

M54 to M6 Link Road
TR010054
Volume 2
2.11 Outline Drainage Works

Regulation 5(2)(o)

Planning Act 2008

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

October 2020

Infrastructure Planning

Planning Act 2008

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

**M54 to M6 Link Road
Development Consent Order 202[]**

Outline Drainage Works

Regulation Number	Regulation 5(2)(o)
Planning Inspectorate Scheme Reference	TR010054
Application Document Reference	2.11
Author	M54 to M6 Link Road Project Team and Highways England

Version	Date	Status of Version
P03	October 2020	Update due to Proposed Scheme Changes October 2020

Schedule of Plans included in this Application Document

Drawing Number	Drawing Title	Revision
HE514465-ACM-DCO-M54_SW_PR_Z-DR-CD-1700	DRAINAGE ENGINEERING REGULATIONS 5(2)(O) KEY SHEET	P04
HE514465-ACM-DCO-M54_SW_PR_Z-DR-CD-1701	DRAINAGE ENGINEERING REGULATION 5(2)(O) SHEET 1 OF 10	P03
HE514465-ACM-DCO-M54_SW_PR_Z-DR-CD-1702	DRAINAGE ENGINEERING REGULATION 5(2)(O) SHEET 2 OF 10	P01
HE514465-ACM-DCO-M54_SW_PR_Z-DR-CD-1703	DRAINAGE ENGINEERING REGULATION 5(2)(O) SHEET 3 OF 10	P02
HE514465-ACM-DCO-M54_SW_PR_Z-DR-CD-1704	DRAINAGE ENGINEERING REGULATION 5(2)(O) SHEET 4 OF 10	P02
HE514465-ACM-DCO-M54_SW_PR_Z-DR-CD-1705	DRAINAGE ENGINEERING REGULATION 5(2)(O) SHEET 5 OF 10	P02
HE514465-ACM-DCO-M54_SW_PR_Z-DR-CD-1706	DRAINAGE ENGINEERING REGULATION 5(2)(O) SHEET 6 OF 10	P02
HE514465-ACM-DCO-M54_SW_PR_Z-DR-CD-1707	DRAINAGE ENGINEERING REGULATION 5(2)(O) SHEET 7 OF 10	P01
HE514465-ACM-DCO-M54_SW_PR_Z-DR-CD-1708	DRAINAGE ENGINEERING REGULATION 5(2)(O) SHEET 8 OF 10	P01
HE514465-ACM-DCO-M54_SW_PR_Z-DR-CD-1709	DRAINAGE ENGINEERING REGULATION 5(2)(O) SHEET 9 OF 10	P01
HE514465-ACM-DCO-M54_SW_PR_Z-DR-CD-1710	DRAINAGE ENGINEERING REGULATION 5(2)(O) SHEET 10 OF 10	P01



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- KEY**
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Revision	By	Date	Suffix
SO	RR	14/01/20	P01
MW	RR	23/03/20	P02
MW	RR	11/05/20	P03
MW	SB	28/09/20	P04

Purpose of issue
DCO APPLICATION

Client
 Highways England
 Floor 5
 20 Colmore Square
 38 Colmore Circus
 Birmingham
 B4 6BN

