

# M5 Junction 10 Improvements Scheme

## Environmental Statement Appendix 7.3 Bat Survey

Part 2 of 2

TR010063 – APP 6.15

Regulation 5 (2) (a)

Planning Act 2008

Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009

Volume 6  
December 2023



Gloucestershire  
COUNTY COUNCIL

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# Infrastructure Planning Planning Act 2008

## The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009

### M5 Junction 10 Improvements Scheme Development Consent Order 202[x]

#### 6.15 Environmental Statement:

#### Appendix 7.3 Bat Survey – Part 2 of 2

|   |   |
|---|---|
| <b>Regulation Number:</b>                     | Regulation 5(2)(a)                              |
| <b>Planning Inspectorate Scheme Reference</b> | TR010063  |
| <b>Application Document Reference</b>         | TR010063/APP/6.15                               |
| <b>Author:</b>                                | M5 Junction 10 Improvements Scheme Project Team |

| <b>Version</b> | <b>Date</b>   | <b>Status of Version</b> |
|----------------|---------------|--------------------------|
| Rev 0          | December 2023 | DCO Application          |
|                |               |                          |
|                |               |                          |
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|                |               |                          |

# Contents

Appendix G – Figures

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# Appendices



## Appendix G. Figures

| Figure reference | Document title  | Sheet   | Document number                  | Revision |
|------------------|---|---------|----------------------------------|----------|
| 7-3 N            | Crossing point survey locations from 2020 and 2021  | 1 of 3  | GCCM5J10-ATK-EBD-ZZ-GS-GI-000009 | 0        |
| 7-3 N            | Crossing point survey locations from 2020 and 2021  | 2 of 3  | GCCM5J10-ATK-EBD-ZZ-GS-GI-000009 | 0        |
| 7-3 N            | Crossing point survey locations from 2020 and 2021  | 3 of 3  | GCCM5J10-ATK-EBD-ZZ-GS-GI-000009 | 0        |
| 7-3 O            | Crossing point survey locations from 2020 and 2021 - Crossing point location 1  | 1 of 10 | GCCM5J10-ATK-EBD-ZZ-GS-GI-000073 | 0        |
| 7-3 O            | Crossing point survey locations from 2020 and 2021 - Crossing point location 2 (2020 surveys and 1-4 of 2021 surveys) | 2 of 10 | GCCM5J10-ATK-EBD-ZZ-GS-GI-000073 | 0        |
| 7-3 O            | Crossing point survey locations from 2020 and 2021 - Crossing point location 2 (surveys 5-6, 2021)                    | 3 of 10 | GCCM5J10-ATK-EBD-ZZ-GS-GI-000073 | 0        |
| 7-3 O            | Crossing point survey locations from 2020 and 2021 - Crossing point location 3  | 4 of 10 | GCCM5J10-ATK-EBD-ZZ-GS-GI-000073 | 0        |
| 7-3 O            | Crossing point survey locations from 2020 and 2021 - Crossing point location 4  | 5 of 10 | GCCM5J10-ATK-EBD-ZZ-GS-GI-000073 | 0        |
| 7-3 O            | Crossing point survey locations from 2020 and 2021 - Crossing point location 5 (surveys 1-4, 2021)                    | 6 of 10 | GCCM5J10-ATK-EBD-ZZ-GS-GI-000073 | 0        |
| 7-3 O            | Crossing point survey locations from 2020 and 2021 - Crossing point location 5 (surveys 5-6, 2021)                    | 7 of 10 | GCCM5J10-ATK-EBD-ZZ-GS-GI-000073 | 0        |
| 7-3 O            | Crossing point survey locations from 2020 and 2021 - Crossing point location 6 and 7                                  | 8 of 10 | GCCM5J10-ATK-EBD-ZZ-GS-GI-000073 | 0        |

| Figure reference | Document title   | Sheet    | Document number                  | Revision |
|------------------|--|----------|----------------------------------|----------|
| 7-3 O            | Crossing point survey locations from 2020 and 2021 - Crossing point location 8 | 9 of 10  | GCCM5J10-ATK-EBD-ZZ-GS-GI-000073 | 0        |
| 7-3 O            | Crossing point survey locations from 2020 and 2021 - Crossing point location 9 | 10 of 10 | GCCM5J10-ATK-EBD-ZZ-GS-GI-000073 | 0        |
| 7-3 P            | ALBST, trapping locations  | 1 of 1   | GCCM5J10-ATK-EBD-ZZ-GS-GI-000063 | 0        |
| 7-3 Q            | ALBST, bat 1   | 1 of 1   | GCCM5J10-ATK-EBD-ZZ-GS-GI-000064 | 0        |
| 7-3 R            | ALBST, bat 2   | 1 of 1   | GCCM5J10-ATK-EBD-ZZ-GS-GI-000065 | 0        |
| 7-3 S            | ALBST, bat 3   | 1 of 1   | GCCM5J10-ATK-EBD-ZZ-GS-GI-000066 | 0        |
| 7-3 T            | ALBST, bat 5   | 1 of 1   | GCCM5J10-ATK-EBD-ZZ-GS-GI-000067 | 0        |



**Crossing Point Location 9**  
(West of M5 Junction 10, on the A4019)

Continued on Page 3

Continued on Page 2

**Crossing Point Location 8**  
(East of M5 Junction 10, on the A4019)

**Crossing Point Location 2**  
(A4019 - New Link Road Intersection)

| SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION  |      |
|---|------|
| In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made in the design hazard log) |      |
| Construction  | None |
| Maintenance / Cleaning  | None |
| Use   | None |
| Decommission / Demolition   | None |

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- LEGEND**
- SCHEME ALIGNMENT
  - ↔ CROSSING POINT DIRECTION
  - ▭ ADJACENT MAP SHEETS

| Description |          |       |         |          |            |            | Drawing Suitability  | Status         | Project Title   |               |          |
|-------------|----------|-------|---------|----------|------------|------------|--|----------------|---|---------------|----------|
| Status      | Revision | Drawn | Checked | Reviewed | Authorised | Issue Date | <b>PUBLISHED</b>   | <b>A1</b>      | M5 Junction 10 Improvements Scheme  |               |          |
| Description |          |       |         |          |            |            | <p>5th Floor, Block 5<br/>Shire Hall<br/>Bearland<br/>Gloucester<br/>GL1 2TH<br/>Tel: 08000 514 514<br/>www.atkinsglobal.com</p> |                | <b>FIGURE 7-3N</b><br><b>CROSSING POINT SURVEY</b><br><b>LOCATIONS FROM 2020 &amp; 2021</b> |               |          |
| Status      | Revision | Drawn | Checked | Reviewed | Authorised | Issue Date |  |                |   |               |          |
| Description |          |       |         |          |            |            |  |                |   |               |          |
| Status      | Revision | Drawn | Checked | Reviewed | Authorised | Issue Date |  |                |   |               |          |
| Description |          |       |         |          |            |            | Client   |                | Drawing Number  |               |          |
| Status      | Revision | Drawn | Checked | Reviewed | Authorised | Issue Date |  |                | Project<br>GCCM5J10 - ATK - EBD   |               |          |
| Description |          |       |         |          |            |            |  |                | Originator<br>ZZ - GS - GI - 000009   |               |          |
| Status      | Revision | Drawn | Checked | Reviewed | Authorised | Issue Date |  |                | Volume  |               |          |
| A1          | P02      | SD    | LH      | CC       | TT         | 19/06/23   |  |                | Number  |               |          |
| Description |          |       |         |          |            |            |  |                | Sheet   |               |          |
| Description |          |       |         |          |            |            |  |                | 1 of 3  |               |          |
| Description |          |       |         |          |            |            |  |                | Rev:  |               |          |
| Description |          |       |         |          |            |            |  |                | P02   |               |          |
| Description |          |       |         |          |            |            | Original Size: A3  | Scale: 1:7,500 | Project Ref: 5214106  | Sheet: 1 of 3 | Rev: P02 |





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| Construction  | None |
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| Use   | None |
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| Description |  | Drawing Suitability   | Status | Project Title   |
| PUBLISHED   |  | PUBLISHED   | A1     | M5 Junction 10 Improvements Scheme  |
| Description |  | <br>5th Floor, Block 5<br>Shire Hall<br>Bearland<br>Gloucester<br>GL1 2TH<br>Tel: 08000 514 514<br>www.atkinsglobal.com |        | Drawing Title   |
| Description |  | <br>Gloucestershire<br>COUNTY COUNCIL   |        | Drawing Number<br>Project: GCCM5J10 - ATK - EBD<br>Originator: ZZ - GS - GI - 000009<br>Volume: |
| Description |  | Client: Gloucestershire County Council  |        | Original Size: A3<br>Scale: 1:7,500<br>Project Ref: 5214106<br>Sheet: 2 of 3<br>Rev: P02        |



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- ADJACENT MAP SHEETS

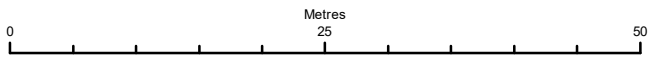
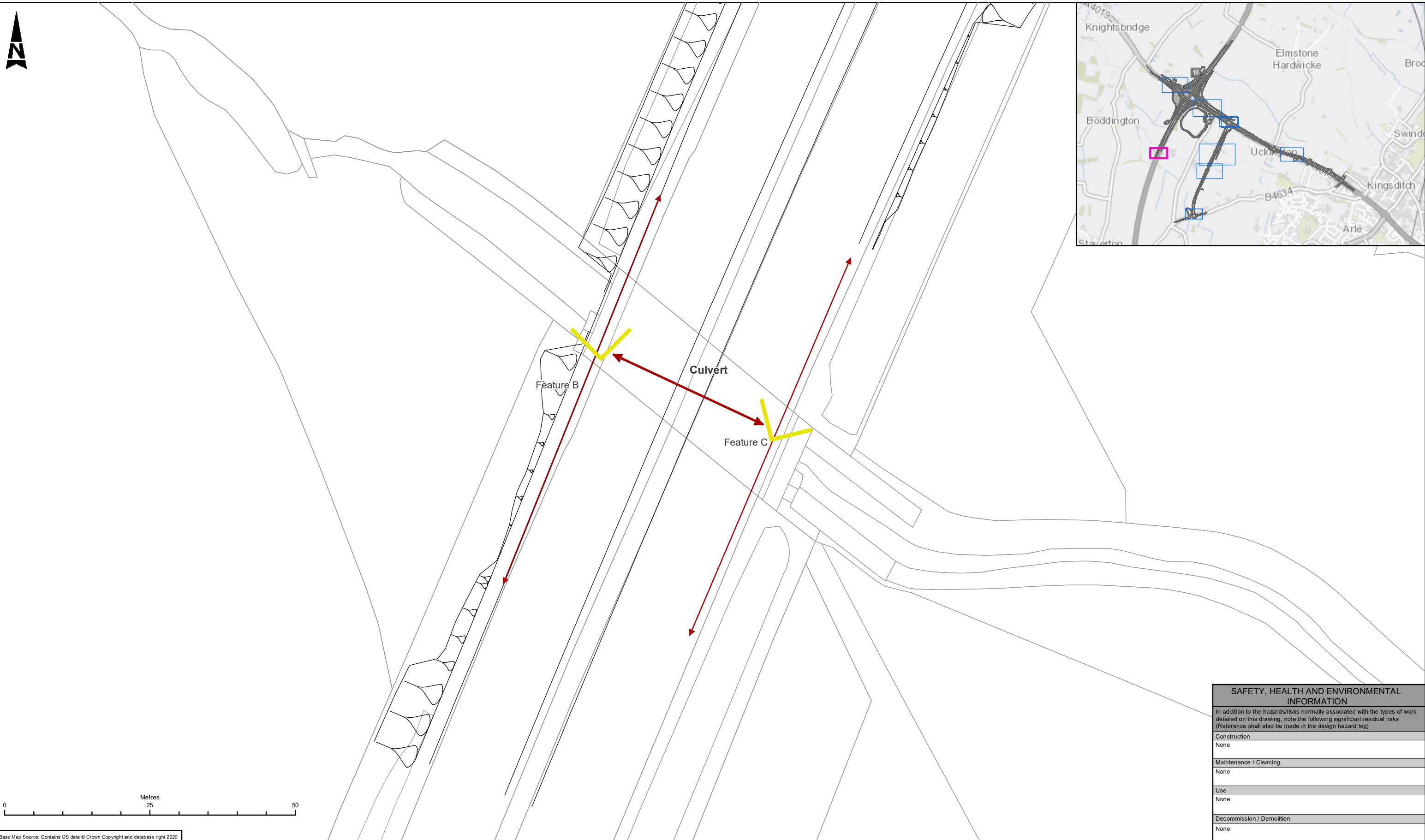
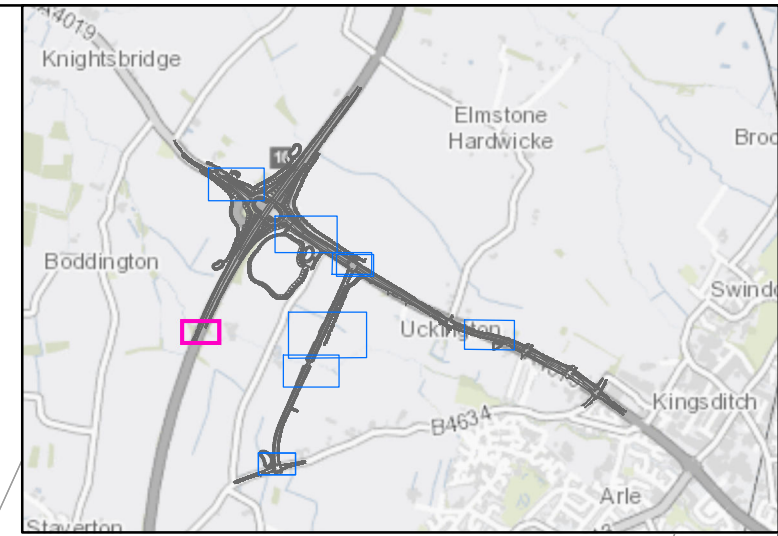
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| Construction  | None |
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| Use   | None |
| Decommission / Demolition   | None |

|                      |            |  |        |
|----------------------|------------|--|--------|
| Project Title        |            | M5 Junction 10 Improvements Scheme                                 |        |
| Drawing Title        |            | FIGURE 7-3N<br>CROSSING POINT SURVEY<br>LOCATIONS FROM 2020 & 2021 |        |
| Project              | Originator | Volume   |        |
| GCCM5J10 - ATK - EBD |            | ZZ - GS - GI - 000009  |        |
| Location             | Type       | Role   | Number |
| A3                   | 1:7,500    | 5214106  | 3 of 3 |
| Original Size:       | Scale      | Project Ref:   | Sheet  |
| A3                   | 1:7,500    | 5214106  | 3 of 3 |
| Rev:                 | P02        |  |        |



