YG-DCO-096

Yorkshire Green Energy Enablement (GREEN) Project

Volume 8

Document 8.7 Applicant's cross-section illustration of proposed works

Final Issue A April 2023

Planning Inspectorate Reference: EN020024

Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 Regulation 5(2)(q)

nationalgrid



ENABLEMENT PROJECT) ORDER

THE NATIONAL GRID (YORKSHIRE GREEN ENERGY

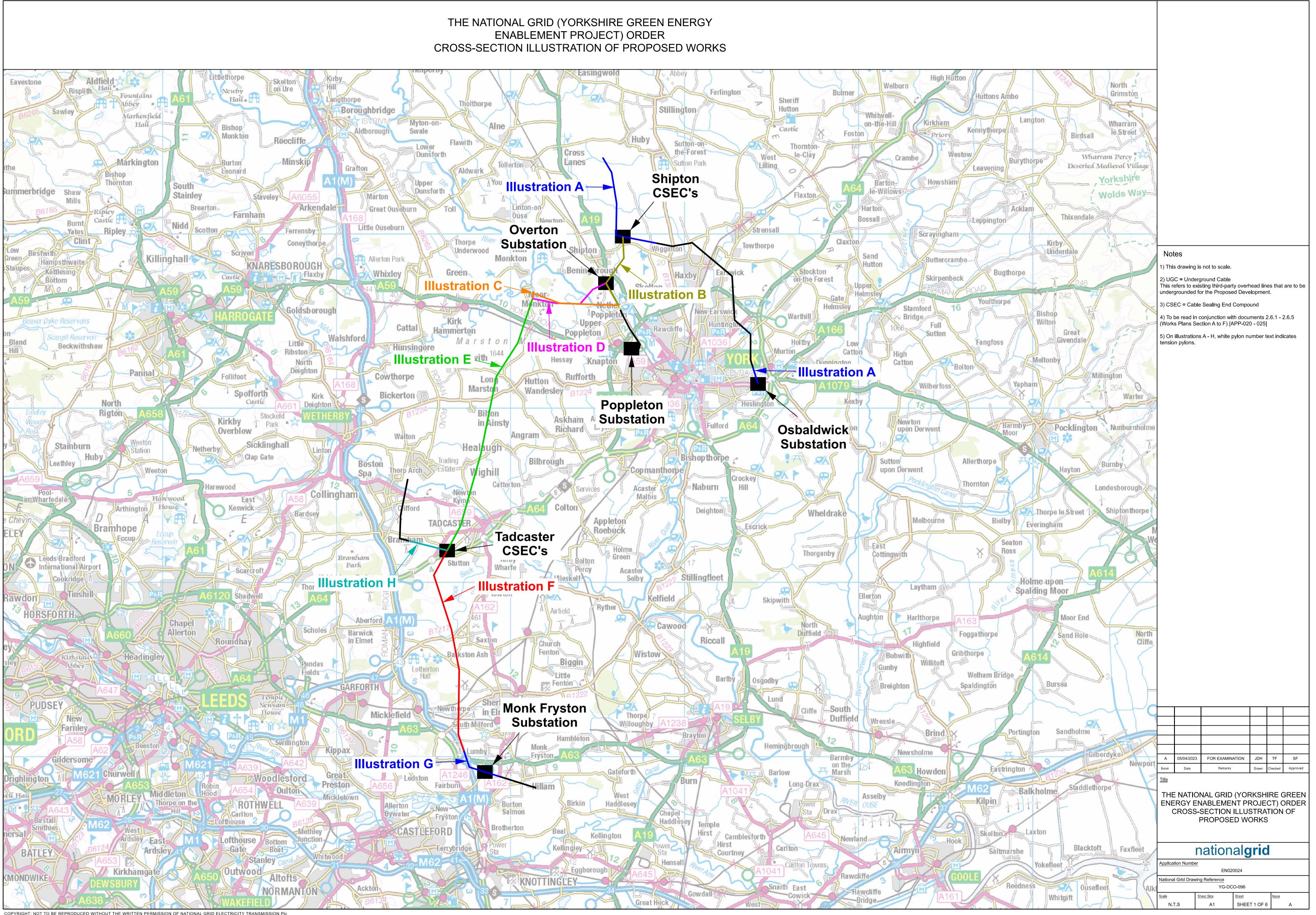
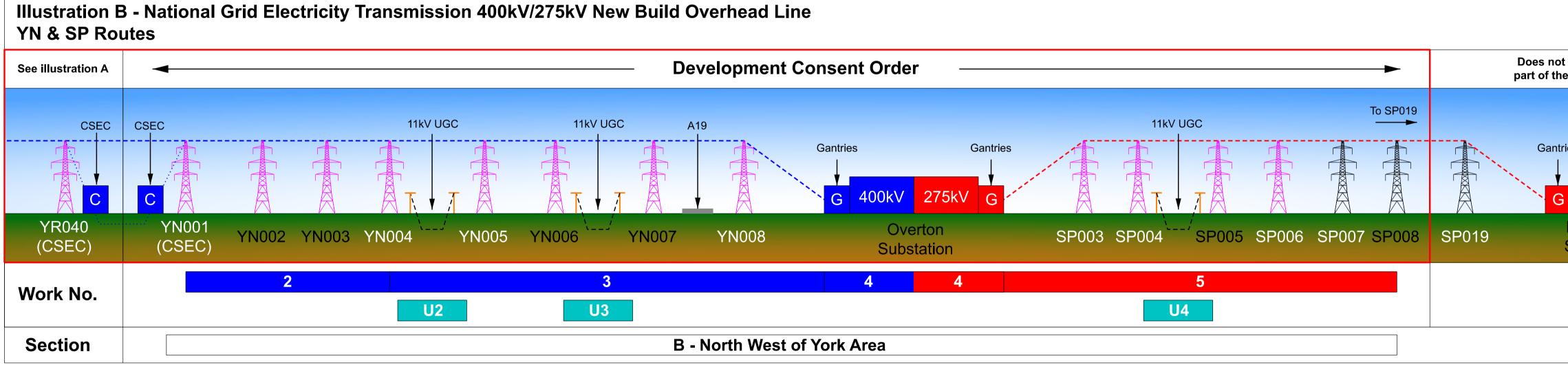
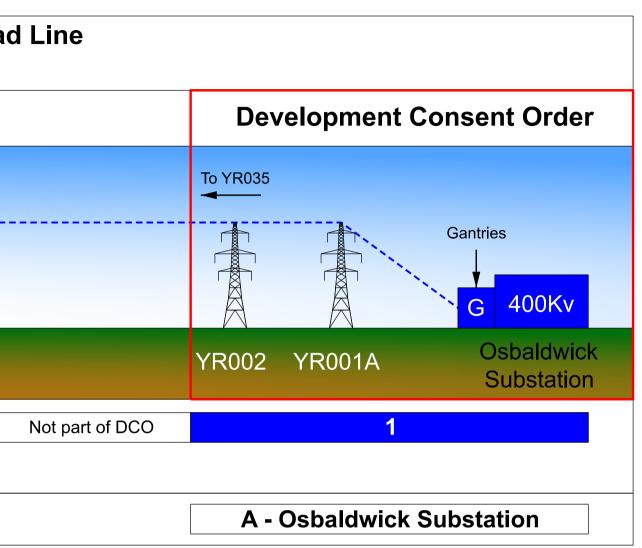


