



# Glashaboy River

(Glanmire/Sallybrook) Drainage Scheme



Volume

**2**

( Appendices )

## Environmental Impact Statement

November 2016

## Appendices

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The appendices for this EIS have been separated into three parts for convenient download from [www.glashaboyfrs.com](http://www.glashaboyfrs.com) due to the size of some files. Please see below for where each Appendix may be found.

### Appendices Part 1 of 3

Appendix 3.1      Exhibition Drawings

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Appendix 7.1      Photomontages

### Appendices Part 3 of 3

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Appendix 4.1      Outline Japanese Knotweed Management Strategy

Appendix 6.1      Habitat Maps

Appendix 6.2      Geomorphology Report

Appendix 7.2      Observations and Objectives from Cork Development Plan (2014) and Blarney Local Area Plan (2015)

Appendix 13.1      Published information in Archaeological Inventory of Co Cork (Power 1994) and published files of the Archaeological Survey of Ireland

Appendix 13.2      Wading and Metal Detection Survey at Glenmore Stream, Ballinglanna & Riverstown Unnamed channel at Sallybrook House, Riverstown and Bleach Hill Stream, Sarsfieldscourt, Glanmire, Co Cork

Appendix 13.3      Dive Survey of the Glashaboy River

Appendix 13.4      Glashaboy River Site Inspection – Plates 1-53

## Appendix 3.1

### Exhibition Drawings

# Office of Public Works & Cork County Council

## Arterial Drainage Acts, 1945 and 1995

### Glashaboy River (Glanmire/Sallybrook) Drainage Scheme

#### Exhibition Drawings

21 /11/ 2016

V.CAMPBELL

DIRECTOR OF ENGINEERING SERVICES (ACTING)

**EXHIBITION COPY**

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Office of Public Works  
Cork County Council

Arterial Drainage Acts, 1945 and 1995

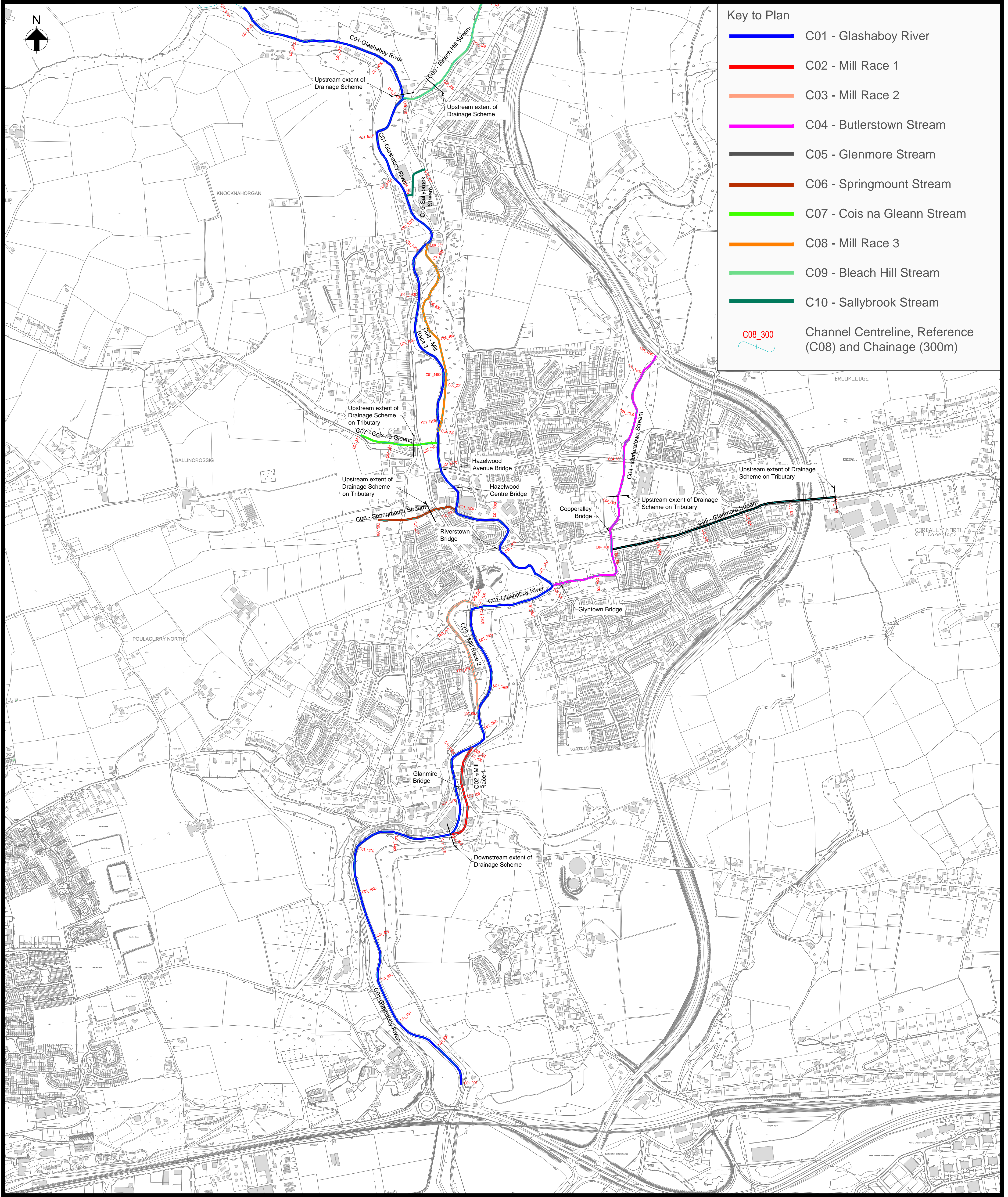
Glashaboy River (Glanmire/Sallybrook) Drainage Scheme

