

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

July 2024

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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 1

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
Rev 1	July 2024	Deadline 3

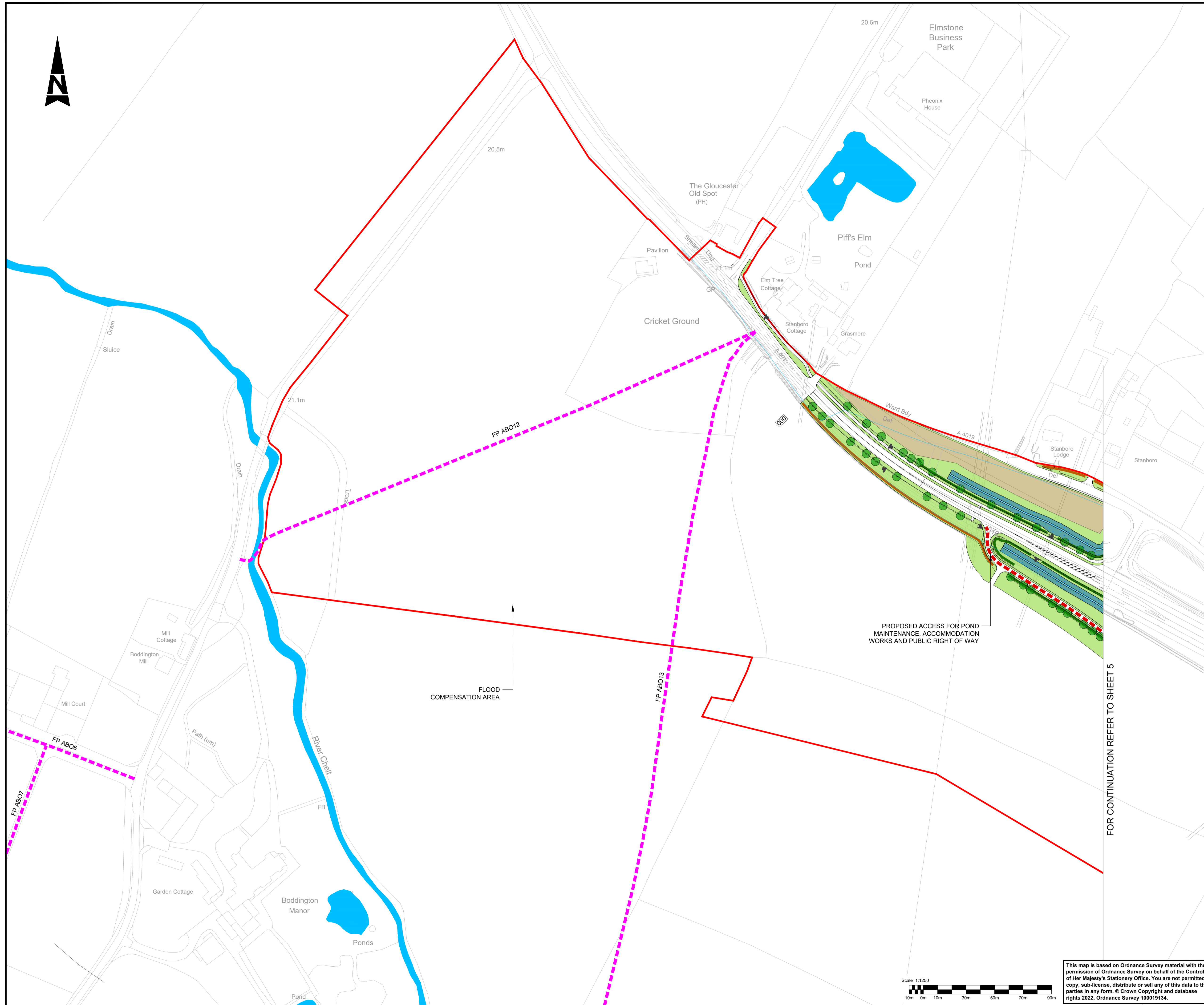
1. Schedule of Plans included in this application document.

1.1. List of drawings in Part 1

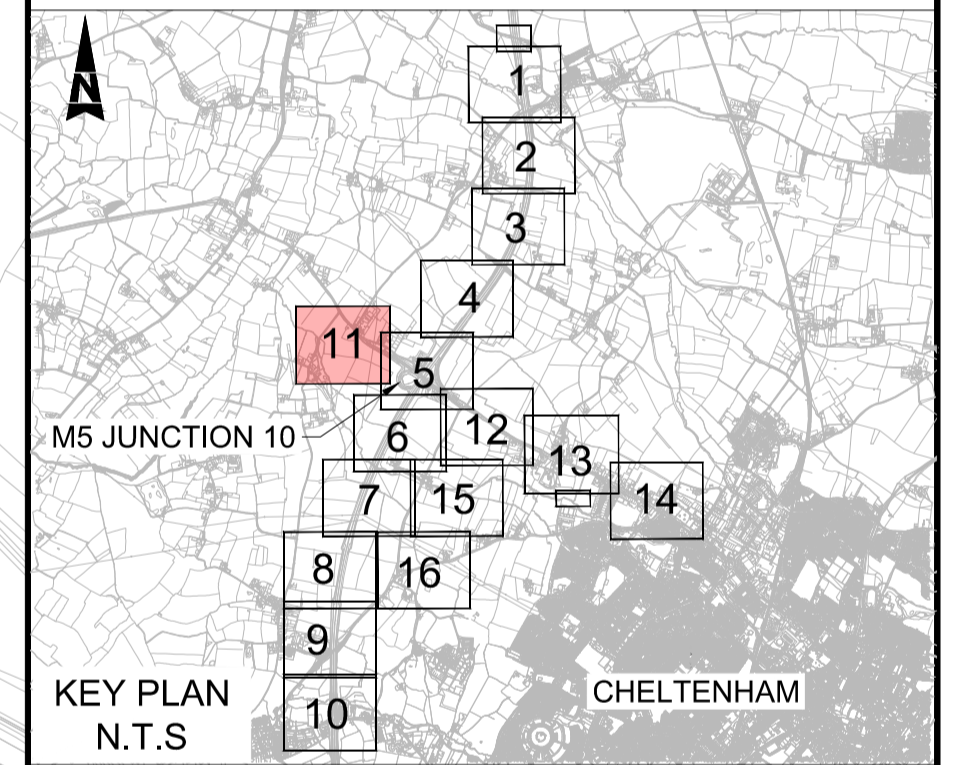
Document title	Document number	Version
Environmental Key Plan Regulation 5(2)(j)	TR010063 – APP 2.13	C01
Environmental Master Plan Key	TR010063 – APP 2.13	C01
Environmental Master Plan – Sheet 1 of 16	TR010063 – APP 2.13	C01
Environmental Master Plan – Sheet 2 of 16	TR010063 – APP 2.13	C01
Environmental Master Plan – Sheet 3 of 16	TR010063 – APP 2.13	C01
Environmental Master Plan – Sheet 4 of 16	TR010063 – APP 2.13	C01 C02
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 C02
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.