Illustration A - National Grid Electricity Transmission 400kV Reconductored Overhead Line 2TW & YR Routes

| Does not form part of the DCO | | | Deve | elopmeı | nt Cons | sent Orde | er | | | |
|-------------------------------|--------|--------|--------|-----------------|----------|------------|---------------------|-------|----------|--|
| | | | | | | 11k\ | / UGC | | To YR002 | |
| | | | | | | | | | | |
| 2TW167 | 2TW168 | 2TW169 | YR040T | YR040 (CSEC) | YR039 | YR038 | [/] YR037 | YR036 | YR035 | |
| Work No. | | | 2 | | 2 | | U1 | | | |
| Section | | | | B - No | orth Wes | st of York | Area | | | |



THE NATIONAL GRID (YORKSHIRE GREEN ENERGY ENABLEMENT PROJECT) ORDER CROSS-SECTION ILLUSTRATION OF PROPOSED WORKS



Legend



400kV Work Number 275kV Work Number Dismantling & Removal Work Number Utility Work Number Extract of DCO 400kV Overhead Line 400kV Underground Cable 275kV Overhead Line 275kV Underground Cable

Proposed Pylon

Existing Pylon

Existing Pylon to be Dismantled

Third-Party Asset to be Undergrounded

Notes

<u>ار</u>

1) This drawing is not to scale.

