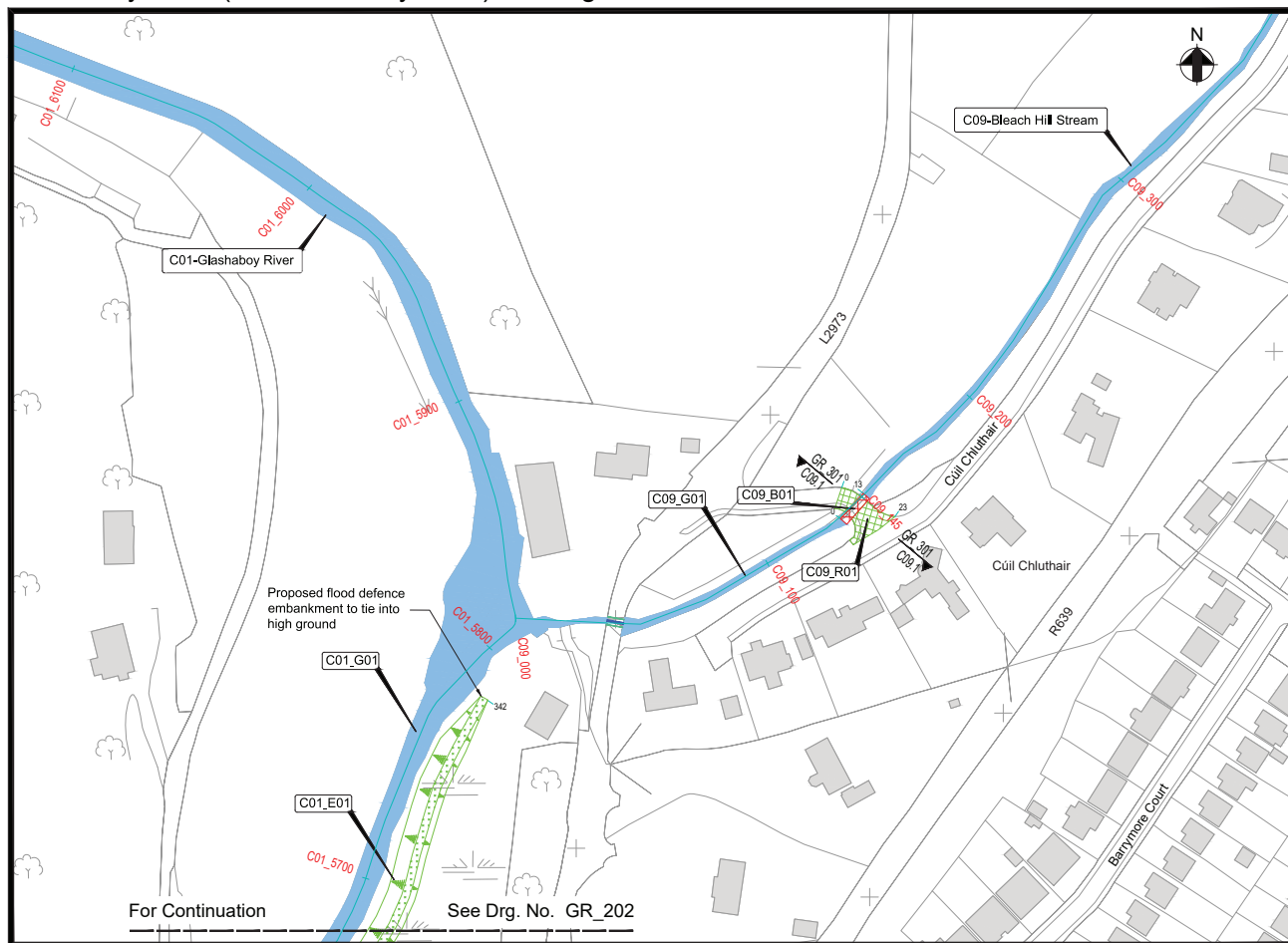


Glashaboy River (Glanmire/Sallybrook) Drainage Scheme

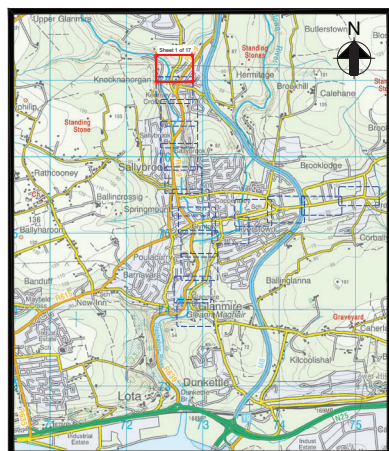
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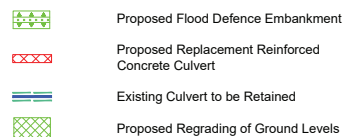
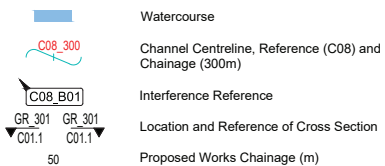
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Location Plan

A horizontal scale bar with markings at 0, 5, 10, 20, and 50 Metres. The bar is divided into segments: 0-5m (white), 5-10m (black), 10-20m (white), and 20-50m (black).

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



Key to Plan



Drg. No. GR_201 Proposed Flood Defences - Plan Layout (Sheet 1 of 17)

ARUP

Ove Arup & Partners Ireland Ltd
One Albert Quay,
Cork, Ireland.

Tel +353 (0)21 4277670
Fax +353 (0)21 4277345



24 Grove Island,
Corbally,
Co Limerick,
Ireland.

Tel. + 353 (0) 61 34546
Fax + 353 (0) 61 280146

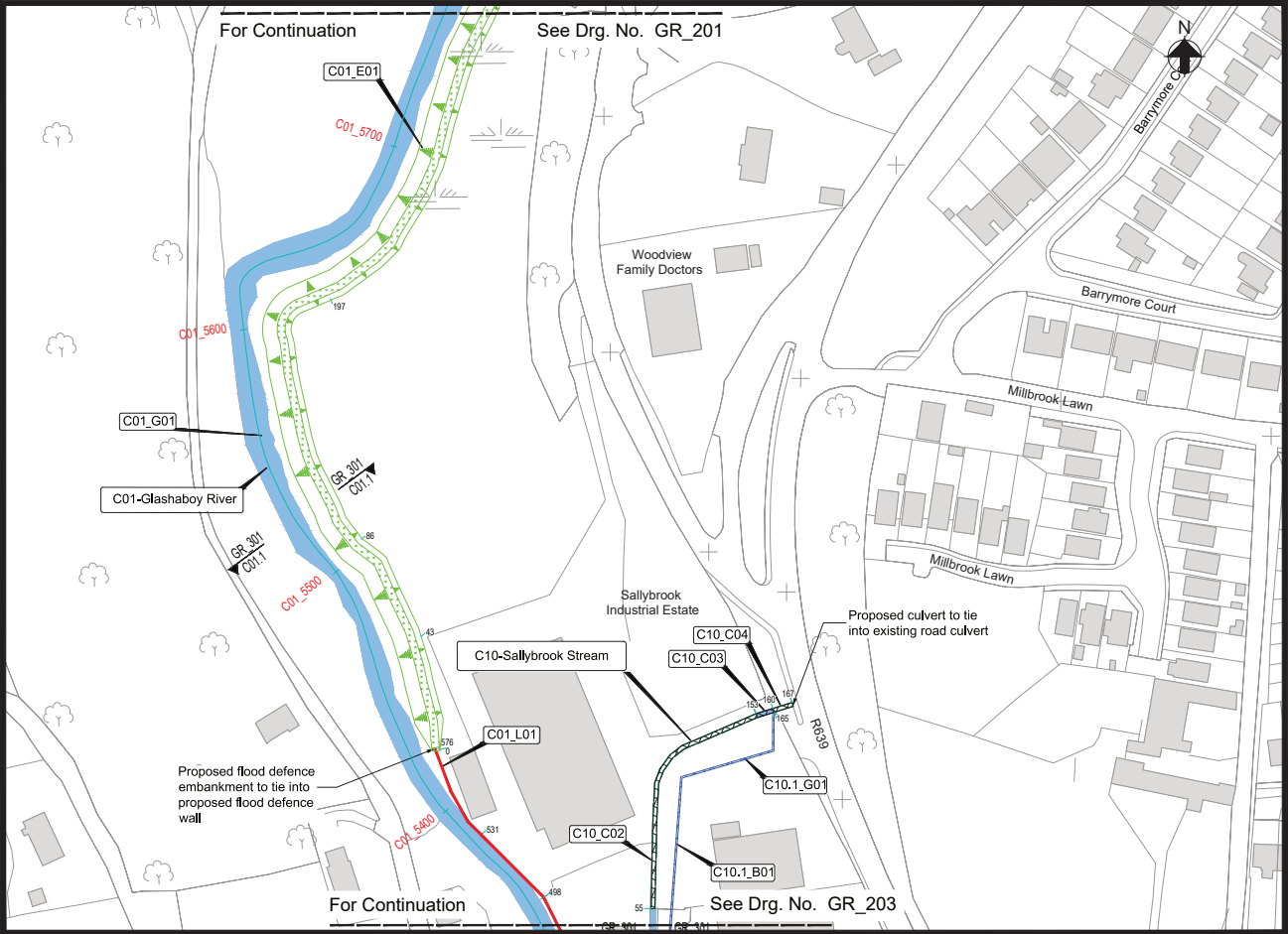


Cork County Council Headquarters
County Hall,
Carrigrohane Road,
Cork, Ireland.

Tel: +00 353 (0) 21 4276891
Fax: +00 353 (0) 21 4276321



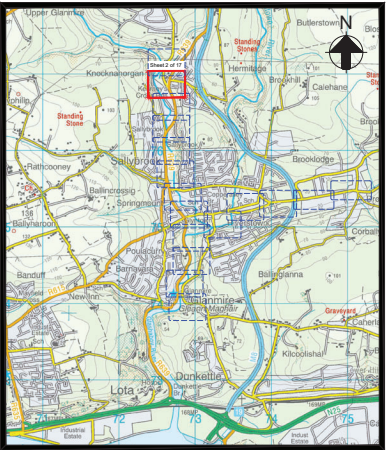
Jonathan Swift Street,
Trim,
Co. Meath,
Ireland.
Tel +353 (0) 76 11060
Fax +353 (0) 46 94817



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Location Plan

0 5 10 20 50 Metres

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



Key to Plan

- Watercourse
- Channel Centreline, Reference (C08) and Chainage (300m)
- Interference Reference
- Location and Reference of Cross Section
- Proposed Works Chainage (m)

- Proposed Flood Defence Embankment
- Proposed Flood Defence Wall
- Proposed Reinforced Concrete Culvert
- Proposed Channel Works

Interference Reference	Channel Chainage	Proposed Works Chainage (m)	General Description of Proposed Works
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).
C10.1_G01	0 to 165	-	Channel maintenance, as and when necessary over a distance of 165m from the outfall into the Glashaboy River (C01_5300) to tie into the culvert under the R639 (C10_165).
C01_E01	5645 to 5781	197 to 342	Proposed flood defence embankment to be constructed above flood defence level to 21.90mOD (typically 9m wide and to a height of 1.4m above existing ground levels). Flood defence embankment to tie into high ground.
C01_E01	5501 to 5645	86 to 197	Proposed flood defence embankment to be constructed above flood defence level to 21.73mOD (typically 10m wide and to a height of 1.71m above existing ground levels).
C01_E01	5462 to 5501	43 to 86	Proposed flood defence embankment to be constructed above flood defence level to 21.40mOD (typically 12m wide and to a height of 1.97m above existing ground levels).
C01_E01	5420 to 5462	0 to 43	Proposed flood defence embankment to be constructed above flood defence level to 21.10mOD (typically 10m wide and to a height of 1.60m above existing ground levels). Flood defence embankment to tie into proposed flood defence wall.
C01_L01	5384 to 5424	531 to 576	Proposed steel sheet pile wall to be constructed to flood defence level of 21.02mOD. Finished wall height to be typically 1.53m above existing ground levels. Flood defence wall to tie into proposed flood defence embankment. All drainage outfalls to be fitted with non-return valves.
C01_L01	5352 to 5384	498 to 531	Proposed reinforced concrete flood defence wall to be constructed to flood defence level of 20.62mOD (typically 2.20m above existing ground levels). All drainage outfalls to be fitted with non-return valves.
C01_L01	5298 to 5352	442 to 498	Proposed reinforced concrete flood defence wall to be constructed to flood defence level of 20.34mOD (typically 1.80m above existing ground levels). All drainage outfalls to be fitted with non-return valves.
C10_C04	160 to 167	160 to 167	The existing culvert is to be extinguished. Flow to be diverted through C10.1_B01.
C10_C03	153 to 160	153 to 160	Upstream flow to be diverted through a proposed reinforced concrete sealed chamber to C10.1_B01.
C10_C02	3 to 153	3 to 153	The stretch of existing culvert is to be retained but will not form part of the Drainage Scheme. Upstream flow to be diverted through C10.1_B01.
C10.1_B01	0 to 165	0 to 165	Channel C10 to be realigned along the line of C10.1. The Stream is to be culverted in a 900mm diameter concrete culvert from chainage zero at the outfall into the Glashaboy River at C01_5300, which will be a free flowing outlet. The culvert will extend as far back as works chainage 165 where it will tie into the culvert which crosses under the R639. All drainage outfalls within the culvert will be fitted with a non-return valve.

- Notes:
- Do not scale from drawing.
 - This drawing should be read in conjunction with all other Glashaboy River (Glanmire/Sallybrook) Drainage Scheme Confirmation Drawings and Schedules.
 - All sections on this drawing are taken looking downstream.

Drg. No. GR_202 Proposed Flood Defences - Plan Layout (Sheet 2 of 17)

Key Plan

ARUP

One Arup & Partners Ireland Ltd.,
One Albert Quay,
Cork, Ireland.
Tel +353 (0)21 4272670
Fax +353 (0)21 4272945

