

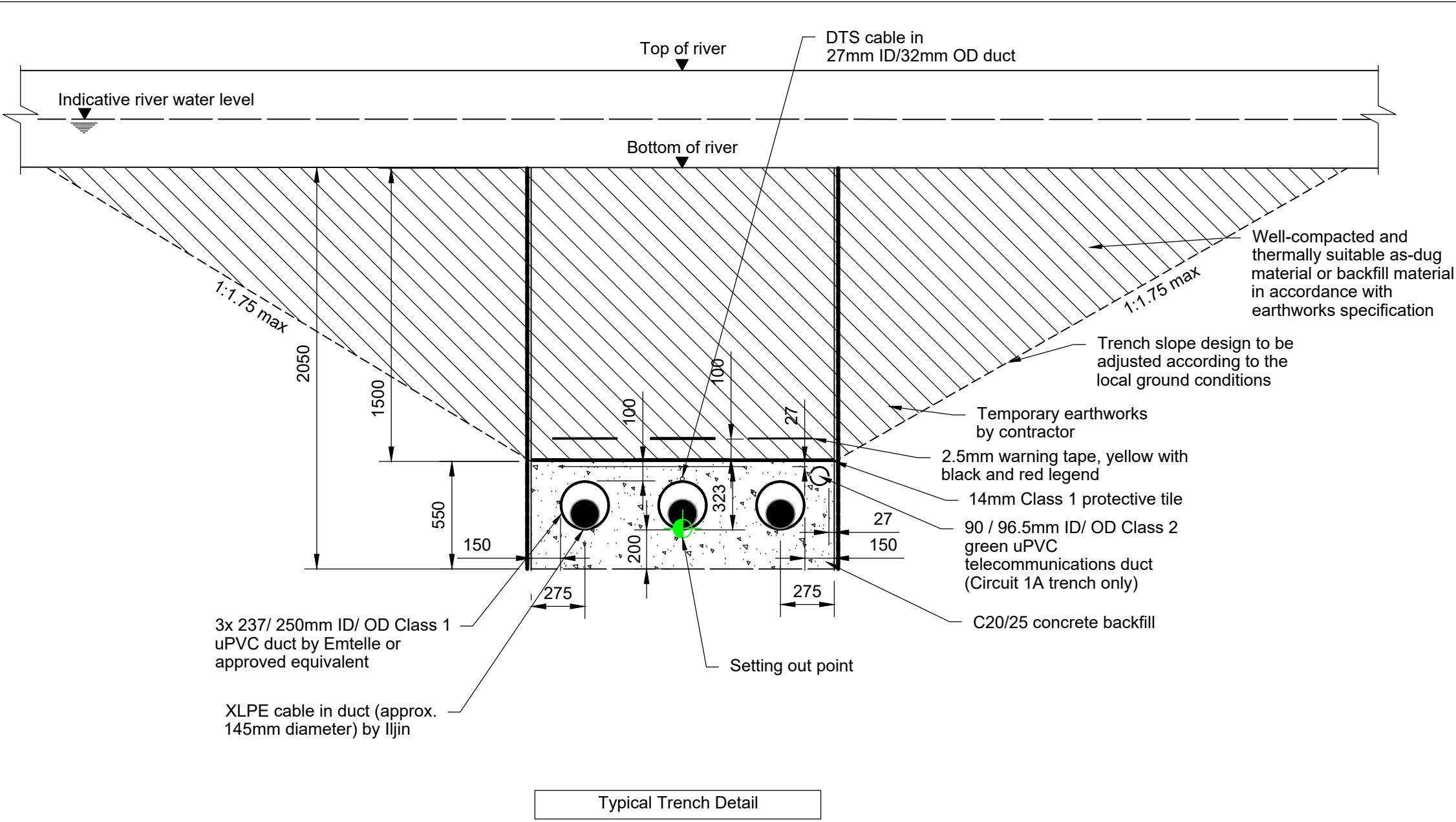
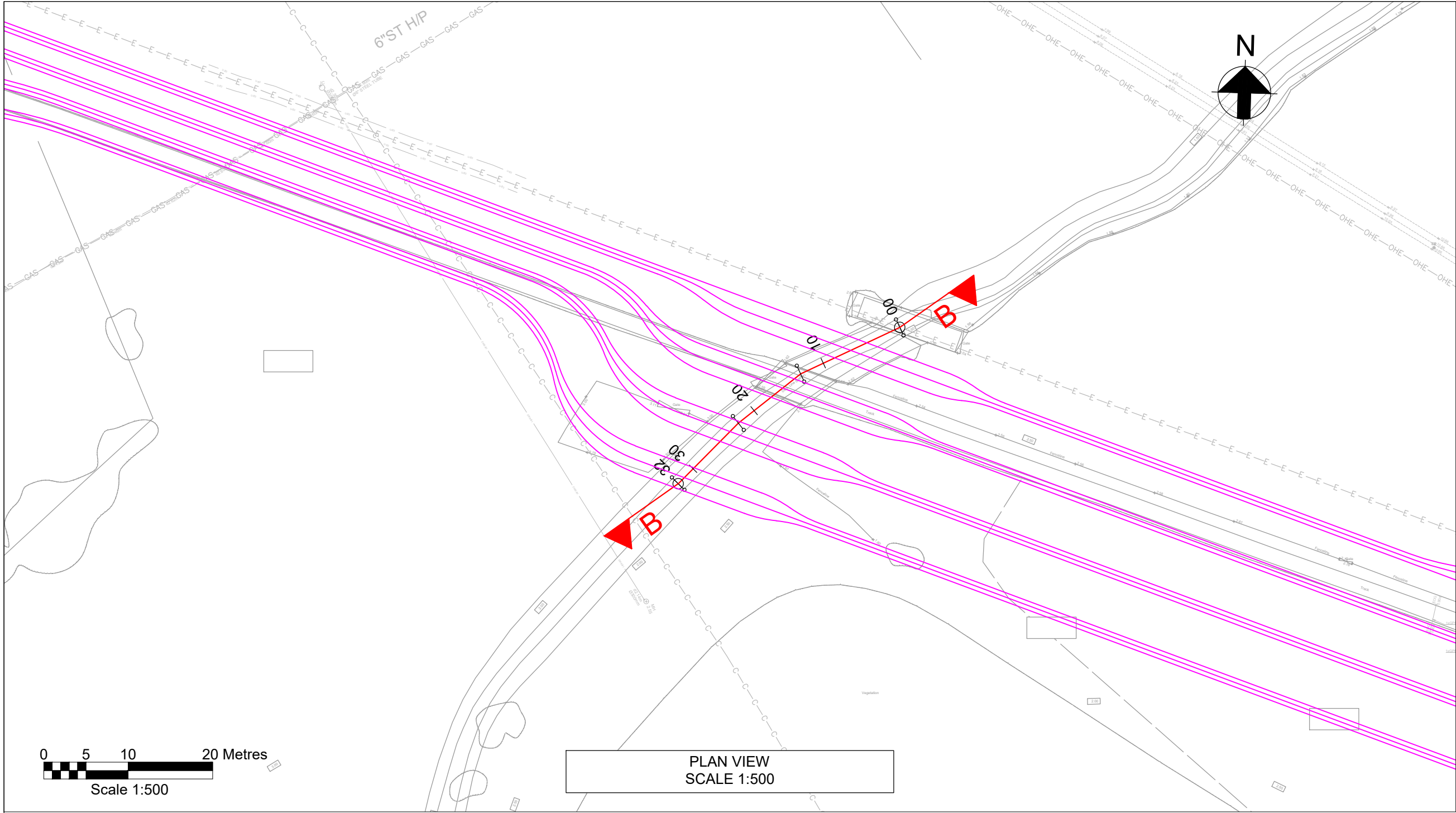
- Notes**
- Do not scale from this drawing.
  - Drawing to be printed in colour.
  - All dimensions in millimeters unless otherwise stated.
  - All levels are in meters Above Ordnance Datum (mAOD)
  - Existing ground model and utilities information based on survey MGSS4157 dated 08/09/23 and undertaken by Murphy Geospatial, with additional data from subsequent GPR survey.
  - 400kV cable ducts and ancillary equipment are installed in open cut trench unless otherwise noted.
  - Profiles to be read in accordance with the specified scales.
  - Temporary dewatering is likely to be required to provide stability for all excavations. Preliminary assessment indicates that wellpoint groundwater lowering is necessary for unsupported trenches.
  - Excavation details to be confirmed at a later stage.
  - The requirements of service providers such as temporary support requirements and watching briefs will be incorporated into a method statement.
  - Chainages used are starting at Wern toward Minffordd as per the Circuit shown in the drawing.
  - 400kV circuit names are as follows: Circuit 1 is Pentir - Bryncoir - Trawsfynydd, Circuit 2 is Pentir - Dinorwig - Trawsfynydd.

