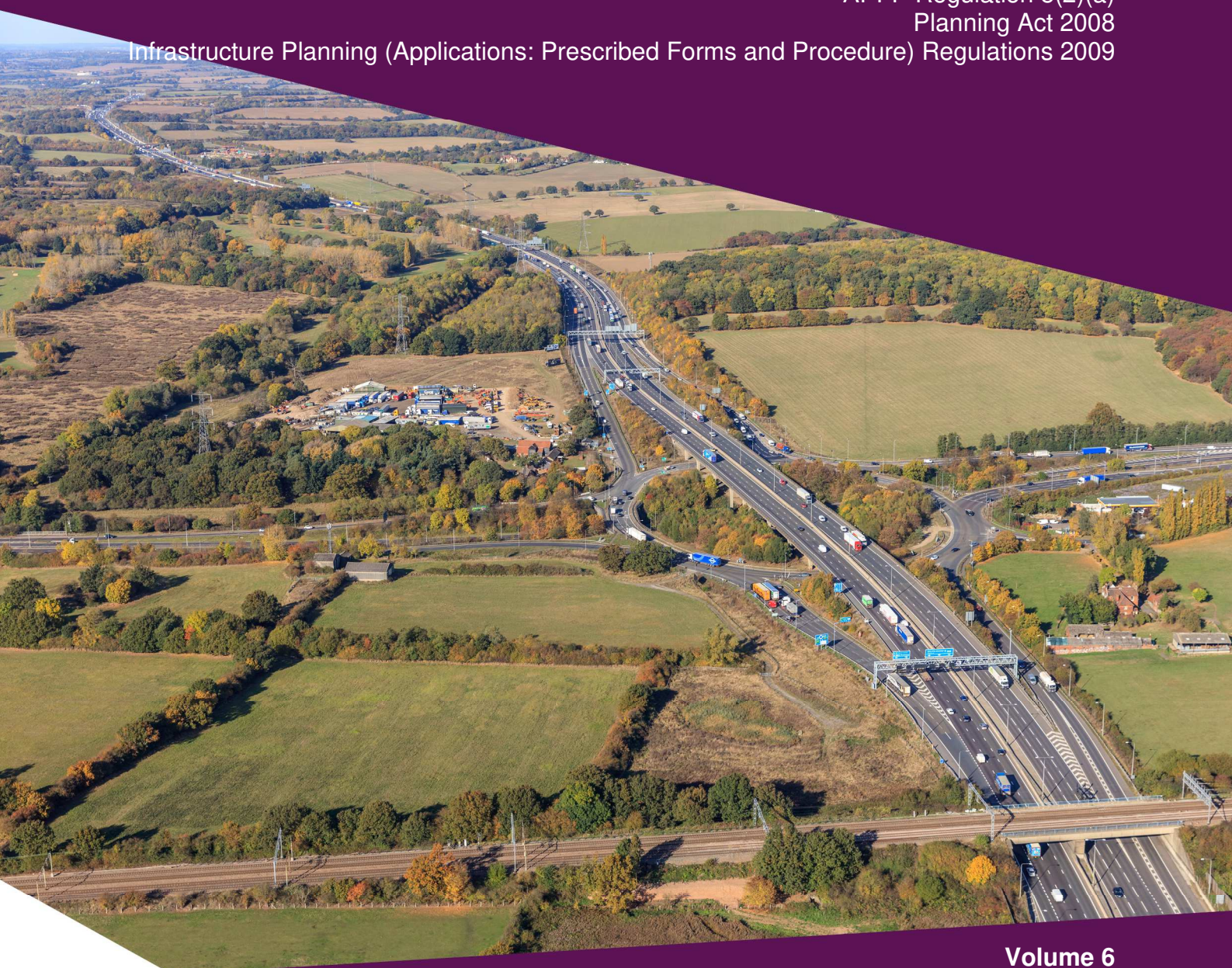


**M25 junction 28 improvement scheme  
TR010029  
6.2 Environmental Statement  
Chapter 8: Road drainage and the water  
environment figures**

APFP Regulation 5(2)(a)  
Planning Act 2008

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



## Infrastructure Planning

### Planning Act 2008

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

### M25 junction 28 scheme Development Consent Order 202[x ]

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#### 6.2 ENVIRONMENTAL STATEMENT CHAPTER 8: ROAD DRAINAGE AND THE WATER ENVIRONMENT FIGURES

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<b>Regulation Number:</b>	Regulation 5(2)(a)
<b>Planning Inspectorate Scheme Reference:</b>	TR010029
<b>Application Document Reference:</b>	TR010029/APP/6.2
<b>Author:</b>	M25 junction 28 scheme, Project Team, Highways England

<b>Version</b>	<b>Date</b>	<b>Status of Version</b>
2	4 February 2021	Deadline 2
1	May 2020	Application issue