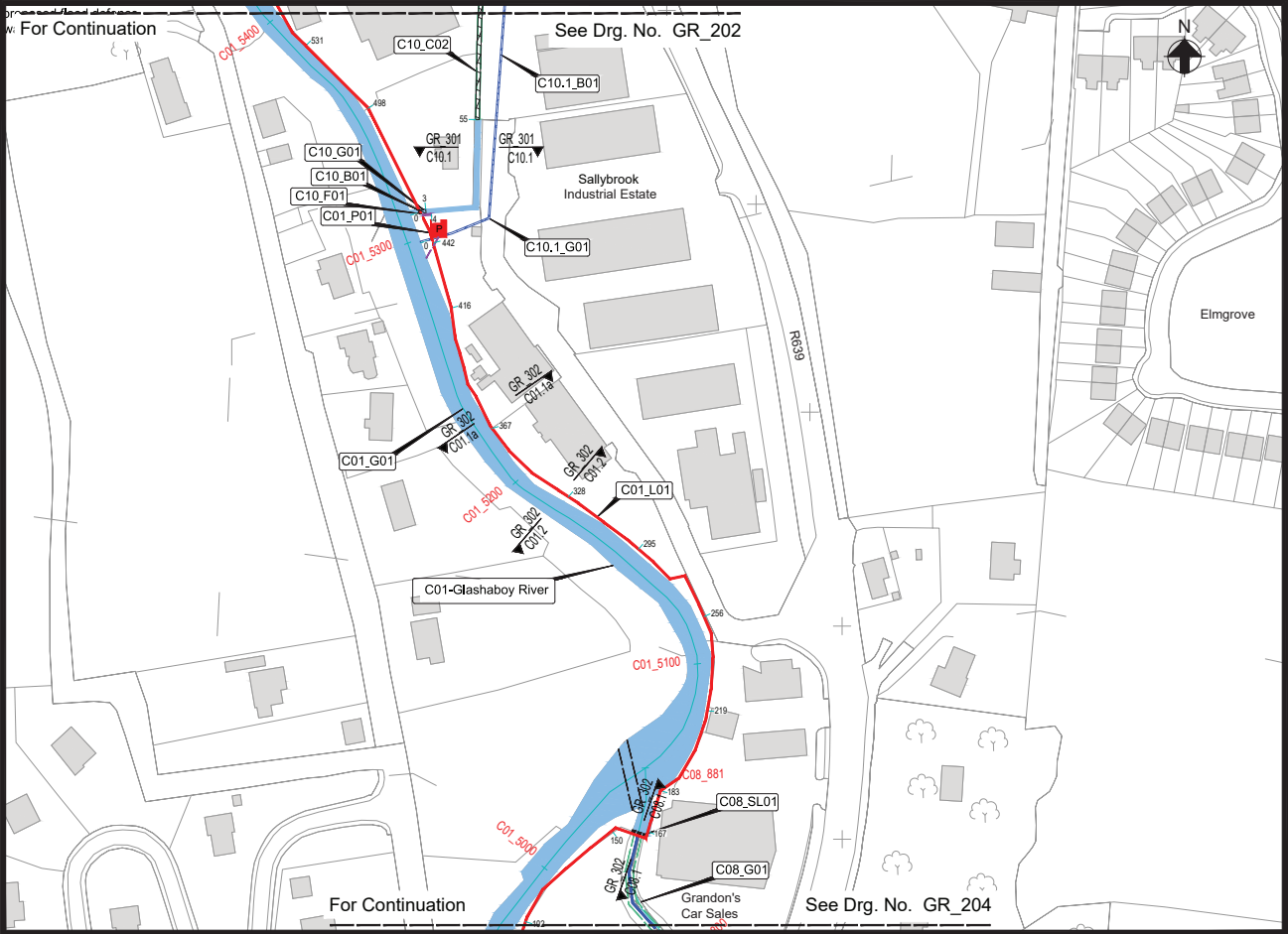
JBA
consulting

24 Grove Island,
Cork, Ireland.
Tel +353 (0)21 4272681
Fax +353 (0)21 4272682

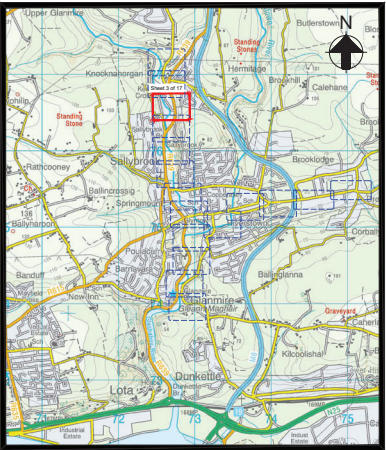
Cork County Council Headquarters,
County Hall,
Cork, Ireland.
Tel +353 (0)21 4272681
Fax +353 (0)21 4272682

Jonathan Swift Street,
Cork, Ireland.
Tel +353 (0)21 4272681
Fax +353 (0)21 4272682

OPW
Tel +353 (0)21 4272681
Fax +353 (0)21 4272682



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Location Plan



Key Plan

Key to Plan

- Watercourse
- Channel Centreline, Reference (C08) and Chainage (300m)
- Interference Reference
- Location and Reference of Cross Section
- Proposed Works Chainage (m)
- Existing Weir to be retained
- Proposed Flood Defence Wall
- Existing Culvert to be Retained
- Proposed Reinforced Concrete Culvert
- Proposed Flow Control Structure
- Proposed Rising Main (Surface Water)
- Proposed Pumping Station (Surface Water)
- Proposed Channel Works
- Proposed Boundary Works

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

Interference Reference	Channel Chainage	Proposed Works Chainage (m)	General Description of Proposed Works
C01_L01	5384 to 5424	531 to 576	Proposed steel sheet pile wall to be constructed to flood defence level of 21.02mOD. Finished wall height to be typically 1.53m above existing ground levels. Flood defence wall to tie into proposed flood defence embankment. All drainage outfalls to be fitted with non-return valves.
C01_L01	5352 to 5384	498 to 531	Proposed reinforced concrete flood defence wall to be constructed to flood defence level of 20.62mOD (typically 2.20m above existing ground levels). All drainage outfalls to be fitted with non-return valves.
C01_L01	5298 to 5352	442 to 498	Proposed reinforced concrete flood defence wall to be constructed to flood defence level of 20.34mOD (typically 1.80m above existing ground levels). All drainage outfalls to be fitted with non-return valves.
C01_L01	5272 to 5298	416 to 442	Proposed reinforced concrete flood defence wall to be constructed to flood defence level of 20.05mOD (typically 1.30m above existing ground levels). All drainage outfalls to be fitted with non-return valves.
C01_L01	5222 to 5272	367 to 416	Proposed steel sheet pile wall to be constructed to a flood defence level of 20.05mOD (typically 1.40m above existing ground levels). All drainage outfalls to be fitted with non-return valves.
C01_L01	5182 to 5222	328 to 367	Proposed reinforced concrete flood defence wall to be constructed to flood defence level of 19.63mOD (typically 1.33m above existing ground levels). All drainage outfalls to be fitted with non-return valves.
C01_L01	5149 to 5182	295 to 328	Proposed reinforced concrete flood defence wall to be constructed to flood defence level of 19.42mOD (typically 1.30m above existing ground levels). All drainage outfalls to be fitted with non-return valves.
C01_L01	5116 to 5149	256 to 295	Proposed reinforced concrete flood defence wall to be constructed to flood defence level of 19.06mOD (typically 1.10m above existing ground levels). All drainage outfalls to be fitted with non-return valves.
C01_L01	5083 to 5116	219 to 256	Proposed reinforced concrete flood defence wall to be constructed to flood defence level of 18.70mOD (typically 0.80m above existing ground levels). All drainage outfalls to be fitted with non-return valves.
C01_L01	5030 to 5083	150 to 219	Proposed reinforced concrete flood defence wall to be constructed to flood defence level of 18.58mOD (typically 0.90m above existing ground levels). All drainage outfalls to be fitted with non-return valves.
C01_L01	4978 to 5030	102 to 150	Proposed reinforced concrete flood defence wall to be constructed to flood defence level of 18.50mOD (typically 1.60m above existing ground levels). All drainage outfalls to be fitted with non-return valves.
C01_L01	4936 to 4978	64 to 102	Proposed reinforced concrete flood defence wall to be constructed to flood defence level of 18.19mOD (typically 1.45m above existing ground levels). All drainage outfalls to be fitted with non-return valves.
C10_C02	3 to 153	3 to 153	The stretch of existing culvert is to be retained. Upstream flow to be diverted through C10.1_B01.
C10_F01	3 to 7	0 to 4	Proposed boundary fence to be provided over proposed culvert. Proposed fence to tie into the proposed flood defence wall at western end.
C10_B01	0 to 3	0 to 3	The existing stretch of open channel is to be culverted through a proposed 900mm diameter concrete culvert and will outfall into the Glashaboy River at C01_5311. All drainage outfalls to be fitted with non-return valves. Upstream flow to be diverted through C10.1_B01.
C10.1_B01	0 to 165	0 to 165	Channel C10 to be realigned along the line of C10.1. The Stream is to be culverted in a 900mm diameter concrete culvert from chainage zero at the outfall into the Glashaboy River at C01_5300, which will be a free flowing outlet. The culvert will extend as far back as works chainage 165 where it will tie into the culvert which crosses under the R639. All drainage outfalls within the culvert will be fitted with a non-return valve.
C01_P01	5300	-	Proposed local surface water pumping station, collector drain, manhole and rising main to be installed for operation during a flood event at C01_5300. All outlets to be fitted with non-return valves.
C08_SL01	857	-	Proposed flow control structure on the Mill Race. The structure will be fitted with a penstock to facilitate maintenance of the Mill Race. A base flow will be maintained in the Mill Race at all times.
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).
C08_G01	0 to 881	-	Channel maintenance, as and when necessary over a distance of 881m from the confluence of the Glashaboy River and Mill Race 3 (C08_000) and the bifurcation of the Glashaboy River and Mill Race 3 (C08_881).
C10.1_G01	0 to 165	-	Channel maintenance, as and when necessary over a distance of 165m from the outfall into the Glashaboy River (C01_5300) to tie into the culvert under the R639 (C10_165).
C10_G01	0 to 3	0 to 3	Channel maintenance, as and when necessary over a distance of 3m from the confluence of the Sallybrook Stream and the Glashaboy River (C01_5312) to the proposed culvert (C10_B01).

- Notes:
- Do not scale from drawing.
 - This drawing should be read in conjunction with all other Glashaboy River (Glanmire/Sallybrook) Drainage Scheme Confirmation Drawings and Schedules.
 - All sections on this drawing are taken looking downstream, except C08.1 which is looking to the east.

Drg. No. GR_203 Proposed Flood Defences - Plan Layout (Sheet 3 of 17)

ARUP

One Arup & Partners Ireland Ltd.,
One Albert Quay,
Cork, Ireland.
Tel +353 (0)1 4372070
Fax +353 (0)1 4272945

JBA
consulting

24 Grove Island,
Cork, Ireland.
Tel +353 (0)1 846463
Fax +353 (0)1 285946

Cork County Council Headquarters,
County Hall,
Carrigrohane Road,
Cork, Ireland.

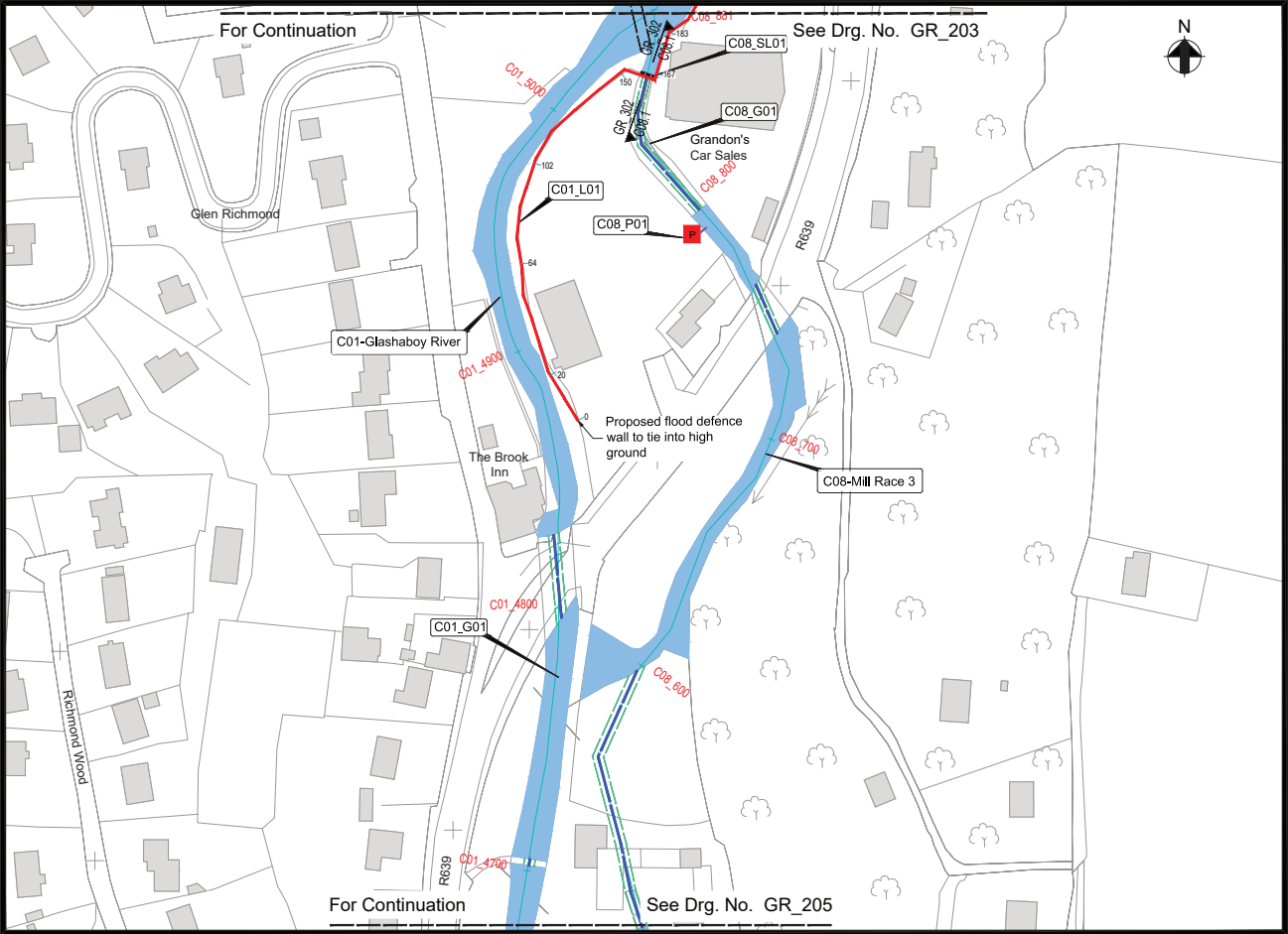
Tel +353 (0)1 21 4278891
Fax +353 (0)1 21 4278321

OPW
The Office of Public Works

Jonathan Swift Street,
Tralee, Co. Kerry,
Ireland.
Tel +353 (0)1 76 1196000
Fax +353 (0)1 46 9481793

Glashaboy River (Glanmire/Sallybrook) Drainage Scheme

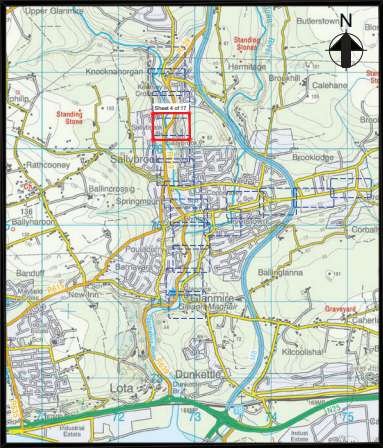
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Location Plan



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



Key Plan

- Key to Plan**
- Watercourse
 - Channel Centreline, Reference (C08) and Chainage (300m)
 - Interference Reference
 - Location and Reference of Cross Section
 - Proposed Works Chainage (m)
 - Proposed Flood Defence Wall
 - Existing Culvert to be Retained
 - Proposed Flow Control Structure
 - Existing Weir to be Retained
 - Proposed Pumping Station (Surface Water)
 - Proposed Rising Main (Surface Water)

Interference Reference	Channel Chainage	Proposed Works Chainage (m)	General Description of Proposed Works
C01_L01	5030 to 5083	150 to 219	Proposed reinforced concrete flood defence wall to be constructed to flood defence level of 18.58mOD (typically 0.90m above existing ground levels). All drainage outfalls to be fitted with non-return valves.
C01_L01	4978 to 5030	102 to 150	Proposed reinforced concrete flood defence wall to be constructed to flood defence level of 18.50mOD (typically 1.60m above existing ground levels). All drainage outfalls to be fitted with non-return valves.
C01_L01	4936 to 4978	64 to 102	Proposed reinforced concrete flood defence wall to be constructed to flood defence level of 18.19mOD (typically 1.45m above existing ground levels). All drainage outfalls to be fitted with non-return valves.
C01_L01	4886 to 4936	20 to 64	Proposed reinforced concrete flood defence wall to be constructed to flood defence level of 17.87mOD (typically 1.20m above existing ground levels). All drainage outfalls to be fitted with non-return valves.
C01_L01	4869 to 4886	0 to 20	Proposed reinforced concrete flood defence wall to be constructed to flood defence level of 17.55mOD (typically 0.80m above existing ground levels). All drainage outfalls to be fitted with non-return valves. Proposed flood defence wall to tie into high ground.
C08_SL01	857	-	Proposed flow control structure on the Mill Race. The structure will be fitted with a penstock to facilitate maintenance of the Mill Race. A base flow will be maintained in the Mill Race at all times.
C08_P01	790	-	Proposed local surface water pumping station, collector drain, manhole and rising main to be installed for operation during a flood event at C08_790. All outlets to be fitted with non-return valves.
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).
C08_G01	0 to 881	-	Channel maintenance, as and when necessary over a distance of 881m from the confluence of the Glashaboy River and Mill Race 3 (C08_000) and the bifurcation of the Glashaboy River and Mill Race 3 (C08_881).