Exhibition Drawings

Drawing Number	Drawing Name
Series 1	
GR_101	Cover Sheet
GR_102	Index Sheet
GR_103	Channel Codes Drawing
GR_104	Existing Flood Extents and Proposed Flood Benefit Area (Sheet 1 of 3)
GR_105	Existing Flood Extents and Proposed Flood Benefit Area (Sheet 2 of 3)
GR_106	Existing Flood Extents and Proposed Flood Benefit Area (Sheet 3 of 3)
GR_107	Proposed Flood Defence - Restrictions
GR_108	Overview of Drawings
Series 2	
GR_201	Proposed Flood Defences - Plan Layout (Sheet 1 of 16)
GR_202	Proposed Flood Defences - Plan Layout (Sheet 2 of 16)
GR_203	Proposed Flood Defences - Plan Layout (Sheet 3 of 16)
GR_204	Proposed Flood Defences - Plan Layout (Sheet 4 of 16)
GR_205	Proposed Flood Defences - Plan Layout (Sheet 5 of 16)
GR_206	Proposed Flood Defences - Plan Layout (Sheet 6 of 16)
GR_207	Proposed Flood Defences - Plan Layout (Sheet 7 of 16)
GR_208	Proposed Flood Defences - Plan Layout (Sheet 8 of 16)
GR_209	Proposed Flood Defences - Plan Layout (Sheet 9 of 16)
GR_210	Proposed Flood Defences - Plan Layout (Sheet 10 of 16)
GR_211	Proposed Flood Defences - Plan Layout (Sheet 11 of 16)
GR_212	Proposed Flood Defences - Plan Layout (Sheet 12 of 16)
GR_213	Proposed Flood Defences - Plan Layout (Sheet 13 of 16)
GR_214	Proposed Flood Defences - Plan Layout (Sheet 14 of 16)
GR_215	Proposed Flood Defences - Plan Layout (Sheet 15 of 16)
GR_216	Proposed Flood Defences - Plan Layout (Sheet 16 of 16)

Drawing Number	Drawing Name
Series 3	
GR_301	Proposed Flood Defences - Proposed Sections (Sheet 1 of 8)
GR_302	Proposed Flood Defences - Proposed Sections (Sheet 2 of 8)
GR_303	Proposed Flood Defences - Proposed Sections (Sheet 3 of 8)
GR_304	Proposed Flood Defences - Proposed Sections (Sheet 4 of 8)
GR_305	Proposed Flood Defences - Proposed Sections (Sheet 5 of 8)
GR_306	Proposed Flood Defences - Proposed Sections (Sheet 6 of 8)
GR_307	Proposed Flood Defences - Proposed Sections (Sheet 7 of 8)
GR_308	Proposed Flood Defences - Proposed Sections (Sheet 8 of 8)
Series 4	
GR_401	Proposed Flood Defence Works Finishes (Sheet 1 of 3)
GR_402	Proposed Flood Defence Works Finishes (Sheet 2 of 3)
GR_403	Proposed Flood Defence Works Finishes (Sheet 3 of 3)
Series 5	
GR_501	Proposed Access Routes and Works Area (Sheet 1 of 3)
GR_502	Proposed Access Routes and Works Area (Sheet 2 of 3)
GR_503	Proposed Access Routes and Works Area (Sheet 3 of 3)
Series 6	
GR_601	Proposed Flood Defences - Detailed Layout





Key to Plan

C01 - Glashaboy River

C02 - Mill Race 1

C03 - Mill Race 2

C04 - Butlerstown Stream

C05 - Glenmore Stream

C06 - Springmount Stream

C07 - Cois na Gleann Stream

C08 - Mill Race 3

C09 - Bleach Hill Stream

C10 - Sallybrook Stream

C08\_300

Channel Centreline, Reference (C08) and Chainage (300m)