FLOOD COMPENSATION AREA

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

FOR CONTINUATION REFER TO SHEET 5

Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date

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

Drawing Suitability: **APPROVED - PUBLISHED**

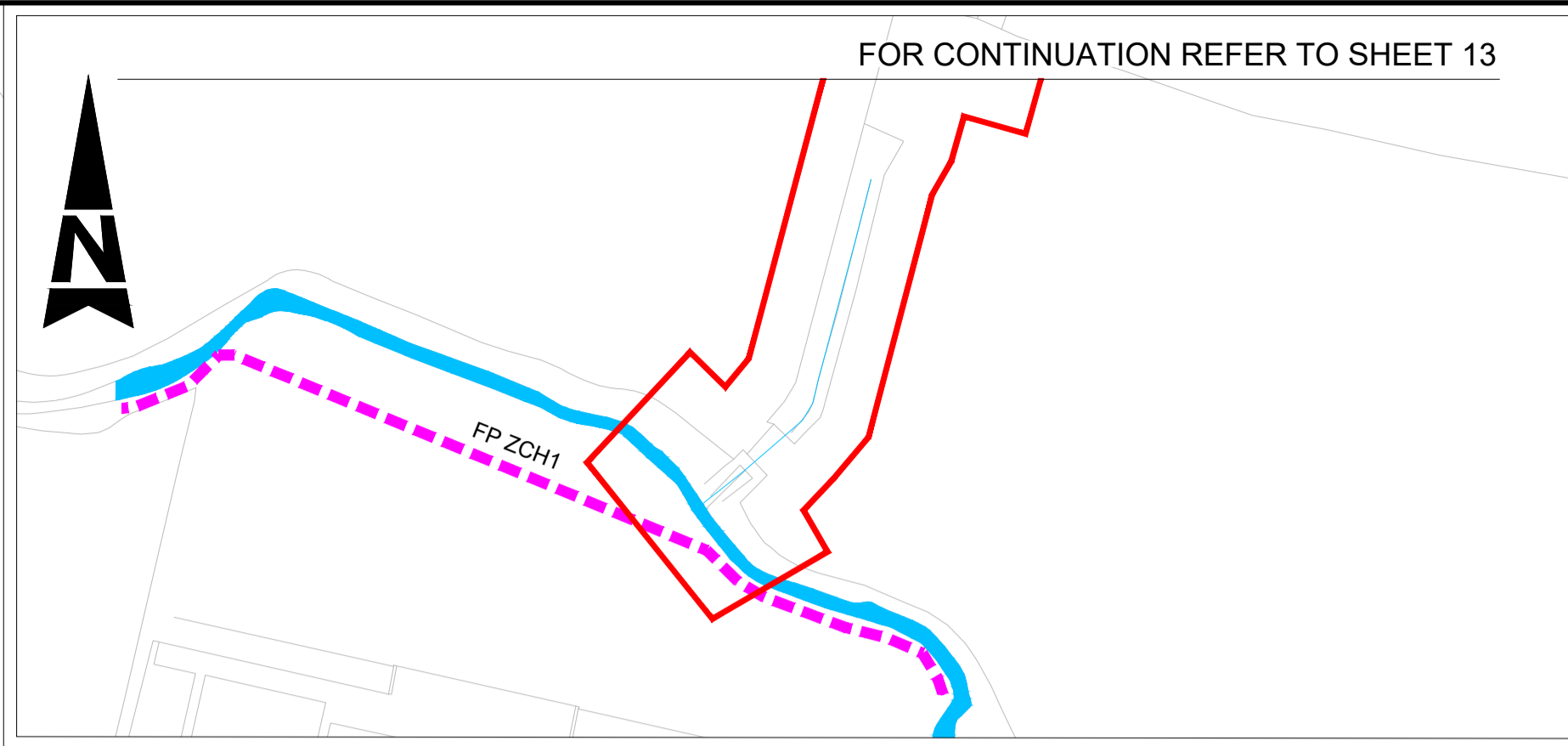
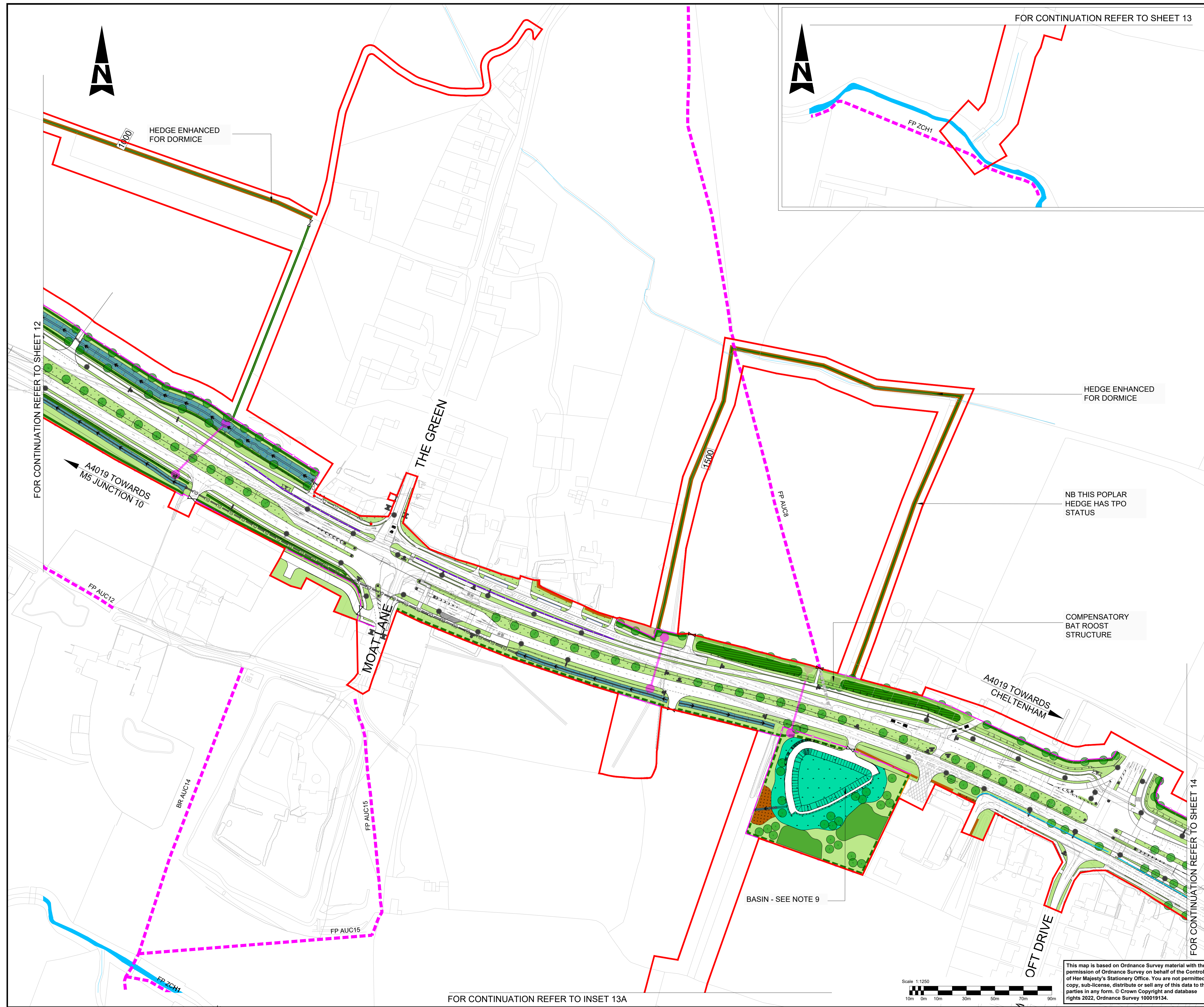
Project Title: **M5 Junction 10 Improvements Scheme**