**Legend**

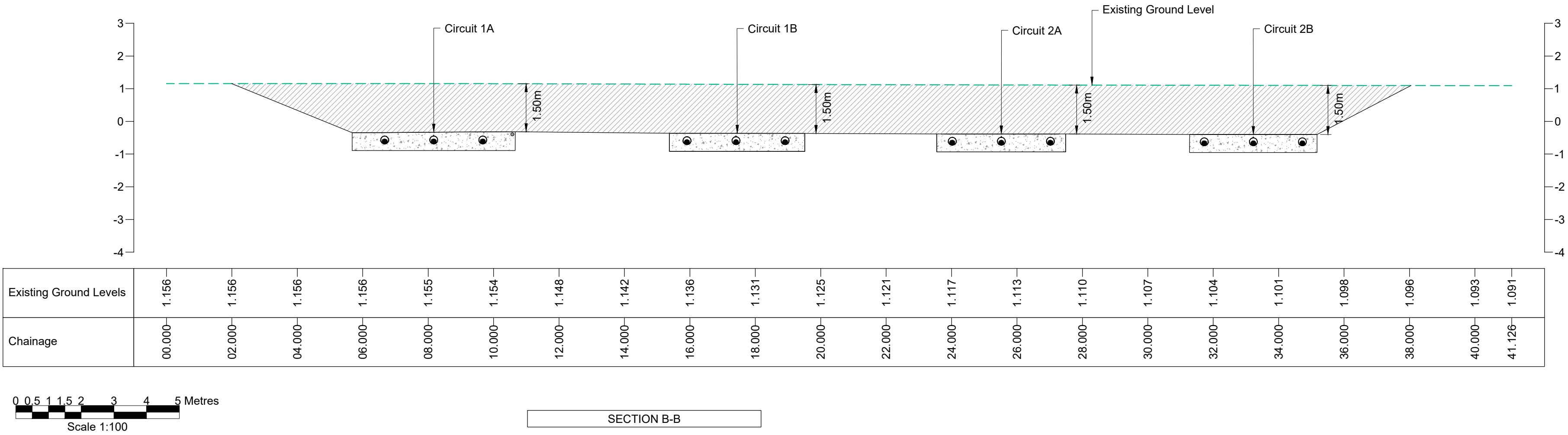
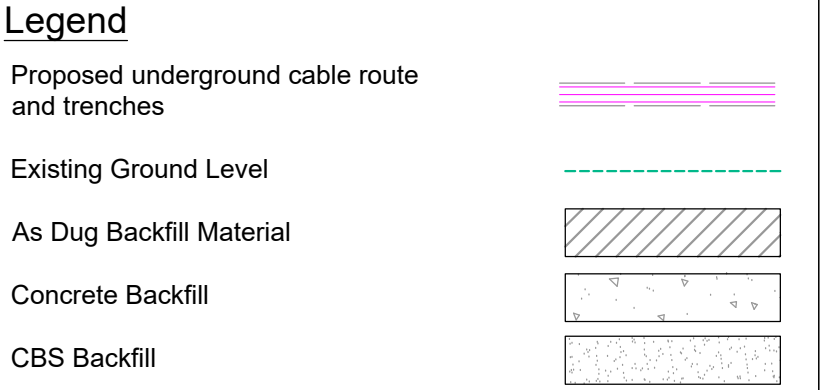
Existing Ground Level

As Dug Backfill Material

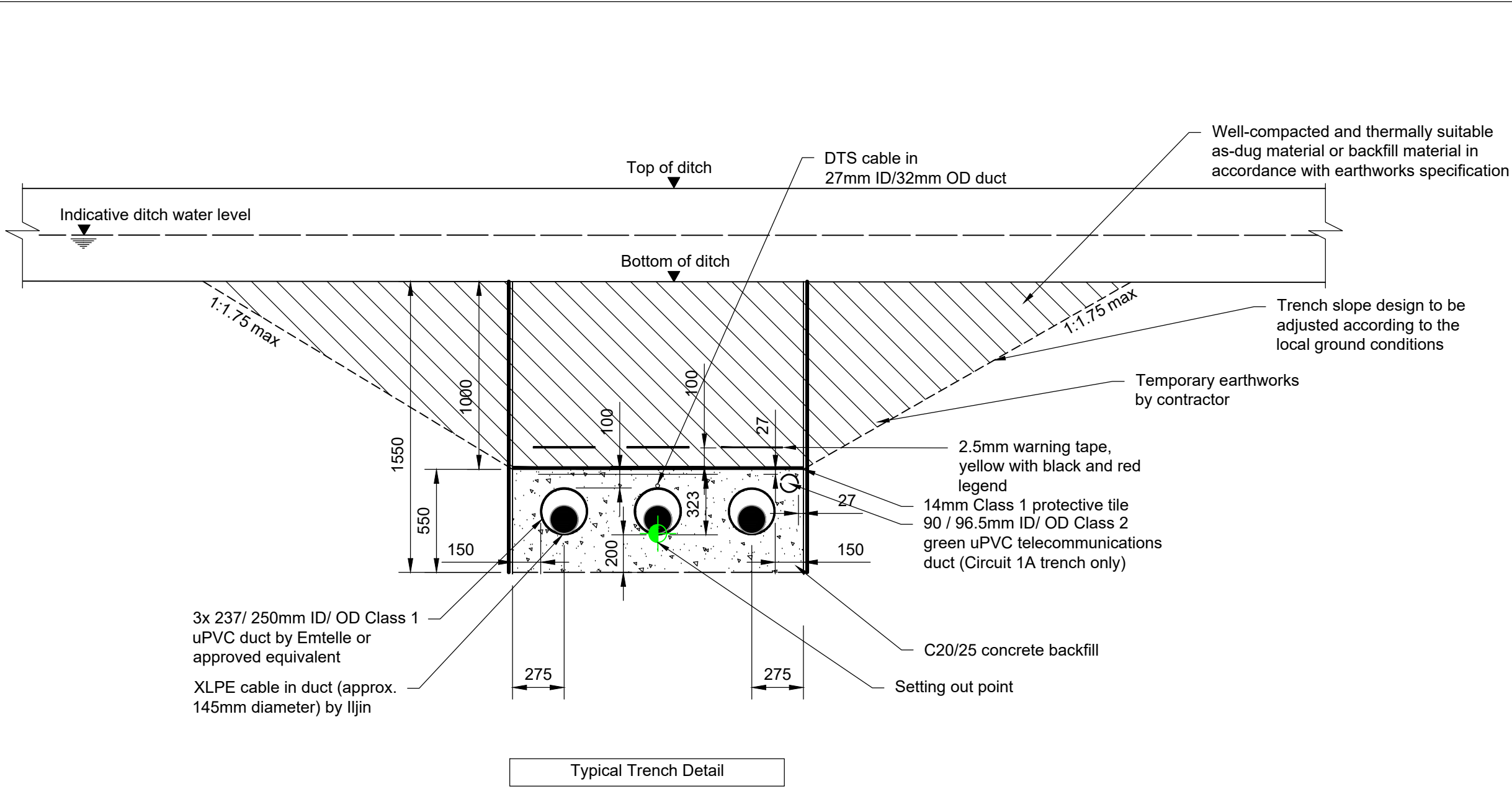
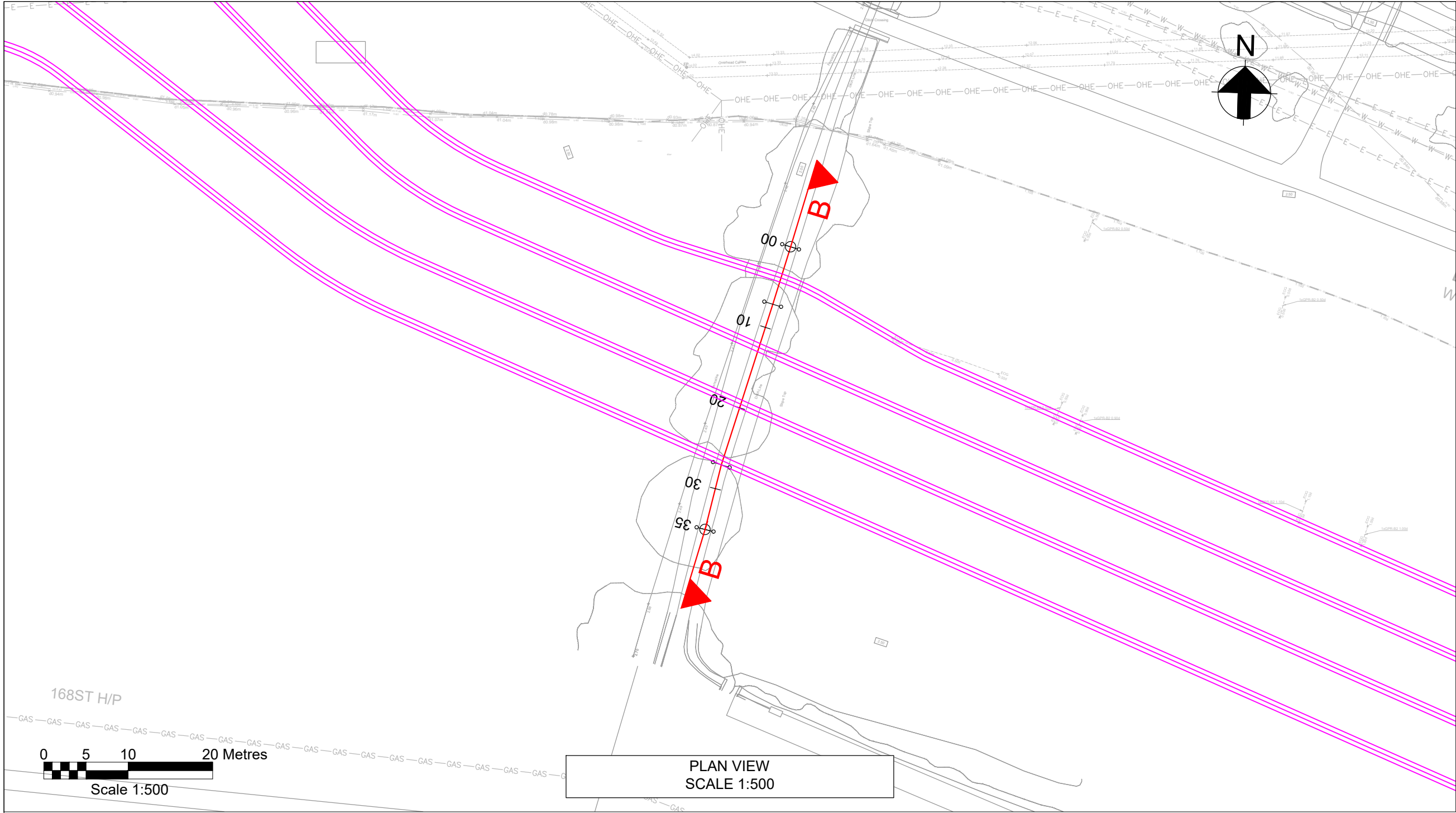
CBS Backfill