Location Plan

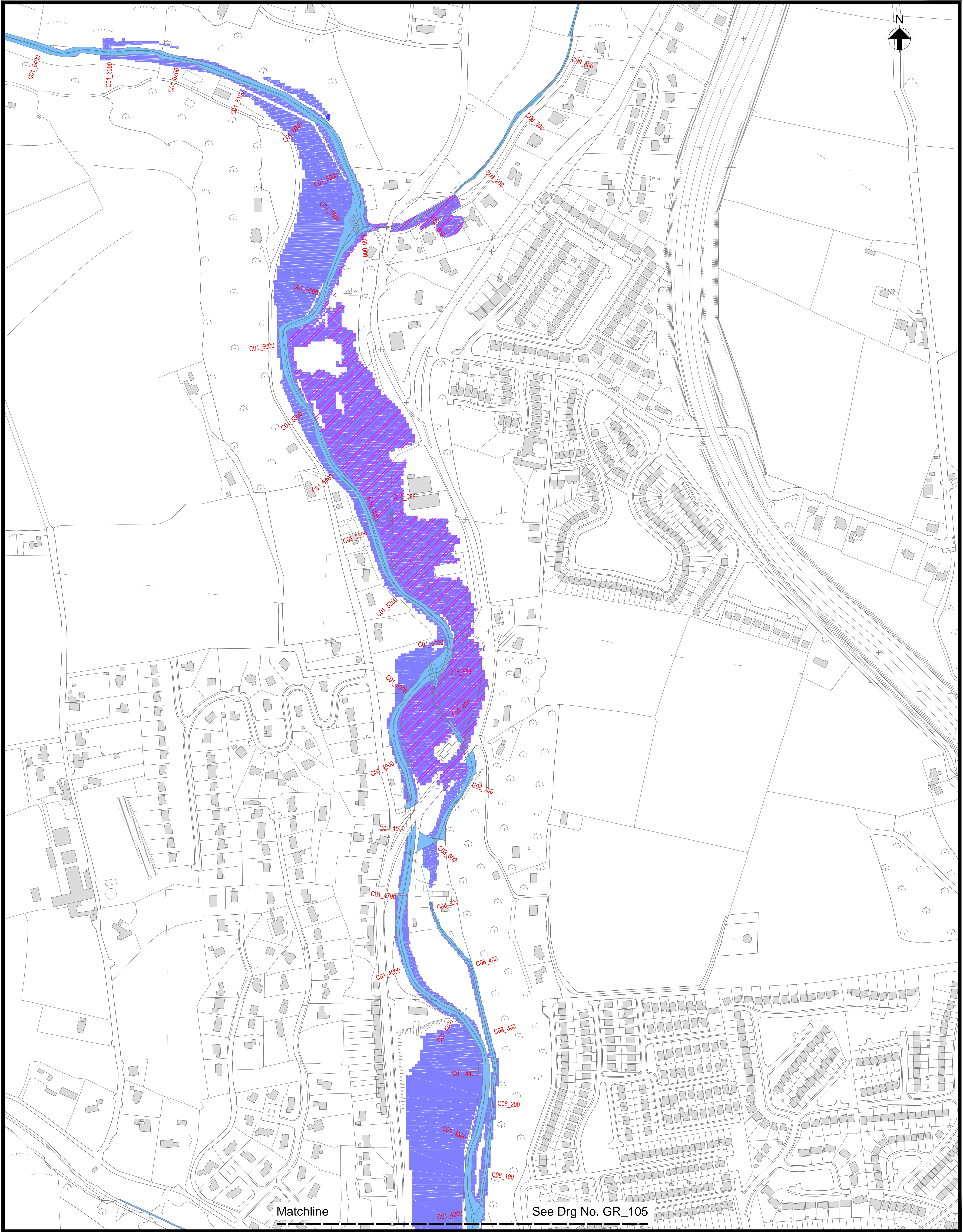
- Notes:
1. Do not scale from drawing.
  2. The channels on this drawing have been assigned colours and codes for the purpose of assigning identification labels and interference references.
  3. This drawing should be read in conjunction with all other Glashaboy River (Glanmire/Sallybrook) Drainage Scheme Exhibition Drawings and Schedules.

25 75  
0 50 100 200 Metres

Scale 1:7,500 at A1  
Scale 1:15,000 at A3

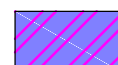



Drg. No. GR\_103 Channel Codes





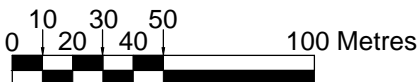
Location Plan

Key to Plan

-  Benefiting Lands
-  Channel Centreline, Reference (C06) and Chainage (300m)
-  1 in 100yr Fluvial Flood Extents
-  Watercourse

Notes:

- Do not scale from drawing.
- Proposed works geometry and extents are subject to detailed design.
- This drawing should be read in conjunction with all other Glashaboy River (Glanmire/Sallybrook) Drainage Scheme Exhibition Drawings and Schedules.



Scale 1:2,500 at A1  
Scale 1:5,000 at A3

Drg. No. GR\_104 Existing Flood Extents and Proposed Flood Benefit Area (Sheet 1 of 3)

