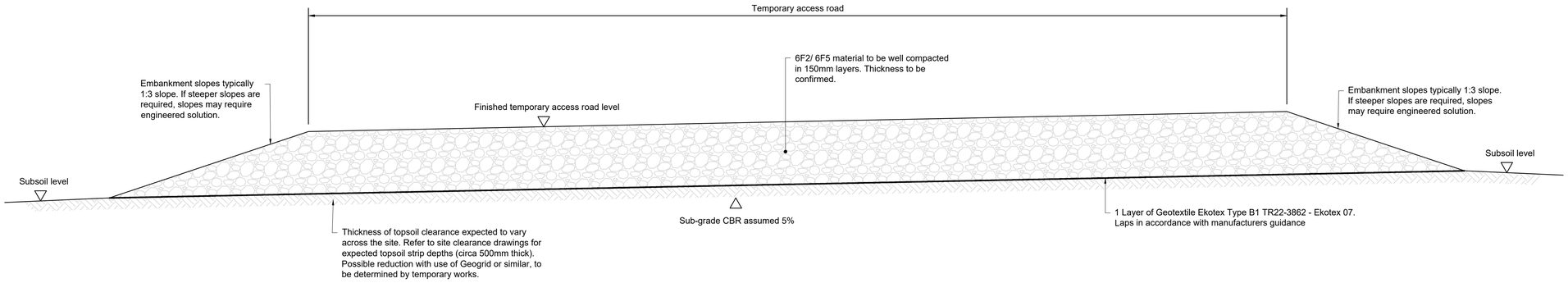
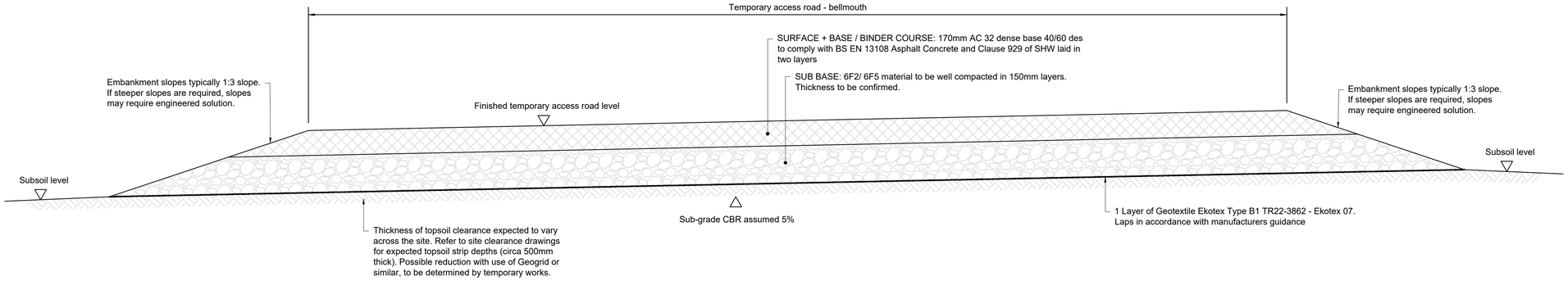


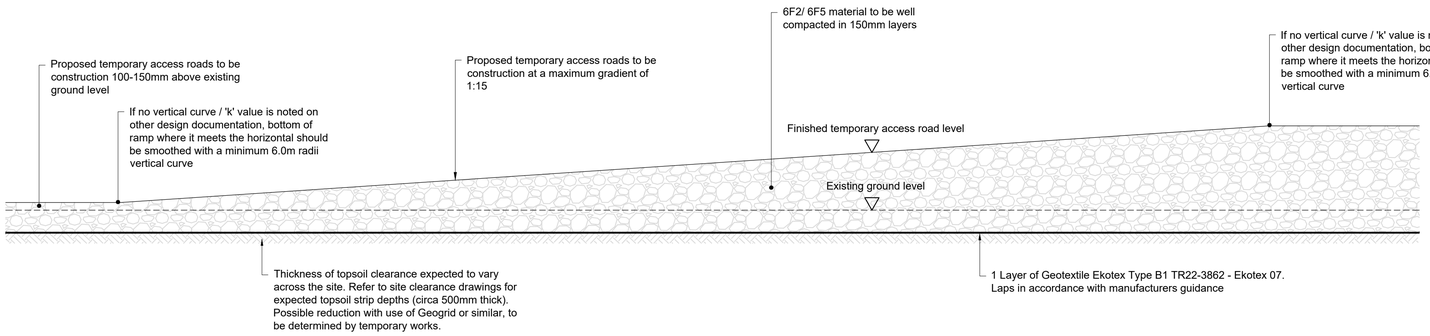
Typical Section A - Temporary Access Road

Scale 1:20



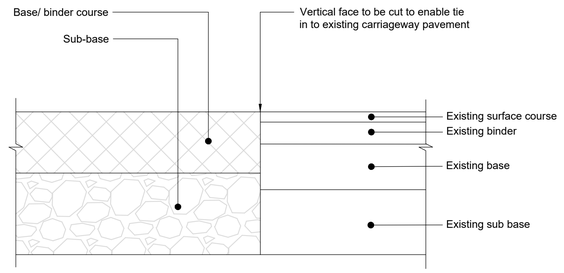
Typical Section C - Asphalt Surfaced Temporary Bellmouth

Scale 1:20



Typical Longsection of Access Road Ramp

Not to Scale



Longitudinal Interface Between New and Existing Carriageway Pavement

Scale 1:10

0 0.1 0.2 0.3 0.4 0.5 1.0 Metres

Scale 1:20

Notes

1. Do not scale from this drawing.
2. All dimensions in millimetres unless otherwise stated.
3. Anticipated minimum 100mm strip of organics prior to haul road construction. Thickness expected to vary across the site.
4. Any temporary works including, needling, shoring, strutting and propping shall be determined on site.
5. Reference shall be made to HSG47 - avoiding danger from underground services and document GS6 - avoiding danger from overhead electric lines.
6. Highways in vicinity of works to be kept free from mud, debris and dust during the construction process.
7. The SHW acronym refers to the Manual of Contract Documents for highways works - Volume 1 Specification for highway works.
8. Where CBR is less than 2.5% subgrade improvement must be undertaken in the form of 500mm remove and replace, using Class 6A, 6B, 6C or 6D to SHW - Series 600 table 6/1 or another ground improvement method to increase the CBR to above 2.5%.
9. Existing or planed horizontal or existing surfaces to accept bituminous materials shall be sprayed with bituminous tack coat C40 B4 to BS 594987.
10. Where new bituminous material abuts existing material, the exposed joint shall be saw cut to provide a true vertical face. The cut face shall be primed with bitumen.

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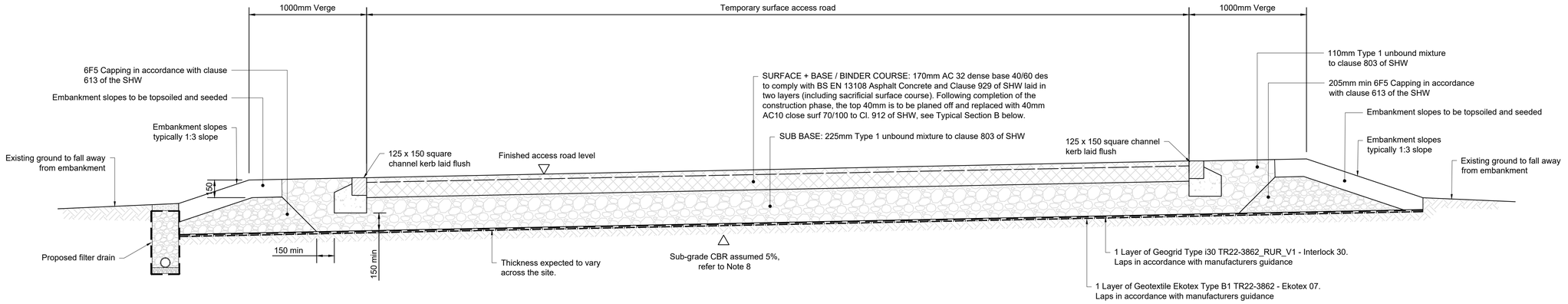
ISSUE	DATE	DRAWN	CHECKED	APPROVED	REMARKS
B	07/08/25	BA	RB	GT	Updated following NG comments
A	11/06/25	RA	JL	GT	Issued For Planning

Draft WIP

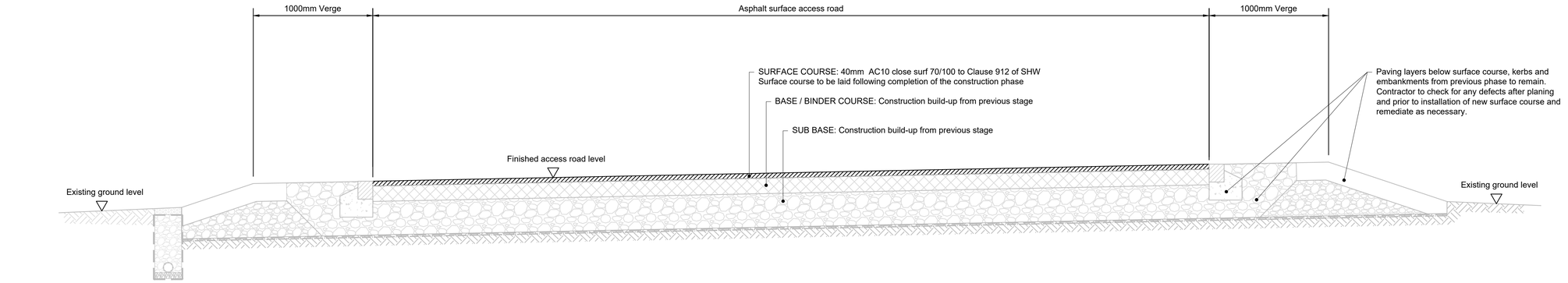
Dwg Title:
Planning Drawings
Temporary Road Typical Detail

Site: Glaslyn Cable Uprating	A1 100%	CAD
Originator Dwg No: GLAS-ARUP-70-XX-DR-X-9170	Originators Proj.Ref: 295280-00	
NG Investment No:		
NG Dwg No:	Sheet No: 1 / Total No. of Sheets 1	Issue: B
Scale: As Shown		



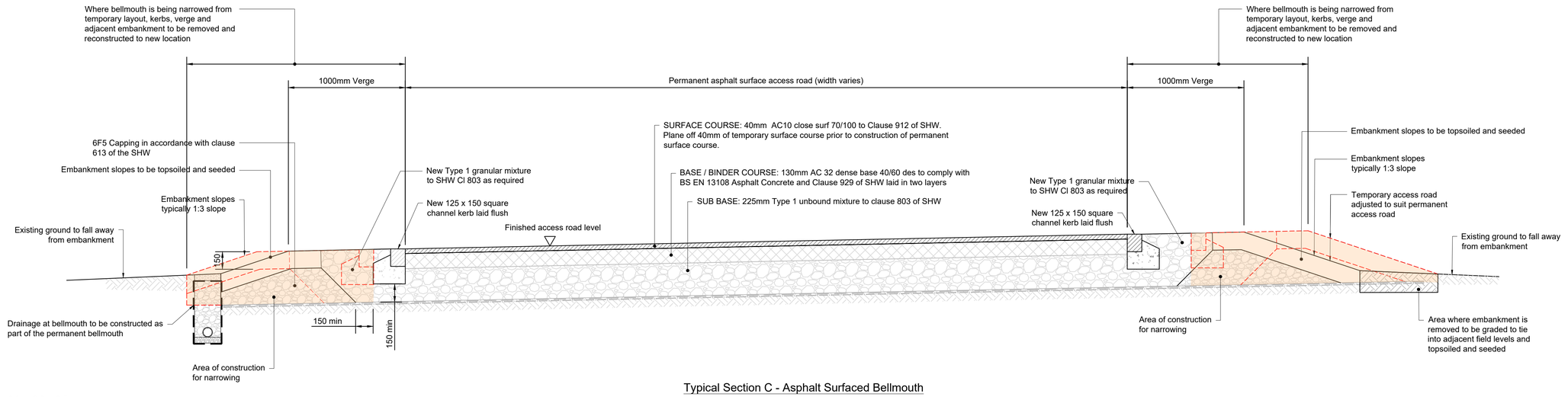
Typical Section A - Access Road to Wern CSEC - During Construction

Scale 1:20



Typical Section B - Asphalt Surfaced Access Road to Wern CSEC - Post Construction

Scale 1:20



Typical Section C - Asphalt Surfaced Bellmouth

Scale 1:20

0 0.1 0.2 0.3 0.4 0.5 1.0 Metres

Scale 1:20

Notes

1. Do not scale from this drawing.
2. All dimensions in millimetres unless otherwise stated.
3. Anticipated minimum 100mm strip of organics prior to haul road construction. Thickness expected to vary across the site.
4. Any temporary works including, needling, shoring, strutting and propping shall be determined on site.
5. Reference shall be made to HSG47 - avoiding danger from underground services and document GS6 - avoiding danger from overhead electric lines.
6. Highways in vicinity of works to be kept free from mud, debris and dust during the construction process.
7. The SHW acronym refers to the Manual of Contract Documents for highways works - Volume 1 Specification for highway works.
8. Where CBR is <5% subgrade improvement must be undertaken in the form of 500mm remove nad replace, using Class 6A, 6B, 6C or 6D to SHW - Series 600 table 6/1.

