



The Office of Public Works
ARTERIAL DRAINAGE ACTS, 1945 & 1995

CLARE RIVER (CLAREGALWAY) DRAINAGE SCHEME

FLOOD BENEFIT MAPS, LONGITUDINAL SECTIONS, CROSS SECTIONS AND
STRUCTURES DRAWINGS

Confirmation

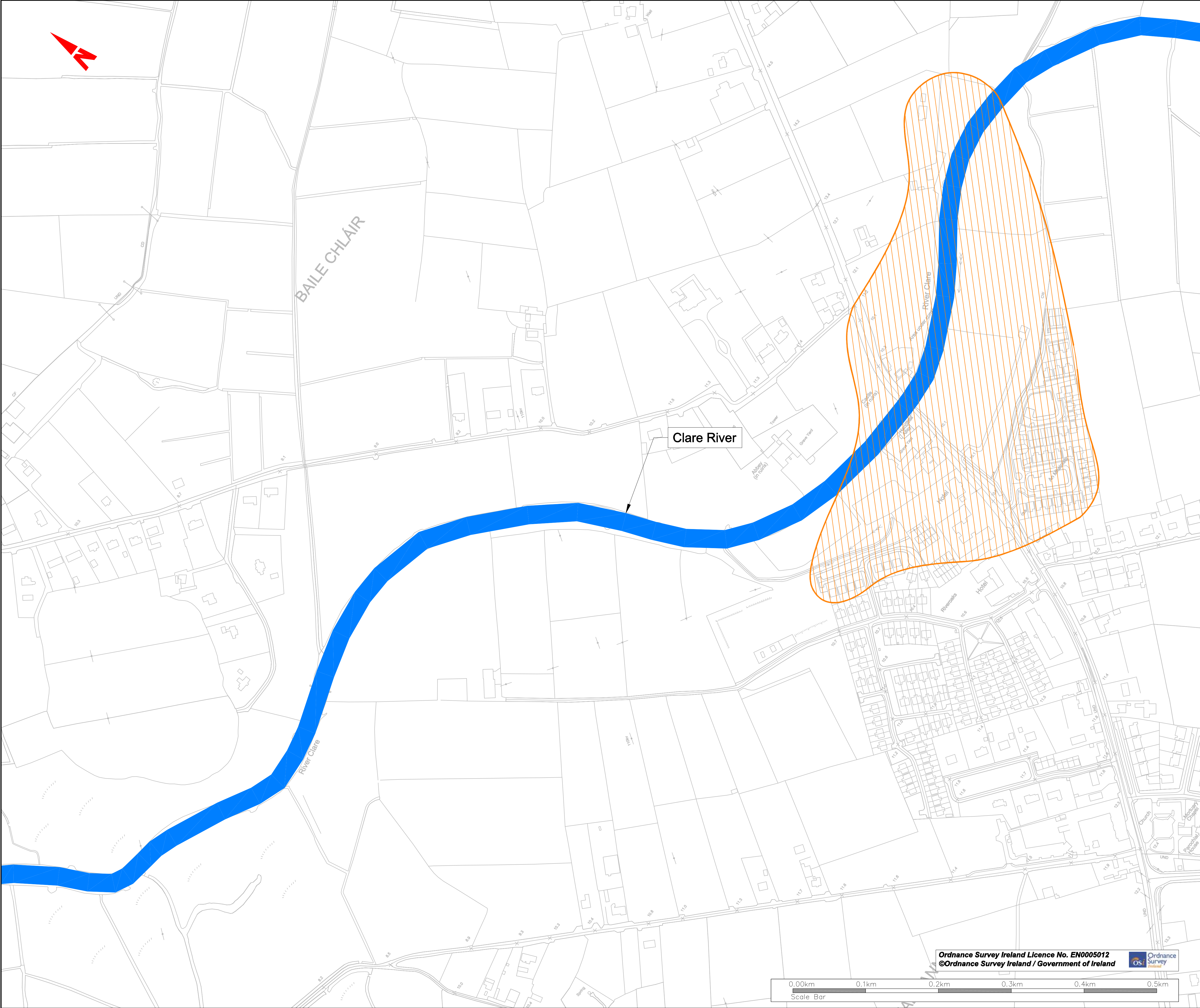
May 2013



CLARE RIVER (CLAREGALWAY) DRAINAGE SCHEME

SCHEDULE OF DRAWINGS

DRAWING NAME	Sheet No.	Drawing No.	DRAWING NAME	Sheet No.	Drawing No.
FLOOD BENEFIT MAP	Sheet 1 of 5	DG0024-01	CARNMORE CASHLA FLOOD ALLEVIATION DRAIN	Sheet 1 of 2	DG0021-01
FLOOD BENEFIT MAP	Sheet 2 of 5	DG0024-02	CARNMORE CASHLA FLOOD ALLEVIATION DRAIN	Sheet 2 of 2	DG0021-02
FLOOD BENEFIT MAP	Sheet 3 of 5	DG0024-03	ISLANDMORE DRAIN/KENNY'S DRAIN	Sheet 1 of 1	DG0022-01
FLOOD BENEFIT MAP	Sheet 4 of 5	DG0024-04	MEASURE 5A & 5B KINISKA DRAIN	Sheet 1 of 1	DG0023-01
FLOOD BENEFIT MAP	Sheet 5 of 5	DG0024-05			
			FLOOD EYE AT CLAREGALWAY ELEVATIONS & LONGITUDINAL SECTION	Sheet 1 of 1	2159/BDD/02
			CRUSHEENY BRIDGE PLAN, ELEVATION & SECTION	Sheet 1 of 1	BR0001-01
MEASURES 8A & 8B, TWO STAGE CHANNEL	Sheet 1 of 4	CS0001-01	ROAD A, B & C, PLAN	Sheet 1 of 6	DG0020-01
MEASURES 8A & 8B, TWO STAGE CHANNEL	Sheet 2 of 4	CS0001-02	ROAD A -MIONTACH SOUTH, PLAN & PROFILE	Sheet 2 of 6	DG0020-02
MEASURES 8A & 8B, TWO STAGE CHANNEL	Sheet 3 of 4	CS0001-03	ch.000.0m to 600.0m		
MEASURES 8A & 8B, TWO STAGE CHANNEL	Sheet 4 of 4	CS0001-04	ROAD A -MIONTACH SOUTH, PLAN & PROFILE	Sheet 3 of 6	DG0020-03
CROSS-SECTIONS TYPICAL DETAILS	Sheet 1 of 1	CS0001-05	ch.600.0m to 1075.m		
ISLANDMORE DRAIN OUTFALL PLAN & SECTIONS	Sheet 1 of 1	CS0001-06	ROAD B - MIONTACH NORTH, PLAN & PROFILE	Sheet 4 of 6	DG0020-04
			ch.000.0m to 700.0m		
			ROAD B - MIONTACH NORTH, PLAN & PROFILE	Sheet 5 of 6	DG0020-05
			ch.700.0m to 828.6m		
			ROAD C - MIONTACH NORTH, PLAN & PROFILE	Sheet 6 of 6	DG0020-06
			ch.000.0m to 431.2m		
			MEASURES 4C, 4D & 6A	Sheet 1 of 1	DG0019-01



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LEGEND

Benefit Area - Area where flood protection is being provided for property for 100 year flood event.

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CLARE RIVER (CLAREGALWAY)
DRAINAGE SCHEME

Title

BENEFIT DRAWING

(Sheet 1 of 5)

Scale
1: 5000 @ A3

Date
Nov 2012

Drawing Number
MGW0161/DG0024-01

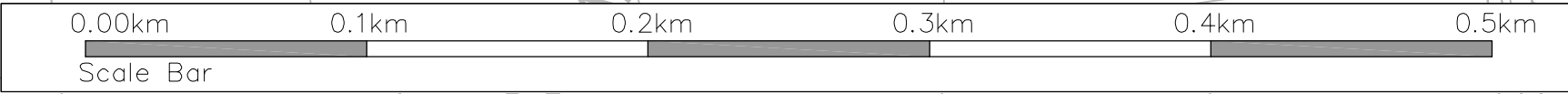
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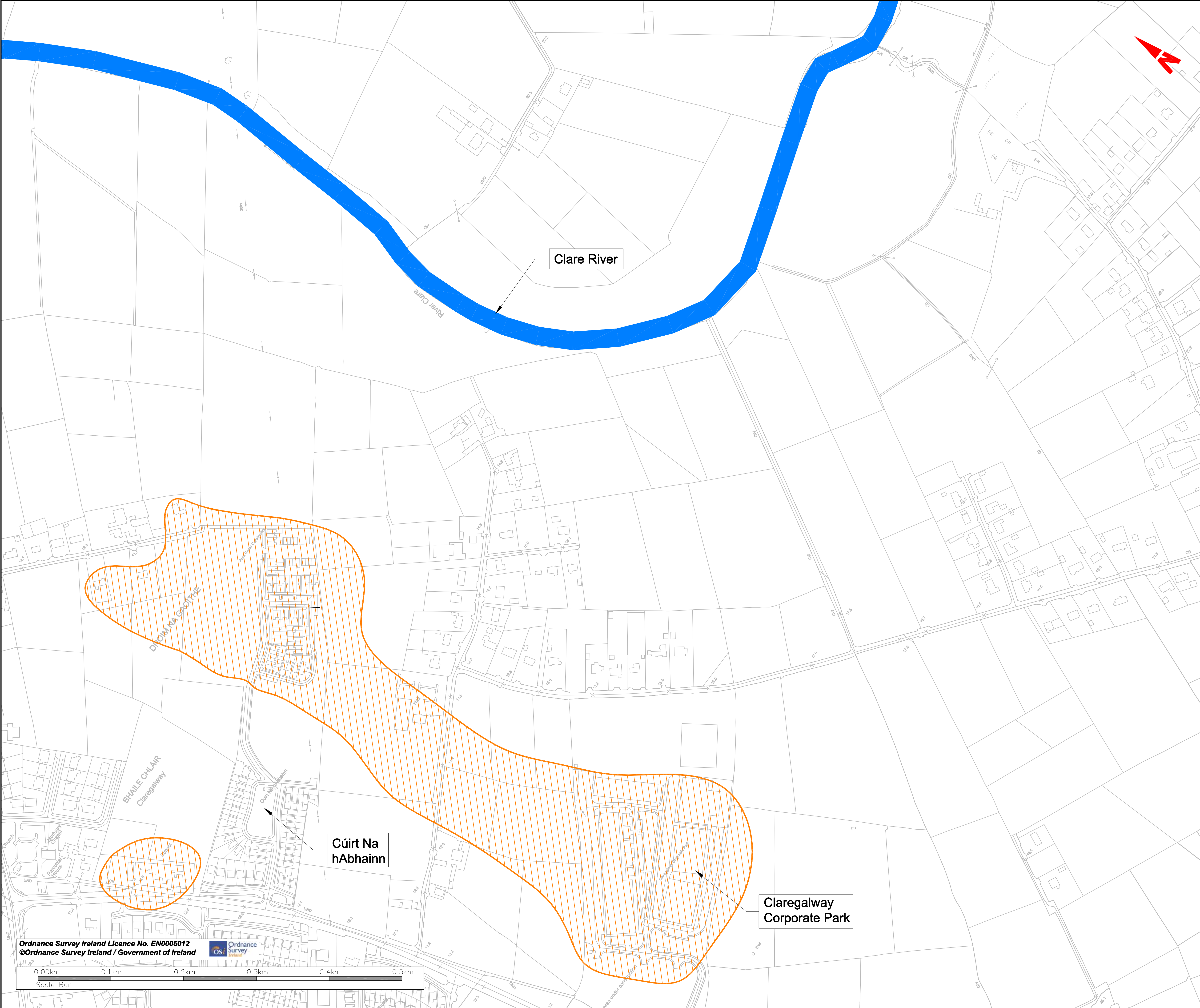
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MM

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P.J.G

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LEGEND

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**CLARE RIVER (CLAREGALWAY)
DRAINAGE SCHEME**

Title

BENEFIT DRAWING

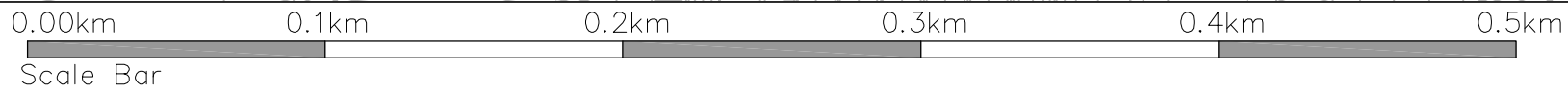
(Sheet 2 of 5)

Scale	Date
1: 5000 @ A3	Nov 2012

Drawing Number	Rev
MGW0161/DG0024-02	F02

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**CLARE RIVER (CLAREGALWAY)
DRAINAGE SCHEME**

Title

BENEFIT DRAWING

(Sheet 3 of 5)

