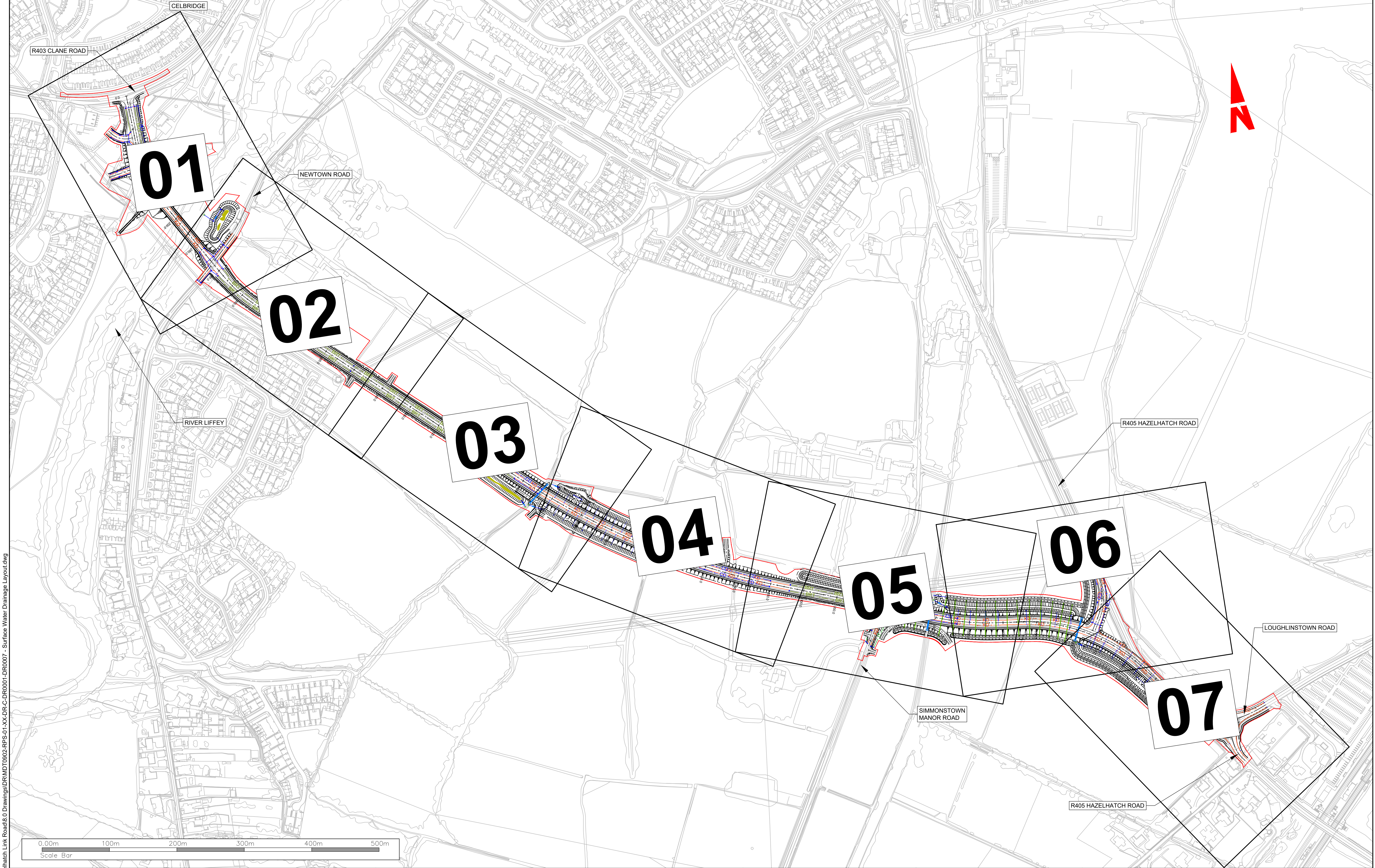




R:\MDT0902 - Celbridge to Hazelhatch Link Road\8.0 Drawings\DR\MDT0902-RPS-01-XX-DR-C-DR0001-DR0007 - Surface Water Drainage Layout.dwg

