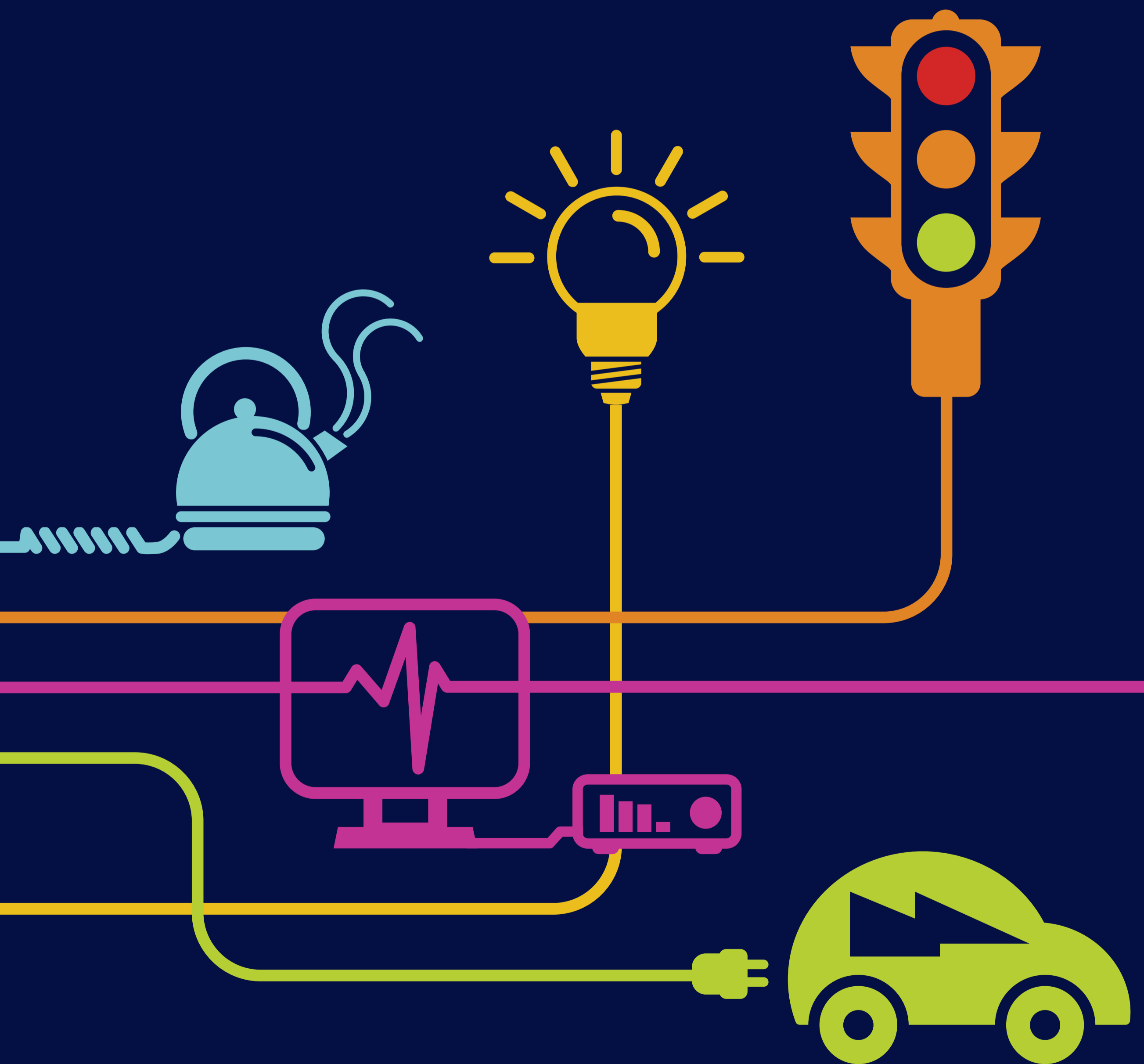


DOCUMENT 4.13

Design Drawings

National Grid (North Wales Connection Project)

*Regulation 5(2)(o) of the Infrastructure Planning
(Applications: Prescribed Forms and Procedure) Regulations 2009*



THE NATIONAL GRID (NORTH WALES CONNECTION PROJECT) ORDER
LIST OF DESIGN PLANS
REGULATION 5(2)(o)
SHEET 1 OF 1

GORCHYMYN NATIONAL GRID (PROSIECT CYSYLLTIAD GOGLEDD CYMRU)
RHESTR O GYNLLUNIAU DYLUNIO
RHEOLIAD 5(2)(o)
DALEN 1 O 1

Legend / Allwedd

| NG DOCUMENT NUMBER | PLAN TITLE | TEITL CYNLLUN | SHEET NUMBER | REVISION |
|--------------------|---|--|--------------|----------|
| DCO_DE/KP/01 | LIST OF DESIGN PLANS | RHESTR O GYNLLUNIAU DYLUNIO | 1 OF 1 | A |
| DCO_DE/PS/01_01 | DESIGN PLAN: SUBSTATION PARAMETER PLAN - WYLFA | CYNLLUN DYLUNIO: CYNLLUN PARAMEDR YR ISORSAF - WYLFA | 1 OF 10 | A |
| DCO_DE/PS/01_02 | DESIGN PLAN: INDICATIVE SUBSTATION LAYOUT - WYLFA | CYNLLUN DYLUNIO: DARLUN DANGOSOL O GYNLLUN YR ISORSAF - WYLFA | 2 OF 10 | A |
| DCO_DE/PS/01_03 | DESIGN PLAN: INDICATIVE SUBSTATION ELEVATION - WYLFA | CYNLLUN DYLUNIO: DARLUN DANGOSOL O DDRYCHIAD YR ISORSAF - WYLFA | 3 OF 10 | A |
| DCO_DE/PS/01_04 | DESIGN PLAN: SUBSTATION PARAMETER PLAN - PENTIR | CYNLLUN DYLUNIO: CYNLLUN PARAMEDR YR ISORSAF - PENTIR | 4 OF 10 | A |
| DCO_DE/PS/01_05 | DESIGN PLAN: INDICATIVE SUBSTATION LAYOUT - PENTIR | CYNLLUN DYLUNIO: DARLUN DANGOSOL O GYNLLUN YR ISORSAF - PENTIR | 5 OF 10 | A |
| DCO_DE/PS/01_06 | DESIGN PLAN: INDICATIVE SUBSTATION ELEVATION - PENTIR | CYNLLUN DYLUNIO: DARLUN DANGOSOL O DRYCHIAD YR ISORSAF - PENTIR | 6 OF 10 | A |
| DCO_DE/PS/01_07 | DESIGN PLAN: ILLUSTRATIVE SUBSTATION EQUIPMENT | CYNLLUN DYLUNIO: DARLUN O OFFER YR ISORSAF | 7 OF 10 | A |
| DCO_DE/PS/01_08 | DESIGN PLAN: ILLUSTRATIVE SUBSTATION EQUIPMENT | CYNLLUN DYLUNIO: DARLUN O OFFER YR ISORSAF | 8 OF 10 | A |
| DCO_DE/PS/01_09 | DESIGN PLAN: ILLUSTRATIVE SUBSTATION EQUIPMENT | CYNLLUN DYLUNIO: DARLUN O OFFER YR ISORSAF | 9 OF 10 | A |
| DCO_DE/PS/01_10 | DESIGN PLAN: ILLUSTRATIVE SUBSTATION EQUIPMENT | CYNLLUN DYLUNIO: DARLUN O OFFER YR ISORSAF | 10 OF 10 | A |
| DCO_DE/PS/02_01 | DESIGN PLAN: EXPLANATORY OVERHEAD LINE PROFILE | CYNLLUN DYLUNIO: DARLUN ESBONIADOL O BROFFIL Y LLINELLAU UWCHBEN | 1 OF 1 | A |
| DCO_DE/PS/03_01 | DESIGN PLAN: INDICATIVE OVERHEAD LINE PROFILES 4AP OPTION A | CYNLLUN DYLUNIO: DARLUN DANGOSOL O BROFFIL Y LLINELLAU UWCHBEN 4AP OPSIWN A | 1 OF 12 | A |
| DCO_DE/PS/03_02 | DESIGN PLAN: INDICATIVE OVERHEAD LINE PROFILES 4AP OPTION A | CYNLLUN DYLUNIO: DARLUN DANGOSOL O BROFFIL Y LLINELLAU UWCHBEN 4AP OPSIWN A | 2 OF 12 | A |
| DCO_DE/PS/03_03 | DESIGN PLAN: INDICATIVE OVERHEAD LINE PROFILES 4AP OPTION A | CYNLLUN DYLUNIO: DARLUN DANGOSOL O BROFFIL Y LLINELLAU UWCHBEN 4AP OPSIWN A | 3 OF 12 | A |
| DCO_DE/PS/03_04 | DESIGN PLAN: INDICATIVE OVERHEAD LINE PROFILES 4AP OPTION A | CYNLLUN DYLUNIO: DARLUN DANGOSOL O BROFFIL Y LLINELLAU UWCHBEN 4AP OPSIWN A | 4 OF 12 | A |
| DCO_DE/PS/03_05 | DESIGN PLAN: INDICATIVE OVERHEAD LINE PROFILES 4AP OPTION A | CYNLLUN DYLUNIO: DARLUN DANGOSOL O BROFFIL Y LLINELLAU UWCHBEN 4AP OPSIWN A | 5 OF 12 | A |
| DCO_DE/PS/03_06 | DESIGN PLAN: INDICATIVE OVERHEAD LINE PROFILES 4AP OPTION A | CYNLLUN DYLUNIO: DARLUN DANGOSOL O BROFFIL Y LLINELLAU UWCHBEN 4AP OPSIWN A | 6 OF 12 | A |
| DCO_DE/PS/03_07 | DESIGN PLAN: INDICATIVE OVERHEAD LINE PROFILES 4AP OPTION A | CYNLLUN DYLUNIO: DARLUN DANGOSOL O BROFFIL Y LLINELLAU UWCHBEN 4AP OPSIWN A | 7 OF 12 | A |
| DCO_DE/PS/03_08 | DESIGN PLAN: INDICATIVE OVERHEAD LINE PROFILES 4AP OPTION A | CYNLLUN DYLUNIO: DARLUN DANGOSOL O BROFFIL Y LLINELLAU UWCHBEN 4AP OPSIWN A | 8 OF 12 | A |
| DCO_DE/PS/03_09 | DESIGN PLAN: INDICATIVE OVERHEAD LINE PROFILES 4AP OPTION A | CYNLLUN DYLUNIO: DARLUN DANGOSOL O BROFFIL Y LLINELLAU UWCHBEN 4AP OPSIWN A | 9 OF 12 | A |
| DCO_DE/PS/03_10 | DESIGN PLAN: INDICATIVE OVERHEAD LINE PROFILES 4AP OPTION A | CYNLLUN DYLUNIO: DARLUN DANGOSOL O BROFFIL Y LLINELLAU UWCHBEN 4AP OPSIWN A | 10 OF 12 | A |
| DCO_DE/PS/03_11 | DESIGN PLAN: INDICATIVE OVERHEAD LINE PROFILES 4AP OPTION A | CYNLLUN DYLUNIO: DARLUN DANGOSOL O BROFFIL Y LLINELLAU UWCHBEN 4AP OPSIWN A | 11 OF 12 | A |
| DCO_DE/PS/03_12 | DESIGN PLAN: INDICATIVE OVERHEAD LINE PROFILES 4AP OPTION A | CYNLLUN DYLUNIO: DARLUN DANGOSOL O BROFFIL Y LLINELLAU UWCHBEN 4AP OPSIWN A | 12 OF 12 | A |
| DCO_DE/PS/04_01 | DESIGN PLAN: INDICATIVE OVERHEAD LINE PROFILES 4AP OPTION B | CYNLLUN DYLUNIO: DARLUN DANGOSOL O BROFFIL Y LLINELLAU UWCHBEN 4AP OPSIWN B | 1 OF 12 | A |
| DCO_DE/PS/04_02 | DESIGN PLAN: INDICATIVE OVERHEAD LINE PROFILES 4AP OPTION B | CYNLLUN DYLUNIO: DARLUN DANGOSOL O BROFFIL Y LLINELLAU UWCHBEN 4AP OPSIWN B | 2 OF 12 | A |
| DCO_DE/PS/04_03 | DESIGN PLAN: INDICATIVE OVERHEAD LINE PROFILES 4AP OPTION B | CYNLLUN DYLUNIO: DARLUN DANGOSOL O BROFFIL Y LLINELLAU UWCHBEN 4AP OPSIWN B | 3 OF 12 | A |
| DCO_DE/PS/04_04 | DESIGN PLAN: INDICATIVE OVERHEAD LINE PROFILES 4AP OPTION B | CYNLLUN DYLUNIO: DARLUN DANGOSOL O BROFFIL Y LLINELLAU UWCHBEN 4AP OPSIWN B | 4 OF 12 | A |
| DCO_DE/PS/04_05 | DESIGN PLAN: INDICATIVE OVERHEAD LINE PROFILES 4AP OPTION B | CYNLLUN DYLUNIO: DARLUN DANGOSOL O BROFFIL Y LLINELLAU UWCHBEN 4AP OPSIWN B | 5 OF 12 | A |
| DCO_DE/PS/04_06 | DESIGN PLAN: INDICATIVE OVERHEAD LINE PROFILES 4AP OPTION B | CYNLLUN DYLUNIO: DARLUN DANGOSOL O BROFFIL Y LLINELLAU UWCHBEN 4AP OPSIWN B | 6 OF 12 | A |
| DCO_DE/PS/04_07 | DESIGN PLAN: INDICATIVE OVERHEAD LINE PROFILES 4AP OPTION B | CYNLLUN DYLUNIO: DARLUN DANGOSOL O BROFFIL Y LLINELLAU UWCHBEN 4AP OPSIWN B | 7 OF 12 | A |
| DCO_DE/PS/04_08 | DESIGN PLAN: INDICATIVE OVERHEAD LINE PROFILES 4AP OPTION B | CYNLLUN DYLUNIO: DARLUN DANGOSOL O BROFFIL Y LLINELLAU UWCHBEN 4AP OPSIWN B | 8 OF 12 | A |
| DCO_DE/PS/04_09 | DESIGN PLAN: INDICATIVE OVERHEAD LINE PROFILES 4AP OPTION B | CYNLLUN DYLUNIO: DARLUN DANGOSOL O BROFFIL Y LLINELLAU UWCHBEN 4AP OPSIWN B | 9 OF 12 | A |
| DCO_DE/PS/04_10 | DESIGN PLAN: INDICATIVE OVERHEAD LINE PROFILES 4AP OPTION B | CYNLLUN DYLUNIO: DARLUN DANGOSOL O BROFFIL Y LLINELLAU UWCHBEN 4AP OPSIWN B | 10 OF 12 | A |
| DCO_DE/PS/04_11 | DESIGN PLAN: INDICATIVE OVERHEAD LINE PROFILES 4AP OPTION B | CYNLLUN DYLUNIO: DARLUN DANGOSOL O BROFFIL Y LLINELLAU UWCHBEN 4AP OPSIWN B | 11 OF 12 | A |
| DCO_DE/PS/04_12 | DESIGN PLAN: INDICATIVE OVERHEAD LINE PROFILES 4AP OPTION B | CYNLLUN DYLUNIO: DARLUN DANGOSOL O BROFFIL Y LLINELLAU UWCHBEN 4AP OPSIWN B | 12 OF 12 | A |
| DCO_DE/PS/05_01 | DESIGN PLAN: INDICATIVE OVERHEAD LINE PROFILES 4ZA | CYNLLUN DYLUNIO: DARLUN DANGOSOL O BROFFIL Y LLINELLAU UWCHBEN 4ZA | 1 OF 6 | A |
| DCO_DE/PS/05_02 | DESIGN PLAN: INDICATIVE OVERHEAD LINE PROFILES 4ZA | CYNLLUN DYLUNIO: DARLUN DANGOSOL O BROFFIL Y LLINELLAU UWCHBEN 4ZA | 2 OF 6 | A |
| DCO_DE/PS/05_03 | DESIGN PLAN: INDICATIVE OVERHEAD LINE PROFILES 4ZA | CYNLLUN DYLUNIO: DARLUN DANGOSOL O BROFFIL Y LLINELLAU UWCHBEN 4ZA | 3 OF 6 | A |
| DCO_DE/PS/05_04 | DESIGN PLAN: INDICATIVE OVERHEAD LINE PROFILES 4ZA | CYNLLUN DYLUNIO: DARLUN DANGOSOL O BROFFIL Y LLINELLAU UWCHBEN 4ZA | 4 OF 6 | A |
| DCO_DE/PS/05_05 | DESIGN PLAN: INDICATIVE OVERHEAD LINE PROFILES 4ZA | CYNLLUN DYLUNIO: DARLUN DANGOSOL O BROFFIL Y LLINELLAU UWCHBEN 4ZA | 5 OF 6 | A |
| DCO_DE/PS/05_06 | DESIGN PLAN: INDICATIVE OVERHEAD LINE PROFILES 4ZA | CYNLLUN DYLUNIO: DARLUN DANGOSOL O BROFFIL Y LLINELLAU UWCHBEN 4ZA | 6 OF 6 | A |
| DCO_DE/PS/06_01 | DESIGN PLAN: INDICATIVE OVERHEAD LINE PROFILES TEMPORARY ALIGNMENT | CYNLLUN DYLUNIO: DARLUN DANGOSOL O BROFFIL Y LLINELLAU UWCHBEN ALINIAD DROS DRŌ | 1 OF 1 | A |
| DCO_DE/PS/07_01 | DESIGN PLAN: ILLUSTRATIVE TUNNEL LONGITUDINAL SECTION | CYNLLUN DYLUNIO: DARLUN O ADLAN HYDREDOL Y TWNNEL | 1 OF 3 | A |
| DCO_DE/PS/07_02 | DESIGN PLAN: ILLUSTRATIVE TUNNEL CROSS SECTION | CYNLLUN DYLUNIO: DARLUN O GROESTORIAD Y TWNNEL | 2 OF 3 | A |
| DCO_DE/PS/07_03 | DESIGN PLAN: ILLUSTRATIVE TUNNEL CROSS SECTION | CYNLLUN DYLUNIO: DARLUN O GROESTORIAD Y TWNNEL | 3 OF 3 | A |
| DCO_DE/PS/08_01 | DESIGN PLAN: ILLUSTRATIVE LATTICE PYLONS | CYNLLUN DYLUNIO: DARLUN O'R PEILONAU DELLT | 1 OF 4 | A |
| DCO_DE/PS/08_02 | DESIGN PLAN: ILLUSTRATIVE LATTICE Pylon FOOTPRINTS | CYNLLUN DYLUNIO: DARLUN O ŌL-TROED Y PEILONAU DELLT | 2 OF 4 | A |
| DCO_DE/PS/08_03 | DESIGN PLAN: ILLUSTRATIVE LATTICE Pylon FOUNDATIONS | CYNLLUN DYLUNIO: DARLUN O SYLFEINI Y PEILONAU DELLT | 3 OF 4 | A |
| DCO_DE/PS/08_04 | DESIGN PLAN: INDICATIVE MAXIMUM AND MINIMUM LATTICE Pylon HEIGHTS | CYNLLUN Y DYLUNIAD: UCHDER DANGOSOL MMYAF A LLEAF Y PEILONAU DELLT | 4 OF 4 | A |
| DCO_DE/PS/09_01 | DESIGN PLAN: PARAMETER PLAN FOR BRAINT TUNNEL HEAD HOUSE AND CABLE SEALING END COMPOUND | CYNLLUN DYLUNIO: CYNLLUN O'R PARAMEDR AR GYFER PRIF DŶ TWNNEL AFON BRAINT A'R COMPOWND SY'N SELIO PENNAU CEBLAU | 1 OF 8 | A |
| DCO_DE/PS/09_02 | DESIGN PLAN: INDICATIVE FINAL ARRANGEMENT FOR BRAINT TUNNEL HEAD HOUSE AND CABLE SEALING END LOCATION | CYNLLUN DYLUNIO: TREFNIANT DANGOSOL TERFYNNOL O'R PARAMEDR AR GYFER PRIF DŶ TWNNEL AFON BRAINT A'R LLEOLIAD LLE CAIFF PENNAU CEBLAU EU SELIO | 2 OF 8 | A |
| DCO_DE/PS/09_03 | DESIGN PLAN: INDICATIVE FINISHED SURFACE LEVELS FOR BRAINT TUNNEL HEAD HOUSE AND CABLE SEALING END LOCATION | CYNLLUN DYLUNIO: LEFELAU ARWYNEB DANGOSOL TERFYNNOL AR GYFER PRIF DŶ TWNNEL AFON BRAINT A'R LLEOLIAD LLE CAIFF PENNAU CEBLAU EU SELIO | 3 OF 8 | A |
| DCO_DE/PS/09_04 | DESIGN PLAN: INDICATIVE FINAL ARRANGEMENT FOR BRAINT TUNNEL HEAD HOUSE AND CABLE SEALING END COMPOUND | CYNLLUN DYLUNIO: TREFNIANT DANGOSOL TERFYNNOL AR GYFER PRIF DŶ TWNNEL AFON BRAINT A'R COMPOWND LLE CAIFF PENNAU CEBLAU EU SELIO | 4 OF 8 | A |
| DCO_DE/PS/09_05 | DESIGN PLAN: PARAMETER PLAN FOR TŶ FODOL TUNNEL HEAD HOUSE AND CABLE SEALING END COMPOUND | CYNLLUN DYLUNIO: CYNLLUN O'R PARAMEDR AR GYFER PRIF DŶ TWNNEL TŶ FODOL A'R COMPOWND SY'N SELIO PENNAU CEBLAU | 5 OF 8 | A |
| DCO_DE/PS/09_06 | DESIGN PLAN: INDICATIVE FINAL ARRANGEMENT FOR TŶ FODOL TUNNEL HEAD HOUSE AND CABLE SEALING END LOCATION | CYNLLUN DYLUNIO: TREFNIANT DANGOSOL TERFYNNOL O'R PARAMEDR AR GYFER PRIF DŶ TWNNEL TŶ FODOL A'R LLEOLIAD LLE CAIFF PENNAU CEBLAU EU SELIO | 6 OF 8 | A |
| DCO_DE/PS/09_07 | DESIGN PLAN: INDICATIVE FINISHED SURFACE LEVELS FOR TŶ FODOL TUNNEL HEAD HOUSE AND CABLE SEALING END LOCATION | CYNLLUN DYLUNIO: LEFELAU ARWYNEB DANGOSOL TERFYNNOL AR GYFER PRIF DŶ TWNNEL TŶ FODOL A'R LLEOLIAD LLE CAIFF PENNAU CEBLAU EU SELIO | 7 OF 8 | A |
| DCO_DE/PS/09_08 | DESIGN PLAN: INDICATIVE FINAL ARRANGEMENT FOR TŶ FODOL TUNNEL HEAD HOUSE AND CABLE SEALING END COMPOUND | CYNLLUN DYLUNIO: TREFNIANT DANGOSOL TERFYNNOL AR GYFER PRIF DŶ TWNNEL TŶ FODOL A'R COMPOWND LLE CAIFF PENNAU CEBLAU EU SELIO | 8 OF 8 | A |
| DCO_DE/PS/10_01 | DESIGN PLAN: ILLUSTRATIVE LATTICE Pylon WORKING AREAS | CYNLLUN DYLUNIO: DARLUN O ARDALOEDD GWAITH Y PEILONAU DELLT | 1 OF 3 | A |
| DCO_DE/PS/10_02 | DESIGN PLAN: ILLUSTRATIVE LATTICE Pylon CONDUCTOR PULLING POSITIONS | CYNLLUN DYLUNIO: LLEOLIADAU TYNNU DARGLUDYDDION Y PEILONAU DELLT | 2 OF 3 | A |
| DCO_DE/PS/10_03 | DESIGN PLAN: INDICATIVE OVERHEAD LINE LIMITS OF DEVIATION | CYNLLUN DYLUNIO: TERFYNAU GWYRO DANGOSOL AR GYFER LLINELLAU UWCHBEN | 3 OF 3 | A |
| DCO_DE/PS/11_01 | DESIGN PLAN: ILLUSTRATIVE BELLMOUTH LAYOUT | CYNLLUN DYLUNIO: DARLUN O GYNLLUN BELLMOUTH | 1 OF 6 | A |
| DCO_DE/PS/11_02 | DESIGN PLAN: ILLUSTRATIVE STONE ACCESS ROAD | CYNLLUN DYLUNIO: DARLUN O'R FFORDD FYNEDIAD GARREG | 2 OF 6 | A |
| DCO_DE/PS/11_03 | DESIGN PLAN: ILLUSTRATIVE INTERLOCKING PANEL ACCESS FOR OVERHEAD LINE CONSTRUCTION | CYNLLUN DYLUNIO: DARLUN O'R PANEL MYNEDIAD SY'N CYD-GLOI AR GYFER ADEILADU'R LLINELLAU UWCHBEN | 3 OF 6 | A |
| DCO_DE/PS/11_04 | DESIGN PLAN: ILLUSTRATIVE CULVERT CONSTRUCTION DETAILS | CYNLLUN DYLUNIO: DARLUN O'R MANYLION AR GYFER ADEILADU'R GEUFFOS | 4 OF 6 | A |
| DCO_DE/PS/11_05 | DESIGN PLAN: ILLUSTRATIVE BRIDGE DETAILS FOR OVERHEAD LINE CONSTRUCTION | CYNLLUN DYLUNIO: DARLUN O FANYLION Y BONT AR GYFER ADEILADU'R LLINELLAU UWCHBEN | 5 OF 6 | A |
| DCO_DE/PS/11_06 | DESIGN PLAN: ILLUSTRATIVE BRIDGE DETAILS FOR TUNNEL CONSTRUCTION | CYNLLUN DYLUNIO: DARLUN O FANYLION Y BONT AR GYFER ADEILADU'R TWNNEL | 6 OF 6 | A |
| DCO_DE/PS/12_01 | DESIGN PLAN: ILLUSTRATIVE OVERHEAD LINE CONSTRUCTION COMPOUND | CYNLLUN DYLUNIO: DARLUN O'R COMPOWND ADEILADU LLINELLAU UWCHBEN | 1 OF 5 | A |
| DCO_DE/PS/12_02 | DESIGN PLAN: ILLUSTRATIVE TUNNEL AND CABLE SEALING END CONSTRUCTION COMPOUND - BRAINT | CYNLLUN DYLUNIO: DARLUN O'R COMPOWND ADEILADU SY'N SELIO PENNAU CEBLAU A THWNNELI BRAINT | 2 OF 5 | A |
| DCO_DE/PS/12_03 | DESIGN PLAN: ILLUSTRATIVE TUNNEL AND CABLE SEALING END CONSTRUCTION COMPOUND - TŶ FODOL | CYNLLUN DYLUNIO: DARLUN O'R COMPOWND ADEILADU SY'N SELIO PENNAU CEBLAU A THWNNELI TŶ FODOL | 3 OF 5 | A |
| DCO_DE/PS/12_04 | DESIGN PLAN: ILLUSTRATIVE CONSTRUCTION COMPOUND - WYLFA | CYNLLUN DYLUNIO: DARLUN O'R COMPOWND ADEILADU IS-ORSAF - WYLFA | 4 OF 5 | A |
| DCO_DE/PS/12_05 | DESIGN PLAN: ILLUSTRATIVE CONSTRUCTION COMPOUND - PENTIR | CYNLLUN DYLUNIO: DARLUN O'R COMPOWND ADEILADU IS-ORSAF - PENTIR | 5 OF 5 | A |

Notes / Nodiadau

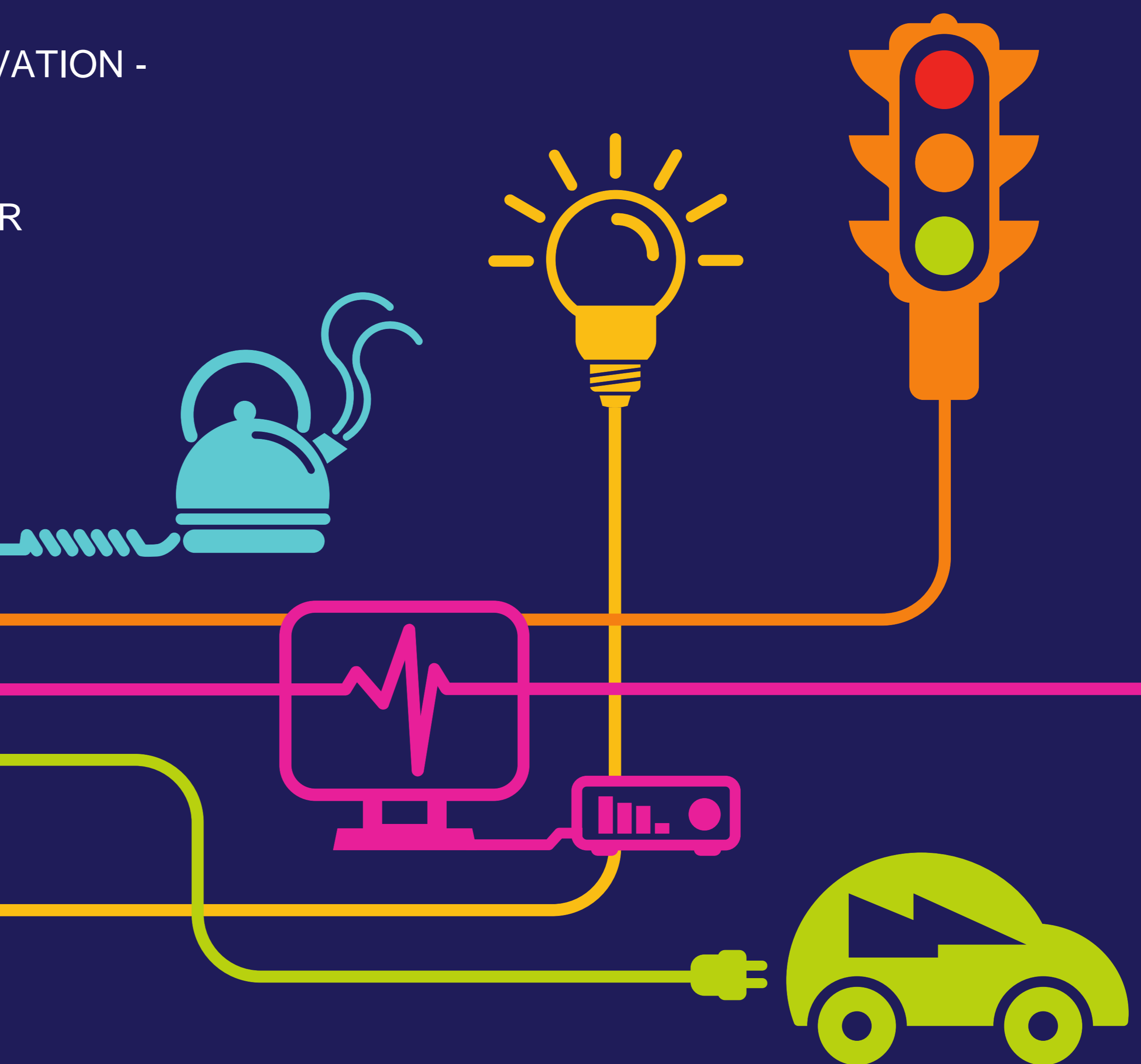
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| A | FOR DCO SUBMISSION | SF | MF | RP | |
| Issue / Cyhoeddiad | Date / Dyddiad | Remarks / Sylweddau | Drawn / Tymrod | Checked / Gwirioed | Approved / Cymeroddiad |
| Title / Teitl | | | | | |
| <p>THE NATIONAL GRID (NORTH WALES CONNECTION PROJECT) ORDER LIST OF DESIGN PLANS REGULATION 5(2)(o) SHEET 1 OF 1</p> <p>GORCHYMYN NATIONAL GRID (PROSIECT CYSYLLTIAD GOGLEDD CYMRU) RHESTR O GYNLLUNIAU DYLUNIO RHEOLIAD 5(2)(o) DALEN 1 O 1</p> | | | | | |
| <p>nationalgrid</p> | | | | | |
| Application Number / Rhif y Cals | | | | | |
| EN020015 | | | | | |
| National Grid Drawing Reference / Cyfeirnod Luniad National Grid | | | | | |
| DCO_DE/KP/01 | | | | | |
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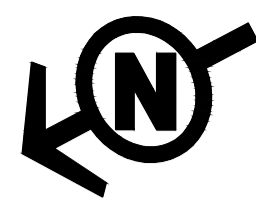
Design Drawings – Indicative, Parameter & Illustrative Substation Drawings

National Grid (North Wales Connection Project)

Drawing References DCO_DE/PS/01_01 to DCO_DE/PS/01_10

| Sheet | Plan Title |
|----------|---|
| 1 of 10 | DESIGN PLAN: SUBSTATION PARAMETER PLAN - WYLFA |
| 2 of 10 | DESIGN PLAN: INDICATIVE SUBSTATION LAYOUT - WYLFA |
| 3 of 10 | DESIGN PLAN: DESIGN PLAN: INDICATIVE SUBSTATION ELEVATION - WYLFA |
| 4 of 10 | DESIGN PLAN: SUBSTATION PARAMETER PLAN - PENTIR |
| 5 of 10 | DESIGN PLAN: INDICATIVE SUBSTATION LAYOUT - PENTIR |
| 6 of 10 | DESIGN PLAN: INDICATIVE SUBSTATION ELEVATION - PENTIR |
| 7 of 10 | DESIGN PLAN: ILLUSTRATIVE SUBSTATION EQUIPMENT |
| 8 of 10 | DESIGN PLAN: ILLUSTRATIVE SUBSTATION EQUIPMENT |
| 9 of 10 | DESIGN PLAN: ILLUSTRATIVE SUBSTATION EQUIPMENT |
| 10 of 10 | DESIGN PLAN: ILLUSTRATIVE SUBSTATION EQUIPMENT |

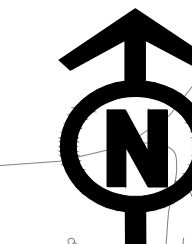
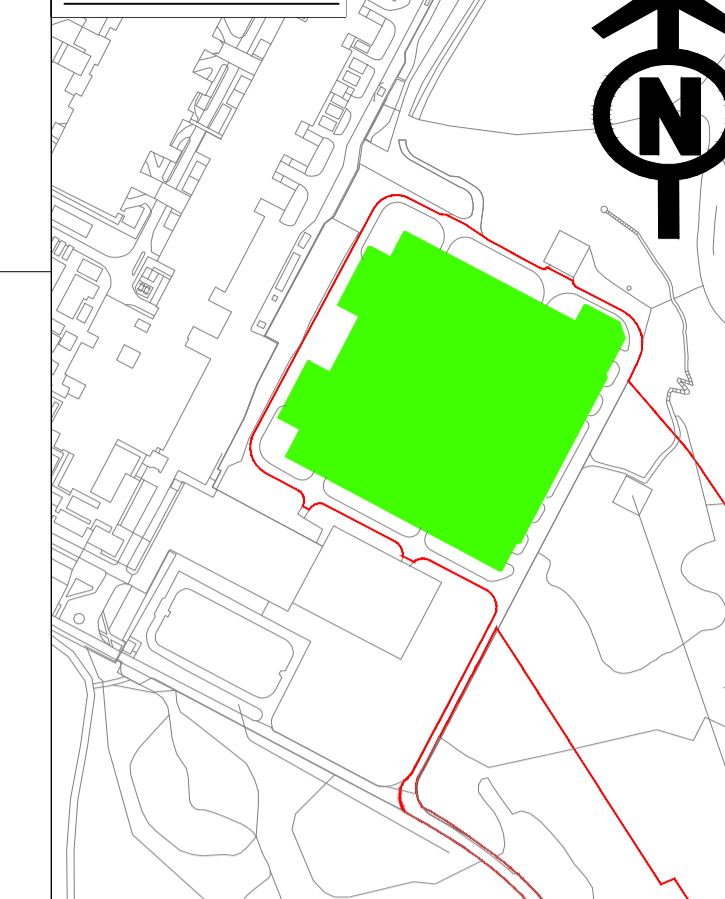








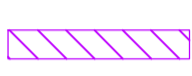
THE NATIONAL GRID (NORTH WALES CONNECTION PROJECT) ORDER
 DESIGN PLAN: SUBSTATION PARAMETER PLAN - WYLFA
 REGULATION 5(2)(o)
 SHEET 1 OF 10
 ISLE OF ANGLESEY COUNTY COUNCIL

GORCHYMYN NATIONAL GRID (PROSIECT CYSYLLTIAD GOGLEDD CYMRU)
 CYNLLUN DYLUNIO: CYNLLUN PARAMEDR YR ISORSAF - WYLFA
 RHEOLIAD 5(2)(o)
 DALEN 1 O 10
 CYNGOR SIR YNYS MÔN

SITE MAP / MAP O'R SAFLE



Legend / Allwedd

-  ORDER LIMITS
-  EXISTING EQUIPMENT
-  NEW EQUIPMENT
-  EXISTING NATIONAL GRID 400KV SUBSTATION FOOTPRINT
-  ZONE WITHIN WHICH NEW EQUIPMENT COULD BE LOCATED - [MAXIMUM HEIGHT - 15m]

Notes / Nodiadau

1. THIS DRAWING IS SCALED AT PAPER SIZE A1, THEREFORE ANY PRINTS TAKEN AT SMALLER SIZES WILL AFFECT ACCURACY OF THE MEASUREMENT UNITS AND SHOULD NOT BE SCALED AGAINST.

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|---|--------------------|----|----|----|
| A | FOR DCO SUBMISSION | BK | HB | RP |
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| Issue / Cyhoeddiad | Date / Dyddiad | Remarks / Sylweddau | Drawn / Tyniwyd | Checked / Gwirwyd | Approved / Cymeradwywyd |
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Title / Teitl
 THE NATIONAL GRID (NORTH WALES CONNECTION PROJECT) ORDER
 DESIGN PLAN: SUBSTATION PARAMETER PLAN - WYLFA
 REGULATION 5(2)(o)
 SHEET 1 OF 10
 ISLE OF ANGLESEY COUNTY COUNCIL
 GORCHYMYN NATIONAL GRID (PROSIECT CYSYLLTIAD GOGLEDD CYMRU)
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 DALEN 1 O 10
 CYNGOR SIR YNYS MÔN

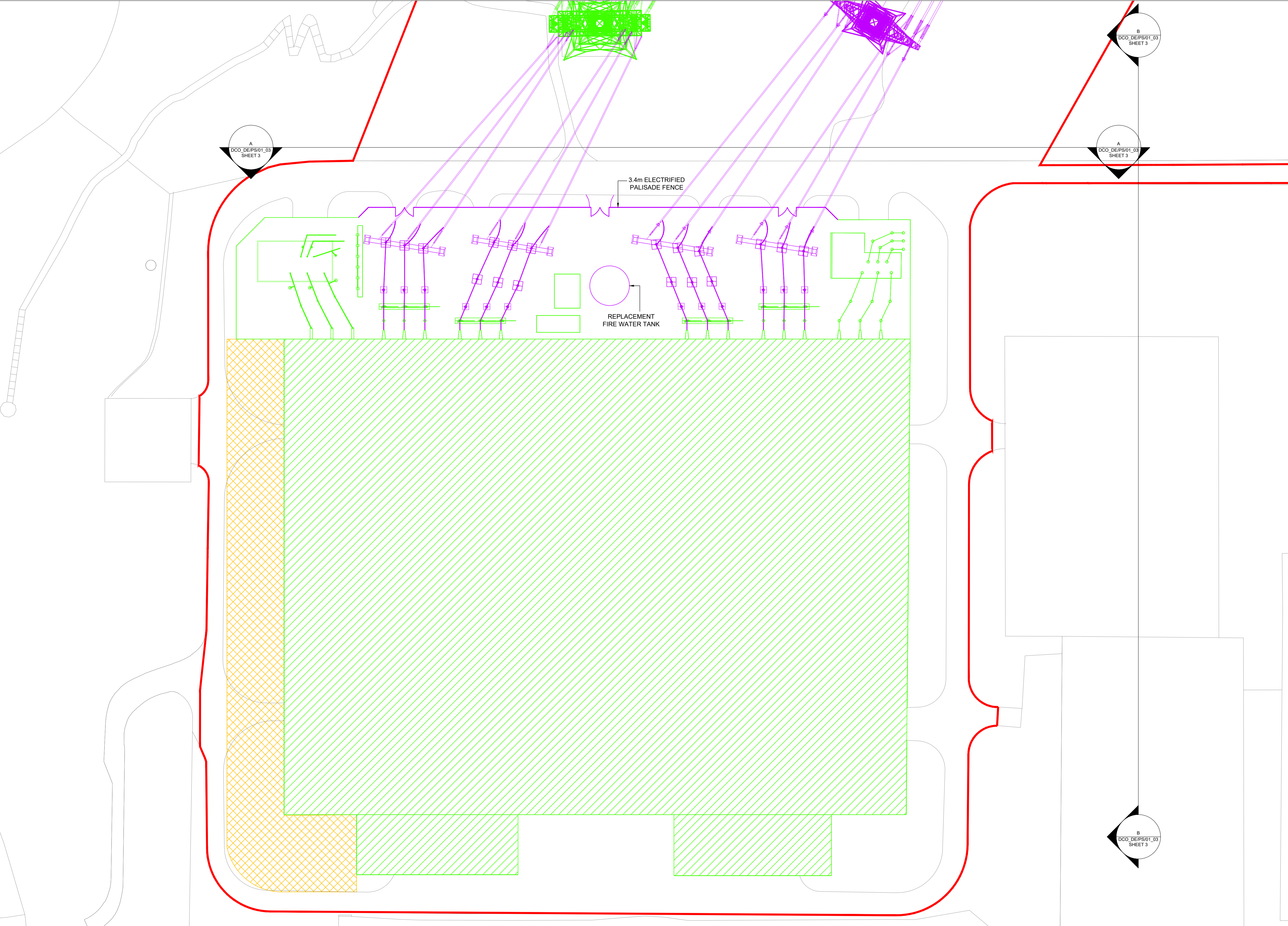
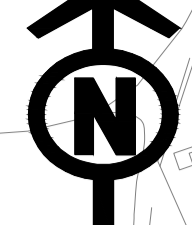
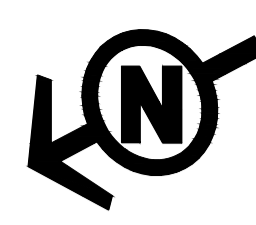
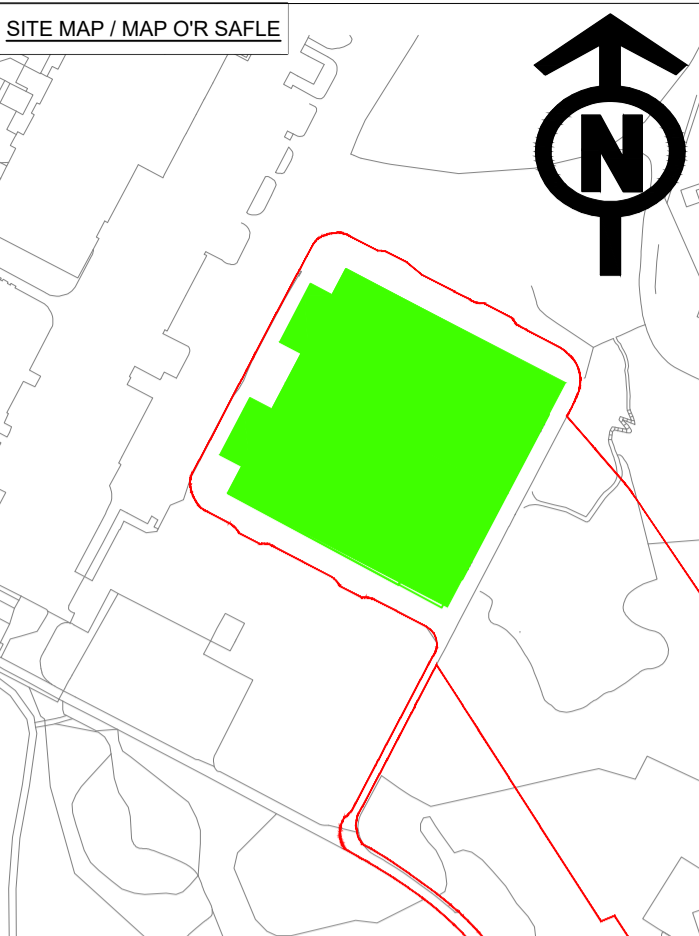


Application Number / Rhif y Cais
 EN020015

National Grid Drawing Reference / Cyfeirnod Llundain National Grid
 DCO_DE/PS/01_01

| | | | |
|-----------------|----------------------------------|------------------|--------------------|
| Scale / Graddfa | Sheet Size / Mensi y Ddiagram | Sheet / Ddiagram | Issue / Cyhoeddiad |
|-----------------|----------------------------------|------------------|--------------------|

A1 SHEET 1 OF 10 A



- Legend / Allwedd**
- ORDER LIMITS
 - EXISTING EQUIPMENT
 - NEW EQUIPMENT
 - ▨ EXISTING 400kV SUBSTATION BUILDING
 - ▨ TEMPORARY CONSTRUCTION COMPOUND
 - ⊕ SINGLE CAPACITIVE VOLTAGE TRANSFORMER
 - ⊕ THREE PHASE EARTH SWITCH
 - ⊕ SINGLE POST INSULATOR
 - ⊕ SINGLE GANTRY

Notes / Nodiadau

- THIS DRAWING IS SCALED AT PAPER SIZE A1, THEREFORE ANY PRINTS TAKEN AT SMALLER SIZES WILL AFFECT ACCURACY OF THE MEASUREMENT UNITS AND SHOULD NOT BE SCALED AGAINST.

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| Issue / Cynhoeddiad | Date / Dyddiad | Remarks / Sylweddau | Drawn / Tynnydd | Checked / Gwirneidd | Approved / Cymeradwywydd |
|---------------------|----------------|---------------------|-----------------|---------------------|--------------------------|
| A | | FOR DCO SUBMISSION | BK | HB | RP |

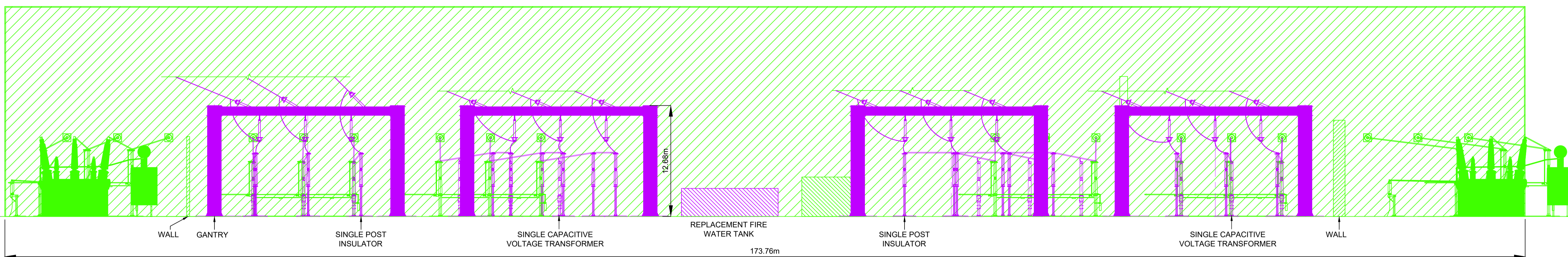
nationalgrid

Application Number / Rhif y Cais: EN020015
 National Grid Drawing Reference / Cylfeirnod Lliniad National Grid: DCO_DE/PS/01_02

| Scale / Graddfa | Sheet Size / Mân y Ddiagram | Sheet / Dalen | Issue / Cynhoeddiad |
|-----------------|-----------------------------|---------------|---------------------|
| | A1 | SHEET 2 OF 10 | A |

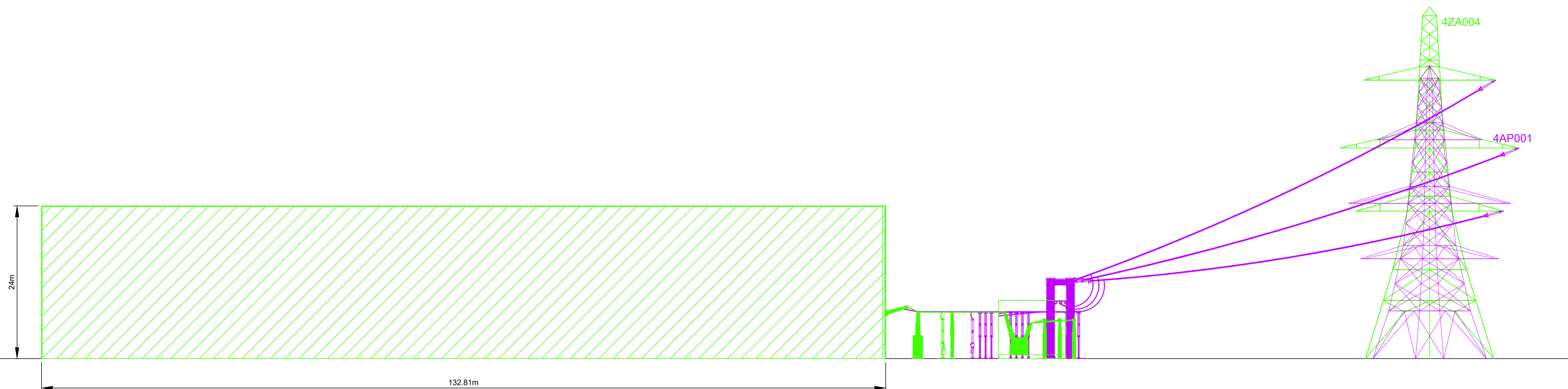
Legend / Allwedd

- EXISTING EQUIPMENT
- NEW EQUIPMENT
- EXISTING 400kV SUBSTATION BUILDING
- | SINGLE CAPACITIVE VOLTAGE TRANSFORMER
- | THREE PHASE EARTH SWITCH
- | SINGLE POST INSULATOR



ELEVATION A-A (DCO_DE/PS/01_02) - WYLFA SUBSTATION

SCALE 1:250



ELEVATION B-B (DCO_DE/PS/01_02) - WYLFA SUBSTATION

SCALE 1:350

Notes / Nodiadau

1. THIS DRAWING IS SCALED AT PAPER SIZE A1. THEREFORE ANY PRINTS TAKEN AT SMALLER SIZES WILL AFFECT ACCURACY OF THE MEASUREMENT UNITS AND SHOULD NOT BE SCALED AGAINST.
2. ALL DIMENSIONS ARE IN METRES.
3. 3.4m HIGH PALISADE FENCE SURROUNDING EQUIPMENT OMITTED FOR CLARITY.

| Issue / Cyhoeddiad | Date / Dyddiad | Remarks / Sylwadau | Drawn / Tynwyd | Checked / Gwirtyd | Approved / Cytmerodwyd |
|--------------------|----------------|--------------------|----------------|-------------------|------------------------|
| A | | FOR DCO SUBMISSION | BK | HB | RP |

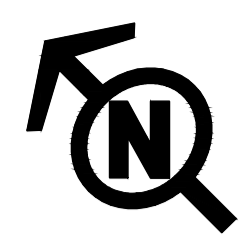
Title / Teitl
 THE NATIONAL GRID (NORTH WALES CONNECTION PROJECT) ORDER
 DESIGN PLAN: INDICATIVE SUBSTATION ELEVATION - WYLFA
 REGULATION 5(2)(o)
 SHEET 3 OF 10
 ISLE OF ANGLESEY COUNTY COUNCIL
 GORCHYMYN NATIONAL GRID (PROSIECT CYSYLLTIAD GOGLEDD CYMRU)
 CYNLLUN DYLLUNIO: DARLUN DANGOSOL O DDRYCHIAD YR ISORSAF - WYLFA
 RHEOLIAD 5(2)(o)
 DALEN 3 O 10
 CYNGOR SIR YNYS MÔN

nationalgrid

Application Number / Rhif y Cais: EN020015

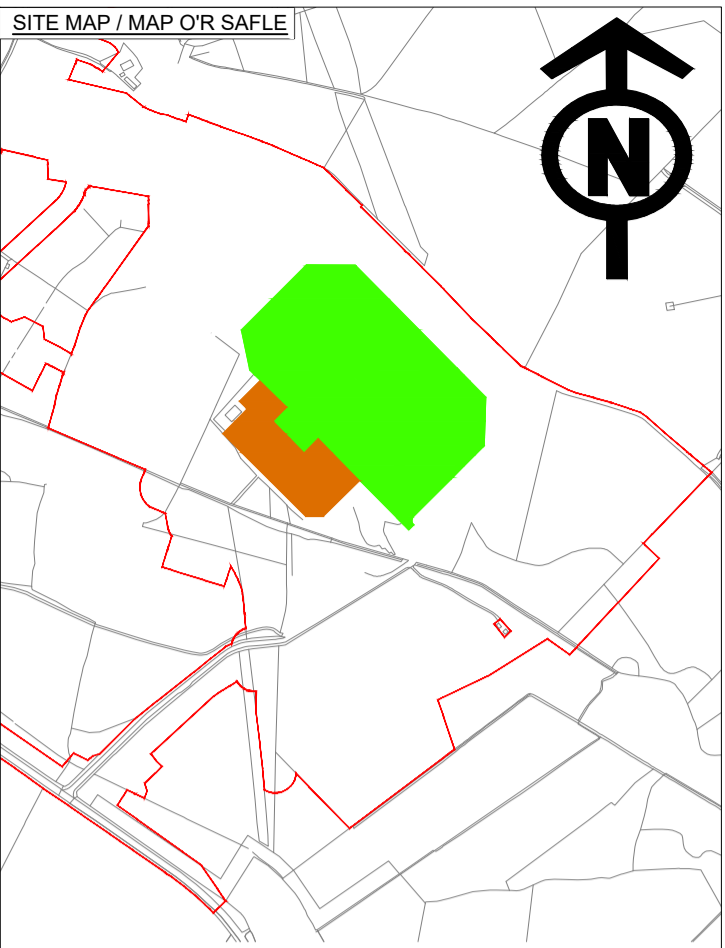
National Grid Drawing Reference / Cyfeirnod Lluniau National Grid: DCO_DE/PS/01_03

| Scale / Graddfa | Sheet Size / Manylfa / Dimensiwn | Sheet / Dalen | Issue / Cyhoeddiad |
|-----------------|----------------------------------|---------------|--------------------|
| AS SHOWN | A1 | SHEET 3 OF 10 | A |



THE NATIONAL GRID (NORTH WALES CONNECTION PROJECT) ORDER
 DESIGN PLAN: SUBSTATION PARAMETER PLAN - PENTIR
 REGULATION 5(2)(o)
 SHEET 4 OF 10
 GWYNEDD COUNCIL

GORCHYMYN NATIONAL GRID (PROSIECT CYSYLLTIAD GOGLEDD CYMRU)
 CYNLLUN DYLUNIO: CYNLLUN PARAMEDR YR ISORSAF - PENTIR
 RHEOLIAD 5(2)(o)
 DALEN 4 O 9
 CYNGOR GWYNEDD



Legend / Allwedd

- ORDER LIMITS
- EXISTING EQUIPMENT
- NEW EQUIPMENT
- EXISTING NATIONAL GRID 400KV OUTDOOR SUBSTATION FOOTPRINT
- ZONE WITHIN WHICH FULL LINE TENSION GANTRIES AND NEW EQUIPMENT COULD BE LOCATED [MAXIMUM HEIGHT - 18m]
- ZONE WITHIN WHICH NEW EQUIPMENT COULD BE LOCATED - [MAXIMUM HEIGHT - 15m]
- ZONE WITHIN WHICH SHUNT REACTOR AND NEW EQUIPMENT COULD BE LOCATED [MAXIMUM HEIGHT - 15m]
- ZONE WITHIN WHICH GANTRIES, ST PYLON AND NEW EQUIPMENT COULD BE LOCATED [MAXIMUM HEIGHT - 52m]
- EXISTING 132KV OUTDOOR SUBSTATION

Notes / Nodiadau

1. THIS DRAWING IS SCALED AT PAPER SIZE A1, THEREFORE ANY PRINTS TAKEN AT SMALLER SIZES WILL AFFECT ACCURACY OF THE MEASUREMENT UNITS AND SHOULD NOT BE SCALED AGAINST.

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| Issue / Cyhoeddiad | Date / Dyddiad | Remarks / Sylwadau | Drawn / Tynnwyd | Checked / Gwirwyd | Approved / Cymerwyd |
|--------------------|----------------|--------------------|-----------------|-------------------|---------------------|
| A | | FOR DCO SUBMISSION | BK | HB | RP |

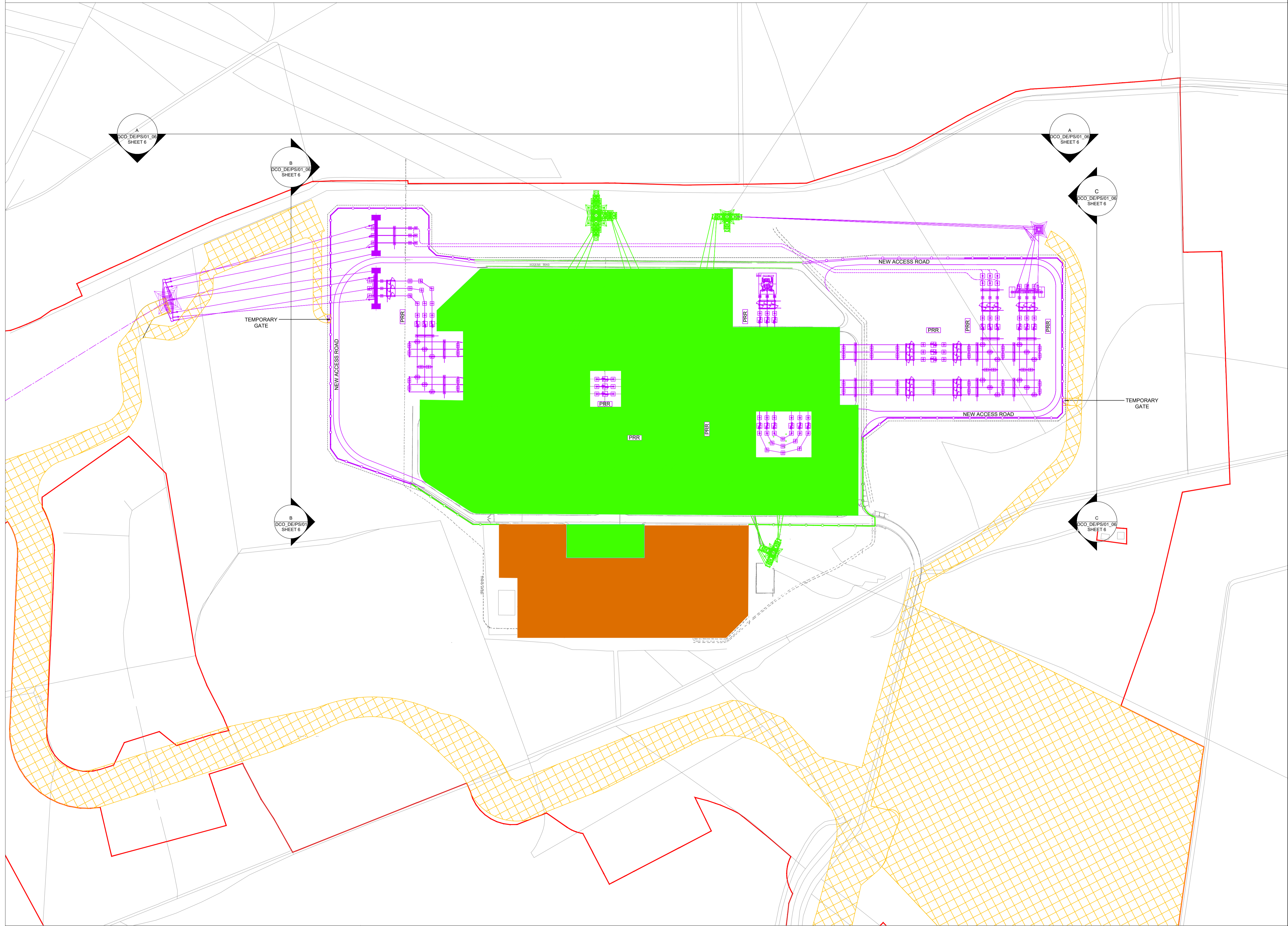
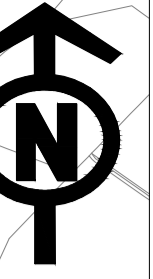
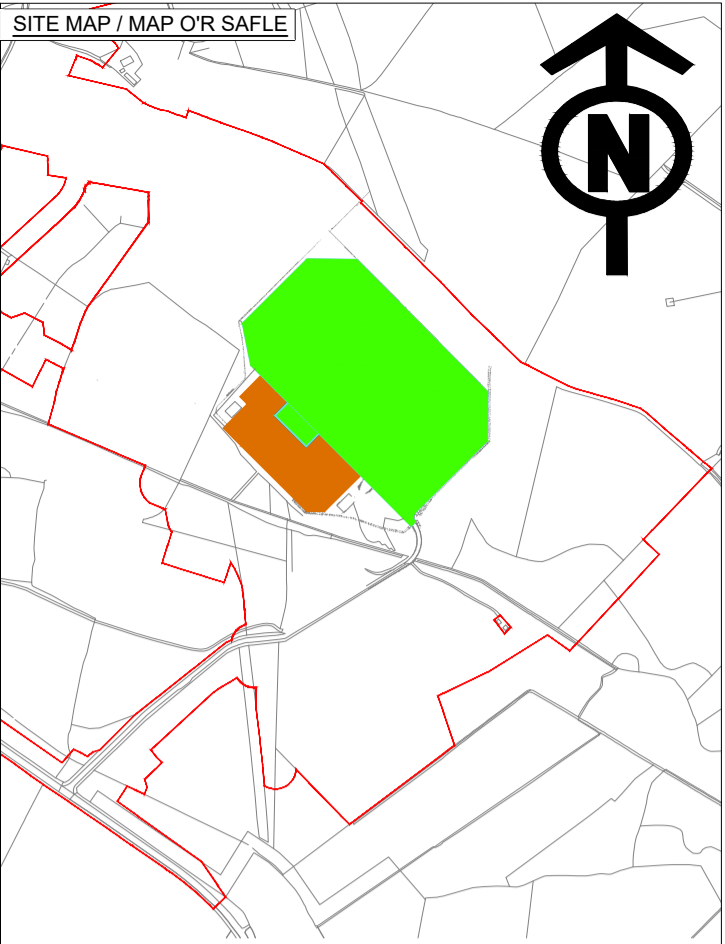
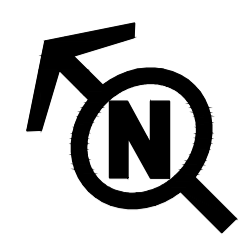
Title / Teitl: THE NATIONAL GRID (NORTH WALES CONNECTION PROJECT) ORDER
 DESIGN PLAN: SUBSTATION PARAMETER PLAN - PENTIR
 REGULATION 5(2)(o)
 SHEET 4 OF 10
 GWYNEDD COUNCIL
 GORCHYMYN NATIONAL GRID (PROSIECT CYSYLLTIAD GOGLEDD CYMRU)
 CYNLLUN DYLUNIO: CYNLLUN PARAMEDR YR ISORSAF - PENTIR
 RHEOLIAD 5(2)(o)
 DALEN 4 O 9
 CYNGOR GWYNEDD



Application Number / Rhif y Cais: EN020015

National Grid Drawing Reference / Cyfeirnod Lluniau National Grid
 DCO_DE/PS/01_04

| Scale / Graddfa | Sheet Size / Mensi y Siatel | Sheet / Ddienn | Issue / Cyhoeddiad |
|-----------------|-----------------------------|----------------|--------------------|
| | A1 | SHEET 4 OF 10 | A |



Legend / Allwedd

- ORDER LIMITS
- EXISTING EQUIPMENT
- NEW EQUIPMENT
- NEW SUBSTATION BOUNDARY
- PART OF EXISTING 400kV OUTDOOR SUBSTATION
- EXISTING 132kV OUTDOOR SUBSTATION
- TEMPORARY CONSTRUCTION COMPOUND AND ACCESS
- PRR PORTABLE RELAY ROOM
- SINGLE CABLE SEALING END
- SINGLE CIRCUIT BREAKER
- SINGLE CURRENT TRANSFORMER
- SINGLE PANTOGRAPH DISCONNECTOR
- DISCONNECTOR WITH EARTH SWITCH
- SINGLE THREE POLE POST INSULATOR
- SINGLE GANTRY
- SINGLE THREE PHASE EARTH SWITCH

Notes / Nodiadau

1. THIS DRAWING IS SCALED AT PAPER SIZE A1. THEREFORE ANY PRINTS TAKEN AT SMALLER SIZES WILL AFFECT ACCURACY OF THE MEASUREMENT UNITS AND SHOULD NOT BE SCALED AGAINST WITHIN THE AREA SHOWN AS EXISTING 400KV SUBSTATION WORKS POTENTIALLY INCLUDING CROSS SITE CABLING AND THE INSTALLATION OR MODIFICATION OF MINIMAL ABOVE GROUND EQUIPMENT MAY BE INSTALLED.

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| Issue / Cyhoeddiad | Date / Dyddiad | Remarks / Sylwadau | Drawn / Tynnydd | Checked / Gwirwydd | Approved / Cymeradwydd |
|--------------------|----------------|--------------------|-----------------|--------------------|------------------------|
| A | | FOR DCO SUBMISSION | BK | HB | RP |











Title / Teitl: THE NATIONAL GRID (NORTH WALES CONNECTION PROJECT) ORDER
 DESIGN PLAN: INDICATIVE SUBSTATION LAYOUT - PENTIR
 REGULATION 5(2)(o)
 SHEET 5 OF 10
 GWYNEDD COUNCIL
 GORCHYMYN NATIONAL GRID (PROSIECT CYSYLLTIAD GOGLEDD CYMRU)
 CYNLLUN DYLUNIO: DARLUN DANGOSOL O GYNLLUN YR ISORSAF - PENTIR
 RHEOLIAD 5(2)(o)
 DALEN 5 O 10
 CYNGOR GWYNEDD

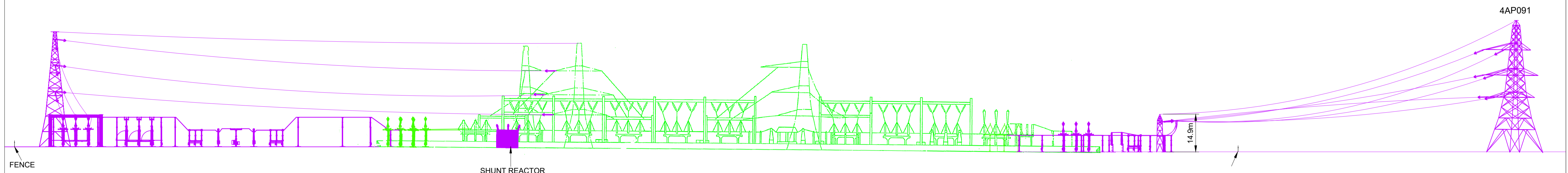


Application Number / Rhif y Cais: EN020015
 National Grid Drawing Reference / Cyfeirnod Lluniau National Grid: DCO_DE/PS/01_05

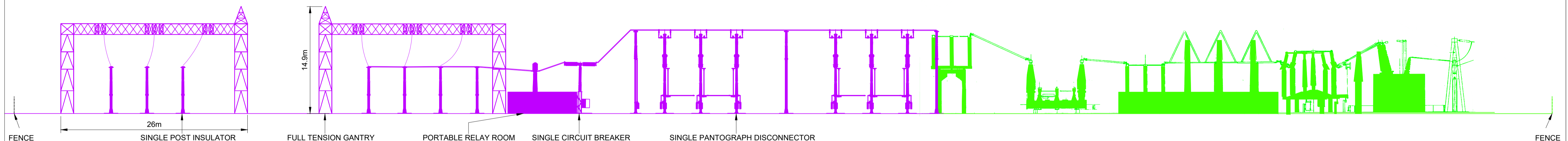
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| | A1 | SHEET 5 OF 10 | A |

Legend / Allwedd

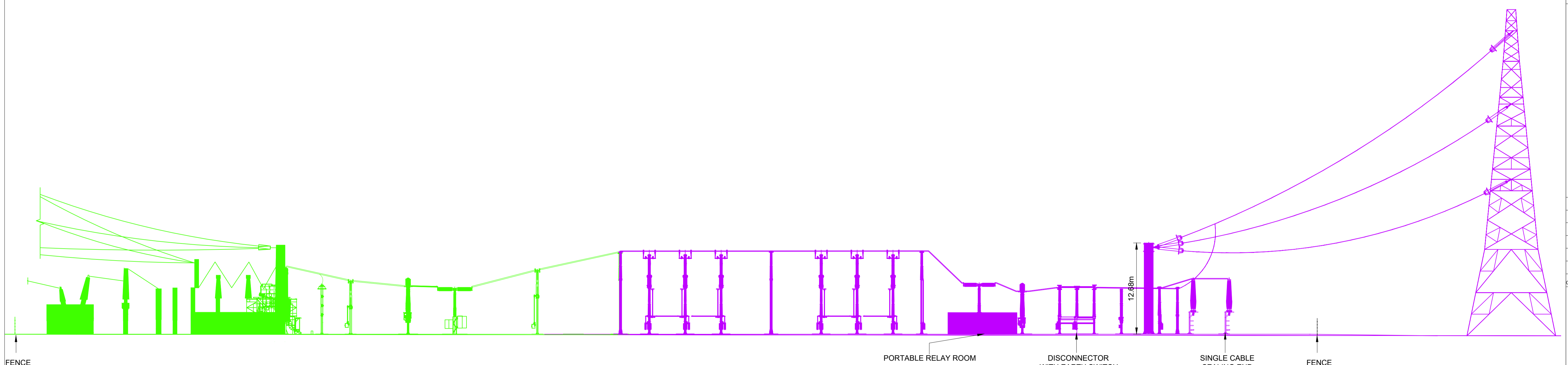
-  EXISTING EQUIPMENT
-  NEW EQUIPMENT
-  SINGLE CIRCUIT BREAKER
-  SINGLE PANTOGRAPH DISCONNECTOR
-  DISCONNECTOR WITH EARTH SWITCH
-  SINGLE CABLE SEALING END
-  FULL TENSION GANTRY
-  SINGLE CURRENT TRANSFORMER
-  SINGLE CAPACITIVE VOLTAGE TRANSFORMER
-  SINGLE POST INSULATOR



ELEVATION A-A (DCO_DE/PS/01_05)- PENTIR SUBSTATION
 SCALE - 1:850



ELEVATION B-B (DCO_DE/PS/01_05)- PENTIR SUBSTATION
 SCALE - 1:300



ELEVATION C-C (DCO_DE/PS/01_05)- PENTIR SUBSTATION
 SCALE - 1:300

Notes / Nodiadau

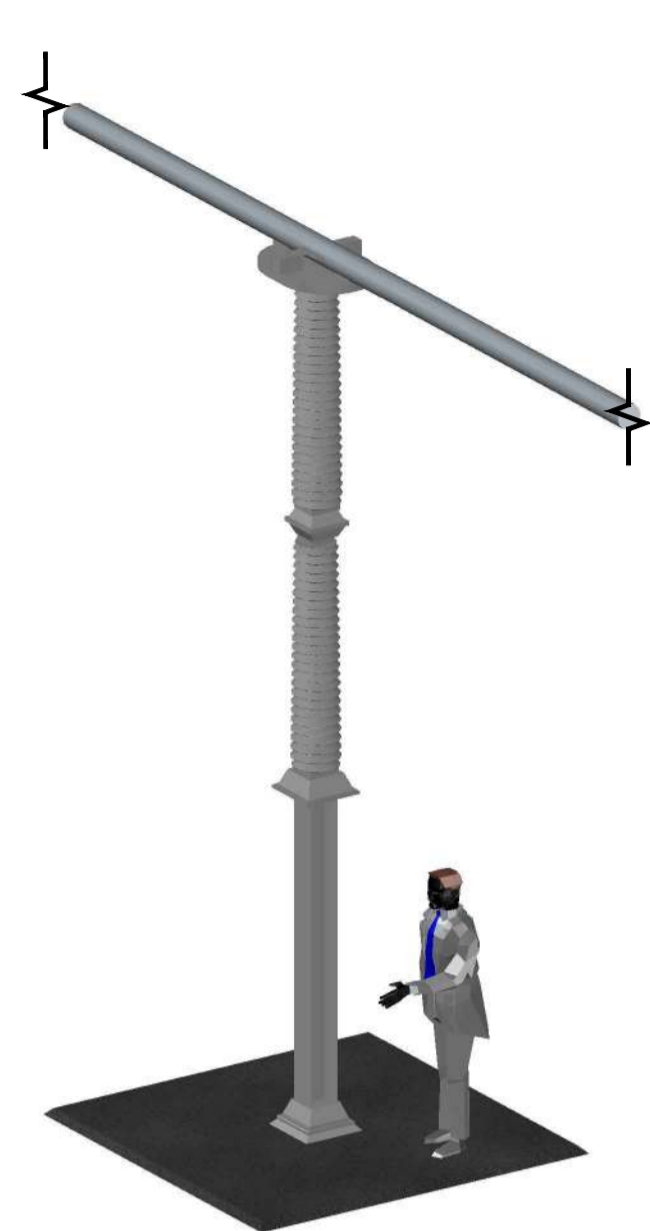
1. THIS DRAWING IS SCALED AT PAPER SIZE A1, THEREFORE ANY PRINTS TAKEN AT SMALLER SIZES WILL AFFECT ACCURACY OF THE MEASUREMENT UNITS AND SHOULD NOT BE SCALED AGAINST.
2. ALL DIMENSIONS ARE IN METRES.
3. 2.4m HIGH PALISADE ELECTRIFIED FENCE WITH TOTAL HEIGHT OF 4m SURROUNDING EQUIPMENT OMITTED FOR CLARITY.
4. THIS DRAWING IS A REPRESENTATION OF THE FOREGROUND VIEW FROM THE CUT LINES SHOWN.

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|----------------------------|--------------------|------------------------|--------------------|-----------------------|
| A | FOR DCO SUBMISSION | BK | HB | RP |
| Issue / Cyhoeddiad | Date / Dyddiad | Remarks / Sylweddau | Drawn / Tynnydd | Checked / Gwneirdd |
| Approved / Cymeradwywyd | | | | |

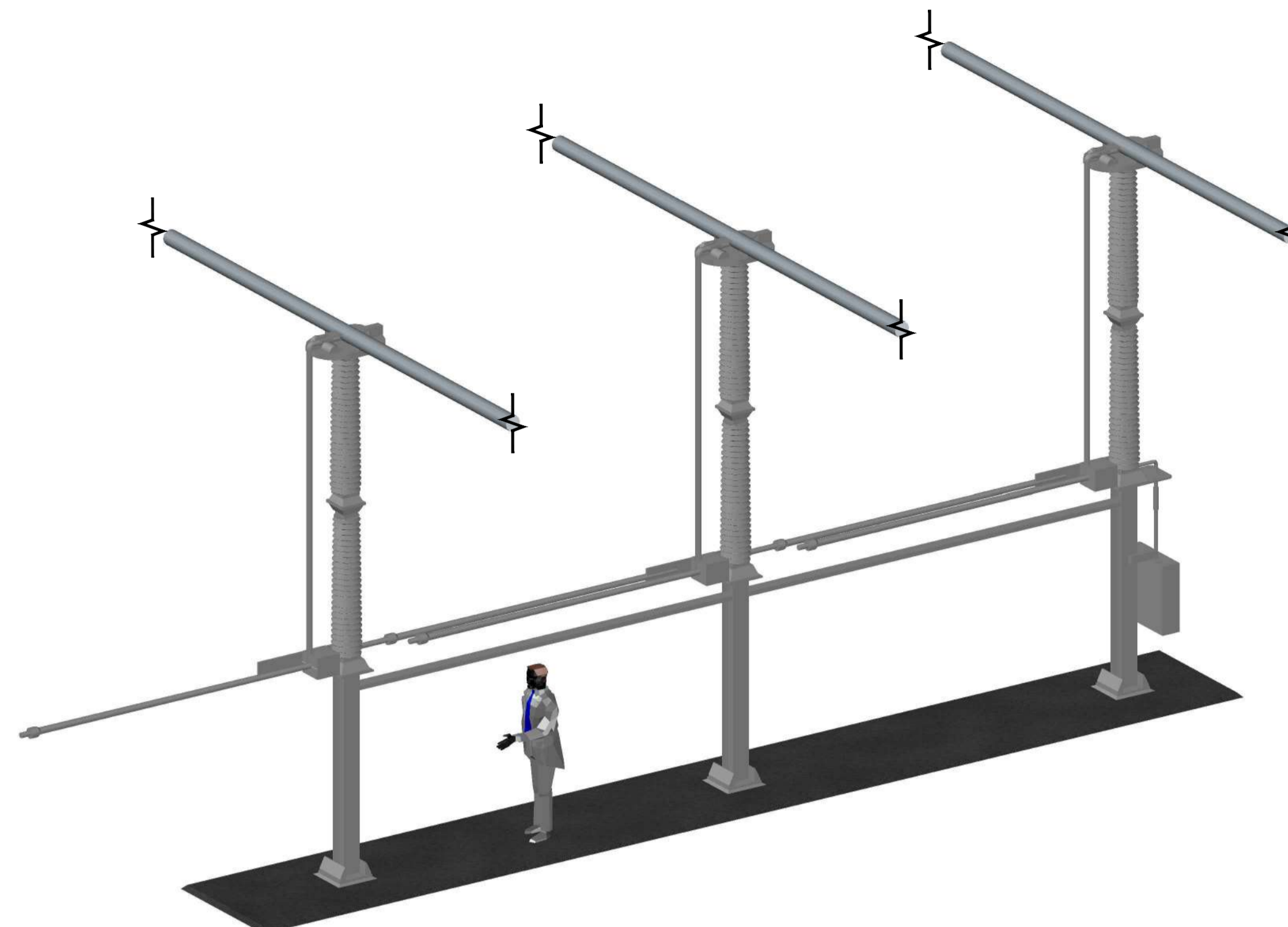
Title / Teitl
 THE NATIONAL GRID (NORTH WALES CONNECTION PROJECT) ORDER
 DESIGN PLAN: INDICATIVE SUBSTATION ELEVATION - PENTIR
 REGULATION 5(2)(o)
 SHEET 6 OF 10
 GWYNEDD COUNCIL

GORCHYMYN NATIONAL GRID (PROSIECT CYSYLLTIAD GOGLEDD CYMRU)
 CYNLLUN DYLUNIO: DARLUN DANGOSOL O DRYCHYAD YR ISORSAF - PENTIR
 RHEOLIAD 5(2)(o)
 DALEN 6 O 10
 CYNGOR GWYNEDD

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| Application Number / Rhif y Cais EN020015 | | | |
| National Grid Drawing Reference / Cyfeirnod Lluniad National Grid DCO_DE/PS/01_06 | | | |
| Scale / Graddfa AS SHOWN | Sheet Size / Mensi y Ddiagram A1 | Sheet / Dalen SHEET 6 OF 10 | Issue / Cyhoeddiad A |



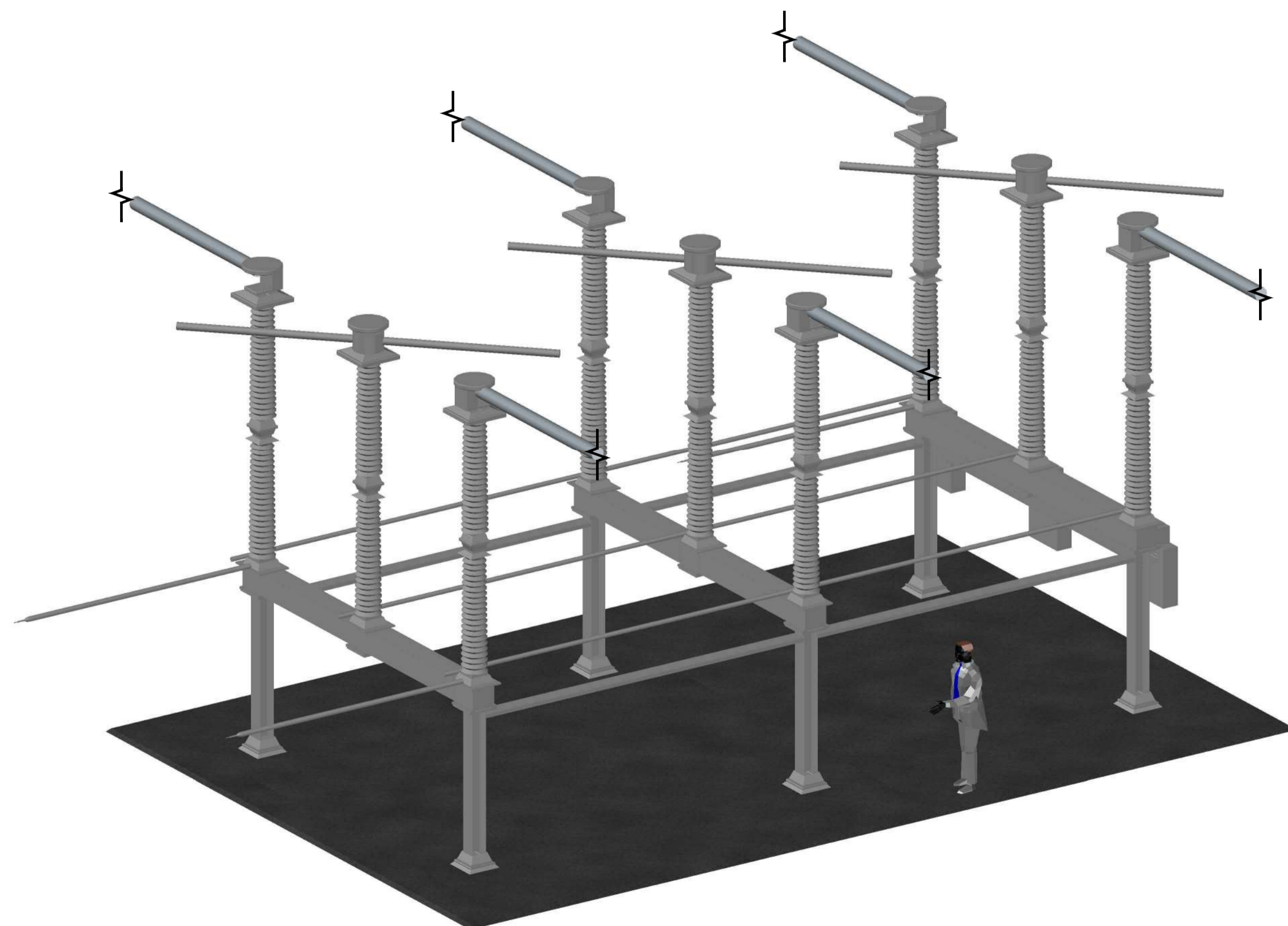
SINGLE POLE POST INSULATOR



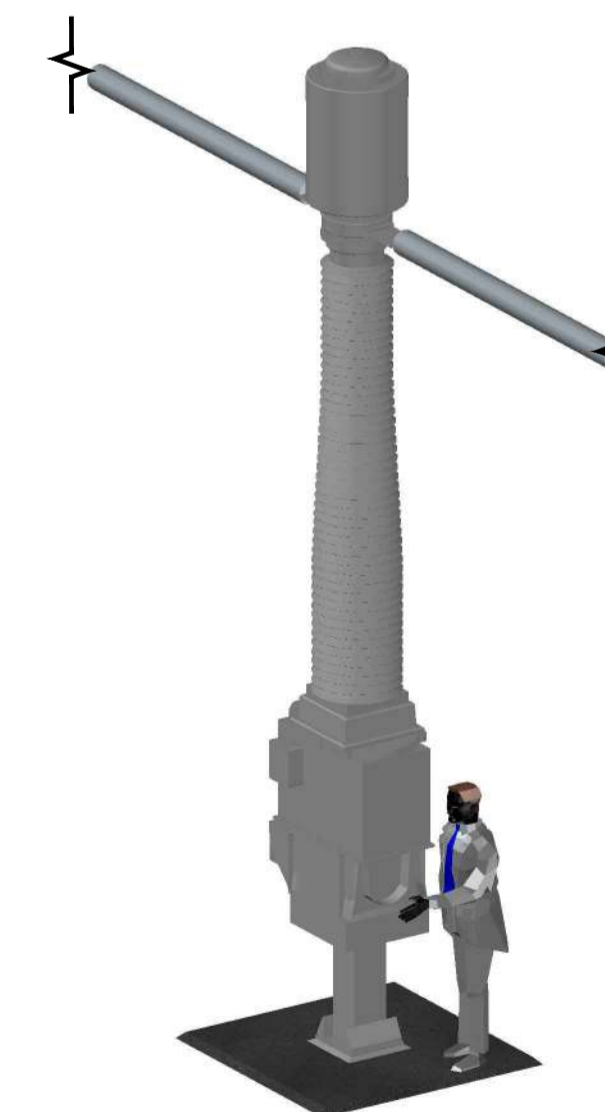
THREE PHASE EARTH SWITCH



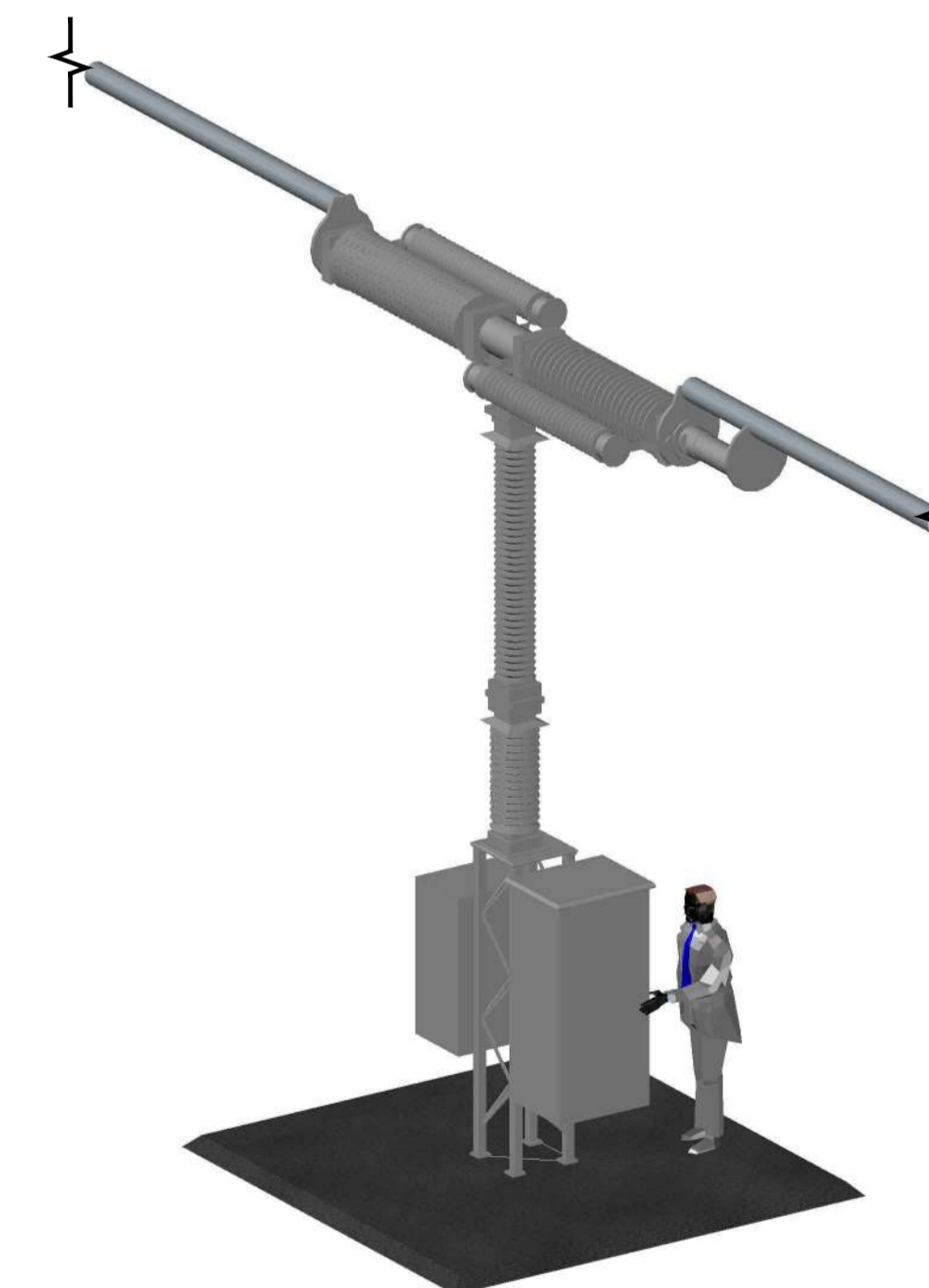
SINGLE VOLTAGE TRANSFORMER



THREE PHASE DISCONNECTER WITH EARTH SWITCH



SINGLE CURRENT TRANSFORMER



SINGLE CIRCUIT BREAKER

Notes / Nodiadau
 1. THIS DRAWING IS SCALED AT PAPER SIZE A1. THEREFORE ANY PRINTS TAKEN AT SMALLER SIZES WILL AFFECT ACCURACY OF THE MEASUREMENT UNITS AND SHOULD NOT BE SCALED AGAINST.
 2. WHERE A SINGLE ITEM OF EQUIPMENT IS SHOWN, THIS WOULD NORMALLY BE INSTALLED IN A GROUP OF THREE.

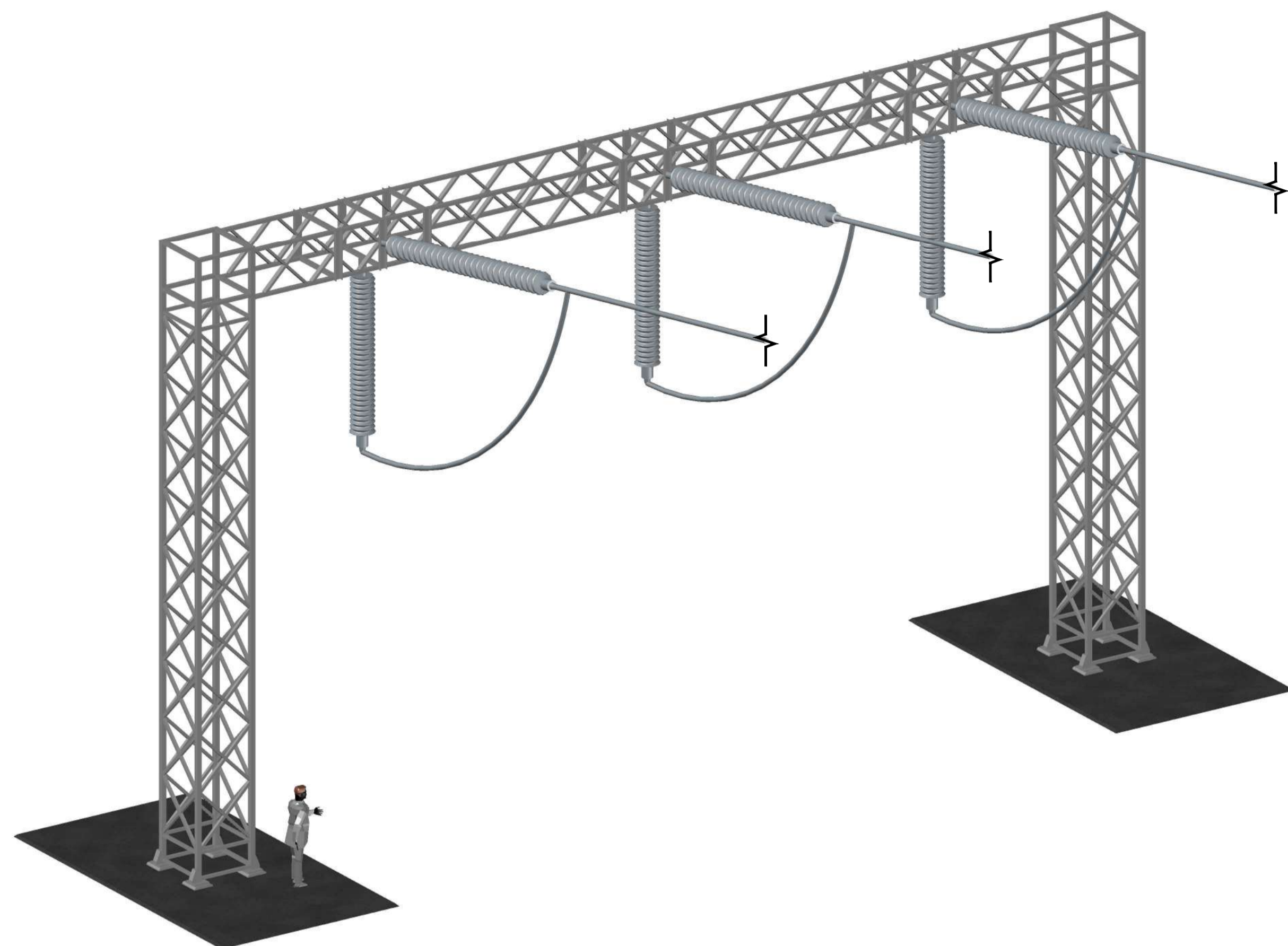
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Title / Teitl
 THE NATIONAL GRID (NORTH WALES CONNECTION PROJECT) ORDER
 DESIGN PLAN: ILLUSTRATIVE SUBSTATION EQUIPMENT
 REGULATION 5(2)(o)
 SHEET 7 OF 10
 GORCHYMYN NATIONAL GRID (PROSIECT CYSYLLTIAD GOGLEDD CYMRU)
 CYNLLUN DYLLUNIO: DARLUN O OFFER YR ISORSAF
 RHEOLIAD 5(2)(o)
 DALEN 7 O 10

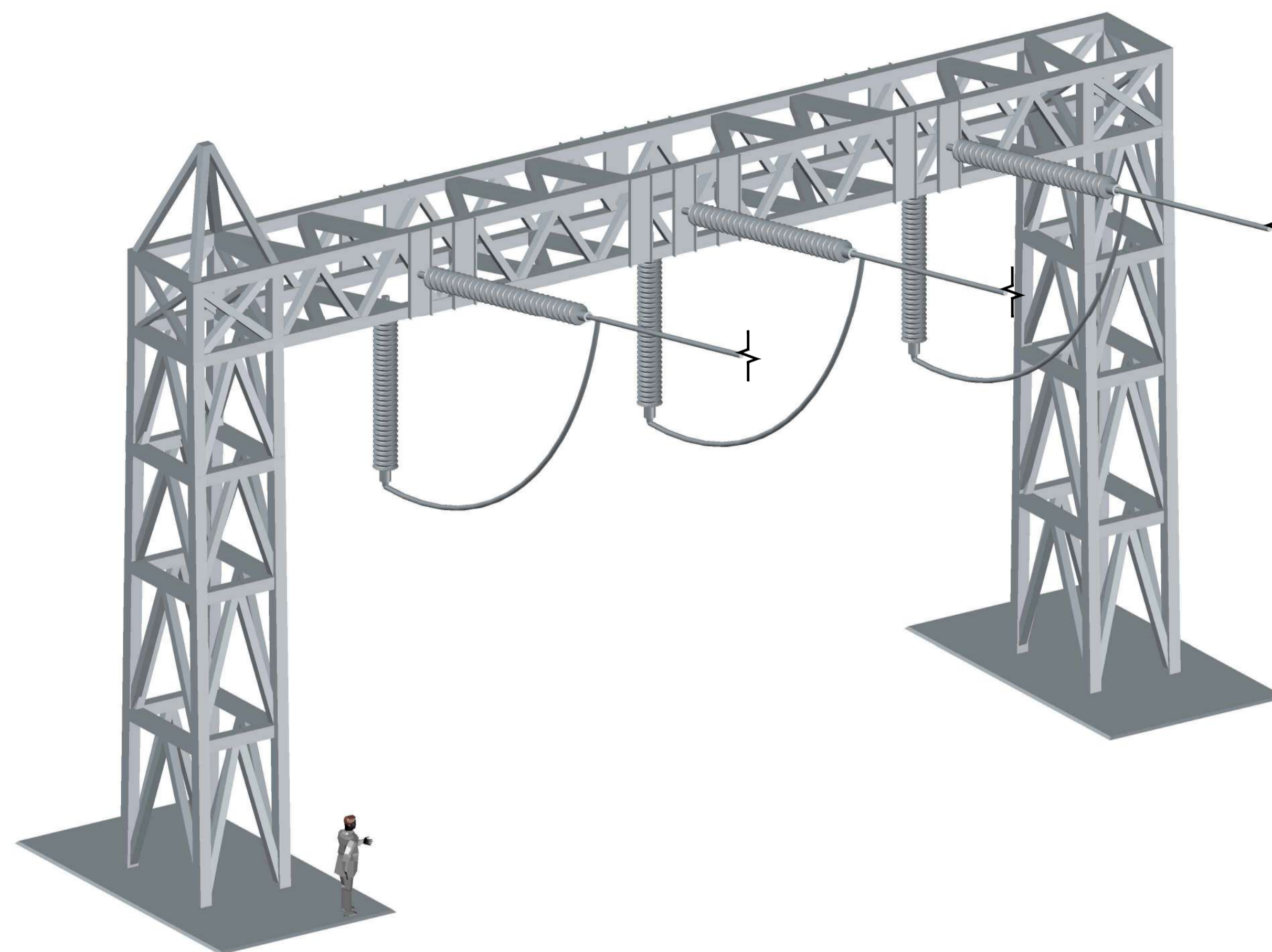
Application Number / Rhif y Cais
 EN020015

National Grid Drawing Reference / Cyfeirnod Lluniad National Grid
 DCO_DE/PS/01_07

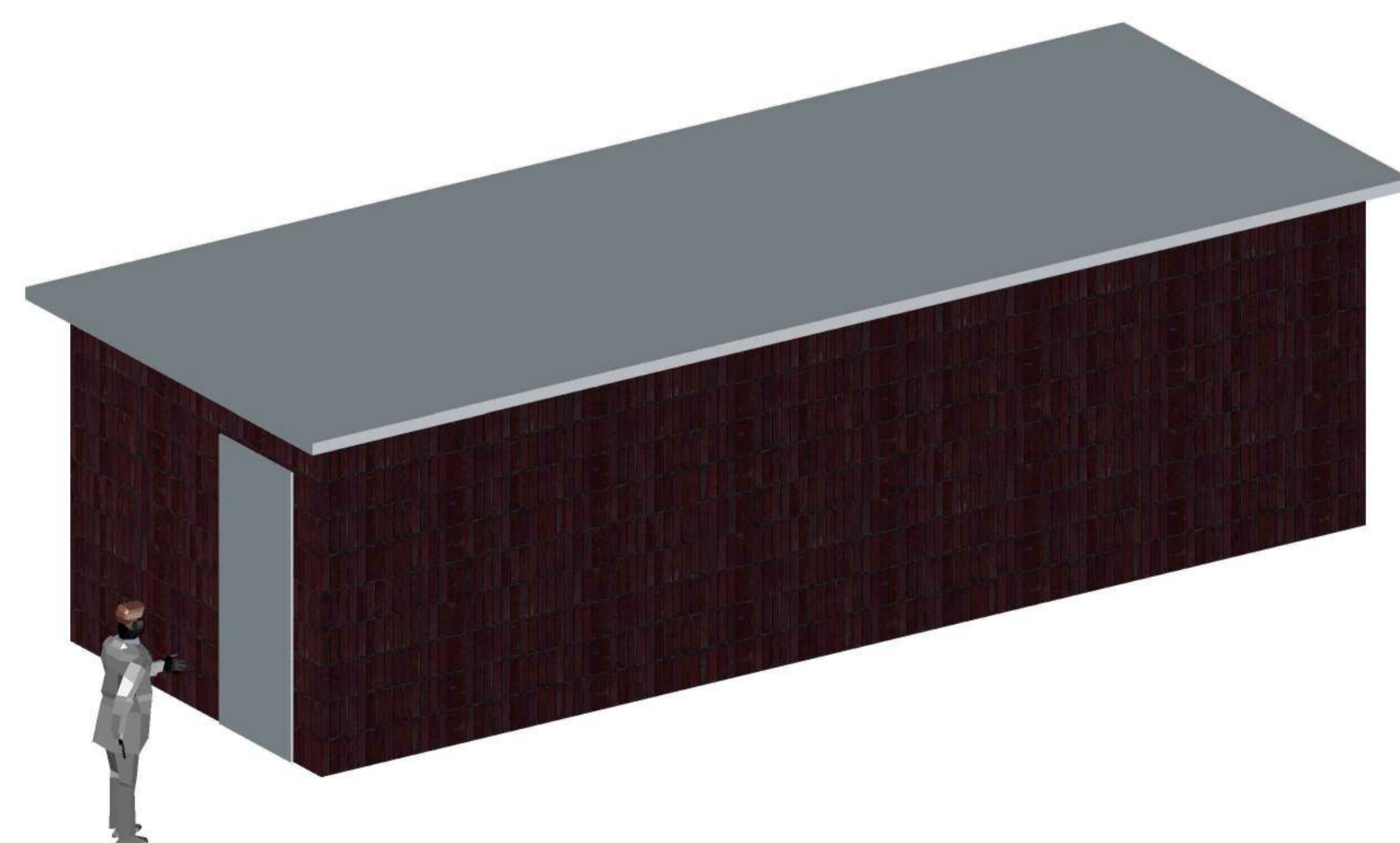
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|-----------------|-----------------------------|---------------|--------------------|
| N/A | A1 | SHEET 7 OF 10 | A |



GANTRY



FULL LINE TENSION GANTRY



PORTABLE RELAY ROOM

Notes / Nodiadau

- THIS DRAWING IS SCALED AT PAPER SIZE A1. THEREFORE ANY PRINTS TAKEN AT SMALLER SIZES WILL AFFECT ACCURACY OF THE MEASUREMENT UNITS AND SHOULD NOT BE SCALED AGAINST.