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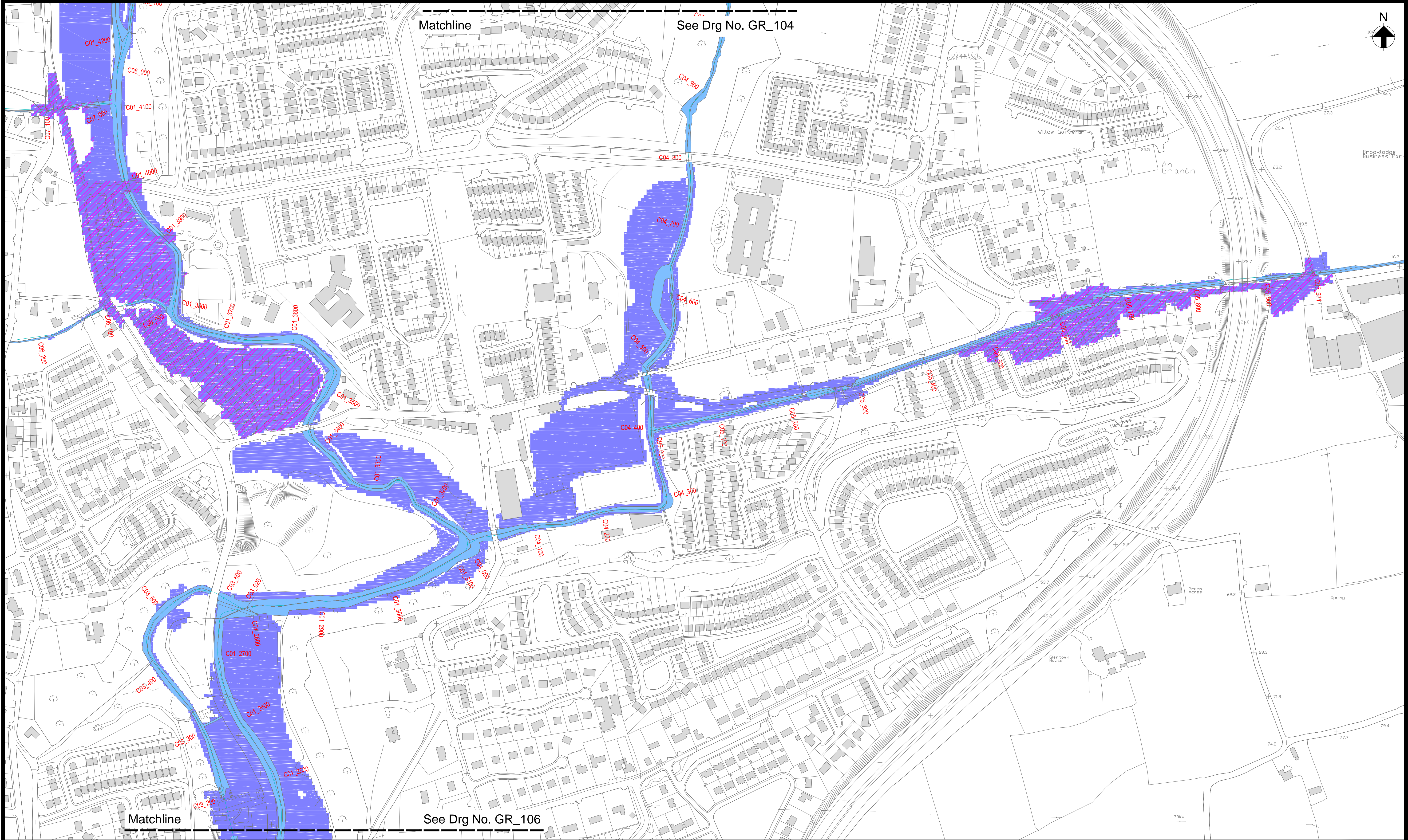


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Location Plan

Key to Plan

- Benefiting Lands
- 1 in 100yr Fluvial Flood Extents
- Watercourse

Channel Centreline, Reference (C06) and Chainage (300m)

- Notes:
- Do not scale from drawing.
  - Proposed works geometry and extents are subject to detailed design.
  - This drawing should be read in conjunction with all other Glashaboy River (Glanmire/Sallybrook) Drainage Scheme Exhibition Drawings and Schedules.

Drg. No. GR\_105 Existing Flood Extents and Proposed Flood Benefit Area (Sheet 2 of 3)

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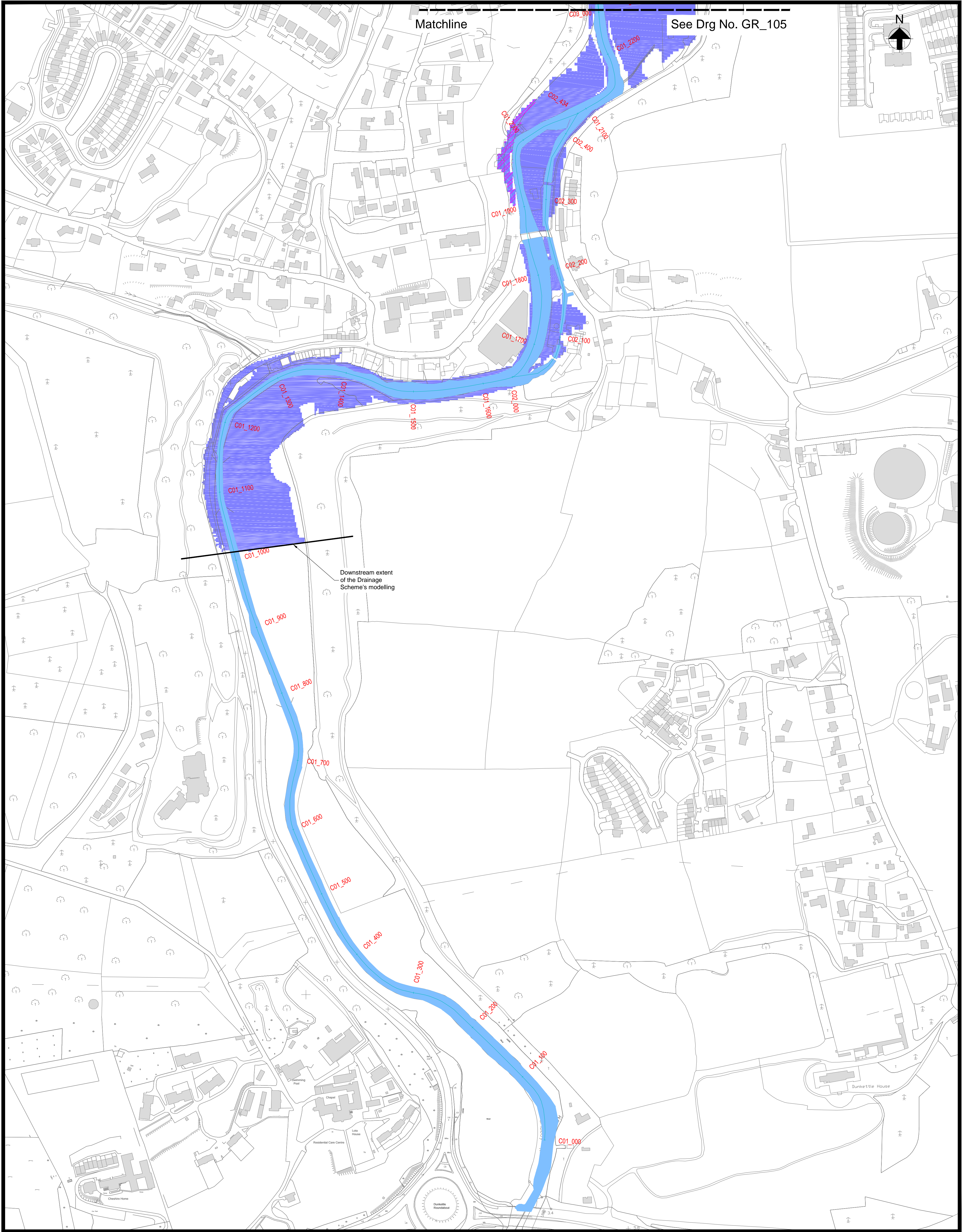
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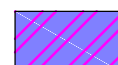