Client



General Notes

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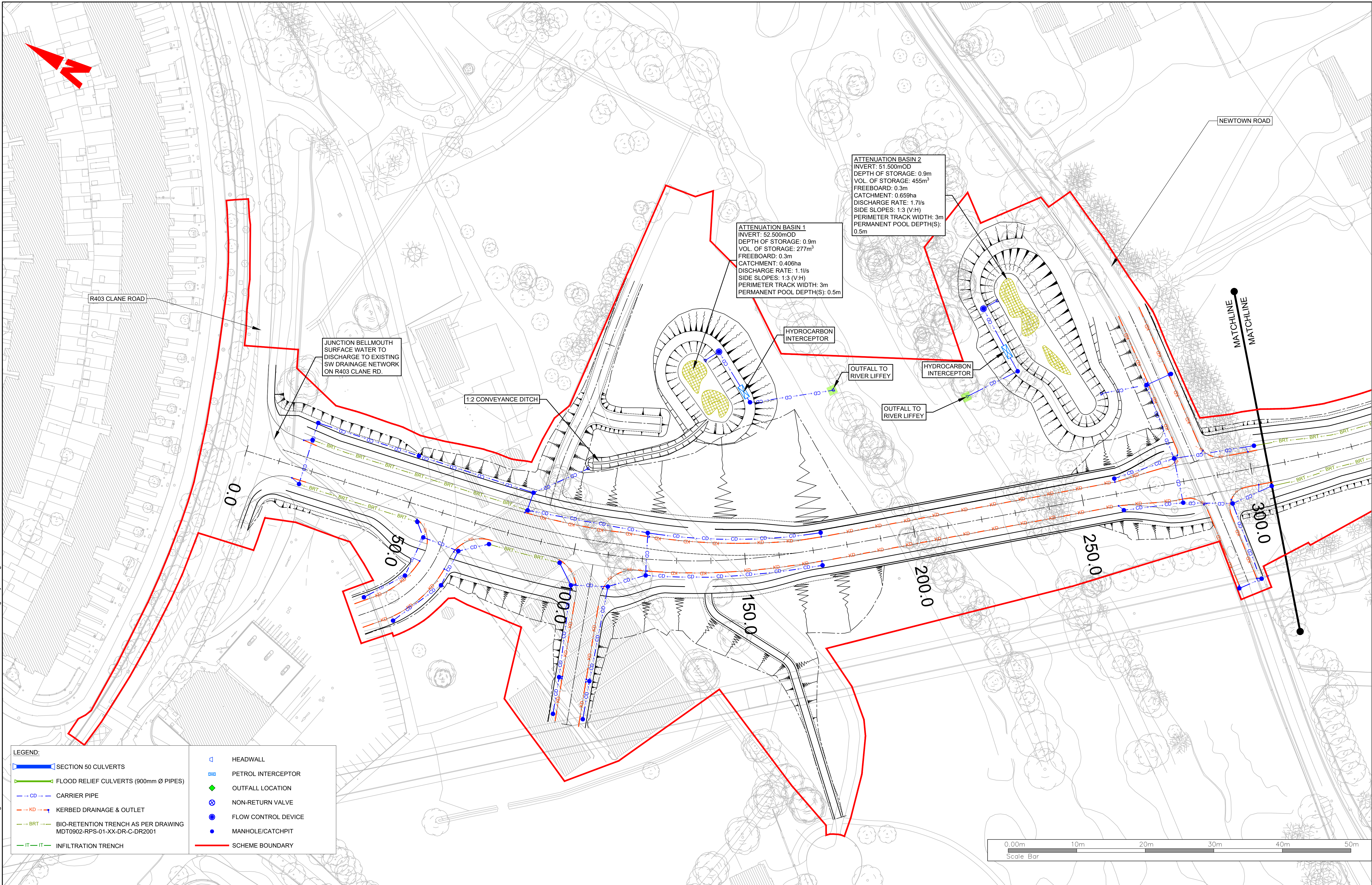
(ii) DO NOT SCALE, use figured dimensions only.

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(v) All Levels refer to Ordnance Survey Datum, Malin Head.

R:\MDT0902 - Celbridge to Hazelhatch Link Road& 0 Drawings\DR\MDT0902-RPS-01-XX-DR-C-DR0001-DR0007 - Surface Water Drainage Layout.dwg



LEGEND:

SECTION 50 CULVERTS

FLOOD RELIEF CULVERTS (900mm Ø PIPES)

