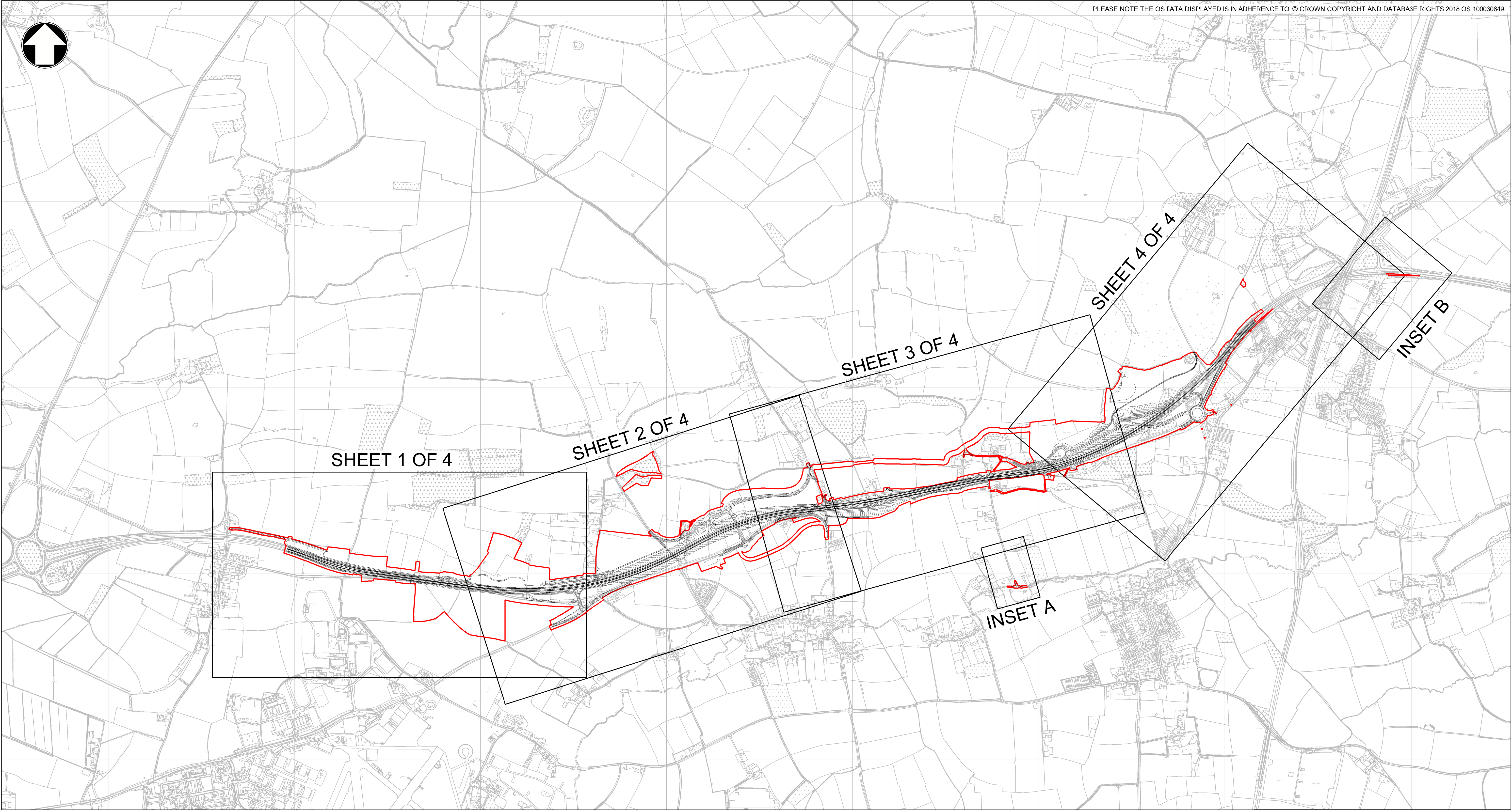


A303 Sparkford to Ilchester Dualling Scheme TR010036

2.11 Outline Drainage Works Plans

APFP Regulation 5(2)(p)
Planning Act 2008
Infrastructure Planning (Applications: Prescribed
Forms and Procedure) Regulations 2009
May 2019





KEY TO SYMBOLS ON ALL SHEETS:

GENERAL:

---x--- TERRAIN CONTOURS (1M)

EXISTING ASSETS:

===== EXISTING CULVERT

--->--- EXISTING HIGHWAY DRAINAGE

ATTENUATION PONDS:

PERMANENT POND

ATTENUATION POND

--->--- EXISTING DITCHES (INDICATIVE)

--->--- DEVELOPMENT CONSENT ORDER (DCO) BOUNDARY

⊗ HYDRAULIC CONTROL DEVICE

ASSET OWNERSHIP (COLOURED AS: **HIGHWAYS ENGLAND** OR **SOMERSET COUNTY COUNCIL**):

===== CULVERT (REF. CU/CHAINAGE)

---ND--- EXTERIOR CATCHMENT DITCHES

----- KERB AND GULLY PIPED SYSTEM

--->--- SURFACE WATER CHANNEL

----- ANCILLARY PIPEWORK

CATCHMENT AREAS (IMPERMEABLE/PERMEABLE):

CATCHMENT 1

CATCHMENT 2

CATCHMENT 3

CATCHMENT 4

✓ HEADWALL

---HD--- HIGHWAY DRAINAGE DITCHES

--->--- KERB AND GULLY DITCH SYSTEM

--->--- EXISTING HIGHWAY DRAINAGE FOR ADOPTION

CATCHMENT 5

CATCHMENT 6

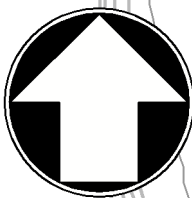
EXISTING CATCHMENT

NOTES:

- DRAWING TO BE READ IN CONJUNCTION WITH DRAINAGE STRATEGY REPORT, INCLUDED WITH ENVIRONMENTAL STATEMENT (REF: HE551507-MMSJV-LSI-000-RP-UU-6100)
- ALL DIMENSIONS ARE IN METRES UNLESS STATED OTHERWISE
- THESE PLANS SHOULD BE READ IN CONJUNCTION WITH OTHER PLANS AND DOCUMENTS IN THE DEVELOPMENT CONSENT ORDER, IN PARTICULAR THE BOOK OF REFERENCE.

C01	16/07/18	DCO SUBMISSION	BS	CS	ER
C02	16/05/19	NON-MATERIAL CHANGES	JW	CS	ER
REV.	DATE	AMENDMENT DETAILS	ORIG	CHK'D	APP'D

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Project Title					
A303 SPARKFORD TO ILCHESTER DUALLING					
Drawing Title					
OUTLINE DRAINAGE WORKS PLANS REGULATION 5(2)(p) KEY PLAN					
Drawing Status					Suitability
Published - DEFINITION					A3
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Original Size	Date	Date	Date	Date	
A1	04/05/20	14/05/19	15/05/19	16/05/19	
Drawing Number					Project Ref. No.
HE PIN					389107
Originator					Revision
HE551507 - MMSJV - LSI -					C02
000 - DR - UU - 2111					
Location					
Type					
Role					
Number					



Catchment Reference	Proposed Area (Ha)		Watercourse Destination	Pond Volume (m³)		Qbar discharge rate (l/s)
	Permeable	Impermeable		Flood Storage	Permanent	
1	1.20	2.27	River Cary via Park Brook	1835	402	9.97
2	6.77	4.82	River Cary via Park Brook	3922	946	56.05

EXISTING CULVERT. SMIS REFERENCE: 3245. CULVERT REGISTRATION ID: 13795.

PIPE 195

OUTFALL TO EXISTING WATERCOURSE (RIVER CARY, VIA PARK BROOK)

POND 1 - PROPOSED MAINTENANCE BY HIGHWAYS ENGLAND.

FARM LANE OVERBRIDGE

PODIMORE

PIPE 163: PROPOSED CROSS CARRAGEWAY PIPEWORK TO POND AT POINT OF TRANSITION TO EXISTING DUAL CARRAGEWAY. EXISTING DUAL CARRAGEWAY DRAINAGE BEYOND SCHEME EXTENTS TO BE RETAINED.

PIPE 164

OUTFALL TO EXISTING WATERCOURSE (RIVER CARY, VIA PARK BROOK)

PIPE 196

POND 2 - PROPOSED MAINTENANCE BY HIGHWAYS ENGLAND.