Development Consent Order Number
TR010054

Project Title
M54 to M6 Link Road

Development Consent Order Drawing Number
TR010054/APP/2.11

Drawing Title
DRAINAGE ENGINEERING REGULATIONS 5(2)(O) KEY SHEET

Designed	Drawn	Checked	Approved	Date
SO	MW	JH	SB	28/09/20

Internal Project No.
60536736

Scale @ A1
1:20000H/1:20000V

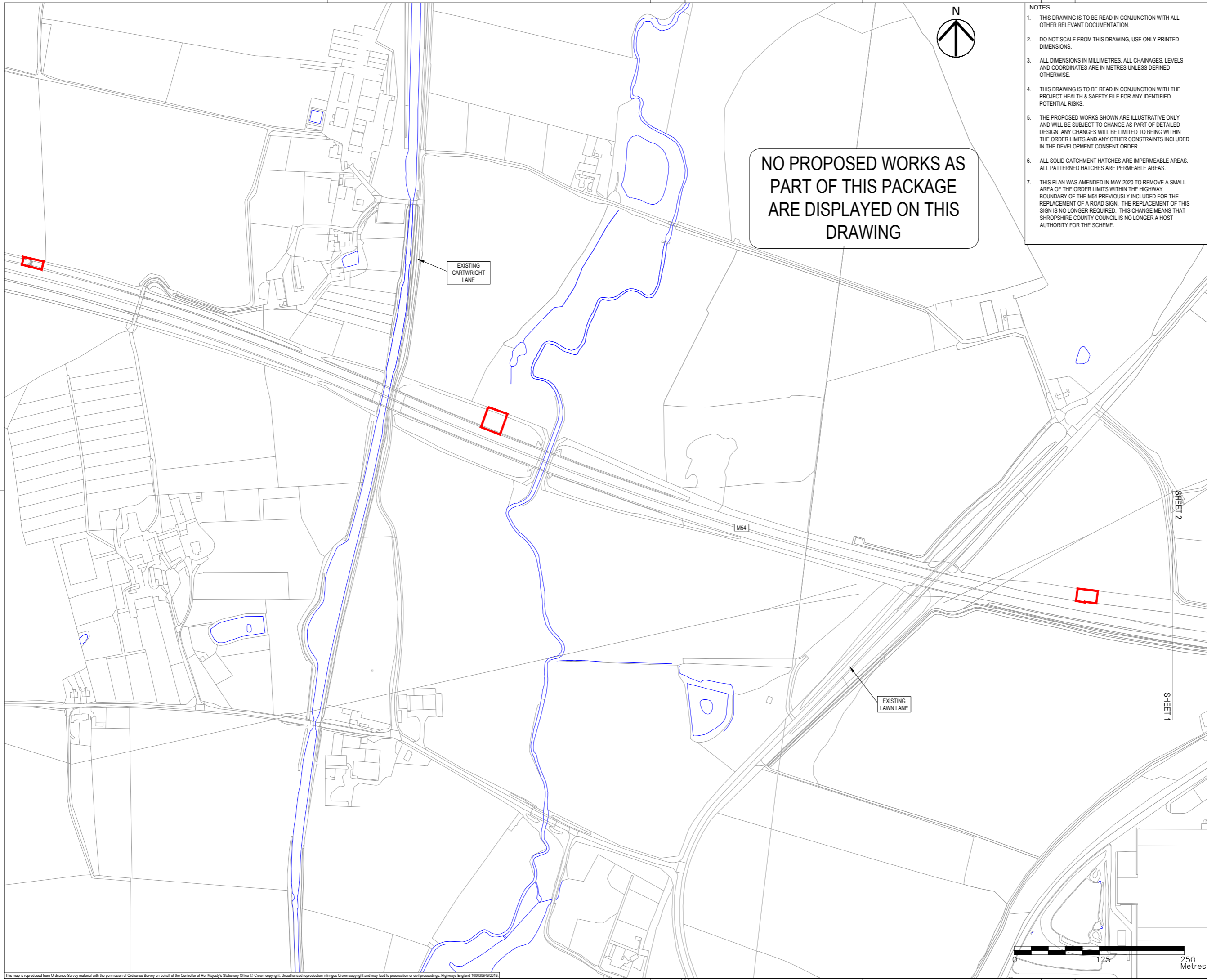
Suitability
S8

Zone
Development Consent Order

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Drawing Number	Highways England PIN	Originator	Volume	Rev
HE514465	-ACM	-DCO-		P04
M54_SW_PR_Z		-DR-CD-1700		

Location | Type | Role | Number



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Revision Details	By	Check	Date	Suffix
First Issue	SO	RR	14/01/20	P01
Sheet 1 Inset 'A' removed.	MW	RR	23/03/20	P02
Note 7 added.	MW	RR	11/05/20	P03

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DCO APPLICATION

Client
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38 Colmore Circus
Birmingham
B4 6BN

Development Consent Order Number
TR010054

Project Title
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Development Consent Order Drawing Number
TR010054/APP/2.11

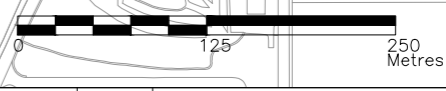
Drawing Title
DRAINAGE ENGINEERING
REGULATION 5(2)(O)
SHEET 1 OF 10

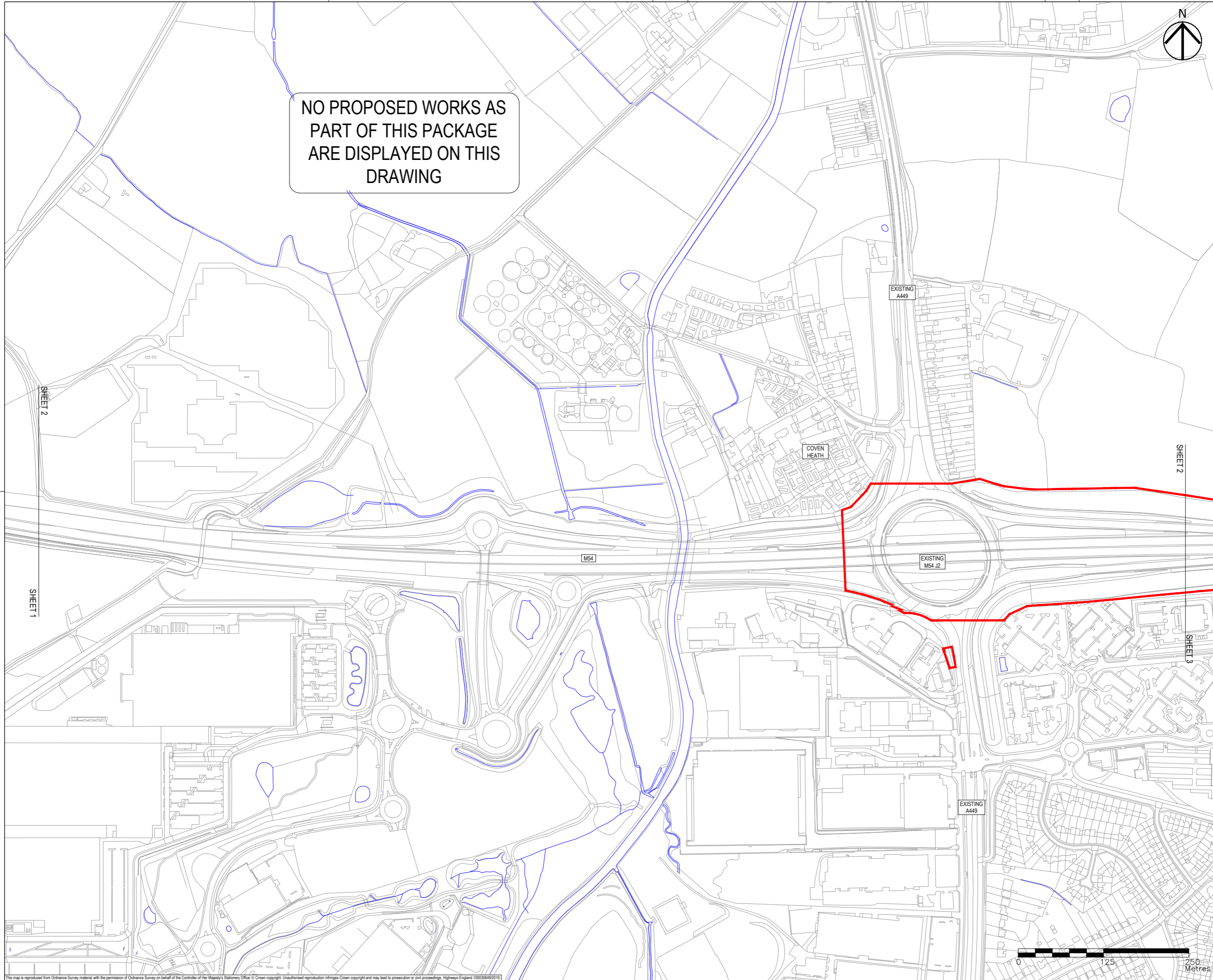
Designed	Drawn	Checked	Approved	Date
SO	MW	AM	RR	11/05/20

Internal Project No. 60536736
Scale @ A1 1:1250H/1:1250V
Suitability S8
Zone Development Consent Order

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HE514465	-ACM	-DCO-		P03
Z1_SW_PR_Z		-DR-CD-1701		
Location	I Type	I Role	I Number	





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Revision Details	By	Check	Date	Suffix

