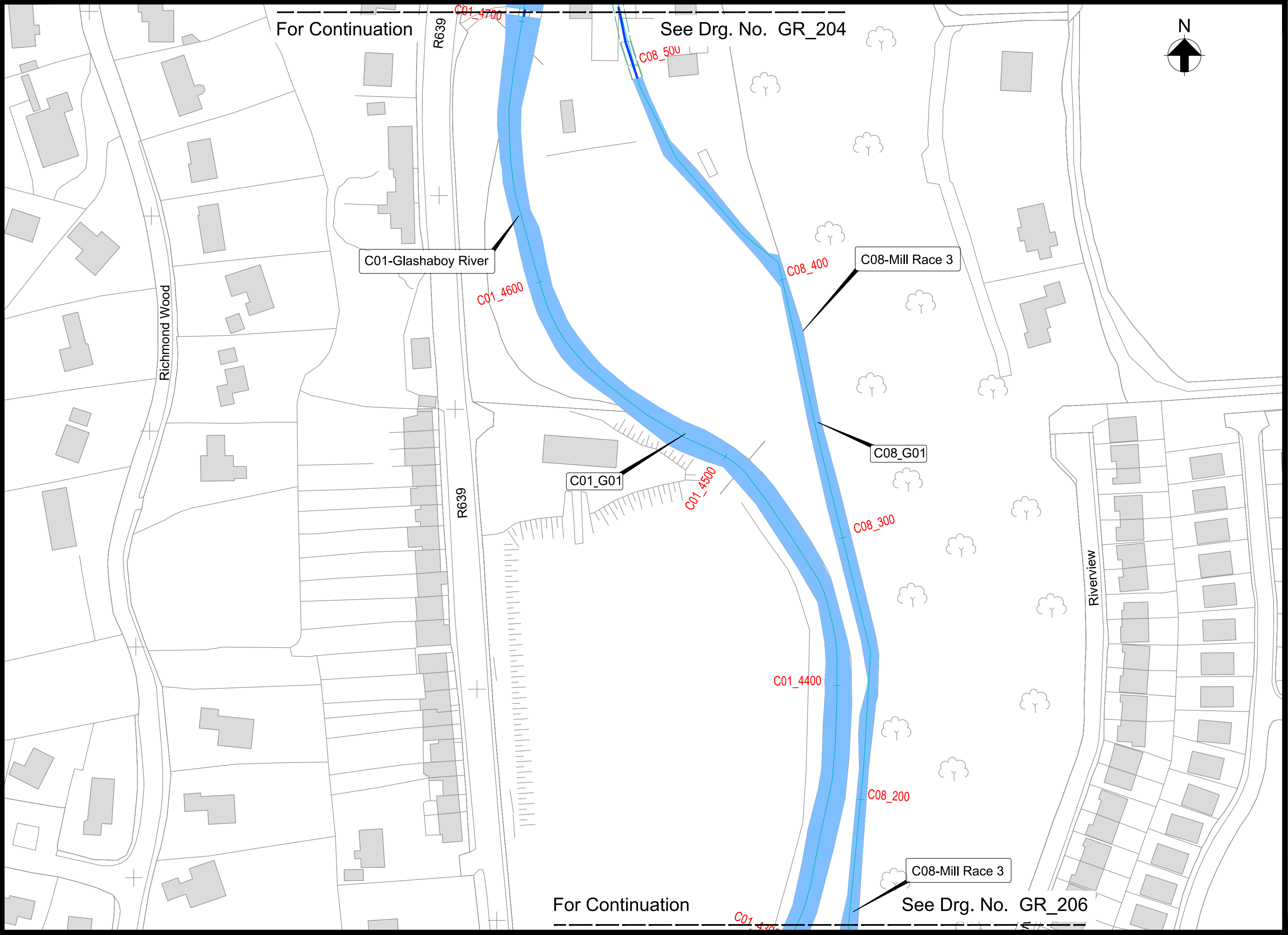


Glashaboy River (Glanmire/Sallybrook) Drainage Scheme