Drawing Title: **ENVIRONMENTAL MASTER PLAN SHEET 11 OF 16**

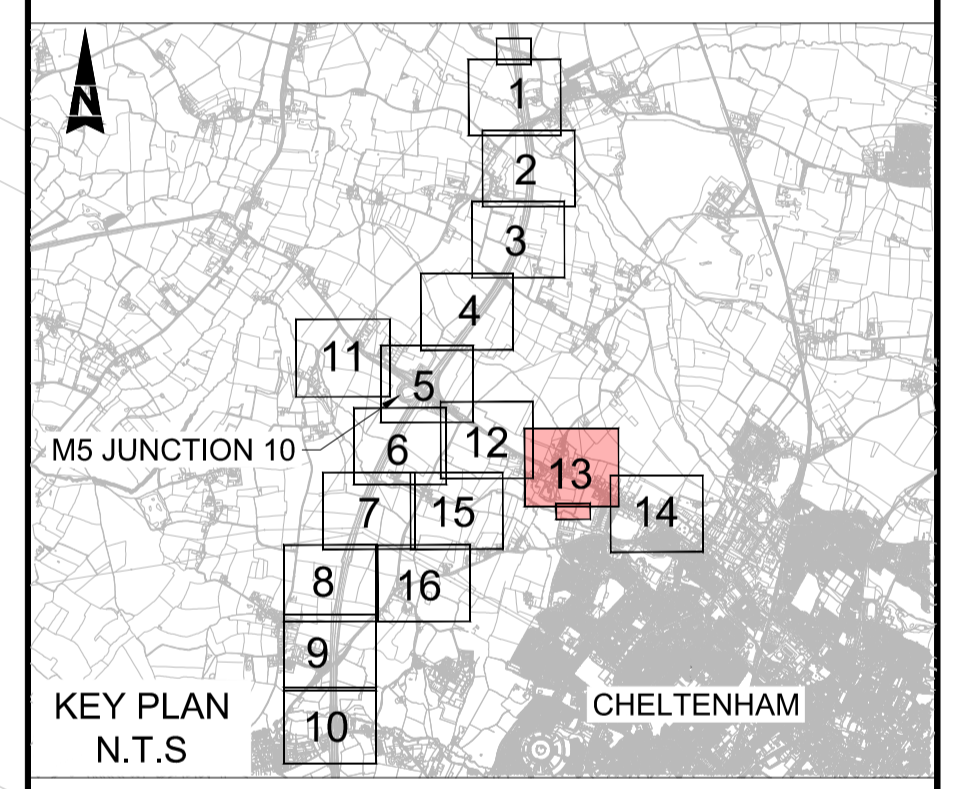
Drawing Number: **GCCM5J10 ATK ELS ZZ DR LL 000127**

Original Size: **A1** Scale: **AS SHOWN** Project Ref. No.: **5197035** Sheet: **11 of 16** Rev: **C01**

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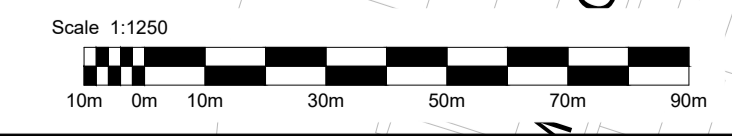
- NOTES:**
- ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.
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FOR CONTINUATION REFER TO SHEET 12

