

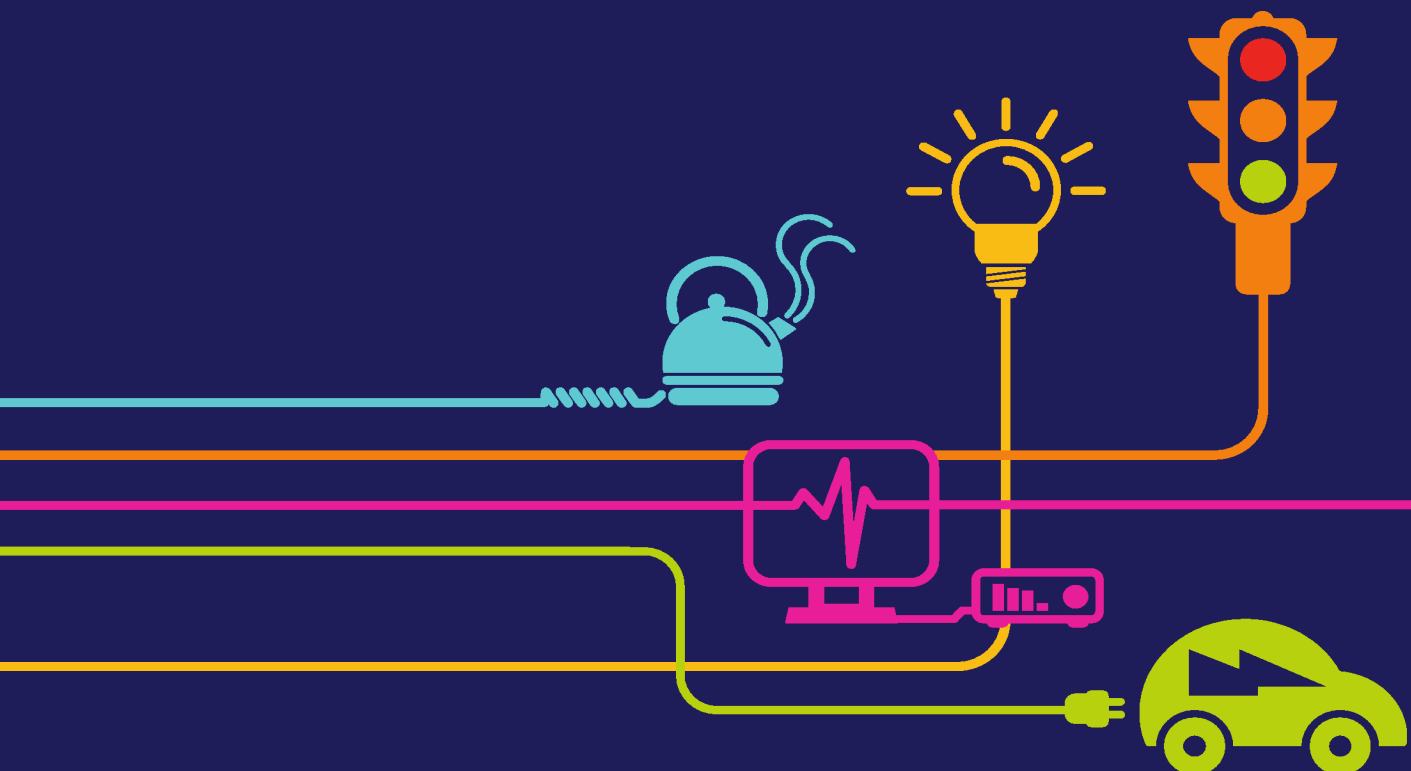
DOCUMENT 5.3.2.1

Indicative Pylon Schedule

Chapter 3 – Appendix 1

National Grid (North Wales Connection Project)

Regulation 5(2)(a) including (l) and (m) of the Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009



national**grid**

North Wales Connection Project

Volume 5

Document 5.3.2.1 Appendix 3.1 Indicative Pylon Schedule

National Grid
National Grid House
Warwick Technology Park
Gallows Hill
Warwick
CV34 6DA

Final September 2018

Page intentionally blank

| Document Control | | | |
|----------------------------|--|---------------|----------------------------|
| Document Properties | | | |
| Organisation | AECOM | | |
| Author | Nicole Walsh | | |
| Approved by | Charlotte Clinton | | |
| Title | Appendix 3.1 Indicative Pylon Schedule | | |
| Document Reference | Document 5.3.2.1 | | |
| Version History | | | |
| Date | Version | Status | Description/Changes |
| September 2018 | Rev A | FINAL | Final for submission |
| | | | |
| | | | |
| | | | |

Page intentionally blank

Contents

| | | |
|----------|----------------------------------|----------|
| 1 | Indicative Pylon Schedule | 1 |
| 1.1 | 4AP Option A | 1 |
| 1.2 | 4AP Option B | 8 |
| 1.3 | 4ZA Alignment (Options A&B) | 16 |
| 1.4 | 4ZB Alignment | 24 |
| 1.5 | Proposed Temporary Alignment | 25 |

Page intentionally blank

1 Indicative Pylon Schedule

1.1 4AP OPTION A

| 4AP Option A | | | | | | | | |
|---------------------------------|------|------------|----------------|------------|----------------|-----------------|------------------------------|-------------------------------------|
| Tower Number | Type | Pylon Type | New / Existing | Height (m) | Footprint (m) | Foundation Type | Column Size ¹ (m) | Area ² (m ²) |
| Section A | | | | | | | | |
| Gantry (x2) Wylfa Substation | | | New | | | | | |
| 4AP001 | L12 | DT | New | 46.0 | 13.0 x 13.0 | Column/pad | 1.25 | 6.25 |
| 4AP002 | L6 | D30 | Existing | 51.6 | 14.9 x 14.9 | Existing | | |
| 4AP003 | L6 | D | Existing | 56.1 | 12.8 x 12.8 | Existing | | |
| 4AP004 | L6 | D30 | Existing | 48.6 | 13.4 x 13.4 | Existing | | |
| 4AP005 | L6 | D | Existing | 56.1 | 12.8 x 12.8 | Existing | | |
| 4AP006 | L6 | D | Existing | 56.1 | 12.8 x 12.8 | Existing | | |
| 4AP007 | L6 | D | Existing | 56.1 | 12.8 x 12.8 | Existing | | |
| 4AP008 | L6 | D | Existing | 59.2 | 13.8 x 13.8 | Existing | | |
| 4AP009 | L6 | D | Existing | 56.1 | 12.8 x 12.8 | Existing | | |
| 4AP010 | L6 | D30 | Existing | 51.6 | 14.9 x 14.9 | Existing | | |