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B	07/08/25	BA	RB	GT	Updated following NG comments
A	11/06/25	RA	JL	GT	Issued For Planning

Draft WIP

Dwg Title:
Planning Drawings
Permanent Road Typical Detail
Sheet 1

Site: Glaslyn Cable Uprating

A1 100% | CAD

Originator Dwg No: GLAS-ARUP-70-XX-DR-X-9171

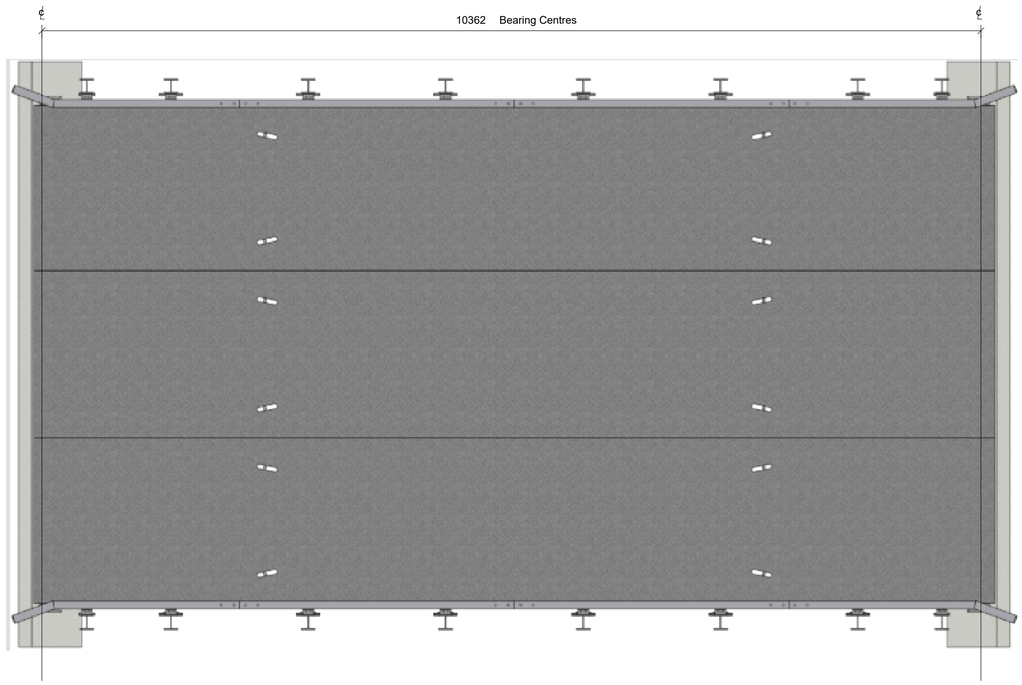
Originators Proj.Ref: 295280-00

NG Investment No:

NG Dwg No:

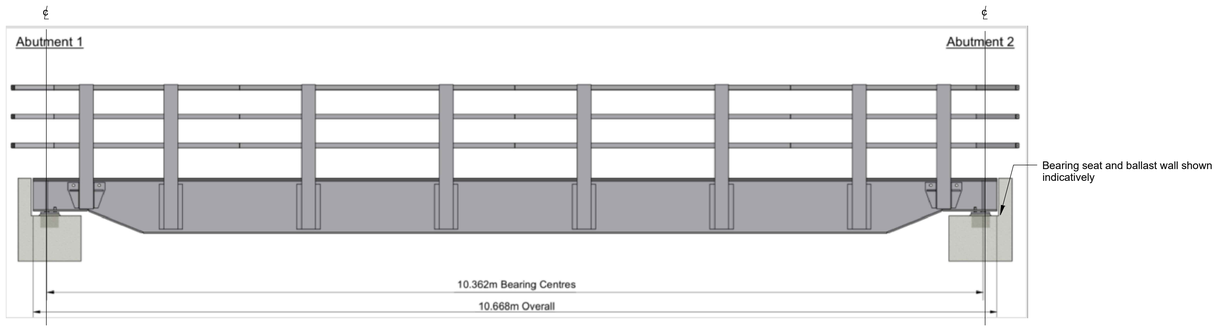
Scale: As Shown

Sheet No: 1 | Total No. of Sheets: 2 | Issue: B

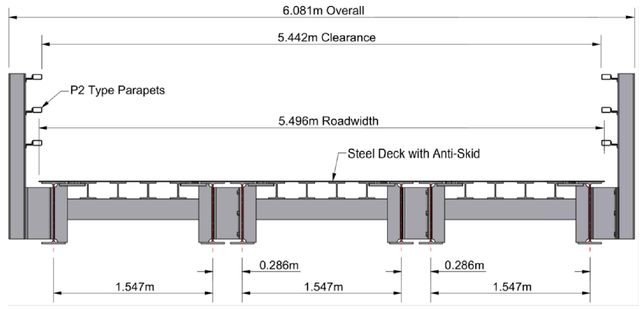


Typical Plan - NTS

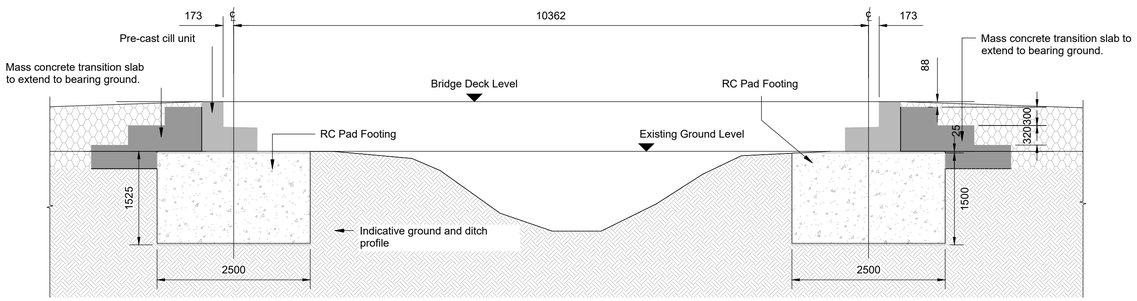
Note:
- The steel beam deck bridge is a proprietary product, designed and supplied by the manufacturer.
- The information shown on this drawing has been provided by Acrow Ltd.



Longitudinal Section - NTS



Cross-Section - NTS



Typical Bridge Foundation Cross Section
Scale 1 : 50

Notes

1. Do not scale from this drawing.
2. All dimensions are in millimetres unless otherwise stated.
3. Drawing to be read in colour.
4. Existing topographical information based on survey MGS54157 dates 08/09/23 and undertaken by Murphy Geospatial.
5. Top surface of foundation and precast cill unit(unformed faces) to receive class U1 finish. Formed surfaces to receive Class F1 finish. In accordance with specification for highway works Series 1700.

Bridge Specification:

1. Bridge deck and footing designed to satisfy special vehicle class LM1, LM2 & SV80 in accordance with BS EN 1991-2:2003 and associated UK National Annex.
2. The contractor is responsible for establishing and checking the setting out of all levels and datums.
3. The contractor shall be responsible for the stability of the existing structures on the site and must take all necessary precautions to safeguard the stability.
4. Any temporary works including, needling, shoring, strutting and propping shall be the sole responsibility of the contractor.
5. The contractor is to comply fully with CDM requirements/ Regulations in the course of constructing the works.
6. Highways in vicinity of works to be kept free from mud, debris and dust during the contractors process.
7. Any unsuitable hard and soft material at or below formation level shall be reported to the engineer prior to commencement of any works and removed and replaced with well compacted 6F5 capping material in accordance with the requirements of series 600 SHW and the project earthworks specification.
8. Contractor to refer to HSG47 - avoiding danger from underground services and document GS6 - avoiding danger from overhead electric lines.
9. The designer takes no responsibility for any utility works / damage to the utilities during the proposed works. The Contractor is to make all the necessary searches / investigations to confirm the utility locations on site and avoid damage.
10. Contractor to ensure that ditches / watercourses are kept clear of construction debris as far as is practically possible during bridge construction works.

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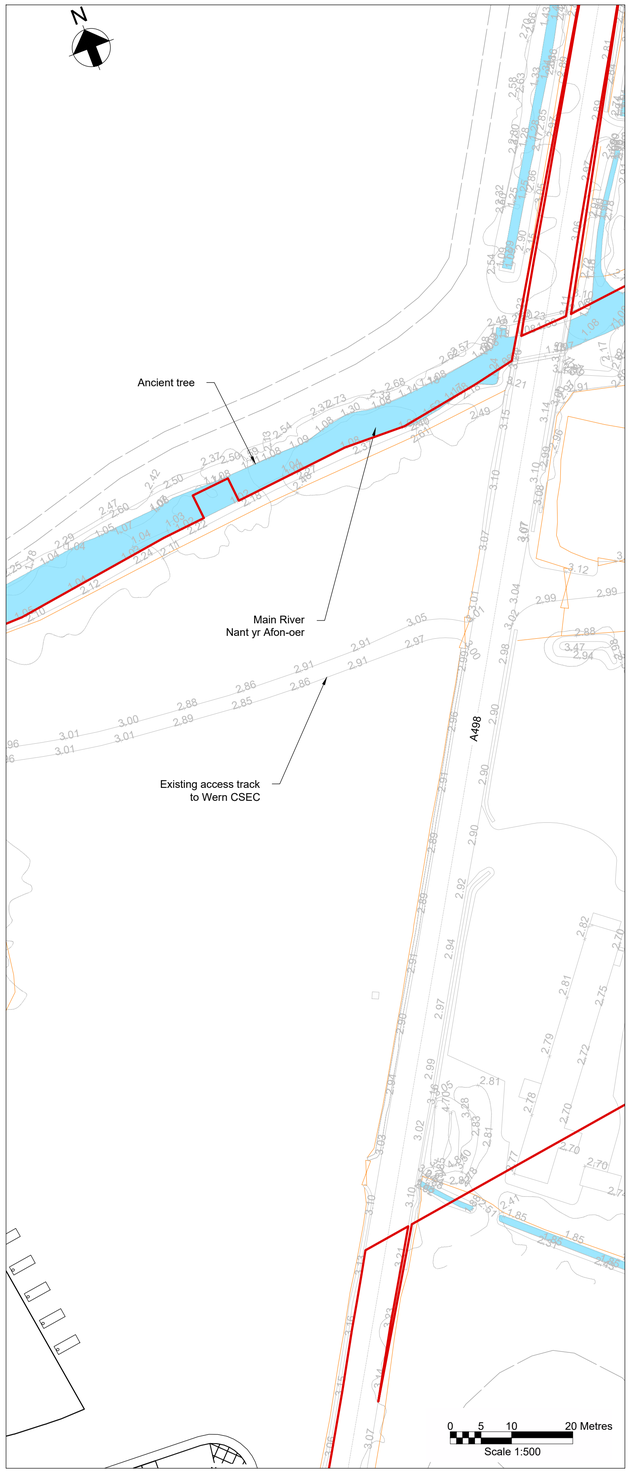
A	11/06/25	RA	JL	GT	Issued For Planning

Draft WIP

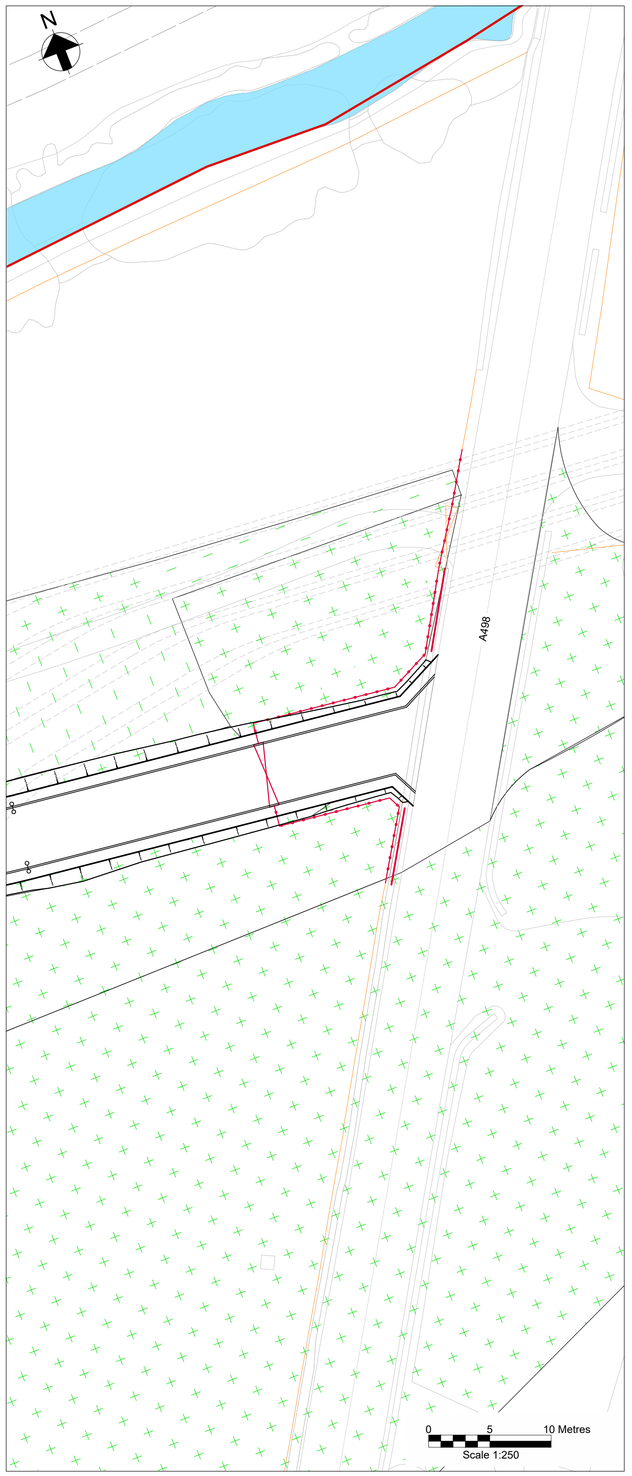
Dwg Title:
Planning Drawings
Permanent Road Bridge Crossing Detail

Site: Glaslyn Cable Uprating	A1 100%	CAD
Originator Dwg No: GLAS-ARUP-70-XX-DR-X-9172	Originators Proj.Ref: 295280-00	
NG Investment No:		
NG Dwg No:	Sheet No: 1 / Total No. of Sheets 1	Issue: B
Scale: As Shown		



Existing Plan
Scale 1:500

Construction Plan
Scale 1:250



Permanent Plan
Scale 1:250

Key Plan

Notes

1. Do not scale from this drawing.
2. Drawing to be printed in colour.
3. All dimensions in metres unless otherwise stated.
4. All levels are in meters Above Ordnance Datum (mAOD)

Legend

- Work site boundary
- Existing trees and vegetation
- Existing watercourse
- Existing Overhead Cables
- Existing Fenceline
- Existing Gate

Legend (Construction Plan)

- Proposed underground cable route (Only shown for context)
- Construction Working Areas and Associated Activities
- Decommissioning Works Areas
- Decommissioning reinstatement
- Asphalt pavement to bellmouths
- Proposed access road and embankment (1:3 slope unless noted otherwise)
- Lines of Junction Visibility
- Temporary Post & Wire Fencing
- Temporary Mesh Fencing
- Temporary Post & Rail Fencing
- Temporary Stock Proof Fencing
- Temporary Gate
- Road Signs to be removed
- Gates to be removed
- Fences to be removed
- Stone Walls to be removed
- Vegetation to be cleared
- Trees to be removed

Legend (Permanent Plan)

- Proposed underground cable route (Only shown for context)
- Proposed access road and embankment (1:3 slope unless noted otherwise)
- Hedgerow Creation with Trees
- Headrow Creation
- Marshy Grassland
- Scrub Planting
- Neutral Grassland
- Woodland Edge
- Ditch Grassland Fieldlayer
- Planted Tree
- Street Furniture reinstated
- Posts reinstated
- Road Signs reinstated
- Gates reinstated
- Fences reinstated
- Stone Walls reinstated
- Kerbs reinstated
- Proposed wildlife proof fence
- Proposed access gate
- Proposed stone wall