CU_1260

PIPE 165

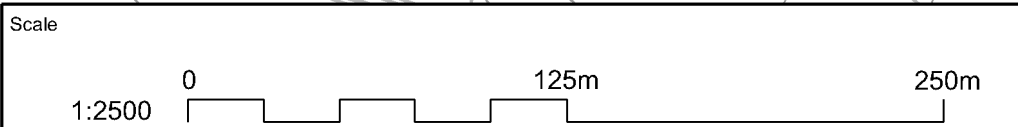
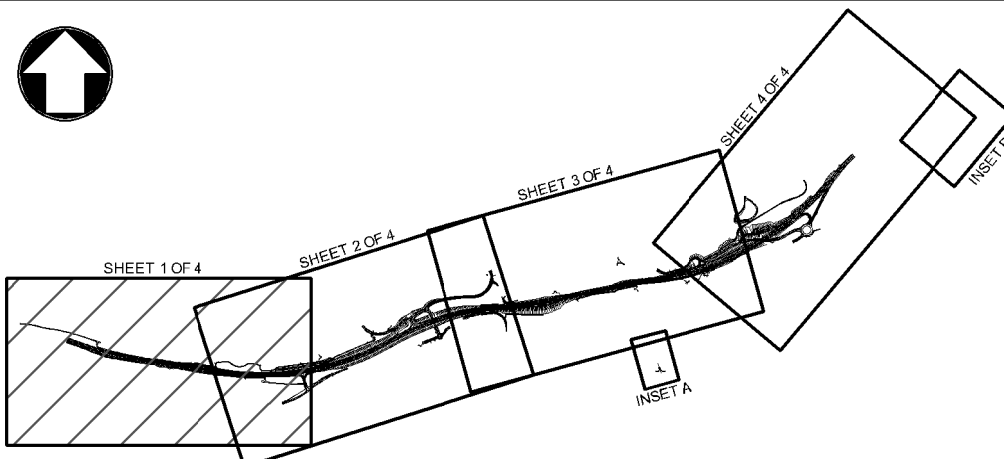
PIPE 166

CUT LINE

CUT LINE

NOTES

THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH DRAWING HE5515-MMSJV-LSI-000-DR-UU-2111 TO IDENTIFY THE KEY FOR SYMBOLS.