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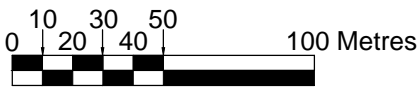
Location Plan

Key to Plan

-  Benefiting Lands
  -  1 in 100yr Fluvial / 1 in 200yr Tidal Flood Extents
  -  Watercourse
-  Channel Centreline, Reference (C06) and Chainage (300m)

Notes:

- Do not scale from drawing.
- Proposed works geometry and extents are subject to detailed design.
- This drawing should be read in conjunction with all other Glashaboy River Drainage Scheme Exhibition Drawings and Schedules.



Scale 1:2,500 at A1  
Scale 1:5,000 at A3

Drg. No. GR\_106 Existing Flood Extents and Proposed Flood Benefit Area (Sheet 3 of 3)

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OPW  
The Office of Public Works

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Proposed Flood Defences - Restrictions

Proposed Flood Defence	Restrictions
Flood Defence Embankments	Flood defence embankments shall not be tilled or planted with any vegetation other than grass. Permanent access to be provided for maintenance and inspection of the flood defence embankments - refer to proposed access and work area drawings GR_501, GR_502 and GR_503. Flood defence embankments to be regularly maintained through frequent grass cutting (approximately four times per year). Non-authorized vehicular or pedestrian access on flood defence embankments shall not be permitted. Flood defence embankments shall not be grazed by livestock other than sheep due to the potential risk of rutting or causing damage to the embankments. No works shall be permitted in close proximity to flood defence embankments without approval from the Office of Public Works (OPW).
Flood Defence Walls	Permanent access to be provided for maintenance and inspection of flood defence walls - refer to proposed access and work area drawings GR_501, GR_502 and GR_503. No works shall be carried out to flood defence walls or in close proximity to flood defence walls without approval from the Office of Public Works (OPW). No excavation of material close to flood defence walls shall be permitted without the approval of the Office of Public Works (OPW).
Pumping Stations	Permanent access to be provided for maintenance and inspection of pumping stations - refer to proposed access and work area drawings GR_501, GR_502 and GR_503. No works shall be carried out near pumping stations or in close proximity to the pumping stations without approval from the Office of Public Works (OPW) No local connections or drains shall be connected to a pumping station without approval from the Office of Public Works (OPW). No vegetation, material or detritus shall be disposed of within the channel, as this may increase the risk of blockage at pumping stations.
Bridges	Permanent access to be provided for maintenance and inspection of bridges - refer to proposed access and work area drawings GR_501, GR_502 and GR_503. No works shall be carried out to bridges or in close proximity to bridges without approval from the Office of Public Works (OPW). No vegetation, material or detritus shall be disposed of within the channel, as this may increase the risk of blockage at bridges.
Culverts	No local connections or drains shall be connected to culverts without approval from the Office of Public Works (OPW). No works shall be carried out to culverts or in close proximity to culverts without approval from the Office of Public Works (OPW). No vegetation, material or detritus shall be disposed of within the channel, as this may increase the risk of blockage within culverts.
Sluice	Permanent access to be provided for maintenance and inspection of the penstock - refer to proposed access and work area drawings GR_501. No works shall be carried out to the penstock or in close proximity to the penstock without approval from the Office of Public Works (OPW).
Regraded Ground	No works shall be carried out to regraded ground, such as road resurfacing, without approval of the Office of Public Works (OPW).