Purpose of issue
DCO APPLICATION

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B4 6BN



Development Consent Order Number
TR010054

Project Title
M54 to M6 Link Road

Development Consent Order Drawing Number
TR010054/APP/2.11

Drawing Title
**DRAINAGE ENGINEERING
REGULATION 5(2)(O)
SHEET 2 OF 10**

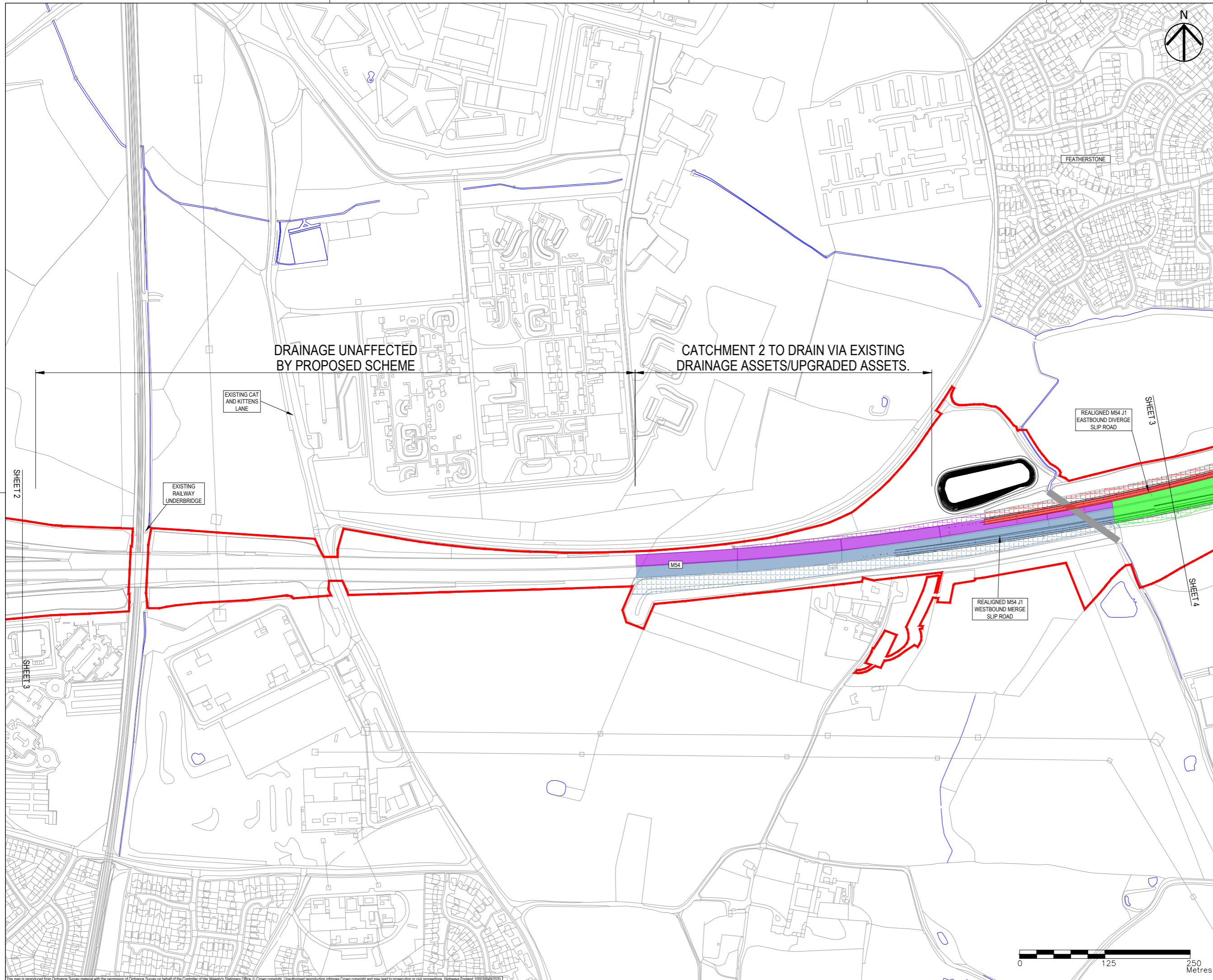
Designed	Drawn	Checked	Approved	Date
SO	SO	SB	RR	14/01/20
Internal Project No. 60536736		Suitability S8		
Scale @ A1 1:2500H/1:2500V		Zone Development Consent Order		

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Drawing Number HE514465 -ACM	Originator -DCO-	Volume -DR-CD-1702	Rev P01
Z1_SW_PR_Z			
Location	Type	Role	Number



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DRAINAGE UNAFFECTED BY PROPOSED SCHEME

CATCHMENT 2 TO DRAIN VIA EXISTING DRAINAGE ASSETS/UPGRADED ASSETS.

EXISTING CAT AND KITTENS LANE

EXISTING RAILWAY UNDERBRIDGE

REALIGNED M54 J1 EASTBOUND DIVERGE SLIP ROAD

REALIGNED M54 J1 WESTBOUND MERGE SLIP ROAD

First Issue	SO	RR	14/01/20	P01
Updated to reflect Oct 2020 scheme changes.	MW	SB	28/09/20	P02
Revision Details	By	Check	Date	Suffix

DCO APPLICATION

Client
Highways England
Floor 5
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN

Development Consent Order Number
TR010054

Project Title
M54 to M6 Link Road

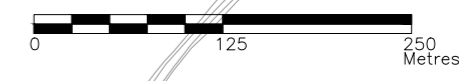
Development Consent Order Drawing Number
TR010054/APP/2.11