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| A | | FOR DCO SUBMISSION | BK | HB | RP | | |
| Issue / Cyhoeddiad | Date / Dyddiad | Remarks / Sylwadau | Drawn / Tynwyd | Checked / Gwirtyd | Approved / Cytmeroddiwyd | | |

Title / Teitl

THE NATIONAL GRID (NORTH WALES CONNECTION PROJECT) ORDER
 DESIGN PLAN: ILLUSTRATIVE SUBSTATION EQUIPMENT
 REGULATION 5(2)(o)
 SHEET 8 OF 10

GORCHYMYN NATIONAL GRID (PROSIECT CYSYLLTIAD GOGLEDD CYMRU)
 CYNLLUN DYLUNIO: DARLUN O OFFER YR ISORSAF
 RHEOLIAD 5(2)(o)
 DALEN 8 O 10

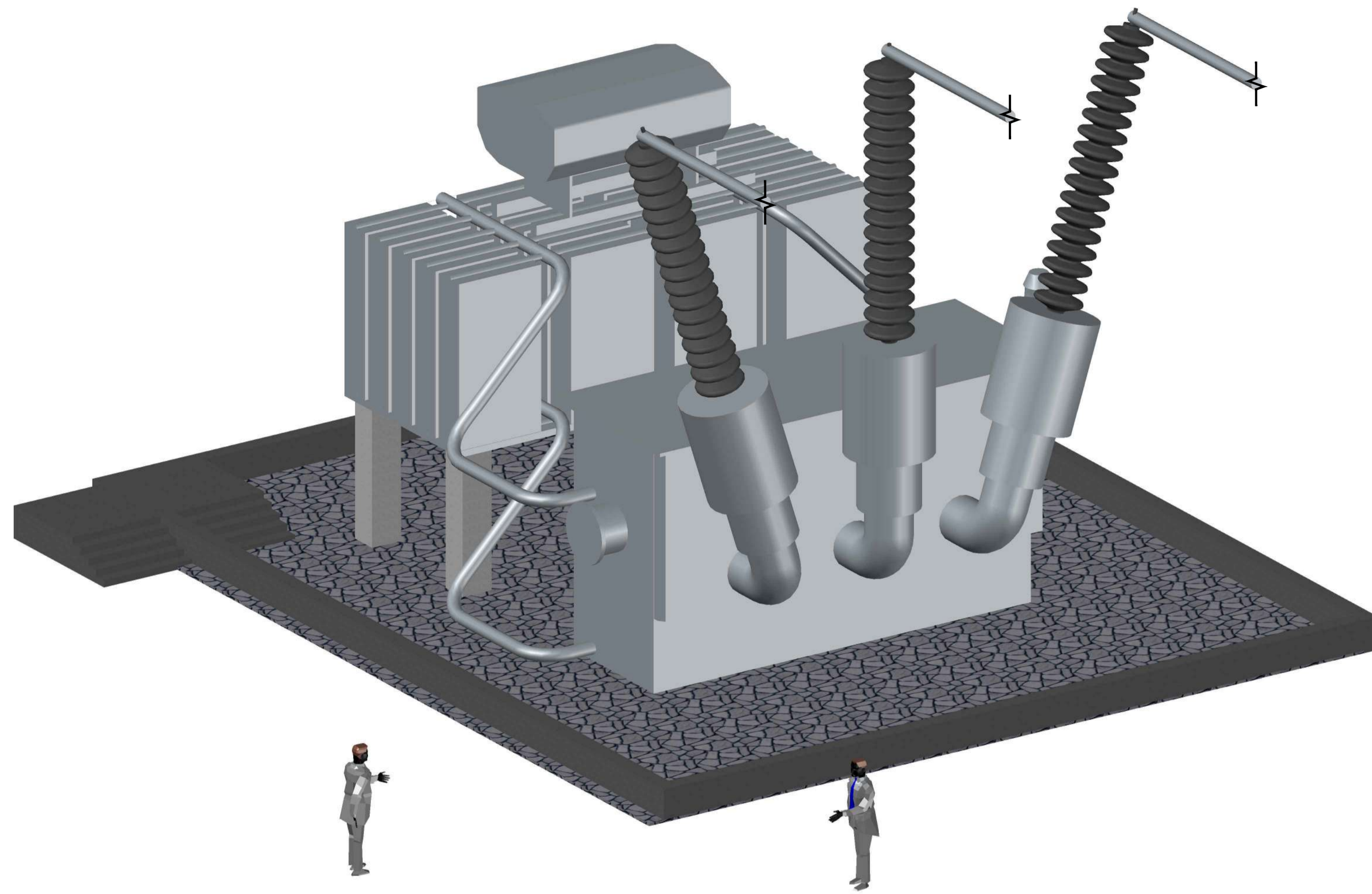


Application Number / Rhif y Cais EN020015

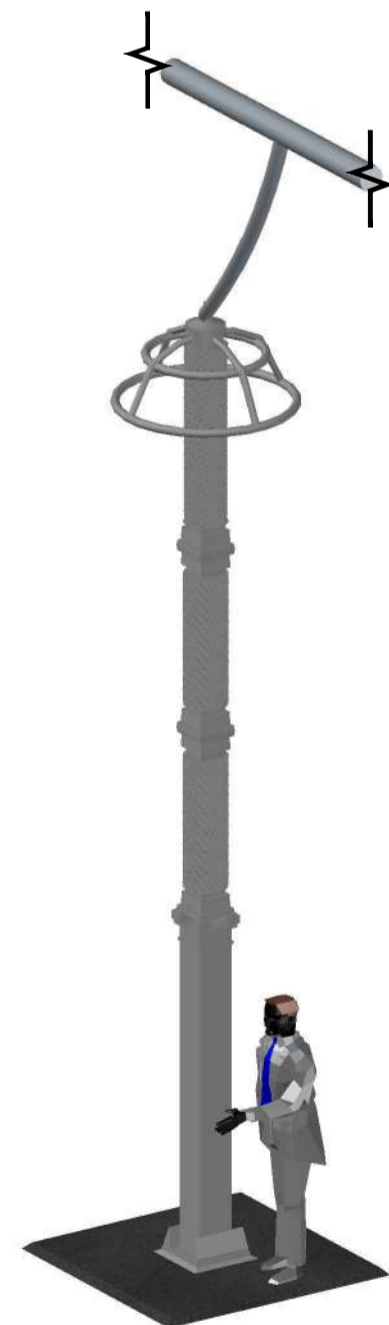
National Grid Drawing Reference / Cyfeirnod Lluniad National Grid

DCO_DE/PS/01_08

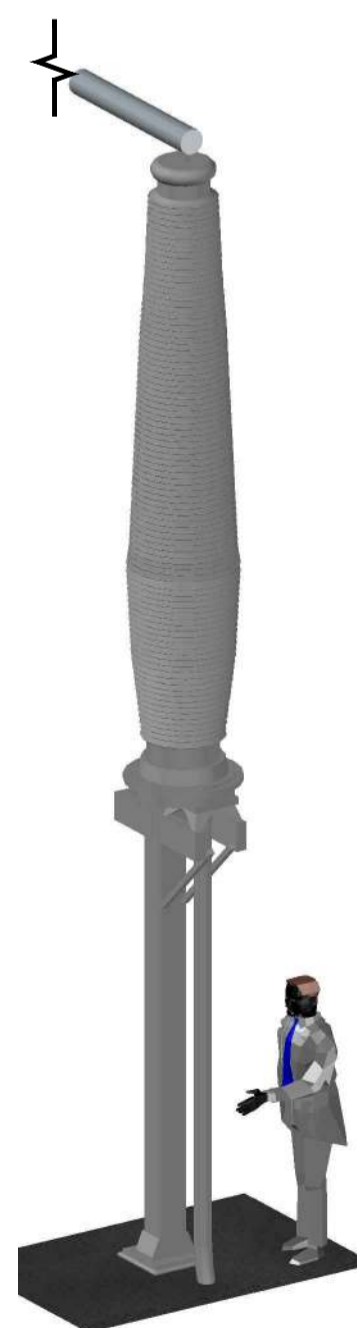
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| N/A | A1 | SHEET 8 OF 10 | A |



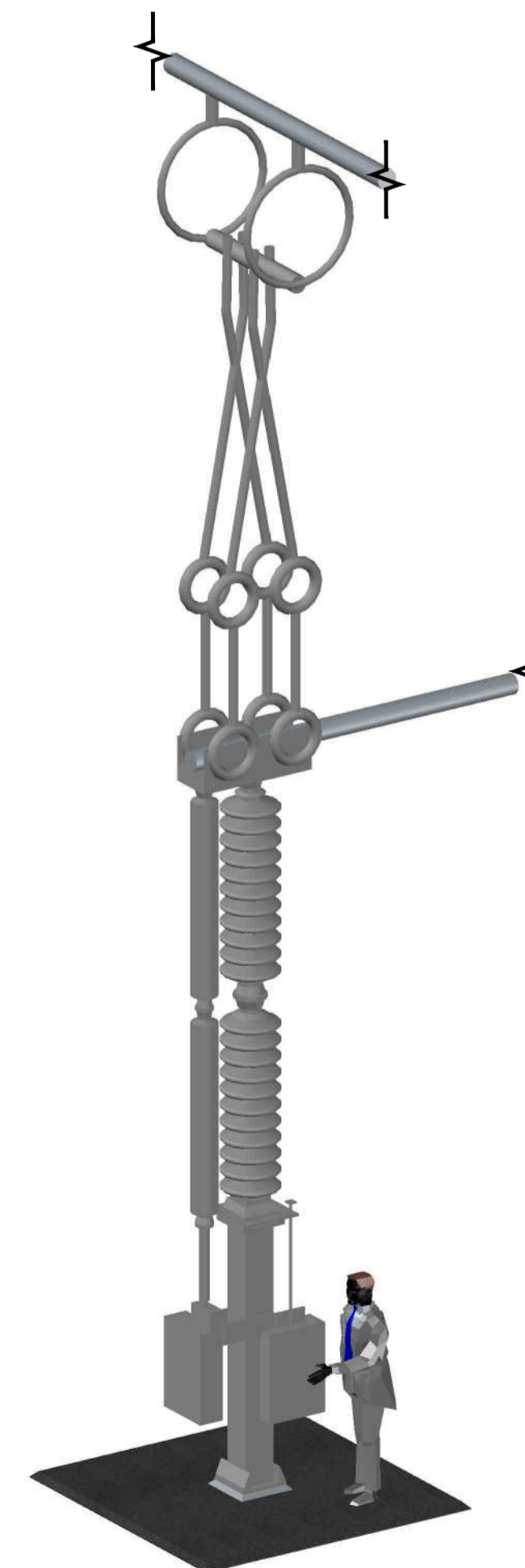
SHUNT REACTOR



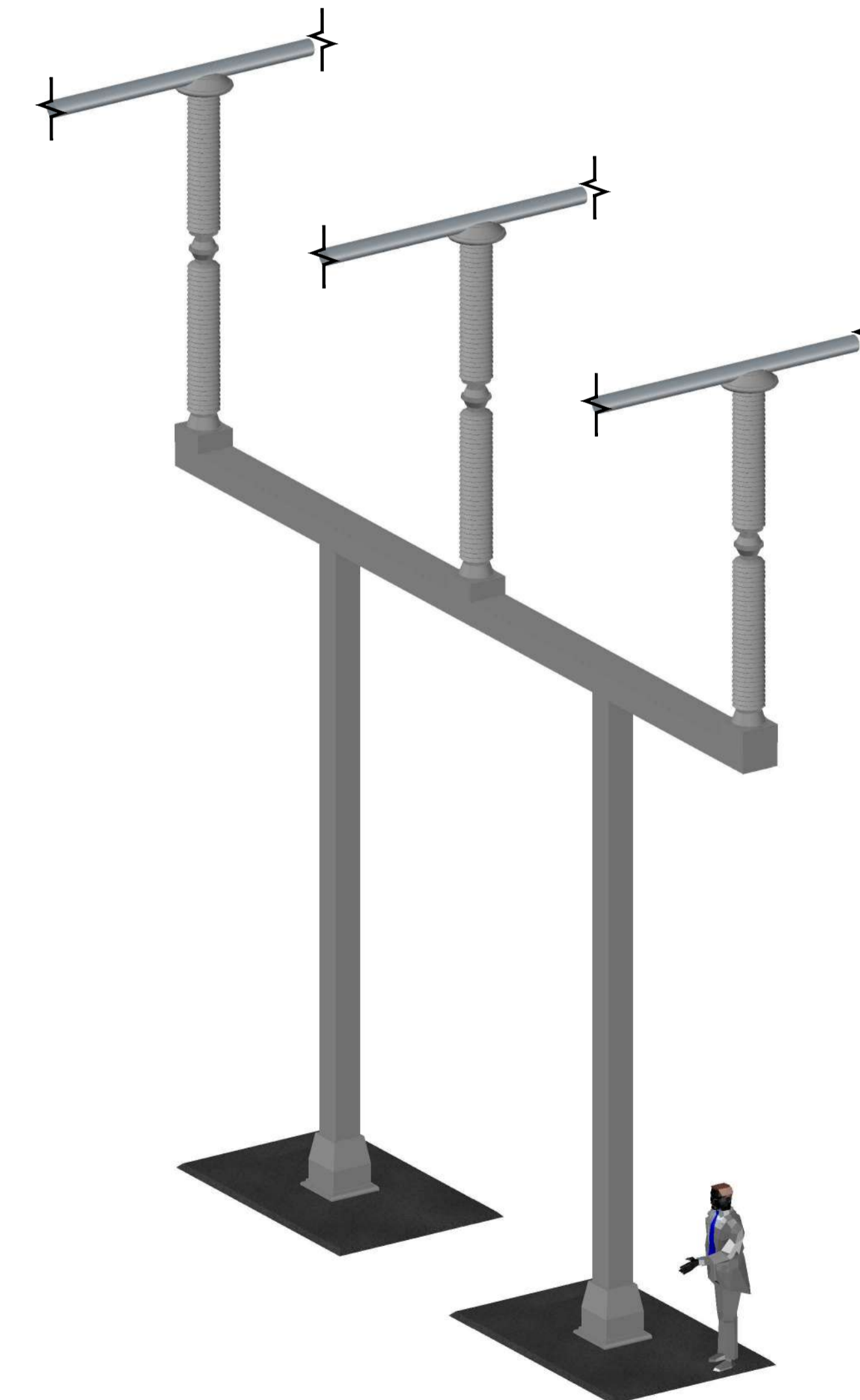
SINGLE SURGE ARRESTOR



SINGLE CABLE SEALING END



SINGLE PANTOGRAPH DISCONNECTOR



THREE PHASE POST INSULATOR

Notes / Nodiadau

1. THIS DRAWING IS SCALED AT PAPER SIZE A1. THEREFORE ANY PRINTS TAKEN AT SMALLER SIZES WILL AFFECT ACCURACY OF THE MEASUREMENT UNITS AND SHOULD NOT BE SCALED AGAINST.
2. WHERE A SINGLE ITEM OF EQUIPMENT IS SHOWN, THIS WOULD NORMALLY BE INSTALLED IN A GROUP OF THREE.

| Issue / Cyhoeddiad | Date / Dyddiad | Remarks / Sylwadau | Drawn / Tynwyd | Checked / Gwirtyd | Approved / Cytmeroddiwyd |
|--------------------|----------------|--------------------|----------------|-------------------|--------------------------|
| A | | FOR DCO SUBMISSION | BK | HB | RP |

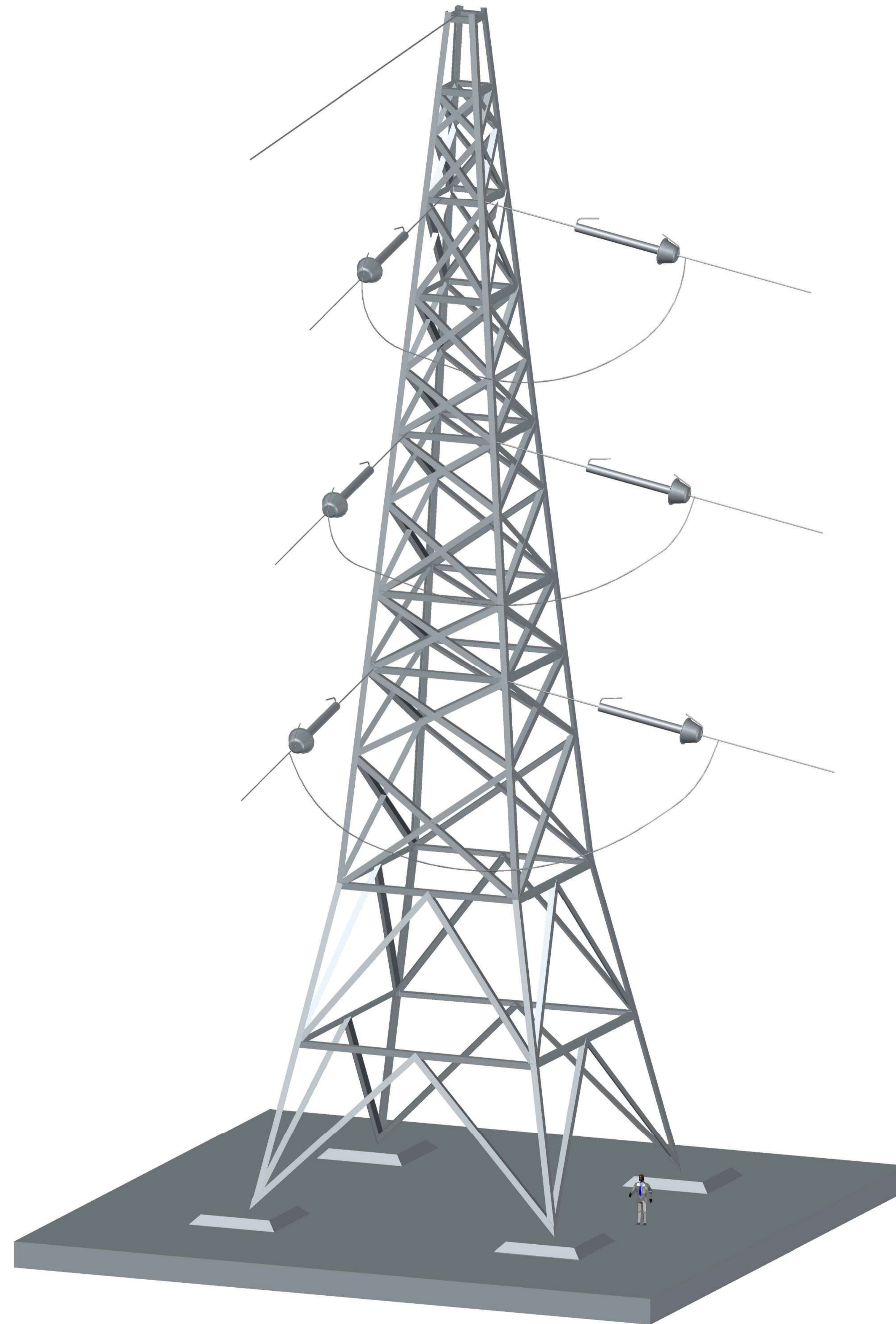
Title / Teitl
 THE NATIONAL GRID (NORTH WALES CONNECTION PROJECT) ORDER
 DESIGN PLAN: ILLUSTRATIVE SUBSTATION EQUIPMENT
 REGULATION 5(2)(o)
 SHEET 9 OF 10
 GORCHYMYN NATIONAL GRID (PROSIECT CYSYLLTIAD GOGLEDD CYMRU)
 CYNLLUN DYLUNIO: DARLUN O OFFER YR ISORSAF
 RHEOLIAD 5(2)(o)
 DALEN 9 O 10



Application Number / Rhif y Cais EN020015

National Grid Drawing Reference / Cyfeirnod Lluniad National Grid DCO_DE/PS/01_09

| Scale / Graddfa | Sheet Size / Manylfa Ddeddf | Sheet / Dalen | Issue / Cyhoeddiad |
|-----------------|-----------------------------|---------------|--------------------|
| N/A | A1 | SHEET 9 OF 10 | A |



ST PYLON

Notes / Nodiadau

- THIS DRAWING IS SCALED AT PAPER SIZE A1. THEREFORE ANY PRINTS TAKEN AT SMALLER SIZES WILL AFFECT ACCURACY OF THE MEASUREMENT UNITS AND SHOULD NOT BE SCALED AGAINST.

| Issue / Cyhoeddiad | Date / Dyddiad | Remarks / Sylwadau | Drawn / Tynnwyd | Checked / Gwirtyd | Approved / Cytmeroddiwyd |
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Title / Teitl

THE NATIONAL GRID (NORTH WALES CONNECTION PROJECT) ORDER
 DESIGN PLAN: ILLUSTRATIVE SUBSTATION EQUIPMENT
 REGULATION 5(2)(o)
 SHEET 10 OF 10

GORCHYMYN NATIONAL GRID (PROSIECT CYSYLLTIAD GOGLEDD CYMRU)
 CYNLLUN DYLUNIO: DARLUN O OFFER YR ISORSAF
 RHEOLIAD 5(2)(o)
 DALEN 10 O 10



Application Number / Rhif y Cais: EN020015

National Grid Drawing Reference / Cyfeirnod Lluniad National Grid: DCO_DE/PS/01_10

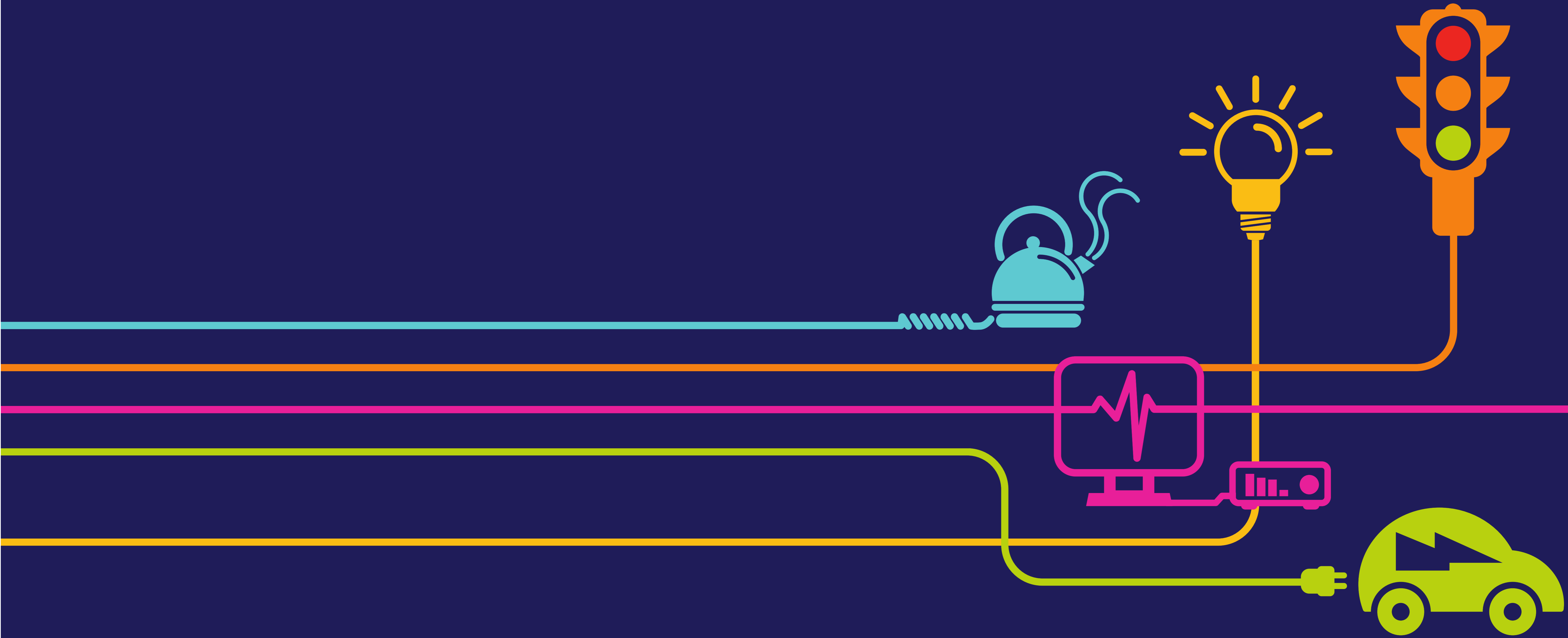
| Scale / Graddfa | Sheet Size / Manylfa Ddeddf | Sheet / Dalen | Issue / Cyhoeddiad |
|-----------------|--------------------------------|----------------|--------------------|
| N/A | A1 | SHEET 10 OF 10 | A |

Design Drawings – Explanatory Overhead Line Profile

National Grid (North Wales Connection Project)

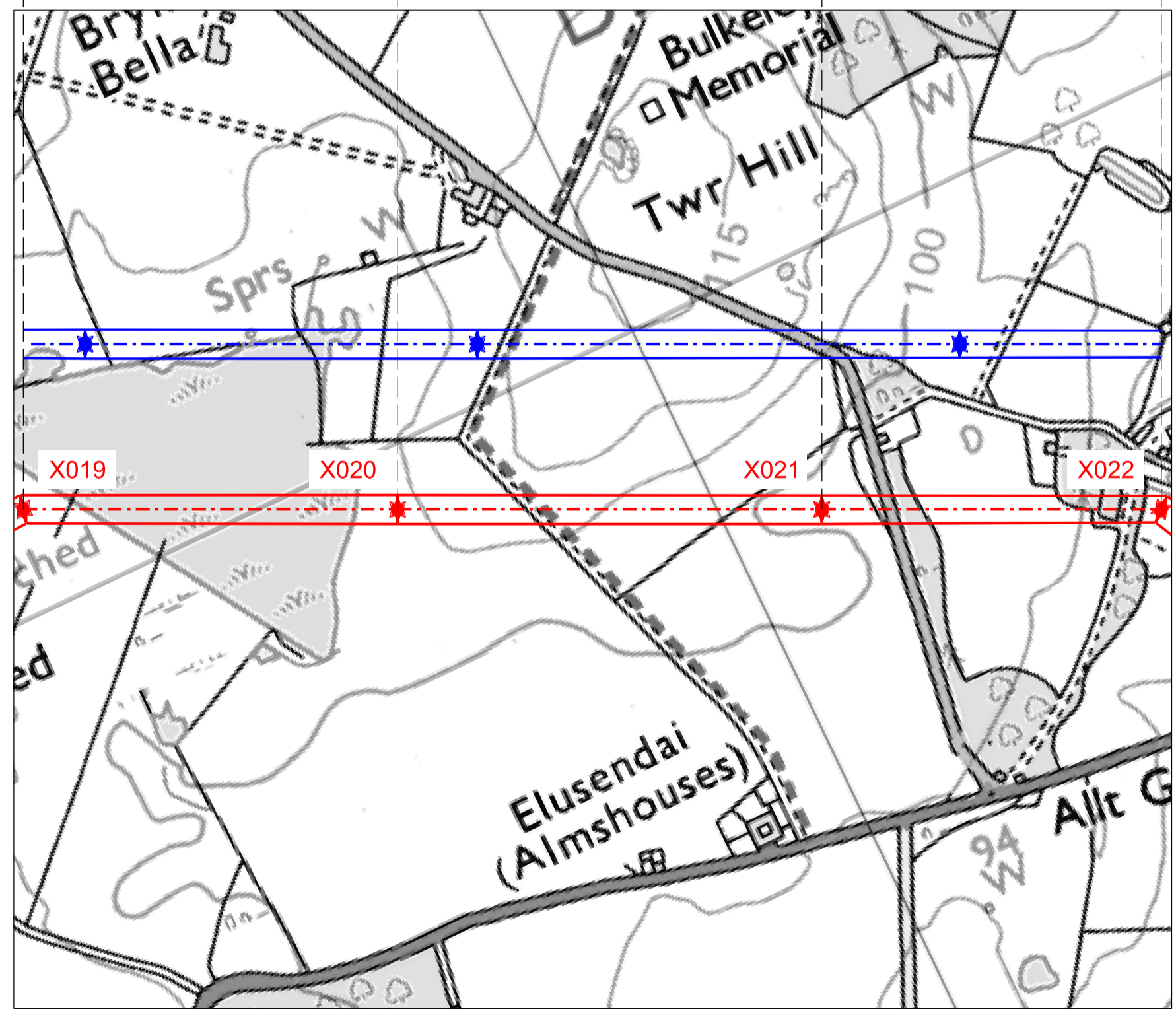
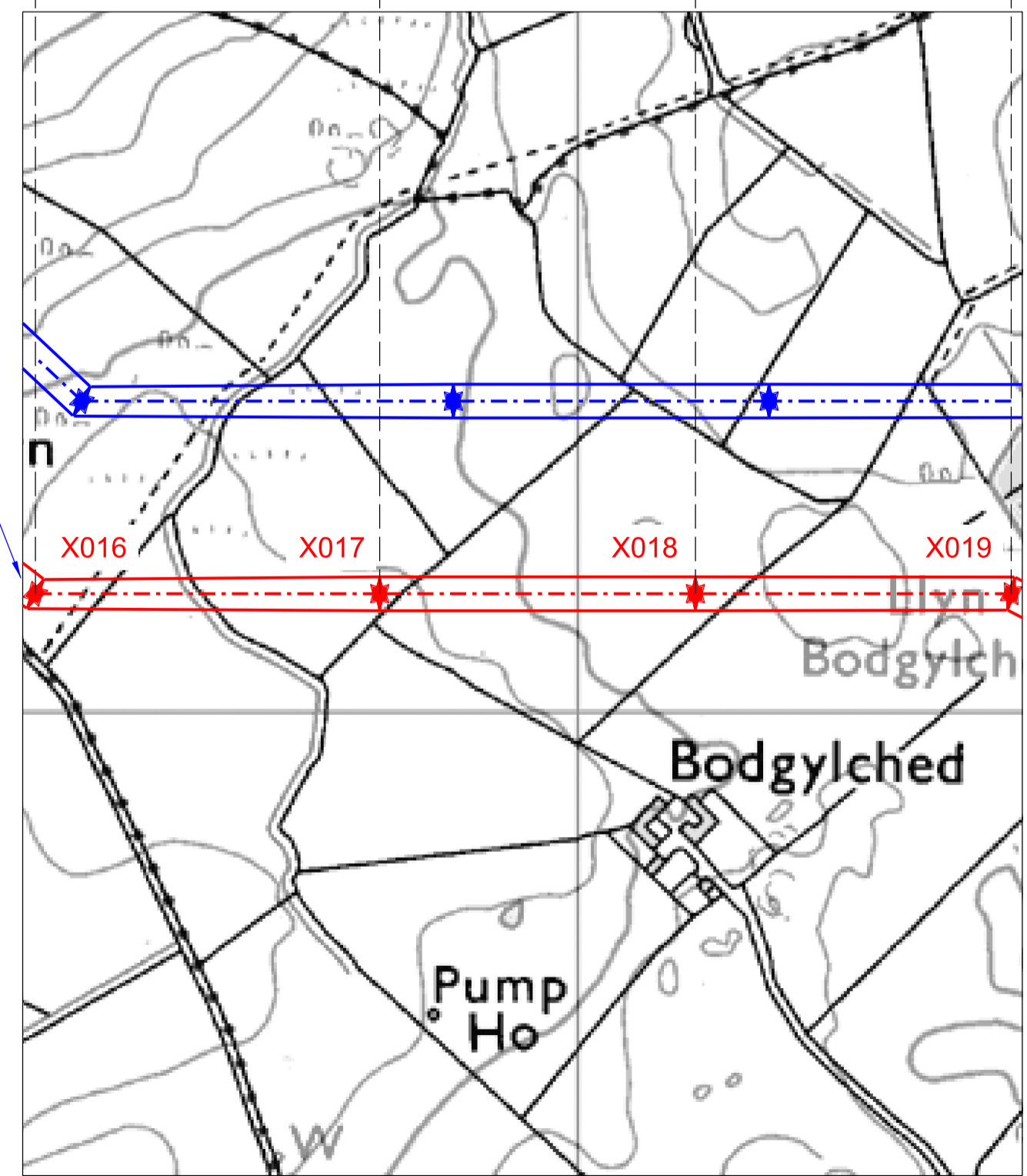
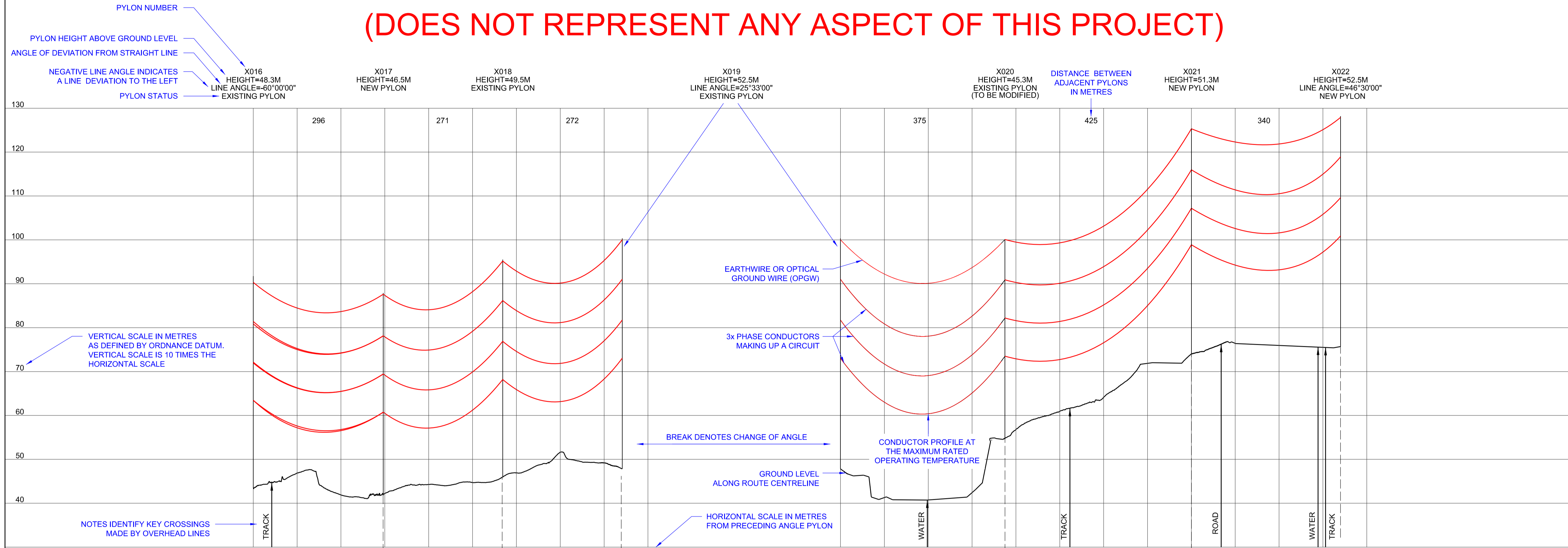
Drawing References DCO_DE/PS/02_01

| Sheet | Plan Title |
|--------|--|
| 1 of 1 | DESIGN PLAN: EXPLANATORY OVERHEAD LINE PROFILE |



EXPLANATORY SHEET

(DOES NOT REPRESENT ANY ASPECT OF THIS PROJECT)



PROFILE ABOVE RELATES ONLY TO THE LABELLED ROUTE (eg. X016)

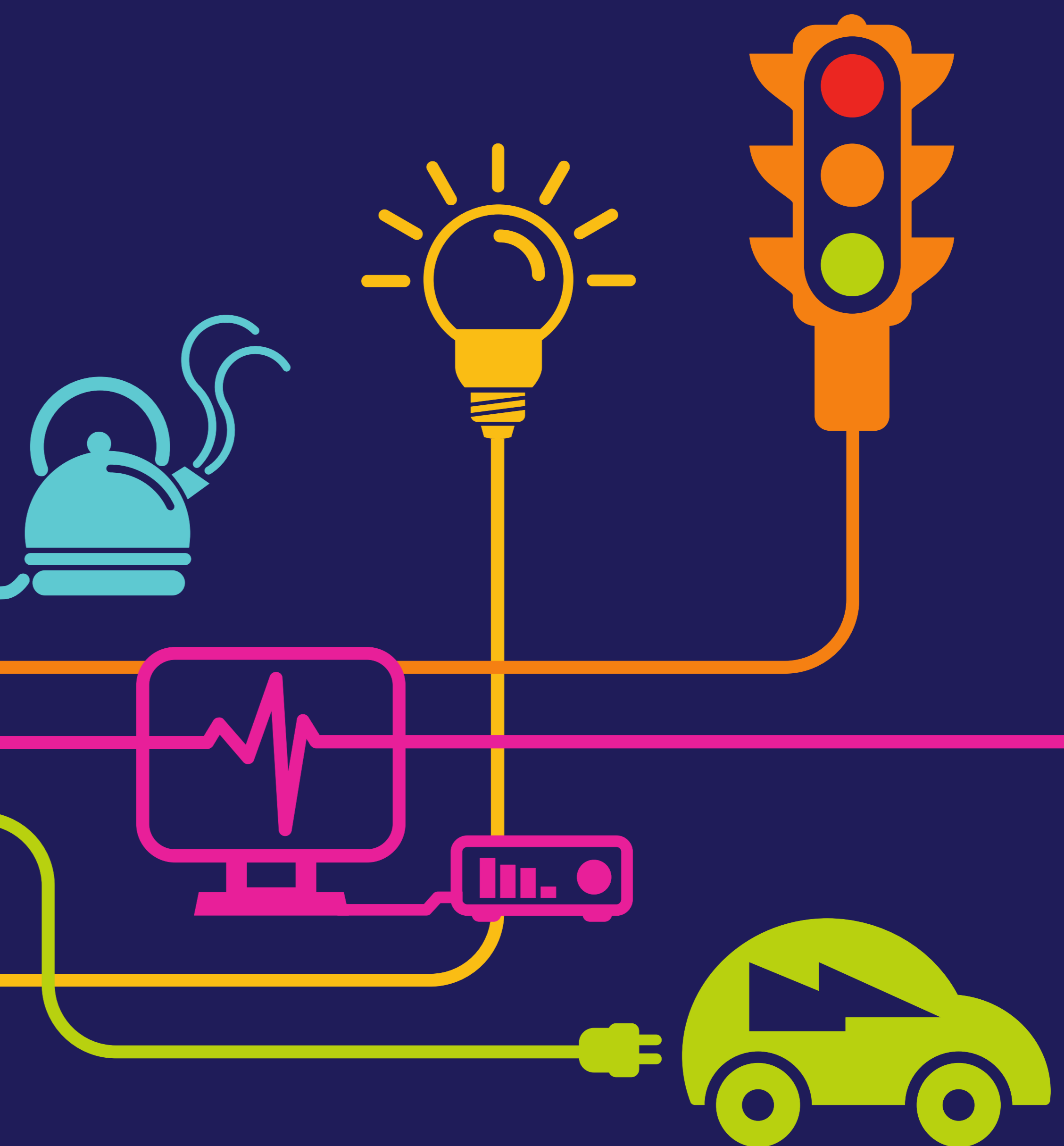
OS MAP PLAN VIEW WITH OVERHEAD LINE (OHL) ROUTE AND PYLON POSITIONS SUPERIMPOSED
 MAPPING SECTIONS ARE ORIENTATED SO THAT THE OVERHEAD LINE (OHL) SECTION SHOWN IS HORIZONTAL

Design Drawings – Indicative Overhead Line Profiles 4AP – Option A

National Grid (North Wales Connection Project)

Drawing References DCO_DE/PS/03_01 to DCO_DE/PS/03_12

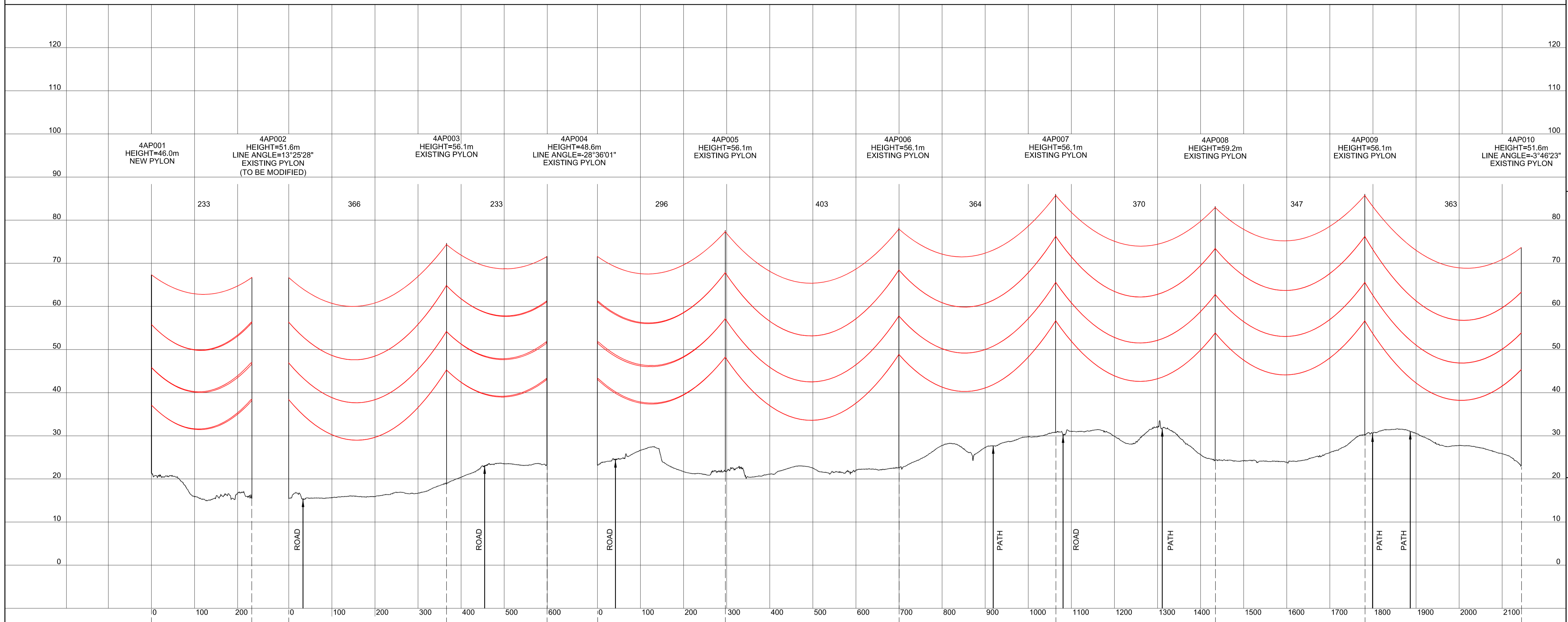
| Sheet | Plan Title |
|----------|---|
| 1 of 12 | DESIGN PLAN: INDICATIVE OVERHEAD LINE PROFILES 4AP OPTION A |
| 2 of 12 | DESIGN PLAN: INDICATIVE OVERHEAD LINE PROFILES 4AP OPTION A |
| 3 of 12 | DESIGN PLAN: INDICATIVE OVERHEAD LINE PROFILES 4AP OPTION A |
| 4 of 12 | DESIGN PLAN: INDICATIVE OVERHEAD LINE PROFILES 4AP OPTION A |
| 5 of 12 | DESIGN PLAN: INDICATIVE OVERHEAD LINE PROFILES 4AP OPTION A |
| 6 of 12 | DESIGN PLAN: INDICATIVE OVERHEAD LINE PROFILES 4AP OPTION A |
| 7 of 12 | DESIGN PLAN: INDICATIVE OVERHEAD LINE PROFILES 4AP OPTION A |
| 8 of 12 | DESIGN PLAN: INDICATIVE OVERHEAD LINE PROFILES 4AP OPTION A |
| 9 of 12 | DESIGN PLAN: INDICATIVE OVERHEAD LINE PROFILES 4AP OPTION A |
| 10 of 12 | DESIGN PLAN: INDICATIVE OVERHEAD LINE PROFILES 4AP OPTION A |
| 11 of 12 | DESIGN PLAN: INDICATIVE OVERHEAD LINE PROFILES 4AP OPTION A |
| 12 of 12 | DESIGN PLAN: INDICATIVE OVERHEAD LINE PROFILES 4AP OPTION A |



THE NATIONAL GRID (NORTH WALES CONNECTION PROJECT) ORDER
 DESIGN PLAN: INDICATIVE OVERHEAD LINE PROFILES 4AP OPTION A
 REGULATION 5(2)(o)
 SHEET 1 OF 12

GORCHYMYN NATIONAL GRID (PROSIECT CYSYLLTIAD GOGLEDD CYMRU)
 CYNLLUN DYLLUNIO: DARLUN DANGOSOL O BROFFIL Y LLINELLAU UWCHBEN 4AP OPSIWN A
 RHEOLIAD 5(2)(o)
 DALEN 1 O 12

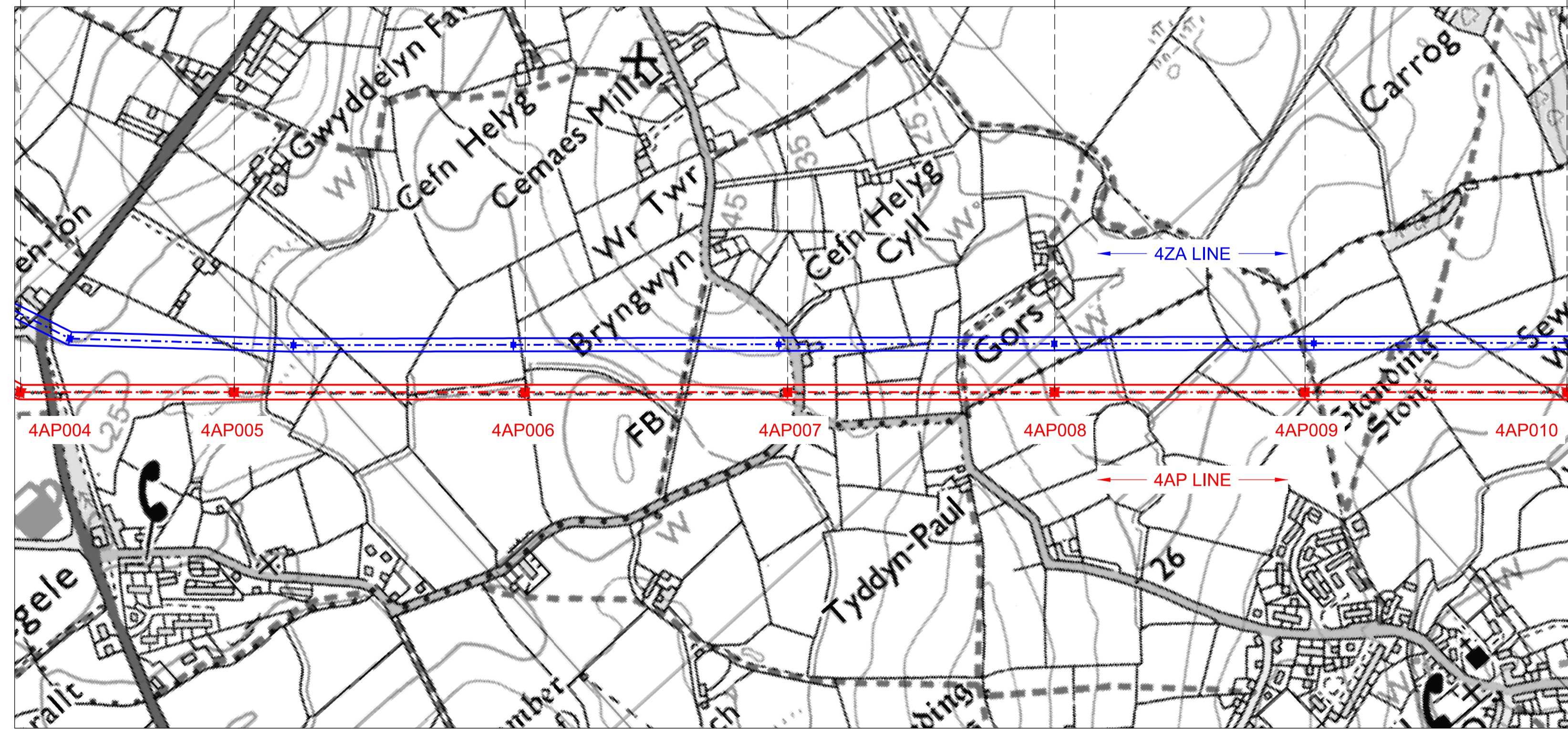
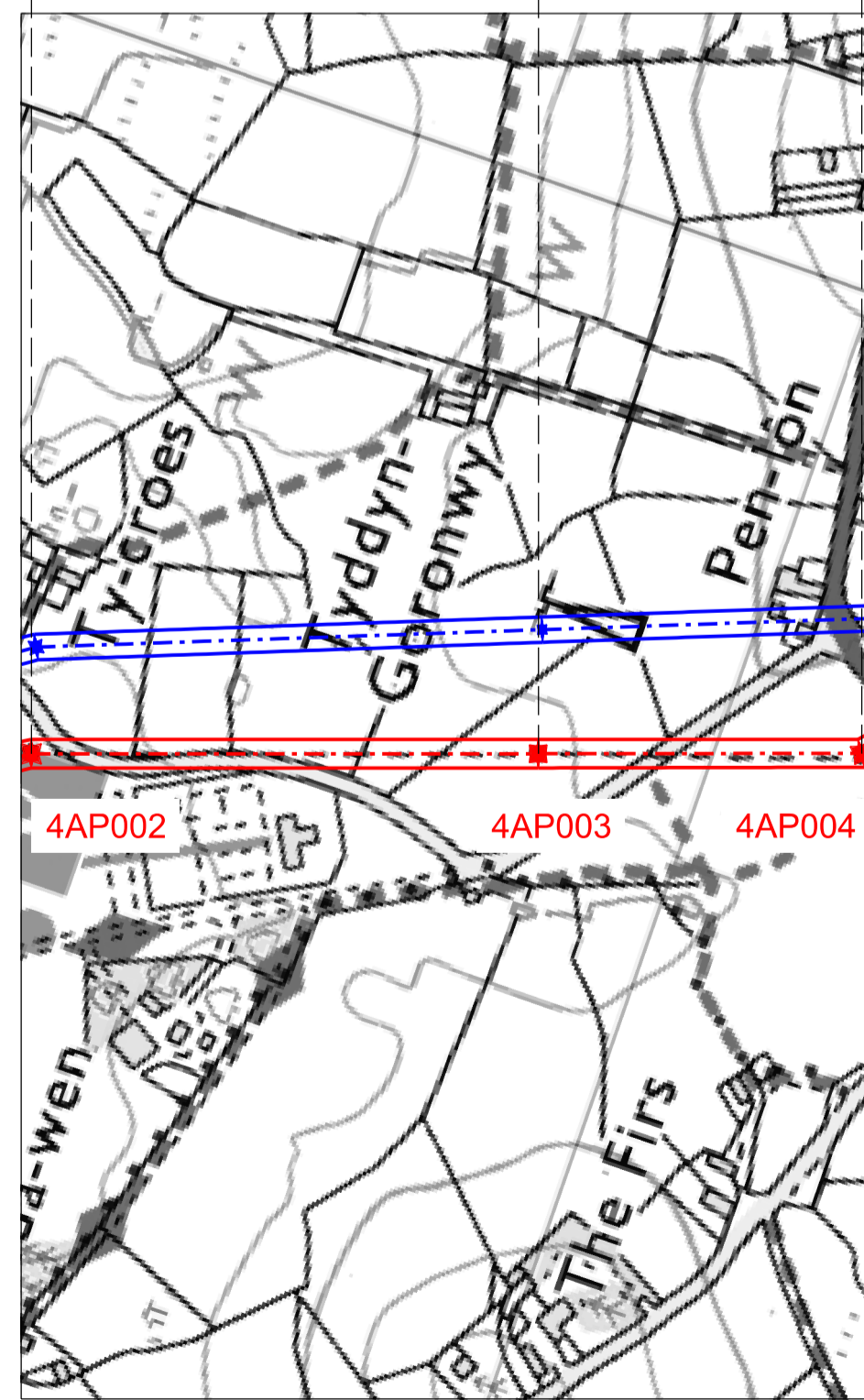
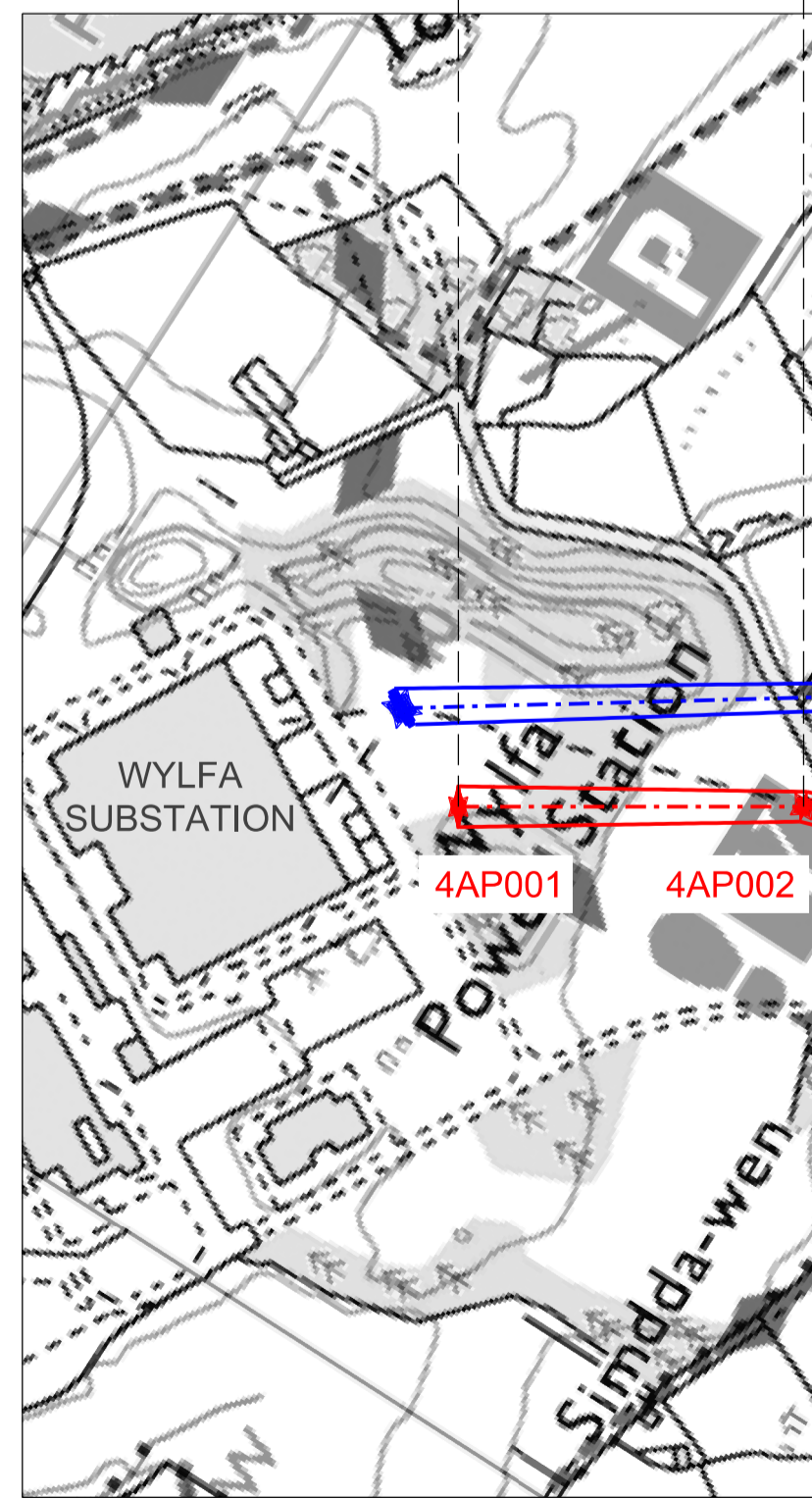
SITE MAP / MAP O'R SAFL



Legend / Allwedd

Notes / Nodiadau

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- ALL DIMENSIONS ARE IN METRES.
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- TREES AND VEGETATION ARE NOT SHOWN FOR CLARITY.



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| Issue / Cychwedd | Date / Dyddiad | Remarks / Sylweddau | Drawn / Tynwyd | Checked / Gwiriwyd | Approved / Cymerwyd |
|------------------|----------------|---------------------|----------------|--------------------|---------------------|
| A | | FOR DCO SUBMISSION | JN | MF | RP |

Title / Teitl
 THE NATIONAL GRID (NORTH WALES CONNECTION PROJECT) ORDER
 DESIGN PLAN:
 INDICATIVE OVERHEAD LINE PROFILES
 4AP OPTION A
 REGULATION 5(2)(o)
 SHEET 1 OF 12

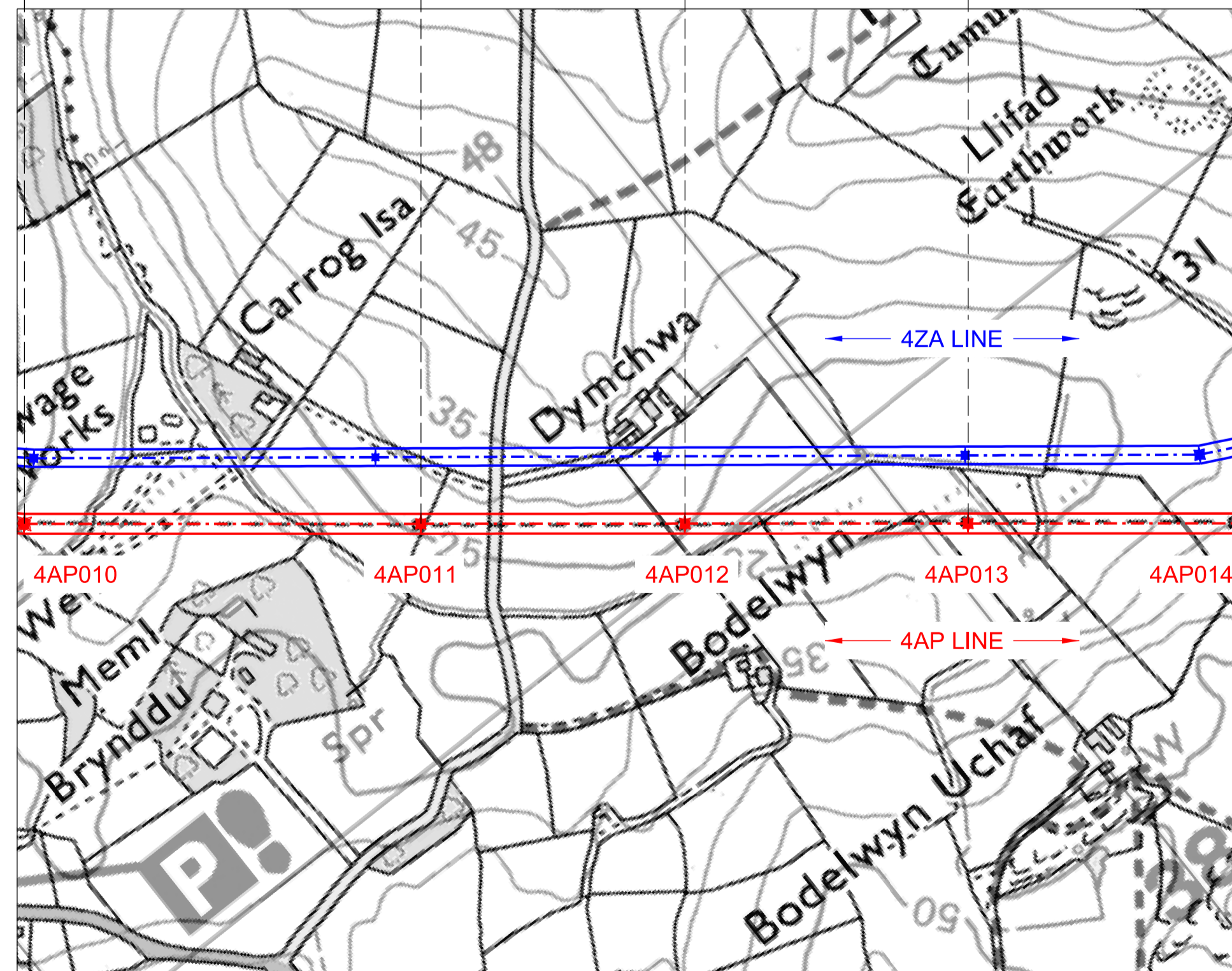
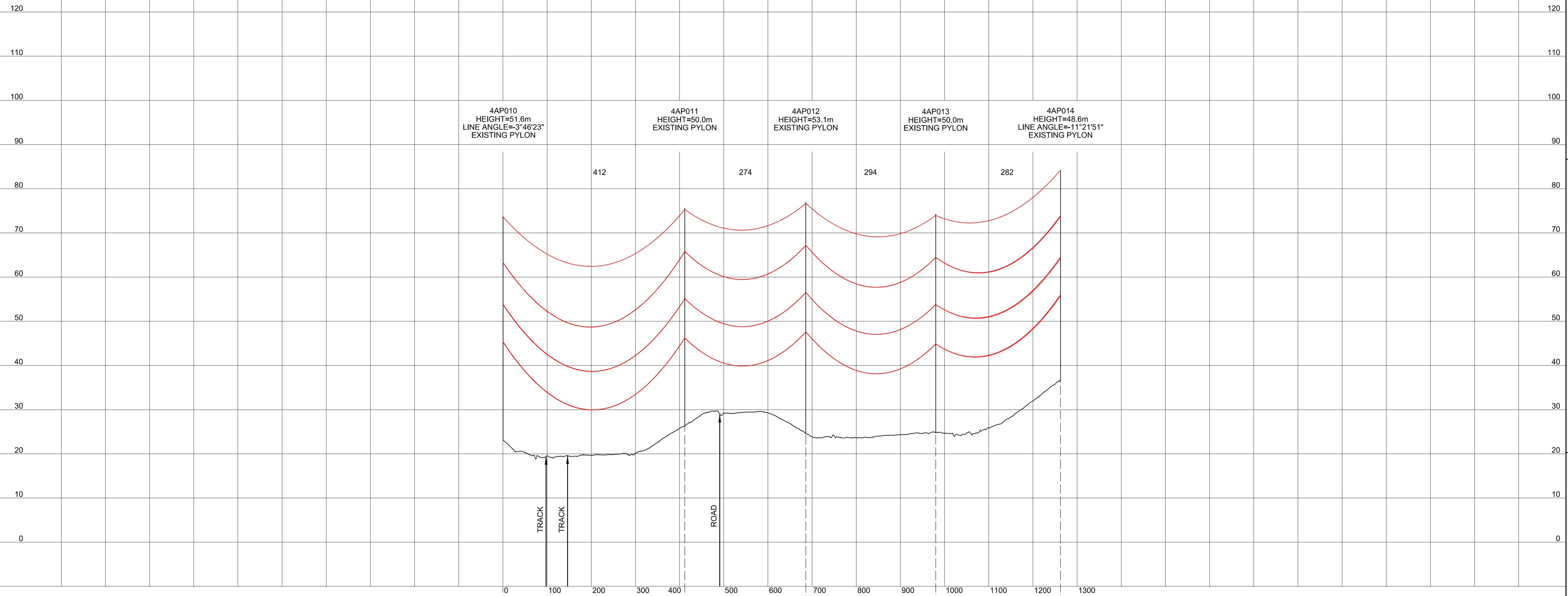
GORCHYMYN NATIONAL GRID (PROSIECT CYSYLLTIAD GOGLEDD CYMRU)
 CYNLLUN DYLLUNIO:
 DARLUN DANGOSOL O BROFFIL Y LLINELLAU UWCHBEN 4AP OPSIWN A
 RHEOLIAD 5(2)(o)
 DALEN 1 O 12

nationalgrid

Application Number / Rhif y Cais
 EN020015

National Grid Drawing Reference / Cylfeirnod Lluniad National Grid
 DCO_DE/PS/03_01

| Scale / Graddfa | Sheet Size / Mensi / Sizen | Sheet / Dafen | Issue / Cychwedd |
|-----------------------------|----------------------------|---------------|------------------|
| Hz = 1:5000 Vert = 1:500 | A1 | SHEET 1 of 12 | A |



Legend / Allwedd

Notes / Nodiadau

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| Drawn / Dymuniad | Date / Dyddiad | Remarks / Sylweddau | Drawn / Tynnwyd | Checked / Gwirwyd | Approved / Cymerwyd |
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 DESIGN PLAN:
 INDICATIVE OVERHEAD LINE PROFILES
 4AP OPTION A
 REGULATION 5(2)(o)
 SHEET 2 OF 12

GORCHYMYN NATIONAL GRID
 (PROSIECT CYSYLLTIAD GOGLEDD CYMRU)
 CYNLLUN DYLLUNIO:
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 UWCHBEN 4AP OPSIWN A
 RHEOLIAD 5(2)(o)
 DALEN 2 O 12



Application Number / Rhif y Cais: EN020015

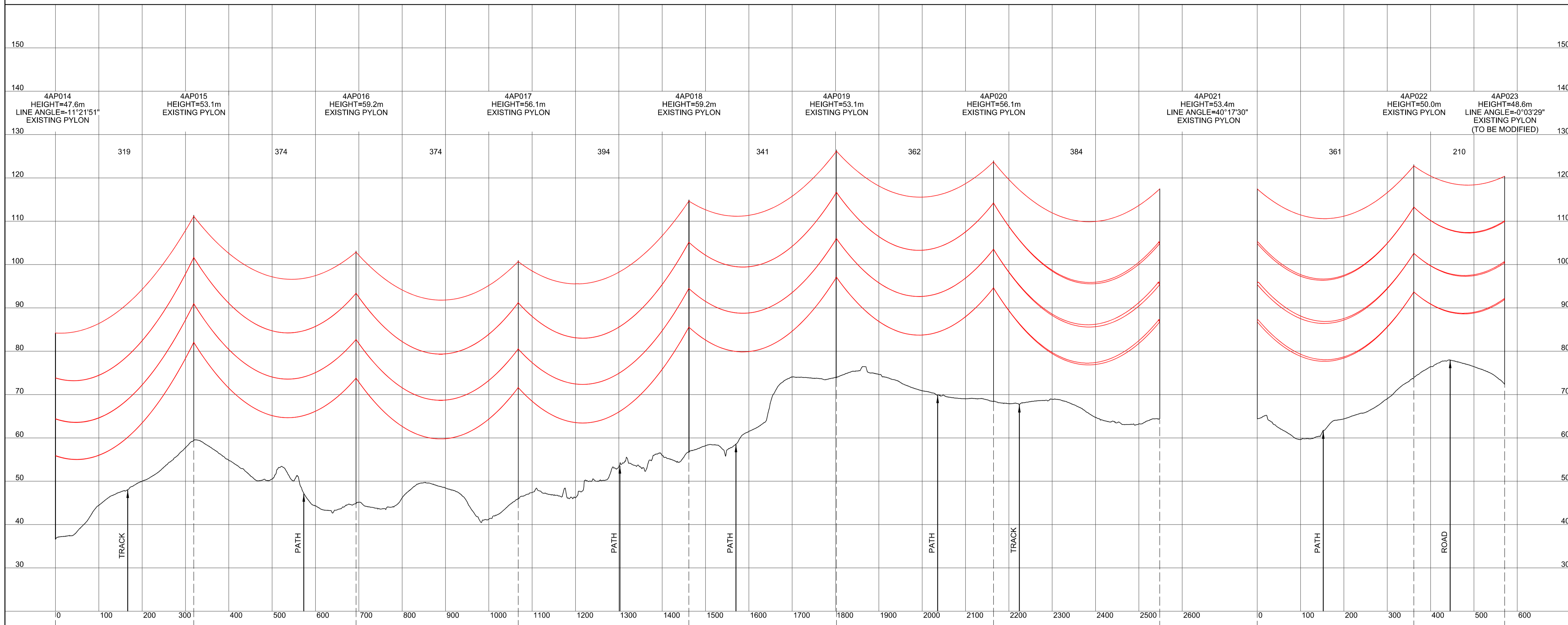
National Grid Drawing Reference / Cylfeirnod Lluniad National Grid
 DCO_DE/PS/03_02

| Scale / Graddfa | Sheet Size / Mensi / Sizen | Sheet / Dalen | Issue / Cyhoeddiad |
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| Hz = 1:5000 Vert = 1:500 | A1 | SHEET 2 of 12 | A |

THE NATIONAL GRID (NORTH WALES CONNECTION PROJECT) ORDER
 DESIGN PLAN: INDICATIVE OVERHEAD LINE PROFILES 4AP OPTION A
 REGULATION 5(2)(o)
 SHEET 3 OF 12

GORCHYMYN NATIONAL GRID (PROSIECT CYSYLLTIAD GOGLEDD CYMRU)
 CYNLLUN DYLLUNIO: DARLUN DANGOSOL O BROFFIL Y LLINELLAU UWCHBEN 4AP OPSIWN A
 RHEOLIAD 5(2)(o)
 DALEN 3 O 12

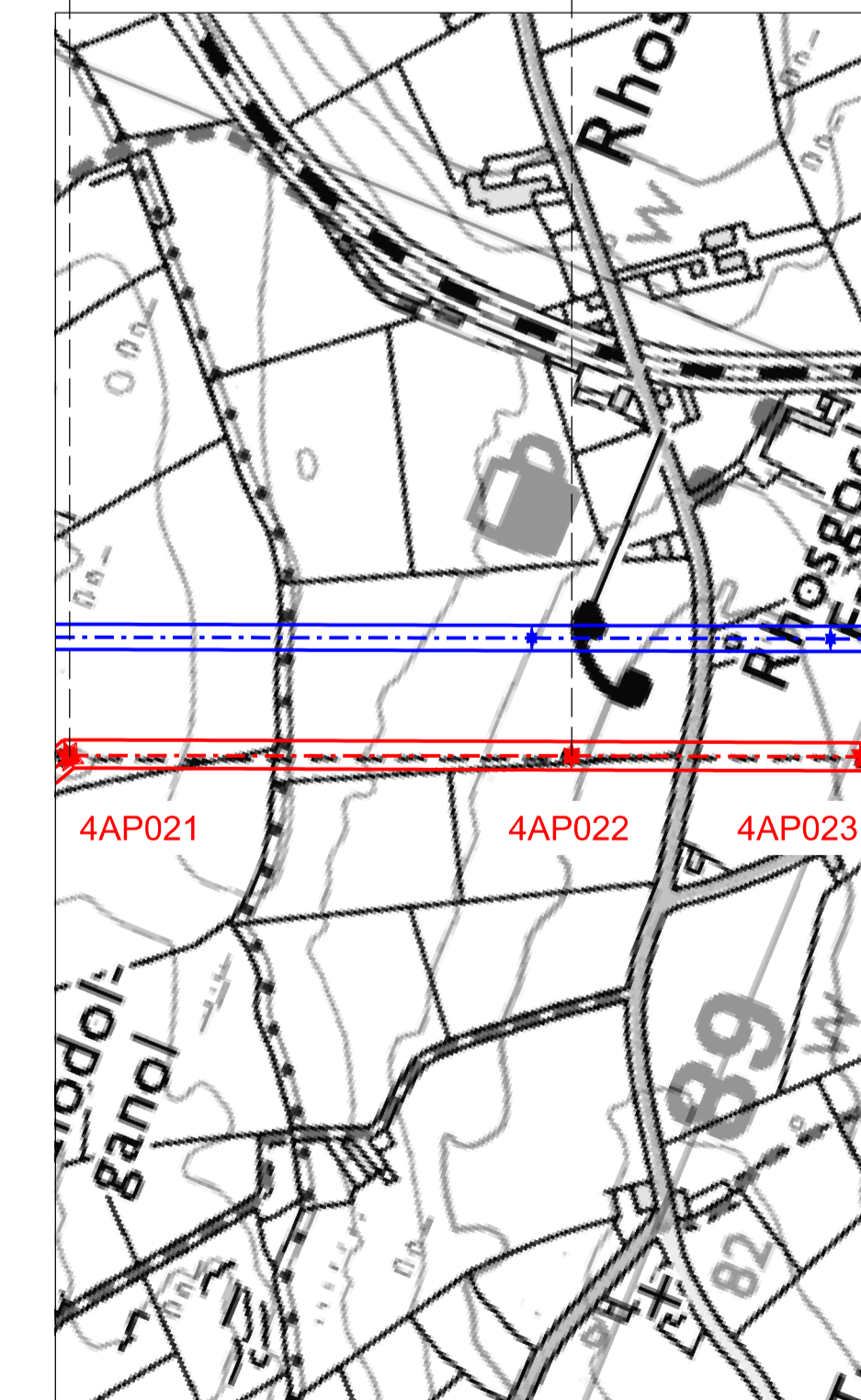
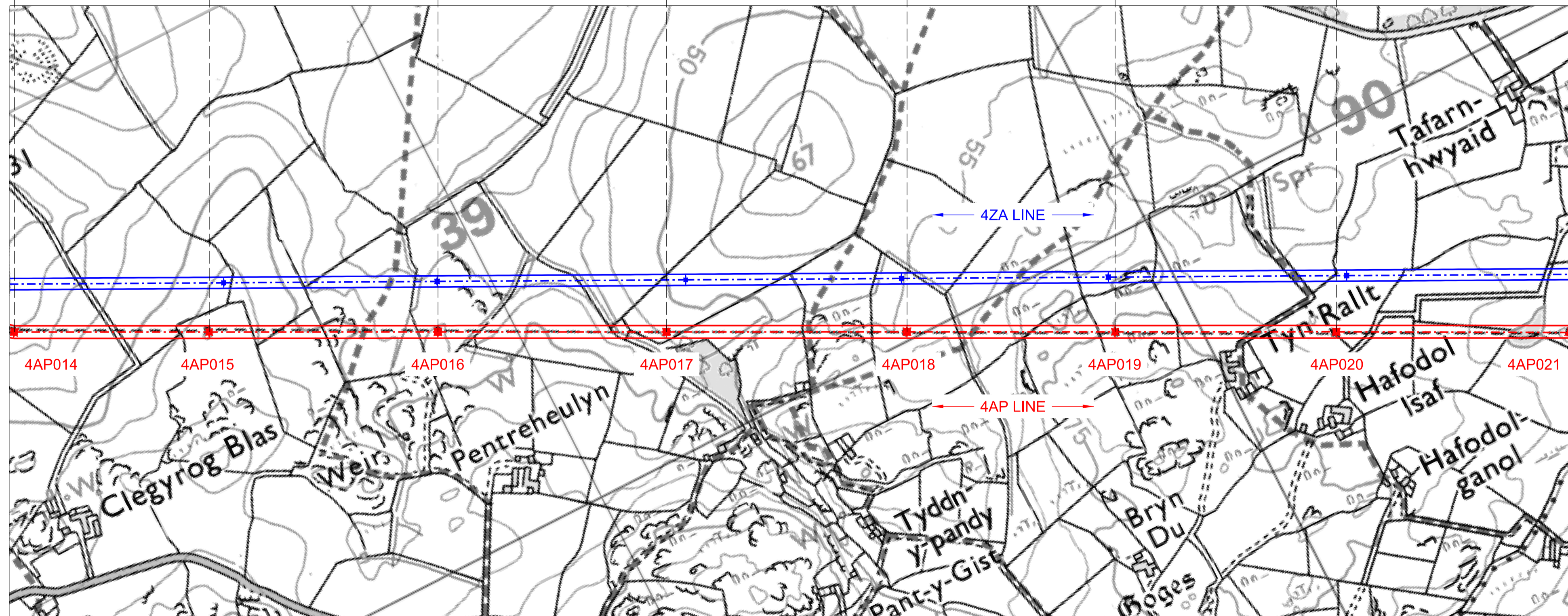
SITE MAP / MAP O'R SAFLE



Legend / Allwedd

Notes / Nodiadau

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| A | | FOR DCO SUBMISSION | JN | MF | RP |

Title / Teitl
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 DESIGN PLAN:
 INDICATIVE OVERHEAD LINE PROFILES
 4AP OPTION A
 REGULATION 5(2)(o)
 SHEET 3 OF 12

GORCHYMYN NATIONAL GRID
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 DARLUN DANGOSOL O BROFFIL Y LLINELLAU
 UWCHBEN 4AP OPSIWN A
 RHEOLIAD 5(2)(o)
 DALEN 3 O 12

nationalgrid

Application Number / Rhif y Cais
 EN020015

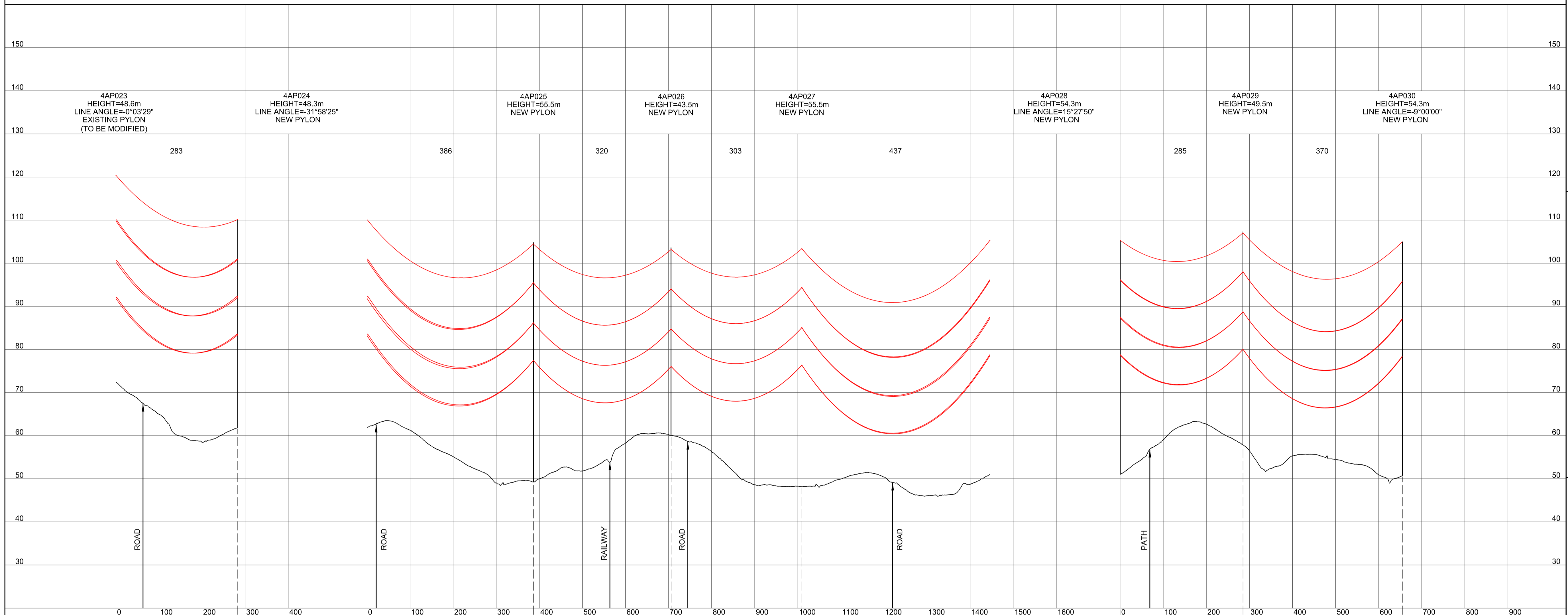
National Grid Drawing Reference / Cylfeirnod Lliniad National Grid
 DCO_DE/PS/03_03

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| Hz = 1:5000 Vort = 1:2500 | A1 | SHEET 3 of 12 | A |

THE NATIONAL GRID (NORTH WALES CONNECTION PROJECT) ORDER
 DESIGN PLAN: INDICATIVE OVERHEAD LINE PROFILES 4AP OPTION A
 REGULATION 5(2)(o)
 SHEET 4 OF 12

GORCHYMYN NATIONAL GRID (PROSIECT CYSYLLTIAD GOGLEDD CYMRU)
 CYNLLUN DYLUNIO: DARLUN DANGOSOL O BROFFIL Y LLINELLAU UWCHBEN 4AP OPSIWN A
 RHEOLIAD 5(2)(o)
 DALEN 4 O 12

SITE MAP / MAP O'R SAFLE



Legend / Allwedd

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| Issue / Cychoddiad | Date / Dyddiad | Remarks / Sylweddau | Drawn / Tynnwyd | Checked / Gwirio | Approved / Cymerwyd |
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| A | | FOR DCO SUBMISSION | JN | MF | RP |

Title / Teitl
 THE NATIONAL GRID (NORTH WALES CONNECTION PROJECT) ORDER
 DESIGN PLAN:
 INDICATIVE OVERHEAD LINE PROFILES
 4AP OPTION A
 REGULATION 5(2)(o)
 SHEET 4 OF 12

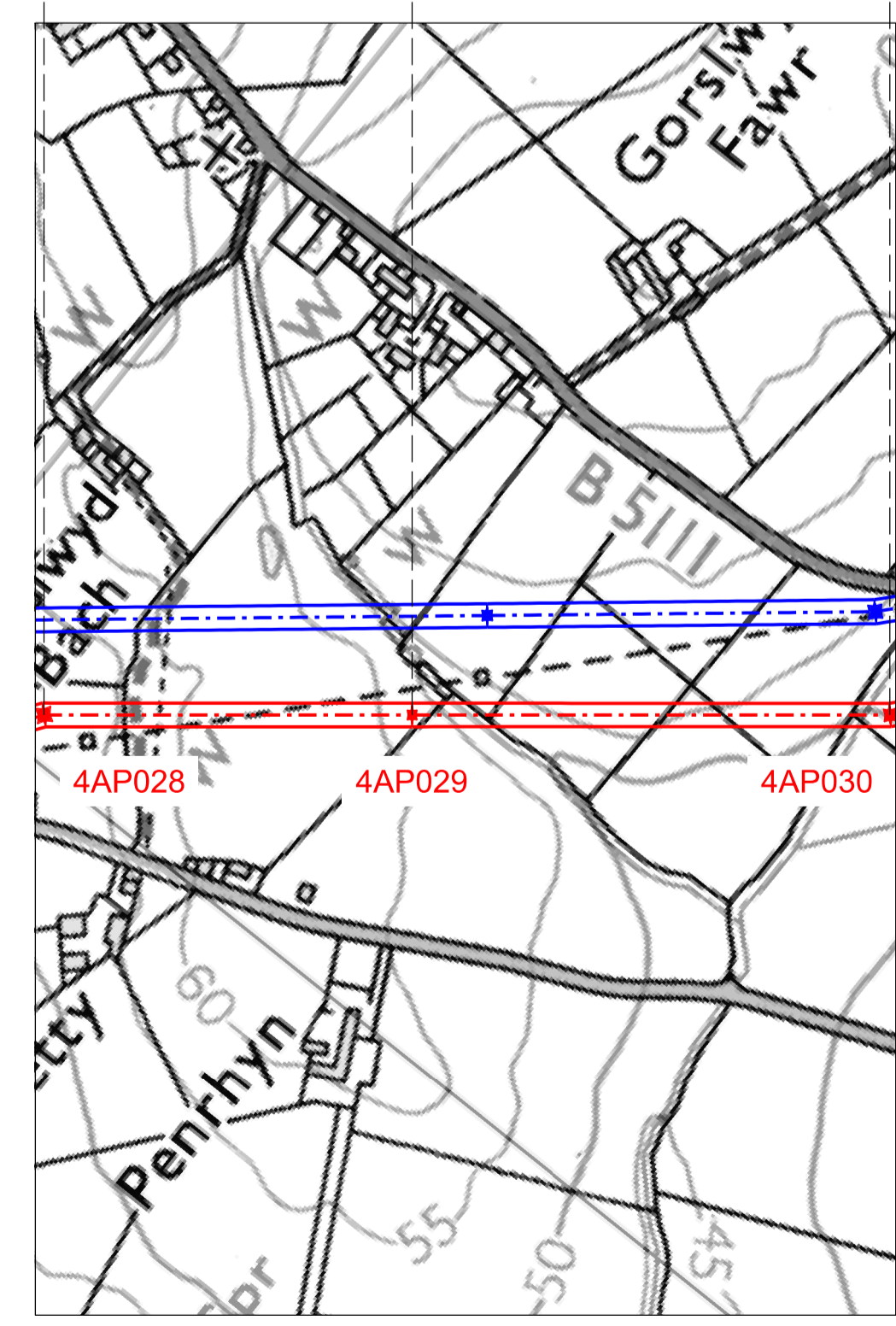
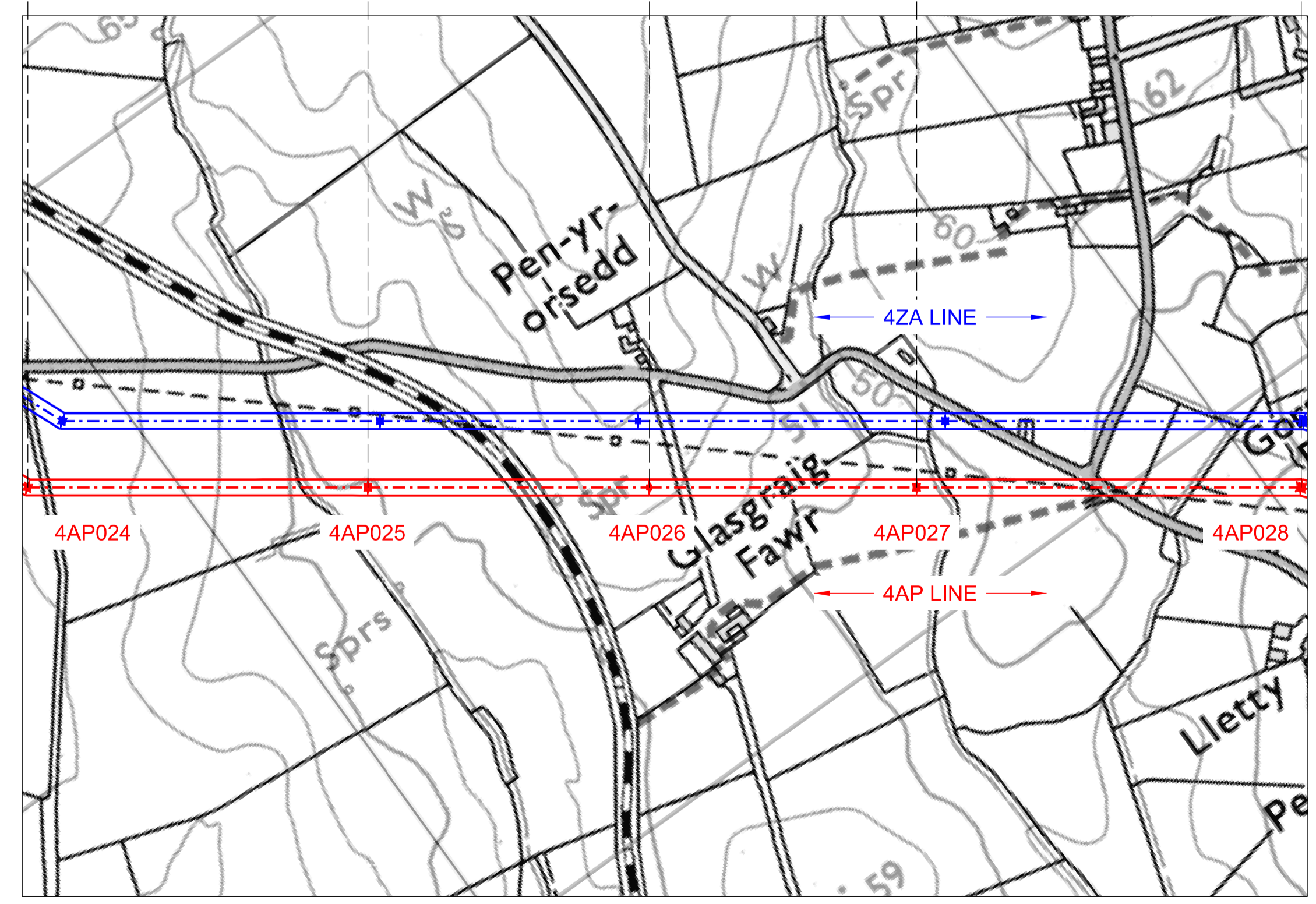
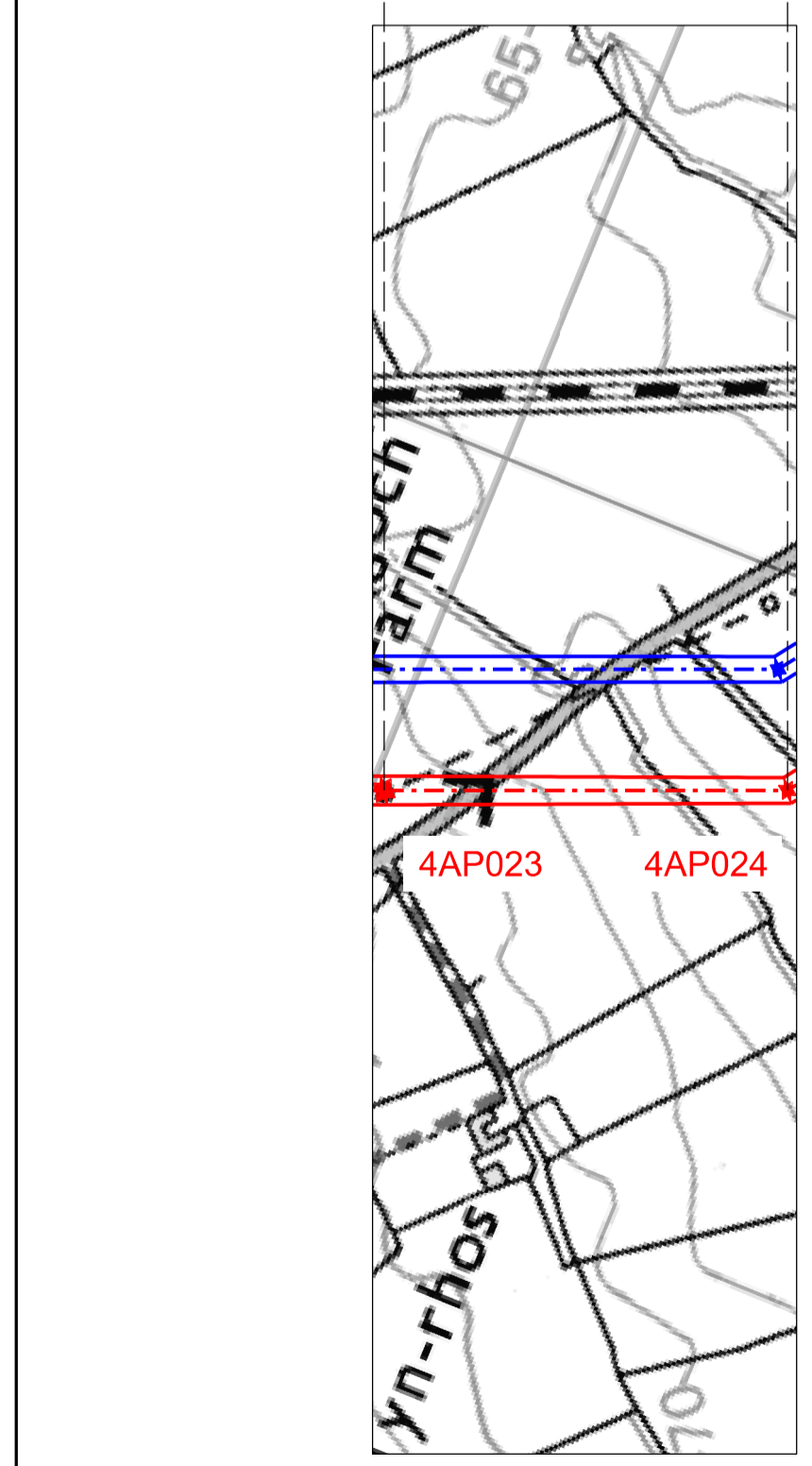
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 CYNLLUN DYLUNIO:
 DARLUN DANGOSOL O BROFFIL Y LLINELLAU
 UWCHBEN 4AP OPSIWN A
 RHEOLIAD 5(2)(o)
 DALEN 4 O 12



Application Number / Rhif y Cais: EN020015

National Grid Drawing Reference / Cylfeirnod Luniad National Grid: DCO_DE/PS/03_04

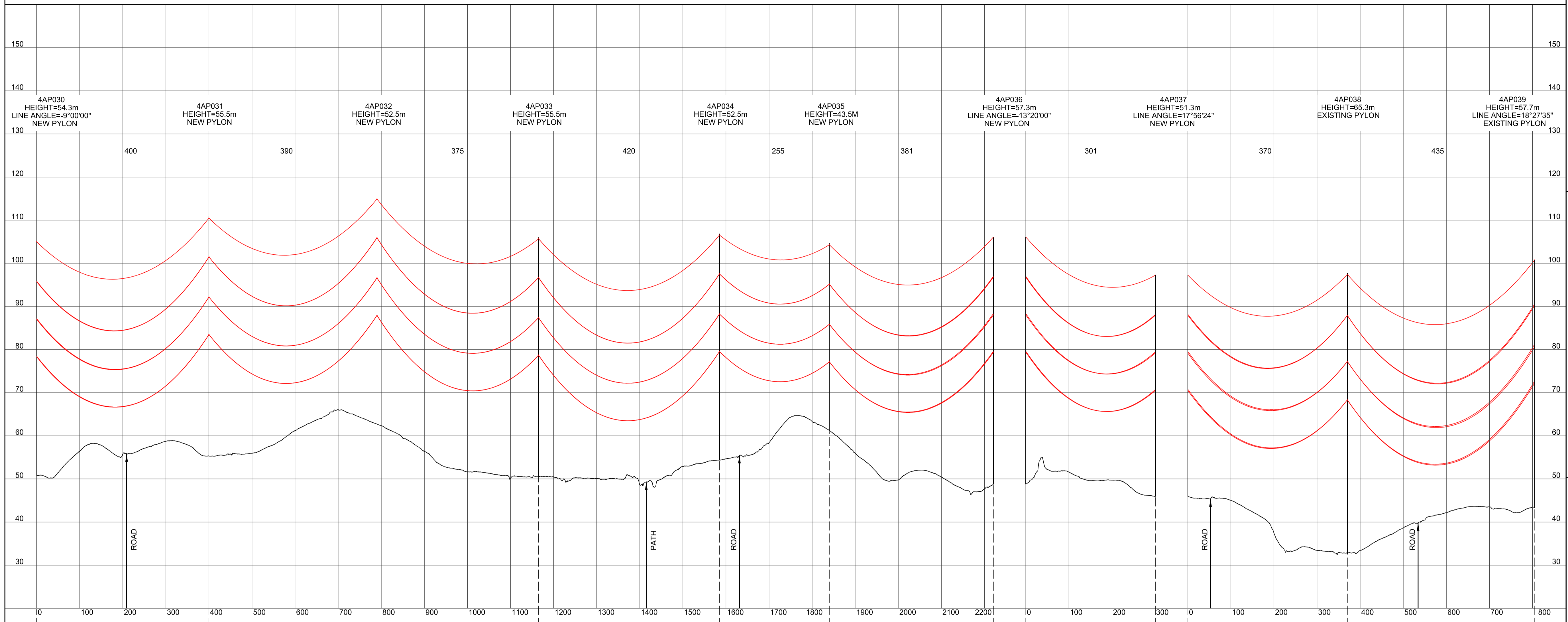
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| Hz = 1:5000 Vert = 1:2500 | A1 | SHEET 4 of 12 | A |



THE NATIONAL GRID (NORTH WALES CONNECTION PROJECT) ORDER
 DESIGN PLAN: INDICATIVE OVERHEAD LINE PROFILES 4AP OPTION A
 REGULATION 5(2)(o)
 SHEET 5 OF 12

GORCHYMYN NATIONAL GRID (PROSIECT CYSYLLTIAD GOGLEDD CYMRU)
 CYNLLUN DYLUNIO: DARLUN DANGOSOL O BROFFIL Y LLINELLAU UWCHBEN 4AP OPSIWN A
 RHEOLIAD 5(2)(o)
 DALEN 5 O 12

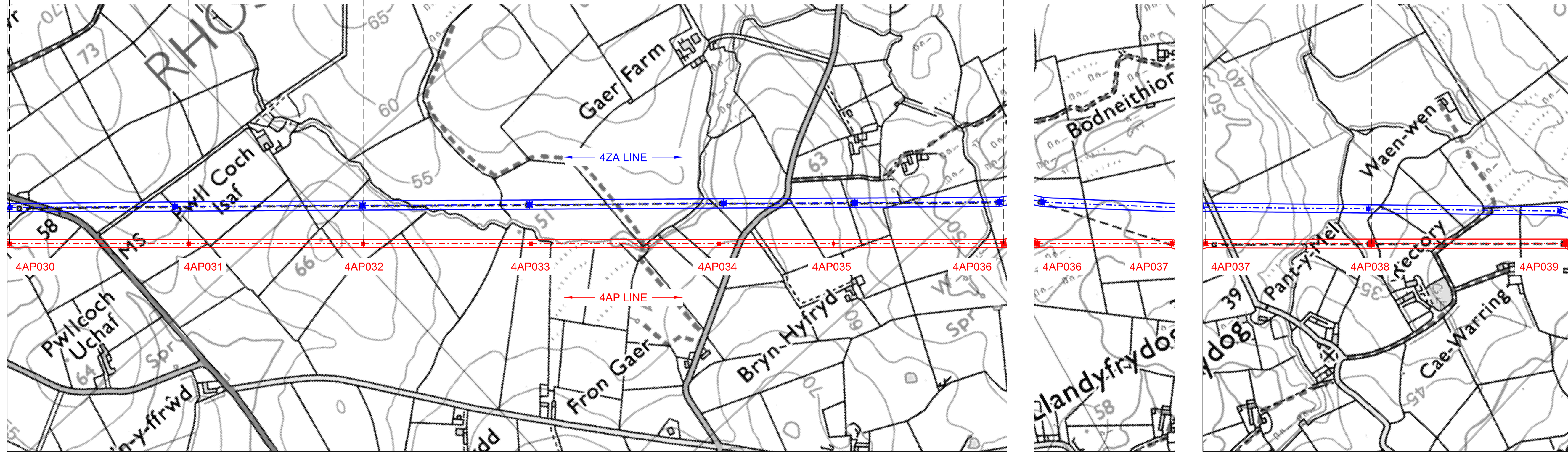
SITE MAP / MAP O'R SAFLE



Legend / Allwedd

Notes / Nodiadau

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|--------------------|----------------|---------------------|-----------------|------------------|--------------------------|
| A | | FOR DCO SUBMISSION | JN | MF | RP |

Title / Teitl
 THE NATIONAL GRID (NORTH WALES CONNECTION PROJECT) ORDER
 DESIGN PLAN:
 INDICATIVE OVERHEAD LINE PROFILES
 4AP OPTION A
 REGULATION 5(2)(o)
 SHEET 5 OF 12

GORCHYMYN NATIONAL GRID (PROSIECT CYSYLLTIAD GOGLEDD CYMRU)
 CYNLLUN DYLUNIO:
 DARLUN DANGOSOL O BROFFIL Y LLINELLAU
 UWCHBEN 4AP OPSIWN A
 RHEOLIAD 5(2)(o)
 DALEN 5 O 12



Application Number / Rhif y Cais
 EN020015

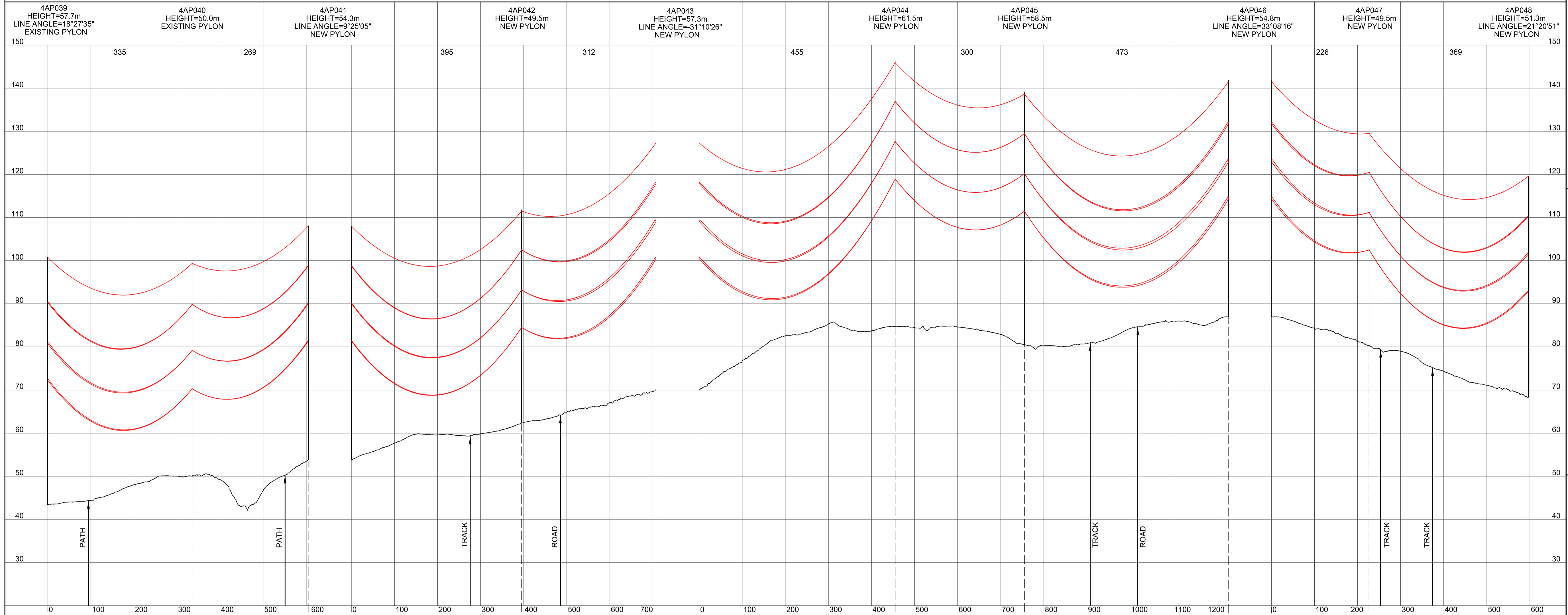
National Grid Drawing Reference / Cylfrimod Lliniad National Grid
 DCO_DE/PS/03_05