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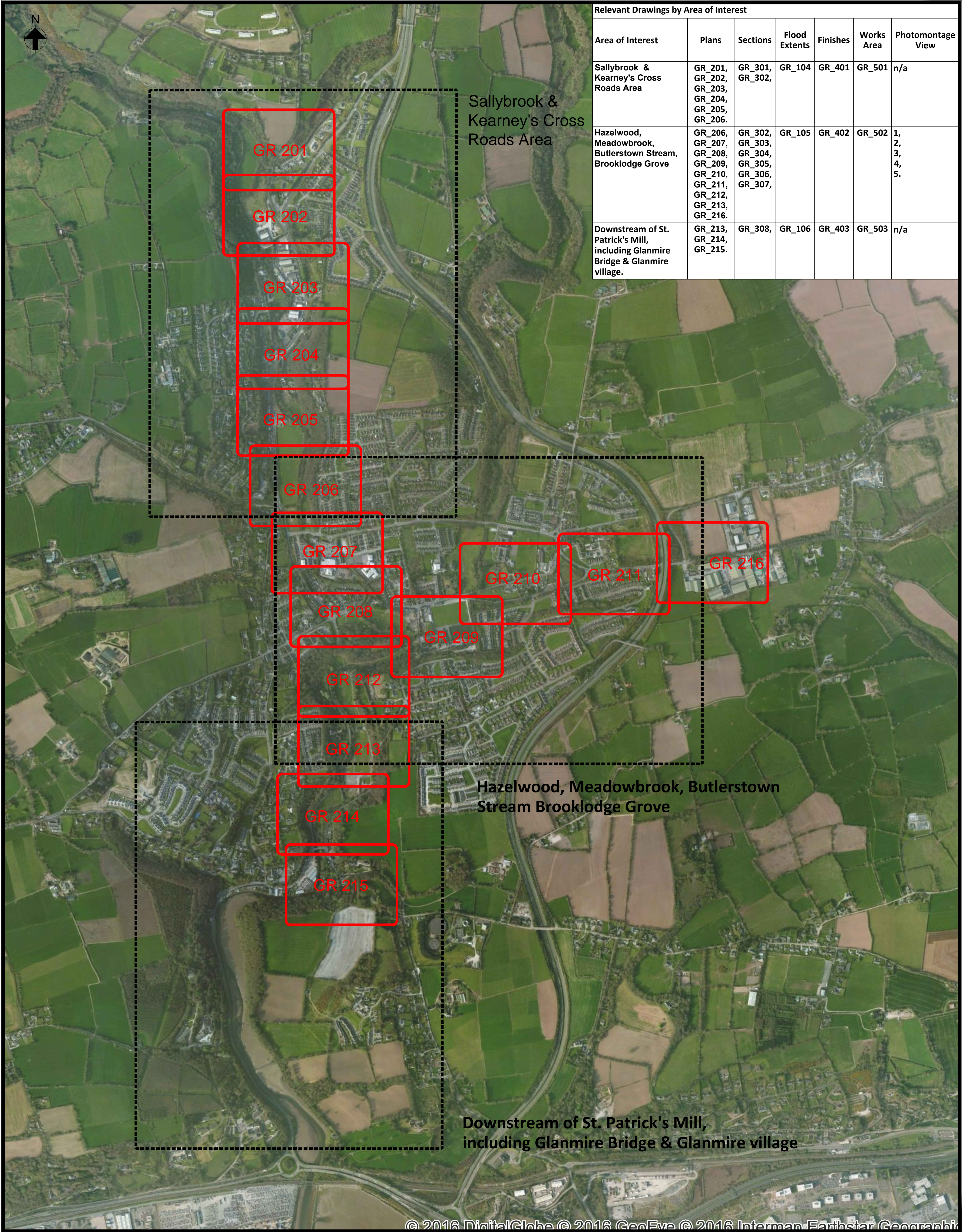
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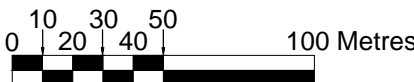
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Relevant Drawings by Area of Interest						
Area of Interest	Plans	Sections	Flood Extents	Finishes	Works Area	Photomontage View
Sallybrook & Kearney's Cross Roads Area	GR_201, GR_202, GR_203, GR_204, GR_205, GR_206.	GR_301, GR_302,	GR_104	GR_401	GR_501	n/a
Hazelwood, Meadowbrook, Butlerstown Stream, Brooklodge Grove	GR_206, GR_207, GR_208, GR_209, GR_210, GR_211, GR_212, GR_213, GR_216.	GR_302, GR_303, GR_304, GR_305, GR_306, GR_307,	GR_105	GR_402	GR_502	1, 2, 3, 4, 5.
Downstream of St. Patrick's Mill, including Glanmire Bridge & Glanmire village.	GR_213, GR_214, GR_215.	GR_308,	GR_106	GR_403	GR_503	n/a