CARRIER PIPE

KERBED DRAINAGE & OUTLET

BIO-RETENTION TRENCH AS PER DRAWING MDT0902-RPS-01-XX-DR-C-DR2001

INFILTRATION TRENCH

HEADWALL

PETROL INTERCEPTOR

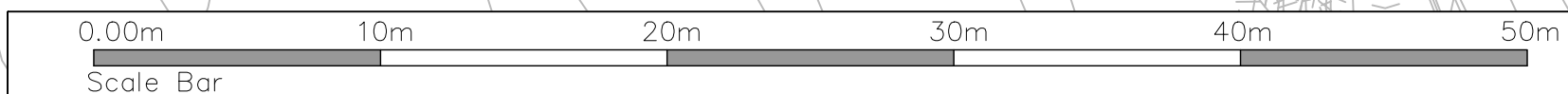
OUTFALL LOCATION

NON-RETURN VALVE

FLOW CONTROL DEVICE

MANHOLE/CATCHPIT

SCHEME BOUNDARY



Client

Key Plan

General Notes

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Rev	Date	Dwg Cmk	Amendment / Issue	App
C01	28/10/25	PD	FOR PLANNING APPROVAL	

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Scale

1:500 @ A1
1:1000 @ A3

Created on

22/07/2024

Sheets

01 of 07

Project

CELBRIDGE HAZELHATCH MOBILITY CORRIDOR

Title

DRAINAGE
SURFACE WATER LAYOUT

Drawing Number

MDT0902-RPS-01-XX-DR-C-DR0001

Status

A1

Rev

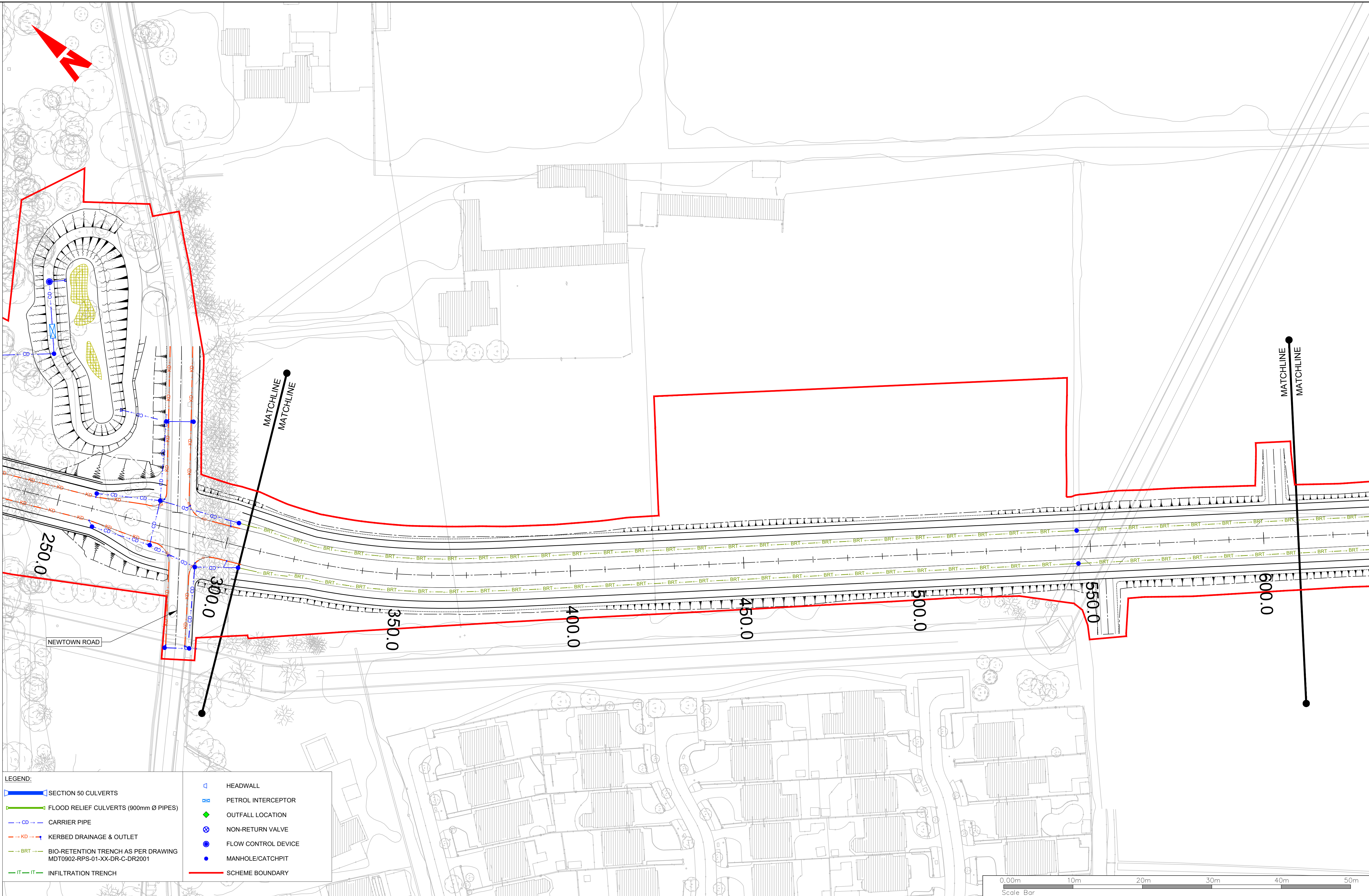
C01

FOR NEXT SECTION REFER TO SHEET 02