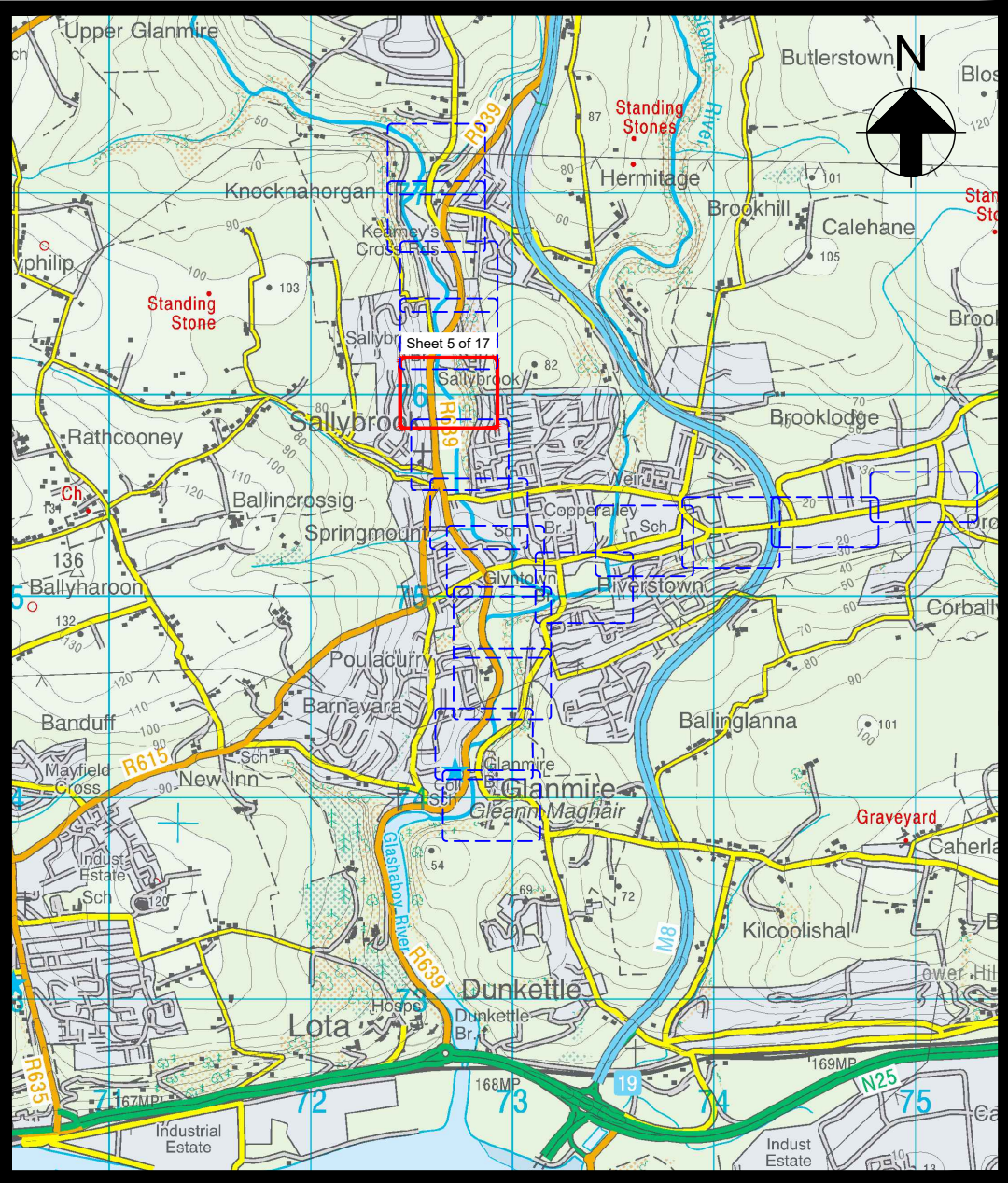
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