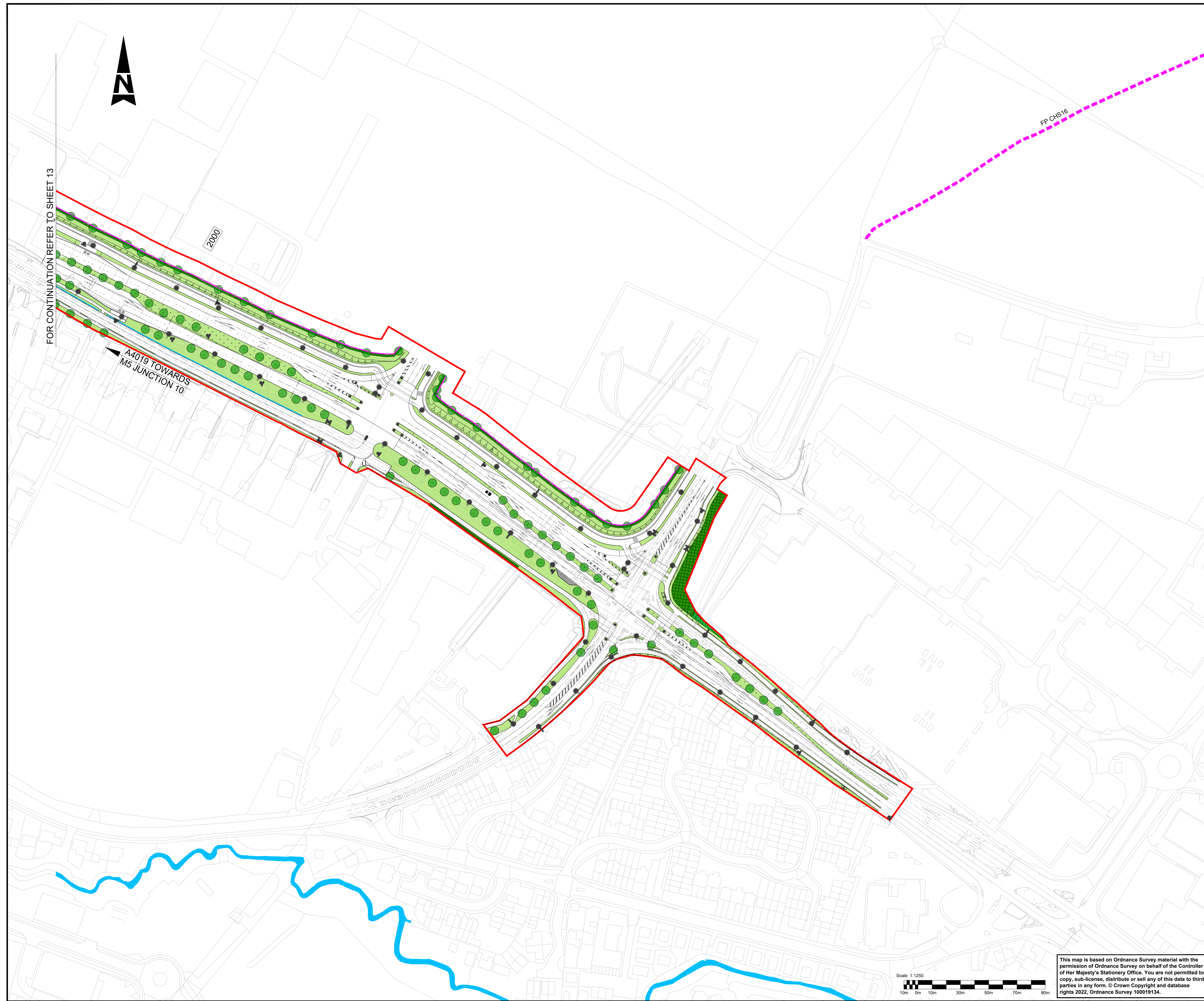
FOR CONTINUATION REFER TO SHEET 14

FOR CONTINUATION REFER TO INSET 13A

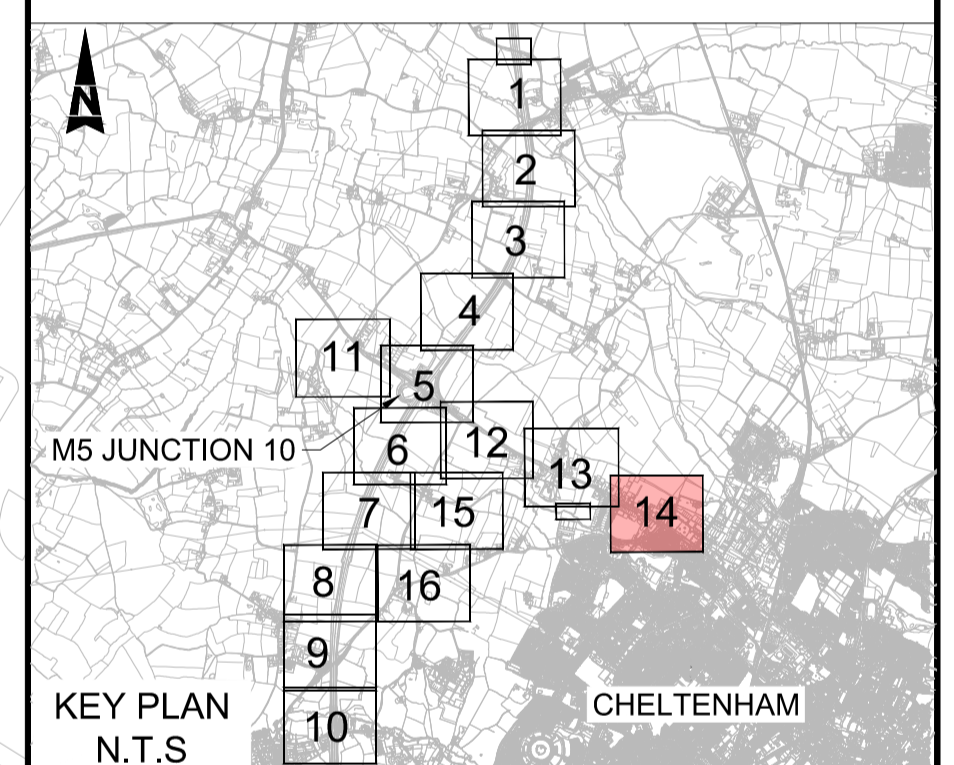


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Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
REVISION 0	A1	C01	AC	SS	CDC	BM	20/10/23
Drawing Suitability							Status
APPROVED - PUBLISHED							A1
Project Title							
M5 Junction 10 Improvements Scheme							
Drawing Title							
ENVIRONMENTAL MASTER PLAN SHEET 13 OF 16							
Drawing Number							
GCCM5J10		ATK		ELS		ZZ DR LL 000129	
Original Size: A1	Scale: AS SHOWN	Project Ref. No.: 5197035	Sheet: 13 of 16	Rev: C01			



- NOTES:**
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Description						
Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
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Description						
Description						
REVISION 0						
Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
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 14 OF 16**

Drawing Number: **GCCM5J10 ATK ELS ZZ DR LL 000130**

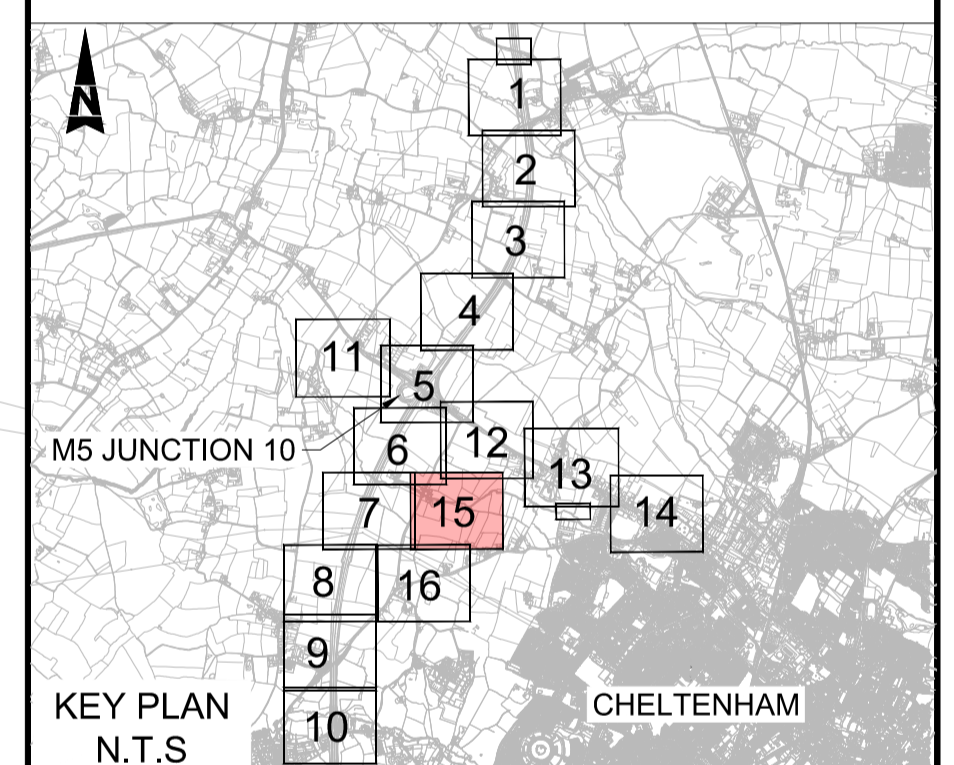
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Description						
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Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
A1	C01	AC	SS	CDC	BM	20/10/23
Drawing Suitability						Status
APPROVED - PUBLISHED						A1

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

Original Size: A1 **Scale:** AS SHOWN **Project Ref. No.:** 5197035 **Sheet:** 15 of 16 **Rev:** C01