R:\MDT0902 - Celbridge to Hazelhatch Link Road&0 Drawings\DR\MDT0902-RPS-01-XX-DR-C-DR0001-DR0007 - Surface Water Drainage Layout.dwg

FOR NEXT SECTION REFER TO SHEET 01

FOR NEXT SECTION REFER TO SHEET 03



LEGEND:

- SECTION 50 CULVERTS
- FLOOD RELIEF CULVERTS (900mm Ø PIPES)
- CARRIER PIPE
- KERBED DRAINAGE & OUTLET
- BIO-RETENTION TRENCH AS PER DRAWING MDT0902-RPS-01-XX-DR-C-DR2001
- INFILTRATION TRENCH
- HEADWALL
- PETROL INTERCEPTOR
- OUTFALL LOCATION
- NON-RETURN VALVE
- FLOW CONTROL DEVICE
- MANHOLE/CATCHPIT
- SCHEME BOUNDARY

Client

Key Plan

General Notes

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Rev	Date	Dn Cnk	Amendment / Issue	App

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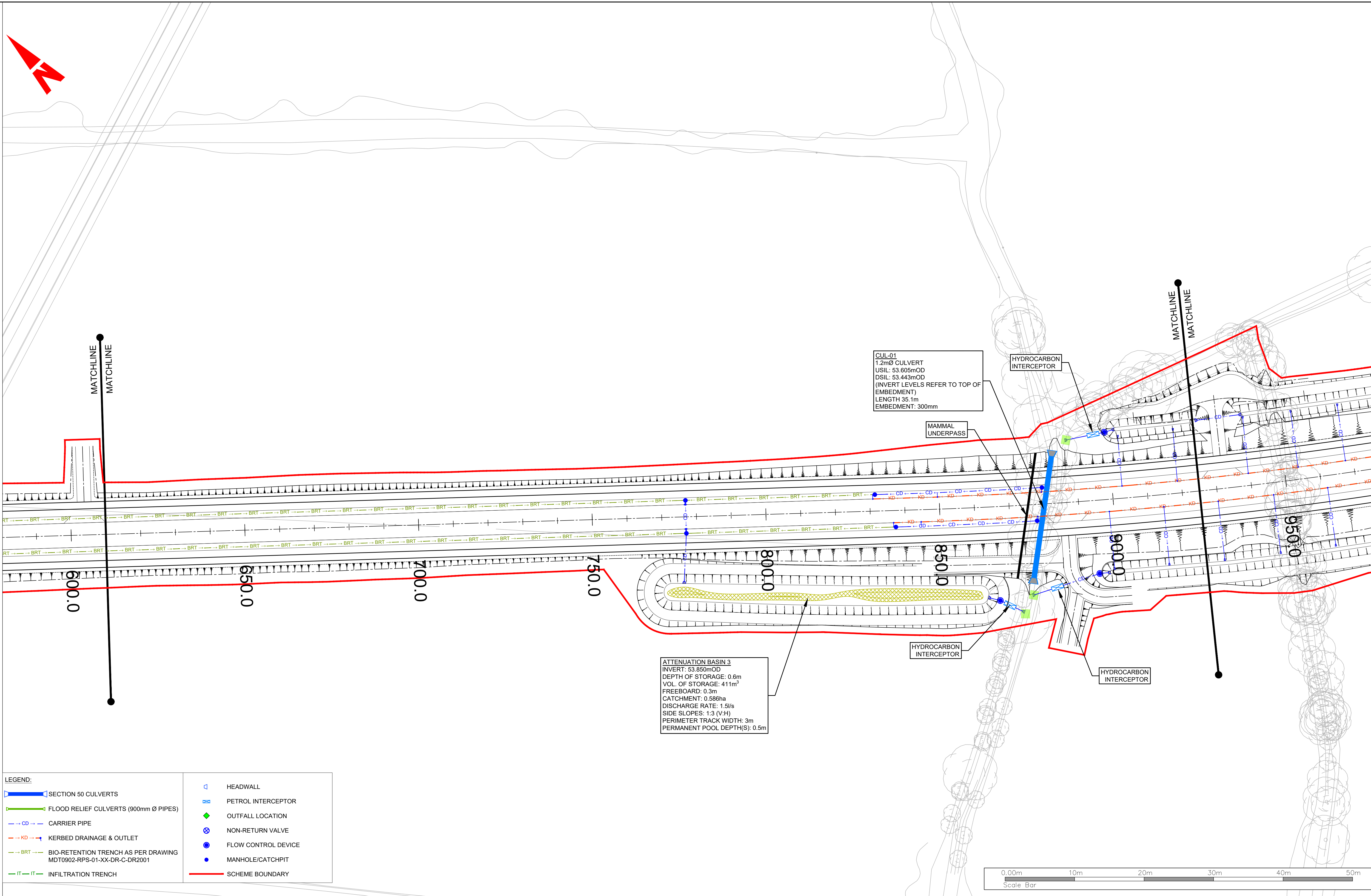
Scale	1:500 @ A1 1:1000 @ A3
Created on	22/07/2024
Sheets	02 of 07