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Draft WIP

Dwg Title:
Planning Drawings
Bellmouth and Road Widening Plan 1

Site: Glaslyn Cable Uprating	A1 100%	CAD
Originator Dwg No: GLAS-ARUP-70-XX-DR-X-9173	Originators Proj.Ref: 295280-00	
NG Investment No:		
NG Dwg No:	Sheet No: 1 / Total No. of Sheets 1	Issue: C
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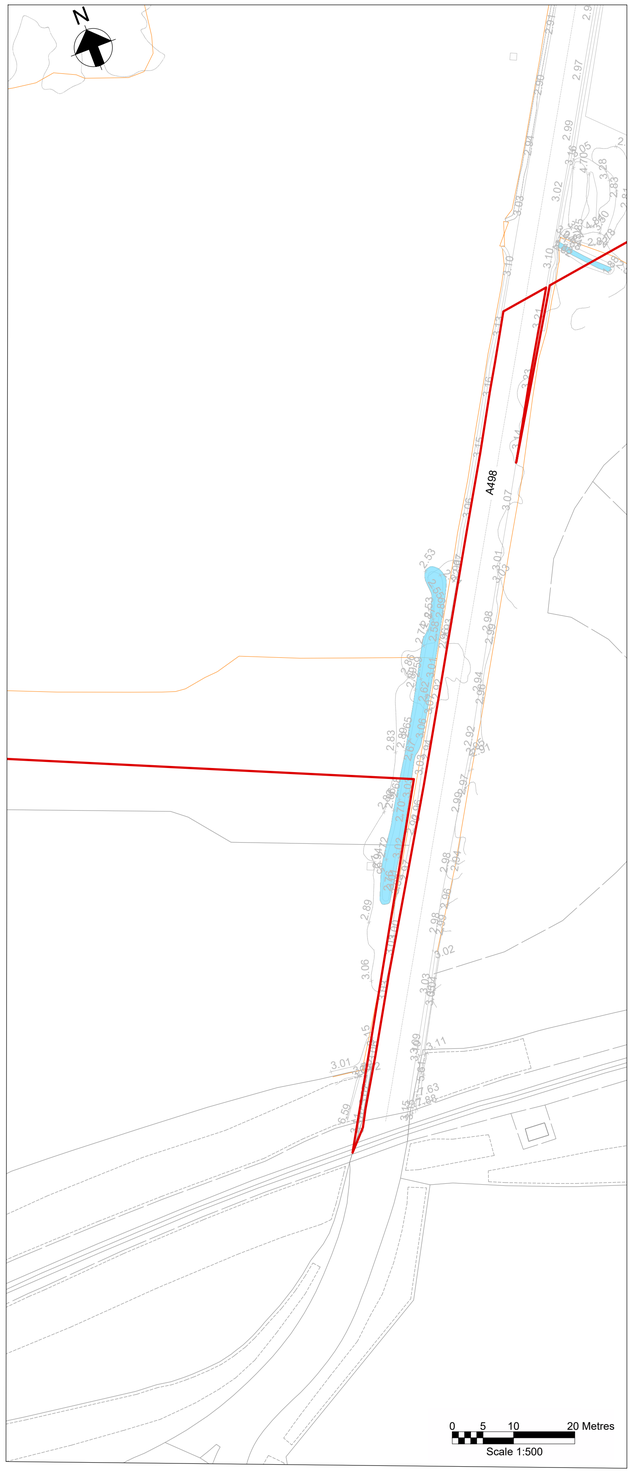
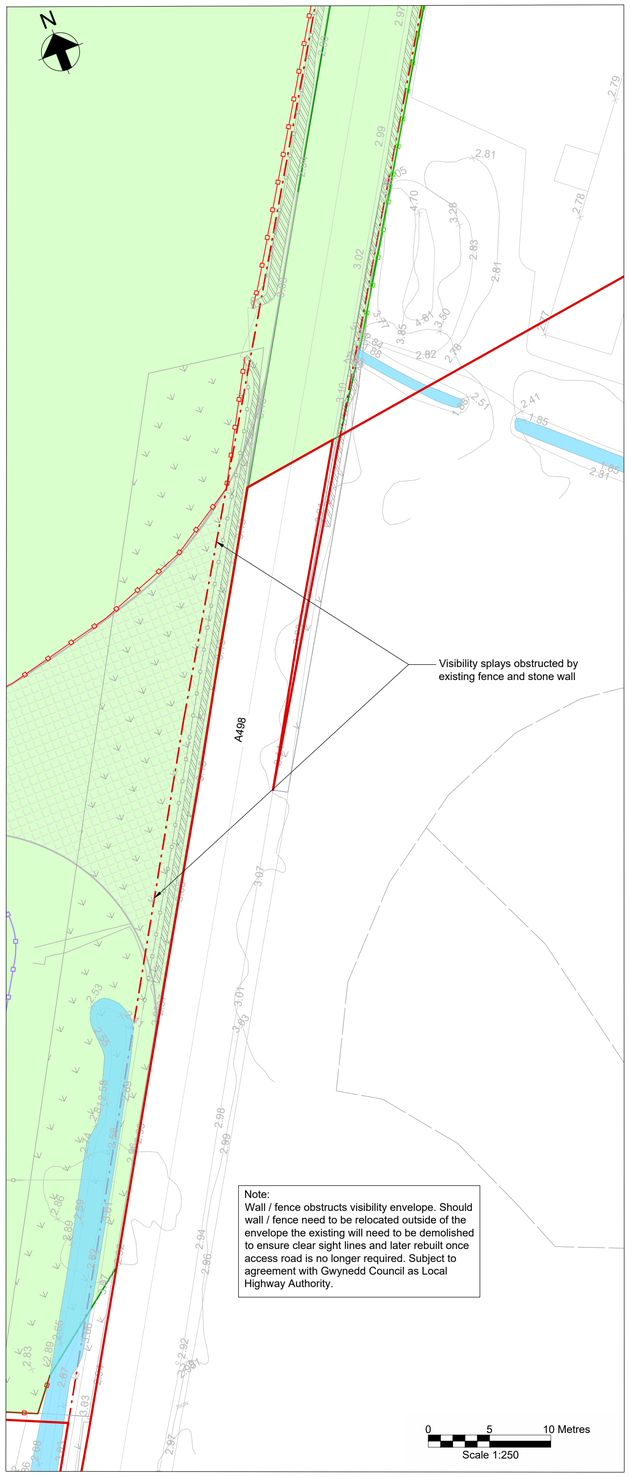
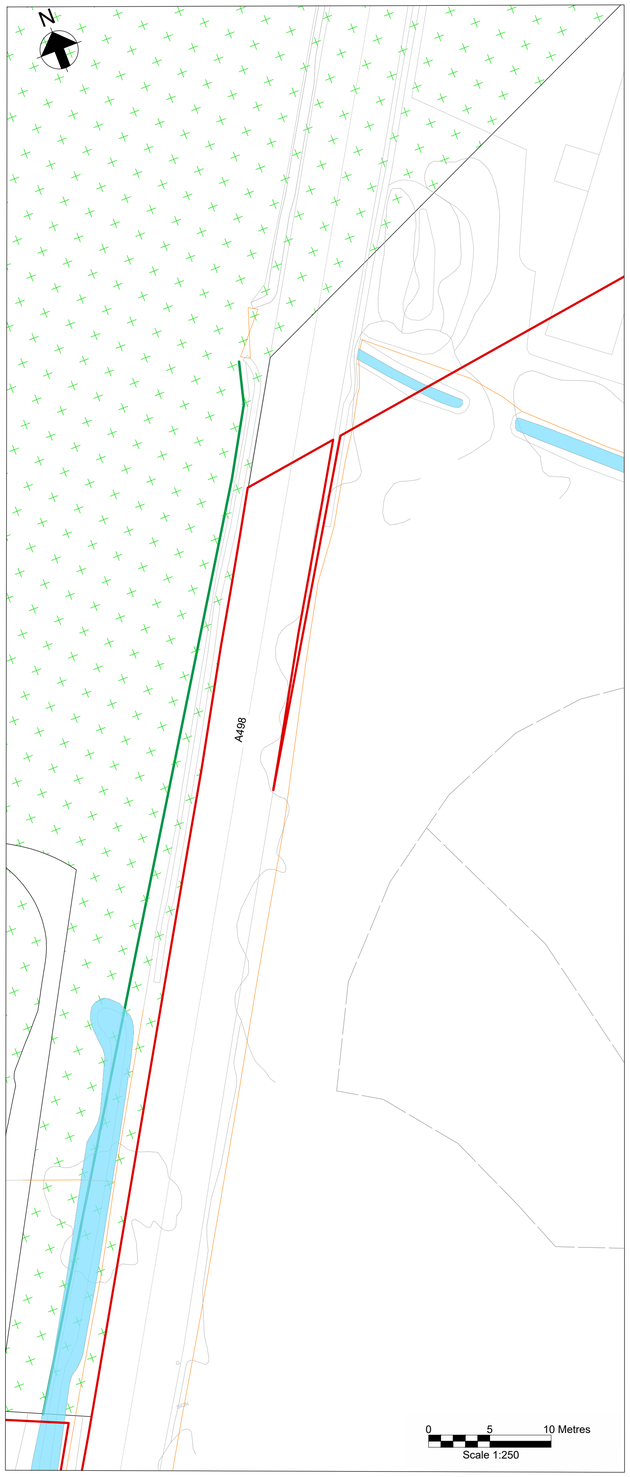


Existing Plan
Scale 1:500



Construction Plan
Scale 1:250



Permanent Plan
Scale 1:250

Key Plan


Notes
1. Do not scale from this drawing.
2. Drawing to be printed in colour.
3. All dimensions in metres unless otherwise stated.
4. All levels are in meters Above Ordnance Datum (mAOD)

Legend
- Work site boundary
- Existing trees and vegetation
- Existing watercourse
- Existing Overhead Cables
- Existing Fenceline
- Existing Gate

Legend (Construction Plan)
- Proposed underground cable route (Only shown for context)
- Construction Working Areas and Associated Activities
- Decommissioning Works Areas
- Decommissioning reinstatement
- Asphalt pavement to bellmouths
- Proposed access road and embankment (1:3 slope unless noted otherwise)
- Lines of Junction Visibility
- Temporary Post & Wire Fencing
- Temporary Mesh Fencing
- Temporary Post & Rail Fencing
- Temporary Stock Proof Fencing
- Temporary Gate
- Road Signs to be removed
- Gates to be removed
- Fences to be removed
- Stone Walls to be removed
- Vegetation to be cleared
- Trees to be removed

Legend (Permanent Plan)
- Proposed underground cable route (Only shown for context)
- Proposed access road and embankment (1:3 slope unless noted otherwise)
- Hedgerow Creation with Trees
- Headrow Creation
- Marshy Grassland
- Scrub Planting
- Neutral Grassland
- Woodland Edge
- Ditch Grassland Fieldlayer
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- Road Signs reinstated
- Gates reinstated
- Fences reinstated
- Stone Walls reinstated
- Kerbs reinstated
- Proposed wildlife proof fence
- Proposed access gate
- Proposed stone wall

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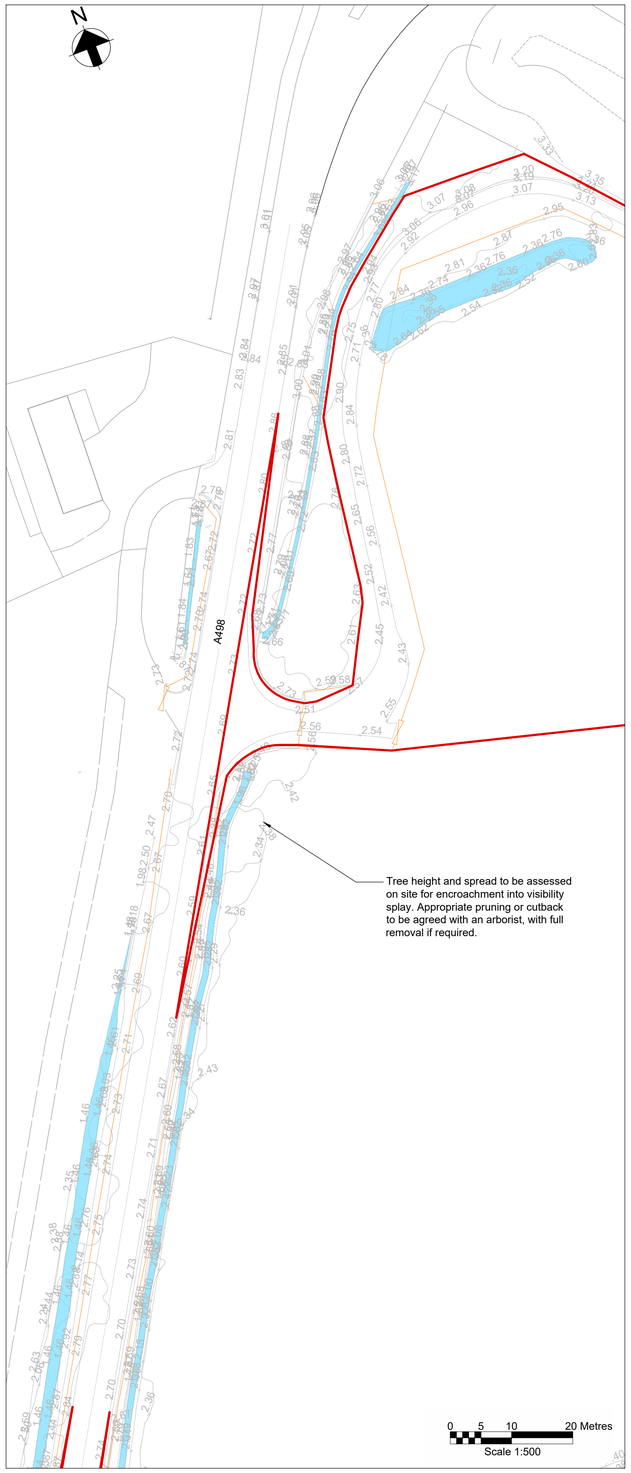
A	11/06/25	RA	JL	GT	Issued For Planning

Draft WIP

Dwg Title:
Planning Drawings
Bellmouth and Road Widening Plan 2

Site: Glaslyn Cable Uprating		A1 100%	CAD
Originator Dwg No: GLAS-ARUP-70-XX-DR-X-9174	Originators Proj.Ref: 295280-00		
NG Investment No:			
NG Dwg No:	Sheet No: 1	Total No. of Sheets 1	Issue: C
Scale: As Shown			



