

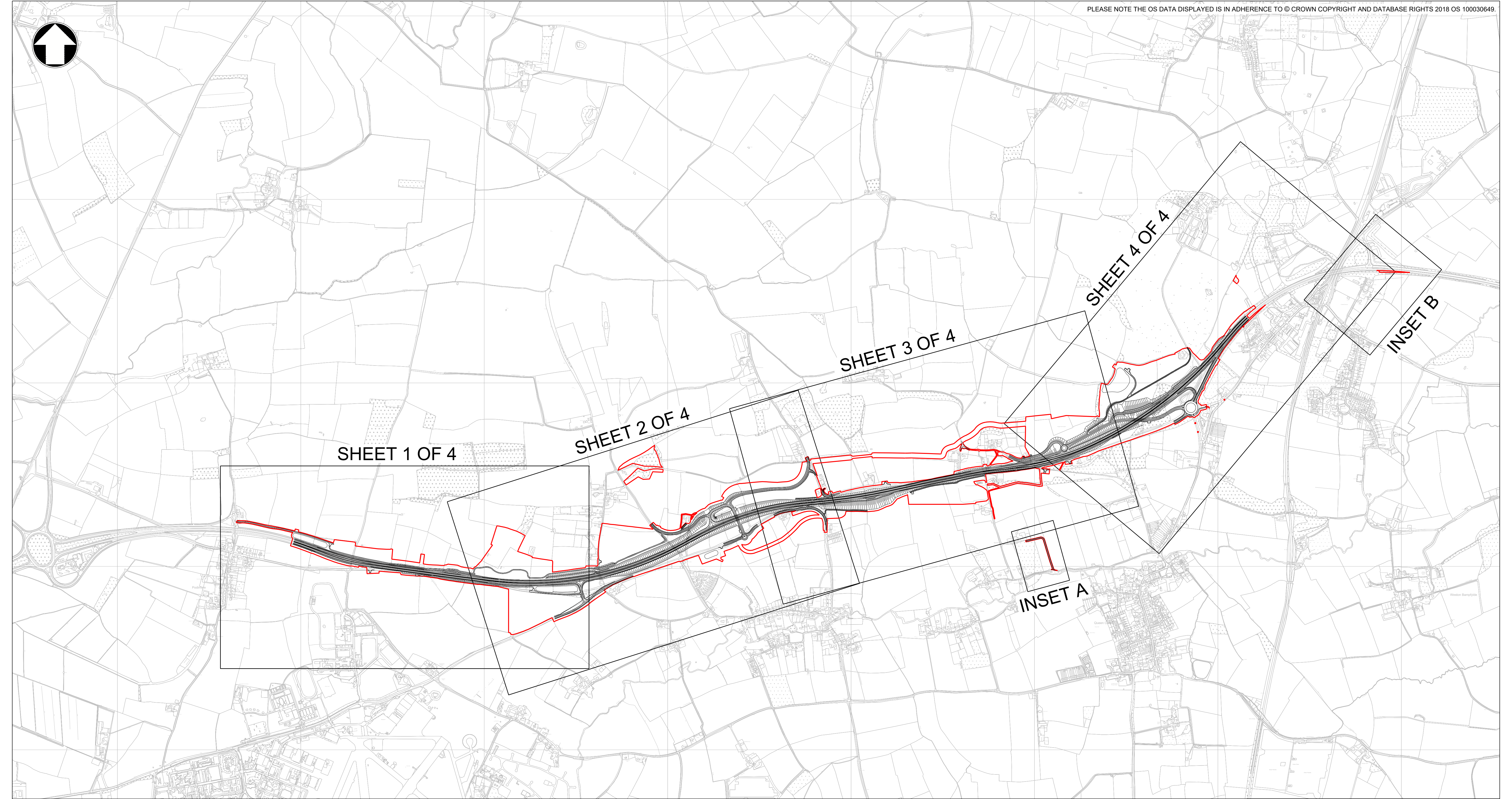
## A303 Sparkford to Ilchester Dualling Scheme TR010036

### 2.11 Outline Drainage Works Plans

APFP Regulation 5(2)(p)  
Planning Act 2008  
Infrastructure Planning (Applications: Prescribed  
Forms and Procedure) Regulations 2009  
July 2018







KEY TO SYMBOLS ON ALL SHEETS:

GENERAL:

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

EXISTING ASSETS:

===== EXISTING CULVERT

--->--- EXISTING HIGHWAY DRAINAGE

ATTENUATION PONDS:

[Blue Box] PERMANENT POND

[Blue Box with Dots] ATTENUATION POND

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

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

[Symbol] 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):

[Orange Box] CATCHMENT 1

[Green Box] CATCHMENT 2

[Red Box] CATCHMENT 3

[Blue Box] CATCHMENT 4

[Symbol] HEADWALL

---HD--- HIGHWAY DRAINAGE DITCHES

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

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

[Purple Box] CATCHMENT 5

[Green Box] CATCHMENT 6

[Grey Box] 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
REV.	DATE	AMENDMENT DETAILS	ORIG	CHK'D	APP'D

Scale 1:10000 0 500m 1000m					
Project Title A303 SPARKFORD TO ILCHESTER DUALLING					
Drawing Title OUTLINE DRAINAGE WORKS PLANS REGULATION 5(2)(p) KEY PLAN					
Drawing Status Published - DEFINITION					Suitability A3
Scale 1:10000	Designed SO	Drawn BS	Checked CS	Approved ER	
Original Size A1	Date 04/05/20	Date 16/07/18	Date 16/07/18	Date 16/07/18	
Drawing Number HE PIN HE551507 - MMSJV - LSI -					Project Ref. No. 389107
000 - DR - UU - 2111					Revision C01
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: 6245. CULVERT  
REGISTRATION ID: 13795.

PIPE 195

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

POND 1 - PROPOSED  
MAINTENANCE BY  
HIGHWAYS ENGLAND.

POND 2 - PROPOSED  
MAINTENANCE BY  
HIGHWAYS ENGLAND.

PIPE 196

PODIMORE

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

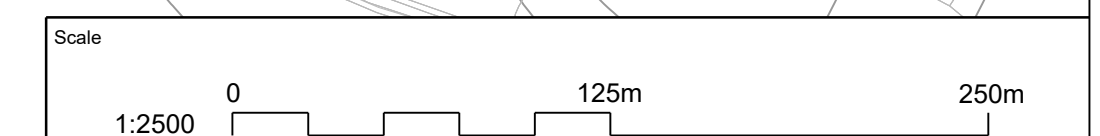
PIPE 164

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

— EXISTING CULVERT. PRIVATE OWNER:  
ROYAL NAVAL AIR STATION YEOVILTON.

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

Drawing Status	Suitability
Published - DEFINITION	A3

Scale	Designed	Drawn	Checked	Approved
1:2500	AC	AC	CS	ER

Original Size	Date	Date	Date	Date
A1	04/05/18	16/07/18	16/07/18	16/07/18
Drawing Number				Project Ref. No.