Project	CELBRIDGE HAZELHATCH MOBILITY CORRIDOR		
Title	DRAINAGE SURFACE WATER LAYOUT		
Drawing Number	MDT0902-RPS-01-XX-DR-C-DR0002	Status	A1
Rev	C01		

R:\MDT0902 - Celbridge to Hazelhatch Link Road&0 Drawings\DR\MDT0902-RPS-01-XX-DR-C-DR0001-DR0007 - Surface Water Drainage Layout.dwg

FOR NEXT SECTION REFER TO SHEET 02

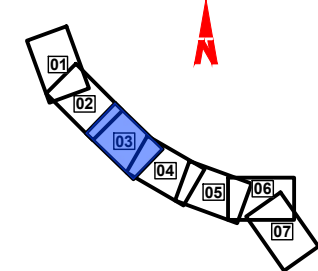
FOR NEXT SECTION REFER TO SHEET 04





Client

Key Plan



General Notes

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Rev	Date	Drawn By	Amendment / Issue	App
C01	28/10/25	PD	FOR PLANNING APPROVAL	



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Scale: 1:500 @ A1
1:1000 @ A3

Created on: 22/07/2024

Sheets: 03 of 07

Project: CELBRIDGE HAZELHATCH MOBILITY CORRIDOR

Title: DRAINAGE SURFACE WATER LAYOUT

Drawing Number: MDT0902-RPS-01-XX-DR-C-DR0003

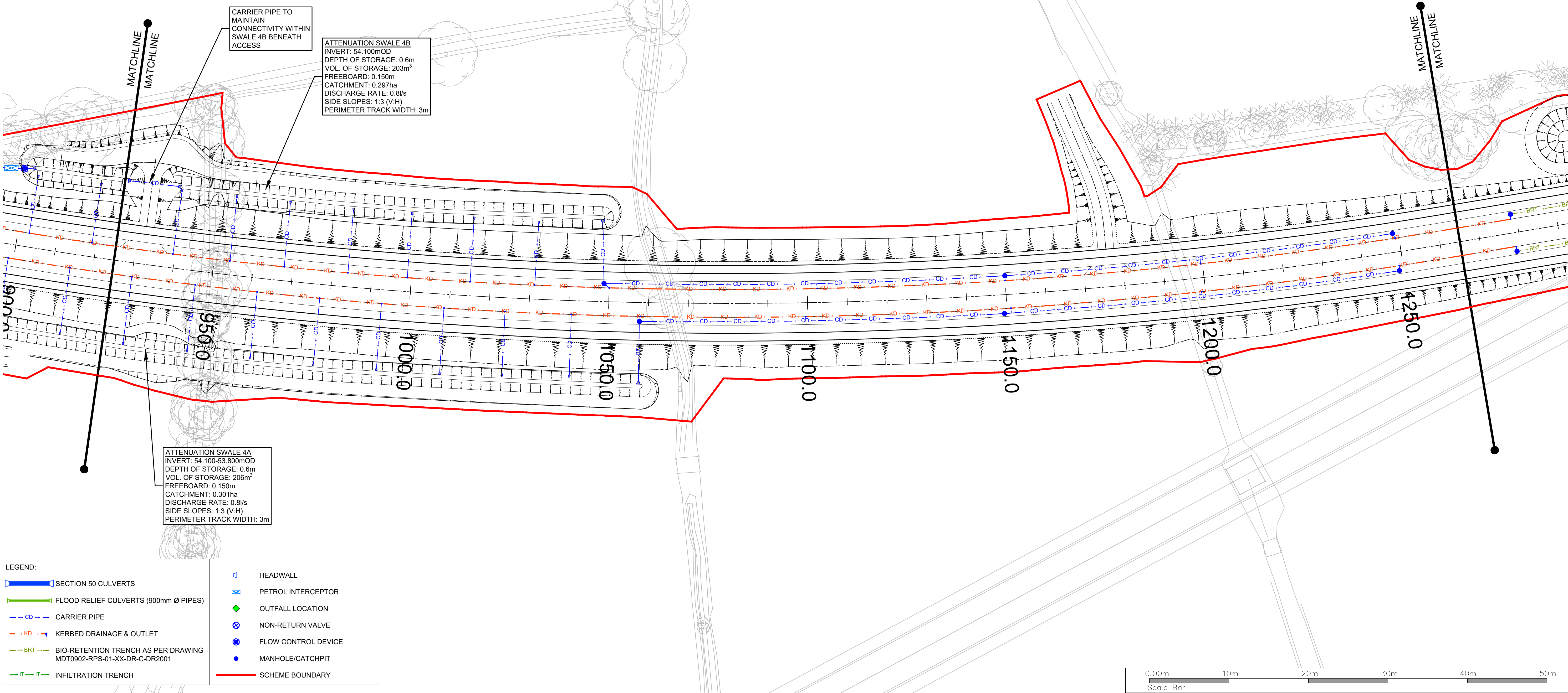
Status: A1