- Notes**
- Do not scale from this drawing.
  - Drawing to be printed in colour.
  - All dimensions in millimeters unless otherwise stated.
  - All levels are in meters Above Ordnance Datum (mAOD)
  - Existing ground model and utilities information based on survey MGS54157 dated 08/09/23 and undertaken by Murphy Geospatial, with additional data from subsequent GPR survey.
  - 400kV cable ducts and ancillary equipment are installed in open cut trench unless otherwise noted.
  - Profiles to be read in accordance with the specified scales.
  - Temporary dewatering is likely to be required to provide stability for all excavations. Preliminary assessment indicates that wellpoint groundwater lowering is necessary for unsupported trenches.
  - Excavation details to be confirmed at a later stage.
  - The requirements of service providers such as temporary support requirements and watching briefs will be incorporated into a method statement.
  - Chainages used are starting at Wern toward Minffordd as per the Circuit shown in the drawing.
  - 400kV circuit names are as follows: Circuit 1 is Pentir - Bryncoir - Trawsfynydd, Circuit 2 is Pentir - Dinorwig - Trawsfynydd.





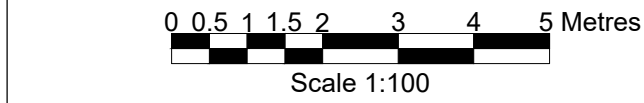
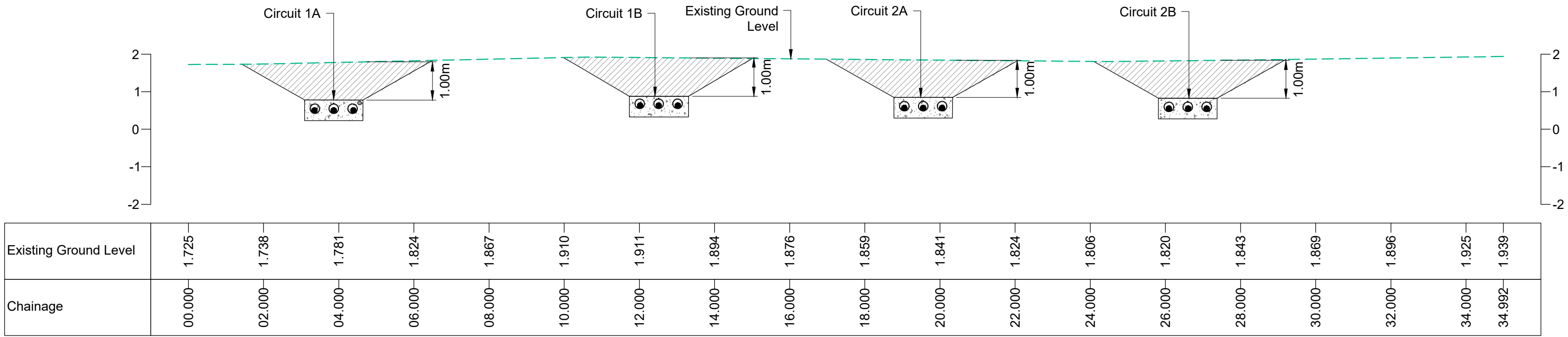


Notes

1. Do not scale from this drawing.
2. Drawing to be printed in colour.
3. All dimensions in millimeters unless otherwise stated.
4. All levels are in meters Above Ordnance Datum (mAOD)
5. Existing ground model and utilities information based on survey MGS54157 dated 08/09/23 and undertaken by Murphy Geospatial, with additional data from subsequent GPR survey.
6. 400kV cable ducts and ancillary equipment are installed in open cut trench unless otherwise noted.
7. Profiles to be read in accordance with the specified scales.
8. Temporary dewatering is likely to be required to provide stability for all excavations. Preliminary assessment indicates that wellpoint groundwater lowering is necessary for unsupported trenches.
9. Excavation details to be confirmed at a later stage.
10. The requirements of service providers such as temporary support requirements and watching briefs will be incorporated into a method statement.
11. Chainages used are starting at Wern toward Minffordd as per the Circuit shown in the drawing.
12. 400kV circuit names are as follows: Circuit 1 is Pentir - Brynair - Trawsfynydd, Circuit 2 is Pentir - Dinorwig - Trawsfynydd.

Legend

|   |  |
|---|--|
| Proposed underground cable route and trenches |  |
| Existing Ground Level                         |  |
| As Dug Backfill Material                      |  |
| Concrete Backfill                             |  |
| CBS Backfill                                  |  |



© Crown copyright and database rights 2023 Ordnance Survey 0100031673

This document is issued for the party which commissioned it and for specific purposes connected with the captioned project only. It should not be relied upon by any other party or used for any other purpose. We accept no responsibility for the consequences of this document being relied upon by any other party, or being used for any other purpose, or containing any error or omission which is due to an error or omission in data supplied to us by other parties.

Dwg Title:  
Planning Drawings  
Cable Crossing under Ditch  
Typical Detail

|   |                                    |                           |          |
|---|------------------------------------|---------------------------|----------|
| Site: Glaslyn Cable Uprating                    |                                    | A1<br>100%                | CAD      |
| Originator<br>Dwg No: GLAS-ARUP-70-XX-DR-X-9152 | Originators<br>Proj.Ref: 295280-00 |                           |          |
| NG Investment<br>No:                            | Sheet No: 3                        | Total No.<br>of Sheets: 8 | Issue: B |
| NG<br>Dwg No:                                   |                                    |                           |          |
| Scale: As Shown                                 |                                    |                           |          |



J. MURPHY & SONS LTD  
Hivew House, Highgate Road, London NW5 1TN

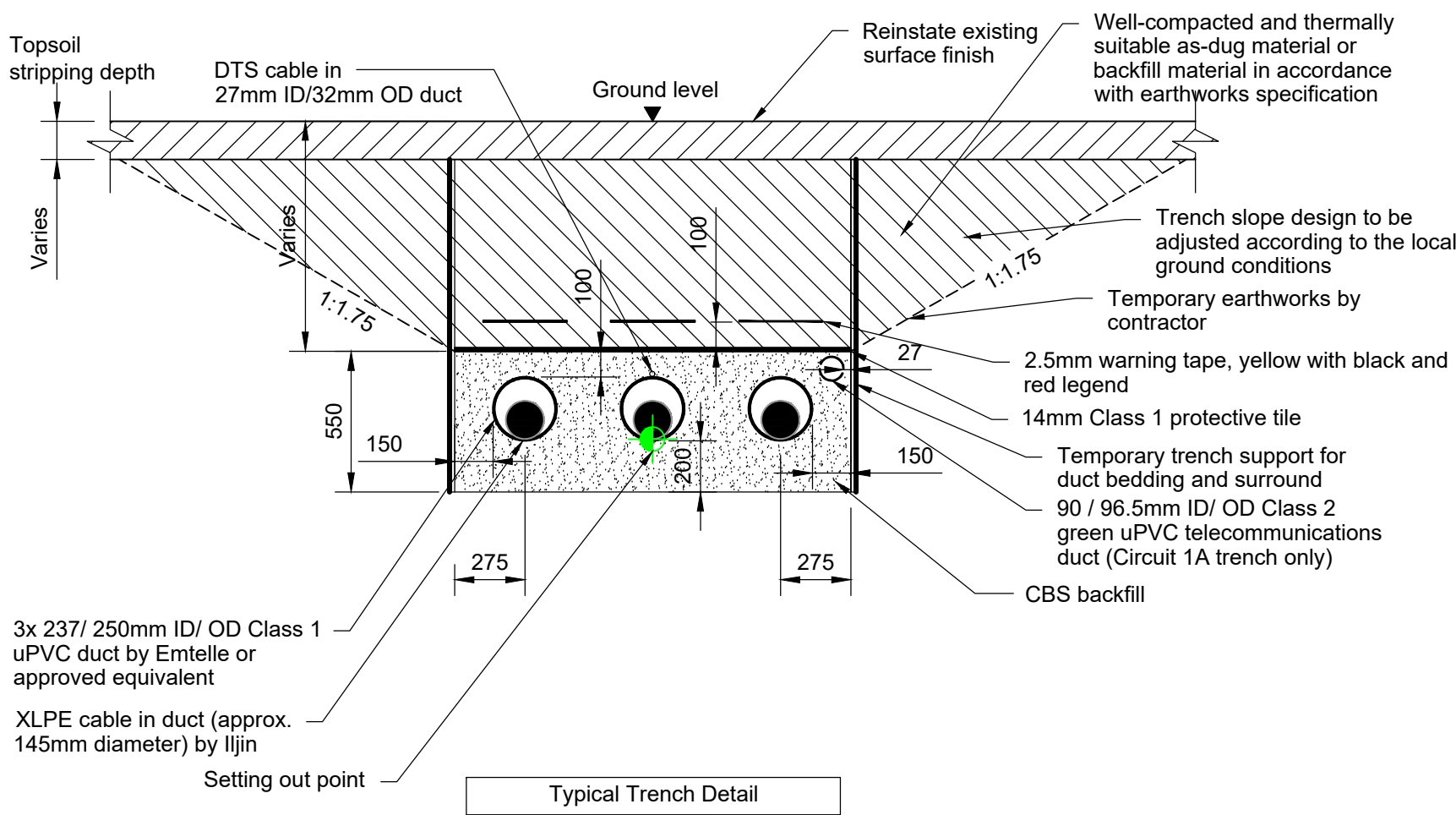
National Grid  
National Grid plc, Warwick Technology Park, Gallows Hill, Warwick, CV34 6DA