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| Use   | None |
| Decommission / Demolition   | None |

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| — SCHEME ALIGNMENT       |  |  |  |  |  |  |  |
| ↔ CROSSING POINT FEATURE |  |  |  |  |  |  |  |
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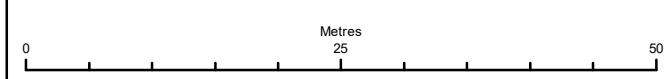
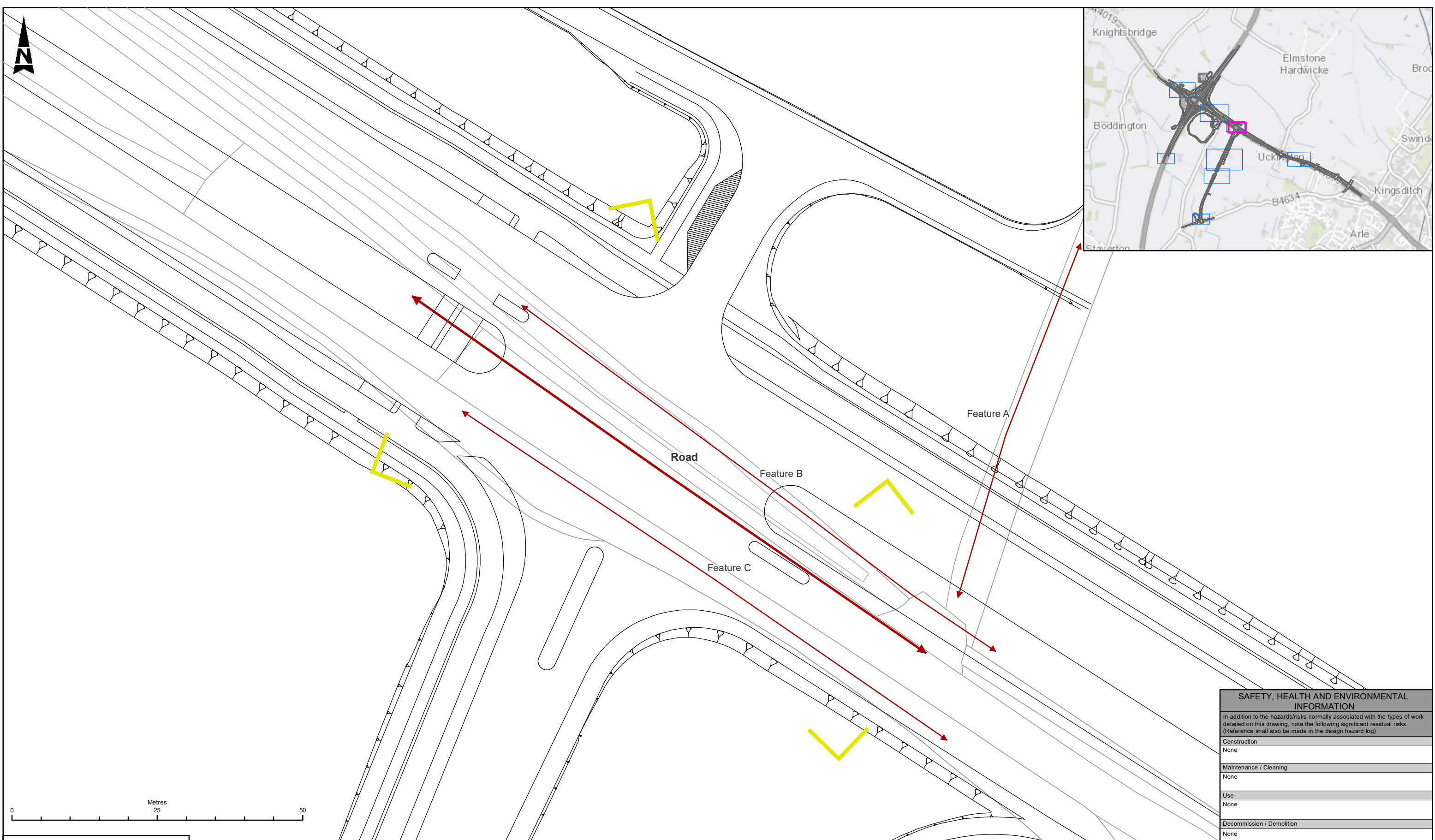
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| Project Title     |              | M5 Junction 10 Improvements Scheme  |                         |
| Drawing Title     |              | FIGURE 7-30<br>CROSSING POINT SURVEYOR LOCATIONS<br>FROM 2020 AND 2021<br>CROSSING POINT LOCATION 1 |                         |
| Drawing Number    |              | GCCM5J10 - ATK - EBD<br>ZZ - GS - GI - 000073   |                         |
| Original Size: A3 | Scale: 1:600 | Project Ref: 5214106  | Sheet: 1 of 10 Rev: P01 |



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| Maintenance / Cleaning  | None |
| Use   | None |
| Decommission / Demolition   | None |

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| ◀ SURVEYOR VIEW          |  |  |  |  |  |  |  |

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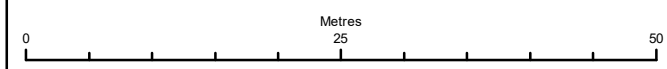
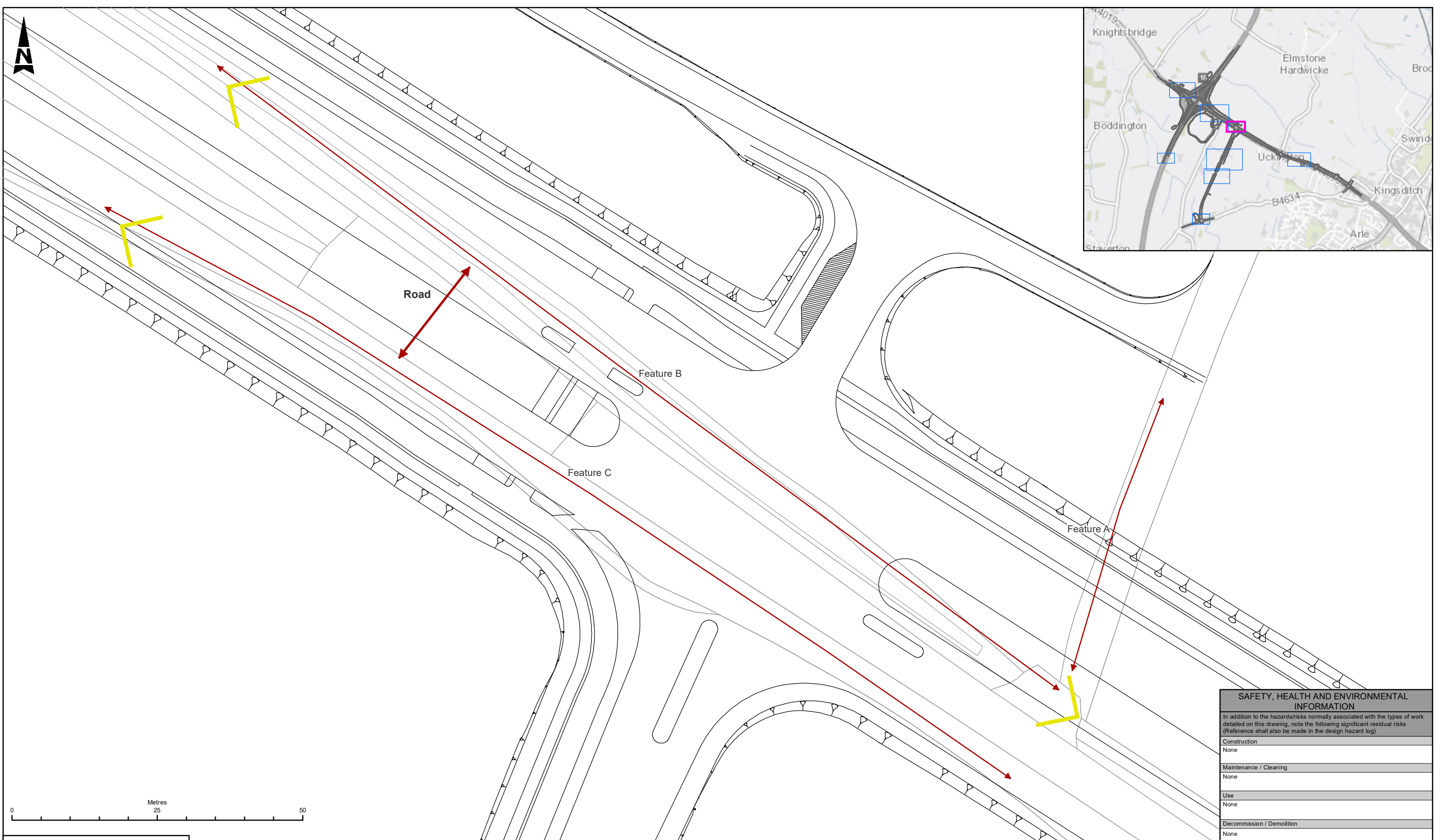
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| Drawing Title        |                       | FIGURE 7-30<br>CROSSING POINT SURVEYOR LOCATIONS<br>FROM 2020 AND 2021<br>CROSSING POINT LOCATION 2<br>(2020 SURVEYS AND 1-4 OF 2021 SURVEYS) |         |
| Project              | Originator            | Volume  |         |
| GCCM5J10 - ATK - EBD | ZZ - GS - GI - 000073 |   |         |
| Location             | Type                  | Role  | Number  |
| A3                   | 1:600                 | 5214106   | 2 of 10 |
| Original Size:       | Scale                 | Project Ref:  | Sheet   |
| A3                   | 1:600                 | 5214106   | 2 of 10 |
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| Construction  | None |
| Maintenance / Cleaning  | None |
| Use   | None |
| Decommission / Demolition   | None |

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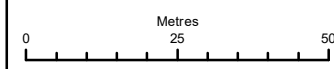
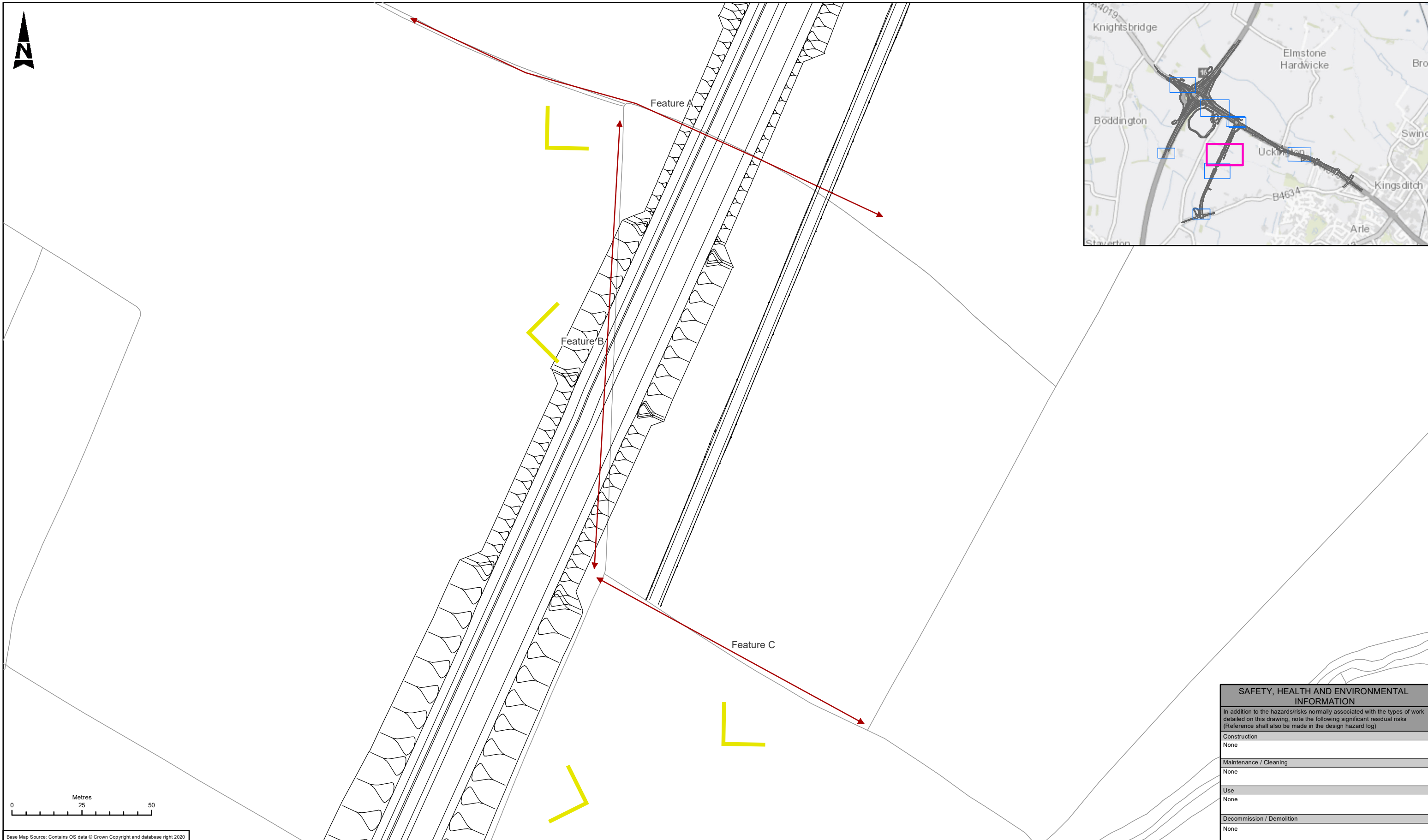
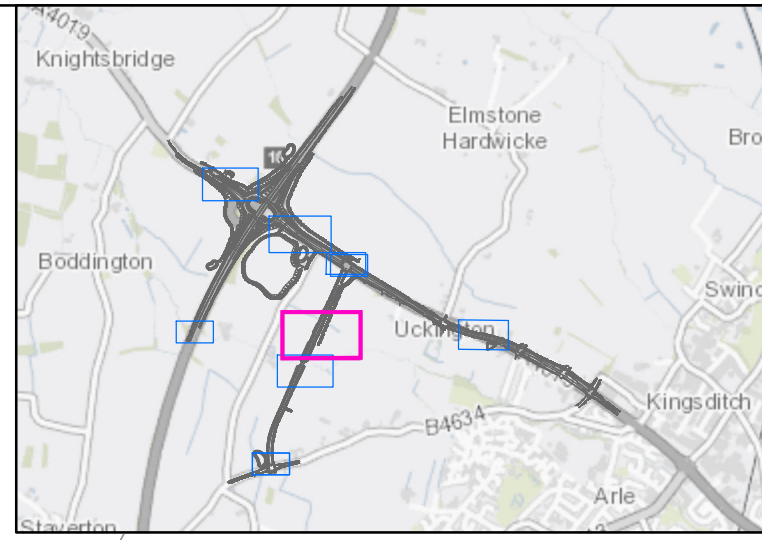
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| Project Title     |              | M5 Junction 10 Improvements Scheme   |                            |
| Drawing Title     |              | FIGURE 7-30<br>CROSSING POINT SURVEYOR LOCATIONS<br>FROM 2020 AND 2021<br>CROSSING POINT LOCATION 2<br>(SURVEYS 5-6, 2021) |                            |
| Drawing Number    |              | GCCM5J10 - ATK - EBD<br>ZZ - GS - GI - 000073  |                            |
| Original Size: A3 | Scale: 1:600 | Project Ref: 5214106   | Sheet: 3 of 10<br>Rev: P01 |