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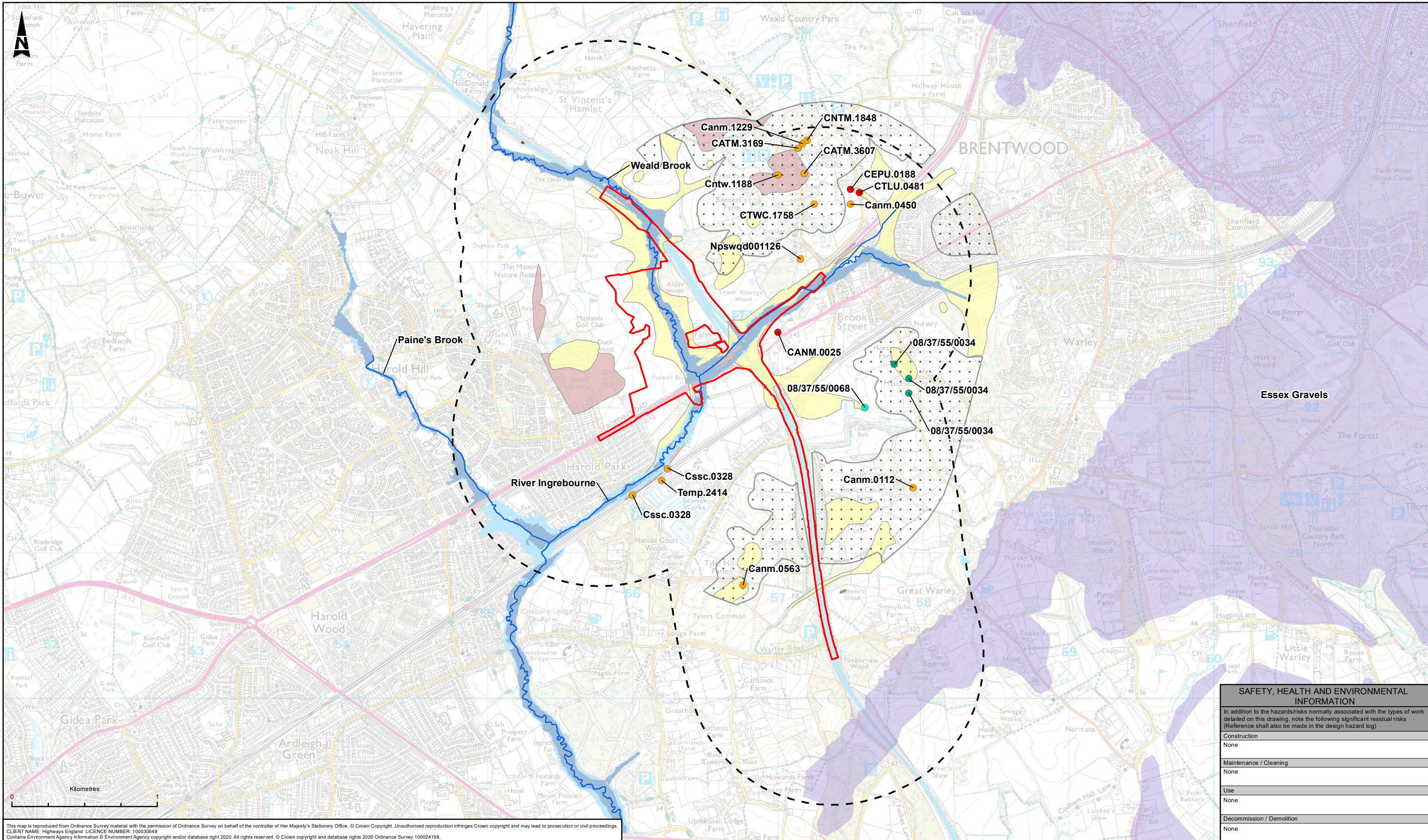


# 1. Schedule of figures included in this application document

1.1.1 Revised Figure 8.1 has been submitted at Deadline 2.

Document title	Document number	Revision
Figure 8.1 Water Environment	TR010029/APP/6.2	1
Figure 8.2 Proposed Drainage Catchments 6A and 6B Sheet 1 of 7	TR010029/APP/6.2	0
Figure 8.2 Proposed Drainage Catchments 2 and 6C Sheet 2 of 7	TR010029/APP/6.2	0
Figure 8.2 Proposed Drainage Catchments 1 and 2 Sheet 3 of 7	TR010029/APP/6.2	0
Figure 8.2 Proposed Drainage Catchment 7 Sheet 4 of 7	TR010029/APP/6.2	0
Figure 8.2 Proposed Drainage Catchment 4, 5A and 5B Sheet 5 of 7	TR010029/APP/6.2	0
Figure 8.2 Proposed Drainage Catchment 1 and 3 Sheet 6 of 7	TR010029/APP/6.2	0
Figure 8.2 Proposed Drainage Catchment 3 Sheet 7 of 7	TR010029/APP/6.2	0





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

LEGEND	
	DCO Boundary
	1km Study Area
	River Watercourses
	Flood Zone 3 (1 in 100 or greater annual probability of river flooding - >1%)
	Flood Zone 2 (Between a 1 in 100 and 1 in 1,000 annual probability of river flooding - 1%-0.1%)
	Groundwater Bodies
<b>Groundwater</b>	
	Abstractions
	Discharges
<b>Bedrock Aquifer</b>	
	Secondary Aquifer -
<b>Superficial Aquifer</b>	
	Secondary Aquifer -
	Secondary Aquifer -
<b>Surface Water</b>	
	Abstractions
	Discharges

Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
PUBLISHED	A1	C02	FM	KG	EM	PG	15/07/20
PUBLISHED	A1	C01	FM	KG	EM	PG	30/04/20