Existing Plan
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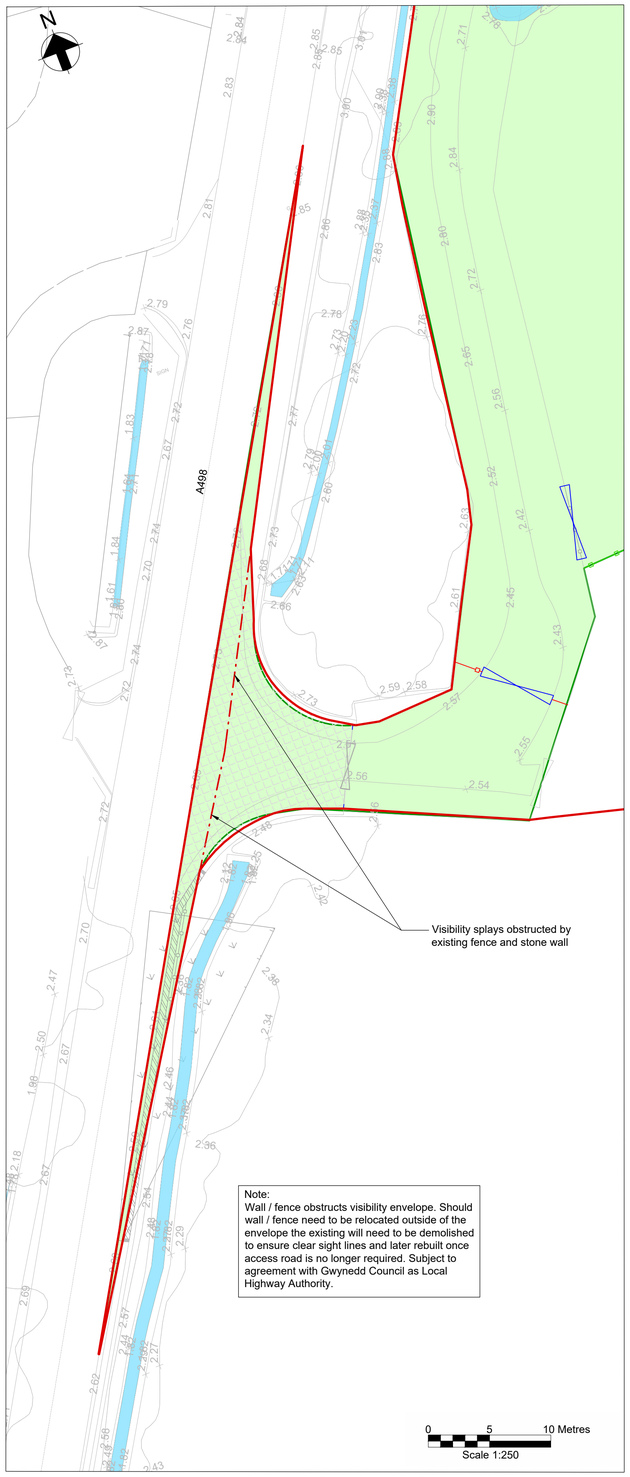
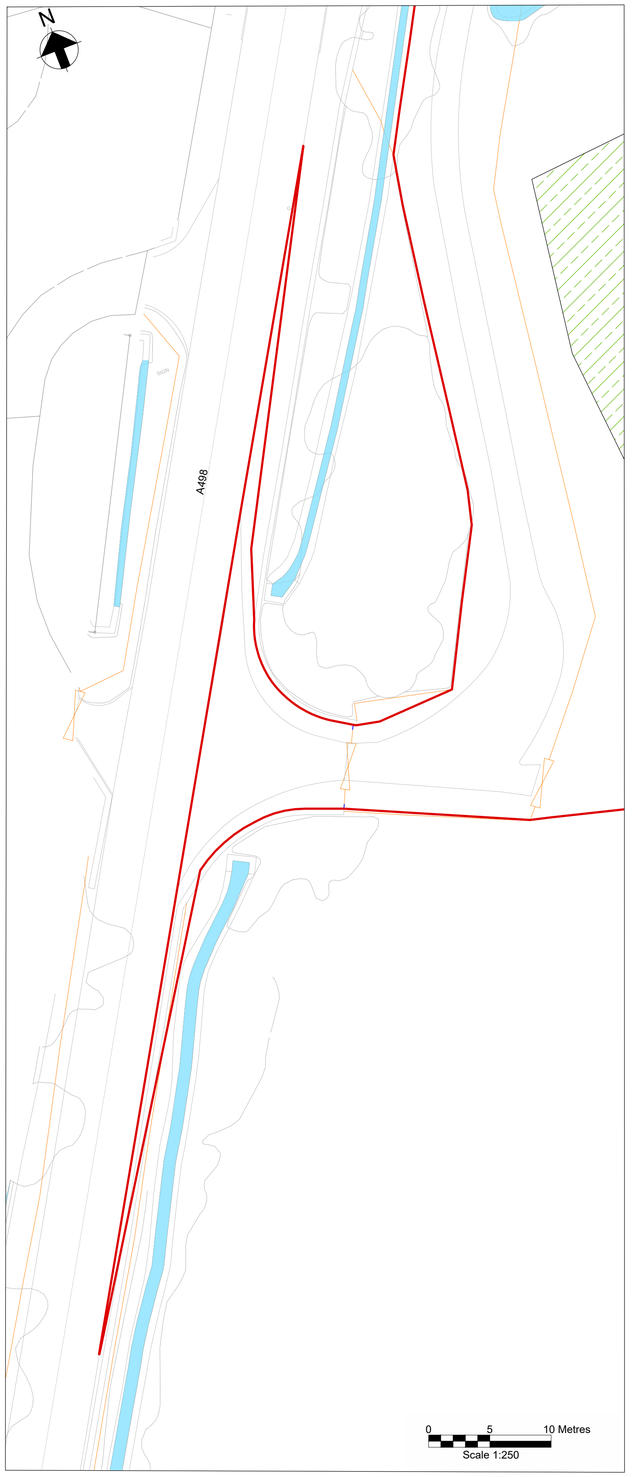


Construction Plan
Scale 1:250



Permanent Plan
Scale 1:250

Key Plan

Notes
1. Do not scale from this drawing.
2. Drawing to be printed in colour.
3. All dimensions in metres unless otherwise stated.
4. All levels are in meters Above Ordnance Datum (mAOD)

Legend
- Work site boundary
- Existing trees and vegetation
- Existing watercourse
- Existing Overhead Cables
- Existing Fenceline
- Existing Gate

Legend (Construction Plan)
- Proposed underground cable route (Only shown for context)
- Construction Working Areas and Associated Activities
- Decommissioning Works Areas
- Decommissioning reinstatement
- Asphalt pavement to bellmouths
- Proposed access road and embankment (1:3 slope unless noted otherwise)
- Lines of Junction Visibility
- Temporary Post & Wire Fencing
- Temporary Mesh Fencing
- Temporary Post & Rail Fencing
- Temporary Stock Proof Fencing
- Temporary Gate
- Road Signs to be removed
- Gates to be removed
- Fences to be removed
- Stone Walls to be removed
- Vegetation to be cleared
- Trees to be removed

Legend (Permanent Plan)
- Proposed underground cable route (Only shown for context)
- Proposed access road and embankment (1:3 slope unless noted otherwise)
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- Headrow Creation
- Marshy Grassland
- Scrub Planting
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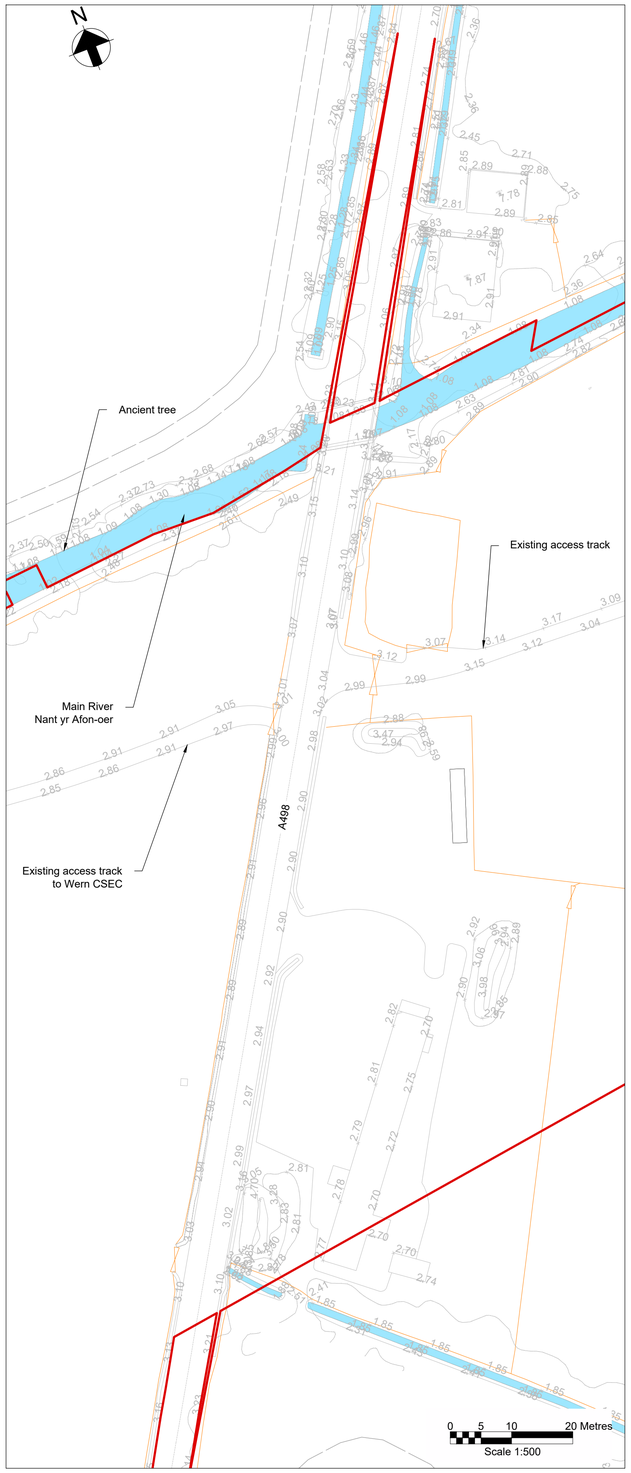
A	11/06/25	RA	JL	GT	Issued For Planning

Draft WIP

Dwg Title:
Planning Drawings
Bellmouth and Road Widening Plan 3

Site: Glaslyn Cable Uprating		A1 100%	CAD
Originator Dwg No: GLAS-ARUP-70-XX-DR-X-9175	Originators Proj.Ref: 295280-00		
NG Investment No:			
NG Dwg No:	Sheet No: 1	Total No. of Sheets 1	Issue: C
Scale: As Shown			

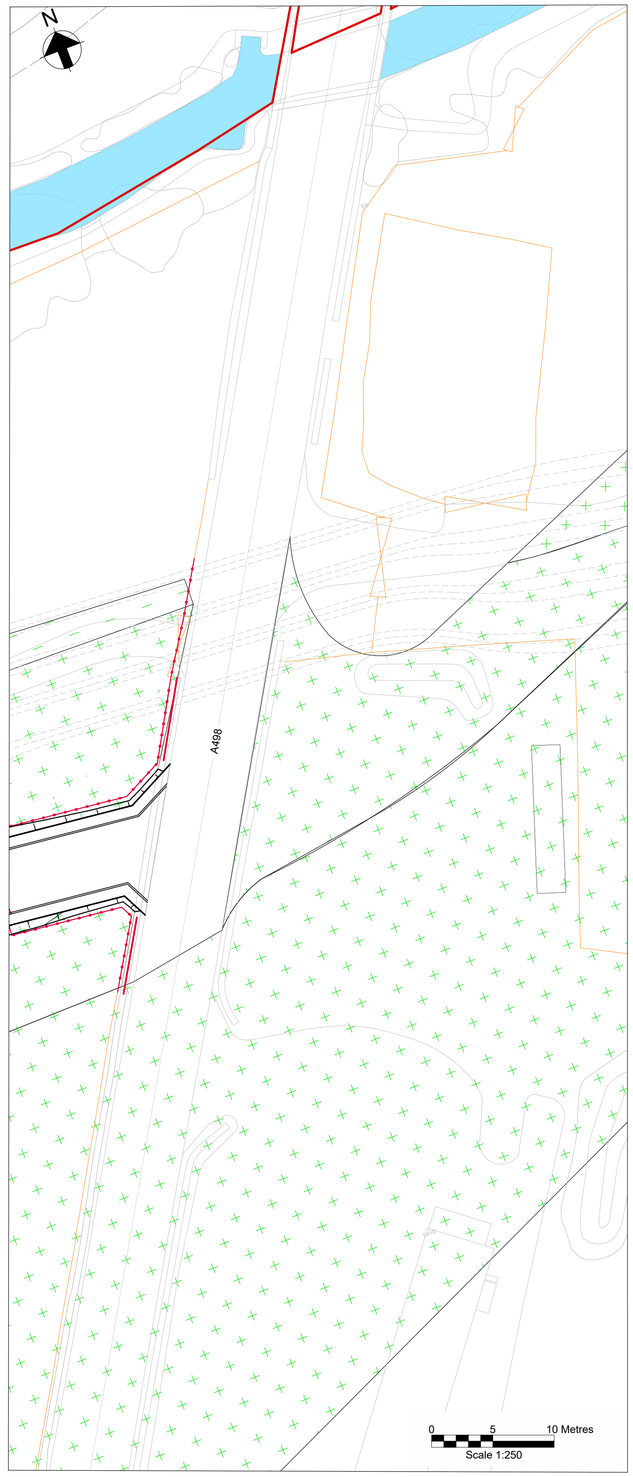


Existing Plan

Scale 1:500

Construction Plan

Scale 1:250



Permanent Plan

Scale 1:250

Key Plan

Notes

1. Do not scale from this drawing.
2. Drawing to be printed in colour.
3. All dimensions in metres unless otherwise stated.
4. All levels are in meters Above Ordnance Datum (mAOD)

Legend

- Work site boundary
- Existing trees and vegetation
- Existing watercourse
- Existing Overhead Cables
- Existing Fenceline
- Existing Gate

Legend (Construction Plan)

- Proposed underground cable route (Only shown for context)
- Construction Working Areas and Associated Activities
- Decommissioning Works Areas
- Decommissioning reinstatement
- Asphalt pavement to bellmouths
- Proposed access road and embankment (1:3 slope unless noted otherwise)
- Lines of Junction Visibility
- Temporary Post & Wire Fencing
- Temporary Mesh Fencing
- Temporary Post & Rail Fencing
- Temporary Stock Proof Fencing
- Temporary Gate
- Road Signs to be removed
- Gates to be removed
- Fences to be removed
- Stone Walls to be removed
- Vegetation to be cleared
- Trees to be removed

Legend (Permanent Plan)