8 Fitzroy Street London  
W1T 4BJ, United Kingdom  
Tel +44(0)20 7636 1531 Fax +44(0)20 7580 3924  
www.arup.com

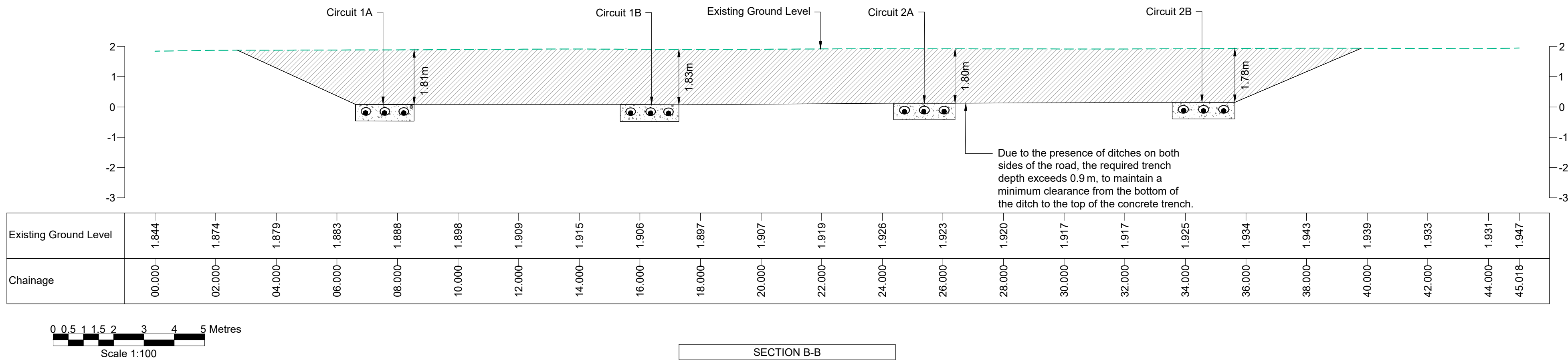
|       |          |       |         |          |                               |
|-------|----------|-------|---------|----------|-------------------------------|
| B     | 07/08/25 | RA    | RB      | GT       | Updated following NG comments |
| A     | 11/06/25 | RA    | JL      | GT       | Issued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

Draft WIP

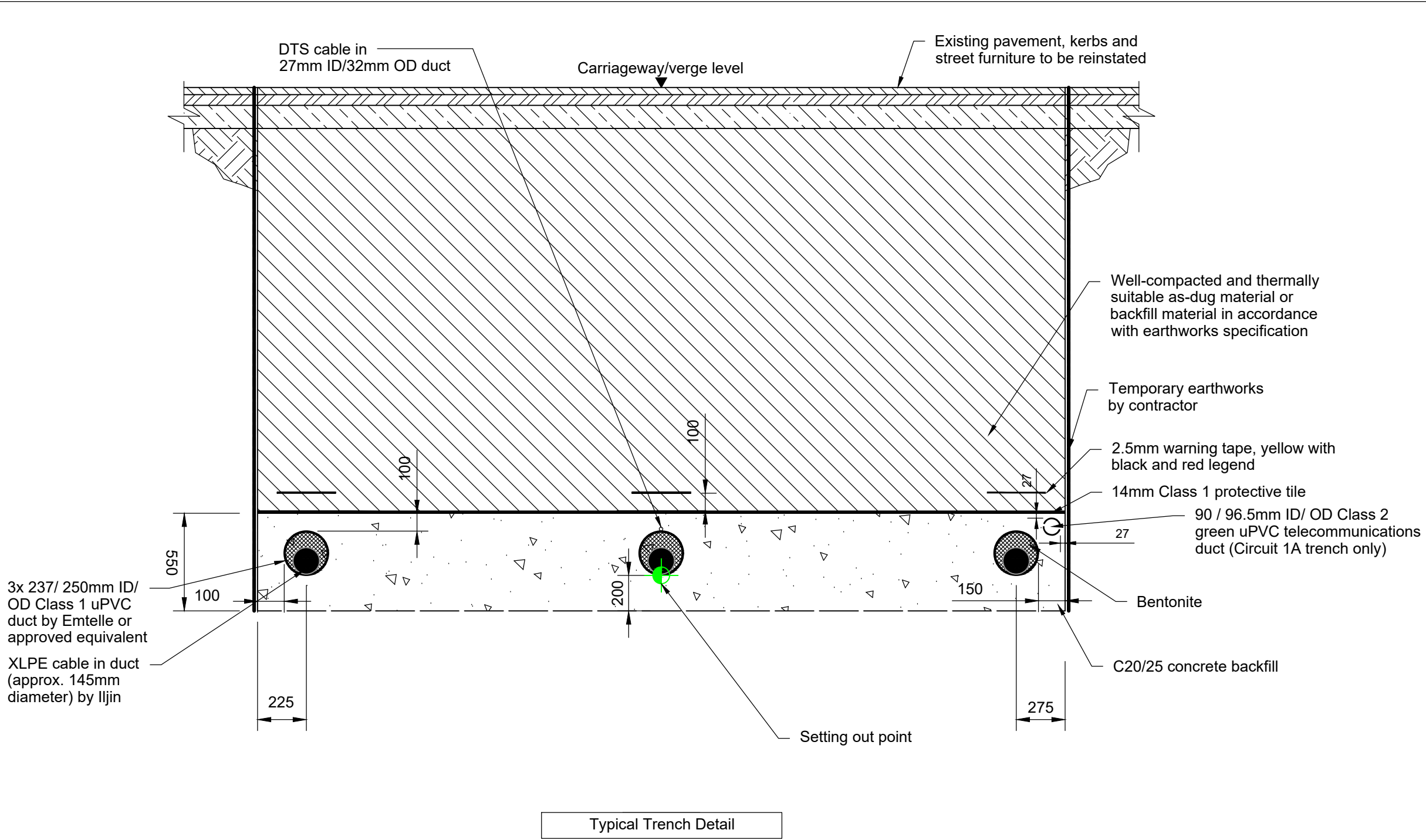
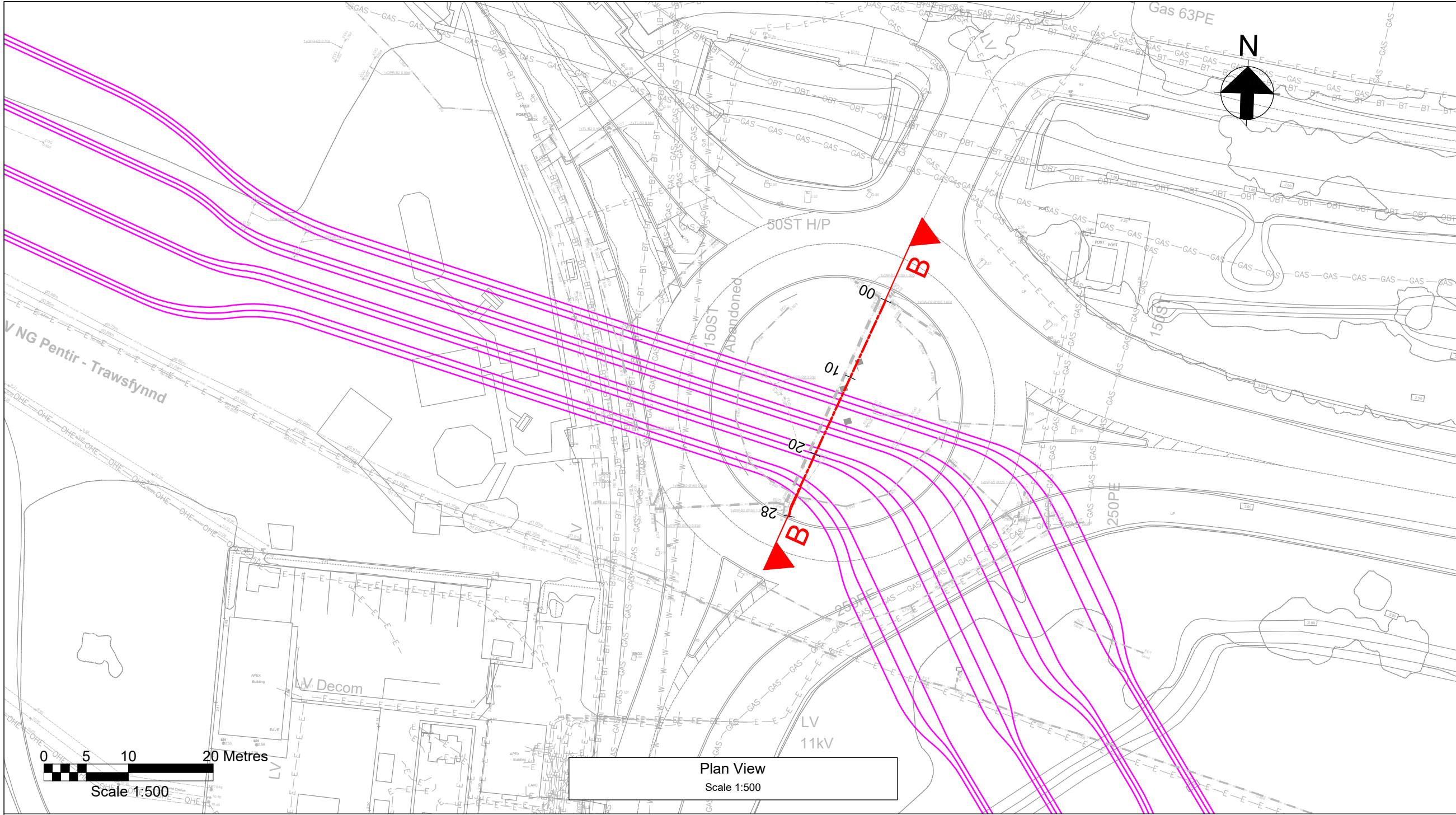