Drawing Suitability: **PUBLISHED**

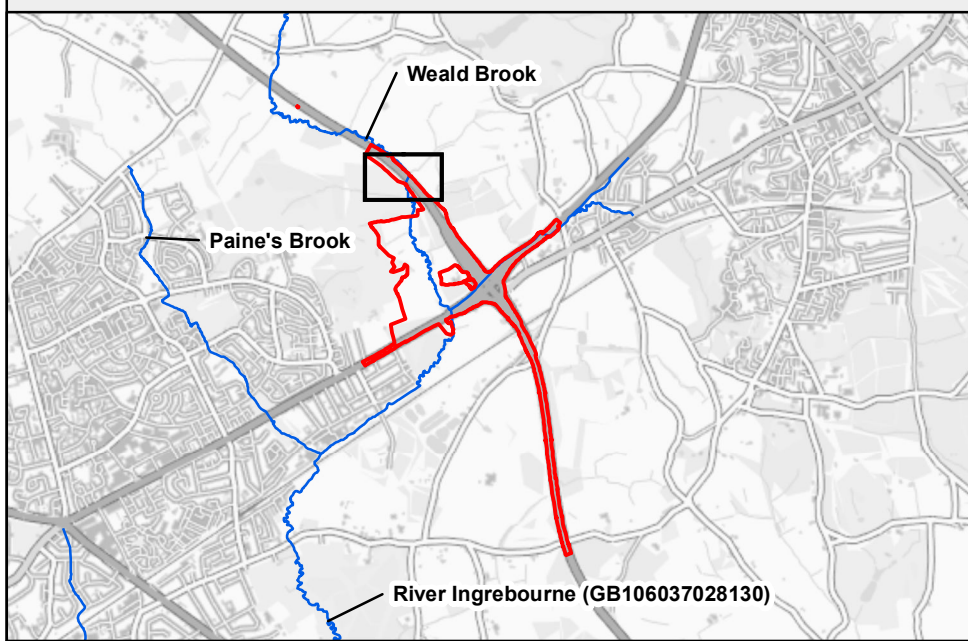
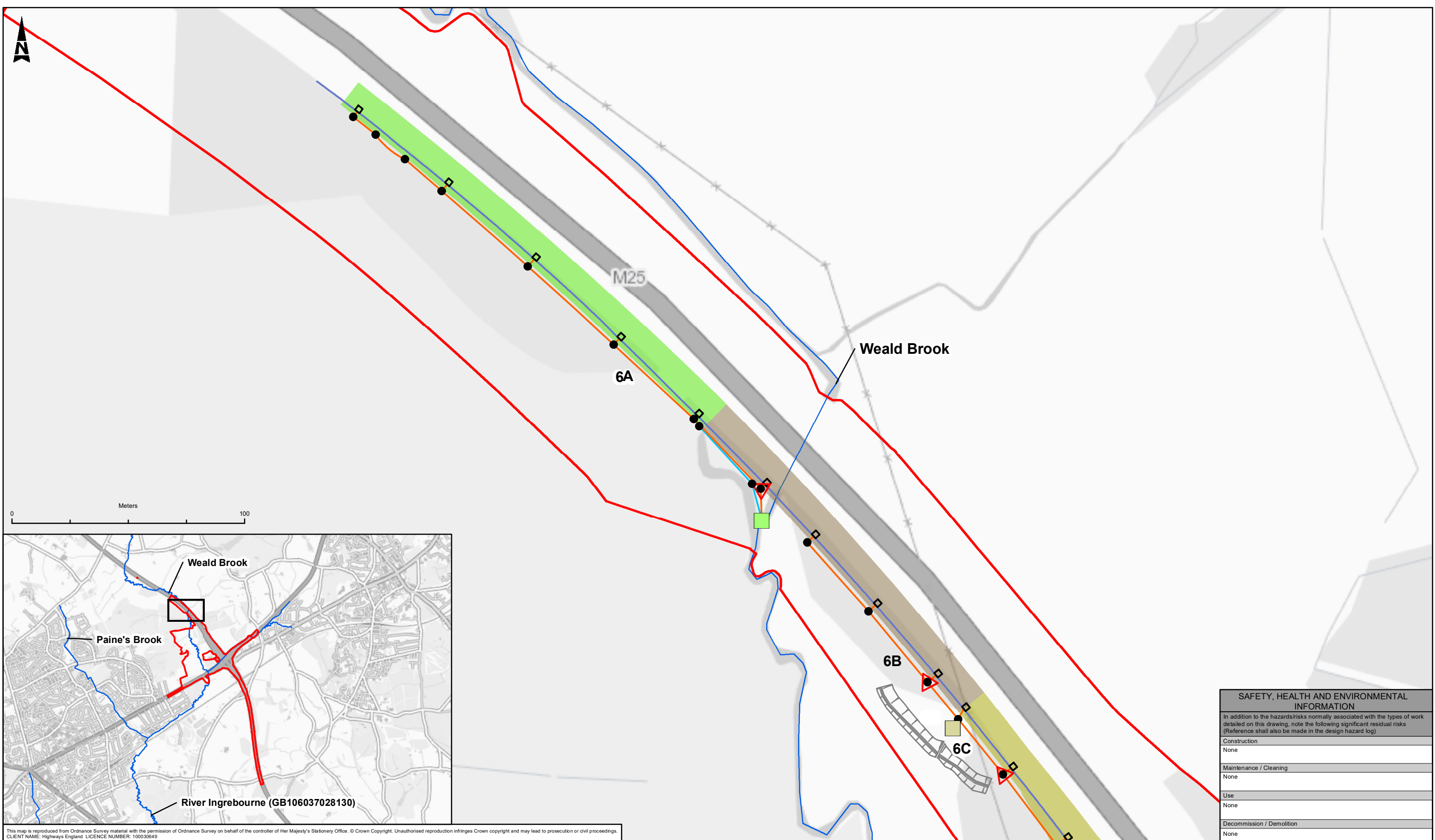
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Project Title	M25 Junction 28
Drawing Title	FIGURE 8.1 WATER ENVIRONMENT
Drawing Number	Project: HE551519 - ATK - EWE Originator: XX - GS - GI - 000001 Volume: ---
Original Size: A3	Scale: 1:24,000
Project Ref. No.:	---
Sheet:	1 of 1
Rev:	C02