- Proposed underground cable route (Only shown for context)
- Proposed access road and embankment (1:3 slope unless noted otherwise)
- Hedgerow Creation with Trees
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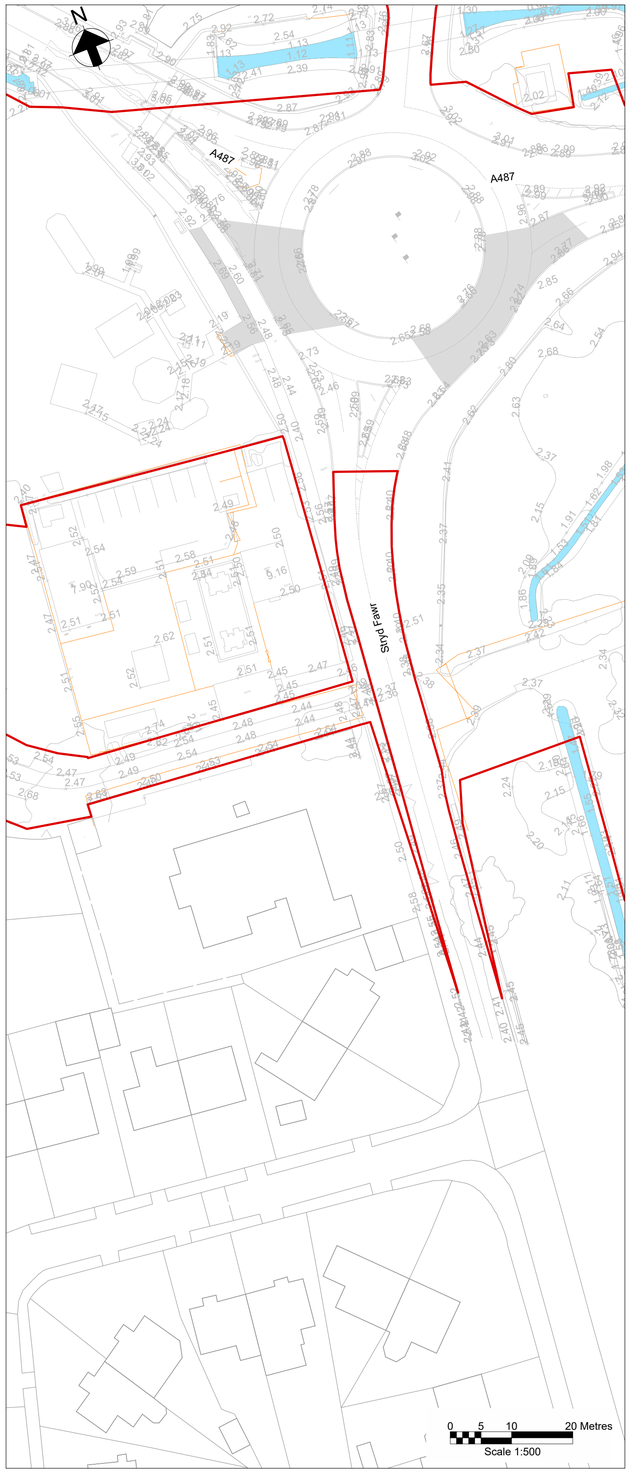
Draft WIP

Dwg Title:
Planning Drawings
Bellmouth and Road Widening Plan 4

Site: Glaslyn Cable Uprating	A1 100%	CAD
Originator Dwg No: GLAS-ARUP-70-XX-DR-X-9176	Originators Proj.Ref: 295280-00	
NG Investment No:		
NG Dwg No:	Sheet No: 1 / Total No. of Sheets 1	Issue: C
Scale: As Shown		



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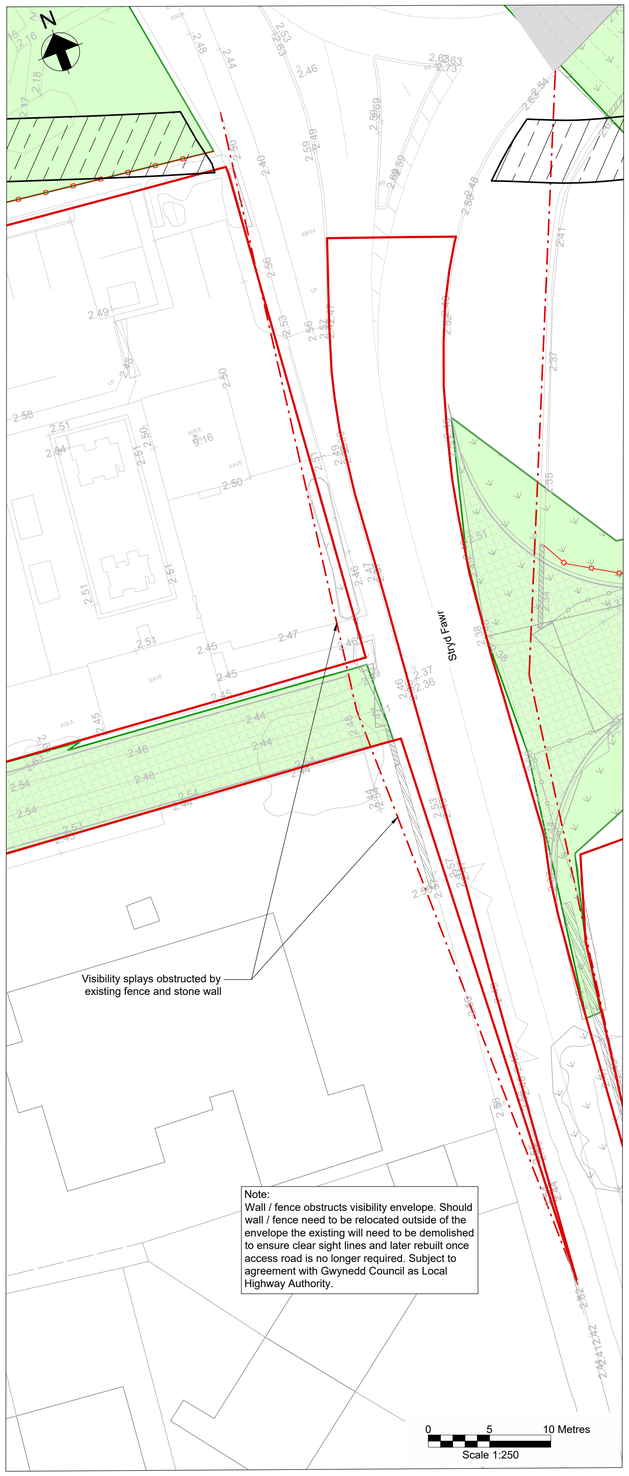
Scale 1:500



Construction Plan
Scale 1:250

Permanent Plan
Scale 1:250

Key Plan

Notes
1. Do not scale from this drawing.
2. Drawing to be printed in colour.
3. All dimensions in metres unless otherwise stated.
4. All levels are in meters Above Ordnance Datum (mAOD)

Legend
- Work site boundary
- Existing trees and vegetation
- Existing watercourse
- Existing Overhead Cables
- Existing Fenceline
- Existing Gate

Legend (Construction Plan)
- Proposed underground cable route (Only shown for context)
- Construction Working Areas and Associated Activities
- Decommissioning Works Areas
- Decommissioning reinstatement
- Asphalt pavement to bellmouths
- Proposed access road and embankment (1:3 slope unless noted otherwise)
- Lines of Junction Visibility
- Temporary Post & Wire Fencing
- Temporary Mesh Fencing
- Temporary Post & Rail Fencing
- Temporary Stock Proof Fencing
- Temporary Gate
- Road Signs to be removed
- Gates to be removed
- Fences to be removed
- Stone Walls to be removed
- Vegetation to be cleared
- Trees to be removed

Legend (Permanent Plan)
- Proposed underground cable route (Only shown for context)
- Proposed access road and embankment (1:3 slope unless noted otherwise)
- Hedgerow Creation with Trees
- Headrow Creation
- Marshy Grassland
- Scrub Planting
- Neutral Grassland
- Woodland Edge
- Ditch Grassland Fieldlayer
- Planted Tree
- Street Furniture reinstated
- Posts reinstated
- Road Signs reinstated
- Gates reinstated
- Fences reinstated
- Stone Walls reinstated
- Kerbs reinstated
- Proposed wildlife proof fence
- Proposed access gate
- Proposed stone wall

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C	12/09/25	RA	RB	GT	Updated following NG comments
B	07/08/25	BA	RB	GT	Updated following NG comments
A	11/06/25	RA	JL	GT	Issued For Planning

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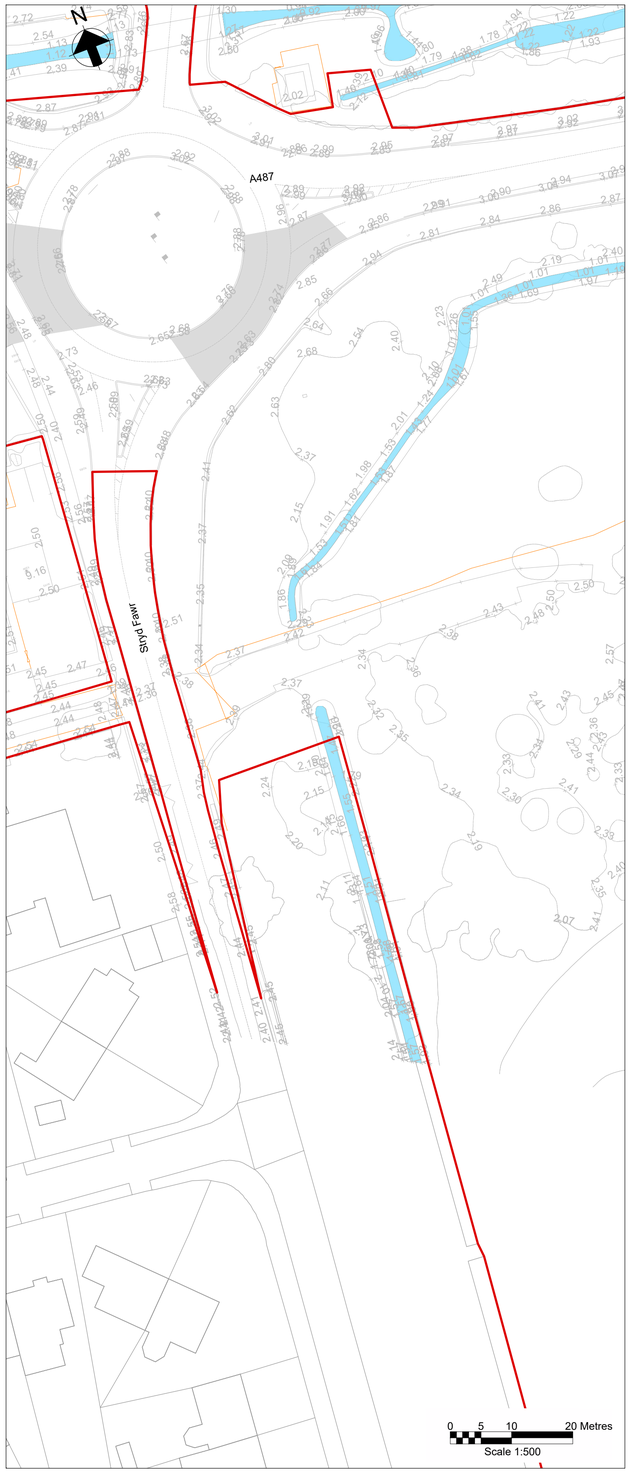
Dwg Title:
Planning Drawings
Bellmouth and Road Widening Plan 5

Site: Glaslyn Cable Uprating		A1 100%	CAD
Originator Dwg No: GLAS-ARUP-70-XX-DR-X-9177	Originators Proj.Ref: 295280-00		
NG Investment No:			
NG Dwg No:	Sheet No: 1	Total No. of Sheets 1	Issue: C
Scale: As Shown			



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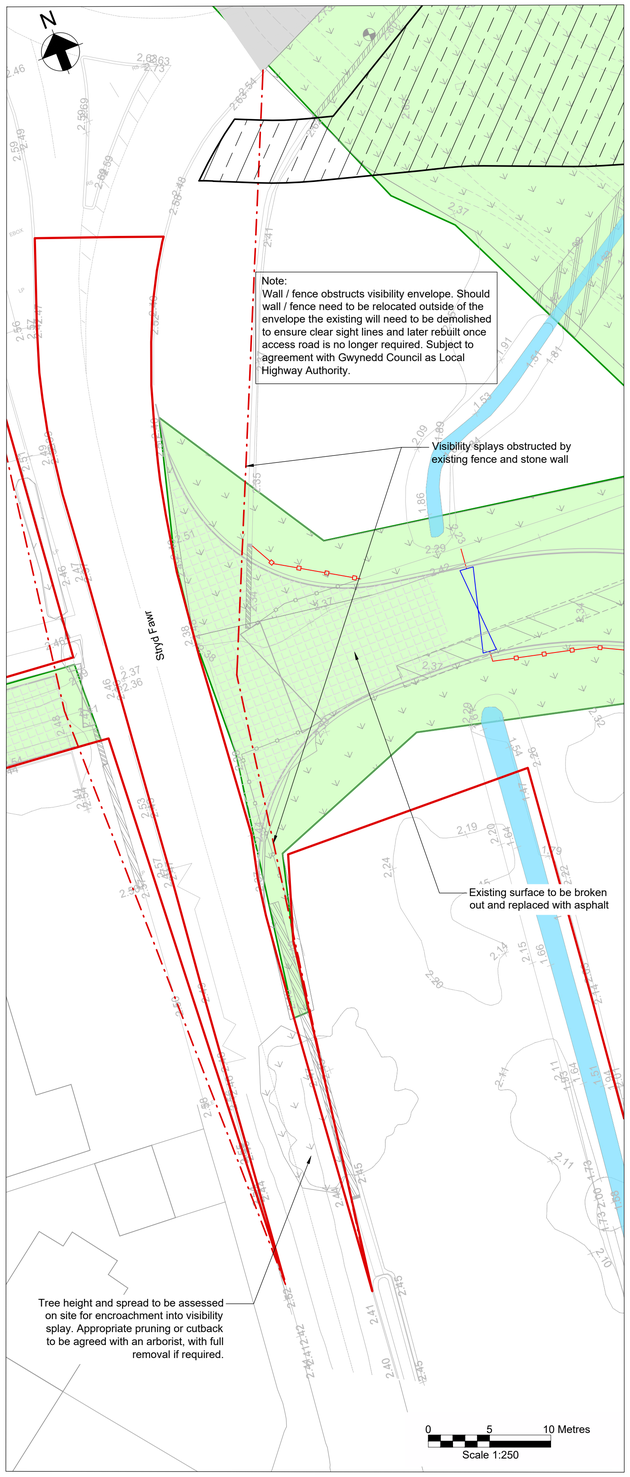