Scale
1: 5000 @ A3

Date
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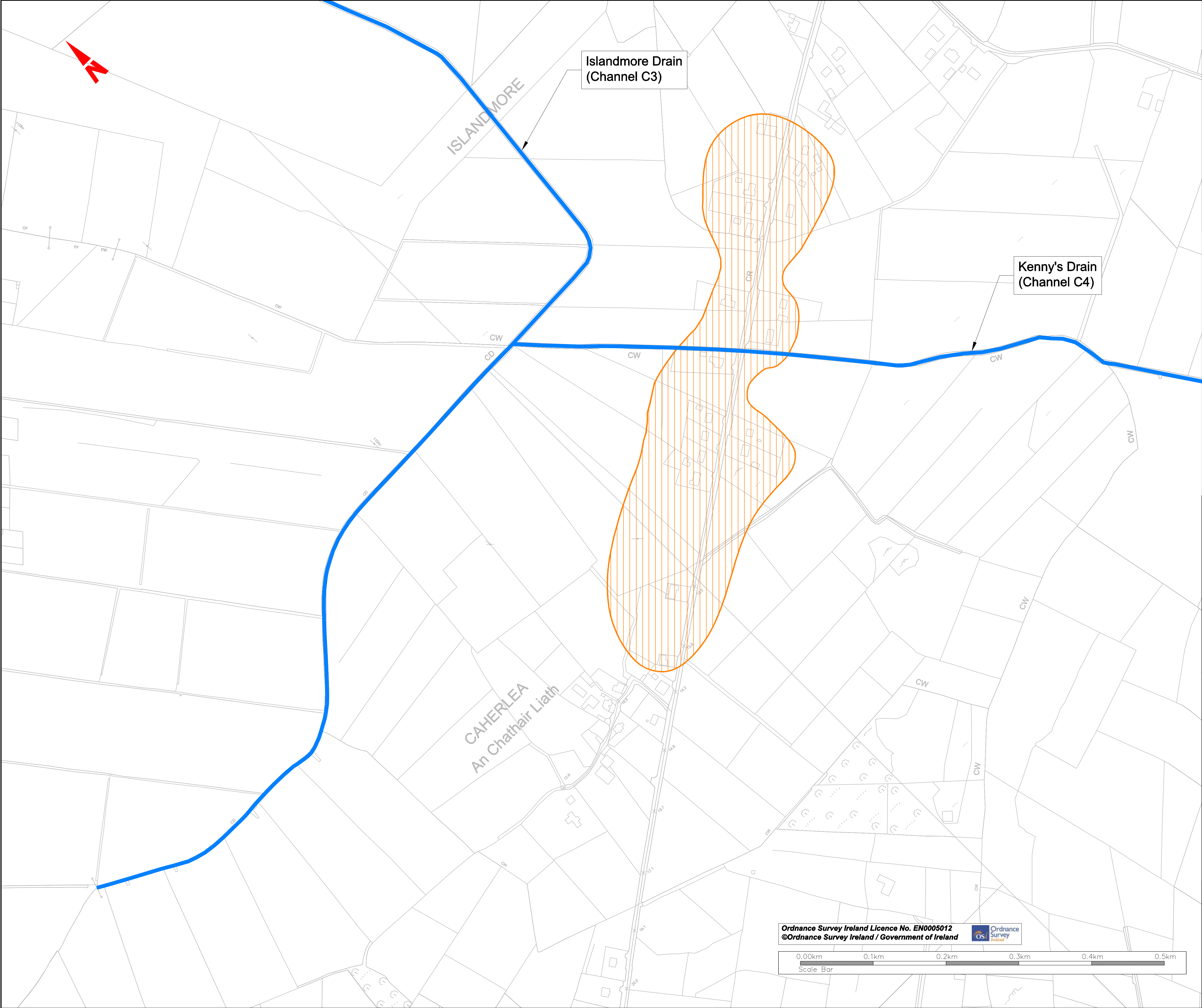
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5. Datum: Ordnance Survey Datum, Malin Head

LEGEND

Benefit Area - Area where flood protection is being provided for property for 100 year flood event.

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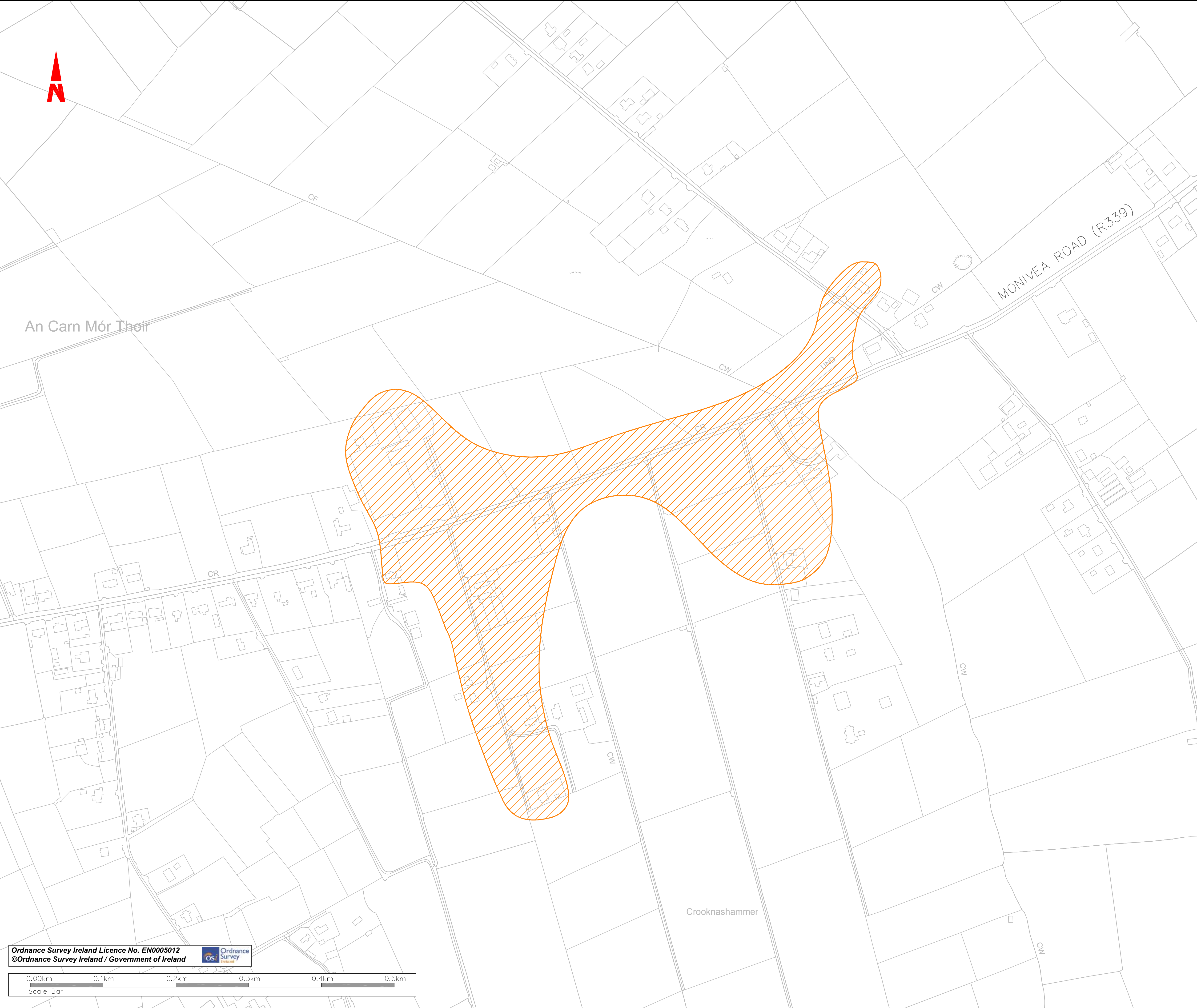
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**CLARE RIVER (CLAREGALWAY)
DRAINAGE SCHEME**

Title
BENEFIT DRAWING

(Sheet 4 of 5)

Scale 1: 5000 @ A3	Date Nov 2012	
Drawing Number MGW0161/DG0024-04	Rev F02	
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 5. Datum: Ordnance Survey Datum, Malin Head

LEGEND

Benefit Area - Area where flood protection is being provided for property for 100 year flood event.

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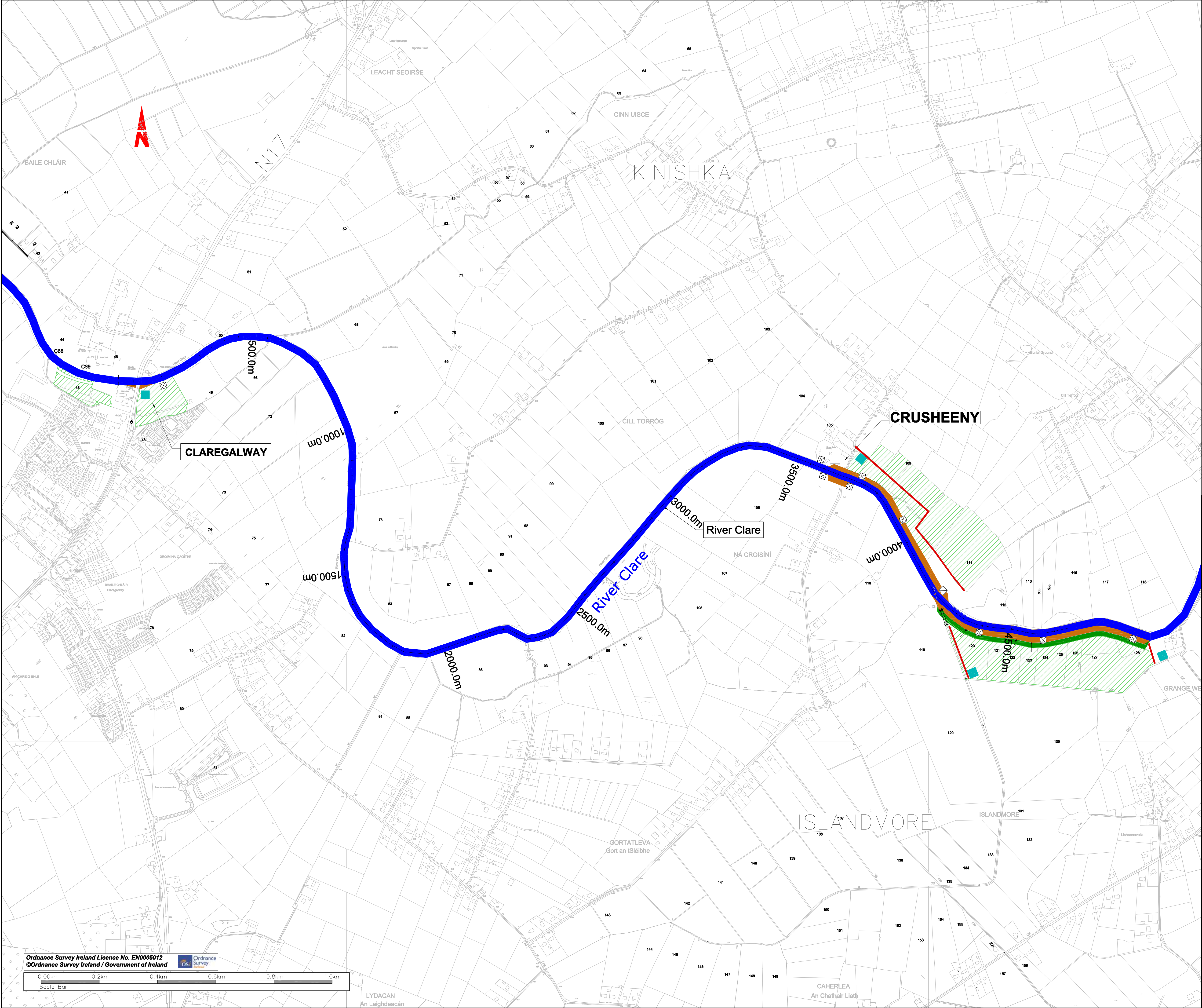
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CLARE RIVER (CLAREGALWAY)
DRAINAGE SCHEMETitle
BENEFIT DRAWING

(Sheet 5 of 5)

Scale
1: 5000 @ A3Date
Nov 2012Drawing Number
MGW0161/DG0024-05Rev
F02Drawn By
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LEGEND	
Area to be excavated	
Embankment	
Land identified as being potentially required for excavated spoil	
Access Road	
Trial Pits	
Proposed Compounds	

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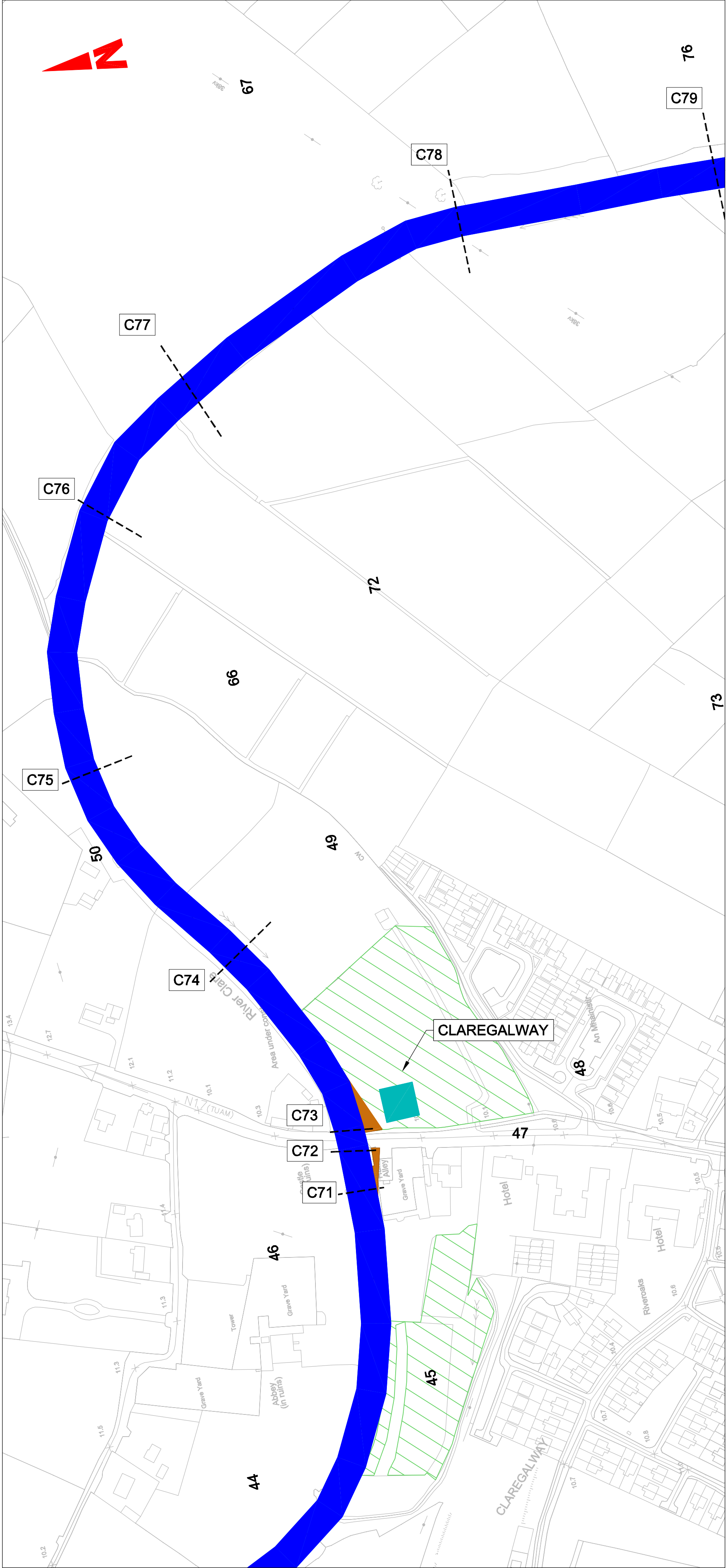
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Project
**CLARE RIVER (CLAREGALWAY)
DRAINAGE SCHEME**