Rev: C01

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FOR NEXT SECTION REFER TO SHEET 03

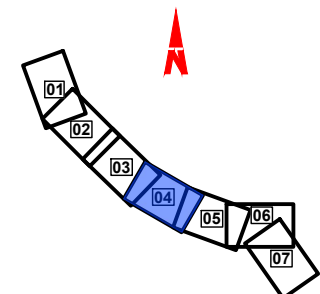
FOR NEXT SECTION REFER TO SHEET 05



Client



Key Plan



General Notes

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C01	28/10/25	PD	FOR PLANNING APPROVAL	5
Rev	Date	Dwn Cnk	Amendment / Issue	App

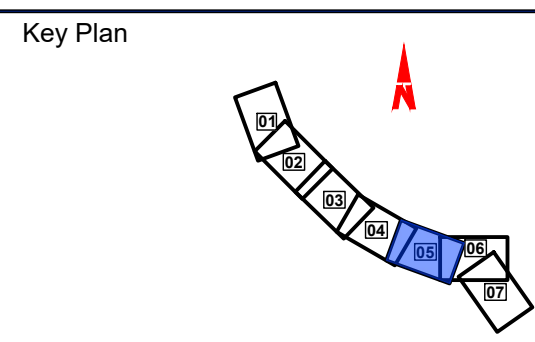
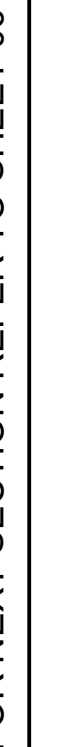
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File Identifier
MDT0902-RPS-01-XX-DR-C-DR0000-DR0007

Scale	1:500 @ A1 1:1000 @ A3
Created on	22/07/2024
Sheets	04 of 07

Project	CELBRIDGE HAZELHATCH MOBILITY CORRIDOR		
Title	DRAINAGE SURFACE WATER LAYOUT		
Drawing Number	MDT0902-RPS-01-XX-DR-C-DR0004	Status	A1
Rev	C01		



General Notes	
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(v)	All Levels refer to Ordnance Survey Datum, Main Head.

