

M5 Junction 10 Improvements Scheme

Environmental Masterplan – Part 2 TR010063 – APP 2.13

Regulation 5 (2) (o)

Planning Act 2008

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

Volume 2

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]**

Environmental Masterplan - Part 2

| | |
|---|---|
| Regulation Number: | Regulation 5(2)(o) |
| Planning Inspectorate Scheme Reference | TR010063 |
| Application Document Reference | TR010063 – APP 2.13 |
| Author: | M5 Junction 10 Improvements Scheme Project Team |

| Version | Date | Status of Version |
|----------------|---------------|--------------------------|
| Rev 0 | December 2023 | DCO Application |
| | | |
| | | |

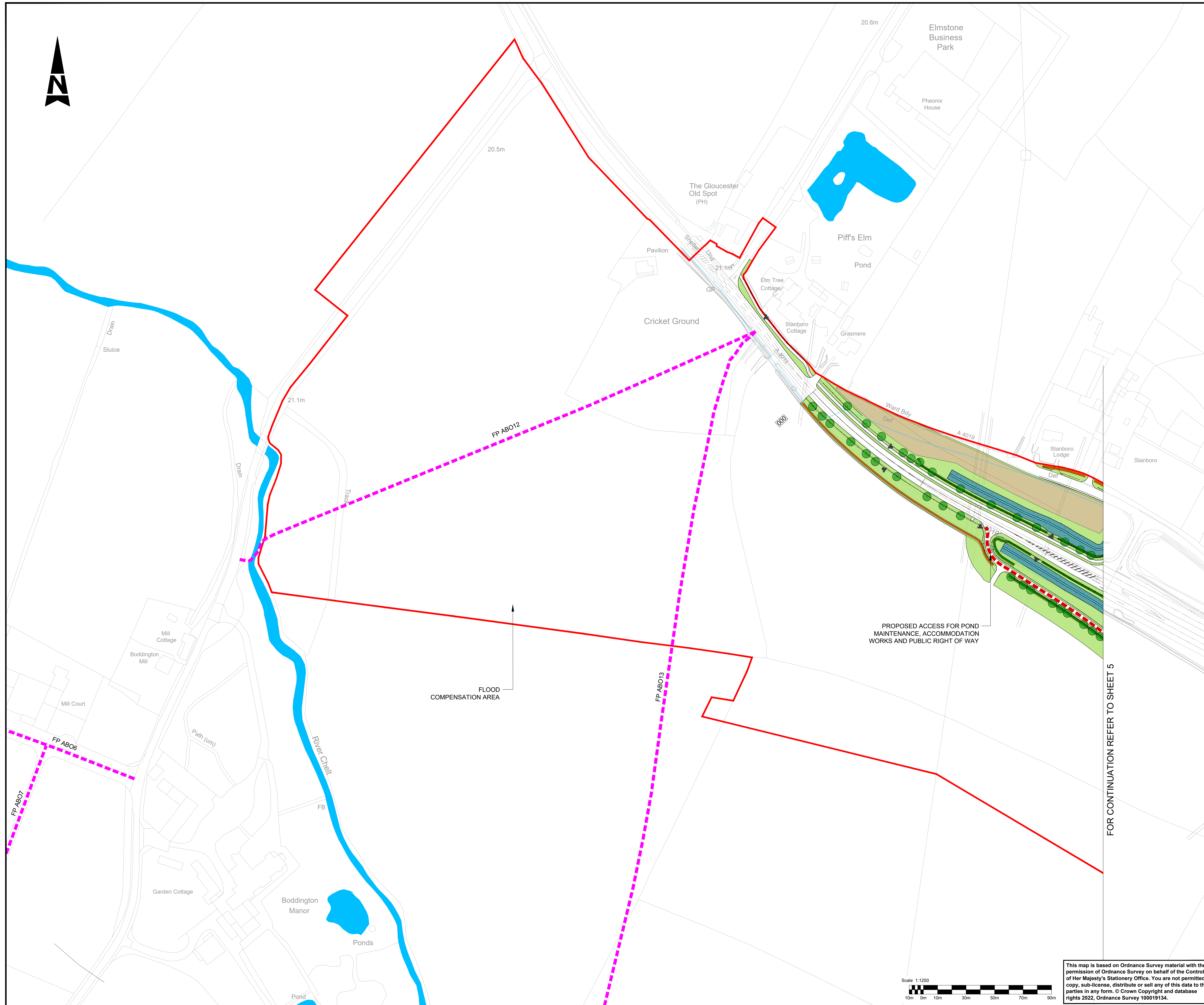
1. Schedule of Plans included in this application document.

1.1. List of drawings in Part 1

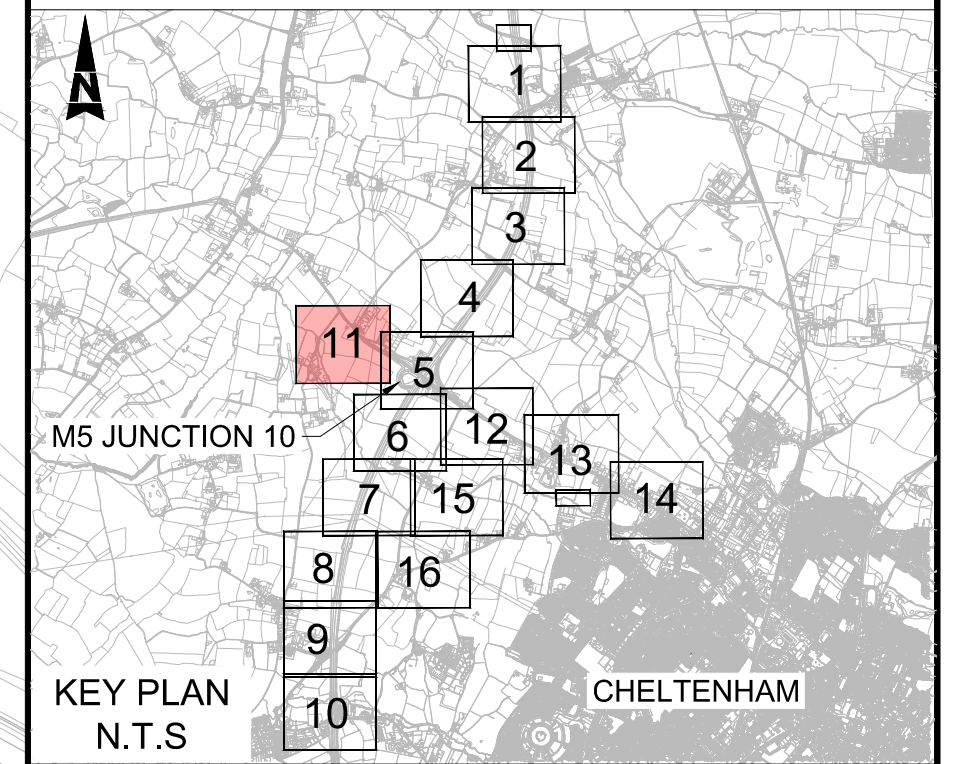
| Document title | Document number | Version |
|--|------------------------|----------------|
| Environmental Key Plan Regulation 5(2)(j) | TR010063 – APP 2.13 | C01 |
| Environmental Master Plan Key | TR010063 – APP 2.13 | C01 |
| Environmental Master Plan – Sheet 1 of 16 | TR010063 – APP 2.13 | C01 |
| Environmental Master Plan – Sheet 2 of 16 | TR010063 – APP 2.13 | C01 |
| Environmental Master Plan – Sheet 3 of 16 | TR010063 – APP 2.13 | C01 |
| Environmental Master Plan – Sheet 4 of 16 | TR010063 – APP 2.13 | C01 |
| Environmental Master Plan – Sheet 5 of 16 | TR010063 – APP 2.13 | C01 |
| Environmental Master Plan – Sheet 6 of 16 | TR010063 – APP 2.13 | C01 |
| Environmental Master Plan – Sheet 7 of 16 | TR010063 – APP 2.13 | C01 |
| Environmental Master Plan – Sheet 8 of 16 | TR010063 – APP 2.13 | C01 |
| Environmental Master Plan – Sheet 8 of 16 | TR010063 – APP 2.13 | C01 |
| Environmental Master Plan – Sheet 9 of 16 | TR010063 – APP 2.13 | C01 |
| Environmental Master Plan – Sheet 10 of 16 | TR010063 – APP 2.13 | C01 |