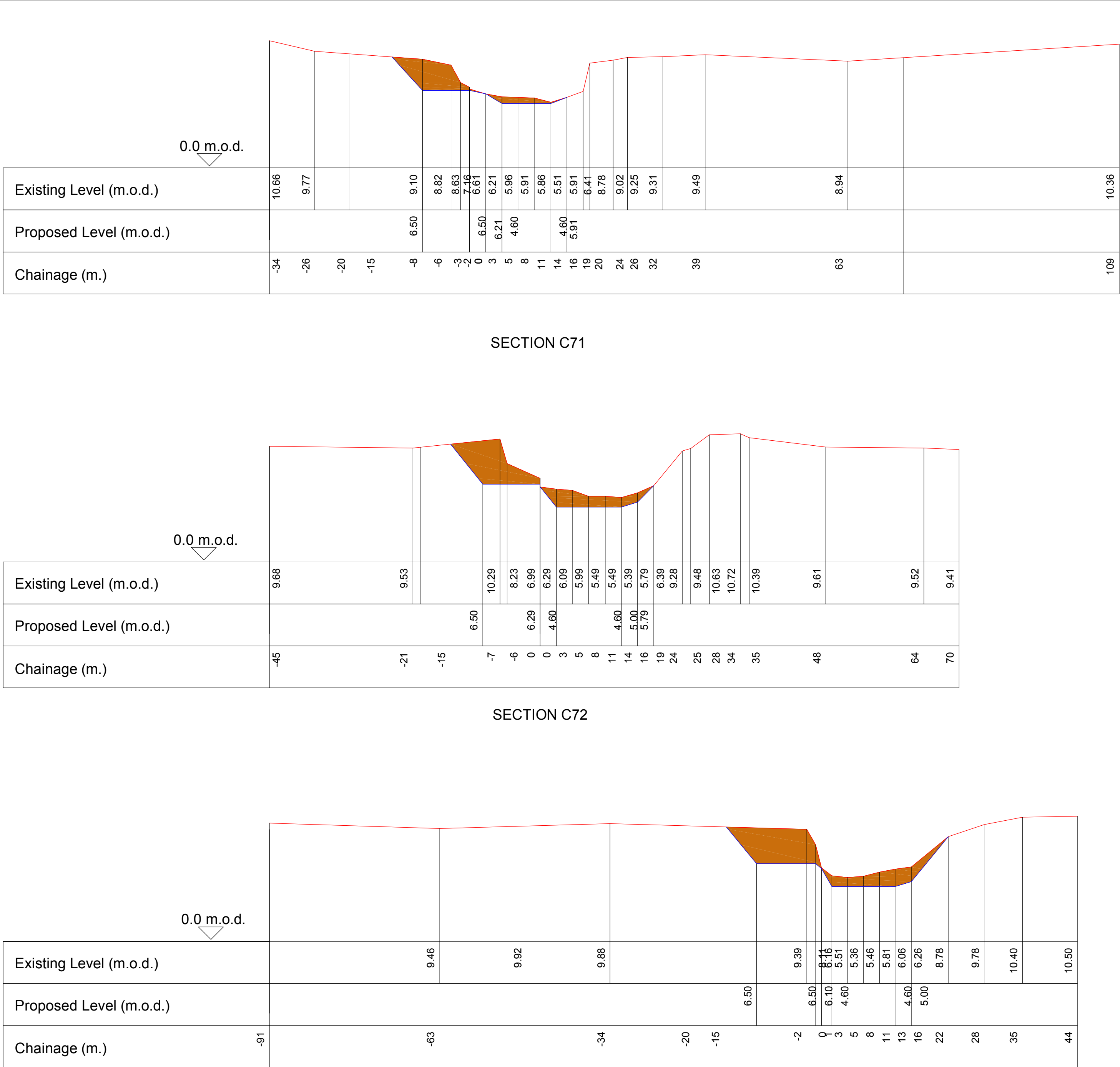
Title
**MEASURES 8A & 8B
TWO STAGE CHANNEL**

(Sheet 1 of 4)

Scale 1: 12500 @ A3	Date Nov 2012
Drawing Number MGW0161/CS0001-01	Rev F02
Drawn By MC	Checked By PJG
Approved By COS	



PLAN VIEW OF RIVER SECTIONS SCALE 1:5000



SECTION C71

SECTION C72

SECTION C73

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5. Datum: Ordnance Survey Datum, Malin Head

LEGEND

Area to be excavated	
Embankment	
Land identified as being potentially required for excavated spoil	
Access Road	
Trial Pits	
Proposed Compounds	

F02	24.05.13	MM P/G	CONFIRMATION	COS
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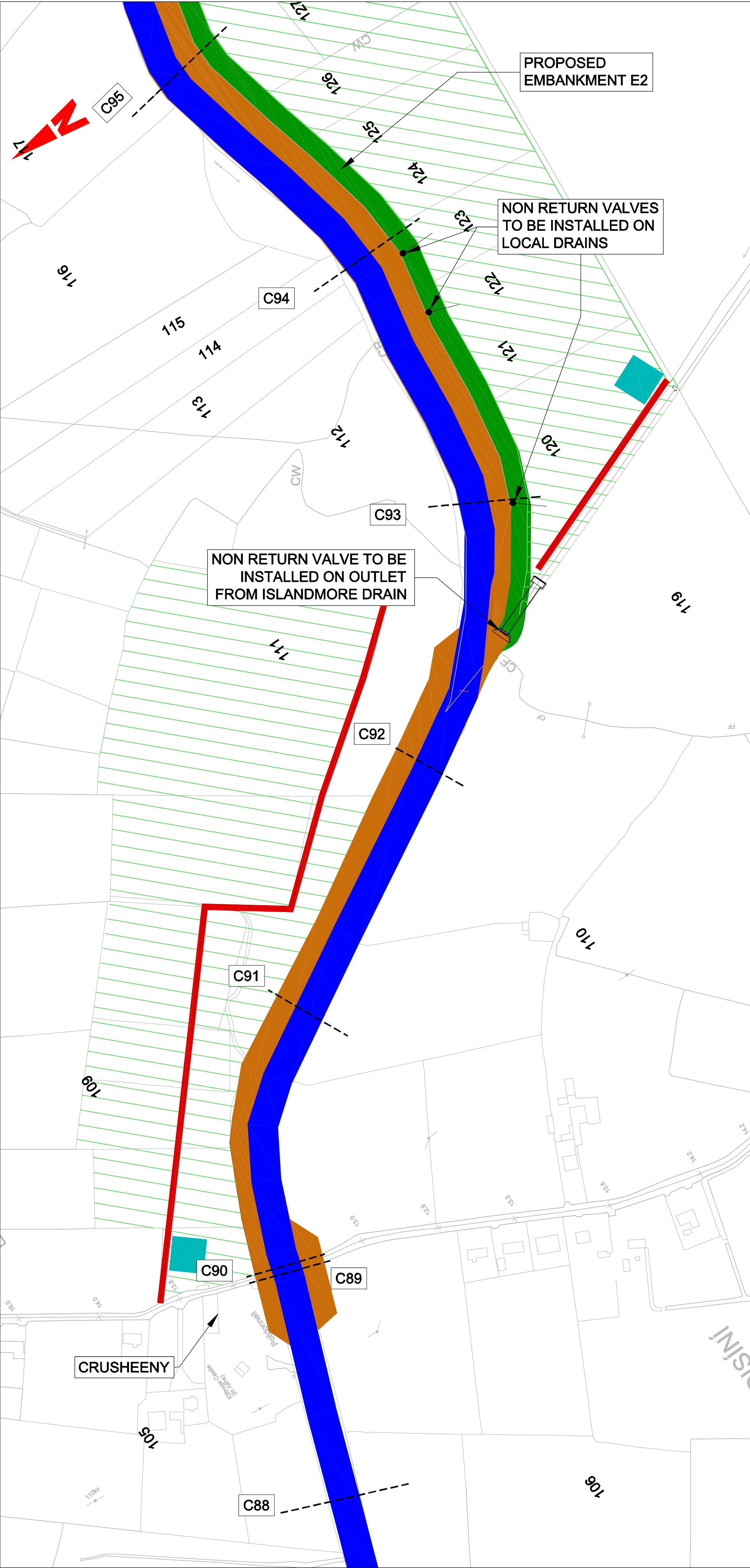


Project
**CLARE RIVER (CLAREGALWAY)
DRAINAGE SCHEME**

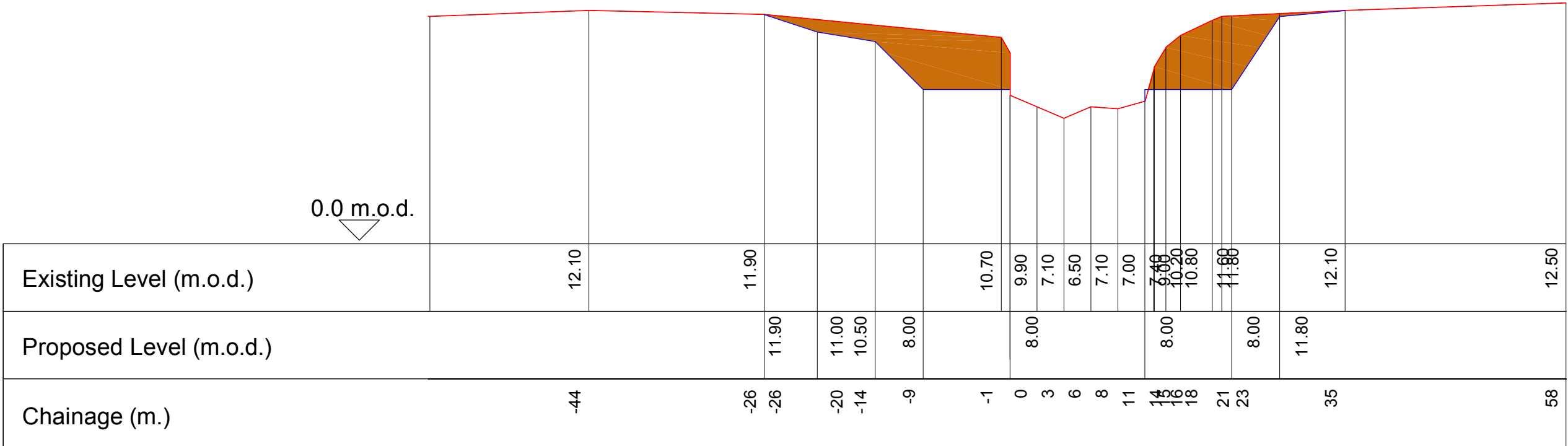
Title
**MEASURES 8A & 8B
TWO STAGE CHANNEL**

(Sheet 2 of 4)

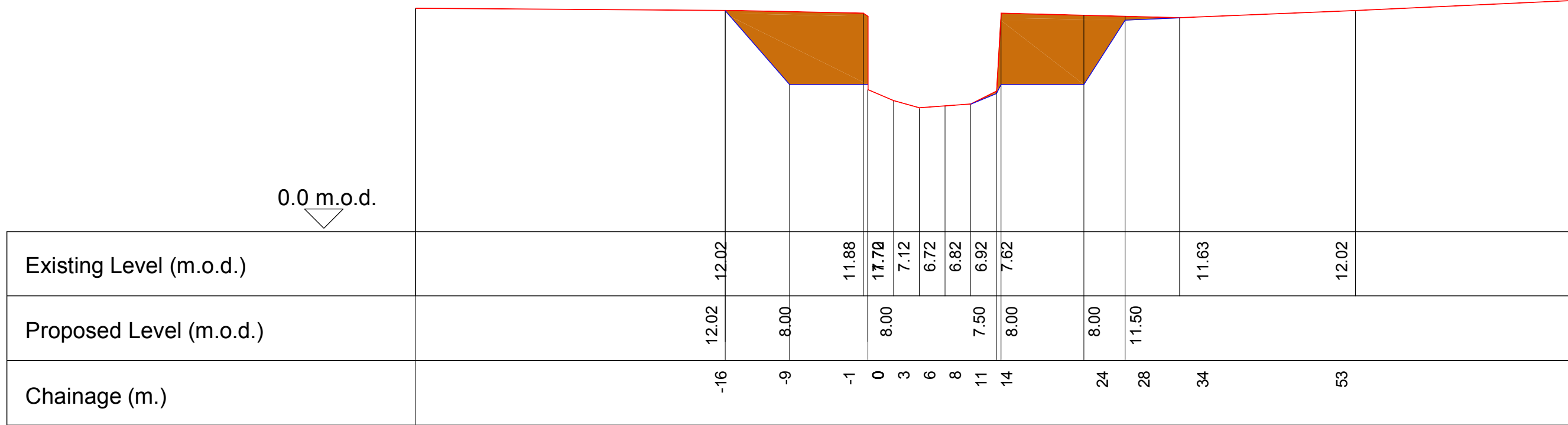
Scale As Shown		Date Nov 2012
Drawing Number MGW0161/CS0001-02		Rev F02
Drawn By MC	Checked By PJG	Approved By COS