- Notes:
- Do not scale from drawing.
 - This drawing should be read in conjunction with all other Glashaboy River (Glanmire/Sallybrook) Drainage Scheme Confirmation Drawings and Schedules.
 - Section C08.1 faces eastward.

Drg. No. GR_204 Proposed Flood Defences - Plan Layout (Sheet 4 of 17)

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Cork, Ireland.



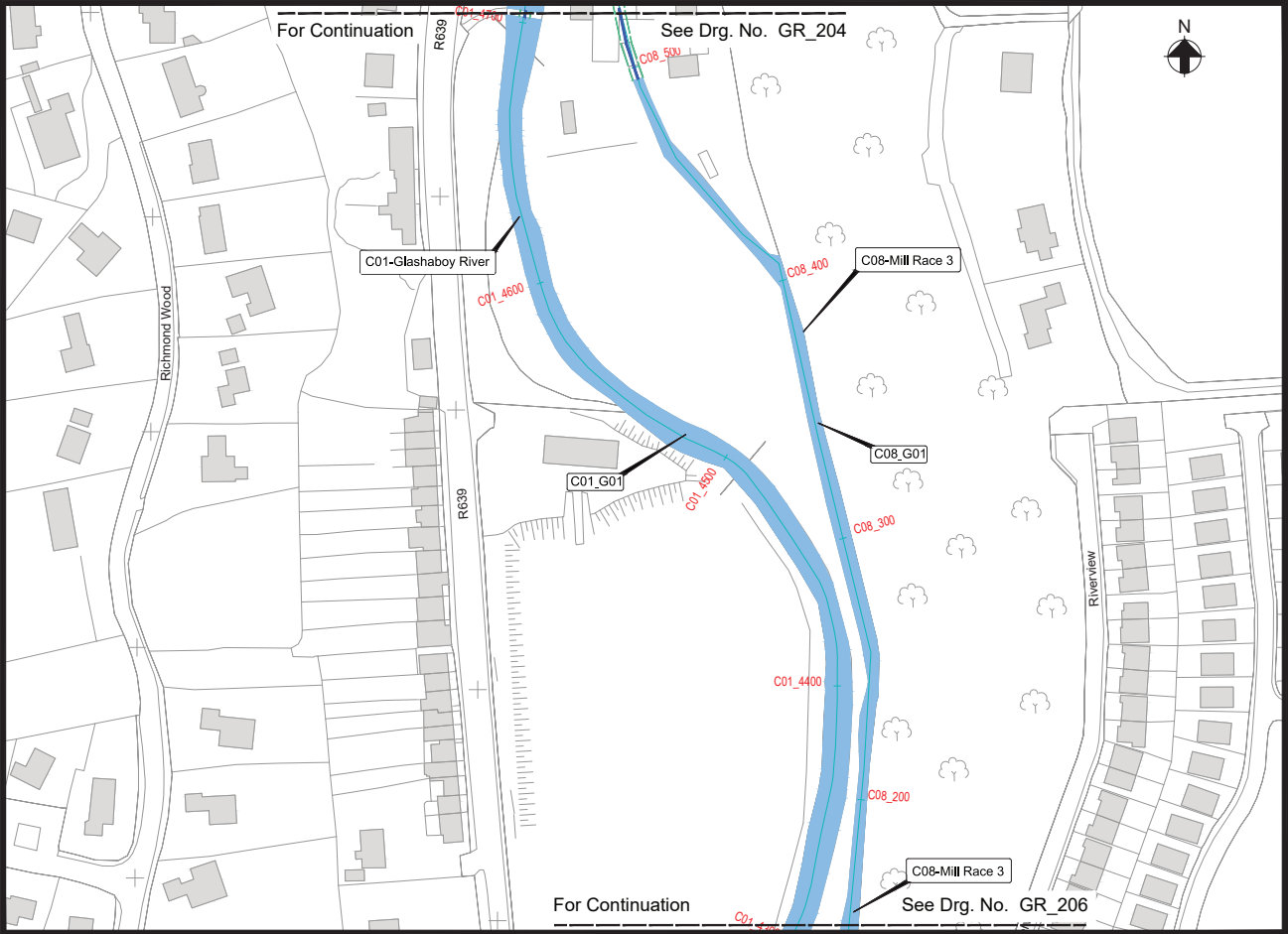
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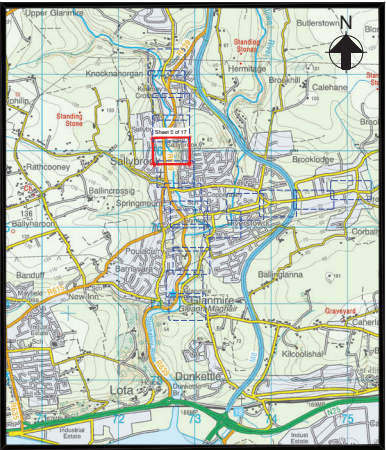
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Location Plan



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



Key Plan

Key to Plan

- Watercourse
- Channel Centreline, Reference (C08) and Chainage (300m)
- Interference Reference
- Existing Culvert To Be Retained

Interference Reference	Channel Chainage	Proposed Works Chainage (m)	General Description of Proposed Works
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).
C08_G01	0 to 881	-	Channel maintenance, as and when necessary over a distance of 881m from the confluence of the Glashaboy River and Mill Race 3 (C08_000) and the bifurcation of the Glashaboy River and Mill Race 3 (C08_881).

- Notes:
- Do not scale from drawing.
 - This drawing should be read in conjunction with all other Glashaboy River (Glanmire/Sallybrook) Drainage Scheme Confirmation Drawings and Schedules.

Drg. No. GR_205 Proposed Flood Defences - Plan Layout (Sheet 5 of 17)

ARUP

One Arup & Partners Ireland Ltd.,
One Albert Quay,
Cork, Ireland.
Tel +353 (0)1 4277670
Fax +353 (0)1 4272945



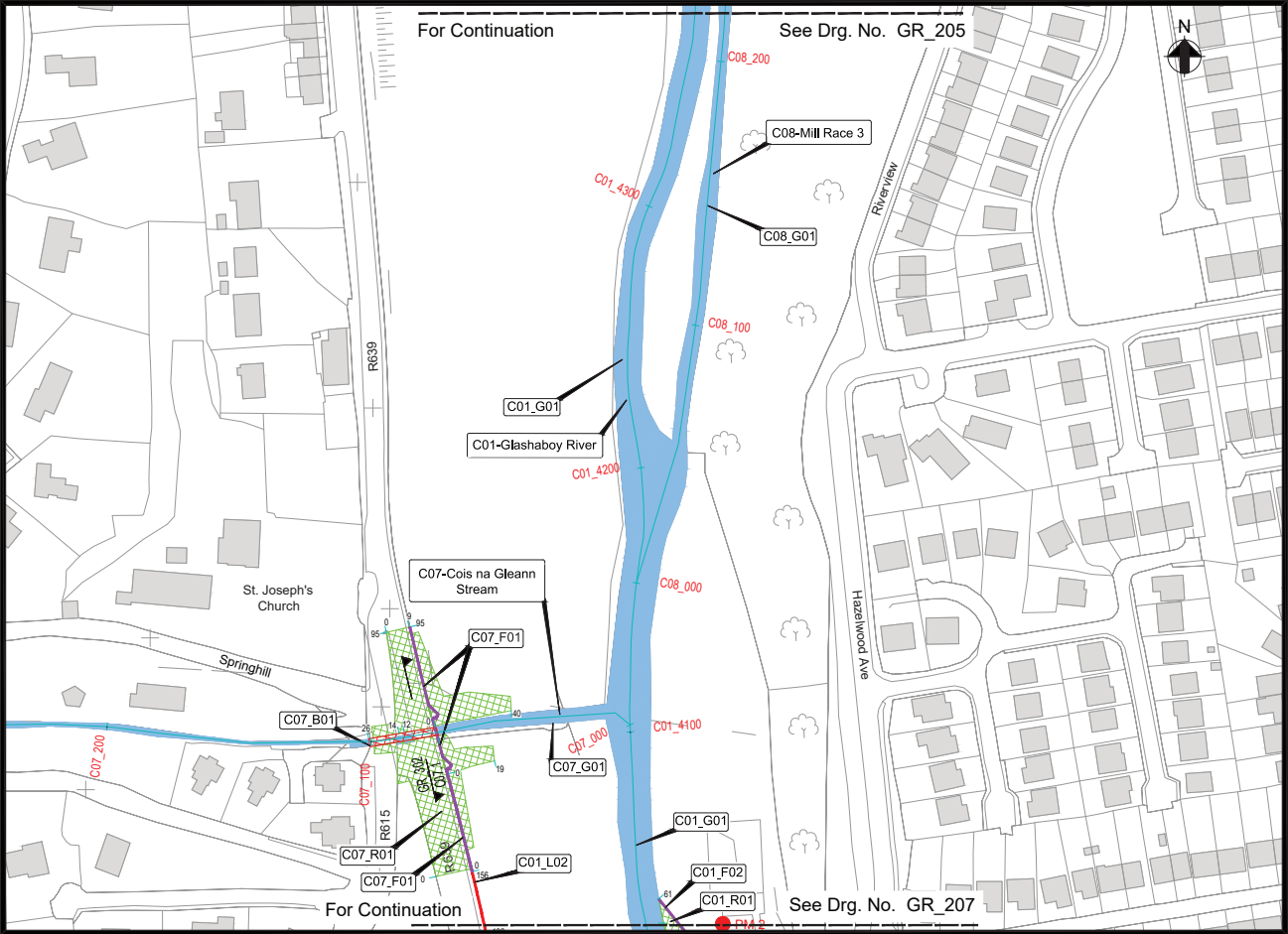
24 Grove Island,
Cork City,
Co. Cork,
Ireland.
Tel +353 (0)1 854643
Fax +353 (0)1 285146



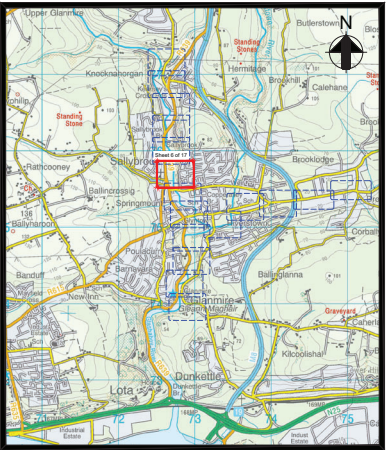
Cork County Council Headquarters,
County Hall,
Carrigrohane Road,
Cork, Ireland.
Tel +353 (0)21 4278891
Fax +353 (0)21 4278321



Jonathan Swift Street,
Tins,
Co. Meath,
Ireland.
Tel +353 (0)1 76 1198000
Fax +353 (0)1 46 9481793



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Location Plan



Key Plan

- Key to Plan
- Watercourse
 - Channel Centreline, Reference (C08) and Chainage (300m)
 - Interference Reference
 - Location and Reference of Cross Section
 - Proposed Works Chainage (m)
 - Proposed Flood Defence Wall
 - Proposed Replacement Concrete Culvert
 - Proposed Regrading of Ground Levels
 - Proposed Boundary works
 - Photomontage (Location, Orientation and No.)

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

Interference Reference	Channel Chainage	Proposed Works Chainage (m)	General Description of Proposed Works
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).
C08_G01	0 to 881	-	Channel maintenance, as and when necessary over a distance of 881m from the confluence of the Glashaboy River and Mill Race 3 (C08_000) and the bifurcation of the Glashaboy River and Mill Race 3 (C08_881).
C07_G01	0 to 111	-	Channel maintenance, as and when necessary over a distance of 111m from the confluence of the Cois na Gleann Stream and Glashaboy River (C07_000) to 10m upstream of the replacement culvert at C07_111.
C07_B01	75 to 87	0 to 12	Existing culvert to be replaced with a proposed 2.75m wide by 0.9m high rectangular culvert. Service diversions associated with the culvert reconstruction will be required locally.
C07_B01	87 to 89	12 to 14	Existing open channel section to be culverted with a proposed 2.75m wide by 0.9m high rectangular culvert. Service diversions associated with the culvert reconstruction will be required locally.
C07_B01	89 to 101	14 to 26	Existing culvert to be replaced with a proposed 2.75m wide by 0.9m high rectangular culvert. Existing trashscreen upstream to be removed from the culvert. Service diversions associated with the culvert reconstruction will be required locally.
C07_R01	46 to 99	0 to 95	Proposed road regrading on the R639 to facilitate the construction of the replacement Cois Na Gleann Stream culvert under the R639 road.
C07_F01	4047 to 4140	0 to 95	Existing stone wall to be replaced with a proposed 1.20m high wall. Vehicular access to be provided from the R639 to the Circus Field and Glanmire GAA club .
C01_L02	4024 to 4047	132 to 156	Proposed reinforced concrete flood defence wall to be constructed to flood defence level of 13.61mOD (typically 0.50m above existing footpath level). All drainage outfalls to be fitted with non-return valves.
C01_F02	3995 to 4036	0 to 61	Proposed fencing and access gate to be provided around the open channel for safety/security.
C01_R01	3995 to 4050	0 to 61	Proposed flood relief channel to be constructed with engineered grassed slopes.

- Notes:
- Do not scale from drawing.
 - This drawing should be read in conjunction with all other Glashaboy River (Glanmire/Sallybrook) Drainage Scheme Confirmation Drawings and Schedules.
 - Section C07.1 faces eastwards.

Drg. No. GR_206 Proposed Flood Defences - Plan Layout (Sheet 6 of 17)

ARUP

One Arup & Partners Ireland Ltd.,
One Albert Quay,
Cork, Ireland.
Tel +353 (0)1 4272670
Fax +353 (0)1 4272645



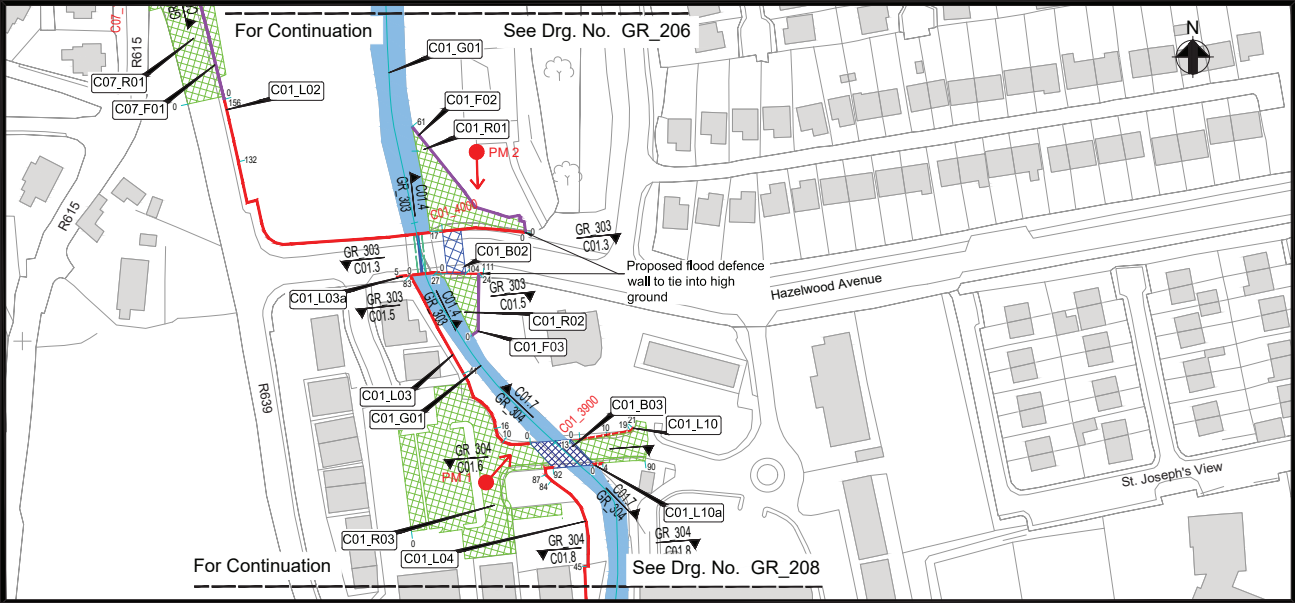
24 Grove Island,
Cork, Ireland.
Tel +353 (0)1 845483
Fax +353 (0)1 285146