¹ Column refers to the indicative size of one pylon leg above ground

² Area refers to the indicative total land take per pylon (i.e four legs)

| 4AP Option A | | | | | | | | |
|--------------|------|------------|----------------|------------|---------------|-----------------|------------------------------|-------------------------------------|
| Tower Number | Type | Pylon Type | New / Existing | Height (m) | Footprint (m) | Foundation Type | Column Size ¹ (m) | Area ² (m ²) |
| 4AP011 | L6 | D | Existing | 50.0 | 11.0 x11.0 | Existing | | |
| 4AP012 | L6 | D | Existing | 53.1 | 11.9 x11.9 | Existing | | |
| 4AP013 | L6 | D | Existing | 50.0 | 11.0 x11.0 | Existing | | |
| 4AP014 | L6 | D30 | Existing | 48.6 | 13.4 x13.4 | Existing | | |
| 4AP015 | L6 | D | Existing | 53.1 | 11.9 x 11.9 | Existing | | |
| 4AP016 | L6 | D | Existing | 59.2 | 13.8 x13.8 | Existing | | |
| 4AP017 | L6 | D | Existing | 56.1 | 12.8 x12.8 | Existing | | |
| 4AP018 | L6 | D | Existing | 59.2 | 13.8 x 13.8 | Existing | | |
| 4AP019 | L6 | D | Existing | 53.1 | 11.9 x11.9 | Existing | | |
| 4AP020 | L6 | D | Existing | 56.1 | 12.8 x12.8 | Existing | | |
| 4AP021 | L6 | D60 | Existing | 53.4 | 16.0 x16.0 | Existing | | |
| Section B | | | | | | | | |
| 4AP022 | L6 | D | Existing | 50.0 | 11.0 x11.0 | Existing | | |
| 4AP023 | L6 | D30 | Existing | 48.6 | 13.4 x13.4 | Existing | | |
| 4AP024 | L12 | D33 | New | 48.3 | 10.1 x 10.1 | Column/ pad | 1 | 4 |
| 4AP025 | L12 | D | New | 55.5 | 9.1 x 9.1 | Column/ pad | 0.6 | 1.44 |
| 4AP026 | L12 | D | New | 43.5 | 6.4 x 6.4 | Column/ pad | 0.6 | 1.44 |
| 4AP027 | L12 | D | New | 55.5 | 9.1 x 9.1 | Column/ pad | 0.6 | 1.44 |
| 4AP028 | L12 | D25 | New | 54.3 | 12.2 x 12.2 | Column/ pad | 1 | 4 |
| 4AP029 | L12 | D | New | 49.5 | 7.8 x 7.8 | Column/ pad | 0.6 | 1.44 |
| 4AP030 | L12 | D10 | New | 54.3 | 9.8 x 9.8 | Column/ pad | 1 | 4 |
| 4AP031 | L12 | D | New | 55.5 | 9.1 x 9.1 | Column/ pad | 0.6 | 1.44 |

| 4AP Option A | | | | | | | | |
|--------------|------|------------|----------------|------------|----------------|-----------------|------------------------------|-------------------------------------|
| Tower Number | Type | Pylon Type | New / Existing | Height (m) | Footprint (m) | Foundation Type | Column Size ¹ (m) | Area ² (m ²) |
| 4AP032 | L12 | D | New | 52.5 | 8.4 x 8.4 | Column/ pad | 0.6 | 1.44 |
| 4AP033 | L12 | D | New | 55.5 | 9.1 x 9.1 | Column/ pad | 0.6 | 1.44 |
| 4AP034 | L12 | D | New | 52.5 | 8.4 x 8.4 | Column/ pad | 0.6 | 1.44 |
| 4AP035 | L12 | D | New | 43.5 | 6.4 x 6.4 | Column/ pad | 0.6 | 1.44 |
| 4AP036 | L12 | D25 | New | 57.3 | 13.2 x 13.2 | Column/ pad | 1 | 4 |
| 4AP037 | L12 | D25 | New | 51.3 | 11.2 x 11.2 | Column/ pad | 1 | 4 |
| 4AP038 | L6 | D | Existing | 65.3 | 15.6 x 15.6 | Existing | | |
| Section C | | | | | | | | |
| 4AP039 | L6 | D30 | Existing | 57.7 | 17.8 x 17.8 | Existing | | |
| 4AP040 | L6 | D | Existing | 50.0 | 11.0 x 11.0 | Existing | | |
| 4AP041 | L12 | D25 | New | 54.3 | 12.2 x 12.2 | Column/ pad | 1 | 4 |
| 4AP042 | L12 | D | New | 49.5 | 7.8 x 7.8 | Column/ pad | 0.6 | 1.44 |
| 4AP043 | L12 | D33 | New | 57.3 | 13.2 x 13.2 | Column/ pad | 1 | 4 |
| 4AP044 | L12 | D | New | 61.5 | 10.5 x 10.5 | Column/ pad | 0.6 | 1.44 |
| 4AP045 | L12 | D | New | 58.5 | 9.8 x 9.8 | Column/ pad | 0.6 | 1.44 |
| 4AP046 | L12 | D55 | New | 54.8 | 14.5 x 14.5 | Column/ pad | 1 | 4 |
| 4AP047 | L12 | D | New | 49.5 | 7.8 x 7.8 | Column/ pad | 0.6 | 1.44 |
| 4AP048 | L12 | D25 | New | 51.3 | 11.2 x 11.2 | Bespoke | 1 | 4 |
| 4AP049 | L12 | D | New | 52.5 | 8.4 x 8.4 | Column/ pad | 0.6 | 1.44 |
| 4AP050 | L12 | D | New | 46.5 | 7.1 x 7.1 | Column/ pad | 0.6 | 1.44 |