UGC = Underground Cable
 This refers to existing third-party overhead lines that are to be undergrounded for the Proposed Development.

3) CSEC = Cable Sealing End Compound

4) To be read in conjunction with documents 2.6.1 - 2.6.5 (Works Plans Section A to F) [APP-020 - 025]

5) On illustrations A - H, white pylon number text indicates tension pylons.

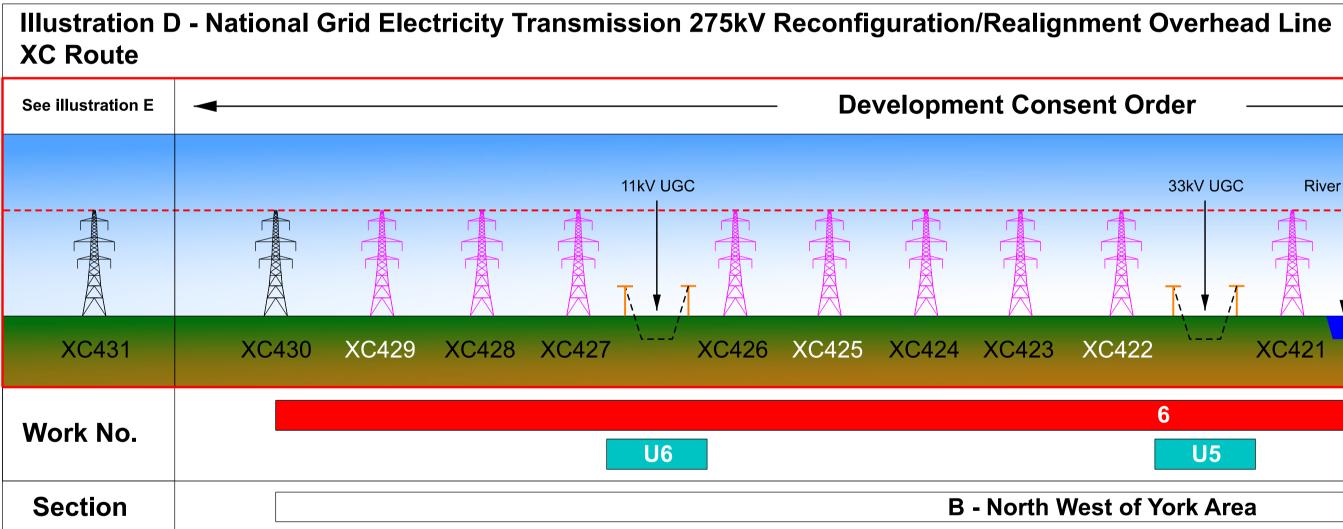
| form DCO |
|-------------------------|
| |
| ies |
| 275kV |
| Poppleton Substation |
| |
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| A | 05/04/2023 | FOR EXAMINATION | JDH | TF | SF |
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| Applica | tion Number | EN020024 | | | |
| Nationa | I Grid Drawing | g Reference | | | |

| National Grid Drav | ving Reference | | |
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| <u>Scale</u> | Sheet Size | Sheet | lssue |
| N.T.S | A1 | SHEET 2 OF 6 | А |

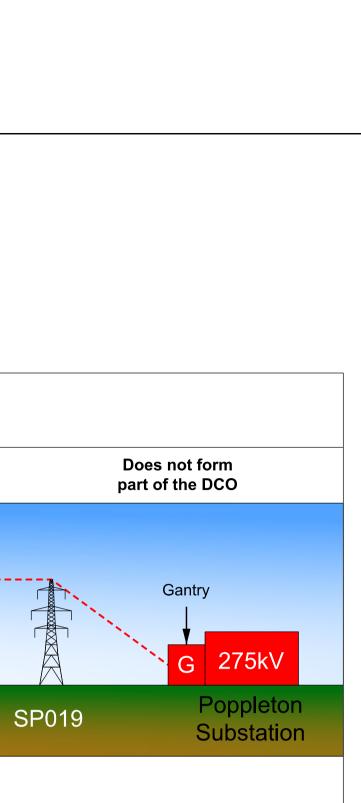
Illustration C - National Grid Electricity Transmission 275kV Dismantling Overhead Line XCP Route