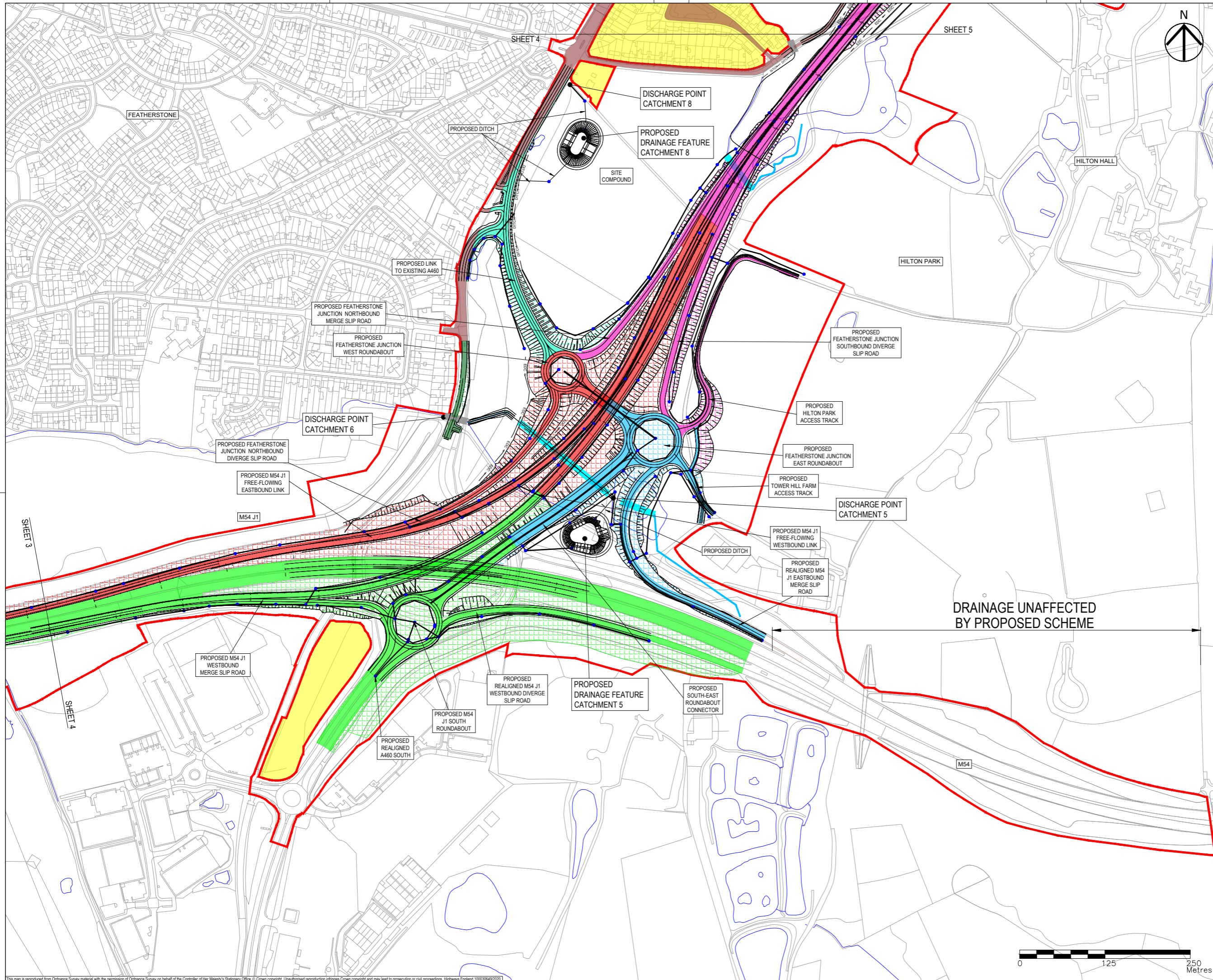
Drawing Title
DRAINAGE ENGINEERING REGULATION 5(2)(O) SHEET 3 OF 10

Designed	Drawn	Checked	Approved	Date
SO	MW	JH	SB	28/09/20
Internal Project No.	Suitability			
60536736	S8			
Scale @ A1	Zone			
1:2500H/1:2500V	Development Consent Order			

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Drawing Number	Highways England PIN	Originator	Volume	Rev
HE514465	-ACM	-DCO-		P02
Z1 SW_PR_Z		-DR-CD-1703		
Location	Type	Role	Number	





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First Issue	JP	RR	14/01/20	P01
Updated to reflect Oct 2020 scheme changes.	MW	SB	28/09/20	P02
Revision Details	By	Check	Date	Suffix

Purpose of issue

DCO APPLICATION

Client
Highways England
Floor 5
Two Colmore Square
38 Colmore Circus
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B4 6BN

Development Consent Order Number
TR010054

Project Title
M54 to M6 Link Road

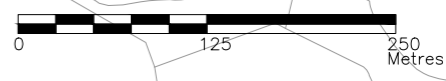
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**DRAINAGE ENGINEERING
REGULATION 5(2)(O)
SHEET 4 OF 10**

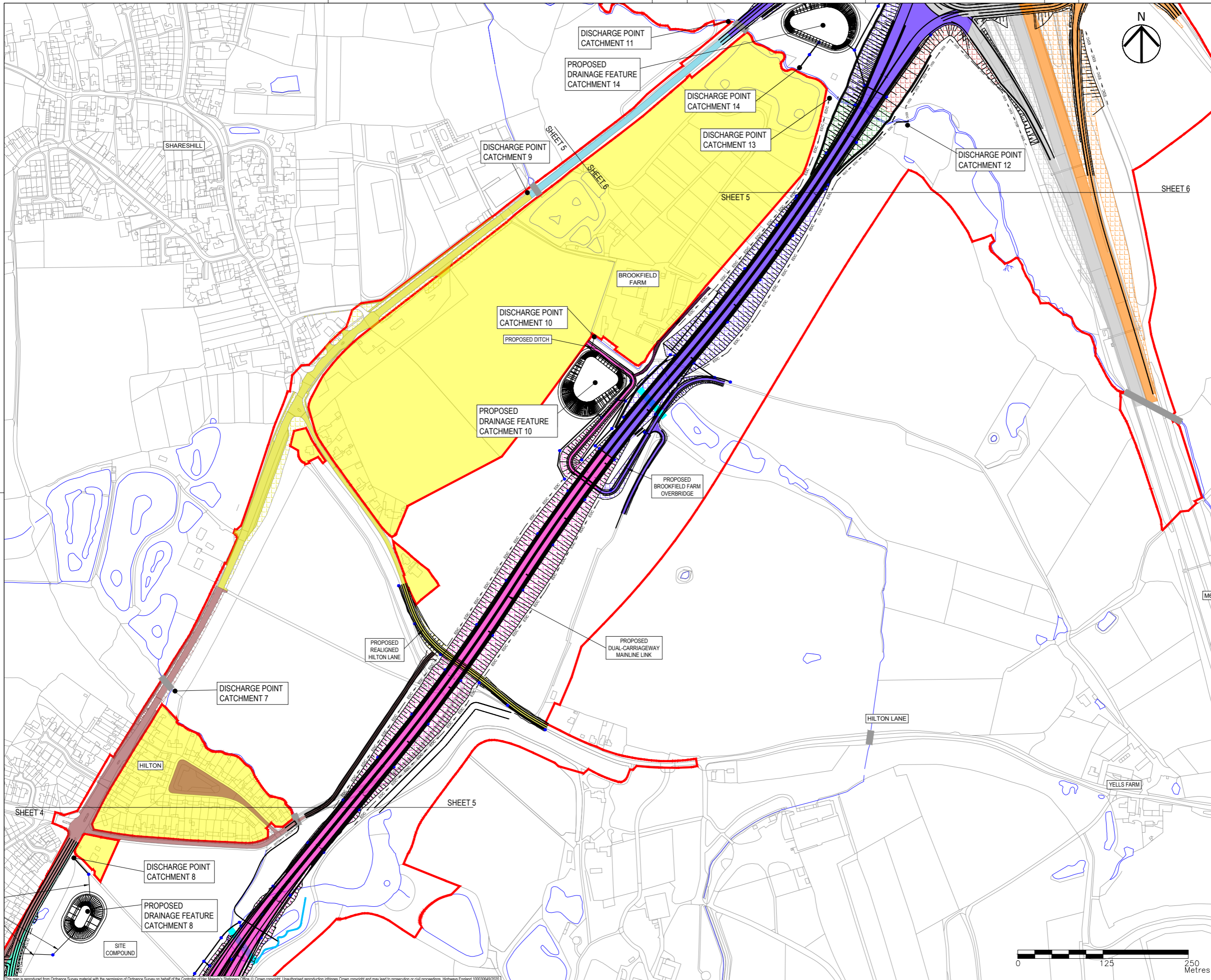
Designed SO	Drawn MW	Checked JH	Approved SB	Date 28/09/20
Internal Project No. 60536736	Suitability S8			Zone
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Location Z1 SW_PR_Z				Type I Role I Number