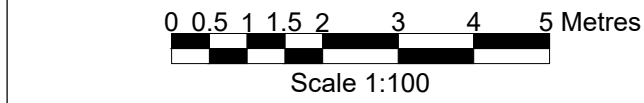
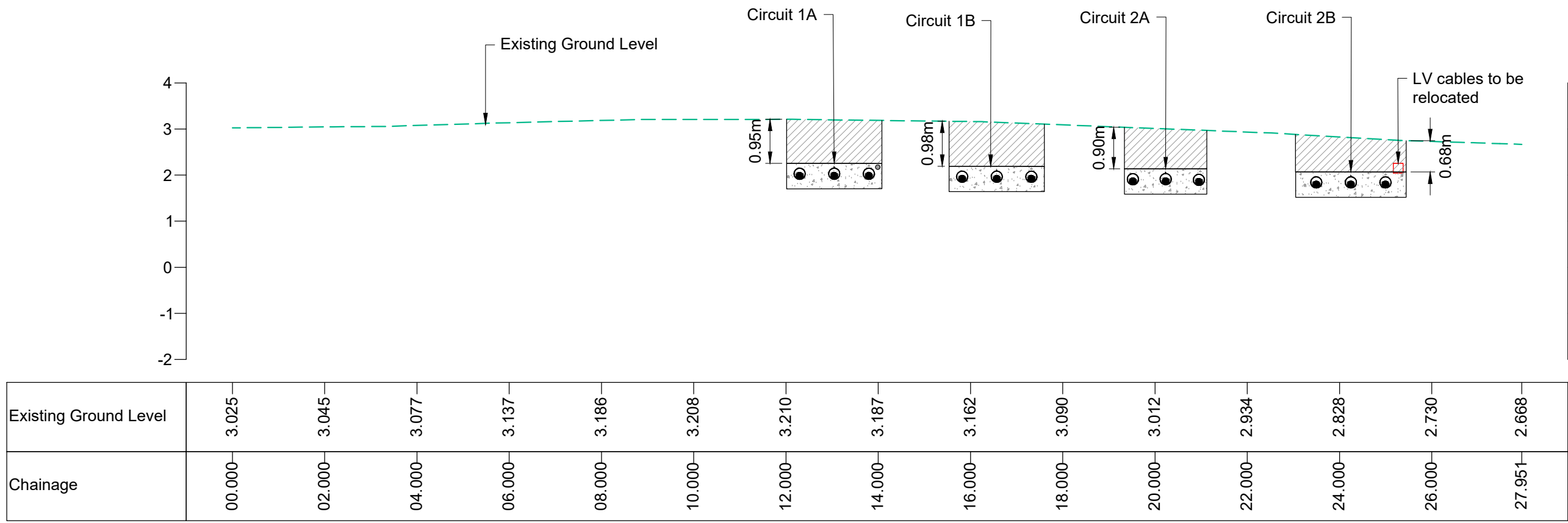
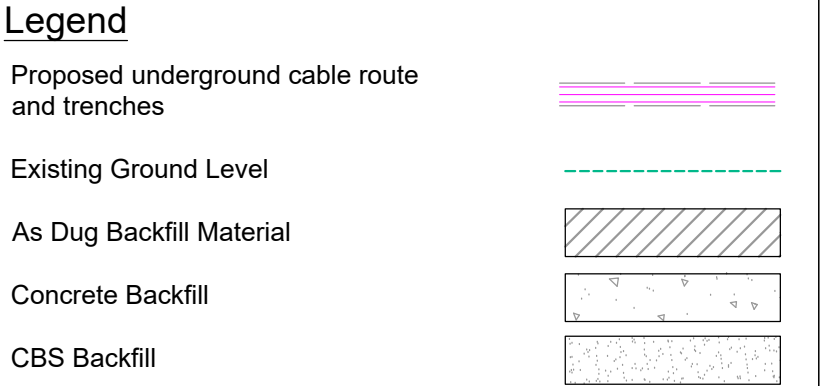
- ### Legend
- |   |  |
|---|--|
| Proposed underground cable route and trenches |  |
| Existing Ground Level                         |  |
| As Dug Backfill Material                      |  |
| Concrete Backfill                             |  |
| CBS Backfill                                  |  |



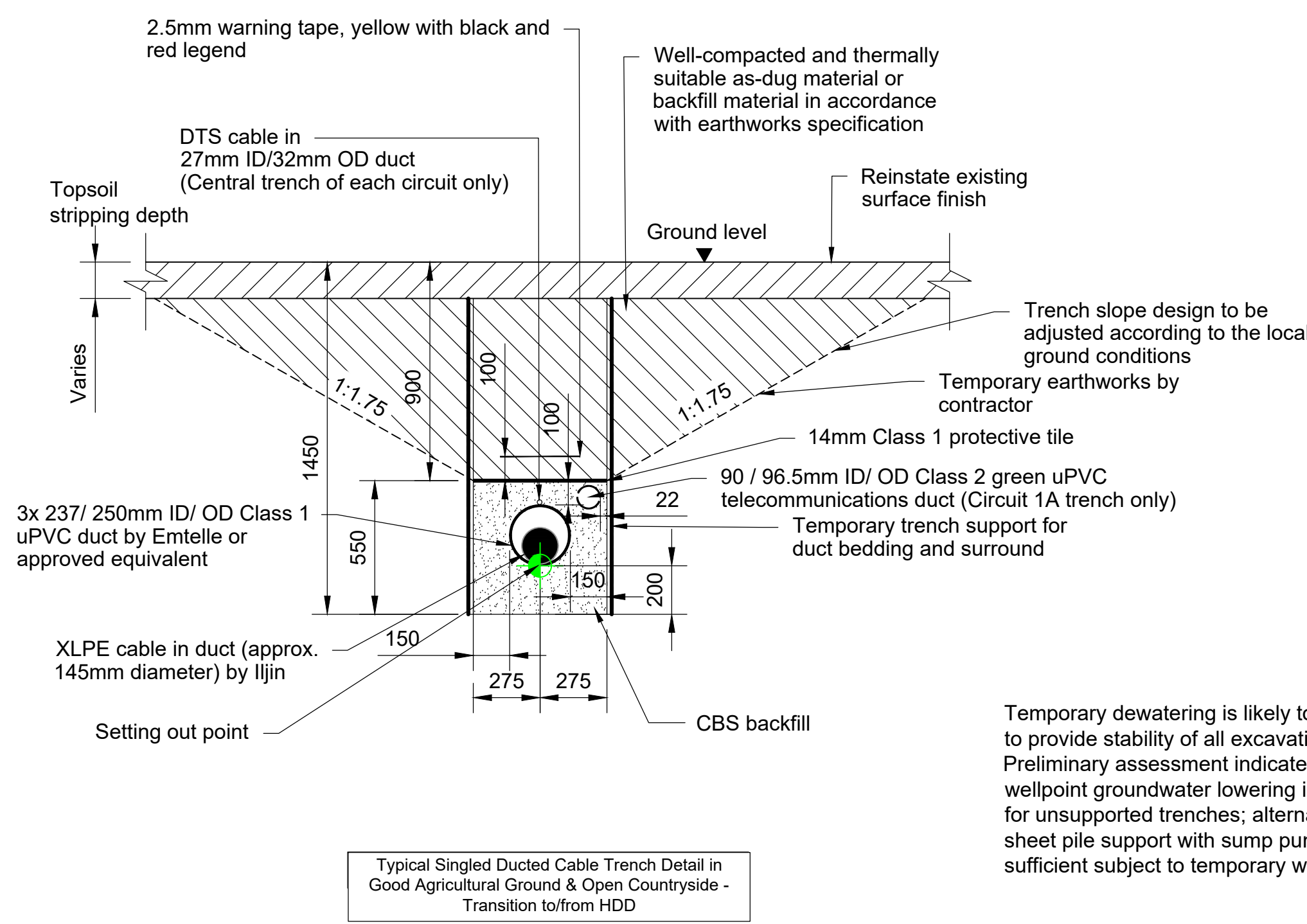
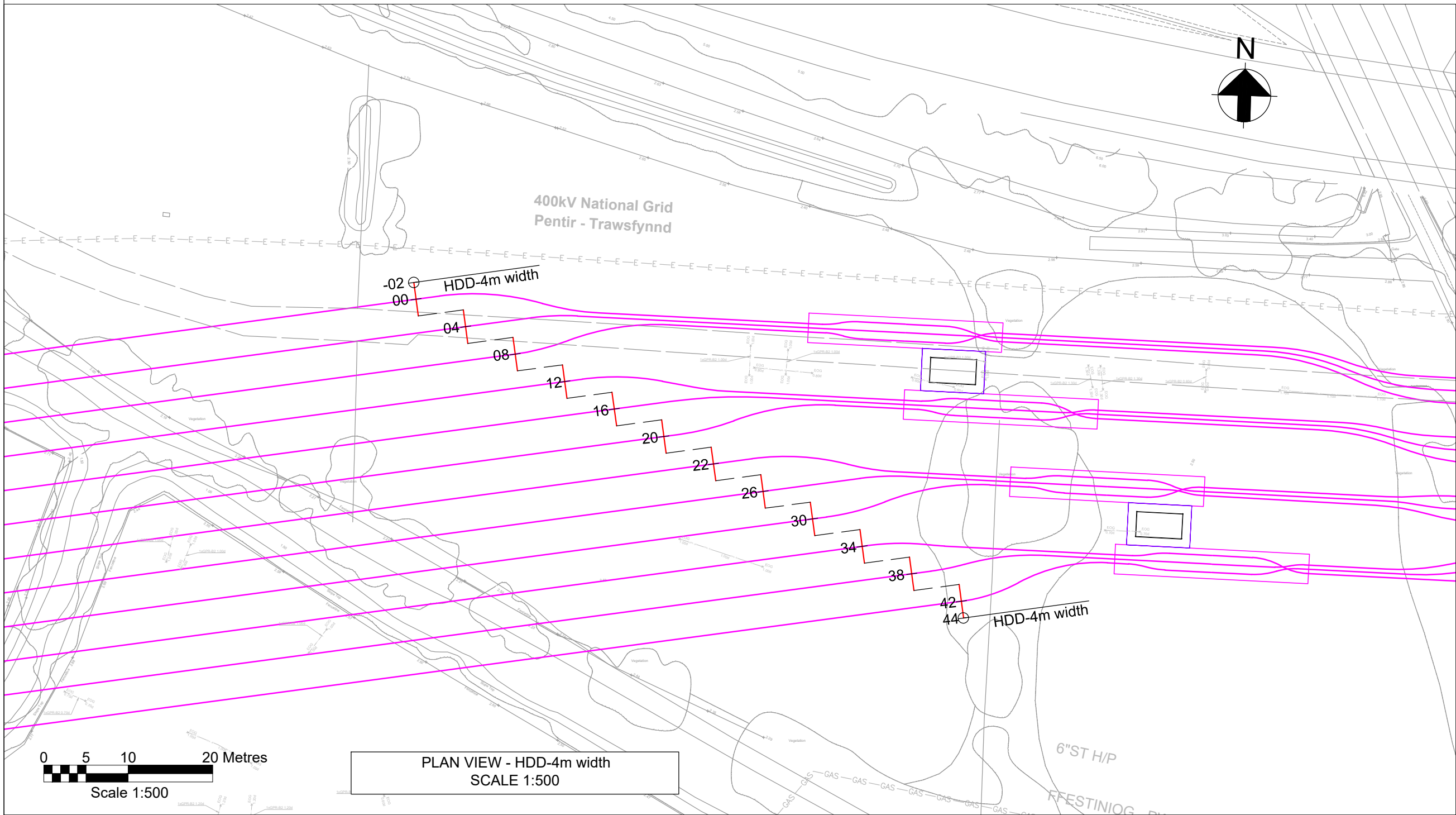