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|-----------------------------|----------------------------|---------------|--------------------|
| Hz = 1:5000 Vert = 1:500 | A1 | SHEET 5 of 12 | A |

THE NATIONAL GRID (NORTH WALES CONNECTION PROJECT) ORDER
 DESIGN PLAN: INDICATIVE OVERHEAD LINE PROFILES 4AP OPTION A
 REGULATION 5(2)(o)
 SHEET 6 OF 12

GORCHYMYN NATIONAL GRID (PROSIECT CYSYLLTIAD GOGLEDD CYMRU)
 CYNLLUN DYLUNIO: DARLUN DANGOSOL O BROFFIL Y LLINELLAU UWCHBEN 4AP OPSIWN A
 RHEOLIAD 5(2)(o)
 DALEN 6 O 12

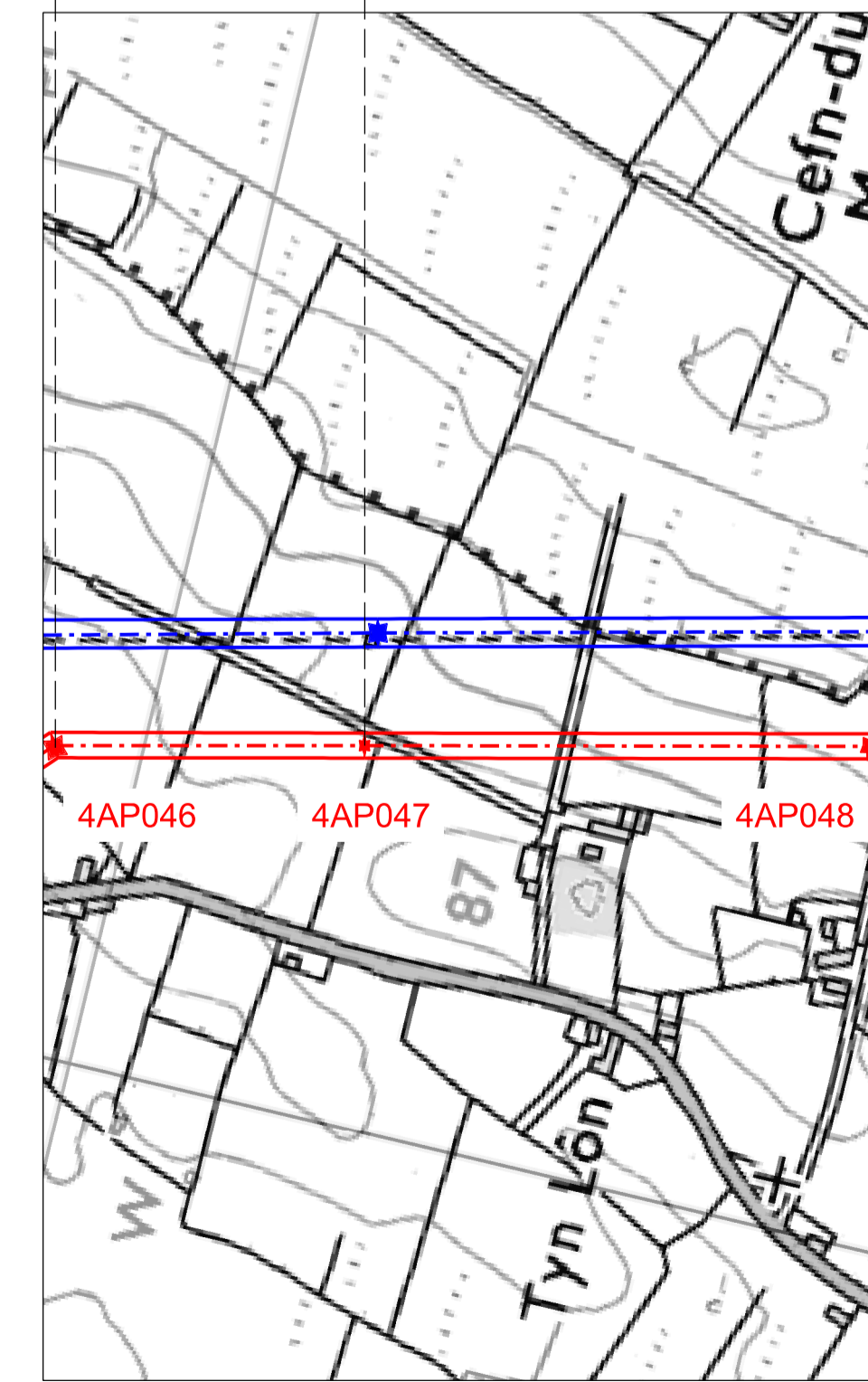
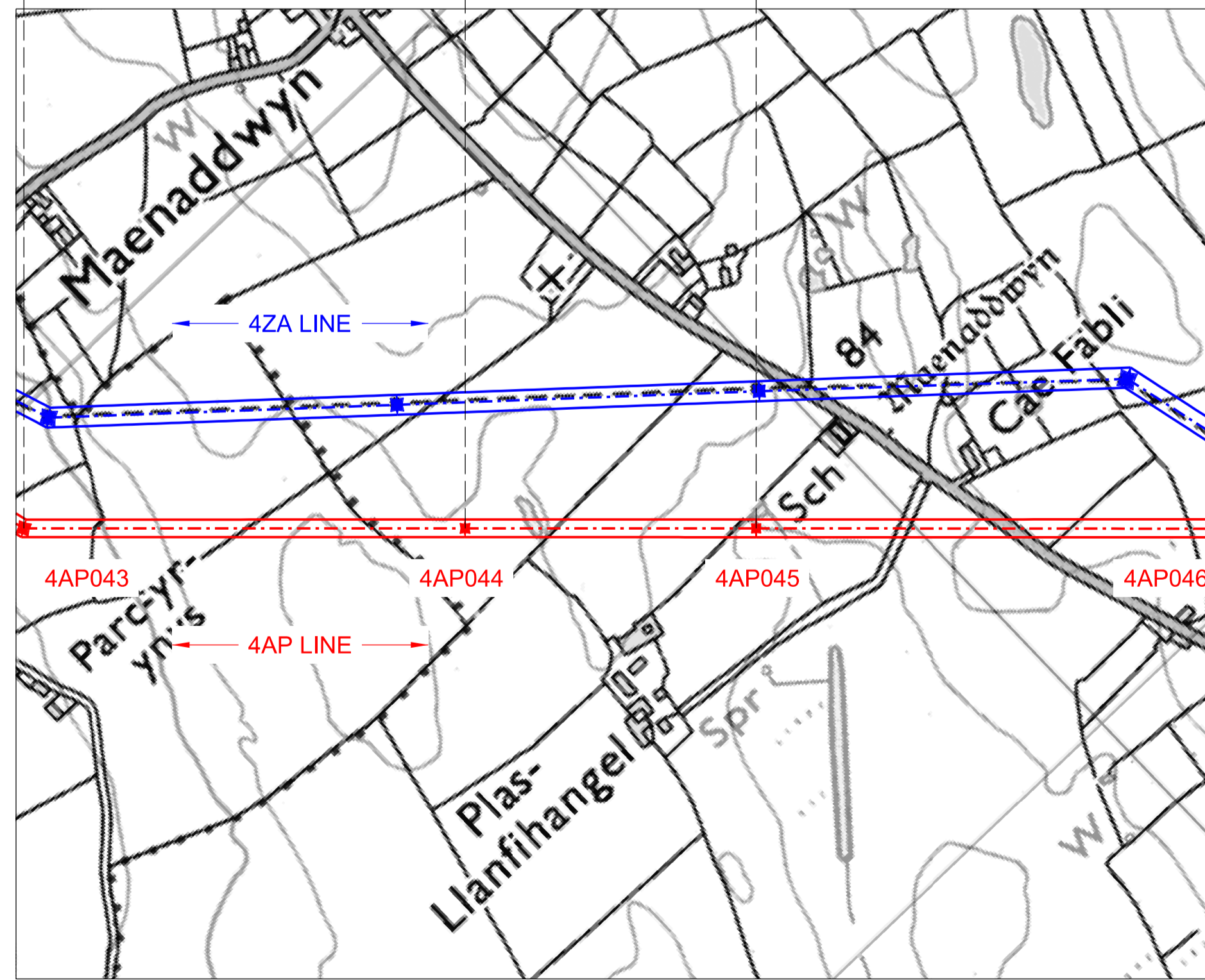
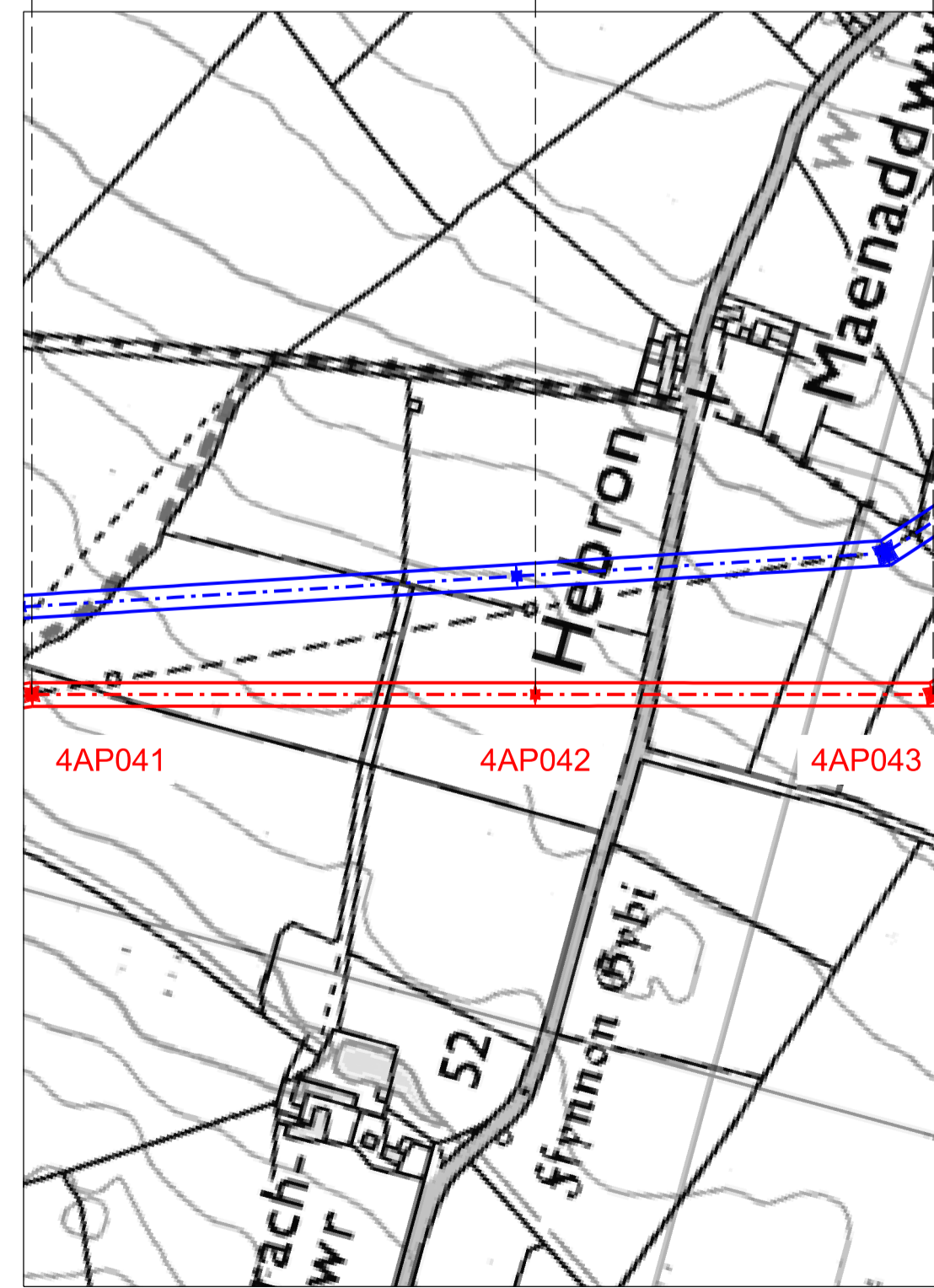
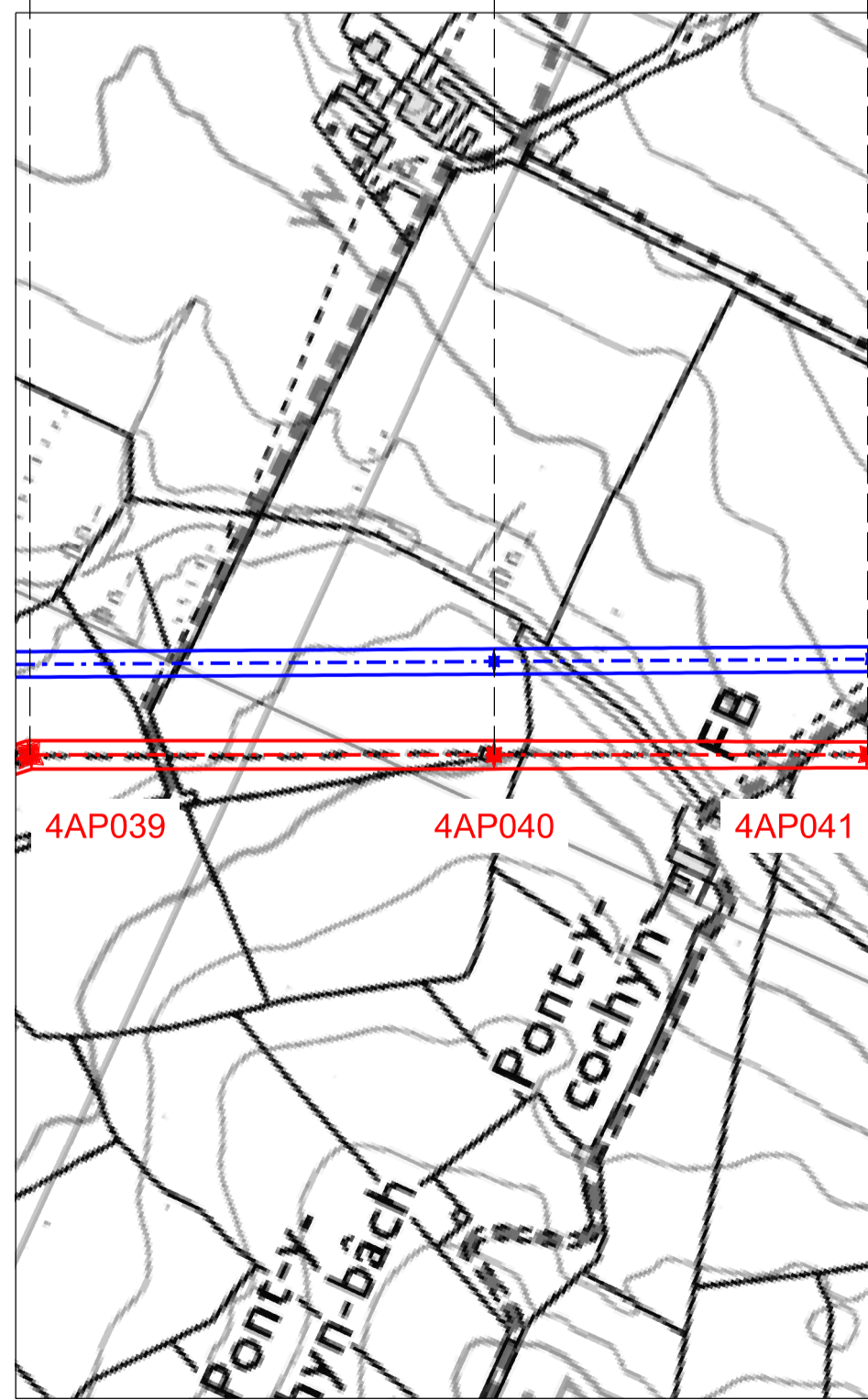
SITE MAP / MAP O'R SAFLE



Legend / Allwedd

Notes / Nodiadau

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| A | | FOR DCO SUBMISSION | JN | MF | RP |

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 DESIGN PLAN:
 INDICATIVE OVERHEAD LINE PROFILES
 4AP OPTION A
 REGULATION 5(2)(o)
 SHEET 6 OF 12

GORCHYMYN NATIONAL GRID (PROSIECT CYSYLLTIAD GOGLEDD CYMRU)
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nationalgrid

Application Number / Rhif y Cais
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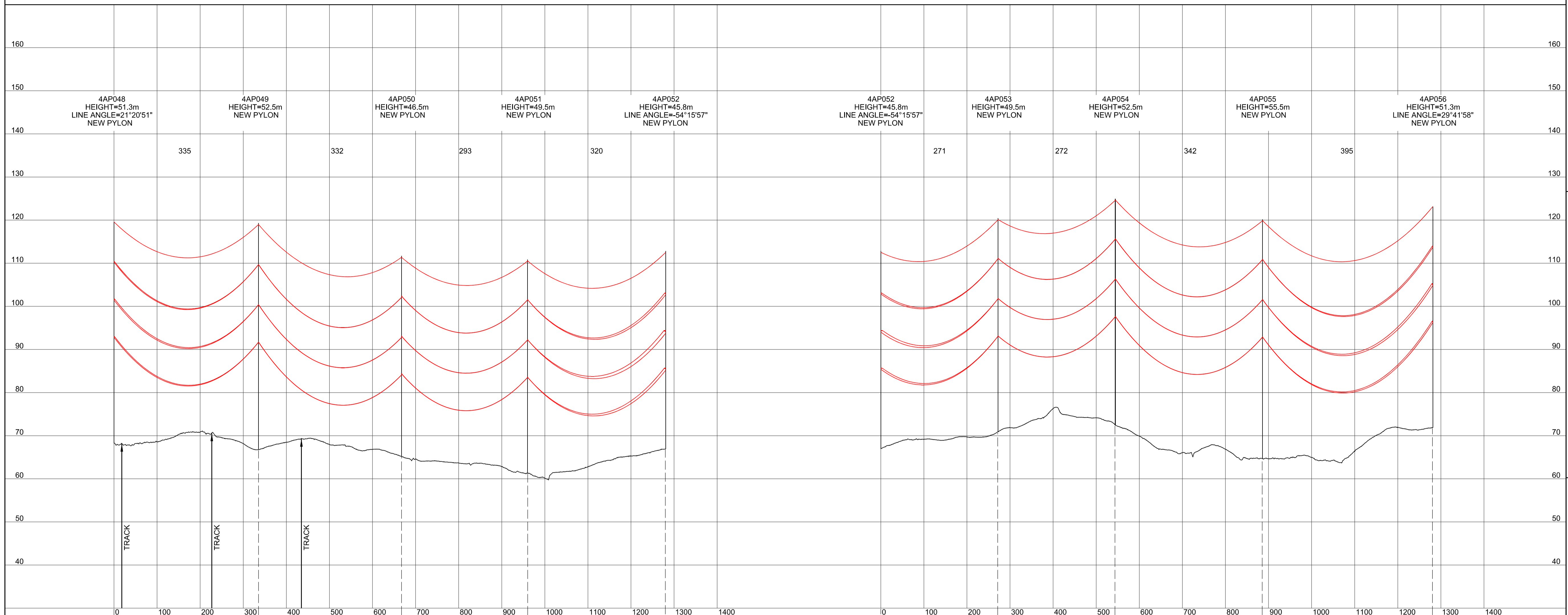
National Grid Drawing Reference / Cylfeirnod Lluniad National Grid
 DCO_DE/PS/03_06

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| Hz = 1:5000 Vert = 1:2500 | A1 | SHEET 6 of 12 | A |

THE NATIONAL GRID (NORTH WALES CONNECTION PROJECT) ORDER
 DESIGN PLAN: INDICATIVE OVERHEAD LINE PROFILES 4AP OPTION A
 REGULATION 5(2)(o)
 SHEET 7 OF 12

GORCHYMYN NATIONAL GRID (PROSIECT CYSYLLTIAD GOGLEDD CYMRU)
 CYNLLUN DYLUNIO: DARLUN DANGOSOL O BROFFIL Y LLINELLAU UWCHBEN 4AP OPSIWN A
 RHEOLIAD 5(2)(o)
 DALEN 7 O 12

SITE MAP / MAP O'R SAFLE



Legend / Allwedd

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| Issue / Cyhoeddiad | Date / Dyddiad | Remarks / Sylwadau | Drawn / Tynwyd | Checked / Gwirio | Approved / Cymeroddiad |
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| A | | FOR DCO SUBMISSION | JN | MF | RP |

Title / Teitl
 THE NATIONAL GRID (NORTH WALES CONNECTION PROJECT) ORDER
 DESIGN PLAN:
 INDICATIVE OVERHEAD LINE PROFILES
 4AP OPTION A
 REGULATION 5(2)(o)
 SHEET 7 OF 12

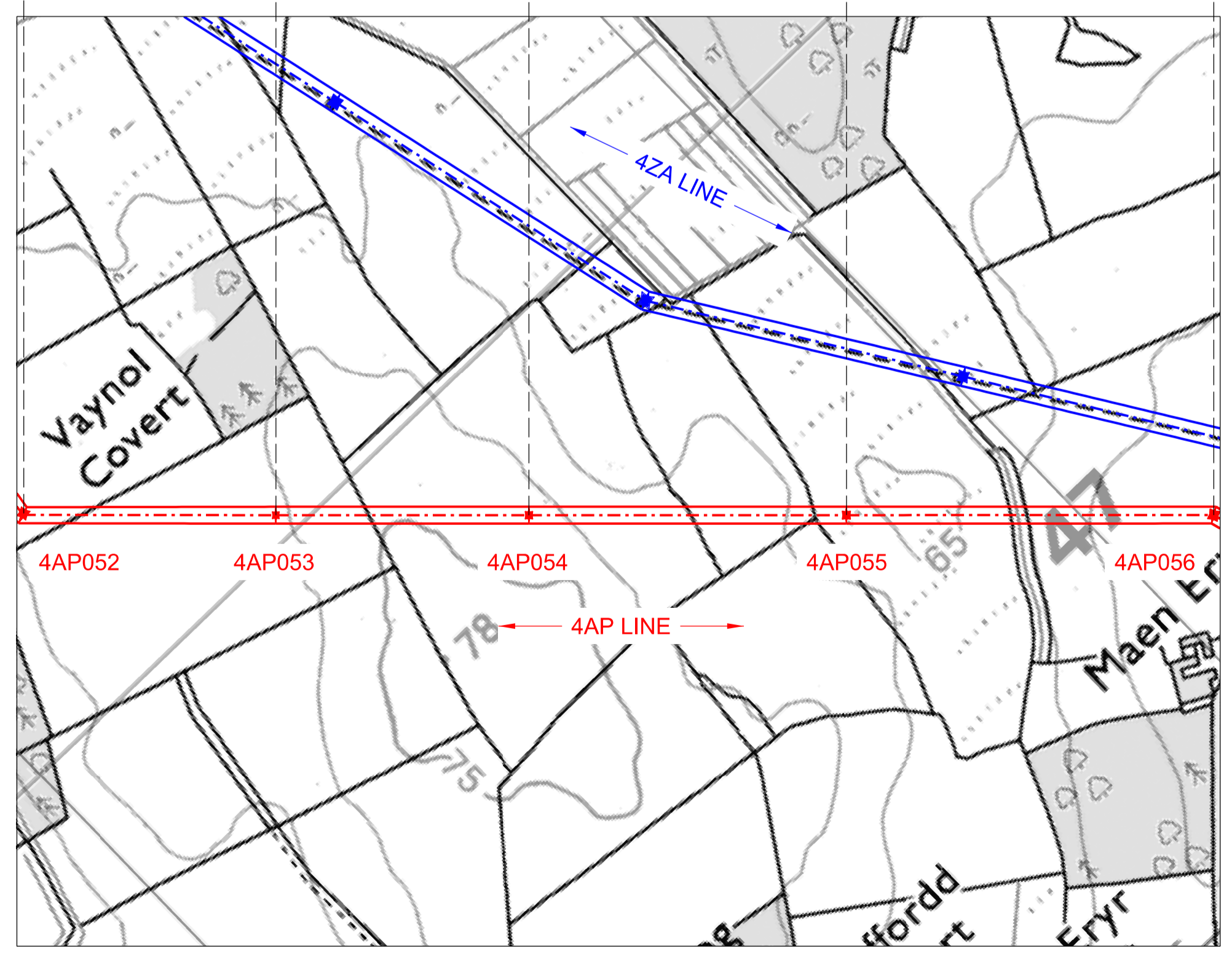
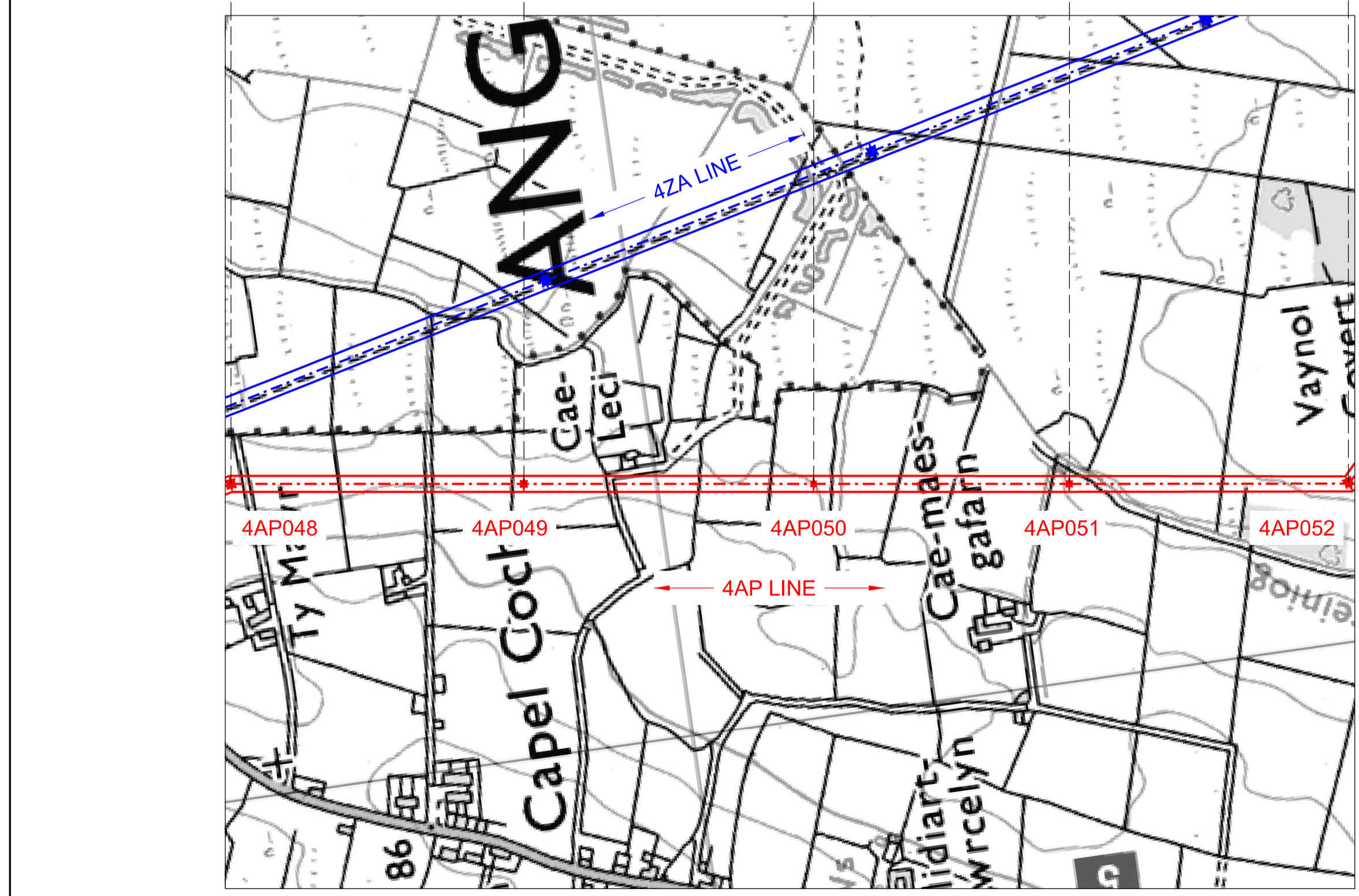
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 CYNLLUN DYLUNIO:
 DARLUN DANGOSOL O BROFFIL Y LLINELLAU
 UWCHBEN 4AP OPSIWN A
 RHEOLIAD 5(2)(o)
 DALEN 7 O 12



Application Number / Rhif y Cais
 EN020015

National Grid Drawing Reference / Cylfeirnod Luniad National Grid
 DCO_DE/PS/03_07

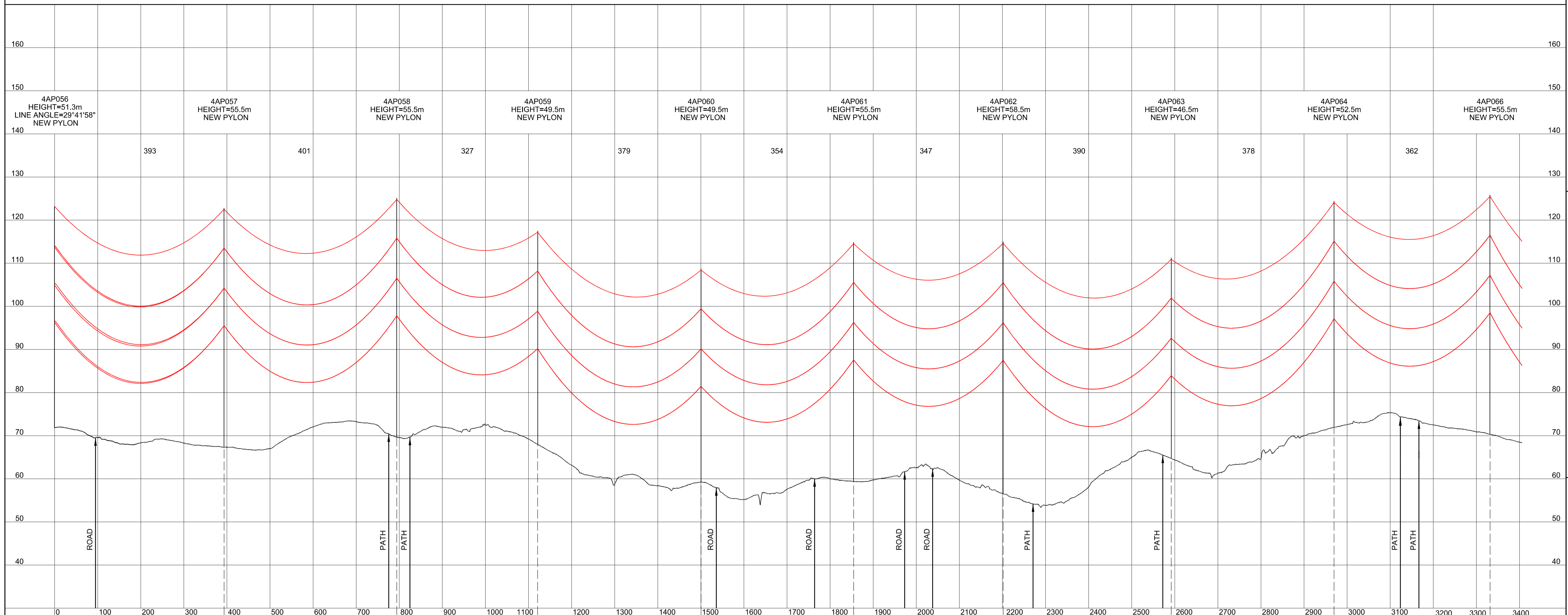
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THE NATIONAL GRID (NORTH WALES CONNECTION PROJECT) ORDER
 DESIGN PLAN: INDICATIVE OVERHEAD LINE PROFILES 4AP OPTION A
 REGULATION 5(2)(o)
 SHEET 8 OF 12

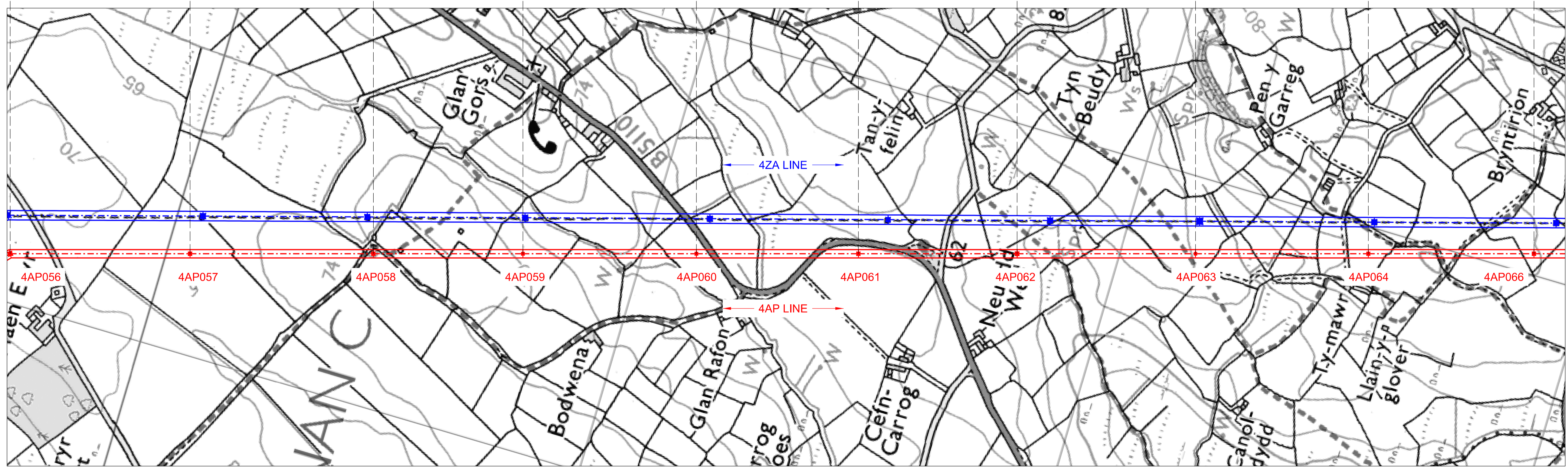
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 RHEOLIAD 5(2)(o)
 DALEN 8 O 12

SITE MAP / MAP O'R SAFLE



Legend / Allwedd

- Notes / Nodiadau
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 2. TO BE READ IN CONJUNCTION WITH - DRAWING NUMBER DCO_DE/PS/02_01.
 3. ALL DIMENSIONS ARE IN METRES.
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 THE NATIONAL GRID (NORTH WALES CONNECTION PROJECT) ORDER
 DESIGN PLAN:
 INDICATIVE OVERHEAD LINE PROFILES
 4AP OPTION A
 REGULATION 5(2)(o)
 SHEET 8 OF 12

GORCHYMYN NATIONAL GRID (PROSIECT CYSYLLTIAD GOGLEDD CYMRU)
 CYNLLUN DYLLUNIO:
 DARLUN DANGOSOL O BROFFIL Y LLINELLAU UWCHBEN 4AP OPSIWN A
 RHEOLIAD 5(2)(o)
 DALEN 8 O 12



Application Number / Rhif y Cais
 EN020015

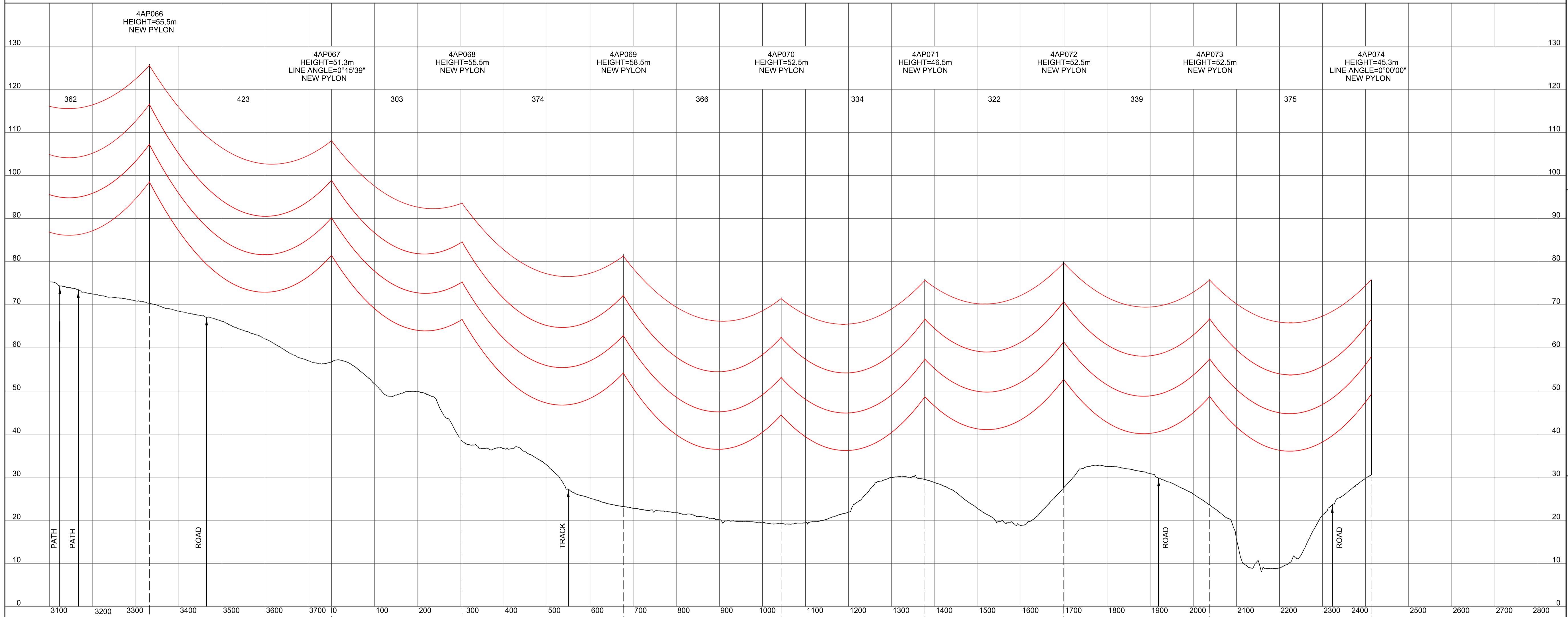
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 DCO_DE/PS/03_08

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| Hz = 1:5000 Vert = 1:500 | A1 | SHEET 8 of 12 | A |

THE NATIONAL GRID (NORTH WALES CONNECTION PROJECT) ORDER
 DESIGN PLAN: INDICATIVE OVERHEAD LINE PROFILES 4AP OPTION A
 REGULATION 5(2)(o)
 SHEET 9 OF 12

GORCHYMYN NATIONAL GRID (PROSIECT CYSYLLTIAD GOGLEDD CYMRU)
 CYNLLUN DYLUNIO: DARLUN DANGOSOL O BROFFIL Y LLINELLAU UWCHBEN 4AP OPSIWN A
 RHEOLIAD 5(2)(o)
 DALEN 9 O 12

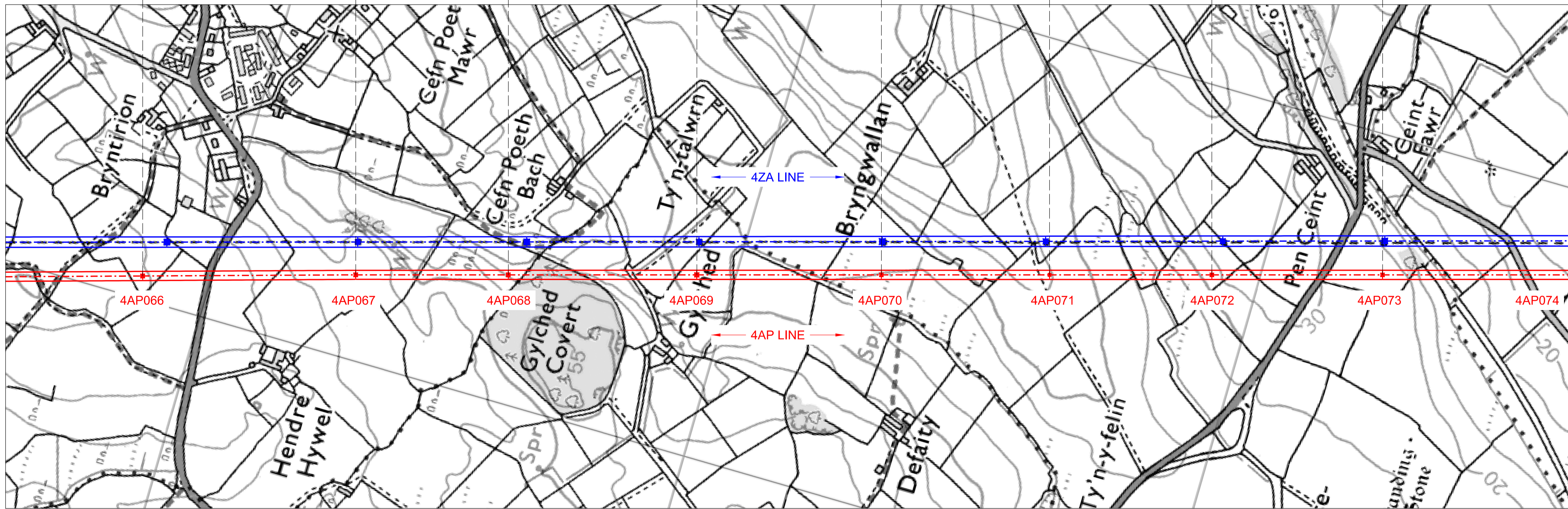
SITE MAP / MAP O'R SAFLE



Legend / Allwedd

Notes / Nodiadau

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|------------------|----------------|--------------------|----------------|---------------------|---------------------|
| A | | FOR DCO SUBMISSION | JN | MF | RP |

Title / Teitl
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 (NORTH WALES CONNECTION PROJECT) ORDER
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 INDICATIVE OVERHEAD LINE PROFILES
 4AP OPTION A
 REGULATION 5(2)(o)
 SHEET 9 OF 12

GORCHYMYN NATIONAL GRID
 (PROSIECT CYSYLLTIAD GOGLEDD CYMRU)
 CYNLLUN DYLUNIO:
 DARLUN DANGOSOL O BROFFIL Y LLINELLAU
 UWCHBEN 4AP OPSIWN A
 RHEOLIAD 5(2)(o)
 DALEN 9 O 12



Application Number / Rhif y Cais
 EN020015

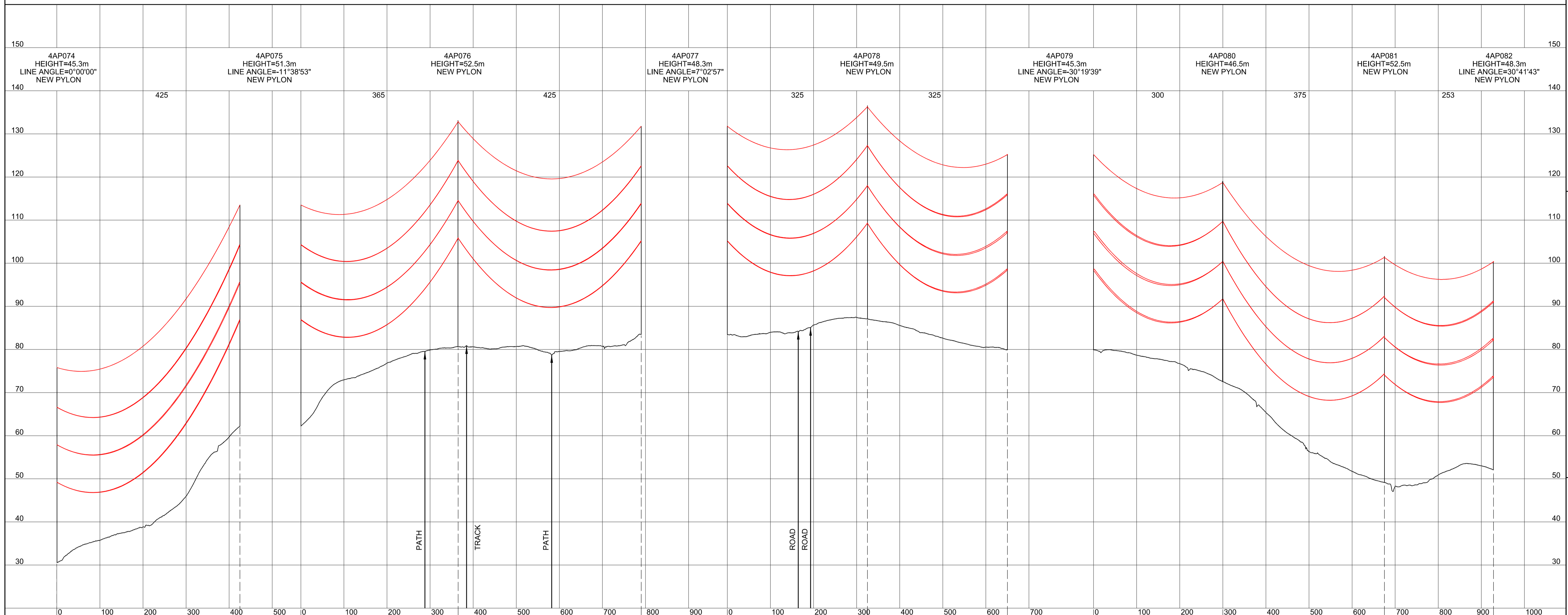
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| Hz = 1:5000 Vort = 1:5000 | A1 | SHEET 9 of 12 | A |

THE NATIONAL GRID (NORTH WALES CONNECTION PROJECT) ORDER
 DESIGN PLAN: INDICATIVE OVERHEAD LINE PROFILES 4AP OPTION A
 REGULATION 5(2)(o)
 SHEET 10 OF 12

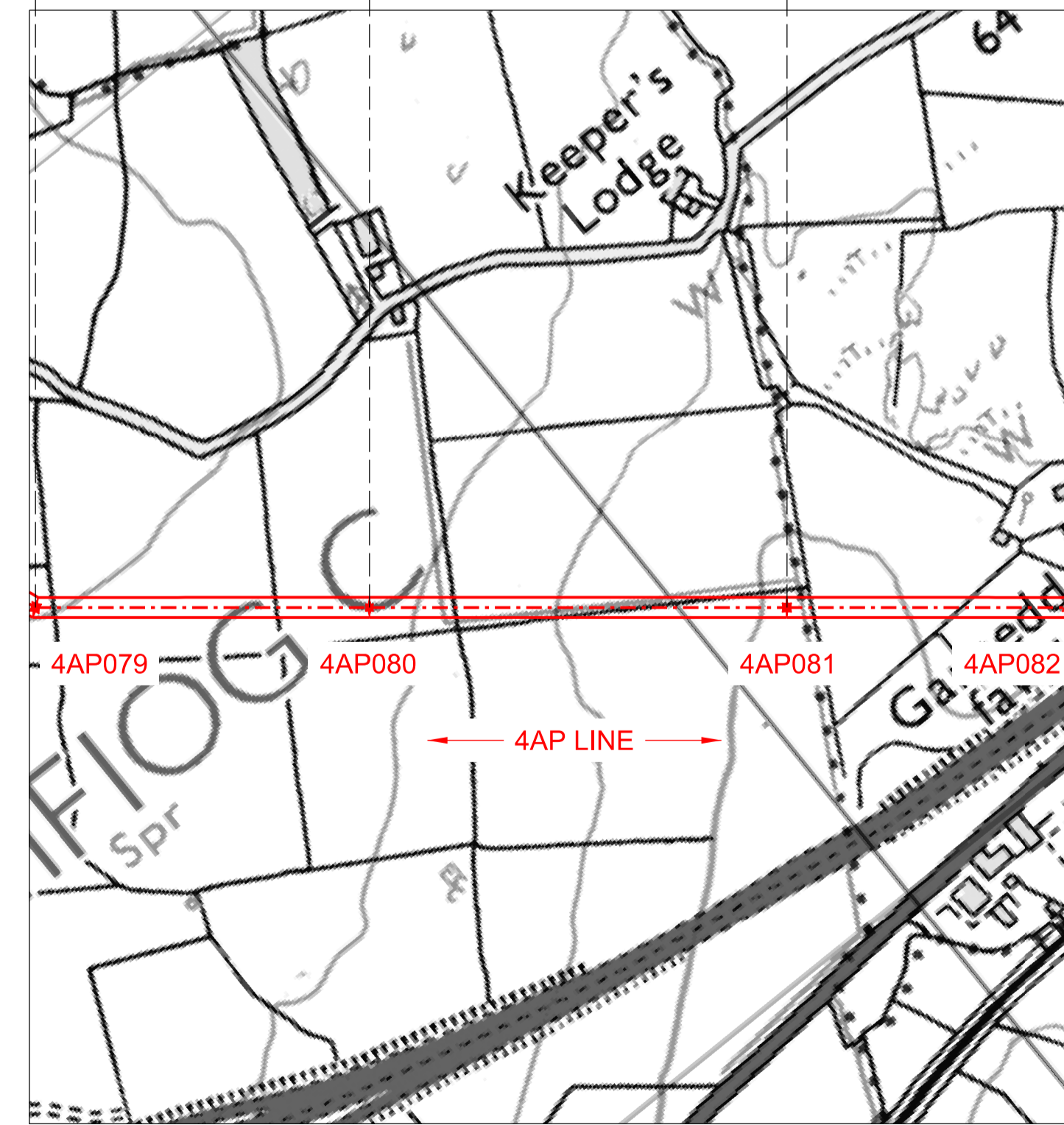
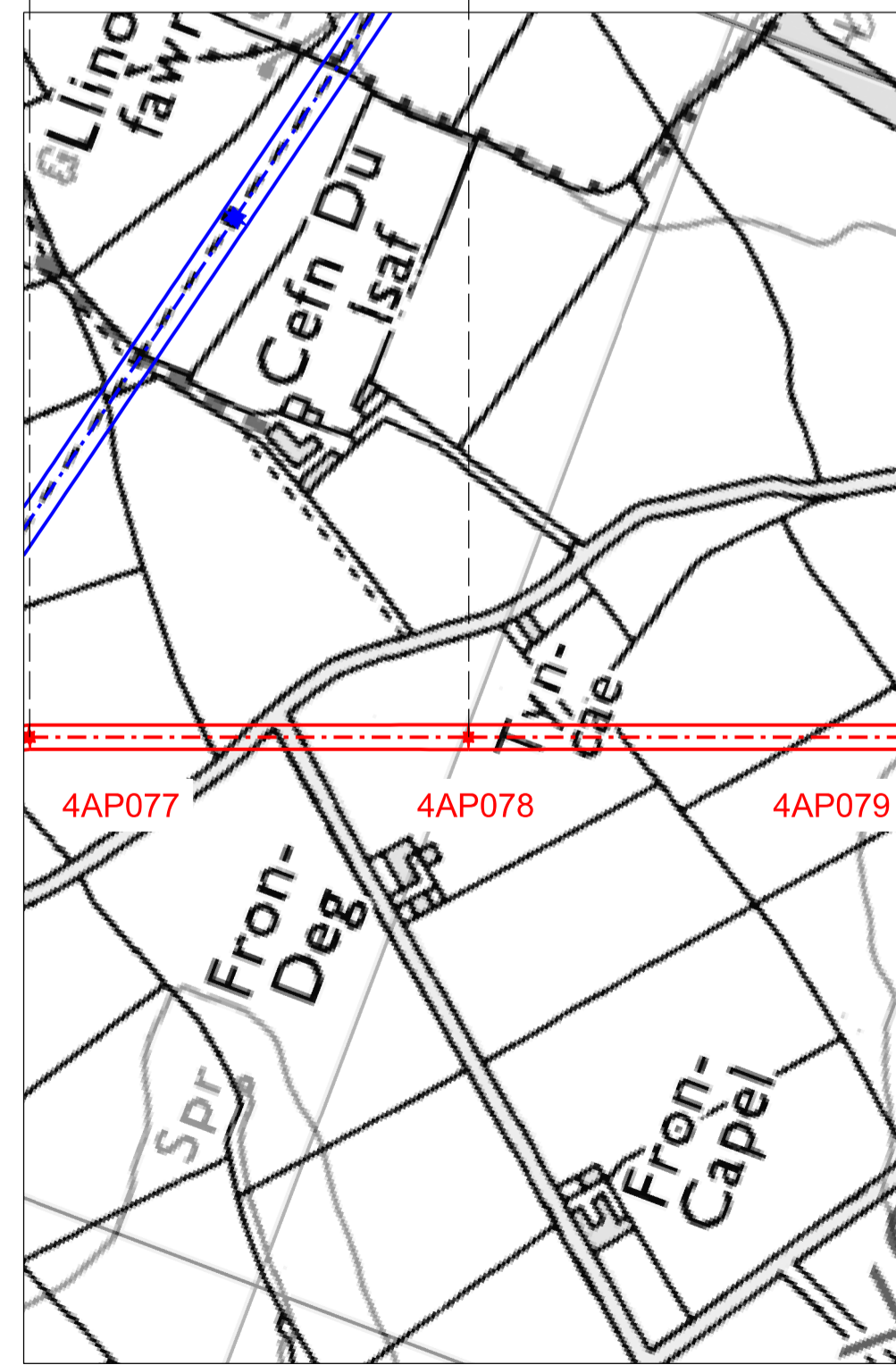
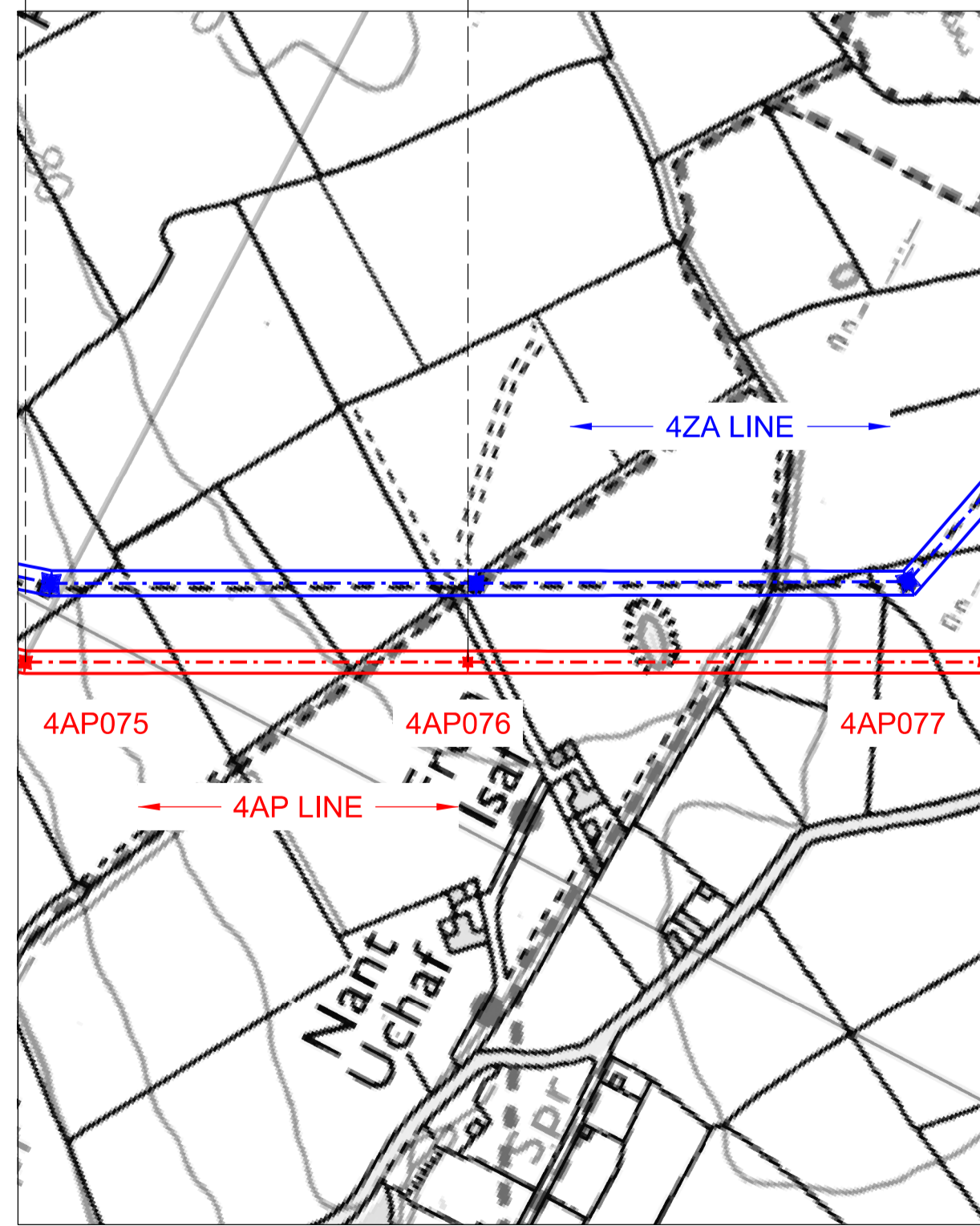
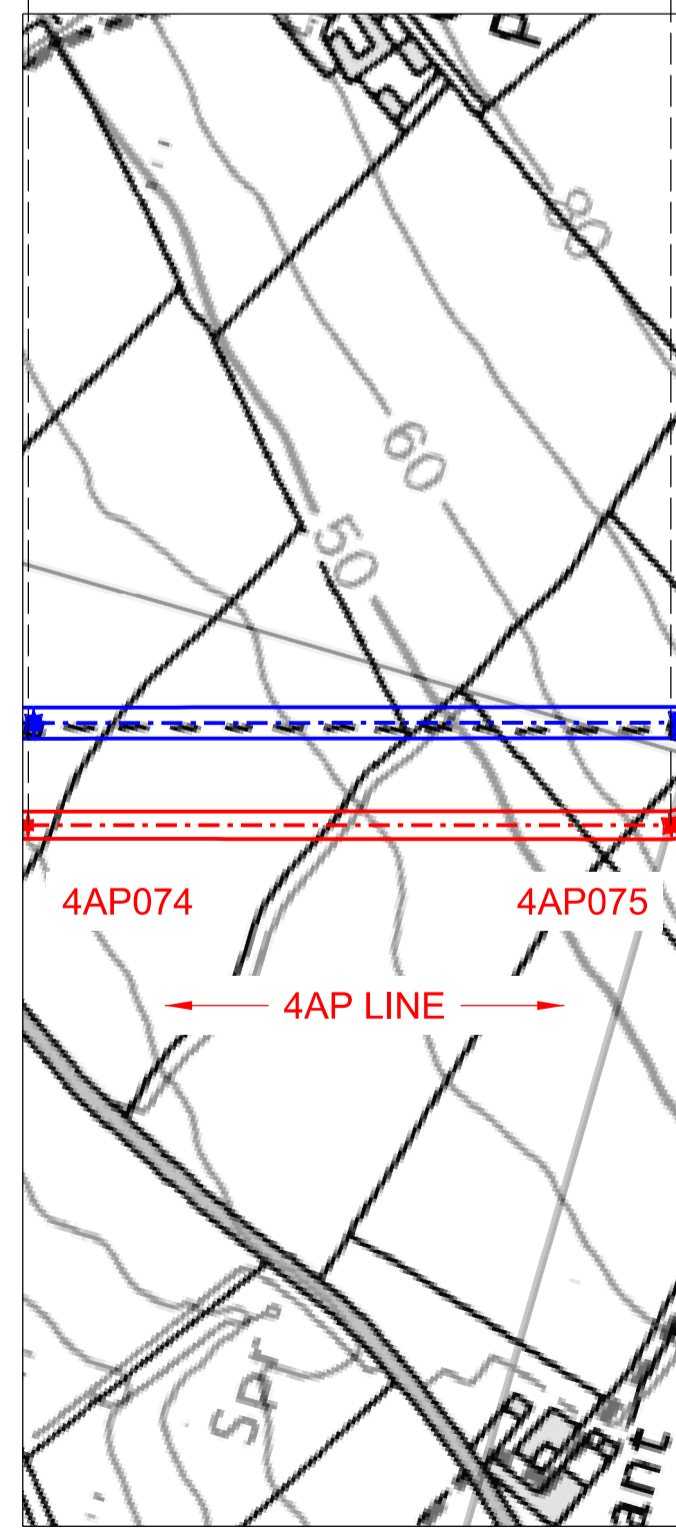
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 CYNLLUN DYLUNIO: DARLUN DANGOSOL O BROFFIL Y LLINELLAU UWCHBEN 4AP OPSIWN A
 RHEOLIAD 5(2)(o)
 DALEN 10 O 12

SITE MAP / MAP O'R SAFLE



Legend / Allwedd

- Notes / Nodiadau
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| Issue / Cychoddiad | Date / Dyddiad | Remarks / Sylweddau | Drawn / Tynnwyd | Checked / Gwirio | Approved / Cymeroddwyd |
|--------------------|----------------|---------------------|-----------------|------------------|------------------------|
| A | | FOR DCO SUBMISSION | JN | MF | RP |

Title / Teitl
 THE NATIONAL GRID (NORTH WALES CONNECTION PROJECT) ORDER
 DESIGN PLAN:
 INDICATIVE OVERHEAD LINE PROFILES
 4AP OPTION A
 REGULATION 5(2)(o)
 SHEET 10 OF 12

GORCHYMYN NATIONAL GRID (PROSIECT CYSYLLTIAD GOGLEDD CYMRU)
 CYNLLUN DYLUNIO:
 DARLUN DANGOSOL O BROFFIL Y LLINELLAU UWCHBEN 4AP OPSIWN A
 RHEOLIAD 5(2)(o)
 DALEN 10 O 12

nationalgrid

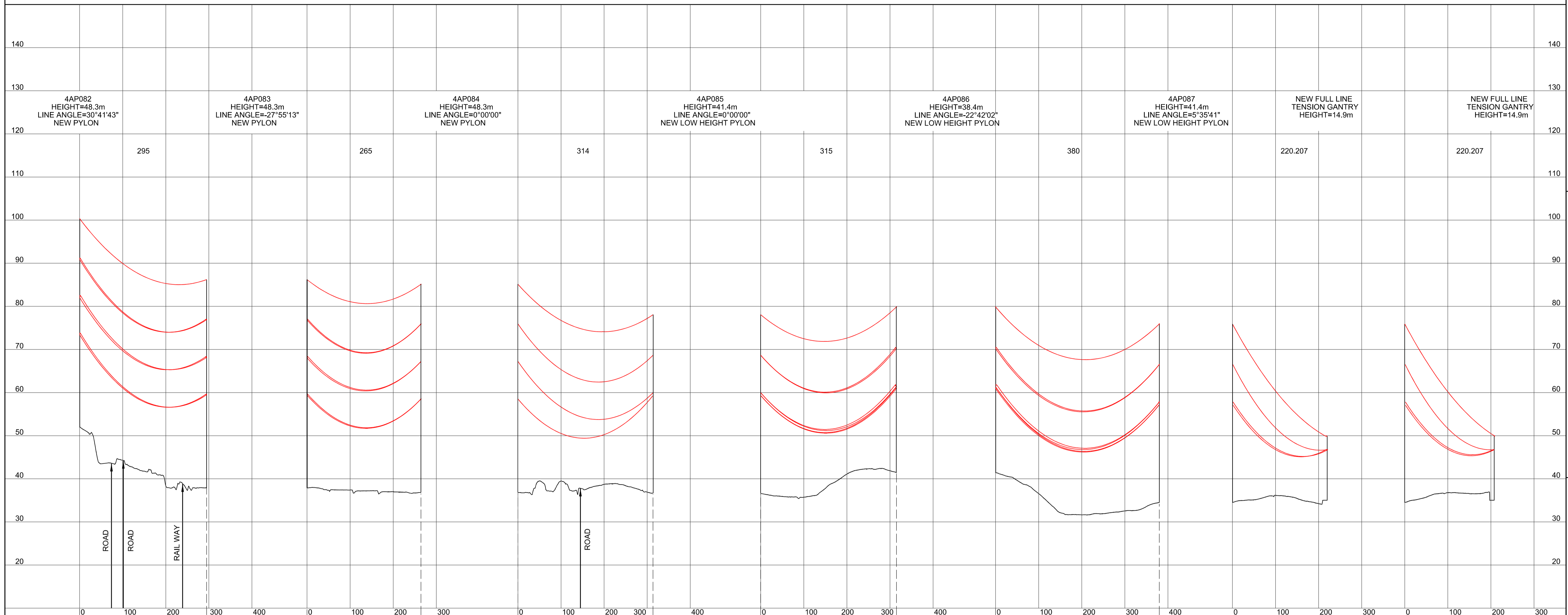
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| Hz = 1:5000 Vert = 1:500 | A1 | SHEET 10 of 12 | A |

THE NATIONAL GRID (NORTH WALES CONNECTION PROJECT) ORDER
 DESIGN PLAN: INDICATIVE OVERHEAD LINE PROFILES 4AP OPTION A
 REGULATION 5(2)(o)
 SHEET 11 OF 12

GORCHYMYN NATIONAL GRID (PROSIECT CYSYLLTIAD GOGLEDD CYMRU)
 CYNLLUN DYLUNIO: DARLUN DANGOSOL O BROFFIL Y LLINELLAU UWCHBEN 4AP OPSIWN A
 RHEOLIAD 5(2)(o)
 DALEN 11 O 12

SITE MAP / MAP O'R SAFLE

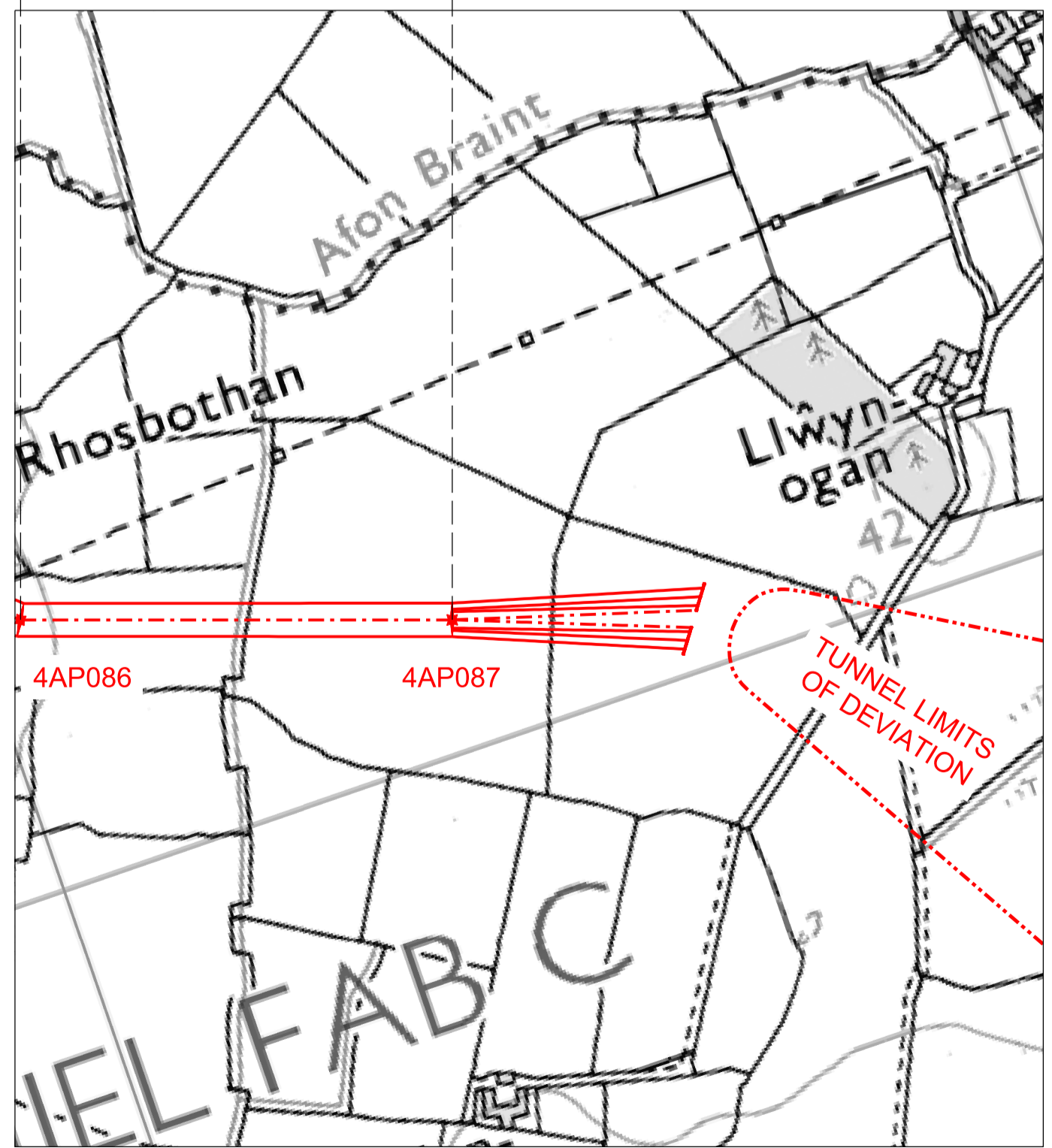
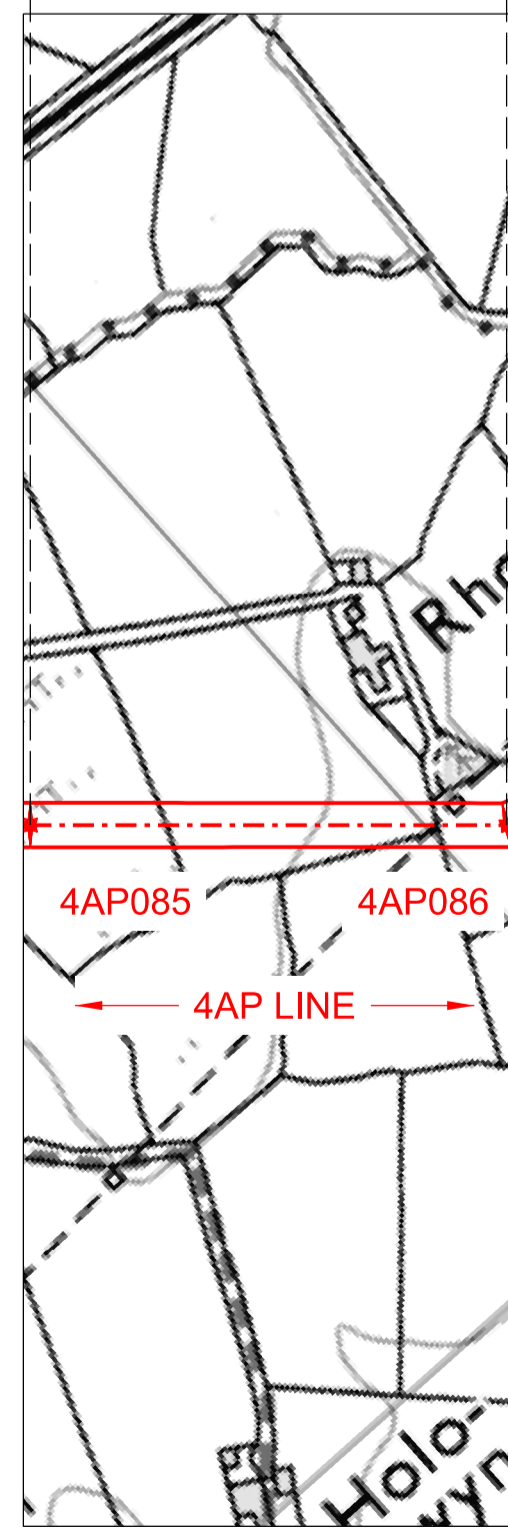
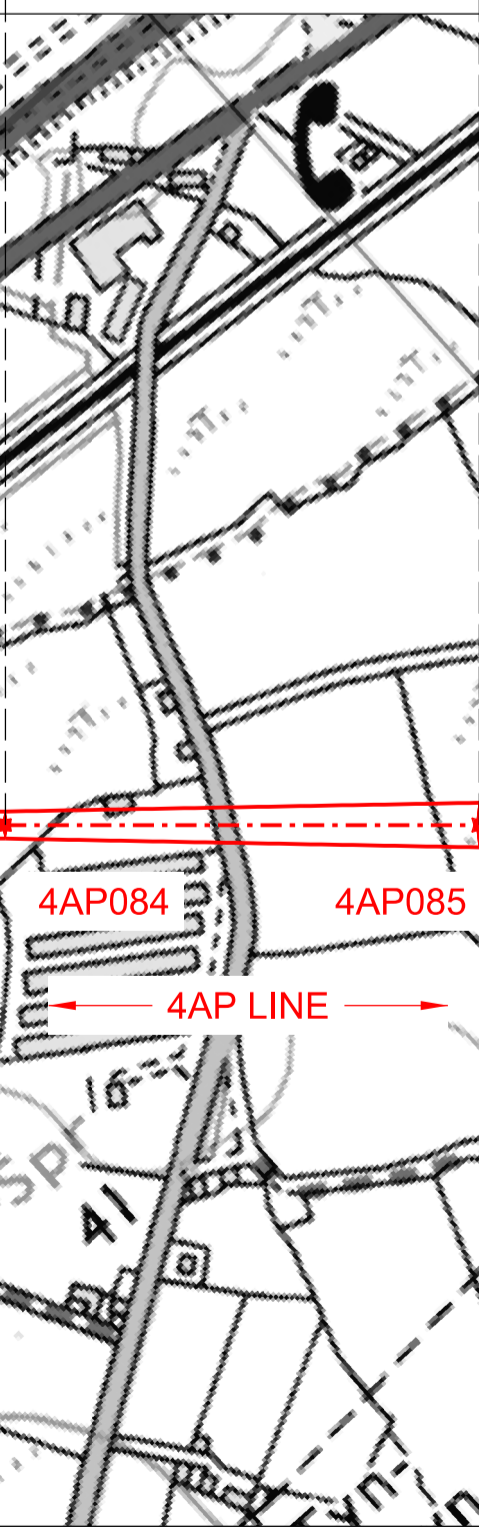
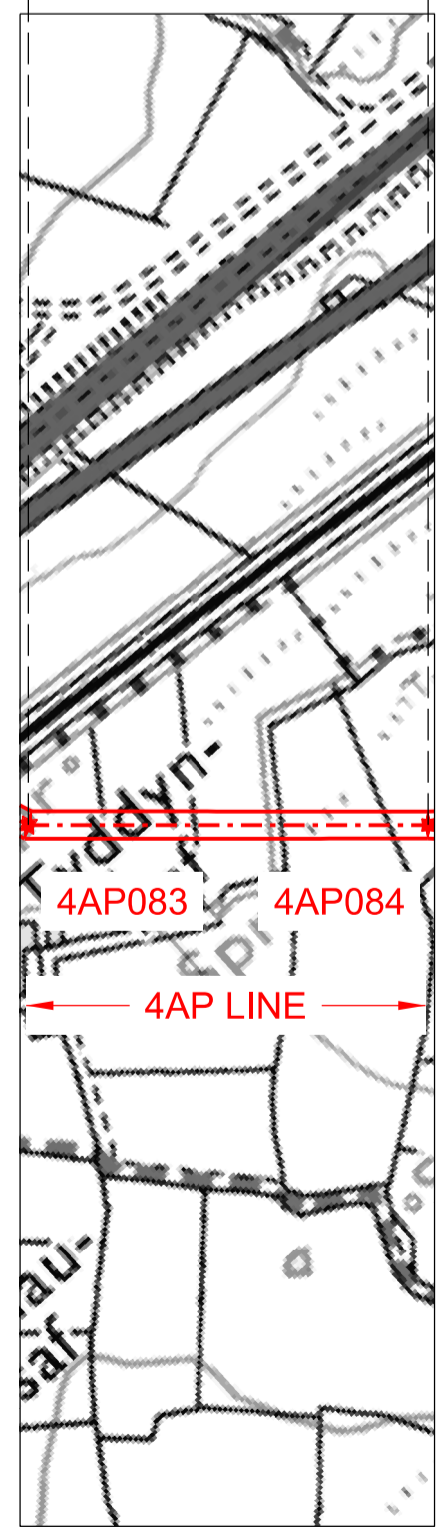
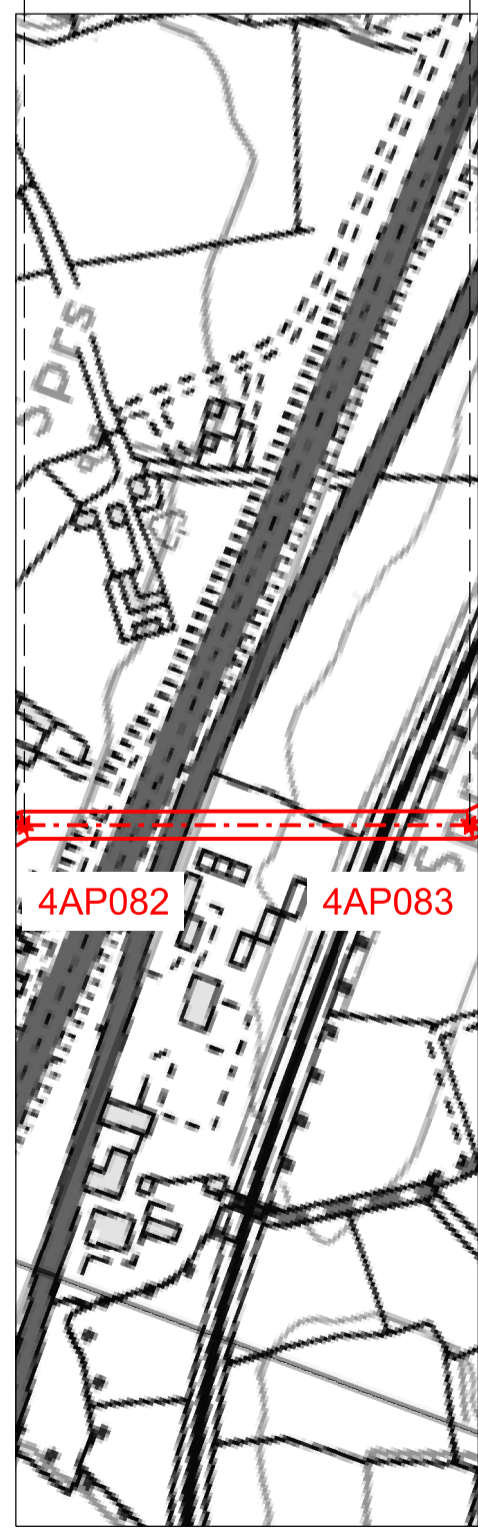


Legend / Allwedd

Notes / Nodiadau

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| Issue / Cyhoeddiad | Date / Dyddiad | Remarks / Sgrawbeiriau | Drawn / Tynnydd | Checked / Gwirio | Approved / Cymercheddwyd |
|--------------------|----------------|------------------------|-----------------|------------------|--------------------------|
| A | | FOR DCO SUBMISSION | JN | MF | RP |

Title / Teitl
 THE NATIONAL GRID
 (NORTH WALES CONNECTION PROJECT) ORDER
 DESIGN PLAN:
 INDICATIVE OVERHEAD LINE PROFILES
 4AP OPTION A
 REGULATION 5(2)(o)
 SHEET 11 OF 12

GORCHYMYN NATIONAL GRID
 (PROSIECT CYSYLLTIAD GOGLEDD CYMRU)
 CYNLLUN DYLUNIO:
 DARLUN DANGOSOL O BROFFIL Y LLINELLAU
 UWCHBEN 4AP OPSIWN A
 RHEOLIAD 5(2)(o)
 DALEN 11 O 12

nationalgrid

Application Number / Rhif y Cais
 EN020015

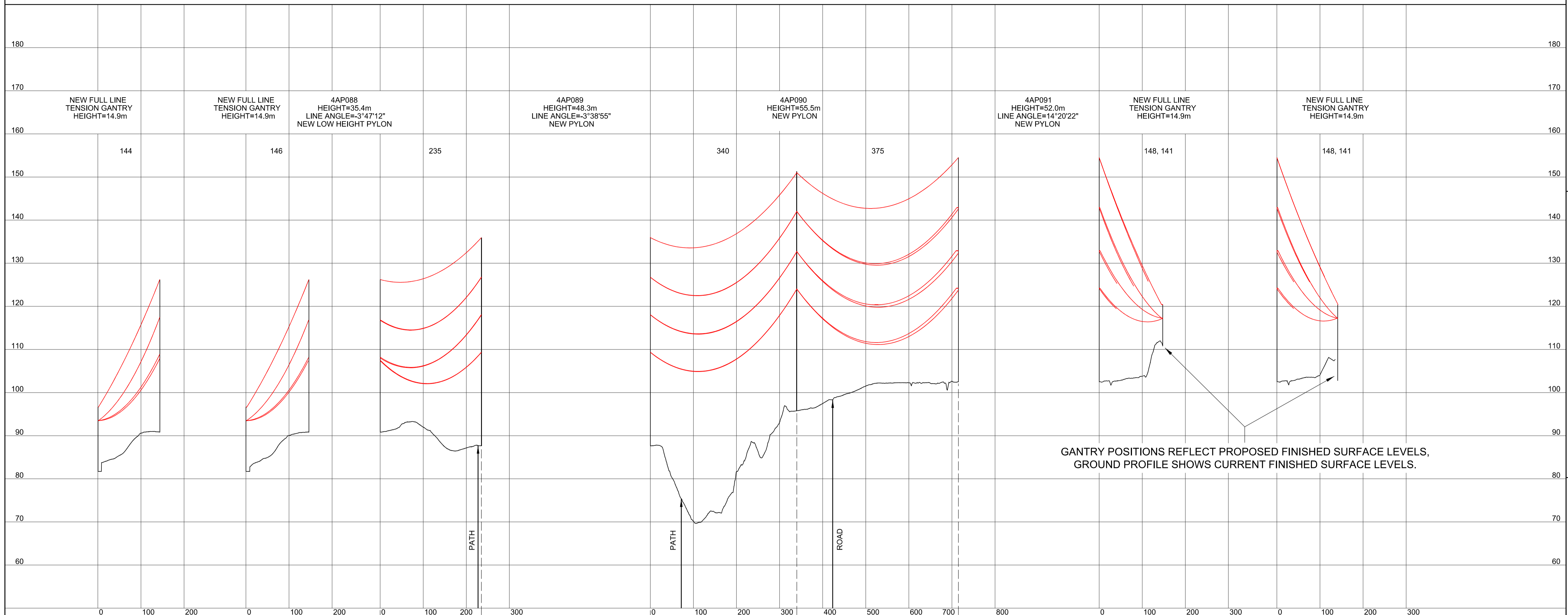
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|------------------------------|-----------------------------------|----------------|--------------------|
| Hz = 1:5000 Vort = 1:5000 | A1 | SHEET 11 of 12 | A |

THE NATIONAL GRID (NORTH WALES CONNECTION PROJECT) ORDER
 DESIGN PLAN: INDICATIVE OVERHEAD LINE PROFILES 4AP OPTION A
 REGULATION 5(2)(o)
 SHEET 12 OF 12

GORCHYMYN NATIONAL GRID (PROSIECT CYSYLLTIAD GOGLEDD CYMRU)
 CYNLLUN DYLLUNIO: DARLUN DANGOSOL O BROFFIL Y LLINELLAU UWCHBEN 4AP OPSIWN A
 RHEOLIAD 5(2)(o)
 DALEN 12 O 12

SITE MAP / MAP O'R SAFLE

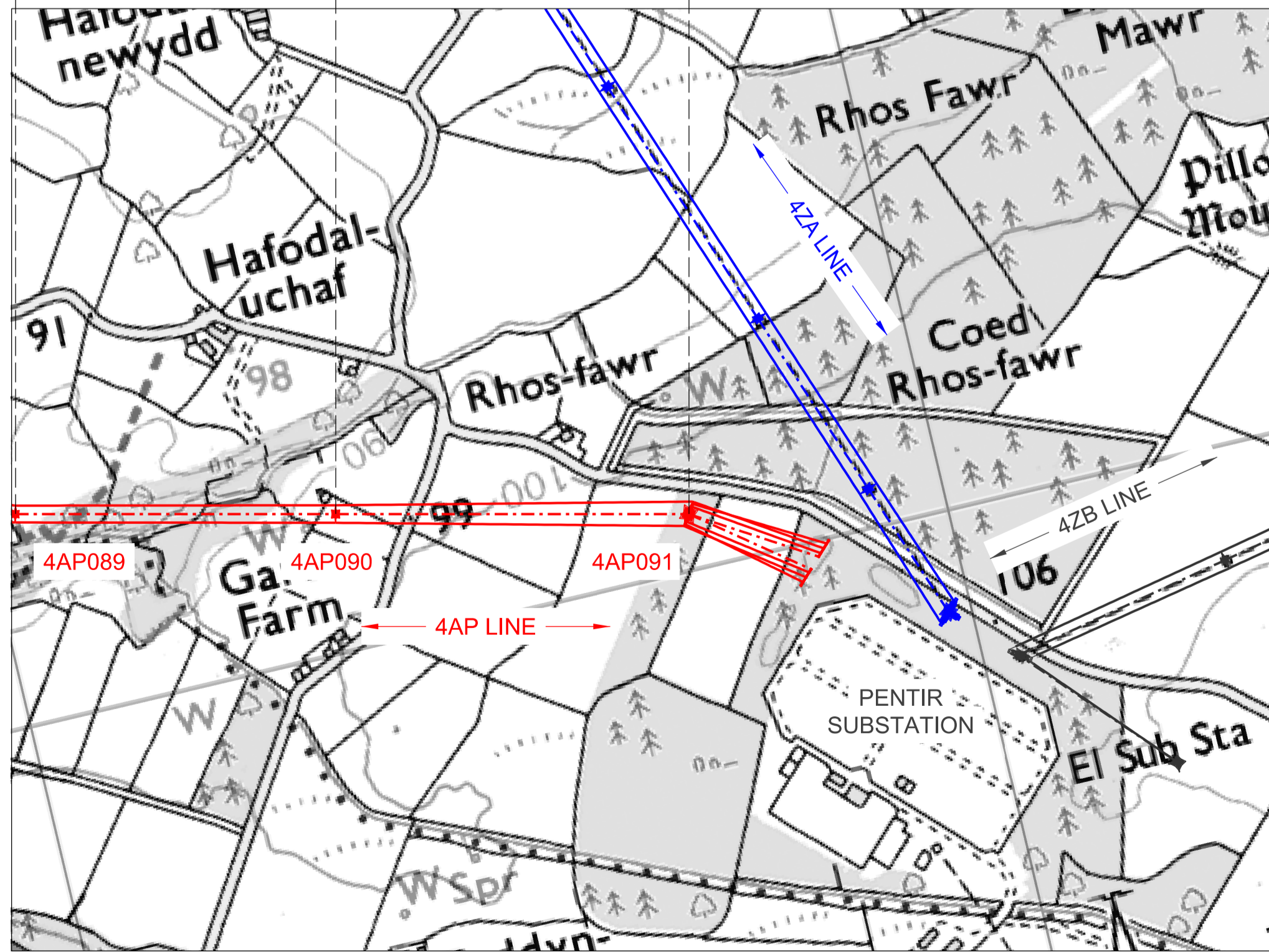
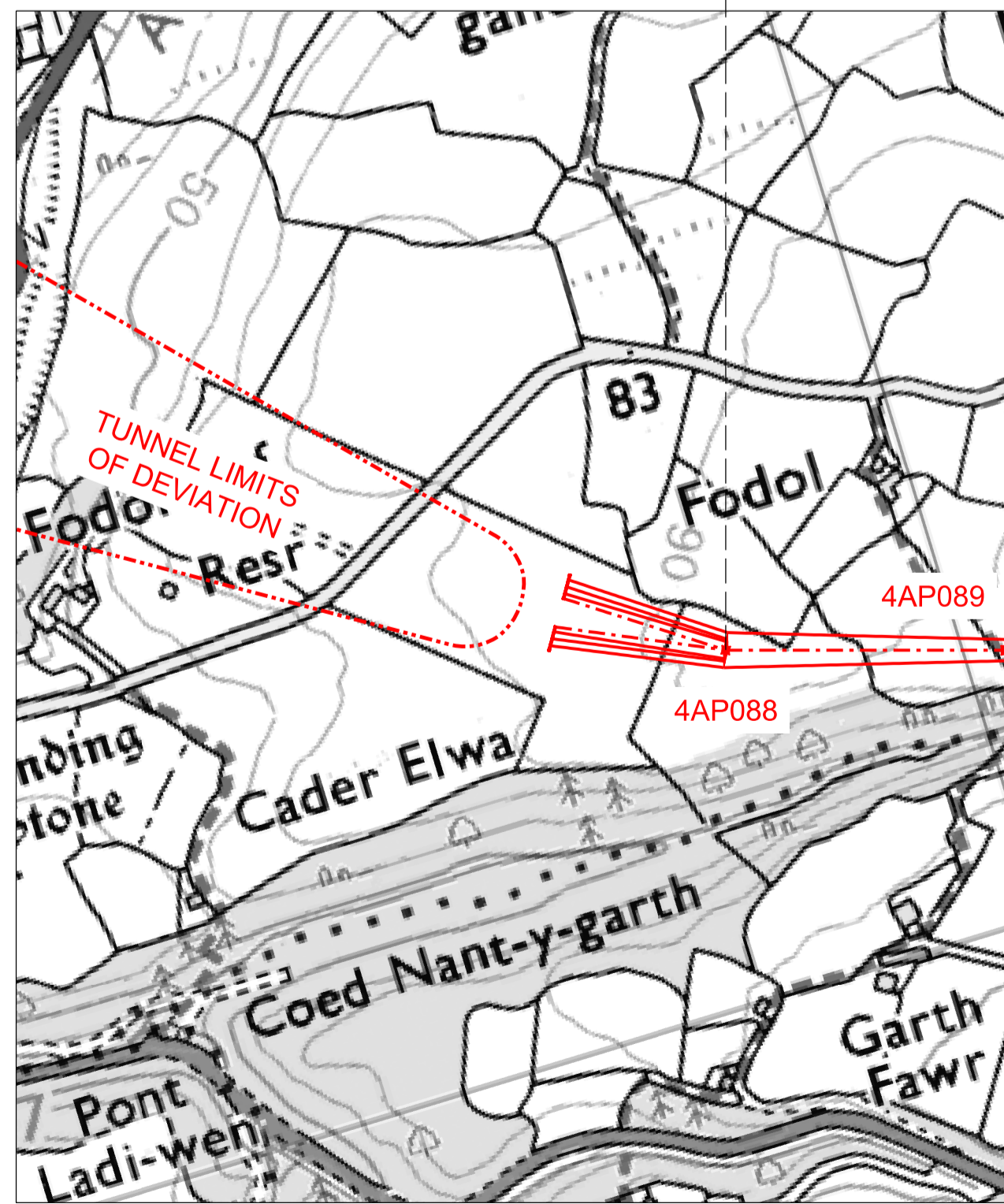


Legend / Allwedd

Notes / Nodiadau

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| A | | FOR DCO SUBMISSION | JN | MF | RP |

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 DESIGN PLAN:
 INDICATIVE OVERHEAD LINE PROFILES
 4AP OPTION A
 REGULATION 5(2)(o)
 SHEET 12 OF 12

GORCHYMYN NATIONAL GRID
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 UWCHBEN 4AP OPSIWN A
 RHEOLIAD 5(2)(o)
 DALEN 12 O 12



Application Number / Rhif y Cais
 EN020015

National Grid Drawing Reference / Cylfeirnod Lliniad National Grid
 DCO_DE/PS/03_12

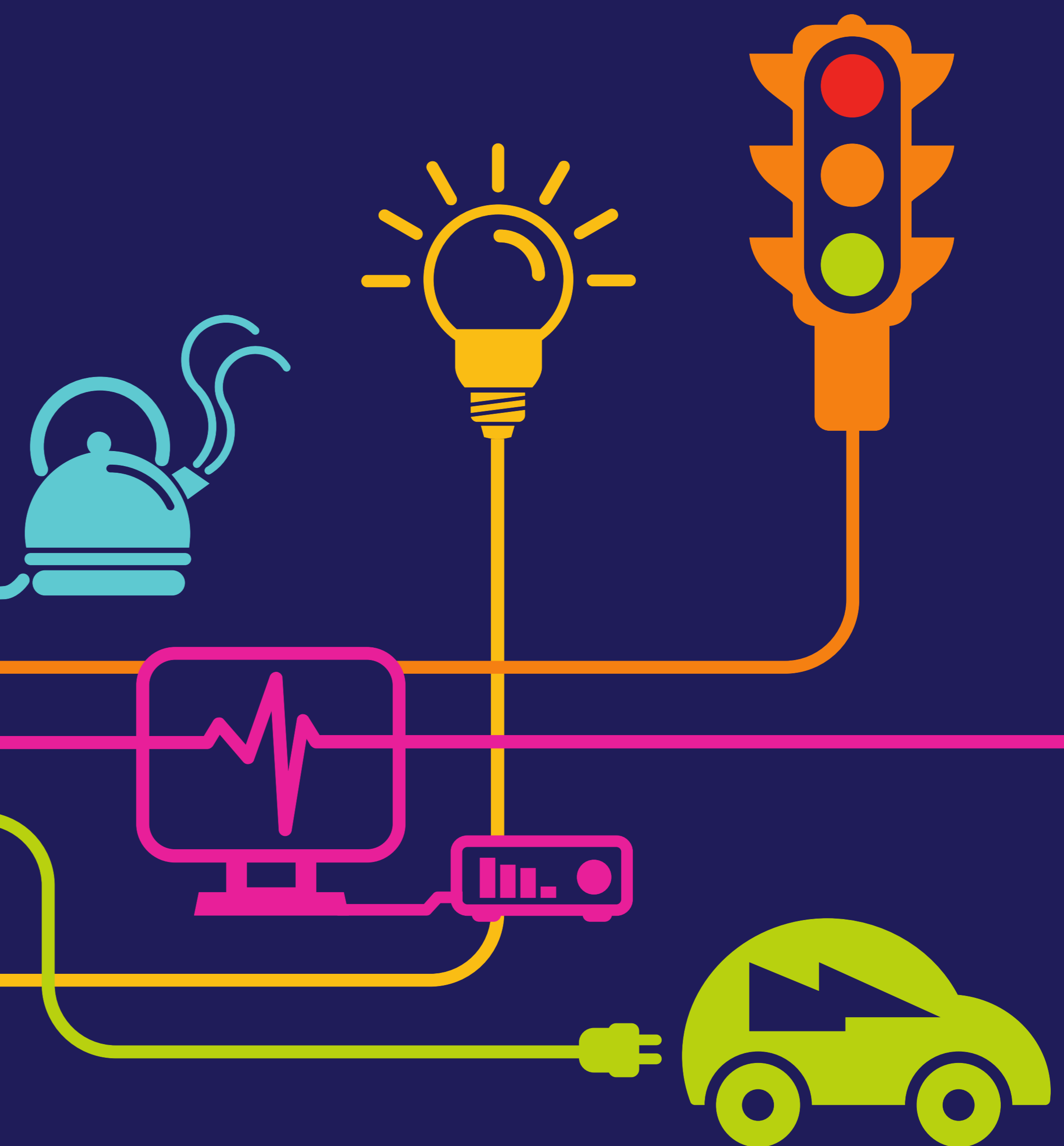
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| Hz = 1:5000 Vert = 1:500 | A1 | SHEET 12 of 12 | A |

Design Drawings – Indicative Overhead Line Profiles 4AP – Option B

National Grid (North Wales Connection Project)

Drawing References DCO_DE/PS/04_01 to DCO_DE/PS/04_12

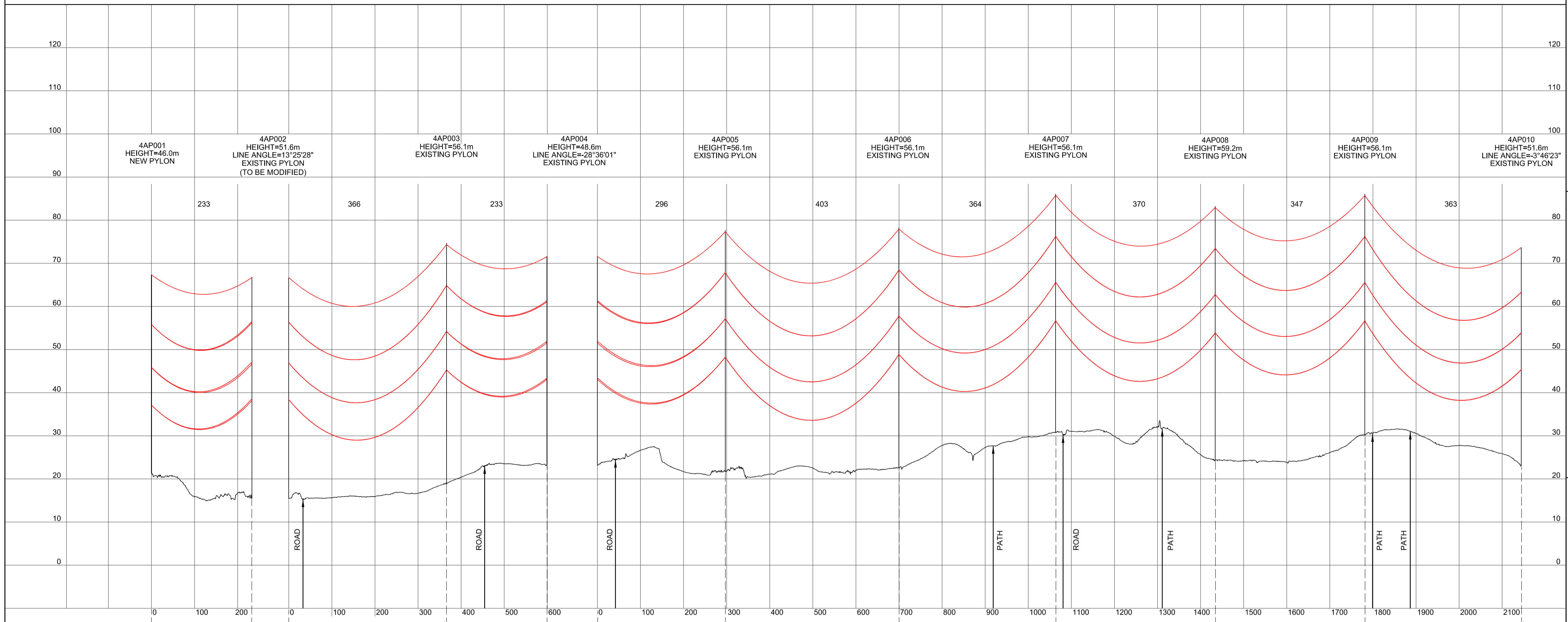
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| 2 of 12 | DESIGN PLAN: INDICATIVE OVERHEAD LINE PROFILES 4AP OPTION B |
| 3 of 12 | DESIGN PLAN: INDICATIVE OVERHEAD LINE PROFILES 4AP OPTION B |
| 4 of 12 | DESIGN PLAN: INDICATIVE OVERHEAD LINE PROFILES 4AP OPTION B |
| 5 of 12 | DESIGN PLAN: INDICATIVE OVERHEAD LINE PROFILES 4AP OPTION B |
| 6 of 12 | DESIGN PLAN: INDICATIVE OVERHEAD LINE PROFILES 4AP OPTION B |
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| 9 of 12 | DESIGN PLAN: INDICATIVE OVERHEAD LINE PROFILES 4AP OPTION B |
| 10 of 12 | DESIGN PLAN: INDICATIVE OVERHEAD LINE PROFILES 4AP OPTION B |
| 11 of 12 | DESIGN PLAN: INDICATIVE OVERHEAD LINE PROFILES 4AP OPTION B |
| 12 of 12 | DESIGN PLAN: INDICATIVE OVERHEAD LINE PROFILES 4AP OPTION B |



THE NATIONAL GRID (NORTH WALES CONNECTION PROJECT) ORDER
 DESIGN PLAN: INDICATIVE OVERHEAD LINE PROFILES 4AP OPTION B
 REGULATION 5(2)(o)
 SHEET 1 OF 12

GORCHYMYN NATIONAL GRID (PROSIECT CYSYLLTIAD GOGLEDD CYMRU)
 CYNLLUN DYLLUNIO: DARLUN DANGOSOL O BROFFIL Y LLINELLAU UWCHBEN 4AP OPSIWN B
 RHEOLIAD 5(2)(o)
 DALEN 1 O 12