Project Title
A303 SPARKFORD TO ILCHESTER DUALLING

Drawing Title
OUTLINE DRAINAGE WORKS PLANS
REGULATION 5(2)(p)
SHEET 1 OF 4

Drawing Status
Published - DEFINITION

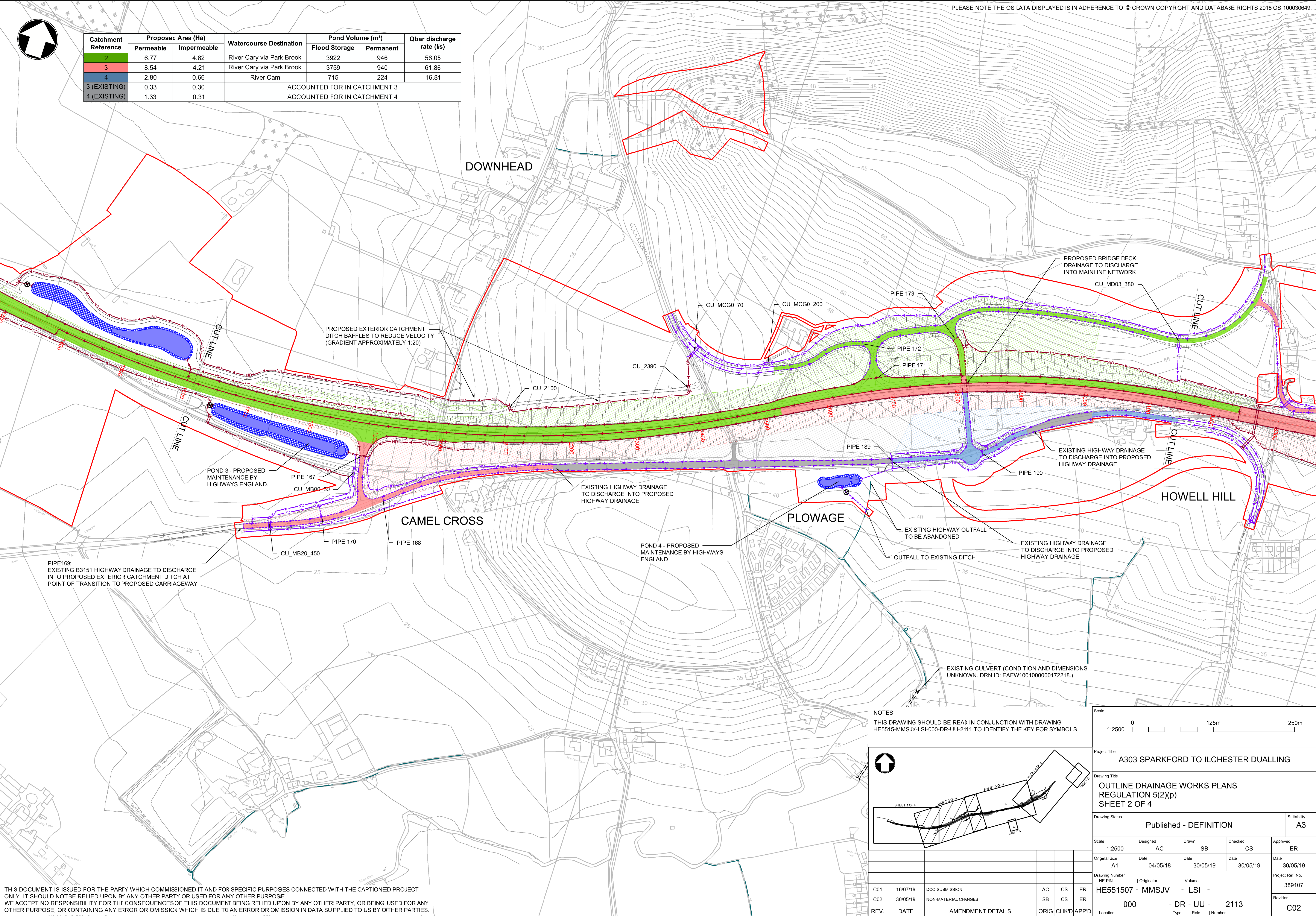
Suitability
A3

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Original Size	A1	Date	04/05/18	Date	22/05/19	Date	27/05/19	Date	29/05/19

Drawing Number	HE PIN	Originator	Volume	Project Ref. No.
C01	16/07/18	DCO SUBMISSION	AC CS ER	HE551507 - MMSJV - LSI -
C02	29/05/19	NON-MATERIAL CHANGES	AC CS ER	389107
REV.	DATE	AMENDMENT DETAILS	ORIG CHK'D APP'D	Revision
				C02

Location | Type | Role | Number

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Catchment Reference	Proposed Area (Ha)		Watercourse Destination	Pond Volume (m³)		Qbar discharge rate (l/s)
	Permeable	Impermeable		Flood Storage	Permanent	
2	6.77	4.82	River Cary via Park Brook	3922	946	56.05
3	8.54	4.21	River Cary via Park Brook	3759	940	61.86
4	2.80	0.66	River Cam	715	224	16.81
3 (EXISTING)	0.33	0.30	ACCOUNTED FOR IN CATCHMENT 3			
4 (EXISTING)	1.33	0.31	ACCOUNTED FOR IN CATCHMENT 4			

PIPE169:
EXISTING B3151 HIGHWAY DRAINAGE TO DISCHARGE INTO PROPOSED EXTERIOR CATCHMENT DITCH AT POINT OF TRANSITION TO PROPOSED CARRIAGEWAY

POND 3 - PROPOSED MAINTENANCE BY HIGHWAYS ENGLAND.

PIPE 167

CU_MB00_30

PIPE 170

CU_MB20_450

CAMEL CROSS

PIPE 168

EXISTING HIGHWAY DRAINAGE TO DISCHARGE INTO PROPOSED HIGHWAY DRAINAGE

POND 4 - PROPOSED MAINTENANCE BY HIGHWAYS ENGLAND

PLOWAGE

EXISTING HIGHWAY DRAINAGE TO DISCHARGE INTO PROPOSED HIGHWAY DRAINAGE

EXISTING HIGHWAY DRAINAGE TO DISCHARGE INTO PROPOSED HIGHWAY DRAINAGE

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EXISTING HIGHWAY DRAINAGE TO DISCHARGE INTO PROPOSED HIGHWAY DRAINAGE