Drawing Number HE PIN                        Originator                        Volume HE551507 - MMSJV       - LSI       -	Project Ref. No.  389107
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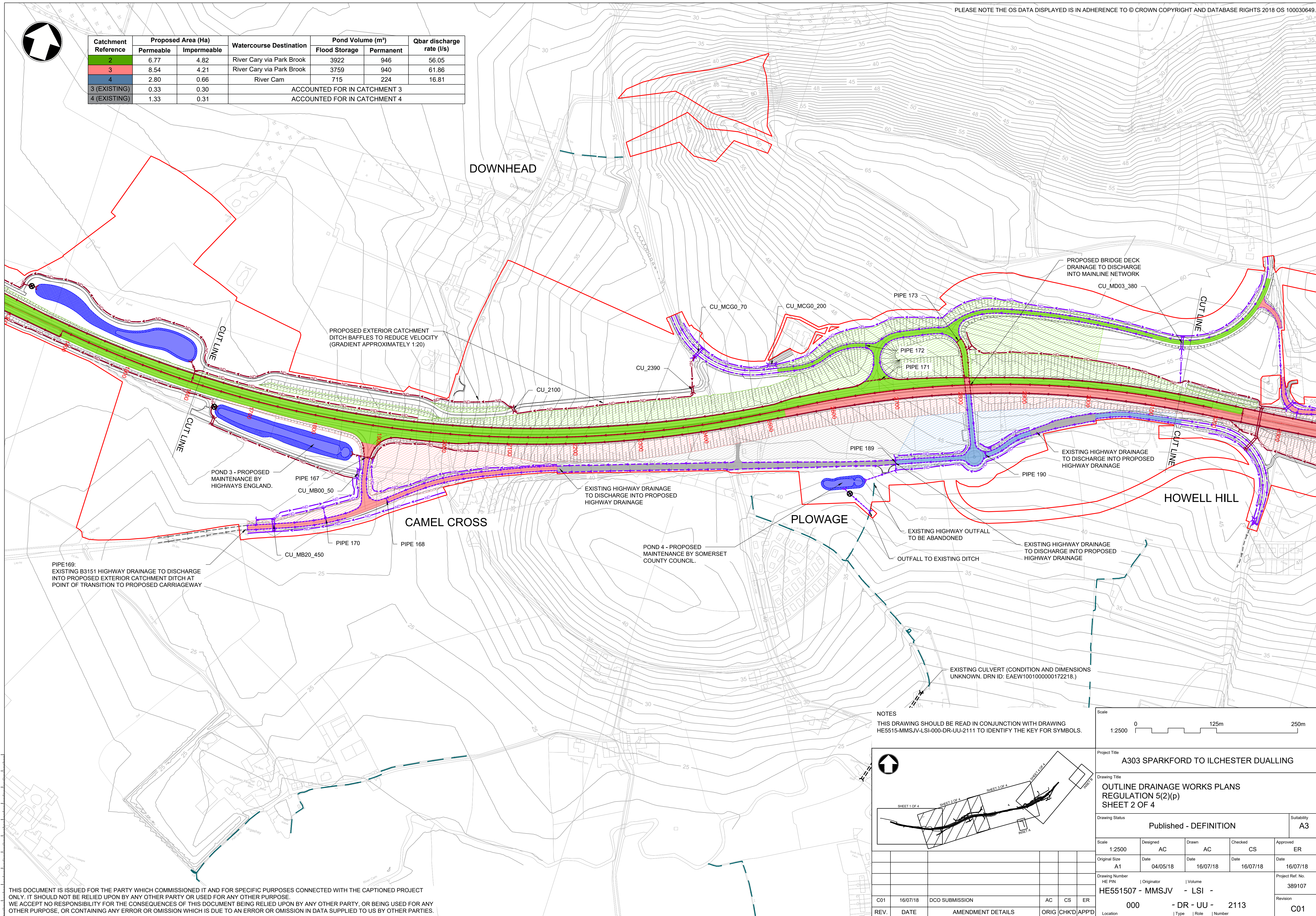
R	000	- DR - UU - 2112			Revision
P'D	Location	Type	Role	Number	C01

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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			