1.2. List of drawings in Part 1

| Document title | Document number | Version |
|--|------------------------|----------------|
| Environmental Master Plan – Sheet 11 of 16 | TR010063 – APP 2.13 | C01 |
| Environmental Master Plan – Sheet 12 of 16 | TR010063 – APP 2.13 | C01 |
| Environmental Master Plan – Sheet 13 of 16 | TR010063 – APP 2.13 | C01 |
| Environmental Master Plan – Sheet 14 of 16 | TR010063 – APP 2.13 | C01 |
| Environmental Master Plan – Sheet 15 of 16 | TR010063 – APP 2.13 | C01 |
| Environmental Master Plan – Sheet 16 of 16 | TR010063 – APP 2.13 | C01 |
| Proposed Indicative River Chelt Link Road River Cross-Sections | TR010063 – APP 2.13 | C01 |



- NOTES:**
1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.
 2. BUS STOPS TO CONSIDER HAVING GREEN ROOFS.
 3. BADGER FENCE LINE WILL ALSO BE OTTER PROOF.
 4. SIGNAGE: SIGHT LINES HAVE BEEN TAKEN INTO CONSIDERATION WITHIN THE LANDSCAPE DESIGN PROPOSAL, TO BE RESOLVED FURTHER IN THE DETAIL DESIGN STAGE.
 5. ALLOWANCE HAS BEEN MADE FOR ARTIFICIAL BADGER SETTS WITHIN THE ORDER LIMITS TO REPLACE THOSE LOST. LOCATIONS ARE NOT SHOWN ON THIS PLAN DUE TO THE PERSECUTION FACED BY BADGERS, BUT ARE INCLUDED IN THE DRAFT BADGER LICENCE. ARTIFICIAL SETTS TO INCLUDE APPROPRIATE PLANTING.
 6. ALLOWANCE FOR PLACING OF BRASH PILES WITHIN DORMICE LICENCE AREA.
 7. BAT HOP OVERS TO COMPRISE TALL PLANTING (MIN 6M TALL. THIS MAY BE FENCING FOR INITIAL PERIOD WHILST VEGETATION ESTABLISHES)
 8. ECOLOGICAL ENHANCEMENT. PROPOSED BANK REPROFILING, AQUATIC, MARGINAL AND RIPARIAN PLANTING AND IN-CHANNEL ENHANCEMENTS ALONG WATER COURSE. ADJACENT AREA TO BE 20% COVER WOODLAND.
 9. ATTENUATION BASIN TO INCLUDE FEATURES TO ENHANCE BIODIVERSITY SUCH AS SUBMERGED AND MARGINAL PLANTING; VARIATIONS IN BED TOPOGRAPHY; SHALLOW BANK SLOPES TO CREATE DRAWDOWN ZONES; ISLAND FEATURES; AND MARGINAL SHELVES. ADDITIONAL SURROUNDING PLANTING SHOULD ALSO BE INCLUDED TO HELP EMBED THE POND INTO THE LANDSCAPE. USE OF GRASSCRETE OR SIMILAR TO MAINTENANCE TRACK WHERE APPROPRIATE/FEASIBLE.



PROPOSED ACCESS FOR POND MAINTENANCE, ACCOMMODATION WORKS AND PUBLIC RIGHT OF WAY

FLOOD COMPENSATION AREA

FOR CONTINUATION REFER TO SHEET 5

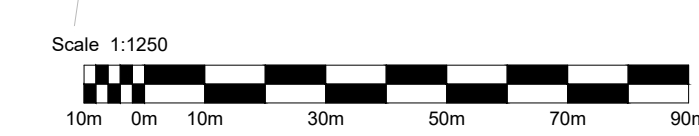
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| Description | Status | Revision | Drawn | Checked | Reviewed | Authorised | Issue Date |
|-------------|--------|----------|-------|---------|----------|------------|------------|
| REVISION 0 | A1 | C01 | AC | SS | CDC | BM | 20/10/23 |

Drawing Suitability: APPROVED - PUBLISHED Status: A1

Project Title: M5 Junction 10 Improvements Scheme
 Drawing Title: ENVIRONMENTAL MASTER PLAN SHEET 11 OF 16