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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).
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

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

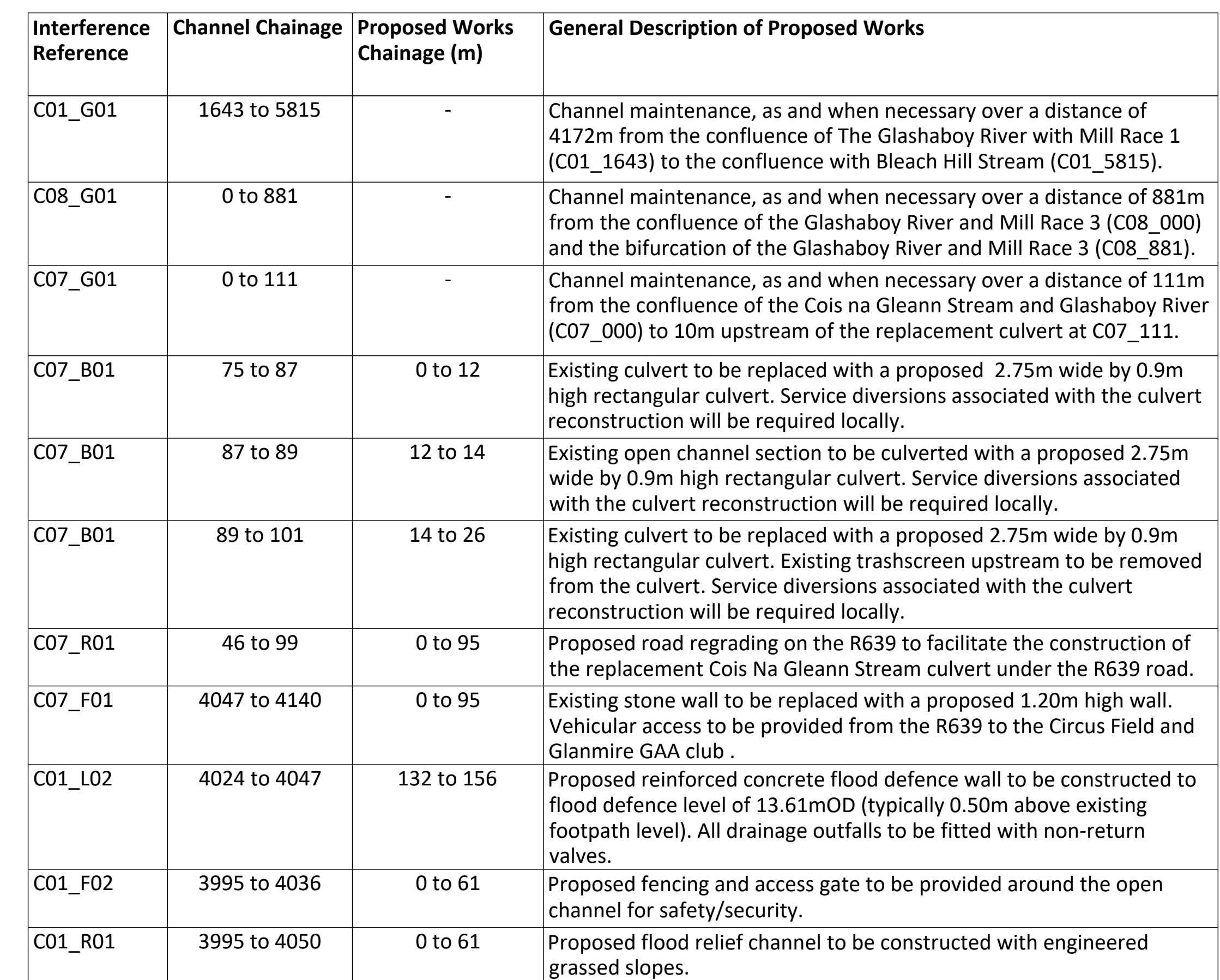


Cork County Council Headquarters,
County Hall,
Carrigrohane Road,
Cork, Ireland.
Tel + 00 353 (0) 21 4276991
Fax + 00 353 (0) 21 4276321