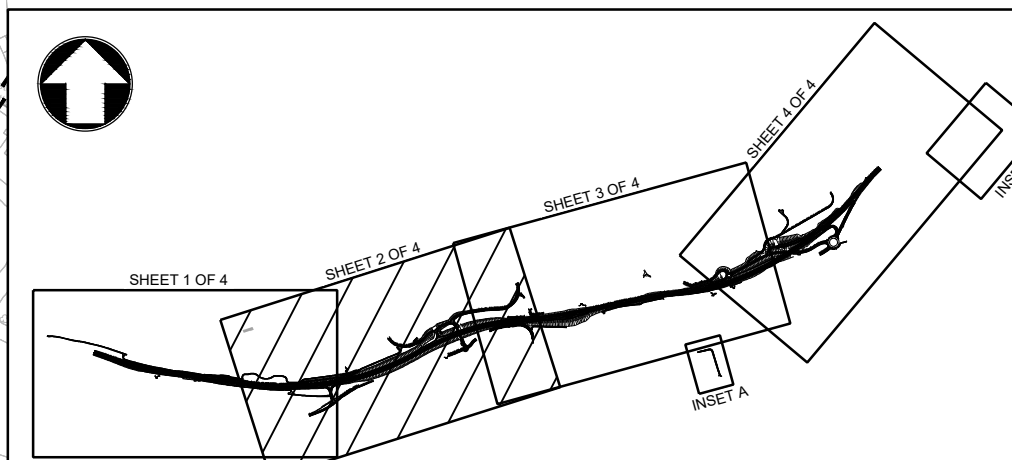


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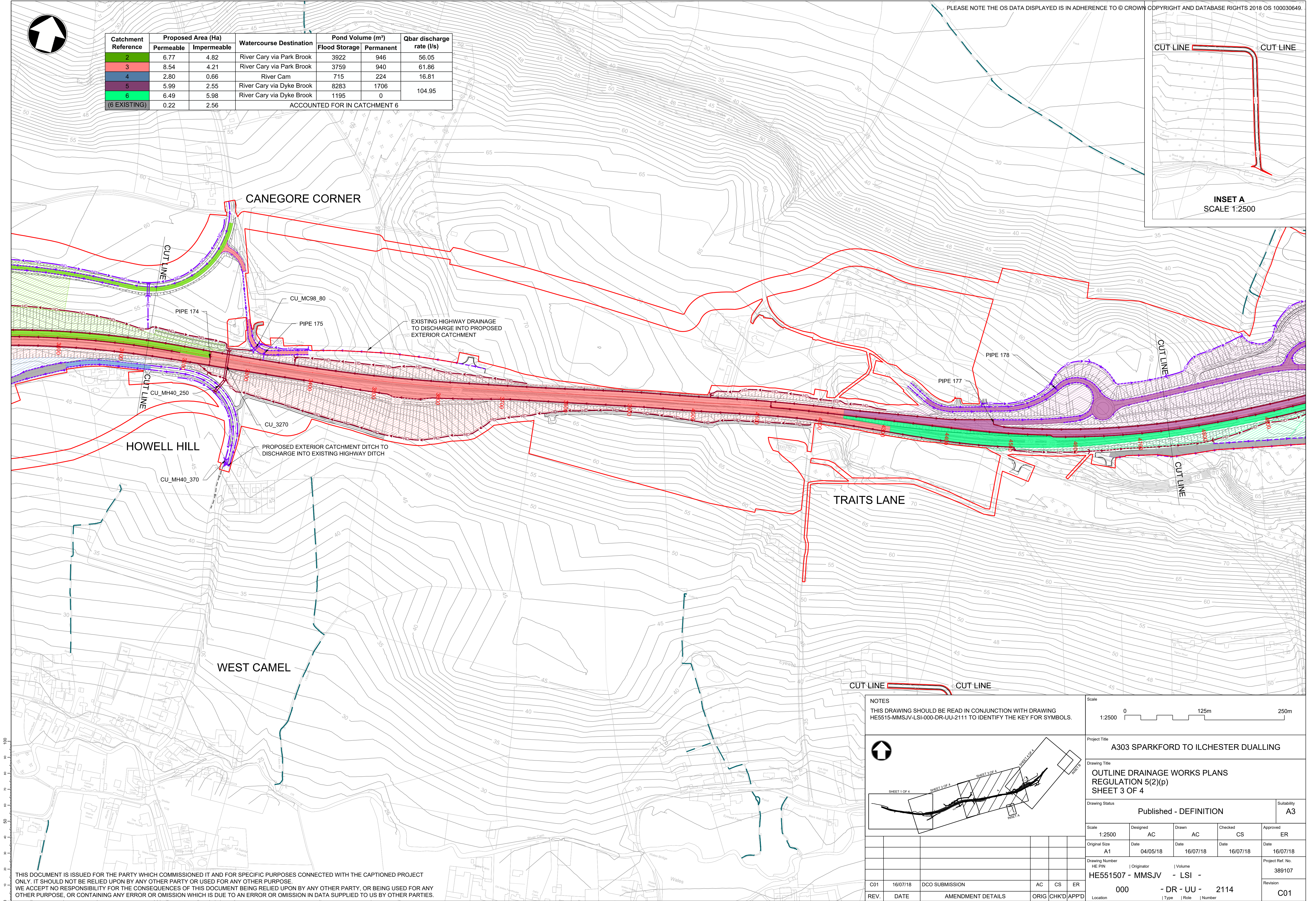
## NOTES

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HE5515-MMSJV-LSI-000-DR-UU-2111 TO IDENTIFY THE KEY FOR SYMBOLS.