Cork County Council Headquarters,
County Hall,
Carrigrohane Road,
Cork, Ireland.
Tel +353 (0)21 4278891
Fax +353 (0)21 4278321



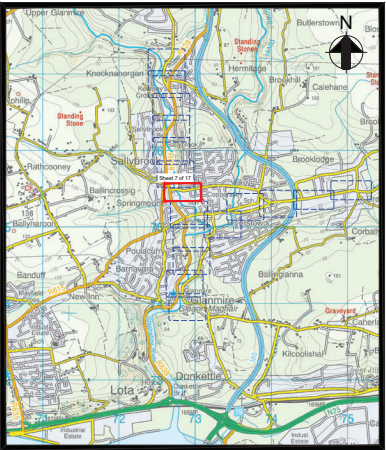
Jonathan Swift Street,
Tins, Co. Meath,
Ireland.
Tel +353 (0)1 76 1198000
Fax +353 (0)1 46 9481793



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Location Plan



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



Key Plan

Key to Plan

	Watercourse		Proposed New Bridge
	Channel Centreline, Reference (C08) and Chainage (300m)		Proposed Regrading of Ground Levels
	Photomontage (Location, Orientation and No.)		Existing Culvert To Be Retained
	Interference Reference		Proposed Reinforced Concrete Culvert
	Location and Reference of Cross Section		Proposed Replacement Reinforced Concrete Culvert
	Proposed Works Chainage (m)		Proposed Boundary works
	Proposed Retaining Wall		
	Proposed Channel Works		

Interference Reference	Channel Chainage	Proposed Works Chainage (m)	General Description of Proposed Works
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).
C07_R01	46 to 99	0 to 95	Proposed road regrading on the R639 to facilitate the construction of the replacement Cois Na Gleann Stream culvert under the R639 road.
C07_F01	4047 to 4140	0 to 95	Existing stone wall to be replaced with a new 1.20m high wall. Vehicular access to be provided from the R639 to the Circus Field and Glanmire GAA club.
C01_L02	4024 to 4047	132 to 156	Proposed reinforced concrete flood defence wall to be constructed to flood defence level of 13.61mOD (typically 0.50m above existing footpath level). All drainage outfalls to be fitted with non-return valves.
C01_L02	3995 to 4024	0 to 132	Proposed reinforced concrete flood defence wall to be constructed to flood defence level of 13.50mOD (typically 1.30m above existing footpath level). All drainage outfalls to be fitted with non-return valves.
C01_F02	3995 to 4036	0 to 61	Fencing and lockable access gate to be provided around the open channel for safety/security.
C01_R01	3995 to 4036	0 to 61	Proposed flood relief channel to be constructed with engineered grassed slopes.
C01_B02	3978 to 3995	0 to 17	Proposed 6.2m wide by 1.55m high rectangular flood relief culvert to be constructed. Service diversions associated with the culvert construction will be required.
C01_F03	3951 to 3980	0 to 24	Fencing and lockable access gate to be provided around the open channel for safety/security.
C01_R02	3951 to 3980	0 to 27	Proposed flood relief channel to be constructed with engineered grassed slopes.
C01_L03a	3980	0 to 5	Proposed reinforced concrete flood defence wall to be constructed to 13.20mOD (typically 1.20m above existing ground levels). All drainage outfalls to be fitted with non-return valves.
C01_L03	3980	104 to 111	Proposed reinforced concrete flood defence wall to be constructed above flood defence level to 13.70mOD (typically 1.20m above existing ground levels). All drainage outfalls to be fitted with non-return valves. Service diversions associated with the wall construction will be required.
C01_L03	3980	83 to 104	Proposed reinforced concrete flood defence wall to be constructed above flood defence level to 13.30mOD (typically 1.20m above existing ground levels). All drainage outfalls to be fitted with non-return valves.
C01_L03	3941 to 3980	41 to 83	Proposed reinforced concrete flood defence wall to be constructed to 12.71mOD flood defence level (typically 1.45m above existing ground levels). All drainage outfalls to be fitted with non-return valves.
C01_L03	3916 to 3941	16 to 41	Proposed reinforced concrete flood defence wall to be constructed above flood defence level to 12.74mOD (typically 1.25m above existing ground levels). All drainage outfalls to be fitted with non-return valves.
C01_L03	3911 to 3916	10 to 16	Proposed reinforced concrete flood defence wall to be constructed above flood defence level to 12.92mOD (typically 1.34m above existing ground levels). All drainage outfalls to be fitted with non-return valves.
C01_L03	3901 to 3911	0 to 10	Proposed reinforced concrete flood defence wall to be constructed above flood defence level to 13.10mOD (typically 1.52m above existing ground levels). All drainage outfalls to be fitted with non-return valves.
C01_R03	3852 to 3933	0 to 90	Regrading of existing ground to facilitate the construction of the proposed new bridge. Ground levels to tie into existing levels on either side of the proposed bridge. Service diversions associated with road regrading will be required.
C01_B03	3888 to 3901	0 to 13	Replace existing bridge with a new reinforced concrete bridge. Bridge to be 13.50m clear span. Proposed bridge soffit level to be 12.3mOD (approximately 1.85m above existing bridge soffit).
C01_L10	3900	0 to 10	Proposed reinforced concrete retaining wall to be constructed to 13.35mOD (typically 1.87m above existing road levels).
C01_L10	3899	10 to 19	Proposed reinforced concrete retaining wall to be constructed to 12.75mOD (typically 1.00m above existing road levels).
C01_L10	3898	19 to 21	Proposed reinforced concrete retaining wall to be constructed to 12.55mOD (typically 0.51m above existing road levels).
C01_L10a	3887	0 to 4	Proposed reinforced concrete retaining wall to be constructed to 13.35mOD (typically 1.48m above existing road levels).
C01_L04	3885 to 3887	87 to 92	Proposed reinforced concrete flood defence wall to be constructed above flood defence level to 13.35mOD (typically 1.81m above existing ground levels in the funeral home car park). The flood defence wall is to tie into the proposed bridge at the upstream end. All drainage outfalls to be fitted with non-return valves.
C01_L04	3883 to 3885	84 to 87	Proposed reinforced concrete flood defence wall to be constructed above flood defence level to 12.85mOD (typically 1.32m above existing ground levels in the funeral home car park). All drainage outfalls to be fitted with non-return valves.
C01_L04	3843 to 3883	45 to 84	Proposed reinforced concrete flood defence wall to be constructed to 12.21mOD flood defence level (typically 1.41m above existing ground levels in the funeral home car park). All drainage outfalls to be fitted with non-return valves.
C01_L04	3806 to 3843	8 to 45	Proposed reinforced concrete flood defence wall to be constructed to 11.93mOD flood defence level (typically 1.33m above existing ground levels in the funeral home car park). All drainage outfalls to be fitted with non-return valves.

Notes:
1. Do not scale from drawing.
2. This drawing should be read in conjunction with all other Glashaboy River (Glanmire/Sallybrook) Drainage Scheme Confirmation Drawings and Schedules.
3. Sections C01.4 & C01.7 face eastwards.

Drg. No. GR_207 Proposed Flood Defences - Plan Layout (Sheet 7 of 17)

ARUP

One Arup & Partners Ireland Ltd.,
One Albert Quay,
Cork, Ireland.
Tel +353 (0)21 4272070
Fax +353 (0)21 4272045



24 Grove Island,
Cork City,
Cork, Ireland.
Tel +353 (0)21 4278891
Fax +353 (0)21 4278821



Cork County Council Headquarters,
County Hall,
Cork, Ireland.
Tel +353 (0)21 4278891
Fax +353 (0)21 4278821

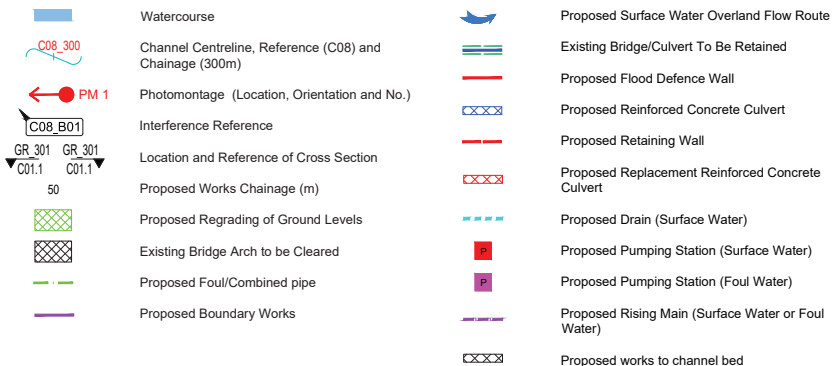


Jonathan Swift Street,
Tralee,
Co. Kerry,
Ireland.
Tel +353 (0)51 948193
Fax +353 (0)51 9481738