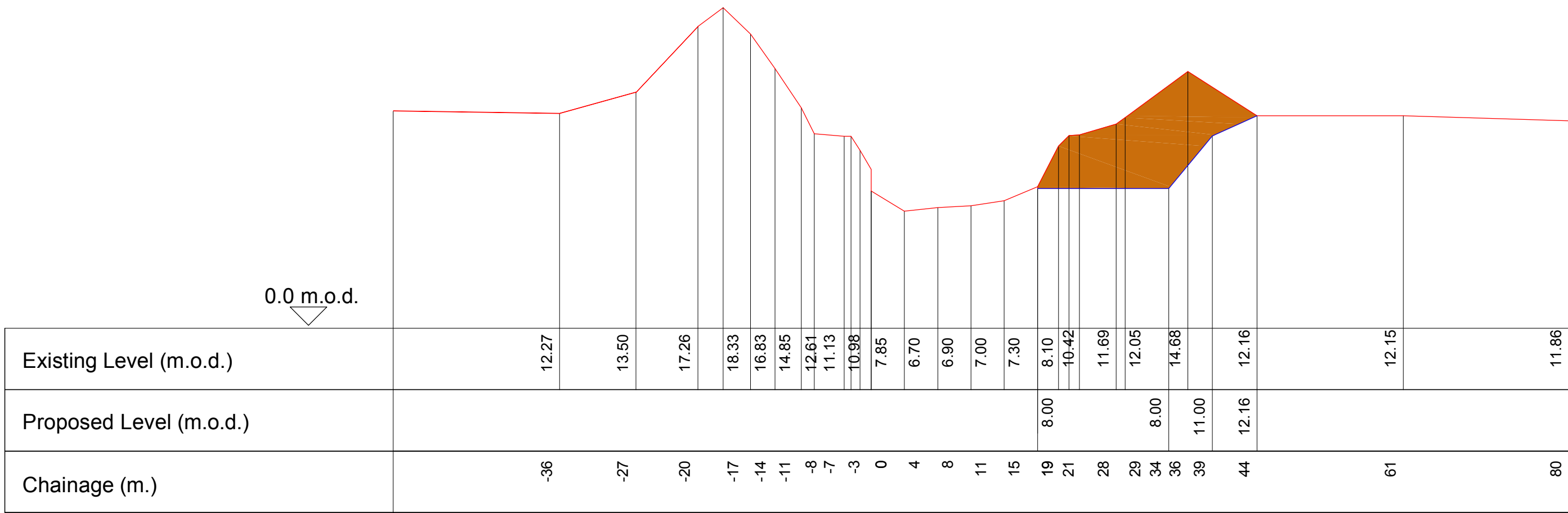
PLAN VIEW OF RIVER SECTIONS SCALE 1:5000



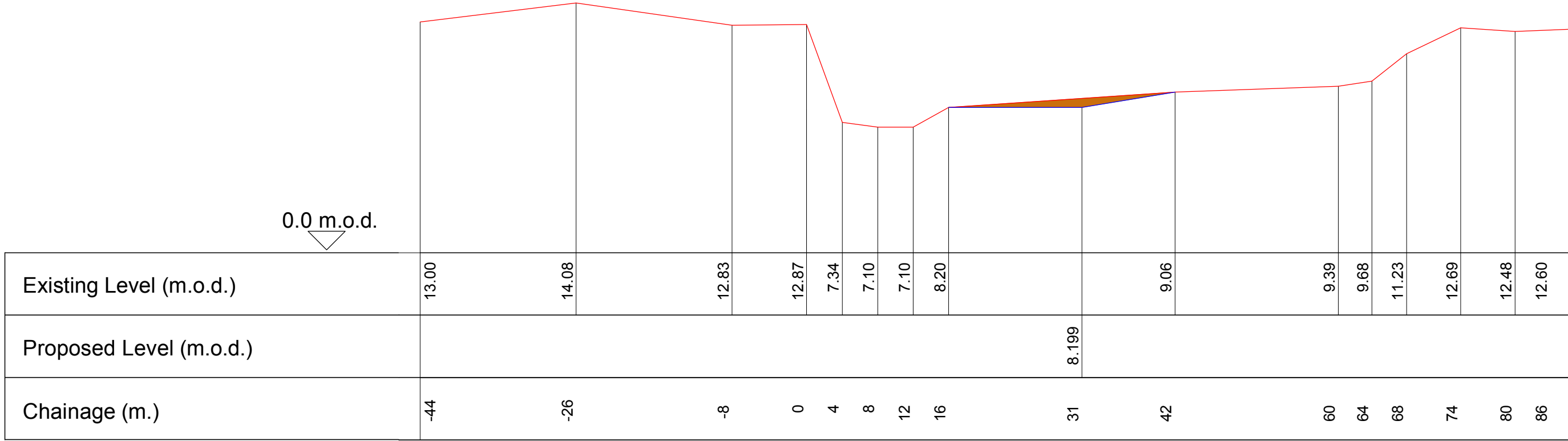
SECTION C89



SECTION C90



SECTION C91



SECTION C92 (BREAK IN SPOIL HEAP)

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5. Datum: Ordnance Survey Datum, Malin Head

LEGEND

Area to be excavated

Embankment

Land identified as being potentially required for excavated spoil

Access Road

Trial Pits

Proposed Compounds

F02	24.05.13	MM PJG	CONFIRMATION	COS
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CLARE RIVER (CLAREGALWAY)
DRAINAGE SCHEME

Title
**MEASURES 8A & 8B
TWO STAGE CHANNEL**

(Sheet 3 of 4)

Scale
As Shown

Date
Nov 2012

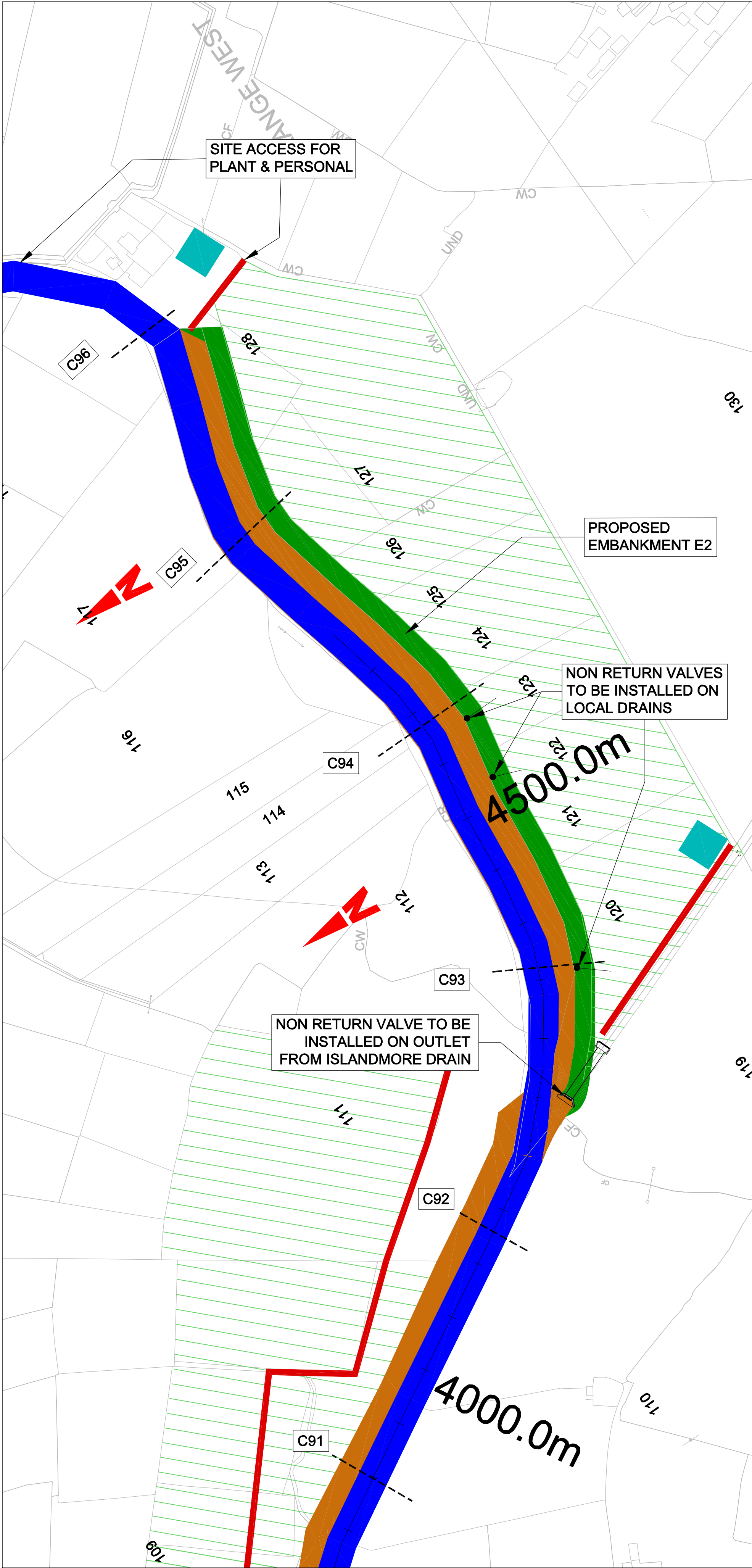
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Rev
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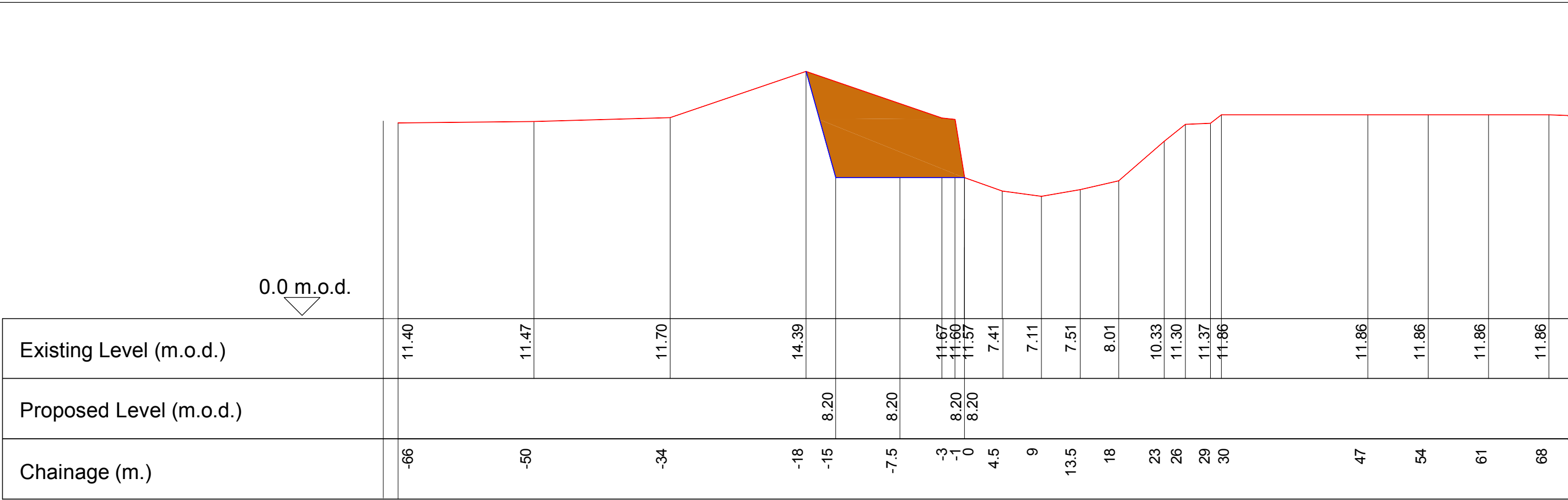
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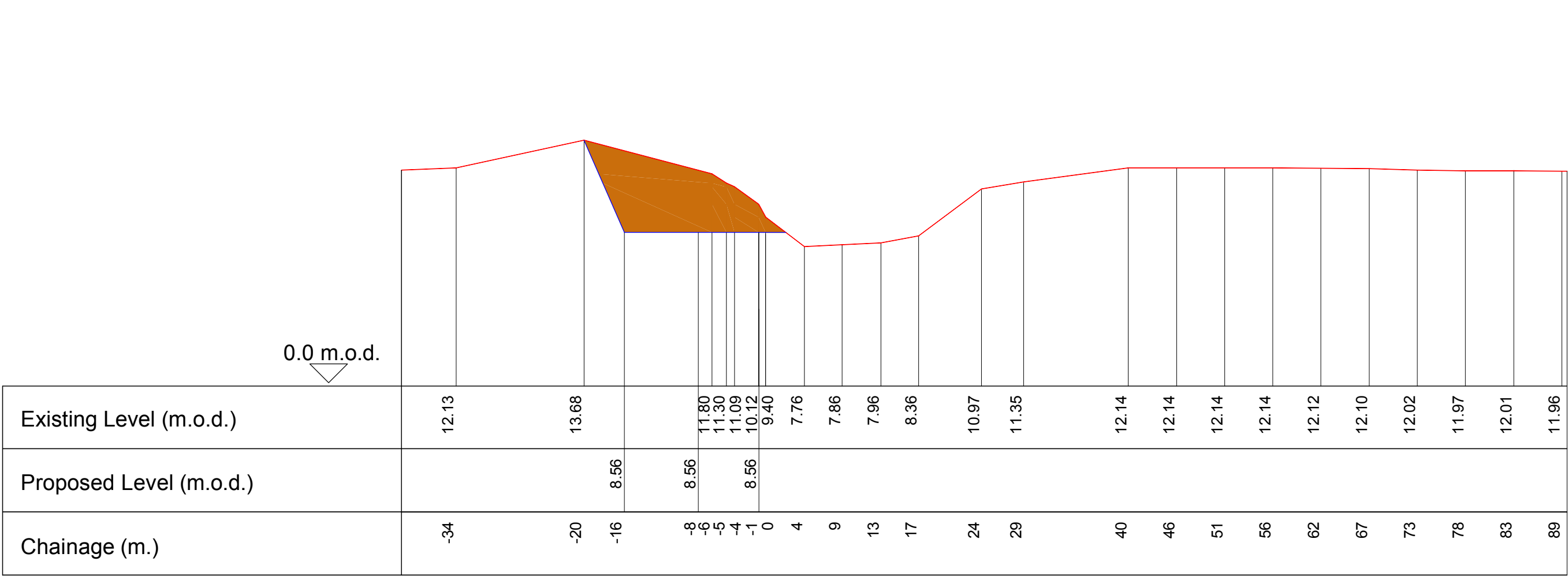
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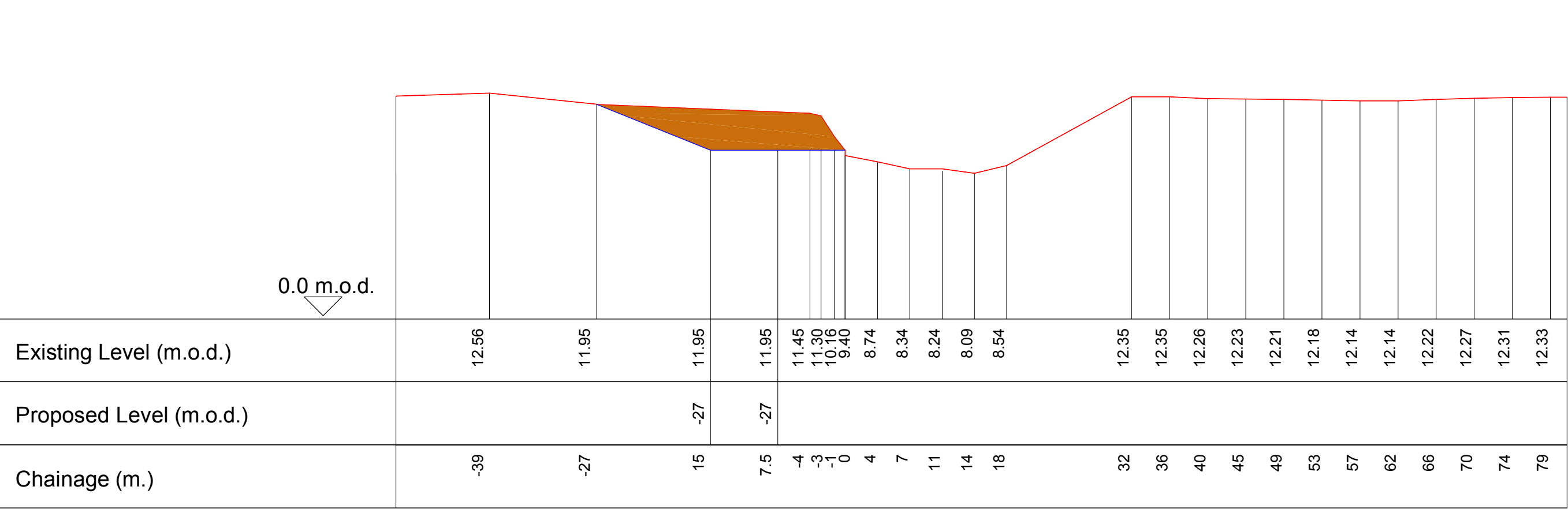
PLAN VIEW OF RIVER SECTIONS SCALE 1:5000