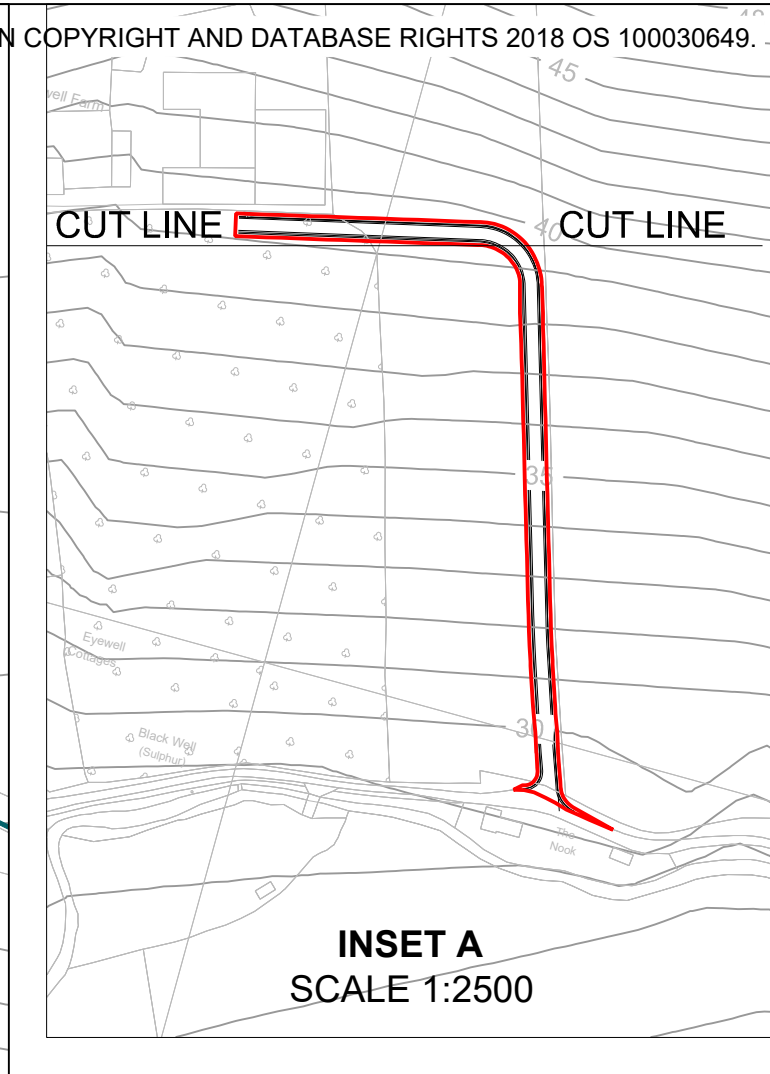


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Project Title	A303 SPARKFORD TO ILCHESTER DUALLING					
Drawing Title	OUTLINE DRAINAGE WORKS PLANS REGULATION 5(2)(p) SHEET 2 OF 4					
Drawing Status	Published - DEFINITION					Suitability <b>A3</b>
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Original Size	A1	Date 04/05/18	Date 16/07/18	Date 16/07/18	Date 16/07/18	
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R						389107
P	000 - DR - UU - 2113					Revision
	Location	Type	Role	Number	<b>C01</b>	



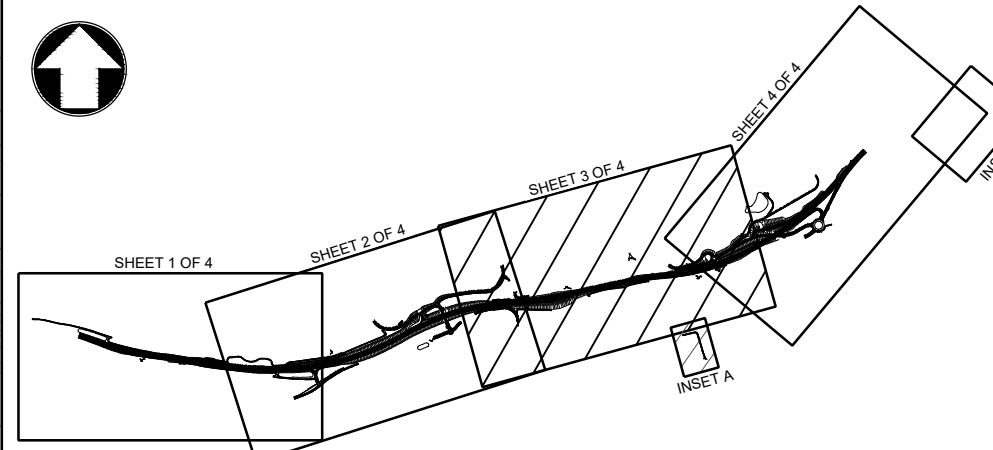


Catchment Reference	Proposed Area (Ha)		Watercourse Destination	Pond Volume (m³)		Qbar discharge rate (l/s)
	Permeable	Impermeable		Flood Storage	Permanent	
2	6.77	4.82	River Cary via Park Brook	3922	946	56.05
3	8.54	4.21	River Cary via Park Brook	3759	940	61.86
4	2.80	0.66	River Cam	715	224	16.81
5	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 EXISTING)	0.22	2.56	ACCOUNTED FOR IN CATCHMENT 6			