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| Maintenance / Cleaning  | None |
| Use   | None |
| Decommission / Demolition   | None |

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|        | SCHEME ALIGNMENT       |
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|        | SURVEYOR VIEW          |

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|             |        |          |       |         |          |            |            |
|             |        |          |       |         |          |            |            |
|             |        |          |       |         |          |            |            |
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Status: **A1**

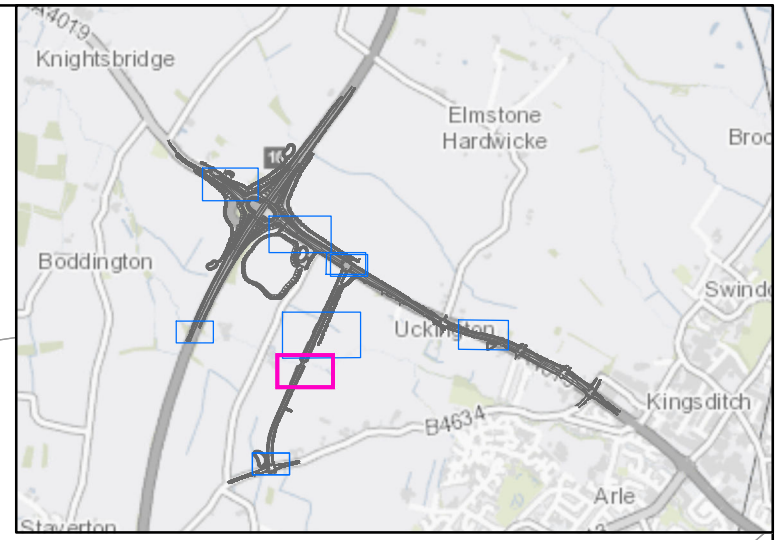
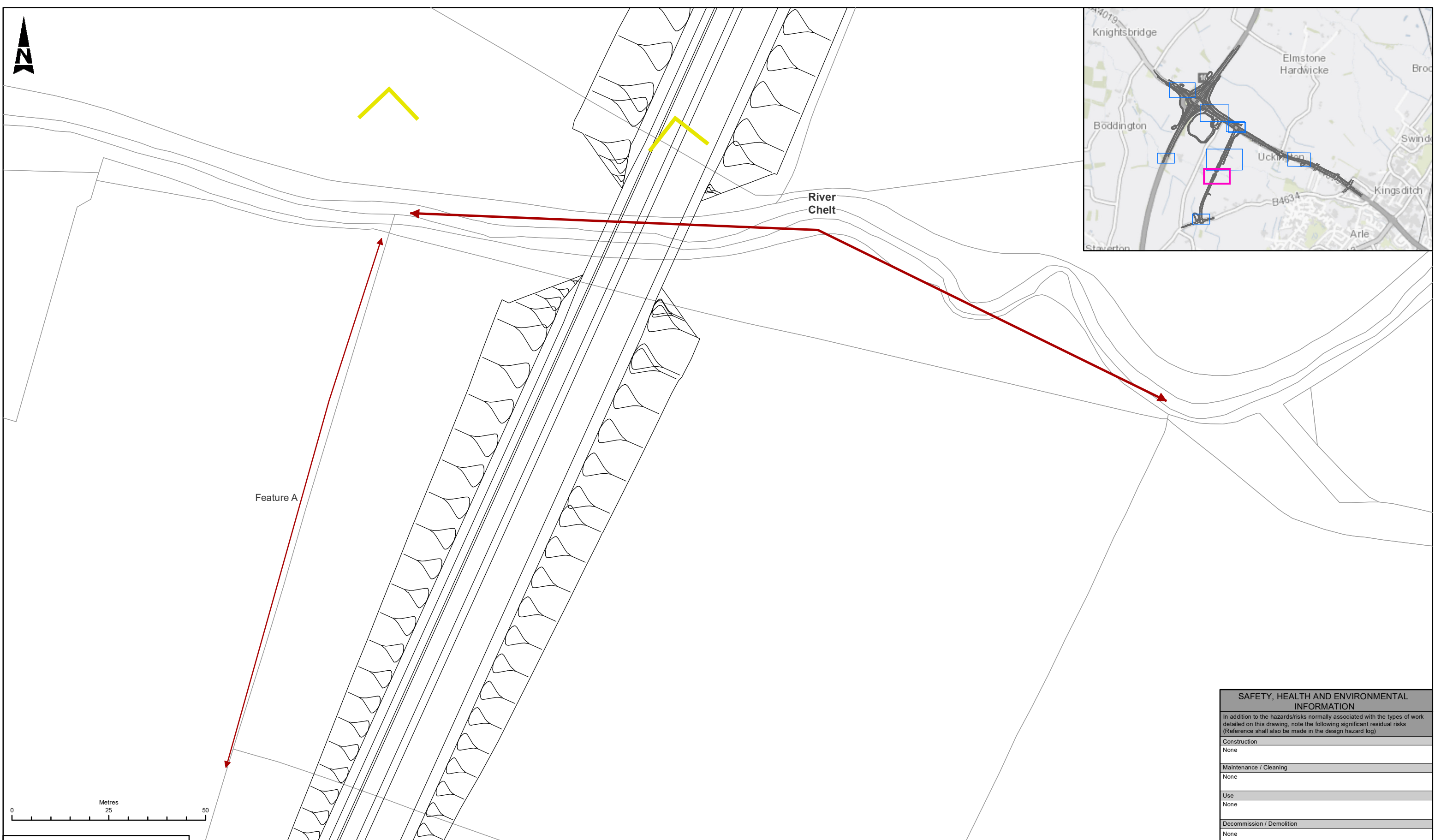
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| Project Title     |                | M5 Junction 10 Improvements Scheme  |                            |
| Drawing Title     |                | FIGURE 7-30<br>CROSSING POINT SURVEYOR LOCATIONS<br>FROM 2020 AND 2021<br>CROSSING POINT LOCATION 3 |                            |
| Drawing Number    |                | Project: GCCM5J10 - ATK - EBD<br>Originator: ZZ - GS - GI - 000073<br>Volume: ZZ - GS - GI - 000073 |                            |
| Original Size: A3 | Scale: 1:1,250 | Project Ref: 5214106  | Sheet: 4 of 10<br>Rev: P01 |



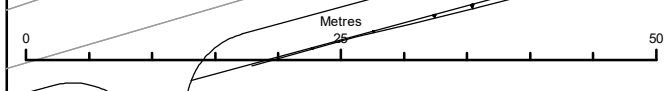
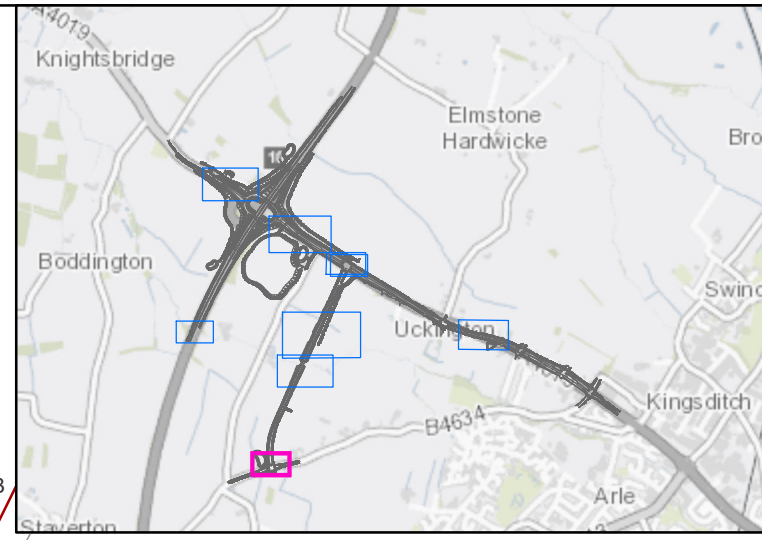
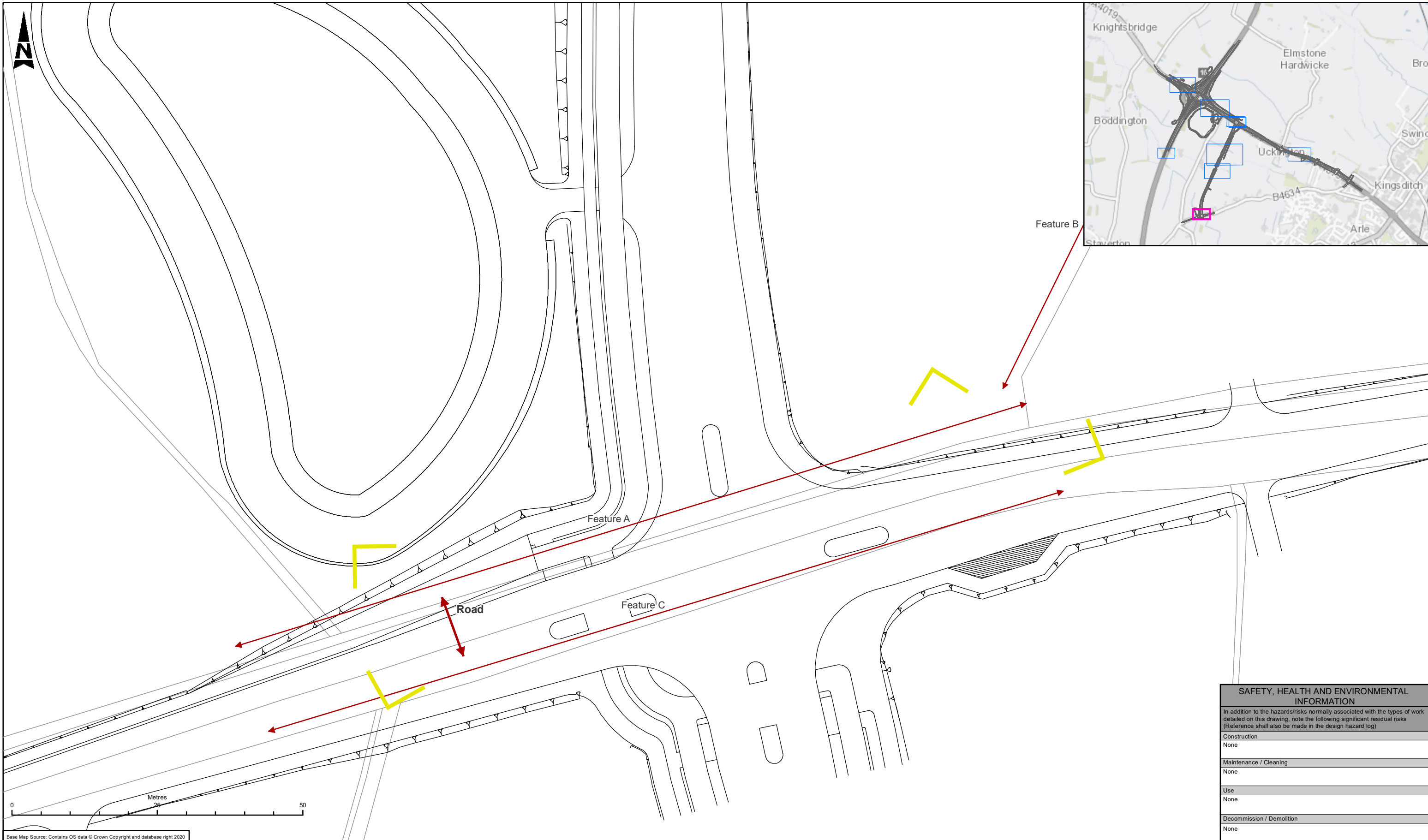
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**LEGEND**