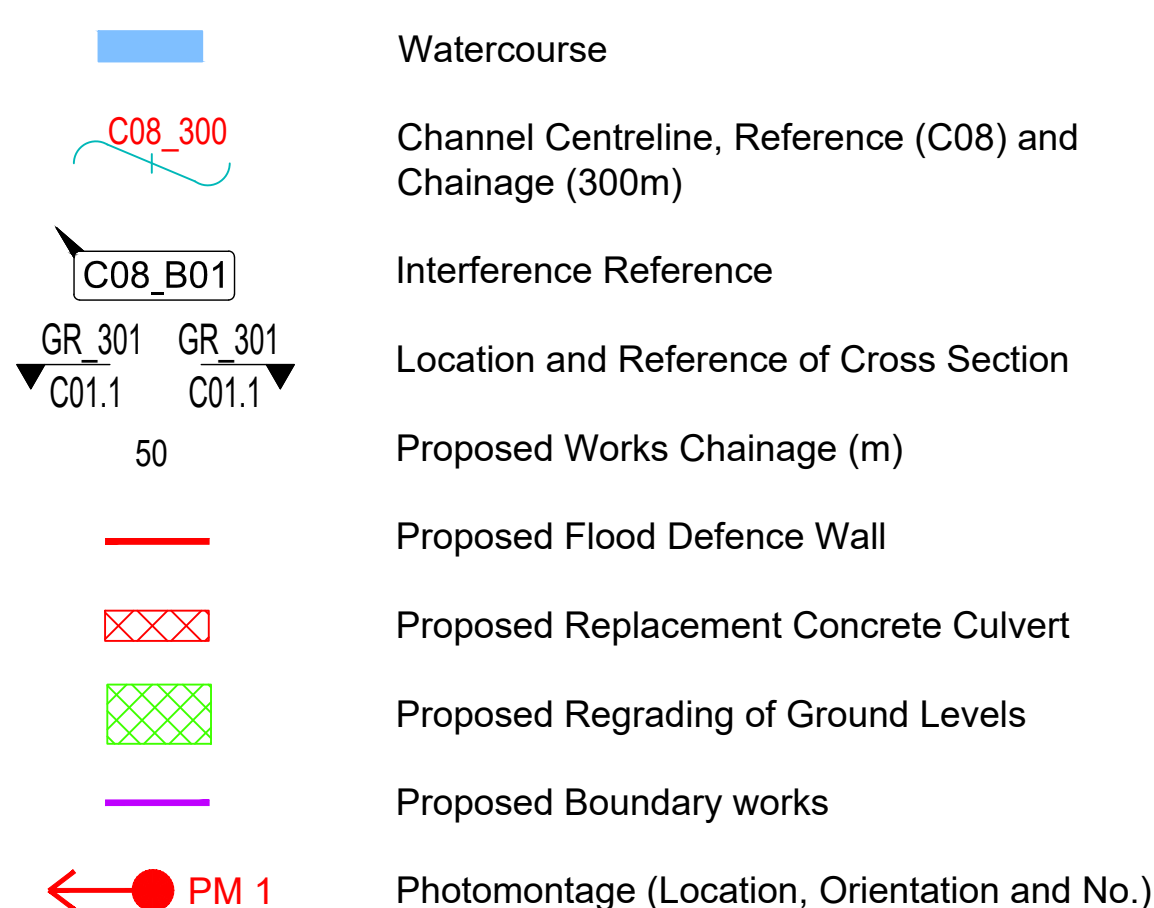
Jonathan Swift Street,
Trim,
Co. Meath,
Ireland.
Tel +353 (0) 76 1106000
Fax +353 (0) 46 9481793

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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. Section C07.1 faces eastwards.