SECTION C93



SECTION C94



SECTION C95

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5. Datum: Ordnance Survey Datum, Malin Head

LEGEND

Area to be excavated	
Embankment	
Land identified as being potentially required for excavated spoil	
Access Road	
Trial Pits	
Proposed Compounds	

F02	24.05.13	MM PJG	CONFIRMATION	COS
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Client

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**CLARE RIVER (CLAREGALWAY)
DRAINAGE SCHEME**

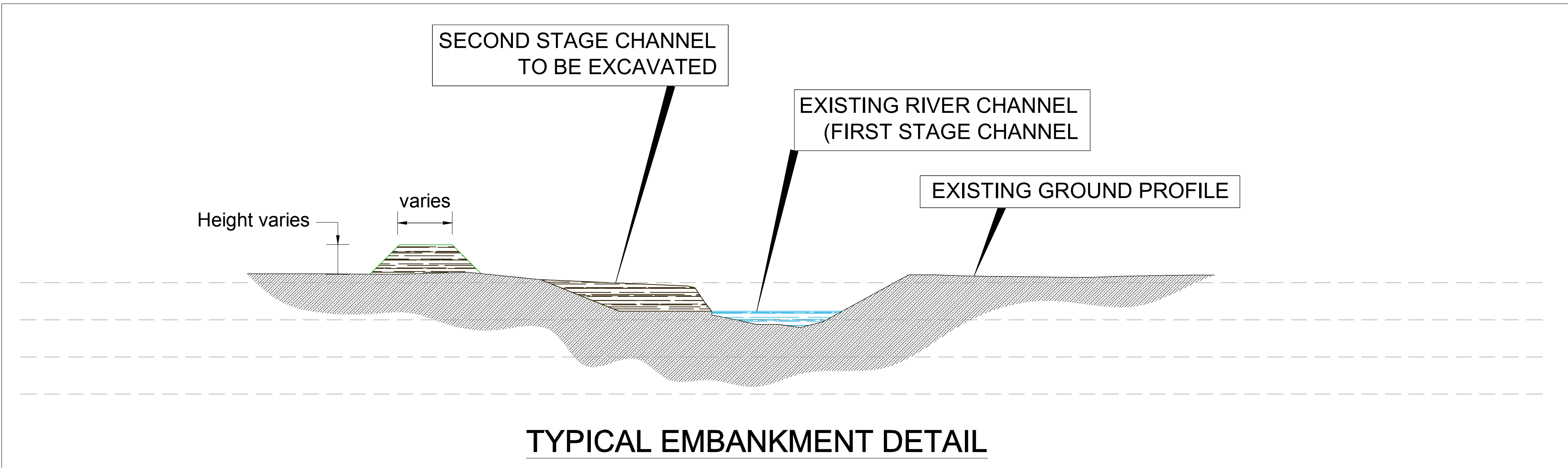
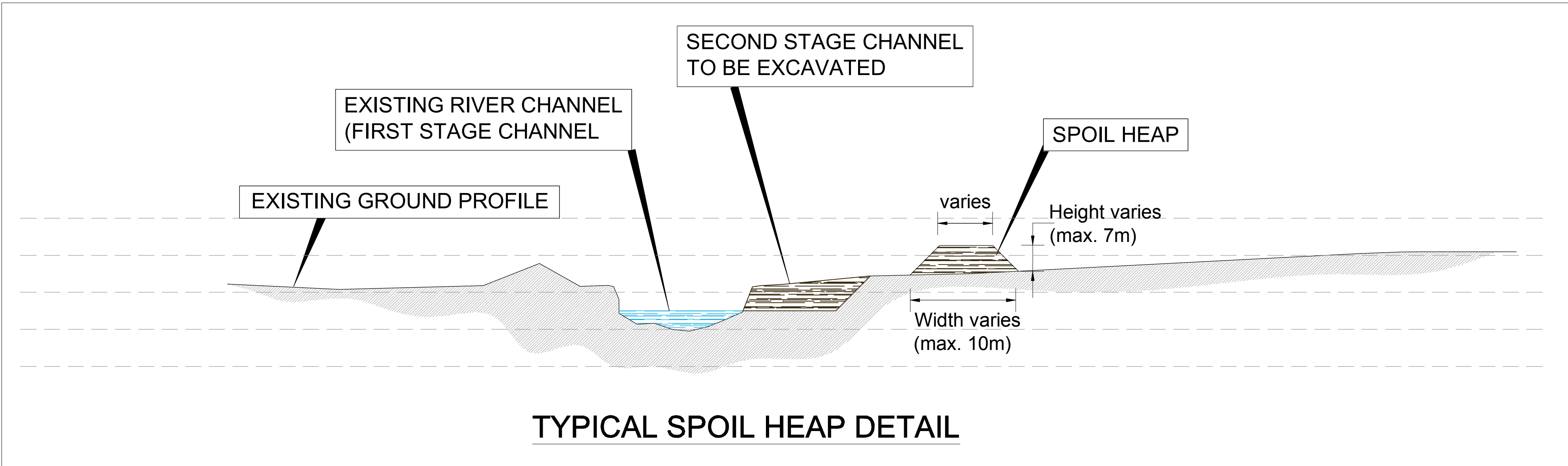
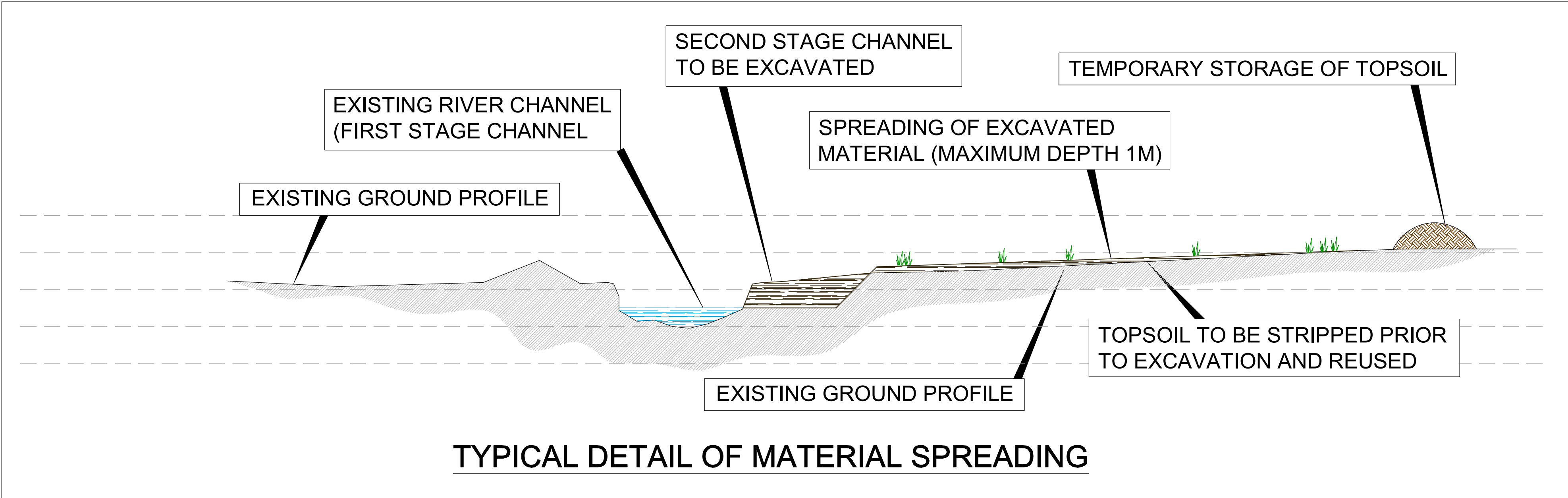
Title
**MEASURES 8A & 8B
TWO STAGE CHANNEL**

(Sheet 4 of 4)

Scale As Shown	Date Nov 2012
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Drawing Number MGW0161/CS0001-04	Rev F02
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Drawn By MM	Checked By PJG	Approved By COS
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F02	24.05.13	MM PJG	CONFIRMATION	COS
F01	07.11.12	MM PJG	PUBLIC EXHIBITION	COS
No.	Date	Dim. Ck.	Amendment / Issue	App