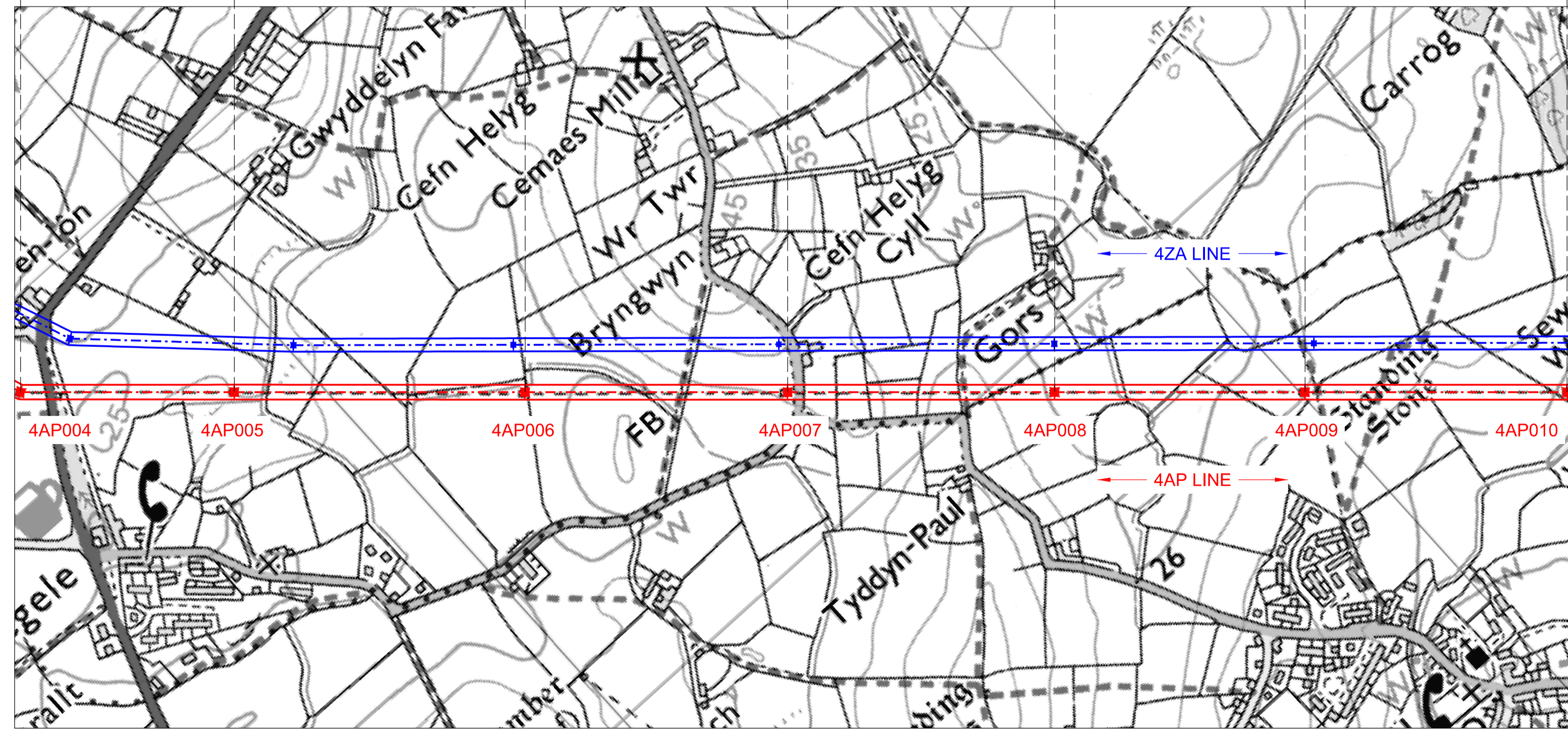
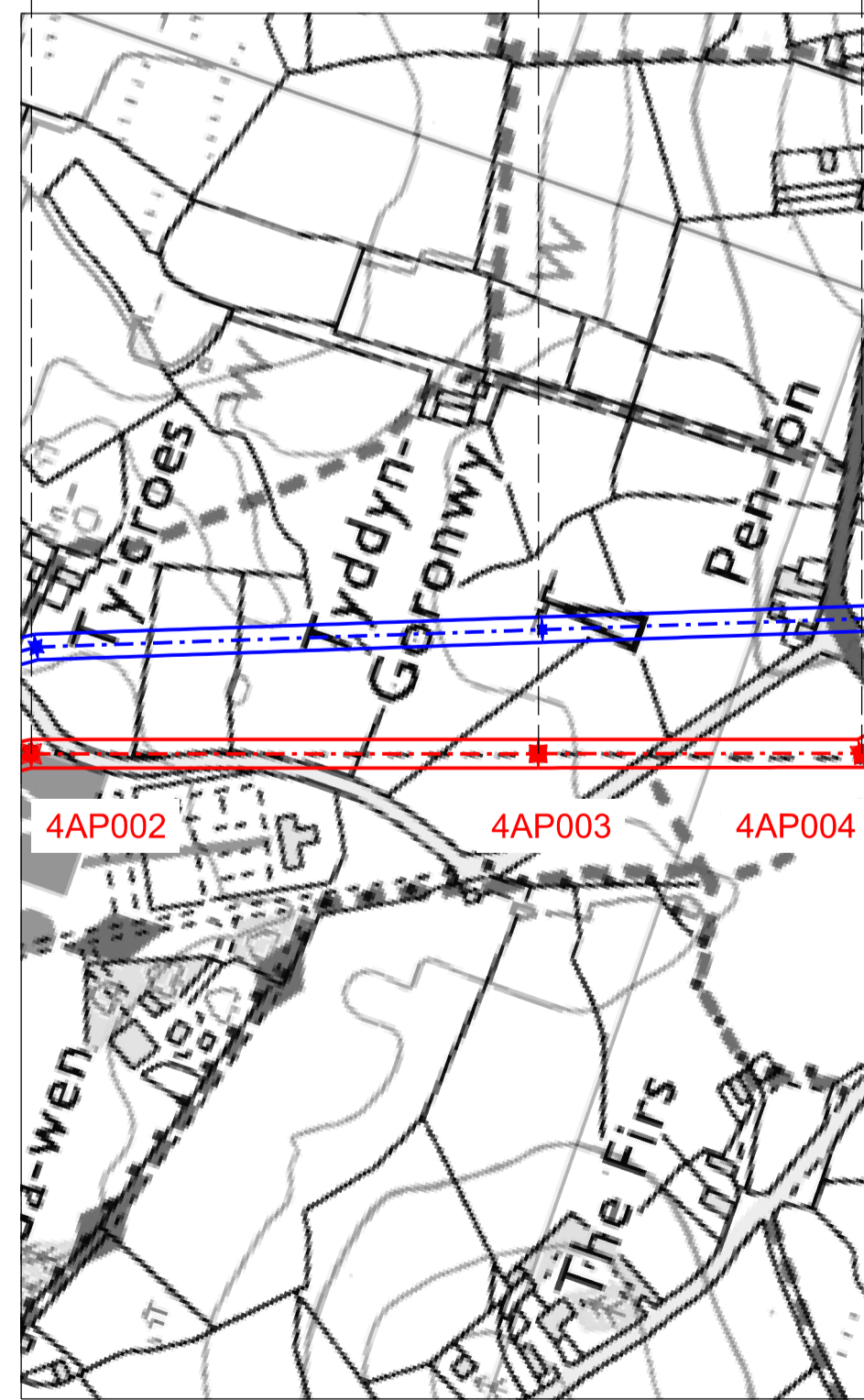
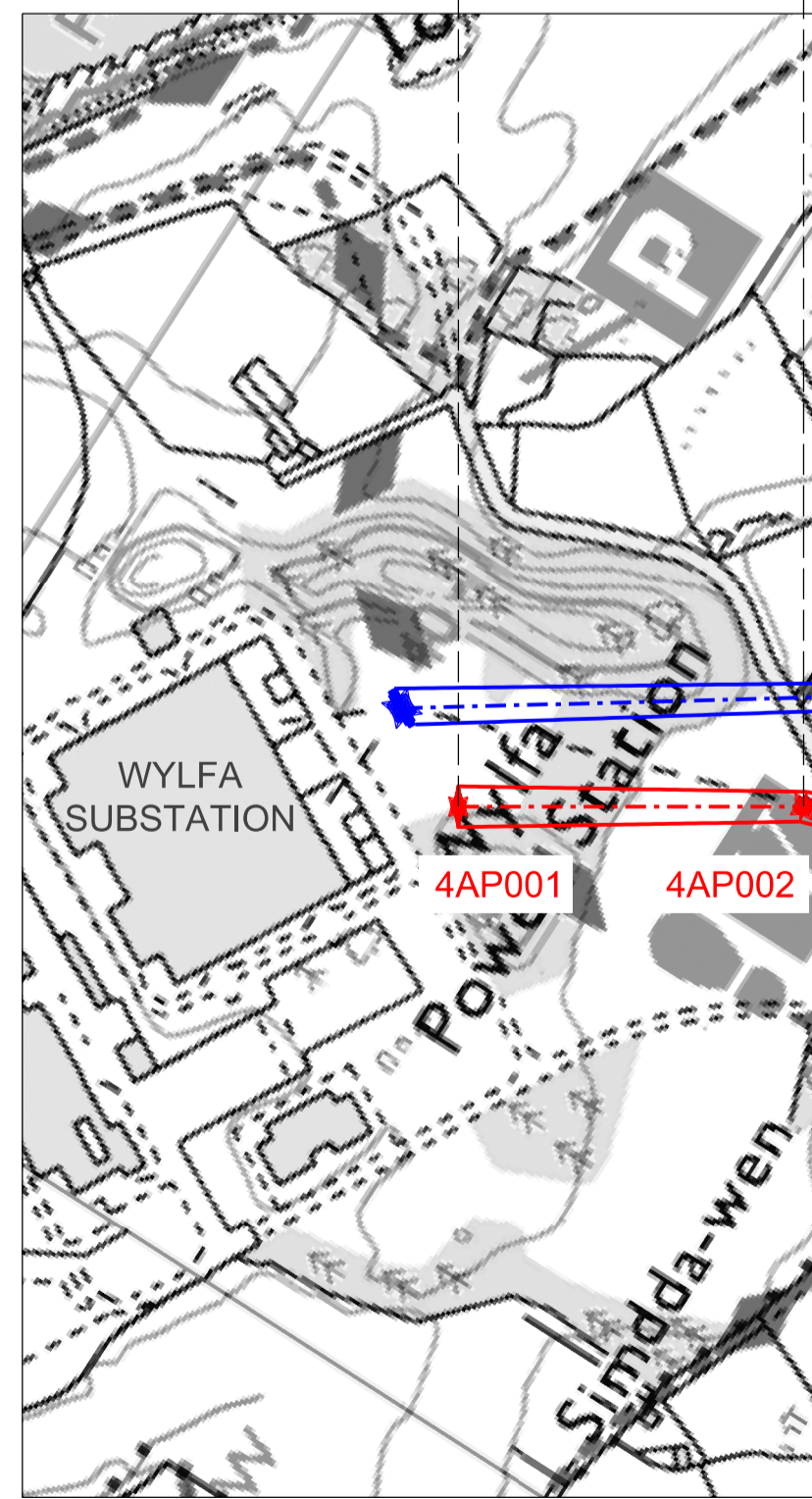
SITE MAP / MAP O'R SAFLE



Legend / Allwedd

Notes / Nodiadau

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| Issue / Cychwedd | Date / Dyddiad | Remarks / Sifeddu | Drawn / Tynnwyd | Checked / Gwiriwyd | Approved / Cymerwyd |
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| A | | FOR DCO SUBMISSION | JN | MF | RP |

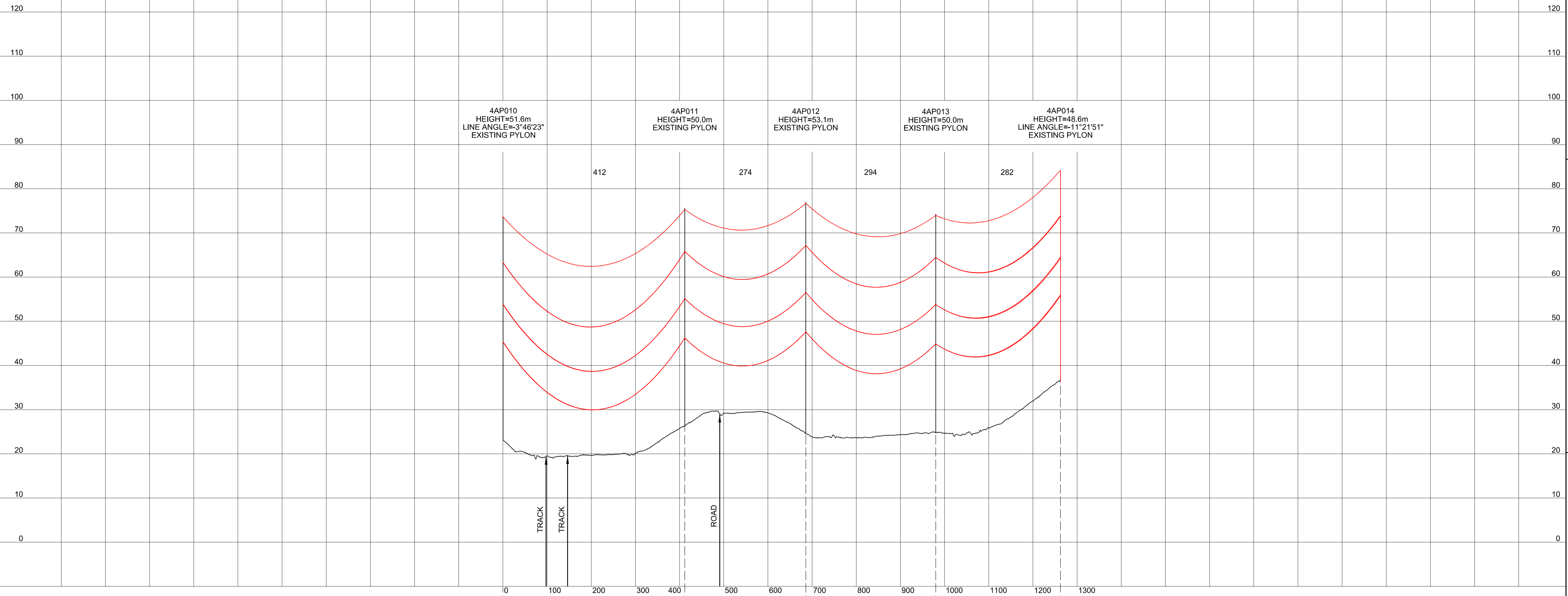
Title / Teitl
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 4AP OPTION B
 REGULATION 5(2)(o)
 SHEET 1 OF 12

GORCHYMYN NATIONAL GRID (PROSIECT CYSYLLTIAD GOGLEDD CYMRU)
 CYNLLUN DYLLUNIO:
 DARLUN DANGOSOL O BROFFIL Y LLINELLAU UWCHBEN 4AP OPSIWN B
 RHEOLIAD 5(2)(o)
 DALEN 1 O 12

nationalgrid

Application Number / Rhif y Cais: EN020015
 National Grid Drawing Reference / Cylfeirnod Lluniad National Grid: DCO_DE/PS/04_01

| Scale / Graddfa | Sheet Size / Mensi / Sizen | Sheet / Dafen | Issue / Cychwedd |
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| Hz = 1:5000 Vert = 1:2500 | A1 | SHEET 1 of 12 | A |

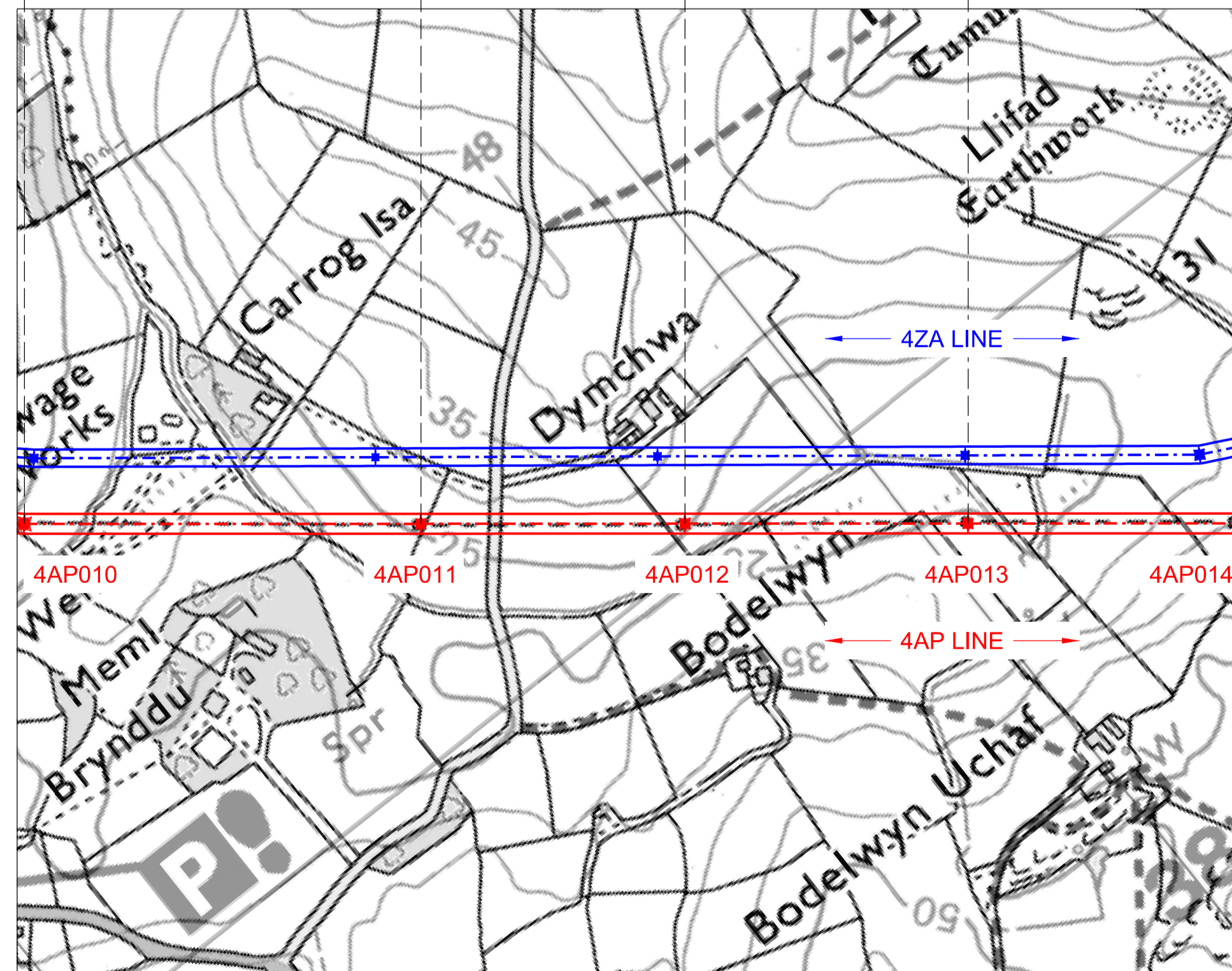


Legend / Allwedd

Notes / Nodiadau

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2. TO BE READ IN CONJUNCTION WITH - DRAWING NUMBER DCO_DE/PS/02_01.
3. ALL DIMENSIONS ARE IN METRES.
4. PLAN AND PROFILES SHOW PROPOSED 400kV PYLON LOCATIONS AND HEIGHTS (INCLUDING CONDUCTORS AND/OR ASSOCIATED EQUIPMENT) AND MAY CHANGE SUBJECT TO ARTICLE 5 (LIMITS OF DEVIATION) OF THE DCO (DOCUMENT 2.1).
5. PROPOSED PROFILES BASED ON STATUTORY SAFETY CLEARANCES.
6. TREES AND VEGETATION ARE NOT SHOWN FOR CLARITY.

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| Issue / Cychwedd | Date / Dyddiad | Remarks / Sylwadau | Drawn / Tynnwyd | Checked / Gwirwyd | Approved / Cymerwyd |
|------------------|----------------|--------------------|-----------------|-------------------|---------------------|
| A | | FOR DCO SUBMISSION | JN | MF | RP |

Title / Teitl
 THE NATIONAL GRID
 (NORTH WALES CONNECTION PROJECT) ORDER
 DESIGN PLAN:
 INDICATIVE OVERHEAD LINE PROFILES
 4AP OPTION B
 REGULATION 5(2)(o)
 SHEET 2 OF 12

GORCHYMYN NATIONAL GRID
 (PROSIECT CYSYLLTIAD GOGLEDD CYMRU)
 CYNLLUN DYLLUNIO:
 DARLUN DANGOSOL O BROFFIL Y LLINELLAU
 UWCHBEN 4AP OPSIWN B
 RHEOLIAD 5(2)(o)
 DALEN 2 O 12



Application Number / Rhif y Cais
 EN020015

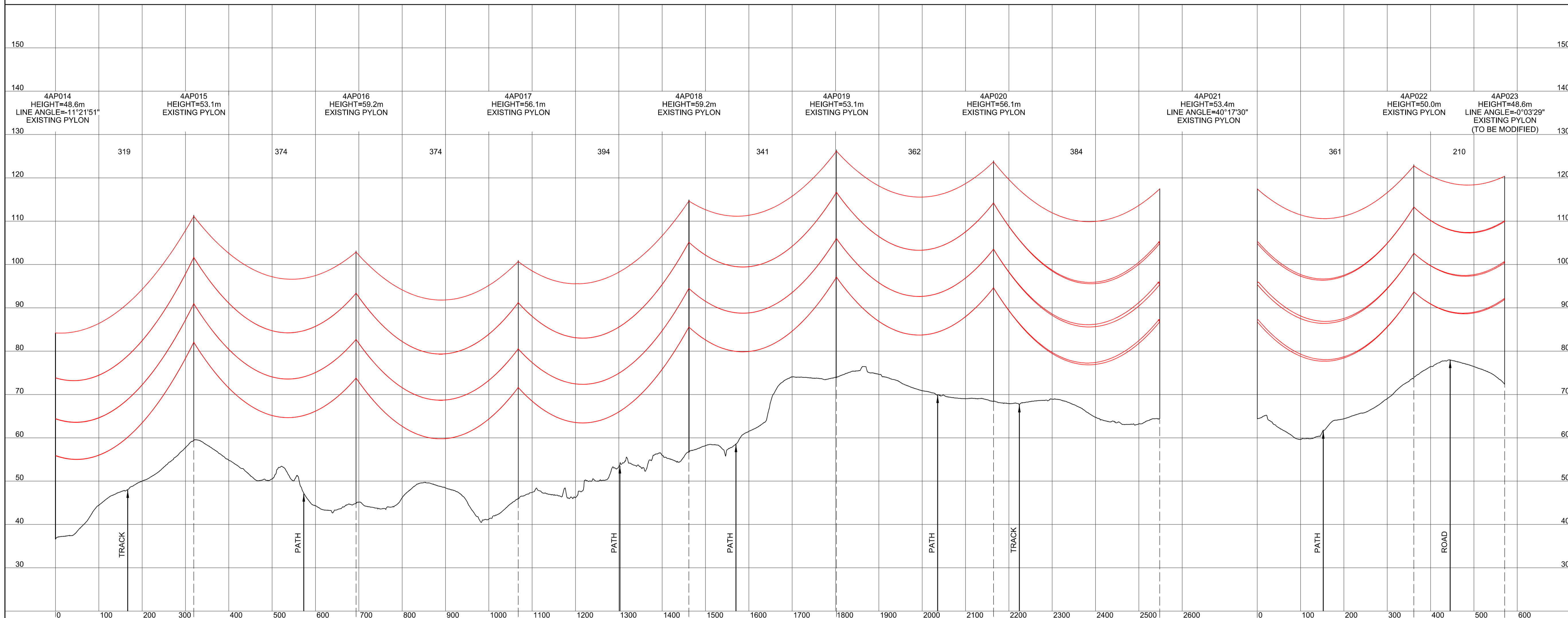
National Grid Drawing Reference / Cylfeirnod Lliniad National Grid
 DCO_DE/PS/04_02

| Scale / Graddfa | Sheet Size / Mensi Yr Awdal | Sheet / Dalen | Issue / Cychwedd |
|-----------------------------|-----------------------------|---------------|------------------|
| Hz = 1:5000 Vert = 1:500 | A1 | SHEET 2 of 12 | A |

THE NATIONAL GRID (NORTH WALES CONNECTION PROJECT) ORDER
 DESIGN PLAN: INDICATIVE OVERHEAD LINE PROFILES 4AP OPTION B
 REGULATION 5(2)(o)
 SHEET 3 OF 12

GORCHYMYN NATIONAL GRID (PROSIECT CYSYLLTIAD GOGLEDD CYMRU)
 CYNLLUN DYLLUNIO: DARLUN DANGOSOL O BROFFIL Y LLINELLAU UWCHBEN 4AP OPSIWN B
 RHEOLIAD 5(2)(o)
 DALEN 3 O 12

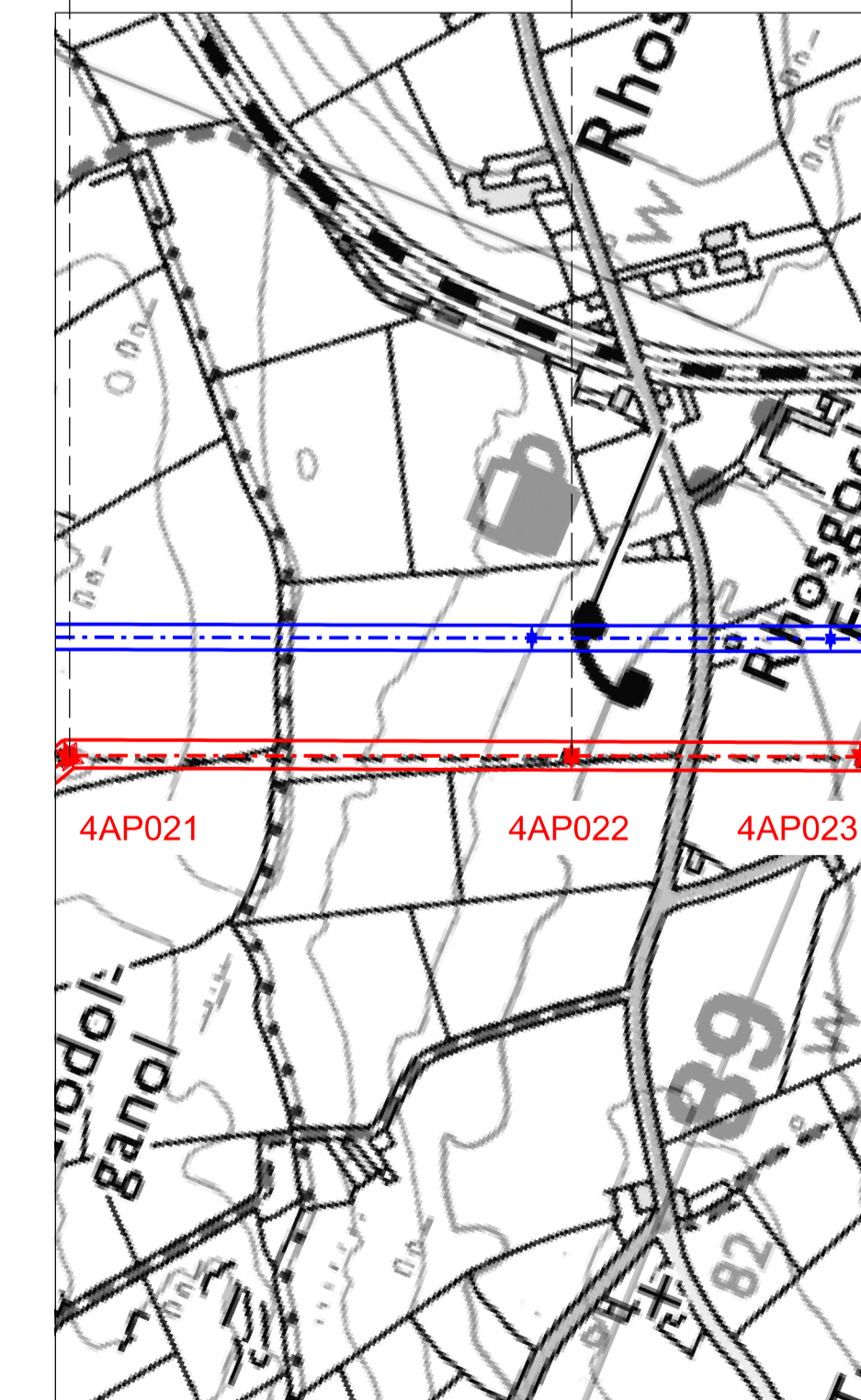
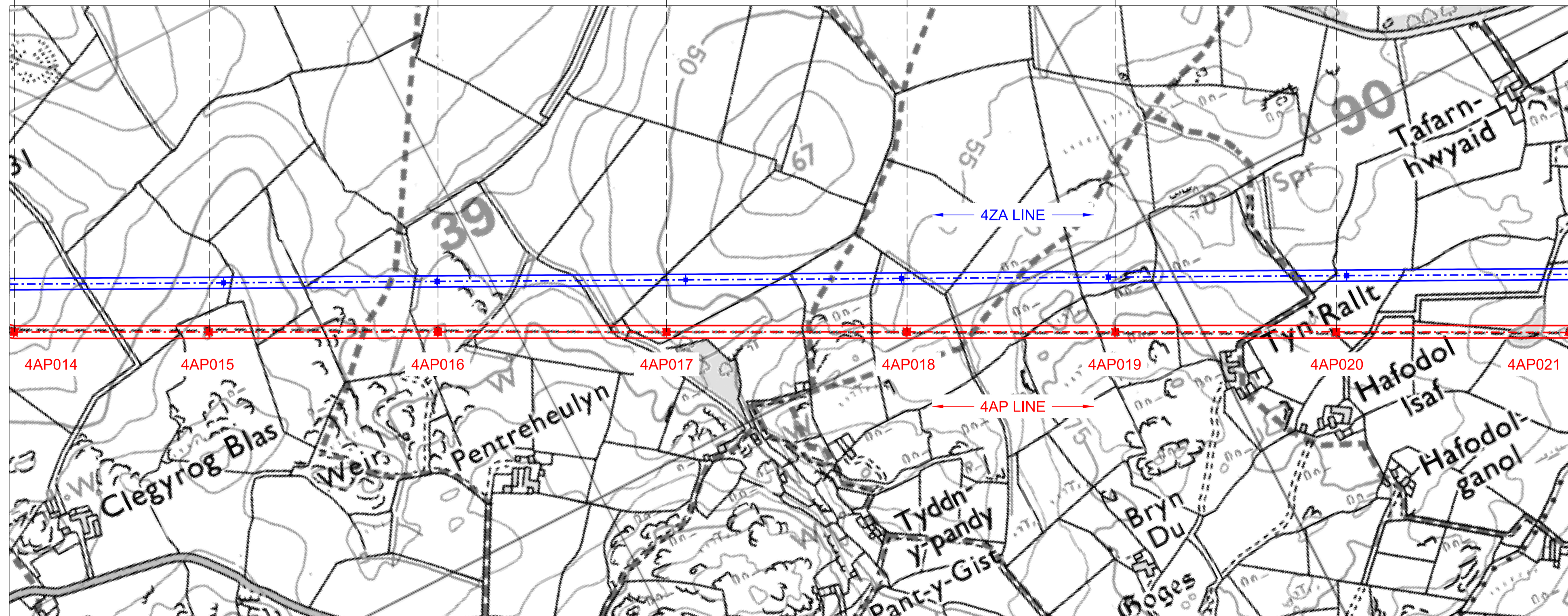
SITE MAP / MAP O'R SAFLE



Legend / Allwedd

Notes / Nodiadau

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|------------------|----------------|---------------------|----------------|--------------------|---------------------|
| A | | FOR DCO SUBMISSION | JN | MF | RP |

Title / Teitl
 THE NATIONAL GRID (NORTH WALES CONNECTION PROJECT) ORDER
 DESIGN PLAN:
 INDICATIVE OVERHEAD LINE PROFILES
 4AP OPTION B
 REGULATION 5(2)(o)
 SHEET 3 OF 12

GORCHYMYN NATIONAL GRID (PROSIECT CYSYLLTIAD GOGLEDD CYMRU)
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 DARLUN DANGOSOL O BROFFIL Y LLINELLAU UWCHBEN 4AP OPSIWN B
 RHEOLIAD 5(2)(o)
 DALEN 3 O 12



Application Number / Rhif y Cais
 EN020015

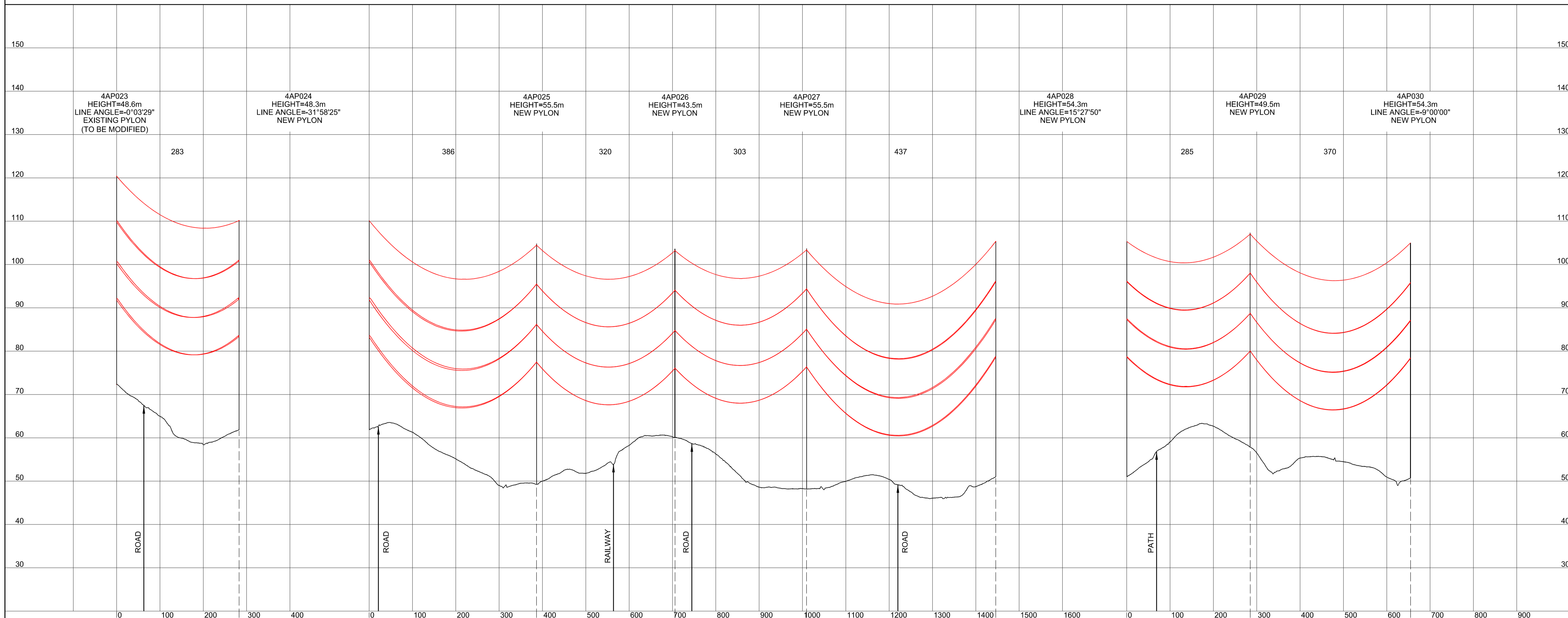
National Grid Drawing Reference / Cylfeirnod Lluniad National Grid
 DCO_DE/PS/04_03

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| Hz = 1:5000 Vort = 1:2500 | A1 | SHEET 3 of 12 | A |

THE NATIONAL GRID (NORTH WALES CONNECTION PROJECT) ORDER
 DESIGN PLAN: INDICATIVE OVERHEAD LINE PROFILES 4AP OPTION B
 REGULATION 5(2)(o)
 SHEET 4 OF 12

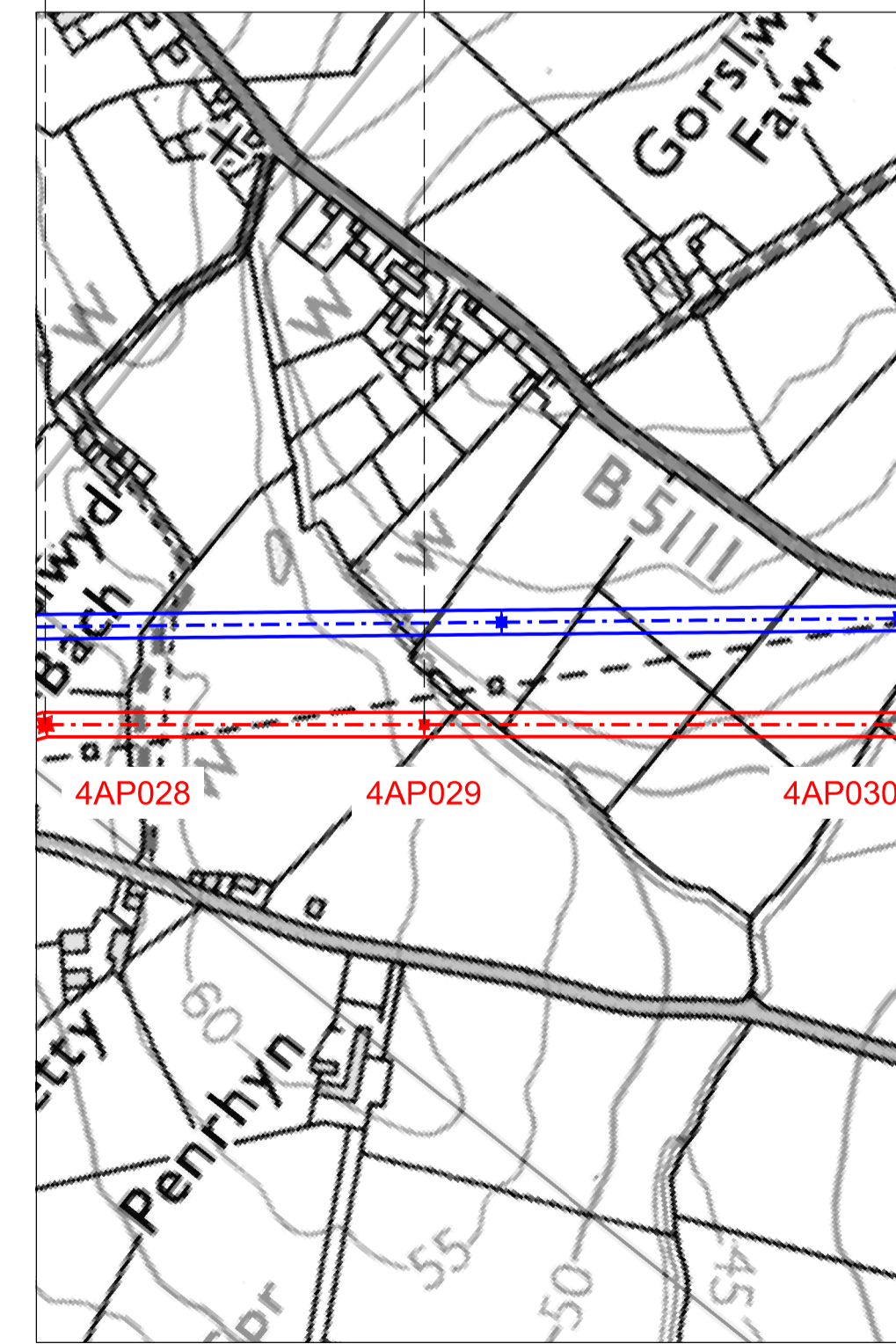
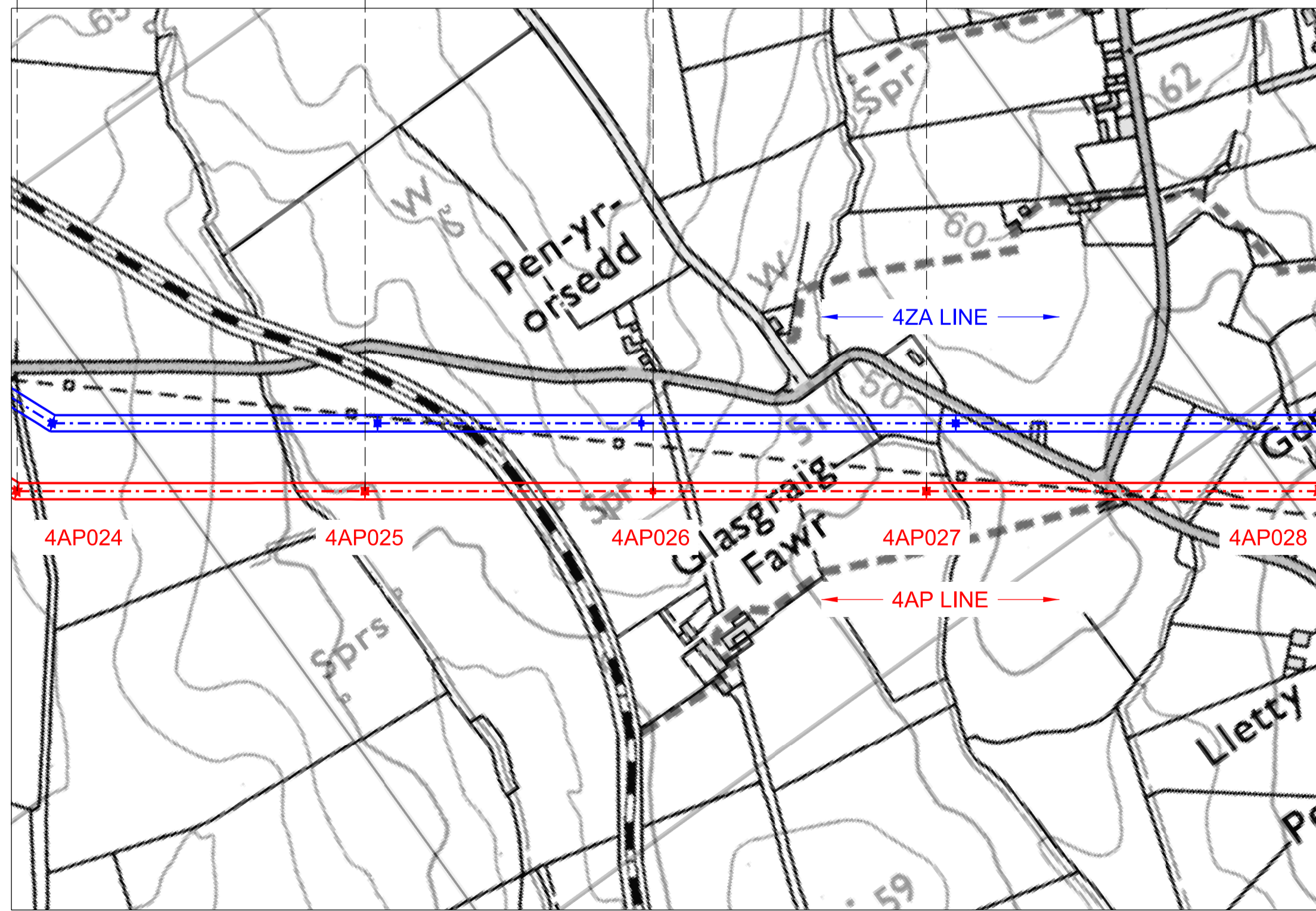
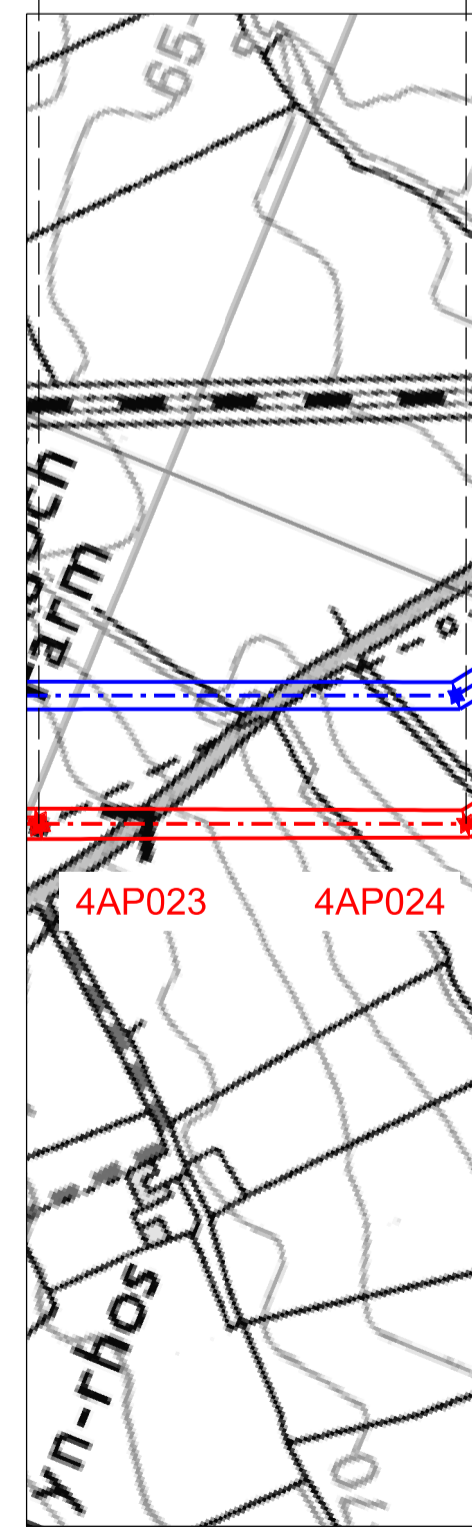
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 CYNLLUN DYLUNIO: DARLUN DANGOSOL O BROFFIL Y LLINELLAU UWCHBEN 4AP OPSIWN B
 RHEOLIAD 5(2)(o)
 DALEN 4 O 12

SITE MAP / MAP O'R SAFLÉ



Legend / Allwedd

- Notes / Nodiadau
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Title / Teitl
 THE NATIONAL GRID (NORTH WALES CONNECTION PROJECT) ORDER
 DESIGN PLAN:
 INDICATIVE OVERHEAD LINE PROFILES
 4AP OPTION B
 REGULATION 5(2)(o)
 SHEET 4 OF 12

GORCHYMYN NATIONAL GRID (PROSIECT CYSYLLTIAD GOGLEDD CYMRU)
 CYNLLUN DYLUNIO:
 DARLUN DANGOSOL O BROFFIL Y LLINELLAU UWCHBEN 4AP OPSIWN B
 RHEOLIAD 5(2)(o)
 DALEN 4 O 12



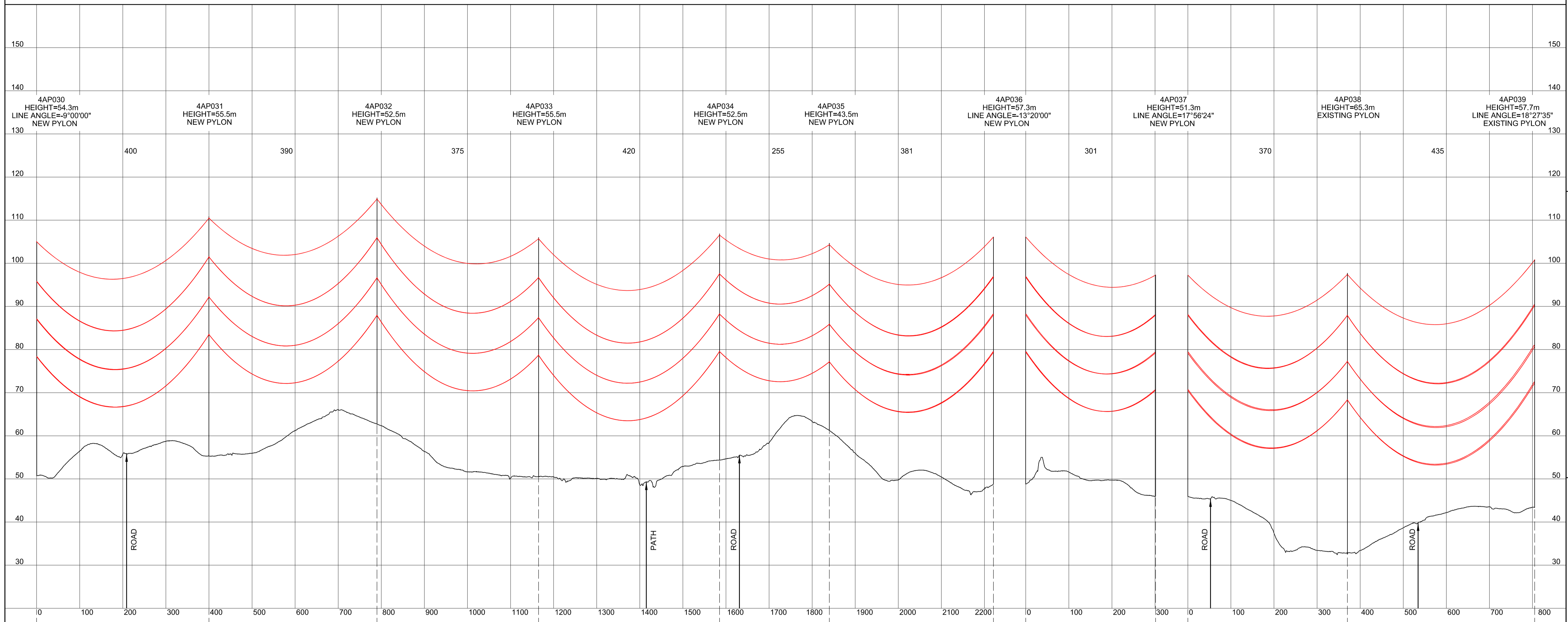
Application Number / Rhif y Cais: EN020015
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| Scale / Graddfa | Sheet Size / Mensi / Sizen | Sheet / Dalen | Issue / Cychwedd |
|-----------------------------|----------------------------|---------------|------------------|
| Hz = 1:5000 Vert = 1:500 | A1 | SHEET 4 of 12 | A |

THE NATIONAL GRID (NORTH WALES CONNECTION PROJECT) ORDER
 DESIGN PLAN: INDICATIVE OVERHEAD LINE PROFILES 4AP OPTION B
 REGULATION 5(2)(o)
 SHEET 5 OF 12

GORCHYMYN NATIONAL GRID (PROSIECT CYSYLLTIAD GOGLEDD CYMRU)
 CYNLLUN DYLUNIO: DARLUN DANGOSOL O BROFFIL Y LLINELLAU UWCHBEN 4AP OPSIWN B
 RHEOLIAD 5(2)(o)
 DALEN 5 O 12

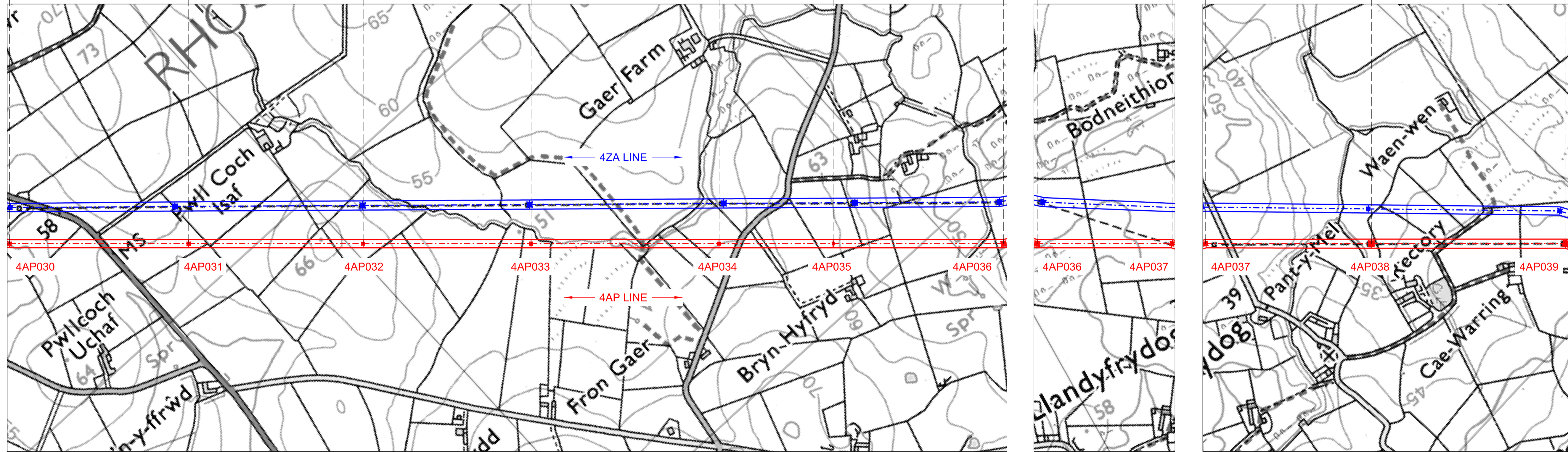
SITE MAP / MAP O'R SAFLE



Legend / Allwedd

Notes / Nodiadau

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|--------------------|----------------|---------------------|-----------------|--------------------|---------------------|
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Title / Teitl
 THE NATIONAL GRID (NORTH WALES CONNECTION PROJECT) ORDER
 DESIGN PLAN:
 INDICATIVE OVERHEAD LINE PROFILES
 4AP OPTION B
 REGULATION 5(2)(o)
 SHEET 5 OF 12

GORCHYMYN NATIONAL GRID (PROSIECT CYSYLLTIAD GOGLEDD CYMRU)
 CYNLLUN DYLUNIO:
 DARLUN DANGOSOL O BROFFIL Y LLINELLAU UWCHBEN 4AP OPSIWN B
 RHEOLIAD 5(2)(o)
 DALEN 5 O 12

nationalgrid

Application Number / Rhif y Cais
 EN020015

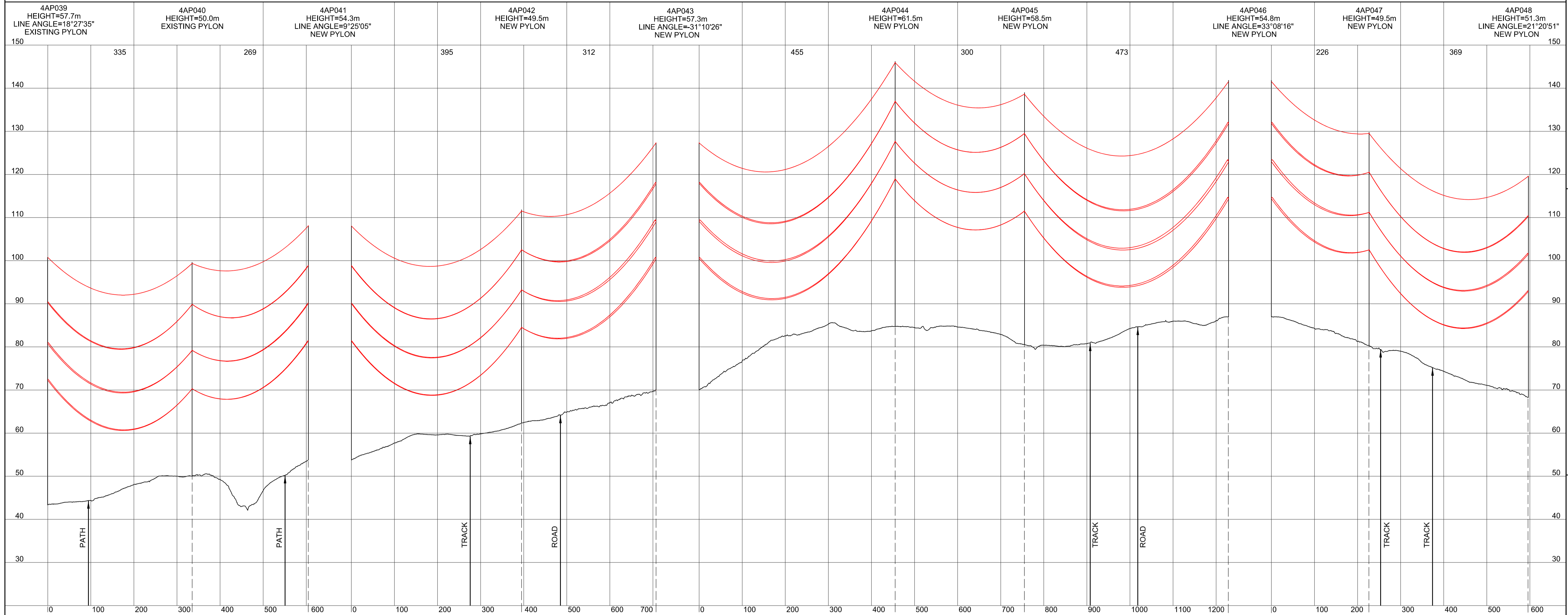
National Grid Drawing Reference / Cylfrimod Lliniad National Grid
 DCO_DE/PS/04_05

| Scale / Graddfa | Sheet Size / Mensi / Sizen | Sheet / Dalen | Issue / Cyhoeddiad |
|------------------------------|----------------------------|---------------|--------------------|
| Hz = 1:5000 Vort = 1:2500 | A1 | SHEET 5 of 12 | A |

THE NATIONAL GRID (NORTH WALES CONNECTION PROJECT) ORDER
 DESIGN PLAN: INDICATIVE OVERHEAD LINE PROFILES 4AP OPTION B
 REGULATION 5(2)(o)
 SHEET 6 OF 12

GORCHYMYN NATIONAL GRID (PROSIECT CYSYLLTIAD GOGLEDD CYMRU)
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 RHEOLIAD 5(2)(o)
 DALEN 6 O 12

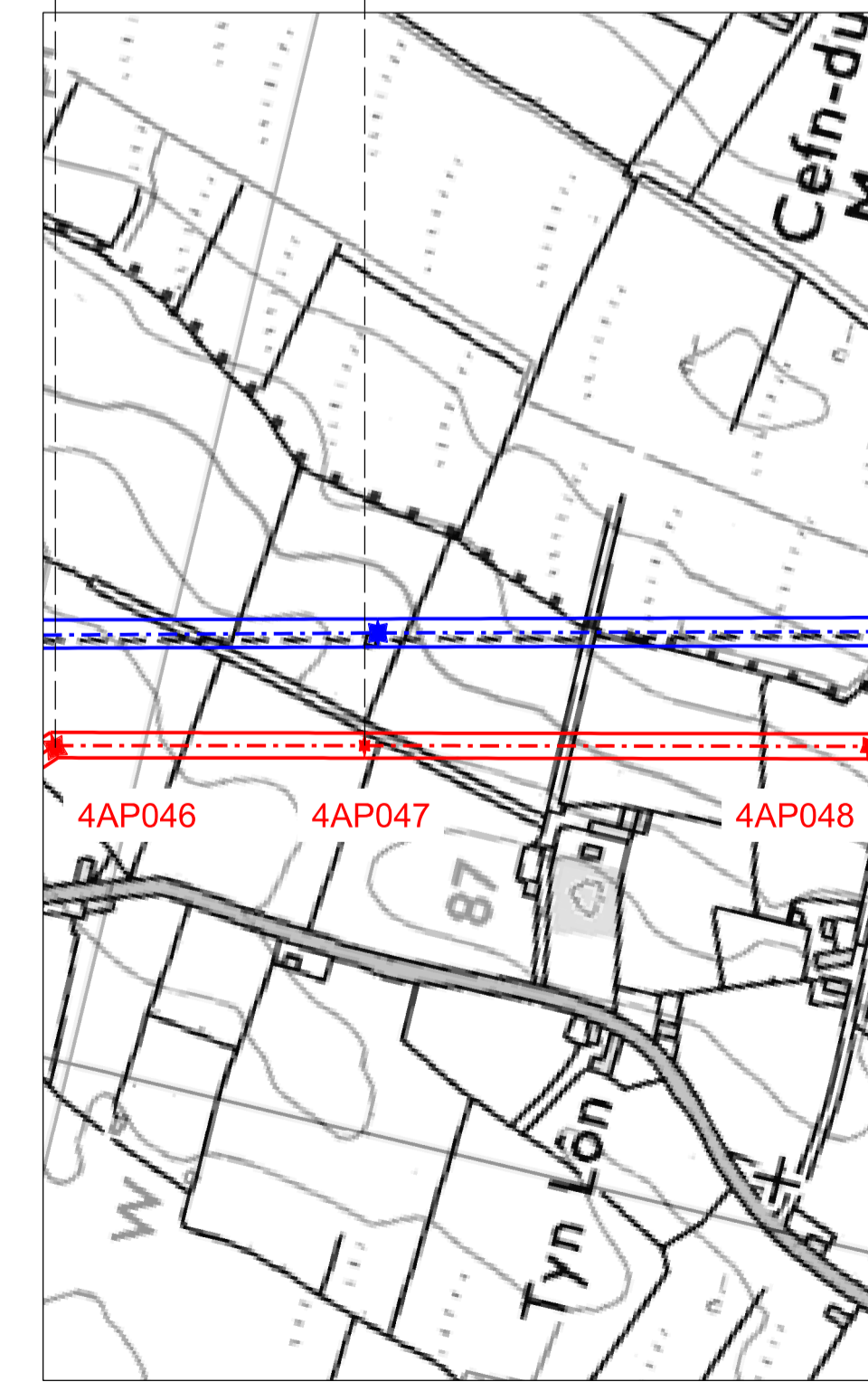
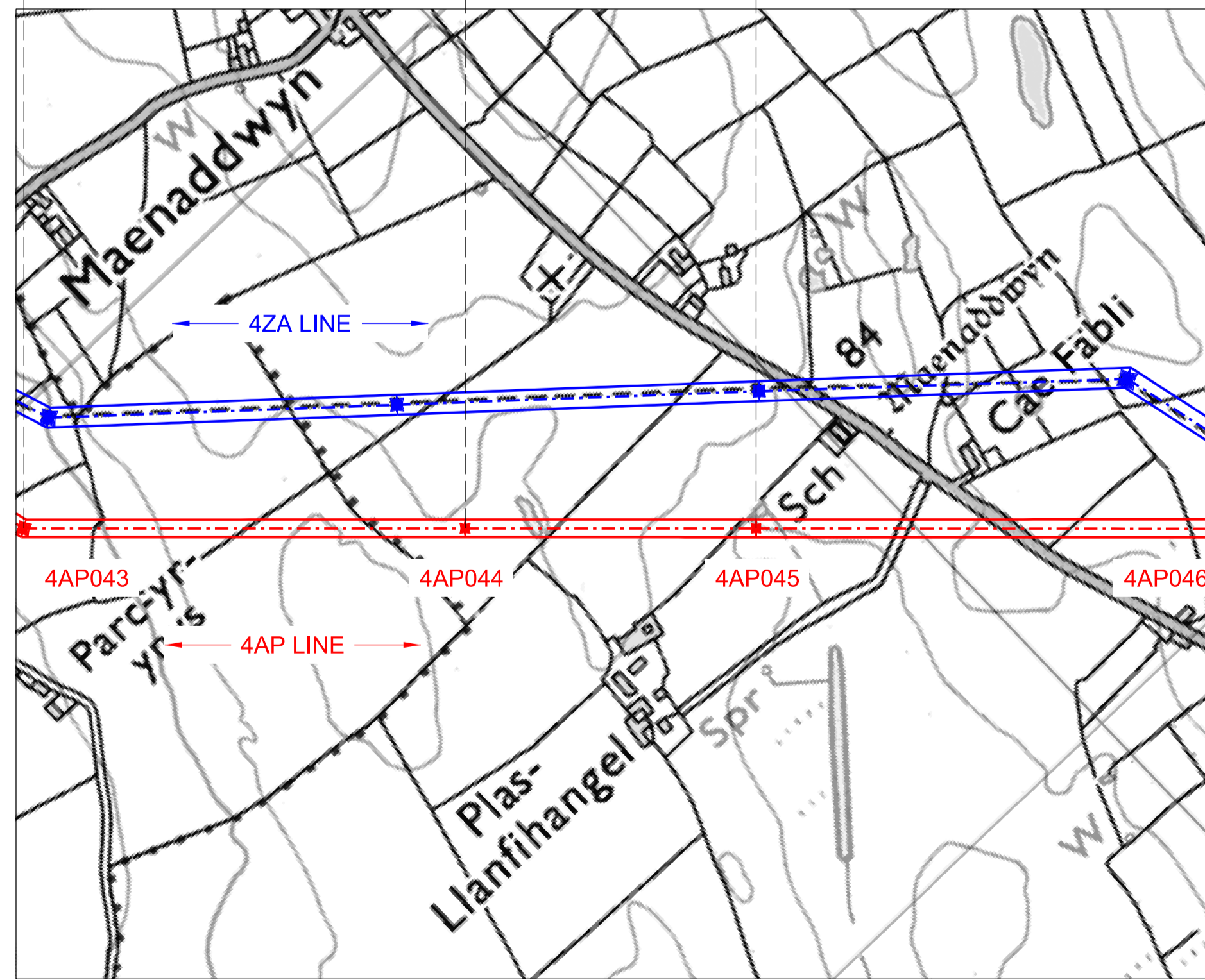
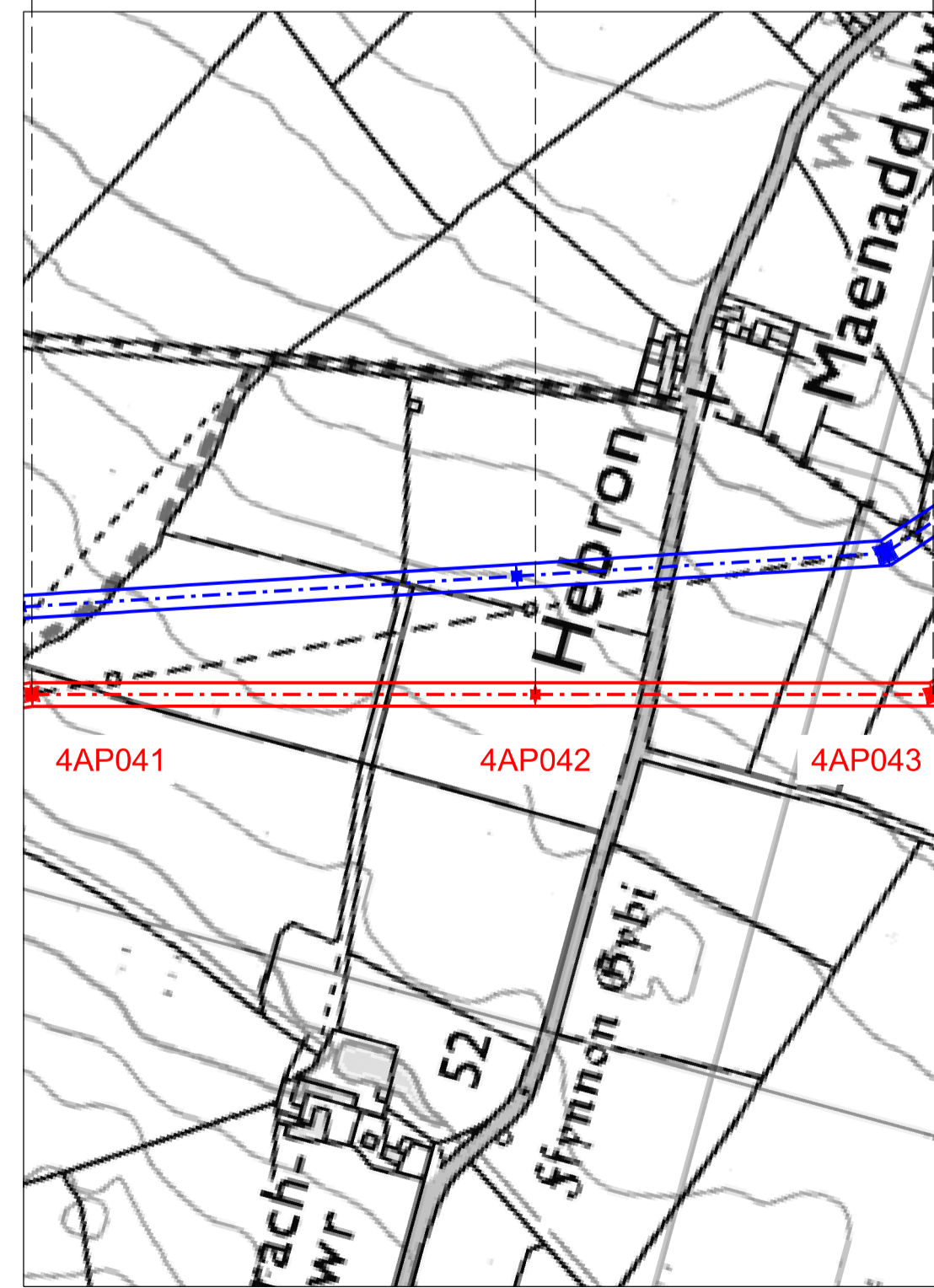
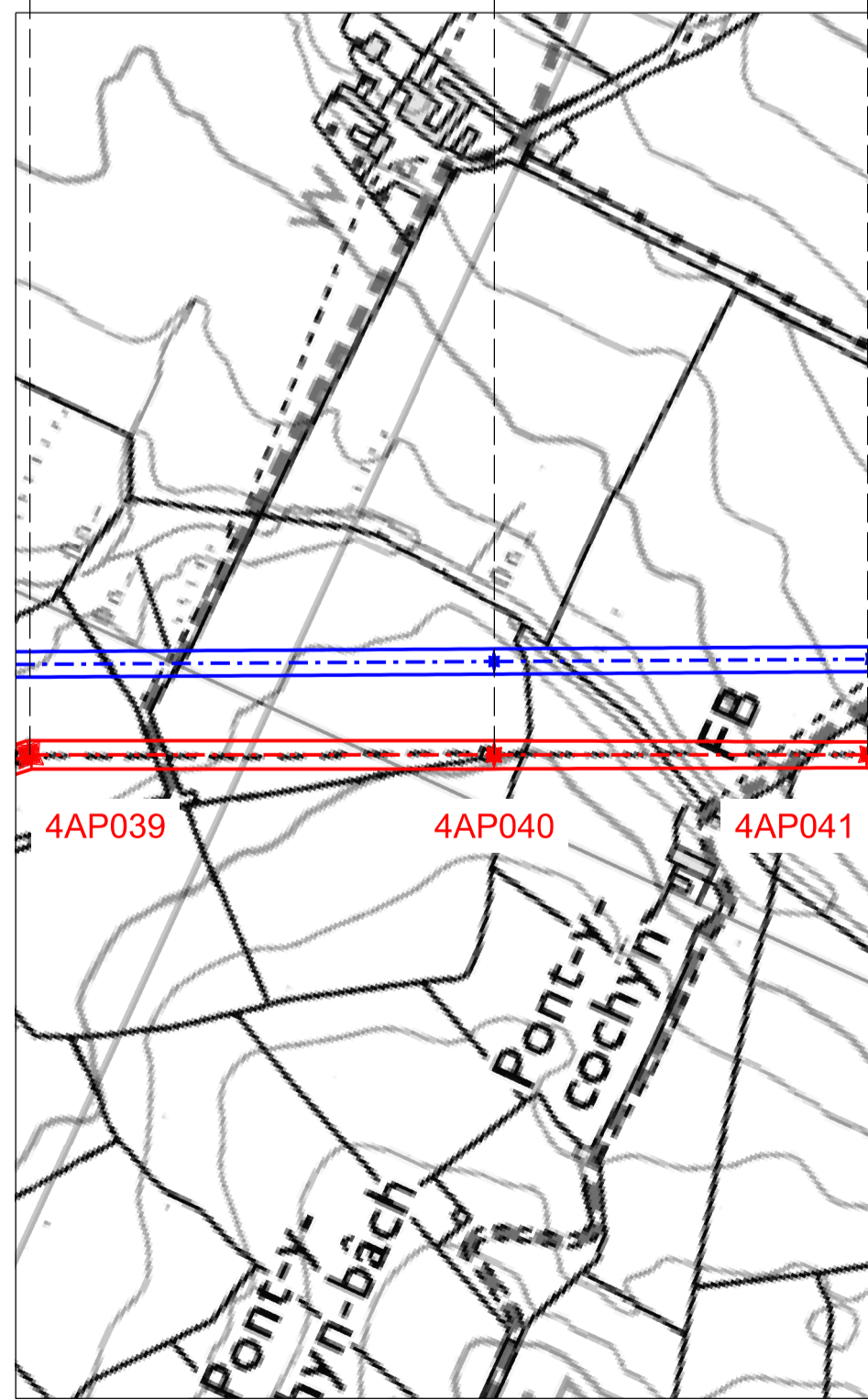
SITE MAP / MAP O'R SAFLE



Legend / Allwedd

Notes / Nodiadau

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|--------------------|----------------|------------------------|-----------------|------------------|-----------------------|
| A | | FOR DCO SUBMISSION | JN | MF | RP |

Title / Teitl
 THE NATIONAL GRID (NORTH WALES CONNECTION PROJECT) ORDER
 DESIGN PLAN:
 INDICATIVE OVERHEAD LINE PROFILES
 4AP OPTION B
 REGULATION 5(2)(o)
 SHEET 6 OF 12

GORCHYMYN NATIONAL GRID (PROSIECT CYSYLLTIAD GOGLEDD CYMRU)
 CYNLLUN DYLUNIO:
 DARLUN DANGOSOL O BROFFIL Y LLINELLAU UWCHBEN 4AP OPSIWN B
 RHEOLIAD 5(2)(o)
 DALEN 6 O 12

nationalgrid

Application Number / Rhif y Cais
 EN020015

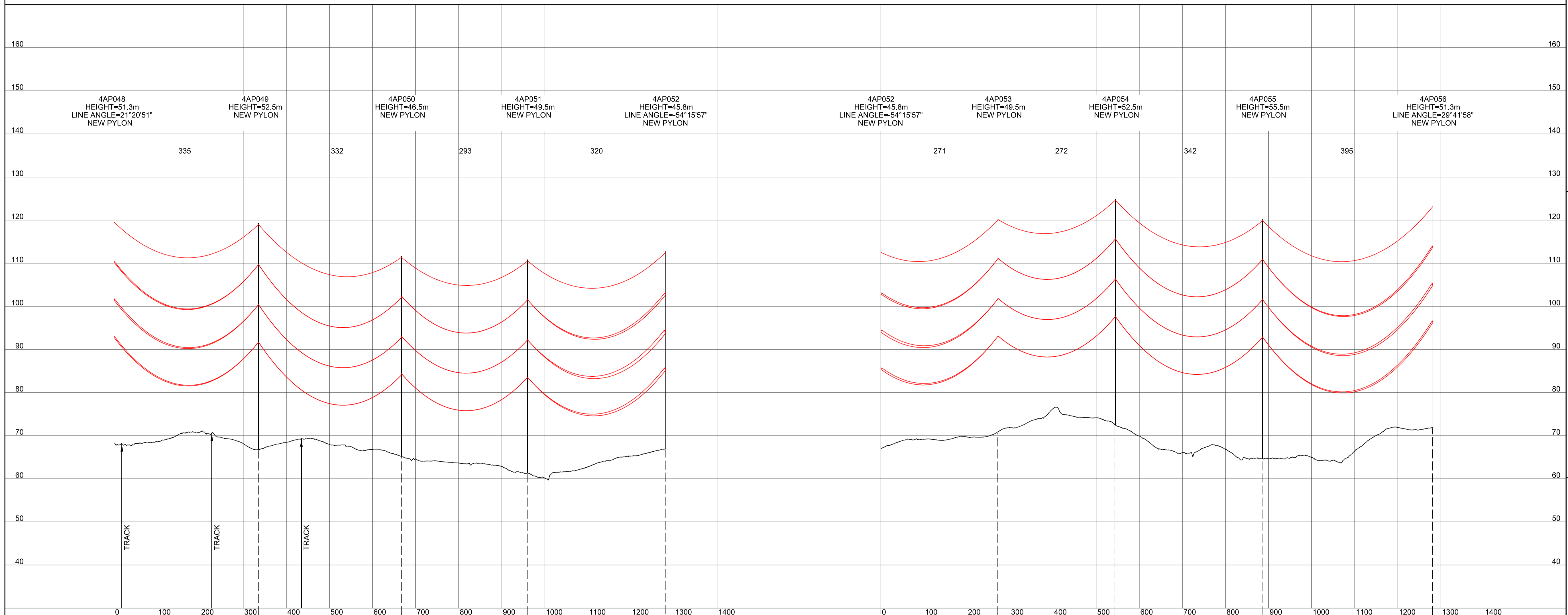
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 DCO_DE/PS/04_06

| Scale / Graddfa | Sheet Size / Mensi Yr Sgraw | Sheet / Dalen | Issue / Cychoddedd |
|-----------------------------|-----------------------------|---------------|--------------------|
| Hz = 1:5000 Vert = 1:500 | A1 | SHEET 6 of 12 | A |

THE NATIONAL GRID (NORTH WALES CONNECTION PROJECT) ORDER
 DESIGN PLAN: INDICATIVE OVERHEAD LINE PROFILES 4AP OPTION B
 REGULATION 5(2)(o)
 SHEET 7 OF 12

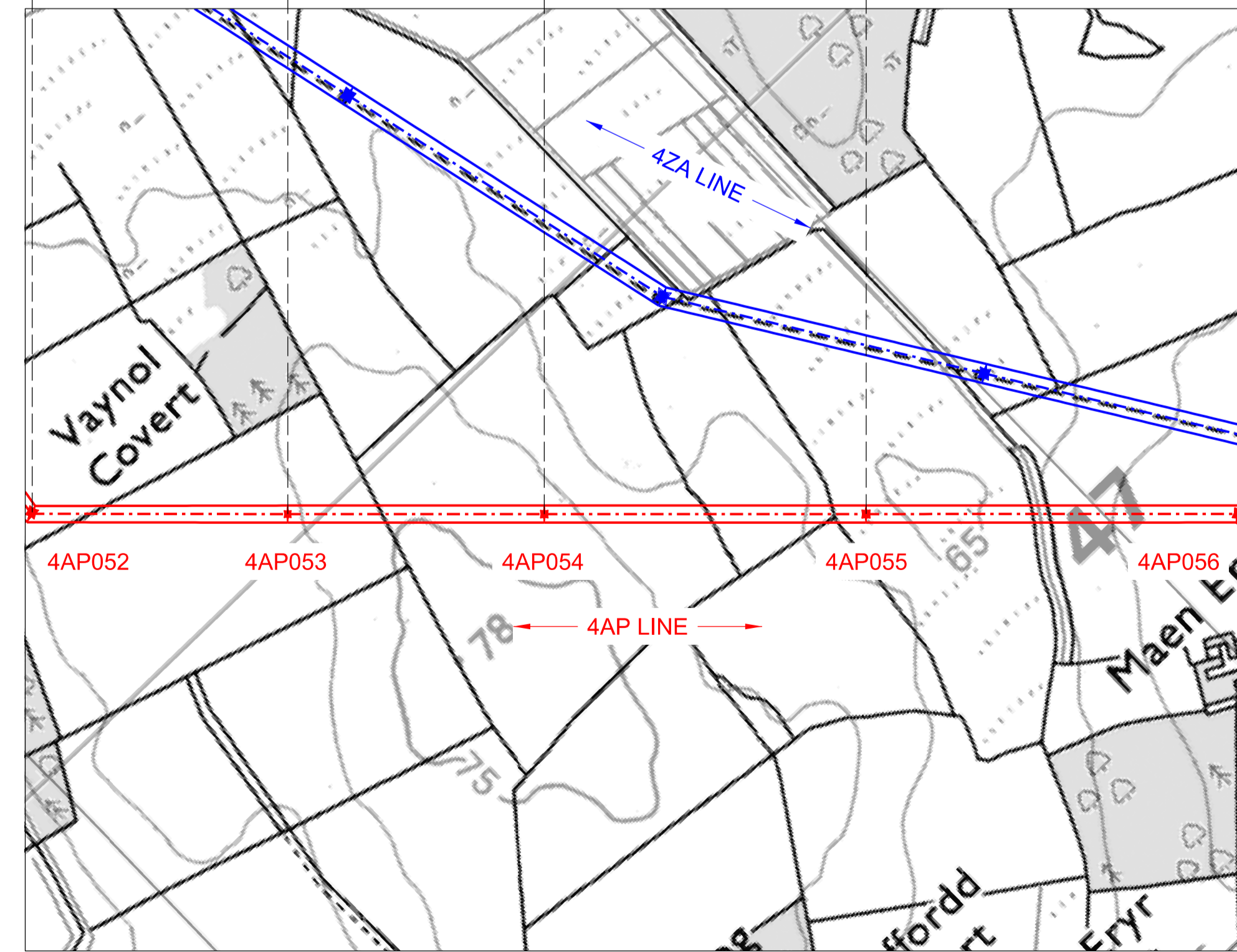
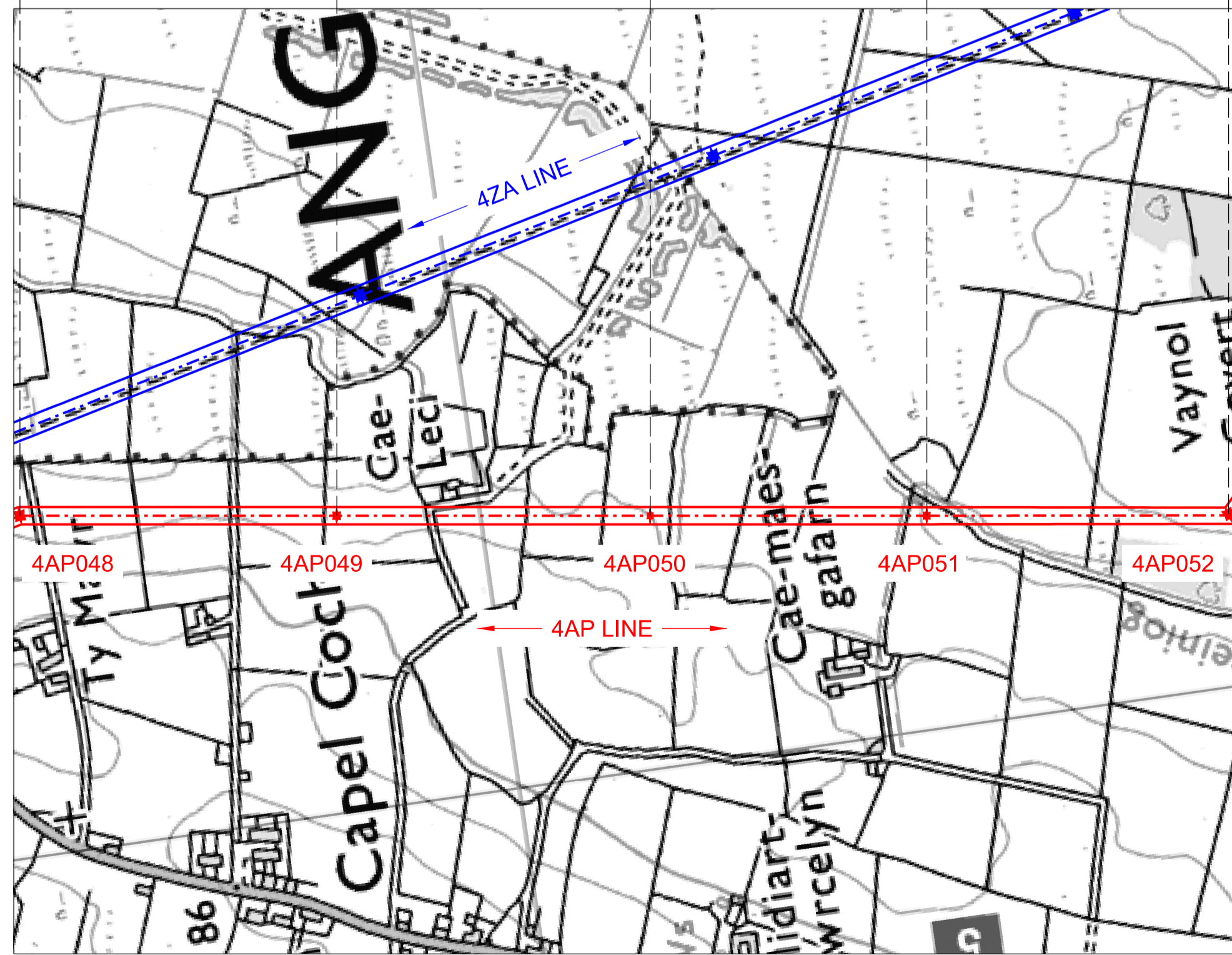
GORCHYMYN NATIONAL GRID (PROSIECT CYSYLLTIAD GOGLEDD CYMRU)
 CYNLLUN DYLUNIO: DARLUN DANGOSOL O BROFFIL Y LLINELLAU UWCHBEN 4AP OPSIWN B
 RHEOLIAD 5(2)(o)
 DALEN 7 O 12

SITE MAP / MAP O'R SAFLE



Legend / Allwedd

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|--------------------|----------------|--------------------|-----------------|------------------|-----------------------|
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 INDICATIVE OVERHEAD LINE PROFILES
 4AP OPTION B
 REGULATION 5(2)(o)
 SHEET 7 OF 12

GORCHYMYN NATIONAL GRID
 (PROSIECT CYSYLLTIAD GOGLEDD CYMRU)
 CYNLLUN DYLUNIO:
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 UWCHBEN 4AP OPSIWN B
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Application Number / Rhif y Cais
 EN020015

National Grid Drawing Reference / Cylfeirnod Luniad National Grid
 DCO_DE/PS/04_07

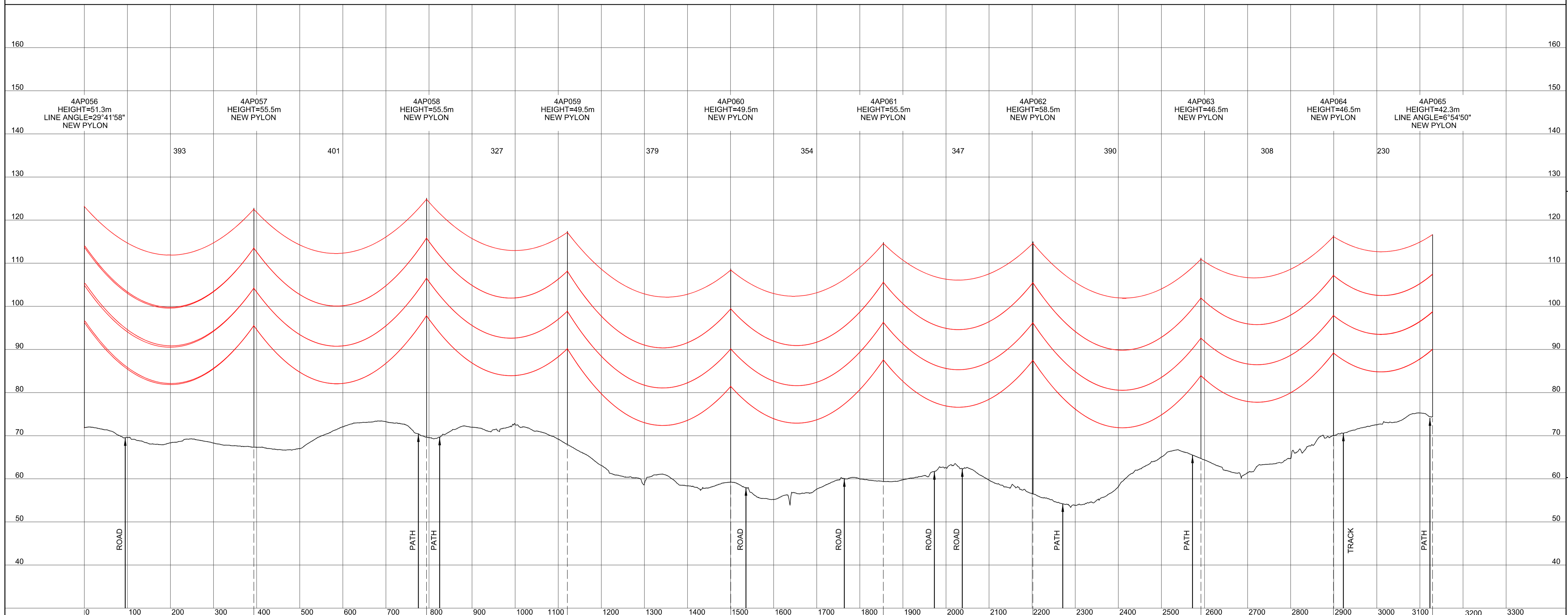
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|-----------------------------|----------------------------|---------------|--------------------|
| Hz = 1:5000 Vert = 1:500 | A1 | SHEET 7 of 12 | A |

THE DESIGN, SCALE AND LAYOUT SHOWN ON THIS PLAN IS INDICATIVE. THE DIMENSIONS FOR THE APPARATUS ARE TYPICAL DIMENSIONS, AND THE ACTUAL APPARATUS TO BE PROVIDED MAY DIFFER IN STYLE, MODEL AND SIZE. GALLI'R DYLUNIAD, Y RADDFFA A'R GOSODIAD A DDANGOSIR AR Y PLAN HYN NEWID. DIMENSIYNAU NODWEDIADOL A NODWYD AR GYFER Y CYFARPAR A GALLI'R UNION GYFARPAR A DDARPERIR FOD YN WAHANOL O'R AN ARDDULL, MODEL A MAINT.