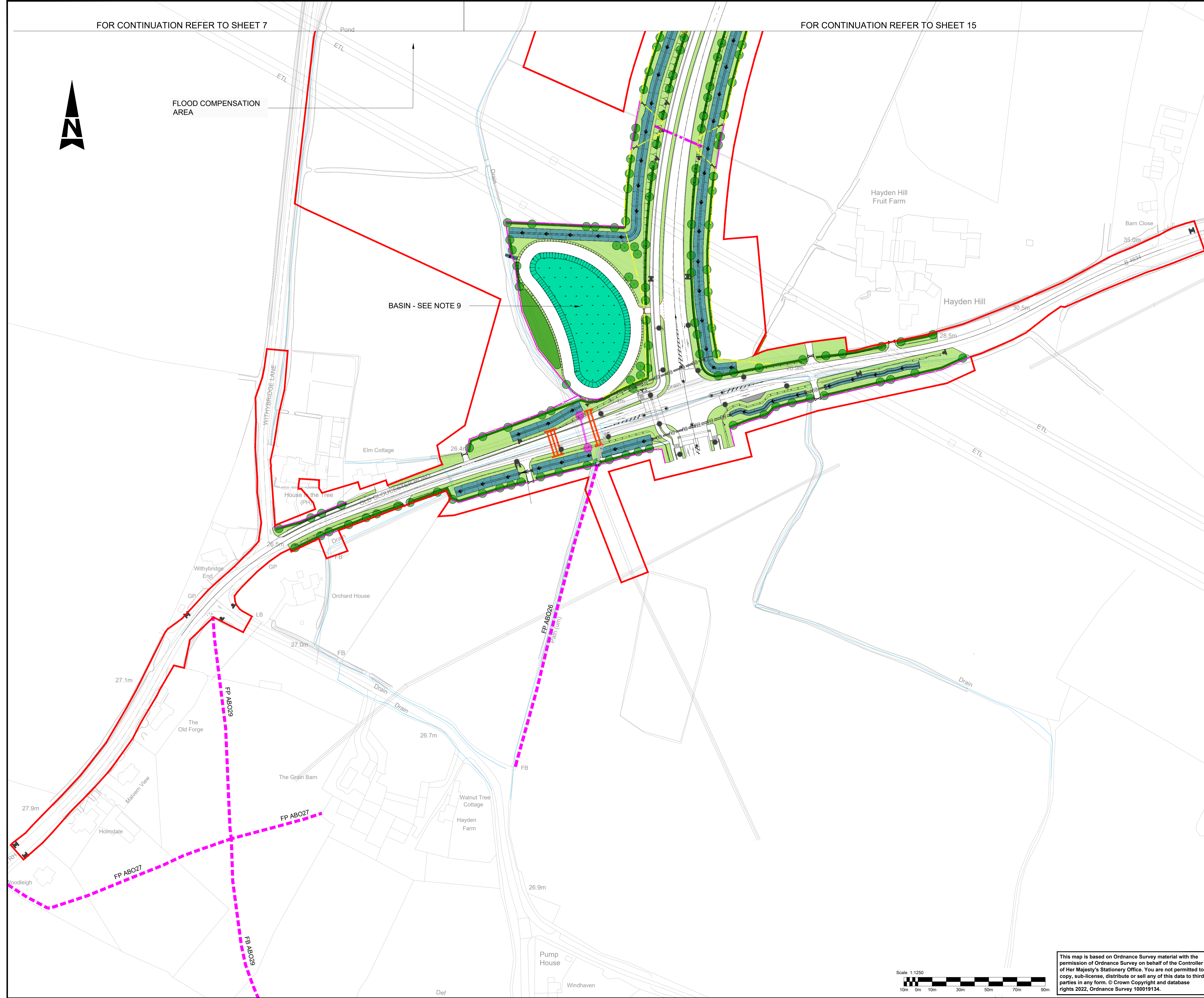
FOR CONTINUATION REFER TO SHEET 7

FOR CONTINUATION REFER TO SHEET 15



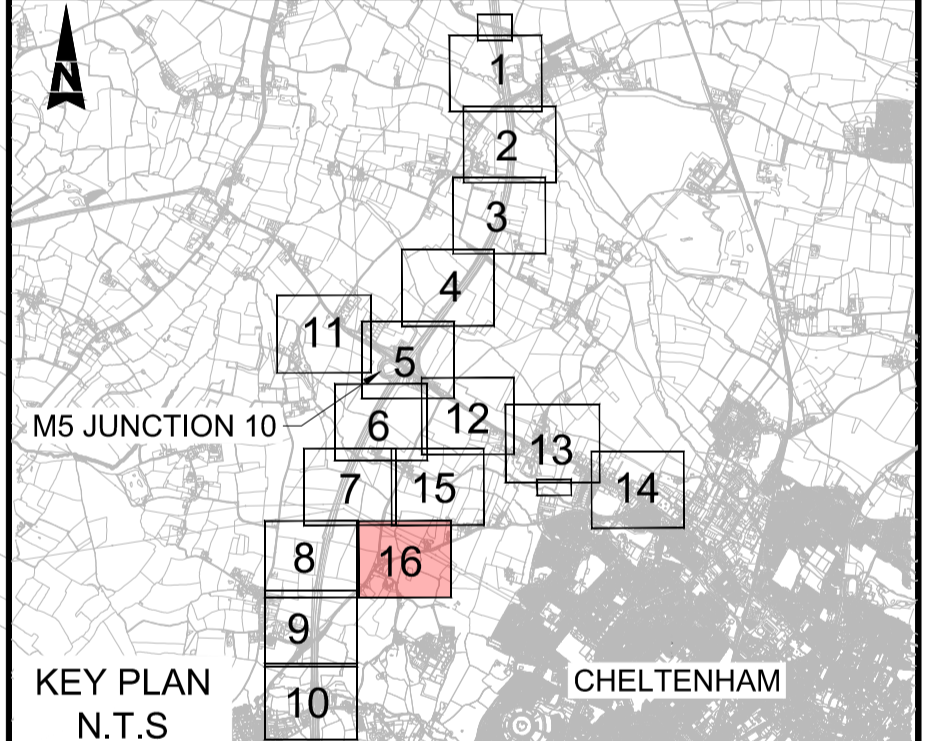
FLOOD COMPENSATION AREA

BASIN - SEE NOTE 9



NOTES:

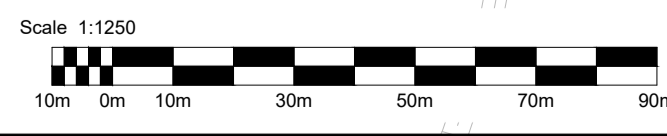
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Description						
Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
Description						
Description						
Description						
REVISION 0						
Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
A1	C01	AC	SS	CDC	BM	20/10/23
Drawing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