Location Plan



Scale 1:2,500 at A1  
Scale 1:5,000 at A3

Drg. No. GR\_108 Overview of Drawings

Notes:  
1. Do not scale from drawing.  
2. Proposed works geometry and extents are subject to detailed design.  
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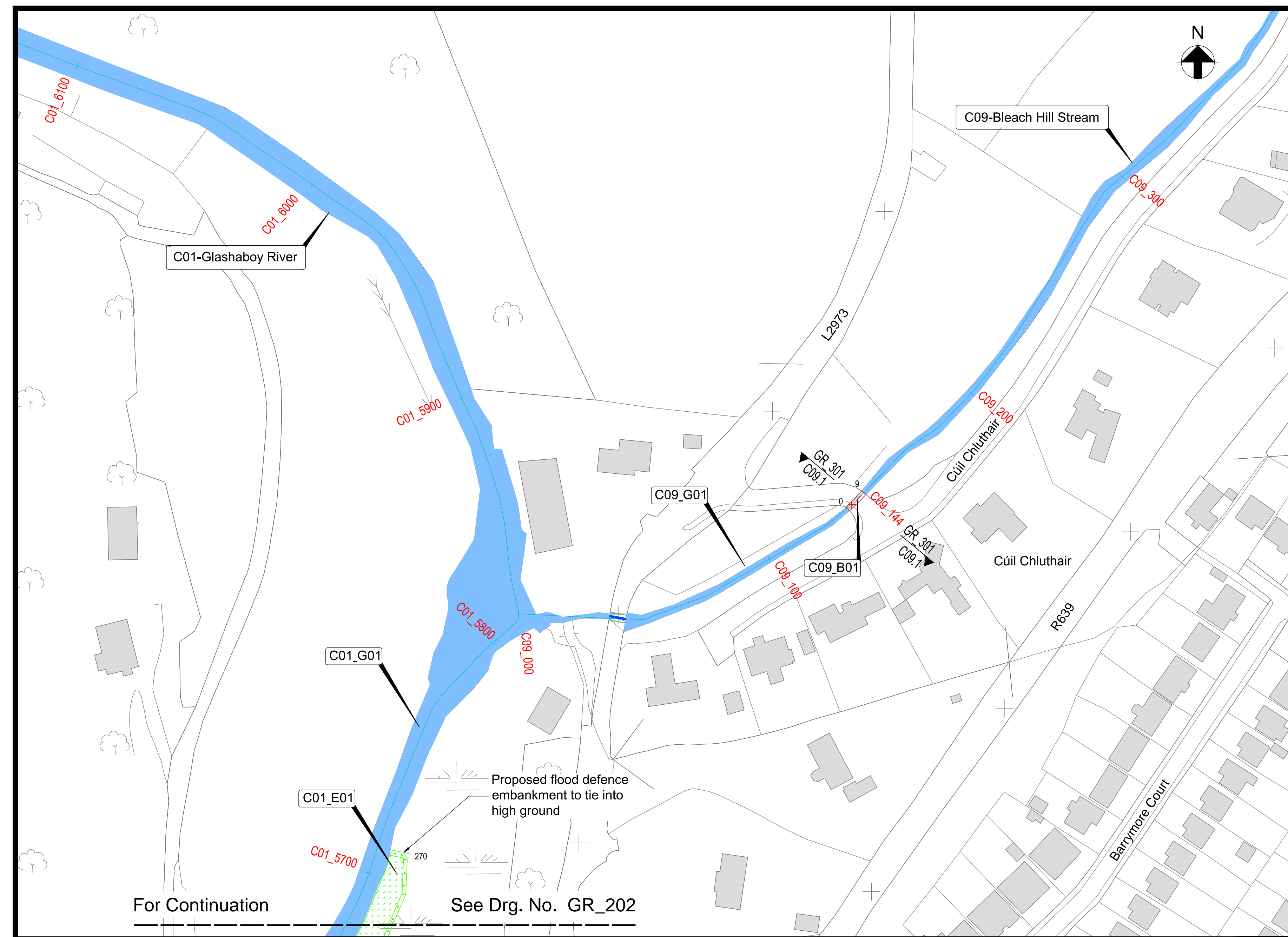


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## Glashaboy River (Glanmire/Sallybrook) Drainage Scheme