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

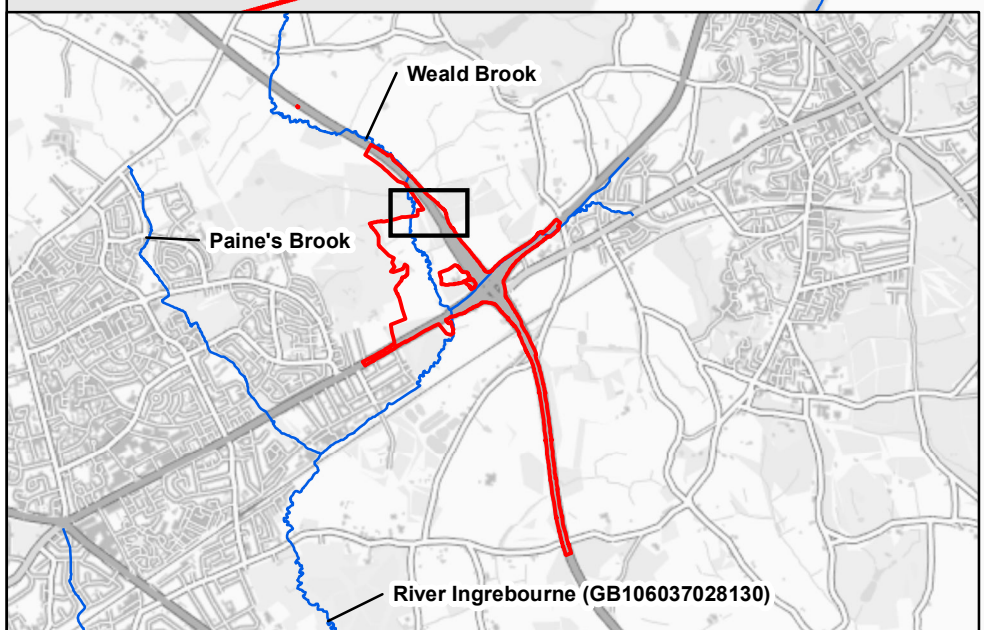
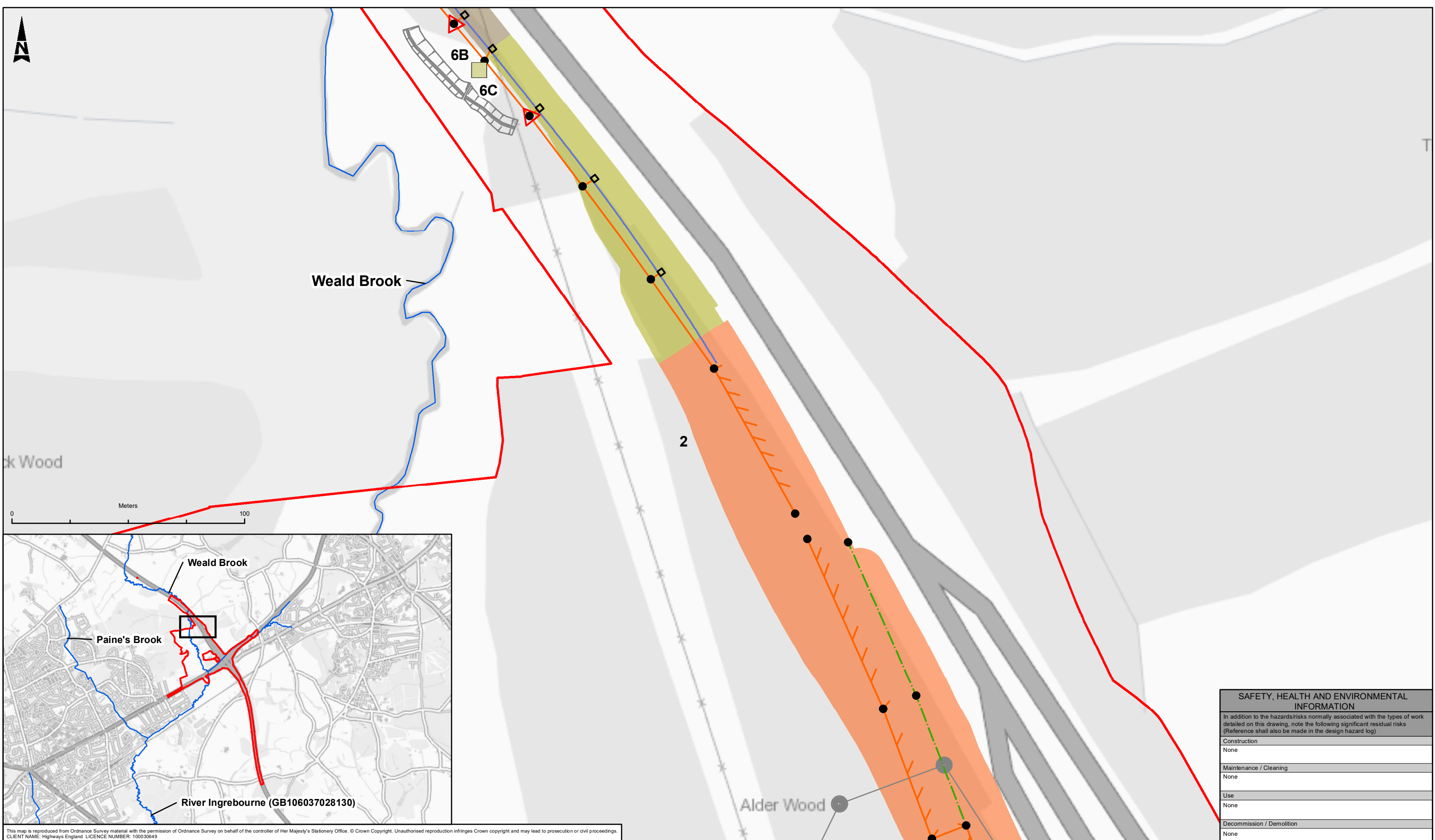
LEGEND	
DCO Boundary	Proposed Catchpit
River Watercourses	Proposed Headwall
Proposed Ditches and Ponds	Proposed Flow Control Catchpit
Proposed Carrier Drain	Combined Drainage Kerb Unit Outlet Chamber
Proposed Filter Drain	Concrete Manhole
Proposed Combined Drainage Kerb Unit	Catchment 1
Proposed Bridge Deck Drainage Unit	Catchment 2
Rock Filled Cascade Channel	Catchment 3
Proposed Environmental Backwater Pipe	Catchment 4
Proposed Linear Drainage Channel	Catchment 5A
Channel Drain	Catchment 5B
	Catchment 6A
	Catchment 6B
	Catchment 6C
	Catchment 7

Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
PUBLISHED	A1	C01	SD	KG	EM	PG	15/05/20

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Project Title	M25 Junction 28						
Drawing Title	FIGURE 8.2 PROPOSED DRAINAGE CATCHMENTS 6A & 6B SHEET 1 OF 7						
Drawing Number	Project	Originator	Volume				
	HE551519 - ATK - EWE	XX - GS - GI - 000002					
Original Size: A3	Scale: 1:1,500	Project Ref. No: --	Sheet: 1 OF 7	Rev: C01			



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

LEGEND			
DCO Boundary	Proposed Carrier Drain	Proposed Catchpit	Catchment 5B
River Watercourses	Proposed Filter Drain	Proposed Headwall	Catchment 6A
Proposed Ditches and Ponds	Proposed Combined Drainage Kerb Unit	Proposed Flow Control Catchpit	Catchment 6B
	Proposed Bridge Deck Drainage Unit	Combined Drainage Kerb Unit Outlet Chamber	Catchment 6C
	Rock Filled Cascade Channel	Concrete Manhole	Catchment 4
	Proposed Environmental Backwater Pipe		Catchment 5A
	Proposed Linear Drainage Channel		
	Channel Drain		

Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
PUBLISHED	A1	C01	SD	KG	EM	PG	15/05/20