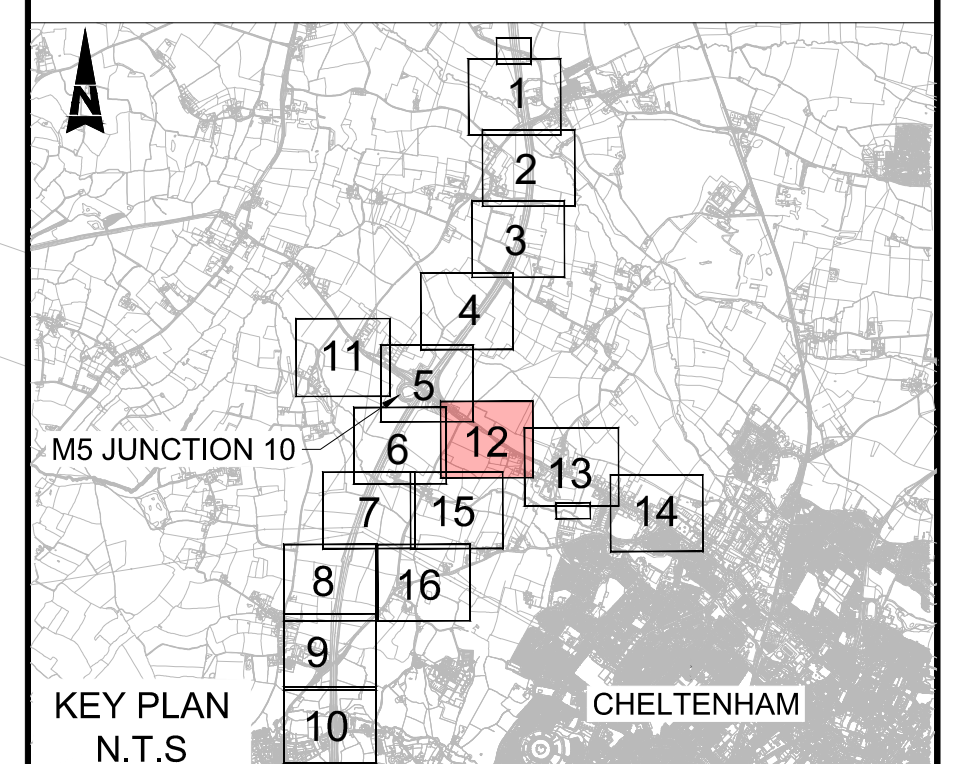
Drawing Number: GCCM5J10 ATK ELS
 ZZ DR LL 000127



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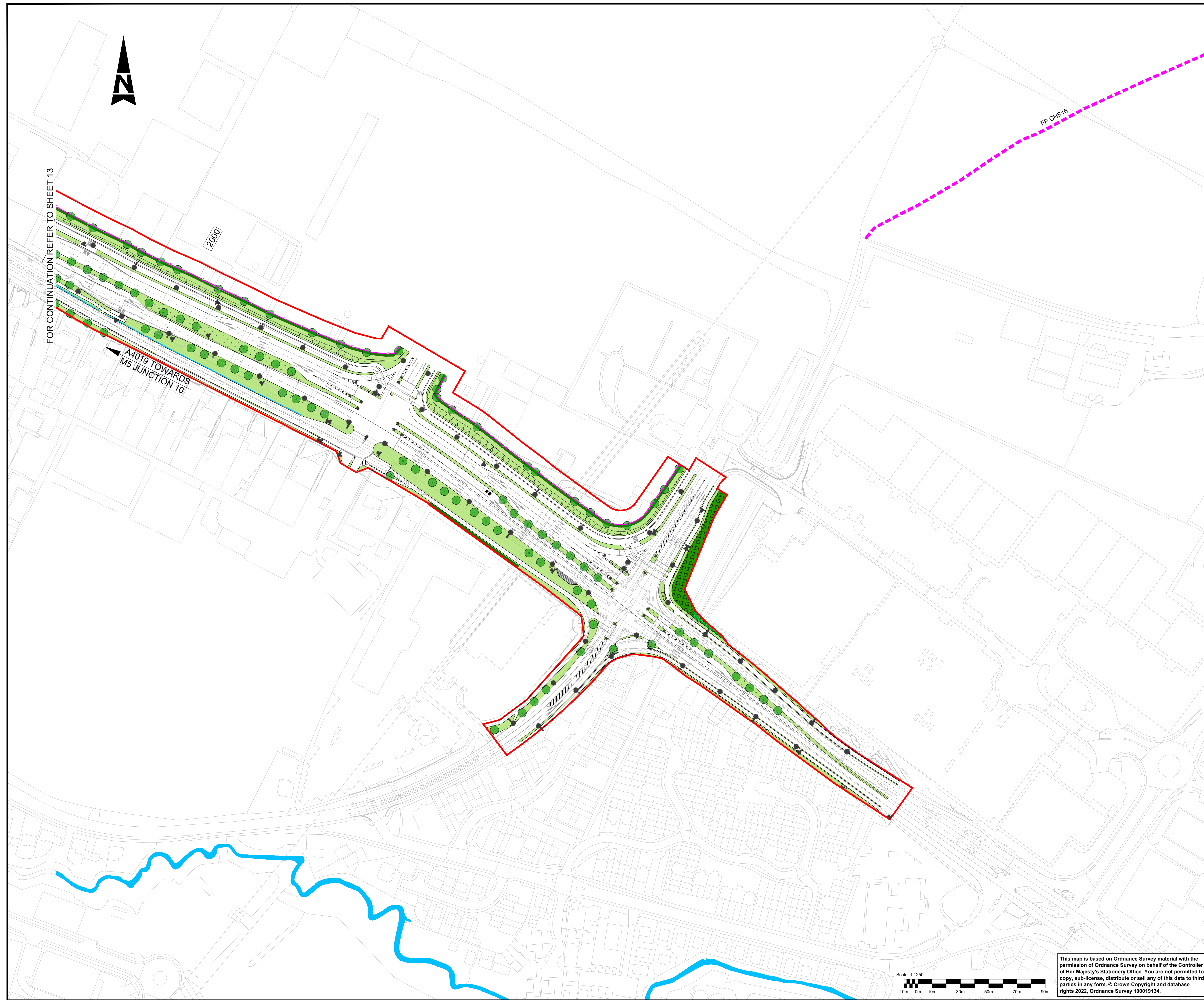


- NOTES:**
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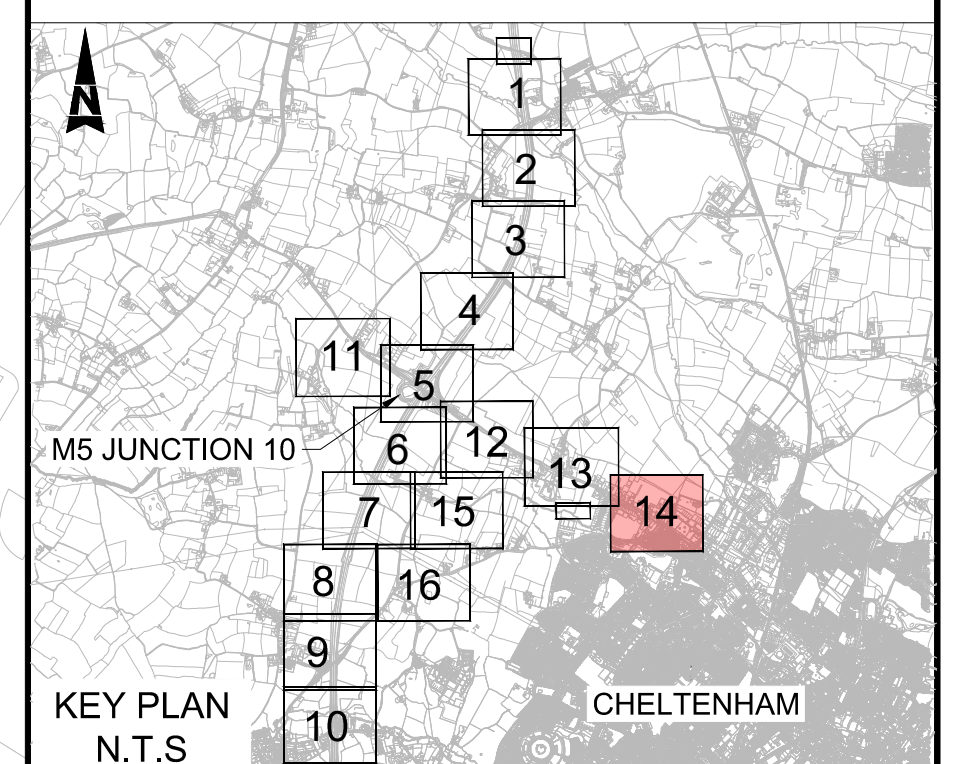