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2	MW	28/09/20	P02

DCO APPLICATION

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 Floor 5
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 B4 6BN

Development Consent Order Number: **TR010054**

Project Title: **M54 to M6 Link Road**

Development Consent Order Drawing Number: **TR010054/APP/2.11**

**DRAINAGE ENGINEERING
 REGULATION 5(2)(O)
 SHEET 5 OF 10**

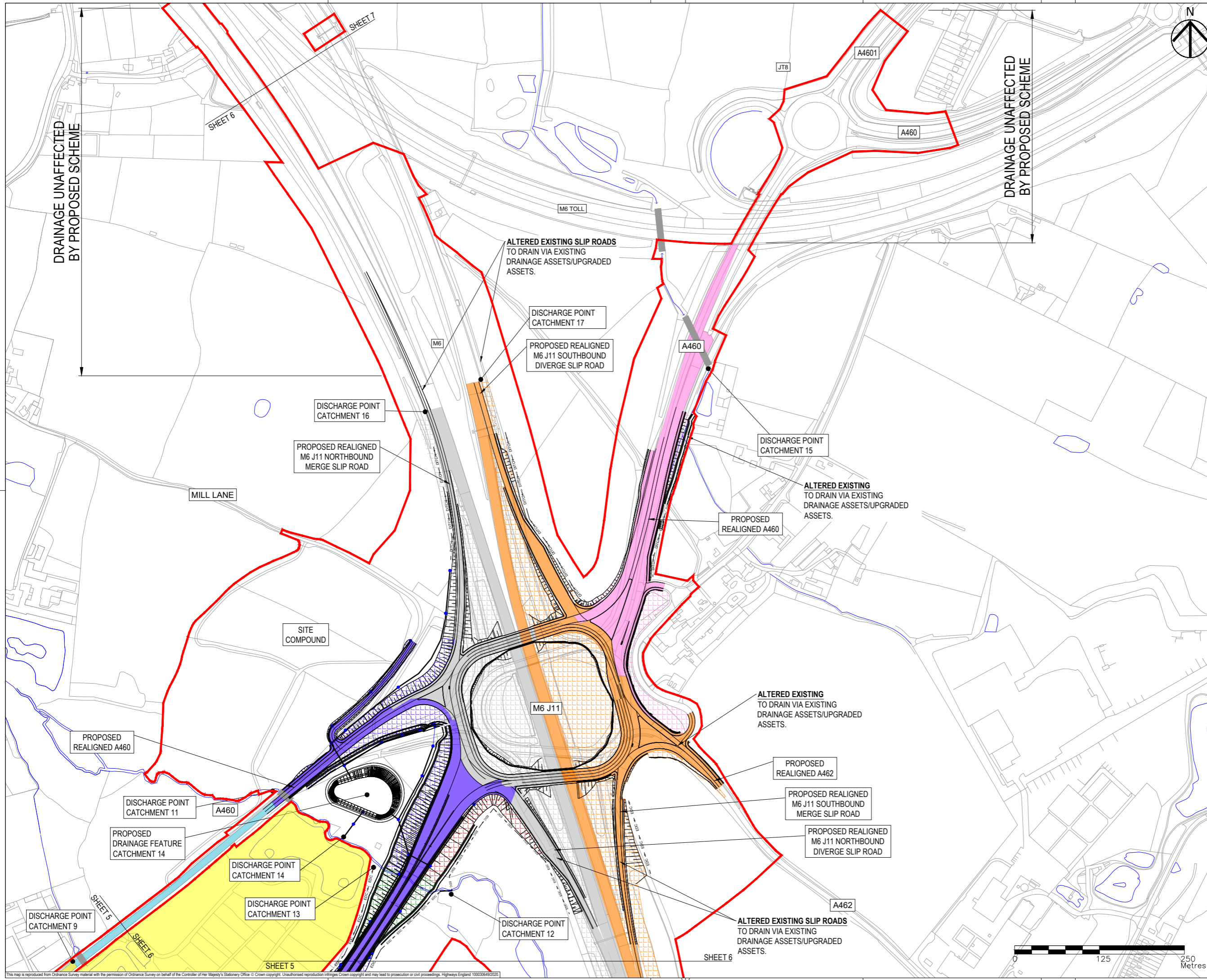
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HE514465	-ACM	-DCO-		P02
Z2 SW_PR_Z		-DR-CD-1705		

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 - PROPOSED CATCHMENT 17

First Issue	JP	RR	14/01/20	P01
Updated to reflect Oct 2020 scheme changes.	MW	SB	28/09/20	P02
Revision Details	By	Check	Date	Suffix

DCO APPLICATION

Client
Highways England
Floor 5
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN

Development Consent Order Number
TR010054

Project Title
M54 to M6 Link Road

Development Consent Order Drawing Number
TR010054/APP/2.11

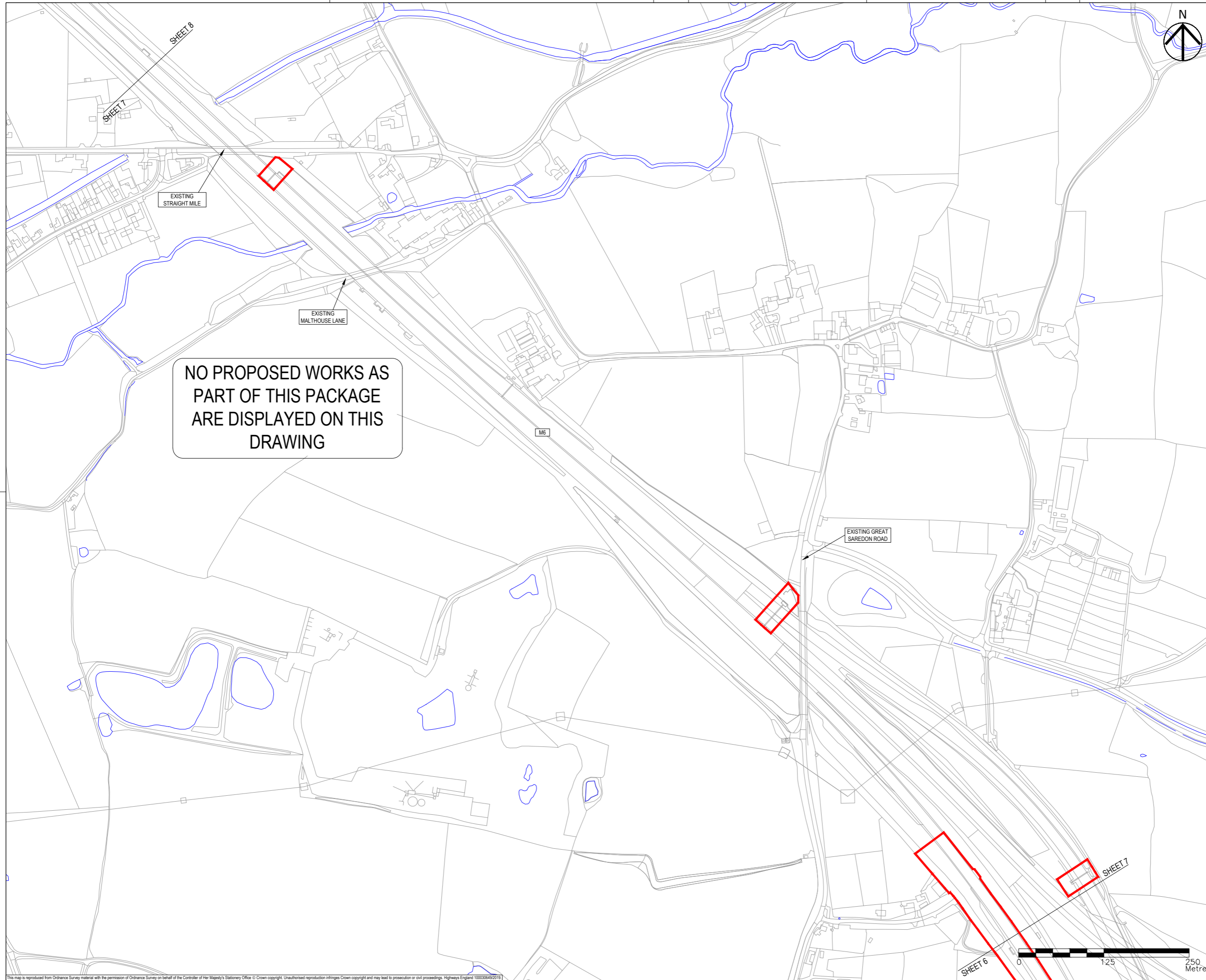
**DRAINAGE ENGINEERING
REGULATION 5(2)(O)
SHEET 6 OF 10**

Designed	Drawn	Checked	Approved	Date
SO	MW	JH	SB	28/09/20
Internal Project No. 60536736	Suitability S8		Zone	
Scale @ A1 1:2500H/1:2500V	Development Consent Order			

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Drawing Number HE514465	Originator -ACM	Volume -DCO-	Rev P02
Location Z3 SW_PR_Z	Type -DR-CD-1706	Number 1	

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First Issue	SO	RR	14/01/20	P01
Revision Details	By	Check	Date	Suffix

Purpose of Issue
DCO APPLICATION

Client
Highways England
Floor 5
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN



Development Consent Order Number
TR010054

Project Title
M54 to M6 Link Road

Development Consent Order Drawing Number
TR010054/APP/2.11

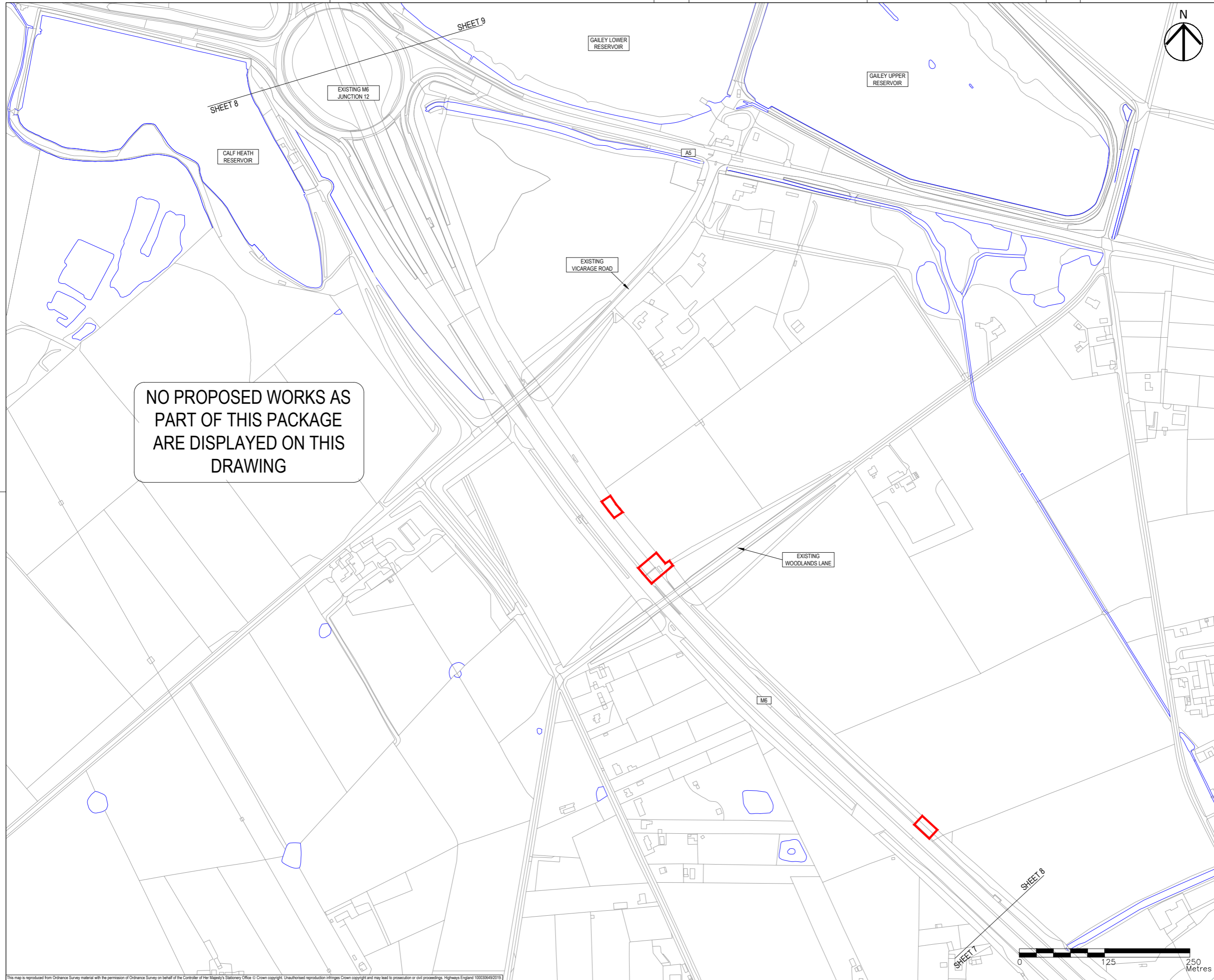
Drawing Title
DRAINAGE ENGINEERING
REGULATION 5(2)(O)
SHEET 7 OF 10

Designed	Drawn	Checked	Approved	Date
SO	SO	SB	RR	14/01/20
Internal Project No. 60536736		Suitability S8		
Scale @ A1 1:2500H/1:2500V		Zone Development Consent Order		

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Drawing Number HE514465	Originator -ACM	Volume -DCO-	P01
Location Z3 SW_PR_Z	Issue -DR-CD-1707	Role I Number	

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First Issue	SO	RR	14/01/20	P01
Revision Details	By	Check	Date	Suffix

DCO APPLICATION

Client
Highways England
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN



Development Consent Order Number
TR010054

Project Title
M54 to M6 Link Road

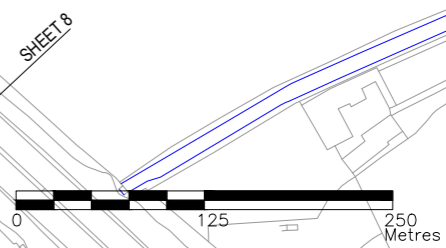
Development Consent Order Drawing Number
TR010054/APP/2.11

Drawing Title
**DRAINAGE ENGINEERING
REGULATION 5(2)(O)
SHEET 8 OF 10**

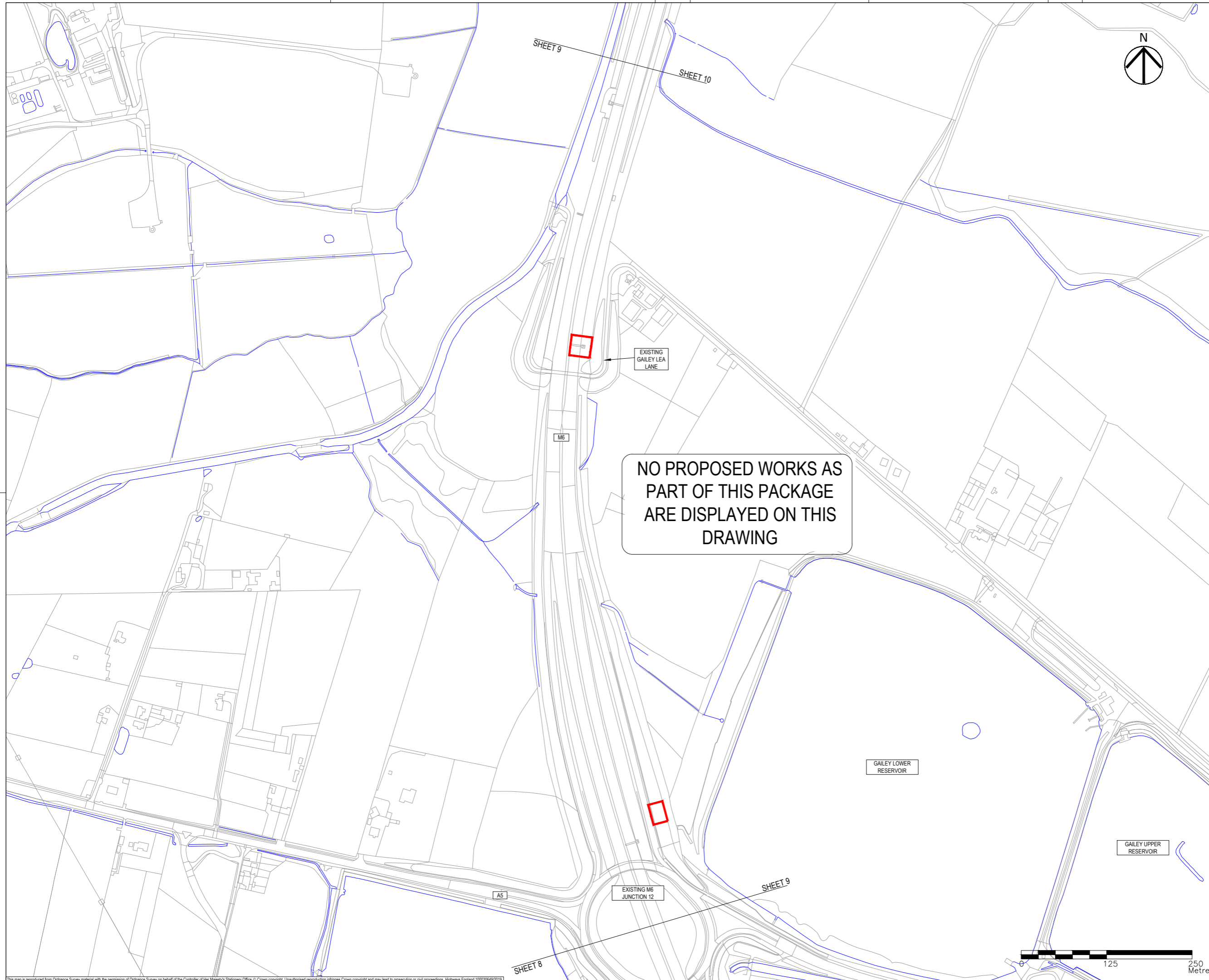
Designed	Drawn	Checked	Approved	Date
SO	SO	SB	RR	14/01/20
Internal Project No.	Suitability			
60536736	S8			
Scale @ A1	Zone			
1:2500H/1:2500V	Development Consent Order			