Drawing Suitability: **PUBLISHED**

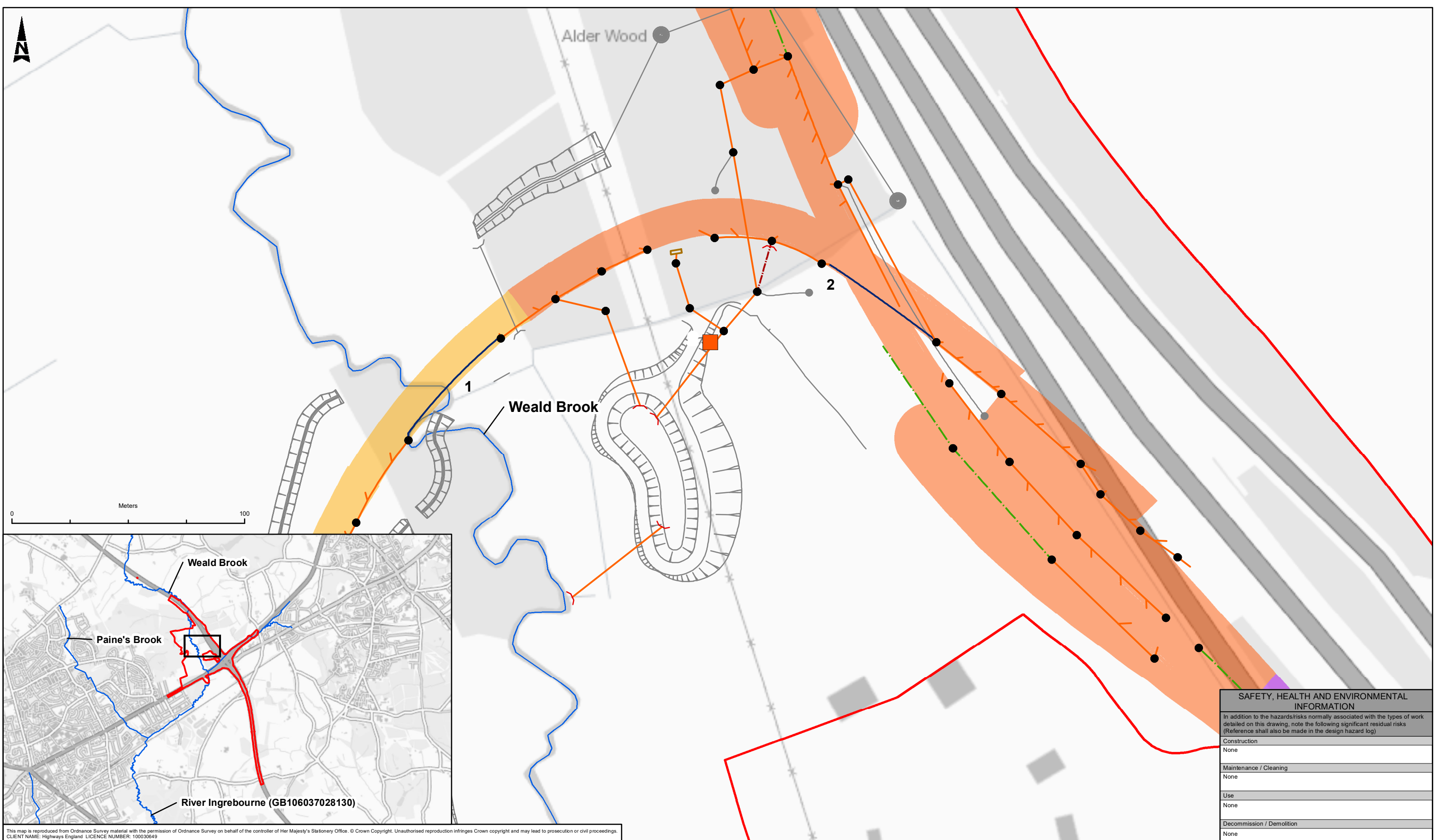
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Project Title	M25 Junction 28					
Drawing Title	FIGURE 8.2 PROPOSED DRAINAGE CATCHMENTS 2 & 6C SHEET 2 OF 7					
Drawing Number	Project	Originator	Volume			
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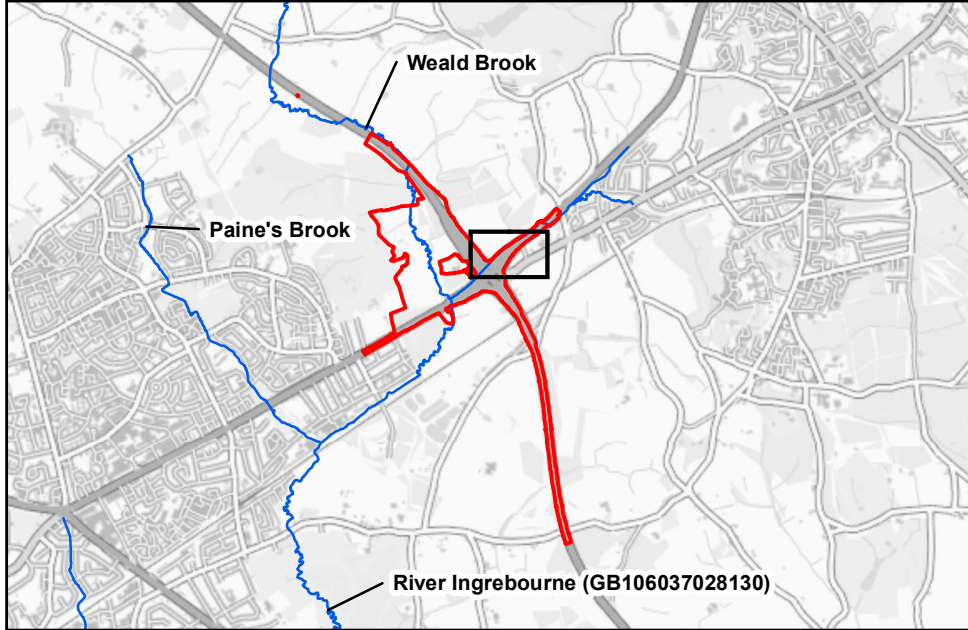
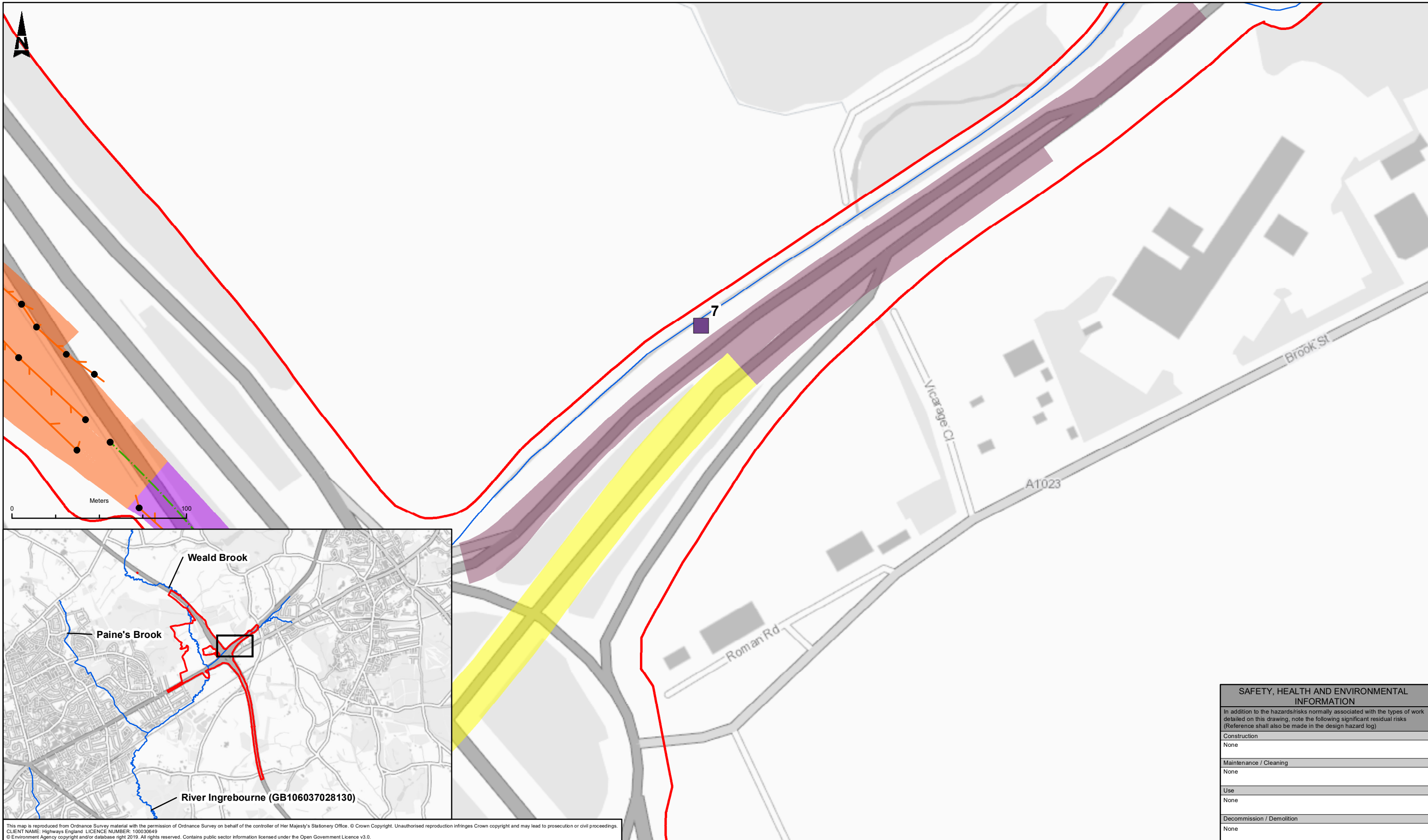