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| REVISION 0 | A1 | C01 | AC | SS | CDC | BM | 20/10/23 | |
| Drawing Suitability | APPROVED - PUBLISHED | | | | | | Status | A1 |

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|----------------|--|-------|----------|------------------|---------|-------|----------|
| Project Title | M5 Junction 10 Improvements Scheme | | | | | | |
| Drawing Title | ENVIRONMENTAL MASTER PLAN SHEET 12 OF 16 | | | | | | |
| Drawing Number | GCCM5J10 | ATK | ELS | ZZ | DR | LL | 000128 |
| Original Size | A1 | Scale | AS SHOWN | Project Ref. No. | 5197035 | Sheet | 12 of 16 |
| | | | | | | Rev | C01 |



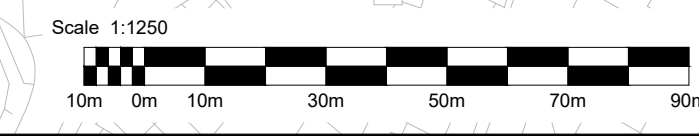
- NOTES:**
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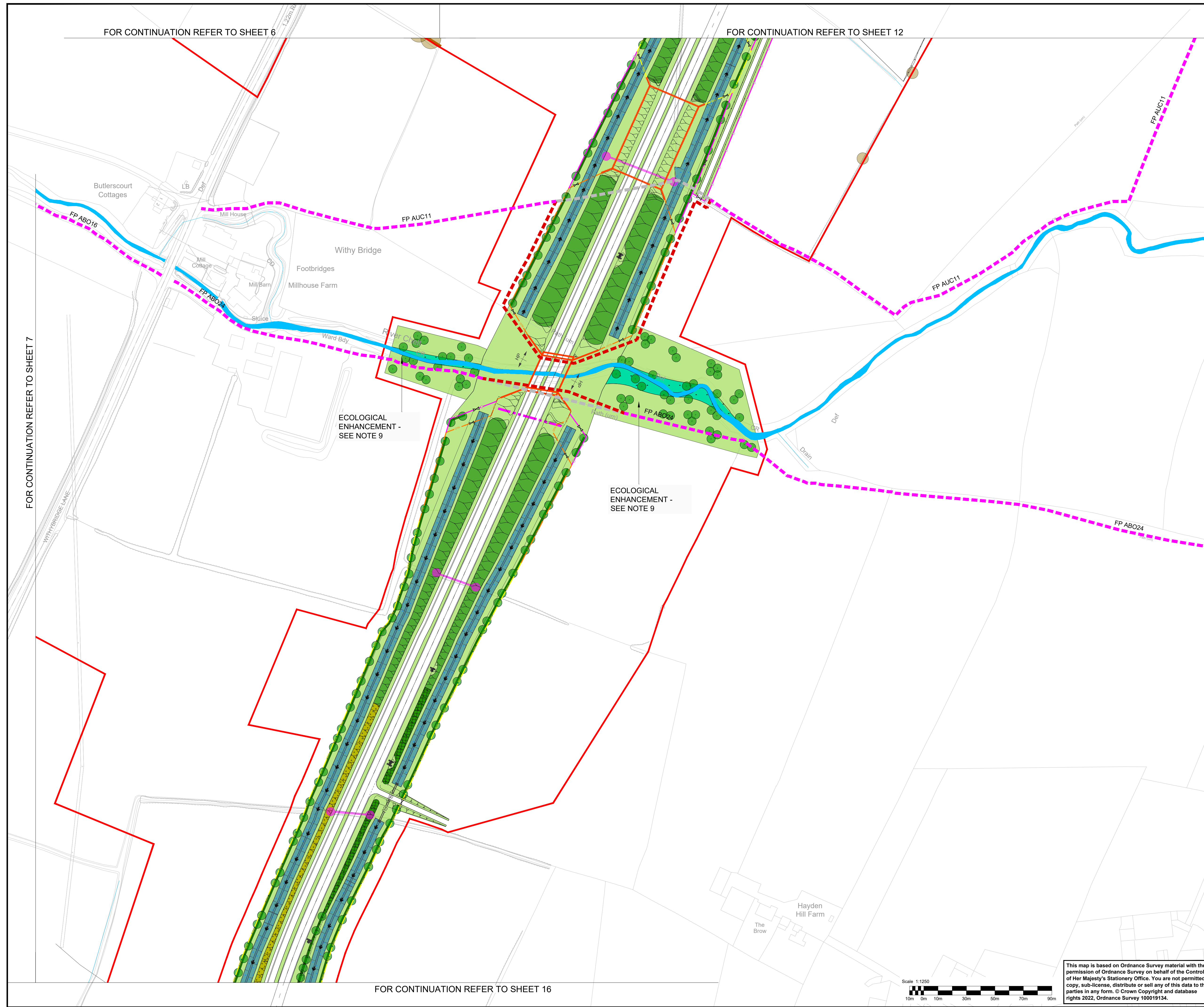