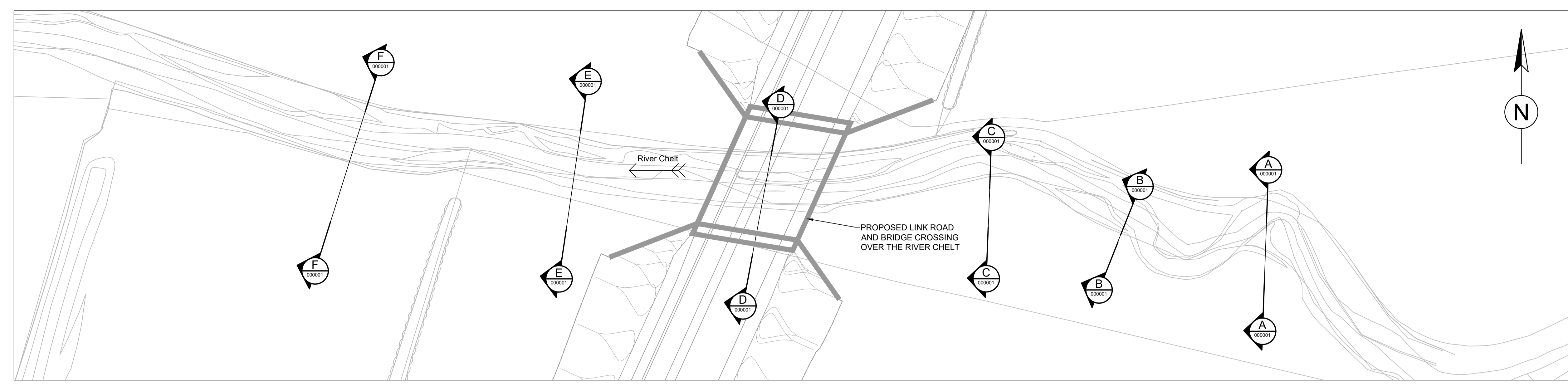
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M5 Junction 10 Improvements Scheme				
Drawing Title				
ENVIRONMENTAL MASTER PLAN SHEET 16 OF 16				
Drawing Number				
GCCM5J10 ZZ	ATK DR	ELS LL 000132		
Original Size	Scale	Project Ref. No.	Sheet	Rev
A1	AS SHOWN	5197035	16 of 16	C01

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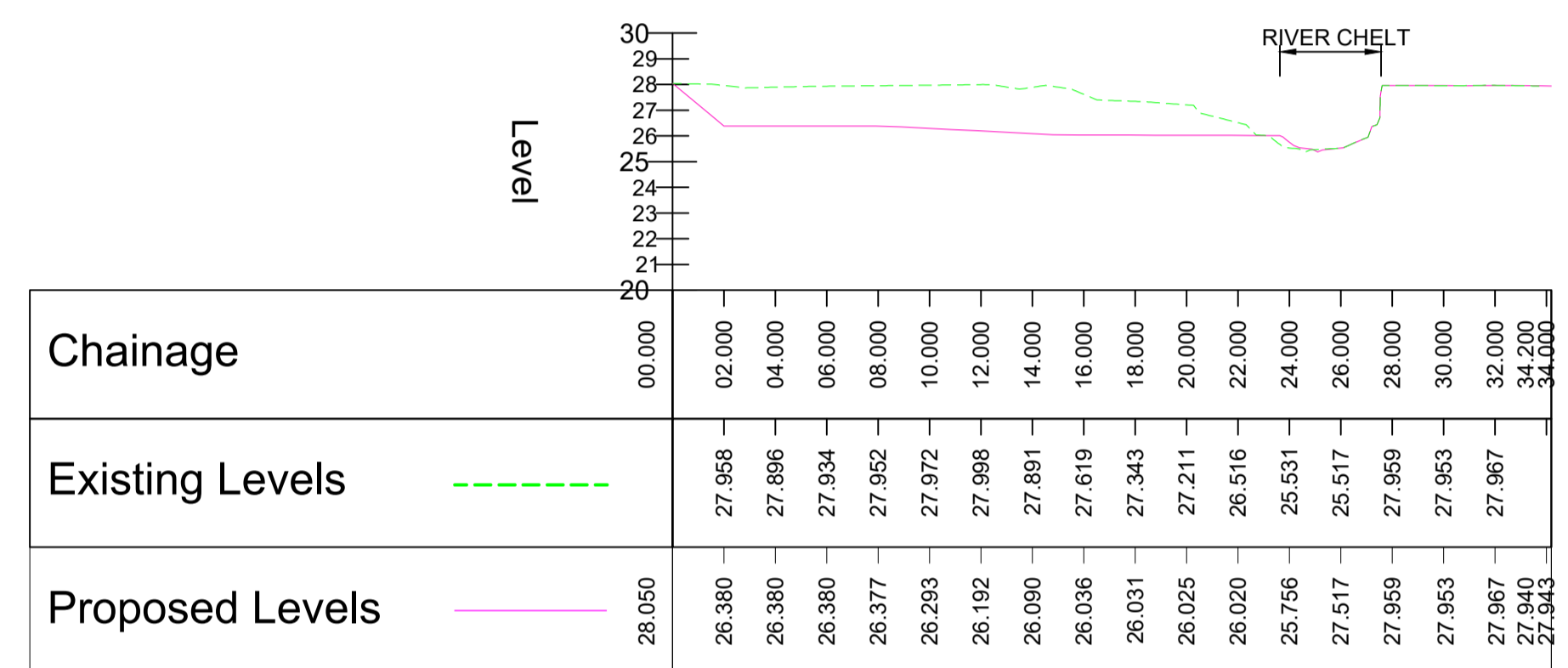
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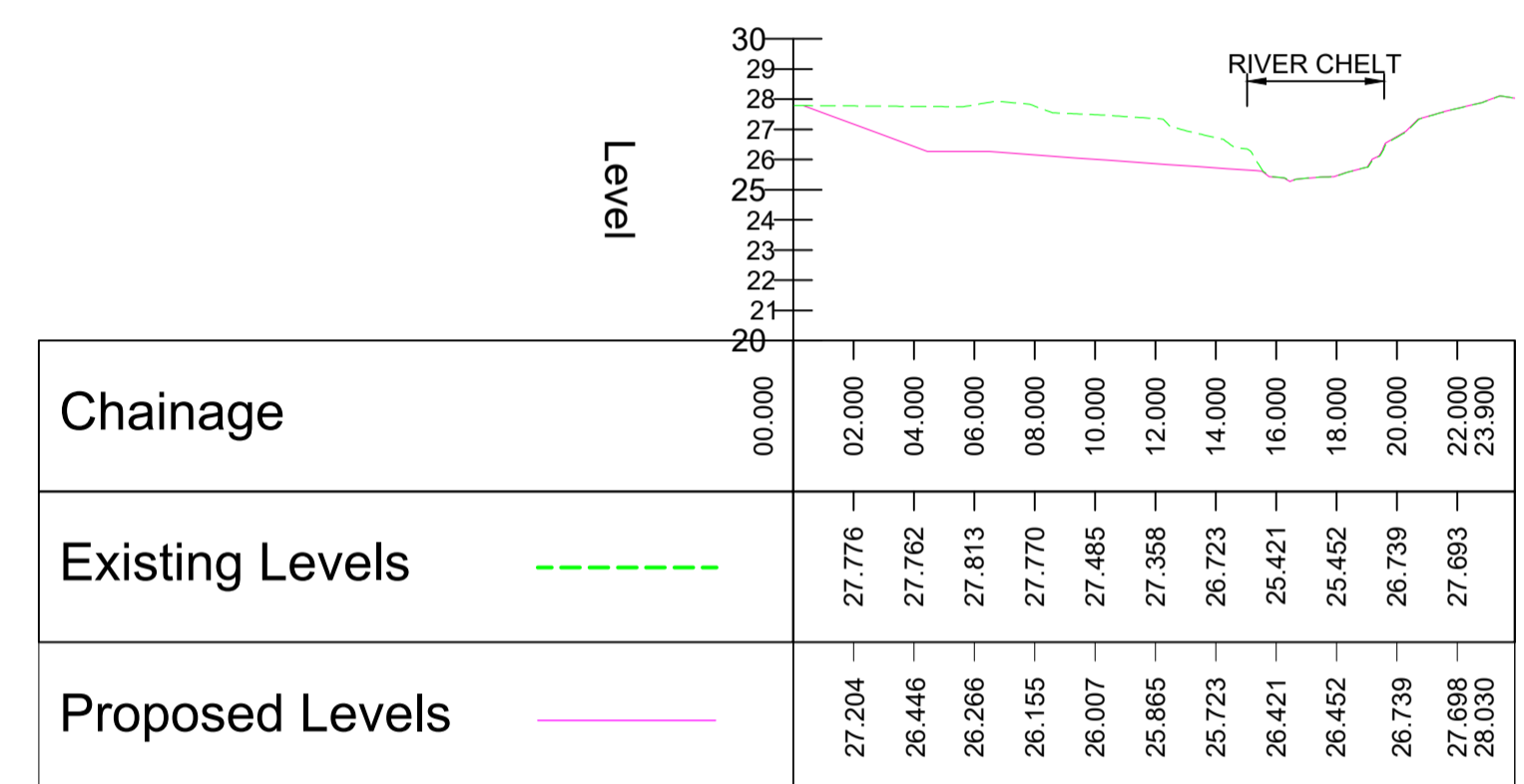