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Drawing Number	Originator	Volume	Rev
HE514465 -ACM	-DCO-	Z3 SW_PR_Z	P01
Location	Type	Role	Number



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First Issue	SO	RR	14/01/20	P01
Revision Details	By	Check	Date	Suffix

Purpose of issue
DCO APPLICATION

Client
Highways England
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN



Development Consent Order Number
TR010054

Project Title
M54 to M6 Link Road

Development Consent Order Drawing Number
TR010054/APP/2.11

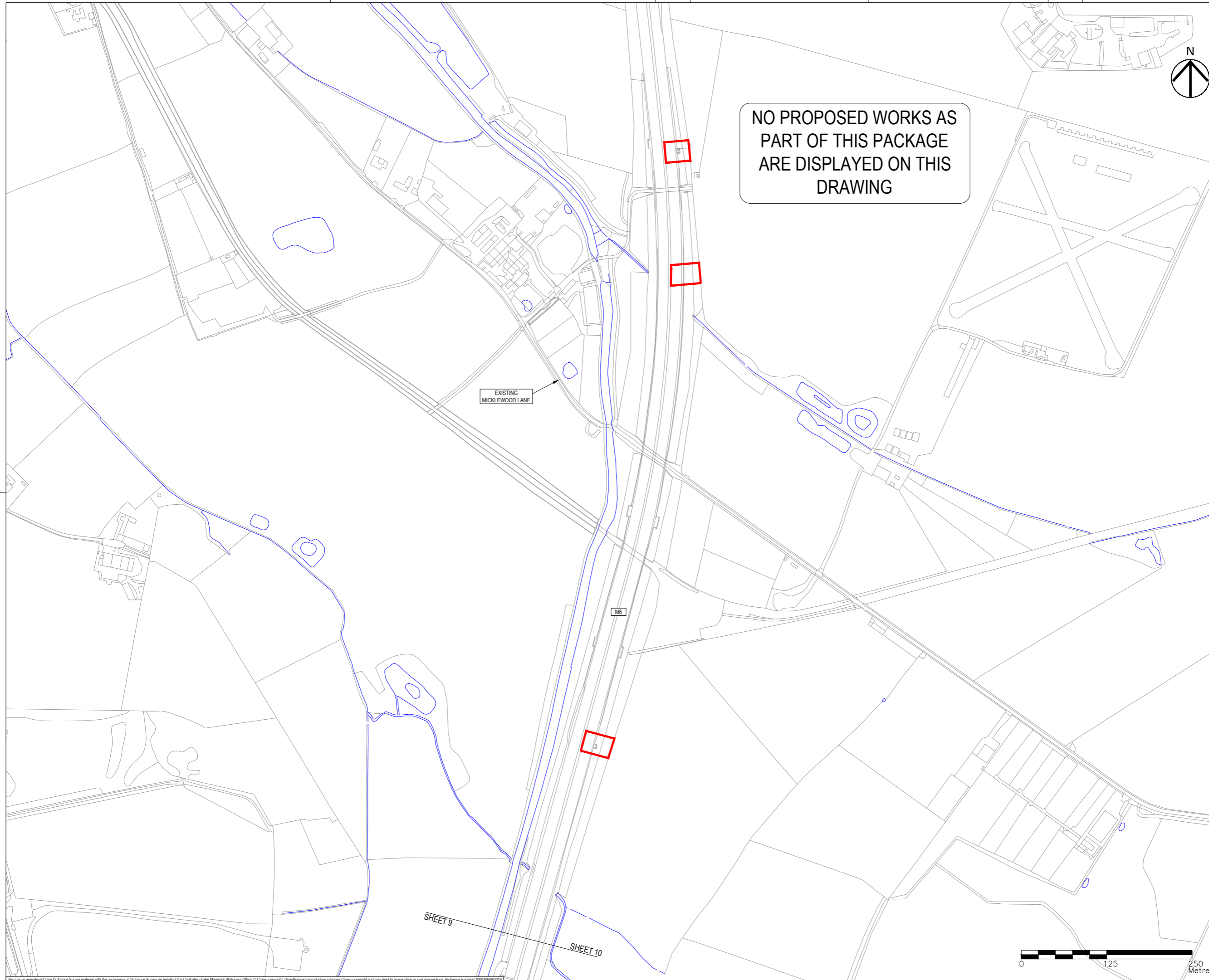
Drawing Title
**DRAINAGE ENGINEERING
REGULATION 5(2)(O)
SHEET 9 OF 10**

Designed	Drawn	Checked	Approved	Date
SO	SO	SB	RR	14/01/20
Internal Project No. 60536736	Suitability S8			
Scale @ A1 1:2500H/1:2500V	Zone Development Consent Order			

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Drawing Number HE514465 -ACM	Originator -DCO-	Volume -DR-CD-1709	Rev P01
Location Z3_SW_PR_Z	Type I	Role I	Number I

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First Issue	SO	RR	14/01/20	P01
Revision Details	By	Check	Date	Suffix

Purpose of issue
DCO APPLICATION

Client
Highways England
Two Colmore Square
38 Colmore Circus
Birmingham
B4 6BN



Development Consent Order Number
TR010054

Project Title
M54 to M6 Link Road

Development Consent Order Drawing Number
TR010054/APP/2.11

Drawing Title
**DRAINAGE ENGINEERING
REGULATION 5(2)(O)
SHEET 10 OF 10**

Designed	Drawn	Checked	Approved	Date
SO	SO	SB	RR	14/01/20
Internal Project No. 60536736		Suitability S8		
Scale @ A1 1:2500H/1:2500V		Zone Development Consent Order		

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Location Z3_SW_PR_Z	Type I	Role I	Number I