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| Status | Revision | Drawn | Checked | Reviewed | Authorised | Issue Date |
| A1 | C01 | AC | SS | CDC | BM | 20/10/23 |
| Drawing Suitability | | | | | | Status |
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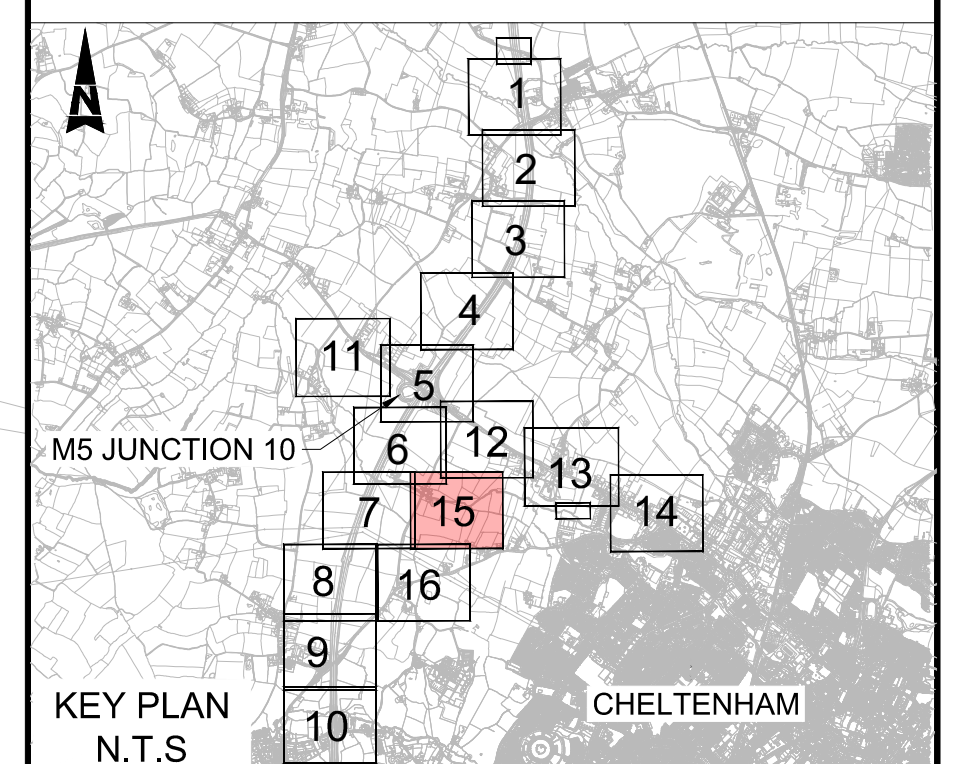
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| Project Title | | | |
| M5 Junction 10 Improvements Scheme | | | |
| Drawing Title | | | |
| ENVIRONMENTAL MASTER PLAN SHEET 14 OF 16 | | | |
| Drawing Number | | | |
| GCCM5J10 | ATK | ELS | |
| ZZ | DR | LL | 000130 |
| Original Size: A1 | Scale: AS SHOWN | Project Ref. No.: 5197035 | Sheet: 14 of 16 Rev: C01 |

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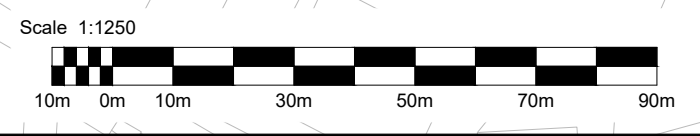
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| Status | Revision | Drawn | Checked | Reviewed | Authorised | Issue Date |
| A1 | C01 | AC | SS | CDC | BM | 20/10/23 |
| Drawing Suitability | | | | | | Status |
| APPROVED - PUBLISHED | | | | | | A1 |

Project Title
M5 Junction 10 Improvements Scheme

Drawing Title
ENVIRONMENTAL MASTER PLAN
SHEET 15 OF 16

Drawing Number
GCCM5J10 ATK ELS
ZZ DR LL 000131

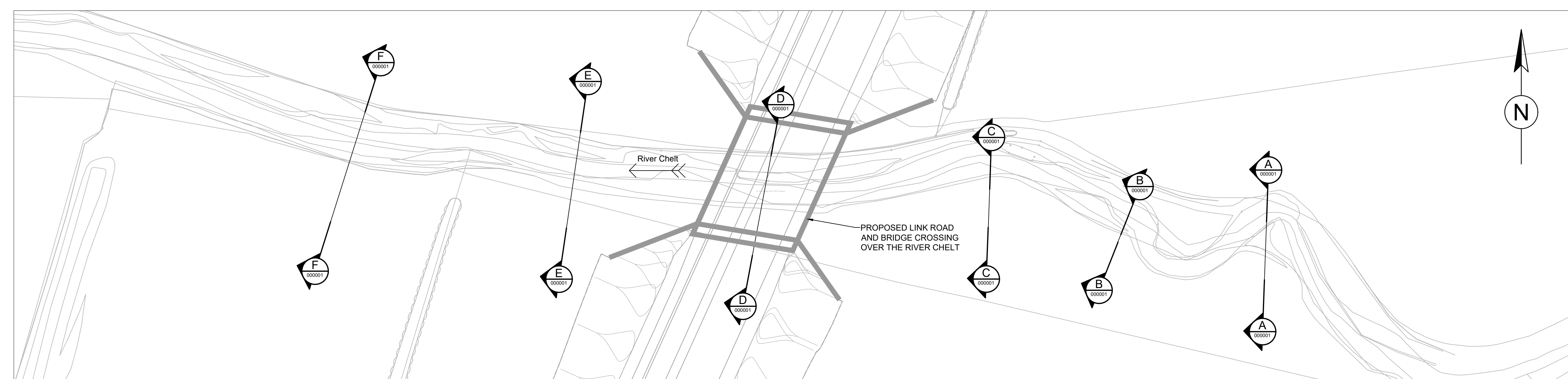
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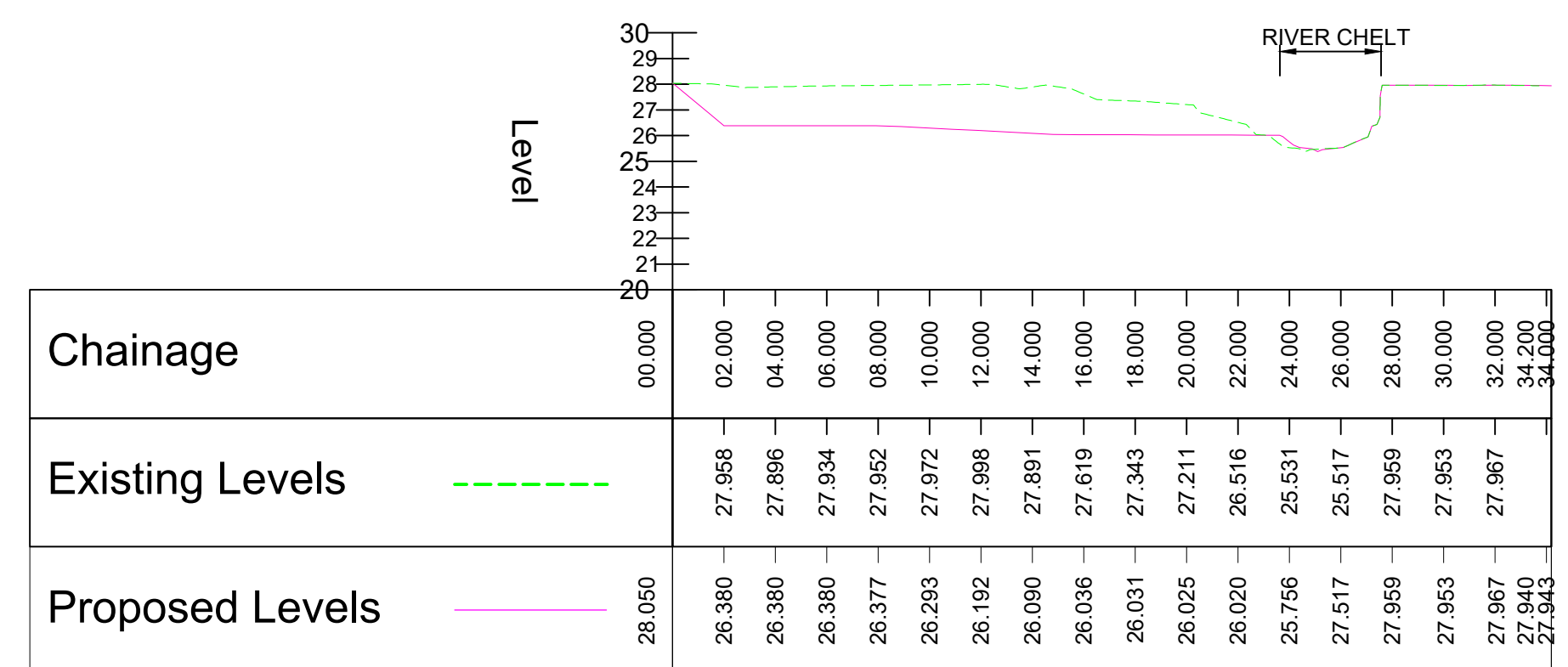
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DO NOT SCALE