THE NATIONAL GRID (NORTH WALES CONNECTION PROJECT) ORDER
 DESIGN PLAN: INDICATIVE OVERHEAD LINE PROFILES 4AP OPTION B
 REGULATION 5(2)(o)
 SHEET 8 OF 12

GORCHYMYN NATIONAL GRID (PROSIECT CYSYLLTIAD GOGLEDD CYMRU)
 CYNLLUN DYLUNIO: DARLUN DANGOSOL O BROFFIL Y LLINELLAU UWCHBEN 4AP OPSIWN B
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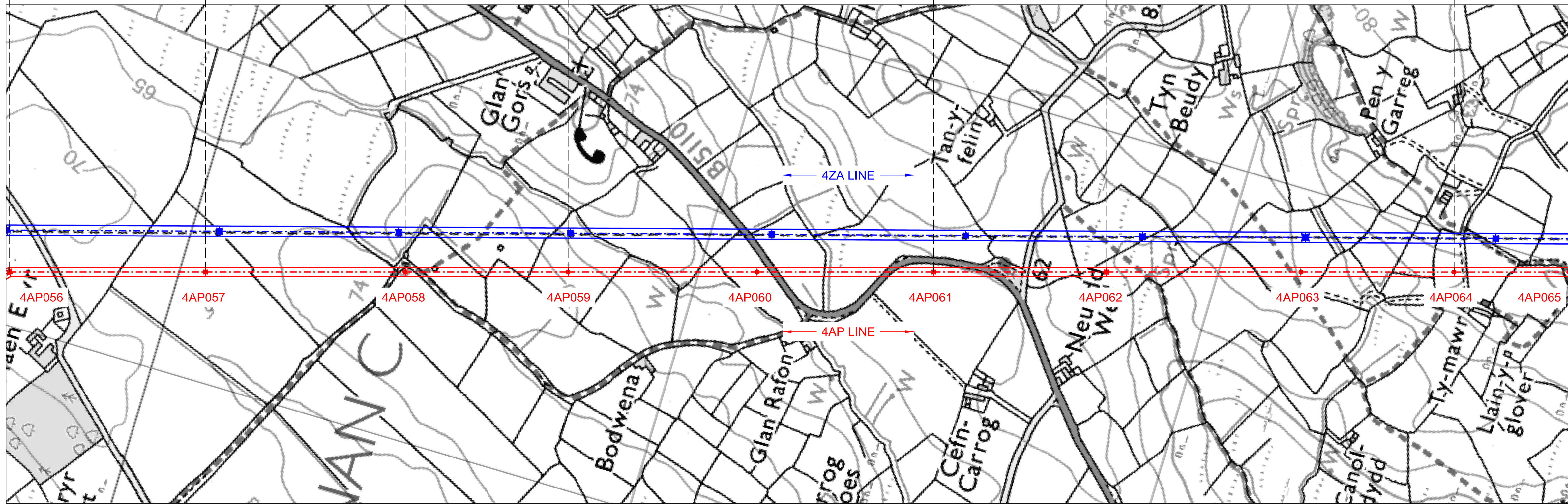
SITE MAP / MAP O'R SAFLE



Legend / Allwedd

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 4AP OPTION B
 REGULATION 5(2)(o)
 SHEET 8 OF 12

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Application Number / Rhif y Cais
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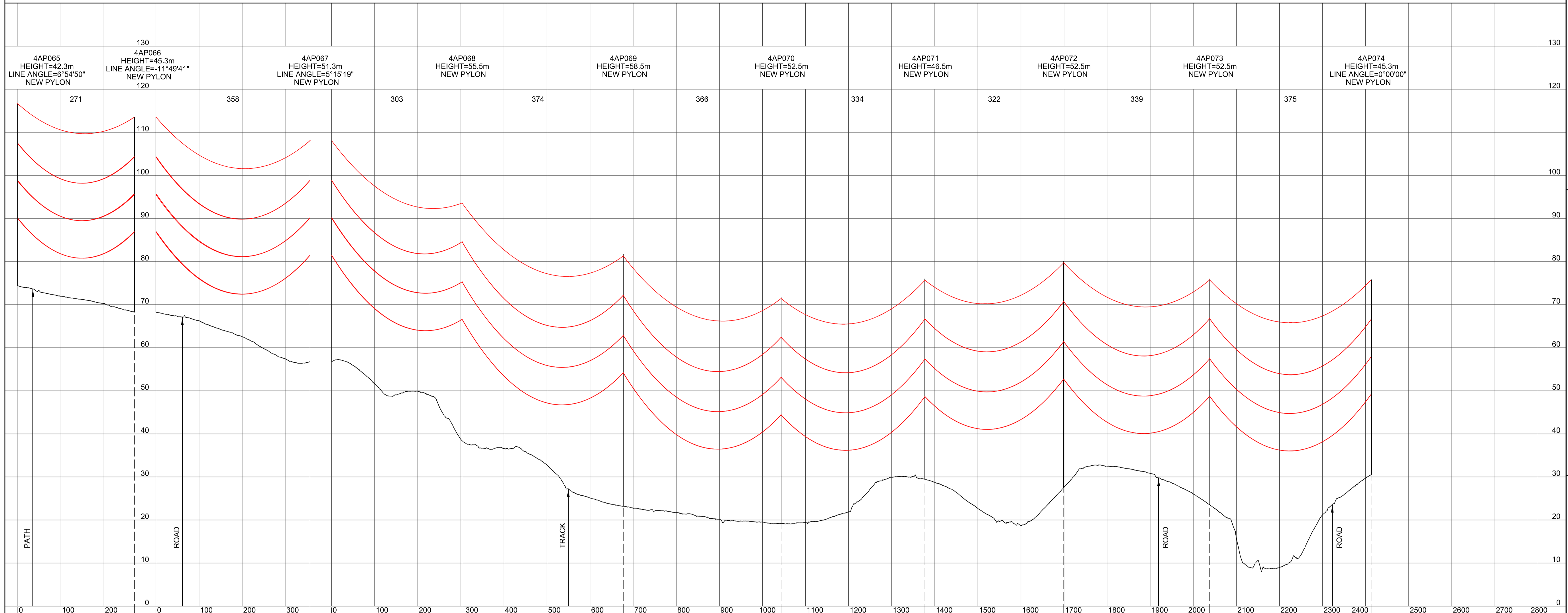
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 DCO_DE/PS/04_08

| Scale / Graddfa | Sheet Size / Mensi / Sizen | Sheet / Dalen | Issue / Cychwedd |
|-----------------------------|----------------------------|---------------|------------------|
| Hz = 1:5000 Vert = 1:500 | A1 | SHEET 8 of 12 | A |

THE NATIONAL GRID (NORTH WALES CONNECTION PROJECT) ORDER
 DESIGN PLAN: INDICATIVE OVERHEAD LINE PROFILES 4AP OPTION B
 REGULATION 5(2)(o)
 SHEET 9 OF 12

GORCHYMYN NATIONAL GRID (PROSIECT CYSYLLTIAD GOGLEDD CYMRU)
 CYNLLUN DYLUNIO: DARLUN DANGOSOL O BROFFIL Y LLINELLAU UWCHBEN 4AP OPSIWN B
 RHEOLIAD 5(2)(o)
 DALEN 9 O 12

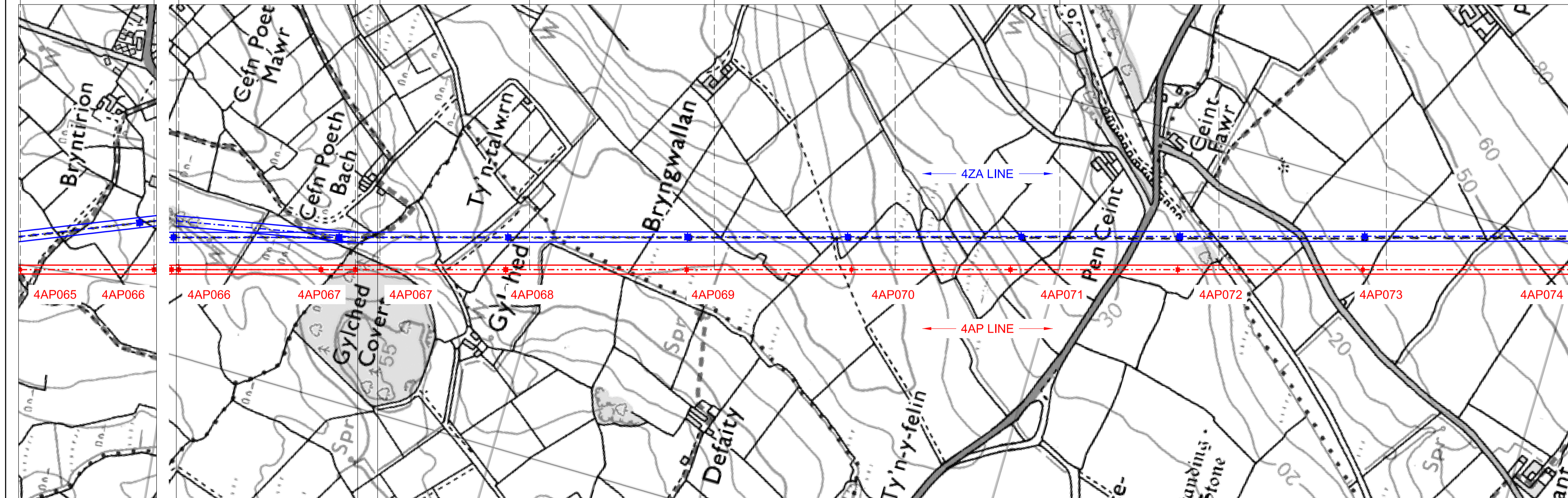
SITE MAP / MAP O'R SAFLE



Legend / Allwedd

Notes / Nodiadau

- THIS DRAWING IS SCALED AT PAPER SIZE A1, THEREFORE ANY PRINTS TAKEN AT SMALLER SIZES WILL AFFECT ACCURACY OF THE MEASUREMENT UNITS AND SHOULD NOT BE SCALED AGAINST.
- TO BE READ IN CONJUNCTION WITH - DRAWING NUMBER DCO_DE/PS/02_01.
- ALL DIMENSIONS ARE IN METRES.
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| Issue / Cyhoeddiad | Date / Dyddiad | Remarks / Sylweddau | Drawn / Tynwyd | Checked / Gwiriwyd | Approved / Cymerwyd |
|--------------------|----------------|---------------------|----------------|--------------------|---------------------|
| A | | FOR DCO SUBMISSION | JN | MF | RP |

Title / Teitl
 THE NATIONAL GRID
 (NORTH WALES CONNECTION PROJECT) ORDER
 DESIGN PLAN:
 INDICATIVE OVERHEAD LINE PROFILES
 4AP OPTION B
 REGULATION 5(2)(o)
 SHEET 9 OF 12

GORCHYMYN NATIONAL GRID
 (PROSIECT CYSYLLTIAD GOGLEDD CYMRU)
 CYNLLUN DYLUNIO:
 DARLUN DANGOSOL O BROFFIL Y LLINELLAU
 UWCHBEN 4AP OPSIWN B
 RHEOLIAD 5(2)(o)
 DALEN 9 O 12

nationalgrid

Application Number / Rhif y Cais
 EN020015

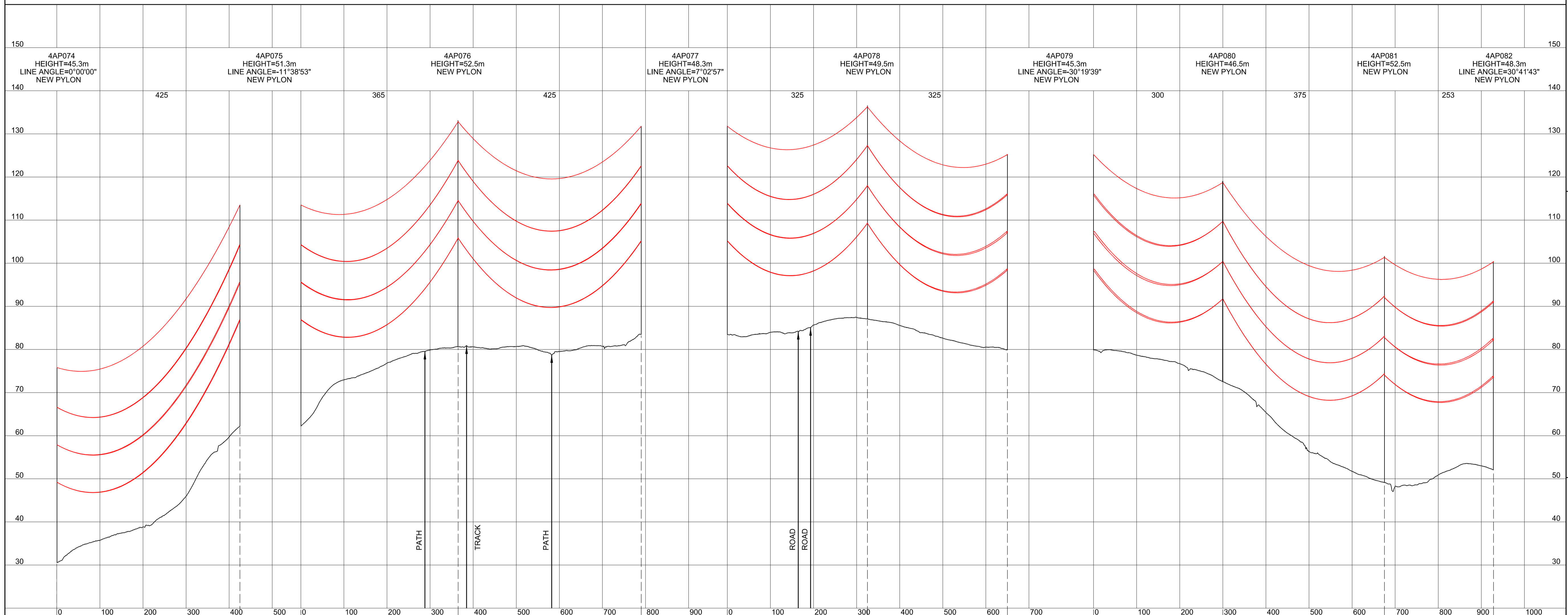
National Grid Drawing Reference / Cyfeirnod Lliniad National Grid
 DCO_DE/PS/04_09

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|-----------------------------|----------------------------|---------------|--------------------|
| Hz = 1:5000 Vert = 1:500 | A1 | SHEET 9 of 12 | A |

THE NATIONAL GRID (NORTH WALES CONNECTION PROJECT) ORDER
 DESIGN PLAN: INDICATIVE OVERHEAD LINE PROFILES 4AP OPTION B
 REGULATION 5(2)(o)
 SHEET 10 OF 12

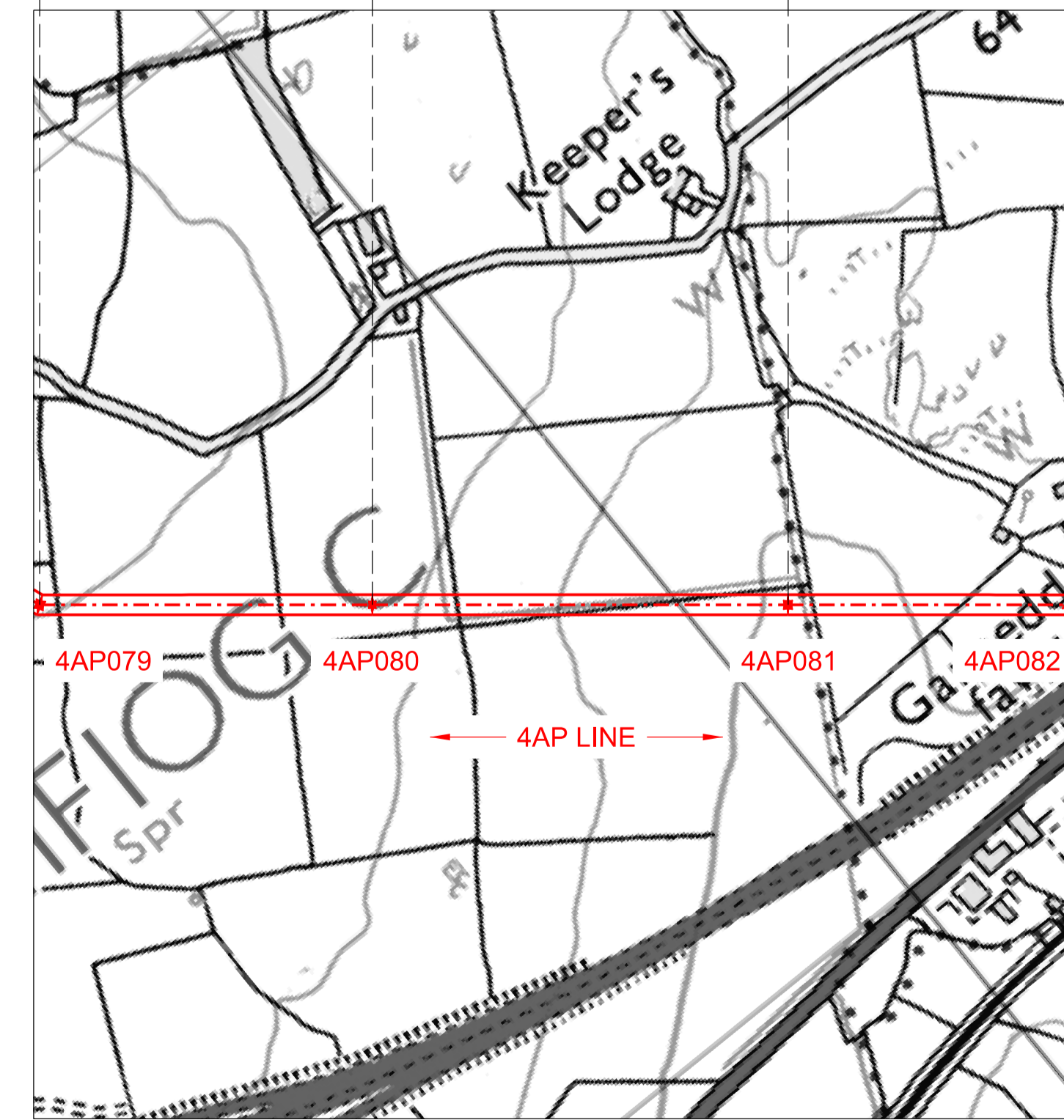
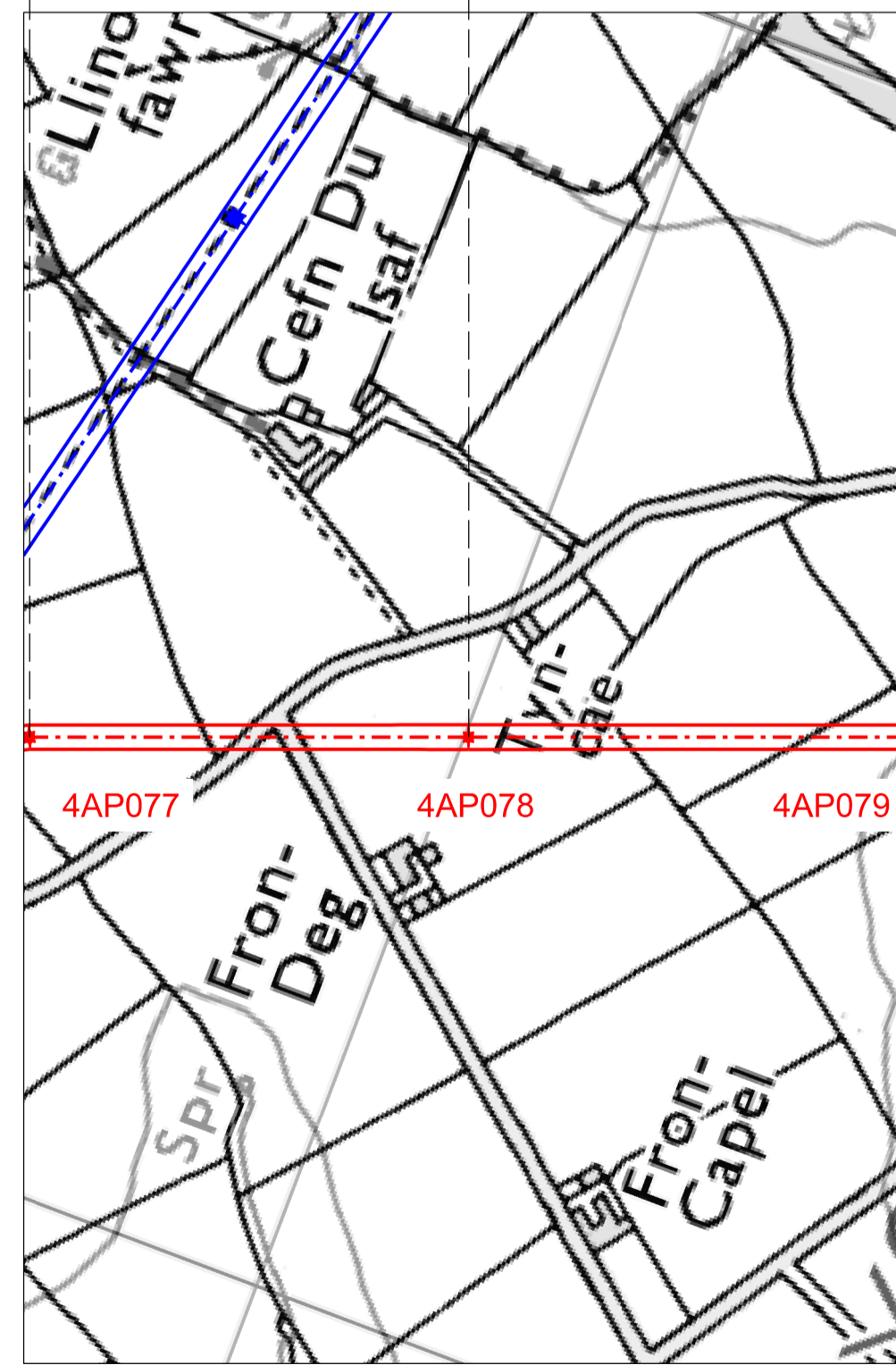
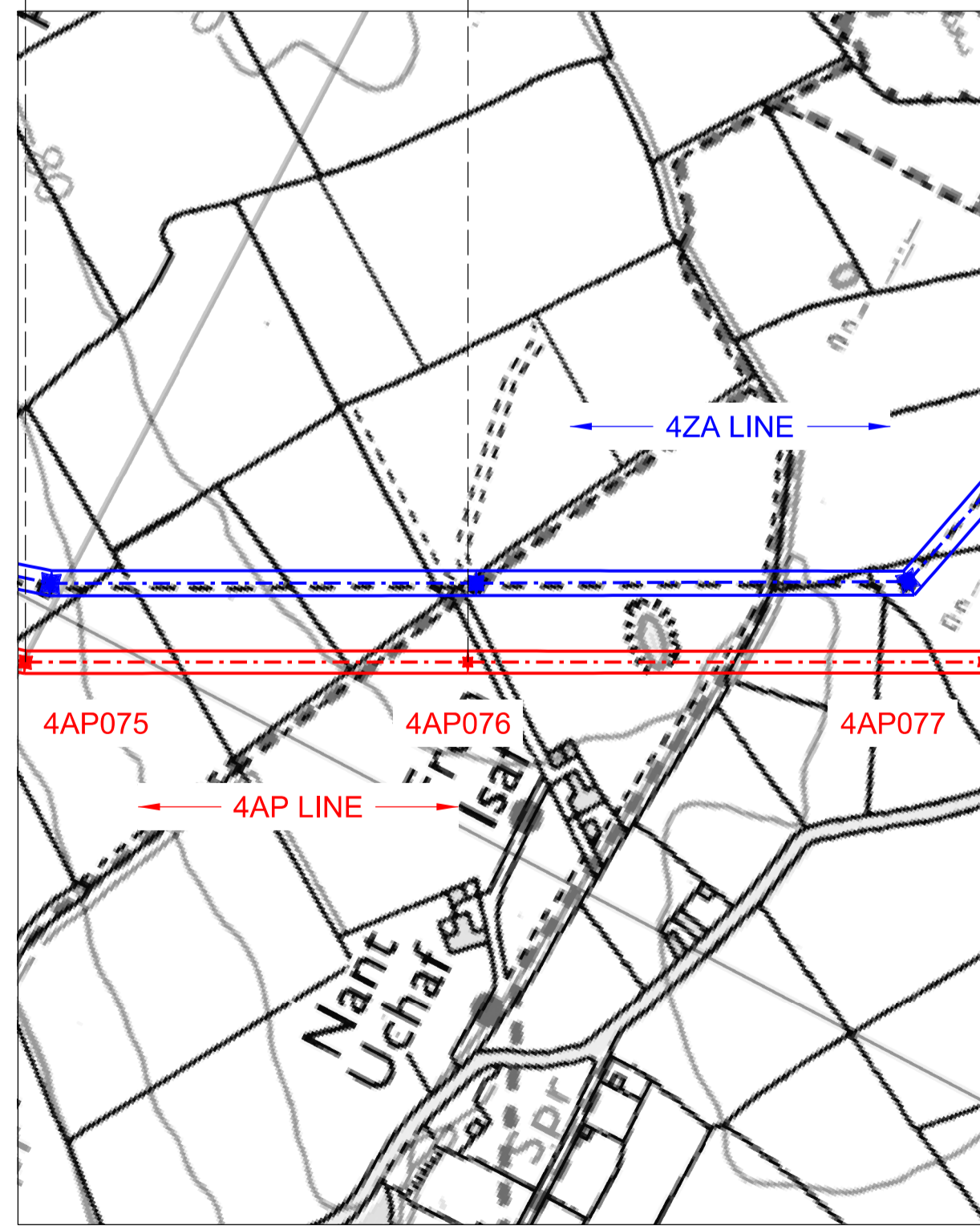
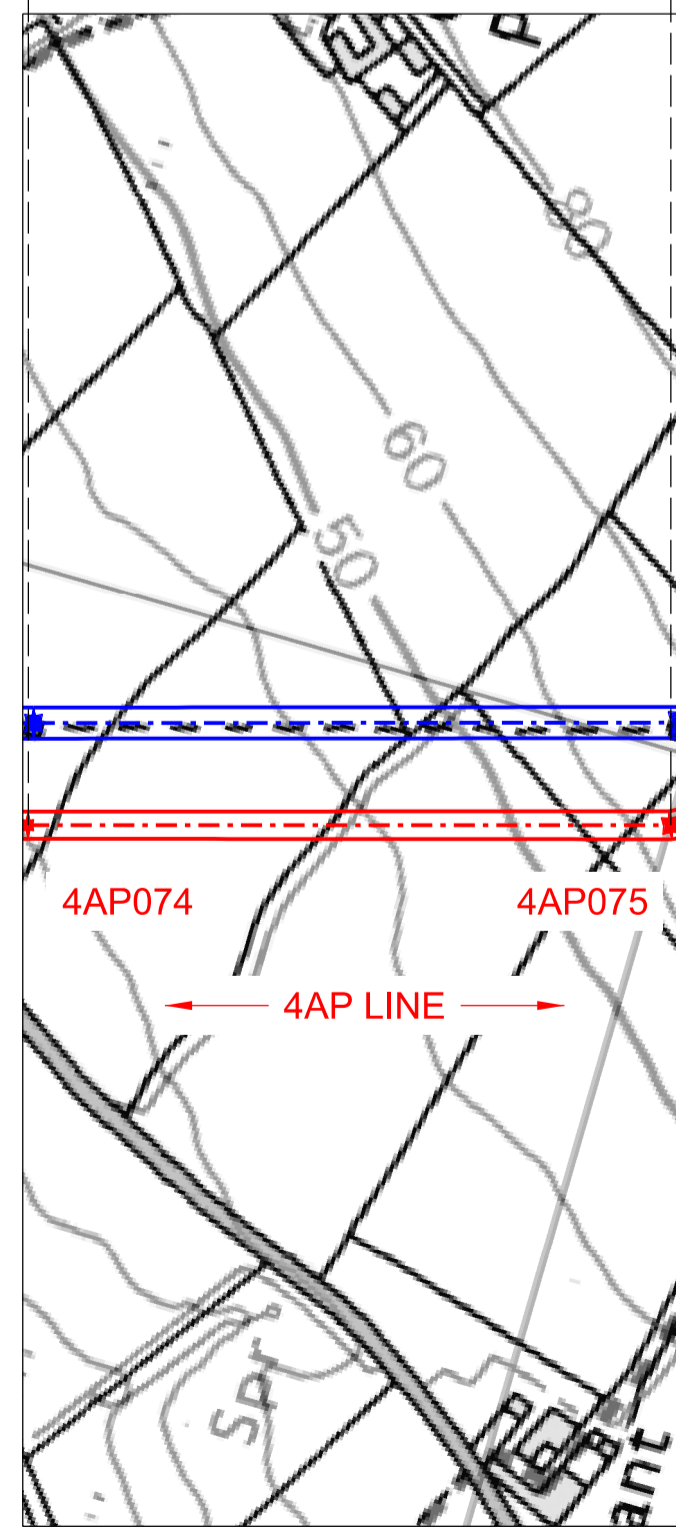
GORCHYMYN NATIONAL GRID (PROSIECT CYSYLLTIAD GOGLEDD CYMRU)
 CYNLLUN DYLUNIO: DARLUN DANGOSOL O BROFFIL Y LLINELLAU UWCHBEN 4AP OPSIWN B
 RHEOLIAD 5(2)(o)
 DALEN 10 O 12

SITE MAP / MAP O'R SAFLE



Legend / Allwedd

- Notes / Nodiadau
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| Issue / Cychodad | Date / Dyddiad | Remarks / Sgrawddau | Drawn / Tynnwyd | Checked / Gwirgwyd | Approved / Cymerwyd |
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| A | | FOR DCO SUBMISSION | JN | MF | RP |

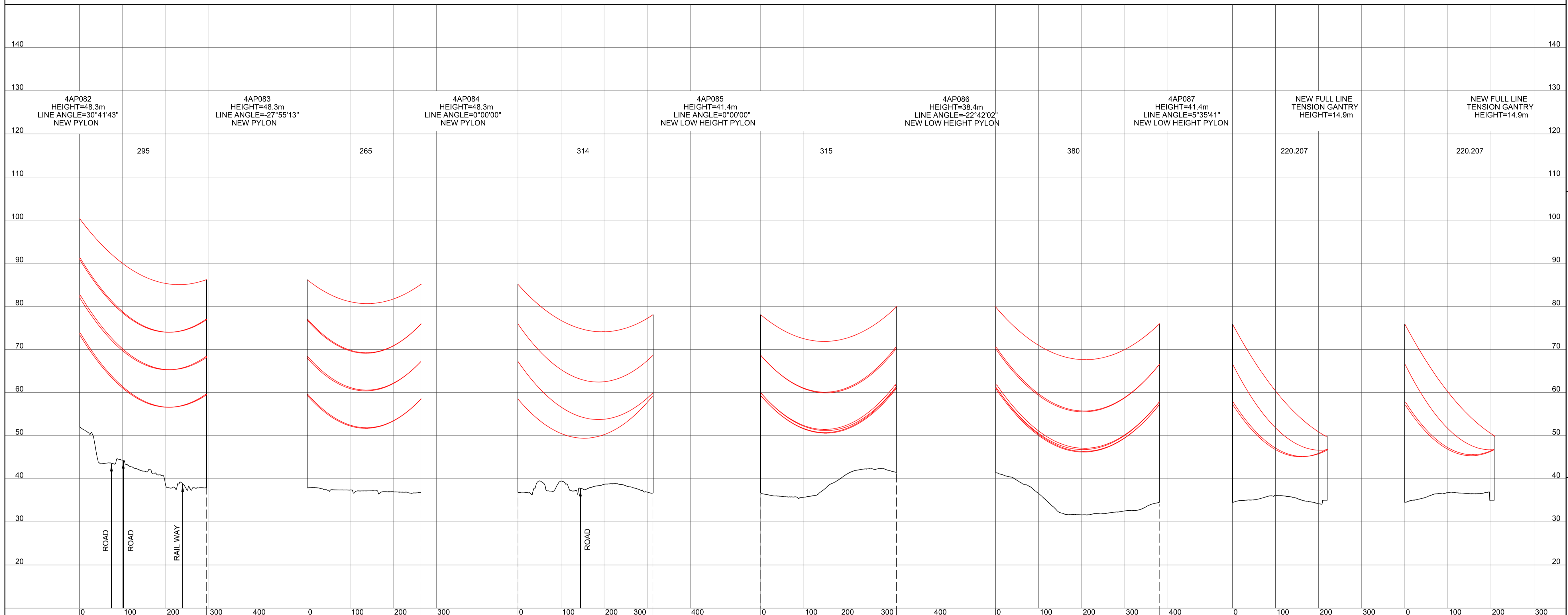
Title / Teitl
 THE NATIONAL GRID (NORTH WALES CONNECTION PROJECT) ORDER
 DESIGN PLAN:
 INDICATIVE OVERHEAD LINE PROFILES
 4AP OPTION B
 REGULATION 5(2)(o)
 SHEET 10 OF 12

GORCHYMYN NATIONAL GRID (PROSIECT CYSYLLTIAD GOGLEDD CYMRU)
 CYNLLUN DYLUNIO:
 DARLUN DANGOSOL O BROFFIL Y LLINELLAU UWCHBEN 4AP OPSIWN B
 RHEOLIAD 5(2)(o)
 DALEN 10 O 12



Application Number / Rhif y Cais
 EN020015
 National Grid Drawing Reference / Cylfeirnod Lluniad National Grid
 DCO_DE/PS/04_10

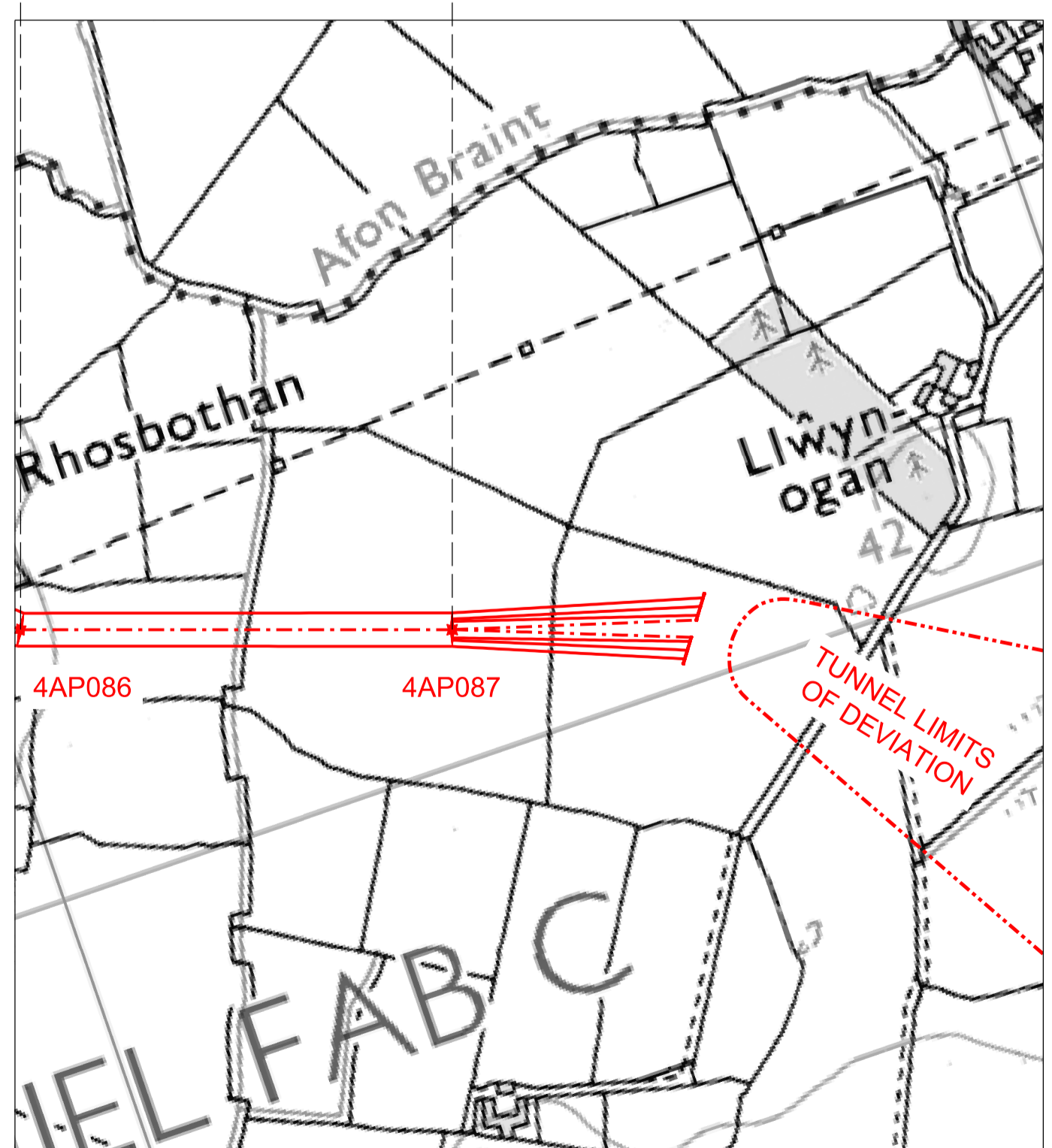
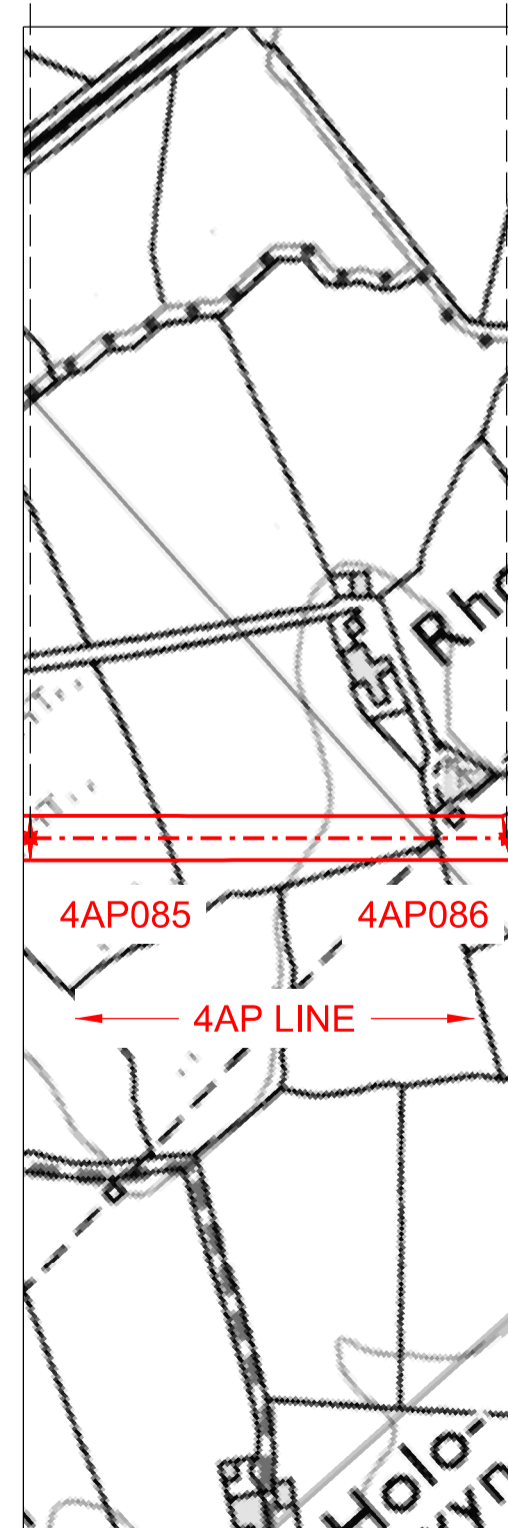
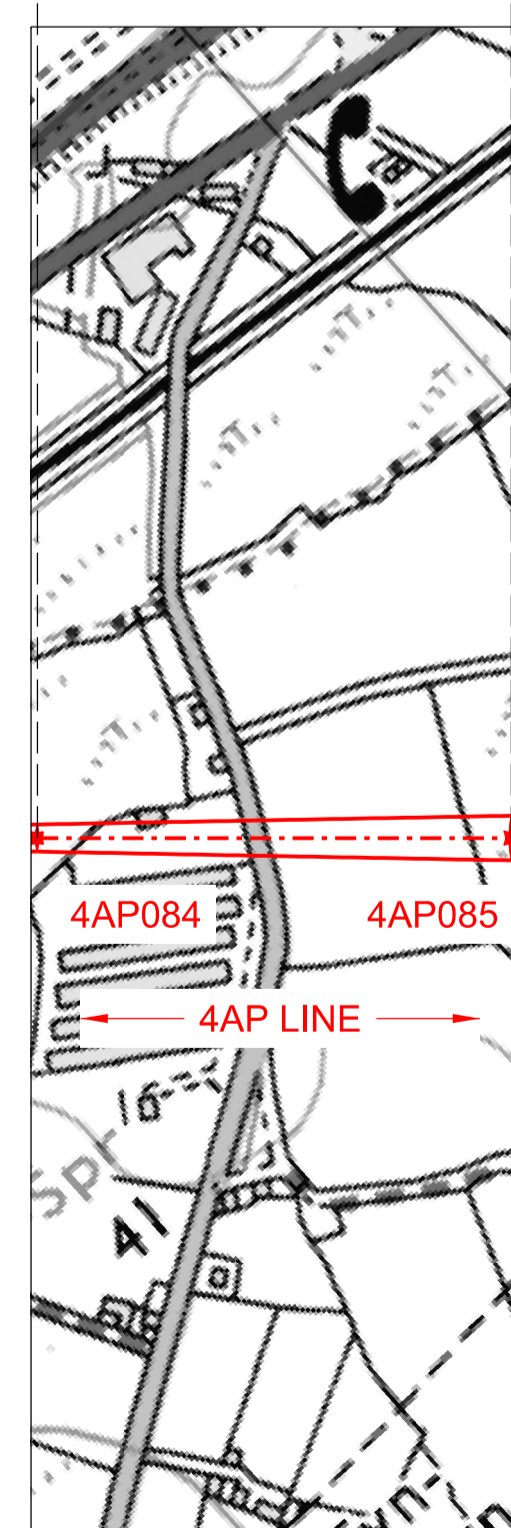
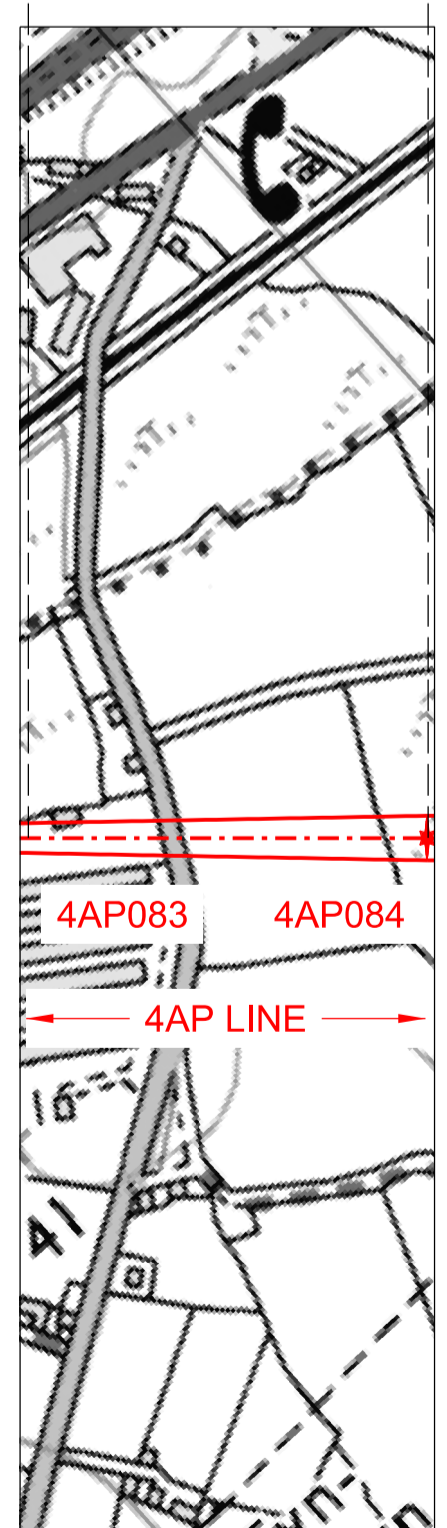
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| Hz = 1:5000 Vert = 1:500 | A1 | SHEET 10 of 12 | A |



Legend / Allwedd

- Notes / Nodiadau
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| Issue / Cychwedd | Date / Dyddiad | Remarks / Sylweddau | Drawn / Tynnwyd | Checked / Gwirio | Approved / Cymerchwydd |
|------------------|----------------|---------------------|-----------------|------------------|------------------------|
| A | | FOR DCO SUBMISSION | JN | MF | RP |

Title / Teitl
 THE NATIONAL GRID (NORTH WALES CONNECTION PROJECT) ORDER
 DESIGN PLAN:
 INDICATIVE OVERHEAD LINE PROFILES
 4AP OPTION B
 REGULATION 5(2)(o)
 SHEET 11 OF 12

GORCHYMYN NATIONAL GRID (PROSIECT CYSYLLTIAD GOGLEDD CYMRU)
 CYNLLUN DYLUNIO:
 DARLUN DANGOSOL O BROFFIL Y LLINELLAU UWCHBEN 4AP OPSIWN B
 RHEOLIAD 5(2)(o)
 DALEN 11 O 12

nationalgrid

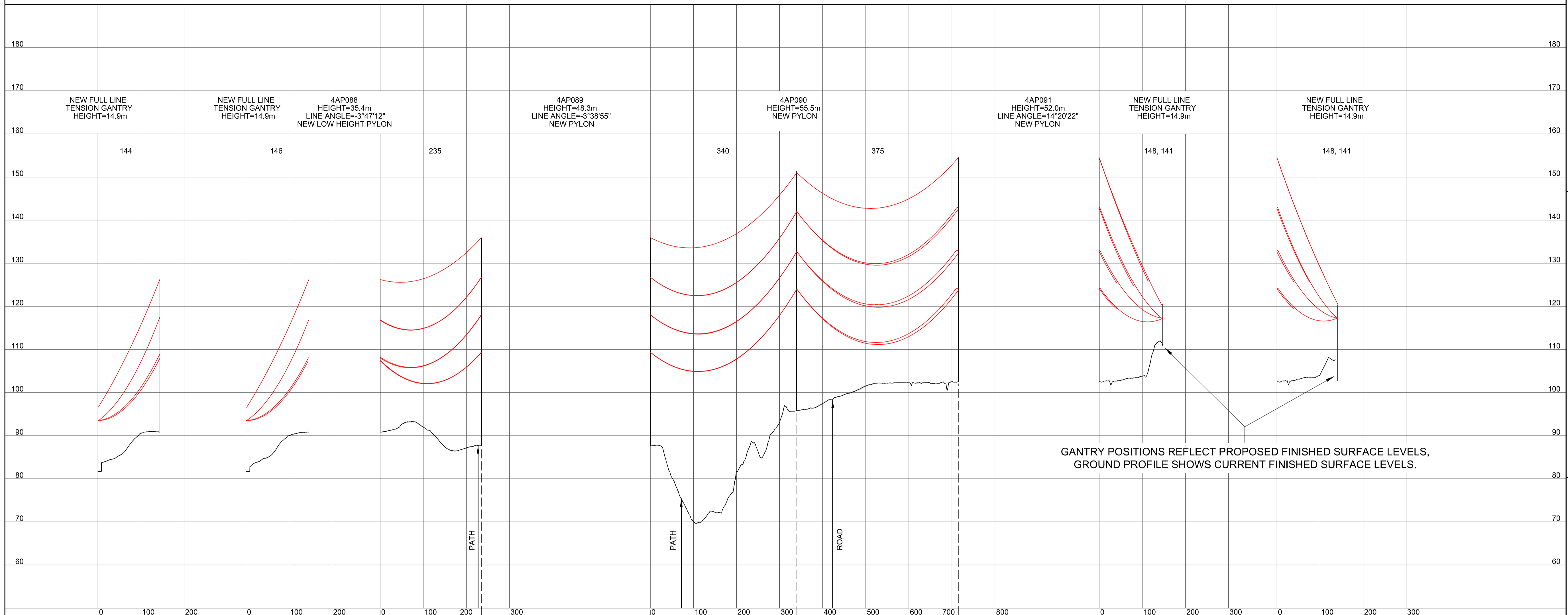
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|------------------------------|-------------------------------|----------------|------------------|
| Hz = 1:5000 Vort = 1:2500 | A1 | SHEET 11 of 12 | A |

THE NATIONAL GRID (NORTH WALES CONNECTION PROJECT) ORDER
 DESIGN PLAN: INDICATIVE OVERHEAD LINE PROFILES 4AP OPTION B
 REGULATION 5(2)(o)
 SHEET 12 OF 12

GORCHYMYN NATIONAL GRID (PROSIECT CYSYLLTIAD GOGLEDD CYMRU)
 CYNLLUN DYLLUNIO: DARLUN DANGOSOL O BROFFIL Y LLINELLAU UWCHBEN 4AP OPSIWN B
 RHEOLIAD 5(2)(o)
 DALEN 12 O 12

SITE MAP / MAP O'R SAFLE

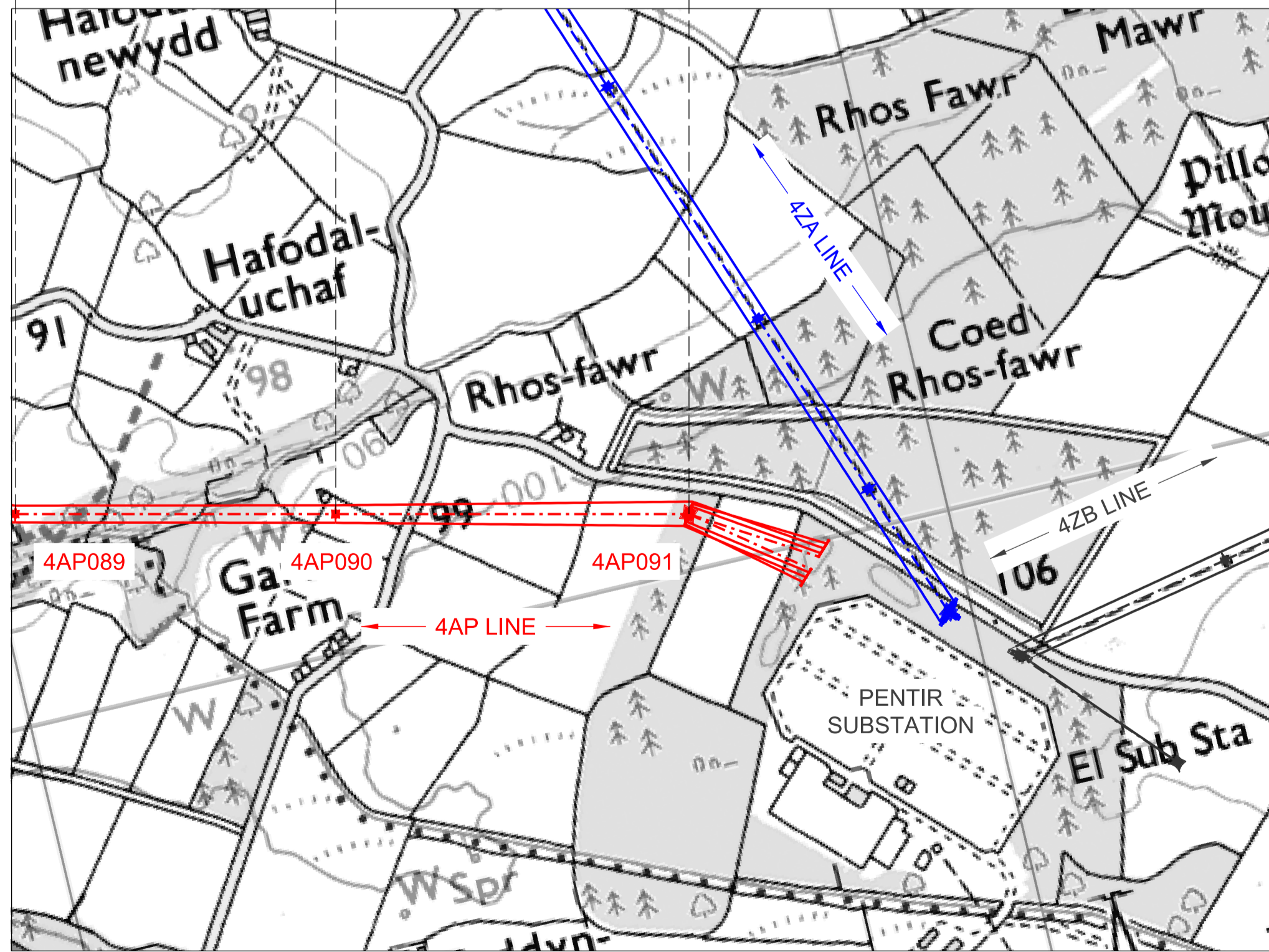
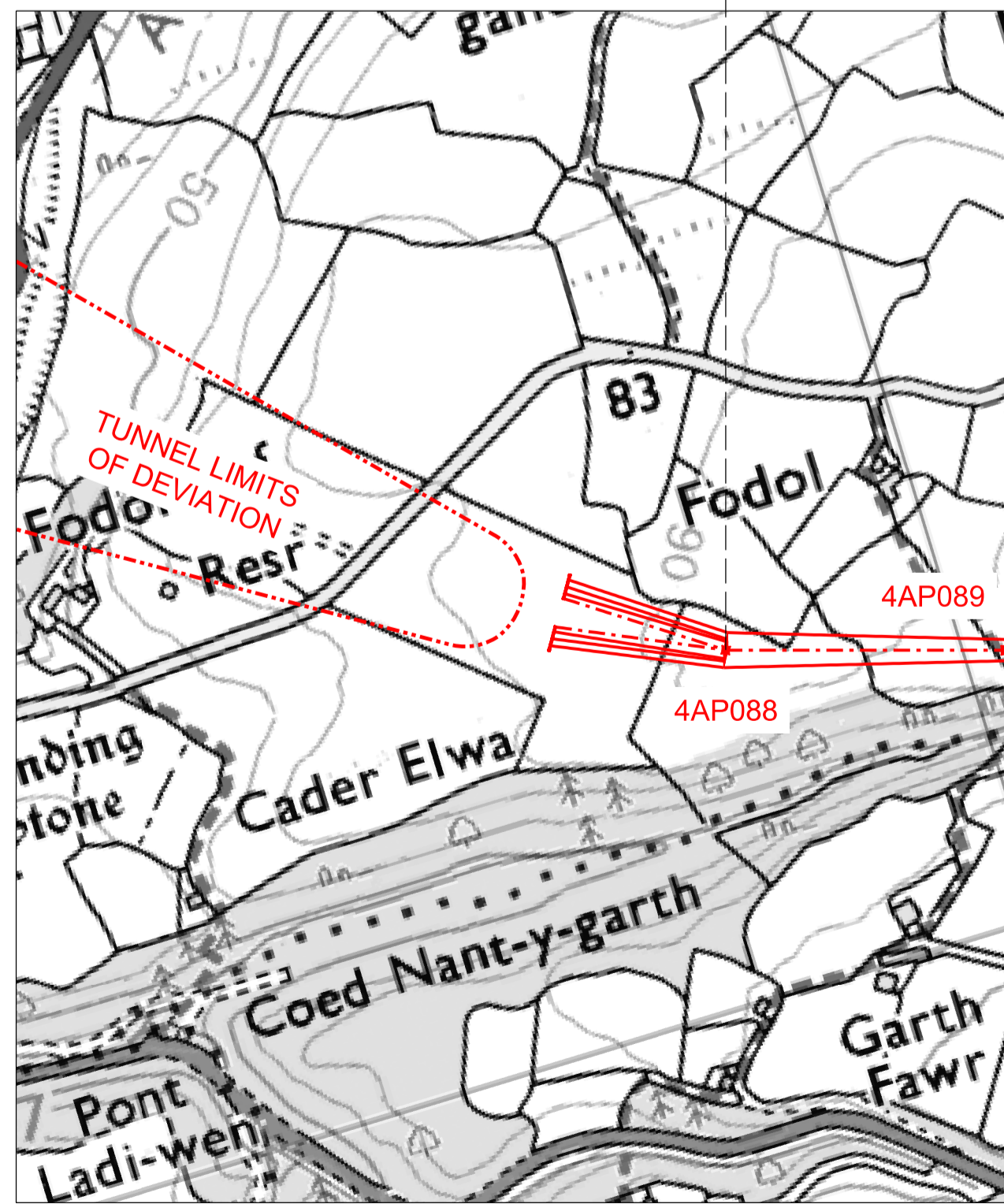


Legend / Allwedd

Notes / Nodiadau

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| Issue / Cychwedd | Date / Dyddiad | Remarks / Sgwârâu | Drawn / Tynnwyd | Checked / Gwirwyd | Approved / Cymerwyd |
|------------------|----------------|--------------------|-----------------|-------------------|---------------------|
| A | | FOR DCO SUBMISSION | JN | MF | RP |

Title / Teitl
 THE NATIONAL GRID (NORTH WALES CONNECTION PROJECT) ORDER
 DESIGN PLAN:
 INDICATIVE OVERHEAD LINE PROFILES
 4AP OPTION B
 REGULATION 5(2)(o)
 SHEET 12 OF 12

GORCHYMYN NATIONAL GRID (PROSIECT CYSYLLTIAD GOGLEDD CYMRU)
 CYNLLUN DYLLUNIO:
 DARLUN DANGOSOL O BROFFIL Y LLINELLAU UWCHBEN 4AP OPSIWN B
 RHEOLIAD 5(2)(o)
 DALEN 12 O 12

nationalgrid

Application Number / Rhif y Cais
 EN020015

National Grid Drawing Reference / Cylfeirnod Lliniad National Grid
 DCO_DE/PS/04_12

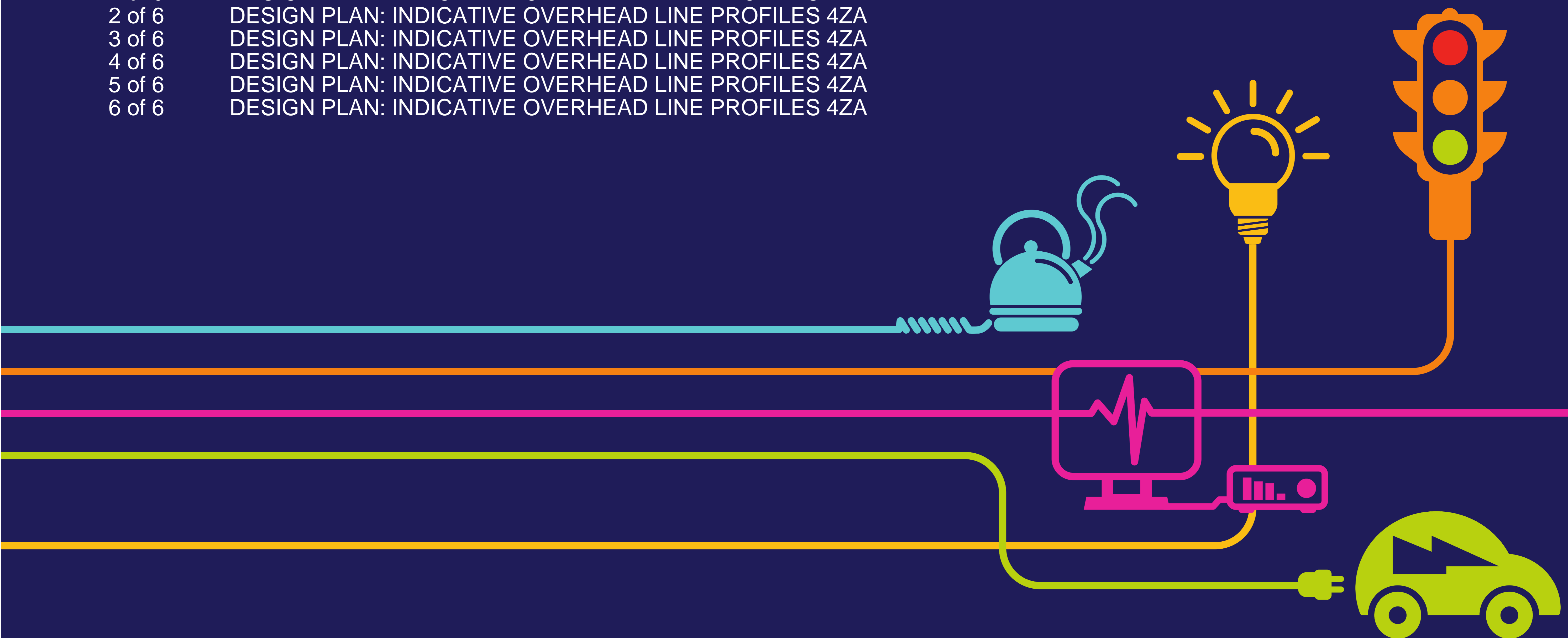
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| Hz = 1:5000 Vort = 1:2500 | A1 | SHEET 12 of 12 | A |

Design Drawings – Indicative Overhead Line Profiles 4ZA

National Grid (North Wales Connection Project)

Drawing References DCO_DE/PS/05_01 to DCO_DE/PS/05_06

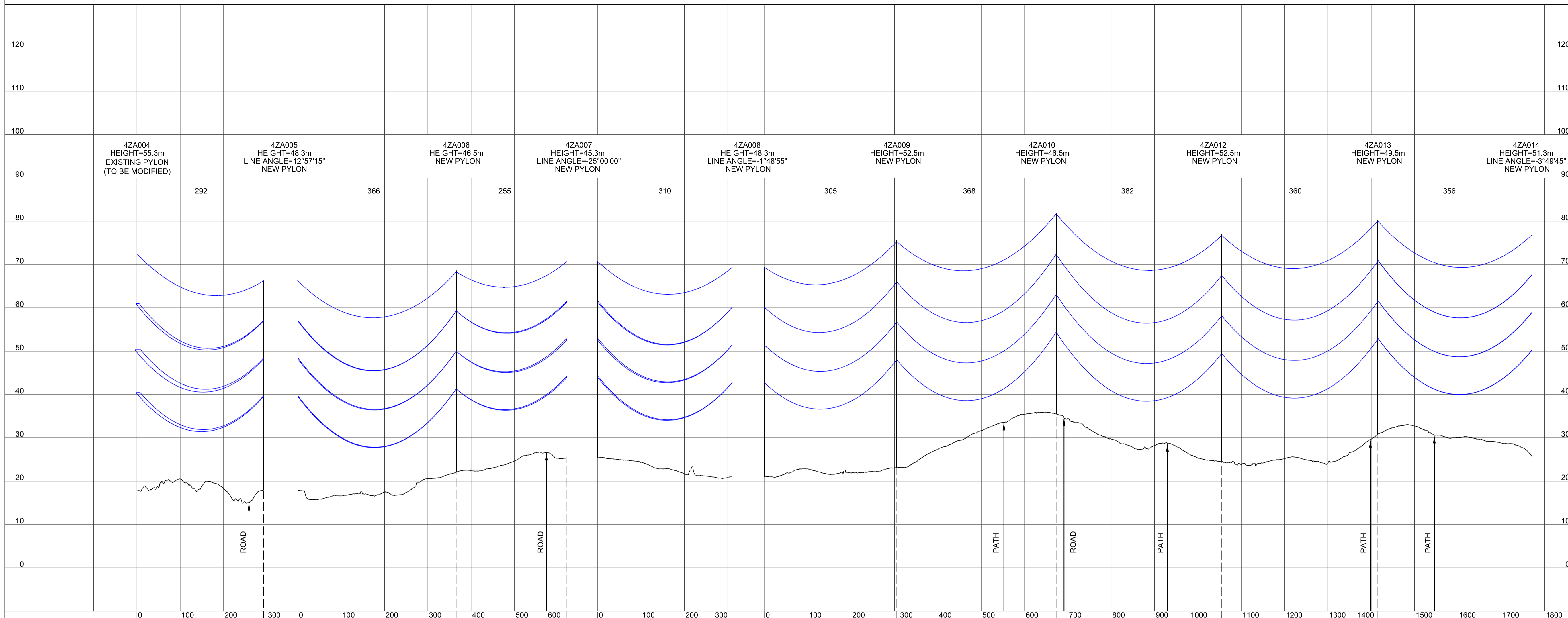
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| 2 of 6 | DESIGN PLAN: INDICATIVE OVERHEAD LINE PROFILES 4ZA |
| 3 of 6 | DESIGN PLAN: INDICATIVE OVERHEAD LINE PROFILES 4ZA |
| 4 of 6 | DESIGN PLAN: INDICATIVE OVERHEAD LINE PROFILES 4ZA |
| 5 of 6 | DESIGN PLAN: INDICATIVE OVERHEAD LINE PROFILES 4ZA |
| 6 of 6 | DESIGN PLAN: INDICATIVE OVERHEAD LINE PROFILES 4ZA |



THE NATIONAL GRID (NORTH WALES CONNECTION PROJECT) ORDER
 DESIGN PLAN: INDICATIVE OVERHEAD LINE PROFILES 4ZA
 REGULATION 5(2)(o)
 SHEET 1 OF 6

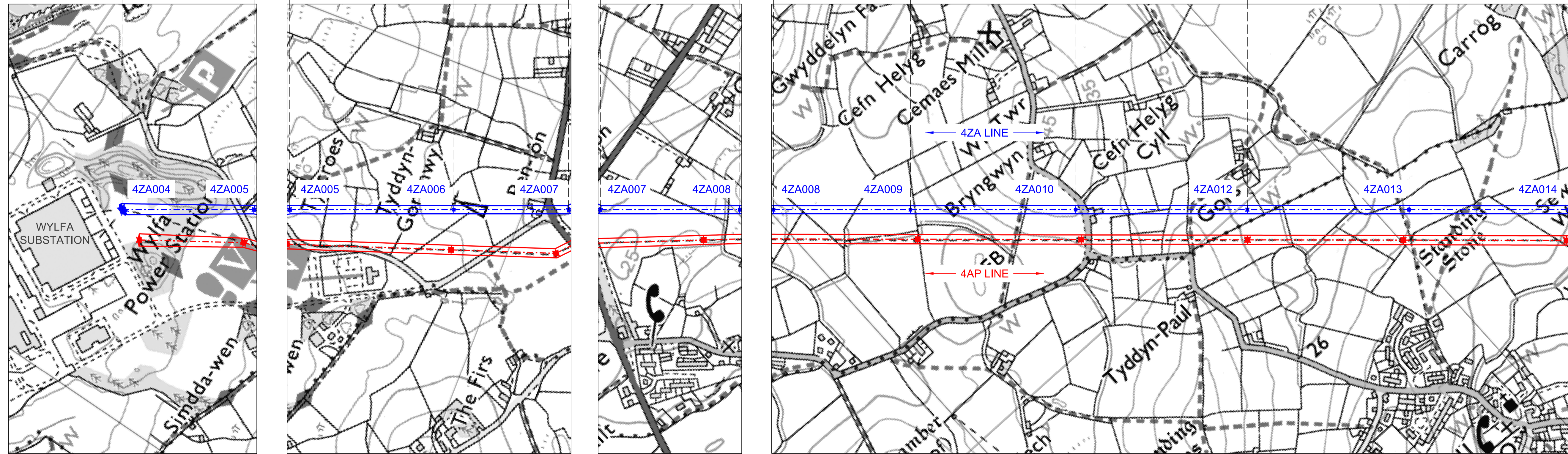
GORCHYMYN NATIONAL GRID (PROSIECT CYSYLLTIAD GOGLEDD CYMRU)
 CYNLLUN DYLLUNIO: DARLUN DANGOSOL O BROFFIL Y LLINELLAU UWCHBEN 4ZA
 RHEOLIAD 5(2)(o)
 DALEN 1 O 6

SITE MAP / MAP O'R SAFLE



Legend / Allwedd

- Notes / Nodiadau
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 3. NO WORKS TO THE 4ZA ROUTE ARE PROPOSED AFTER 4ZA050.
 4. ALL DIMENSIONS ARE IN METRES.
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| Issue / Cylhoeddiad | Date / Dyddiad | Remarks / Sefndebau | Drawn / Tynwyd | Checked / Gwiriwyd | Approved / Cymerwyd |
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| A | | FOR DCO SUBMISSION | JN | MF | RP |

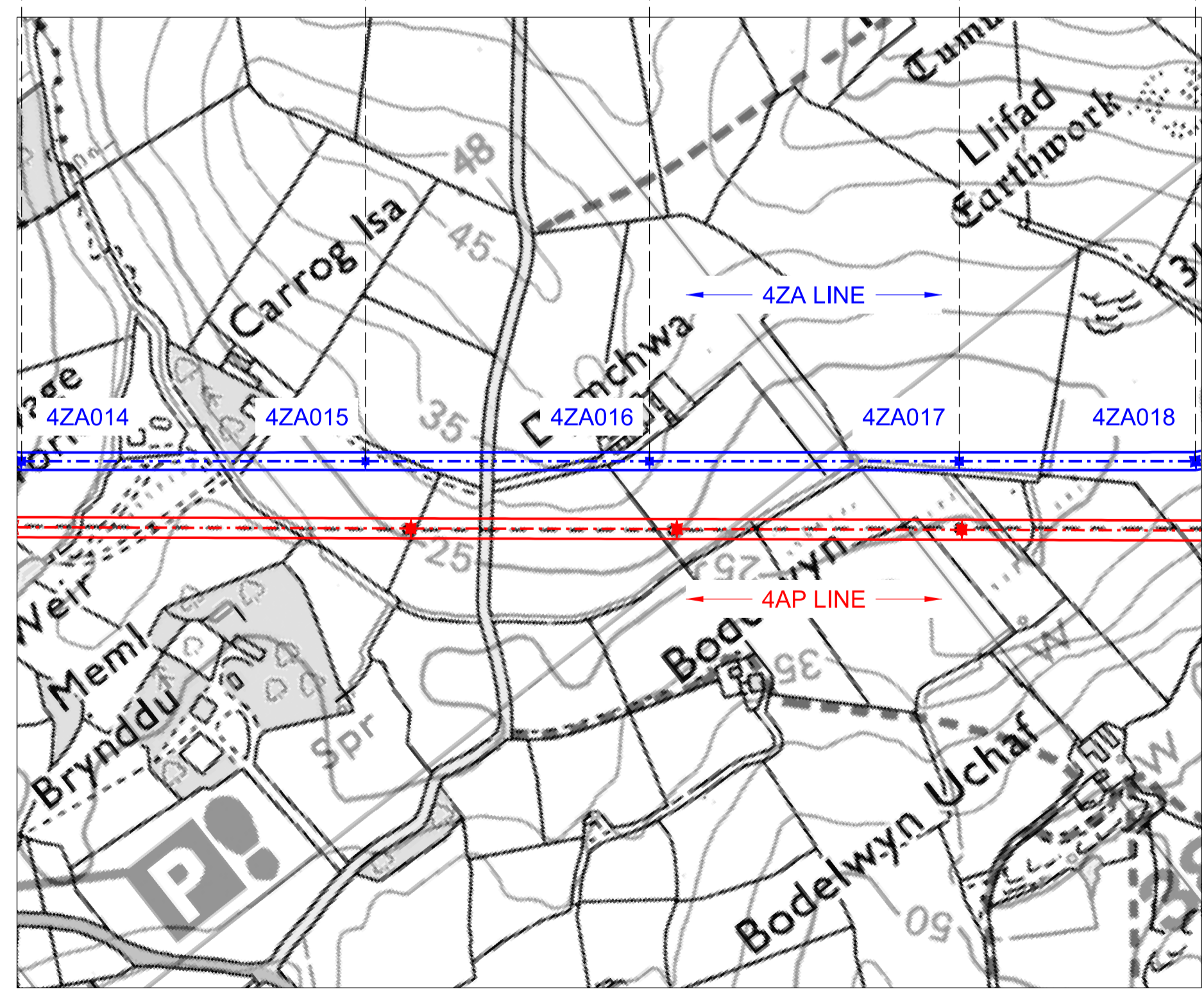
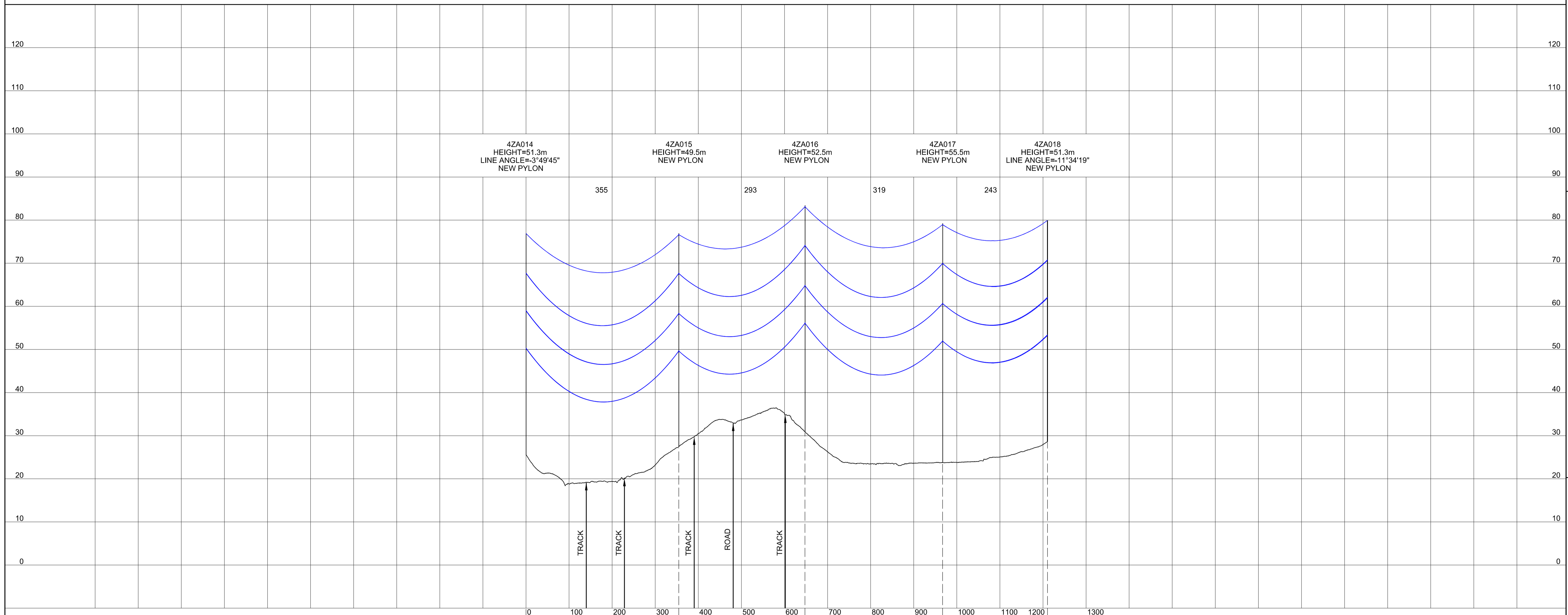
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 THE NATIONAL GRID (NORTH WALES CONNECTION PROJECT) ORDER
 DESIGN PLAN:
 INDICATIVE OVERHEAD LINE PROFILES
 4ZA
 REGULATION 5(2)(o)
 SHEET 1 OF 6
 GORCHYMYN NATIONAL GRID (PROSIECT CYSYLLTIAD GOGLEDD CYMRU)
 CYNLLUN DYLLUNIO:
 DARLUN DANGOSOL O BROFFIL Y LLINELLAU UWCHBEN 4ZA
 RHEOLIAD 5(2)(o)
 DALEN 1 O 6

nationalgrid

Application Number / Rhif y Cais
 EN020015

National Grid Drawing Reference / Cylfrimod Lluniad National Grid
 DCO_DE/PS/05_01

| Scale / Graddfa | Sheet Size / Mensi / Sizen | Sheet / Dafen | Issue / Cylhoeddiad |
|-----------------------------|----------------------------|---------------|---------------------|
| Hz = 1:5000 Vert = 1:500 | A1 | SHEET 1 of 6 | A |



Legend / Allwedd

- Notes / Nodiadau**
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| Drawn / Dyluniodd | Date / Dyddiad | Remarks / Sêbadau | Drawn / Tynnydd | Checked / Gwirio | Approved / Cymeroddwyd |
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Title / Teitl
 THE NATIONAL GRID
 (NORTH WALES CONNECTION PROJECT) ORDER
 DESIGN PLAN:
 INDICATIVE OVERHEAD LINE PROFILES
 4ZA
 REGULATION 5(2)(o)
 SHEET 2 OF 6

GORCHYMYN NATIONAL GRID
 (PROSIECT CYSYLLTIAD GOGLEDD CYMRU)
 CYNLLUN DYLUNIO:
 DARLUN DANGOSOL O BROFFIL Y LLINELLAU
 UWCHBEN 4ZA
 RHEOLIAD 5(2)(o)
 DALEN 2 O 6



Application Number / Rhif y Cais: EN020015

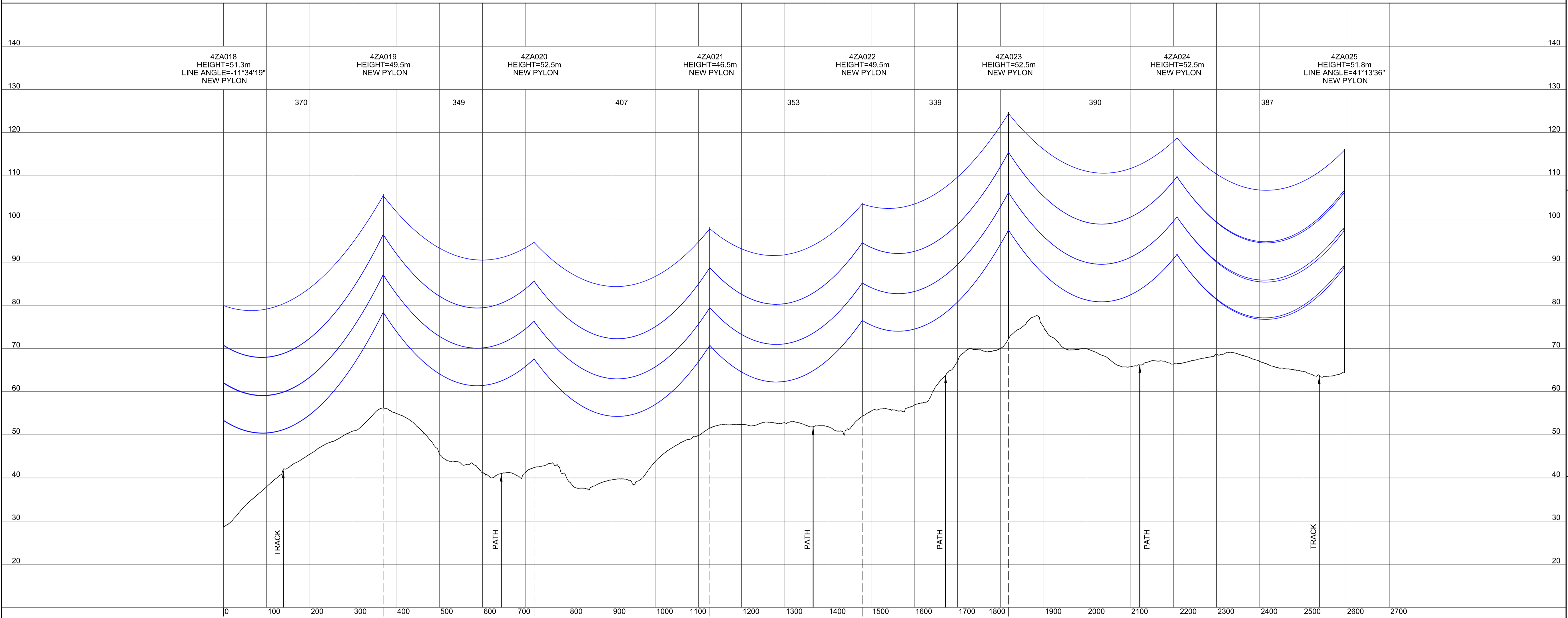
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| Hz = 1:5000 Vert = 1:500 | A1 | SHEET 2 of 6 | A |

THE NATIONAL GRID (NORTH WALES CONNECTION PROJECT) ORDER
 DESIGN PLAN: INDICATIVE OVERHEAD LINE PROFILES 4ZA
 REGULATION 5(2)(o)
 SHEET 3 OF 6

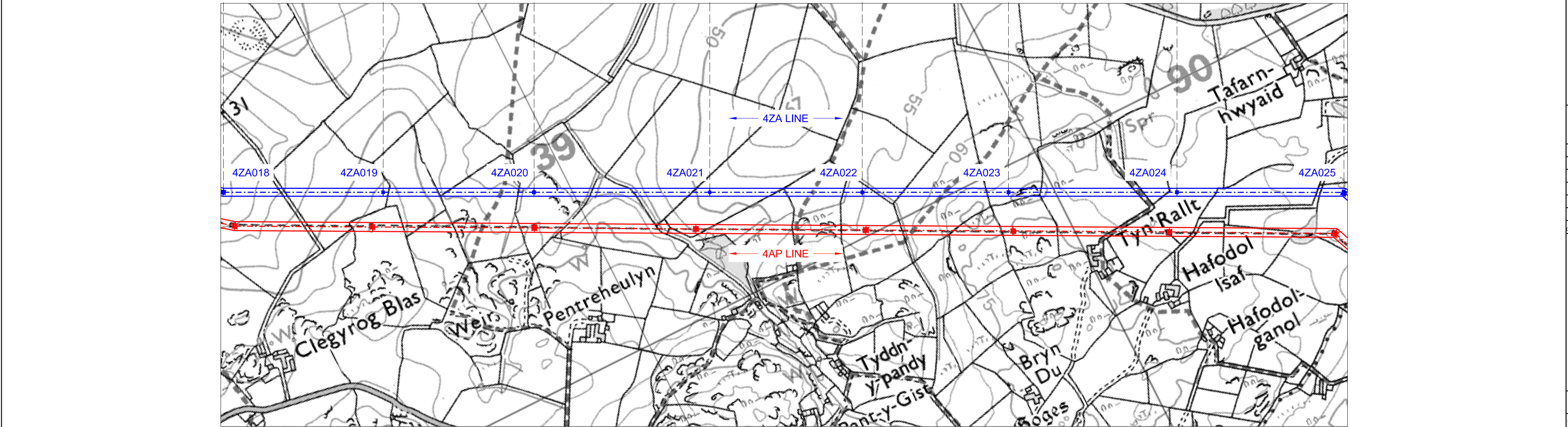
GORCHYMYN NATIONAL GRID (PROSIECT CYSYLLTIAD GOGLEDD CYMRU)
 CYNLLUN DYLUNIO: DARLUN DANGOSOL O BROFFIL Y LLINELLAU UWCHBEN 4ZA
 RHEOLIAD 5(2)(o)
 DALEN 3 O 6

SITE MAP / MAP O'R SAFLE



Legend / Allwedd

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| Issue / Cychwedd | Date / Dyddiad | Remarks / Sylwadau | Drawn / Tynnwyd | Checked / Gwirio | Approved / Cymeroddwyd |
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| A | | FOR DCO SUBMISSION | JN | MF | RP |

Title / Teitl
 THE NATIONAL GRID
 (NORTH WALES CONNECTION PROJECT) ORDER
 DESIGN PLAN:
 INDICATIVE OVERHEAD LINE PROFILES
 4ZA
 REGULATION 5(2)(o)
 SHEET 3 OF 6

GORCHYMYN NATIONAL GRID
 (PROSIECT CYSYLLTIAD GOGLEDD CYMRU)
 CYNLLUN DYLUNIO:
 DARLUN DANGOSOL O BROFFIL Y LLINELLAU
 UWCHBEN 4ZA
 RHEOLIAD 5(2)(o)
 DALEN 3 O 6



Application Number / Rhif y Cais: EN020015

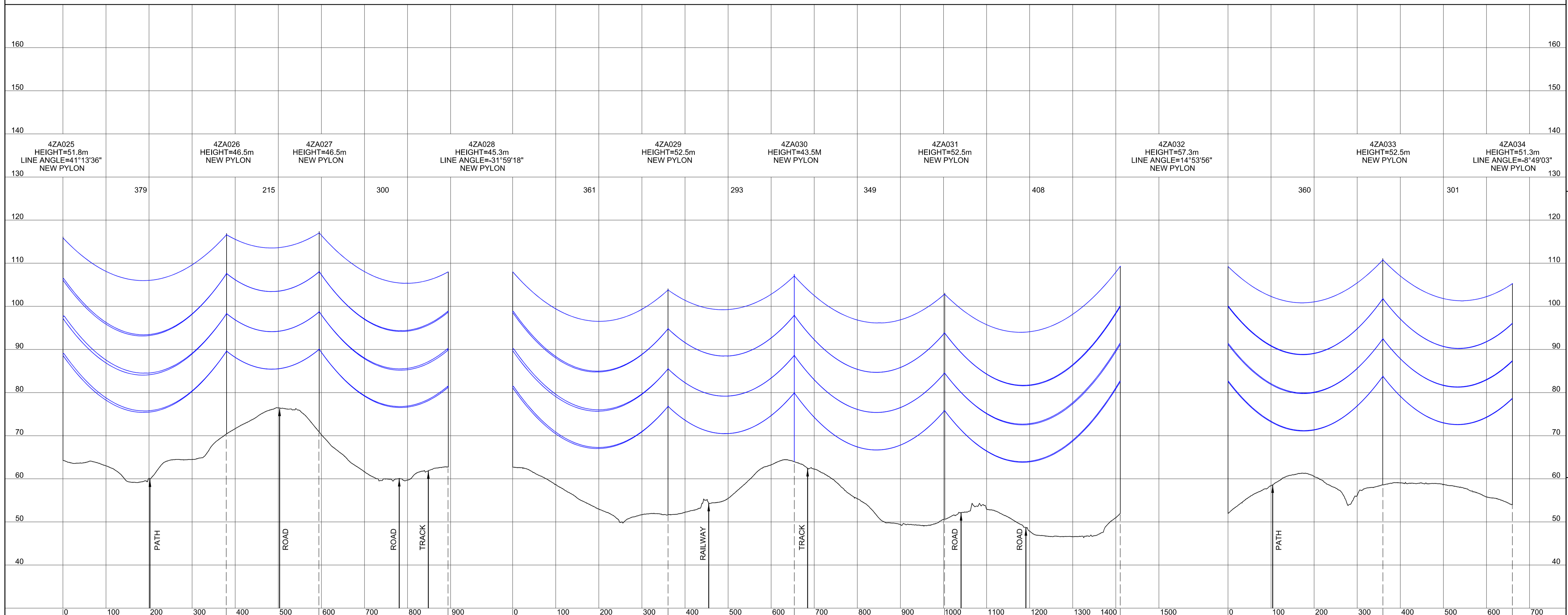
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| Hz = 1:5000 Vert = 1:500 | A1 | SHEET 3 of 6 | A |

THE NATIONAL GRID (NORTH WALES CONNECTION PROJECT) ORDER
 DESIGN PLAN: INDICATIVE OVERHEAD LINE PROFILES 4ZA
 REGULATION 5(2)(o)
 SHEET 4 OF 6

GORCHYMYN NATIONAL GRID (PROSIECT CYSYLLTIAD GOGLEDD CYMRU)
 CYNLLUN DYLUNIO: DARLUN DANGOSOL O BROFFIL Y LLINELLAU UWCHBEN 4ZA
 RHEOLIAD 5(2)(o)
 DALEN 4 O 6

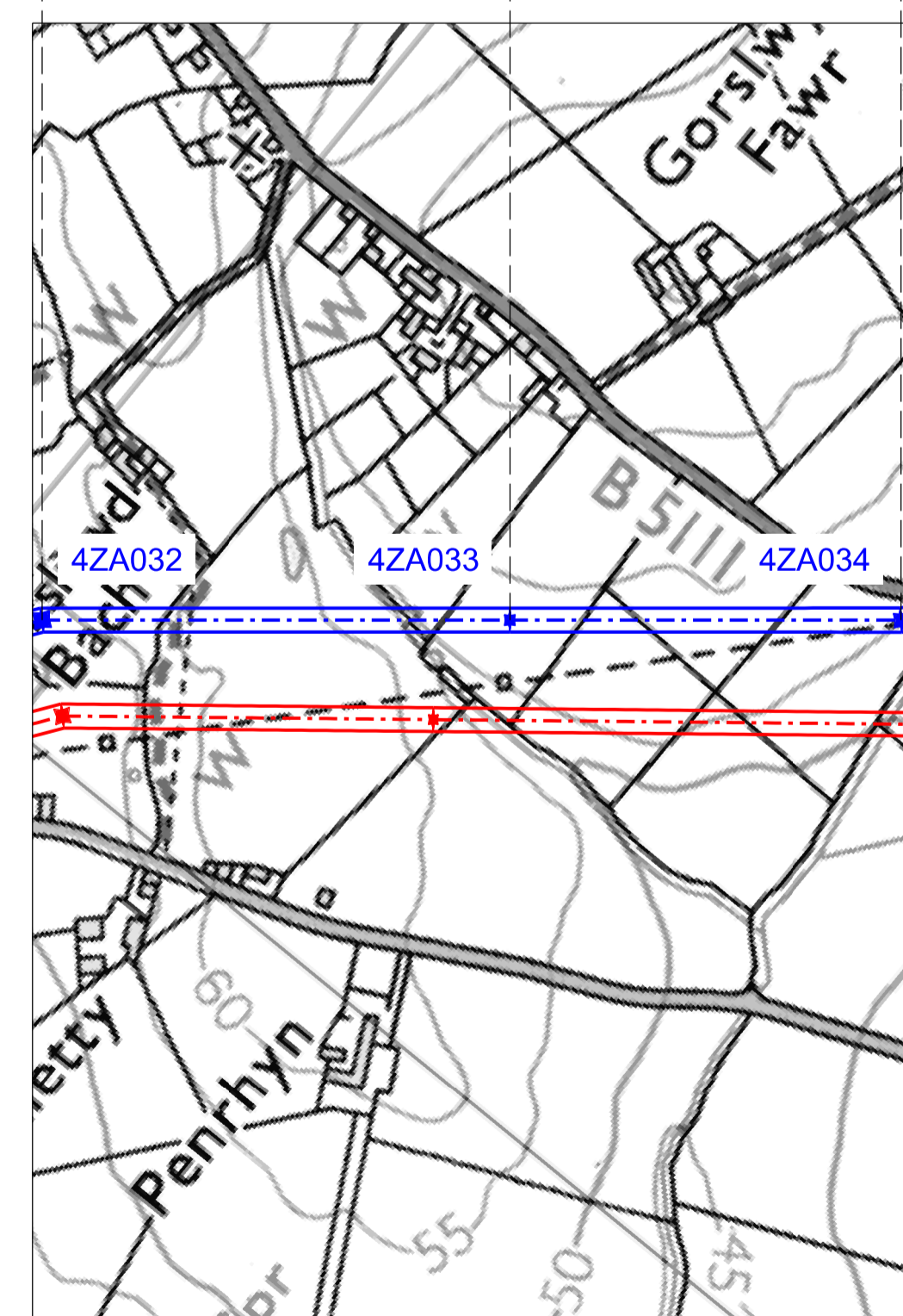
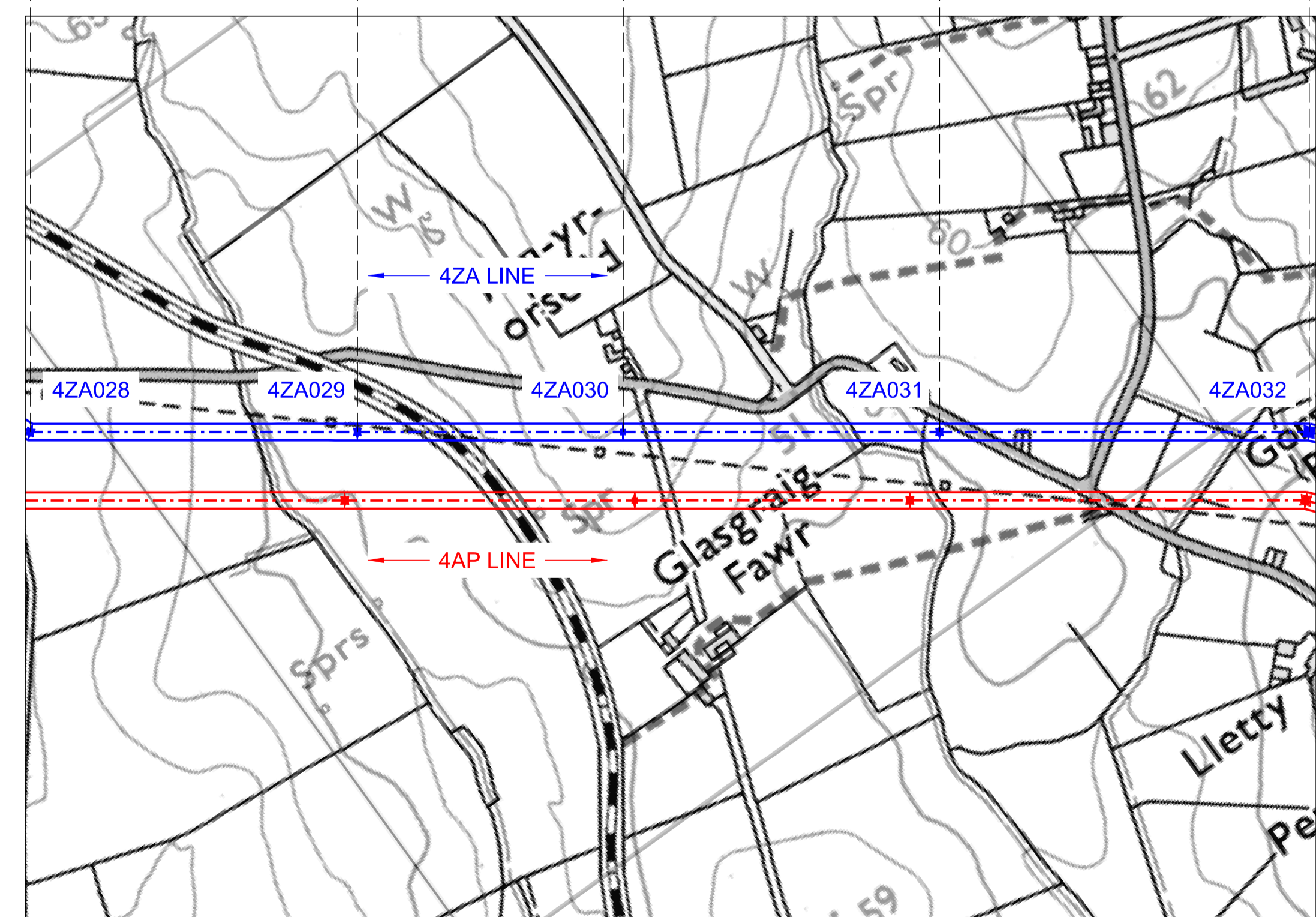
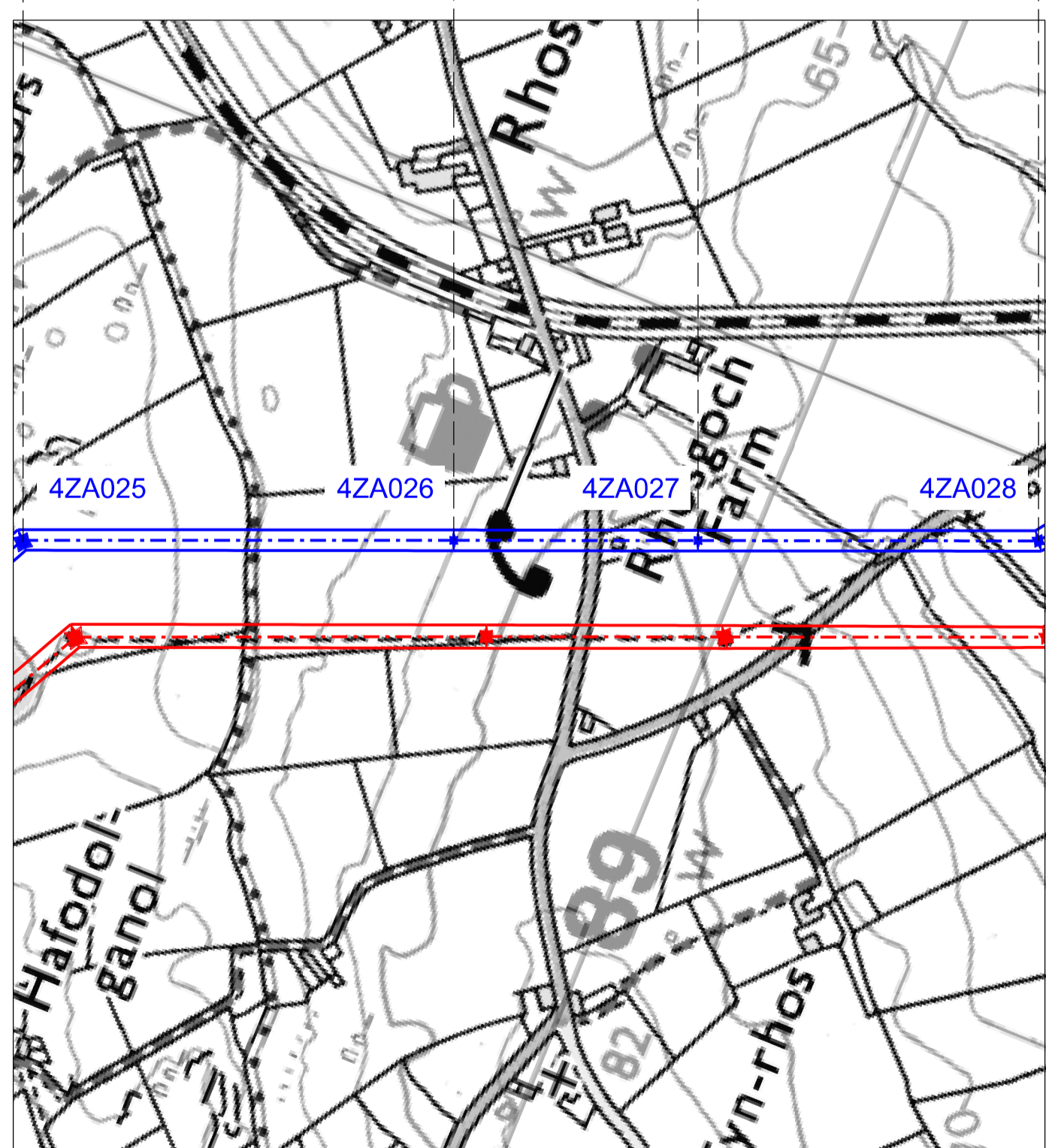
SITE MAP / MAP O'R SAFLE



Legend / Allwedd

- Notes / Nodiadau**
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 - TO BE READ IN CONJUNCTION WITH - DRAWING NUMBER DCO_DE/PS/02_01.
 - NO WORKS TO THE 4ZA ROUTE ARE PROPOSED AFTER 4ZA050.
 - ALL DIMENSIONS ARE IN METRES.
 - PLAN AND PROFILES SHOW PROPOSED 400kV PYLON LOCATIONS AND HEIGHTS (INCLUDING CONDUCTORS AND/OR ASSOCIATED EQUIPMENT) AND MAY CHANGE SUBJECT TO ARTICLE 5 (LIMITS OF DEVIATION) OF THE DCO (DOCUMENT 2.1).
 - PROPOSED PROFILES BASED ON STATUTORY SAFETY CLEARANCES.
 - TREES AND VEGETATION ARE NOT SHOWN FOR CLARITY.

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| Issue / Cyhoeddiad | Date / Dyddiad | Remarks / Sgôrion | Drawn / Tynnydd | Checked / Gwirio | Approved / Cymerodd |
|--------------------|----------------|--------------------|-----------------|------------------|---------------------|
| A | | FOR DCO SUBMISSION | JN | MF | RP |

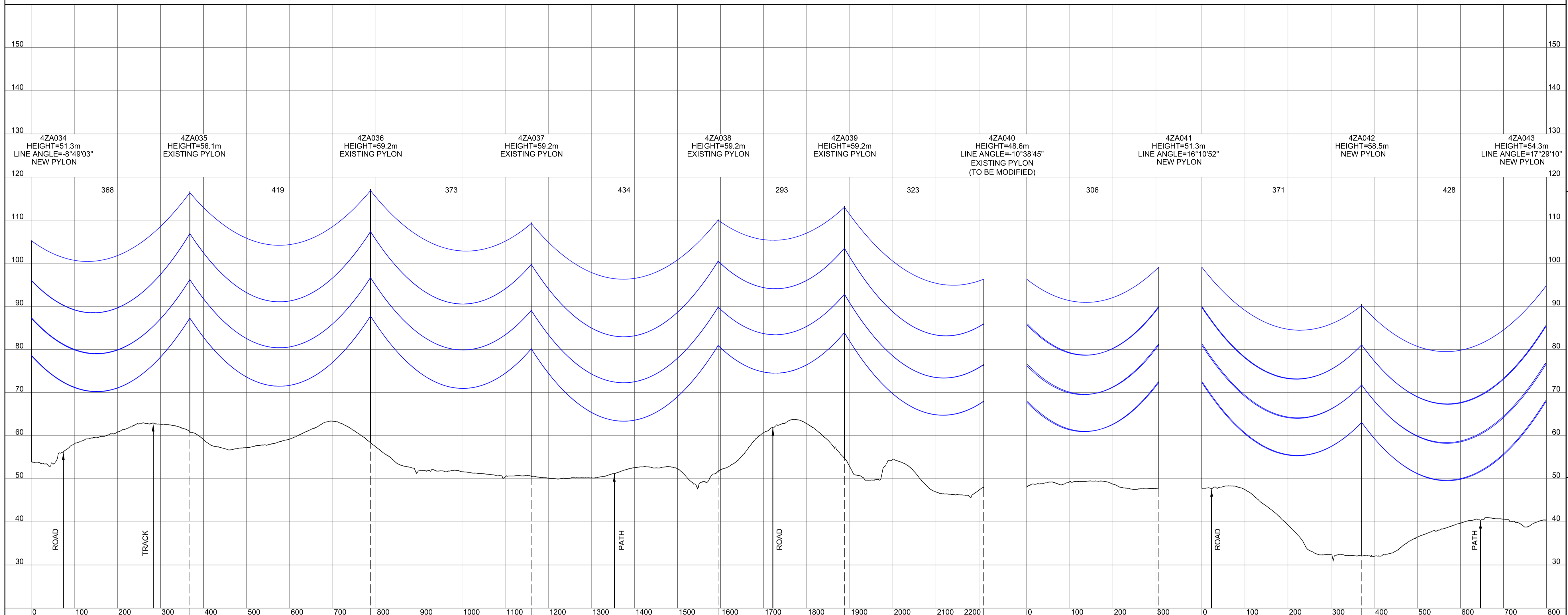
Title / Teitl
 THE NATIONAL GRID
 (NORTH WALES CONNECTION PROJECT) ORDER
 DESIGN PLAN:
 INDICATIVE OVERHEAD LINE PROFILES
 4ZA
 REGULATION 5(2)(o)
 SHEET 4 OF 6

**GORCHYMYN NATIONAL GRID
 (PROSIECT CYSYLLTIAD GOGLEDD CYMRU)
 CYNLLUN DYLUNIO:
 DARLUN DANGOSOL O BROFFIL Y LLINELLAU
 UWCHBEN 4ZA
 RHEOLIAD 5(2)(o)
 DALEN 4 O 6**

nationalgrid

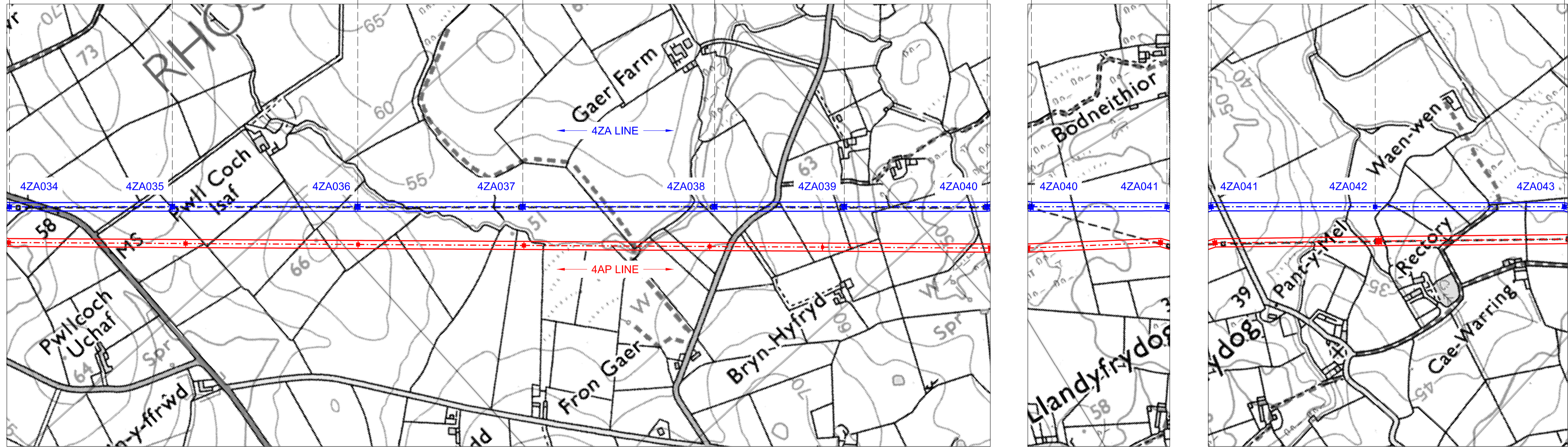
Application Number / Rhif y Cais: EN020015
 National Grid Drawing Reference / Cylfeirnod Lliniad National Grid: DCO_DE/PS/05_04

| Scale / Graddfa | Sheet Size / Mensi Yr Awdal | Sheet / Dalen | Issue / Cyhoeddiad |
|------------------------------|-----------------------------|---------------|--------------------|
| Hz = 1:5000 Vort = 1:2500 | A1 | SHEET 4 of 6 | A |



Legend / Allwedd

- Notes / Nodiadau
- THIS DRAWING IS SCALED AT PAPER SIZE A1. THEREFORE ANY PRINTS TAKEN AT SMALLER SIZES WILL AFFECT ACCURACY OF THE MEASUREMENT UNITS AND SHOULD NOT BE SCALED AGAINST.
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| Issue / Cychoddedd | Date / Dyddiad | Remarks / Sylweddau | Drawn / Tynnwyd | Checked / Gwirgwyd | Approved / Cymerwyd |
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Title / Teitl
 THE NATIONAL GRID (NORTH WALES CONNECTION PROJECT) ORDER
 DESIGN PLAN:
 INDICATIVE OVERHEAD LINE PROFILES
 4ZA
 REGULATION 5(2)(o)
 SHEET 5 OF 6

GORCHYMYN NATIONAL GRID (PROSIECT CYSYLLTIAD GOGLEDD CYMRU)
 CYNLLUN DYLLUNIO:
 DARLUN DANGOSOL O BROFFIL Y LLINELLAU UWCHBEN 4ZA
 RHEOLIAD 5(2)(o)
 DALEN 5 O 6

nationalgrid

Application Number / Rhif y Cais
 EN020015

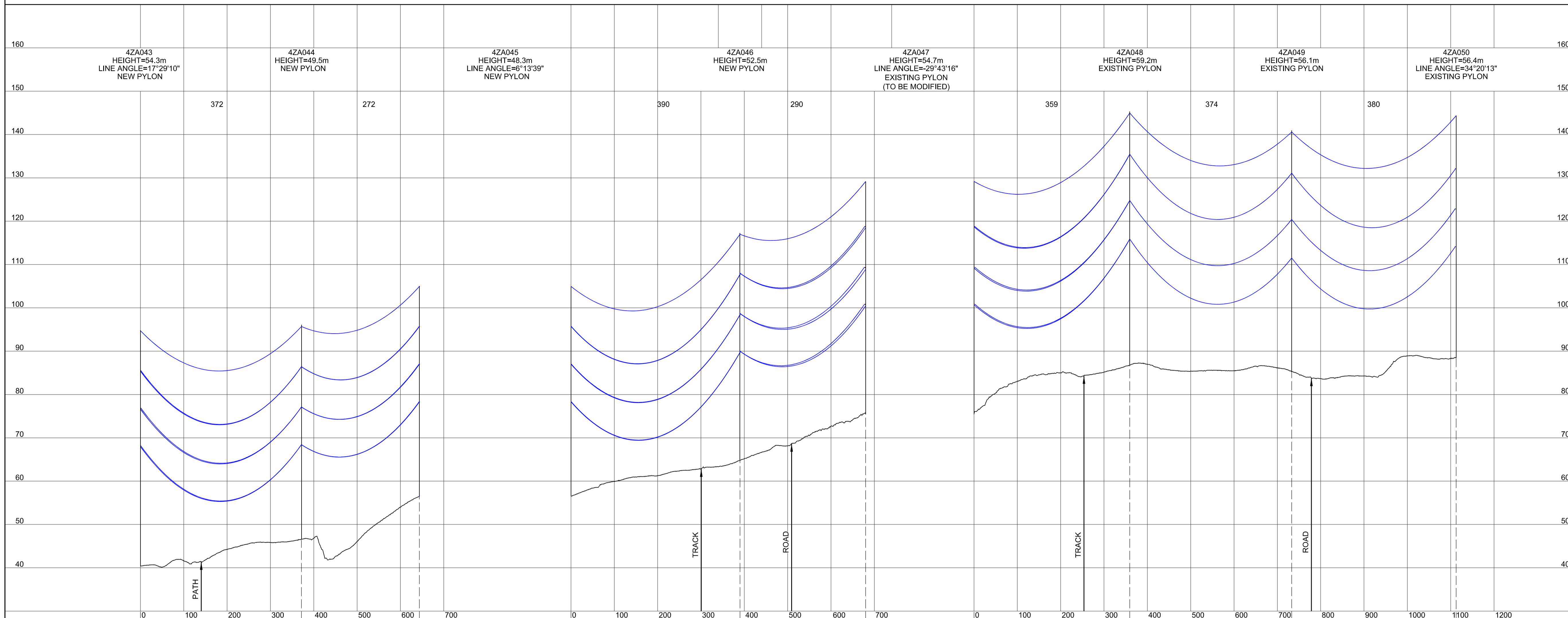
National Grid Drawing Reference / Cylfeirnod Lluniad National Grid
 DCO_DE/PS/05_06

| Scale / Graddfa | Sheet Size / Mensi / Sizen | Sheet / Dalen | Issue / Cychoddedd |
|-----------------------------|----------------------------|---------------|--------------------|
| Hz = 1:5000 Vert = 1:500 | A1 | SHEET 5 of 6 | A |

THE NATIONAL GRID (NORTH WALES CONNECTION PROJECT) ORDER
 DESIGN PLAN: INDICATIVE OVERHEAD LINE PROFILES 4ZA
 REGULATION 5(2)(o)
 SHEET 6 OF 6

GORCHYMYN NATIONAL GRID (PROSIECT CYSYLLTIAD GOGLEDD CYMRU)
 CYNLLUN DYLLUNIO: DARLUN DANGOSOL O BROFFIL Y LLINELLAU UWCHBEN 4ZA
 RHEOLIAD 5(2)(o)
 DALEN 6 O 6

SITE MAP / MAP O'R SAFLE



Legend / Allwedd

- Notes / Nodiadau
1. THIS DRAWING IS SCALED AT PAPER SIZE A1. THEREFORE ANY PRINTS TAKEN AT SMALLER SIZES WILL AFFECT ACCURACY OF THE MEASUREMENT UNITS AND SHOULD NOT BE SCALED AGAINST.
 2. TO BE READ IN CONJUNCTION WITH - DRAWING NUMBER DCO_DE/PS/02_01.
 3. NO WORKS TO THE 4ZA ROUTE ARE PROPOSED AFTER 4ZA050.
 4. ALL DIMENSIONS ARE IN METRES.
 5. PLAN AND PROFILES SHOW PROPOSED 400KV PYLON LOCATIONS AND HEIGHTS (INCLUDING CONDUCTORS AND/OR ASSOCIATED EQUIPMENT) AND MAY CHANGE SUBJECT TO ARTICLE 5 (LIMITS OF DEVIATION) OF THE DCO (DOCUMENT 2.1).
 6. PROPOSED PROFILES BASED ON STATUTORY SAFETY CLEARANCES.
 7. TREES AND VEGETATION ARE NOT SHOWN FOR CLARITY.