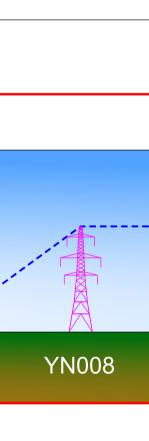
| | | | | | | | | | | | | | | | | | | | | | _ |
|--------------------|-------|--------|-------|--------|--------|--------|--------|--------|--------|-----------|-----------|--------|---------|----------|--------|--------|--------|----------|--------------|----------|---|
| See illustration E | | | | | | | | Deve | opment | Consent | Order | | | | | | | | | _► | |
| | | | | | | | | | | | | 33kV U | JGC Riv | ver Ouse | | | | East Coa | ast Mainline | To SP019 | |
| | | | | | | | | | | | | | 7 | | | | | | | | |
| XC431 | XC430 | XC429T | XC429 | XC428T | XCP001 | XCP002 | XCP003 | XCP004 | XCP005 | XCP006 | XCP007 | XCP008 | | XCP009 | XCP010 | XCP011 | XCP012 | XCP013 | | SP007 | S |
| Work No. | | 6 | | | | | | | | 6 | 6 | U | 5 | | | | | | 5 | | |
| Section | | | | | | | | | B - No | orth West | of York A | Area | | | | | | | | | |



THE NATIONAL GRID (YORKSHIRE GREEN ENERGY ENABLEMENT PROJECT) ORDER CROSS-SECTION ILLUSTRATION OF PROPOSED WORKS

| sent Order —— | | | | | See illustration B |
|-------------------|-------------|--------------|----------|---------------------|--------------------|
| 33kV UGC Riv | ver Ouse | East Coast N | Mainline | | |
| | | | | Gantries G 275kV | Gantries |
| XC422 XC421 | XC420 XC419 | XC418 XC417 | XC416 | | erton tation |
| 6 U5 | | | | | |
| Nest of York Area | | | | | |





Legend



400kV Work Number 275kV Work Number Dismantling & Removal Work Number Utility Work Number Extract of DCO 400kV Overhead Line 400kV Underground Cable 275kV Overhead Line 275kV Underground Cable

Proposed Pylon

Existing Pylon

Existing Pylon to be Dismantled

Third-Party Asset to be Undergrounded

Notes

[\ ____

1) This drawing is not to scale.

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 This refers to existing third-party overhead lines that are to be undergrounded for the Proposed Development.

3) CSEC = Cable Sealing End Compound

4) To be read in conjunction with documents 2.6.1 - 2.6.5 (Works Plans Section A to F) [APP-020 - 025]

5) On illustrations A - H, white pylon number text indicates tension pylons.

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Sheet

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А

National Grid Drawing Reference

Scale

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Sheet Size

A1

Illustration E - National Grid Electricity Transmission 275kV Reconductored Overhead Line XC Route