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Key to Plan

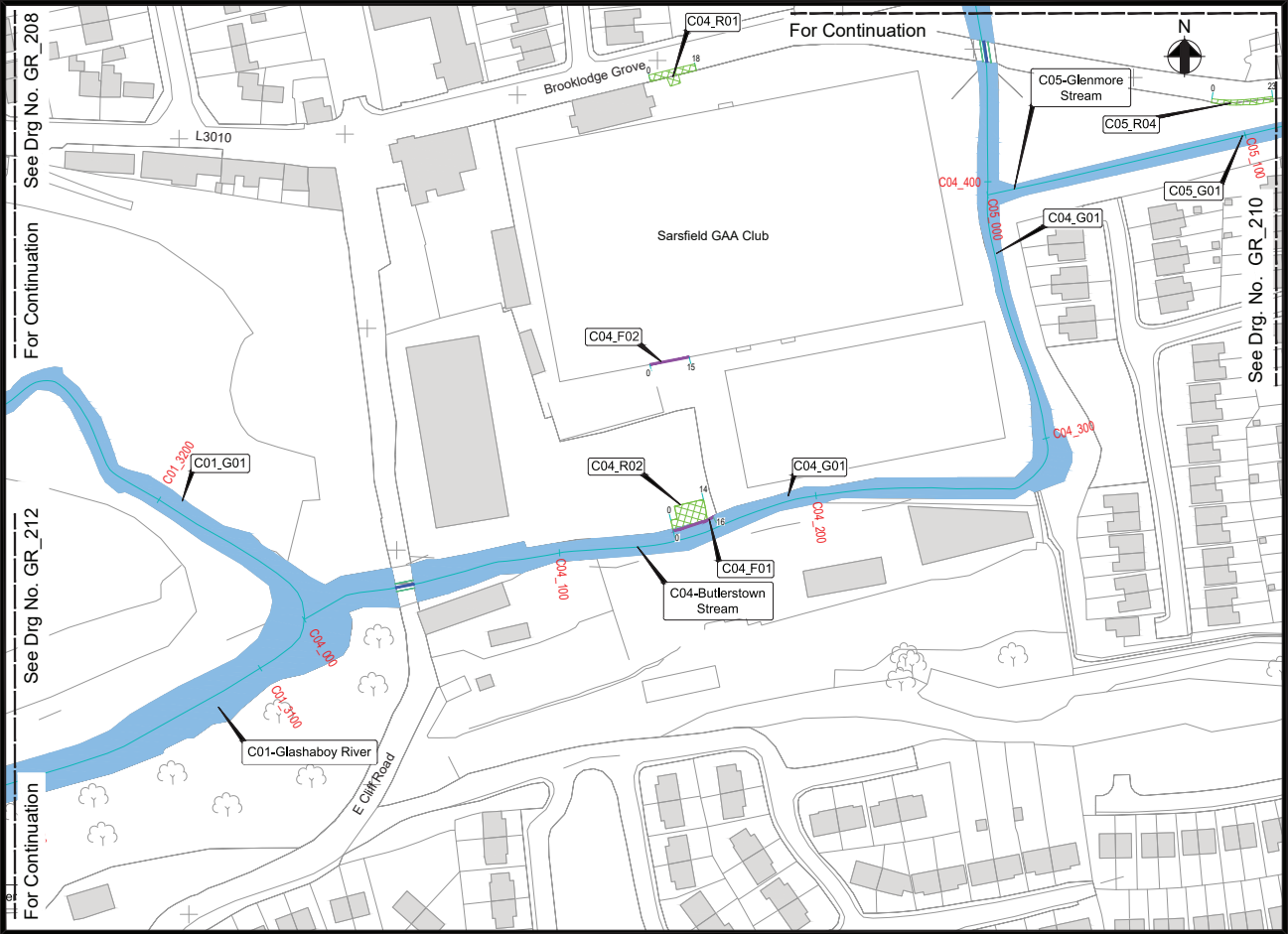


Interference Reference	Channel Chainage	Proposed Works Chainage (m)	General Description of Proposed Works
C06_G01	0 to 116	-	Channel maintenance, as and when necessary over a distance of 116m from the confluence of the Springmount Stream and the Glashaboy River (C06_000) and 10m upstream of the proposed culvert (C06_116).
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 (C001_5815).
C01_L04	3806 to 3843	8 to 45	Proposed reinforced concrete flood defence wall to be constructed to 11.93mOD flood defence level (typically 1.33m above existing ground levels in the funeral home car park). All drainage outfalls to be fitted with non-return valves.
C01_L04	3796 to 3806	0 to 8	Proposed reinforced concrete flood defence wall to be constructed to 11.59mOD flood defence level (typically 1.05m above existing ground levels). All drainage outfalls to be fitted with non-return valves.
C06_R01	12 to 29	0 to 18	Proposed reinforced concrete flood defence wall constructed to 11.59mOD flood defence level (typically 0.95m above existing ground levels). The flood defence wall is to tie into high ground to the west. All drainage outfalls to be fitted with non-return valves.
C06_R01	87 to 106	0 to 74	Localised road regrading to facilitate the construction of the replacement Springmount Stream culvert across the R639 road.
C06_R01	73 to 105	0 to 32	Replace existing twin 0.4m diameter culverts with a new 1.75m wide by 0.9m high rectangular culvert.
C06_L02	87	0 to 48	Proposed reinforced concrete retaining wall to be constructed (typically 1.96m above existing ground levels) to retain regraded road levels.
C06_L04	100	0 to 40	Proposed reinforced concrete retaining wall to be constructed (typically 2.1m above existing ground levels) to retain raised road levels. Vehicular access to existing properties to be maintained.
C06_C01	11 to 38	0 to 26	Removal of any in-channel flow obstruction and level channel bed.
C01_P02	3804	-	Proposed local surface water pumping station, collector drain, manhole and rising main to be installed for operation during a flood event at C01_3804. All outlets to be fitted with non-return valves.
C06_L01	70 to 73	406 to 411	Proposed reinforced concrete flood defence wall to be constructed above flood defence level to 14.70mOD (typically 2.5m above existing ground levels). All drainage outfalls to be fitted with non-return valves.
C06_L01	0 to 73	329 to 406	Proposed reinforced concrete flood defence wall to be constructed to 11.59mOD flood defence level (typically 1.33m above existing ground levels). All drainage outfalls to be fitted with non-return valves.
C01_L05	3716 to 3782	258 to 329	Proposed reinforced concrete flood defence wall to be constructed to 11.59mOD flood defence level (typically 1.50m above existing ground levels). The wall will be constructed on the Meadowbrook estate side of the existing wall to preserve the trees along the Glashaboy River bank. All drainage outfalls to be fitted with non-return valves.
C01_L05	3674 to 3716	197 to 258	Proposed reinforced concrete flood defence wall to be constructed to 11.37mOD flood defence level (typically 2.15m above existing ground levels). The wall will be constructed on the Meadowbrook estate side of the existing wall to preserve the trees along the Glashaboy River bank. All drainage outfalls to be fitted with non-return valves.
C01_L05	3595 to 3674	125 to 197	Proposed reinforced concrete flood defence wall to be constructed to 11.00mOD flood defence level (typically 2.10m above existing ground levels). The wall will be constructed on the Meadowbrook estate side of the existing wall to preserve the trees along the Glashaboy River bank. All drainage outfalls to be fitted with non-return valves.
C01_L05	3533 to 3595	83 to 125	Proposed reinforced concrete flood defence wall to be constructed to 10.67mOD flood defence level (typically 2.45m above existing ground levels). The wall will be constructed on the Meadowbrook estate side of the existing wall to preserve the trees along the Glashaboy River bank. All drainage outfalls to be fitted with non-return valves.
C01_L05	3484 to 3533	41 to 83	Proposed reinforced concrete flood defence wall to be constructed to 10.29mOD flood defence level (typically 2.38m above existing ground levels). The wall will be constructed on the Meadowbrook estate side of the existing wall to preserve the trees along the Glashaboy River bank. All drainage outfalls to be fitted with non-return valves.
C01_L05	3457 to 3484	0 to 41	Proposed reinforced concrete flood defence wall to be constructed to 9.90mOD flood defence level (typically 1.70m above existing ground levels). The wall will be constructed on the Meadowbrook estate side of the existing wall to preserve the trees along the Glashaboy River bank. All drainage outfalls to be fitted with non-return valves. Proposed wall to tie into high ground at Riverstown Bridge.
C01_P03	3444	-	Proposed local surface water pumping station, collector drain, manhole and rising main to be installed for operation during a flood event at C01_3444. All outlets to be fitted with non-return valves.
C01_P04	3443	-	Proposed foul water pumping station, with overflow manhole and rising main to be installed for operation when required to pump foul water trapped in Meadowbrook Estate during a flood event into the foul network downstream of the estate.
C01_L06	3510 to 3527	62 to 84	Proposed steel sheet pile flood defence wall to be constructed to 10.67mOD flood defence level (typically 1.07m above existing ground levels). All drainage outfalls to be fitted with non-return valves. Fence to be constructed on the dry side of the flood defence wall.
C01_L06	3467 to 3510	19 to 62	Proposed steel sheet pile flood defence wall to be constructed to 10.29mOD flood defence level (typically 0.95m above existing ground levels). All drainage outfalls to be fitted with non-return valves. Fence to be constructed on the dry side of the flood defence wall.
C01_L06	3440 to 3467	0 to 17	Proposed steel sheet pile flood defence wall to be constructed to 9.90mOD flood defence level (typically 0.90m above existing ground levels). All drainage outfalls to be fitted with non-return valves. Fence to be constructed on the dry side of the flood defence wall.
C01_R04a	3431 to 3466	0 to 55	Proposed localised road (inc. footpath) regrading and re-cambering to divert surface water runoff during a flood event southwards into the Glashaboy River.
C01_F04	3437	0 to 17	The existing Riverstown Bridge parapet wall to be modified (including localised minor stonework repairs) to provide guarding to pedestrians.
C01_R04	3426 to 3437	0 to 76	Proposed localised road regrading and re-cambering to divert surface water runoff during a flood event southwards into the Glashaboy River via O'Callaghan Park, downstream of Riverstown Bridge.
C01_R04b	3437	0 to 17	Proposed localised regrading and re-cambering of the existing footpath.
C01_C01	3433 to 3440	0 to 8	Existing bridge arch to be cleared by removing built up silt and vegetation (Left Bank).
C01_C02	3432 to 3440	0 to 8	Existing bridge arch to be cleared by removing built up silt and vegetation. Existing manhole in bridge arch to be removed and services diverted (Right Bank).

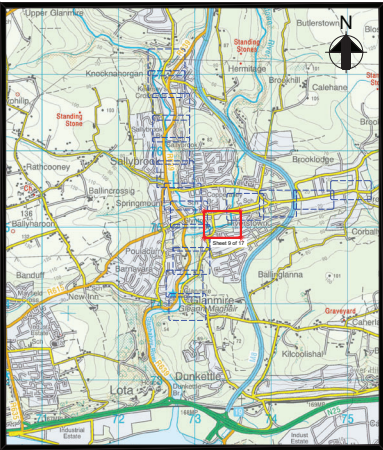
Notes:

1. Do not scale from drawing.
2. This drawing should be read in conjunction with all other Glashaboy River (Glanmire/Sallybrook) Drainage Scheme Confirmation Drawings and Schedules.
3. All sections on this drawing are taken looking downstream with the exception of C06.1 and C01.12 which face eastwards.

Drq. No. GR 208 Proposed Flood Defences - Plan Layout (Sheet 8 of 17)



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Location Plan



Key Plan

Key to Plan

- Watercourse
- Channel Centreline, Reference (C08) and Chainage (300m)
- Interference Reference
- Proposed Works Chainage (m)
- Existing Bridge/Culvert to be Retained
- Proposed Boundary Works
- Proposed Regrading of Ground Levels

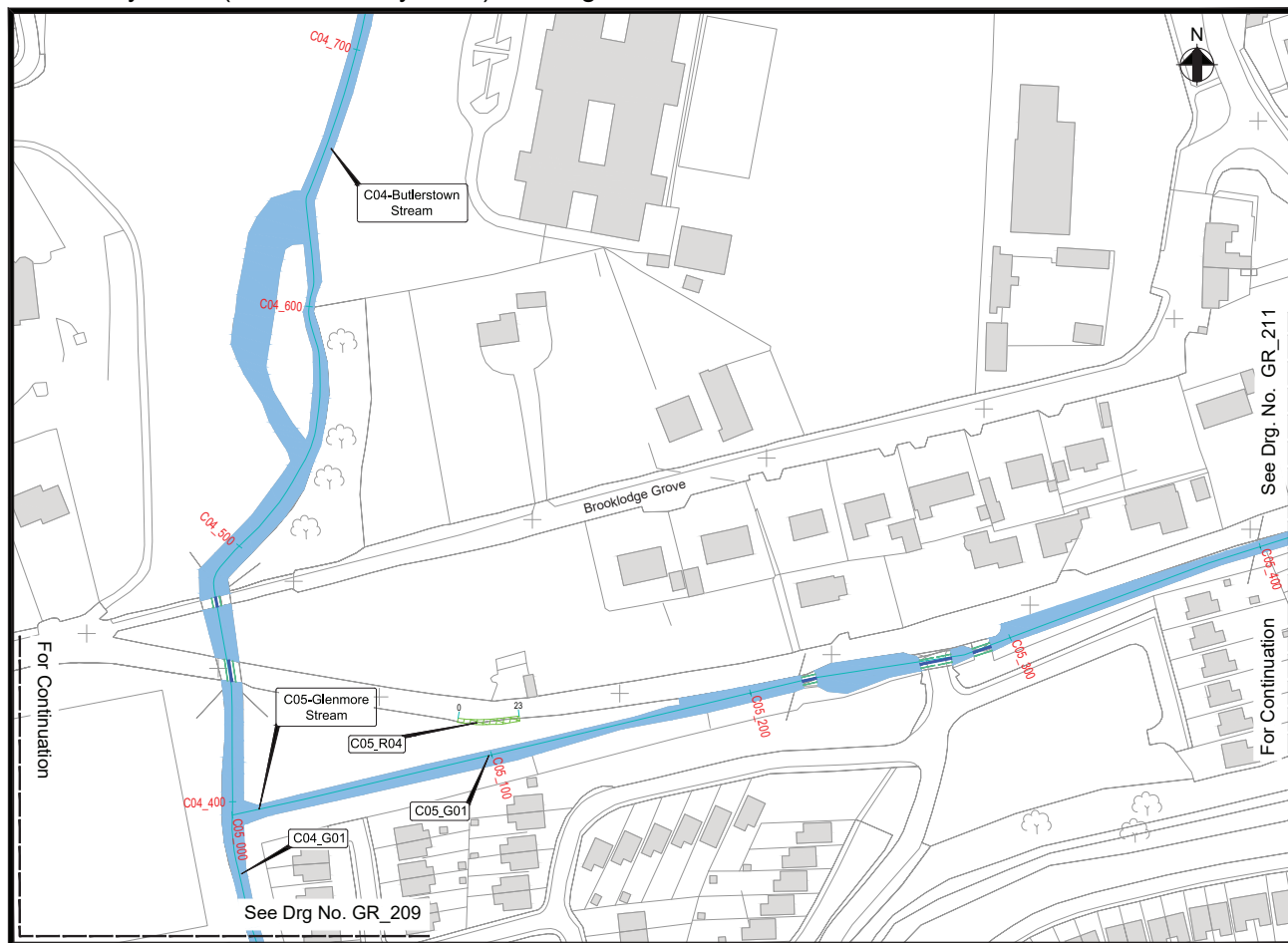
Scale 1:1,000 at A1
Scale 1:2,000 at A3

Interference Reference	Channel Chainage	Proposed Works Chainage (m)	General Description of Proposed Works
C04_R01	-	0 to 18	Proposed localised road and footpath regrading.
C04_R02	144 to 158	0 to 14	Proposed localised road and footpath regrading.
C05_R04	90 to 113	0 to 23	Minimal landscaping and regrading of ground levels, to facilitate overland flow on Brooklodge Grove back into the Glenmore Stream.
C04_F01	144 to 160	0 to 16	Existing boundary wall to be modified to allow overland flow to discharge into the Butlerstown Stream.
C04_F02	-	0 to 15	Existing boundary wall to be modified to allow overland flow to discharge into the Butlerstown Stream.
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).
C04_G01	0 to 640	-	Channel maintenance, as and when necessary over a distance of 640m from the confluence of the Butlerstown Stream and Glashaboy River (C04_000) to chainage 640 on the Butlerstown Stream.
C05_G01	0 to 1865	-	Channel maintenance, as and when necessary over a distance of 1865m from the confluence of the Glenmore Stream and the Butlerstown Stream (C05_000) to chainage 1865 on the Glenmore Stream.

- Notes:
- Do not scale from drawing.
 - This drawing should be read in conjunction with all other Glashaboy River (Glanmire/Sallybrook) Drainage Scheme Confirmation Drawings and Schedules.

Glashaboy River (Glanmire/Sallybrook) Drainage Scheme

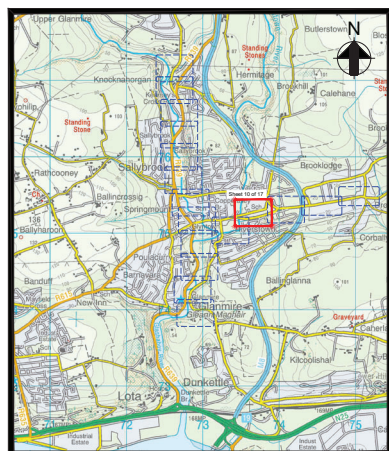
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Location Plan

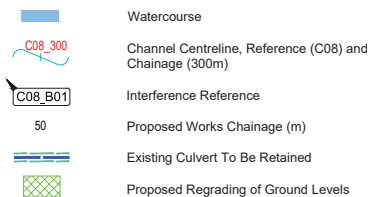


Scale 1:1,000 at A1
Scale 1:2,000 at A3



Key Plan

Key to Plan



Interference Reference	Channel Chainage	Proposed Works Chainage (m)	General Description of Proposed Works
C05_R04	90 to 113	0 to 23	Minimal landscaping and regrading of ground levels, to facilitate overland flow on Brooklodge Grove back into the Glenmore Stream.
C04_G01	0 to 640	-	Channel maintenance, as and when necessary over a distance of 640m from the confluence of the Butlerstown Stream and Glashaboy River (C04_000) to chainage 640 on the Butlerstown Stream.
C05_G01	0 to 1865	-	Channel maintenance, as and when necessary over a distance of 1865m from the confluence of the Glenmore Stream and the Butlerstown Stream (C05_000) to chainage 1865 on the Glenmore Stream.

Notes:

- Notes:
1. Do not scale from drawing.
 2. This drawing should be read in conjunction with all other Glashaboy River (Glanmire/Sallybrook) Drainage Scheme Confirmation Drawings and Schedules.

Drg. No. GR_210 Proposed Flood Defences - Plan Layout (Sheet 10 of 17)

ARUP

Ove Arup & Partners Ireland Ltd,
One Albert Quay,
Cork, Ireland.

Tel +353 (0)21 4277670
Fax +353 (0)21 4272345



24 Grove Island,
Corbally,
Co Limerick,
Ireland.
Tel. + 353 (0) 61 345463
Fax. + 353 (0) 61 280146

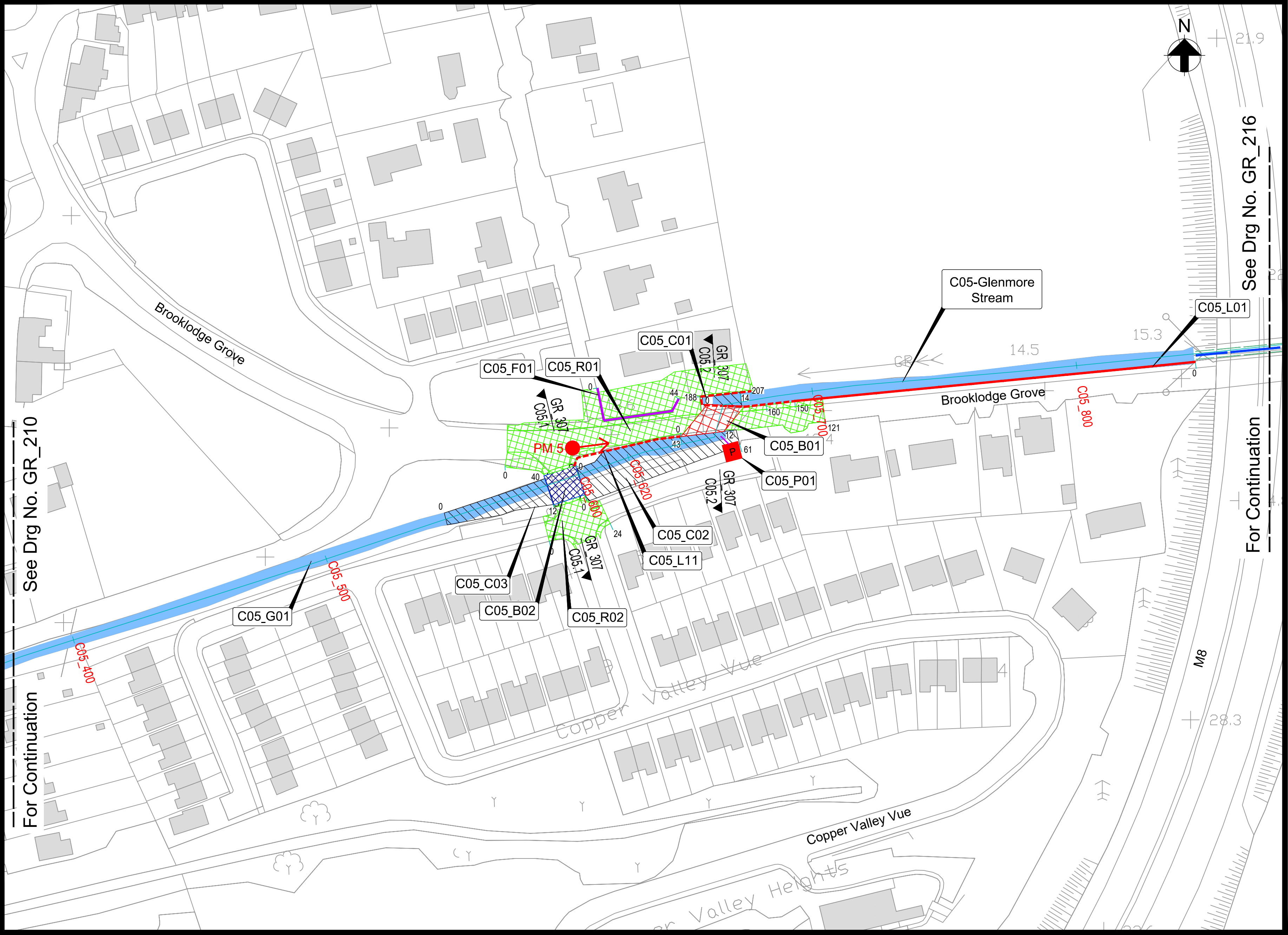


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County Hall,
Carrigrohane Road,
Cork, Ireland.