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| Issue / Cylhoeddiad | Date / Dyddiad | Remarks / Sefndebau | Drawn / Tynnwyd | Checked / Gwirgwyd | Approved / Cymersodwyd |
|---------------------|----------------|---------------------|-----------------|--------------------|------------------------|
| A | | FOR DCO SUBMISSION | JN | MF | RP |

Title / Teitl
 THE NATIONAL GRID (NORTH WALES CONNECTION PROJECT) ORDER
 DESIGN PLAN:
 INDICATIVE OVERHEAD LINE PROFILES
 4ZA
 REGULATION 5(2)(o)
 SHEET 6 OF 6

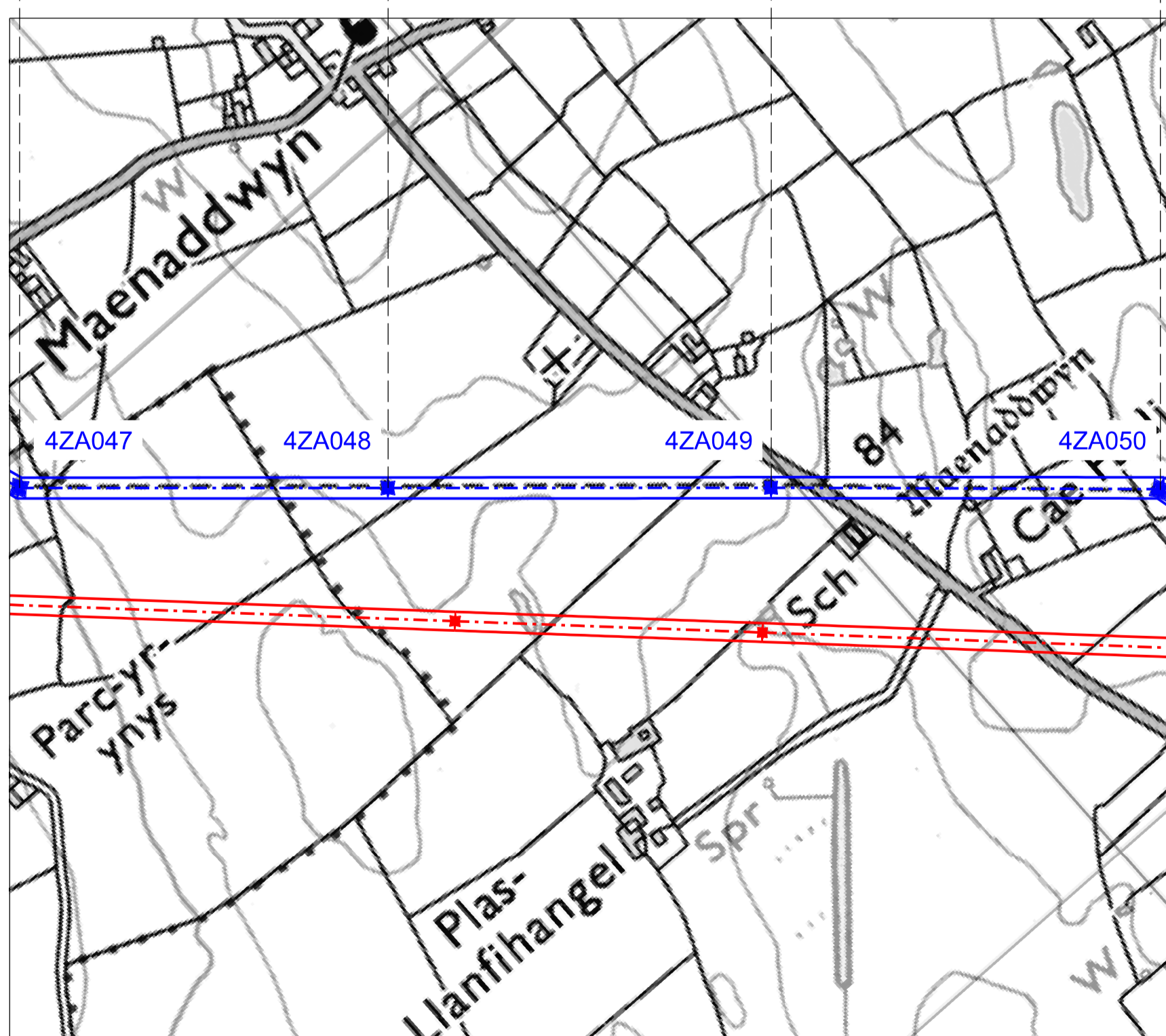
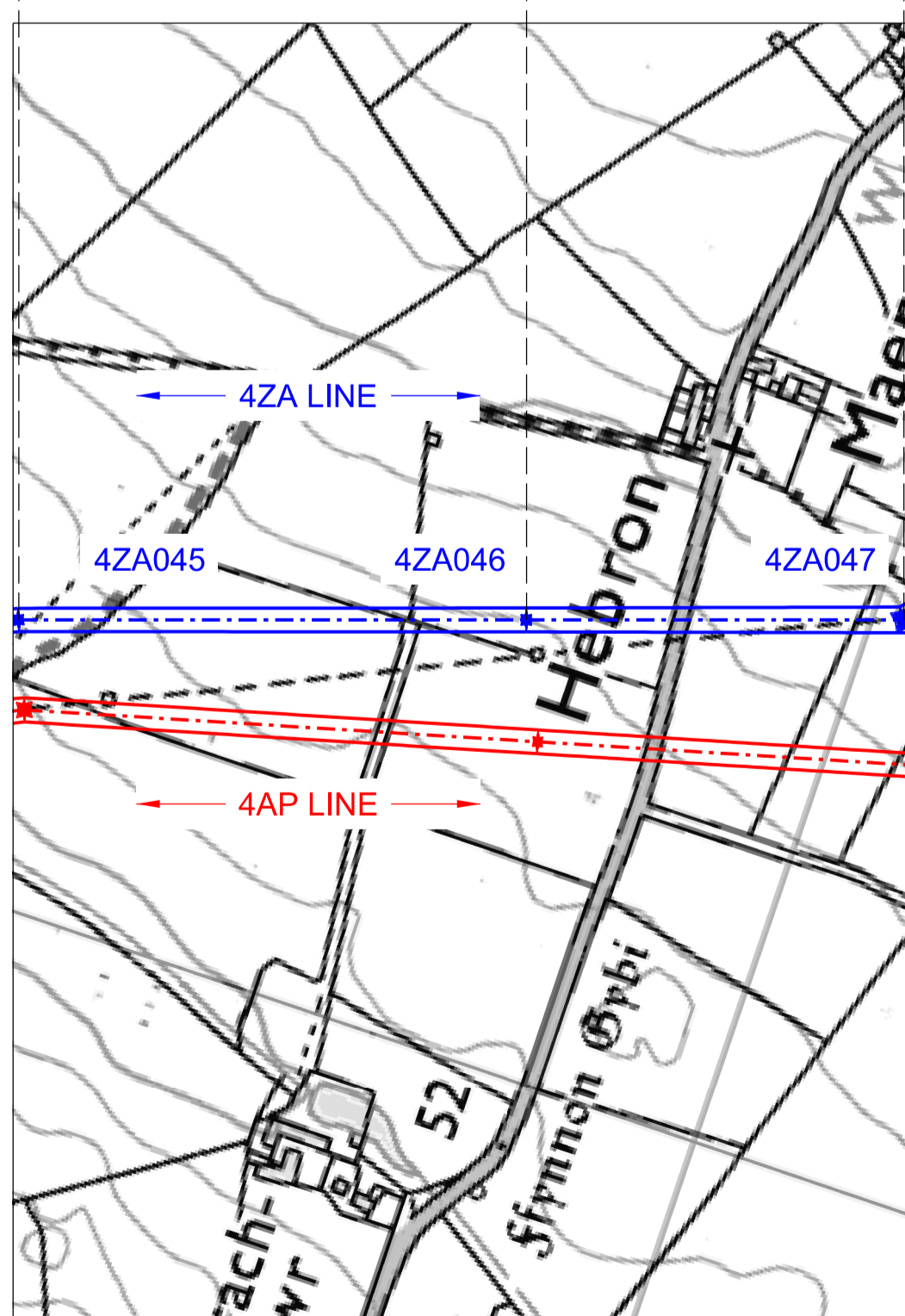
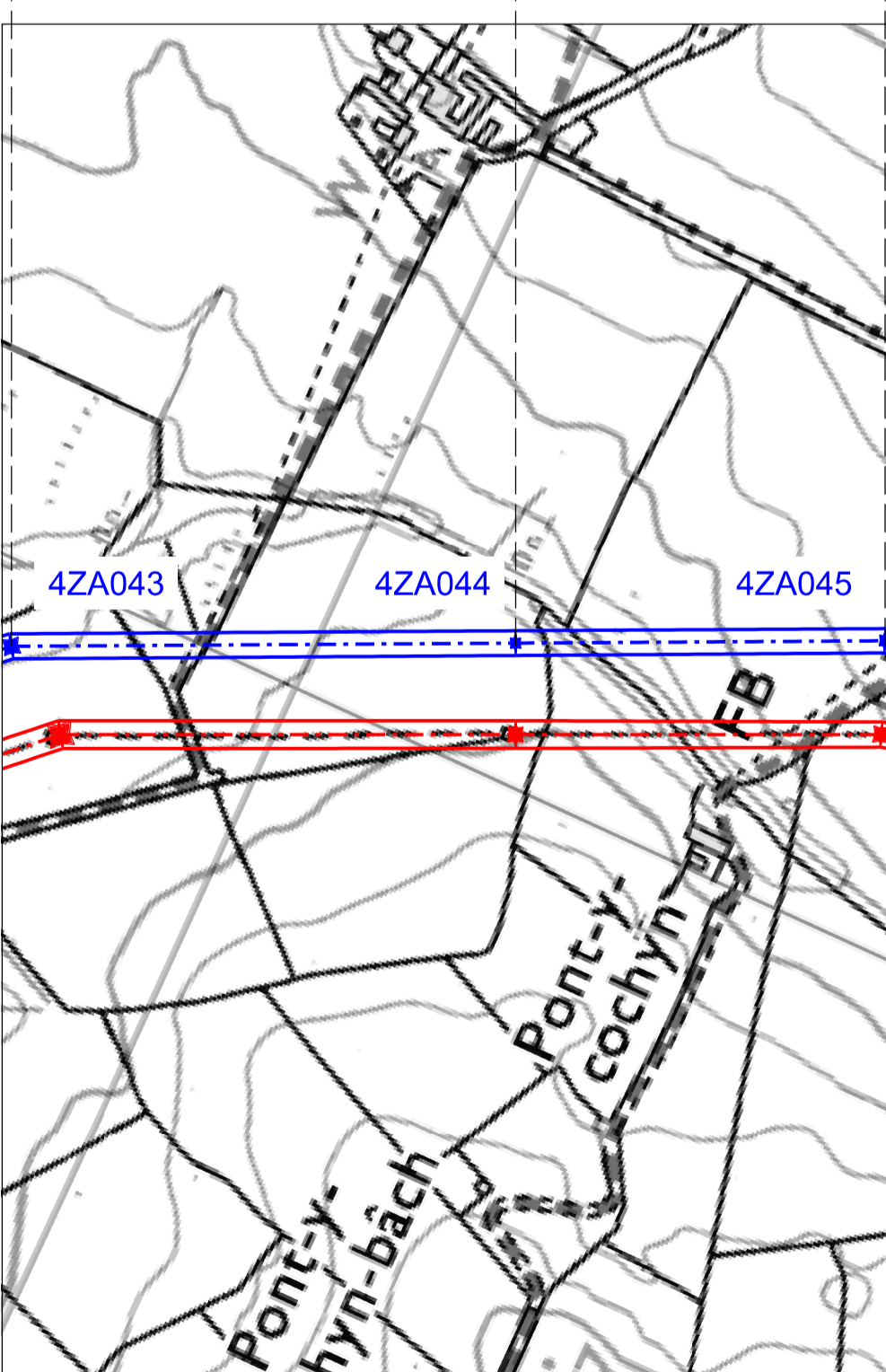
GORCHYMYN NATIONAL GRID (PROSIECT CYSYLLTIAD GOGLEDD CYMRU)
 CYNLLUN DYLLUNIO:
 DARLUN DANGOSOL O BROFFIL Y LLINELLAU UWCHBEN 4ZA
 RHEOLIAD 5(2)(o)
 DALEN 6 O 6



Application Number / Rhif y Cais
 EN020015

National Grid Drawing Reference / Cylfrimod Lliniad National Grid
 DCO_DE/PS/05_06

| Scale / Graddfa | Sheet Size / Mensi / Yrdded | Sheet / Dalen | Issue / Cylhoeddiad |
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| Hz = 1:5000 Vert = 1:500 | A1 | SHEET 6 of 6 | A |

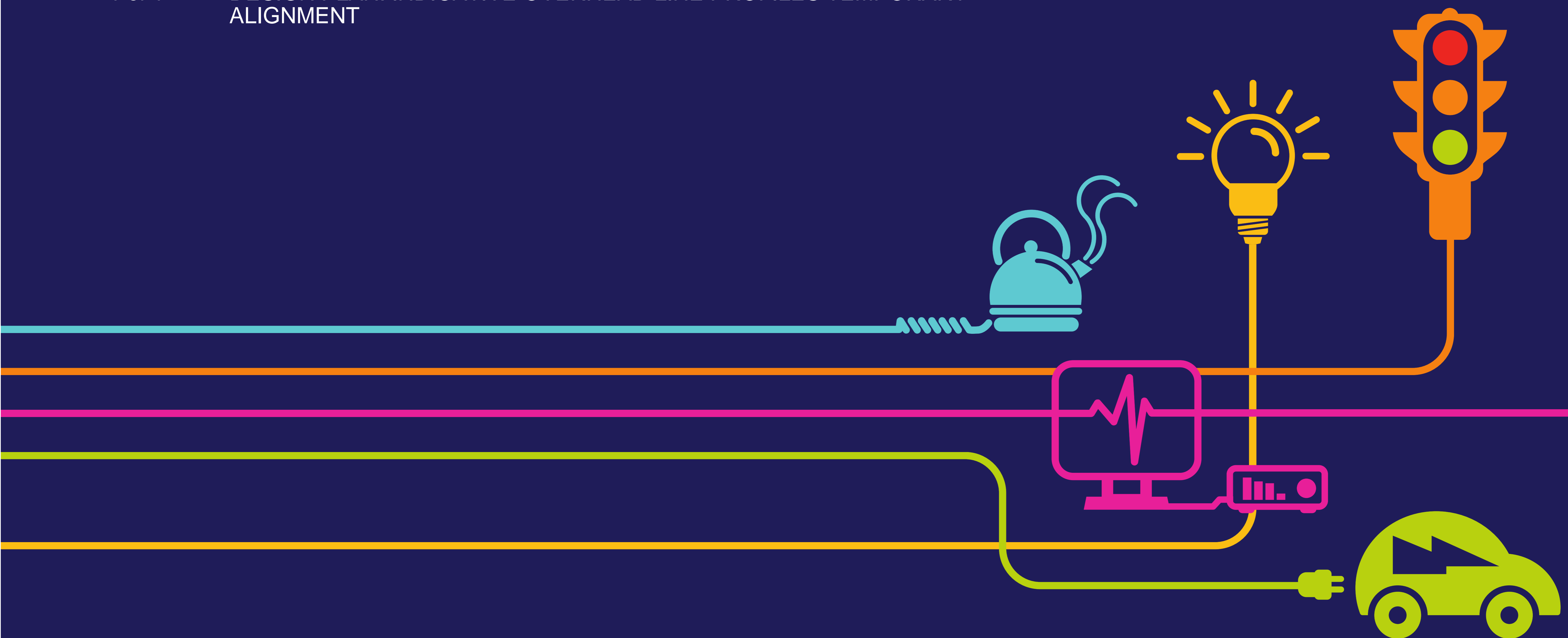


Design Drawings – Indicative Overhead Line Profiles Temporary Alignment

National Grid (North Wales Connection Project)

Drawing Reference DCO_DE/PS/06_01

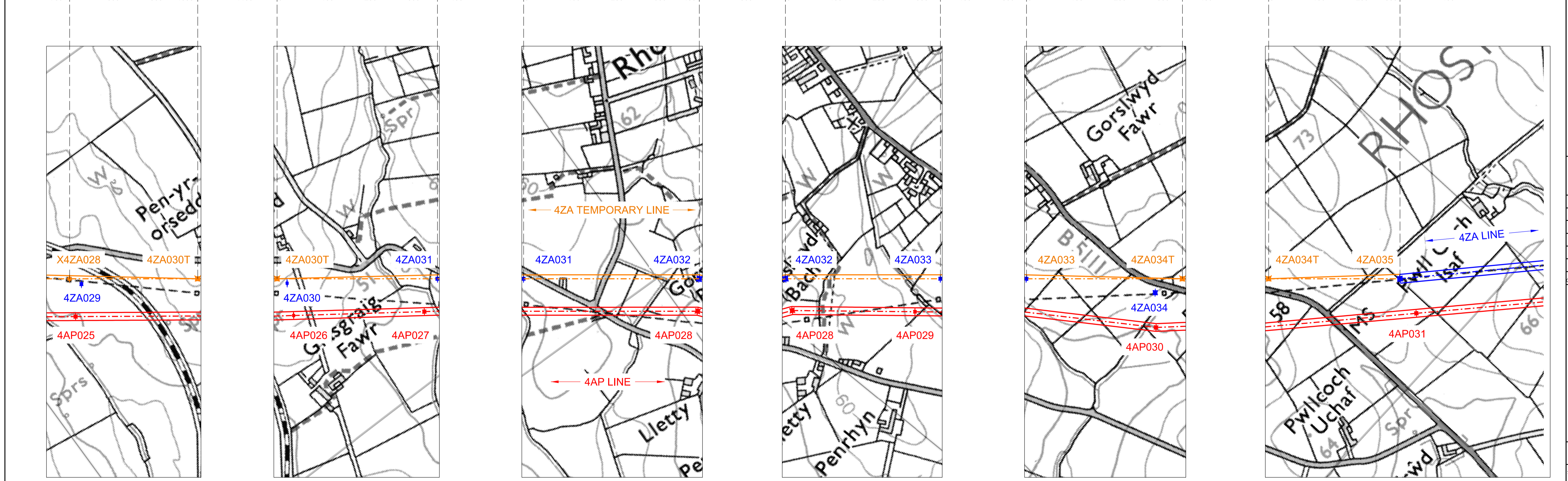
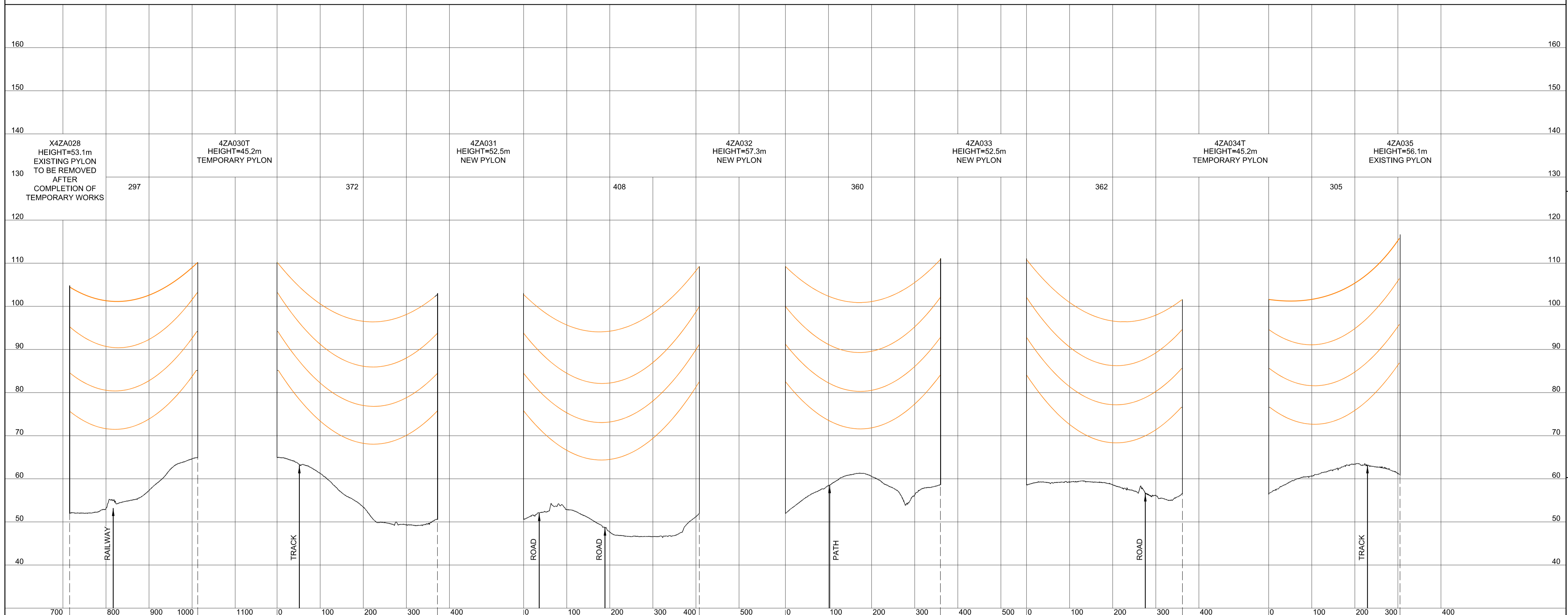
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|--------|--|
| 1 of 1 | DESIGN PLAN: INDICATIVE OVERHEAD LINE PROFILES TEMPORARY ALIGNMENT |



THE NATIONAL GRID (NORTH WALES CONNECTION PROJECT) ORDER
 DESIGN PLAN: INDICATIVE OVERHEAD LINE PROFILES TEMPORARY ALIGNMENT
 REGULATION 5(2)(o)
 SHEET 1 OF 1

GORCHYMYN NATIONAL GRID (PROSIECT CYSYLLTIAD GOGLEDD CYMRU)
 CYNLLUN DYLLUNIO: DARLUN DANGOSOL O BROFFIL Y LLINELLAU UWCHBEN ALINIAD DROS DRO
 RHEOLIAD 5(2)(o)
 DALEN 1 O 1

SITE MAP / MAP O'R SAFLE



Legend / Allwedd

- Notes / Nodiadau**
- THIS DRAWING IS SCALED AT PAPER SIZE A1. THEREFORE ANY PRINTS TAKEN AT SMALLER SIZES WILL AFFECT ACCURACY OF THE MEASUREMENT UNITS AND SHOULD NOT BE SCALED AGAINST.
 - TO BE READ IN CONJUNCTION WITH - DRAWING NUMBER DCO_DE/PS/02_01.
 - 'X' PREFIX ON PYLON NUMBER DENOTES AN EXISTING PYLON TO BE REMOVED.
'T' SUFFIX ON PYLON NUMBER DENOTES A TEMPORARY PYLON.
 - ALL DIMENSIONS ARE IN METRES.
 - PLAN AND PROFILES SHOW PROPOSED 400kV PYLON LOCATIONS AND HEIGHTS (INCLUDING CONDUCTORS AND/OR ASSOCIATED EQUIPMENT) AND MAY CHANGE SUBJECT TO ARTICLE 5 (LIMITS OF DEVIATION) OF THE DCO (DOCUMENT 2-1).
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| Head / Cynhoeddiad | Date / Dyddiad | Remarks / Sgrawen | Drawn / Tynnydd | Checked / Gwirio | Approved / Cymerchwydd |
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Title / Teitl
 THE NATIONAL GRID (NORTH WALES CONNECTION PROJECT) ORDER
 DESIGN PLAN:
 INDICATIVE OVERHEAD LINE PROFILES
 TEMPORARY ALIGNMENT
 REGULATION 5(2)(o)
 SHEET 1 OF 1

GORCHYMYN NATIONAL GRID
 (PROSIECT CYSYLLTIAD GOGLEDD CYMRU)
 CYNLLUN DYLLUNIO:
 DARLUN DANGOSOL O BROFFIL Y LLINELLAU
 UWCHBEN ALINIAD DROS DRO
 RHEOLIAD 5(2)(o)
 DALEN 1 O 1



Application Number / Rhif y Cais: EN020015

National Grid Drawing Reference / Cylfrimod Lluniad National Grid: DCO_DE/PS/06_01

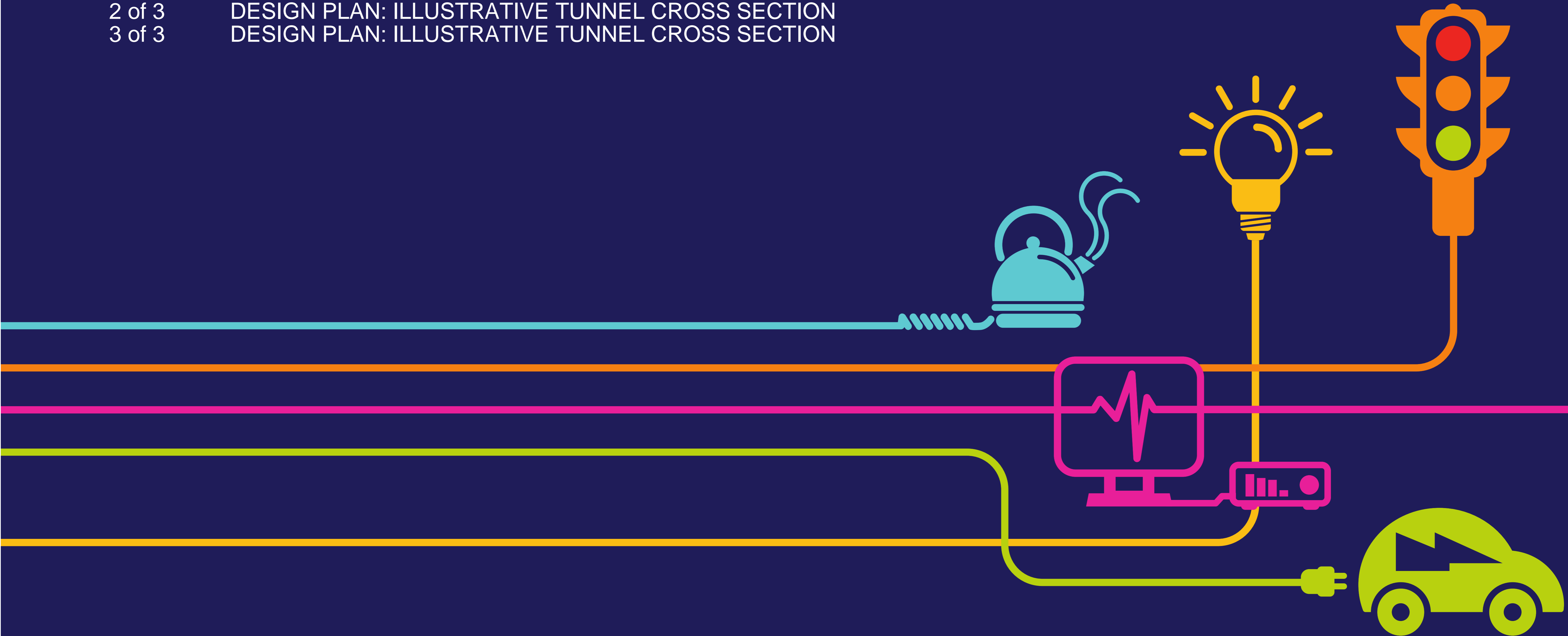
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|------------------------------|------------------------------|---------------|---------------------|
| Hz = 1:5000 Vert = 1:2500 | A1 | SHEET 1 of 1 | A |

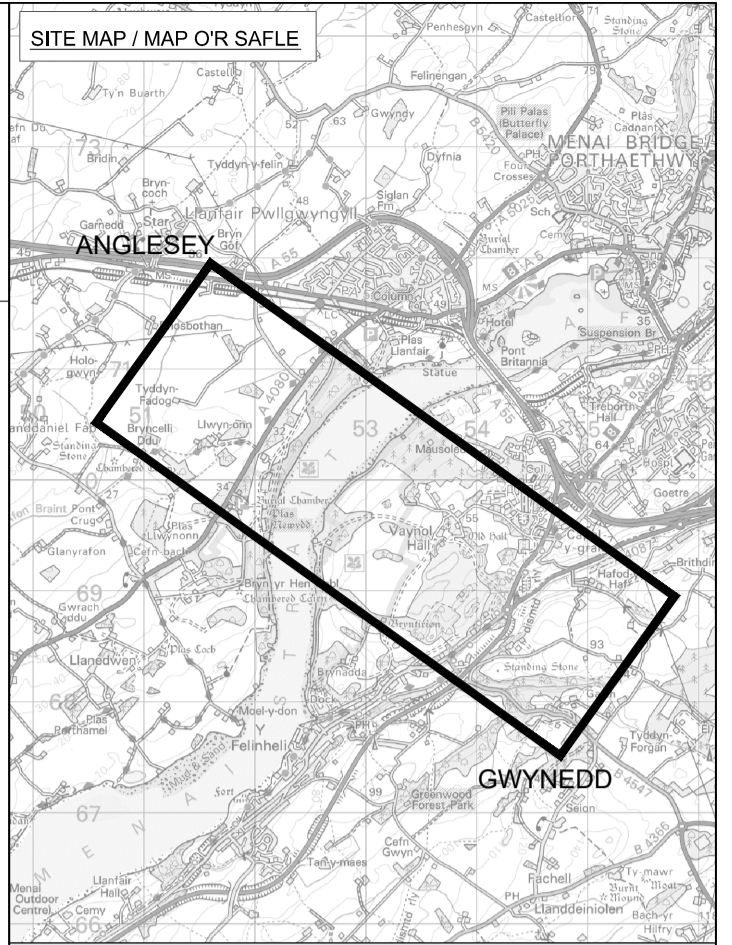
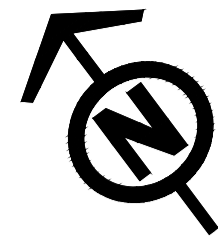
Design Drawings – Illustrative Tunnel Sections

National Grid (North Wales Connection Project)

Drawing References DCO_DE/PS/07_01 to DCO_DE/PS/07_03

| Sheet | Plan Title |
|--------|---|
| 1 of 3 | DESIGN PLAN: ILLUSTRATIVE TUNNEL LONGITUDINAL SECTION |
| 2 of 3 | DESIGN PLAN: ILLUSTRATIVE TUNNEL CROSS SECTION |
| 3 of 3 | DESIGN PLAN: ILLUSTRATIVE TUNNEL CROSS SECTION |





Legend / Allwedd

PLAN VIEW:

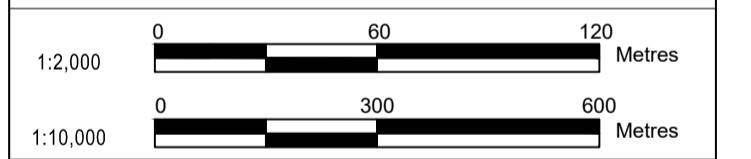
- EXAMPLE OF A HORIZONTAL TUNNEL ALIGNMENT
- TUNNEL HORIZONTAL LIMIT OF DEVIATION

LONGITUDINAL SECTION:

- APPROXIMATE GROUND LEVEL
- EXAMPLE OF A TUNNEL VERTICAL ALIGNMENT
- APPROXIMATE EXTENT OF FAULT ZONE

Notes / Nodiadau

1. This drawing is scaled at paper size A1, therefore any prints taken at smaller sizes will affect accuracy of the measurement units and should not be scaled against.
2. A minimum 10m cover to the top of competent bedrock surface shall be maintained across the alignment.
3. The horizontal limit of deviation provides the contractor scope to adjust the alignment where necessary following receipt of the ground investigation within the Menai Strait.
4. mAOD - Metres above ordnance datum.



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|-----------------|--------------------|--------------------|-----------------|---------------------|
| A | FOR DCO SUBMISSION | KJ | SR | RP |
| Issue / Dyddiad | Date / Dyddiad | Remarks / Sylwadau | Drawn / Tynnwyd | Checked / Gwirwyd |
| | | | | Approved / Cymerwyd |

Title / Teitl

THE NATIONAL GRID
 (NORTH WALES CONNECTION PROJECT) ORDER
 DESIGN PLAN: ILLUSTRATIVE TUNNEL LONGITUDINAL SECTION
 REGULATION 5(2)(o)
 SHEET 1 OF 3

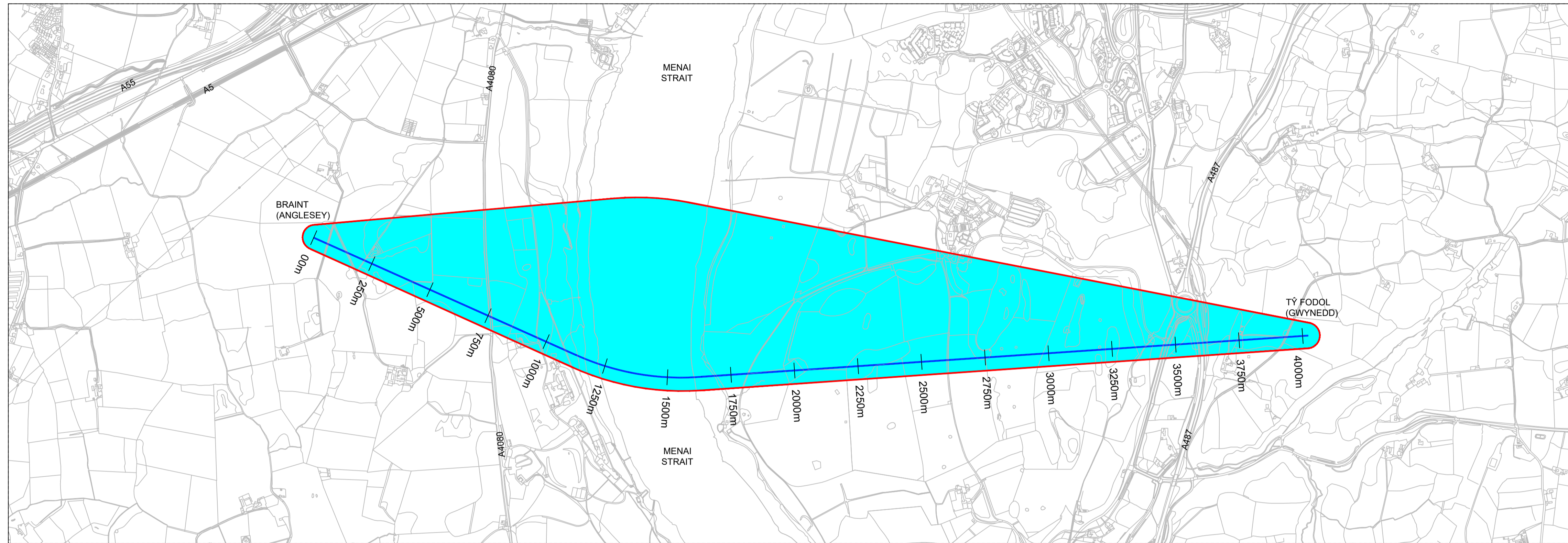
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 (PROSIECT CYSYLLTIAD GOGLEDD CYMRU)
 CYNLLUN DYLLUNIO: DARLUN O ADRAIN HYDREDOL Y TWNNEL
 RHEOLIAD 5(2)(o)
 DALEN 1 O 3



Application Number / Rhif y Cais
 EN020015

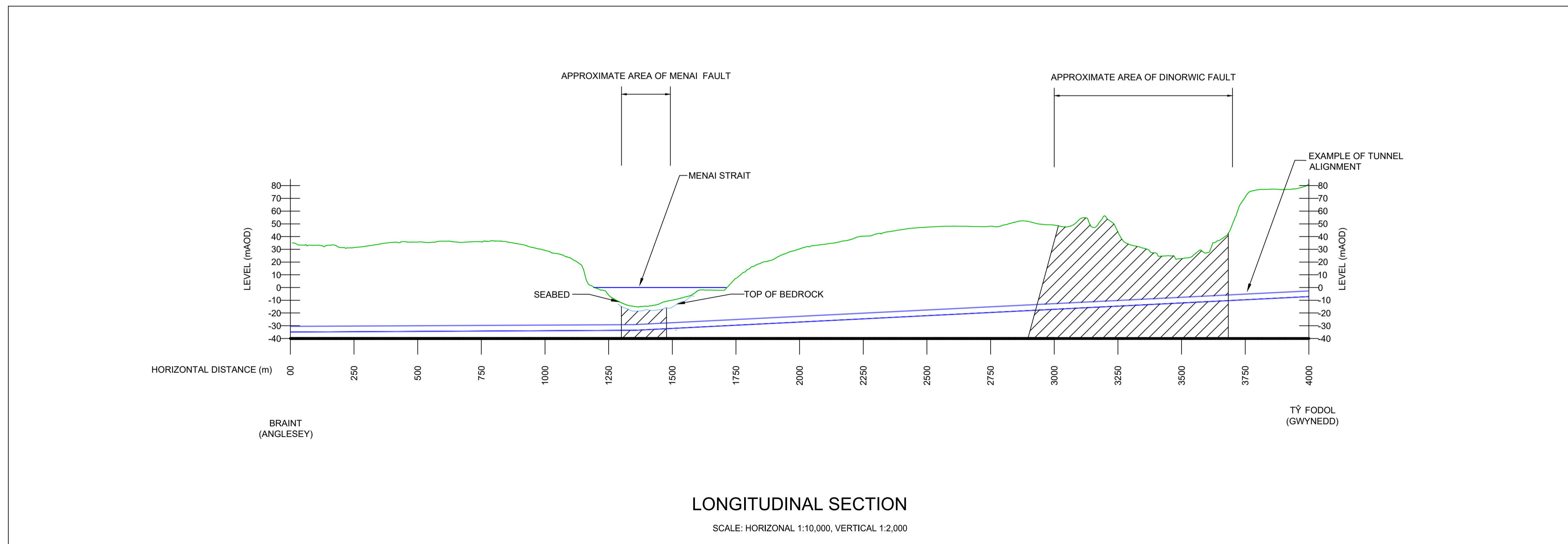
National Grid Drawing Reference / Cyfeirnod Lluniad National Grid
 DCO_DE/PS/07_01

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| AS SHOWN | A1 | SHEET 1 OF 3 | A |



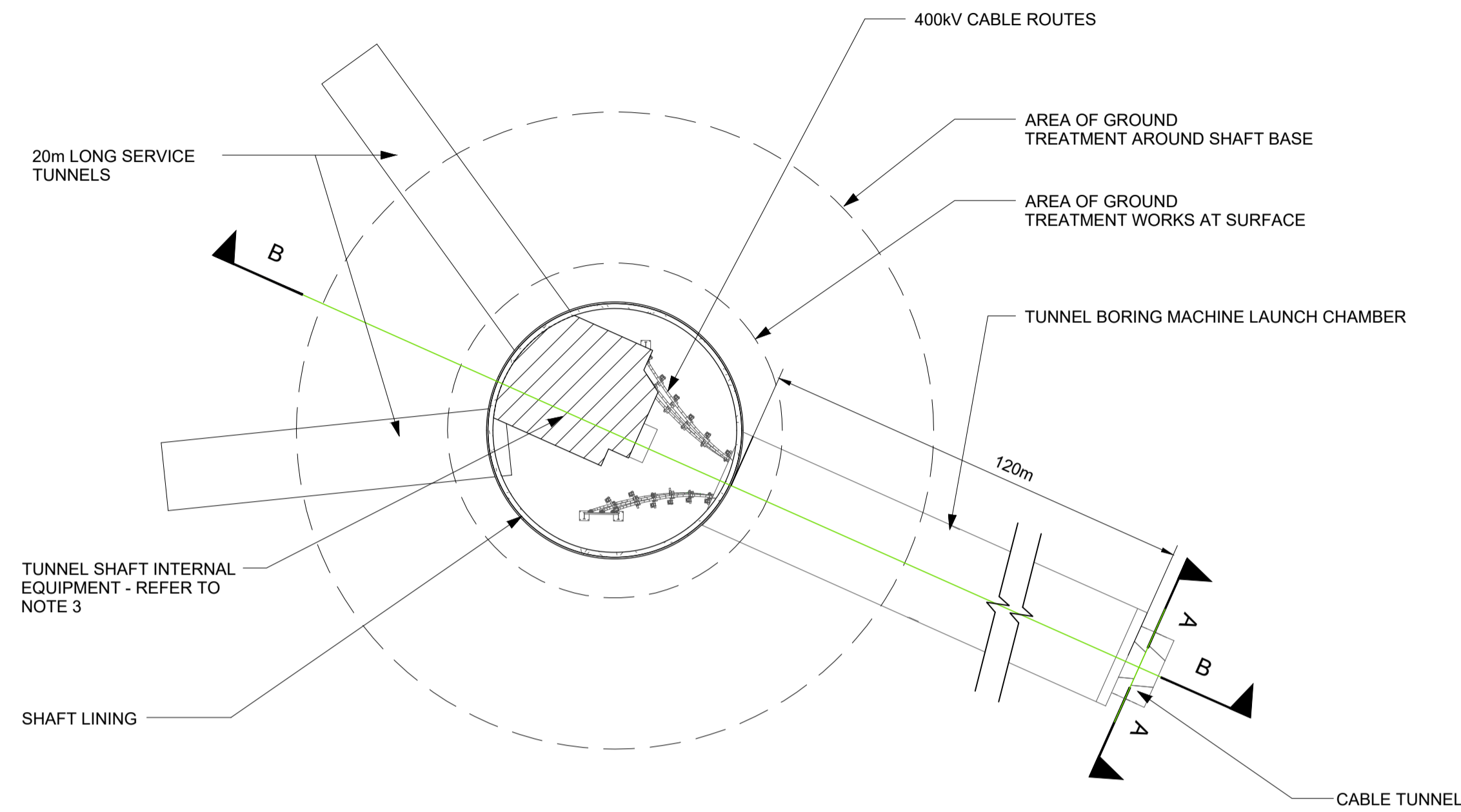
PLAN VIEW

SCALE - 1:10,000

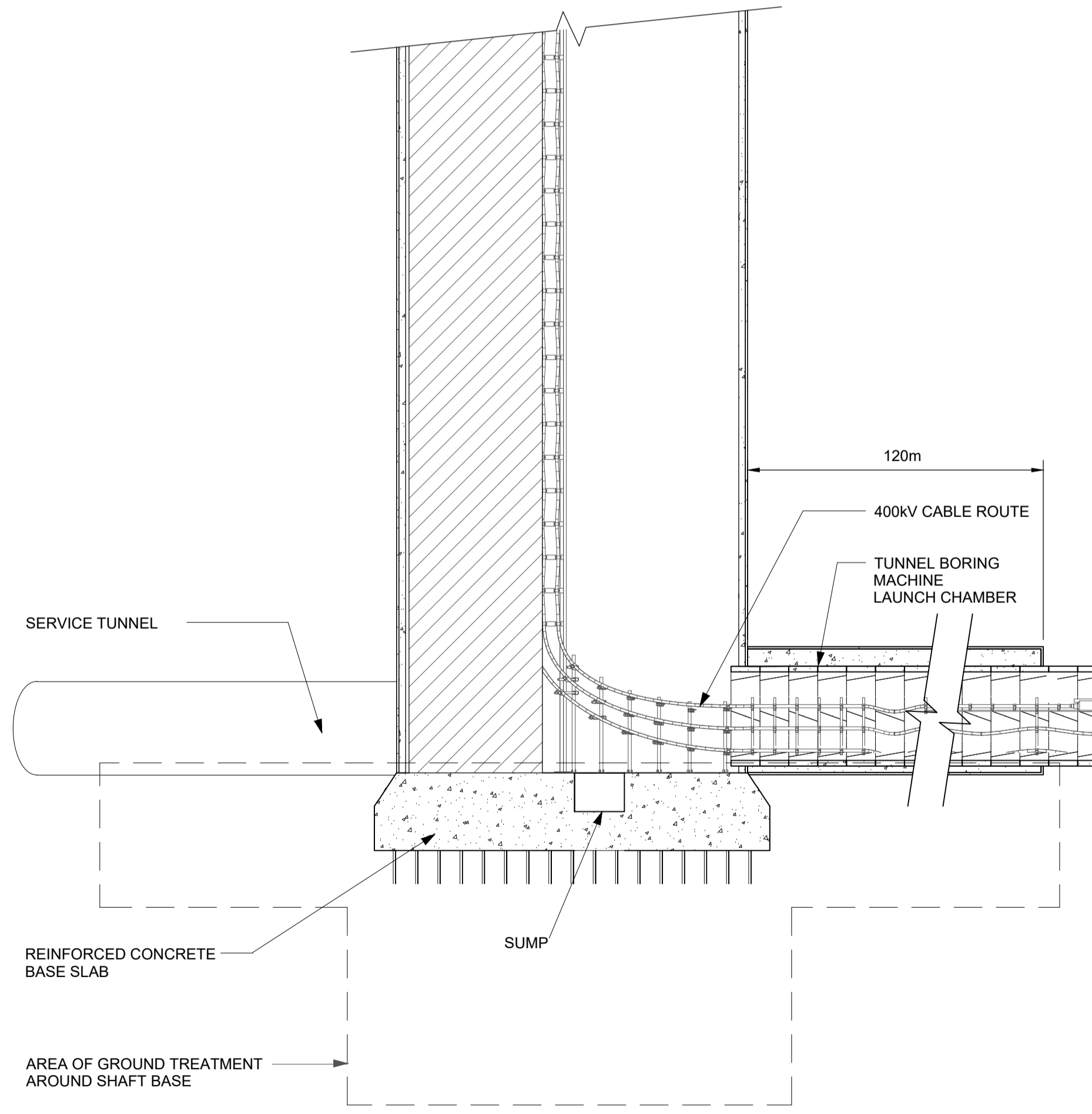
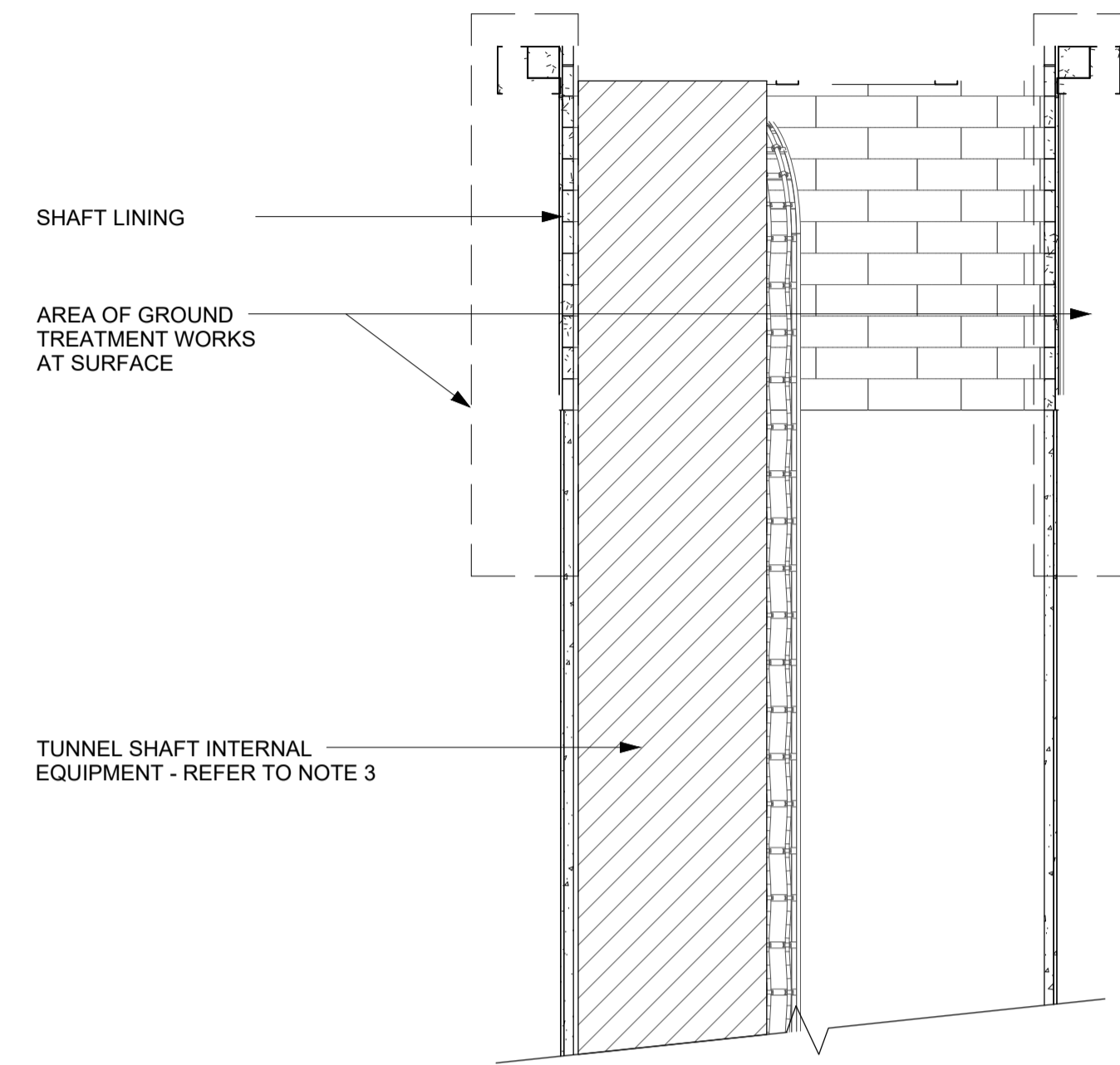


LONGITUDINAL SECTION

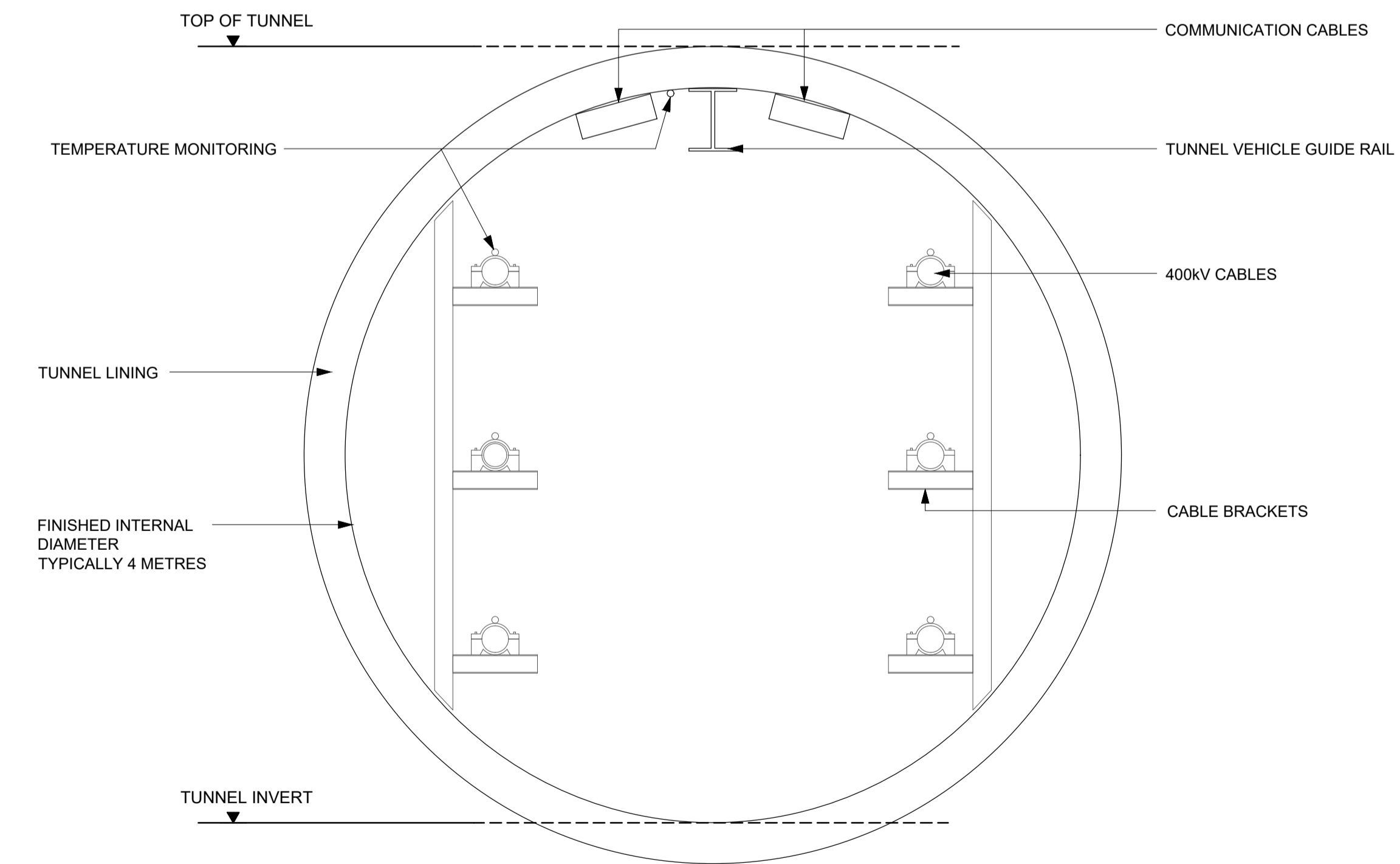
SCALE: HORIZONTAL 1:10,000, VERTICAL 1:2,000



SHAFT PLAN VIEW
 SCALE: 1:300



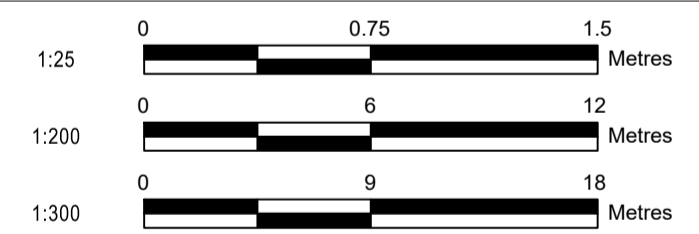
SECTION B-B - SHAFT CROSS SECTION
 SCALE: 1:200



SECTION A-A - TUNNEL CROSS SECTION
 SCALE: 1:25

Notes / Nodiadau

- This drawing is scaled at paper size A1, therefore any prints taken at smaller sizes will affect accuracy of the measurement units and should not be scaled against.
- All dimensions and units in meters unless otherwise stated.
- Permanent equipment in shaft to include:
 - Stairs
 - Lift
 - Cables including steel structures
 - Drainage pump
 - Lighting
 - Communication cables
- It is expected that the finished internal diameter of the bored tunnel will be 4m or less subject to manufacturing and construction tolerances. The exact finished profile of the drill and blast sections will be determined during the actual construction and assessments will be made regarding the finished liner and its dimensions. Depending on the method used, such as drill and blast, the total excavation size could increase (and may require rock bolts extending outside the excavation zone). The actual excavation will be determined by the ground conditions encountered. In respect of launch chambers, it is anticipated that an excavation of around 35m² would be required. For the main tunnel, it is anticipated that an excavation of no greater than 27m² would be required.



| Issue / Dyddiad | Date / Dyddiad | Remarks / Sylwadau | Drawn / Tynnydd | Checked / Gwirneidd | Approved / Cymarodwynt |
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Title / Teitl
 THE NATIONAL GRID
 (NORTH WALES CONNECTION PROJECT) ORDER
 DESIGN PLAN: ILLUSTRATIVE TUNNEL CROSS SECTION
 REGULATION 5(2)(o)
 SHEET 2 OF 3
 GORCHYMYN NATIONAL GRID
 (PROSIECT CYSYLLTIAD GOGLEDD CYMRU)
 CYNLLUN DYLLUNIO: DARLUN O
 GROESTORIAD Y TWNNEL
 RHEOLIAD 5(2)(o)
 DALEN 2 O 3



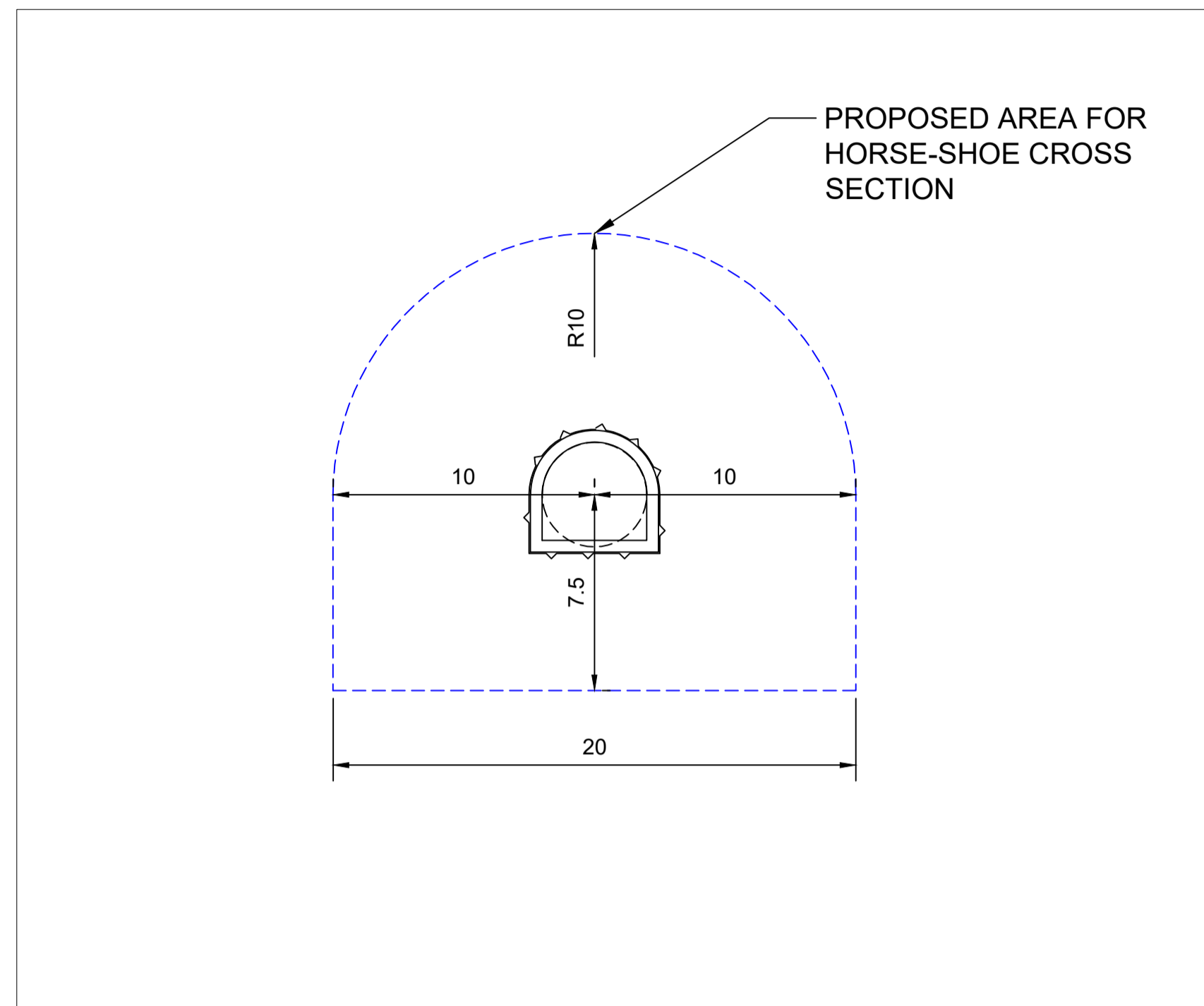
Application Number / Rhif y Cais
 EN020015

National Grid Drawing Reference / Cyswrt Lliniad National Grid
 DCO_DE/PS/07_02

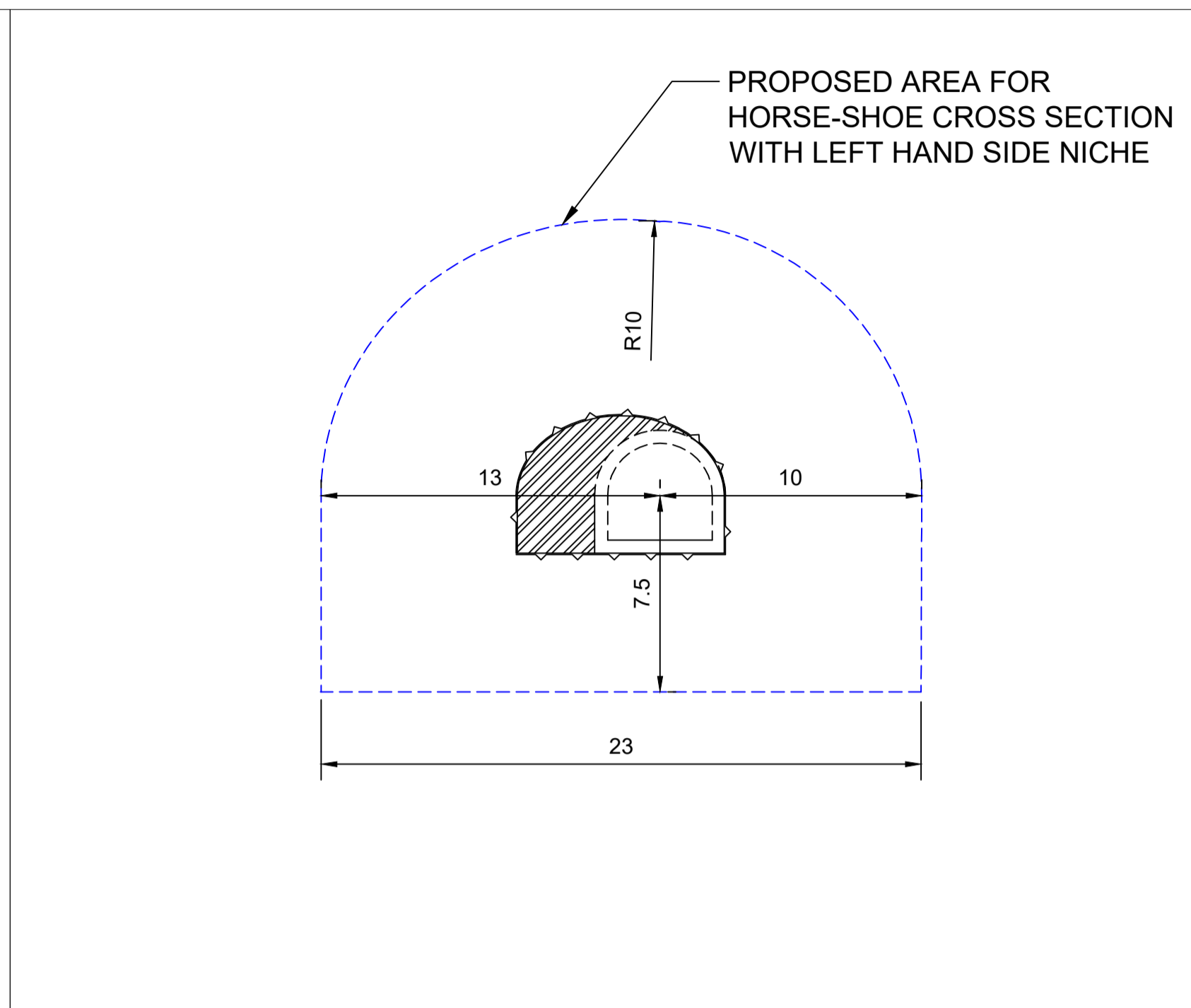
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| AS SHOWN | A1 | SHEET 2 OF 3 | A |

Legend / Allwedd

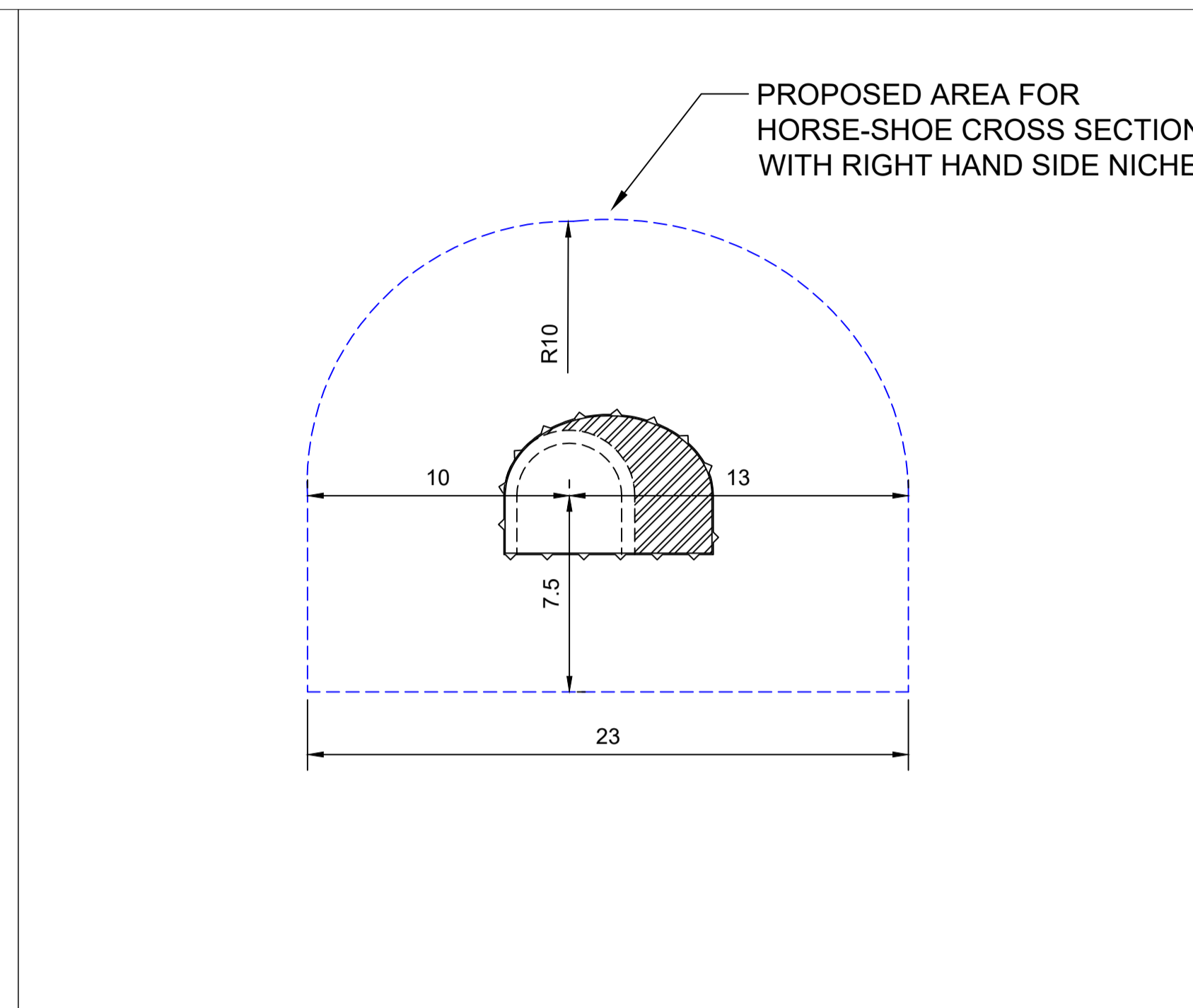
- Indicates rough excavation profile
- Minimum required area for specific cross section
- Land interest area



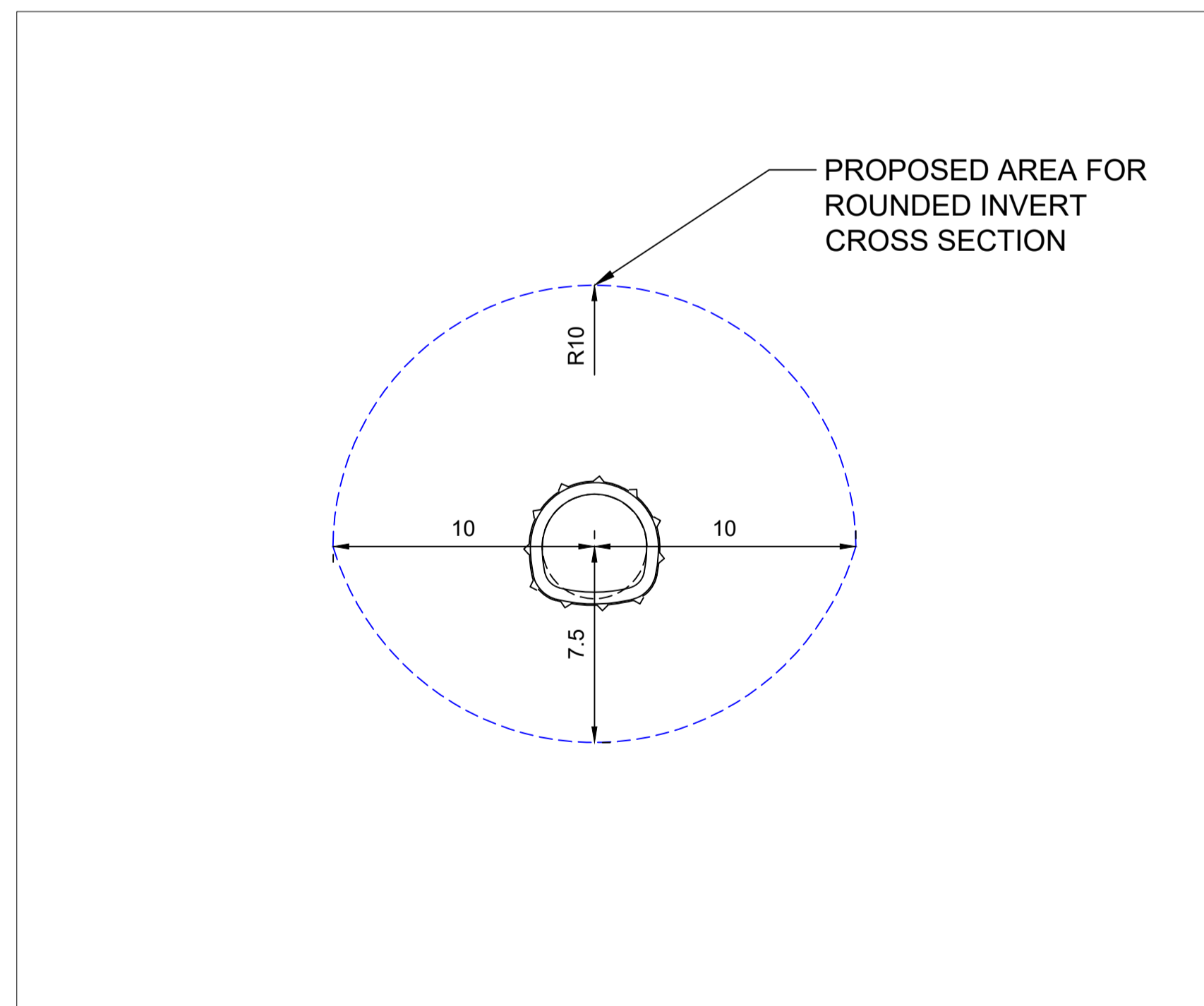
HORSE-SHOE CROSS SECTION -
 DRILL AND BLAST



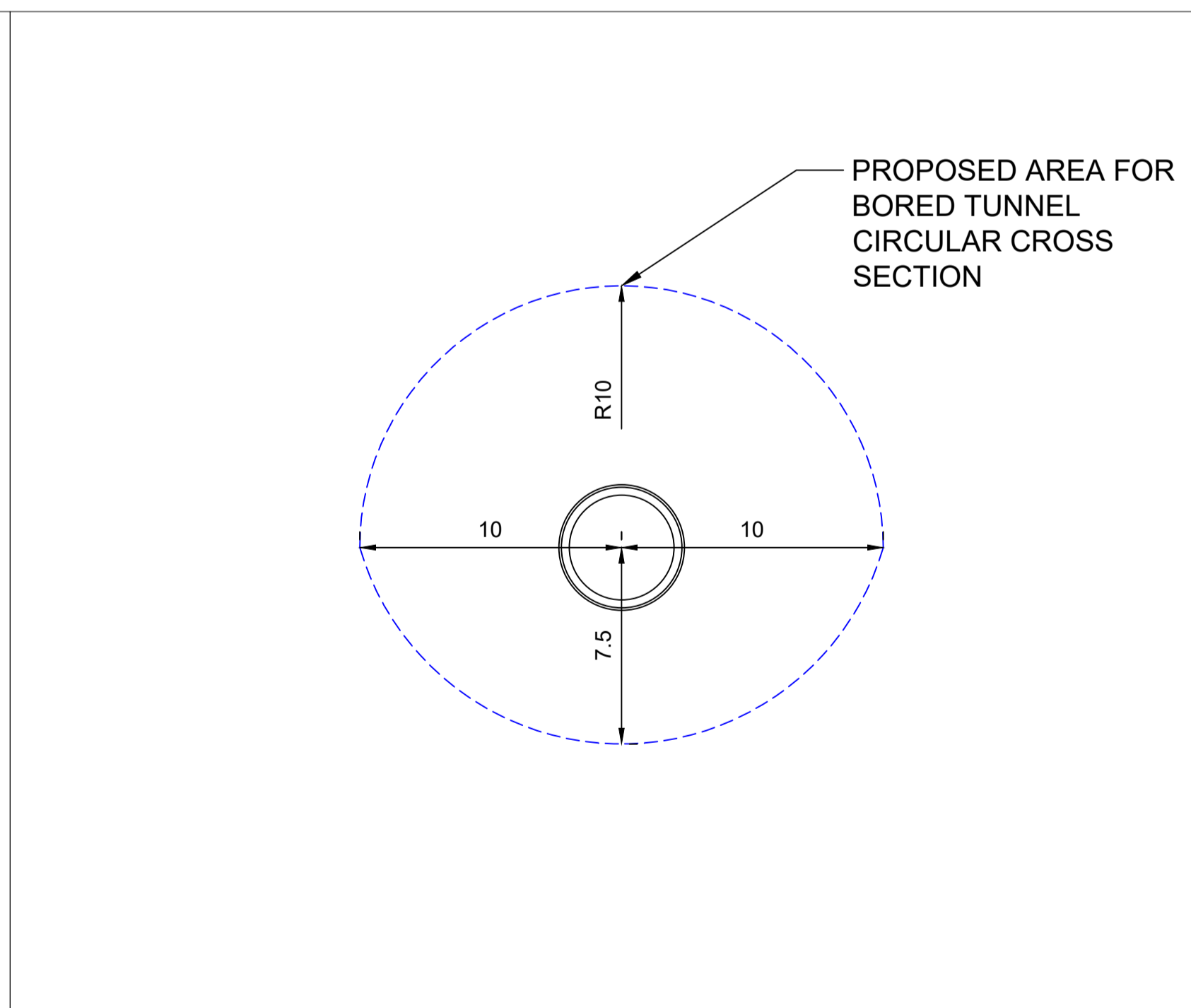
HORSE-SHOE CROSS SECTION WITH LEFT
 HAND SIDE NICHE - DRILL AND BLAST



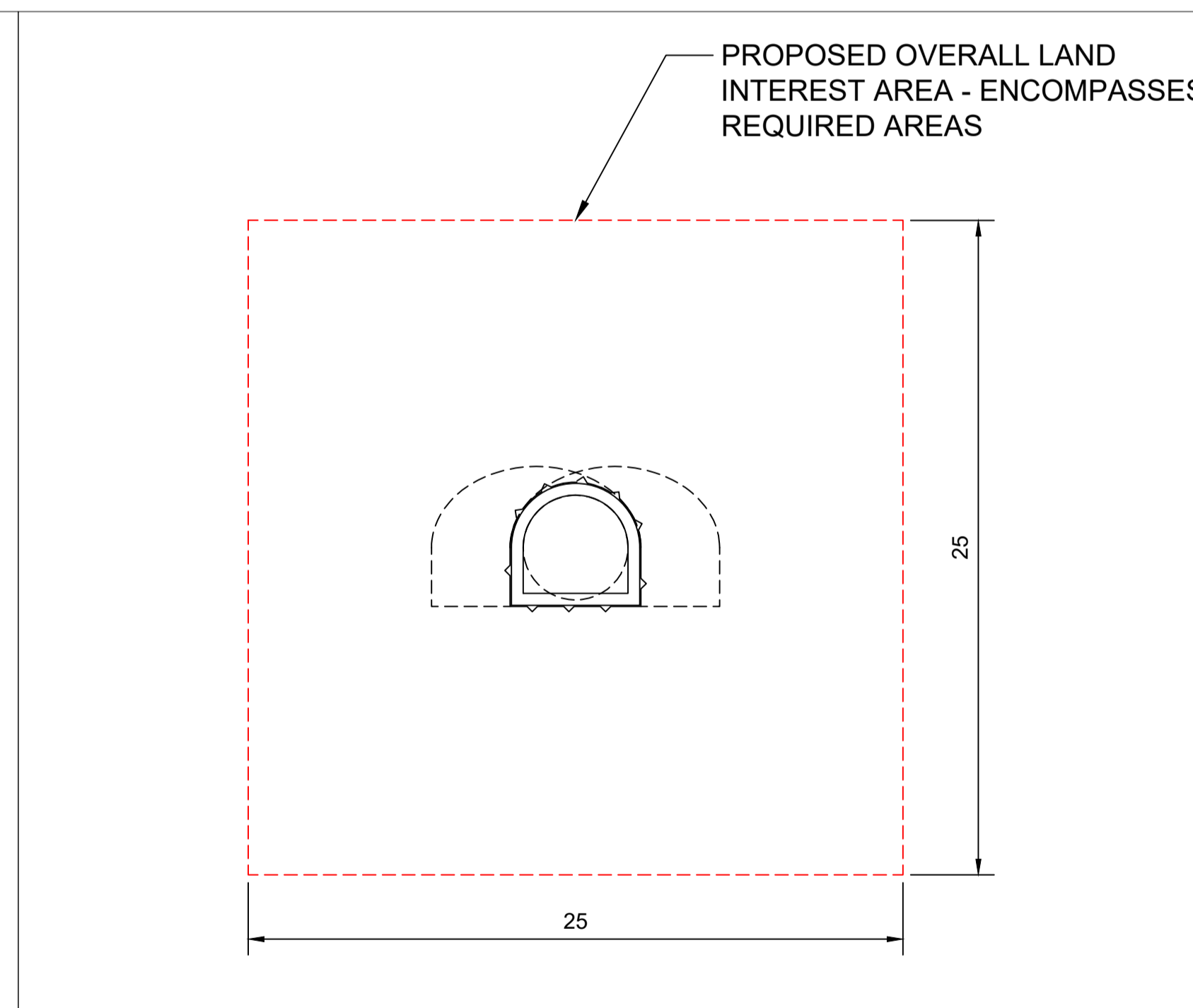
HORSE-SHOE CROSS SECTION WITH RIGHT
 HAND SIDE NICHE - DRILL AND BLAST



ROUNDED INVERT CROSS SECTION
 - DRILL AND BLAST



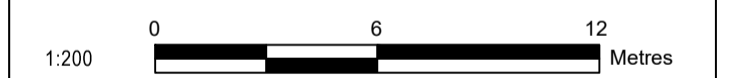
CIRCULAR CROSS
 SECTION - BORED TUNNEL



COMBINED REQUIRED AND
 OVERALL LAND INTEREST AREA

Notes / Nodiadau

1. This drawing is scaled at paper size A1, therefore any prints taken at smaller sizes will affect accuracy of the measurement units and should not be scaled against.
2. All dimensions in metres.
3. Drawing shows the indicative construction methods, cross sections and areas anticipated to be required for the construction. Actual requirements will be dependant on the ground conditions encountered and the support plus ground treatment installed during tunnelling.



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| Issue / Cyfnewid | Date / Dyddiad | Remarks / Sylwadau | Drawn / Tynnwyd | Checked / Gwirwyd | Approved / Cymerwyd |
|------------------|----------------|--------------------|-----------------|-------------------|---------------------|
| A | | FOR DCO SUBMISSION | KJ | SR | RP |

Title / Teitl
 THE NATIONAL GRID
 (NORTH WALES CONNECTION PROJECT) ORDER
 DESIGN PLAN: ILLUSTRATIVE TUNNEL CROSS SECTION
 REGULATION 5(2)(o)
 SHEET 3 OF 3

GORCHYMYN NATIONAL GRID
 (PROSIECT CYSYLLTIAD GOGLEDD CYMRU)
 CYNLLUN DYLUNIO: DARLUN O GROESTORIAD Y TWNNEL
 RHEOLIAD 5(2)(o)
 DALEN 3 O 3



Application Number / Rhif y Cais
 EN020015

National Grid Drawing Reference / Cyfeirnod Lluniad National Grid
 DCO_DE/PS/07_03

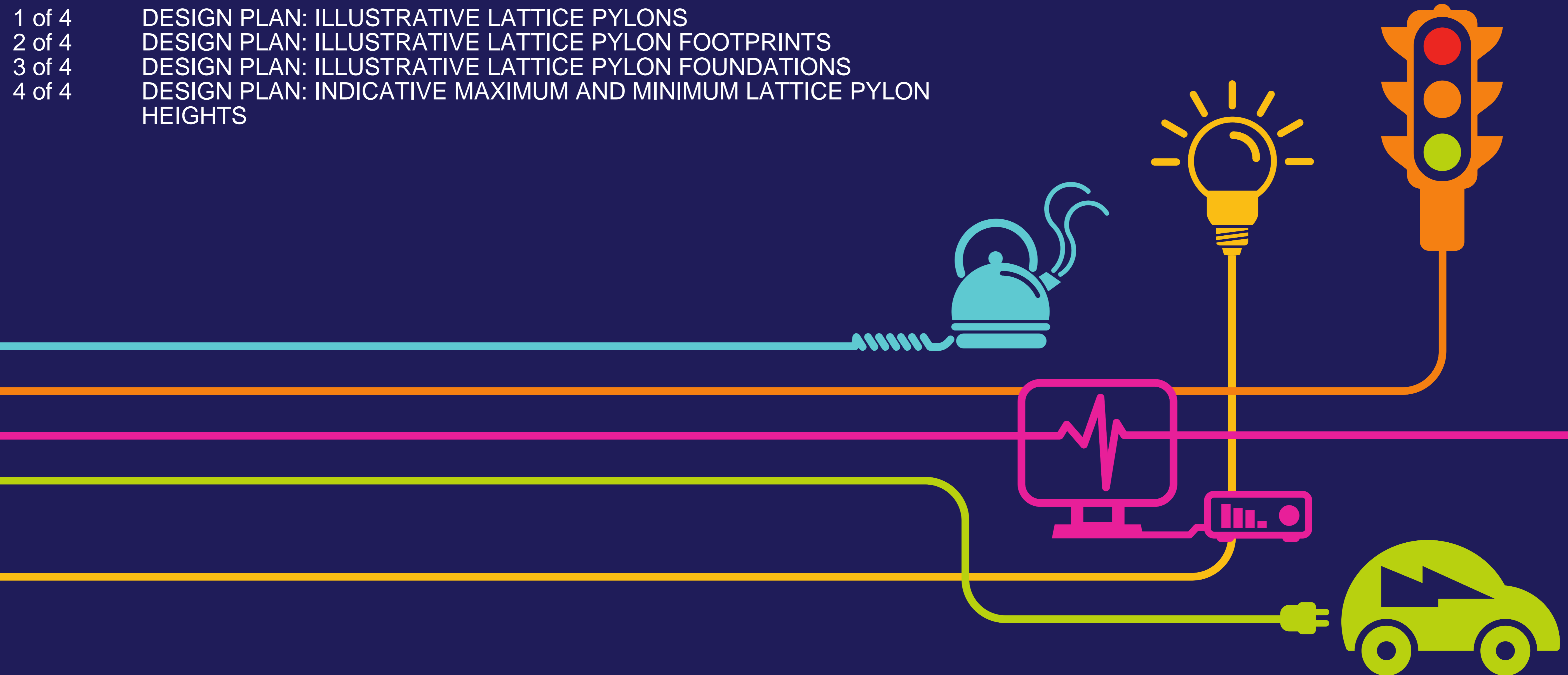
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| 1:200 | A1 | SHEET 3 OF 3 | A |

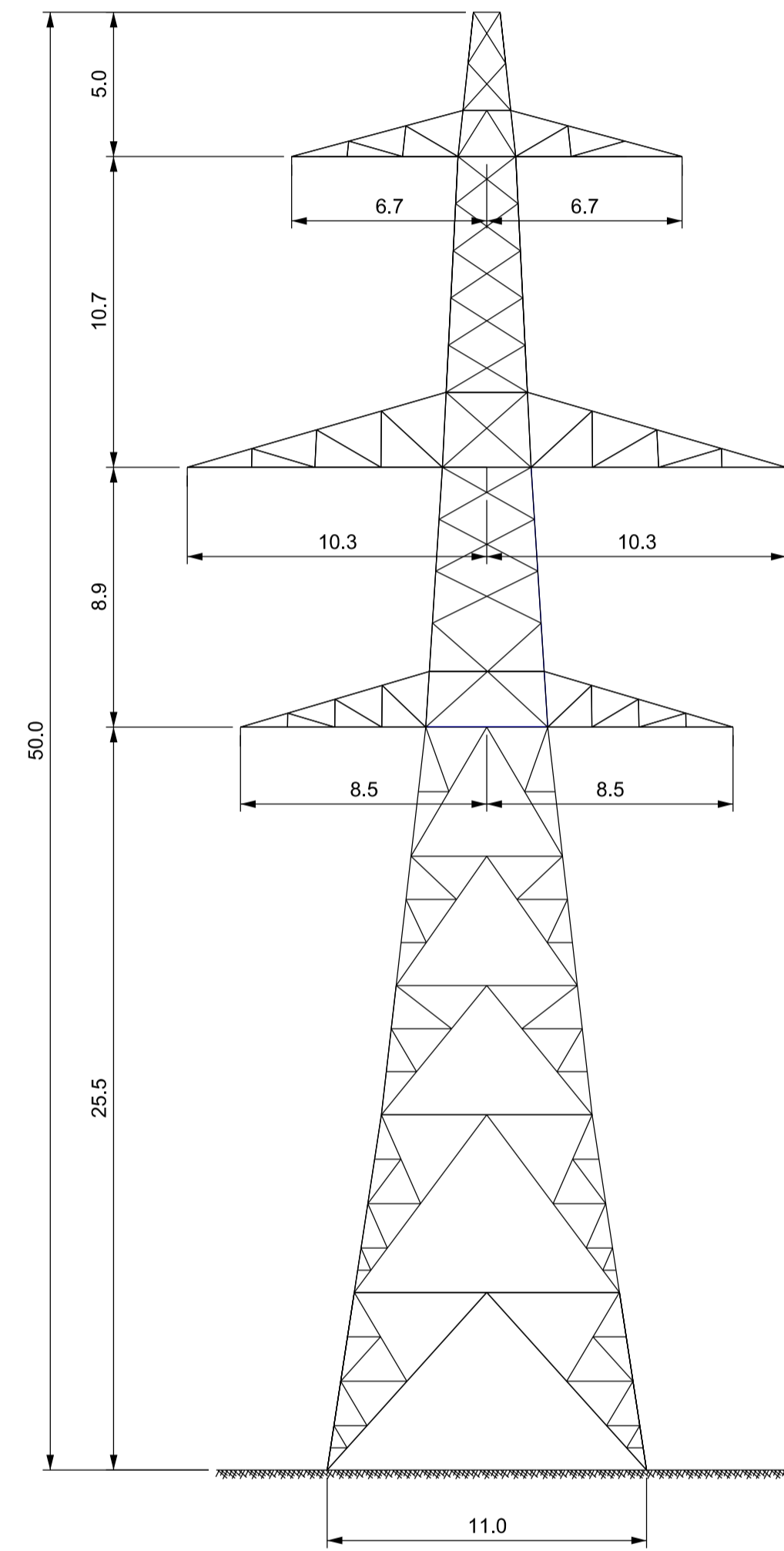
Design Drawings – Illustrative Lattice Pylons, Footprints, Foundations & Indicative Heights

National Grid (North Wales Connection Project)

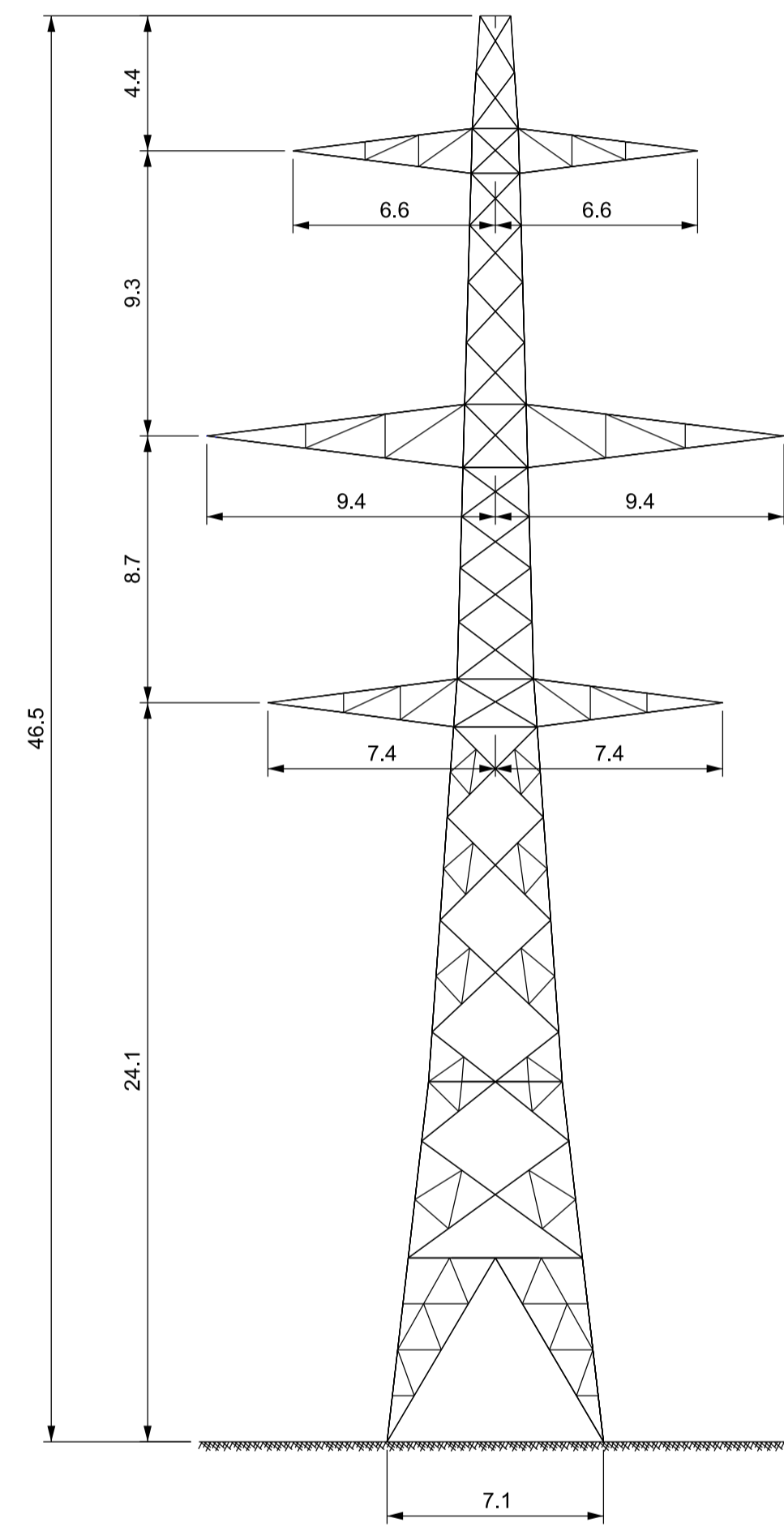
Drawing References DCO_DE/PS/08_01 to DCO_DE/PS/08_04

| Sheet | Plan Title |
|--------|---|
| 1 of 4 | DESIGN PLAN: ILLUSTRATIVE LATTICE PYLONS |
| 2 of 4 | DESIGN PLAN: ILLUSTRATIVE LATTICE PYLON FOOTPRINTS |
| 3 of 4 | DESIGN PLAN: ILLUSTRATIVE LATTICE PYLON FOUNDATIONS |
| 4 of 4 | DESIGN PLAN: INDICATIVE MAXIMUM AND MINIMUM LATTICE PYLON HEIGHTS |

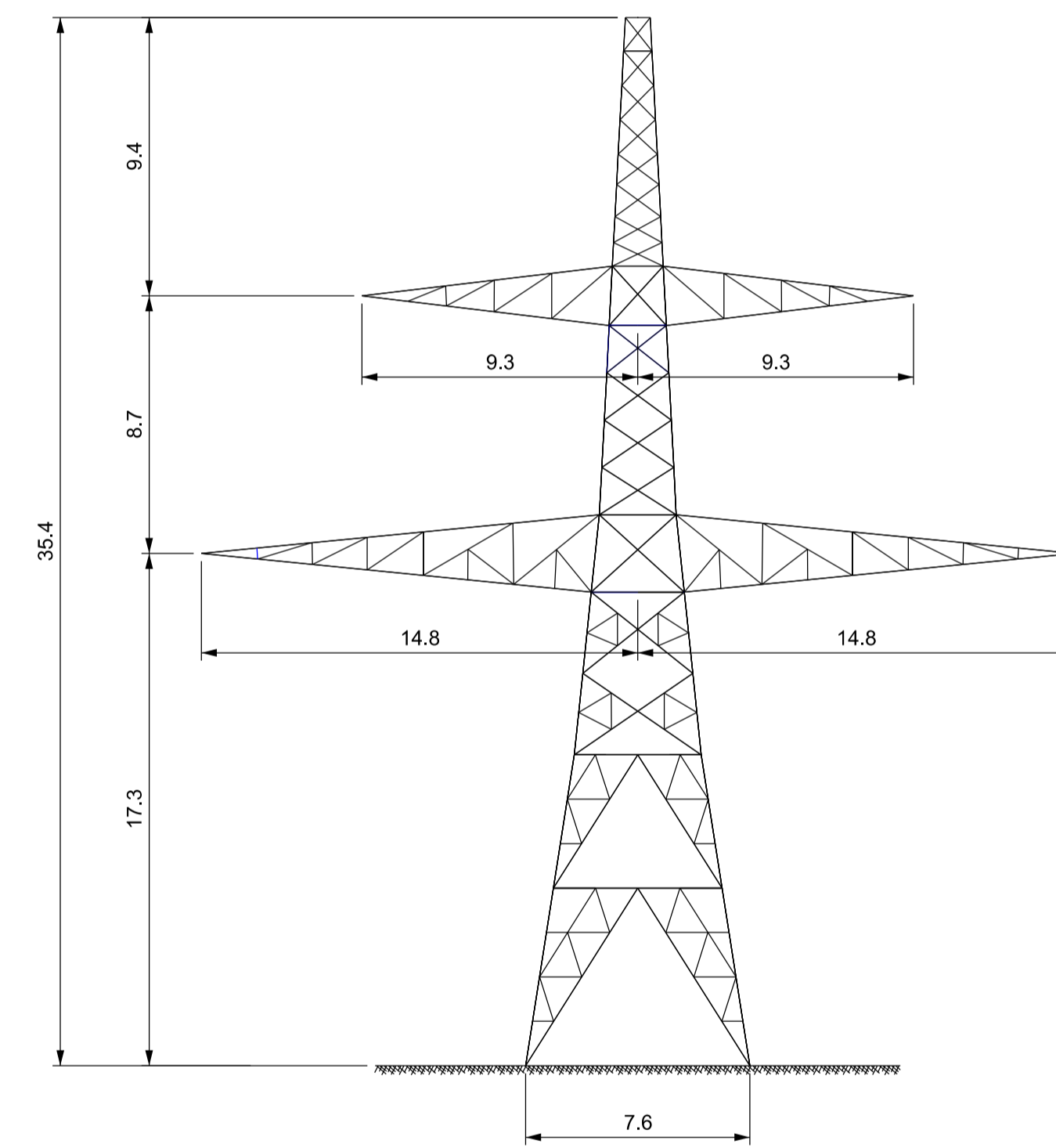




EXISTING PYLON



PROPOSED PYLON



PROPOSED LOW HEIGHT PYLON

Notes / Nodiadau

1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.
2. PYLON LEG SPACING AT GROUND LEVEL ASSUMES LEVEL GROUND CONDITIONS.

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|--------------------|-------------------|-----------------------|--------------------|----------------------|--------------------------|
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| | | | | | |
| A | | FOR DCO SUBMISSION | JY | MF | RP |
| Issue / Cylwedd | Date / Dyddiad | Remarks / Sylwadau | Drawn / Tynnwyd | Checked / Gwirwyd | Approved / Cymorodwyd |

Title / Teitl

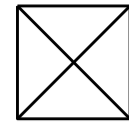

THE NATIONAL GRID
 (NORTH WALES CONNECTION PROJECT) ORDER
 DESIGN PLAN:
 ILLUSTRATIVE LATTICE PYLONS
 REGULATION 5(2)(o)
 SHEET 1 OF 4

GORCHYMYN NATIONAL GRID
 (PROSIECT CYSYLLTIAD GOGLEDD CYMRU)
 CYNLLUN DYLLUNIO:
 DARLUN O'R PEILONAU DELLT
 RHEOLIAD 5(2)(o)
 DALEN 1 O 4

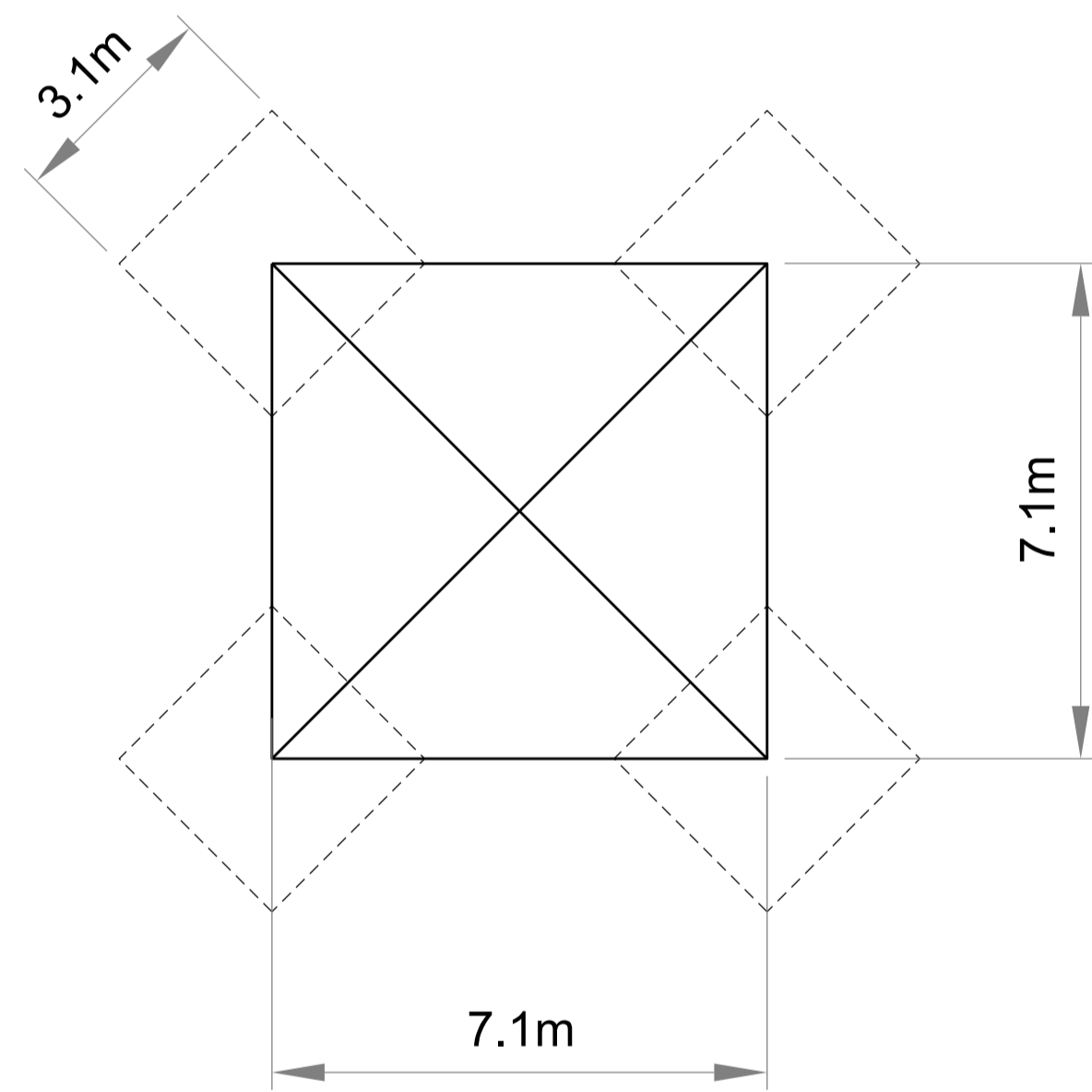


| | | | |
|---|---------------|-----------------|---|
| Application Number / Rhif y Cals | | | |
| EN020015 | | | |
| National Grid Drawing Reference / Cylwbrnod Lluniad National Grid | | | |
| DCO_DE/PS/06_01 | | | |
| Scale / Graddfa | Sheet / Dalen | Issue / Cylwedd | |
| 1:200 | A1 | SHEET 1 OF 4 | A |

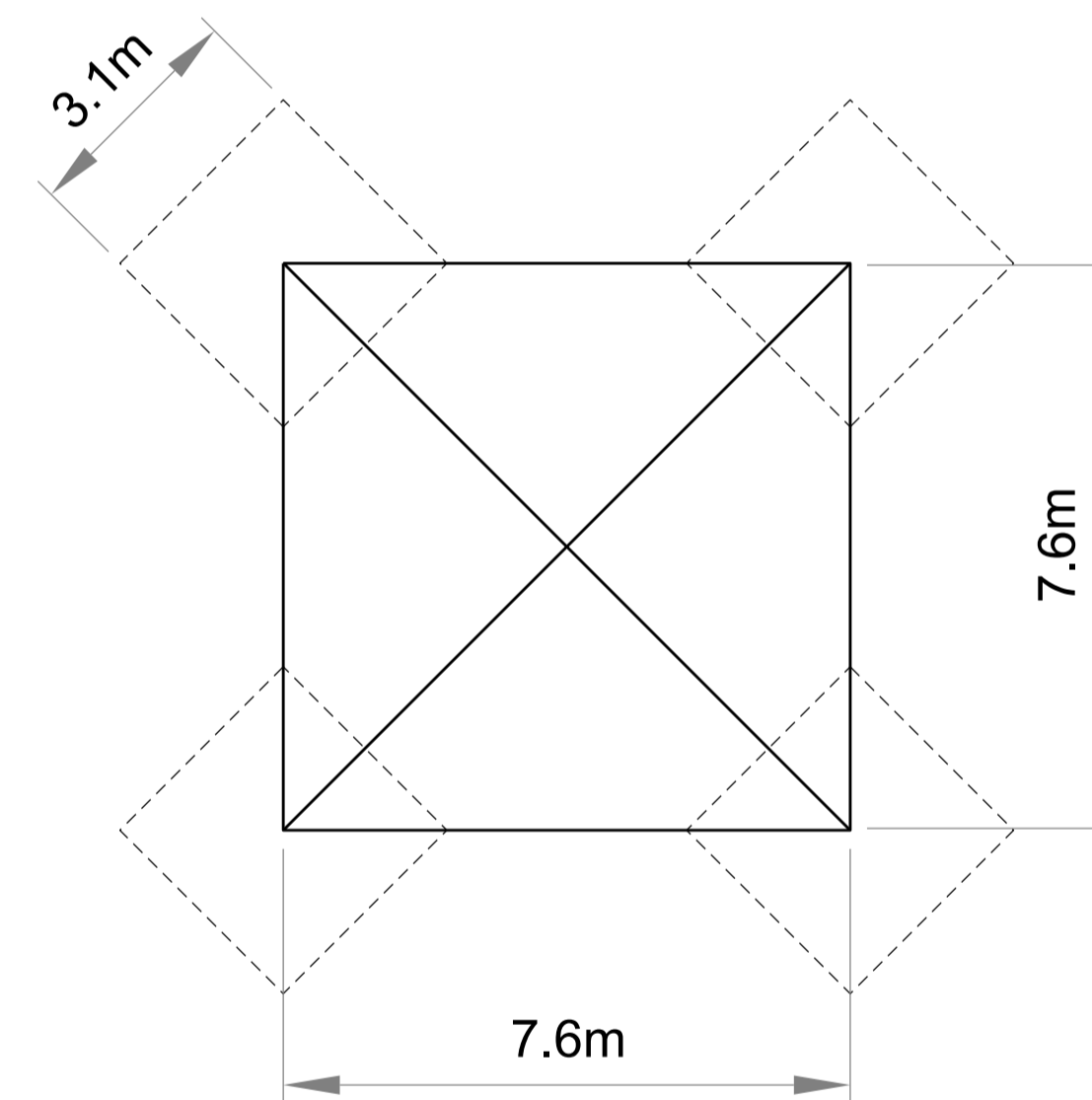
Legend / Allwedd

-  PYLON FOOTPRINT
-  FOUNDATION (BELOW GROUND LEVEL)

PROPOSED LATTICE PYLON FOOTPRINT



PROPOSED LOW HEIGHT LATTICE PYLON FOOTPRINT



Notes / Nodiadau

1. REFER TO DRAWING DE/PS/08_01 FOR LATTICE PYLON DESIGN.
2. THIS SHEET ILLUSTRATES IN PLAN A PAD AND COLUMN FOUNDATION. REFER TO DRAWING DCO_DE/PS/08_03 FOR OTHER FOUNDATION SIZES.