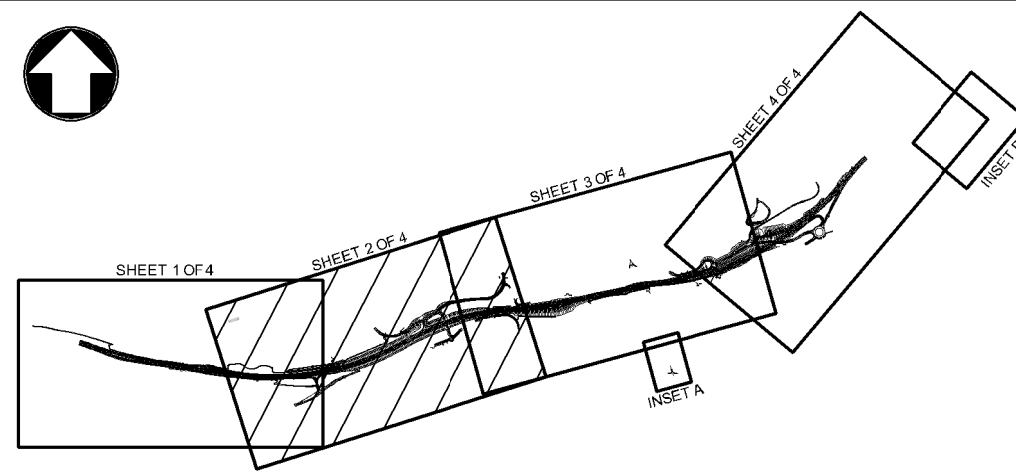
EXISTING HIGHWAY DRAINAGE TO DISCHARGE INTO PROPOSED HIGHWAY DRAINAGE

EXISTING HIGHWAY DRAINAGE TO DISCHARGE INTO PROPOSED HIGHWAY DRAINAGE

EXISTING HIGHWAY DRAINAGE TO DISCHARGE INTO PROPOSED HIGHWAY DRAINAGE

EXISTING HIGHWAY DRAINAGE TO DISCHARGE INTO PROPOSED HIGHWAY DRAINAGE

NOTES
THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH DRAWING HE5515-MMSJV-LSI-000-DR-UU-2111 TO IDENTIFY THE KEY FOR SYMBOLS.



Scale
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Project Title
A303 SPARKFORD TO ILCHESTER DUALLING

Drawing Title
OUTLINE DRAINAGE WORKS PLANS
REGULATION 5(2)(p)
SHEET 2 OF 4

Drawing Status
Published - DEFINITION

Suitability
A3

Scale
1:2500

Designed
AC

Drawn
SB

Checked
CS

Approved
ER

Original Size
A1

Date
04/05/18

Date
30/05/19

Date
30/05/19

Date
30/05/19

Drawing Number
HE PIN

Originator
HE551507 - MMSJV

Volume
- LSI -

Project Ref. No.
389107

Revision
C02

REV.