Issued for Exhibition November 2016

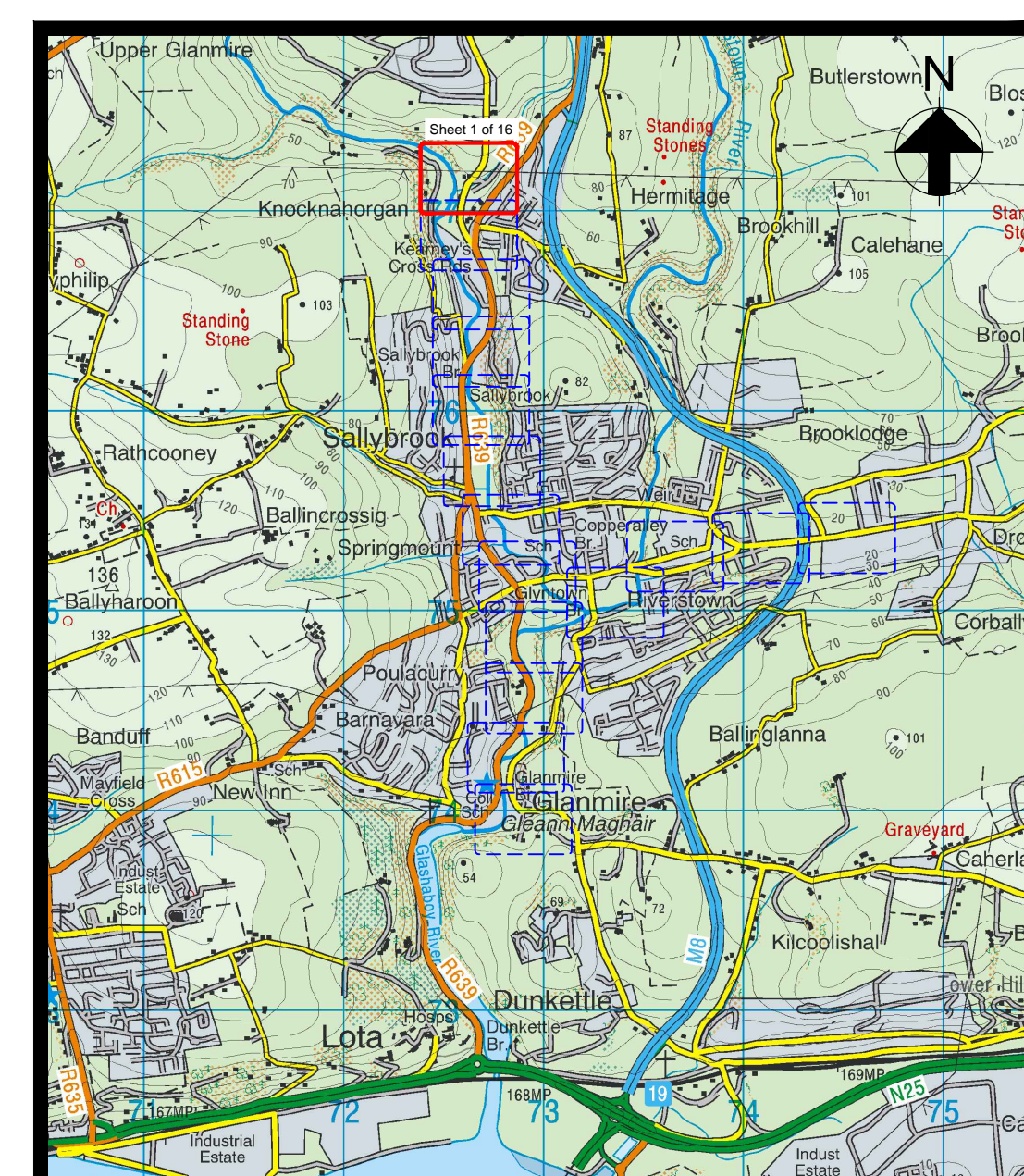


Interference Reference	Channel Chainage	Proposed Works Chainage (m)	General Description of Proposed Works
C09_G01	0 to 154	-	Channel maintenance, as and when necessary over a distance of 154m from the confluence of the Bleach Hill Stream and the Glashaboy River (C09_000) to 10m upstream of the proposed 2.6m wide by 2.4m high rectangular culvert (C09_144).
C01_G01	1643 to 5815	-	Channel maintenance, as and when necessary over a distance of 4172m from the confluence of The Glashaboy River with Mill Race 1 (C01_1643) to the confluence with Bleach Hill Stream (C01_5815).
C09_B01	135 to 144	0 to 9	Replace existing twin 0.9m diameter culverts with new 2.6m wide by 2.4m high rectangular culvert.
C01_E01	5522 to 5711	102 to 270	Existing embankment to be enhanced by addition of a new flood defence embankment constructed to flood defence level of 21.7mOD (to a height typically 0.95m above existing ground level). The proposed embankment will be constructed to the east of the existing to preserve the existing treeline.

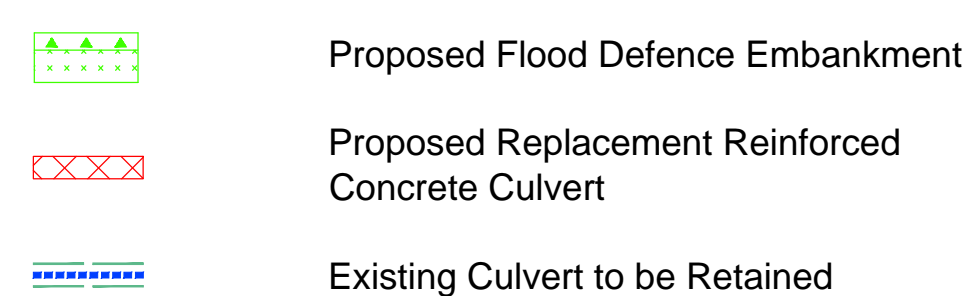
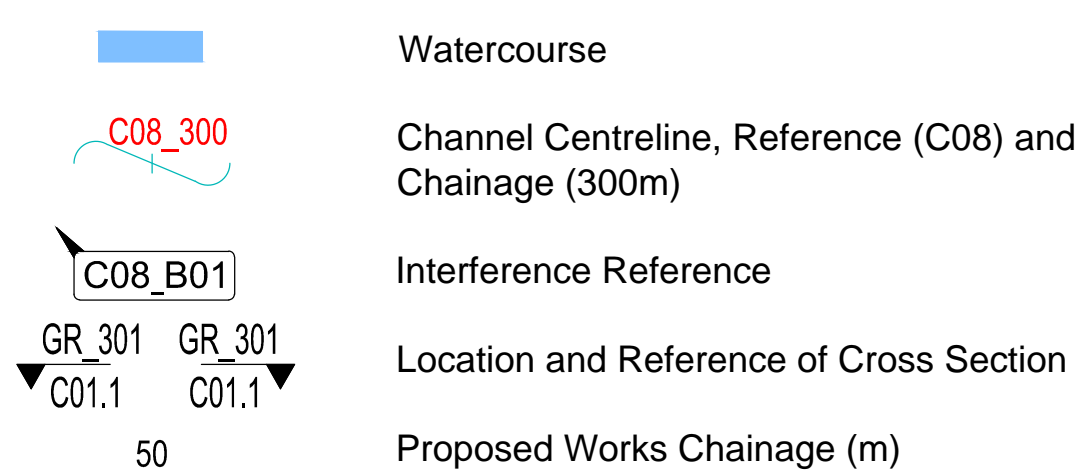
Notes:

1. Do not scale from drawing.
2. Proposed works geometry and extents are subject to detailed design.
3. This drawing should be read in conjunction with all other Glashaboy River (Glanmire/Sallybrook) Drainage Scheme Exhibition Drawings and Schedules.
4. All sections on this drawing are taken looking downstream.

## Location Plan



## Key Plan



Scale 1:1,000 at A1

Scale 1:2,000 at A3

Drg. No. GR\_201 Proposed Flood Defences - Plan Layout (Sheet 1 of 16)

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