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|---|--|--------------------|----|----|----|
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| | | | | | |
| A | | FOR DCO SUBMISSION | JY | MF | RP |

| Drawn / Cyhoeddiad | Date / Dyddiad | Remarks / Sylweddau | Drawn / Tynnwyd | Checked / Gwirioedd | Approved / Cymeroddwyd |
|-----------------------|-------------------|------------------------|--------------------|------------------------|---------------------------|
|-----------------------|-------------------|------------------------|--------------------|------------------------|---------------------------|

Title / Teitl

THE NATIONAL GRID
 (NORTH WALES CONNECTION PROJECT) ORDER
 DESIGN PLAN:
 ILLUSTRATIVE LATTICE PYLON FOOTPRINTS
 REGULATION 5(2)(o)
 SHEET 2 OF 4

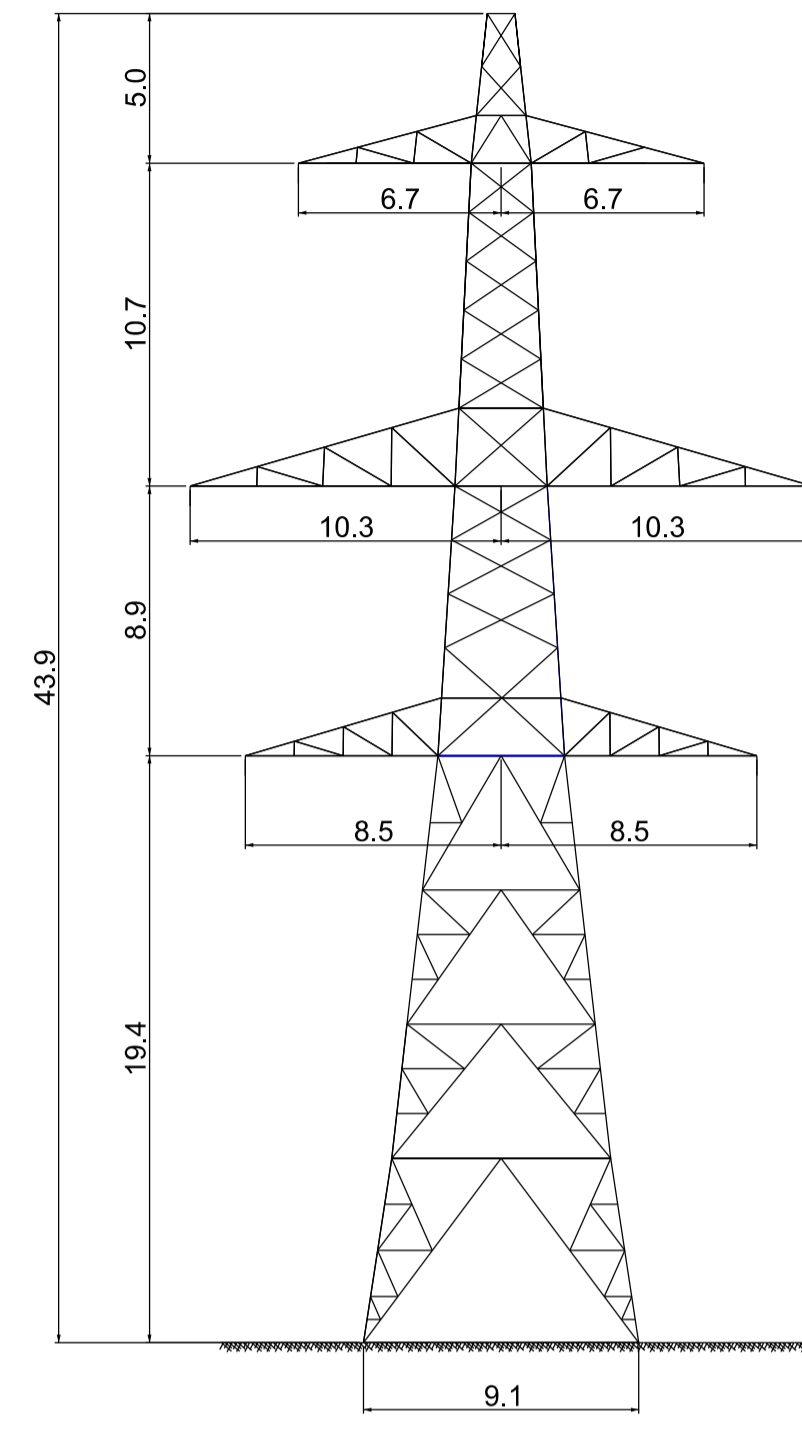
GORCHYMYN NATIONAL GRID
 (PROSIECT CYSYLLTIAD GOGLEDD CYMRU)
 CYNLLUN DYLUNIO:
 DARLUN O ÔL-TROED Y PEILONAU DELLT
 RHEOLIAD 5(2)(o)
 DALEN 2 O 4



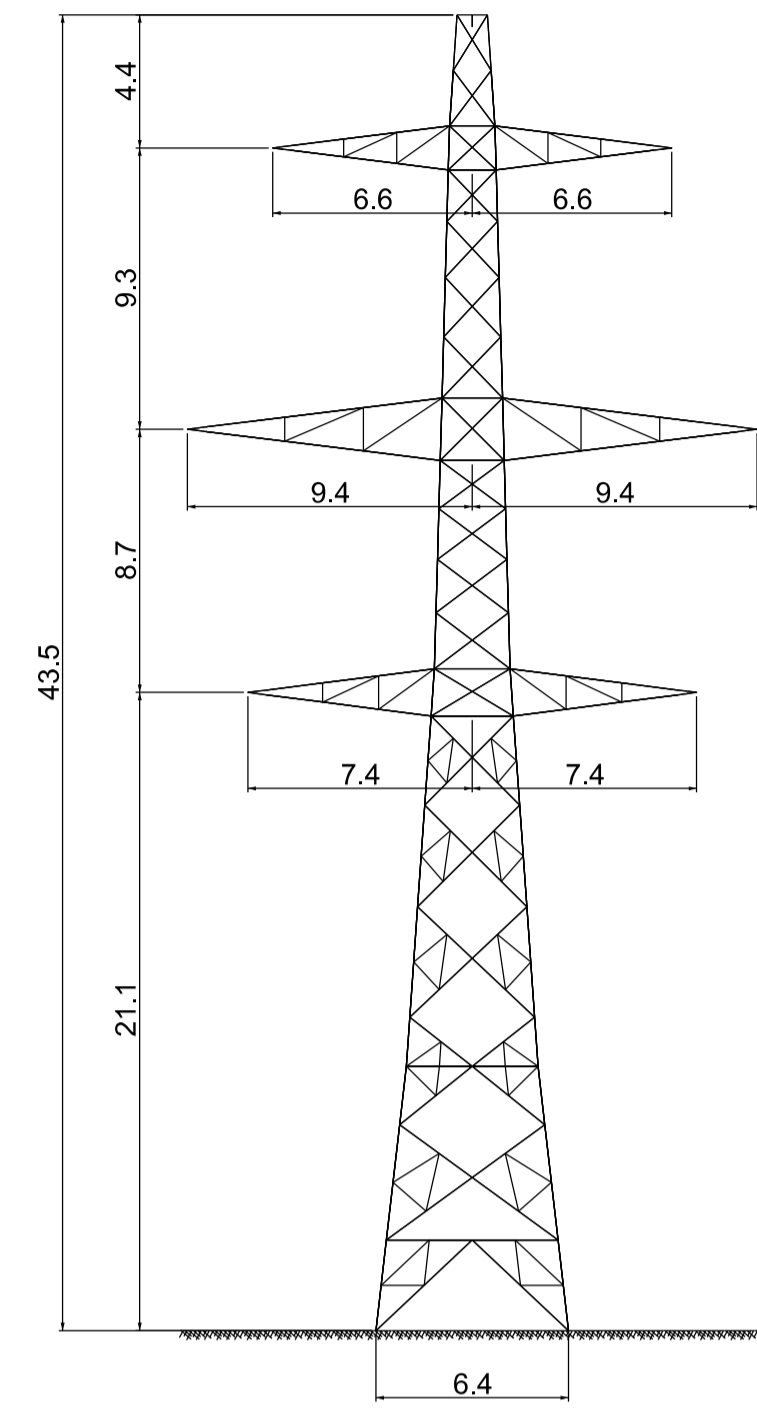
Application Number / Rhif y Cais: EN020015

National Grid Drawing Reference / Cylfeirnod Lluniad National Grid
 DCO_DE/PS/08_02

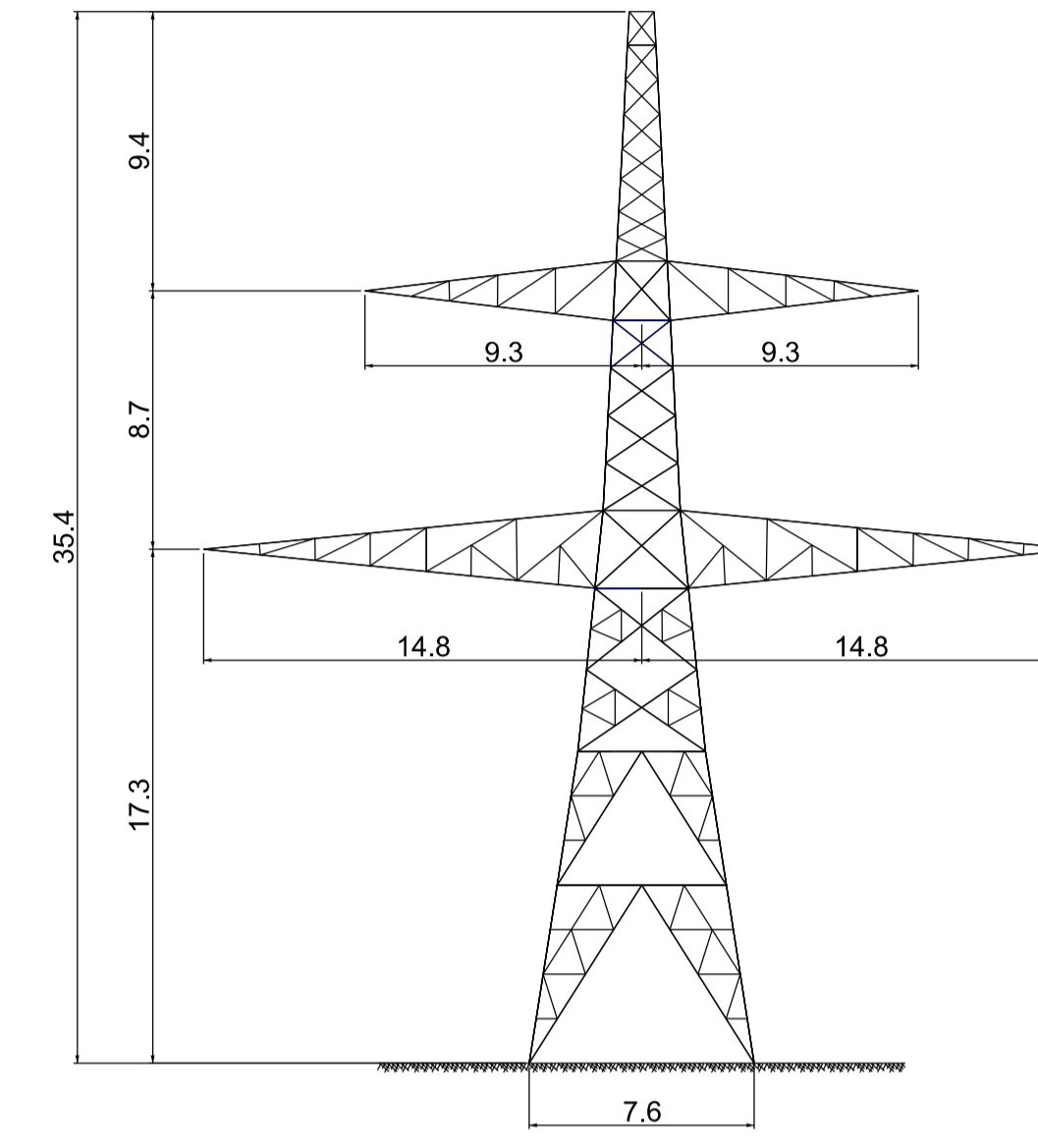
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| Scale / Graddfa 1:100 | Sheet Size / Mensi / Sizen A1 | Sheet / Dalen SHEET 2 OF 4 | Block / Cyhoeddiad A |
|--------------------------|-------------------------------------|-------------------------------|-------------------------|



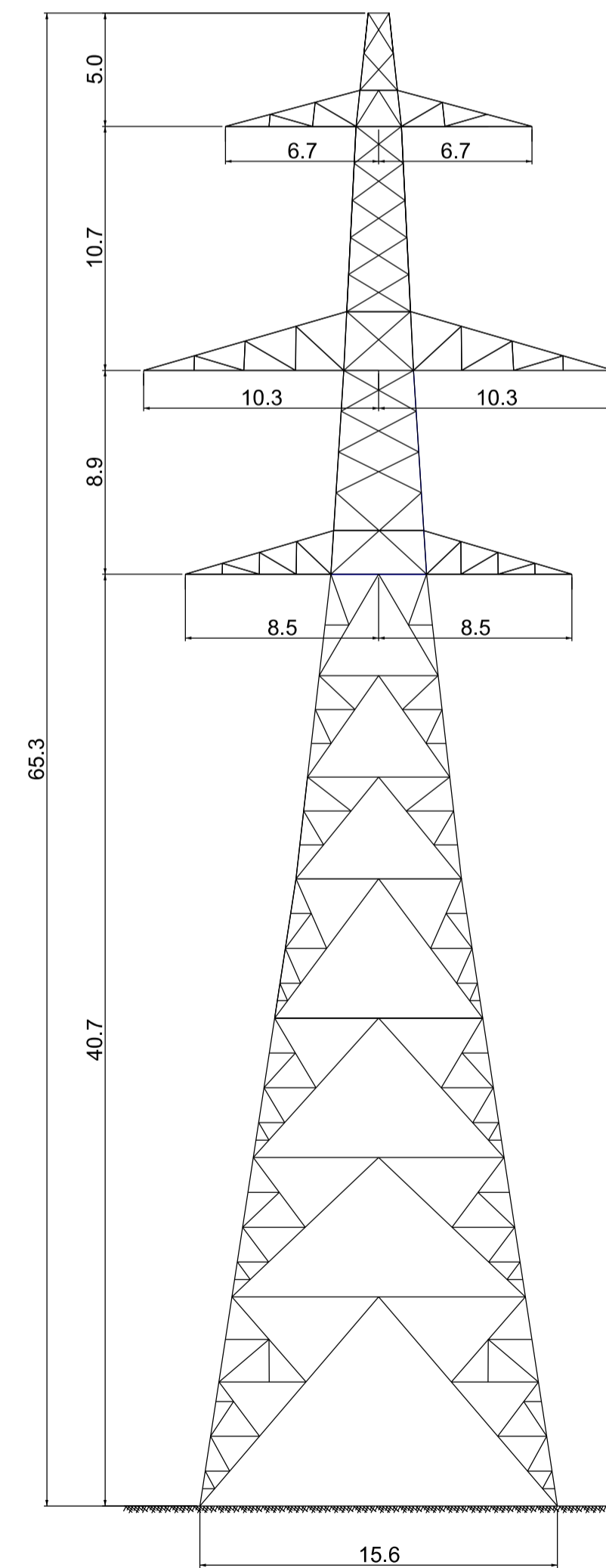
EXISTING PYLON
 MINIMUM HEIGHT
 (AS SHOWN ON PROFILES)



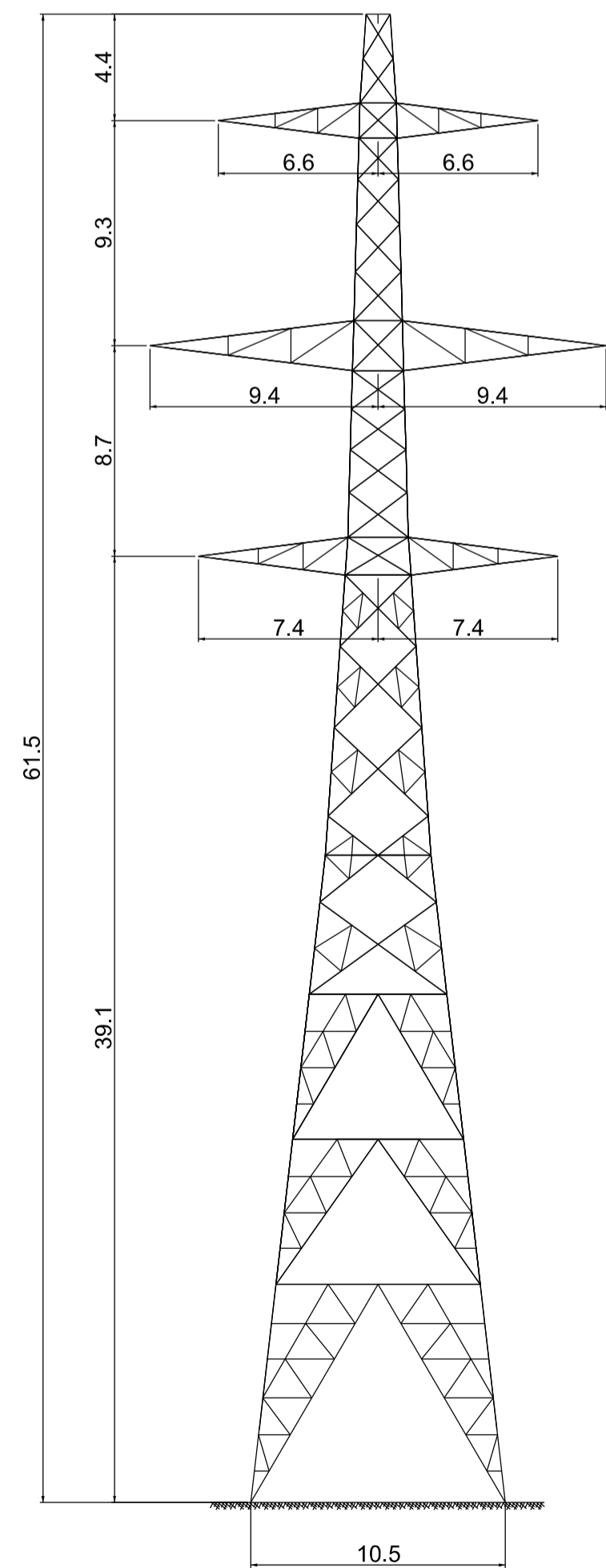
PROPOSED PYLON
 MINIMUM HEIGHT
 (AS SHOWN ON INDICATIVE PROFILES)



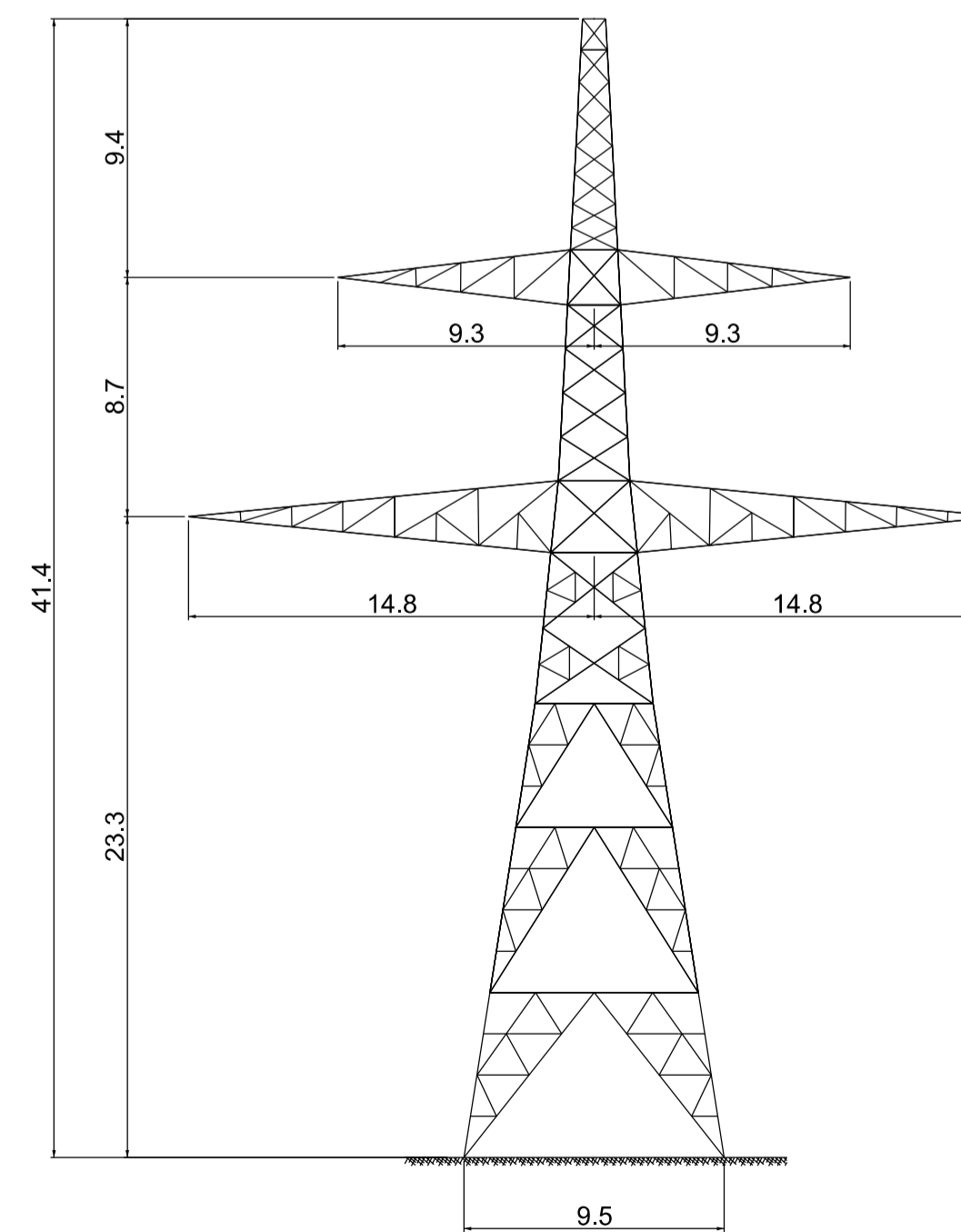
PROPOSED LOW HEIGHT PYLON
 MINIMUM HEIGHT
 (AS SHOWN ON INDICATIVE PROFILES)



EXISTING PYLON
 MAXIMUM HEIGHT
 (AS SHOWN ON PROFILES)



PROPOSED PYLON
 MAXIMUM HEIGHT
 (AS SHOWN ON INDICATIVE PROFILES)



PROPOSED LOW HEIGHT PYLON
 MAXIMUM HEIGHT
 (AS SHOWN ON INDICATIVE PROFILES)

Notes / Nodiadau

1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.
2. PYLON LEG SPACING AT GROUND LEVEL ASSUMES LEVEL GROUND CONDITIONS.
3. INDICATIVE PROFILES SHOWN ON DRAWINGS:

DCO_DE/PS/03_01 TO 12
 DCO_DE/PS/04_01 TO 12
 DCO_DE/PS/05_01 TO 06
 DCO_DE/PS/06_01

| Issue / Cyhoeddiad | Date / Dyddiad | Remarks / Sylweddau | Drawn / Tynnwyd | Checked / Gwirwyd | Approved / Cymerwydwyd |
|-----------------------|-------------------|------------------------|--------------------|----------------------|---------------------------|
| A | | FOR DCO SUBMISSION | JY | MF | RP |

Title / Teitl

THE NATIONAL GRID
 (NORTH WALES CONNECTION PROJECT) ORDER
 DESIGN PLAN: INDICATIVE MAXIMUM AND
 MINIMUM LATTICE PYLON HEIGHTS
 REGULATION 5(2)(o)
 SHEET 4 OF 4

GORCHYMYN NATIONAL GRID
 (PROSIECT CYSYLLTIAD GOGLEDD CYMRU)
 CYNLLUN Y DYLUANIAD: UCHDER DANGOSOL
 MWYAF A LLEIAF Y PEILONAU DELLT
 RHEOLIAD 5(2)(o)
 DALEN 4 O 4

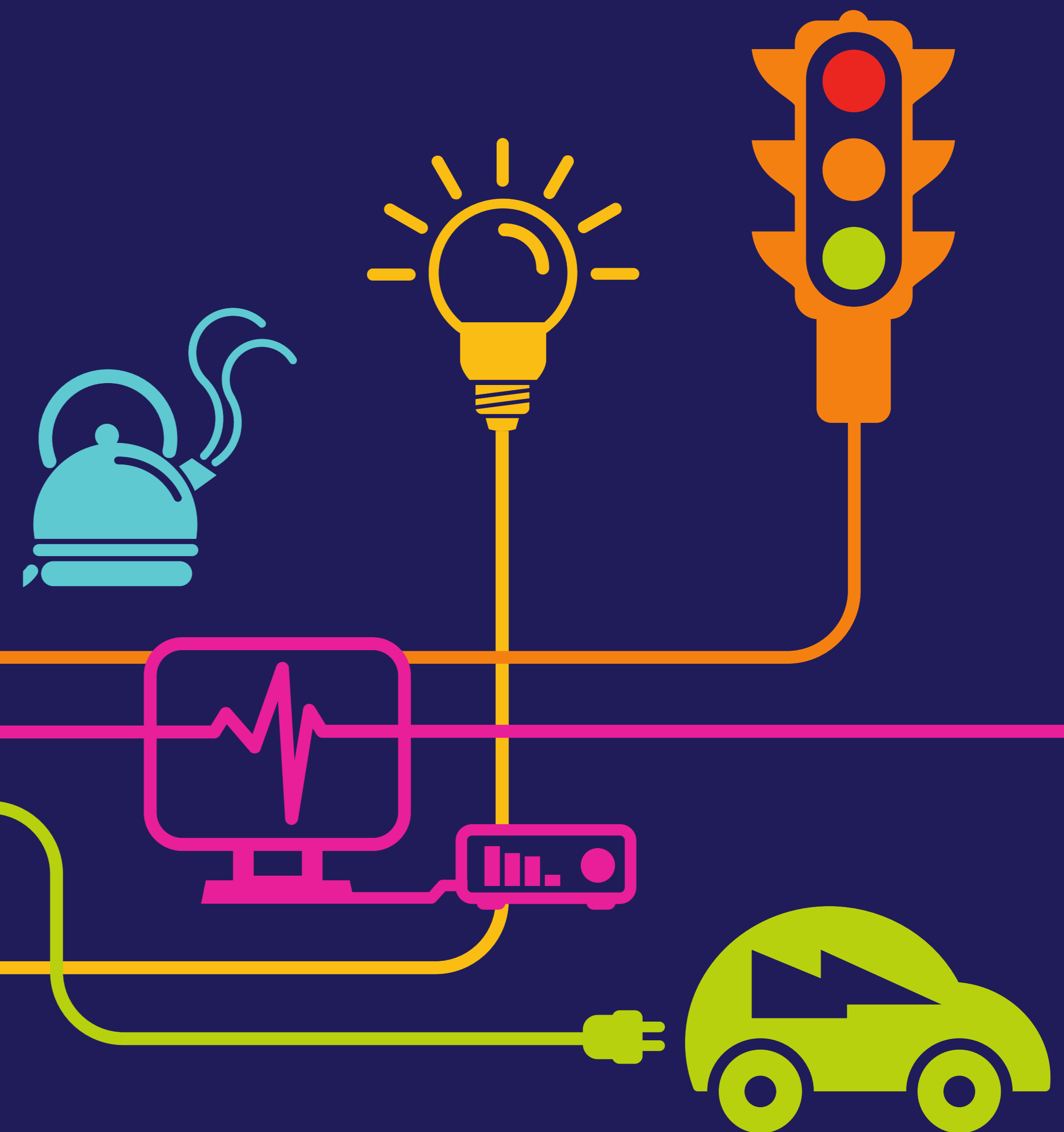
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|---|-------------------------------|---------------|--------------------|--|
| nationalgrid | | | | |
| Application Number / Rhif y Cais | | | | |
| EN020015 | | | | |
| National Grid Drawing Reference / Cyfeirnod Lluniad National Grid | | | | |
| DCO_DE/PS/08_04 | | | | |
| Scale / Graddfa | Sheet Size / Mensi y Sgein | Sheet / Dalen | Issue / Cyhoeddiad | |
| 1:250 | A1 | SHEET 4 OF 4 | A | |

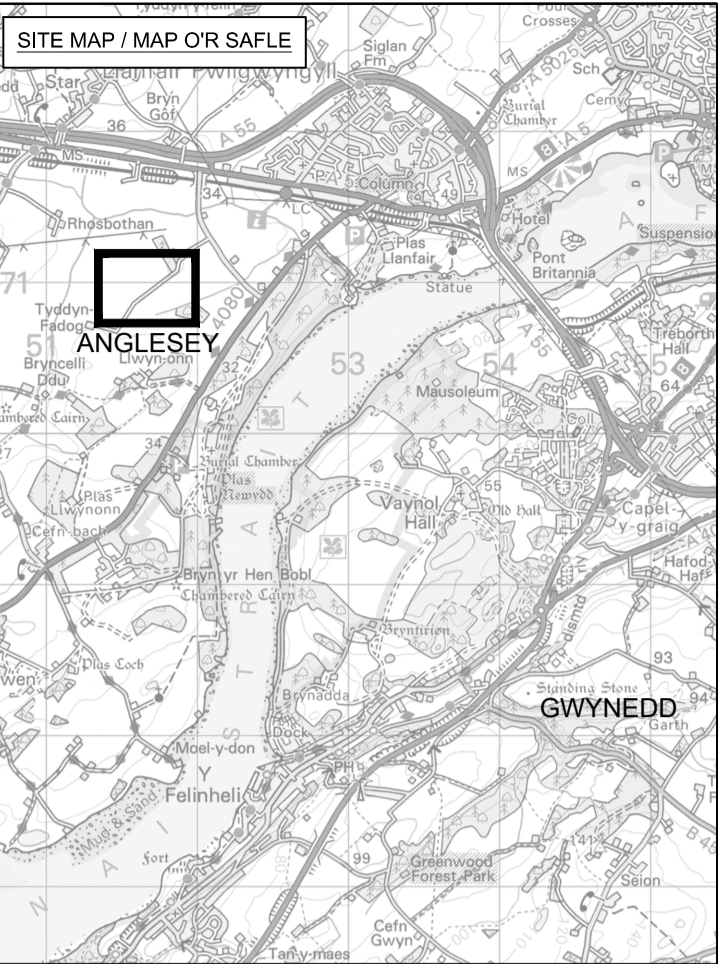
Design Drawings – Indicative & Parameter Tunnel Head House and Cable Sealing End Drawings

National Grid (North Wales Connection Project)

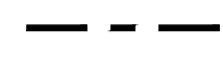








Drawing References DCO_DE/PS/09_01 to DCO_DE/PS/09_08

| Sheet | Plan Title |
|--------|---|
| 1 of 8 | DESIGN PLAN: PARAMETER PLAN FOR BRAINT TUNNEL HEAD HOUSE AND CABLE SEALING END COMPOUND |
| 2 of 8 | DESIGN PLAN: INDICATIVE FINAL ARRANGEMENT FOR BRAINT TUNNEL HEAD HOUSE AND CABLE SEALING END LOCATION |
| 3 of 8 | DESIGN PLAN: INDICATIVE FINISHED SURFACE LEVELS FOR BRAINT TUNNEL HEAD HOUSE AND CABLE SEALING END LOCATION |
| 4 of 8 | DESIGN PLAN: INDICATIVE FINAL ARRANGEMENT FOR BRAINT TUNNEL HEAD HOUSE AND CABLE SEALING END COMPOUND |
| 5 of 8 | DESIGN PLAN: PARAMETER PLAN FOR TŶ FODOL TUNNEL HEAD HOUSE AND CABLE SEALING END COMPOUND |
| 6 of 8 | DESIGN PLAN: INDICATIVE FINAL ARRANGEMENT FOR TŶ FODOL TUNNEL HEAD HOUSE AND CABLE SEALING END LOCATION |
| 7 of 8 | DESIGN PLAN: INDICATIVE FINISHED SURFACE LEVELS FOR TŶ FODOL TUNNEL HEAD HOUSE AND CABLE SEALING END LOCATION |
| 8 of 8 | DESIGN PLAN: INDICATIVE FINAL ARRANGEMENT FOR TŶ FODOLTUNNEL HEAD HOUSE AND CABLE SEALING END COMPOUND |



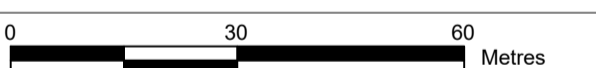


Legend / Allwedd

-  TEMPORARY CONSTRUCTION COMPOUND AREA
-  INDICATIVE AREA WITHIN WHICH POSSIBLE LANDSCAPING / MITIGATION WILL TAKE PLACE
-  ZONE WITHIN WHICH FULL LINE TENSION GANTRIES AND CABLE SEALING END WILL BE LOCATED
-  ZONE WITHIN WHICH TUNNEL HEAD HOUSE WILL BE LOCATED
-  ZONE WITHIN WHICH PERMANENT ACCESS ROAD WILL BE LOCATED
-  AREA WITHIN WHICH TUNNEL HEAD HOUSE AND CABLE SEALING END COMPOUND WILL BE LOCATED
-  ILLUSTRATIVE SIZE OF THE TUNNEL HEAD HOUSE AND CABLE SEALING END COMPOUND
-  ILLUSTRATIVE LOCATION OF THE TUNNEL HEAD HOUSE (MAXIMUM DIMENSIONS MEASURED EXTERNALLY (H) 8m VOLUME 4.350m³)
-  ILLUSTRATIVE ROUTE OF PERMANENT ACCESS ROAD

Notes / Nodiadau

1. This drawing is scaled at paper size A1, therefore any prints taken at smaller sizes will affect accuracy of the measurement units and should not be scaled against.



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| Issue / Cylwedd | Date / Dyddiad | Remarks / Sylweddau | Drawn / Tyniwyd | Checked / Cymerwyd | Approved / Cymerwyd |
|-----------------|----------------|---------------------|-----------------|--------------------|---------------------|
| A | | FOR DCO SUBMISSION | KJ | SR | RP |

Title / Teitl

THE NATIONAL GRID
 (NORTH WALES CONNECTION PROJECT) ORDER
 DESIGN PLAN: PARAMETER PLAN
 FOR BRAINT TUNNEL HEAD HOUSE AND
 CABLE SEALING END COMPOUND
 REGULATION 5(2)(o)
 SHEET 1 OF 8
 ISLE OF ANGLESEY COUNTY COUNCIL

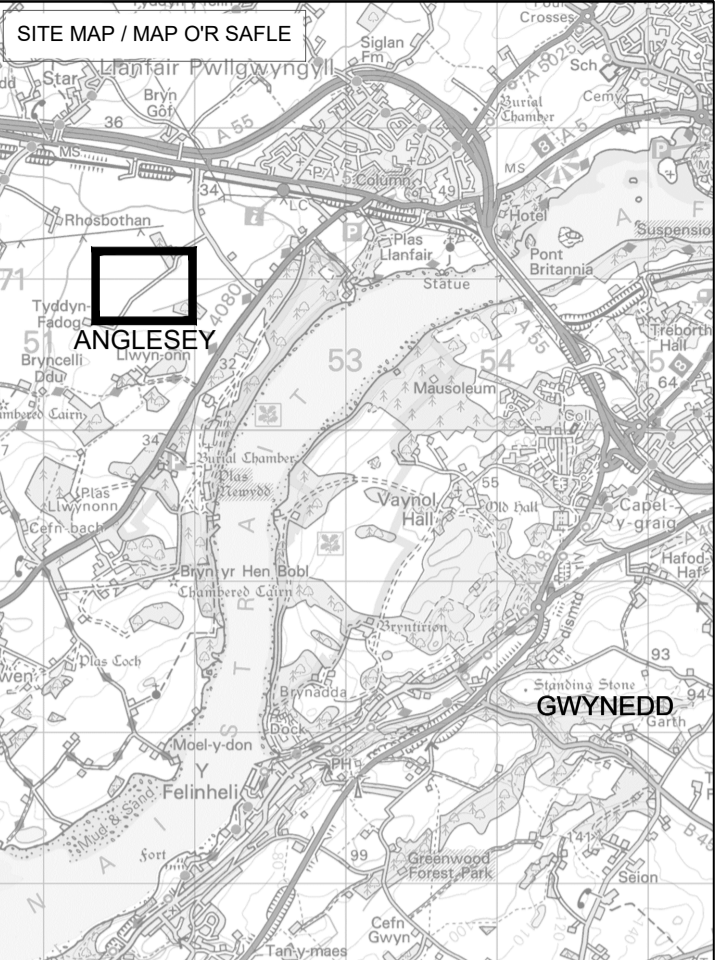
GORCHYMYN NATIONAL GRID
 (PROSIECT CYSYLLTIAD GOGLEDD CYMRU)
 CYNLLUN DYLLUNIO: CYNLLUN O'R PARAMEDR AR GYFER PRIF
 DŶ TWNNEL AFON BRAINT A'R COMPOWND SY'N SELIO
 PENNAU CEBLAU
 RHEOLIAD 5(2)(o)
 DALEN 1 O 8
 CYNGOR SIR YNYS MÔN



Application Number / Rhif y Cais
 EN020015

National Grid Drawing Reference / Cyfeirnod Lluniad National Grid
 DCO_DE/PS/09_01

| Scale / Graddfa | Sheet Size / Mân y Ddalen | Sheet / Dalen | Issue / Cylwedd |
|-----------------|---------------------------|---------------|-----------------|
| 1:1000 | A1 | SHEET 1 OF 8 | A |



Legend / Allwedd

- TUNNEL HEAD HOUSE AND SEALING END COMPOUND BOUNDARY
- CROSS SECTION ALIGNMENTS
- PERMANENT ACCESS ROAD
- POND GRAVEL ACCESS TRACK
- SALINE WATER DRAINAGE
- SURFACE WATER DRAINAGE
- OILY WATER DRAINAGE
- WASTE WATER DRAINAGE
- EXTENT OF PERMANENT LAND TAKE
- DISTRIBUTION NETWORK OPERATOR'S COMPOUND
- GROUND SURFACE CONTOURS

Notes / Nodiadau

1. This drawing is scaled at paper size A1, therefore any prints taken at smaller sizes will affect accuracy of the measurement units and should not be scaled against.
2. Refer to DCO_DE/PS/09_03 Sheet 3 of 8 for cross section profiles.



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| Issue / Pwyswedd | Date / Dyddiad | Remarks / Sylweddau | Drawn / Tynnedd | Checked / Gwirysd | Approved / Cymeradwyrsd |
|------------------|----------------|---------------------|-----------------|-------------------|-------------------------|
| | | | | | |

Title / Teitl

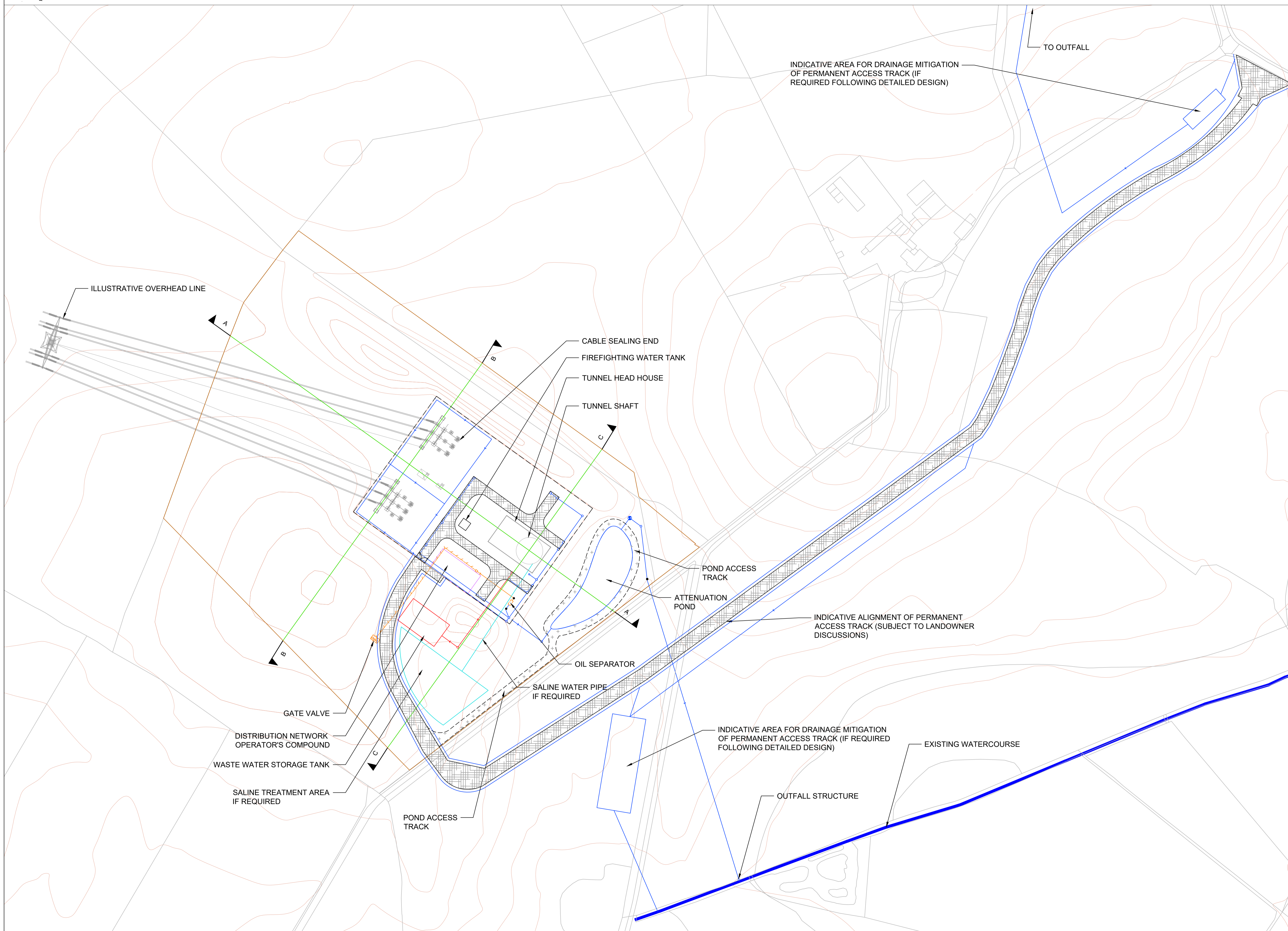
THE NATIONAL GRID (NORTH WALES CONNECTION PROJECT) ORDER
 DESIGN PLAN: INDICATIVE FINAL ARRANGEMENT FOR BRAINT TUNNEL HEAD HOUSE AND CABLE SEALING END LOCATION
 REGULATION 5(2)(o)
 SHEET 2 OF 8
 ISLE OF ANGLESEY COUNTY COUNCIL

GORCHYMYN NATIONAL GRID (PROSIECT CYSYLLTIAD GOGLEDD CYMRU)
 CYNLLUN DYLUNIO: TREFNIANT DANGOSOL TERFYNOL O'R PARAMEDR AR GYFER PRIF DŶ TWNEL AFON BRAINT A'R LLEOLIAD LLE CAIFF PENNAU CEBLAU EU SELIO
 RHEOLIAD 5(2)(o)
 DALEN 2 O 8
 CYNGOR SIR YNYS MÔN

nationalgrid

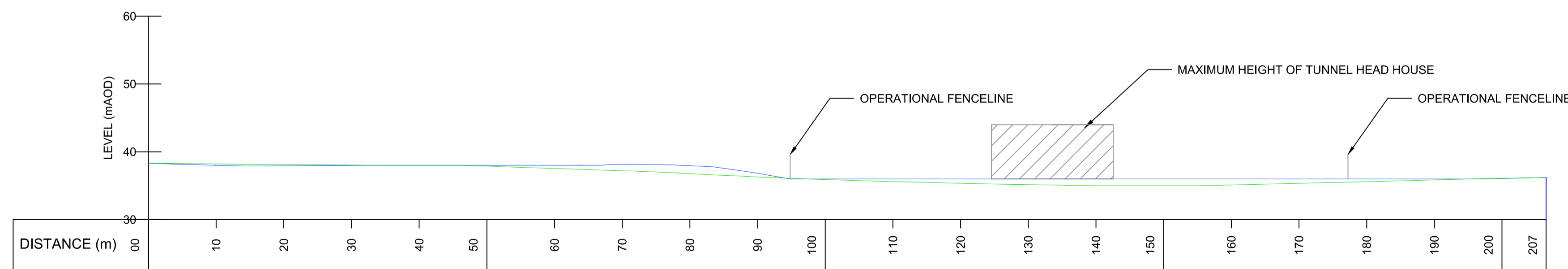
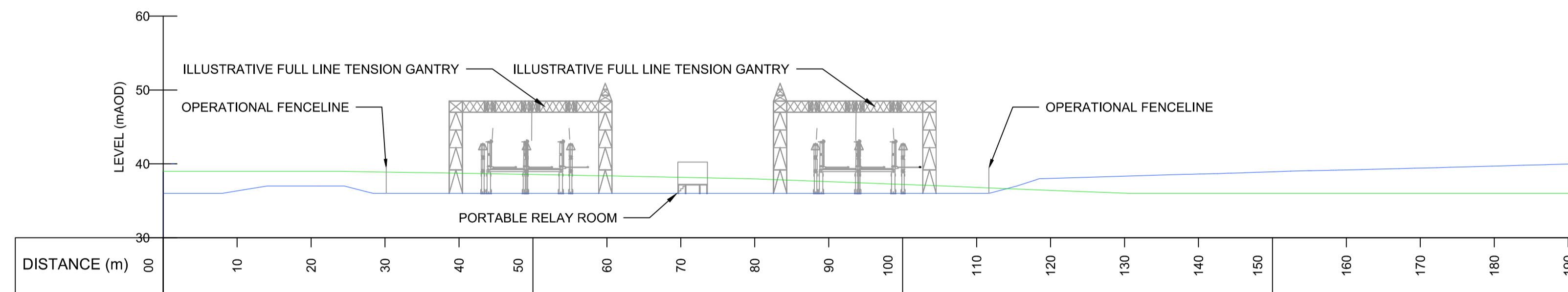
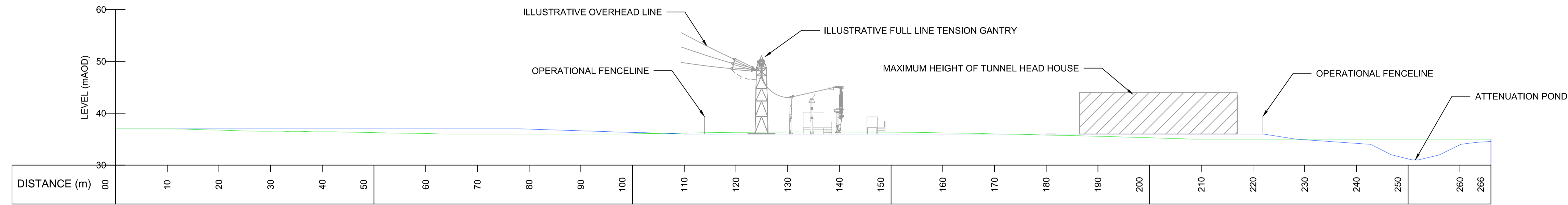
Application Number / Rhif y Cais: EN020015
 National Grid Drawing Reference / Cylfeirnod Lluniad National Grid: DCO_DE/PS/09_02

| Scale / Graddfa | Sheet Size / Mensi y Ddaen | Sheet / Ddaen | Issue / Cyfnewid |
|-----------------|----------------------------|---------------|------------------|
| 1:1000 | A1 | SHEET 2 OF 8 | A |

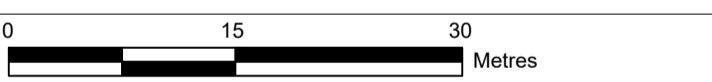


Legend / Allwedd

- EXISTING GROUND LEVEL
- PROPOSED FINISHED SURFACE LEVEL



- Notes / Nodiadau**
- This drawing is scaled at paper size A1, therefore any prints taken at smaller sizes will affect accuracy of the measurement units and should not be scaled against.
 - Tunnel head house is shown as maximum dimensions set out in the Parameter Plan see DCO_DE/PS/09_01 Sheet 1 of 8.
 - See DCO_DE/PS/01_07 Sheet 7 of 10 for structure details.
 - See DCO_DE/PS/09_02 Sheet 2 of 8 for arrangement layout and cross section locations.



| Issue / Cyhoeddiad | Date / Dyddiad | Remarks / Sylweddau | Drawn / Tynnydd | Checked / Gwirio | Approved / Cymeradwydd |
|--------------------|----------------|---------------------|-----------------|------------------|------------------------|
| A | | FOR DCO SUBMISSION | KJ | SR | RP |

Title / Teitl

THE NATIONAL GRID
 (NORTH WALES CONNECTION PROJECT) ORDER
 DESIGN PLAN: INDICATIVE FINISHED SURFACE LEVELS FOR
 BRAINT TUNNEL HEAD HOUSE AND CABLE SEALING END
 LOCATION
 REGULATION 5(2)(o)
 SHEET 3 OF 8
 ISLE OF ANGLESEY COUNTY COUNCIL

GORCHYMYN NATIONAL GRID
 (PROSIECT CYSYLLTIAD GOGLEDD CYMRU)
 CYNLLUN DYLLUNIO: LEFELAU ARWYNEB DANGOSOL TERFYNOL
 AR GYFER PRIF DŶ TUNNEL AFON BRAINT A'R LLEOLIAD LLE
 CAIFF PENNAU CEBLAU EU SELIO
 RHEOLIAD 5(2)(o)
 DALEN 3 O 8
 CYNGOR SIR YNYS MÔN



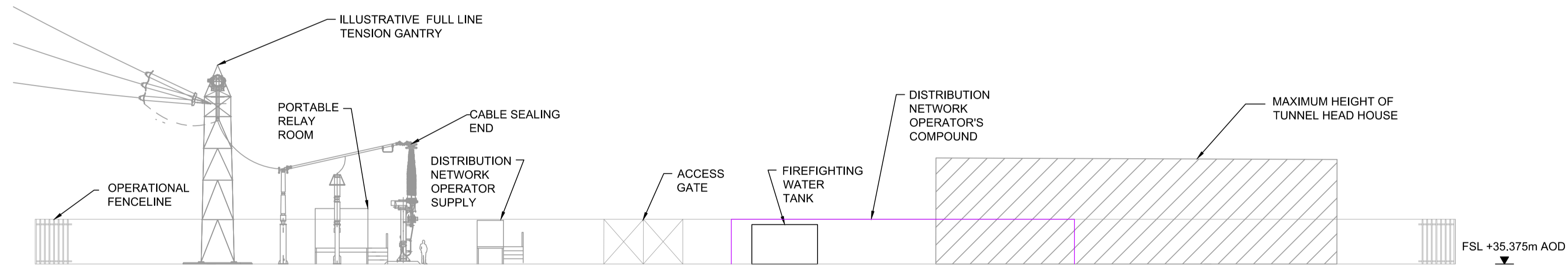
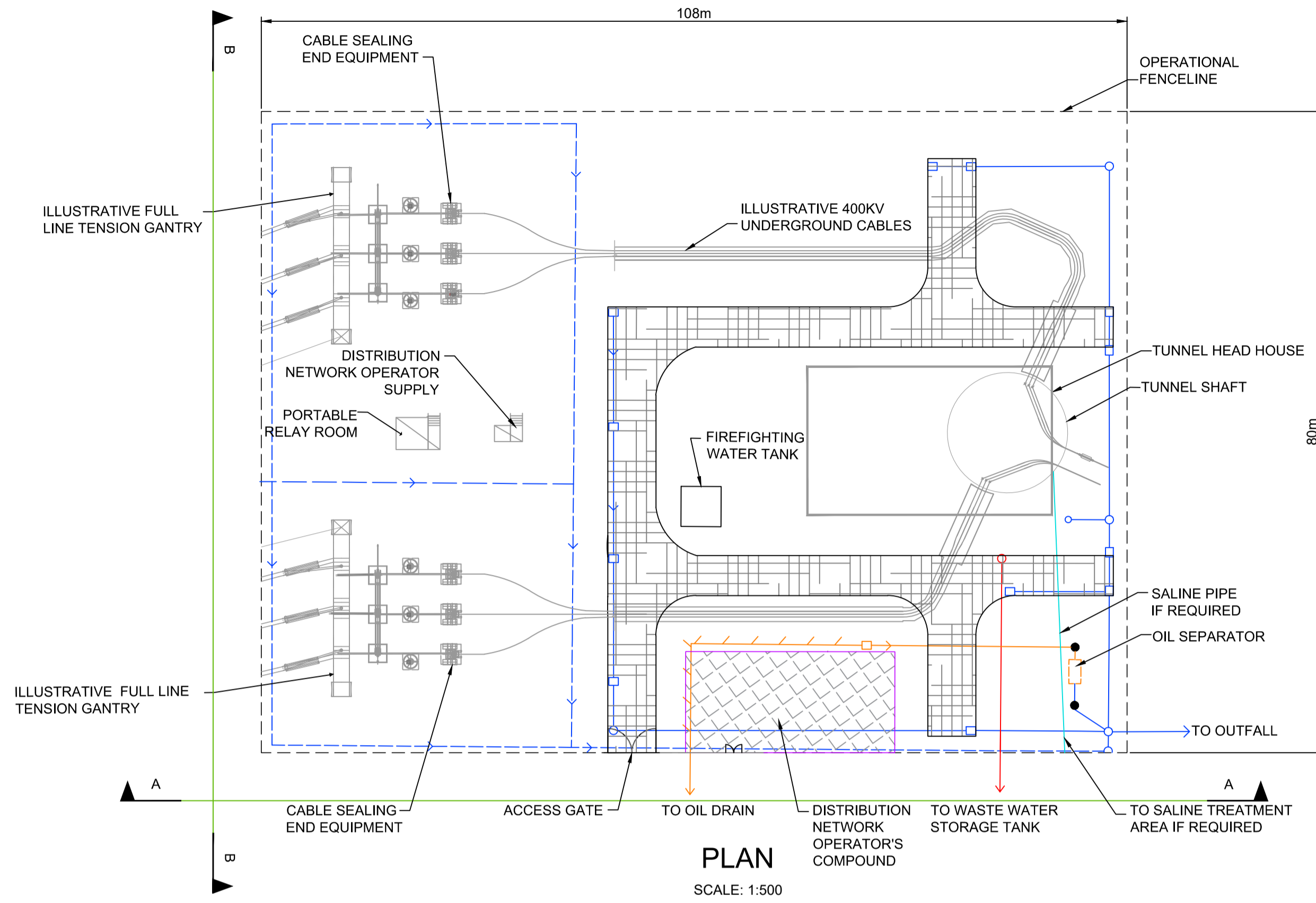
Application Number / Rhif y Cais
 EN020015

National Grid Drawing Reference / Cyfeirnod Lluniad National Grid
 DCO_DE/PS/09_03

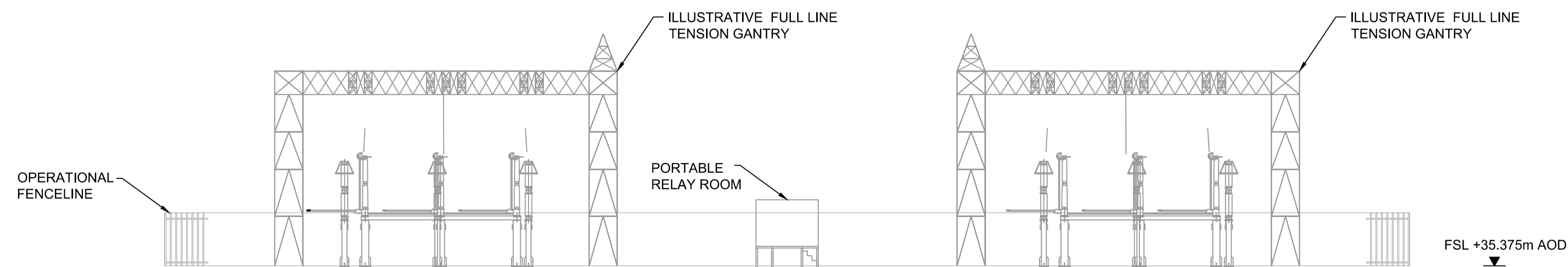
| Scale / Graddfa | Sheet Size / Mân y Ddalen | Sheet / Dalen | Issue / Cyhoeddiad |
|-----------------|---------------------------|---------------|--------------------|
| 1:500 | A1 | SHEET 3 OF 8 | A |

Legend / Allwedd

| | |
|-----|--|
| | PERMANENT ACCESS ROAD |
| | DISTRIBUTION NETWORK OPERATOR'S COMPOUND |
| | CROSS SECTION ALIGNMENTS |
| | SURFACE WATER FILTER DRAIN |
| | SURFACE WATER PIPE |
| | WASTE WATER PIPE |
| | OILY WATER PIPE |
| | SALINE WATER PIPE |
| | OPERATIONAL FENCELINE |
| FSL | FINISHED SURFACE LEVEL |
| AOD | ABOVE ORDNANCE DATUM |



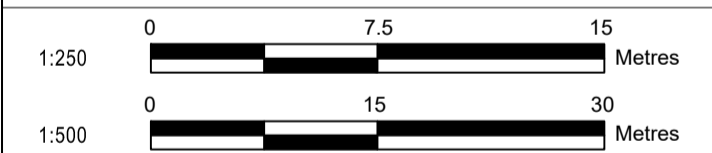
ELEVATION A-A
 SCALE: 1:250



ELEVATION B-B
 SCALE: 1:250

Notes / Nodiadau

- This drawing is scaled at paper size A1, therefore any prints taken at smaller sizes will affect accuracy of the measurement units and should not be scaled against.
- Compound surface properties subject to detailed design.



| | | | | |
|-----------------------|--------------------|-----------------------|--------------------|---------------------|
| A | FOR DCO SUBMISSION | KJ | SR | RP |
| Issue / Cyhoeddiad | Date / Dyddiad | Remarks / Sylwadau | Drawn / Tynnydd | Checked / Gwirio |

Title / Teitl
 THE NATIONAL GRID
 (NORTH WALES CONNECTION PROJECT) ORDER
 DESIGN PLAN: INDICATIVE FINAL ARRANGEMENT
 FOR BRAINT TUNNEL HEAD HOUSE
 AND CABLE SEALING END COMPOUND
 REGULATION 5(2)(o)
 SHEET 4 OF 8
 ISLE OF ANGLESEY COUNTY COUNCIL
 GORCHYMYN NATIONAL GRID
 (PROSIECT CYSYLLTIAD GOGLEDD CYMRU)
 CYNLLUN DYLLUNIO: TREFNIANT DANGOSOL
 TERFYNOL AR GYFER PRIF DŶ TWNNEL AFON
 BRAINT A'R COMPOWND LLE CAIFF PENNAU
 CEBLAU EU SELIO
 RHEOLIAD 5(2)(o)
 DALEN 4 O 8
 CYNGOR SIR YNYS MÔN

nationalgrid

Application Number / Rhif y Cais
 EN020015

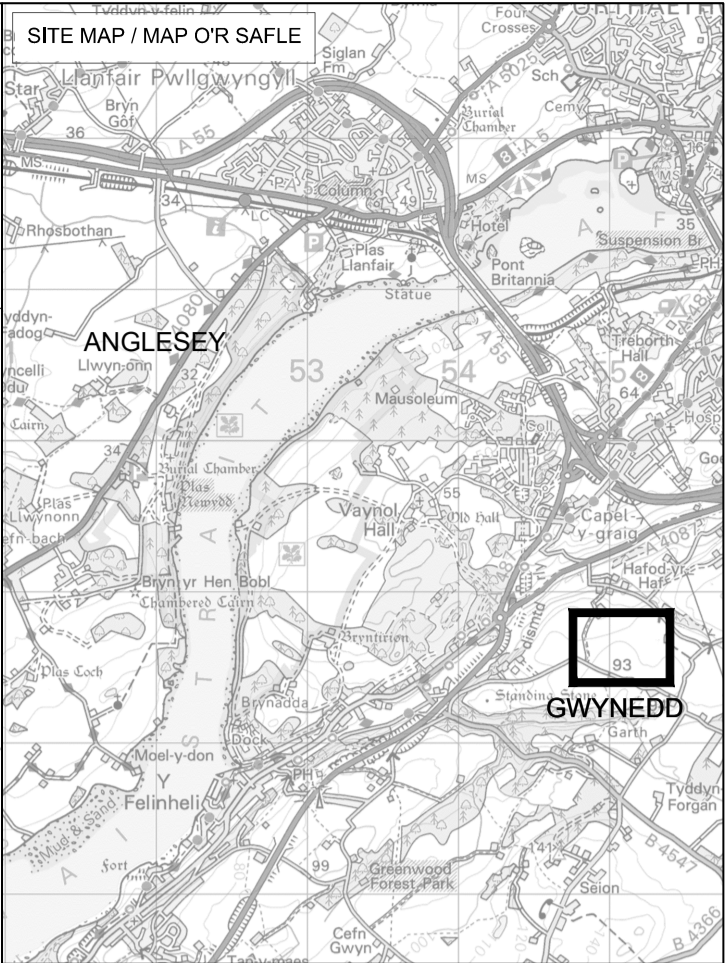
National Grid Drawing Reference / Cyfeirnod Lluniad National Grid
 DCO_DE/PS/09_04

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| Scale / Graddfa | Sheet Size / Mensi y Ddiagram | Sheet / Ddiagram | Issue / Cyhoeddiad |
| AS SHOWN | A1 | SHEET 4 OF 8 | A |



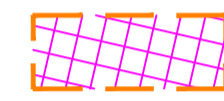
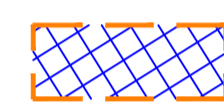

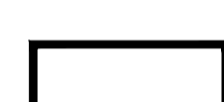





THE NATIONAL GRID (NORTH WALES CONNECTION PROJECT) ORDER
 DESIGN PLAN: PARAMETER PLAN FOR Tŷ FODOL TUNNEL HEAD HOUSE AND
 CABLE SEALING END COMPOUND
 REGULATION 5(2)(o)
 SHEET 5 OF 8
 GWYNEDD COUNCIL

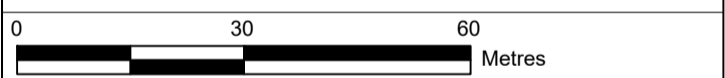
GORCHYMYN NATIONAL GRID (PROSIECT CYSYLLTIAD GOGLEDD CYMRU)
 CYNLLUN DYLLUNIO: CYNLLUN O'R PARAMEDR AR GYFER PRIF Dŷ TWNNEL Tŷ FODOL
 A'R COMPOWND SY'N SELIO PENNAU CEBLAU
 RHEOLIAD 5(2)(o)
 DALEN 5 O 8
 CYNGOR GWYNEDD



Legend / Allwedd

-  TEMPORARY CONSTRUCTION COMPOUND AREA
-  INDICATIVE AREA WITHIN WHICH POSSIBLE LANDSCAPING / MITIGATION WILL TAKE PLACE
-  ZONE WITHIN WHICH FULL LINE TENSION GANTRIES AND CABLE SEALING END WILL BE LOCATED
-  ZONE WITHIN WHICH TUNNEL HEAD HOUSE WILL BE LOCATED
-  AREA WITHIN WHICH TUNNEL HEAD HOUSE AND CABLE SEALING END COMPOUND WILL BE LOCATED
-  ILLUSTRATIVE SIZE OF THE TUNNEL HEAD HOUSE AND CABLE SEALING END COMPOUND
-  ILLUSTRATIVE LOCATION OF THE TUNNEL HEAD HOUSE (MAXIMUM DIMENSIONS MEASURED EXTERNALLY (H) 11m VOLUME 9,300m³)
-  ILLUSTRATIVE ROUTE OF PERMANENT ACCESS ROAD
-  ZONE WITHIN WHICH PERMANENT ACCESS ROAD WILL BE LOCATED

Notes / Nodiadau
 1. This drawing is scaled at paper size A1, therefore any prints taken at smaller sizes will affect accuracy of the measurement units and should not be scaled against.



BACKGROUND MAPPING INFORMATION HAS BEEN REPRODUCED FROM THE ORDNANCE SURVEY MAP BY PERMISSION OF ORDNANCE SURVEY ON BEHALF OF THE CONTROLLER OF HER MAJESTY'S STATIONERY OFFICE. © CROWN COPYRIGHT ORDNANCE SURVEY. NATIONAL GRID ELECTRICITY - 100024241. NATIONAL GRID GAS - 100024666.

| A | FOR DCO SUBMISSION | KJ | SR | RP |
|--------------------|--------------------|--------------------|-----------------|---|
| Issue / Cyhoeddiad | Date / Dyddiad | Remarks / Sylwadau | Drawn / Tynnwyd | Checked / Gwirwyd / Approved / Cymeradwywyd |

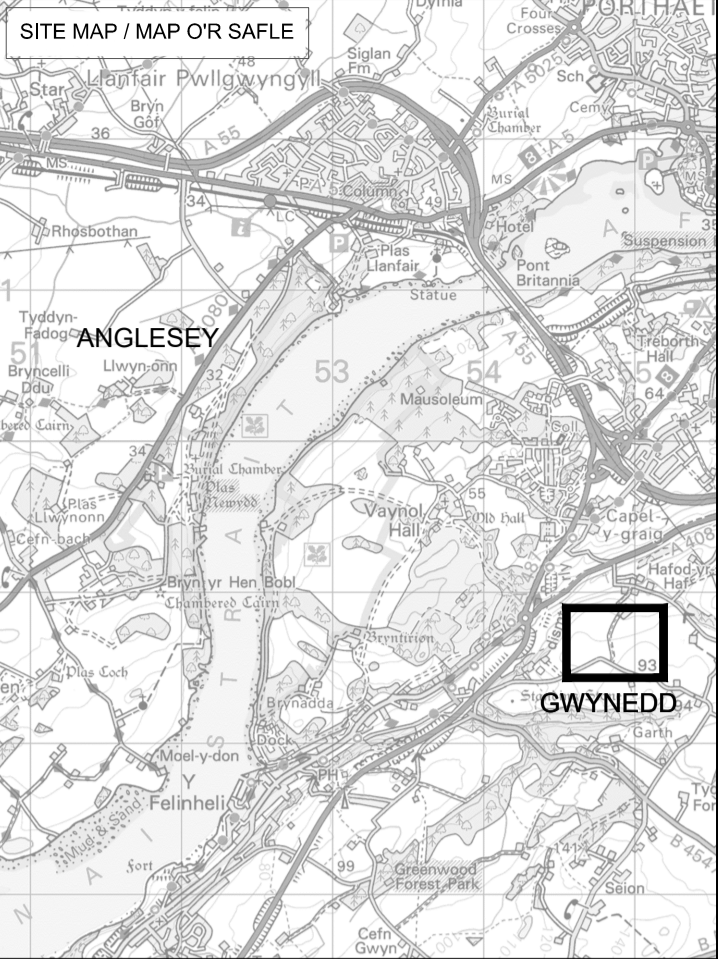
Title / Teitl
 THE NATIONAL GRID (NORTH WALES CONNECTION PROJECT) ORDER
 DESIGN PLAN: PARAMETER PLAN FOR Tŷ FODOL TUNNEL HEAD HOUSE AND CABLE SEALING END COMPOUND
 REGULATION 5(2)(o)
 SHEET 5 OF 8
 GWYNEDD COUNCIL

GORCHYMYN NATIONAL GRID (PROSIECT CYSYLLTIAD GOGLEDD CYMRU)
 CYNLLUN DYLLUNIO: CYNLLUN O'R PARAMEDR AR GYFER PRIF Dŷ TWNNEL Tŷ FODOL A'R COMPOWND SY'N SELIO PENNAU CEBLAU
 RHEOLIAD 5(2)(o)
 DALEN 5 O 8
 CYNGOR GWYNEDD



Application Number / Rhif y Cais: EN020015
 National Grid Drawing Reference / Cyfeirnod Lluniad National Grid: DCO_DE/PS/09_05

| Scale / Graddfa | Sheet Size / Mest y Ddaen | Sheet / Ddaen | Issue / Cyhoeddiad |
|-----------------|---------------------------|---------------|--------------------|
| 1:1000 | A1 | SHEET 5 OF 8 | A |

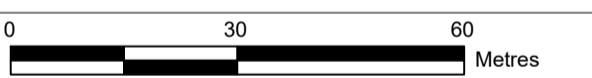


Legend / Allwedd

- TUNNEL HEAD HOUSE AND SEALING END COMPOUND BOUNDARY
- CROSS SECTION ALIGNMENTS
- PERMANENT ACCESS ROAD
- POND GRAVEL ACCESS TRACK
- SALINE WATER DRAINAGE
- SURFACE WATER DRAINAGE
- OILY WATER DRAINAGE
- WASTE WATER DRAINAGE
- EXTENTS OF PERMANENT LAND TAKE
- DISTRIBUTION NETWORK OPERATOR'S COMPOUND
- GROUND SURFACE CONTOURS

Notes / Nodiadau

1. This drawing is scaled at paper size A1, therefore any prints taken at smaller sizes will affect accuracy of the measurement units and should not be scaled against.
2. Refer to DCO_DE/PS/09_07 sheet 7 of 8 for cross section profiles.



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| Issue / Cychwedd | Date / Dyddiad | Remarks / Sylweddau | Drawn / Tynnydd | Checked / Gwirio | Approved / Cymeradwydd |
|------------------|----------------|---------------------|-----------------|------------------|------------------------|
| A | | FOR DCO SUBMISSION | KJ | SR | RP |

Title / Teitl
 THE NATIONAL GRID
 (NORTH WALES CONNECTION PROJECT) ORDER
 DESIGN PLAN: INDICATIVE FINAL ARRANGEMENT FOR Tŷ FODOL TUNNEL HEAD HOUSE AND CABLE SEALING END LOCATION
 REGULATION 5(2)(o)
 SHEET 6 OF 8
 GWYNEDD COUNCIL

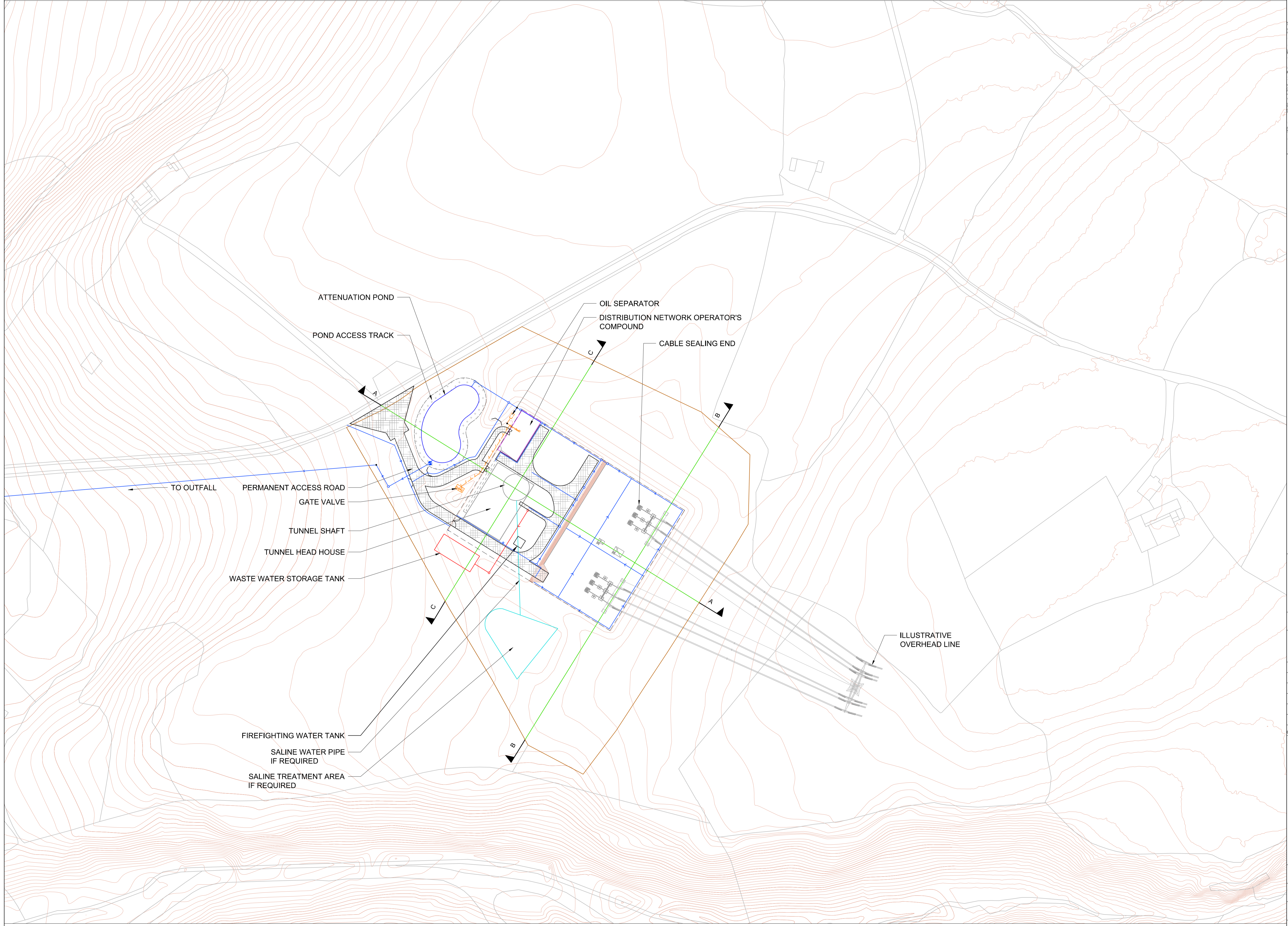
GORCHYMYN NATIONAL GRID
 (PROSIECT CYSYLLTIAD GOGLEDD CYMRU)
 CYNLLUN DYLUNIO: TREFNIANT DANGOSOL TERFYNOL O'R PARAMEDR AR GYFER PRIF Dŷ TUNNEL Tŷ FODOL A'R LLEOLIAD LLE CAIFF PENNAU CEBLAU EU SELIO
 RHEOLIAD 5(2)(o)
 DALEN 6 O 8
 CYNGOR GWYNEDD



Application Number / Rhif y Cais: EN020015

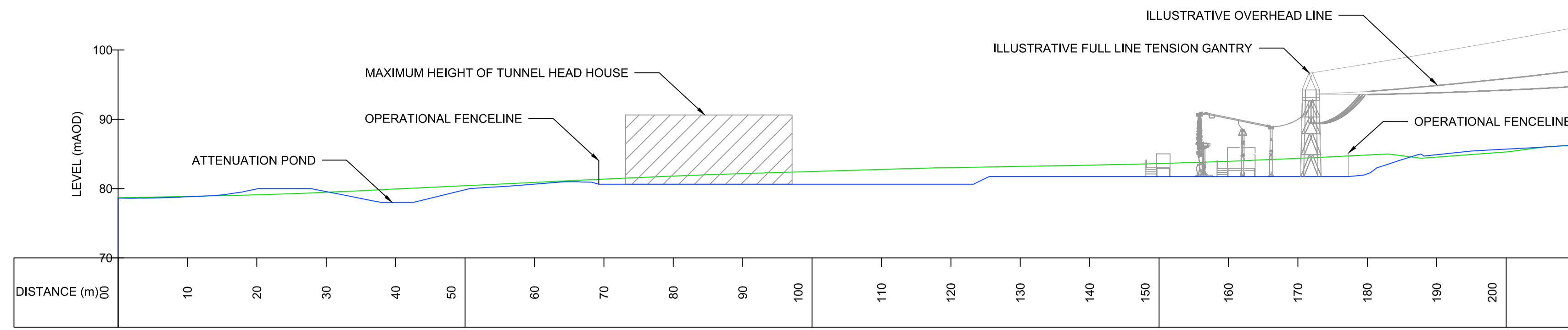
National Grid Drawing Reference / Cyfeirnod Lliniad National Grid: DCO_DE/PS/09_06

| Scale / Graddfa | Sheet Size / Mân y Ddaen | Sheet / Ddaen | Issue / Cychwedd |
|-----------------|--------------------------|---------------|------------------|
| 1:1000 | A1 | SHEET 6 OF 8 | A |

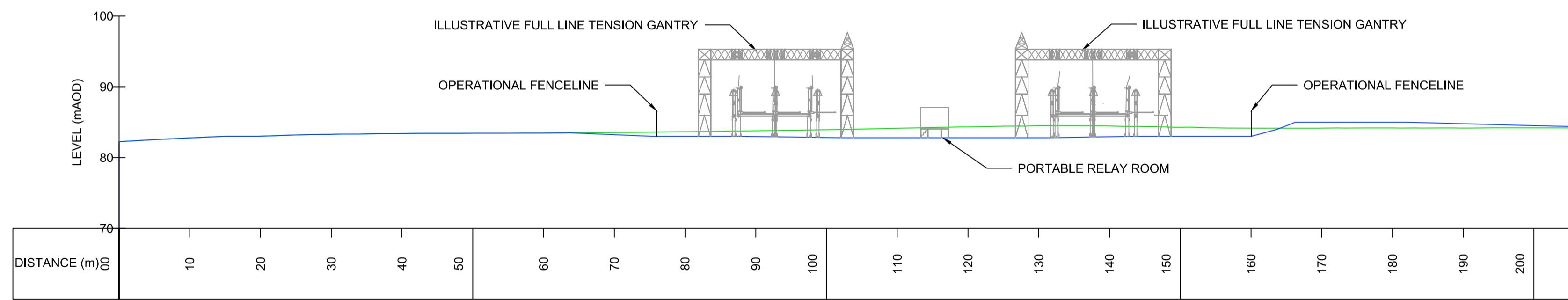


ATTENUATION POND
 POND ACCESS TRACK
 OIL SEPARATOR
 DISTRIBUTION NETWORK OPERATOR'S COMPOUND
 CABLE SEALING END
 TO OUTFALL
 PERMANENT ACCESS ROAD
 GATE VALVE
 TUNNEL SHAFT
 TUNNEL HEAD HOUSE
 WASTE WATER STORAGE TANK
 FIREFIGHTING WATER TANK
 SALINE WATER PIPE IF REQUIRED
 SALINE TREATMENT AREA IF REQUIRED
 ILLUSTRATIVE OVERHEAD LINE

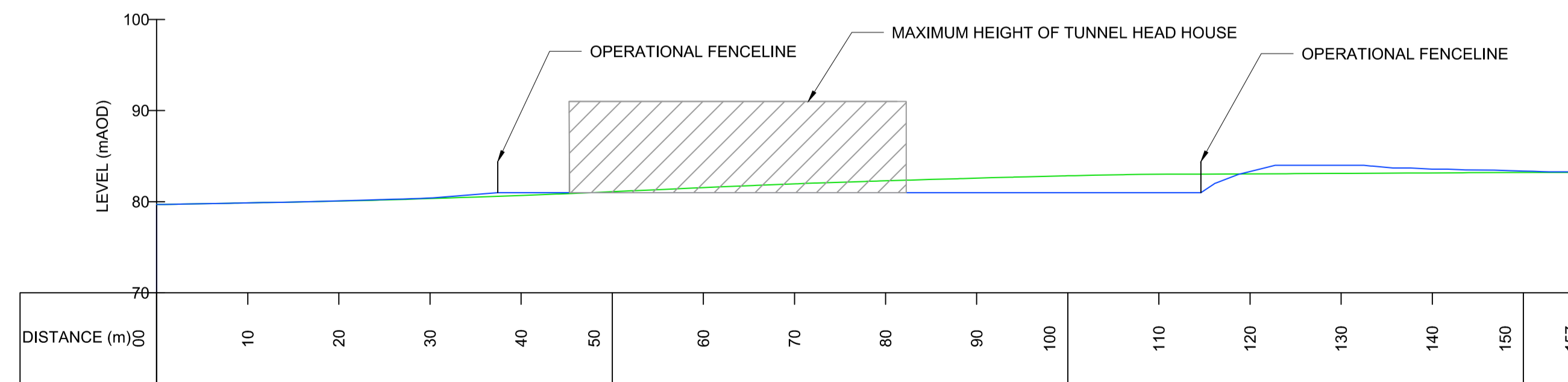
- EXISTING GROUND LEVEL
- PROPOSED FINISHED SURFACE LEVEL



SECTION A-A

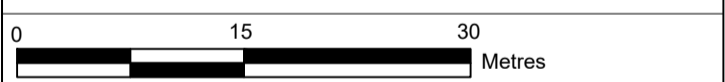


SECTION B-B



SECTION C-C

- Notes / Nodiadau
- This drawing is scaled at paper size A1, therefore any prints taken at smaller sizes will affect accuracy of the measurement units and should not be scaled against.
 - Tunnel head house is shown as maximum dimensions set out in the Parameter Plan see DCO_DE/PS/09_05 Sheet 5 of 8.
 - See DCO_DE/PS/01_07 Sheet 7 of 10 for structure details.
 - See DCO_DE/PS/09_06 Sheet 6 of 8 for arrangement layout and cross section locations.



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|---------------------------|--------------------|-----------------------|--------------------|-----------------------|
| A | FOR DCO SUBMISSION | KJ | SR | RP |
| Issue / Cyhoeddiad | Date / Dyddiad | Remarks / Sylwadau | Drawn / Tynnydd | Checked / Gwirwydd |
| Approved / Cymeradwydd | | | | |

Title / Teitl

THE NATIONAL GRID
 (NORTH WALES CONNECTION PROJECT) ORDER
 DESIGN PLAN: INDICATIVE FINISHED SURFACE LEVELS FOR
 Tŷ FODOL TUNNEL HEAD HOUSE
 AND CABLE SEALING END LOCATION
 REGULATION 5(2)(a)
 SHEET 7 OF 8
 GWYNEDD COUNCIL

GORCHYMYN NATIONAL GRID
 (PROSIECT CYSYLLTIAD GOGLEDD CYMRU)
 CYNLLUN DYLUNIO: LEFELAU ARWYNEB DANGOSOL TERFYNOL
 AR GYFER PRIF Dŷ TWNNEL Tŷ FODOL A'R LLEOLIAD LLE CAIFF
 PENNAU CEBLAU EU SELIO
 RHEOLIAD 5(2)(a)
 DALEN 7 O 8
 CYNGOR GWYNEDD

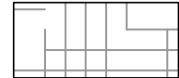










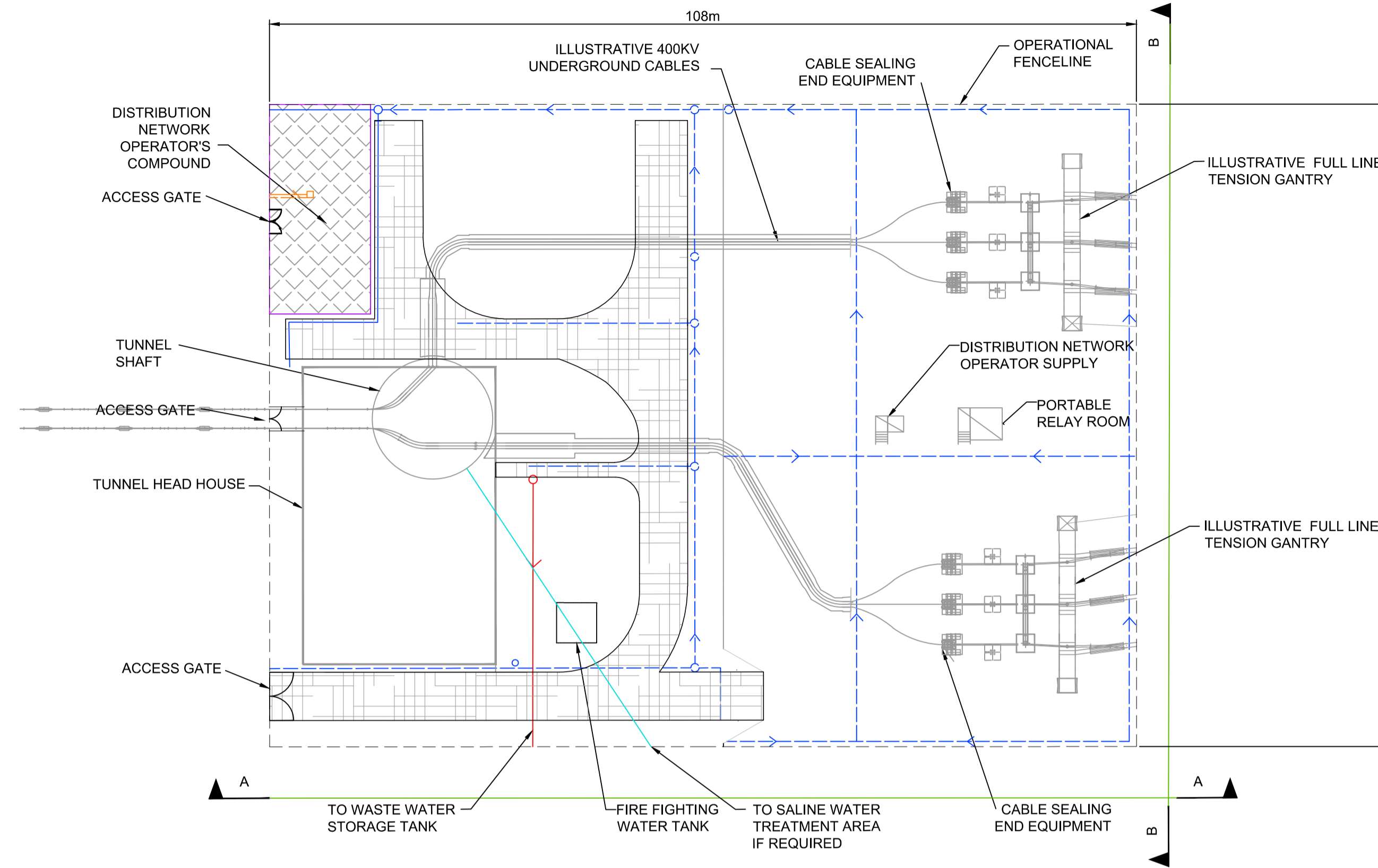
Application Number / Rhif y Cais: EN020015

National Grid Drawing Reference / Cyfeirnod Lluniad National Grid: DCO_DE/PS/09_07

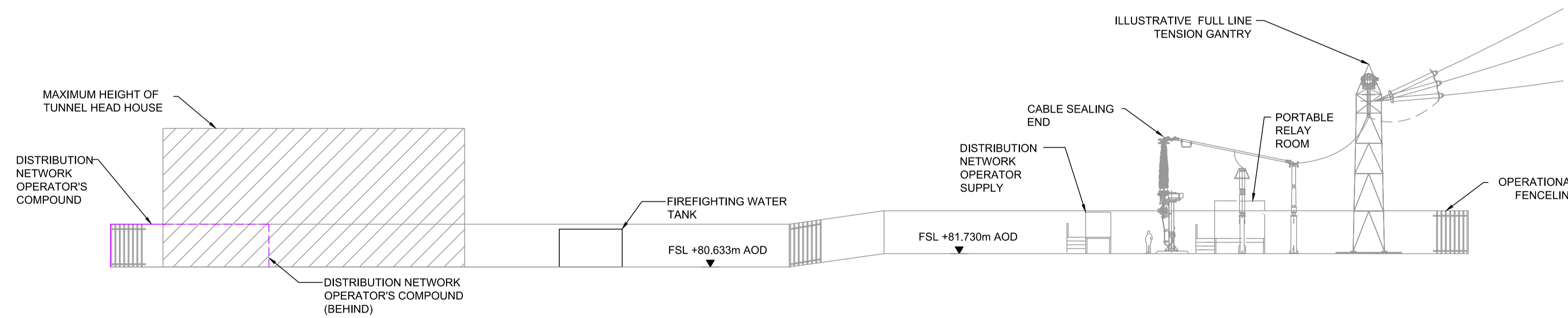
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| Scale / Graddfa: 1:500 | Sheet Size / Mensi y Ddalen: A1 | Sheet / Dalen: SHEET 7 OF 8 | Issue / Cyhoeddiad: A |
|------------------------|------------------------------------|-----------------------------|-----------------------|

Legend / Allwedd

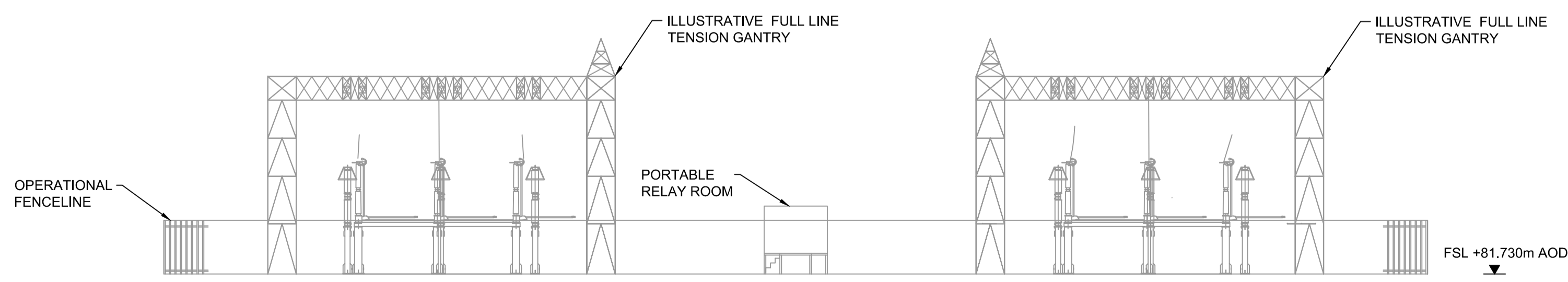
-  PERMANENT ACCESS ROAD
-  DISTRIBUTION NETWORK OPERATOR'S COMPOUND
-  CROSS SECTION ALIGNMENTS
-  SURFACE WATER FILTER DRAIN
-  SURFACE WATER PIPE
-  WASTE WATER PIPE
-  OILY WATER PIPE
-  SALINE WATER PIPE
-  OPERATIONAL FENCELINE
- FSL FINISHED SURFACE LEVEL
- AOD ABOVE ORDNANCE DATUM



PLAN
 SCALE: 1:500

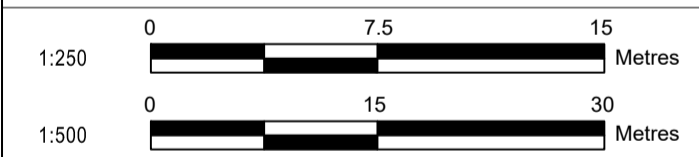


ELEVATION A-A
 SCALE: 1:250



ELEVATION B-B
 SCALE: 1:250

- Notes / Nodiadau
- This drawing is scaled at paper size A1, therefore any prints taken at smaller sizes will affect accuracy of the measurement units and should not be scaled against.
 - Compound surface properties subject to detailed design.



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|-----------------------|--------------------|------------------------|--------------------|--------------------------------------|
| A | FOR DCO SUBMISSION | KJ | SR | RP |
| Issue / Cyhoeddiad | Date / Dyddiad | Remarks / Sylweddau | Drawn / Tynnydd | Checked / Gwirio / Cymeradwydd |

Title / Teitl
 THE NATIONAL GRID
 (NORTH WALES CONNECTION PROJECT) ORDER
 DESIGN PLAN: INDICATIVE FINAL ARRANGEMENT FOR
 Tŷ FODOL TUNNEL HEAD HOUSE AND
 CABLE SEALING END COMPOUND
 REGULATION 5(2)(o)
 SHEET 8 OF 8
 GWYNEDD COUNCIL
 GORCHYMYN NATIONAL GRID
 (PROSIECT CYSYLLTIAD GOGLEDD CYMRU)
 CYNLLUN DYLLUNIO: TREFNIANT DANGOSOL
 TERFYNOL AR GYFER PRIF Dŷ TWNNEL
 Tŷ FODOL A'R COMPOWND LLE CAIFF PENNAU
 CEBLAU EU SELIO
 RHEOLIAD 5(2)(o)
 DALEN 8 O 8
 CYNGOR GWYNEDD



Application Number / Rhif y Cais
 EN020015
 National Grid Drawing Reference / Cyfeirnod Lluniad National Grid
 DCO_DE/PS/09_08

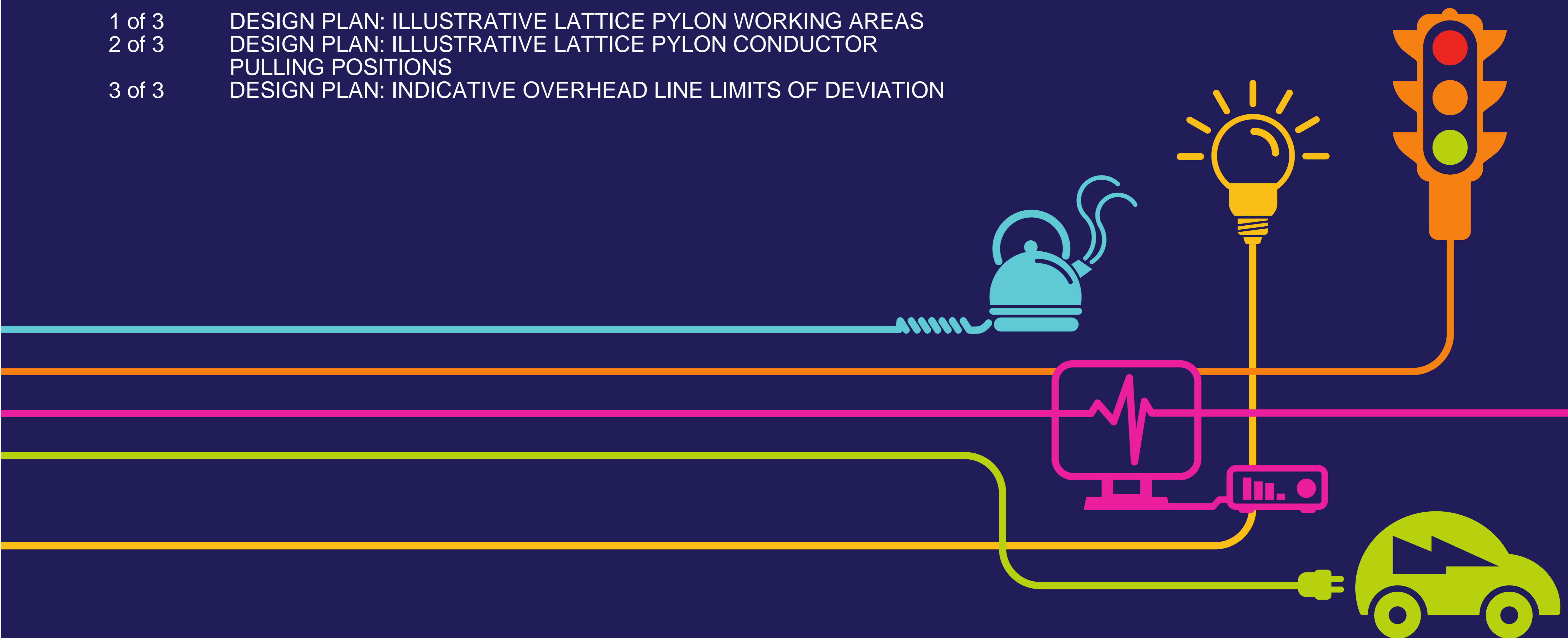
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| Scale / Graddfa | Sheet Size / Mensi y Ddalen | Sheet / Dalen | Issue / Cyhoeddiad |
| AS SHOWN | A1 | SHEET 8 OF 8 | A |

Design Drawings – Illustrative Lattice Pylons Working Areas, Pulling Positions & Indicative OHL Limits of Deviation

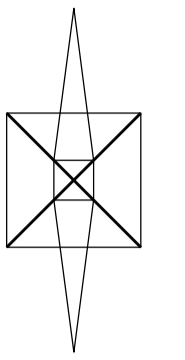
National Grid (North Wales Connection Project)

Drawing References DCO_DE/PS/10_01 to DCO_DE/PS/10_03

| Sheet | Plan Title |
|--------|--|
| 1 of 3 | DESIGN PLAN: ILLUSTRATIVE LATTICE PYLON WORKING AREAS |
| 2 of 3 | DESIGN PLAN: ILLUSTRATIVE LATTICE PYLON CONDUCTOR PULLING POSITIONS |
| 3 of 3 | DESIGN PLAN: INDICATIVE OVERHEAD LINE LIMITS OF DEVIATION |



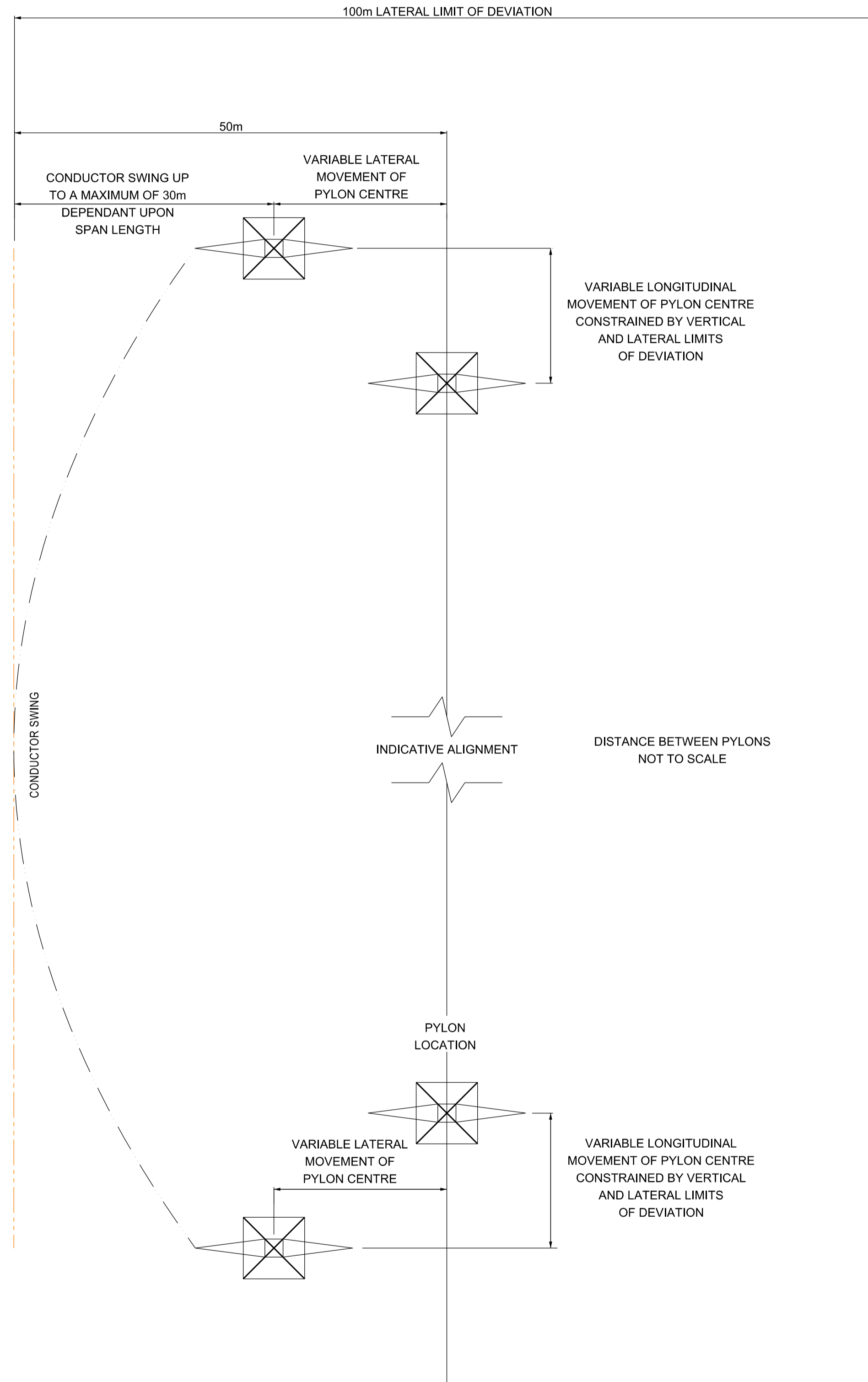
Legend / Allwedd



PYLON



POSITION OF OUTER OHL CONDUCTOR IN CONDITIONS OF MAXIMUM SWING



Notes / Nodiadau

1. THIS DRAWING SHOWS THE LIMITS OF DEVIATION OF PYLONS FROM THEIR INDICATIVE LOCATIONS. PYLONS MAY BE MOVED SUBJECT TO THESE LIMITS WHERE LOCAL CONSTRAINTS ARE IDENTIFIED PRIOR TO OR DURING CONSTRUCTION.