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LEGEND	
DCO Boundary	<b>Proposed Drainage</b>
River Watercourses	Proposed Carrier Drain
Proposed Ditches and Ponds	Proposed Filter Drain
	Proposed Combined Drainage Kerb Unit
	Proposed Bridge Deck Drainage Unit
	Rock Filled Cascade Channel
	Proposed Environmental Backwater Pipe
	Proposed Linear Drainage Channel
	Channel Drain
Proposed Catchpit	Proposed Flow Control Catchpit
Proposed Headwall	Combined Drainage Kerb Unit Outlet Chamber
Concrete Manhole	
<b>Catchments and Outfalls</b>	
Catchment 1	Catchment 5B
Catchment 2	Catchment 6A
Catchment 3	Catchment 6B
Catchment 4	Catchment 6C
Catchment 5A	Catchment 7

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

Description		Drawing Suitability		Status		Project Title	
Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date	M25 Junction 28
Description		<b>PUBLISHED</b>		<b>A1</b>		Drawing Title	
Description		<b>ATKINS</b>		Epsom Gateway Ashley Avenue Epsom Surrey KT18 5AL		FIGURE 8.2 PROPOSED DRAINAGE CATCHMENTS 1 & 2 SHEET 3 OF 7	
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Description		PUBLISHED		Project Ref. No. XX - GS - GI - 000004		Scale: 1:1,500	
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A1	C01	SD	KG	EM	PG	15/05/20	Rev: C01



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

LEGEND	
DCO Boundary	Proposed Carrier Drain
River Watercourses	Proposed Filter Drain
Proposed Ditches and Ponds	Proposed Combined Drainage Kerb Unit
Proposed Bridge Deck Drainage Unit	Rock Filled Cascade Channel
Proposed Environmental Backwater Pipe	Proposed Linear Drainage Channel
Proposed Linear Drainage Channel	Channel Drain
Proposed Catchpit	Proposed Flow Control Catchpit
Proposed Headwall	Combined Drainage Kerb Unit Outlet Chamber
Combined Drainage Kerb Unit Outlet Chamber	Concrete Manhole
Concrete Manhole	
Catchments and Outfalls	
Catchment 1	Catchment 5B
Catchment 2	Catchment 6A
Catchment 3	Catchment 6B
Catchment 4	Catchment 6C
Catchment 5A	Catchment 7