DATE

AMENDMENT DETAILS

ORIG

CHKD

APPD

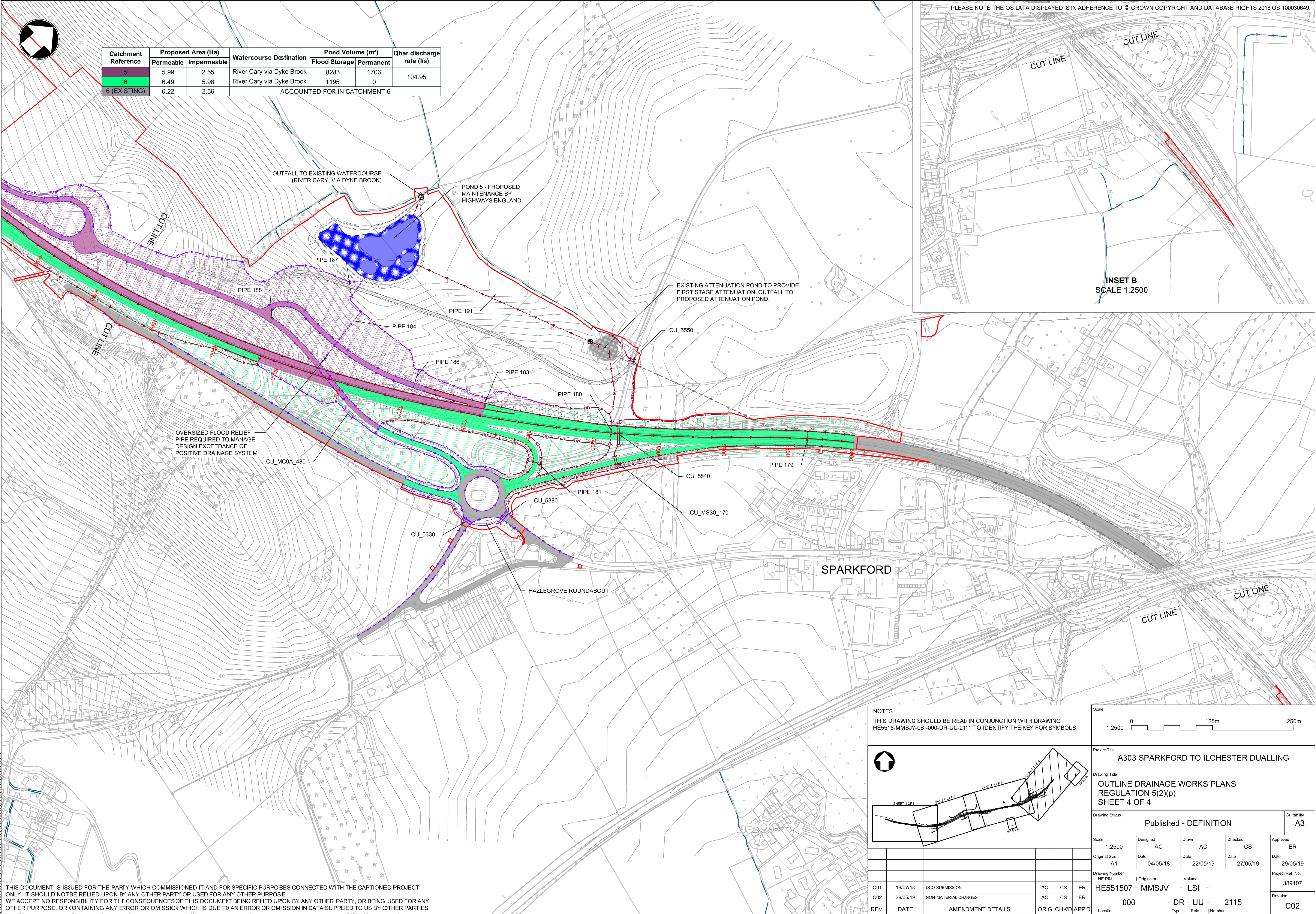
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Type

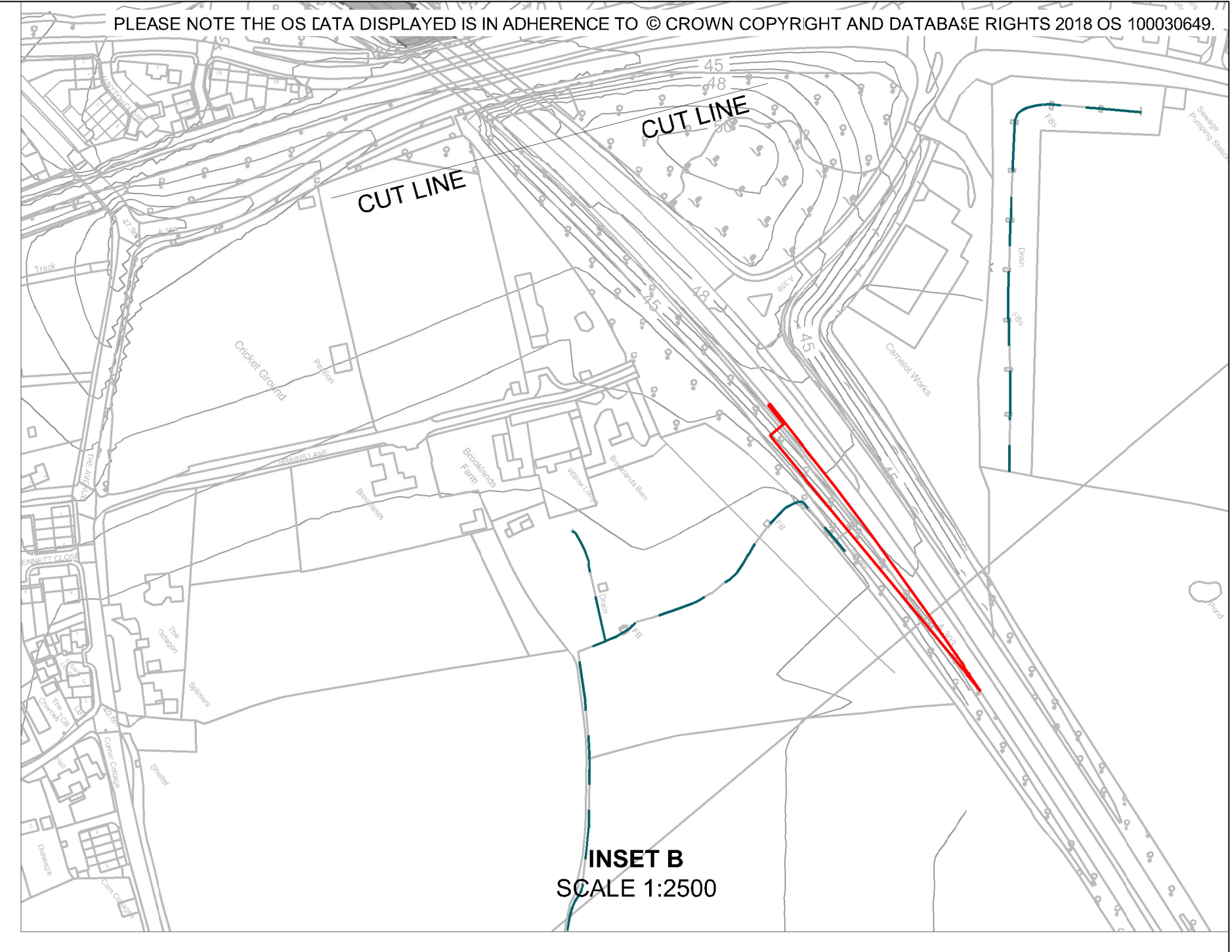
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Number