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Client



OPW
The Office of Public Works
Oifig na nOibreacha Poblai

Project
**CLARE RIVER (CLAREGALWAY)
DRAINAGE SCHEME**

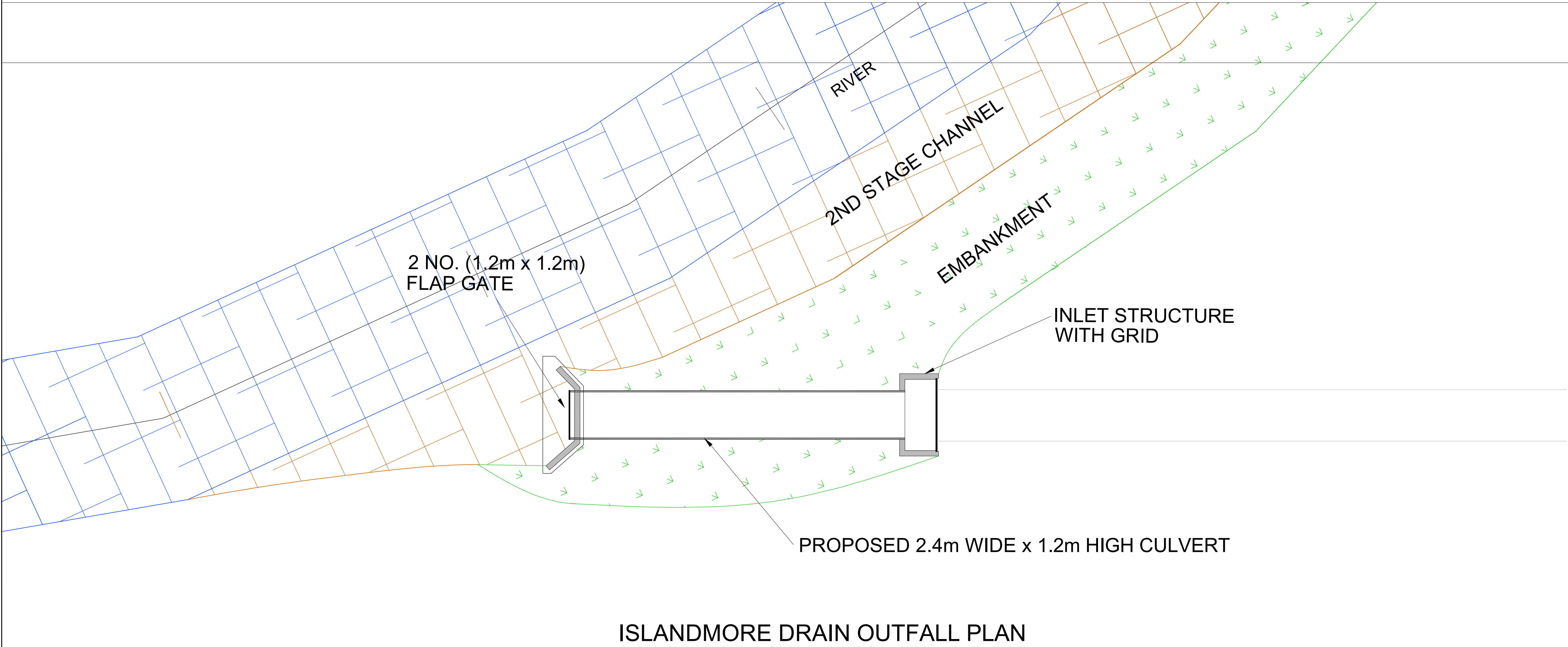
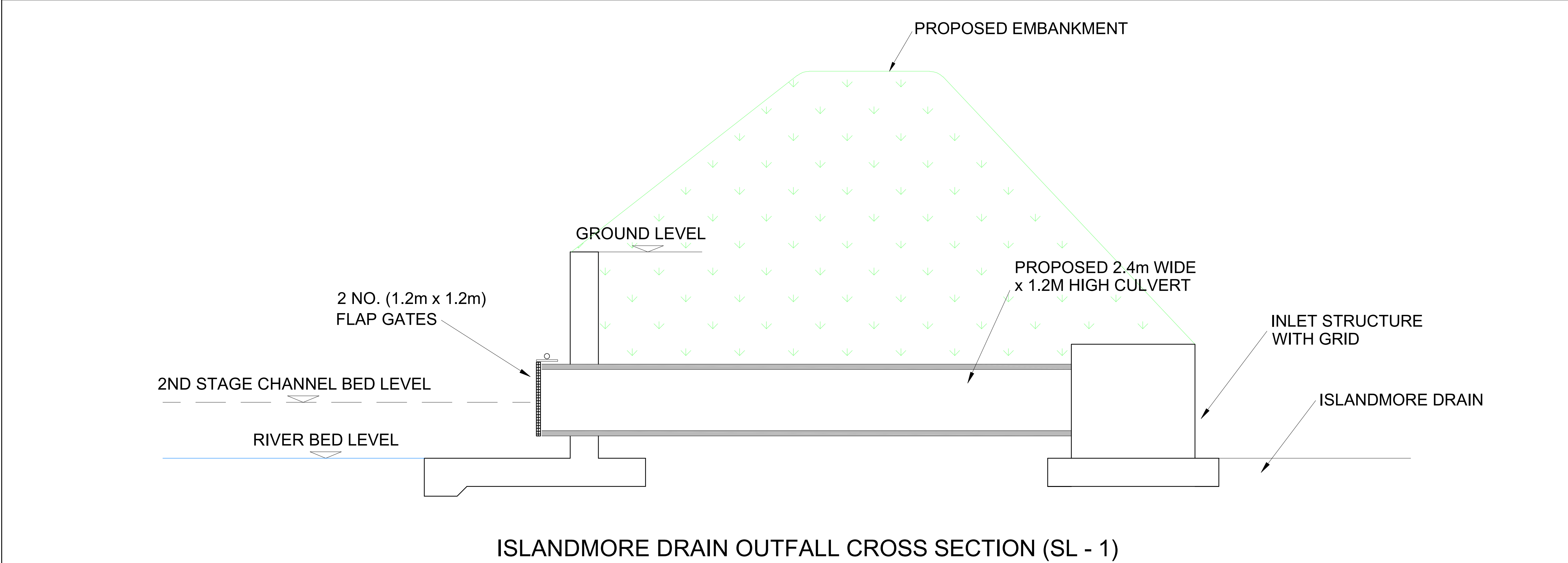
Title
CROSS SECTIONS - TYPICAL DETAILS

(Sheet 1 of 1)

Scale As Shown	Date Nov 2012
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Drawing Number MGW0161/CS0001-05	Rev F02
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Drawn By MM	Checked By PJG	Approved By COS
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NOTE: REFER TO DRAWING CS0001-03 FOR LOCATION

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5. Datum: Ordnance Survey Datum, Malin Head

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CLARE RIVER (CLAREGALWAY)
DRAINAGE SCHEME

Title

ISLANDMORE DRAIN OUTFALL
PLAN & SECTION

(Sheet 1 of 1)

Scale

As Shown

Date

Nov 2012

Drawing Number

MGW0161/CS0001-06

Rev

F02

Drawn By

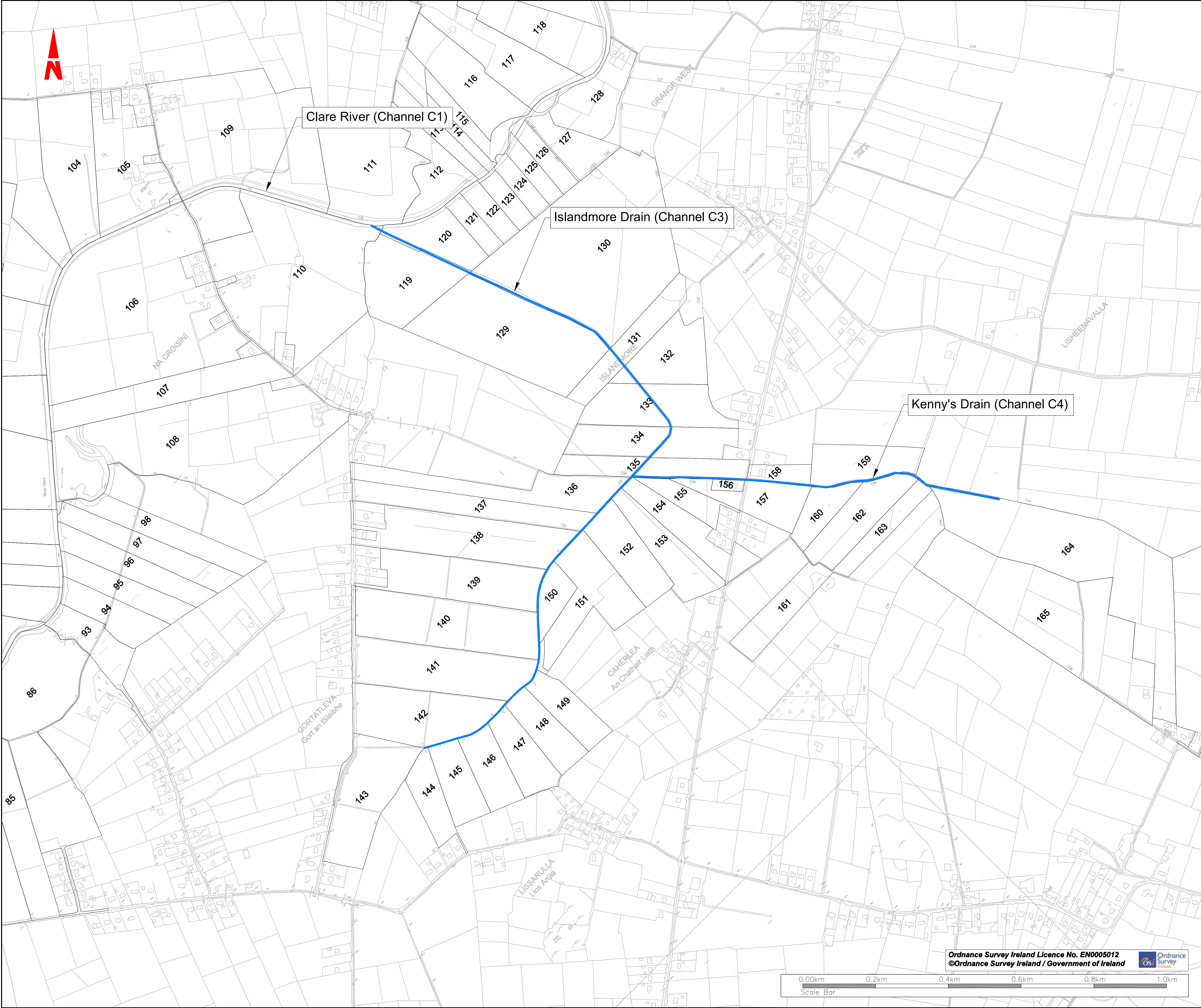
MM

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PJG

Approved By

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5. Datum: Ordnance Survey Datum, Malin Head

LEGEND

Existing Drain to be cleaned

F02	24.05.13	MM PJG	CONFIMATION	COS
F01	07.11.12	MM PJG	PUBLIC EXHIBITION	COS
No.	Date	Dir. Cnk.	Amendment / Issue	App

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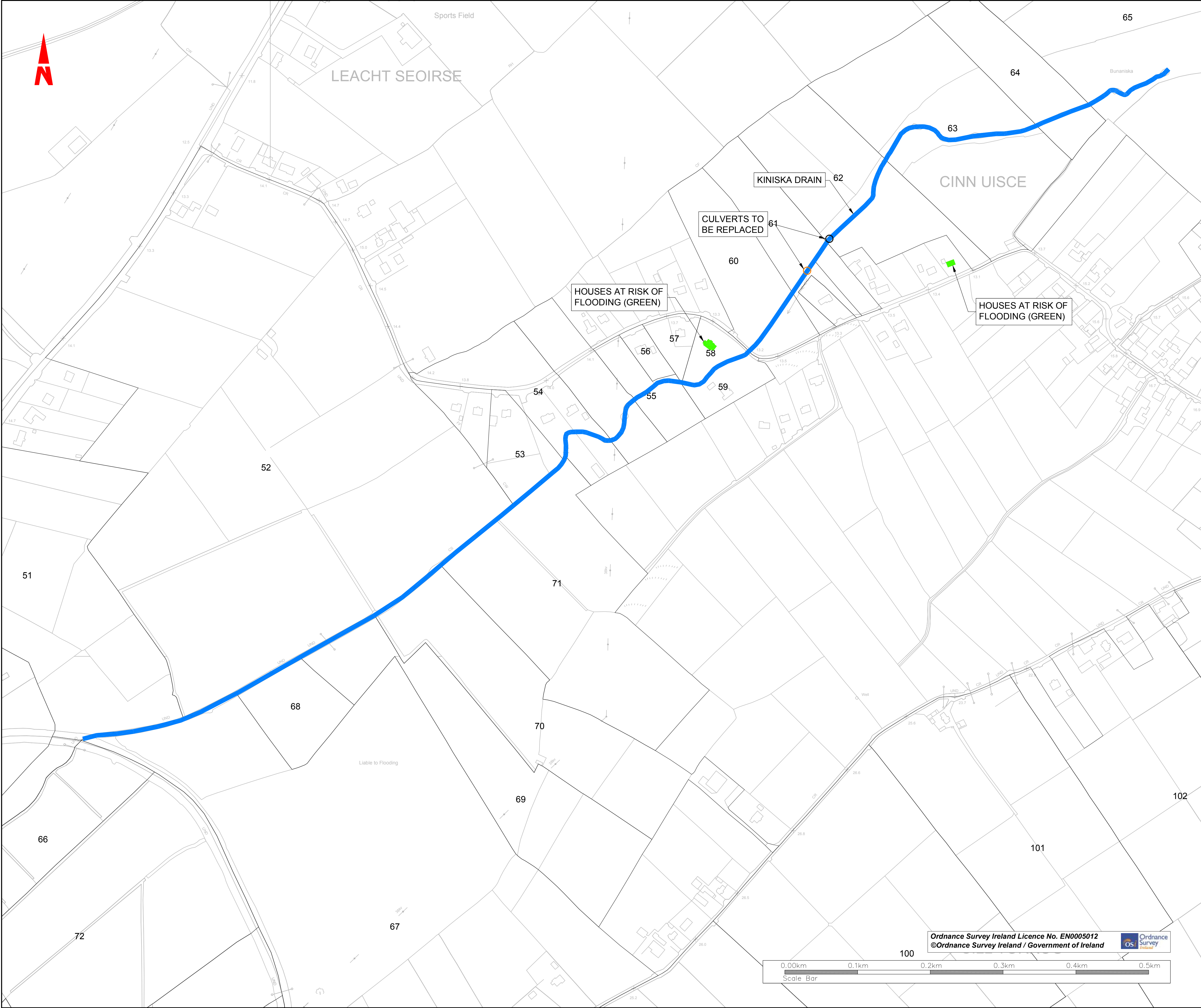
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Oifig na nOibreacha Poblai

Project
CLARE RIVER (CLAREGALWAY)
DRAINAGE SCHEME

Title
ISLANDMORE DRAIN/KENNY'S DRAIN

(Sheet 1 of 1)

Scale 1:10 000 @ A3, 1:5000 @ A1	Date Nov 2012
Drawing Number MGW0161/DG0022-01	Rev F02
Drawn By MC	Checked By PJG
Approved By COS	



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5. Datum: Ordnance Survey Datum, Malin Head

LEGEND

Existing Drain to be Cleaned

F02	24.05.13	MM P/JG	CONFIRMATION	COS
F01	07.11.12	MM P/JG	PUBLIC EXHIBITION	COS
No.	Date	Dim. Ck-.	Amendment / Issue	App