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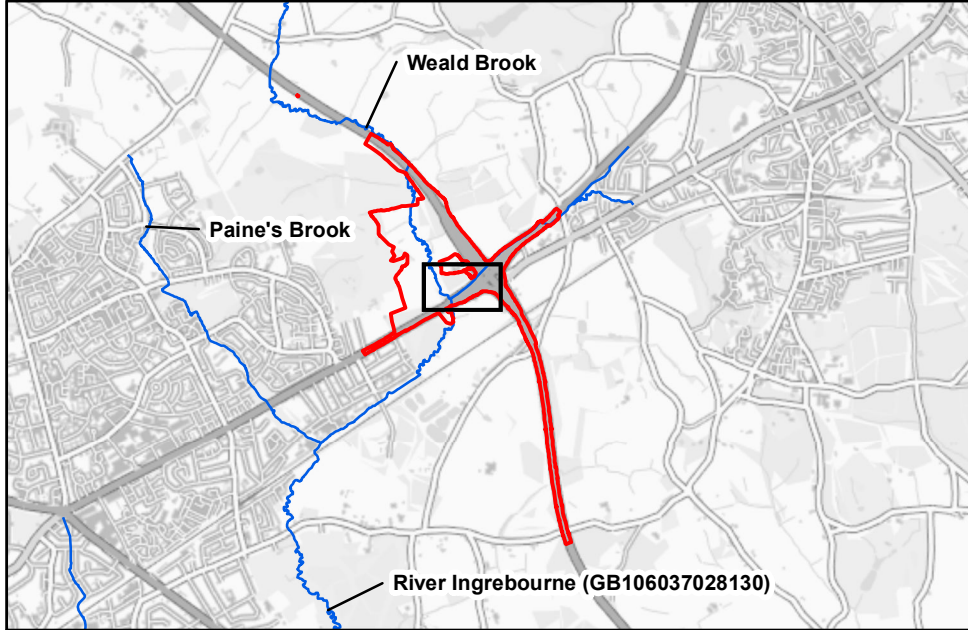
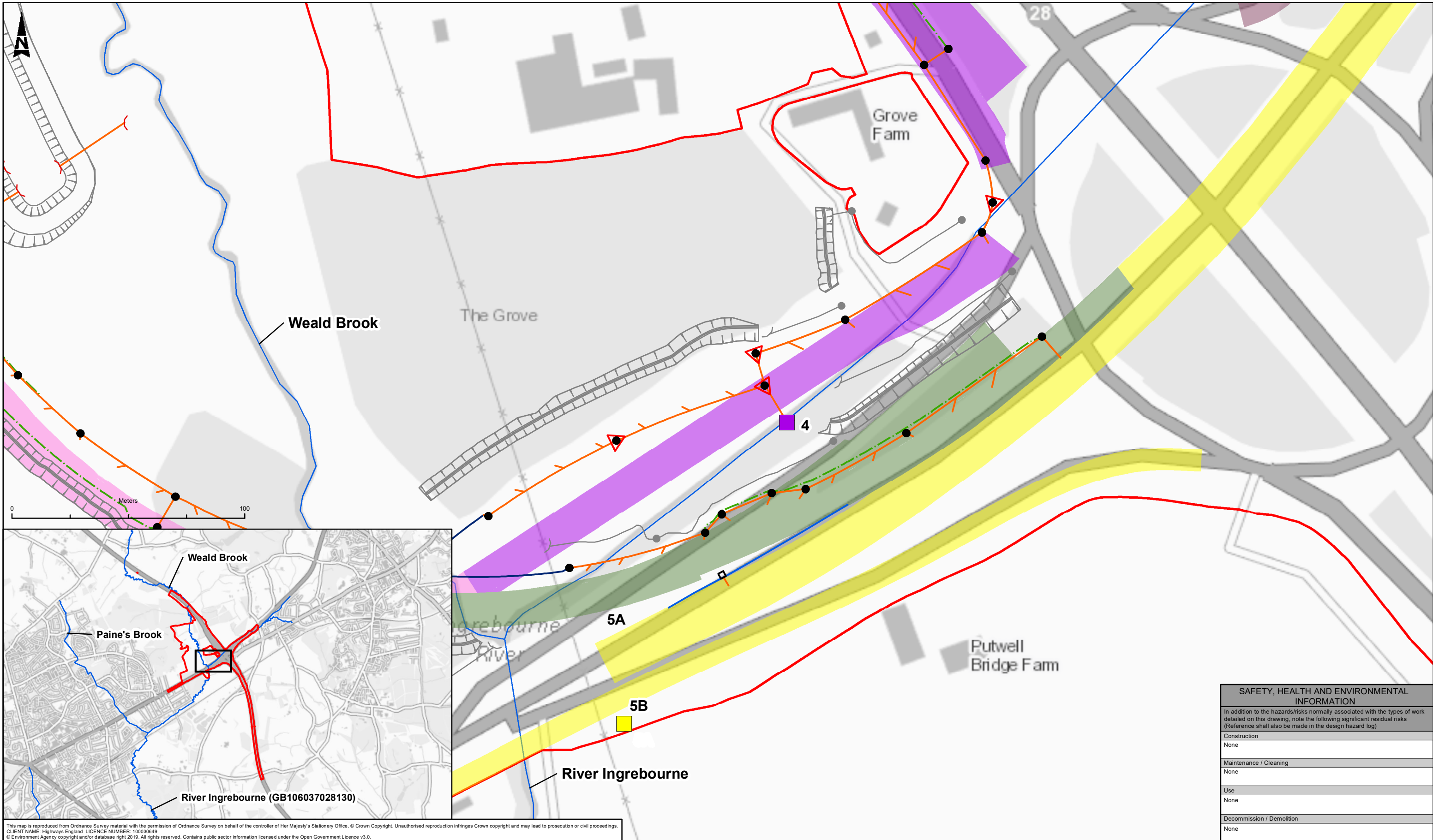
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Drawing Title	FIGURE 8.2 PROPOSED DRAINAGE CATCHMENT 7 SHEET 4 OF 7						
Drawing Number	Project	Originator	Volume				
	HE551519 - ATK - EWE	XX - GS - GI - 000005					
Original Size: A3	Scale: 1:2,000	Project Ref. No: --	Sheet: 4 OF 7	Rev: C01			