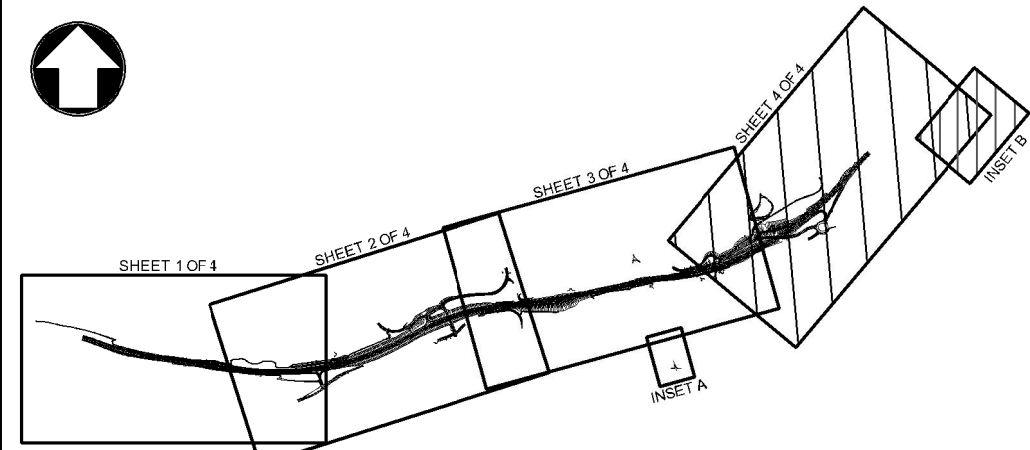
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Catchment Reference	Proposed Area (Ha)		Watercourse Destination	Pond Volume (m³)		Qbar discharge rate (l/s)
	Permeable	Impermeable		Flood Storage	Permanent	
5	5.99	2.55	River Cary via Dyke Brook	8283	1706	104.95
6	6.49	5.98	River Cary via Dyke Brook	1195	0	
6 (EX:STING)	0.22	2.56	ACCOUNTED FOR IN CATCHMENT 6			



NOTES
THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH DRAWING HE5515-MMSJV-LSI-000-DR-UU-2111 TO IDENTIFY THE KEY FOR SYMBOLS.



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Project Title A303 SPARKFORD TO ILCHESTER DUALLING				
Drawing Title OUTLINE DRAINAGE WORKS PLANS REGULATION 5(2)(p) SHEET 4 OF 4				
Drawing Status Published - DEFINITION				Suitability A3
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Original Size A1	Date 04/05/18	Date 22/05/19	Date 27/05/19	Date 29/05/19
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000 - DR - UU - 2115				Revision C02
Location	Type	Role	Number	

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