| 4AP Option A | | | | | | | | |
|--------------|------|------------|----------------|------------|----------------|-----------------|------------------------------|-------------------------------------|
| Tower Number | Type | Pylon Type | New / Existing | Height (m) | Footprint (m) | Foundation Type | Column Size ¹ (m) | Area ² (m ²) |
| 4AP051 | L12 | D | New | 49.5 | 7.8 x 7.8 | Column/ pad | 0.6 | 1.44 |
| 4AP052 | L12 | D55 | New | 45.8 | 10.9 x 10.9 | Column/ pad | 1 | 4 |
| 4AP053 | L12 | D | New | 49.5 | 7.8 x 7.8 | Column/ pad | 0.6 | 1.44 |
| 4AP054 | L12 | D | New | 52.5 | 8.4 x 8.4 | Column/ pad | 0.6 | 1.44 |
| 4AP055 | L12 | D | New | 55.5 | 9.1 x 9.1 | Column/ pad | 0.6 | 1.44 |
| 4AP056 | L12 | D33 | New | 51.3 | 11.2 x 11.2 | Column/ pad | 1 | 4 |
| 4AP057 | L12 | D | New | 55.5 | 9.1 x 9.1 | Column/ pad | 0.6 | 1.44 |
| 4AP058 | L12 | D | New | 55.5 | 9.1 x 9.1 | Column/ pad | 0.6 | 1.44 |
| 4AP059 | L12 | D | New | 49.5 | 7.8 x 7.8 | Column/ pad | 0.6 | 1.44 |
| 4AP060 | L12 | D | New | 49.5 | 7.8 x 7.8 | Column/ pad | 0.6 | 1.44 |
| 4AP061 | L12 | D | New | 55.5 | 9.1 x 9.1 | Column/ pad | 0.6 | 1.44 |
| 4AP062 | L12 | D | New | 58.5 | 9.8 x 9.8 | Column/ pad | 0.6 | 1.44 |
| Section D | | | | | | | | |
| 4AP063 | L12 | D | New | 46.5 | 7.8 x 7.8 | Column/ pad | 0.6 | 1.44 |
| 4AP064 | L12 | D | New | 52.5 | 8.4 x 8.4 | Column/ pad | 0.6 | 1.44 |
| No 4AP065 | | | | | | | | |
| 4AP066 | L12 | D | New | 55.5 | 9.1 x 9.1 | Column/ pad | 0.6 | 1.44 |
| 4AP067 | L12 | D10 | New | 51.3 | 9.1 x 9.1 | Column/ pad | 1 | 4 |
| 4AP068 | L12 | D | New | 55.5 | 9.1 x 9.1 | Column/ pad | 0.6 | 1.44 |
| 4AP069 | L12 | D | New | 58.5 | 9.8 x 9.8 | Column/ pad | 0.6 | 1.44 |

| 4AP Option A | | | | | | | | |
|--------------|------|------------|----------------|------------|-----------------|-----------------|------------------------------|-------------------------------------|
| Tower Number | Type | Pylon Type | New / Existing | Height (m) | Footprint (m) | Foundation Type | Column Size ¹ (m) | Area ² (m ²) |
| 4AP070 | L12 | D | New | 52.5 | 8.4 x 8.4 | Column/ pad | 0.6 | 1.44 |
| 4AP071 | L12 | D | New | 46.5 | 7.1 x 7.1 | Column/ pad | 0.6 | 1.44 |
| 4AP072 | L12 | D | New | 52.5 | 8.4 x 8.4 | Column/ pad | 0.6 | 1.44 |
| 4AP073 | L12 | D | New | 52.5 | 8.4 x 8.4 | Column/ pad | 0.6 | 1.44 |
| Section E | | | | | | | | |
| 4AP074 | L12 | D10 | New | 45.3 | 7.5 x 7.5 | Column/ pad | 1 | 4 |
| 4AP075 | L12 | D25 | New | 51.3 | 11.2 x 1 1.2 | Column/ pad | 1 | 4 |
| 4AP076 | L12 | D | New | 52.5 | 8.4 x 8.4 | Column/ pad | 0.6 | 1.44 |
| 4AP077 | L12 | D10 | New | 48.3 | 8.3 x 8.3 | Column/ pad | 1 | 4 |
| 4AP078 | L12 | D | New | 49.5 | 7.7 x 7.7 | Column/ pad | 0.6 | 1.44 |
| 4AP079 | L12 | D33 | New | 45.3 | 9.1 x 9.1 | Column/ pad | 1 | 4 |
| 4AP080 | L12 | D | New | 46.5 | 7.1 x 7.1 | Column/ pad | 0.6 | 1.44 |
| 4AP081 | L12 | D | New | 52.5 | 8.4 x 8.4 | Column/ pad | 0.6 | 1.44 |
| 4AP082 | L12 | D33 | New | 48.3 | 10.1 x 10.1 | Column/ pad | 1 | 4 |
| 4AP083 | L12 | D33 | New | 48.3 | 10.1 x 10.1 | Column/ pad | 1 | 4 |
| 4AP084 | L12 | D10 | New | 48.3 | 8.3 x 8.3 | Column/ pad | 1 | 4 |

| 4AP Option A | | | | | | | | |
|-----------------------|------|------------|----------------|------------|------------------|-----------------|------------------------------|-------------------------------------|
| Tower Number | Type | Pylon Type | New / Existing | Height (m) | Footprint (m) | Foundation Type | Column Size ¹ (m) | Area ² (m ²) |
| 4AP085 | L12 | D30 | New | 41.4 | 9.5 x 9.5 | Column/ pad | 0.8 | 2.56 |
| 4AP086 | L12 | D30 | New | 38.4 | 8.5 x 8.5 | Column/ pad | 0.8 | 2.56 |
| Section F | | | | | | | | |
| 4AP087 | L12L | D30 | New | 41.4 | 9.5 x 9.5 | Column/ pad | 0.8 | 2.56 |
| Gantry Braint North | | | | 14.9 | 2 – 1.8 x 2.5 | Piled | | |
| Gantry Braint North | | | | 14.9 | 2 – 1.8 x 2.5 | Piled | | |
| Gantry Tŷ Fodol North | | | | 14.9 | 2 – 1.8 x 2.5 | Piled | | |
| Gantry Tŷ Fodol South | | | | 14.9 | 2 – 1.8 x 2.5 | Piled | | |
| 4AP088 | L12 | D30 | New | 35.4 | 7.6 x 7.6 | Column/ pad | 0.8 | 2.56 |
| 4AP089 | L12 | D10 | New | 48.3 | 8.3 x 8.3 | Column/ pad | 1 | 4 |
| 4AP090 | L12 | D | New | 55.5 | 9.1 x 9.1 | Column/ pad | 0.6 | 1.44 |
| 4AP091 | L12 | DT | New | 52.0 | 15.9 x 15.9 | Column/ pad | 1.25 | 6.25 |
| Gantry Pentir North | | | | 14.9 | 2 – 1.8 x 2.5 | Piled | | |
| Gantry | | | | 14.9 | 2 – 1.8 x | Piled | | |

| 4AP Option A | | | | | | | | |
|--------------|------|------------|----------------|------------|---------------|-----------------|------------------------------|-------------------------------------|
| Tower Number | Type | Pylon Type | New / Existing | Height (m) | Footprint (m) | Foundation Type | Column Size ¹ (m) | Area ² (m ²) |
| Pentir South | | | | | 2.5 | | | |