| See illustration D | | | | | | | | | | | Deve | elopmer | nt Consen | Order | | | | | | | | | | | | |
|---|-----------|---------|---------|---------|----------|----------|---------|---------|---------|---------|---------|---------|-------------|----------|-------|-------|---------|---------|---------|-------|-------|-------|----------|-------|-------|-------|
| | | | | | | 459 R/ | AILWAY | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A | | | A | | Å | | | Å | | | | | | | | | Å | | | | | | | | | |
| XC429 | XC430 | XC431 | XC432 | XC433 | XC434 | XC43 | 5 XC43 | 6 XC437 | XC438 | XC439 > | XC440 > | XC441 X | C442 XC44 | 3 XC444 | XC445 | XC446 | XC447 2 | XC448 X | XC449 > | XC450 | XC451 | XC452 | XC453 | XC454 | XC455 | XC456 |
| Work No. | | | | | | | | | | | | 7 | | | | | | | | | | | | | | |
| Section | | | | | | | | | | | C - | Moor M | onkton to T | adcaster | • | | | | | | | | | | | |
| | | | | | | • | | | | | | | | | | | | | | | | | | | | |
| | E (Contir | nued) - | Nationa | al Grid | Electric | ity Tran | smissio | on 275k | kV Reco | onducto | ored Ov | /erhead | Line | | | | | | | | | | | | | |
| | E (Contir | nued) - | Nationa | al Grid | Electric | ity Tran | smissio | on 275k | kV Reco | | | | Line | •r — | | | | | | | | | | | | |
| XC Route | E (Contir | nued) - | Nationa | al Grid | Electric | ity Tran | smissi | on 275k | kV Reco | | | | | | A659 | | | | | | A659 | | 11kV UGC | | | |
| XC Route See Above | | nued) - | Nation | al Grid | Electric | | | | kV Reco | Dev | elopme | ent Con | nsent Orde | | | | 1 | | | | | | 11kV UGC | | | |
| Illustration I XC Route See Above | | | | | | | | | | Dev | velopme | ent Con | River W | arfe | | | | | | | | | | | | |
| XC Route See Above | | | | | | | | | | Dev | velopme | ent Con | nsent Orde | arfe | | | | | | | | XC477 | | | | |

| See illustration D | - | | | | | | | | | | Develo | pment | Consent | Order | | | | | | | | | | |
|--------------------------|---------|----------|---------|---------|----------|-----------|---------|----------|---------|---|---------|---------|----------------------|----------|-------|-------|-------|-------|-------|--------|-------|---------------------|---------|---------------------------------------|
| | | | | | | A59 F | RAILWAY | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| XC429 | XC430 | XC431 | XC432 X | (C433) | XC434 | XC43 | 5 XC43 | 6 XC437 | XC438 X | <c439 th="" ×<=""><th>KC440 X</th><th>C441 XC</th><th>442 XC44</th><th>3 XC444</th><th>XC445</th><th>XC446</th><th>XC447</th><th>XC448</th><th>XC449</th><th>XC450</th><th>XC451</th><th>XC452 ></th><th>C453 XC</th><th>454</th></c439> | KC440 X | C441 XC | 442 XC44 | 3 XC444 | XC445 | XC446 | XC447 | XC448 | XC449 | XC450 | XC451 | XC452 > | C453 XC | 454 |
| Work No. | | | | | | | | | | | | 7 | | | | | | | | | | | | |
| Section | | | | | | | | | | | C - N | oor Moi | nkton to T | adcaster | • | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| Illustration XC Route | E (Cont | inued) - | Nationa | l Grid | Electric | city Trar | nsmissi | on 275k' | V Recon | nducto | red Ove | rhead L | .ine | | | | | | | | | | | |
| See Above | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | Deve | elopme | nt Cons | ent Orde | r – | | | | | | | | | | |
| | | | | | | | | | | Deve | elopme | nt Cons | ent Orde River Wr | | A659 | | | | | | A659 |) 2x 1 [;] | kV UGC | |
| | | | | | | | | | | | | nt Cons | River Wr | | A659 | | | | | | A659 |) 2x 1' | kV UGC | ר ר ר ר |
| | | | | | | | | | | | | | | arfe | | | | | | | | | kV UGC | ר ר ר |
| XC457 | A | A | | A | A | A | A I | A A | A | | | | River Wr | arfe | | | | | | 475 XC | | | kV UGC | ו ק 78 > |
| | A | A | | A | A | A | A I | A A | A | | | | River Wr | arfe | | | | | | | | XC477 | ×C4 | 78 > |
| XC457 | A | A | | A | A | A | A I | A A | A | | | | River Wr | arfe | | | | | | | | XC477 | | ייייייייייייייייייייייייייייייייייייי |

THE NATIONAL GRID (YORKSHIRE GREEN ENERGY ENABLEMENT PROJECT) ORDER CROSS-SECTION ILLUSTRATION OF PROPOSED WORKS

Legend



400kV Work Number 275kV Work Number Dismantling & Removal Work Number Utility Work Number Extract of DCO 400kV Overhead Line 400kV Underground Cable 275kV Overhead Line 275kV Underground Cable