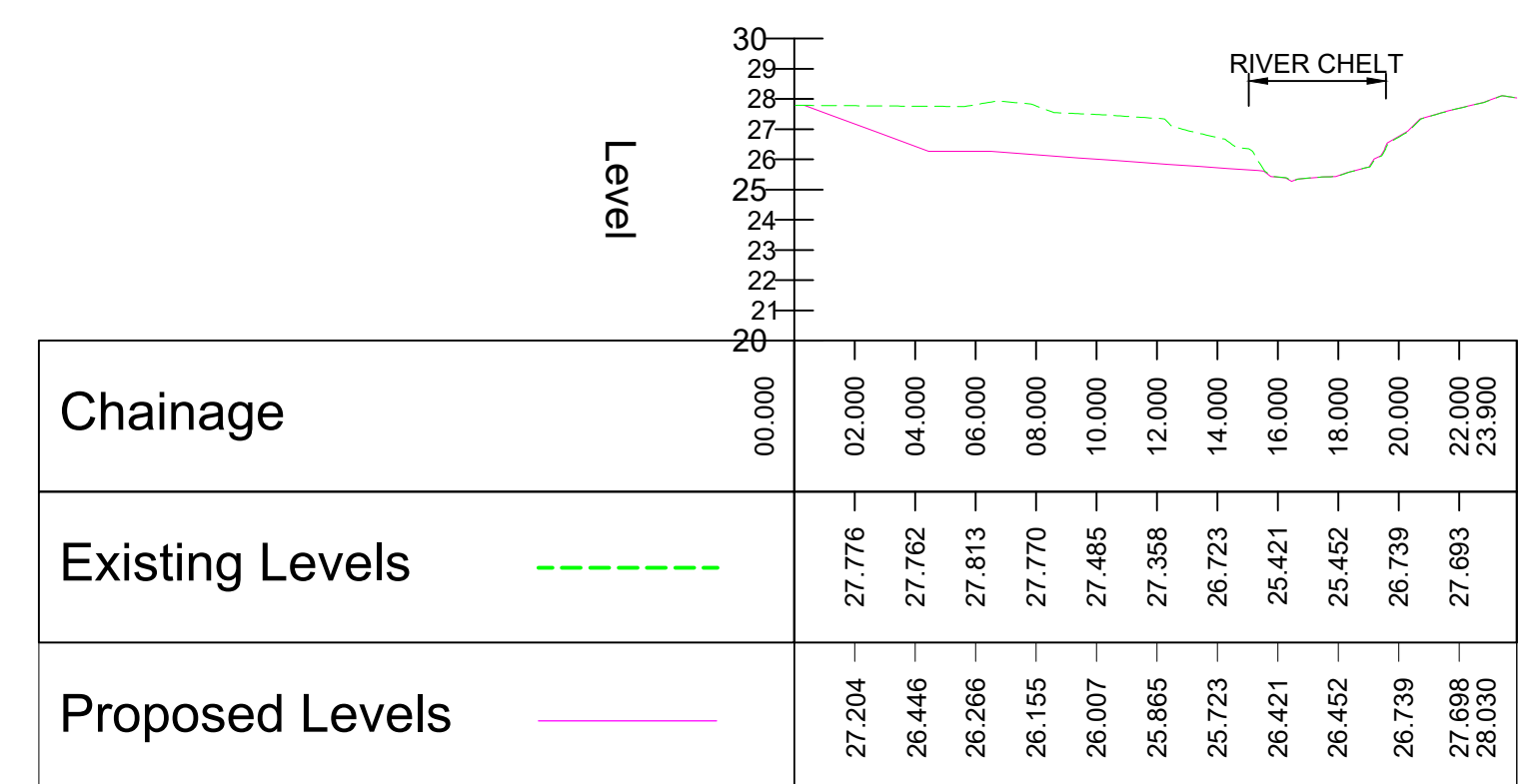
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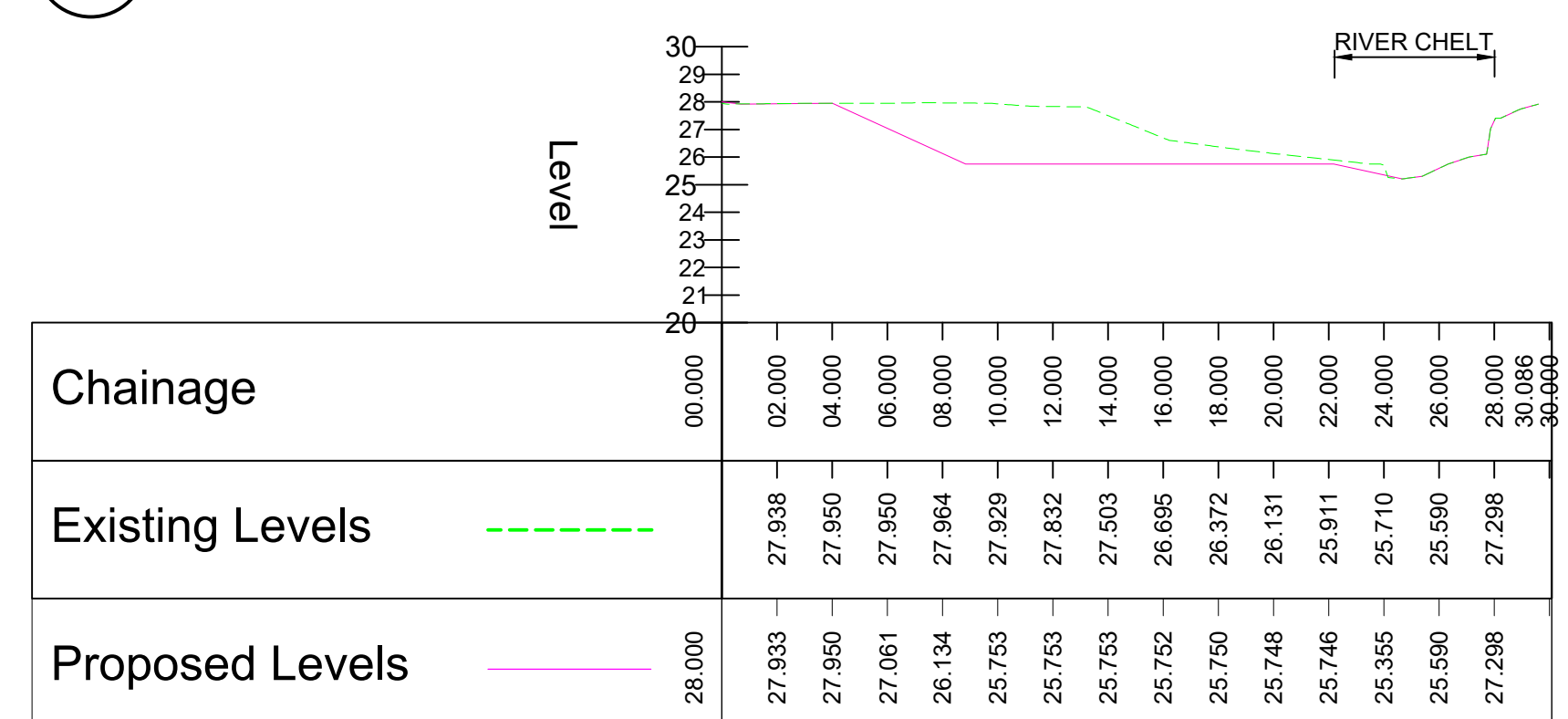
CROSS-SECTION LOCATION PLAN