1.2 4AP OPTION B

| 4AP Option B | | | | | | | | |
|--------------|------|------------|----------------|------------|---------------|-----------------|------------------------------|-------------------------------------|
| Tower Number | Type | Pylon Type | New / Existing | Height (m) | Footprint (m) | Foundation Type | Column Size ³ (m) | Area ⁴ (m ²) |
| Section A | | | | | | | | |
| S/S Gantry | | | | | | | | |
| 4AP001 | L12 | DT | New | 46.0 | 13.0 x 13.0 | Column/pad | 1.25 | 6.25 |
| 4AP002 | L6 | D30 | Existing | 51.6 | 14.9 x 14.9 | Existing | | |
| 4AP003 | L6 | D | Existing | 56.1 | 12.8 x 12.8 | Existing | | |
| 4AP004 | L6 | D30 | Existing | 48.6 | 13.4 x 13.4 | Existing | | |
| 4AP005 | L6 | D | Existing | 56.1 | 12.8 x 12.8 | Existing | | |
| 4AP006 | L6 | D | Existing | 56.1 | 12.8 x 12.8 | Existing | | |
| 4AP007 | L6 | D | Existing | 56.1 | 12.8 x 12.8 | Existing | | |
| 4AP008 | L6 | D | Existing | 59.2 | 13.8 x 13.8 | Existing | | |
| 4AP009 | L6 | D | Existing | 56.1 | 12.8 x 12.8 | Existing | | |
| 4AP010 | L6 | D30 | Existing | 51.6 | 14.9 x 14.9 | Existing | | |
| 4AP011 | L6 | D | Existing | 50.0 | 11.0 x 11.0 | Existing | | |
| 4AP012 | L6 | D | Existing | 53.1 | 11.9 x 11.9 | Existing | | |

³ Column refers to the indicative size of one pylon leg above ground

⁴ Area refers to the indicative total land take per pylon (i.e four legs)

| 4AP Option B | | | | | | | | |
|--------------|------|------------|----------------|------------|---------------|-----------------|------------------------------|-------------------------------------|
| Tower Number | Type | Pylon Type | New / Existing | Height (m) | Footprint (m) | Foundation Type | Column Size ³ (m) | Area ⁴ (m ²) |
| 4AP013 | L6 | D | Existing | 50.0 | 11.0 x 11.0 | Existing | | |
| 4AP014 | L6 | D30 | Existing | 48.6 | 13.4 x 13.4 | Existing | | |
| 4AP015 | L6 | D | Existing | 53.1 | 11.9 x 11.9 | Existing | | |
| 4AP016 | L6 | D | Existing | 59.2 | 13.8 x 13.8 | Existing | | |
| 4AP017 | L6 | D | Existing | 56.1 | 12.8 x 12.8 | Existing | | |
| 4AP018 | L6 | D | Existing | 59.2 | 13.8 x 13.8 | Existing | | |
| 4AP019 | L6 | D | Existing | 53.1 | 11.9 x 11.9 | Existing | | |
| 4AP020 | L6 | D | Existing | 56.1 | 12.8 x 12.8 | Existing | | |
| 4AP021 | L6 | D60 | Existing | 53.4 | 16.0 x 16.0 | Existing | | |
| Section B | | | | | | | | |
| 4AP022 | L6 | D | Existing | 50.0 | 11.0 x 11.0 | Existing | | |
| 4AP023 | L6 | D30 | Existing | 48.6 | 13.4 x 13.4 | Existing | | |
| 4AP024 | L12 | D33 | New | 48.3 | 10.1 X 10.1 | Column/ pad | 1 | 4 |
| 4AP025 | L12 | D | New | 55.5 | 9.1 x 9.1 | Column/ pad | 0.6 | 1.44 |
| 4AP026 | L12 | D | New | 43.5 | 6.4 x 6.4 | Column/ pad | 0.6 | 1.44 |
| 4AP027 | L12 | D | New | 55.5 | 9.1 x 9.1 | Column/ pad | 0.6 | 1.44 |

| 4AP Option B | | | | | | | | |
|--------------|------|------------|----------------|------------|---------------|-----------------|------------------------------|-------------------------------------|
| Tower Number | Type | Pylon Type | New / Existing | Height (m) | Footprint (m) | Foundation Type | Column Size ³ (m) | Area ⁴ (m ²) |
| | | | | | | pad | | |
| 4AP028 | L12 | D25 | New | 54.3 | 12.2 x 12.2 | Column/ pad | 1 | 4 |
| 4AP029 | L12 | D | New | 49.5 | 7.8x 7.8 | Column/ pad | 0.6 | 1.44 |
| 4AP030 | L12 | D10 | New | 54.3 | 9.8 x 9.8 | Column/ pad | 1 | 4 |
| 4AP031 | L12 | D | New | 55.5 | 9.1 x 9.1 | Column/ pad | 0.6 | 1.44 |
| 4AP032 | L12 | D | New | 52.5 | 8.4 x 8.4 | Column/ pad | 0.6 | 1.44 |
| 4AP033 | L12 | D | New | 55.5 | 9.1 x 9.1 | Column/ pad | 0.6 | 1.44 |
| 4AP034 | L12 | D | New | 52.5 | 8.4 x 8.4 | Column/ pad | 0.6 | 1.44 |
| 4AP035 | L12 | D | New | 43.5 | 6.4 x 6.4 | Column/ pad | 0.6 | 1.44 |
| 4AP036 | L12 | D25 | New | 57.3 | 13.2 x 13.2 | Column/ pad | 1 | 4 |
| 4AP037 | L12 | D25 | New | 51.3 | 11.2 x 11.2 | Column/ pad | 1 | 4 |
| 4AP038 | L6 | D | Existing | 65.3 | 15.6 x 15.6 | Existing | | |
| Section C | | | | | | | | |
| 4AP039 | L6 | D30 | Existing | 57.7 | 17.8 x 17.8 | Existing | | |
| 4AP040 | L6 | D | Existing | 50.0 | 11.0 x 11.0 | Existing | | |
| 4AP041 | L12 | D25 | New | 54.3 | 12.2x12.2 | Column/ pad | 1 | 4 |