- Notes**
- Do not scale from this drawing.
  - Drawing to be printed in colour.
  - All dimensions in millimeters unless otherwise stated.
  - All levels are in meters Above Ordnance Datum (mAOD)
  - Existing ground model and utilities information based on survey MGS54157 dated 08/09/23 and undertaken by Murphy Geospatial, with additional data from subsequent GPR survey.
  - 400kV cable ducts and ancillary equipment are installed in open cut trench unless otherwise noted.
  - Profiles to be read in accordance with the specified scales.
  - Temporary dewatering is likely to be required to provide stability for all excavations. Preliminary assessment indicates that wellpoint groundwater lowering is necessary for unsupported trenches.
  - Excavation details to be confirmed at a later stage.
  - The requirements of service providers such as temporary support requirements and watching briefs will be incorporated into a method statement.
  - Chainages used are starting at Wern toward Minffordd as per the Circuit shown in the drawing.
  - 400kV circuit names are as follows: Circuit 1 is Pentir - Brynair - Trawsfynydd, Circuit 2 is Pentir - Dinorwig - Trawsfynydd.







- Notes**
- Do not scale from this drawing.
  - Drawing to be printed in colour.
  - All dimensions in millimeters unless otherwise stated.
  - All levels are in meters Above Ordnance Datum (mAOD)
  - Existing ground model and utilities information based on survey MGS54157 dated 08/09/23 and undertaken by Murphy Geospatial, with additional data from subsequent GPR survey.
  - 400kV cable ducts and ancillary equipment are installed in open cut trench unless otherwise noted.
  - Profiles to be read in accordance with the specified scales.
  - Temporary dewatering is likely to be required to provide stability for all excavations. Preliminary assessment indicates that wellpoint groundwater lowering is necessary for unsupported trenches.
  - Excavation details to be confirmed at a later stage.
  - The requirements of service providers such as temporary support requirements and watching briefs will be incorporated into a method statement.
  - Chainages used are starting at Wern toward Minffordd as per the Circuit shown in the drawing.
  - 400kV circuit names are as follows: Circuit 1 is Pentir - Bryncir - Trawsfynydd, Circuit 2 is Pentir - Dinorwig - Trawsfynydd.

**Legend**

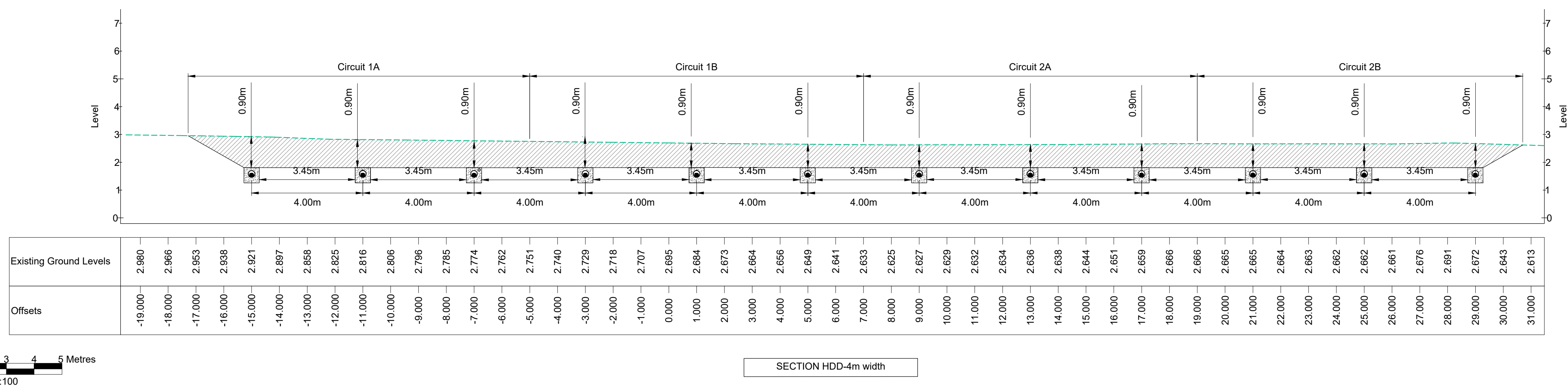
Proposed underground cable route and trenches