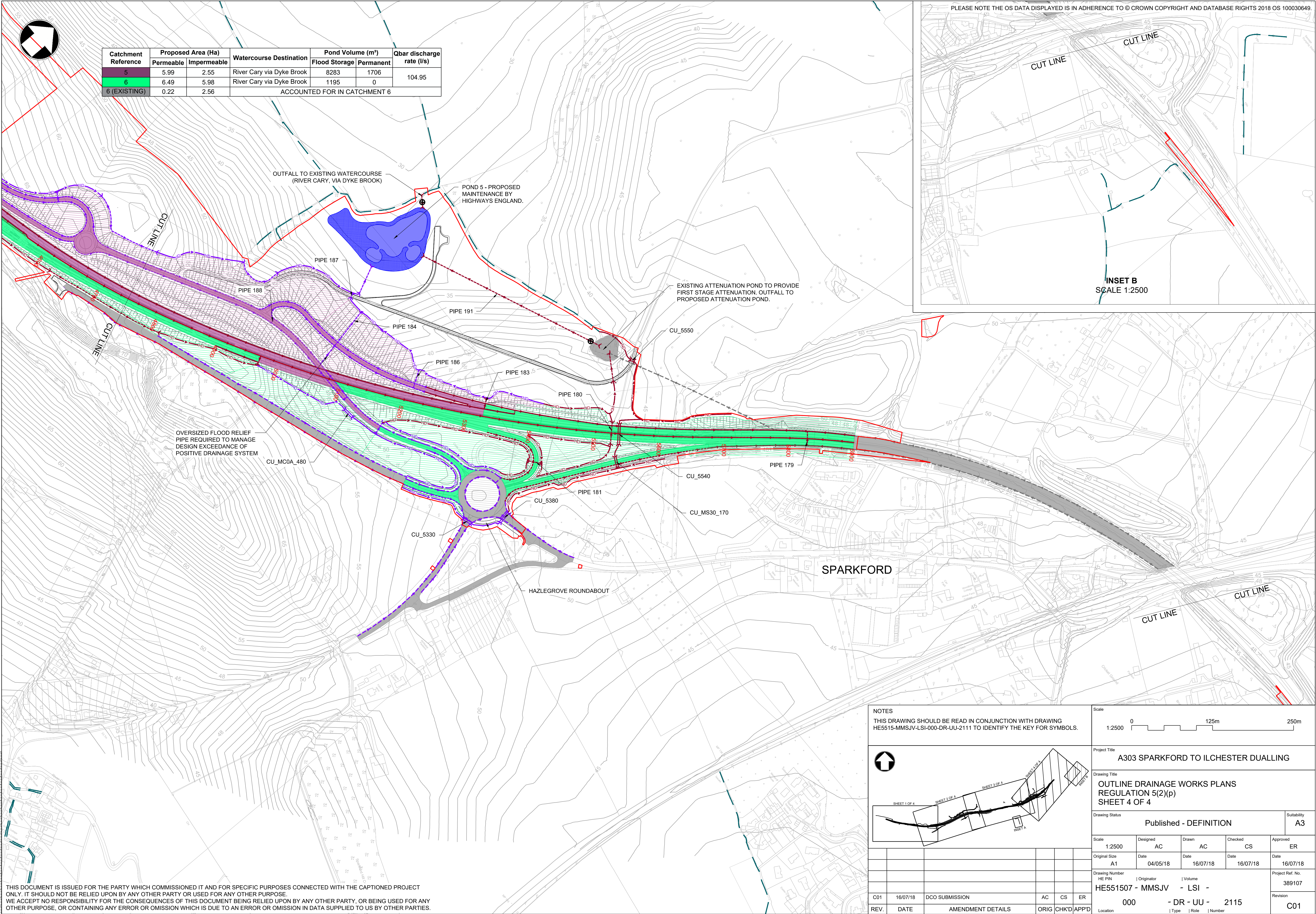
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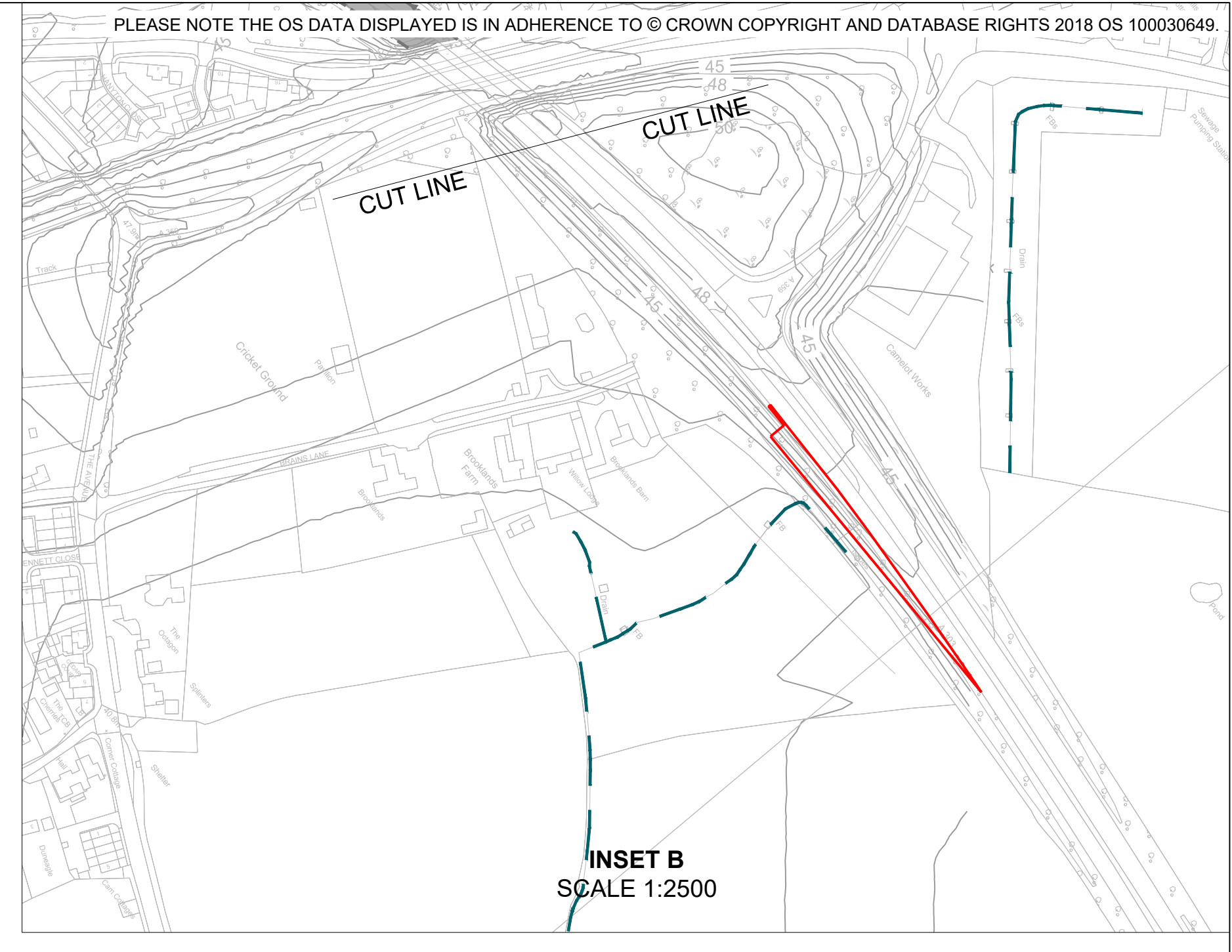


C01	16/07/18	DCO SUBMISSION		AC	CS
REV.	DATE	AMENDMENT DETAILS		ORIG	CHK'D





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 (EXISTING)	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.

Scale

1:2500

0 125m 250m

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

Scale

1:2500

Original Size

A1

Drawing Number

HE PIN

REV.

C01

DATE

16/07/18

AMENDMENT DETAILS

DCO SUBMISSION

ORIG

AC

CHKD

CS

APP'D

ER

Location

000

Project Ref. No.

389107

Revision

C01

Scale

1:2500

Designed

AC

Drawn

AC

Checked

CS

Approved

ER

Date

04/05/18

Date

16/07/18

Date

16/07/18

Date

16/07/18

Originator

HE551507 - MMSJV

Volume

- LSI -

Type

- DR -

Role

- UU -

Number

2115

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- DR - UU - 2115

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- DR - UU - 2115

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