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Rev	Date	Dn Cik	Amendment / Issue	App

 West Pier Business Campus Dun Laoghaire Co Dublin	T	+353 1 4882900	File Identifier MDT0902-RPS-01-XX-DR-C-DR0000-DR0007
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Scale	1:500 @ A1 1:1000 @ A3
Created on	22/07/2024
Sheets	05 of 07

Project			
CELBRIDGE HAZELHATCH MOBILITY CORRIDOR			
Title			
DRAINAGE SURFACE WATER LAYOUT			
Drawing Number		Status	Rev
MDT0902-RPS-01-XX-DR-C-DR0005		A1	C01

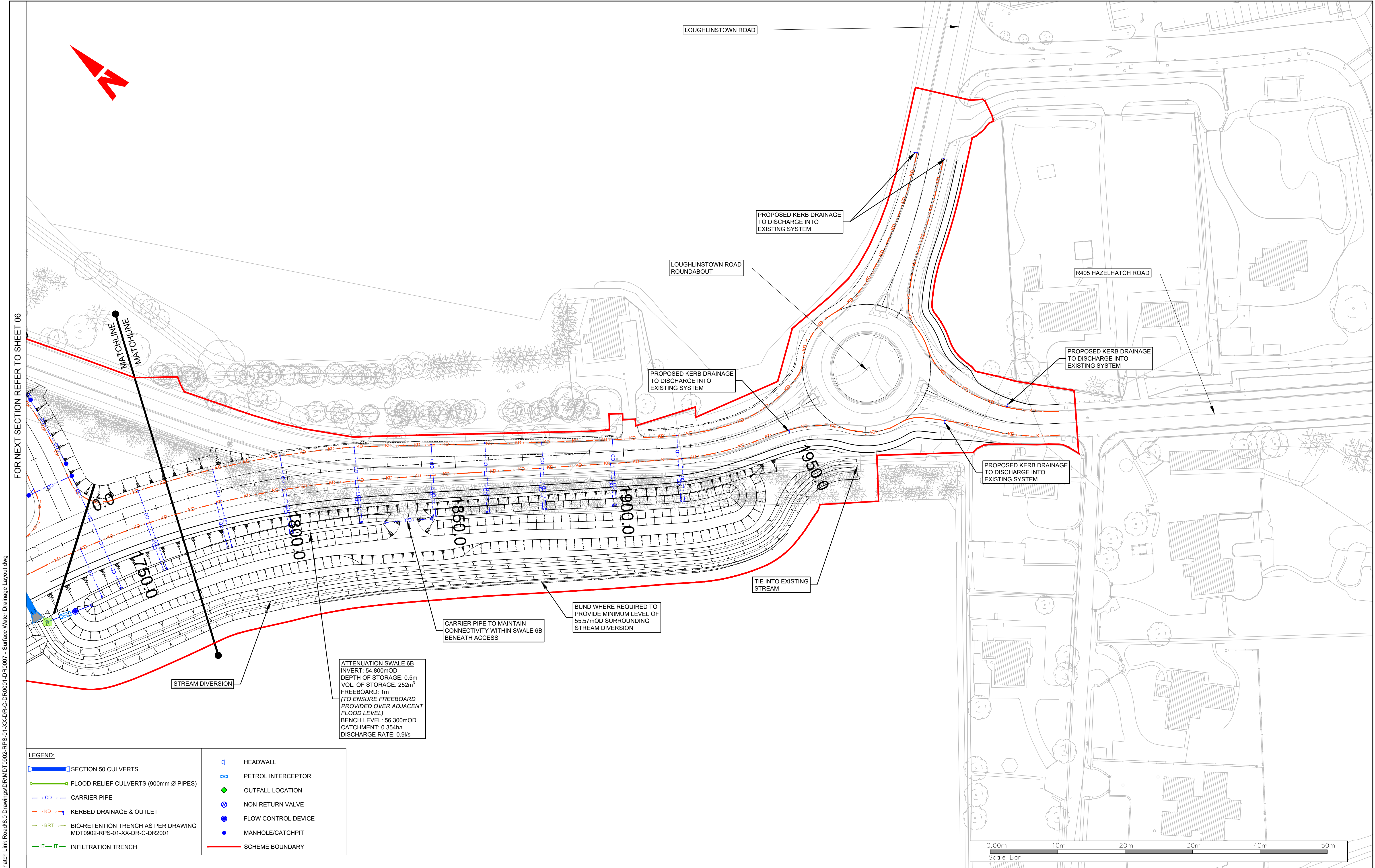
R:\MDT0902 - Celbridge to Hazelhatch Link Road\0 Drawings\DR\MDT0902-RPS-01-XX-DR-C-DR0001-DR0007 - Surface Water Drainage Layout.dwg