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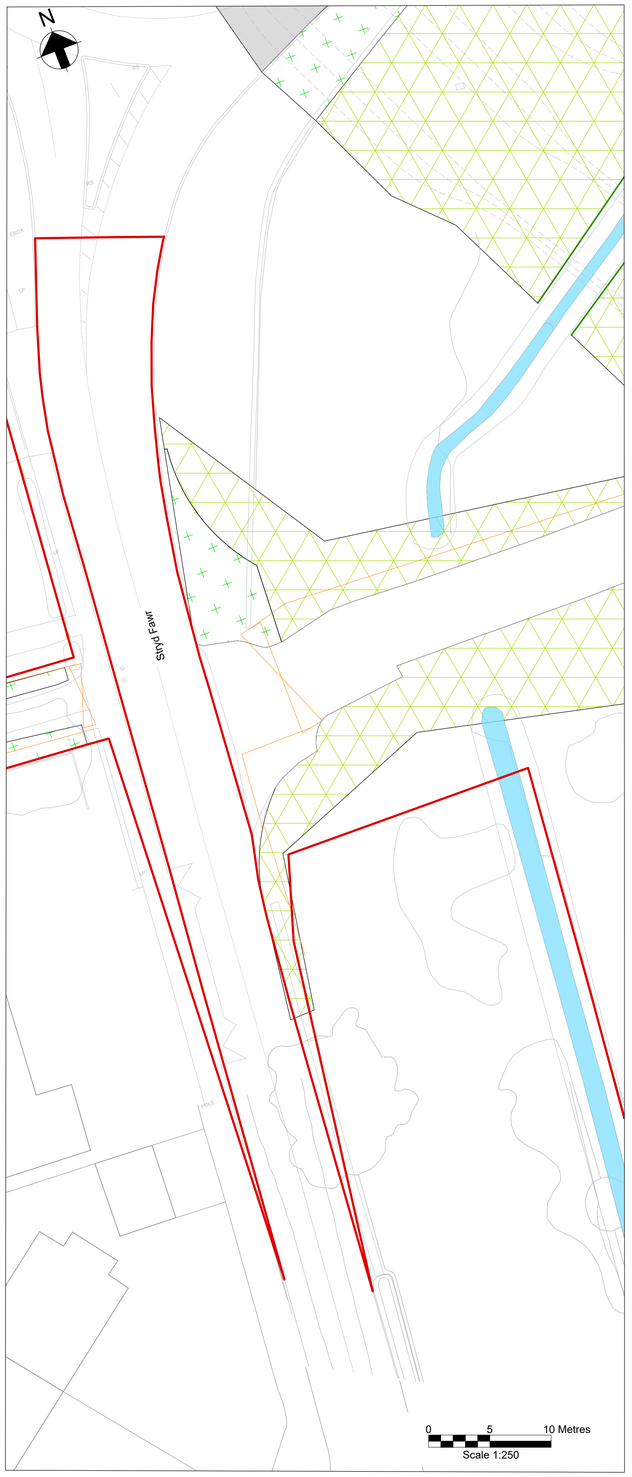

Permanent Plan
Scale 1:250

Key Plan

Notes

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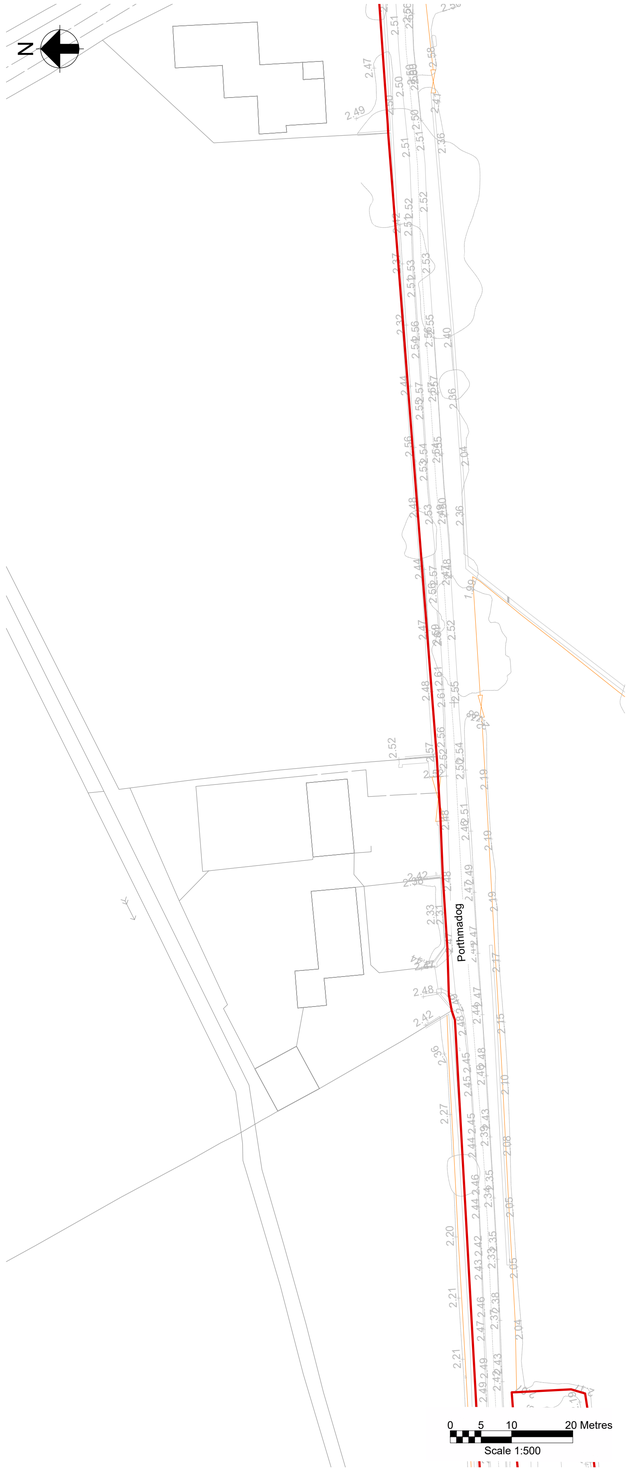
Dwg Title:
Planning Drawings
Bellmouth and Road Widening Plan 6

Site: Glaslyn Cable Uprating	A1 100%	CAD
Originator Dwg No: GLAS-ARUP-70-XX-DR-X-9178	Originators Proj.Ref: 295280-00	
NG Investment No:		
NG Dwg No:	Sheet No: 1 / Total No. of Sheets 1	Issue: C
Scale: As Shown		



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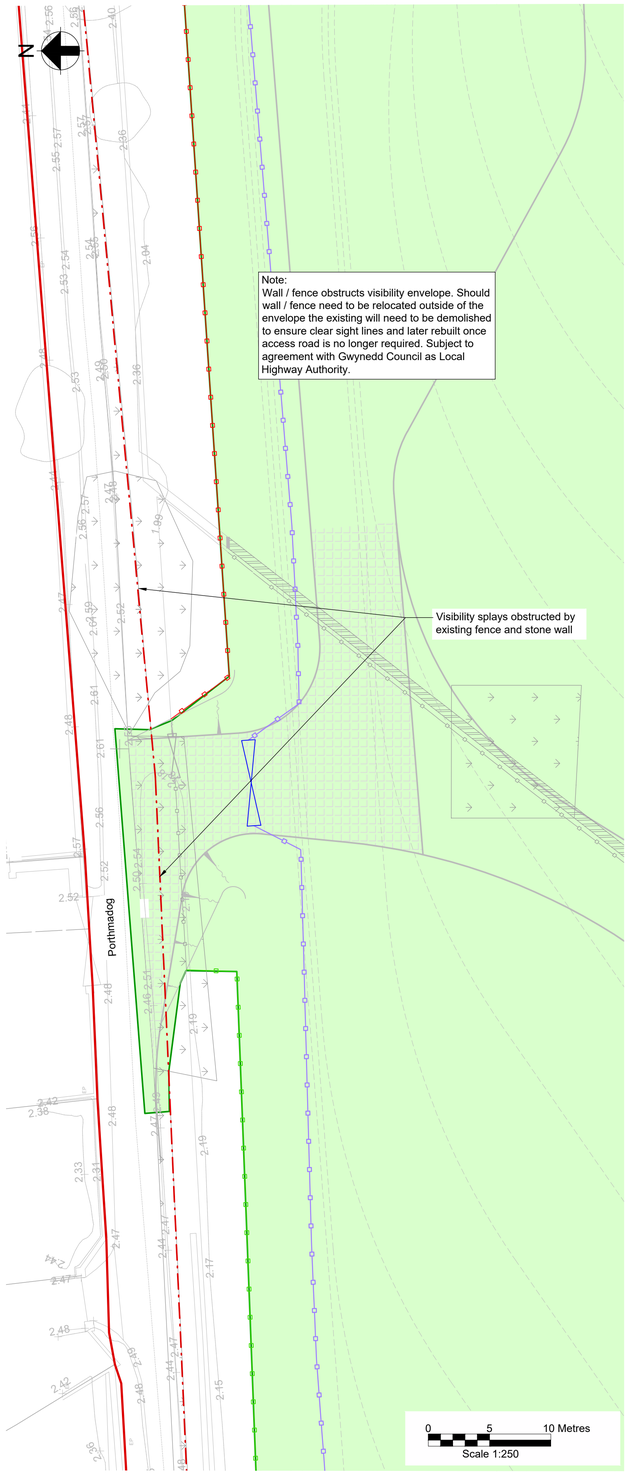

Construction Plan
Scale 1:250

Permanent Plan
Scale 1:250

Key Plan

Notes

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Legend (Construction Plan)

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Dwg Title:
Planning Drawings
Bellmouth and Road Widening Plan 7

Site: Glaslyn Cable Uprating	A1 100%	CAD
Originator Dwg No: GLAS-ARUP-70-XX-DR-X-9179	Originators Proj.Ref: 295280-00	
NG Investment No:		
NG Dwg No:	Sheet No: 1 / Total No. of Sheets 1	Issue: C
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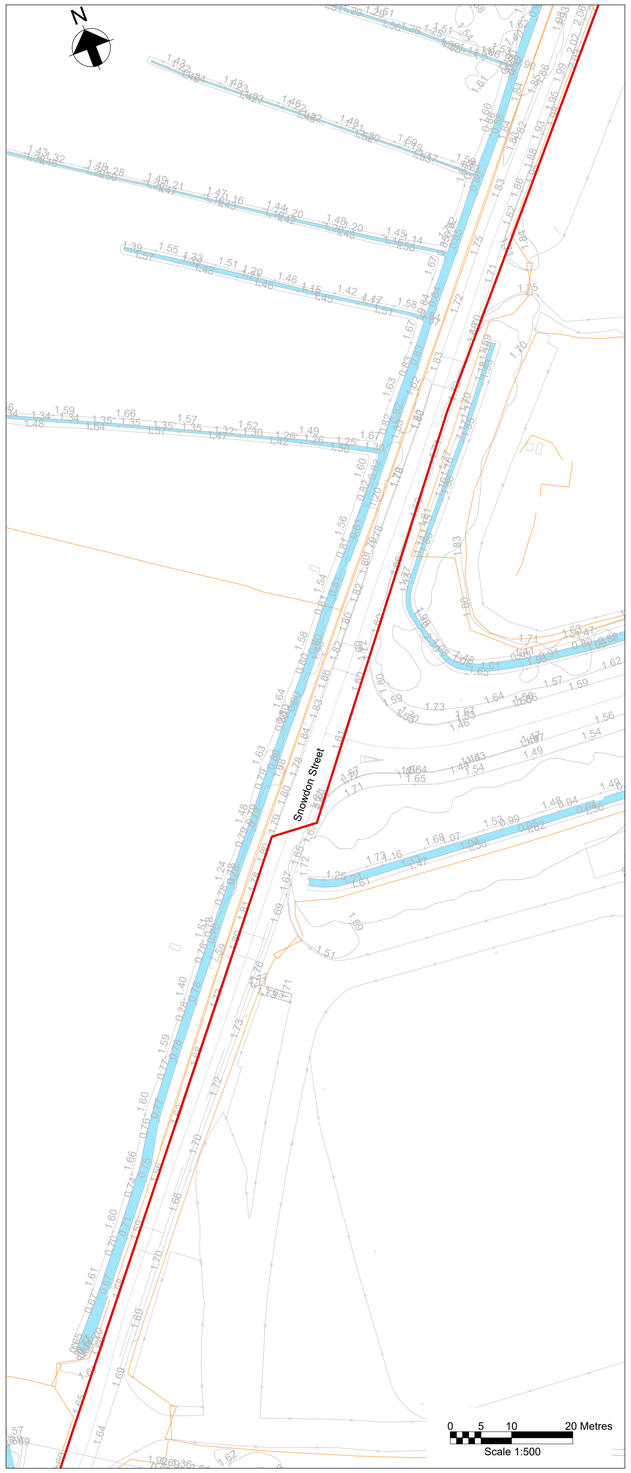

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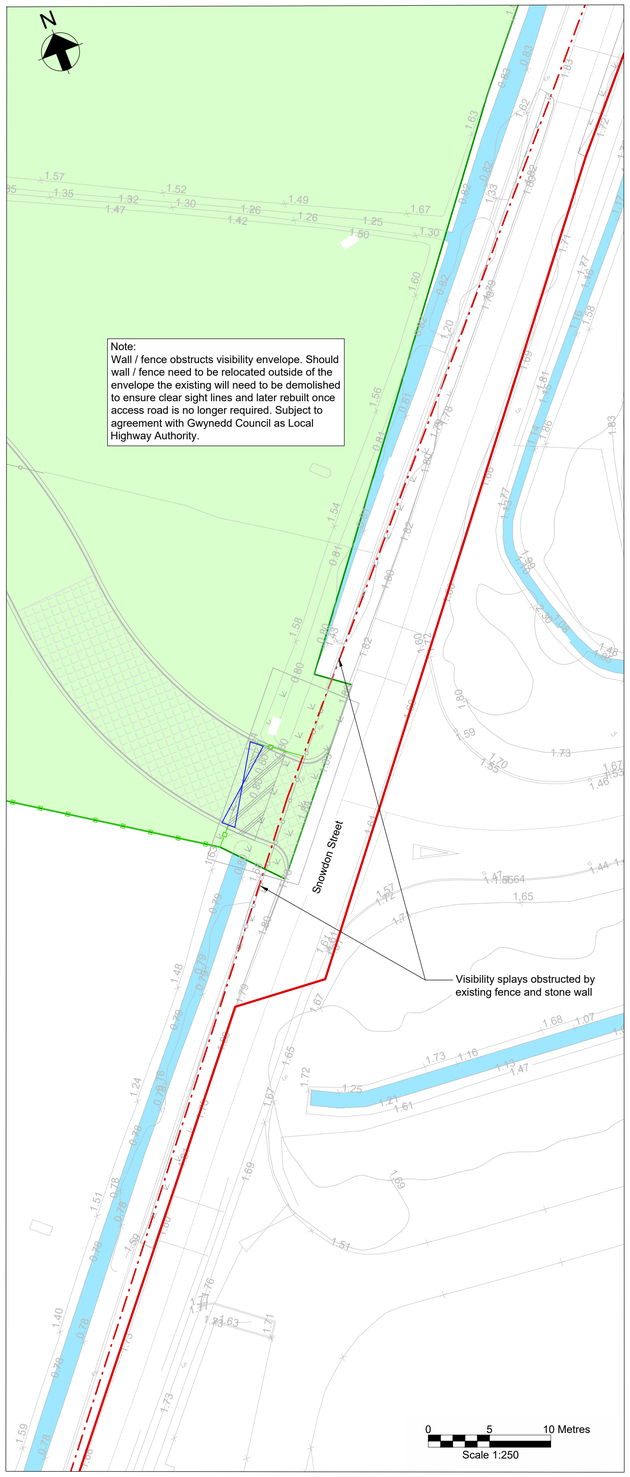