CROSS-SECTION LOCATION PLAN

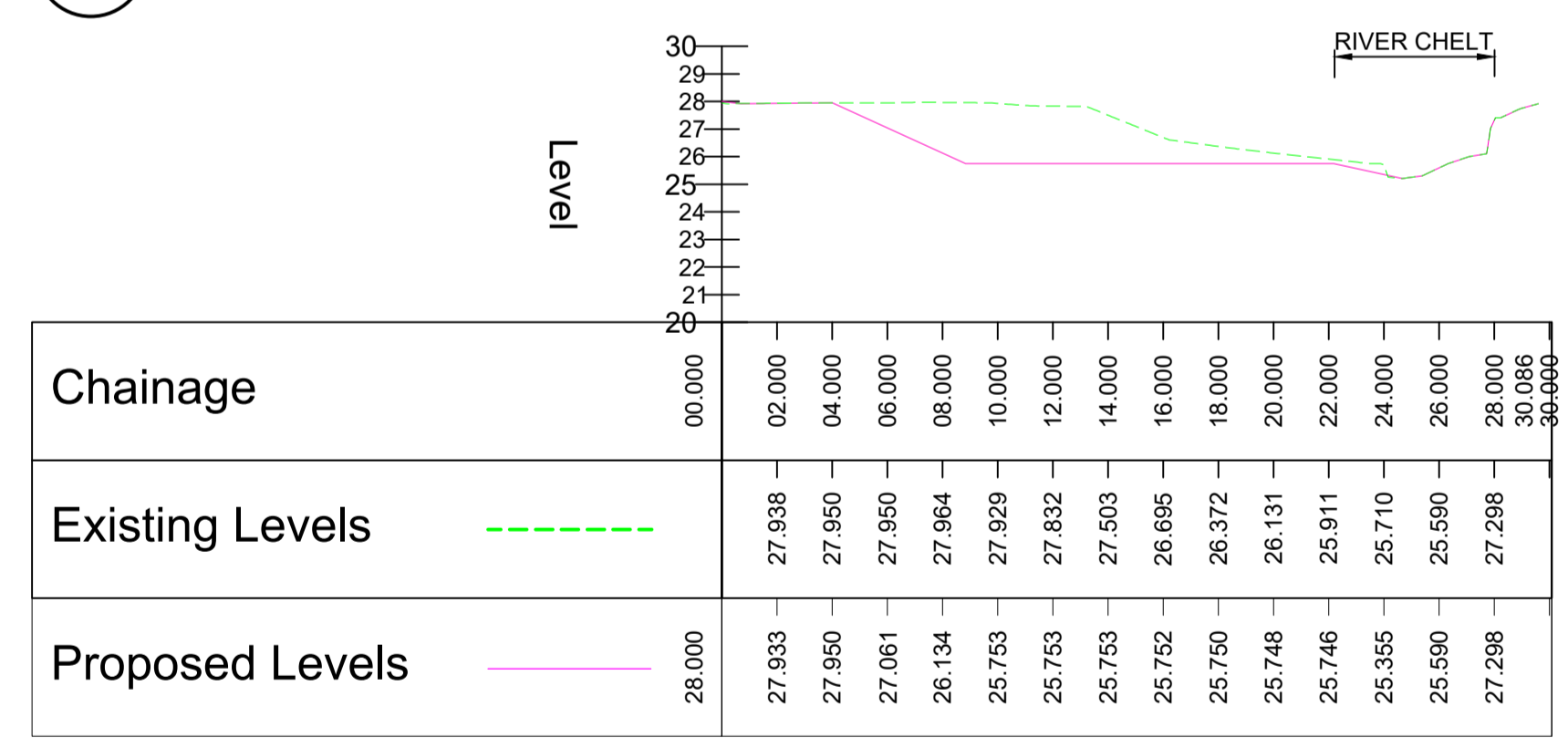
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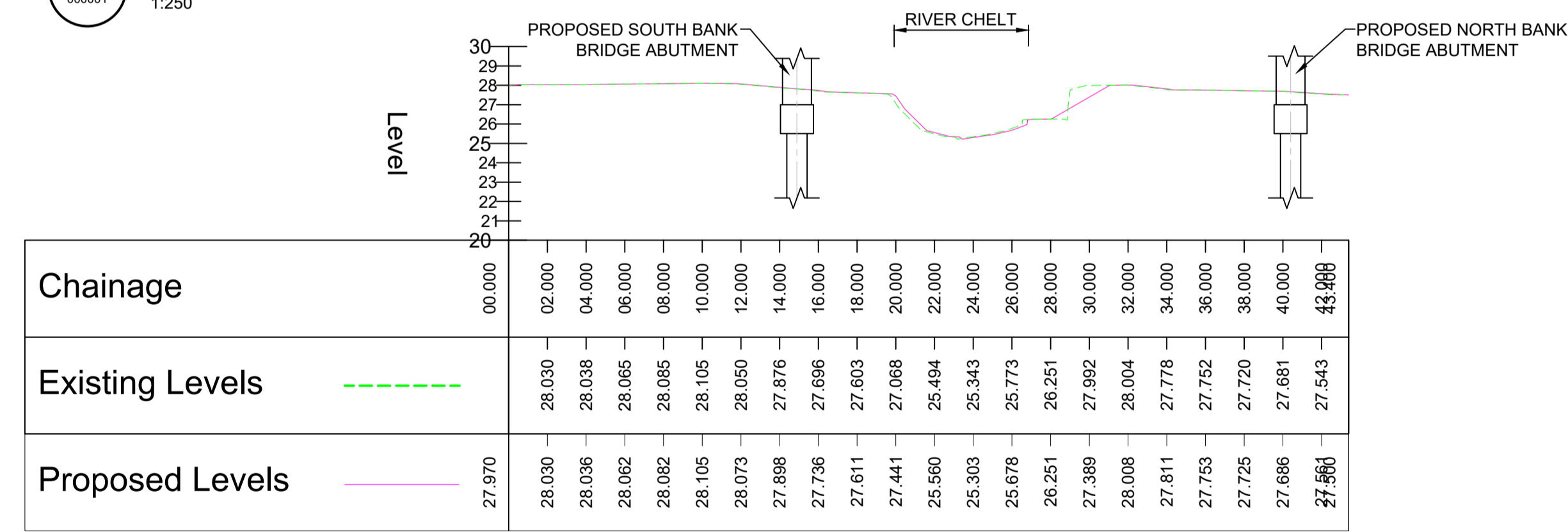
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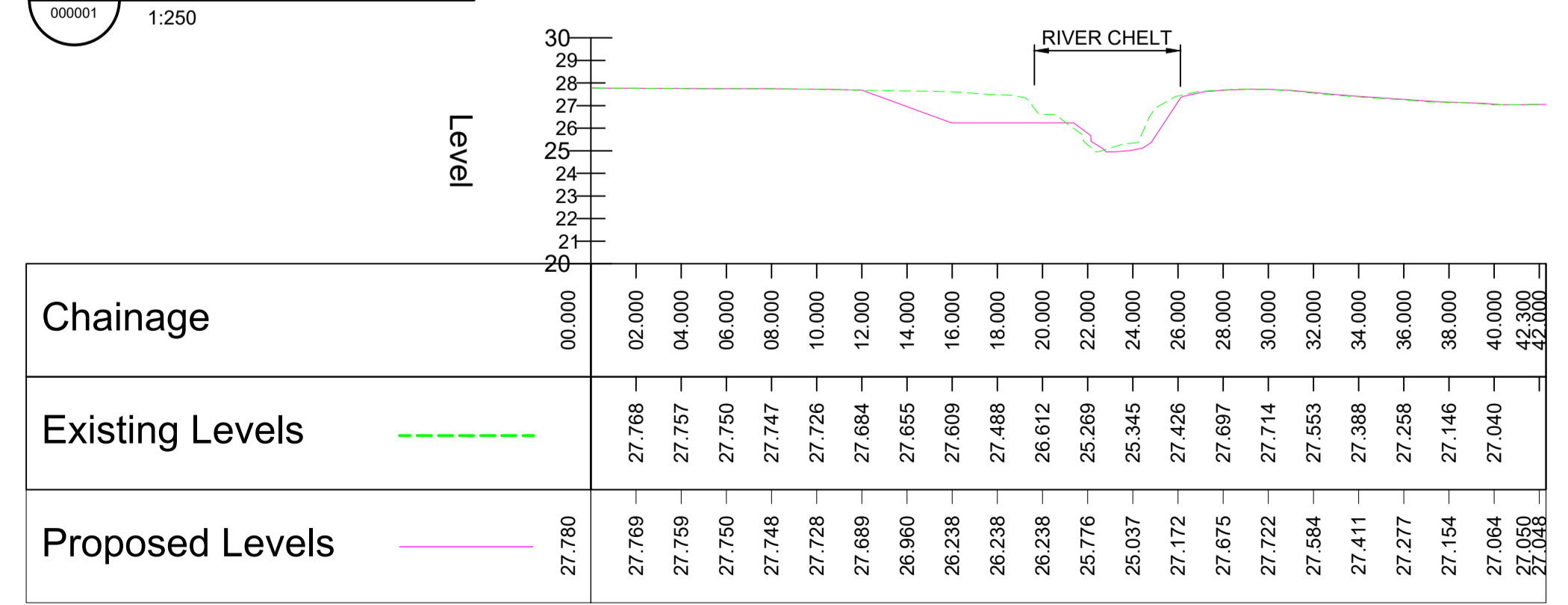
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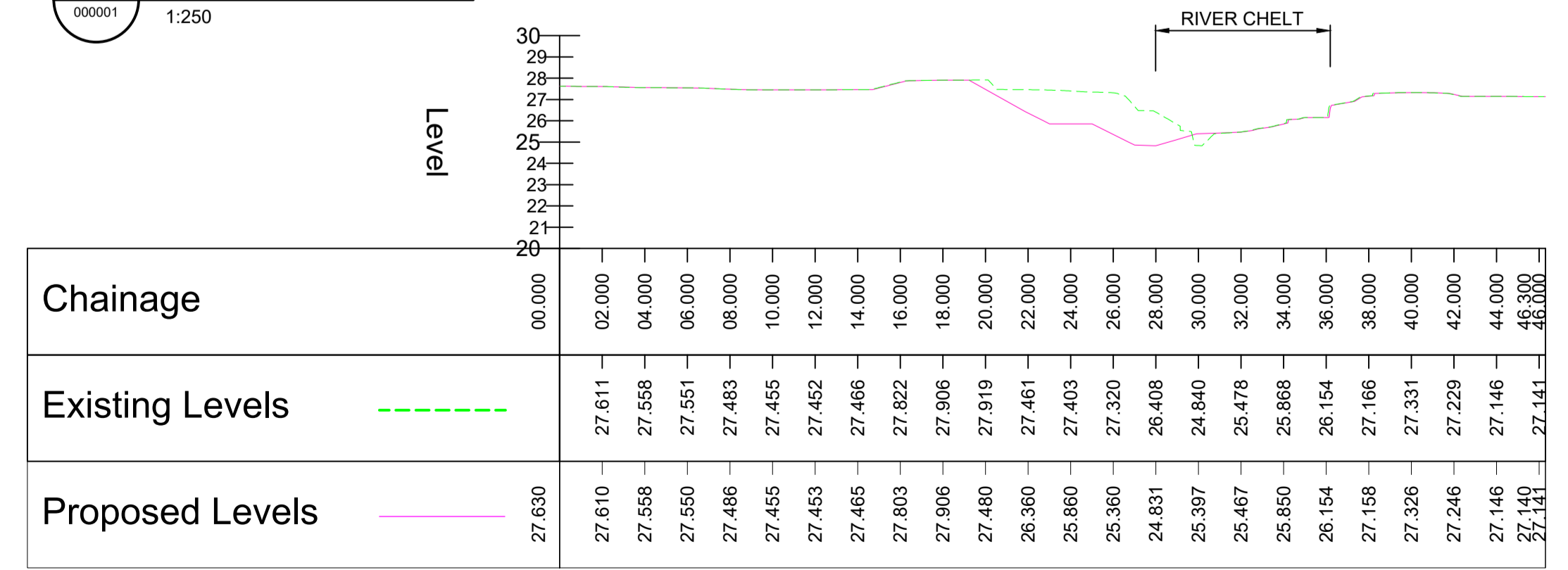
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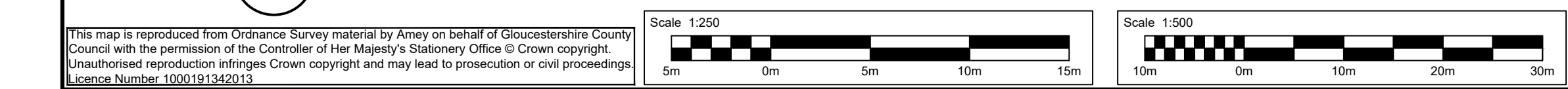
D CROSS-SECTION
1:250



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

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
Member of the SNC-Lavalin Group

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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	-
ZZ_PO	-	DR - LW -	000001
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

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Shire Hall
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GL1 2TH