| 4AP Option B | | | | | | | | |
|--------------|------|------------|----------------|------------|----------------|-----------------|------------------------------|-------------------------------------|
| Tower Number | Type | Pylon Type | New / Existing | Height (m) | Footprint (m) | Foundation Type | Column Size ³ (m) | Area ⁴ (m ²) |
| | | | | | | pad | | |
| 4AP042 | L12 | D | New | 49.5 | 7.8 x 7.8 | Column/ pad | 0.6 | 1.44 |
| 4AP043 | L12 | D33 | New | 57.3 | 13.2 x 13.2 | Column/ pad | 1 | 4 |
| 4AP044 | L12 | D | New | 61.5 | 10.5 x 10.5 | Column/ pad | 1 | 4 |
| 4AP045 | L12 | D | New | 58.5 | 9.8 x 9.8 | Column/ pad | 0.6 | 1.44 |
| 4AP046 | L12 | D55 | New | 54.8 | 14.5 x 14.5 | Column/ pad | 1 | 4 |
| 4AP047 | L12 | D | New | 49.5 | 7.8 x 7.8 | Column/ pad | 0.6 | 1.44 |
| 4AP048 | L12 | D25 | New | 51.3 | 11.2 x 11.2 | Bespoke | 1 | 4 |
| 4AP049 | L12 | D | New | 52.5 | 8.4 x 8.4 | Column/ pad | 0.6 | 1.44 |
| 4AP050 | L12 | D | New | 46.5 | 7.1 x 7.1 | Column/ pad | 0.6 | 1.44 |
| 4AP051 | L12 | D | New | 49.5 | 7.8 x 7.8 | Column/ pad | 0.6 | 1.44 |
| 4AP052 | L12 | D55 | New | 45.8 | 10.9 x 10.9 | Column/ pad | 1 | 4 |
| 4AP053 | L12 | D | New | 49.5 | 7.8 x 7.8 | Column/ pad | 0.6 | 1.44 |
| 4AP054 | L12 | D | New | 52.5 | 8.4 x 8.4 | Column/ pad | 0.6 | 1.44 |
| 4AP055 | L12 | D | New | 55.5 | 9.1 x 9.1 | Column/ pad | 0.6 | 1.44 |

| 4AP Option B | | | | | | | | |
|--------------|------|------------|----------------|------------|---------------|-----------------|------------------------------|-------------------------------------|
| Tower Number | Type | Pylon Type | New / Existing | Height (m) | Footprint (m) | Foundation Type | Column Size ³ (m) | Area ⁴ (m ²) |
| | | | | | | pad | | |
| 4AP056 | L12 | D33 | New | 51.3 | 11.2 x 11.2 | Column/ pad | 1 | 4 |
| 4AP057 | L12 | D | New | 55.5 | 9.1 x 9.1 | Column/ pad | 0.6 | 1.44 |
| 4AP058 | L12 | D | New | 55.5 | 9.1 x 9.1 | Column/ pad | 0.6 | 1.44 |
| 4AP059 | L12 | D | New | 49.5 | 7.8 x 7.8 | Column/ pad | 0.6 | 1.44 |
| 4AP060 | L12 | D | New | 49.5 | 7.8 x 7.8 | Column/ pad | 0.6 | 1.44 |
| 4AP061 | L12 | D | New | 55.5 | 9.1 x 9.1 | Column/ pad | 0.6 | 1.44 |
| 4AP062 | L12 | D | New | 58.5 | 9.8 x 9.8 | Column/ pad | 0.6 | 1.44 |
| Section D | | | | | | | | |
| 4AP063 | L12 | D | New | 46.5 | 7.1 x 7.1 | Column/ pad | 0.6 | 1.44 |
| 4AP064 | L12 | D | New | 46.5 | 7.1 x 7.1 | Column/ pad | 0.6 | 1.44 |
| 4AP065 | L12 | D10 | New | 42.3 | 6.8 x 6.8 | Column/ pad | 1 | 4 |
| 4AP066 | L12 | D25 | New | 45.3 | 9.1 x 9.1 | Column/ pad | 1 | 4 |
| 4AP067 | L12 | D10 | New | 51.3 | 9.1 x 9.1 | Column/ pad | 1 | 4 |
| 4AP068 | L12 | D | New | 55.5 | 9.1 x 9.1 | Column/ pad | 0.6 | 1.44 |

| 4AP Option B | | | | | | | | |
|--------------|------|------------|----------------|------------|----------------|-----------------|------------------------------|-------------------------------------|
| Tower Number | Type | Pylon Type | New / Existing | Height (m) | Footprint (m) | Foundation Type | Column Size ³ (m) | Area ⁴ (m ²) |
| 4AP069 | L12 | D | New | 58.5 | 9.8 x 9.8 | Column/ pad | 0.6 | 1.44 |
| 4AP070 | L12 | D | New | 52.5 | 8.4 x 8.4 | Piled | 0.6 | 1.44 |
| 4AP071 | L12 | D | New | 46.5 | 7.1 x 7.1 | Column/ pad | 0.6 | 1.44 |
| 4AP072 | L12 | D | New | 52.5 | 8.4 x 8.4 | Column/ pad | 0.6 | 1.44 |
| 4AP073 | L12 | D | New | 52.5 | 8.4 x 8.4 | Column/ pad | 0.6 | 1.44 |
| Section E | | | | | | | | |
| 4AP074 | L12 | D10 | New | 45.3 | 7.5 x 7.5 | Column/ pad | 1 | 4 |
| 4AP075 | L12 | D25 | New | 51.3 | 11.2 x 11.2 | Column/ pad | 1 | 4 |
| 4AP076 | L12 | D | New | 52.5 | 8.4 x 8.4 | Column/ pad | 0.6 | 1.44 |
| 4AP077 | L12 | D10 | New | 48.3 | 8.3 x 8.3 | Column/ pad | 1 | 4 |
| 4AP078 | L12 | D | New | 49.5 | 7.8 x 7.8 | Column/ pad | 0.6 | 1.44 |
| 4AP079 | L12 | D33 | New | 45.3 | 9.1 x 9.1 | Column/ pad | 1 | 4 |
| 4AP080 | L12 | D | New | 46.5 | 7.1 x 7.1 | Column/ pad | 0.6 | 1.44 |
| 4AP081 | L12 | D | New | 52.5 | 8.4 x 8.4 | Column/ pad | 0.6 | 1.44 |
| 4AP082 | L12 | D33 | New | 48.3 | 10.1 x 10.1 | Column/ pad | 1 | 4 |