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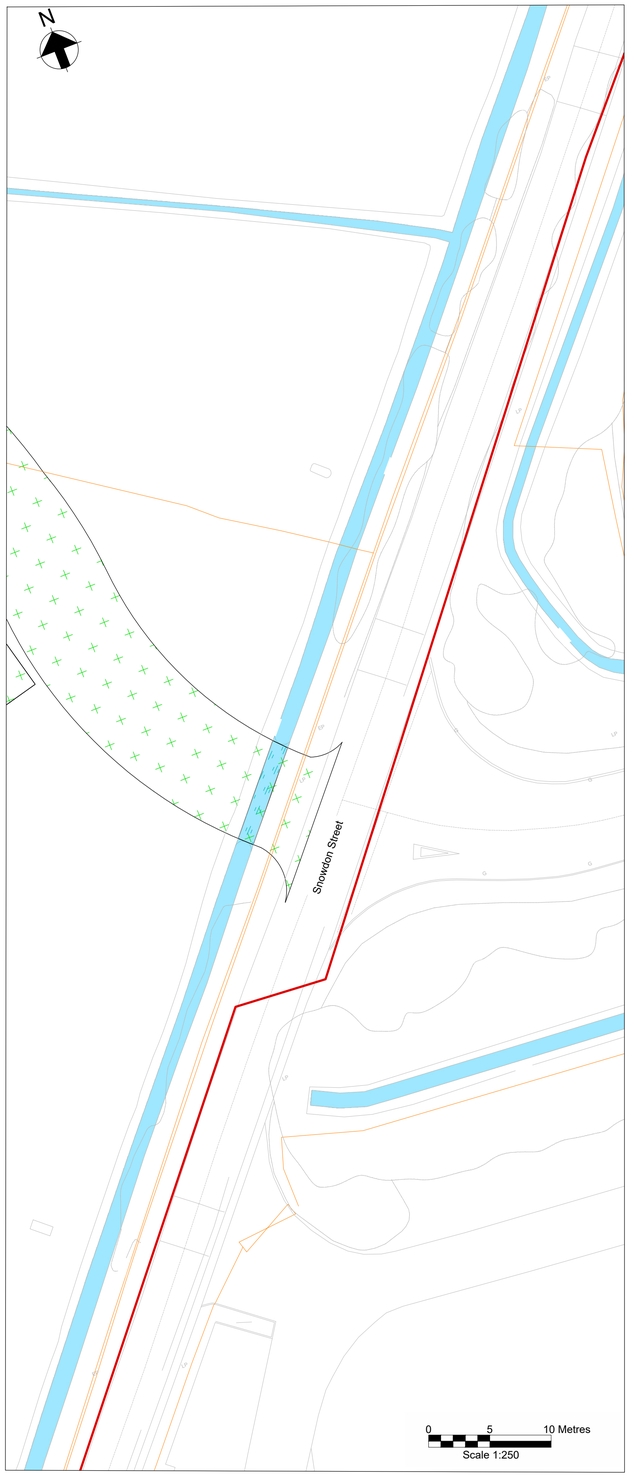

Permanent Plan
Scale 1:250

Key Plan

Notes

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3. All dimensions in metres unless otherwise stated.
4. All levels are in meters Above Ordnance Datum (mAOD)

Legend

- Work site boundary
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Legend (Construction Plan)

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Dwg Title:
Planning Drawings
Bellmouth and Road Widening Plan 8

Site: Glaslyn Cable Uprating		A1 100%	CAD
Originator Dwg No: GLAS-ARUP-70-XX-DR-X-9180	Originators Proj.Ref: 295280-00		
NG Investment No:			
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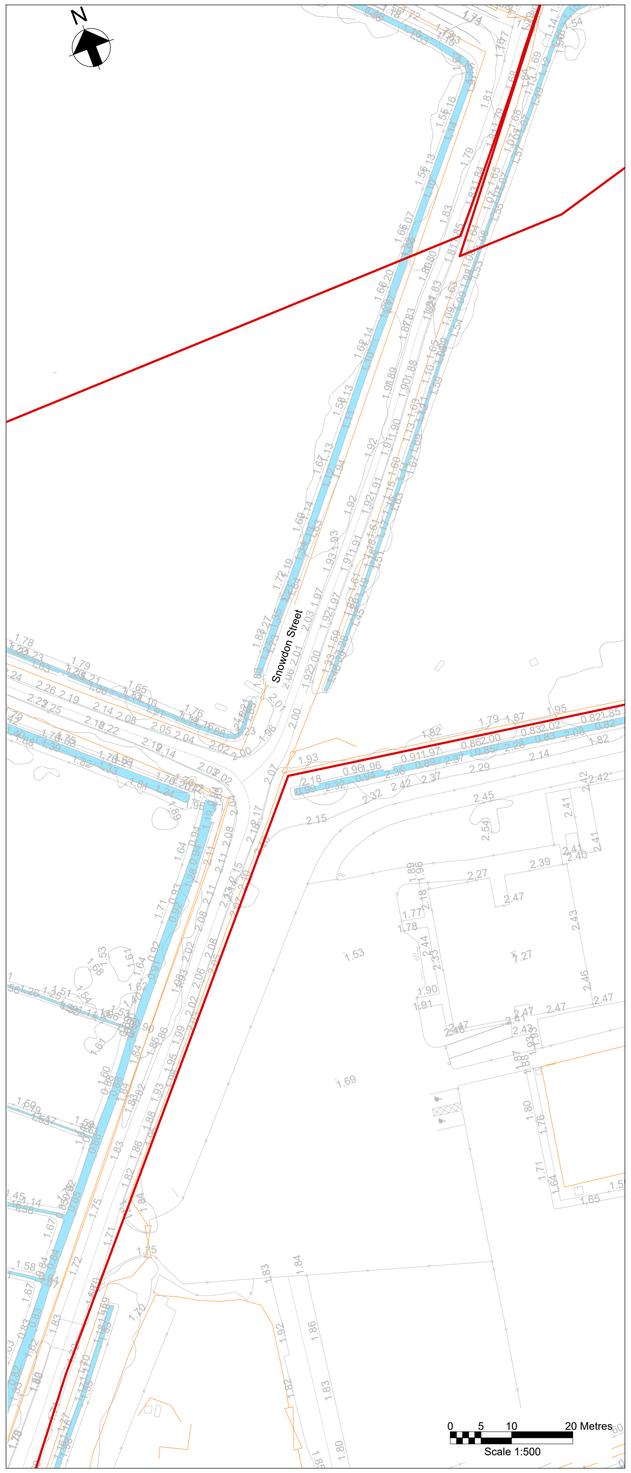

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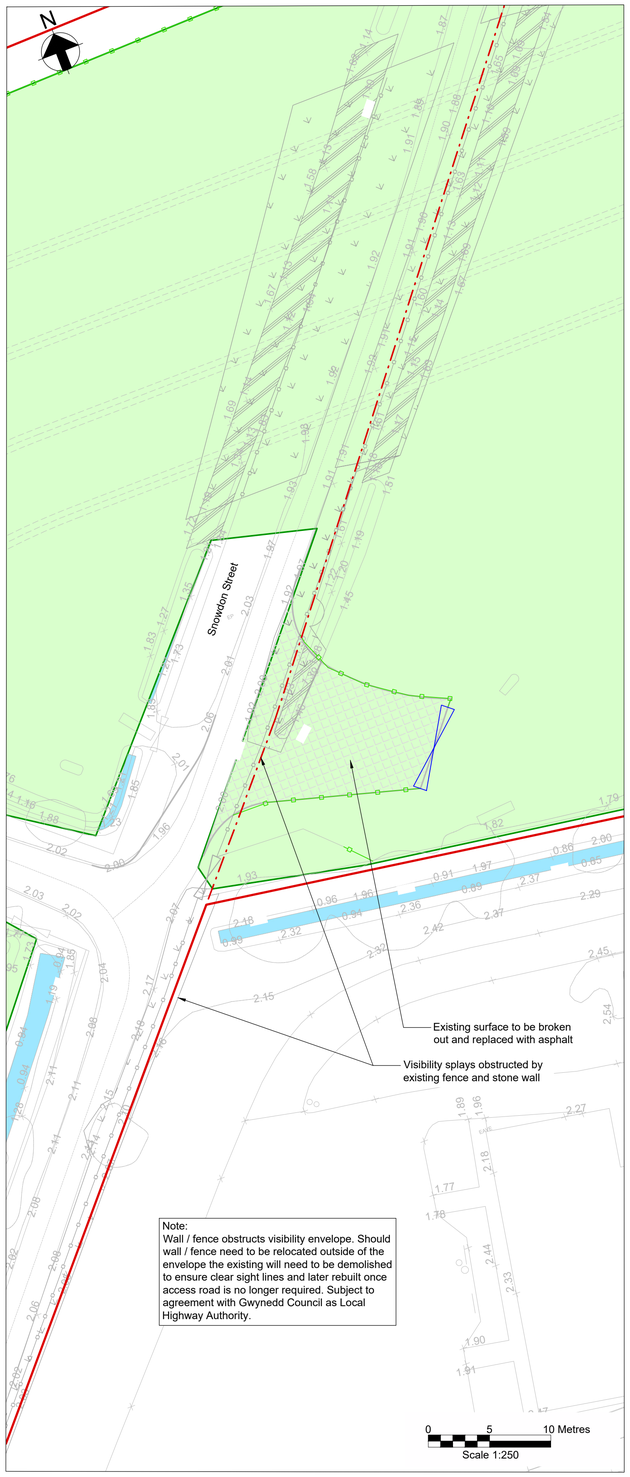

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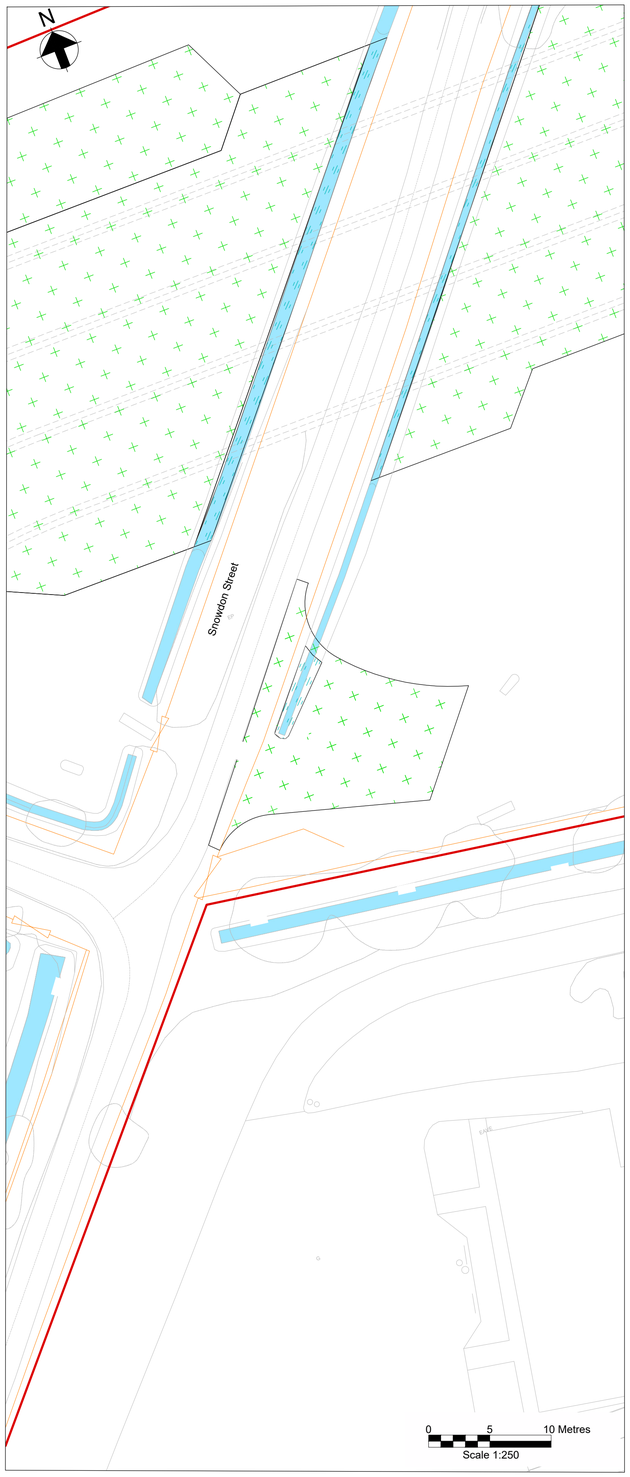
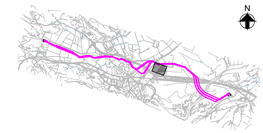


Permanent Plan
Scale 1:250

Key Plan



Notes

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Legend

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Legend (Construction Plan)