- SCHEME ALIGNMENT
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- SURVEYOR VIEW

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| Construction  | None |
| Maintenance / Cleaning  | None |
| Use   | None |
| Decommission / Demolition   | None |

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|-------------------|----------|-----------------------------------|---------|----------------------|------------|--|---------------------------------|
| Description       |          | Drawing Suitability               |         | Status               |            | Project Title                            |                                 |
| Status            | Revision | Drawn                             | Checked | Reviewed             | Authorised | Issue Date                               | <b>PUBLISHED</b>                |
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| Status            | Revision | Drawn                             | Checked | Reviewed             | Authorised | Issue Date                               | Member of the SNC-Lavalin Group |
| Description       |          | 5th Floor, Block 5                |         | Shire Hall           |            | Drawing Title                            |                                 |
| Status            | Revision | Drawn                             | Checked | Reviewed             | Authorised | Issue Date                               | <b>FIGURE 7-30</b>              |
| Description       |          | Bearland                          |         | Gloucester           |            | <b>CROSSING POINT SURVEYOR LOCATIONS</b> |                                 |
| Status            | Revision | Drawn                             | Checked | Reviewed             | Authorised | Issue Date                               | <b>FROM 2020 AND 2021</b>       |
| Description       |          | Tel: 08000 514 514                |         | www.atkinsglobal.com |            | <b>CROSSING POINT LOCATION 4</b>         |                                 |
| Description       |          | Copyright © Atkins Limited (2022) |         | Client               |            | Drawing Number                           |                                 |
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| Description       |          | Gloucestershire                   |         | County Council       |            | Originator                               |                                 |
| Status            | Revision | Drawn                             | Checked | Reviewed             | Authorised | Issue Date                               | Volume                          |
| A1                | P01      | SD                                | LH      | CC                   | TT         | 23/08/23                                 | GCCM5J10 - ATK - EBD            |
| Original Size: A3 |          | Scale: 1:900                      |         | Project Ref: 5214106 |            | Sheet: 5 of 10                           |                                 |
| Rev: P01          |          |                                   |         |                      |            |  |                                 |



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| Construction  | None |
| Maintenance / Cleaning  | None |
| Use   | None |
| Decommission / Demolition   | None |

| LEGEND                   |  |  |  |  |  |  |  |
|--------------------------|--|--|--|--|--|--|--|
| — SCHEME ALIGNMENT       |  |  |  |  |  |  |  |
| ↔ CROSSING POINT FEATURE |  |  |  |  |  |  |  |
| ➤ SURVEYOR VIEW          |  |  |  |  |  |  |  |

| Description | Status | Revision | Drawn | Checked | Reviewed | Authorised | Issue Date |
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| PUBLISHED   | A1     | P01      | SD    | LH      | CC       | TT         | 23/08/23   |

Drawing Suitability: **PUBLISHED**

Status: **A1**

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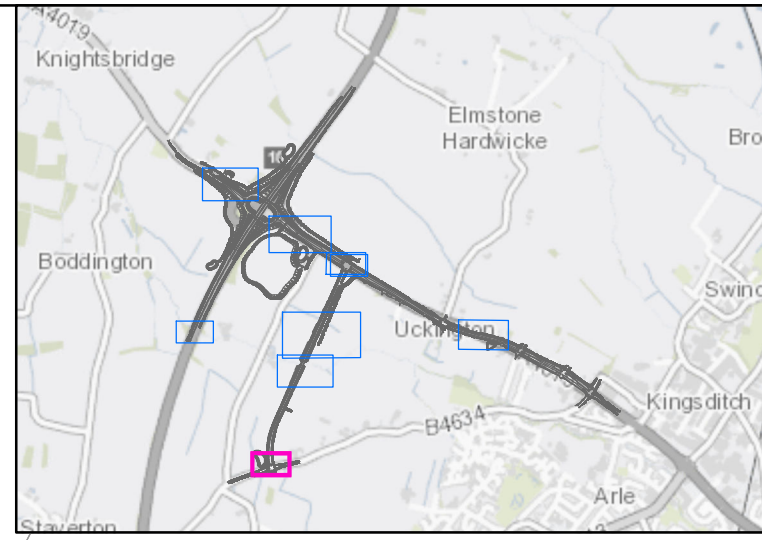
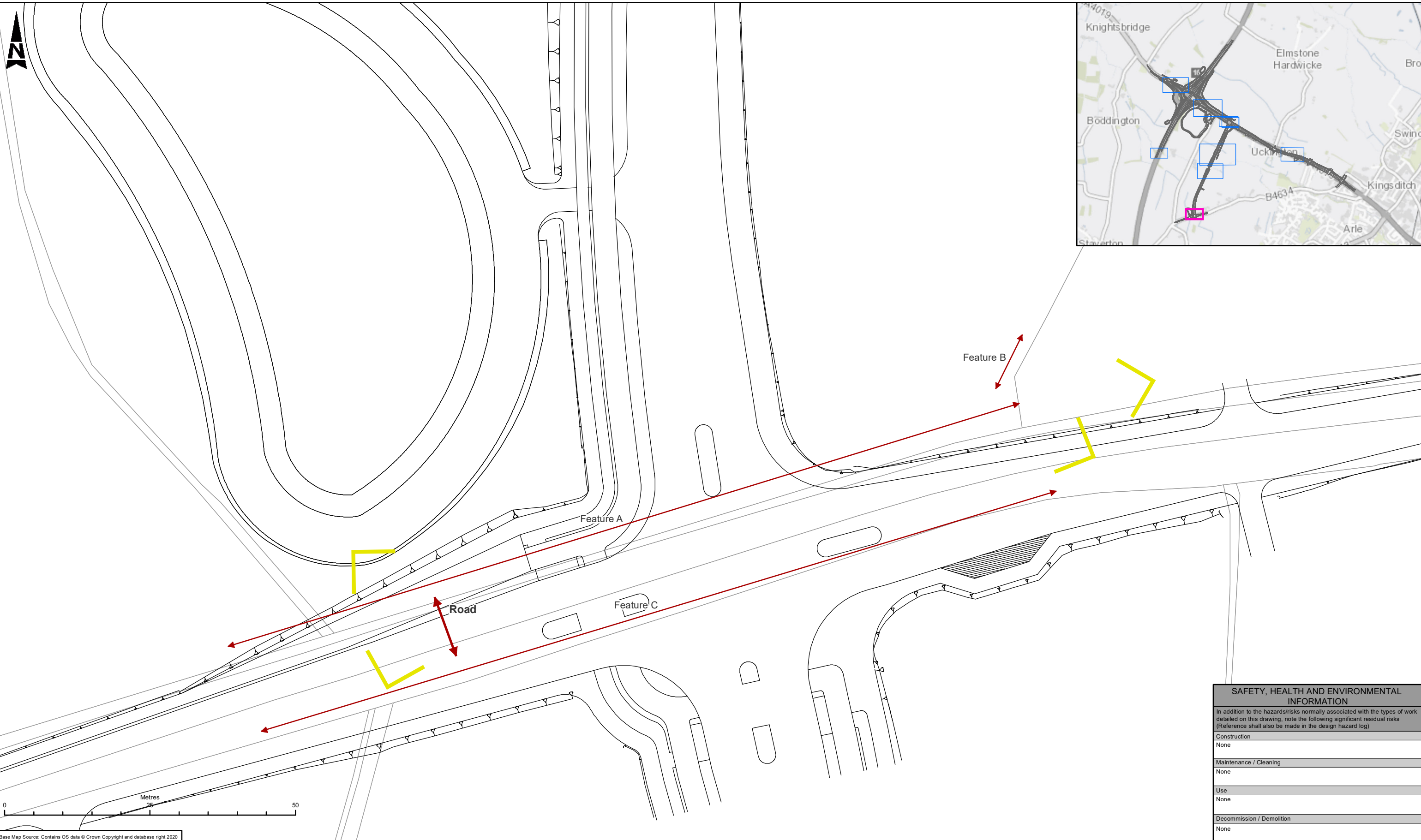
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|-------------------|--------------|--|----------------------------|
| Project Title     |              | M5 Junction 10 Improvements Scheme   |                            |
| Drawing Title     |              | FIGURE 7-30<br>CROSSING POINT SURVEYOR LOCATIONS<br>FROM 2020 AND 2021<br>CROSSING POINT LOCATION 5<br>(SURVEYS 1-4, 2021) |                            |
| Drawing Number    |              | GCCM5J10 - ATK - EBD<br>ZZ - GS - GI - 000073  |                            |
| Original Size: A3 | Scale: 1:600 | Project Ref: 5214106   | Sheet: 6 of 10<br>Rev: P01 |





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| Maintenance / Cleaning  | None |
| Use   | None |
| Decommission / Demolition   | None |

| LEGEND                   |  |  |  |  |  |  |  |
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| — SCHEME ALIGNMENT       |  |  |  |  |  |  |  |
| ↔ CROSSING POINT FEATURE |  |  |  |  |  |  |  |
| ➤ SURVEYOR VIEW          |  |  |  |  |  |  |  |

| Description | Status | Revision | Drawn | Checked | Reviewed | Authorised | Issue Date |
|-------------|--------|----------|-------|---------|----------|------------|------------|
| PUBLISHED   | A1     | P01      | SD    | LH      | CC       | TT         | 23/08/23   |

Drawing Suitability: **PUBLISHED**

Status: **A1**

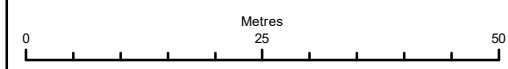
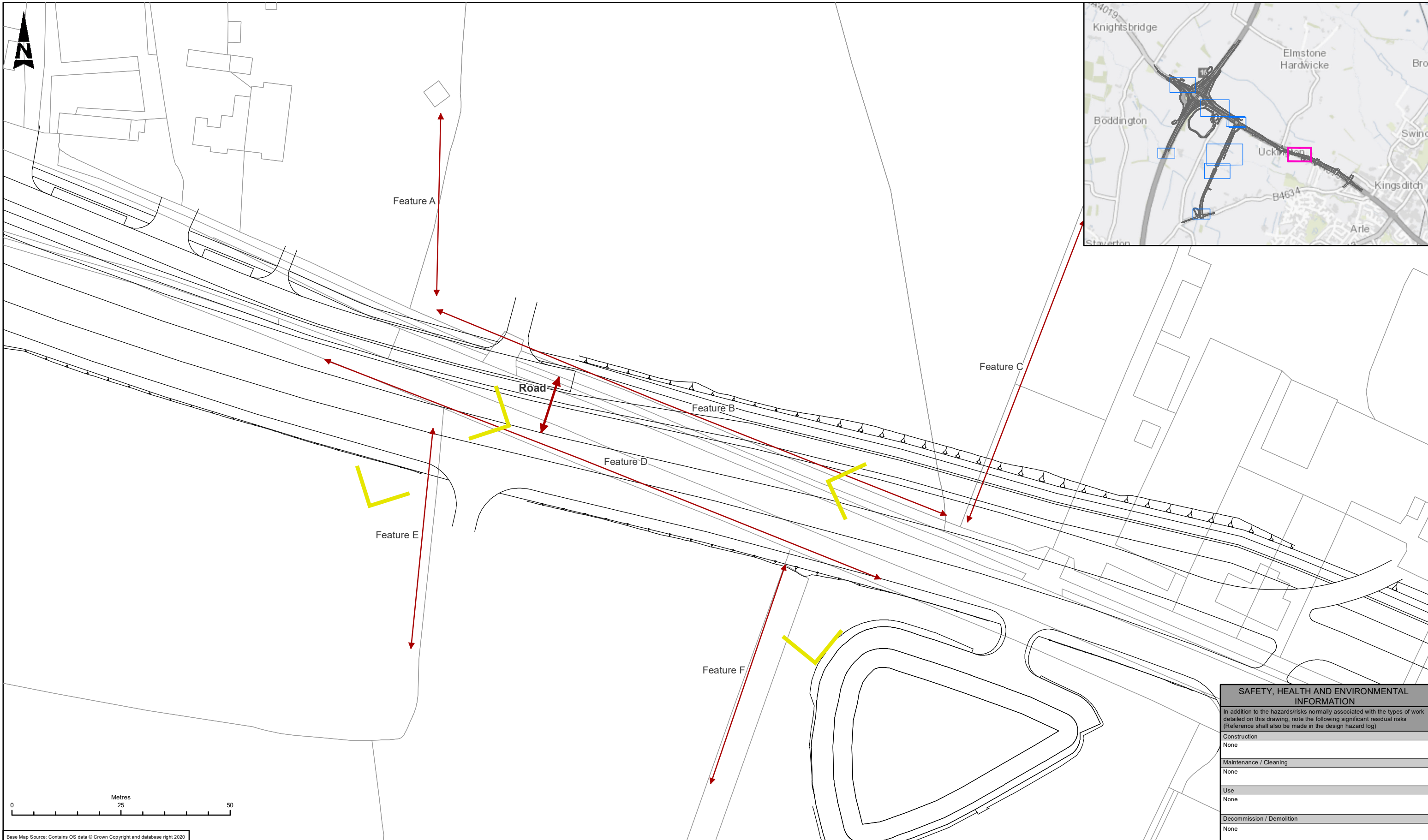
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|                   |              |  |                            |
|-------------------|--------------|--|----------------------------|
| Project Title     |              | M5 Junction 10 Improvements Scheme   |                            |
| Drawing Title     |              | FIGURE 7-30<br>CROSSING POINT SURVEYOR LOCATIONS<br>FROM 2020 AND 2021<br>CROSSING POINT LOCATION 5<br>(SURVEYS 5-6, 2021) |                            |
| Drawing Number    |              | Project: GCCM5J10 - ATK - EBD<br>Original: ZZ - GS - GI - 000073   |                            |
| Original Size: A3 | Scale: 1:600 | Project Ref: 5214106   | Sheet: 7 of 10<br>Rev: P01 |