Proposed Pylon

Existing Pylon

Existing Pylon to be Dismantled

Third-Party Asset to be Undergrounded

Notes

/ / /___/

See

Below

---<u>s</u>----

XC457

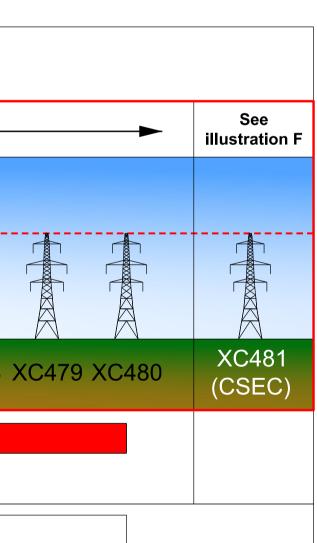
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| A | 05/04/2023 | FOR EXAMINATION | JDH | TF | SF |
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| Nationa | al Grid Drawing | g Reference | | | |

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Illustration F - National Grid Electricity Transmission 275kV Reconductored Overhead Line

| XC Route See illustration E | - | | | | | | | – D | evelop | ment C | onsent | Order | | | | | | | | | | See Below |
|-----------------------------|---|-------|-------|-------|-------|-------|-------|-------|--------|--------|-----------|------------|---------|-------|----------------------|---------|---------|----------------------|--------------------|--------|-------|--------------|
| | Medium Pressure Gas Pipeline Diversion A64 | | | | | | | | | | | | | 11 | kV UGC | | 11 | kV UGC | 11kV UGC | | | |
| | | | | | | | | | | | | | | | | | | | T T | | | |
| XC479 | XC481 (CSEC) | XC482 | XC483 | XC484 | XC485 | XC486 | XC487 | XC488 | XC489 | XC490 | XC491 | XC492 | XC493 | XC494 | × [/] XC495 | 5 XC496 | 6 XC497 | `\ ['] XC49 | 8 ^{`'} XC | C499 X | (C500 | XC501 |
| Work No. | 8 U10 | | | | | | | | | | | | | | U11 | 9 | | U12 | U13 | | | |
| Section | D - Tadcaster Are | a | | | | | | | | E | E - Tadca | aster to I | Monk Fr | yston | | | | | | | |] |

Illustration F (Continued) - National Grid Electricity Transmission 275kV Reconductored Overhead Line **XC Route Development Consent Order** See Above See illustration G 11kV UGC RAILWAY RAILWAY 11kV UGC _____ _____ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ XC501 XC502 XC503 XC504 XC505 XC506 XC507 XC508 XC509 XC510 XC511 XC512 XC513 XC514 XC515 XC516 XC517 XC518 XC519 XC520 XC521 XC522T 9 Work No. U15 U14 E - Tadcaster to Monk Fryston Section

THE NATIONAL GRID (YORKSHIRE GREEN ENERGY ENABLEMENT PROJECT) ORDER CROSS-SECTION ILLUSTRATION OF PROPOSED WORKS

Legend



400kV Work Number 275kV Work Number Dismantling & Removal Work Number Utility Work Number Extract of DCO 400kV Overhead Line 400kV Underground Cable 275kV Overhead Line 275kV Underground Cable

Proposed Pylon

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Existing Pylon to be Dismantled

Third-Party Asset to be Undergrounded

Notes

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| А | 05/04/2023 | FOR EXAMINATION | JDH | TF | SF |
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Scale