| 4AP Option B | | | | | | | | |
|-----------------------|------|------------|----------------|------------|---------------|-----------------|------------------------------|-------------------------------------|
| Tower Number | Type | Pylon Type | New / Existing | Height (m) | Footprint (m) | Foundation Type | Column Size ³ (m) | Area ⁴ (m ²) |
| 4AP083 | L12 | D33 | New | 48.3 | 10.1 x 10.1 | Column/ pad | 1 | 4 |
| 4AP084 | L12 | D10 | New | 48.3 | 8.3 x 8.3 | Column/ pad | 1 | 4 |
| 4AP085 | L12 | D30 | New | 41.4 | 9.5 x 9.5 | Column/ pad | 1 | 4 |
| 4AP086 | L12 | D30 | New | 38.4 | 8.5 x 8.5 | Column/ pad | 0.8 | 2.56 |
| Section F | | | | | | | | |
| 4AP087 | L12 | D30 | New | 41.4 | 9.5 x 9.5 | Column/ pad | 0.8 | 2.56 |
| Gantry Braint North | | | | 14.9 | 2 – 1.8 x 2.5 | Piled | | |
| Gantry Braint North | | | | 14.9 | 2 – 1.8 x 2.5 | Piled | | |
| Gantry Tŷ Fodol North | | | | 14.9 | 2 – 1.8 x 2.5 | Piled | | |
| Gantry Tŷ Fodol South | | | | 14.9 | 2 – 1.8 x 2.5 | Piled | | |
| 4AP088 | L12 | D30 | New | 35.4 | 7.6 x 7.6 | Column/ pad | 0.8 | 2.56 |
| 4AP089 | L12 | D10 | New | 48.3 | 8.3 x 8.3 | Column/ pad | 1 | 4 |
| 4AP090 | L12 | D | New | 55.5 | 9.1 x 9.1 | Column/ pad | 0.6 | 1.44 |
| 4AP091 | L12 | DT | New | 52.0 | 13.0 x | Column/ pad | 1.25 | 6.25 |

| 4AP Option B | | | | | | | | |
|---------------------|------|------------|----------------|------------|---------------|-----------------|------------------------------|-------------------------------------|
| Tower Number | Type | Pylon Type | New / Existing | Height (m) | Footprint (m) | Foundation Type | Column Size ³ (m) | Area ⁴ (m ²) |
| | | | | | 13.0 | pad | | |
| Gantry Pentir North | | | | 14.9 | 2 – 1.8 x 2.5 | Piled | | |
| Gantry Pentir South | | | | 14.9 | 2 – 1.8 x 2.5 | Piled | | |

1.3 4ZA ALIGNMENT (OPTIONS A&B)

| Proposed 4ZA Alignment | | | | | | | | |
|------------------------|------|------------|----------------|------------|---------------|-----------------|------------------------------|-------------------------------------|
| Tower Number | Type | Pylon Type | New / Existing | Height (m) | Footprint (m) | Foundation Type | Column Size ⁵ (m) | Area ⁶ (m ²) |
| Section A | | | | | | | | |
| S/S Gantry | | | | | | | | |
| 4ZA004 | L6 | DJT | Existing | 55.3 | 20.2 x 20.2 | Existing | | |
| 4ZA005 | L12 | D25 | New | 48.3 | 10.1 x 10.1 | Column/ pad | 1 | 4 |
| 4ZA006 | L12 | D | New | 46.5 | 7.1 x 7.1 | Column/ pad | 0.6 | 1.44 |
| 4ZA007 | L12 | D25 | New | 45.3 | 9.1 x 9.1 | Column/ pad | 1 | 4 |
| 4ZA008 | L12 | D10 | New | 48.3 | 8.3 x 8.3 | Piled | 1 | 4 |
| 4ZA009 | L12 | D | New | 52.5 | 8.4 x 8.4 | Column/ pad | 0.6 | 1.44 |
| 4ZA010 | L12 | D | New | 46.5 | 7.1 x 7.1 | Column/ pad | 0.6 | 1.44 |
| No 4ZA011 | | | | | | | | |
| 4ZA012 | L12 | D | New | 52.5 | 8.4 x 8.4 | Column/ pad | 0.6 | 1.44 |
| 4ZA013 | L12 | D | New | 49.5 | 7.8 x 7.8 | Column/ pad | 0.6 | 1.44 |
| 4ZA014 | L12 | D10 | New | 51.3 | 9.1 x 9.1 | Column/ pad | 1 | 4 |
| 4ZA015 | L12 | D | New | 49.5 | 7.8 x 7.8 | Column/ pad | 0.6 | 1.44 |

⁵ Column refers to the indicative size of one pylon leg above ground

⁶ Area refers to the indicative total land take per pylon (i.e four legs)

| Proposed 4ZA Alignment | | | | | | | | |
|------------------------|------|------------|----------------|------------|----------------|-----------------|------------------------------|-------------------------------------|
| Tower Number | Type | Pylon Type | New / Existing | Height (m) | Footprint (m) | Foundation Type | Column Size ⁵ (m) | Area ⁶ (m ²) |
| 4ZA016 | L12 | D | New | 52.5 | 8.4 x 8.4 | Column/ pad | 0.6 | 1.44 |
| 4ZA017 | L12 | D | New | 55.5 | 9.1 x 9.1 | Column/ pad | 0.6 | 1.44 |
| 4ZA018 | L12 | D25 | New | 51.3 | 11.2 x 11.2 | Column/ pad | 1 | 4 |
| 4ZA019 | L12 | D | New | 49.5 | 7.8 x 7.8 | Column/ pad | 0.6 | 1.44 |
| 4ZA020 | L12 | D | New | 52.5 | 8.4 x 8.4 | Column/ pad | 0.6 | 1.44 |
| 4ZA021 | L12 | D | New | 46.5 | 7.1 x 7.1 | Column/ pad | 0.6 | 1.44 |
| 4ZA022 | L12 | D | New | 49.5 | 7.8 x 7.8 | Column/ pad | 0.6 | 1.44 |
| 4ZA023 | L12 | D | New | 52.5 | 8.4 x 8.4 | Column/ pad | 0.6 | 1.44 |
| 4ZA024 | L12 | D | New | 52.5 | 8.4 x 8.4 | Column/ pad | 0.6 | 1.44 |
| 4ZA025 | L12 | D55 | New | 51.8 | 13.3 x 13.3 | Column/ pad | 1 | 4 |
| Section B | | | | | | | | |
| 4ZA026 | L12 | D | New | 46.5 | 7.1 x 7.1 | Column/ pad | 0.6 | 1.44 |
| 4ZA027 | L12 | D | New | 46.5 | 7.1 x 7.1 | Column/ pad | 0.6 | 1.44 |
| 4ZA028 | L12 | D33 | New | 45.3 | 9.1 x 9.1 | Column/ pad | 1 | 4 |
| 4ZA029 | L12 | D | New | 52.5 | 8.4 x 8.4 | Column/ pad | 0.6 | 1.44 |