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| Maintenance / Cleaning  | None |
| Use   | None |
| Decommission / Demolition   | None |

| LEGEND                   |  |  |  |  |  |  |  |
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| — SCHEME ALIGNMENT       |  |  |  |  |  |  |  |
| ↔ CROSSING POINT FEATURE |  |  |  |  |  |  |  |
| ↙ SURVEYOR VIEW          |  |  |  |  |  |  |  |

| Description | Status | Revision | Drawn | Checked | Reviewed | Authorised | Issue Date |
|-------------|--------|----------|-------|---------|----------|------------|------------|
| PUBLISHED   | A1     | P01      | SD    | LH      | CC       | TT         | 23/08/23   |

Drawing Suitability: **PUBLISHED**

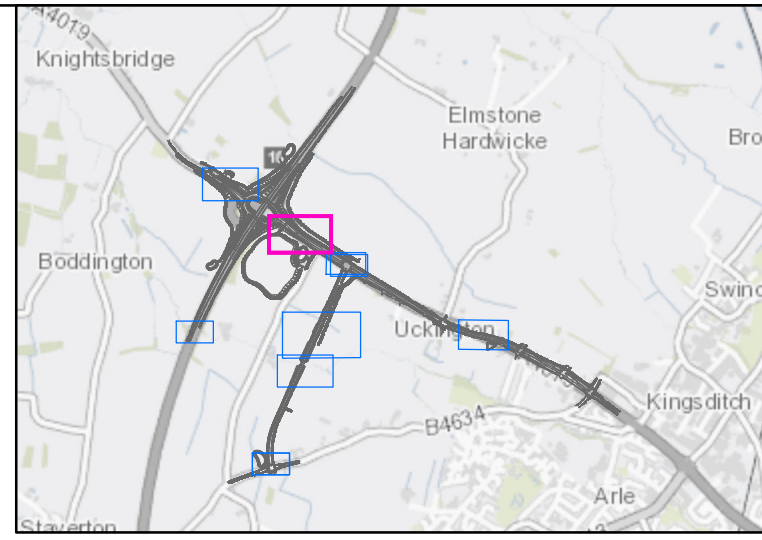
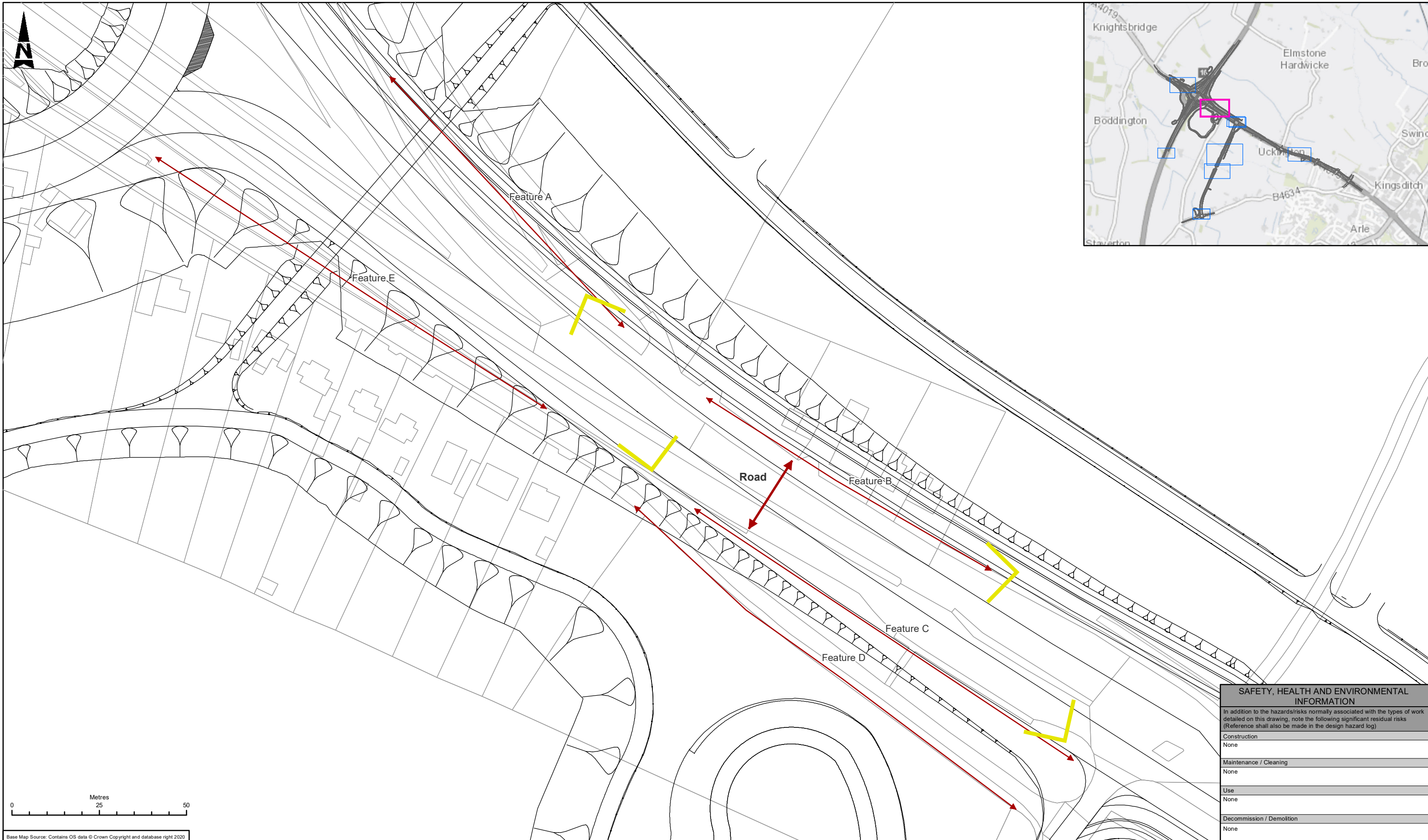
Status: **A1**

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|-------------------|--------------|---|----------------------------|
| Project Title     |              | M5 Junction 10 Improvements Scheme  |                            |
| Drawing Title     |              | FIGURE 7-30<br>CROSSING POINT SURVEYOR LOCATIONS<br>FROM 2020 AND 2021<br>CROSSING POINT LOCATION 6 AND 7 |                            |
| Drawing Number    |              | Project: GCCM5J10 - ATK - EBD<br>Originator: ZZ - GS - GI - 000073<br>Volume: ZZ - GS - GI - 000073       |                            |
| Original Size: A3 | Scale: 1:800 | Project Ref: 5214106  | Sheet: 8 of 10<br>Rev: P01 |



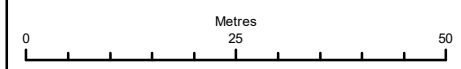
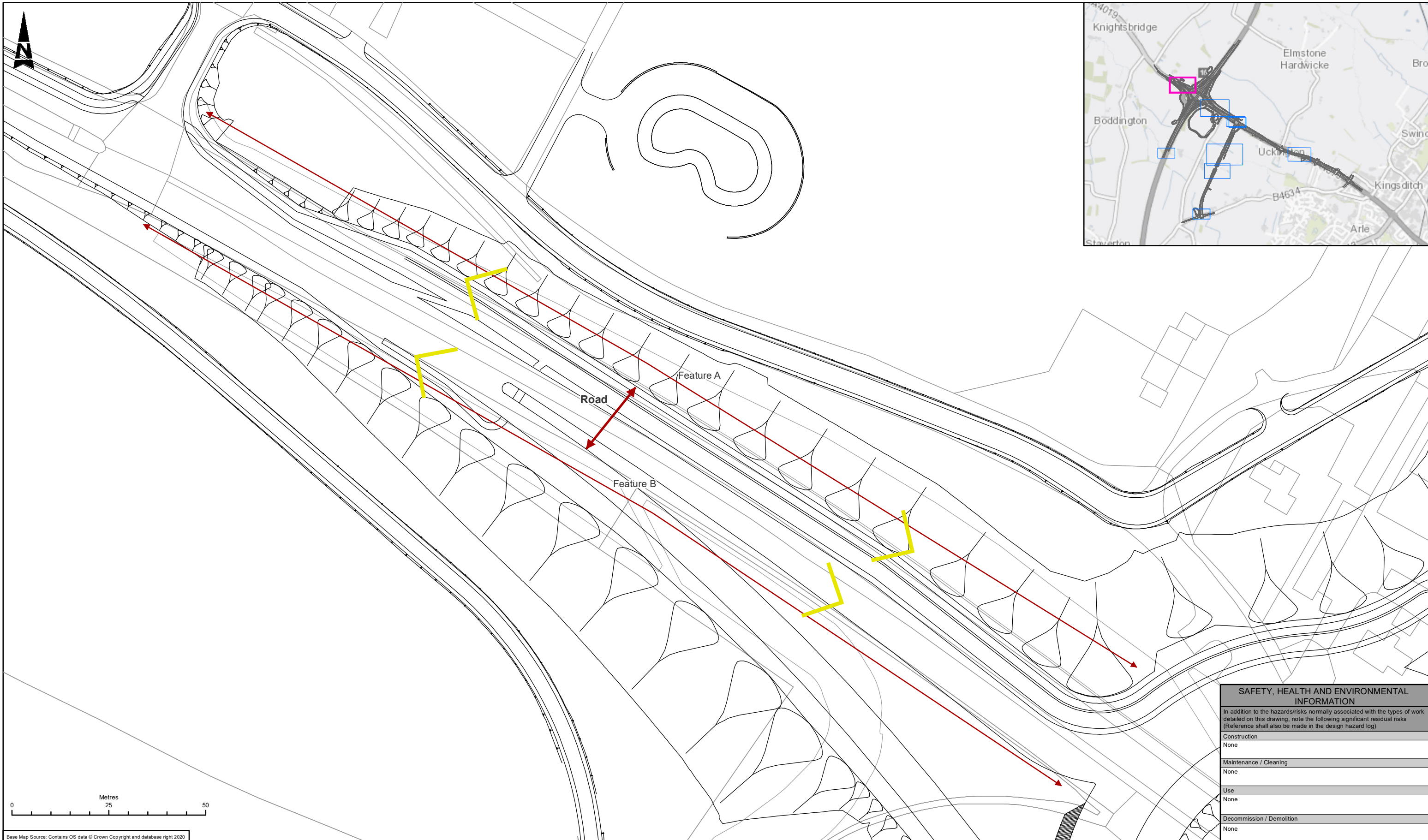
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**LEGEND**

- SCHEME ALIGNMENT
- ↔ CROSSING POINT FEATURE
- ◀ SURVEYOR VIEW

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| In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made in the design hazard log) |      |
| Construction  | None |
| Maintenance / Cleaning  | None |
| Use   | None |
| Decommission / Demolition   | None |

| Description  |                | Drawing Suitability  | Status         | Project Title   |            |            |            |            |            |            |           |  |  |  |  |                  |           |   |  |          |            |        |                      |     |                   |                |                      |                |          |
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| Status   | Revision       | Drawn  | Checked        | Reviewed  | Authorised | Issue Date |            |            |            |            |           |  |  |  |  |                  |           |   |  |          |            |        |                      |     |                   |                |                      |                |          |
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| Description  |                | <br>Member of the SNC-Lavalin Group<br>5th Floor, Block 5<br>Shire Hall<br>Bearland<br>Gloucester<br>GL1 2TH<br>Tel: 08000 514 514<br>www.atkinsglobal.com   |                | Drawing Title   |            |            |            |            |            |            |           |  |  |  |  |                  |           |   |  |          |            |        |                      |     |                   |                |                      |                |          |
| Description  |                | <br>Client   |                | <b>FIGURE 7-30</b><br><b>CROSSING POINT SURVEYOR LOCATIONS</b><br><b>FROM 2020 AND 2021</b><br><b>CROSSING POINT LOCATION 8</b> |            |            |            |            |            |            |           |  |  |  |  |                  |           |   |  |          |            |        |                      |     |                   |                |                      |                |          |
| Description  |                | <table border="1"> <thead> <tr> <th>Status</th> <th>Revision</th> <th>Drawn</th> <th>Checked</th> <th>Reviewed</th> <th>Authorised</th> <th>Issue Date</th> </tr> </thead> <tbody> <tr> <td>PUBLISHED</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> |                | Status  | Revision   | Drawn      | Checked    | Reviewed   | Authorised | Issue Date | PUBLISHED |  |  |  |  |                  |           | <table border="1"> <thead> <tr> <th>Project</th> <th>Originator</th> <th>Volume</th> </tr> </thead> <tbody> <tr> <td>GCCM5J10 - ATK - EBD</td> <td></td> <td></td> </tr> </tbody> </table>  |  | Project  | Originator | Volume | GCCM5J10 - ATK - EBD |     |                   |                |                      |                |          |
| Status   | Revision       | Drawn  | Checked        | Reviewed  | Authorised | Issue Date |            |            |            |            |           |  |  |  |  |                  |           |   |  |          |            |        |                      |     |                   |                |                      |                |          |
| PUBLISHED  |                |  |                |   |            |            |            |            |            |            |           |  |  |  |  |                  |           |   |  |          |            |        |                      |     |                   |                |                      |                |          |
| Project  | Originator     | Volume   |                |   |            |            |            |            |            |            |           |  |  |  |  |                  |           |   |  |          |            |        |                      |     |                   |                |                      |                |          |
| GCCM5J10 - ATK - EBD   |                |  |                |   |            |            |            |            |            |            |           |  |  |  |  |                  |           |   |  |          |            |        |                      |     |                   |                |                      |                |          |
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| Status   | Revision       | Drawn  | Checked        | Reviewed  | Authorised | Issue Date |            |            |            |            |           |  |  |  |  |                  |           |   |  |          |            |        |                      |     |                   |                |                      |                |          |
| PUBLISHED  |                |  |                |   |            |            |            |            |            |            |           |  |  |  |  |                  |           |   |  |          |            |        |                      |     |                   |                |                      |                |          |
| Location   | Type           | Role   | Number         | Rev   |            |            |            |            |            |            |           |  |  |  |  |                  |           |   |  |          |            |        |                      |     |                   |                |                      |                |          |
| Original Size: A3  | Scale: 1:1,000 | Project Ref: 5214106   | Sheet: 9 of 10 | Rev: P01  |            |            |            |            |            |            |           |  |  |  |  |                  |           |   |  |          |            |        |                      |     |                   |                |                      |                |          |