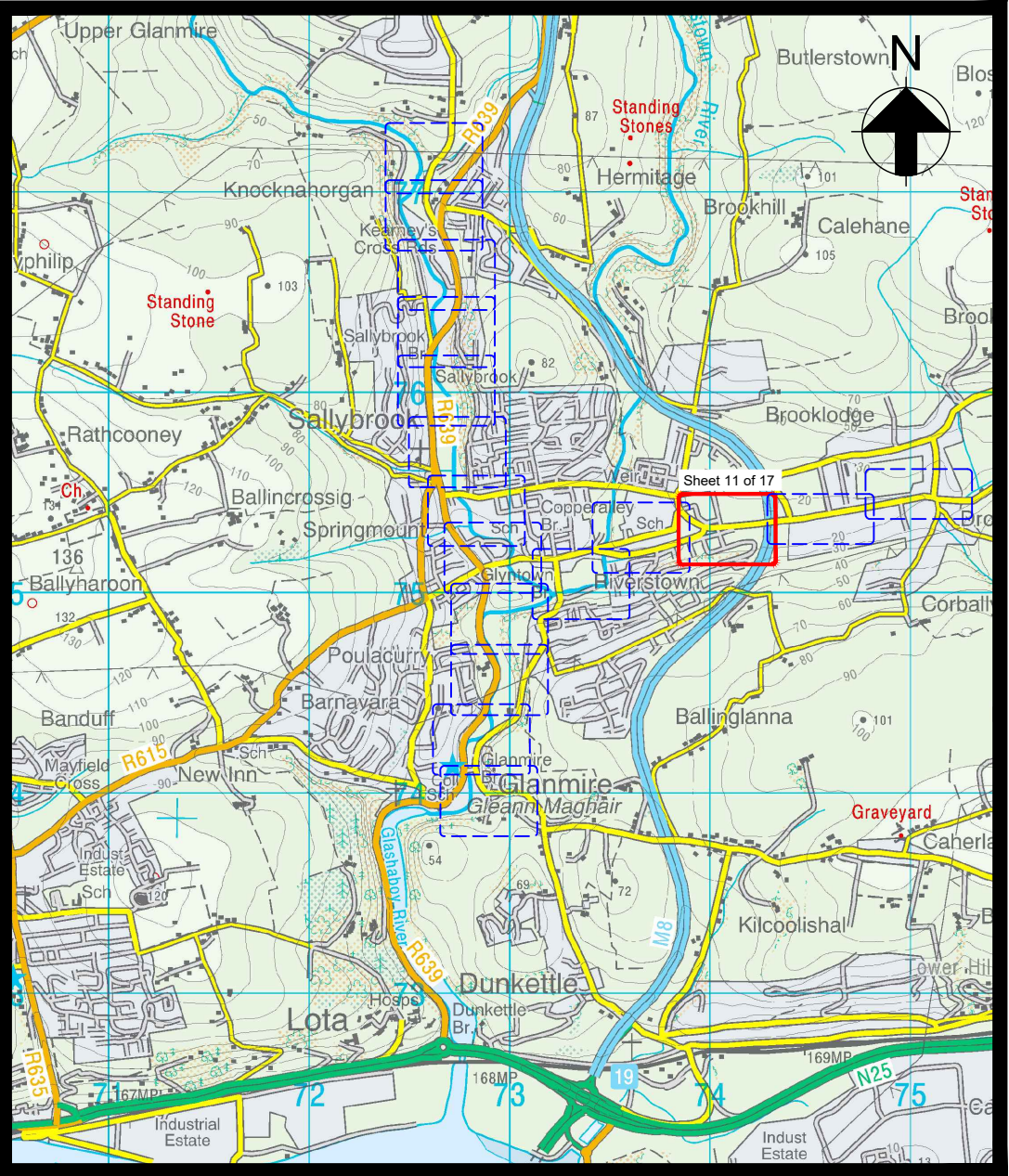
Tel: + 00 353 (0) 21 4276891
Fax: + 00 353 (0) 21 4276321



Tel +353 (0) 78 1106000
Fax +353 (0) 48 9481793



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Location Plan



Key Plan

Key to Plan

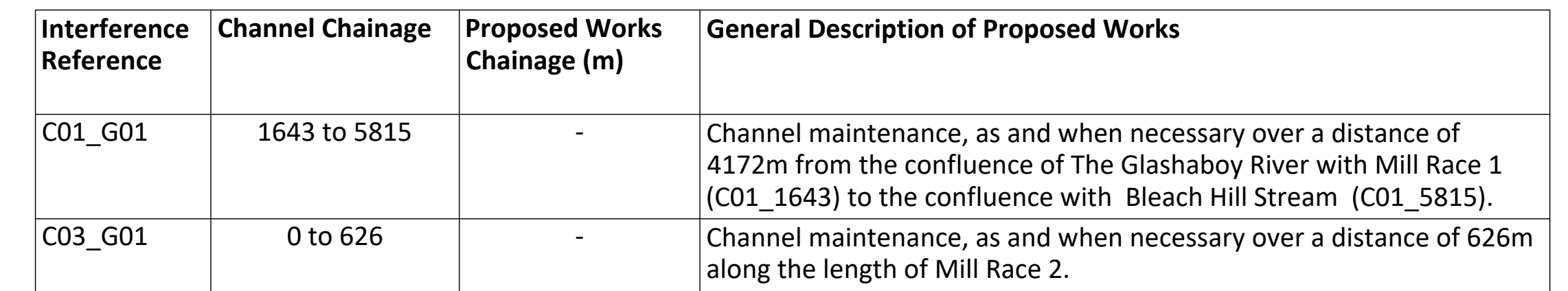
- Watercourse
- Channel Centreline, Reference (C08) and Chainage (300m)
- Photomontage (Location, Orientation and No.)
- Interference Reference
- Location and Reference of Cross Section
- Proposed Works Chainage (m)
- Proposed Boundary Works
- Existing Culvert/Bridge to be Retained
- Proposed Regrading of Ground Levels
- Proposed Flood Defence Wall
- Proposed Channel Widening & Deepening
- Proposed Reinforced Concrete Culvert Replacement
- Proposed Pumping Station (Surface Water)
- Proposed Rising Main (Surface Water)
- Proposed New Bridge
- Proposed Retaining Wall

Interference Reference	Channel Chainage	Proposed Works Chainage (m)	General Description of Proposed Works
C05_G01	0 to 1865	-	Channel maintenance, as and when necessary over a distance of 1865m from the confluence of the Glenmore Stream and the Butlerstown Stream (C05_000) to chainage 1865 on the Glenmore Stream.
C05_L01	693 to 845	0 to 150	Existing wall to be strengthened. All drainage outfalls to be fitted with non-return valves.
C05_L01	682 to 693	150 to 160	Proposed reinforced concrete retaining wall to be constructed to 15.63mOD (typically 1.40m above existing footpath levels). All drainage outfalls to be fitted with non-return valves.
C05_L01	666 to 682	160 to 188	Proposed reinforced concrete retaining wall to be constructed to 15.84mOD (typically 1.76m above existing footpath levels). All drainage outfalls to be fitted with non-return valves.
C05_L01	666 to 678	188 to 207	Proposed reinforced concrete retaining wall to be constructed to 15.64mOD (typically 1.54m above existing garden levels). All drainage outfalls to be fitted with non-return valves.
C05_B01	655 to 666	0 to 12	Replace three existing culverts, (2.32m span arch, 2.95m wide by 0.68m high culvert and 2.95m wide by 0.67m high culvert) with 2 no. rectangular culverts each 5m wide by 2.12m high. Service diversions associated with the culvert reconstruction will be required.
C05_R01	571 to 703	0 to 121	Brooklodge Grove road to be regraded to facilitate the construction of the proposed replacement culvert including minor regrading and landscaping to adjoining gardens and driveways.
C05_F01	-	0 to 44	Proposed boundary works to the existing property following regrading of ground levels.
C05_B02	588 to 600	0 to 12	Replace existing bridge with a new reinforced concrete bridge. Bridge to be 10m clear span. Proposed bridge soffit level to be 13.79mOD (approximately 0.33m above existing bridge soffit). Service diversions associated with the bridge reconstruction will be required.
C05_L11	602 to 641	0 to 43	Proposed reinforced concrete retaining wall to be constructed to 14.84mOD (typically 1.04m above existing ground levels). All drainage outfalls to be fitted with non-return valves.
C05_R02	580 to 604	0 to 24	Entrance to Copper Valley Vue to be regraded to facilitate the construction of the proposed replacement bridge.
C05_C01	662 to 673	0 to 14	Channel to be deepened by 0.30m at the existing culvert inlet to facilitate the installation of the proposed replacement culvert at Brooklodge Grove.
C05_C02	600 to 656	0 to 61	Channel to be widened by up to 8m (varies) and deepened by 0.3m typically over a distance of 61m from the proposed culvert under the entrance to Copper Valley Vue (C05_600) to the proposed culvert under Brooklodge Grove (C05_656).
C05_C03	548 to 588	0 to 40	Channel to be widened by up to 6m (varies) and deepened by 0.4m typically over a distance of 40m downstream of the proposed culvert replacement at Copper Valley Vue (C05_588).
C05_P01	653	-	Proposed local surface water pumping station, collector drain, manhole and rising main to be installed for operation during a flood event at C05_653. All outlets to be fitted with non-return valves.

- Notes:
- Do not scale from drawing.
 - This drawing should be read in conjunction with all other Glashaboy River (Glanmire/Sallybrook) Drainage Scheme Confirmation Drawings and Schedules.
 - All sections on this drawing are taken looking downstream.

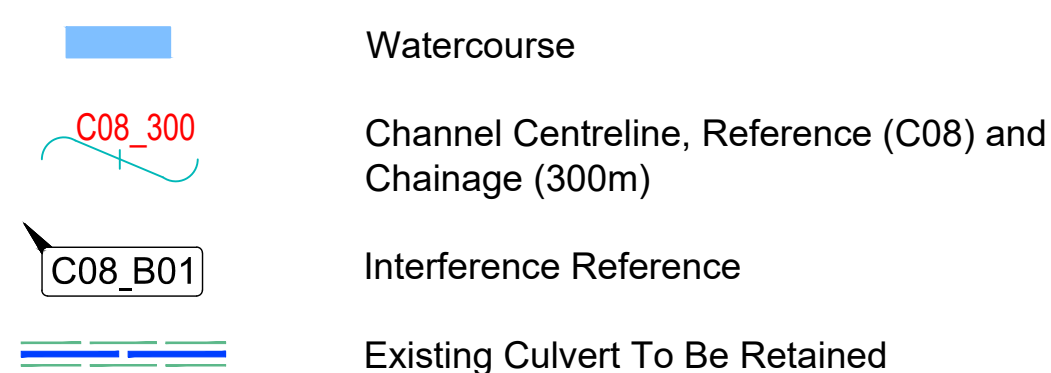
Drg. No. GR_211 Proposed Flood Defences - Plan Layout (Sheet 11 of 17)

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1. Do not scale from drawing.
2. This drawing should be read in conjunction with all other Glashaboy River (Glanmire/Sallybrook) Drainage Scheme Confirmation Drawings and Schedules.

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



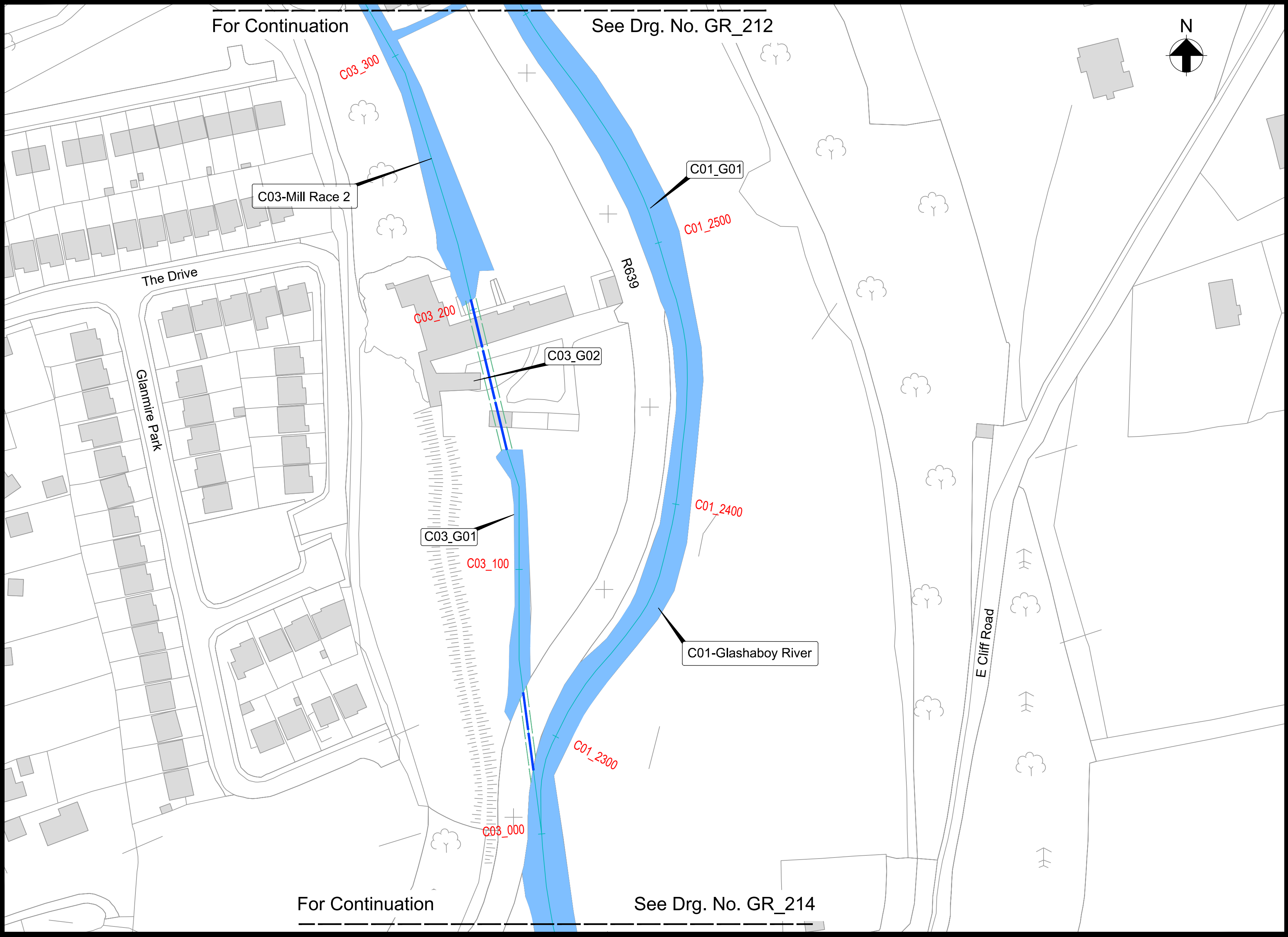
Drg. No. GR 212 Proposed Flood Defences - Plan Layout (Sheet 12 of 17)

Jonathan Swift Street,
Trim,
Co. Meath,
Ireland.