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Sheet Size

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SHEET 5 OF 6

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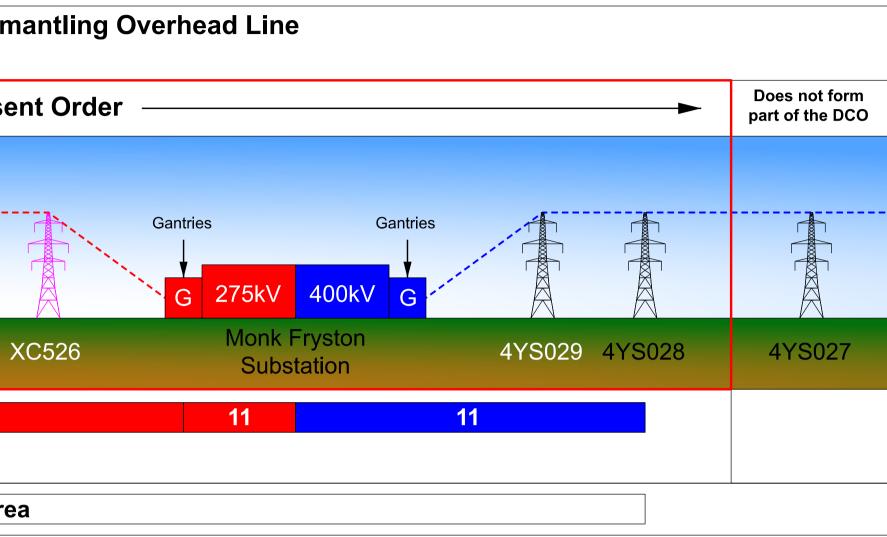
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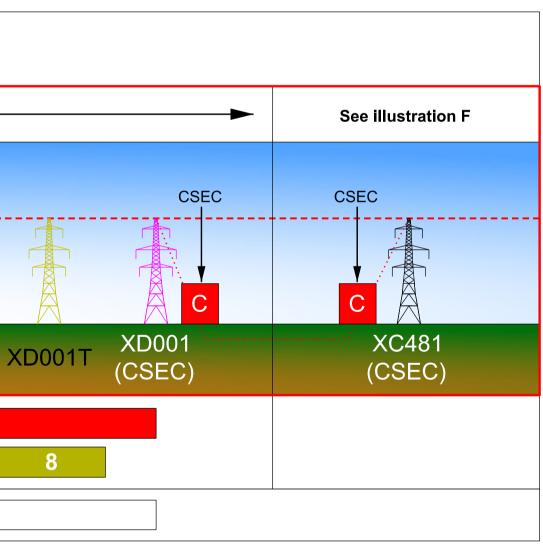
Illustration G - National Grid Electricity Transmission 275kV/400kV New Build & Dismantling Overhead Line XC & 4YS Route

| See illustration F | - | | | | | | Deve | elopme | ent Cons | ;e |
|--------------------|-------|-----|-----------|----------------------|---------|----------|-------|--------|----------|----|
| | | A63 | | | | | | | | |
| | | | | | | | | | | |
| XC520 | XC521 | XC5 | 522T XC52 | 2 XC523 ⁻ | Г ХС523 | XC524T | XC524 | XC525 | XC525T | X |
| Work No. | | | | | | 10 0 | | | | |
| Section | | | | | | | F - I | Monk F | ryston A | re |

| Illustration H - XD Route | National Gr | id Elect | ricity Tr | ansmis | sion 27 | 5kV Mo | dified (| Overhea | d Line |
|----------------------------------|---------------------------|----------|-----------|--------|---------|---------|----------|----------|--------|
| Does not form part of the DCO | Development Consent Order | | | | | | | | |
| | | | | | | | | 33kV UGC | A659 |
| | | | | | | | | | |
| XD009 | XD008 | XD007 | XD006 | XD005 | XD004 | XD003 | XD002 | 2 | |
| Work No. | | | | | | 8 | | U9 | |
| Section | | | | | D - | Tadcast | er Area | | |

THE NATIONAL GRID (YORKSHIRE GREEN ENERGY ENABLEMENT PROJECT) ORDER CROSS-SECTION ILLUSTRATION OF PROPOSED WORKS





Legend



400kV Work Number 275kV Work Number Dismantling & Removal Work Number Utility Work Number Extract of DCO 400kV Overhead Line 400kV Underground Cable 275kV Overhead Line 275kV Underground Cable

Proposed Pylon

Existing Pylon

Existing Pylon to be Dismantled

Third-Party Asset to be Undergrounded

Notes

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| A | 05/04/202 | 3 FOR EXAMIN | ATION | JDH | TF | SF | | | |
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| Issue | Date | Remarks | Remarks | | Checked | Approved | | | |
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| | national grid | | | | | | | | |
| Applica | Application Number EN020024 | | | | | | | | |
| Nationa | National Grid Drawing Reference | | | | | | | | |
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| N. | T.S | A1 | SHEET 6 OF 6 A | | А | | | | |

National Grid plc National Grid House, Warwick Technology Park, Gallows Hill, Warwick. CV34 6DA United Kingdom

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