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Maintenance / Cleaning	None
Use	None
Decommission / Demolition	None

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LEGEND				
DCO Boundary	Proposed Carrier Drain	Proposed Catchpit	Catchment 1	Catchment 5B
River Watercourses	Proposed Filter Drain	Proposed Headwall	Catchment 2	Catchment 6A
Proposed Ditches and Ponds	Proposed Combined Drainage Kerb Unit	Proposed Flow Control Catchpit	Catchment 3	Catchment 6B
	Proposed Bridge Deck Drainage Unit	Combined Drainage Kerb Unit Outlet Chamber	Catchment 4	Catchment 6C
	Rock Filled Cascade Channel	Concrete Manhole	Catchment 5A	Catchment 7
	Proposed Environmental Backwater Pipe			
	Proposed Linear Drainage Channel			
	Channel Drain			

Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
PUBLISHED	A1	C01	SD	KG	EM	PG	15/05/20

Drawing Suitability: **PUBLISHED**

Status: **A1**

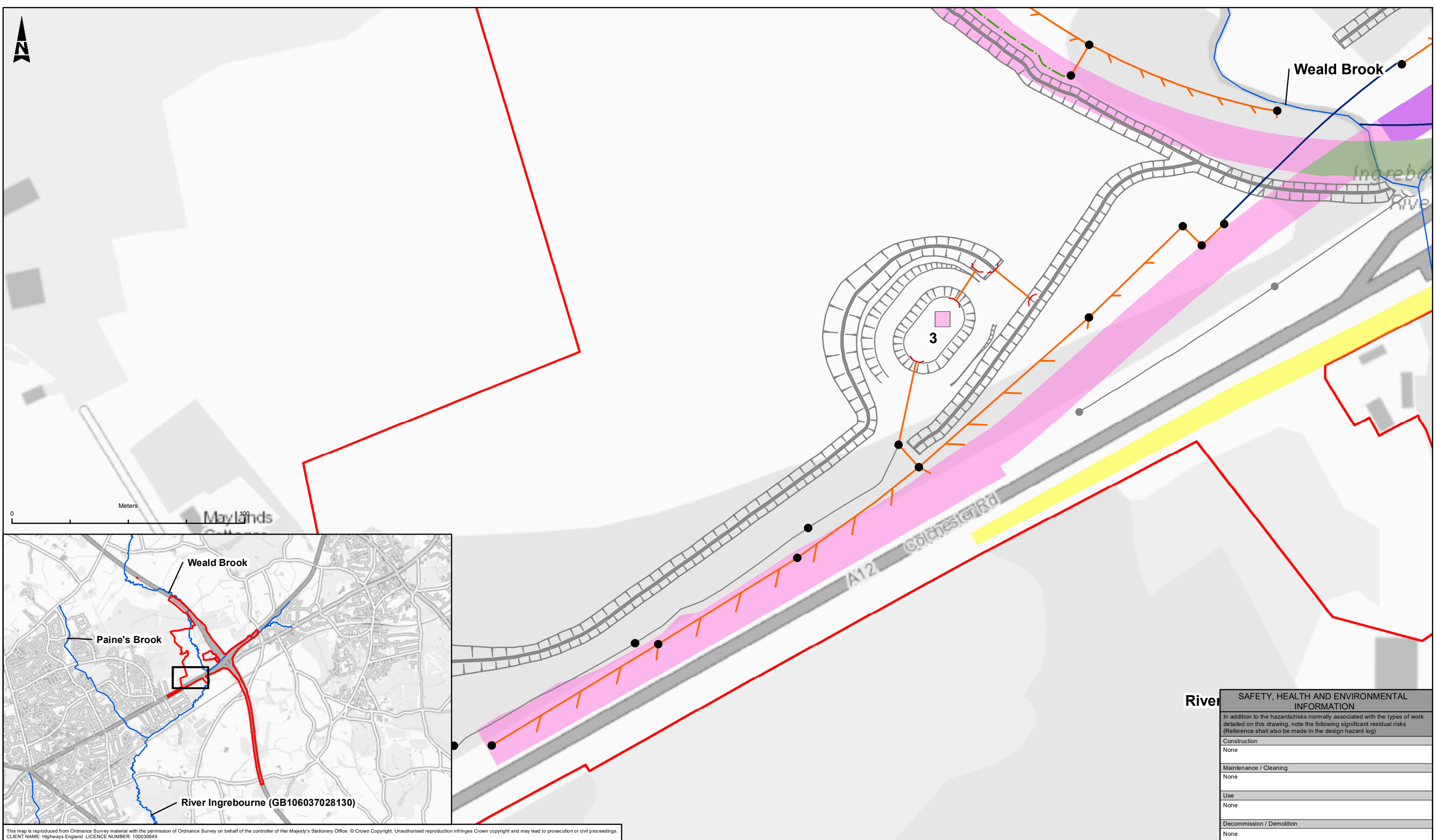
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Drawing Title	FIGURE 8.2 PROPOSED DRAINAGE CATCHMENTS 4, 5A & 5B SHEET 5 OF 7						
Drawing Number	Project	Originator	Volume				
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Original Size: A3	Scale: 1:1,500	Project Ref. No: --	Sheet: 5 OF 7	Rev: C01			







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

LEGEND			
DCO Boundary	Proposed Carrier Drain	Proposed Catchpit	Catchment 5B
River Watercourses	Proposed Filter Drain	Proposed Headwall	Catchment 6A
Proposed Ditches and Ponds	Proposed Combined Drainage Kerb Unit	Proposed Flow Control Catchpit	Catchment 6B
	Proposed Bridge Deck Drainage Unit	Combined Drainage Kerb Unit Outlet Chamber	Catchment 6C
	Rock Filled Cascade Channel	Concrete Manhole	Catchment 7
	Proposed Environmental Backwater Pipe		Catchment 4
	Proposed Linear Drainage Channel		Catchment 5A
	Channel Drain		

Description	Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
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Drawing Title	FIGURE 8.2 PROPOSED DRAINAGE CATCHMENT 3 SHEET 7 OF 7						
Drawing Number	Project	Originator	Volume				
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Original Size: A3	Scale: 1:1,500	Project Ref. No: --	Sheet: 7 OF 7	Rev: C01			

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