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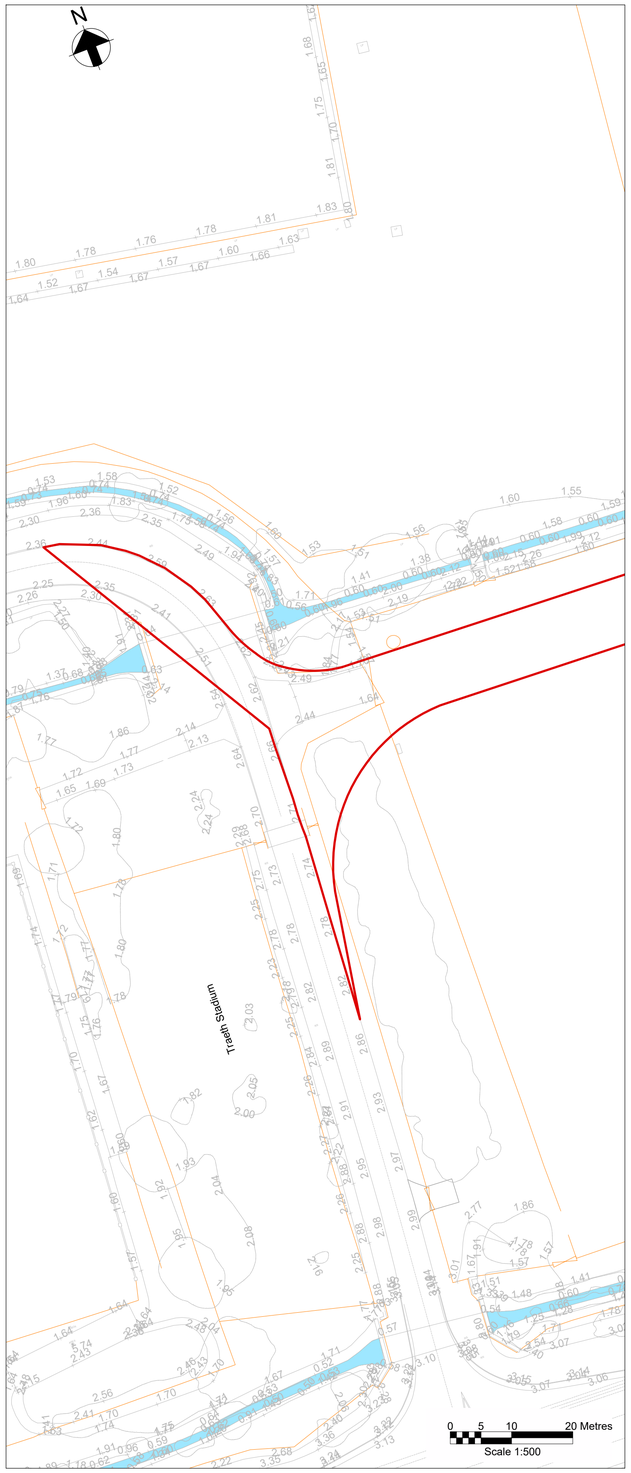
Dwg Title:
Planning Drawings
Bellmouth and Road Widening Plan 9

Site: Glaslyn Cable Uprating	A1 100%	CAD
Originator Dwg No: GLAS-ARUP-70-XX-DR-X-9181	Originators Proj.Ref: 295280-00	
NG Investment No:		
NG Dwg No:	Sheet No: 1 / Total No. of Sheets 1	Issue: C
Scale: As Shown		



Existing Plan
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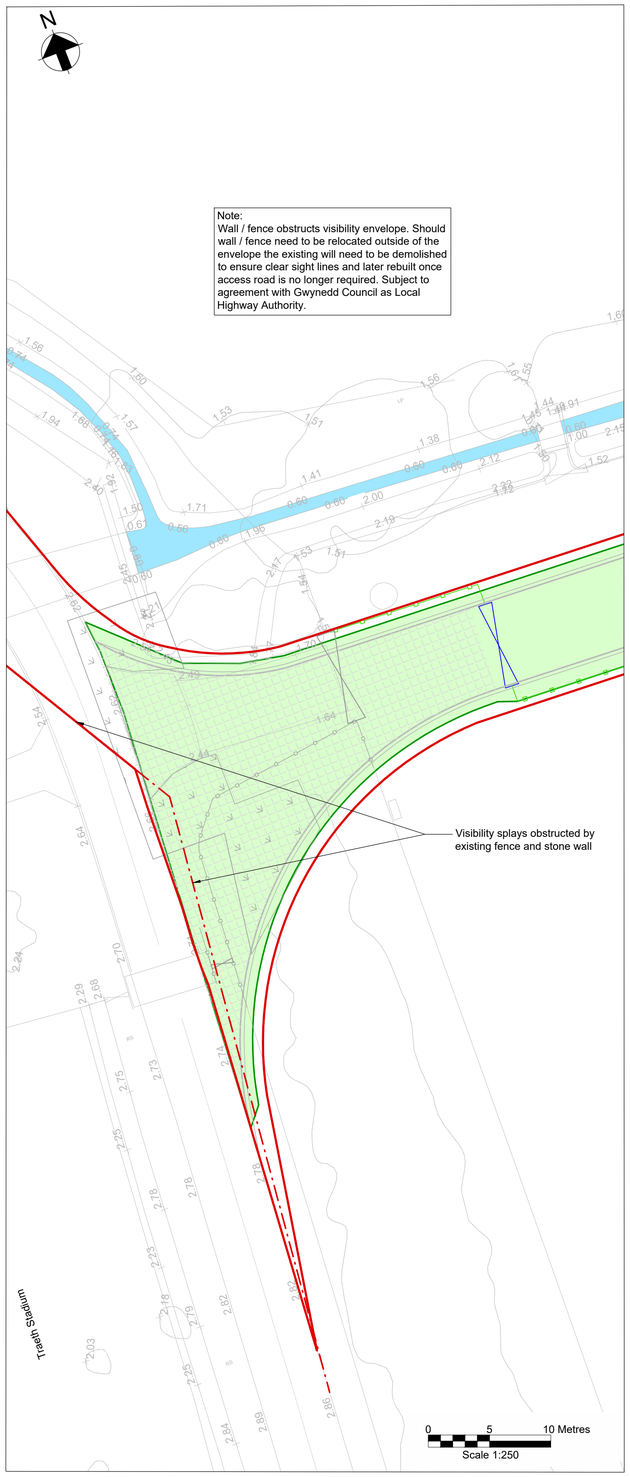

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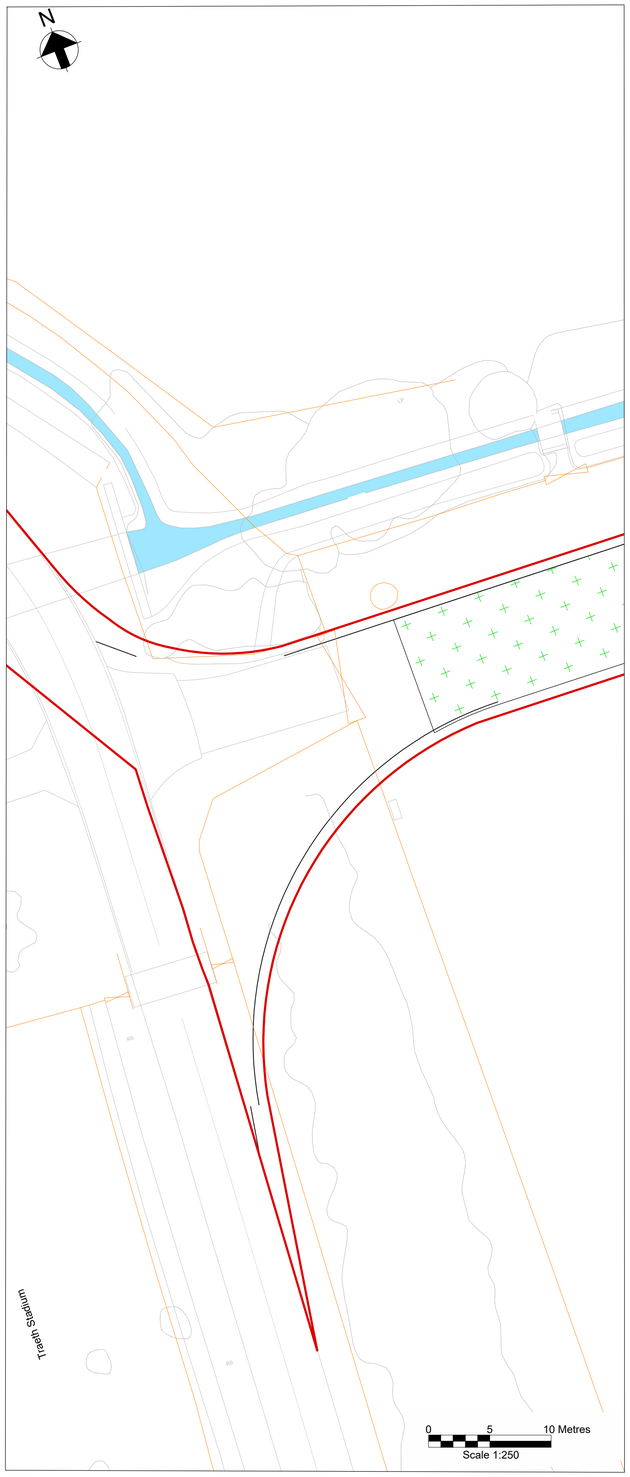

Permanent Plan
Scale 1:250

Key Plan

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Dwg Title:
Planning Drawings
Bellmouth and Road Widening Plan 10

Site: Glaslyn Cable Uprating
A1 100% | CAD

Originator Dwg No: GLAS-ARUP-70-XX-DR-X-9182
Originators Proj.Ref: 295280-00
NG Investment No:
NG Dwg No:
Sheet No: 1
Total No. of Sheets 1
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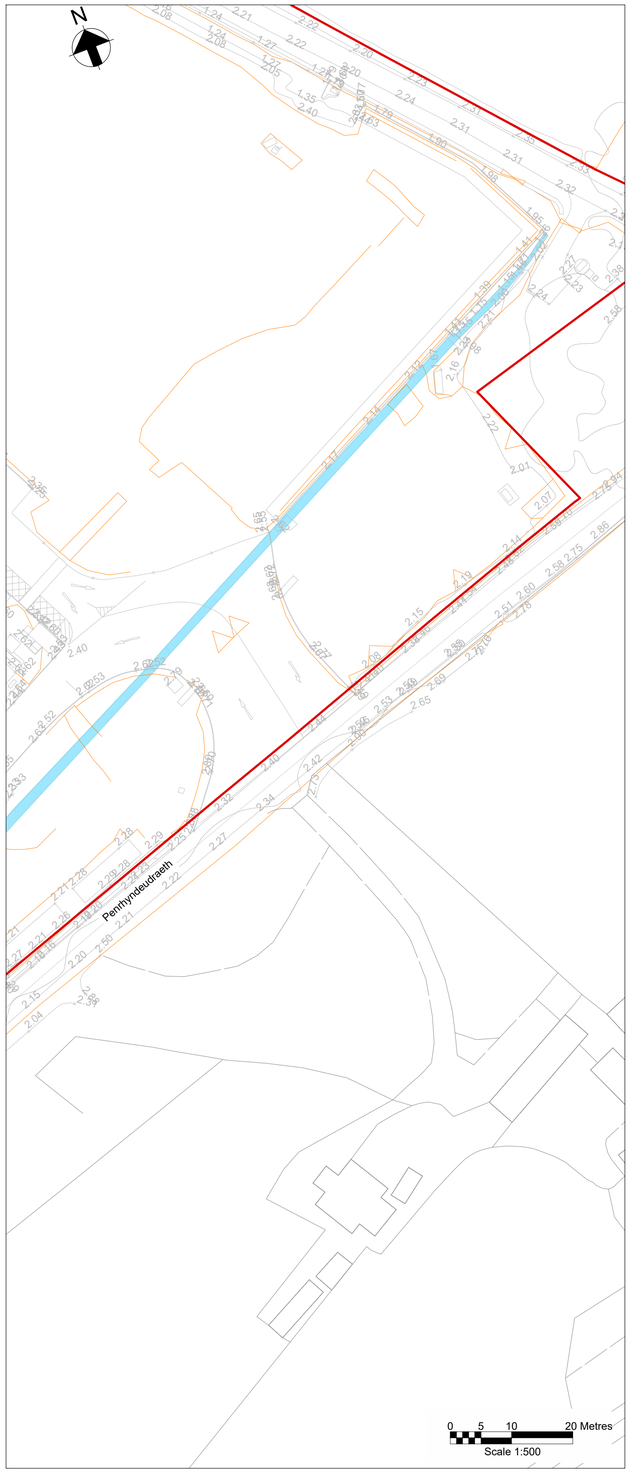

Existing Plan
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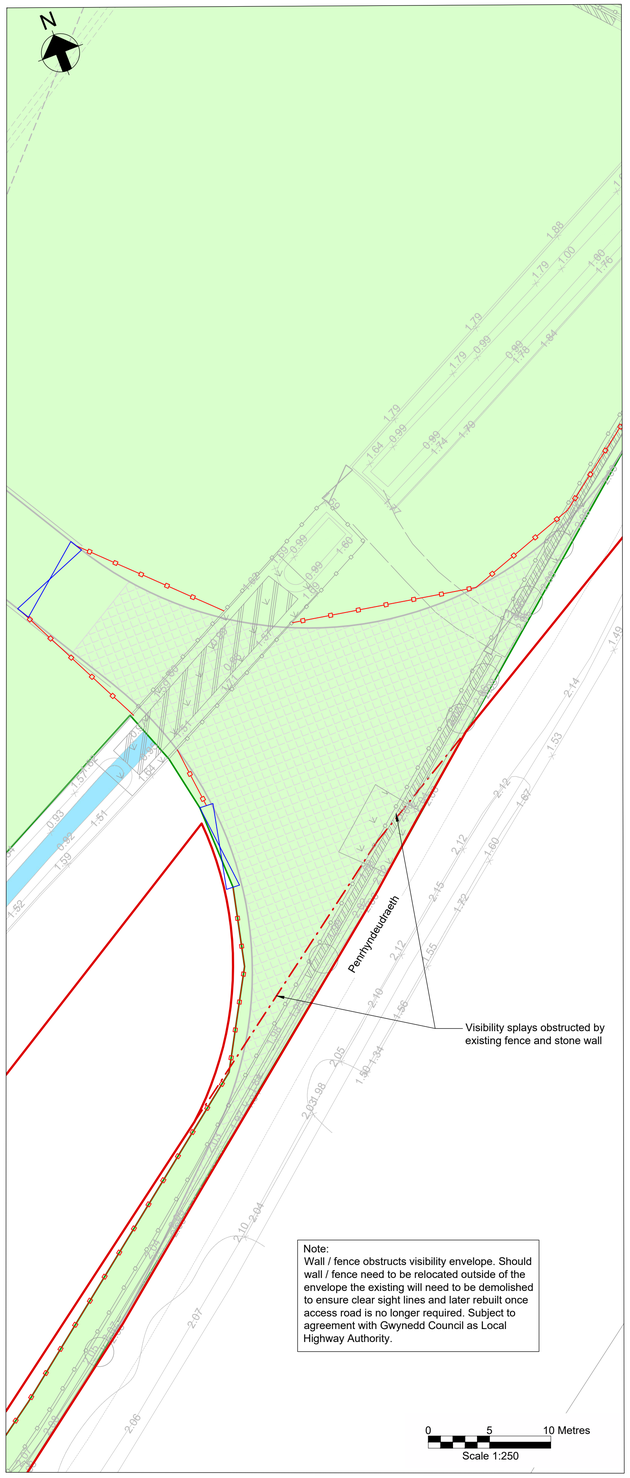

Construction Plan
Scale 1:250

Permanent Plan
Scale 1:250

Key Plan

Notes
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Dwg Title:
Planning Drawings
Bellmouth and Road Widening Plan 11

Site: Glaslyn Cable Uprating
A1 100% | CAD

Originator Dwg No: GLAS-ARUP-70-XX-DR-X-9183
Originators Proj.Ref: 295280-00
NG Investment No:
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