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Project

CLARE RIVER (CLAREGALWAY)
DRAINAGE SCHEME

Title

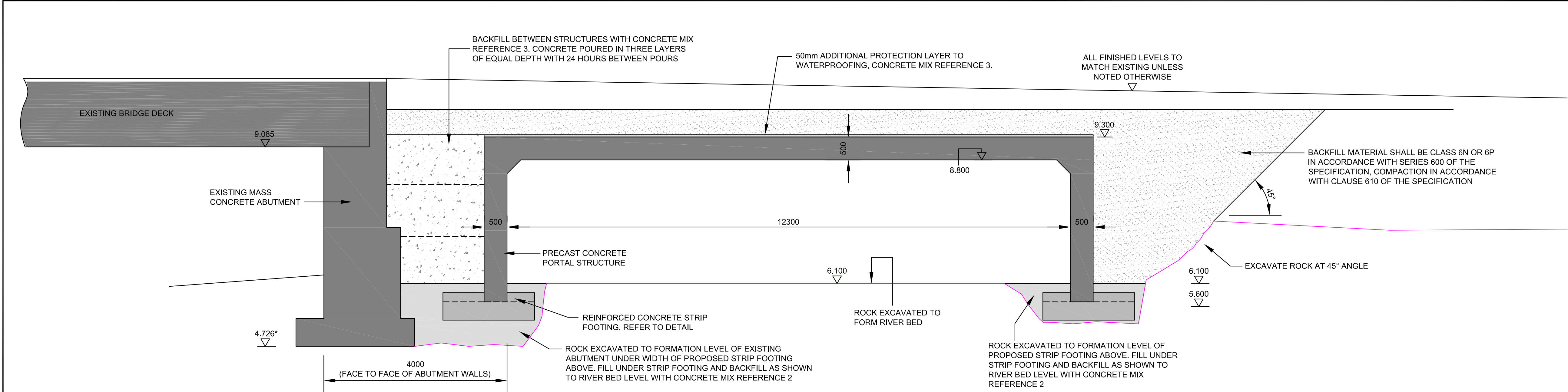
**MEASURES 5A & 5B
KINISKA DRAIN**

(Sheet 1 of 1)

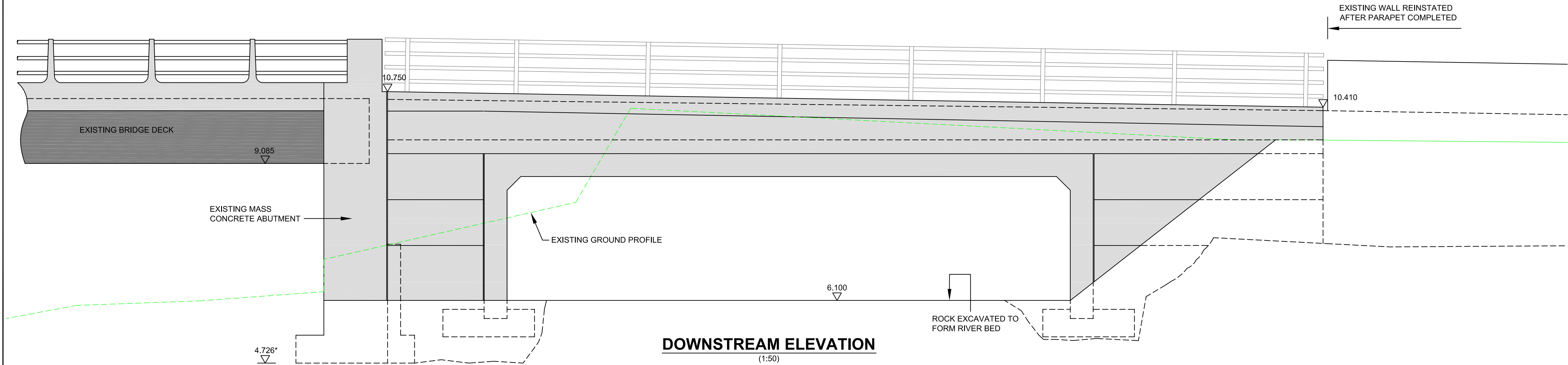
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1:5000 @ A3 1:2500 @ A1	May 2012

Drawing Number	Rev
MGW0161/DG0023-01	F02

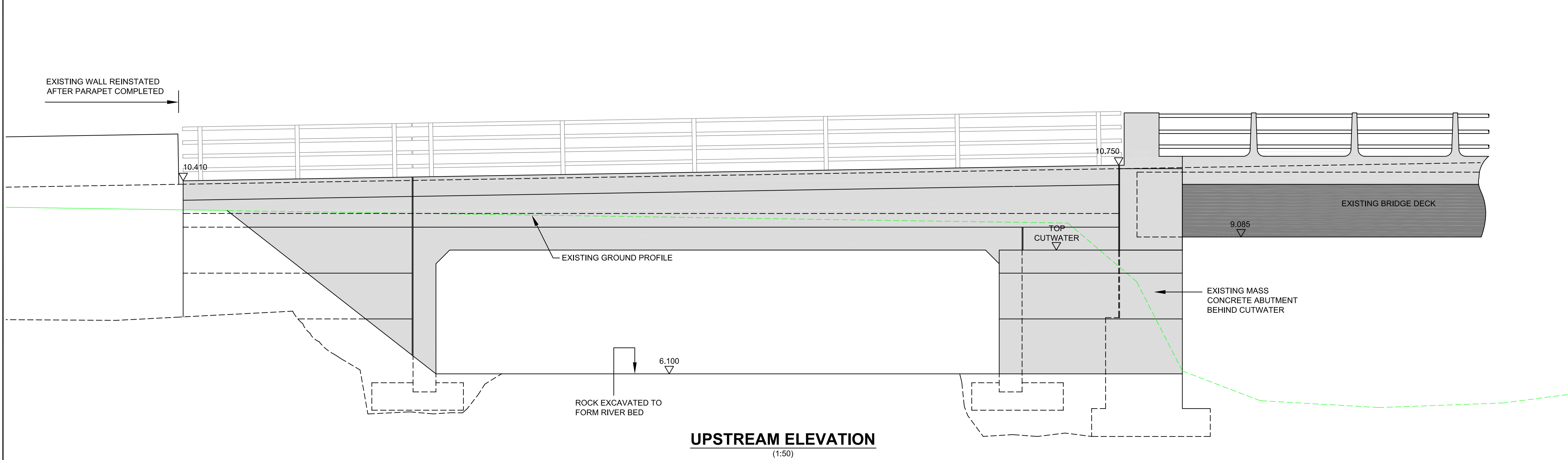
Drawn By	Checked By	Approved By
AN	P/JG	COS



SECTION 1-1
(1:50)



DOWNSTREAM ELEVATION
(1:50)



UPSTREAM ELEVATION
(1:50)

- NOTES:
- ALL WORKS TO COMPLY WITH THE "SPECIFICATION FOR ROAD WORKS" AND THE "DESIGN MANUAL FOR ROADS AND BRIDGES" PUBLISHED BY THE NATIONAL ROADS AUTHORITY.
 - PRECAST CONCRETE PORTAL TO BE DESIGNED AND SUPPLIED BY SPECIALIST PRECAST CONCRETE MANUFACTURER. DESIGN AND CONSTRUCTION TO COMPLY WITH DOCUMENTS LISTED IN 1 ABOVE AND ALL RELEVANT EUROCODES. LOADING TO INCLUDE LOAD MODEL 3 - SV196.
 - CONCRETE TO IS EN 206-1:2002

CONCRETE MIX REFERENCE 1

- EXPOSURE CLASS XD3
- STRENGTH CLASS NOT LOWER THAN C40/50
- CHLORIDE CLASS CI 0.4

CONCRETE MIX REFERENCE 2

- EXPOSURE CLASS X0
- STRENGTH CLASS NOT LOWER THAN C25/30
- CHLORIDE CLASS CI 1.0

CONCRETE MIX REFERENCE 3

- EXPOSURE CLASS X0
- STRENGTH CLASS NOT LOWER THAN C12/15
- CHLORIDE CLASS CI 1.0

C	05/11/10	IGF	WING WALLS CHANGED TO MASS CONCRETE, PORTAL CULVERT DIMENSIONS AMENDED TO MATCH SUPPLIERS PROPOSALS, LONGITUDINAL FALLS ADDED	DPH	MJ
B	06/10/10	IGF	ROCK PROFILE ADDED	DPH	MJ
A	24/08/10	IGF	REDRAWN	DPH	MJ
REV	DATE	DRN	DESCRIPTION	CHK	APD

REVISIONS

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DRAWING STATUS		
<input type="checkbox"/> PRELIMINARY	<input type="checkbox"/> CONTRACT	<input type="checkbox"/> TENDER
<input type="checkbox"/> PLANNING	<input type="checkbox"/> CONSTRUCTION	<input type="checkbox"/> FOR APPROVAL
<input type="checkbox"/> FOR YOUR INFORMATION	<input type="checkbox"/> AS CONSTRUCTED	<input checked="" type="checkbox"/> DRAFT

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DUBLIN OFFICE: Suite D4, The Cubes Offices, Beacon South Quarter, Sandford, Dublin18.

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THE OFFICE OF PUBLIC WORKS

PROJECT
RIVER CLARE EMERGENCY FLOOD RELIEF WORKS

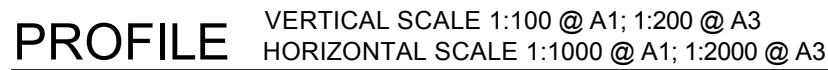
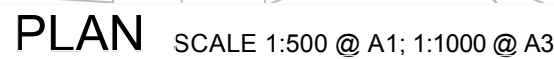
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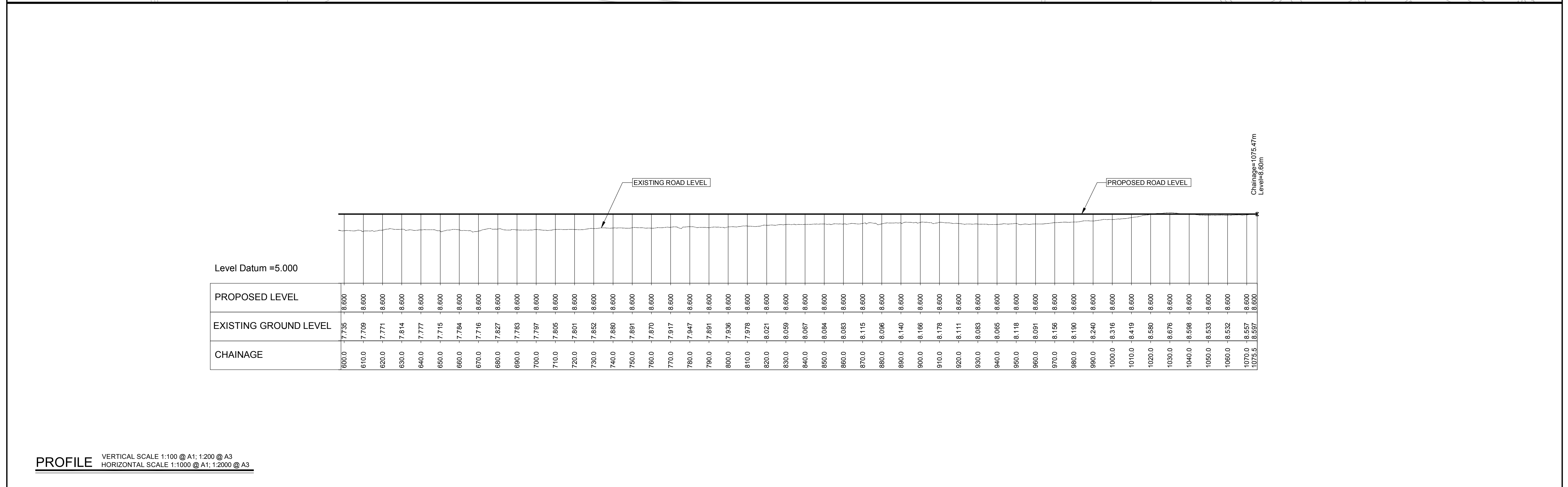
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1:50	03/08/2010	IGF/RW	DPH	MJ