Tel +353 (0) 76 1106000
Fax +353 (0) 46 9481793

Glashaboy River (Glanmire/Sallybrook) Drainage Scheme

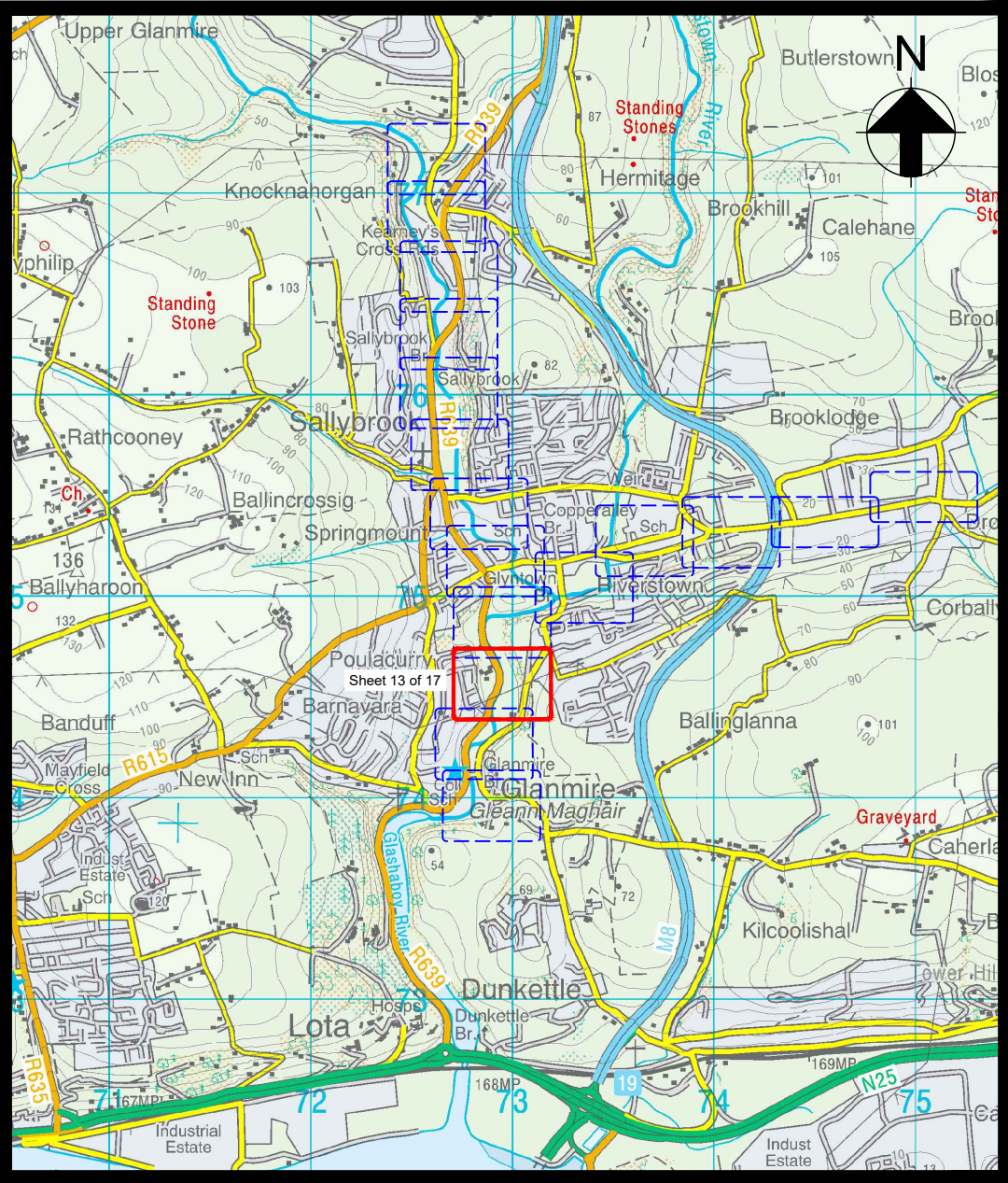
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Location Plan



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



Key to Plan

- Watercourse
- Channel Centreline, Reference (C08) and Chainage (300m)
- Interference Reference
- Existing Culvert To Be Retained

Key Plan

Interference Reference	Channel Chainage	Proposed Works Chainage (m)	General Description of Proposed Works
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).
C03_G01	0 to 626	-	Channel maintenance, as and when necessary over a distance of 626m along the length of Mill Race 2.
C03_G02	176	-	Marginal change in the peak water level for the 1 in 100 year fluvial flood event in the vicinity of the residential building at chainage 176 on Mill Race 2.

- Notes:
- Do not scale from drawing.
 - This drawing should be read in conjunction with all other Glashaboy River (Glanmire/Sallybrook) Drainage Scheme Confirmation Drawings and Schedules.

Drg. No. GR_213 Proposed Flood Defences - Plan Layout (Sheet 13 of 17)

ARUP

One Arup & Partners Ireland Ltd.,
One Albert Quay,
Cork, Ireland.
Tel +353 (0)21 4277670
Fax +353 (0)21 4272345



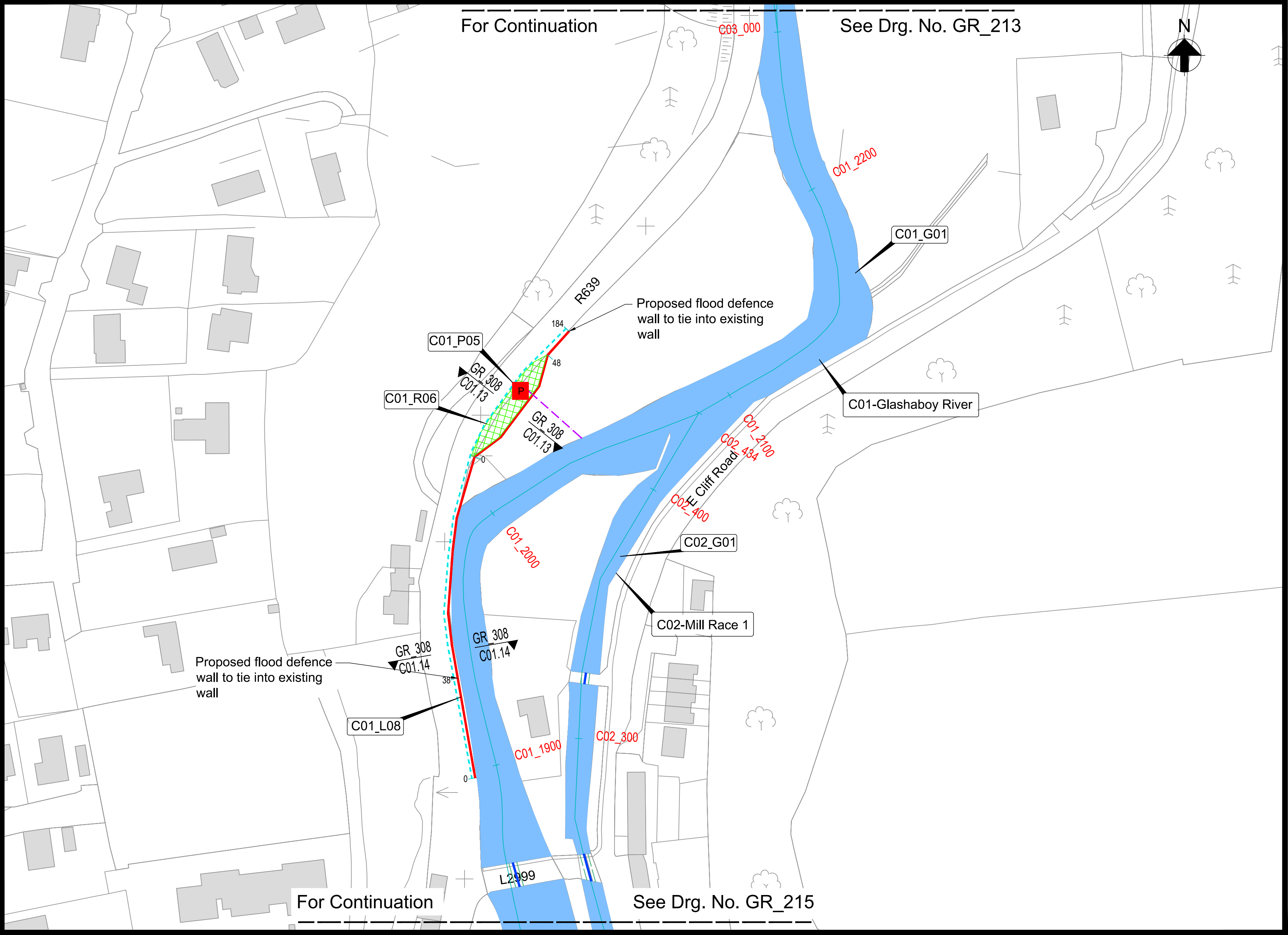
24 Grove Island,
County Hall,
Corbally,
Co Limerick,
Ireland.
Tel + 353 (0) 61 345463
Fax + 353 (0) 61 280146



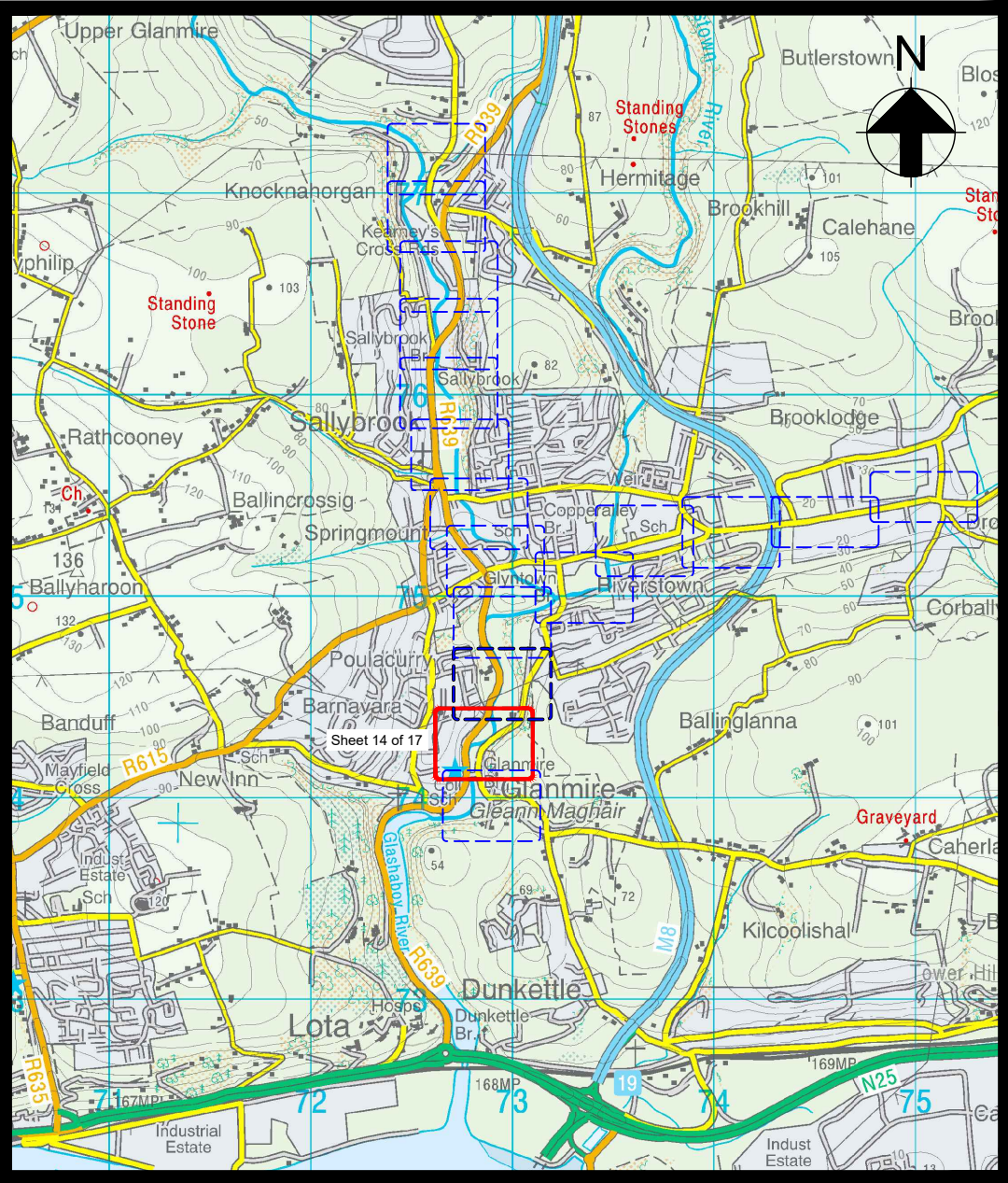
Cork County Council Headquarters,
County Hall,
Carrigrohane Road,
Cork, Ireland.
Tel + 00 353 (0) 21 4276991
Fax + 00 353 (0) 21 4276321



Jonathan Swift Street,
Trim,
Co. Meath,
Ireland.
Tel +353 (0) 76 1106000
Fax +353 (0) 46 9481793



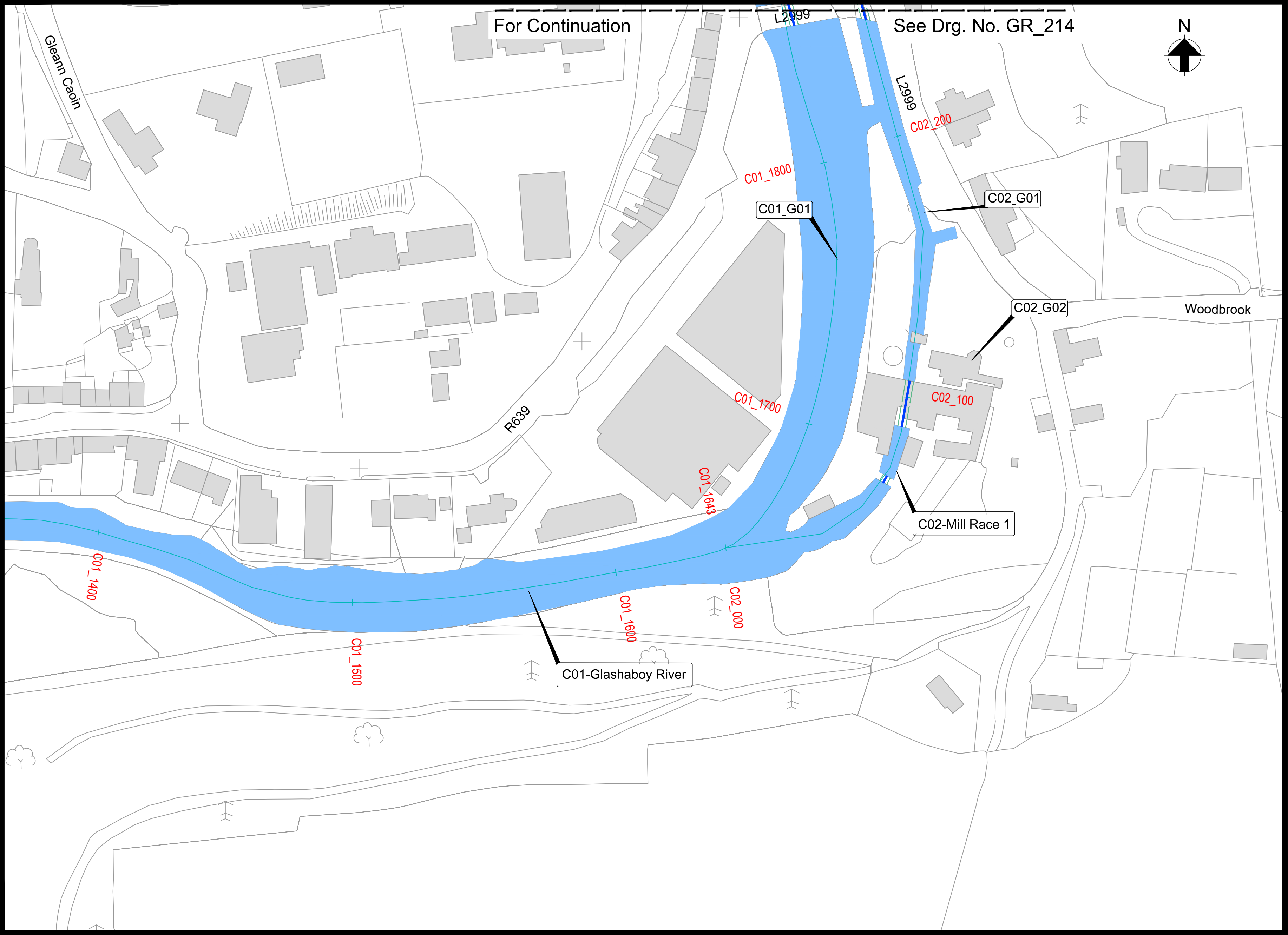
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Location Plan