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| Construction  | None |
| Maintenance / Cleaning  | None |
| Use   | None |
| Decommission / Demolition   | None |

| LEGEND                   |  |  |  |  |  |  |  |
|--------------------------|--|--|--|--|--|--|--|
| — SCHEME ALIGNMENT       |  |  |  |  |  |  |  |
| ↔ CROSSING POINT FEATURE |  |  |  |  |  |  |  |
| ◀ SURVEYOR VIEW          |  |  |  |  |  |  |  |

| Description | Status | Revision | Drawn | Checked | Reviewed | Authorised | Issue Date |
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| PUBLISHED   | A1     |          |       |         |          |            | 23/08/23   |

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|-------------------|--------------|---|-----------------------------|
| Project Title     |              | M5 Junction 10 Improvements Scheme  |                             |
| Drawing Title     |              | FIGURE 7-30<br>CROSSING POINT SURVEYOR LOCATIONS<br>FROM 2020 AND 2021<br>CROSSING POINT LOCATION 9 |                             |
| Drawing Number    |              | Project: GCCM5J10 - ATK - EBD<br>ZZ - GS - GI - 000073  |                             |
| Original Size: A3 | Scale: 1:900 | Project Ref: 5214106  | Sheet: 10 of 10<br>Rev: P01 |



Aerial Imagery Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

**LEGEND**  
 BAT TRAPPING LOCATIONS

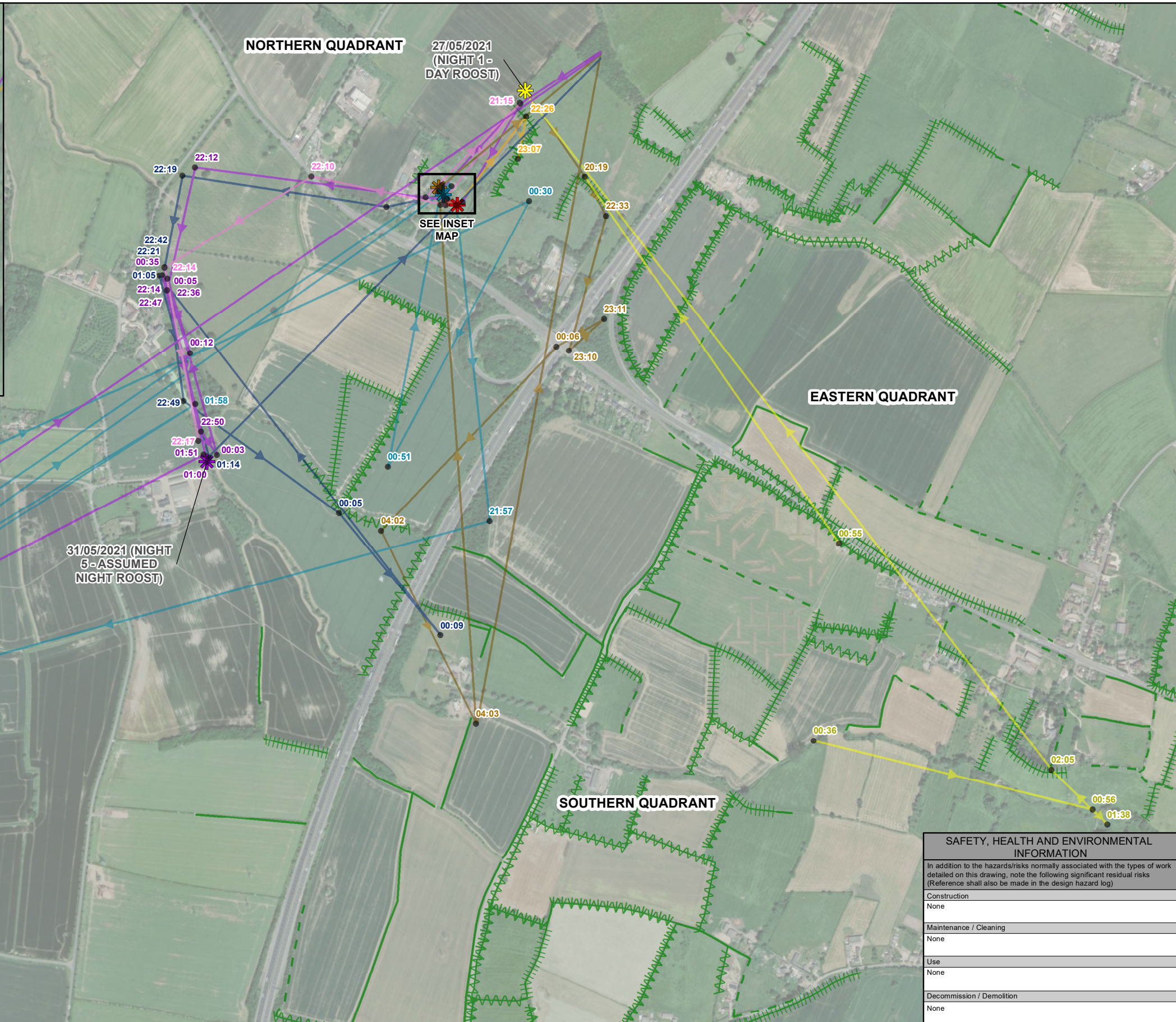
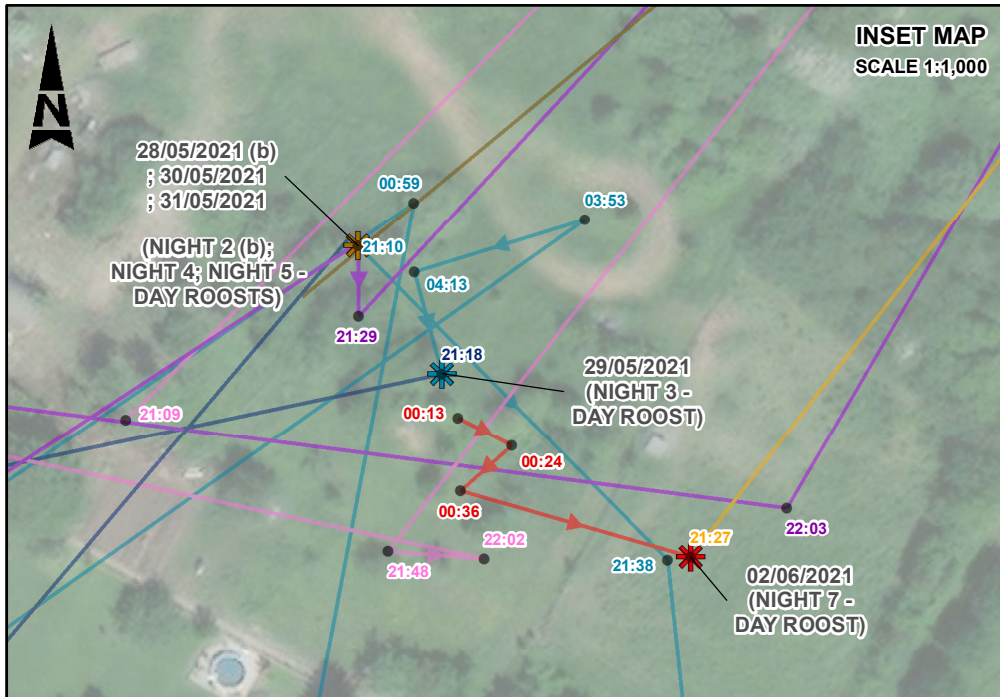
| SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION  |      |
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| Maintenance / Cleaning  | None |
| Use   | None |
| Decommission / Demolition   | None |

| Description | Status | Revision | Drawn | Checked | Reviewed | Authorised | Issue Date |
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| PUBLISHED   | A1     |          |       |         |          |            | 19/06/23   |

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| Project Title     |                 | M5 Junction 10 Improvements Scheme           |                           |
| Drawing Title     |                 | FIGURE 7-3P<br>ALBST, TRAPPING LOCATIONS     |                           |
| Drawing Number    |                 | GCCM5J10 - ATK - EBD<br>ZZ - GS - GI - 00063 |                           |
| Original Size: A3 | Scale: 1:15,000 | Project Ref: 5214106                         | Sheet: 1 of 1<br>Rev: P01 |



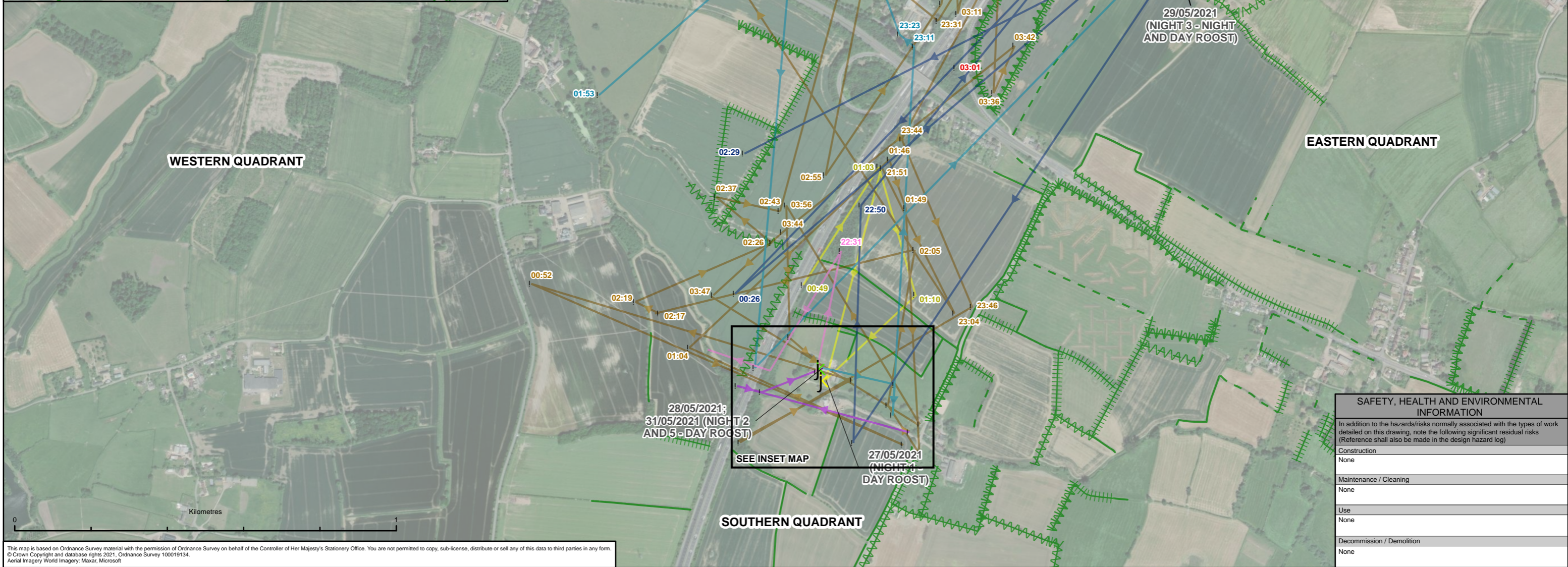
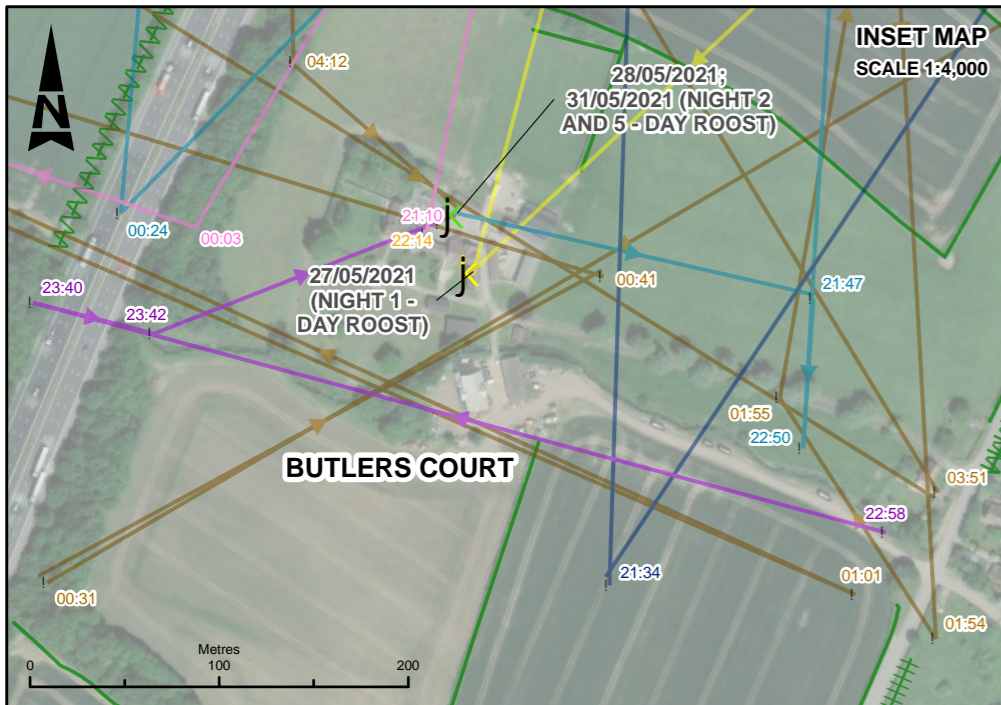
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| Use   | None |
| Decommission / Demolition   | None |