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| A | | FOR DCO SUBMISSION | JY | MF | RP |
| Drawn / Cychoddol | Date / Dyddiad | Remarks / Sylweddau | Drawn / Tynnwyd | Checked / Gwirwyd | Approved / Cymroddwyd |

Title / Teitl
 THE NATIONAL GRID
 (NORTH WALES CONNECTION PROJECT) ORDER
 DESIGN PLAN: INDICATIVE
 OVERHEAD LINE LIMITS OF DEVIATION
 REGULATION 5(2)(o)
 SHEET 3 OF 3
 GORCHYMYN NATIONAL GRID
 (PROSIECT CYSYLLTIAD GOGLEDD CYMRU)
 CYNLLUN DYLUNIO: TERFYNAU GWYRO
 DANGOSOL AR GYFER LLINELLAU UWCHBEN
 RHEOLIAD 5(2)(o)
 DALEN 3 O 3

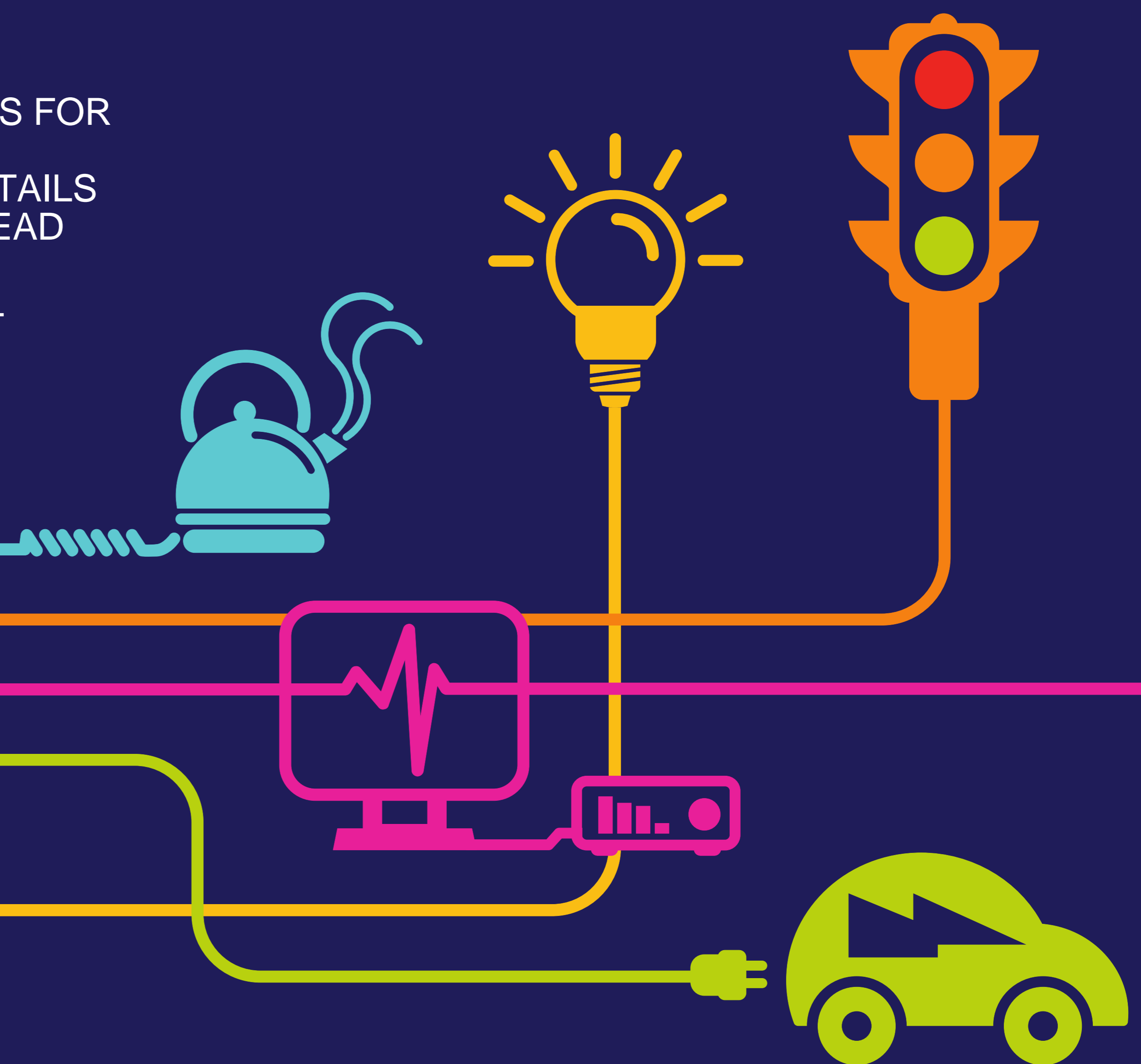
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| nationalgrid | | | |
| Application Number / Rhif y Cais EN020015 | | | |
| National Grid Drawing Reference / Cylfeirnod Lluniad National Grid DCO_DE/PS/10_03 | | | |
| Scale / Graddfa 1:100 | Sheet Size / Mensi / Sizen A1 | Sheet / Dalen SHEET 3 OF 3 | Issue / Cyhoeddiad A |

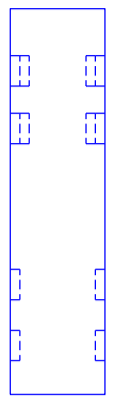
Design Drawings – Illustrative Bellmouth, Access Road, Access Track, Culvert & Bridge Details

National Grid (North Wales Connection Project)

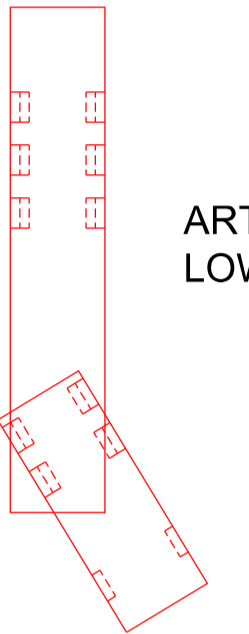
Drawing References DCO_DE/PS/11_01 to DCO_DE/PS/11_06

| Sheet | Plan Title |
|--------|--|
| 1 of 6 | DESIGN PLAN: ILLUSTRATIVE BELLMOUTH LAYOUT |
| 2 of 6 | DESIGN PLAN: ILLUSTRATIVE STONE ACCESS ROAD |
| 3 of 6 | DESIGN PLAN: ILLUSTRATIVE INTERLOCKING PANEL ACCESS FOR OVERHEAD LINE CONSTRUCTION |
| 4 of 6 | DESIGN PLAN: ILLUSTRATIVE CULVERT CONSTRUCTION DETAILS |
| 5 of 6 | DESIGN PLAN: ILLUSTRATIVE BRIDGE DETAILS FOR OVERHEAD LINE CONSTRUCTION |
| 6 of 6 | DESIGN PLAN: ILLUSTRATIVE BRIDGE DETAILS FOR TUNNEL CONSTRUCTION |

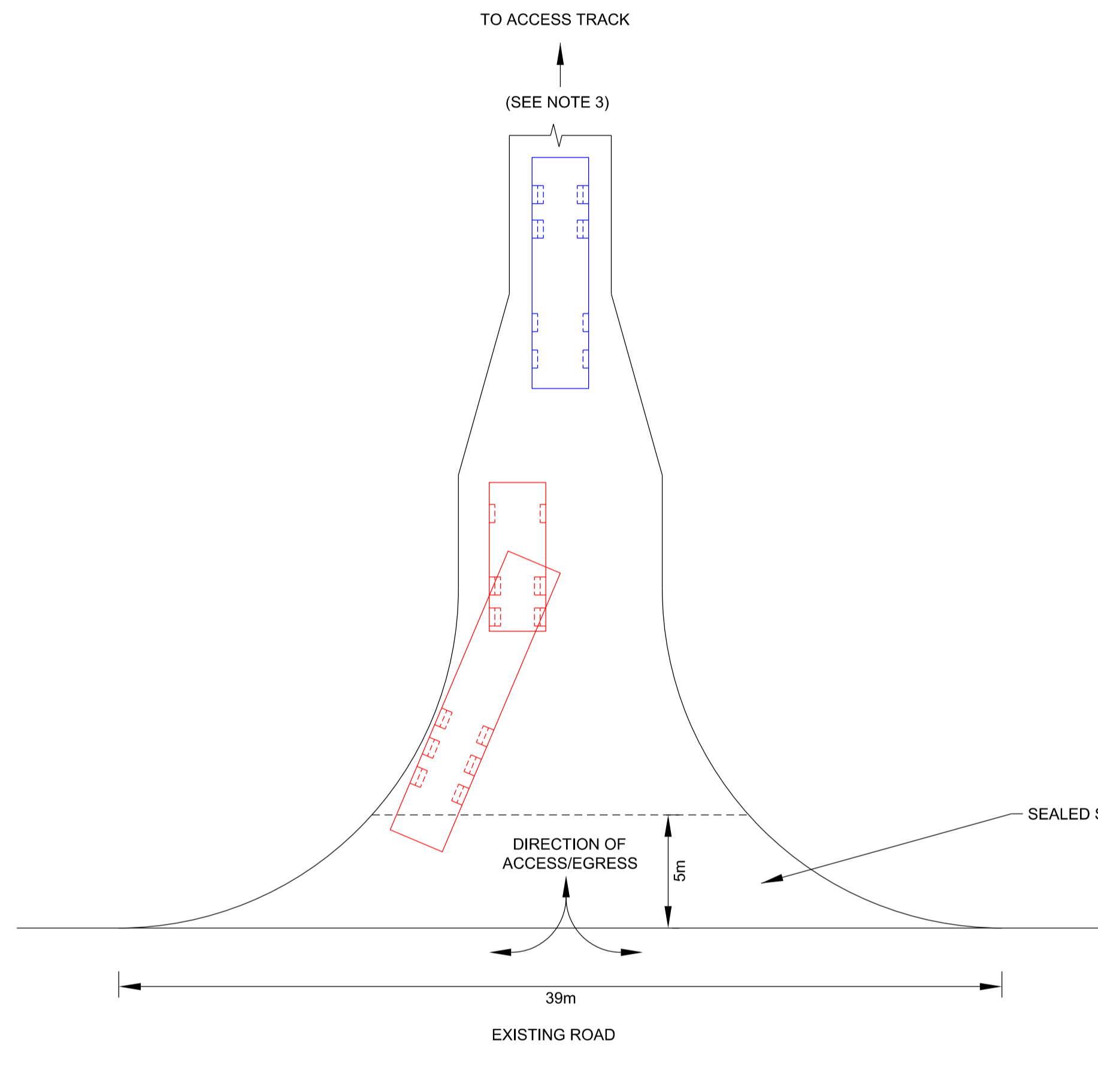




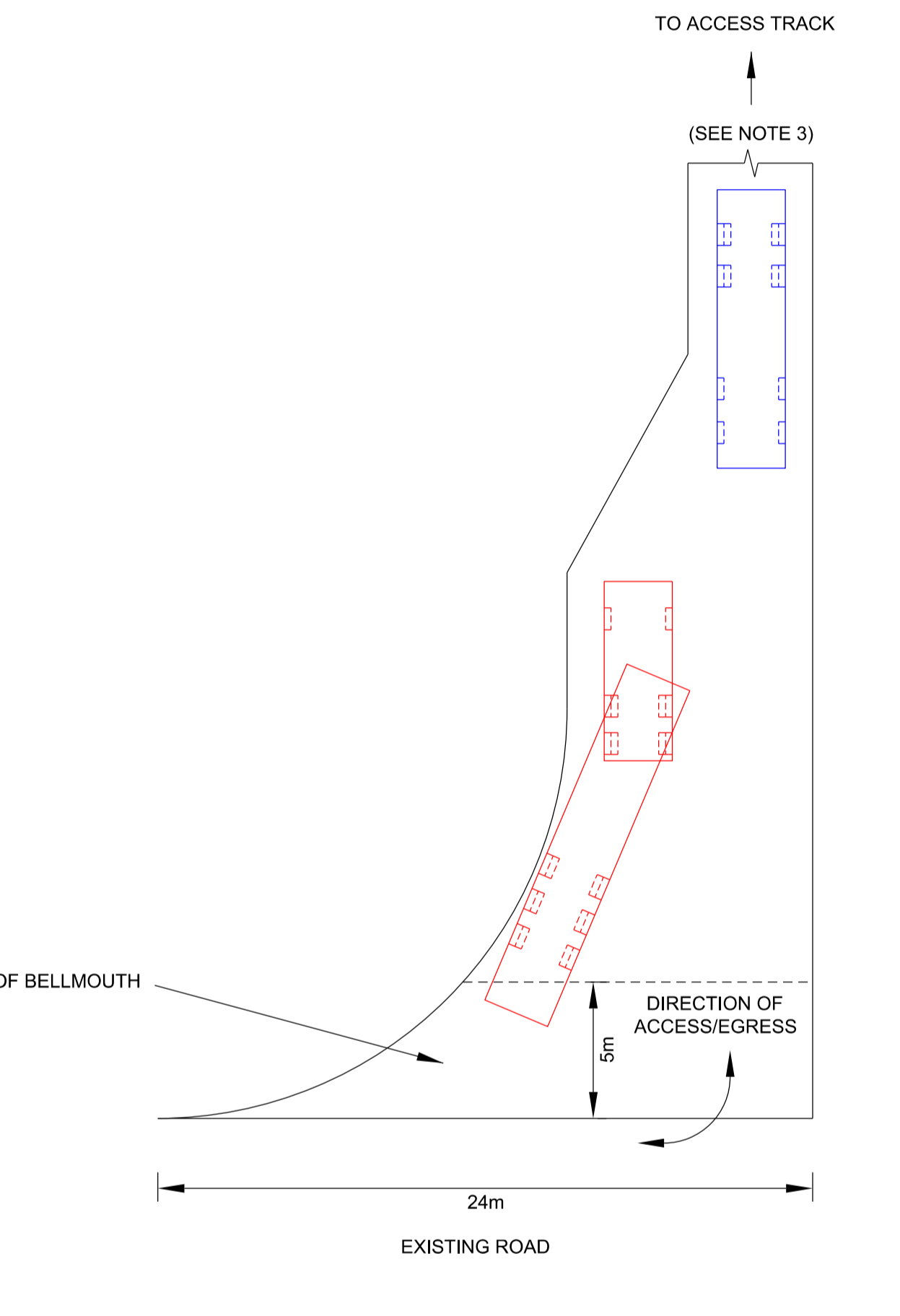
TIPPER TRUCK



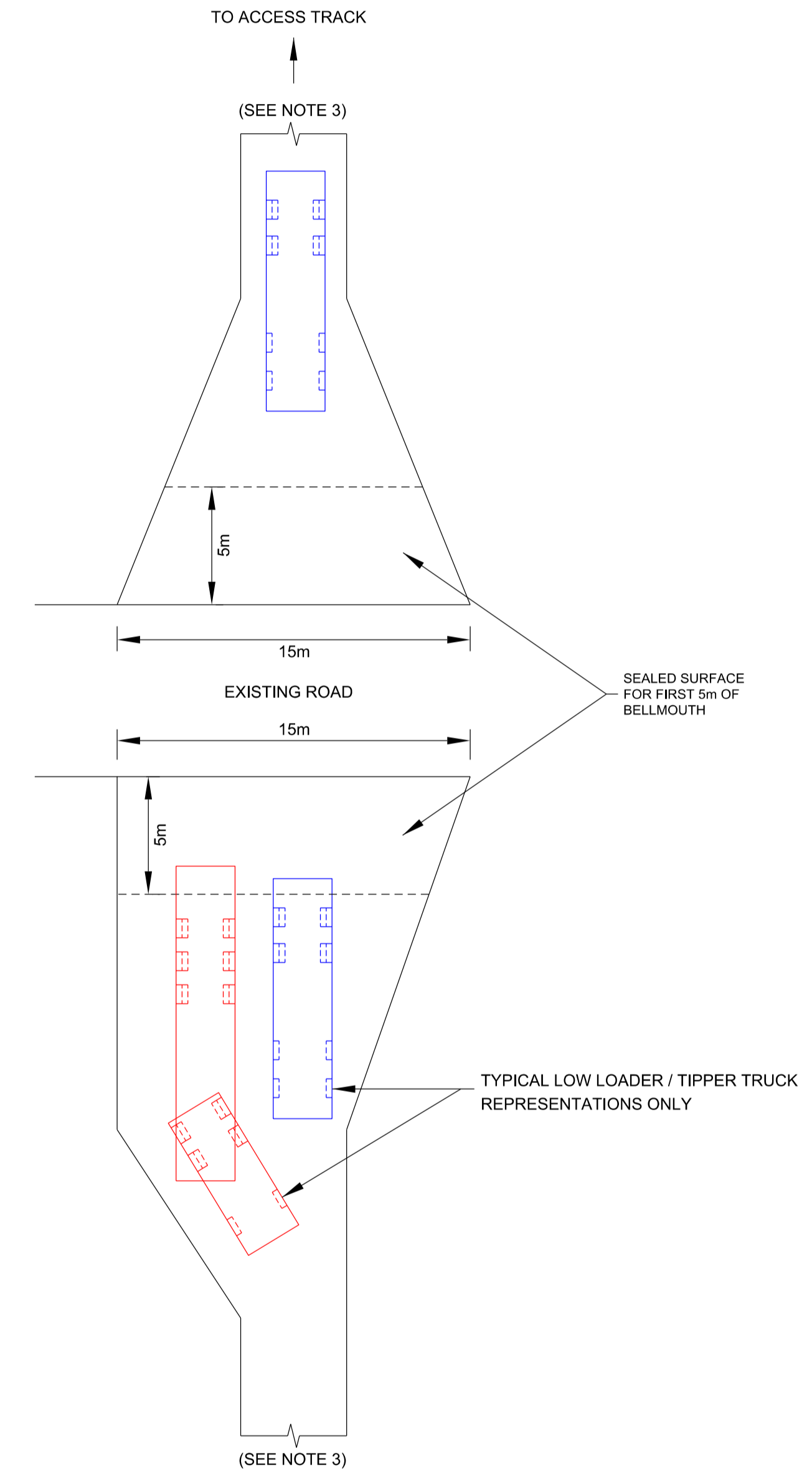
ARTICULATED LOW LOADER



BELLMOUTH TYPE 1 - BI-DIRECTIONAL



BELLMOUTH TYPE 2 - UNI-DIRECTIONAL



BELLMOUTH TYPE 3 - CROSSOVER

Notes / Nodiadau

- BELLMOUTH DESIGN HAS BEEN BASED ON TD41/95 LAYOUT 6 - RURAL ACCESS, OF THE DESIGN MANUAL FOR ROADS & BRIDGES (DMRB).
- BELLMOUTH SIZES HAVE BEEN DESIGNED AS SUCH TO ALLOW CONSTRUCTION VEHICLES TO PARK WITHIN THE BELLMOUTH, MINIMISING THE IMPACT ON PUBLIC TRAFFIC.
- BELLMOUTH AND ACCESS TRACK ARE TYPICAL. SITE SPECIFIC DESIGNS WILL BE REQUIRED.
- THIS DRAWING SHOWS TYPICAL BELLMOUTH CONSTRUCTION, WHICH WILL BE LOCATED AT THE INTERSECTION OF ACCESS TRACK AND PUBLIC HIGHWAY.
- AREA FOR FENCING AND DRAINAGE DETAILS TO BE ADDED SUBJECT TO SITE SPECIFIC DESIGN TO PREVENT WATER DRAINING ON TO PUBLIC HIGHWAY.

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| A | | FOR DCO SUBMISSION | JY | MF | RP |
| Drawn / Dyddiad | Date / Dyddiad | Remarks / Sylweddau | Drawn / Tynnydd | Checked / Gwirio | Approved / Cymeradwydd |

Title / Teitl
 THE NATIONAL GRID
 (NORTH WALES CONNECTION PROJECT) ORDER
 DESIGN PLAN: ILLUSTRATIVE
 BELLMOUTH LAYOUT
 REGULATION 5(2)(o)
 SHEET 1 OF 6

GORCHYMYN NATIONAL GRID
 (PROSIECT CYSYLLTIAD GOGLEDD CYMRU)
 CYNLLUN DYLLUNIO: DARLUN O
 GYNLLUN BELLMOUTH
 RHEOLIAD 5(2)(o)
 DALEN 1 O 6



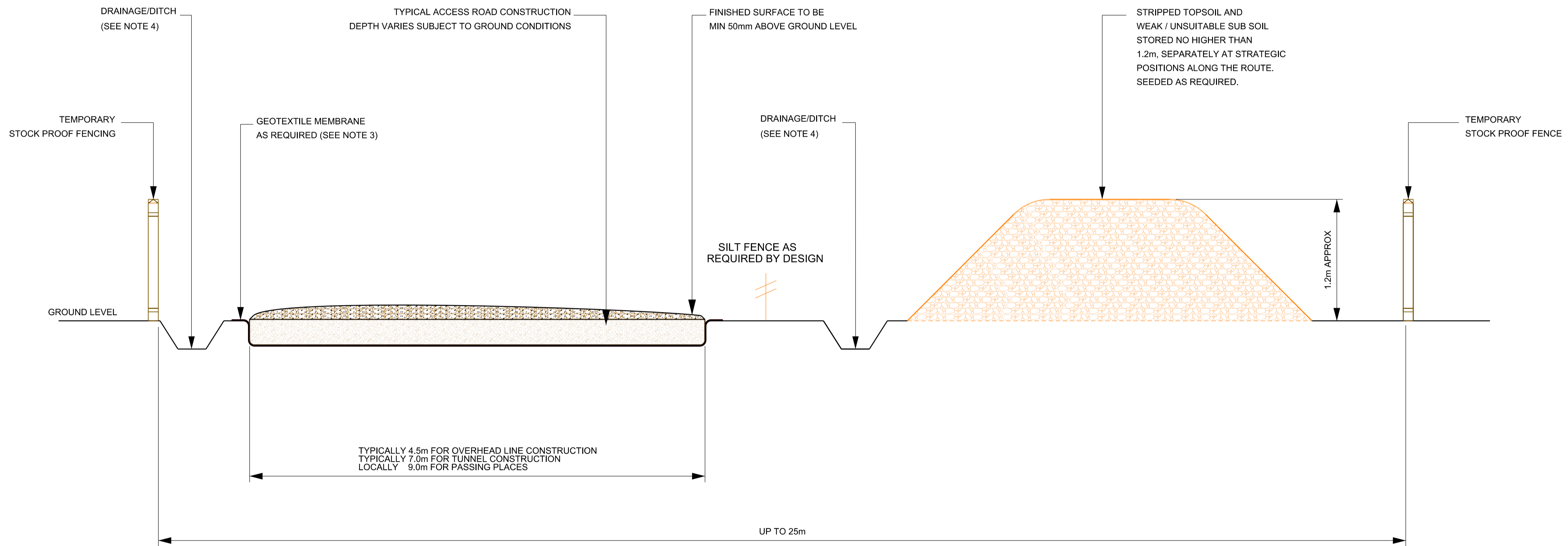
Application Number / Rhif y Cais
 EN020015

National Grid Drawing Reference / Cyfeirnod Lluniad National Grid
 DCO_DE/PS/11_01

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| Scale / Graddfa 1:200 | Sheet Size / Mensi / Sizen A1 | Sheet / Dalen SHEET 1 OF 6 | Block / Cofrestrwyd A |
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Legend / Allwedd

| | |
|--|-------------------|
| | SOIL |
| | FINISHING SURFACE |
| | SUB BASE CAPPING |



Notes / Nodiadau

- CROSS DRAINS MAY BE REQUIRED WHERE ROADS BLOCK EXISTING SURFACE RUN OFF.
- THIS DRAWING SHOWS THE TYPICAL STONE ROAD CONSTRUCTION, WHICH WILL BE USED TO REACH CONSTRUCTION AREAS SUCH AS PYLON WORKING AREAS.
- GEOTEXTILE IS A VERY THIN WOVEN PERMEABLE SYNTHETIC SHEET WHICH STOPS AGGREGATES MIGRATING INTO THE EXISTING GROUND.
- DAMS CONSTRUCTED FROM GRAVEL, STRAW BALES AND / OR SILT NETTING MAY BE PROVIDED IN THE DITCHES TO SLOW AND TREAT FLOWS.

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| A | Date / Dyddiad | FOR DCO SUBMISSION | JY | MF | RP |
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| Issue / Cyhoeddiad | | Remarks / Sylwadau | Drawn / Tynnydd | Checked / Gwirio | Approved / Cymharwydd |

Title / Teitl

THE NATIONAL GRID
 (NORTH WALES CONNECTION PROJECT) ORDER
 DESIGN PLAN: ILLUSTRATIVE
 STONE ACCESS ROAD
 REGULATION 5(2)(o)
 SHEET 2 OF 6

GORCHYMYN NATIONAL GRID
 (PROSIECT CYSYLLTIAD GOGLEDD CYMRU)
 CYNLLUN DYLUNIO: DARLUN O'R
 FFORDD FYNEDIAD GARREG
 RHEOLIAD 5(2)(o)
 DALEN 2 O 6

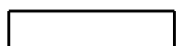

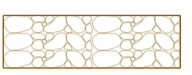


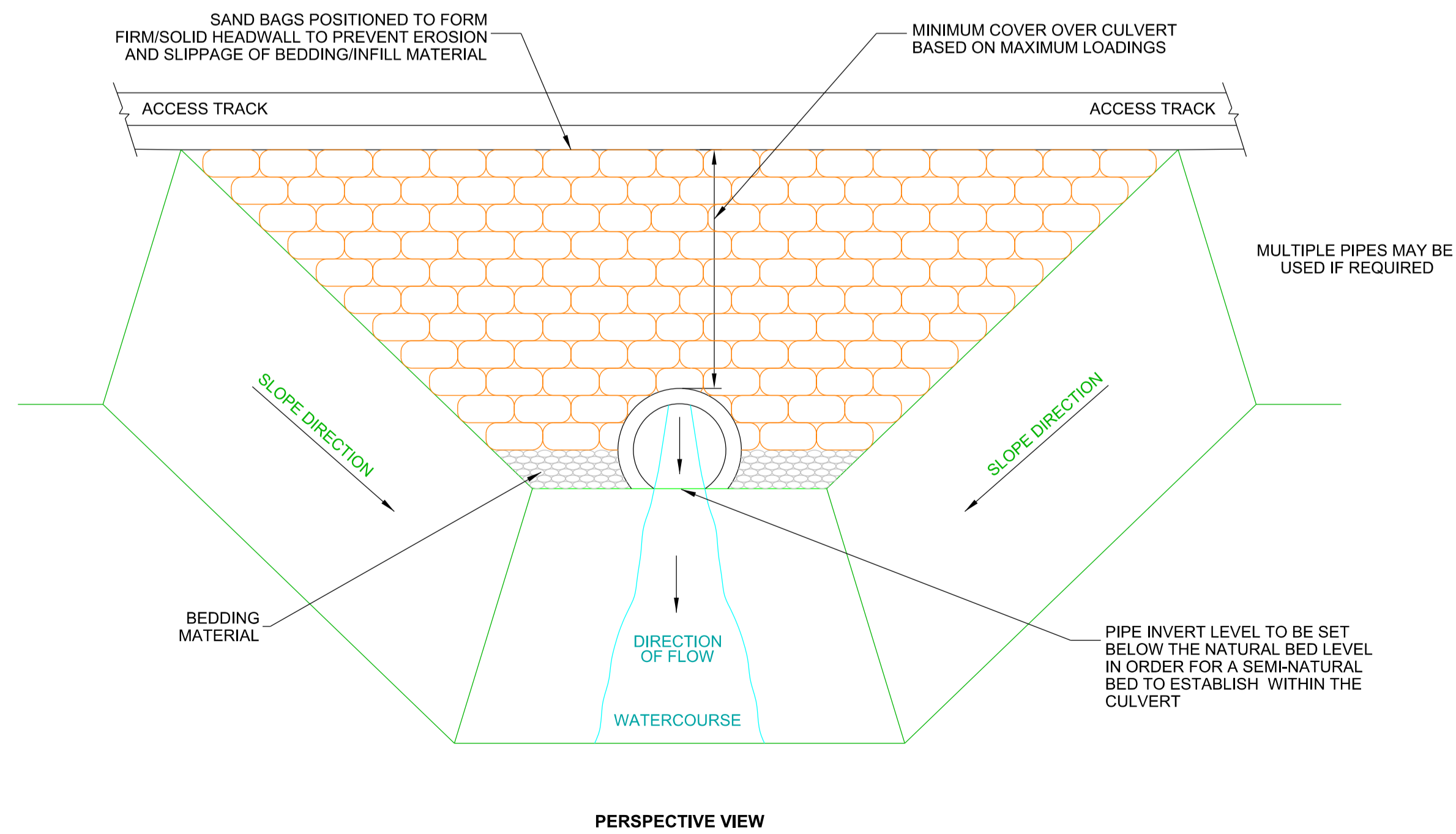
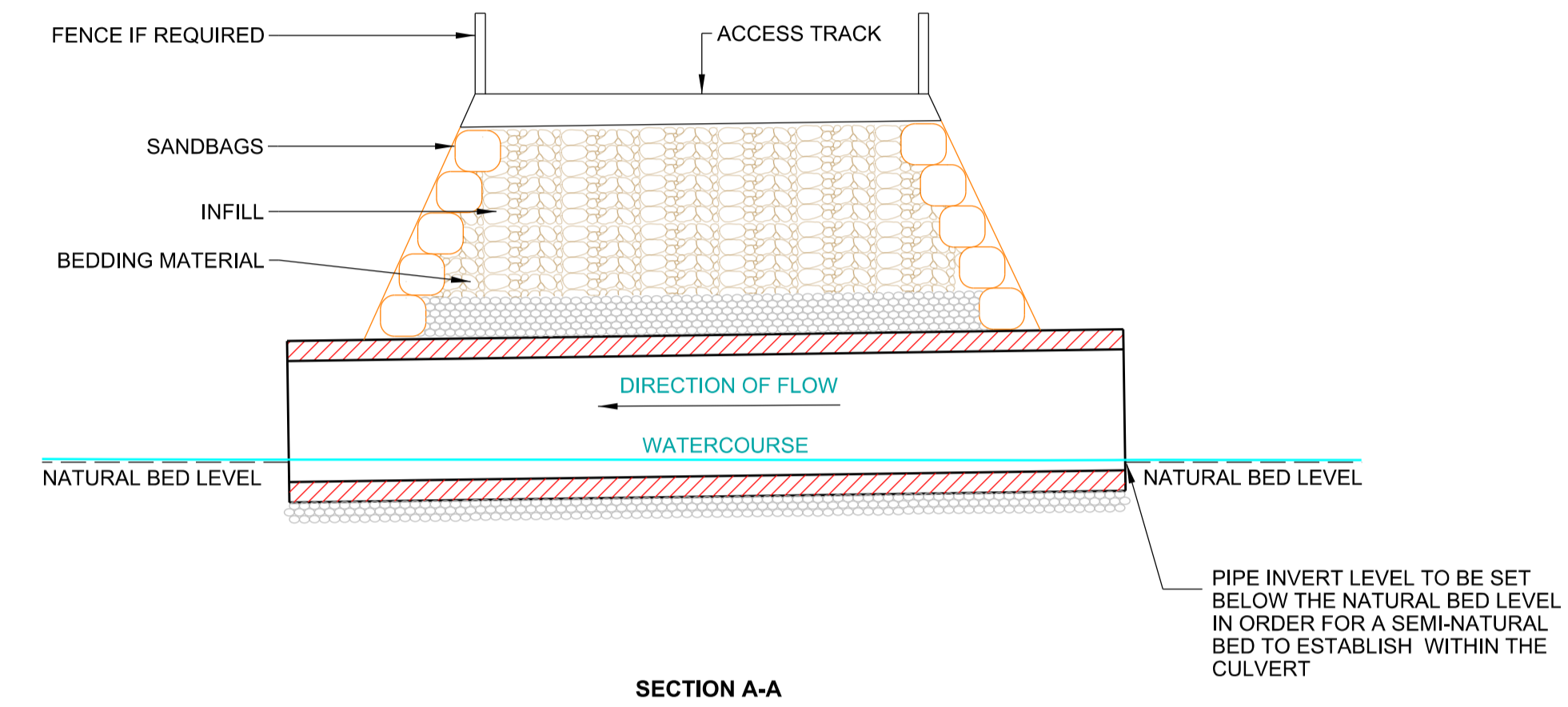
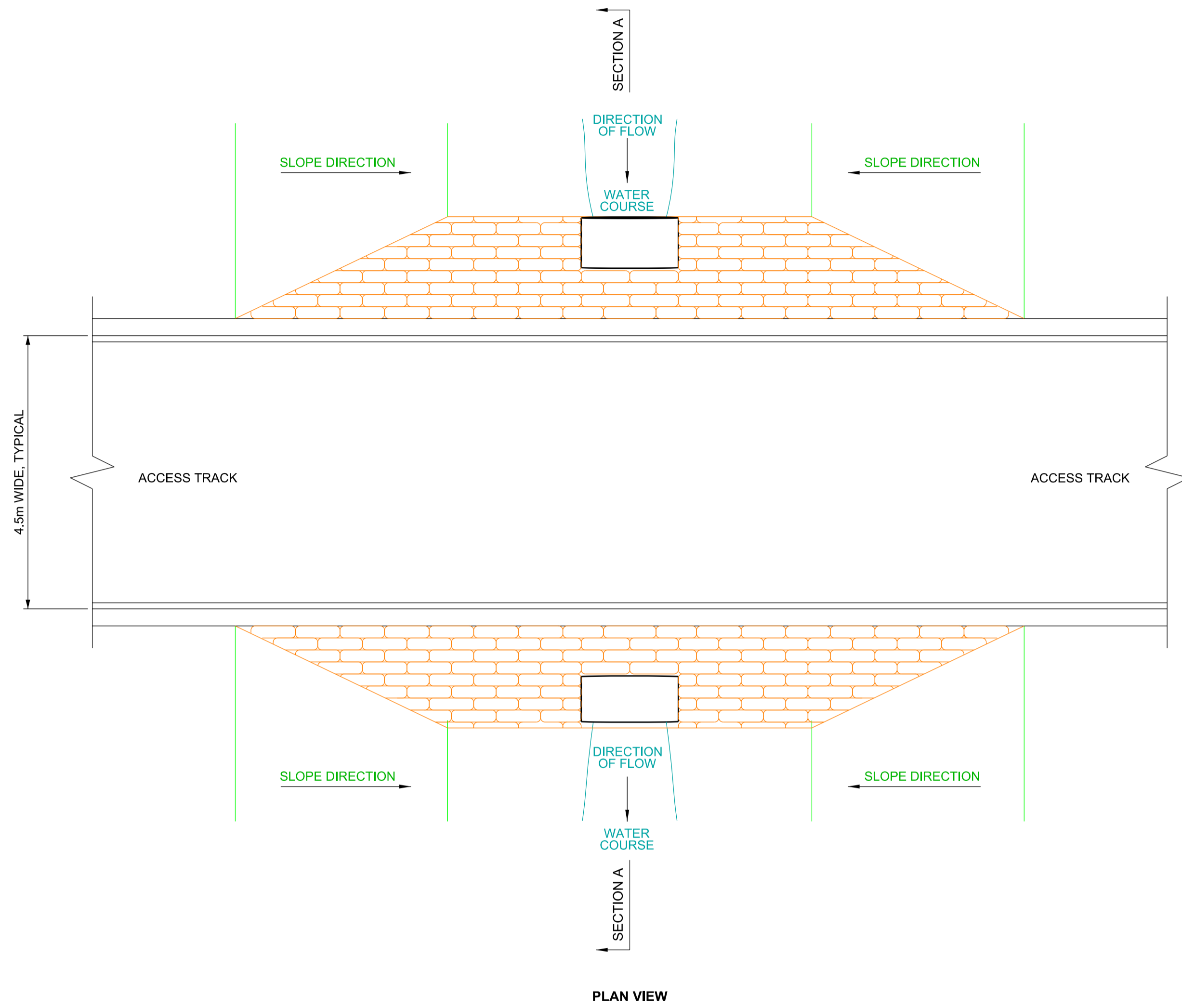
Application Number / Rhif y Cais
 EN020015

National Grid Drawing Reference / Cyfeirnod Lluniad National Grid
 DCO_DE/PS/11_02

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| Scale / Graddfa | Sheet Size / Mân y Sêd | Sheet / Dalen | Issue / Cyhoeddiad |
| 1:25 | A1 | SHEET 2 OF 6 | A |

Legend / Allwedd

-  ACCESS TRACK/ROAD
-  SANDBAG
-  INFILL



Notes / Nodiadau

1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.
2. FENCE OMITTED FOR CLARITY IN PLAN VIEW AND PERSPECTIVE VIEW.
3. SIZING OF CULVERT TO BE SITE SPECIFIC. IF CULVERT IS TEMPORARY, 1 IN 100 FLOOD EVENT WILL BE CONSIDERED. IF CULVERT IS PERMANENT, CLIMATE CHANGE WILL BE CONSIDERED.
4. BURYING THE CULVERT INVERT TO ALLOW A NATURAL BED TO FORM, WOULD NECESSITATE OVER-SIZING THE CULVERT.

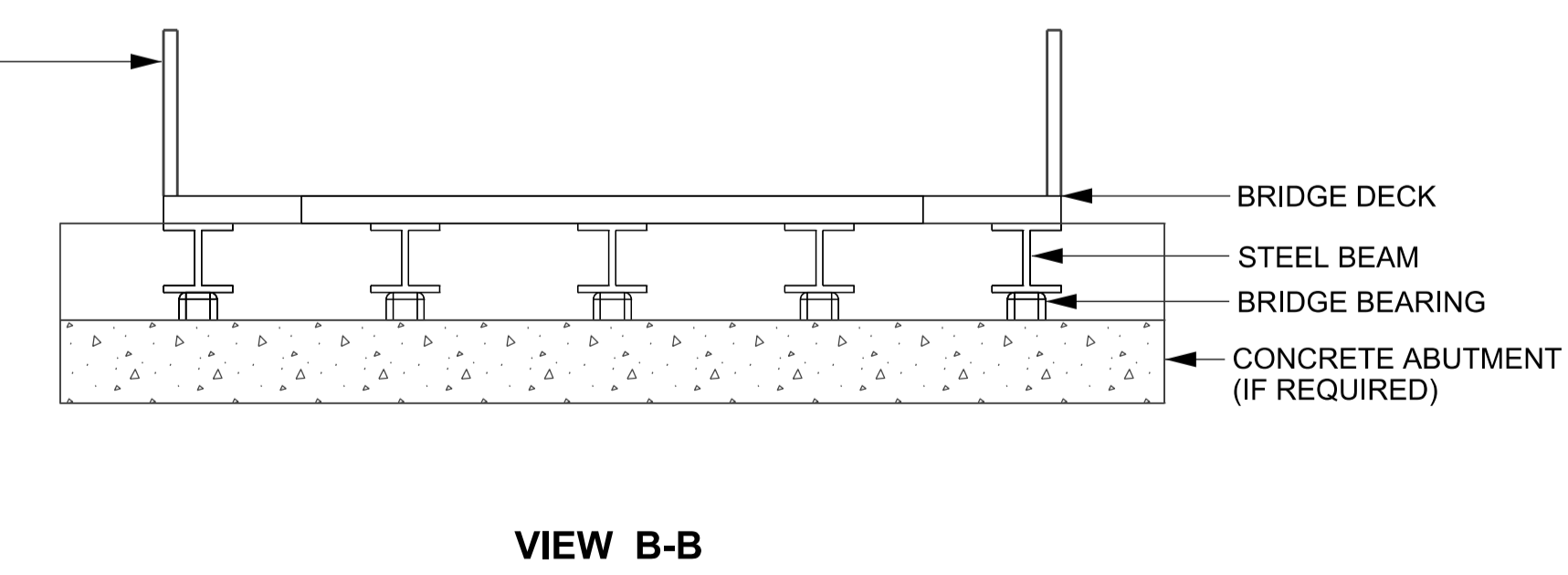
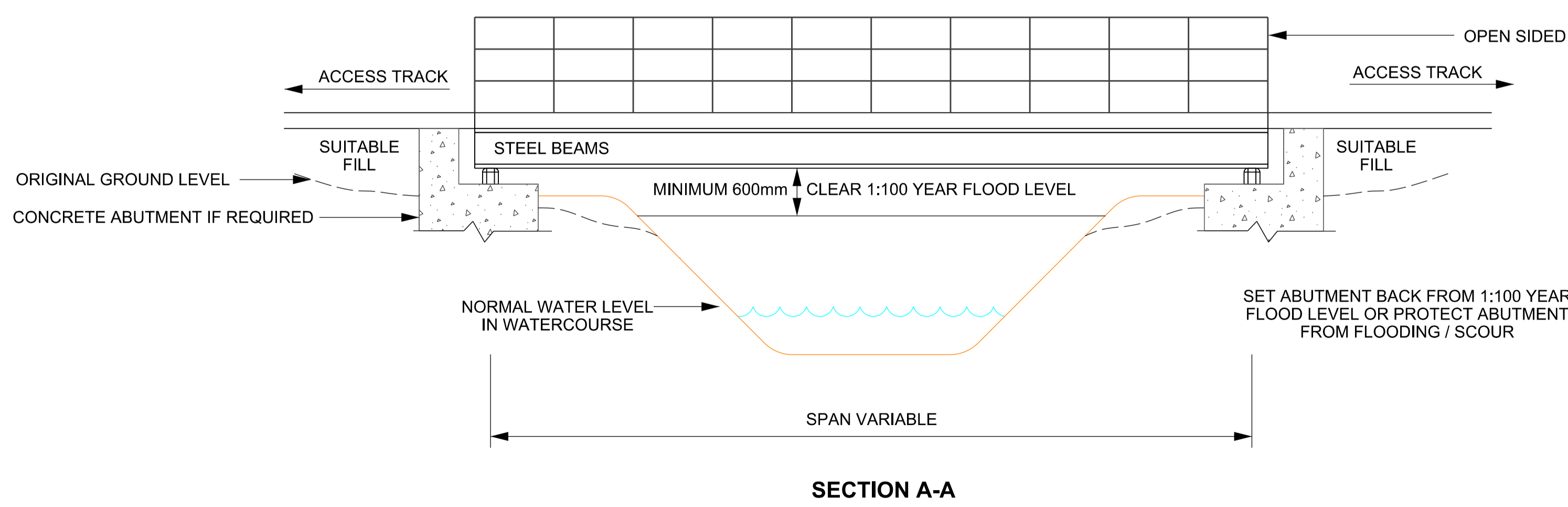
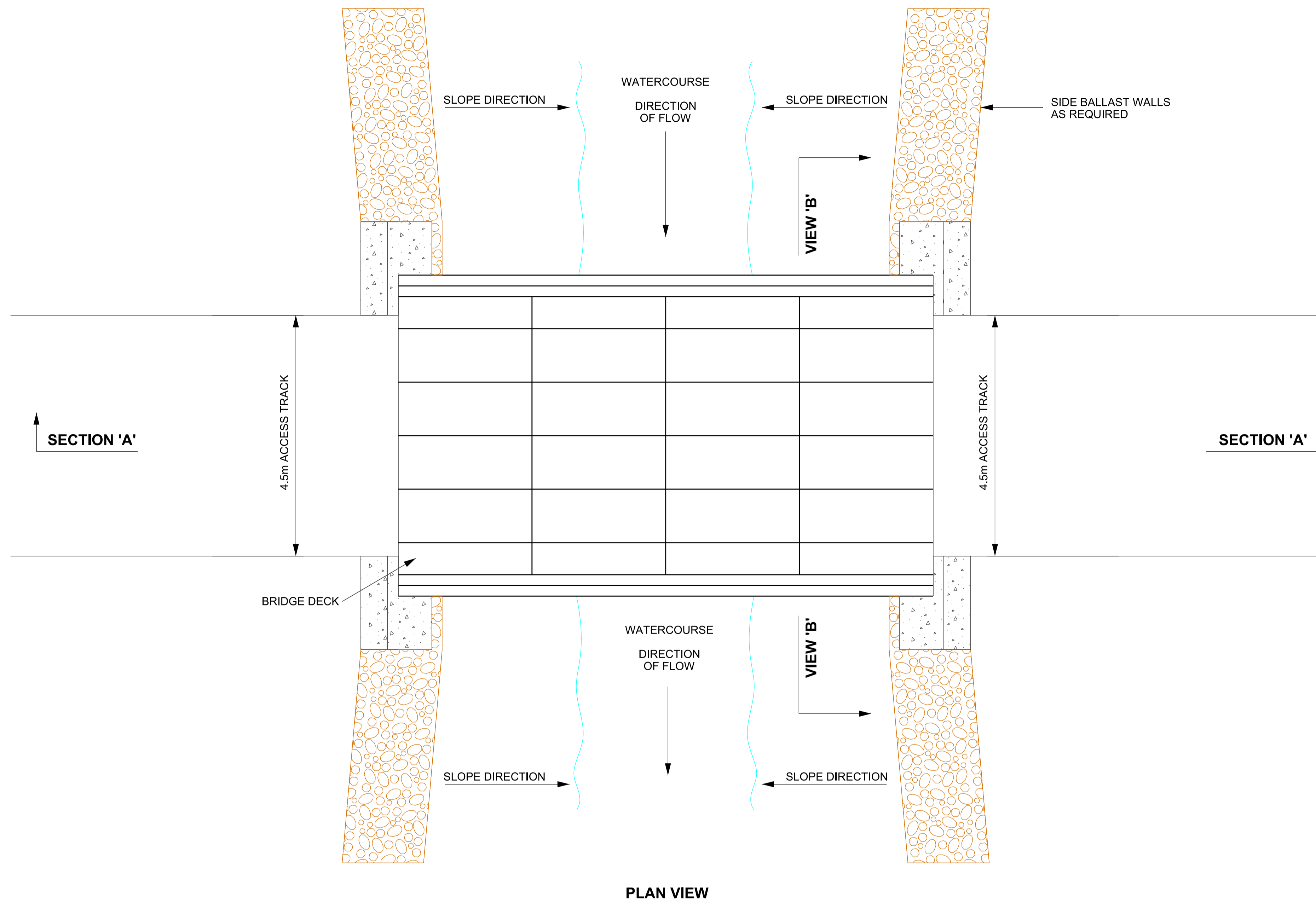
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| A | FOR DCO SUBMISSION | JY | MF | RP | | | | | |
| Issue / Cynodiad | Date / Dyddiad | Remarks / Sylweddau | Drawn / Tynnydd | Checked / Gwirio | Approved / Cytuno | | | | |

Title / Teitl

THE NATIONAL GRID
 (NORTH WALES CONNECTION PROJECT) ORDER
 DESIGN PLAN: ILLUSTRATIVE
 CULVERT CONSTRUCTION DETAILS
 REGULATION 5(2)(o)
 SHEET 4 OF 6

GORCHYMYN NATIONAL GRID
 (PROSIECT CYSYLLTIAD GOGLEDD CYMRU)
 CYNLLUN DYLUNIO: DARLUN O'R MANYLION
 AR GYFER ADEILADU'R GEUFFOS
 RHEOLIAD 5(2)(o)
 DALEN 4 O 6

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| nationalgrid | | | |
| Application Number / Rhif y Cais: EN020015 | | | |
| National Grid Drawing Reference / Cylfrimod Llundad National Grid: DCO_DE/PS/11_04 | | | |
| Scale / Graddfa: 1:60 | Sheet Size / Mensi / Ffôn: A1 | Sheet / Dalen: SHEET 4 OF 6 | Issue / Cynodiad: A |





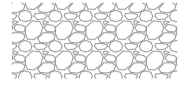
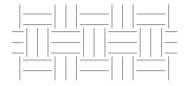
Notes / Nodiadau

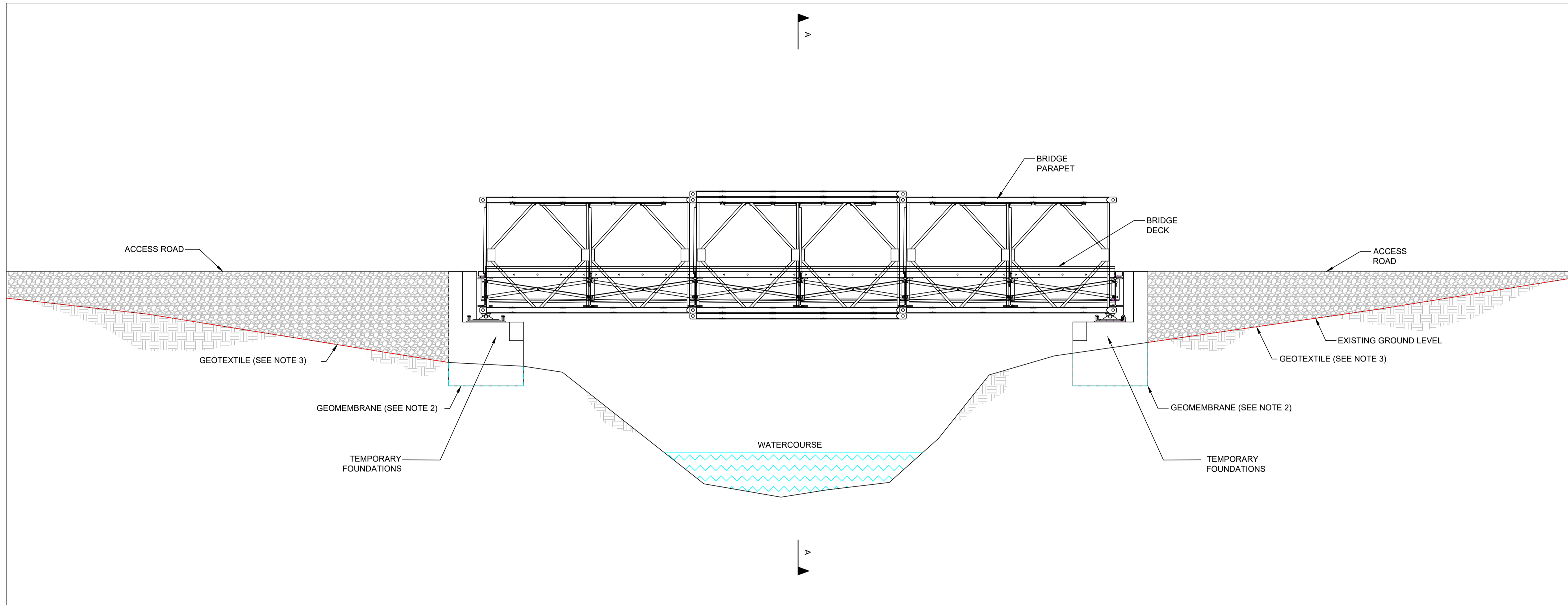
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|--------------------|----------------|--------------------|----|----|----|
| | | | | | |

Title / Teitl
 THE NATIONAL GRID (NORTH WALES CONNECTION PROJECT) ORDER
 DESIGN PLAN: ILLUSTRATIVE BRIDGE DETAILS FOR OVERHEAD LINE CONSTRUCTION
 REGULATION 5(2)(o)
 SHEET 5 OF 6
 GORCHYMYN NATIONAL GRID (PROSIECT CYSYLLTIAD GOGLEDD CYMRU)
 CYNLLUN DYLUNIO: DARLUN O FANYLION Y BONT AR GYFER ADEILADU'R LLINELLAU UWCHBEN
 RHEOLIAD 5(2)(o)
 DALEN 5 O 6

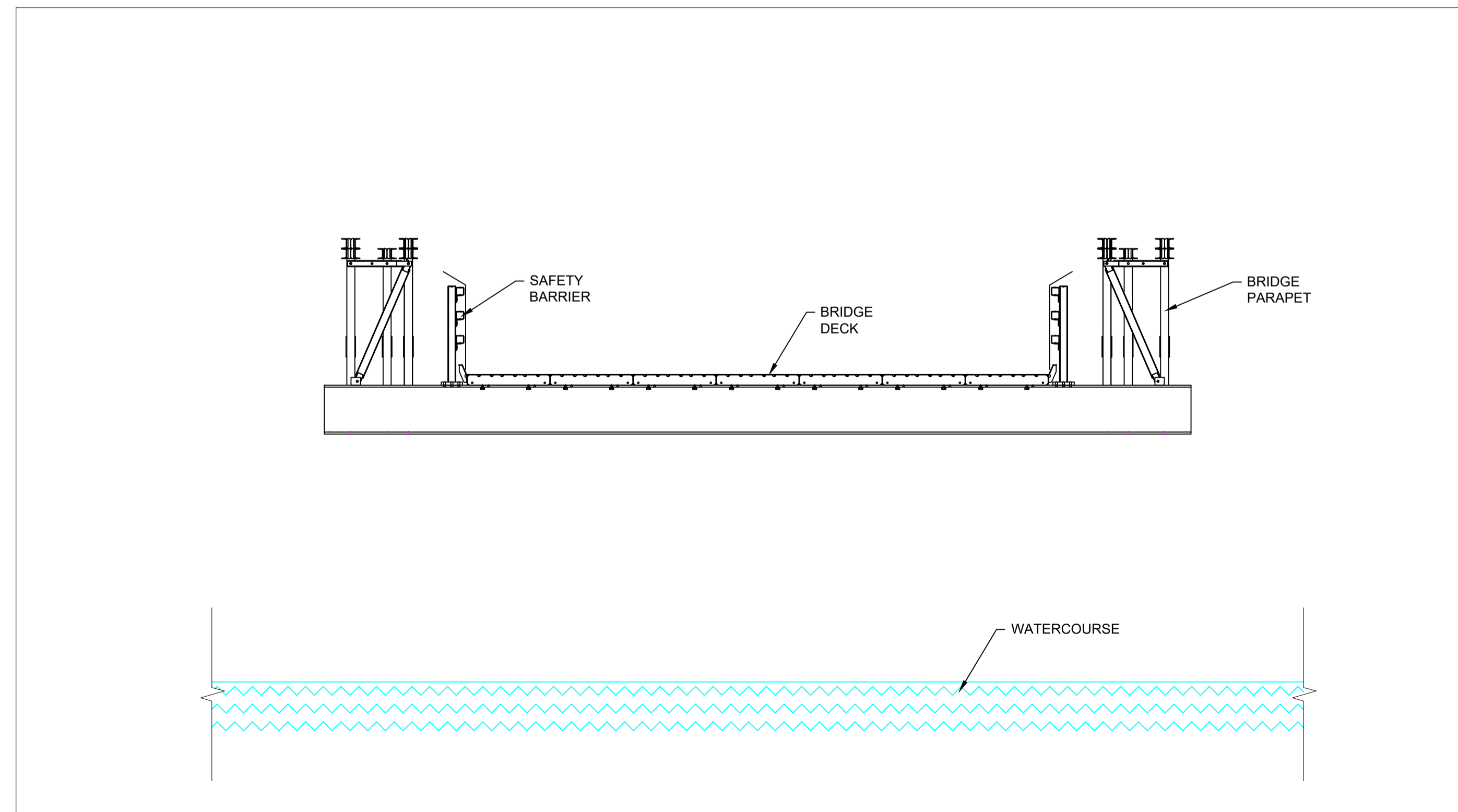
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| nationalgrid | | | | |
| Application Number / Rhif y Cais EN020015 | | | | |
| National Grid Drawing Reference / Cyfeirnod Lluniad National Grid DCO_DE/PS/11_05 | | | | |
| Scale / Graddfa NTS | Sheet Size / Mân y Sgôr A1 | Sheet / Dalen SHEET 5 OF 6 | Issue / Cyhoeddiad A | |

Legend / Allwedd

-  GEOTEXTILE
-  GEOMEMBRANE
-  TEMPORARY GRANULAR MATERIAL
-  EXISTING GROUND



SIDE ELEVATION



SECTION A-A: TEMPORARY BRIDGE CROSS SECTION

Notes / Nodiadau

1. Do not scale any items of information from this drawing.
2. Geomembrane is a very thin impermeable sheet typically made from plastic to act as a barrier to stop liquids contaminating the groundwater.
3. Geotextile is a very thin woven permeable synthetic sheet which stops aggregates migrating into the existing ground.

| Issue / Cylwedd | Date / Dyddiad | Remarks / Sylweddau | Drawn / Tynnydd | Checked / Gwneidd | Approved / Cymeradwydd |
|--------------------|-------------------|------------------------|--------------------|----------------------|---------------------------|
| A | | FOR DCO SUBMISSION | KJ | SR | RP |

Title / Teitl

THE NATIONAL GRID
 (NORTH WALES CONNECTION PROJECT) ORDER
 DESIGN PLAN: ILLUSTRATIVE BRIDGE DETAILS FOR TUNNEL
 CONSTRUCTION
 REGULATION 5(2)(o)
 SHEET 6 OF 6

GORCHYMYN NATIONAL GRID
 (PROSIECT CYSYLLTIAD GOGLEDD CYMRU)
 CYNLLUN DYLLUNIO: DARLUN O FANYLION Y BONT AR GYFER
 ADEILADU'R TWNNEL
 RHEOLIAD 5(2)(o)
 DALEN 6 O 6

nationalgrid

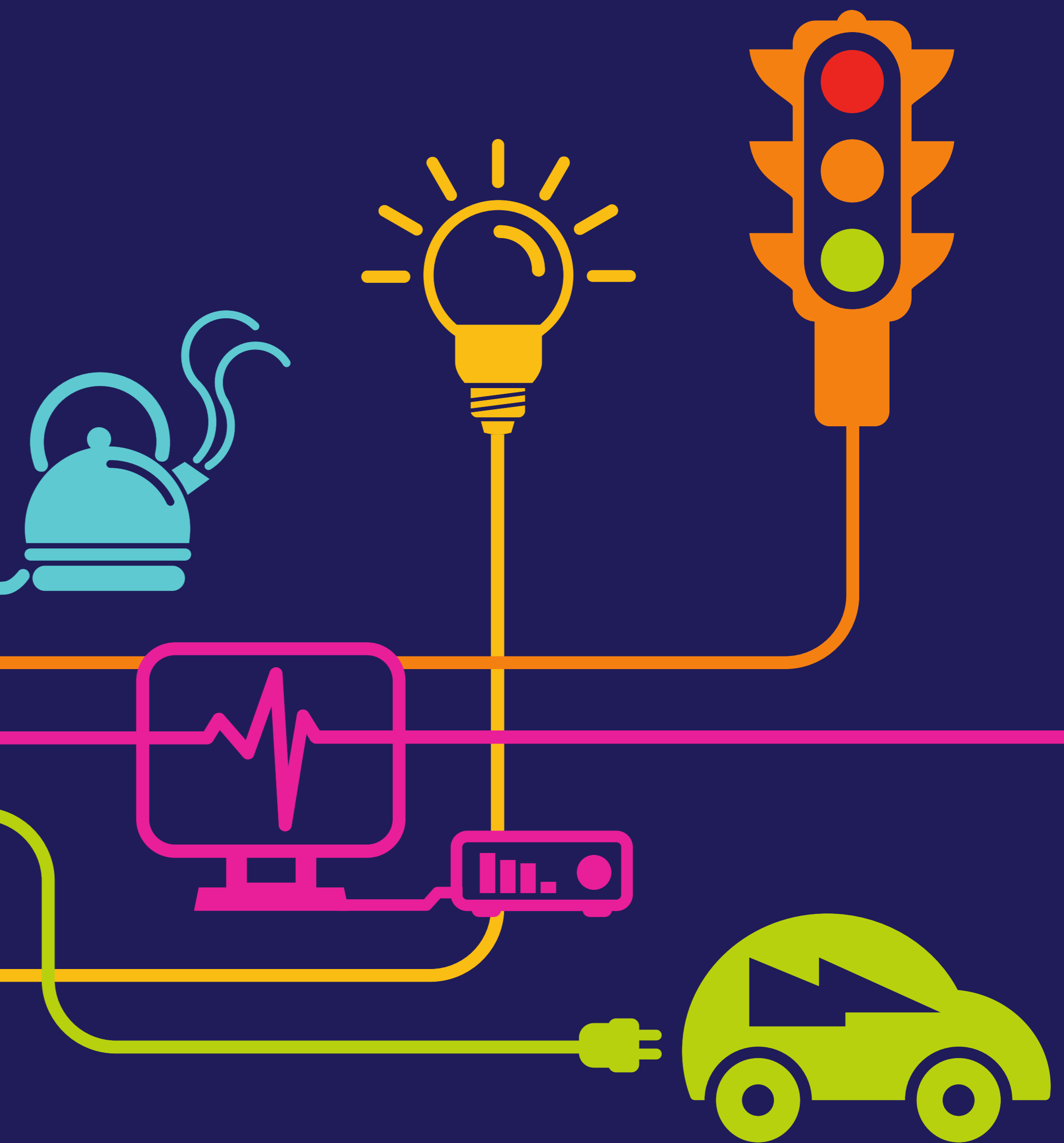
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| Application Number / Rhif y Cais | | | |
| EN020015 | | | |
| National Grid Drawing Reference / Cyfeirnod Lluniad National Grid | | | |
| DCO_DE/PS/11_06 | | | |
| Scale / Graddfa | Sheet Size / Mensi y Ddaen | Sheet / Ddaen | Issue / Cylwedd |
| NTS | A1 | SHEET 6 OF 6 | A |

Design Drawings – Illustrative Construction Compounds

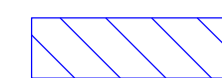



National Grid (North Wales Connection Project)

Drawing References DCO_DE/PS/12_01 to DCO_DE/PS/12_05

| Sheet | Plan Title |
|--------|---|
| 1 of 5 | DESIGN PLAN: ILLUSTRATIVE OVERHEAD LINE CONSTRUCTION COMPOUND |
| 2 of 5 | DESIGN PLAN: ILLUSTRATIVE TUNNEL AND CABLE SEALING END CONSTRUCTION COMPOUND – BRAINT |
| 3 of 5 | DESIGN PLAN: ILLUSTRATIVE TUNNEL AND CABLE SEALING END CONSTRUCTION COMPOUND - Tŷ FODOL |
| 4 of 5 | DESIGN PLAN: ILLUSTRATIVE CONSTRUCTION COMPOUND – WYLFA |
| 5 of 5 | DESIGN PLAN: ILLUSTRATIVE CONSTRUCTION COMPOUND - PENTIR |



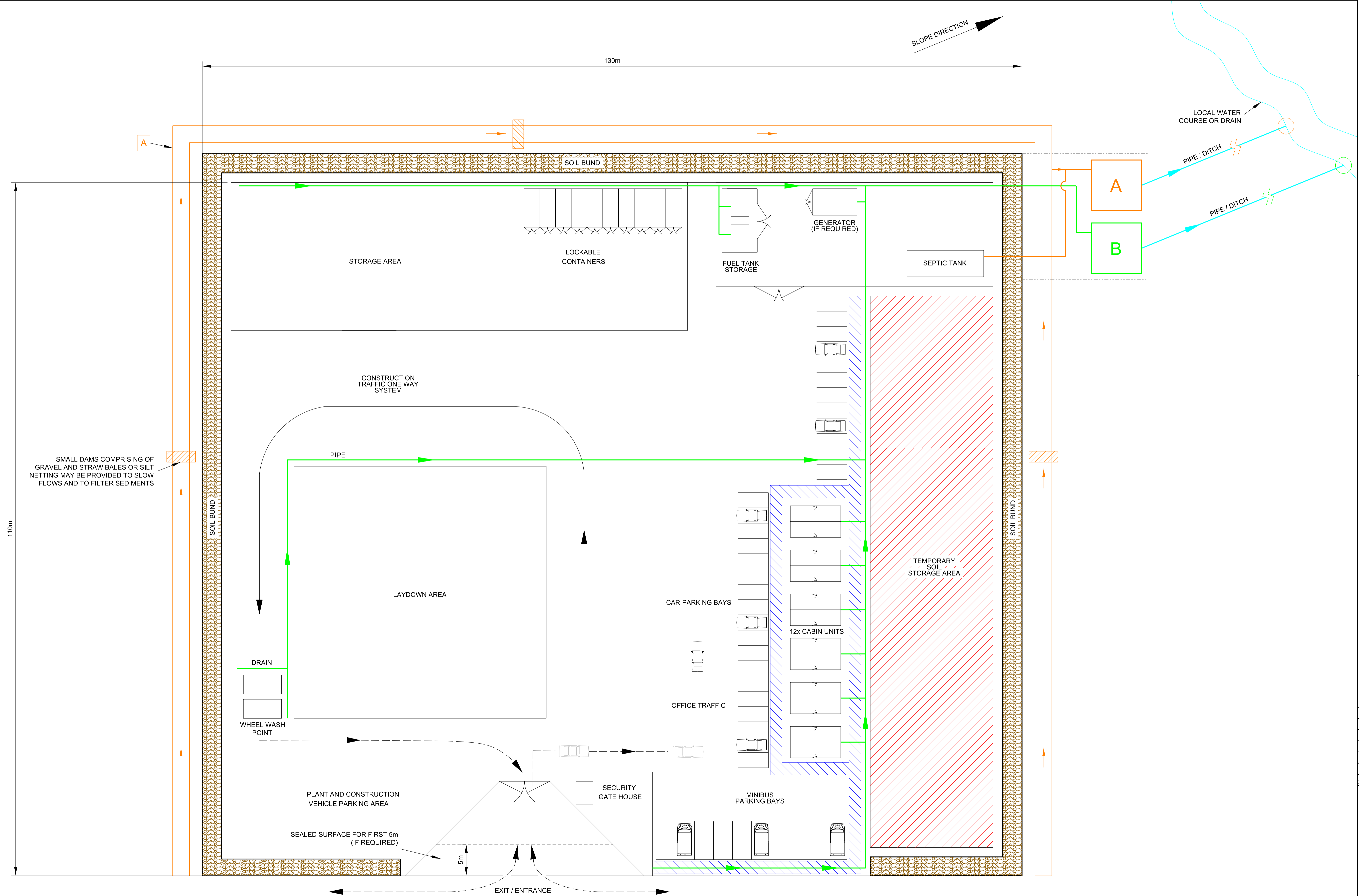
Legend / Allwedd

-  PEDESTRIAN ACCESS
-  SOIL BUND
-  TEMPORARY SOIL STORAGE
-  INTERCEPTOR DITCH

- A** OFFSITE SURFACE & SUBSURFACE DRAINAGE FLOWS AND TREATED DISCHARGE FROM SEPTIC PLANT CONVEYED INTO SILTATION SUMP / RETENTION FACILITIES. FLOWS FROM THIS DISCHARGED TO EITHER WATER COURSE, EXISTING DRAINS OR VIA NEW SOAKAWAY IF GROUND CONDITIONS ALLOW.
- B** COMPOUND SURFACE WATER FLOWS FROM ALL IMPERMEABLE AREAS INCLUDING: CAR PARK, CABINS, LAY DOWN AREA ETC. CONVEYED INTO SILTATION SUMP, OIL FILTER AND RETENTION FACILITY. FLOWS OF WATER DISCHARGED FROM FACILITIES MUST BE RESTRICTED TO FLOW RATES EQUIVALENT OR LOWER THAN EXISTING GREEN FIELD RUNOFF RATES.

Notes / Nodiadau

1. DIMENSIONS AND LAYOUT ARRANGEMENT SHOWN ARE INDICATIVE ONLY. DESIGN WILL VARY ACCORDING TO THE AVAILABLE AREA, THE SPECIFIC SITE CONSTRAINTS AND THE CONSTRUCTION CONTRACTORS REQUIREMENTS.
2. CABIN UNITS MAY BE DOUBLE STOREY.
3. SOIL BUND WILL BE DESIGNED WITH SUITABLE GAPS / DRAINAGE PIPES TO ALLOW WATER FLOW IN FLOOD CONDITIONS.
4. THIS DRAWING SHOWS A TYPICAL OVERHEAD LINE CONSTRUCTION COMPOUND, WHICH WILL BE IN PLACE DURING CONSTRUCTION OF THE OVERHEAD LINE.
5. SOIL WITHIN COMPOUND TO BE STRIPPED AND COMPOUNDS TEMPORARILY SURFACED.



| Issue / Cylloedd | Date / Dyddiad | Remarks / Sylweddau | Drawn / Tynnwyd | Checked / Gwirio | Approved / Cymroddwyd |
|------------------|----------------|---------------------|-----------------|------------------|-----------------------|
| A | | FOR DCO SUBMISSION | JY | MF | RP |

Title / Teitl

THE NATIONAL GRID
 (NORTH WALES CONNECTION PROJECT) ORDER
 DESIGN PLAN: ILLUSTRATIVE
 OVERHEAD LINE CONSTRUCTION COMPOUND
 REGULATION 5(2)(o)
 SHEET 1 OF 5

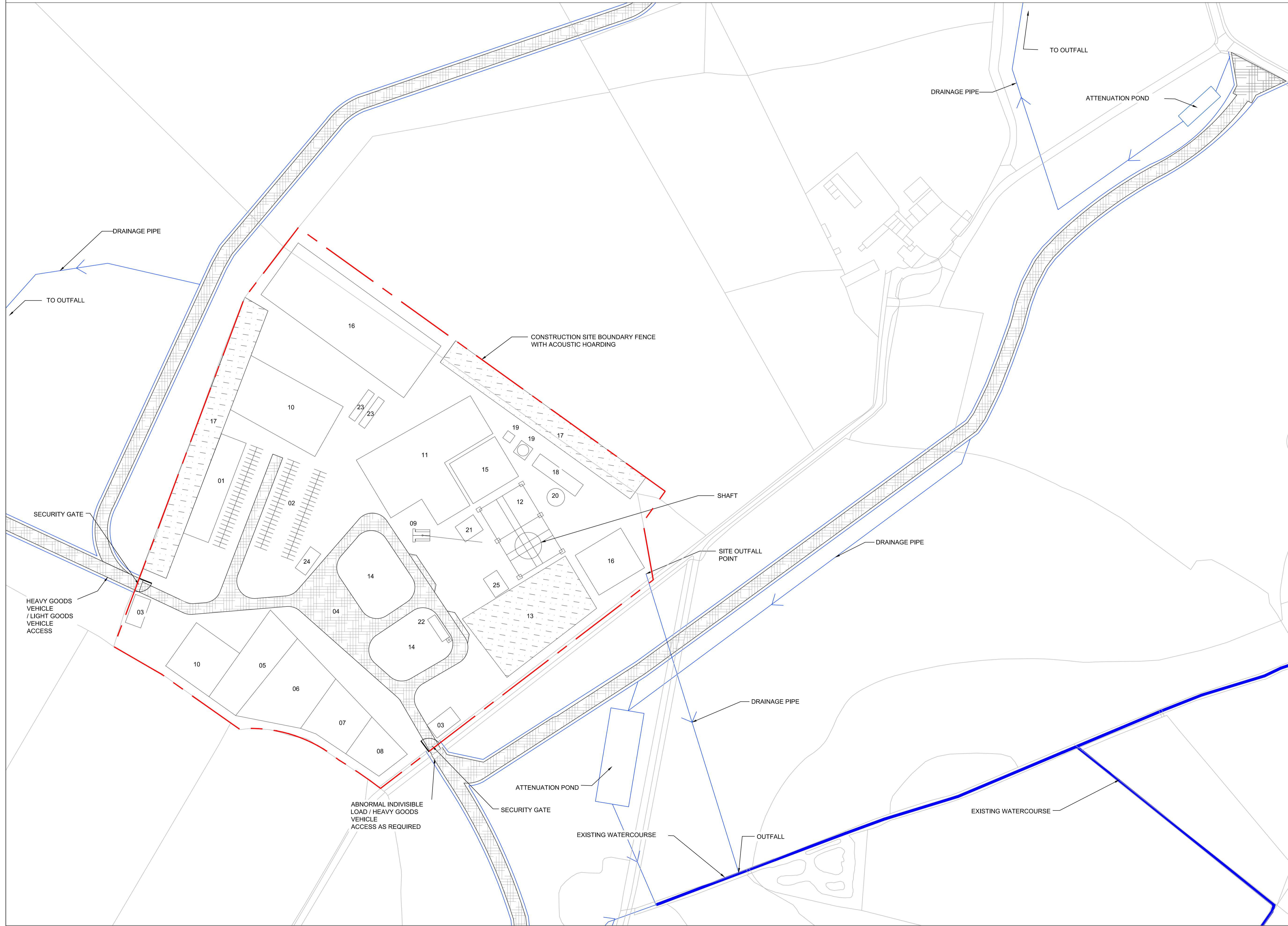
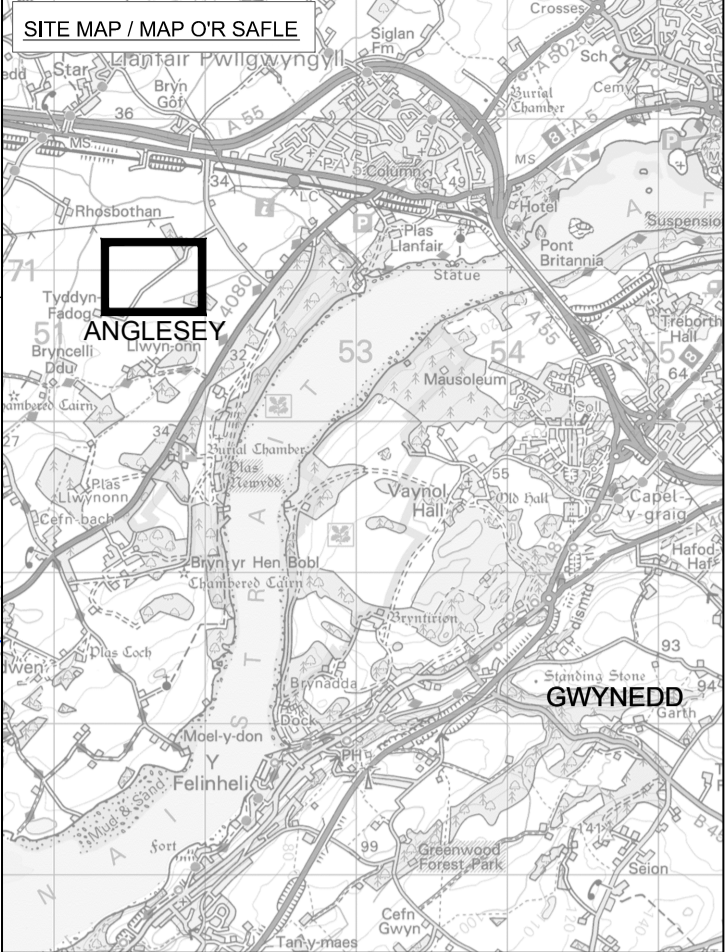
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 (PROSIECT CYSYLLTIAD GOGLEDD CYMRU)
 CYNLLUN DYLLUNIO: DARLUN O'R
 COMPOWND ADEILADU LLINELLAU UWCHBEN
 RHEOLIAD 5(2)(o)
 DALEN 1 O 5

nationalgrid

Application Number / Rhif y Cais: EN020015

National Grid Drawing Reference / Cylfeirnod Lluniad National Grid: DCO_DE/PS/12_01

| | | | |
|------------------------|----------------------------|-----------------------------|---------------------|
| Scale / Graddfa: 1:300 | Sheet Size / Mensiynau: A1 | Sheet / Dalen: SHEET 1 OF 5 | Issue / Cylloedd: A |
|------------------------|----------------------------|-----------------------------|---------------------|



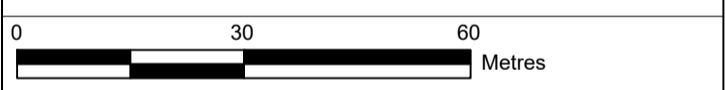
Legend / Allwedd

| NO | DESCRIPTION |
|----|--|
| 1 | SITE OFFICES |
| 2 | CAR PARKING |
| 3 | WHEEL WASH |
| 4 | HOLDING AREA, TRUCKS ETC. |
| 5 | STORAGE CONTAINERS |
| 6 | SITE VEHICLES, VANS ETC. |
| 7 | CANTEEN |
| 8 | SANITATION, TOILETS, DRY ROOMS |
| 9 | CRAWLER CRANE |
| 10 | CONSTRUCTION MACHINERY |
| 11 | SEGMENT STORAGE/AGGREGATE BINS |
| 12 | GANTRY CRANE |
| 13 | TEMPORARY SPOIL STORAGE |
| 14 | MATERIAL STORAGE |
| 15 | SLURRY SCREENING PLANT/ CONCRETE BATCHING PLANT |
| 16 | WATER TREATMENT, STORAGE AND SEPARATORS |
| 17 | TOP SOIL STORAGE |
| 18 | PORTABLE POWER SUPPLY OR SPEN SUBSTATION |
| 19 | WATER TANK |
| 20 | TUNNEL BORING MACHINE COOLING PLANT |
| 21 | GROUTING PLANT |
| 22 | FIRE HYDRANT AND FIRE FIGHTING EQUIPMENT |
| 23 | OIL SEPARATOR |
| 24 | WASTE WATER TREATMENT PLANT |
| 25 | CONSTRUCTION WATER TREATMENT/SETTLEMENT |

| | |
|--|--------------|
| | ACCESS ROAD |
| | STORAGE AREA |

Notes / Nodiadau

- This drawing is scaled at paper size A1, therefore any prints taken at smaller sizes will affect accuracy of the measurement units and should not be scaled against.
- Construction site layout for illustration only. Site layout and equipment will vary to contractor preference.
- Layout shows tunnelling phase only.
- Layout will vary significantly during construction and installation phases.
- Internal site drainage to be determined by site contractor.



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| A | FOR DCO SUBMISSION | KJ | SR | RP | |
|-----------------------|--------------------|-----------------------|--------------------|----------------------|--------------------------|
| Issue / Cyhoeddiad | Date / Dyddiad | Remarks / Sylwadau | Drawn / Tynnwyd | Checked / Gwirwyd | Approved / Cymeradwyd |

Title / Teitl
 THE NATIONAL GRID
 (NORTH WALES CONNECTION PROJECT) ORDER
 DESIGN PLAN: ILLUSTRATIVE TUNNEL AND CABLE SEALING
 END CONSTRUCTION COMPOUND - BRAINT
 REGULATION 5(2)(o)
 SHEET 2 OF 5
 ISLE OF ANGLESEY COUNTY COUNCIL

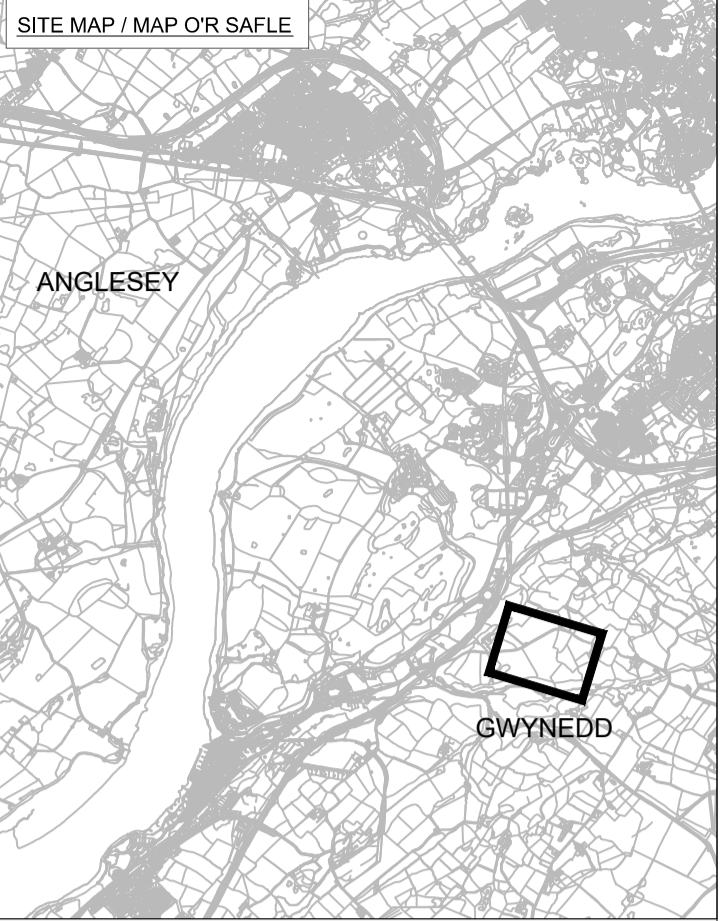
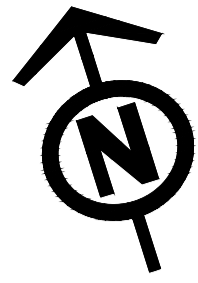
GORCHYMYN NATIONAL GRID
 (PROSIECT CYSYLLTIAD GOGLEDD CYMRU)
 CYNLLUN DYLUNIO: DARLUN O'R COMPOWND ADEILADU SY'N
 SELIO PENNAU CEBLAU A THWNNELI - BRAINT
 RHEOLIAD 5(2)(o)
 DALEN 2 O 5
 CYNGOR SIR YNYS MÔN



Application Number / Rhif y Cais
 EN020015

National Grid Drawing Reference / Cyfeirnod Lluniad National Grid
 DCO_DE/PS/12_02

| Scale / Graddfa | Sheet Size / Mensiyn Goledd | Sheet / Dalen | Issue / Cyhoeddiad |
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| 1:1000 | A1 | SHEET 2 OF 5 | A |



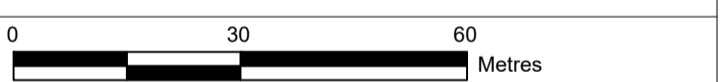
Legend / Allwedd

| No | DESCRIPTION |
|----|--|
| 1 | SITE OFFICES |
| 2 | CAR PARKING |
| 3 | WHEEL WASH |
| 4 | HOLDING AREA, TRUCKS ETC. |
| 5 | STORAGE CONTAINERS |
| 6 | SITE VEHICLES, VANS ETC. |
| 7 | CANTEEN |
| 8 | SANITATION, TOILETS, DRY ROOMS |
| 9 | CRAWLER CRANE |
| 10 | CONSTRUCTION MACHINERY |
| 11 | SEGMENT STORAGE/ AGGREGATE BINS |
| 12 | GANTRY CRANE |
| 13 | TEMPORARY SOIL STORAGE |
| 14 | MATERIAL STORAGE |
| 15 | SLURRY SCREENING PLANT/ CONCRETE BATCHING PLANT |
| 16 | WATER TREATMENT, STORAGE AND SEPARATORS |
| 17 | TOP SOIL STORAGE |
| 18 | PORTABLE POWER SUPPLY OR SPEN SUBSTATION |
| 19 | WATER TANK |
| 20 | TUNNEL BORING MACHINE COOLING PLANT |
| 21 | GROUTING PLANT |
| 22 | FIRE HYDRANT AND FIRE FIGHTING EQUIPMENT |
| 23 | OIL SEPARATOR |
| 24 | WASTE WATER TREATMENT PLANT |
| 25 | CONSTRUCTION WATER TREATMENT/SETTLEMENT |

| | |
|--|-------------|
| | ACCESS ROAD |
| | STORAGE |

Notes / Nodiadau

- This drawing is scaled at paper size A1, therefore any prints taken at smaller sizes will affect accuracy of the measurement units and should not be scaled against.
- Construction site layout for illustration only. Site layout and equipment will vary to contractor preference.
- Layout shows tunneling phase only.
- Layout will vary significantly during construction and installation phases.
- Internal site drainage to be determined by site contractor.



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| A | FOR DCO SUBMISSION | KJ | SR | RP | |
|---------------------|--------------------|------------------------|--------------------|------------------------|----------------------------|
| Issue / Cytbwedd | Date / Dyddiad | Remarks / Sylweddau | Drawn / Tynnydd | Checked / Gwirioedd | Approved / Cytmaradwydd |

Title / Teitl
 THE NATIONAL GRID (NORTH WALES CONNECTION PROJECT)
 ORDER
 DESIGN PLAN: ILLUSTRATIVE TUNNEL AND CABLE SEALING
 END CONSTRUCTION COMPOUND - Tŷ FODOL
 REGULATION 5(2)(o)
 SHEET 3 OF 5
 GWYNEDD COUNCIL

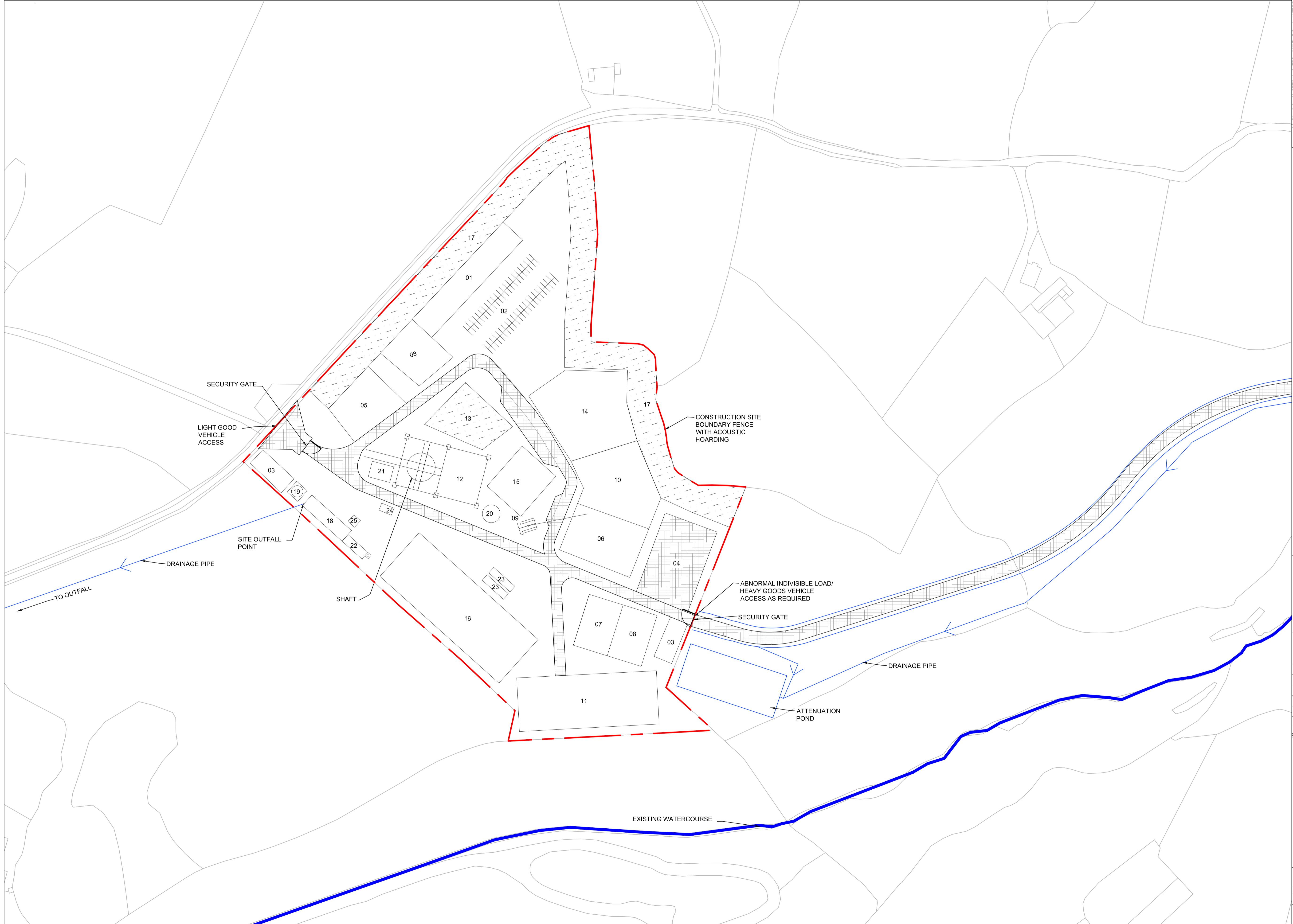
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 GOGLEDD CYMRU)
 CYNLLUN DYLLUNIO: DARLUN O'R COMPOWND ADEILADU SY'N
 SELIO PENNAU CEBLAU A THWNNELI - Tŷ FODOL
 RHEOLIAD 5(2)(o)
 DALEN 3 O 5
 CYNGOR GWYNEDD

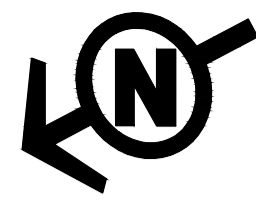


Application Number / Rhif y Cais
 EN020015

National Grid Drawing Reference / Cyfeirnod Lluniad National Grid
 DCO_DE/PS/12_03

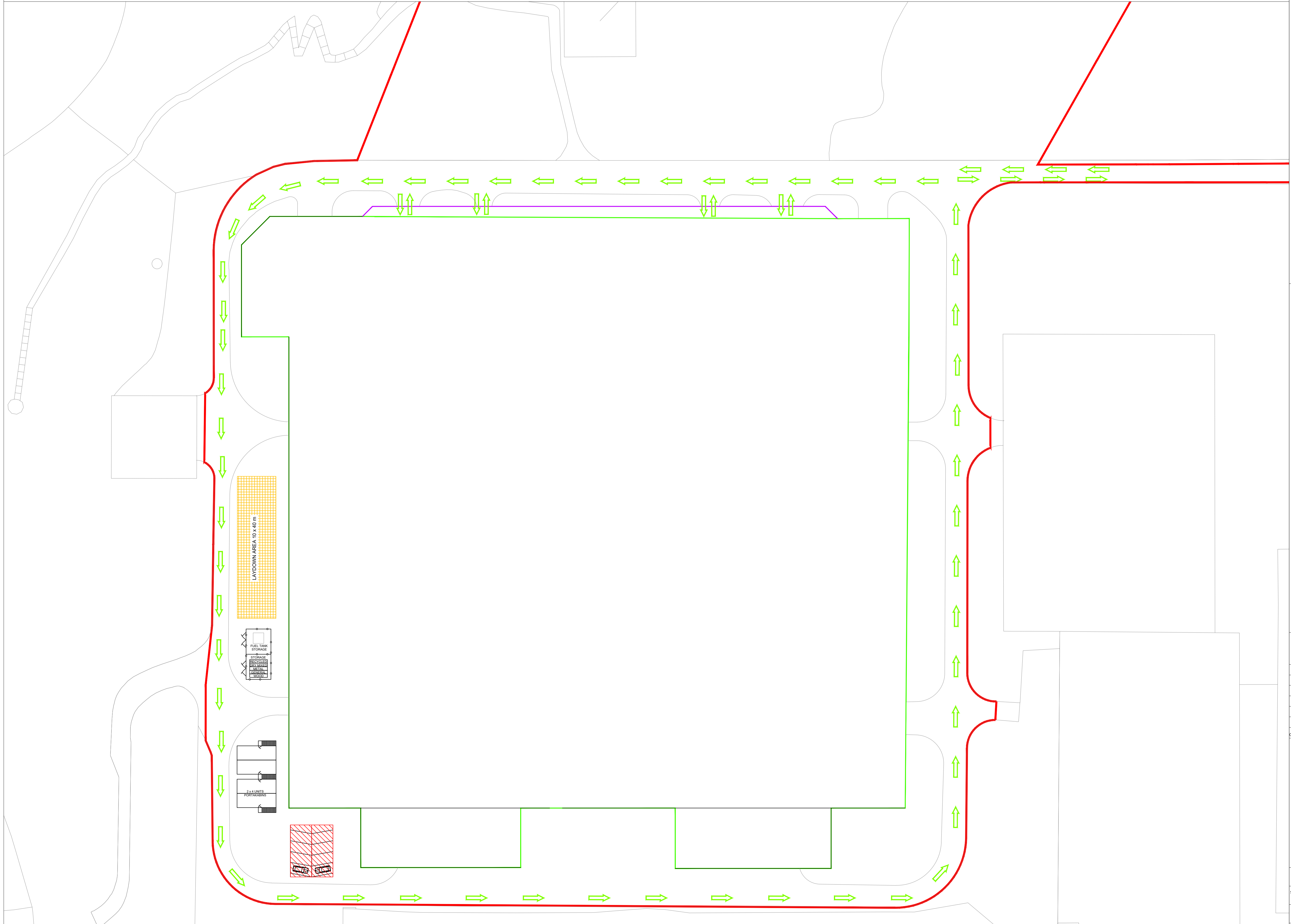
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|-----------------|--------------------------------|---------------|---------------------|
| 1:1000 | A1 | SHEET 3 of 5 | A |





Legend / Allwedd

- ORDER LIMITS
- EXISTING NATIONAL GRID 400kV
INDOOR SUBSTATION COMPOUND
- NEW NATIONAL GRID 400kV
OPERATIONAL FENCELINE
- PARKING AREA
- LAYDOWN AREA
- PROPOSED ACCESS ROUTE



Notes / Nodiadau

1. THIS DRAWING IS SCALED AT PAPER SIZE A1. THEREFORE ANY PRINTS TAKEN AT SMALLER SIZES WILL AFFECT ACCURACY OF THE MEASUREMENT UNITS AND SHOULD NOT BE SCALED AGAINST.

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| A | FOR DCO SUBMISSION | BK | HB | RP |
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| Issue / Cyhoeddiad | Date / Dyddiad | Remarks / Sylweddau | Drawn / Tytynwyd | Checked / Gwneirwyd | Approved / Cymeradwywyd |
|-----------------------|-------------------|------------------------|---------------------|------------------------|----------------------------|

Title / Teitl
 THE NATIONAL GRID (NORTH WALES CONNECTION PROJECT) ORDER
 DESIGN PLAN: ILLUSTRATIVE SUBSTATION CONSTRUCTION COMPOUND - WYLFA
 REGULATION 5(2)(o)
 SHEET 4 OF 5
 ISLE OF ANGLESEY COUNTY COUNCIL
 GORCHYMYN NATIONAL GRID (PROSIECT CYSYLLTIAD GOGLEDD CYMRU)
 CYNLLUN DYLLUNIO: CYFRIFIAD ADEILADU SYLWADOL AMGYLCHEDDOL - WYLFA
 RHEOLIAD 5(2)(o)
 DALEN 4 O 5
 CYNGOR SIR YNYS MÔN





Application Number / Rhif y Cais: EN020015

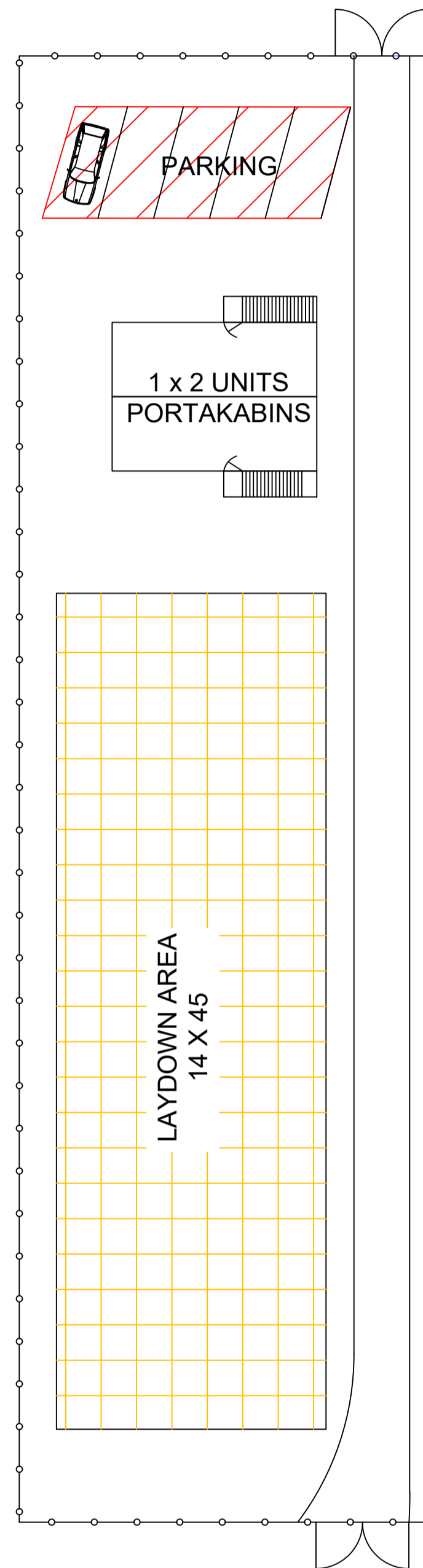
National Grid Drawing Reference / Cylfeirnod Lluniad National Grid: DCO_DE/PS/12_04

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| Scale / Graddfa | Sheet Size / Mensi y Ddalen | Sheet / Dalen | Issue / Cyhoeddiad |
| | A1 | SHEET 4 OF 5 | A |

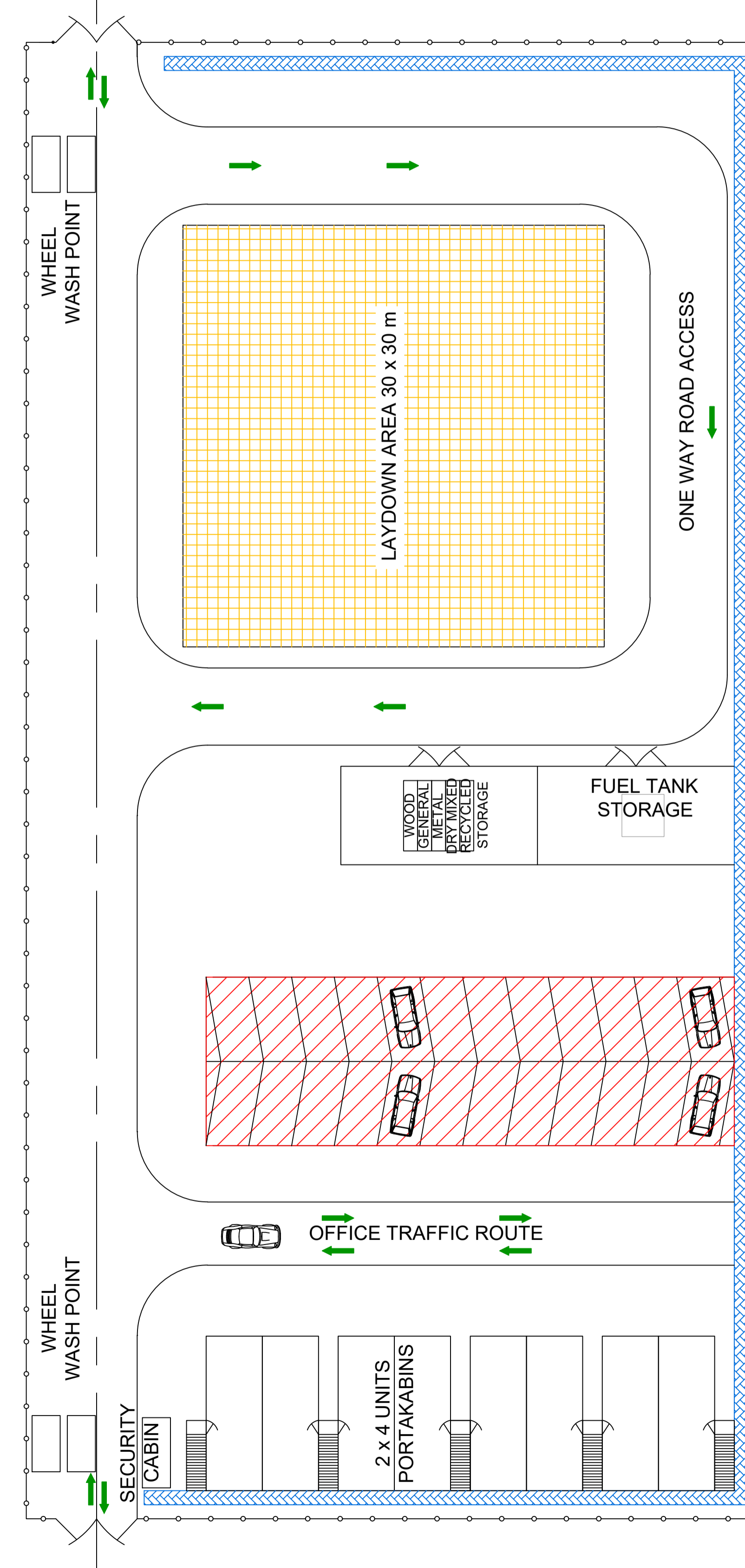
Legend / Allwedd

-  PARKING AREA
-  LAYDOWN AREA
-  ACCESS DIRECTION
-  PEDESTRIAN ACCESS

SATELLITE CONSTRUCTION COMPOUND



SUBSTATION CONSTRUCTION COMPOUND



Notes / Nodiadau

1. THIS DRAWING IS SCALED AT PAPER SIZE A1. THEREFORE ANY PRINTS TAKEN AT SMALLER SIZES WILL AFFECT ACCURACY OF THE MEASUREMENT UNITS AND SHOULD NOT BE SCALED AGAINST.

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| Issue / Cyhoeddiad | Date / Dyddiad | Remarks / Sylwadau | Drawn / Tynnwyd | Checked / Gwirwyd | Approved / Cymeradwywyd |
|--------------------|----------------|--------------------|-----------------|-------------------|-------------------------|
| A | | FOR DCO SUBMISSION | BK | HB | RP |

Title / Teitl THE NATIONAL GRID (NORTH WALES CONNECTION PROJECT) ORDER
 DESIGN PLAN: ILLUSTRATIVE SUBSTATION CONSTRUCTION COMPOUND - PENTIR
 REGULATION 5(2)(o)
 SHEET 5 OF 5
 GWYNEDD COUNCIL
 GORCHYMYN NATIONAL GRID (PROSIECT CYSYLLTIAD GOGLEDD CYMRU)
 CYNLLUN DYLUNIO: CYFRIFIAD ADEILADU SYLWADOL AMGYLCHEDDOL - PENTIR
 RHEOLIAD 5(2)(o)
 DALEN 5 O 5
 CYNGOR GWYNEDD

nationalgrid

Application Number / Rhif y Cais EN020015

National Grid Drawing Reference / Cyfeirnod Lluniau National Grid
 DCO_DE/PS/12_05

| Scale / Graddfa | Sheet Size / Mensi y Sidiau | Sheet / Dafen | Issue / Cyhoeddiad |
|-----------------|-----------------------------|---------------|--------------------|
| | A1 | SHEET 5 OF 5 | A |