| Proposed 4ZA Alignment | | | | | | | | |
|------------------------|------|------------|----------------|------------|----------------|-----------------|------------------------------|-------------------------------------|
| Tower Number | Type | Pylon Type | New / Existing | Height (m) | Footprint (m) | Foundation Type | Column Size ⁵ (m) | Area ⁶ (m ²) |
| | | | | | | pad | | |
| 4ZA030 | L12 | D | New | 43.5 | 6.4 x 6.4 | Column/ pad | 0.6 | 1.44 |
| 4ZA031 | L12 | D | New | 52.5 | 8.4 x 8.4 | Column/ pad | 0.6 | 1.44 |
| 4ZA032 | L12 | D25 | New | 57.3 | 13.2 x 13.2 | Column/ pad | 1 | 4 |
| 4ZA033 | L12 | D | New | 52.5 | 8.4 x 8.4 | Column/ pad | 0.6 | 1.44 |
| 4ZA034 | L12 | D25 | New | 51.3 | 11.2 x 11.2 | Column/ pad | 1 | 4 |
| 4ZA035 | L6 | D | Existing | 56.1 | 12.8 x 12.8 | Existing | | |
| 4ZA036 | L6 | D | Existing | 59.2 | 13.8 x 13.8 | Existing | | |
| 4ZA037 | L6 | D | Existing | 59.2 | 13.8 x 13.8 | Existing | | |
| 4ZA038 | L6 | D | Existing | 59.2 | 13.8 x 13.8 | Existing | | |
| 4ZA039 | L6 | D | Existing | 59.2 | 13.8 x 13.8 | Existing | | |
| 4ZA040 | L6 | D30 | Existing | 48.6 | 13.4 x 13.4 | Existing | | |
| 4ZA041 | L12 | D25 | New | 51.3 | 11.2 x 11.2 | Column/ pad | 1 | 4 |
| 4ZA042 | L12 | D | New | 58.5 | 9.8 x 9.8 | Column/ pad | 0.6 | 1.44 |
| Section C | | | | | | | | |
| 4ZA043 | L12 | D25 | New | 54.3 | 12.2 x | Column/ pad | 1 | 4 |

| Proposed 4ZA Alignment | | | | | | | | |
|------------------------|------|------------|----------------|------------|----------------|-----------------|------------------------------|-------------------------------------|
| Tower Number | Type | Pylon Type | New / Existing | Height (m) | Footprint (m) | Foundation Type | Column Size ⁵ (m) | Area ⁶ (m ²) |
| | | | | | 12.2 | pad | | |
| 4ZA044 | L12 | D | New | 49.5 | 7.8 x 7.8 | Column/ pad | 0.6 | 1.44 |
| 4ZA045 | L12 | D10 | New | 48.3 | 8.3 x 8.3 | Column/ pad | 1 | 4 |
| 4ZA046 | L12 | D | New | 52.5 | 8.4 x 8.4 | Column/ pad | 0.6 | 1.44 |
| 4ZA047 | L6 | D30 | Existing | 54.7 | 16.3 x 16.3 | Existing | | |
| 4ZA048 | L6 | D | Existing | 59.2 | 13.8 x 13.8 | Existing | | |
| 4ZA049 | L6 | D | Existing | 56.1 | 12.8 x 12.8 | Existing | | |
| 4ZA050 | L6 | D60 | Existing | 56.4 | 17.5 x 17.5 | Existing | | |
| 4ZA051 | L6 | D | Existing | 59.2 | 13.8 x 13.8 | Existing | | |
| 4ZA052 | L6 | D | Existing | 56.1 | 12.8 x 12.8 | Existing | | |
| 4ZA053 | L6 | D | Existing | 53.1 | 11.9 x 11.9 | Existing | | |
| 4ZA054 | L6 | D | Existing | 53.1 | 11.9 x 11.9 | Existing | | |
| 4ZA055 | L6 | D | Existing | 56.1 | 12.8 x 12.8 | Existing | | |
| 4ZA056 | L6 | D30 | Existing | 51.6 | 14.9 x 14.9 | Existing | | |
| 4ZA057 | L6 | D | Existing | 53.1 | 11.9 x 11.9 | Existing | | |
| 4ZA058 | L6 | D30 | Existing | 51.6 | 14.9 x | Existing | | |

| Proposed 4ZA Alignment | | | | | | | | |
|------------------------|------|------------|----------------|------------|---------------|-----------------|------------------------------|-------------------------------------|
| Tower Number | Type | Pylon Type | New / Existing | Height (m) | Footprint (m) | Foundation Type | Column Size ⁵ (m) | Area ⁶ (m ²) |
| | | | | | 14.9 | | | |
| 4ZA059 | L6 | D | Existing | 59.2 | 13.8 x 13.8 | Existing | | |
| 4ZA060 | L6 | D | Existing | 56.1 | 12.8 x 12.8 | Existing | | |
| 4ZA061 | L6 | D | Existing | 59.2 | 13.8 x 13.8 | Existing | | |
| 4ZA062 | L6 | D | Existing | 56.1 | 12.8 x 12.8 | Existing | | |
| Section D | | | | | | | | |
| 4ZA063 | L6 | D | Existing | 53.1 | 11.9 x 11.9 | Existing | | |
| 4ZA064 | L6 | D | Existing | 59.2 | 13.8 x 13.8 | Existing | | |
| 4ZA065 | L6 | D30 | Existing | 54.7 | 16.3 x 16.3 | Existing | | |
| 4ZA066 | L6 | D | Existing | 56.1 | 12.8 x 12.8 | Existing | | |
| 4ZA067 | L6 | D | Existing | 56.1 | 12.8 x 12.8 | Existing | | |
| 4ZA068 | L6 | D | Existing | 50.0 | 11.0 x 11.0 | Existing | | |
| 4ZA069 | L6 | D | Existing | 56.1 | 12.8 x 12.8 | Existing | | |
| 4ZA070 | L6 | D | Existing | 53.1 | 11.9 x 11.9 | Existing | | |
| 4ZA071 | L6 | D | Existing | 59.2 | 13.8 x 13.8 | Existing | | |
| 4ZA072 | L6 | D | Existing | 53.1 | 11.9 x 11.9 | Existing | | |
| 4ZA073 | L6 | D | Existing | 53.1 | 11.9 x | Existing | | |