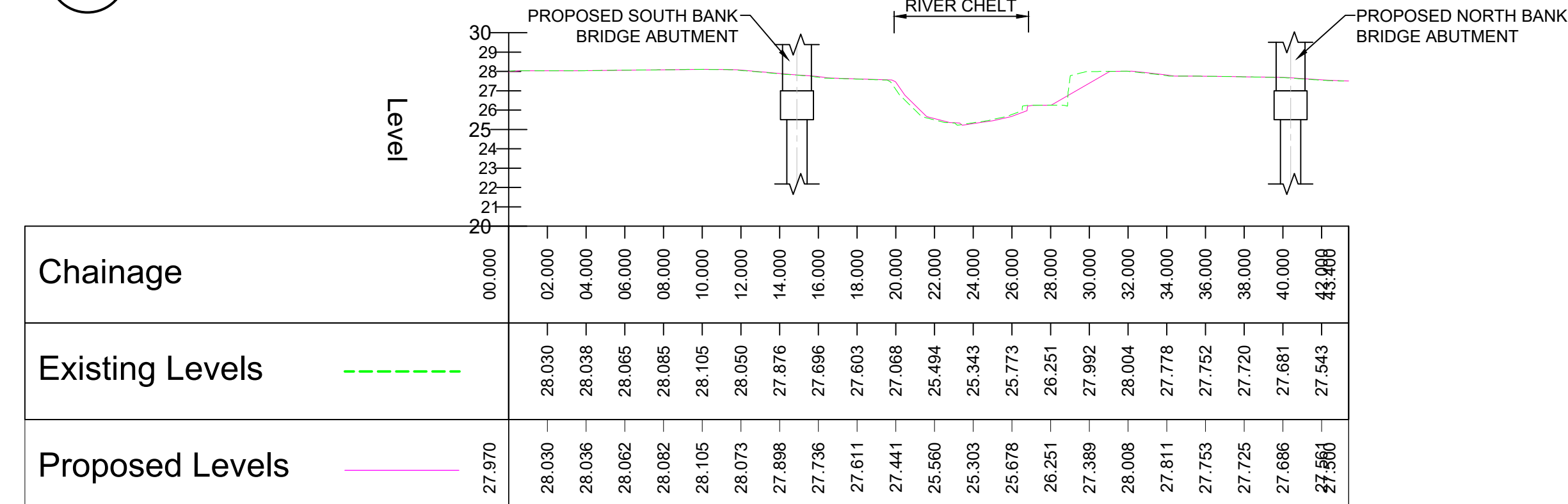
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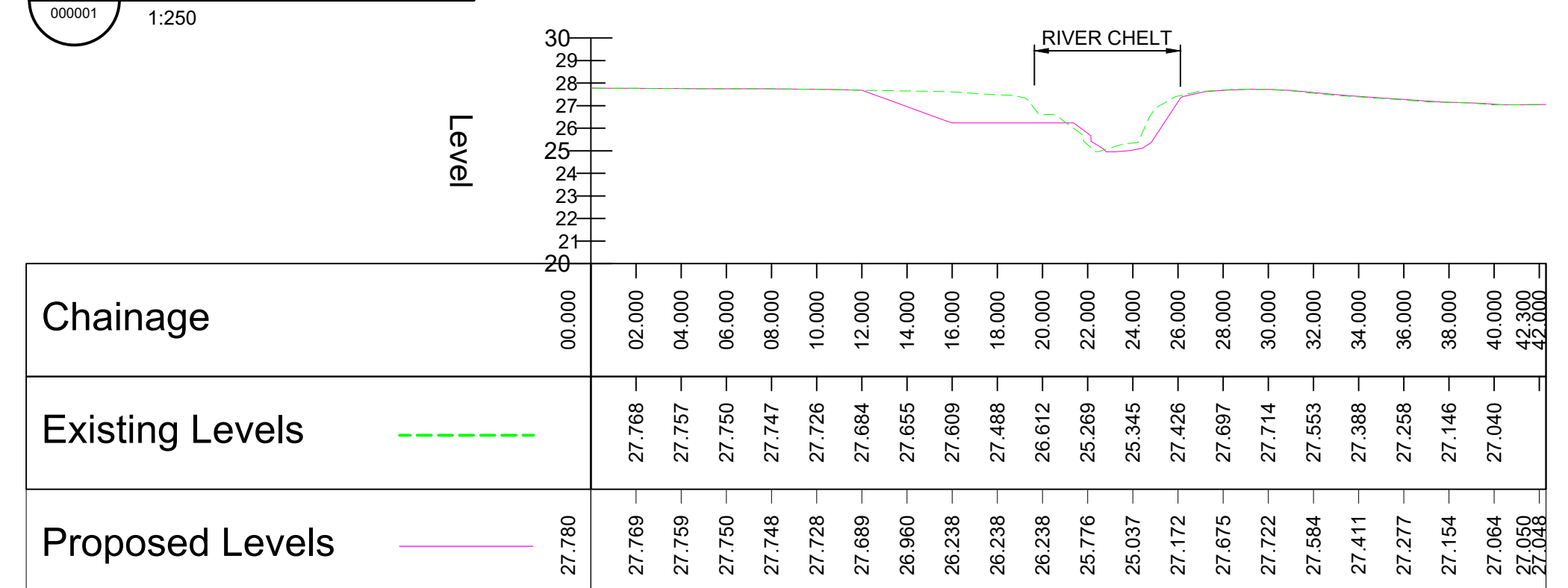
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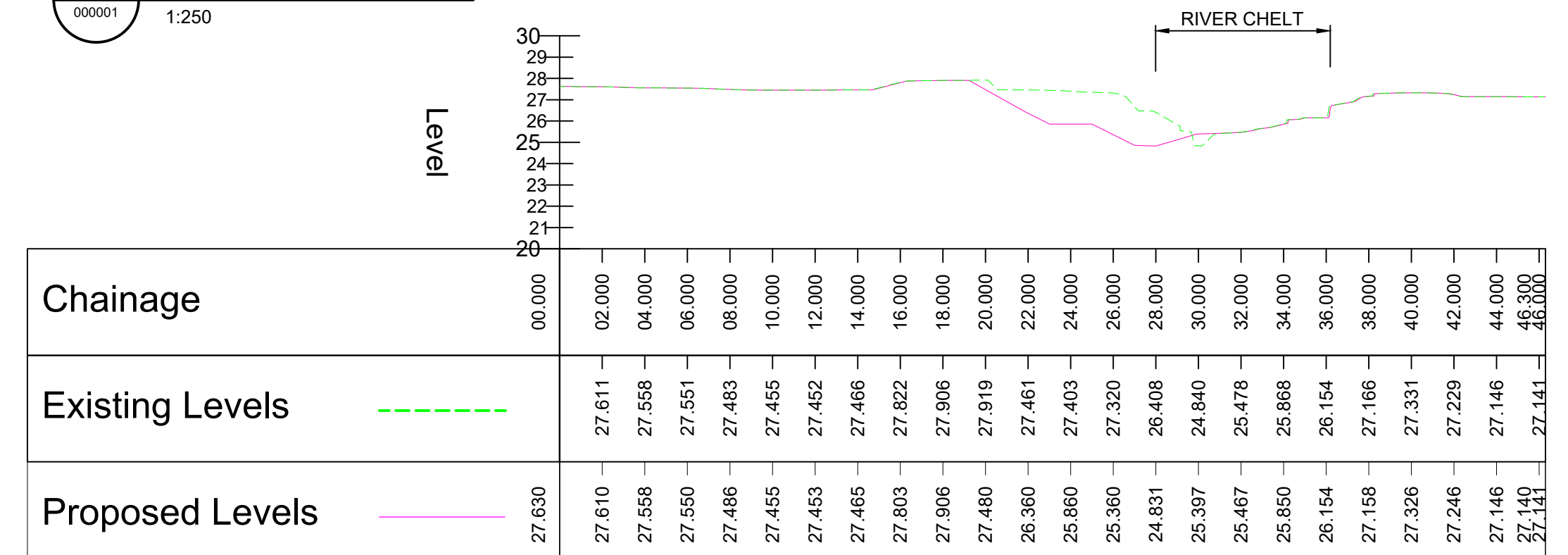
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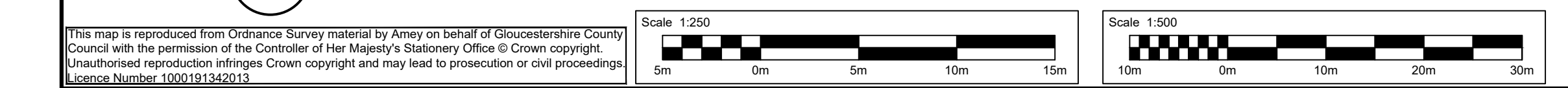
D CROSS-SECTION
1:250