Key Plan

Key to Plan

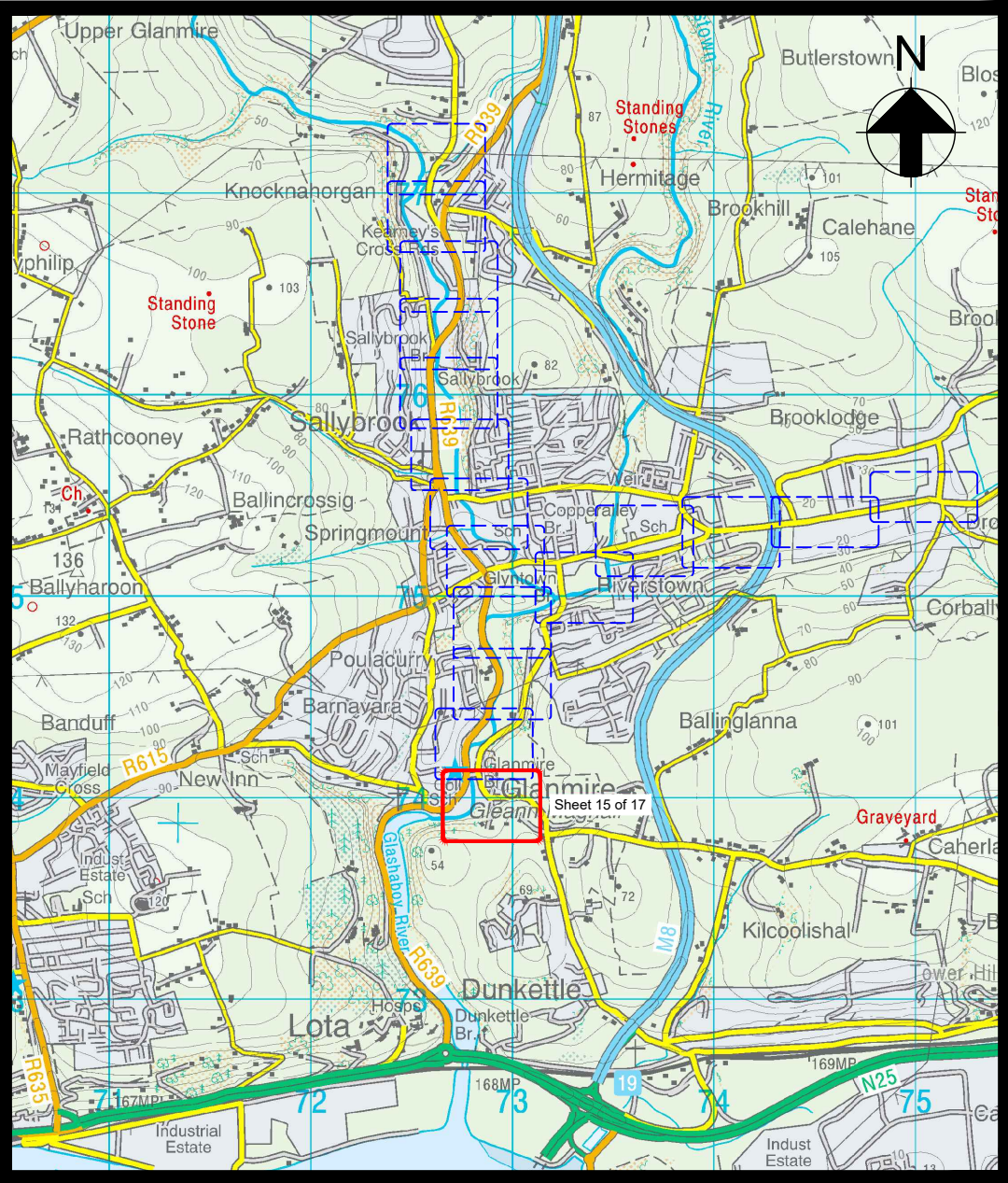
- Watercourse
- Channel Centreline, Reference (C08) and Chainage (300m)
- Interference Reference
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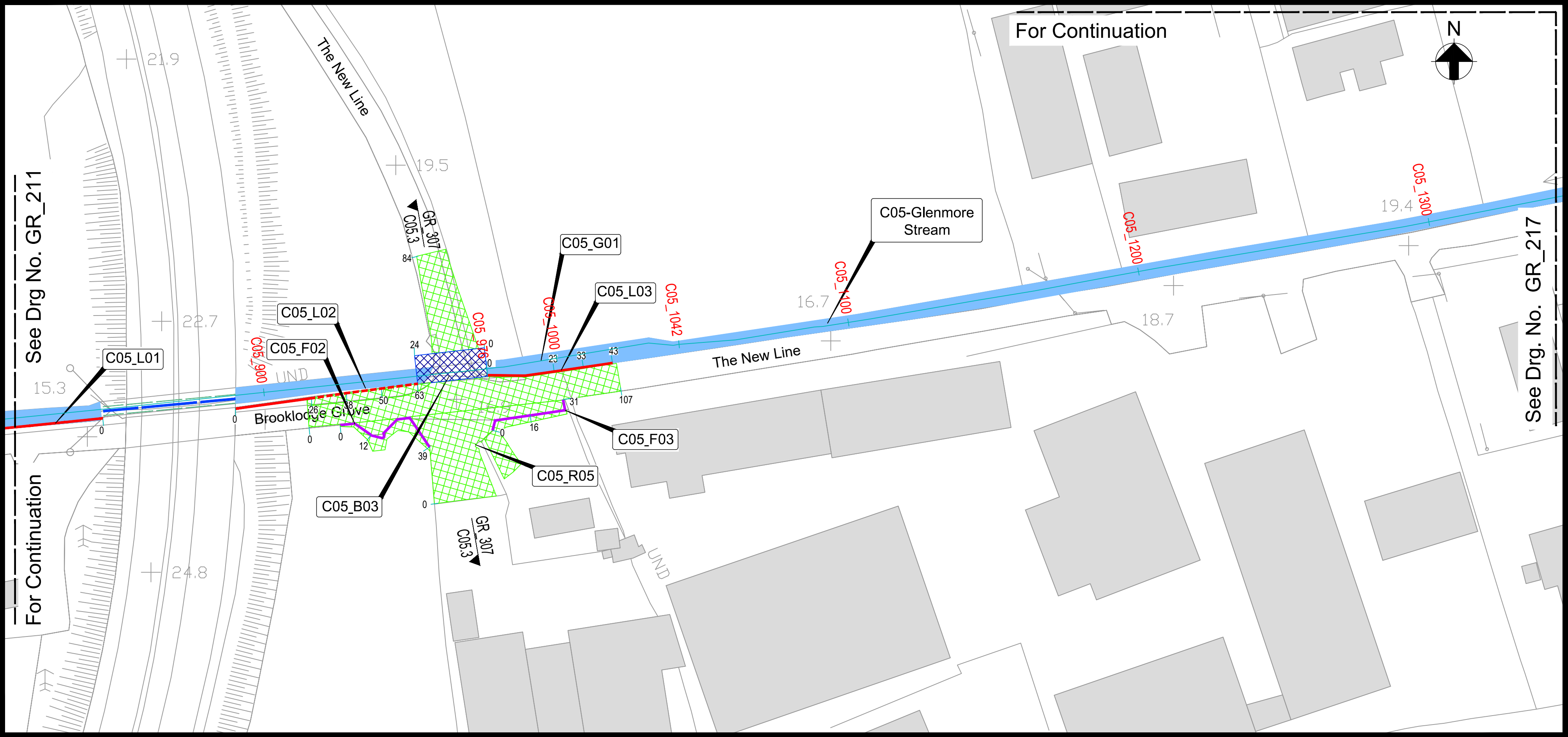


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Location Plan



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Scale 1:2,000 at A3



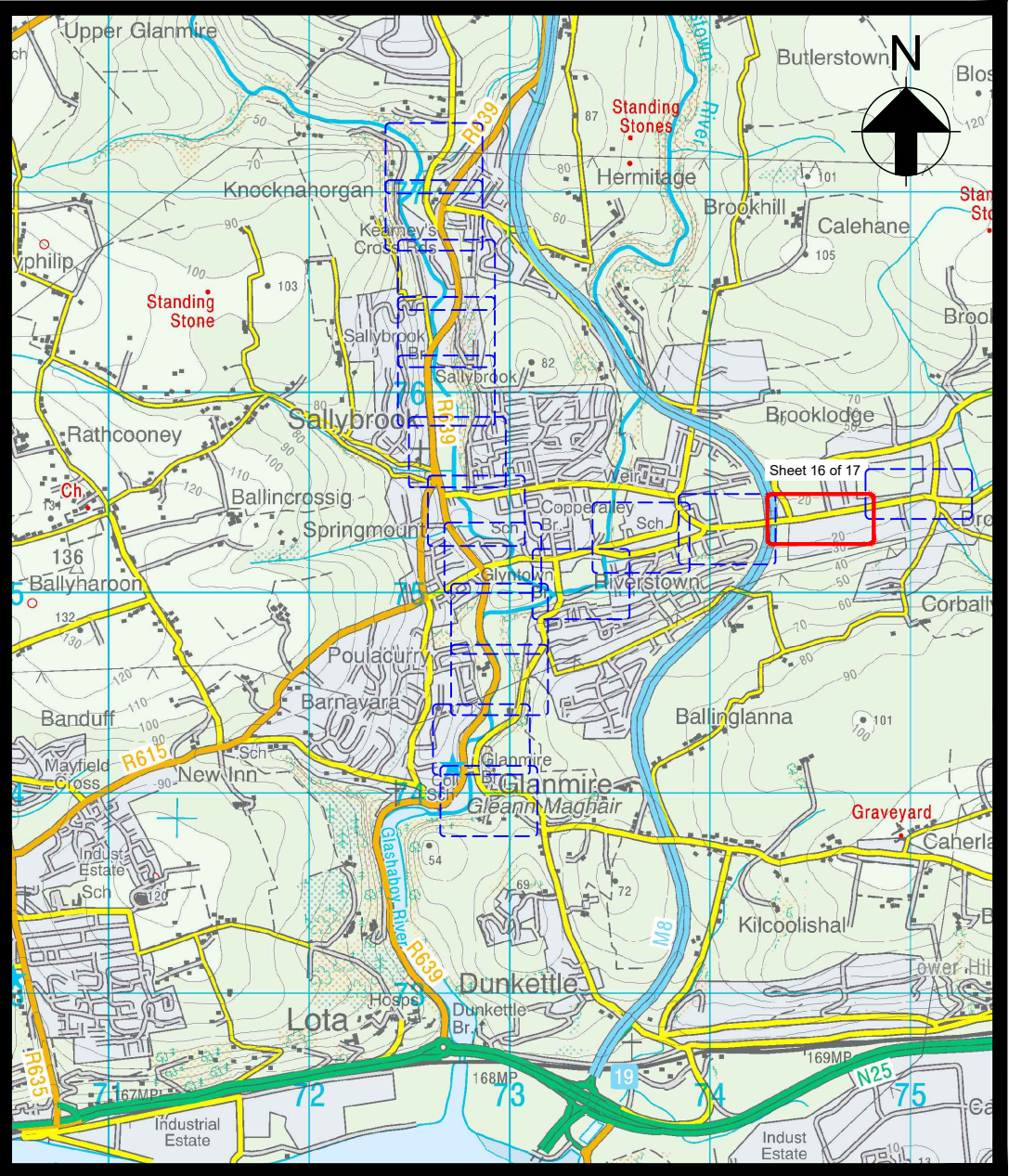


Location Plan

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

Interference Reference	Channel Chainage	Proposed Works Chainage (m)	General Description of Proposed Works
C05_G01	0 to 1865	-	Channel maintenance, as and when necessary over a distance of 1865m from the confluence of the Glenmore Stream and the Butlerstown Stream (C05_000) to chainage 1865 on the Glenmore Stream.
C05_L03	975 to 998	0 to 23	Proposed reinforced concrete flood defence wall to be constructed above flood defence level to 19.75mOD (typically 2.41m above existing ground levels). All drainage outfalls to be fitted with non-return valves.
C05_L03	998 to 1008	23 to 33	Proposed reinforced concrete flood defence wall to be constructed above flood defence level to 19.38mOD (typically 2.07m above existing ground levels). All drainage outfalls to be fitted with non-return valves.
C05_L03	1008 to 1018	33 to 43	Proposed reinforced concrete flood defence wall to be constructed above flood defence level to 18.90mOD (typically 1.55m above existing ground levels). All drainage outfalls to be fitted with non-return valves.
C05_R05	914 to 1021	0 to 107	The New Line, Brooklodge Grove and the junction between the two roads to be regraded to facilitate the construction of the proposed replacement culvert. Overland flow to be diverted back into the Glenmore Stream to the east of the proposed New Line bridge.
C05_B03	952 to 976	0 to 24	Replace existing 4.93m wide by 1.57m high culvert with a new reinforced concrete bridge. Bridge to be 8.25m clear span. Proposed bridge soffit level to be 17.43mOD.
C05_F03	973 to 988	0 to 16	Proposed boundary wall to be constructed to 19.52mOD (typically 2.52m above existing ground levels).
C05_F03	988 to 999	16 to 31	Proposed boundary wall to be constructed to 19.20mOD (typically 2.08m above existing ground levels).
C05_F02	925 to 934	0 to 12	Proposed boundary wall to be constructed to 18.85mOD (typically 1.96m above existing ground levels).
C05_F02	938 to 953	12 to 39	Proposed boundary wall to be constructed to 18.34mOD (typically 2.49m above existing ground levels). Vehicular access gate to be provided.
C05_L02	890 to 916	0 to 26	Existing wall to be strengthened. All drainage outfalls to be fitted with non-return valves.
C05_L02	916 to 928	26 to 38	Proposed reinforced concrete retaining wall to be constructed to 18.97mOD (typically 1.97m above existing footpath levels). All drainage outfalls to be fitted with non-return valves.
C05_L02	928 to 940	38 to 50	Proposed reinforced concrete flood defence wall to be constructed above flood defence level to 19.27mOD (typically 2.21m above existing footpath levels). All drainage outfalls to be fitted with non-return valves.
C05_L02	940 to 953	50 to 63	Proposed reinforced concrete flood defence wall to be constructed above flood defence level to 19.58mOD (typically 2.42m above existing ground levels). All drainage outfalls to be fitted with non-return valves.
C05_L01	693 to 845	0 to 150	Existing wall to be strengthened. All drainage outfalls to be fitted with non-return valves.

- Notes:
- Do not scale from drawing.
 - This drawing should be read in conjunction with all other Glashaboy River (Glanmire/Sallybrook) Drainage Scheme Confirmation Drawings and Schedules.
 - All sections on this drawing are taken looking downstream.



Key Plan

Key to Plan

- | | | | |
|--|---|--|--|
| | Watercourse | | Proposed Regrading of Ground Levels |
| | Channel Centreline, Reference (C08) and Chainage (300m) | | Proposed Flood Defence Wall |
| | Interference Reference | | Proposed Retaining Wall |
| | Location and Reference of Cross Section | | Proposed New Bridge |
| | Proposed Works Chainage (m) | | Existing Bridge/Culvert to be Retained |
| | Proposed Boundary Works | | |

Drg. No. GR_216 Proposed Flood Defences - Plan Layout (Sheet 16 of 17)

ARUP

One Arup & Partners Ireland Ltd.,
One Albert Quay,
Cork, Ireland.

Tel +353 (0)21 4277670
Fax +353 (0)21 4272345

JBA
consulting

24 Grove Island,
County Hall,
Carrigrohane Road,
Cork, Ireland.

Tel +353 (0) 61 345463
Fax +353 (0) 61 280146



Cork County Council Headquarters,
County Hall,
Carrigrohane Road,
Cork, Ireland.

Tel + 00 353 (0) 21 4276891
Fax + 00 353 (0) 21 4276321



Jonathan Swift Street,
Trim,
Co. Meath,
Ireland.

Tel +353 (0) 76 1106000
Fax +353 (0) 46 9481793