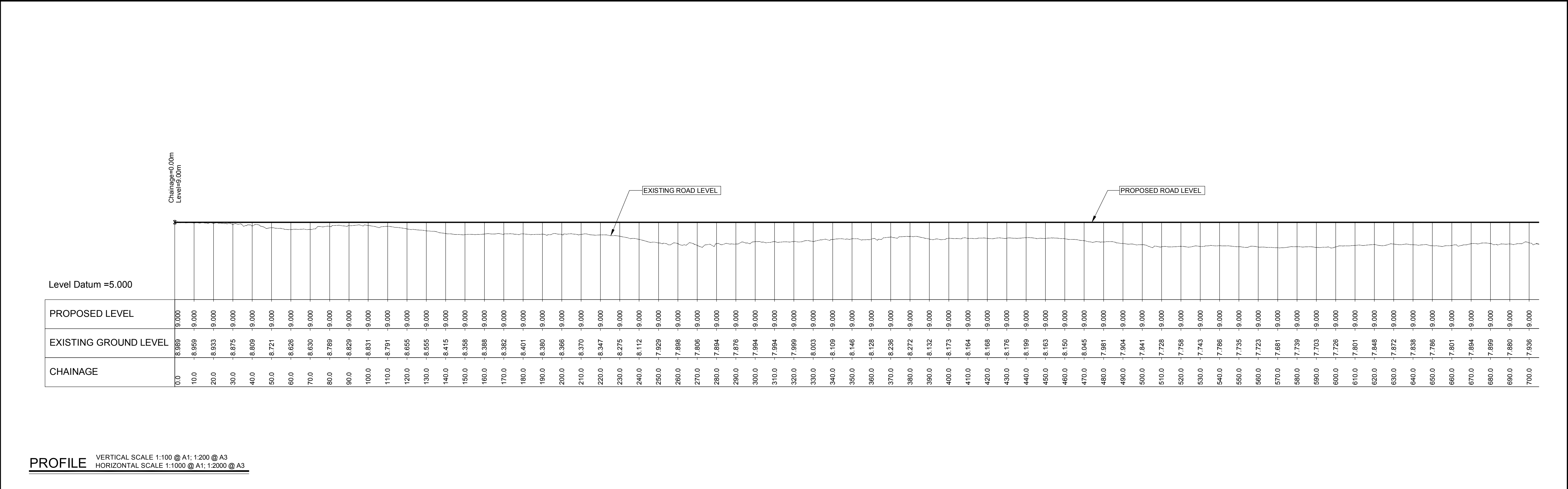
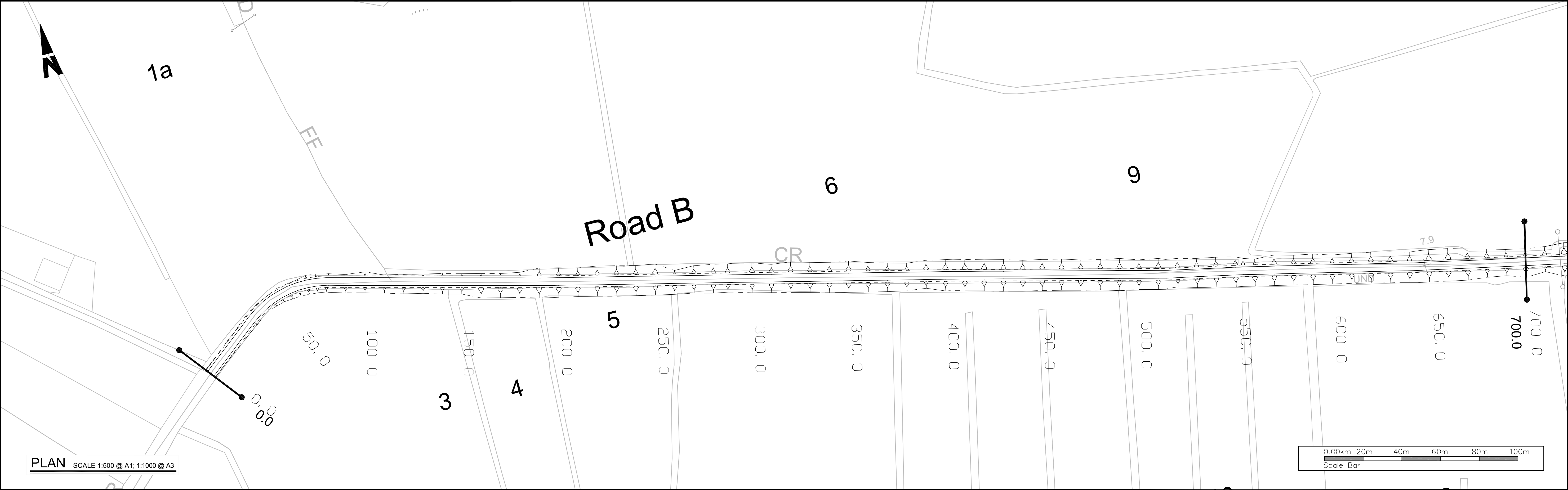
JOB No.	DRAWING No.	REV.
2159	2159/BDD/02	C



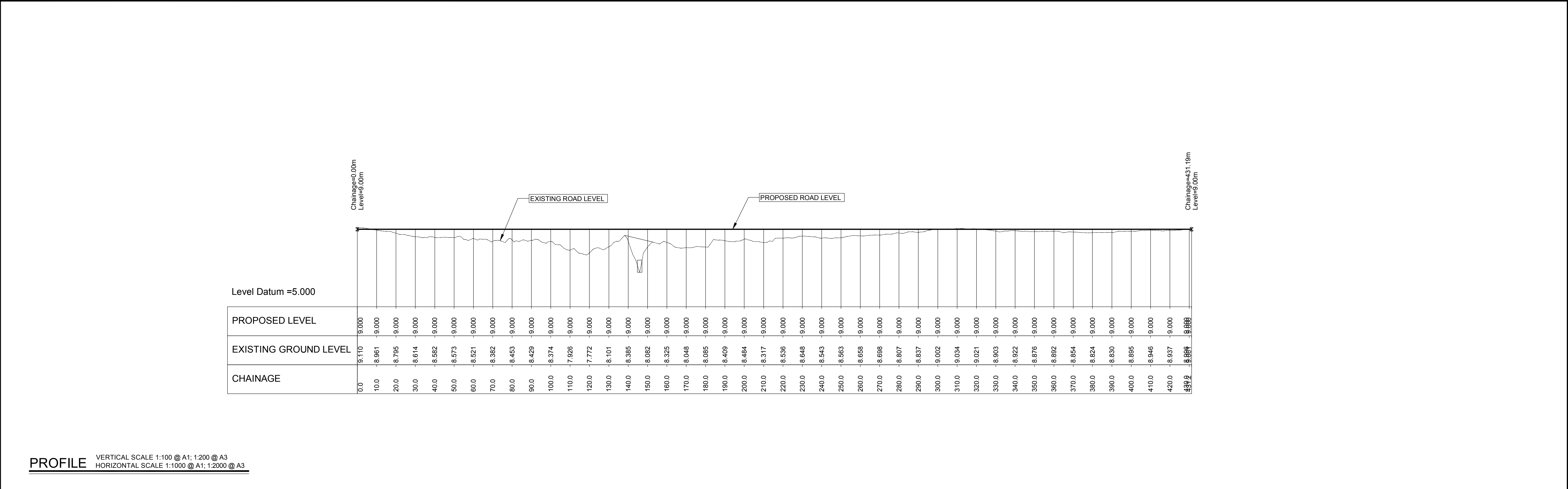
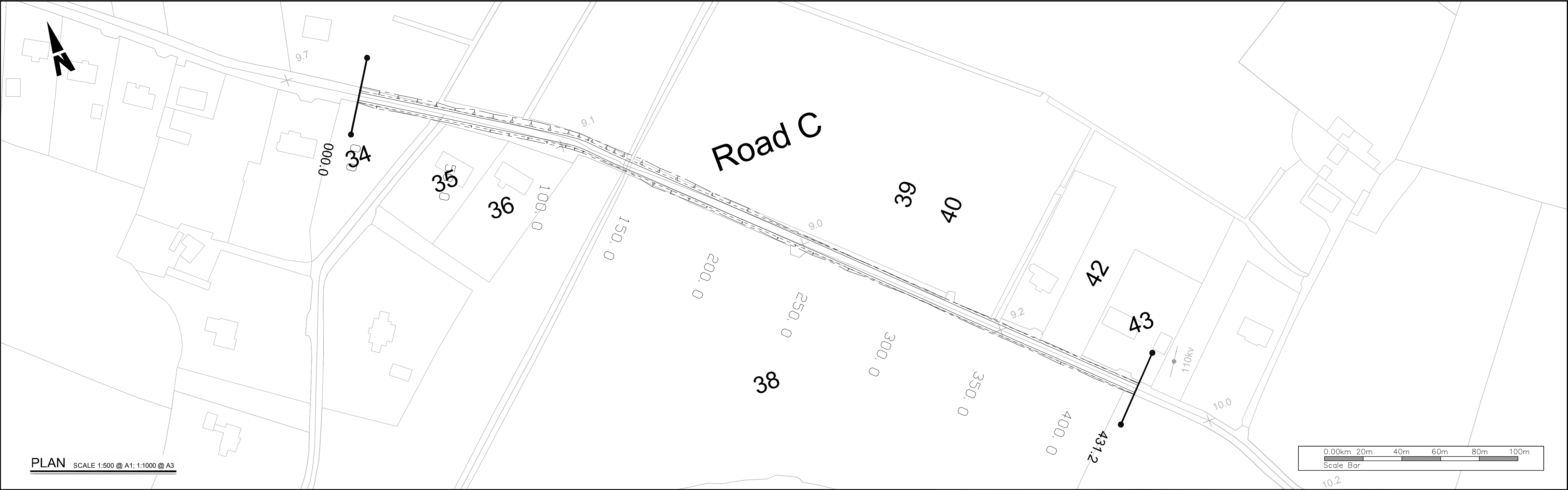
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				F02	24.05.13	KM	P/S	CONFIRMATION		COS	<div><div>OPW</div><div>The National Parks and Wildlife Service (OPW nie wilkończące Próbki)</div></div>		Project		CLARE RIVER (CLAREGALWAY) DRAINAGE SCHEME		Title		MGW0161/DG0020-01		F02	
				F01	07.11.12	KM	P/S	PUBLIC EXHIBITION		COS									ROADS A, B & C Plan			
				No.	Date	Dim. Chg.		Amendment / Issue		App	Scale		Drawn By		Checked By		Approved By		Date		(Sheet 1 of 6)	
							1:2500 @ A1; 1:5000 @ A3		MC		PJG		COS		NOV 2012							

MGW0161DG0020.dwg

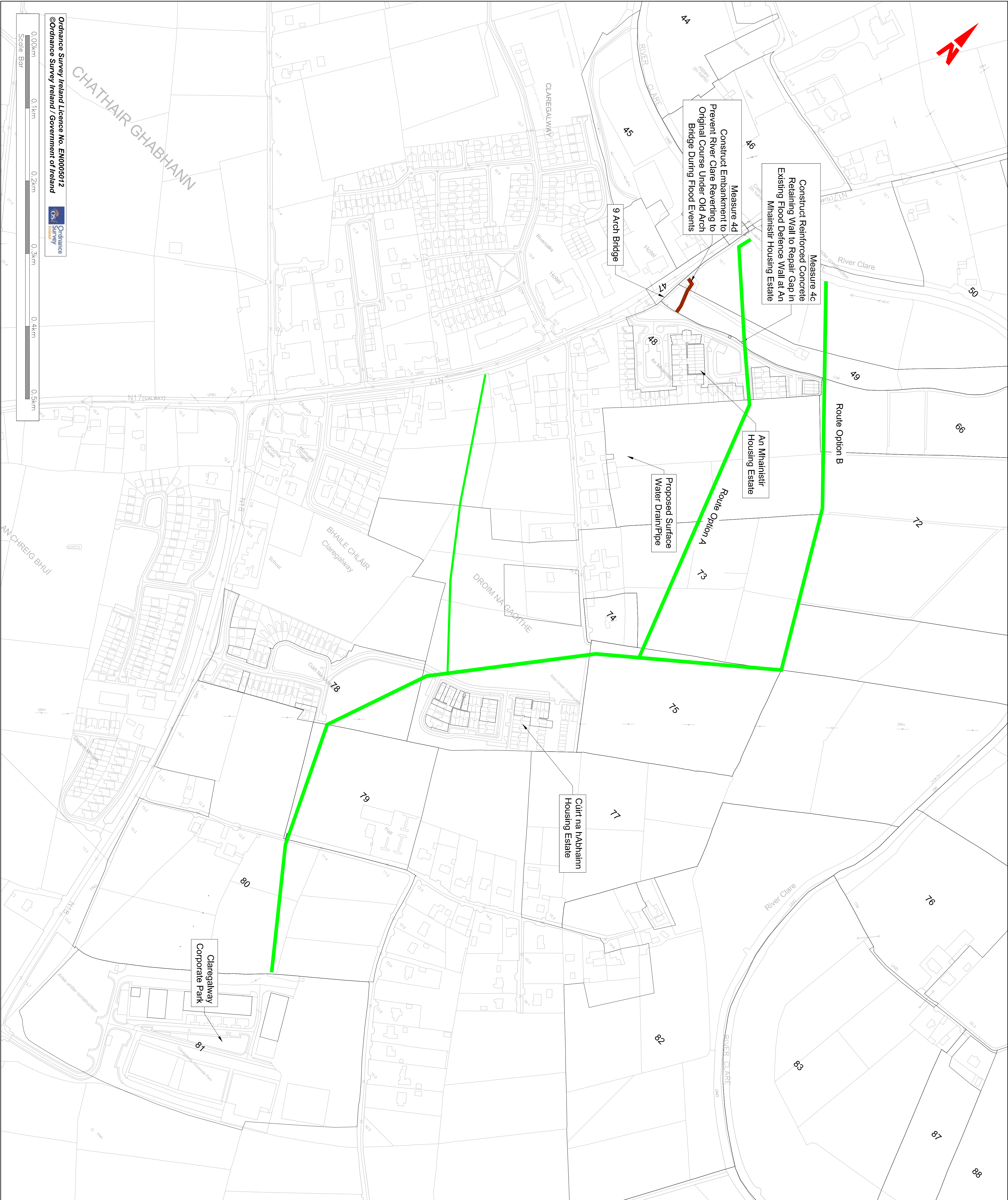
MGW0161DG0020.dwg



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								MGW0161/DG0020-04		F02	
								Project		Title	
CLARE RIVER (CLAREGALWAY) DRAINAGE SCHEME		ROAD B - MIONTACH NORTH Plan and Profile									
Scale		Drawn By		Checked By		Approved By		Date			
As Shown		MC		PJJ		COS		NOV 2012			
No.		Date		Amendment / Issue		App					



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LEGEND

- Proposed Surface Water Drain/Pipe
- Proposed Embankment

F02	24.05.13	MM PJG	CONFIRMATION	CS
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Project
CLARE RIVER (CLAREGALWAY)
DRAINAGE SCHEME

Title

MEASURES 4C, 4D & 6A

(Sheet 1 of 1)

Scale	Date
1:5000 @ A3, 1:2500 @ A1	Nov 2012

Drawing Number

MGW0161/DG0019-01

Rev

F02

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MC	PJG	COS