Existing Ground Level

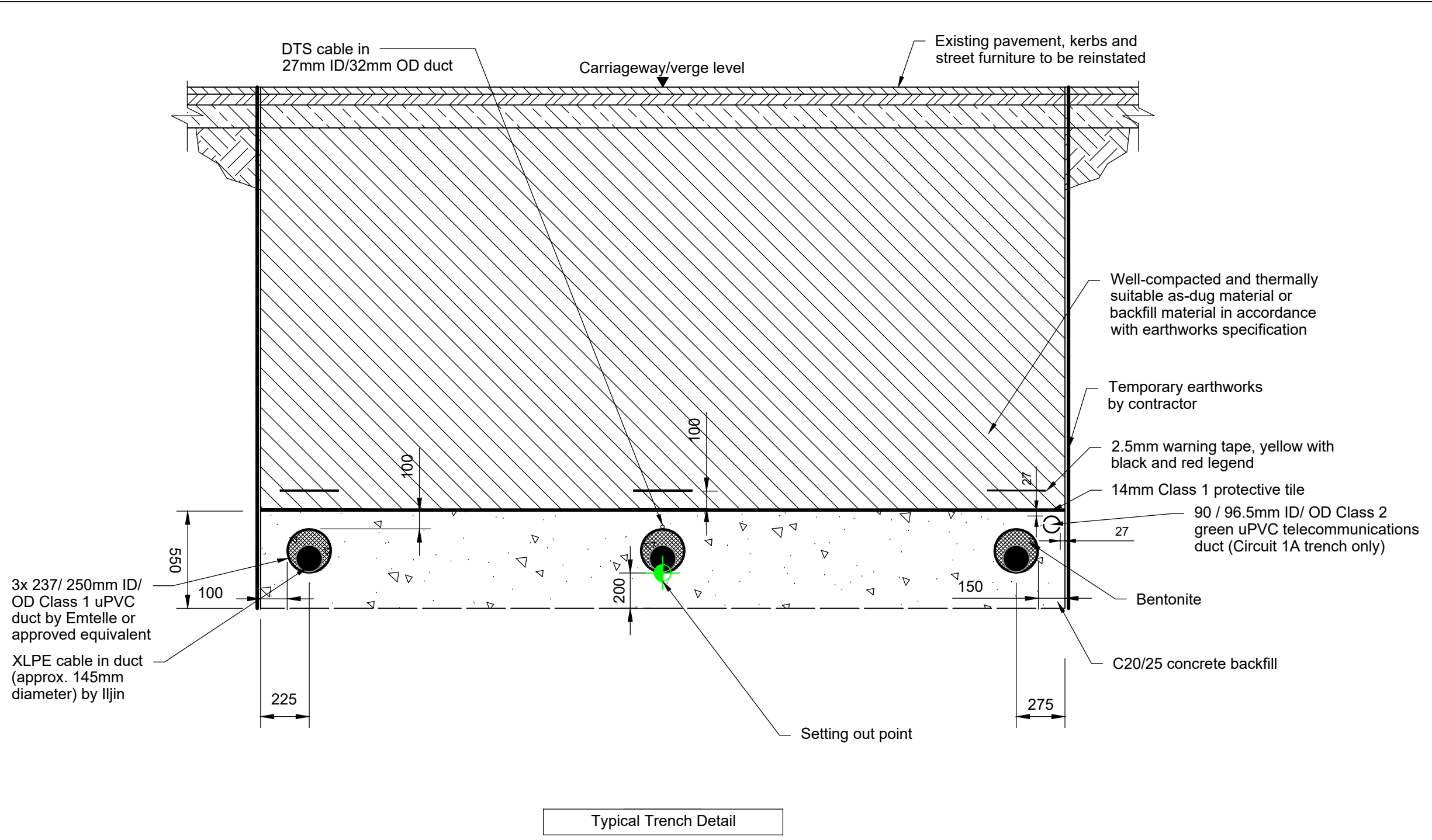
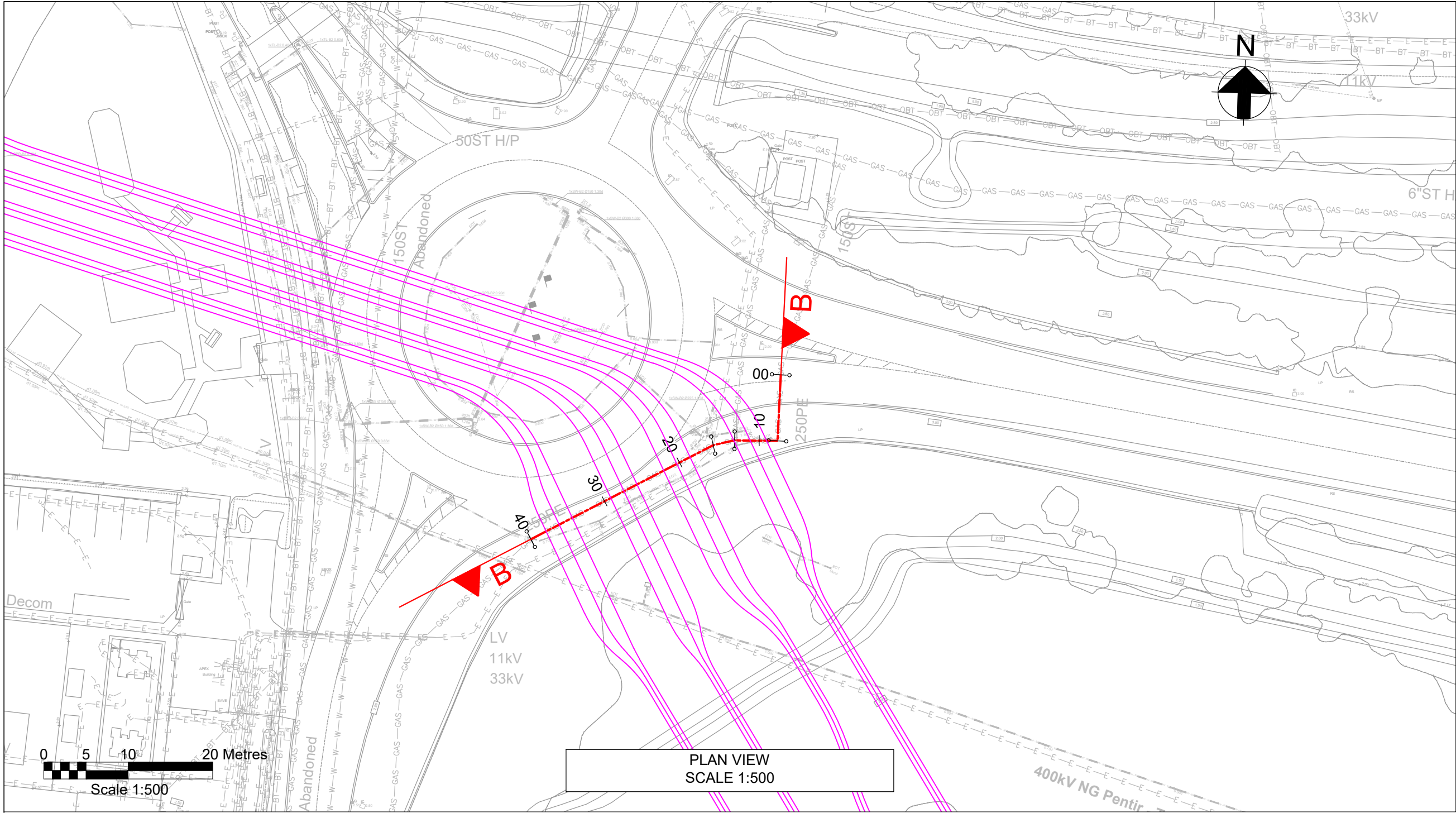
As Dug Backfill Material

Concrete Backfill

CBS Backfill







- Notes**
- Do not scale from this drawing.
  - Drawing to be printed in colour.
  - All dimensions in millimeters unless otherwise stated.
  - All levels are in meters Above Ordnance Datum (mAOD)
  - Existing ground model and utilities information based on survey MGS54157 dated 08/09/23 and undertaken by Murphy Geospatial, with additional data from subsequent GPR survey.
  - 400kV cable ducts and ancillary equipment are installed in open cut trench unless otherwise noted.
  - Profiles to be read in accordance with the specified scales.
  - Temporary dewatering is likely to be required to provide stability for all excavations. Preliminary assessment indicates that wellpoint groundwater lowering is necessary for unsupported trenches.
  - Excavation details to be confirmed at a later stage.
  - The requirements of service providers such as temporary support requirements and watching briefs will be incorporated into a method statement.
  - Chainages used are starting at Wern toward Minffordd as per the Circuit shown in the drawing.
  - 400kV circuit names are as follows: Circuit 1 is Pentir - Bryncir - Trawsfynydd, Circuit 2 is Pentir - Dinorwig - Trawsfynydd.

**Legend**

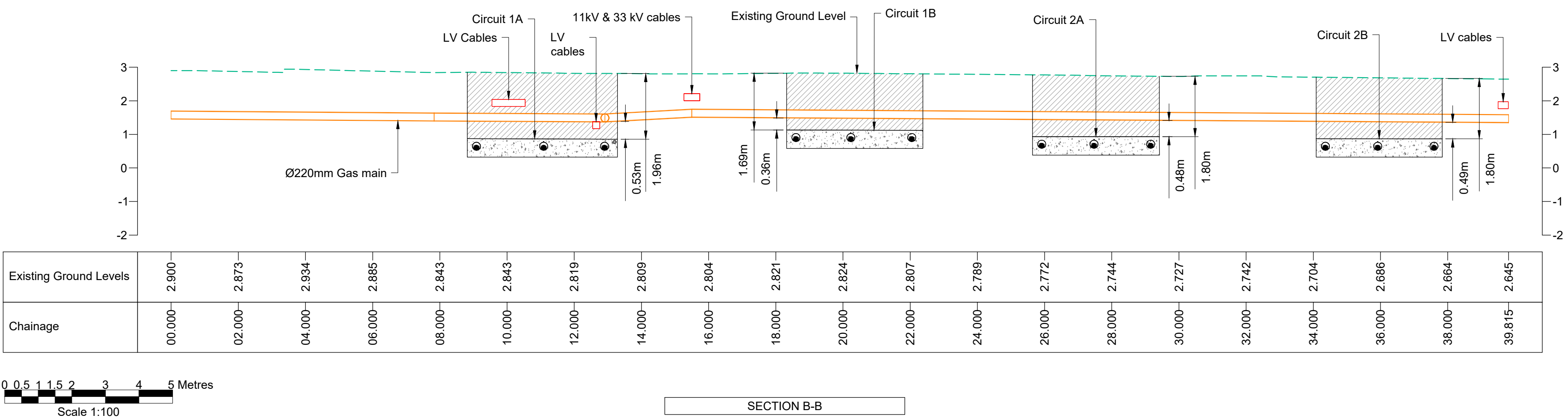
Proposed underground cable route and trenches