FOR NEXT SECTION REFER TO SHEET 05



FOR NEXT SECTION REFER TO SHEET 07

Client		Key Plan		General Notes		FOR PLANNING APPROVAL		RPS		Scale		Project	
				(i) Hard copies, dwf and pdf will form a controlled issue of the drawing. All other formats (dwg etc.) are deemed to be an uncontrolled issue and any work carried out based on these files is at the recipients own risk. RPS will not accept any responsibility for any errors from the use of these files, either by human error by the recipient, listing of the un-dimensioned measurements, compatibility with the recipients software, and any errors arising when these files are used to aid the recipients drawing production, or setting out on site.		C01 28/10/25		West Pier Business Campus Dun Laoghaire Co Dublin		1:500 @ A1 1:1000 @ A3		CELBRIDGE HAZELHATCH MOBILITY CORRIDOR	
				(ii) DO NOT SCALE, use figured dimensions only.		Rev		T +353 1 4882900 F +353 1 2835676 W www.rpsgroup.com/ireland E ireland@rpsgroup.com		Created on 22/07/2024		Title DRAINAGE SURFACE WATER LAYOUT	
				(iii) This drawing is the property of RPS, it is a project confidential classified document. It must not be copied used or its contents divulged without prior written consent. The needs and expectations of client and RPS must be considered when working with this drawing.		Date		Sheets 06 of 07				Drawing Number MDT0902-RPS-01-XX-DR-C-DR0006	
				(iv) Information including topographical survey, geotechnical investigation and utility detail used in the design have been provided by others.		Dn Cnk		File Identifier MDT0902-RPS-01-XX-DR-C-DR0000-DR0007				Status A1	
				(v) All Levels refer to Ordnance Survey Datum, Malin Head.		App						Rev C01	



FOR NEXT SECTION REFER TO SHEET 06

LEGEND:

SECTION 50 CULVERTS

FLOOD RELIEF CULVERTS (900mm Ø PIPES)

CARRIER PIPE

KERBED DRAINAGE & OUTLET

BIO-RETENTION TRENCH AS PER DRAWING MDT0902-RPS-01-XX-DR-C-DR2001

INFILTRATION TRENCH

HEADWALL

PETROL INTERCEPTOR

OUTFALL LOCATION

NON-RETURN VALVE

FLOW CONTROL DEVICE

MANHOLE/CATCHPIT

SCHEME BOUNDARY

ATTENUATION SWALE 6B
INVERT: 54.800mOD
DEPTH OF STORAGE: 0.5m
VOL. OF STORAGE: 252m³
FREEBOARD: 1m
(TO ENSURE FREEBOARD PROVIDED OVER ADJACENT FLOOD LEVEL)
BENCH LEVEL: 56.300mOD
CATCHMENT: 0.354ha
DISCHARGE RATE: 0.9l/s

CARRIER PIPE TO MAINTAIN CONNECTIVITY WITHIN SWALE 6B BENEATH ACCESS

BUND WHERE REQUIRED TO PROVIDE MINIMUM LEVEL OF 55.57mOD SURROUNDING STREAM DIVERSION

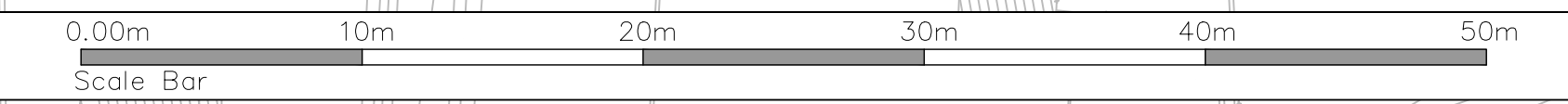
TIE INTO EXISTING STREAM

PROPOSED KERB DRAINAGE TO DISCHARGE INTO EXISTING SYSTEM

PROPOSED KERB DRAINAGE TO DISCHARGE INTO EXISTING SYSTEM

PROPOSED KERB DRAINAGE TO DISCHARGE INTO EXISTING SYSTEM

PROPOSED KERB DRAINAGE TO DISCHARGE INTO EXISTING SYSTEM



Client

Key Plan

General Notes

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Rev	Date	Dwn Cnk	Amendment / Issue	App
C01	28/10/25	PD TD	FOR PLANNING APPROVAL	✍

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Scale
1:500 @ A1
1:1000 @ A3
Created on
22/07/2024
Sheets
07 of 07

Project
CELBRIDGE HAZELHATCH MOBILITY CORRIDOR
Title
DRAINAGE
SURFACE WATER LAYOUT

Drawing Number
MDT0902-RPS-01-XX-DR-C-DR0007

Status
A1

Rev
C01

R:\MDT0902 - Celbridge to Hazelhatch Link Road\8.0 Drawings\DR\MDT0902-RPS-01-XX-DR-C-DR0001-DR0007 - Surface Water Drainage Layout.dwg