| Proposed 4ZA Alignment | | | | | | | | |
|------------------------|------|------------|----------------|------------|---------------|-----------------|------------------------------|-------------------------------------|
| Tower Number | Type | Pylon Type | New / Existing | Height (m) | Footprint (m) | Foundation Type | Column Size ⁵ (m) | Area ⁶ (m ²) |
| | | | | | 11.9 | | | |
| 4ZA074 | L6 | D | Existing | 56.1 | 12.8 x 12.8 | Existing | | |
| Section E | | | | | | | | |
| 4ZA075 | L6 | D | Existing | 53.1 | 11.9 x 11.9 | Existing | | |
| 4ZA076 | L6 | D30 | Existing | 54.7 | 16.3 x 16.3 | Existing | | |
| 4ZA077 | L6 | D | Existing | 56.1 | 12.8 x 12.8 | Existing | | |
| 4ZA078 | L6 | D60 | Existing | 53.4 | 16.0 x 16.0 | Existing | | |
| 4ZA079 | L6 | D | Existing | 53.1 | 11.9 x 11.9 | Existing | | |
| 4ZA080 | L6 | D | Existing | 53.1 | 11.9 x 11.9 | Existing | | |
| 4ZA081 | L6 | D | Existing | 50.0 | 11.0 x 11.0 | Existing | | |
| 4ZA082 | L6 | D | Existing | 53.1 | 11.9 x 11.9 | Existing | | |
| 4ZA083 | L6 | D | Existing | 50.0 | 11.0 x 11.0 | Existing | | |
| 4ZA084 | L6 | D60 | Existing | 50.3 | 14.5 x 14.5 | Existing | | |
| 4ZA085 | L6 | D | Existing | 50.0 | 11.0 x 11.0 | Existing | | |
| 4ZA086 | L6 | D | Existing | 56.1 | 12.8 x 12.8 | Existing | | |
| 4ZA087 | L6 | D | Existing | 53.1 | 11.9 x 11.9 | Existing | | |
| 4ZA088 | L6 | D | Existing | 59.2 | 13.8 x | Existing | | |

| Proposed 4ZA Alignment | | | | | | | | |
|------------------------|------|------------|----------------|------------|---------------|-----------------|------------------------------|-------------------------------------|
| Tower Number | Type | Pylon Type | New / Existing | Height (m) | Footprint (m) | Foundation Type | Column Size ⁵ (m) | Area ⁶ (m ²) |
| | | | | | 13.8 | | | |
| 4ZA089 | L6 | D60 | Existing | 53.4 | 16.0 x 16.0 | Existing | | |
| 4ZA090 | L6 | D | Existing | 53.1 | 11.9 x 11.9 | Existing | | |
| 4ZA091 | L6 | D30 | Existing | 54.7 | 16.3 x 16.3 | Existing | | |
| 4ZA092 | L6 | D30 | Existing | 54.7 | 16.3 x 16.3 | Existing | | |
| 4ZA093 | L6 | D30 | Existing | 57.7 | 18.7 x 17.8 | Existing | | |
| 4ZA094 | L6 | D60 | Existing | 44.2 | 11.5 x 11.5 | Existing | | |
| 4ZA095 | L6 | D | Existing | 62.2 | 14.7 x 14.7 | Existing | | |
| 4ZA096 | L6 | D | Existing | 62.2 | 14.7 x 14.7 | Existing | | |
| 4ZA097 | L6 | D30 | Existing | 48.6 | 13.4 x 13.4 | Existing | | |
| 4ZA098 | L6 | D | Existing | 53.1 | 11.9 x 11.9 | Existing | | |
| 4ZA099 | L6 | D | Existing | 53.1 | 11.9 x 11.9 | Existing | | |
| 4ZA100 | L6 | D | Existing | 56.1 | 12.8 x 12.8 | Existing | | |
| 4ZA101 | L6 | D | Existing | 50.0 | 11.0 x 11.0 | Existing | | |
| 4ZA102 | L6 | D | Existing | 59.2 | 13.8 x 13.8 | Existing | | |
| 4ZA103 | L6 | D30 | Existing | 45.5 | 12.0 x 12.0 | Existing | | |

| Proposed 4ZA Alignment | | | | | | | | |
|------------------------|------|------------|----------------|------------|---------------|-----------------|------------------------------|-------------------------------------|
| Tower Number | Type | Pylon Type | New / Existing | Height (m) | Footprint (m) | Foundation Type | Column Size ⁵ (m) | Area ⁶ (m ²) |
| 4ZA104 | L6 | D30 | Existing | 51.6 | 14.9 x 14.9 | Existing | | |
| 4ZA105 | L6 | D | Existing | 50.0 | 11.0 x 11.0 | Existing | | |
| 4ZA106 | L6 | D | Existing | 47.0 | 10.0 x 10.0 | Existing | | |
| 4ZA107 | L6 | D | Existing | 43.9 | 9.1 x 9.1 | Existing | | |
| 4ZA108 | L6 | D | Existing | 47.0 | 10.0 x 10.0 | Existing | | |
| 4ZA109 | L6 | DJT | Existing | 46.1 | 14.6 x 14.6 | Existing | | |

1.4 4ZB ALIGNMENT

| Proposed 4ZB Alignment | | | | | | | | |
|------------------------|------|------------|----------------|------------|---------------|-----------------|------------------------------|-------------------------------------|
| Tower Number | Type | Pylon Type | New / Existing | Height (m) | Footprint (m) | Foundation Type | Column Size ⁷ (m) | Area ⁸ (m ²) |
| Section F | | | | | | | | |
| S/S Gantry | | | | | | | | |
| 4ZB001A | L6 | STD | New | 45.4 | 12.4 | Column/ pad | 0.6 | 1.44 |
| 4ZB001 | L6 | DJT | Existing | 44.2 | 11.9 | Existing | | |
| 4ZB002 | L6 | D | Existing | 46.9 | 8.3 | Existing | | |
| 4ZB003 | L6 | D | Existing | 49.9 | 9.1 | Existing | | |

⁷ Column refers to the indicative size of one pylon leg above ground

⁸ Area refers to the indicative total land take per pylon (i.e four legs)

1.5 PROPOSED TEMPORARY ALIGNMENT

| Proposed Temporary Alignment | | | | | | | | |
|------------------------------|------|------------|---------------|------------|---------------|------------------|------------------------------|--------------------------------------|
| Tower Number | Type | Pylon Type | New/ Existing | Height (m) | Footprint (m) | Foundation Type* | Column Size ⁹ (m) | Area ¹⁰ (m ²) |
| 4ZA028 | L6 | D | Existing | 53.1 | 11.9 x 11.9 | Existing | | |
| 4ZA030T | L6 | D | New | 45.2 | 12.4 x 12.4 | Column/ pad | 0.6 | 1.44 |
| 4ZA031 | L12 | D | New | 52.5 | 8.4 x 8.4 | Column/ pad | 0.6 | 1.44 |
| 4ZA032 | L12 | D25 | New | 57.3 | 13.2 x 13.2 | Column/ pad | 1 | 4 |
| 4ZA033 | L12 | D | New | 52.5 | 8.4 x 8.4 | Column/ pad | 0.6 | 1.44 |
| 4ZA034T | L6 | D | New | 45.2 | 12.4 x 12.4 | Column/ pad | 0.6 | 1.44 |
| 4ZA035 | L6 | D | Existing | 59.2 | 12.8 x 12.8 | Existing | | |

⁹ Column refers to the indicative size of one pylon leg above ground

¹⁰ Area refers to the indicative total land take per pylon (i.e four legs)