Existing Ground Level

As Dug Backfill Material

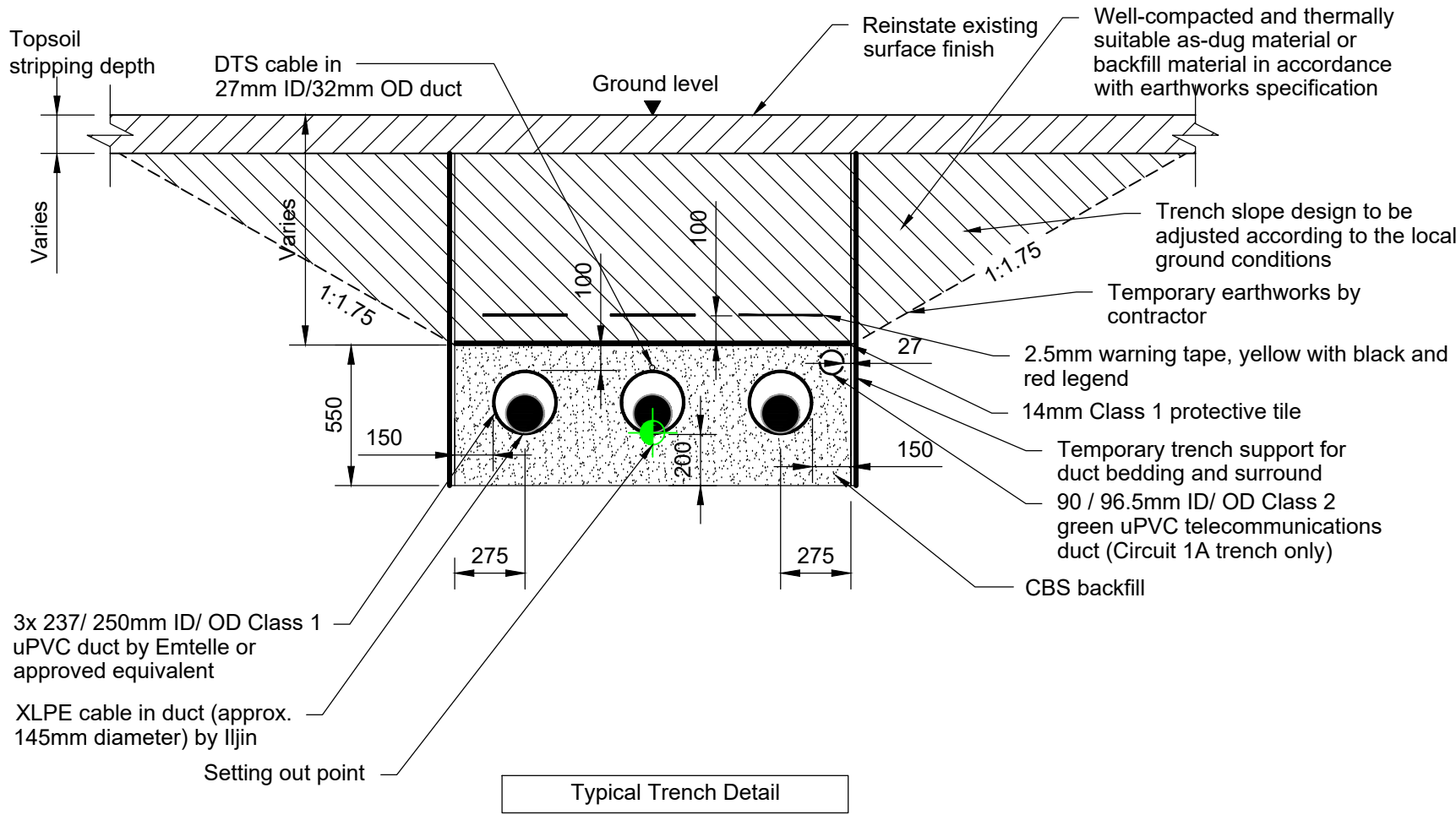
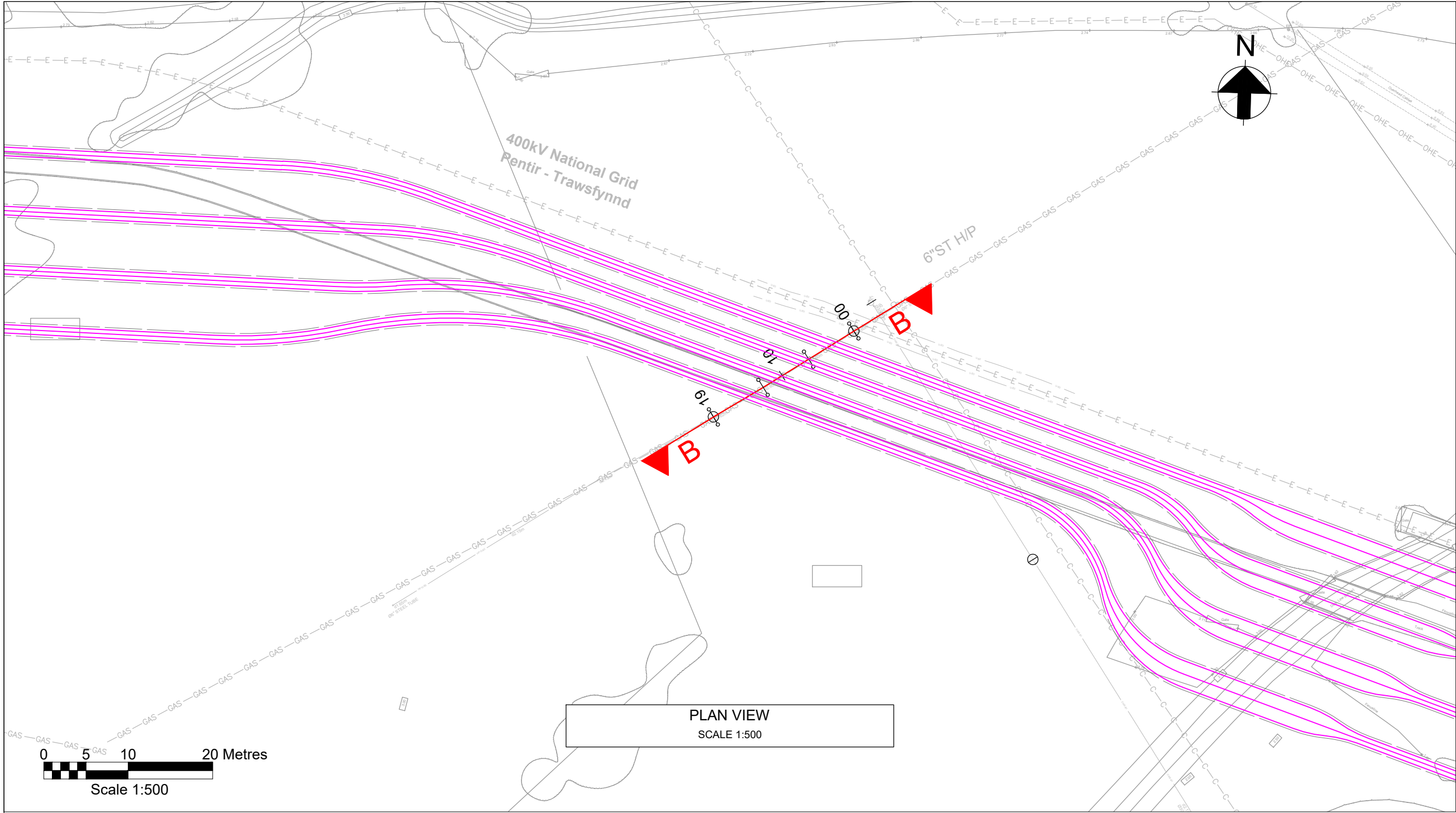
Concrete Backfill

CBS Backfill

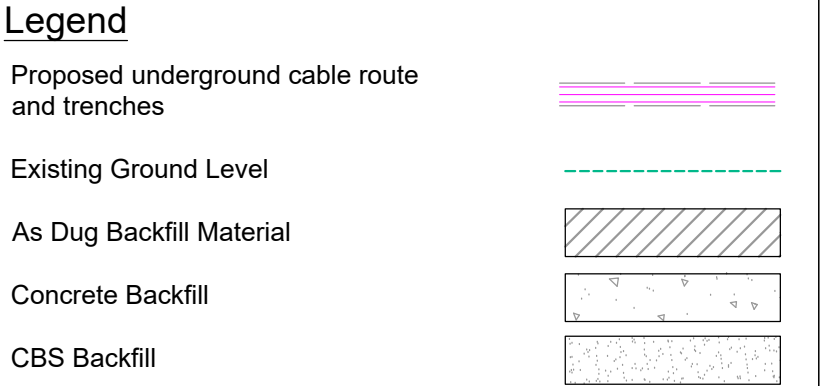


|                        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Existing Ground Levels | 2.900  | 2.873  | 2.934  | 2.885  | 2.843  | 2.843  | 2.819  | 2.809  | 2.804  | 2.821  | 2.824  | 2.807  | 2.789  | 2.772  | 2.744  | 2.727  | 2.742  | 2.704  | 2.686  | 2.664  | 2.645  |
| Chainage               | 00.000 | 02.000 | 04.000 | 06.000 | 08.000 | 10.000 | 12.000 | 14.000 | 16.000 | 18.000 | 20.000 | 22.000 | 24.000 | 26.000 | 28.000 | 30.000 | 32.000 | 34.000 | 36.000 | 38.000 | 39.815 |





- Notes**
- Do not scale from this drawing.
  - Drawing to be printed in colour.
  - All dimensions in millimeters unless otherwise stated.
  - All levels are in meters Above Ordnance Datum (mAOD)
  - Existing ground model and utilities information based on survey MGS54157 dated 08/09/23 and undertaken by Murphy Geospatial, with additional data from subsequent GPR survey.
  - 400kV cable ducts and ancillary equipment are installed in open cut trench unless otherwise noted.
  - Profiles to be read in accordance with the specified scales.
  - Temporary dewatering is likely to be required to provide stability for all excavations. Preliminary assessment indicates that wellpoint groundwater lowering is necessary for unsupported trenches.
  - Excavation details to be confirmed at a later stage.
  - The requirements of service providers such as temporary support requirements and watching briefs will be incorporated into a method statement.
  - Chainages used are starting at Wern toward Minffordd as per the Circuit shown in the drawing.
  - 400kV circuit names are as follows: Circuit 1 is Pentir - Brynair - Trawsfynydd, Circuit 2 is Pentir - Dinorwig - Trawsfynydd.



**Crossing Specific Notes**

1. Location and extent of protection sleeve provided in as-built information from VWU to be confirmed by contractor