Aerial Imagery Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

| LEGEND |   |
|--------|---|
|        | 27/05/2021 (NIGHT 1 - DAY ROOST)  |
|        | 28/05/2021 (b) ; 30/05/2021 ; 31/05/2021 (NIGHT 2 (b); NIGHT 4; NIGHT 5 - DAY ROOSTS) |
|        | 29/05/2021 (NIGHT 3 - DAY ROOST)  |
|        | 31/05/2021 (NIGHT 5 - ASSUMED NIGHT ROOST)  |
|        | 02/06/2021 (NIGHT 7 - ASSUMED DAY AND NIGHT ROOST)                                    |
|        | <b>HEDGEROW</b>   |
|        | INTACT HEDGE - NATIVE SPECIES RICH  |
|        | INTACT HEDGE - SPECIES POOR   |
|        | DEFUNCT HEDGE - NATIVE SPECIES RICH   |
|        | DEFUNCT HEDGE - SPECIES POOR  |
|        | HEDGE WITH TREES - NATIVE SPECIES RICH  |
|        | HEDGE WITH TREES - SPECIES POOR   |

| LINES LINKING CONSECUTIVE DATA POINTS OF BATS, NOT THE BAT'S ACTUAL FLIGHT LINE |                                |
|---|--------------------------------|
|   | NIGHT 1 - 26TH MAY TO 27TH MAY |
|   | NIGHT 2 - 27TH MAY TO 28TH MAY |
|   | NIGHT 3 - 28TH MAY TO 29TH MAY |
|   | NIGHT 4 - 29TH MAY TO 30TH MAY |
|   | NIGHT 5 - 30TH MAY TO 31ST MAY |
|   | NIGHT 6 - 31ST MAY TO 1ST JUNE |
|   | NIGHT 7 - 1ST JUNE TO 2ND JUNE |
|   | NIGHT 8 - 2ND JUNE TO 3RD JUNE |

| Description   |          | Drawing Suitability | Status    | Project Title                      |            |            |            |            |  |  |  |  |  |  |  |   |  |   |
|---|----------|---------------------|-----------|------------------------------------|------------|------------|------------|------------|--|--|--|--|--|--|--|---|--|---|
| PUBLISHED   |          | <b>PUBLISHED</b>    | <b>A1</b> | M5 Junction 10 Improvements Scheme |            |            |            |            |  |  |  |  |  |  |  |   |  |   |
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| Status  | Revision | Drawn               | Checked   | Reviewed                           | Authorised | Issue Date |            |            |  |  |  |  |  |  |  |   |  |   |
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| Status  | Revision | Drawn               | Checked   | Reviewed                           | Authorised | Issue Date |            |            |  |  |  |  |  |  |  |   |  |   |
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| Status  | Revision | Drawn               | Checked   | Reviewed                           | Authorised | Issue Date |            |            |  |  |  |  |  |  |  |   |  |   |
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| Status  | Revision | Drawn               | Checked   | Reviewed                           | Authorised | Issue Date |            |            |  |  |  |  |  |  |  |   |  |   |
|   |          |                     |           |                                    |            |            |            |            |  |  |  |  |  |  |  |   |  |   |
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| Status  | Revision | Drawn               | Checked   | Reviewed                           | Authorised | Issue Date |            |            |  |  |  |  |  |  |  |   |  |   |
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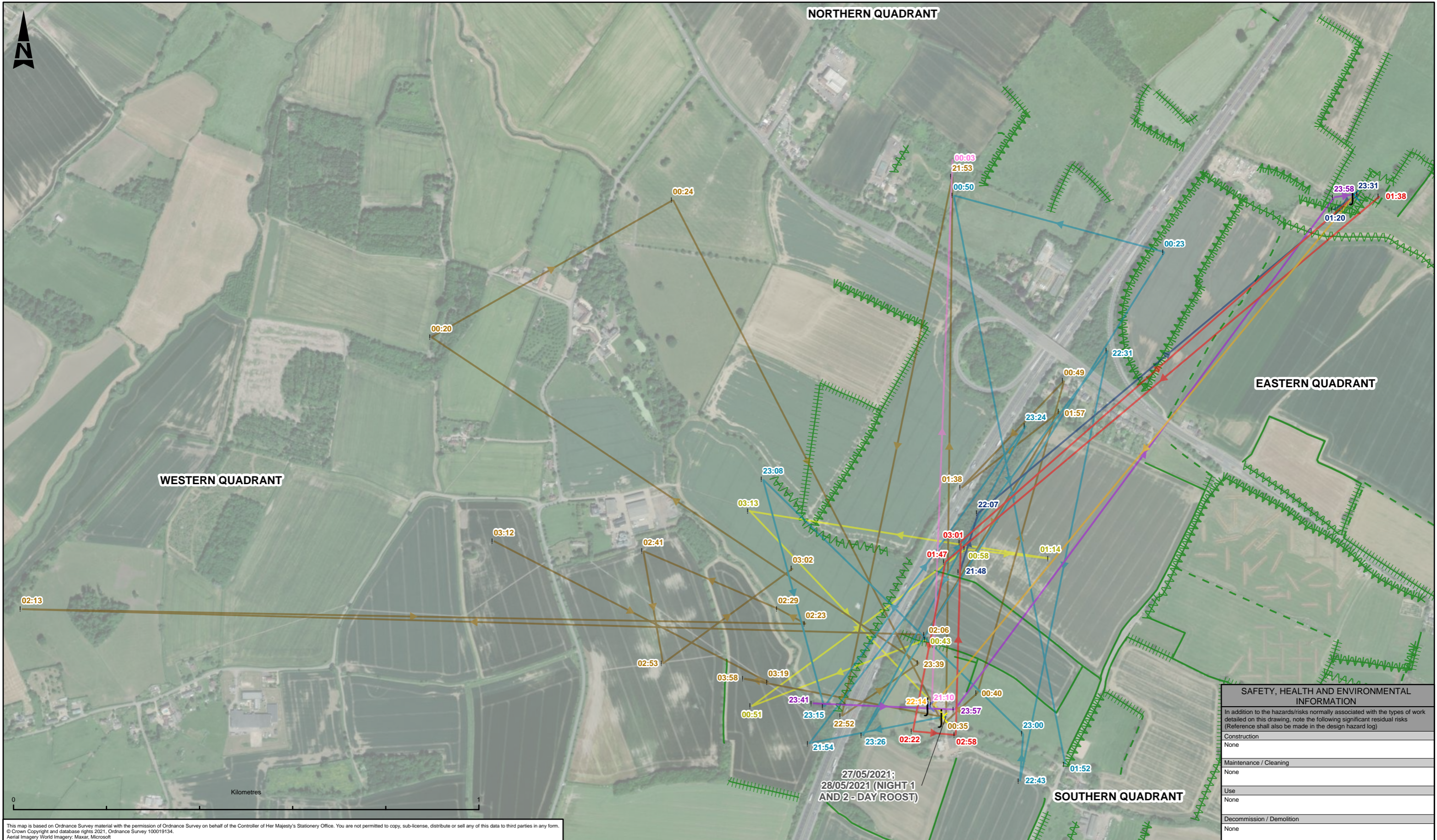
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 Aerial Imagery World Imagery: Maxar, Microsoft

| SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION  |      |
|---|------|
| In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made in the design hazard log) |      |
| Construction  | None |
| Maintenance / Clearing  | None |
| Use   | None |
| Decommission / Demolition   | None |

| LEGEND   |  |
|--|--|
| <b>ROOST LOCATION</b>  | <b>HEDGEROW</b>                        |
| 27/05/2021 (NIGHT 1 - DAY ROOST)   | INTACT HEDGE - NATIVE SPECIES RICH     |
| 28/05/2021; 31/05/2021 (NIGHT 2 AND 5 - DAY ROOST)                                     | INTACT HEDGE - SPECIES POOR            |
| 29/05/2021 (NIGHT 3 - NIGHT AND DAY ROOST)   | DEFUNCT HEDGE - NATIVE SPECIES RICH    |
|  | DEFUNCT HEDGE - SPECIES POOR           |
|  | HEDGE WITH TREES - NATIVE SPECIES RICH |
|  | HEDGE WITH TREES - SPECIES POOR        |
| <b>LINES LINKING CONSECUTIVE DATA POINTS OF BATS, NOT THE BAT'S ACTUAL FLIGHT LINE</b> |  |
| NIGHT 1 - 26TH MAY TO 27TH MAY   |  |
| NIGHT 2 - 27TH MAY TO 28TH MAY   |  |
| NIGHT 3 - 28TH MAY TO 29TH MAY   |  |
| NIGHT 4 - 29TH MAY TO 30TH MAY   |  |
| NIGHT 5 - 30TH MAY TO 31ST MAY   |  |
| NIGHT 6 - 31ST MAY TO 1ST JUNE   |  |
| NIGHT 7 - 1ST JUNE TO 2ND JUNE   |  |
| NIGHT 8 - 2ND JUNE TO 3RD JUNE   |  |

\*NOTE: ON NIGHT 7 (1ST JUNE TO 2ND JUNE) AND NIGHT 8 (2ND JUNE TO 3RD JUNE), THERE WAS ONLY ONE RECORD AT 03:11 AND 22:14 RESPECTIVELY, BOTH SHOWN AS A TIMESTAMP.

| Description   |                      | Drawing Suitability | Status       | Project Title              |            |            |            |            |  |  |  |  |  |  |  |   |               |          |            |        |                      |                      |      |    |       |          |              |         |        |     |
|---|----------------------|---------------------|--------------|----------------------------|------------|------------|------------|------------|--|--|--|--|--|--|--|---|---------------|----------|------------|--------|----------------------|----------------------|------|----|-------|----------|--------------|---------|--------|-----|
| PUBLISHED   |                      | PUBLISHED           | A1           | M5 Junction 10 Improvement |            |            |            |            |  |  |  |  |  |  |  |   |               |          |            |        |                      |                      |      |    |       |          |              |         |        |     |
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| Status  | Revision             | Drawn               | Checked      | Reviewed                   | Authorised | Issue Date |            |            |  |  |  |  |  |  |  |   |               |          |            |        |                      |                      |      |    |       |          |              |         |        |     |
|   |                      |                     |              |                            |            |            |            |            |  |  |  |  |  |  |  |   |               |          |            |        |                      |                      |      |    |       |          |              |         |        |     |
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| Status  | Revision             | Drawn               | Checked      | Reviewed                   | Authorised | Issue Date |            |            |  |  |  |  |  |  |  |   |               |          |            |        |                      |                      |      |    |       |          |              |         |        |     |
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| Status  | Revision             | Drawn               | Checked      | Reviewed                   | Authorised | Issue Date |            |            |  |  |  |  |  |  |  |   |               |          |            |        |                      |                      |      |    |       |          |              |         |        |     |
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| Project   | Originator           | Volume              |              |                            |            |            |            |            |  |  |  |  |  |  |  |   |               |          |            |        |                      |                      |      |    |       |          |              |         |        |     |
| GCCM5J10 - ATK - EBD  | ZZ - GS - GI - 00065 |                     |              |                            |            |            |            |            |  |  |  |  |  |  |  |   |               |          |            |        |                      |                      |      |    |       |          |              |         |        |     |
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| Status  | Revision             | Drawn               | Checked      | Reviewed                   | Authorised | Issue Date |            |            |  |  |  |  |  |  |  |   |               |          |            |        |                      |                      |      |    |       |          |              |         |        |     |
|   |                      |                     |              |                            |            |            |            |            |  |  |  |  |  |  |  |   |               |          |            |        |                      |                      |      |    |       |          |              |         |        |     |
| Location  | Type                 | Role                | Sheet        | Number                     | Rev.       |            |            |            |  |  |  |  |  |  |  |   |               |          |            |        |                      |                      |      |    |       |          |              |         |        |     |
| A3  | Scale                | 1:10,000            | Project Ref. | 5206696                    | 1 of 1     | P01        |            |            |  |  |  |  |  |  |  |   |               |          |            |        |                      |                      |      |    |       |          |              |         |        |     |