E CROSS-SECTION
1:250



F CROSS-SECTION
1:250



- NOTES :**
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER ENVIRONMENTAL DRAWINGS.
 - ALL DIMENSIONS ARE IN METRES AND ALL LEVELS ARE IN METRES ABOVE ORDNANCE DATUM (AOD) UNLESS OTHERWISE STATED.
 - DETAILS OF BANK PROTECTION UNDER THE BRIDGE TO BE CONFIRMED AT THE NEXT STAGE.
 - FOOTPATH AND ACCESS TRACK TO BE RETAINED ON THE SOUTH BANK.

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 to the design hazard log).

| | |
|------------------------------|------|
| Construction | None |
| Maintenance / Cleaning | None |
| Use | None |
| Decommissioning / Demolition | None |

| Description | Status | Revision | Drawn | Checked | Reviewed | Authorised | Issue Date |
|-------------|--------|----------|-------|---------|----------|------------|------------|
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| Issue for Client comment | | | | | | | |
|--------------------------|----------|-------|---------|----------|------------|------------|--|
| Status | Revision | Drawn | Checked | Reviewed | Authorised | Issue Date | |
| A1 | CO1 | ME | LB | SM | TT | 01/07/22 | |

APPROVED - PUBLISHED A1

ATKINS
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5th Floor, Block 5
Shire Hall
Bearland
Gloucester
GL1 2TH
Tel: 08000 514514

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Gloucestershire
COUNTY COUNCIL

Project Title
M5 Junction 10 Improvements Scheme

Drawing Title
Proposed Indicative River Chelt Link Road River Cross-Sections

| | | | |
|----------------|----------|------------------|--------|
| Drawing Number | Project | Originator | Volume |
| GCCM5J10 | - ATK | - EWE | - |
| Location | Scale | Project Ref. No. | Sheet |
| A1 | AS SHOWN | 5197035 | 1 of 1 |
| Original Size | Scale | Project Ref. No. | Rev. |
| A1 | AS SHOWN | 5197035 | C01 |

ATKINS

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5th Floor, Block 5
Shire Hall
Bearland
Gloucester
GL1 2TH