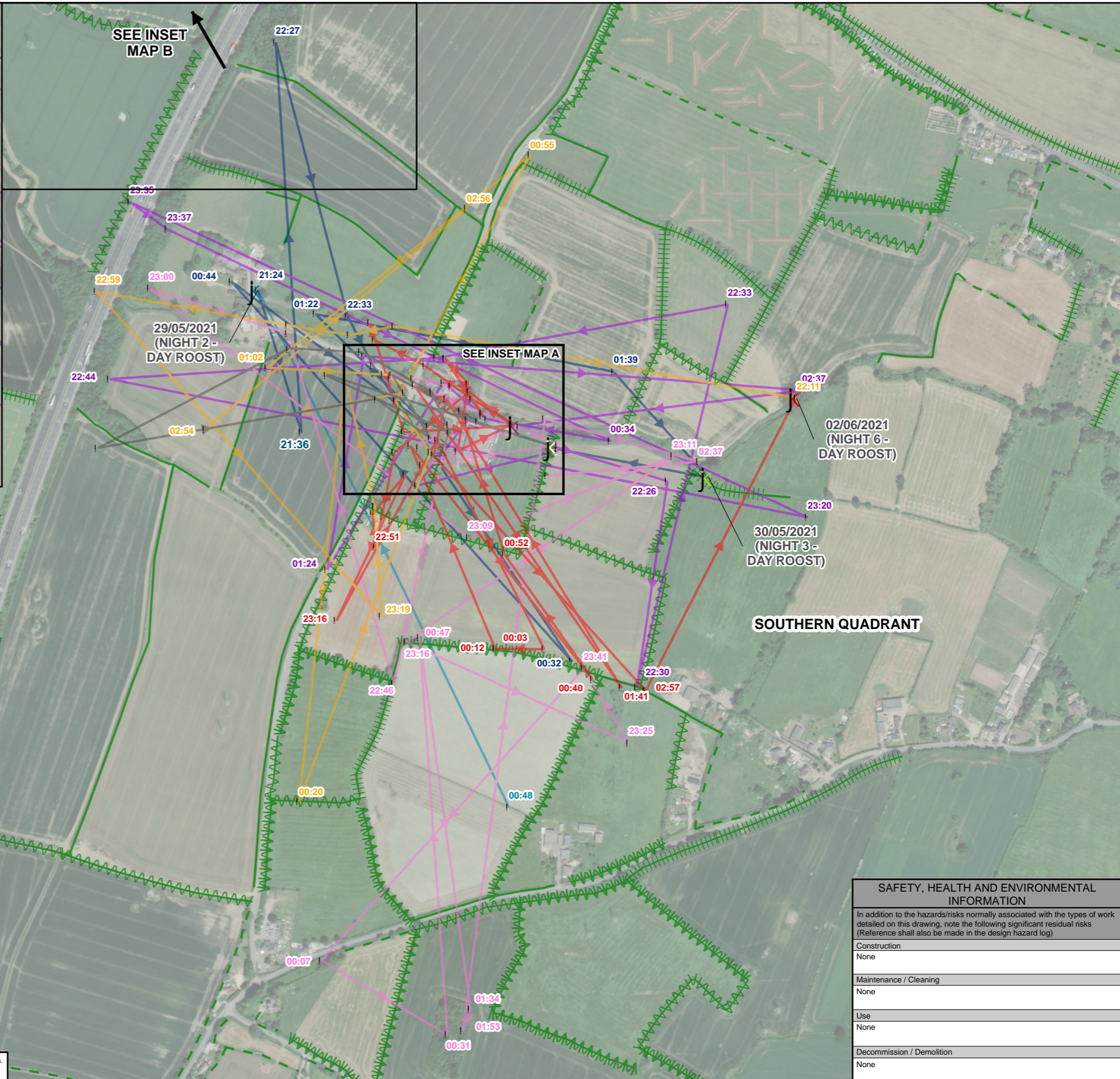
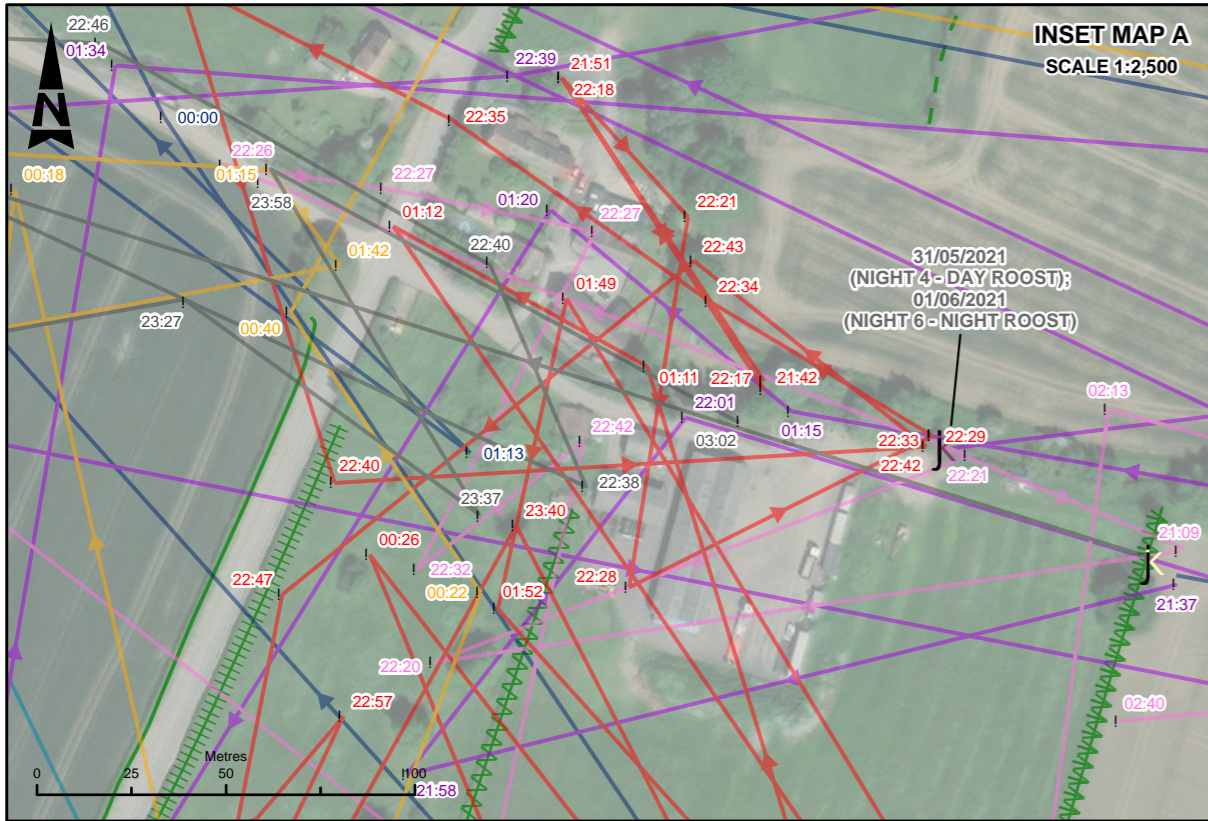
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 Aerial Imagery World Imagery: Maxar, Microsoft

| SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION  |      |
|---|------|
| In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made in the design hazard log) |      |
| Construction  | None |
| Maintenance / Cleaning  | None |
| Use   | None |
| Decommission / Demolition   | None |

| LEGEND   |  |
|--|--|
| <b>ROOST LOCATION</b>  | <b>HEDGEROW</b>  |
| 27/05/2021 (NIGHT 1 AND 2 - DAY ROOST)                       | INTACT HEDGE - NATIVE SPECIES RICH   |
| 29/05/2021; 30/05/2021 (NIGHT 4 AND 5 - ASSUMED NIGHT ROOST) | INTACT HEDGE - SPECIES POOR  |
| 31/05/2021; 02/06/2021 (NIGHT 5; NIGHT 7 - DAY ROOST)        | DEFUNCT HEDGE - NATIVE SPECIES RICH  |
|  | DEFUNCT HEDGE - SPECIES POOR   |
|  | HEDGE WITH TREES - NATIVE SPECIES RICH   |
|  | HEDGE WITH TREES - SPECIES POOR  |
|  | <b>LINES LINKING CONSECUTIVE DATA POINTS OF BATS, NOT THE BATS' ACTUAL FLIGHT LINE</b> |
|  | NIGHT 1 - 26TH MAY TO 27TH MAY   |
|  | NIGHT 2 - 27TH MAY TO 28TH MAY   |
|  | NIGHT 3 - 28TH MAY TO 29TH MAY   |
|  | NIGHT 4 - 29TH MAY TO 30TH MAY   |
|  | NIGHT 5 - 30TH MAY TO 31ST MAY   |
|  | NIGHT 6 - 31ST MAY TO 1ST JUNE   |
|  | NIGHT 7 - 1ST JUNE TO 2ND JUNE   |
|  | NIGHT 8 - 2ND JUNE TO 3RD JUNE   |

| Description   |          | Drawing Suitability | Status   | Project Title              |            |            |            |            |  |  |  |  |  |  |  |  |   |
|---|----------|---------------------|----------|----------------------------|------------|------------|------------|------------|--|--|--|--|--|--|--|--|---|
| PUBLISHED   |          | PUBLISHED           | A1       | M5 Junction 10 Improvement |            |            |            |            |  |  |  |  |  |  |  |  |   |
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| Status  | Revision | Drawn               | Checked  | Reviewed                   | Authorised | Issue Date |            |            |  |  |  |  |  |  |  |  |   |
|   |          |                     |          |                            |            |            |            |            |  |  |  |  |  |  |  |  |   |
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| Status  | Revision | Drawn               | Checked  | Reviewed                   | Authorised | Issue Date |            |            |  |  |  |  |  |  |  |  |   |
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| Status  | Revision | Drawn               | Checked  | Reviewed                   | Authorised | Issue Date |            |            |  |  |  |  |  |  |  |  |   |
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| Status  | Revision | Drawn               | Checked  | Reviewed                   | Authorised | Issue Date |            |            |  |  |  |  |  |  |  |  |   |
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| Status  | Revision | Drawn               | Checked  | Reviewed                   | Authorised | Issue Date |            |            |  |  |  |  |  |  |  |  |   |
|   |          |                     |          |                            |            |            |            |            |  |  |  |  |  |  |  |  |   |





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 Aerial Imagery World Imagery: Maxar, Microsoft

| SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION  |      |
|---|------|
| In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made in the design hazard log) |      |
| Construction  | None |
| Maintenance / Clearing  | None |
| Use   | None |
| Decommission / Demolition   | None |

| LEGEND   |  |
|--|--|
| <b>ROOST LOCATION</b>  | <b>HEDGEROW</b>                        |
| 29/05/2021 (NIGHT 2 - DAY ROOST)   | INTACT HEDGE - NATIVE SPECIES RICH     |
| 30/05/2021 (NIGHT 3 - DAY ROOST)   | INTACT HEDGE - SPECIES POOR            |
| 31/05/2021 (NIGHT 4 - DAY ROOST); 01/06/2021 (NIGHT 6 - NIGHT ROOST)                   | DEFUNCT HEDGE - NATIVE SPECIES RICH    |
| 02/06/2021 (NIGHT 6 DAY ROOST)   | DEFUNCT HEDGE - SPECIES POOR           |
| 03/06/2021 (NIGHT 7 - DAY ROOST)   | HEDGE WITH TREES - NATIVE SPECIES RICH |
|  | HEDGE WITH TREES - SPECIES POOR        |
| <b>LINES LINKING CONSECUTIVE DATA POINTS OF BATS, NOT THE BAT'S ACTUAL FLIGHT LINE</b> |  |
| NIGHT 1 - 27TH MAY TO 28TH MAY   |  |
| NIGHT 2 - 28TH MAY TO 29TH MAY   |  |
| NIGHT 3 - 29TH MAY TO 30TH MAY   |  |
| NIGHT 4 - 30TH MAY TO 31ST MAY   |  |
| NIGHT 5 - 31ST MAY TO 1ST JUNE   |  |
| NIGHT 6 - 1ST JUNE TO 2ND JUNE   |  |
| NIGHT 7 - 2ND JUNE TO 3RD JUNE   |  |
| NIGHT 8 - 3RD JUNE TO 4TH JUNE   |  |

| Description   |          | Drawing Suitability | Status   | Project Title              |            |            |            |            |  |  |  |  |  |  |  |   |  |               |       |              |       |        |      |    |         |         |        |  |     |
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| PUBLISHED   |          | PUBLISHED           | A1       | M5 Junction 10 Improvement |            |            |            |            |  |  |  |  |  |  |  |   |  |               |       |              |       |        |      |    |         |         |        |  |     |
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| Status  | Revision | Drawn               | Checked  | Reviewed                   | Authorised | Issue Date |            |            |  |  |  |  |  |  |  |   |  |               |       |              |       |        |      |    |         |         |        |  |     |
|   |          |                     |          |                            |            |            |            |            |  |  |  |  |  |  |  |   |  |               |       |              |       |        |      |    |         |         |        |  |     |
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|   |          |                     |          |                            |            |            |            |            |  |  |  |  |  |  |  |   |  |               |       |              |       |        |      |    |         |         |        |  |     |
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| Status  | Revision | Drawn               | Checked  | Reviewed                   | Authorised | Issue Date |            |            |  |  |  |  |  |  |  |   |  |               |       |              |       |        |      |    |         |         |        |  |     |
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| Status  | Revision | Drawn               | Checked  | Reviewed                   | Authorised | Issue Date |            |            |  |  |  |  |  |  |  |   |  |               |       |              |       |        |      |    |         |         |        |  |     |
|   |          |                     |          |                            |            |            |            |            |  |  |  |  |  |  |  |   |  |               |       |              |       |        |      |    |         |         |        |  |     |
| <table border="1"> <thead> <tr> <th>Status</th> <th>Revision</th> <th>Drawn</th> <th>Checked</th> <th>Reviewed</th> <th>Authorised</th> <th>Issue Date</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> |          | Status              | Revision | Drawn                      | Checked    | Reviewed   | Authorised | Issue Date |  |  |  |  |  |  |  | <table border="1"> <thead> <tr> <th>Original Size</th> <th>Scale</th> <th>Project Ref.</th> <th>Sheet</th> <th>Number</th> <th>Rev.</th> </tr> </thead> <tbody> <tr> <td>A3</td> <td>1:6,500</td> <td>5206696</td> <td>1 of 1</td> <td></td> <td>P01</td> </tr> </tbody> </table> |  | Original Size | Scale | Project Ref. | Sheet | Number | Rev. | A3 | 1:6,500 | 5206696 | 1 of 1 |  | P01 |
| Status  | Revision | Drawn               | Checked  | Reviewed                   | Authorised | Issue Date |            |            |  |  |  |  |  |  |  |   |  |               |       |              |       |        |      |    |         |         |        |  |     |
|   |          |                     |          |                            |            |            |            |            |  |  |  |  |  |  |  |   |  |               |       |              |       |        |      |    |         |         |        |  |     |
| Original Size   | Scale    | Project Ref.        | Sheet    | Number                     | Rev.       |            |            |            |  |  |  |  |  |  |  |   |  |               |       |              |       |        |      |    |         |         |        |  |     |
| A3  | 1:6,500  | 5206696             | 1 of 1   |                            | P01        |            |            |            |  |  |  |  |  |  |  |   |  |               |       |              |       |        |      |    |         |         |        |  |     |

\*ON NIGHT 1 (27TH TO 28TH MAY), THERE WAS ONLY ONE RECORD AT 04:10, SHOWN AS A TIMESTAMP.

# ATKINS

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