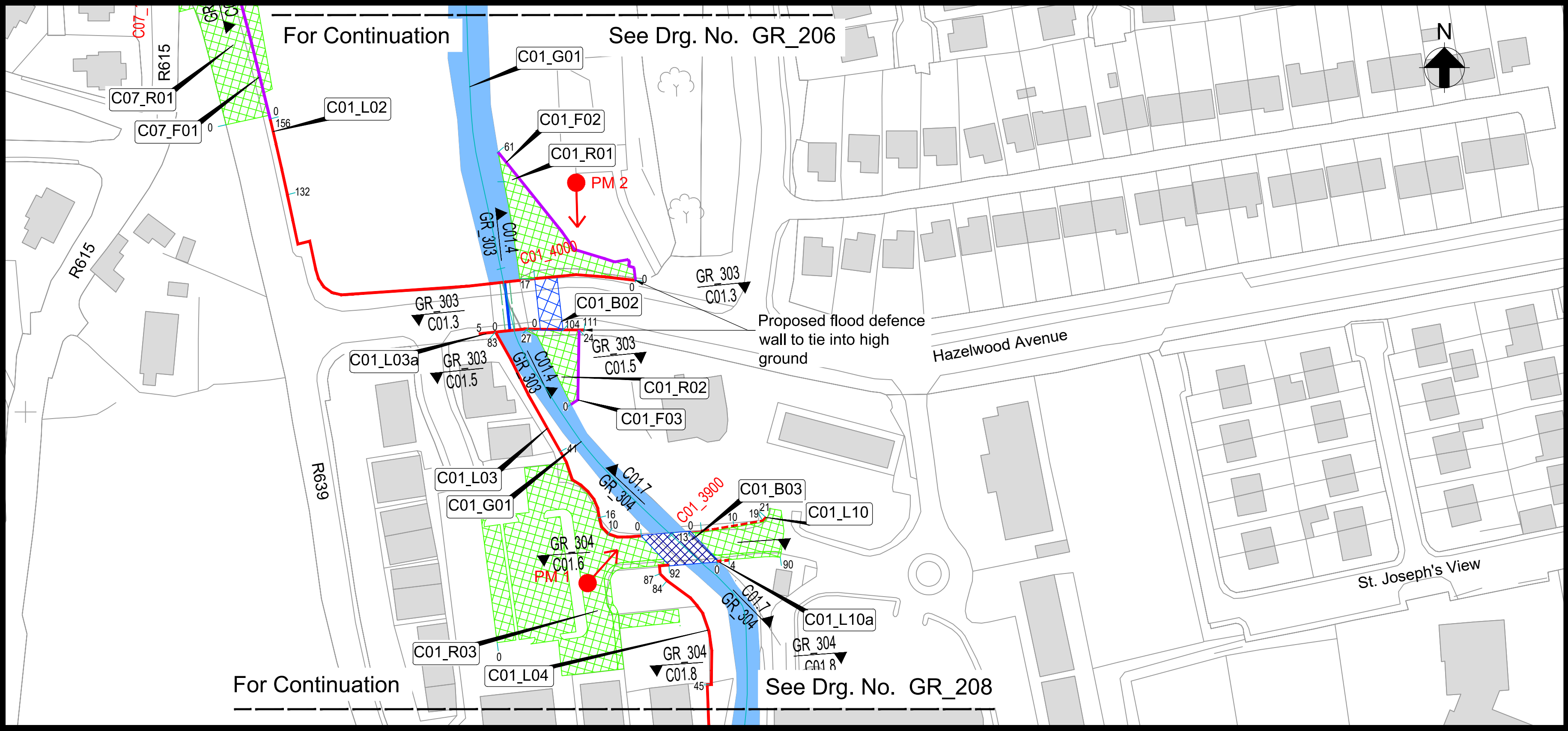
Scale 1:1,000 at A1
Scale 1:2,000 at A3



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

Glashaboy River (Glanmire/Sallybrook) Drainage Scheme

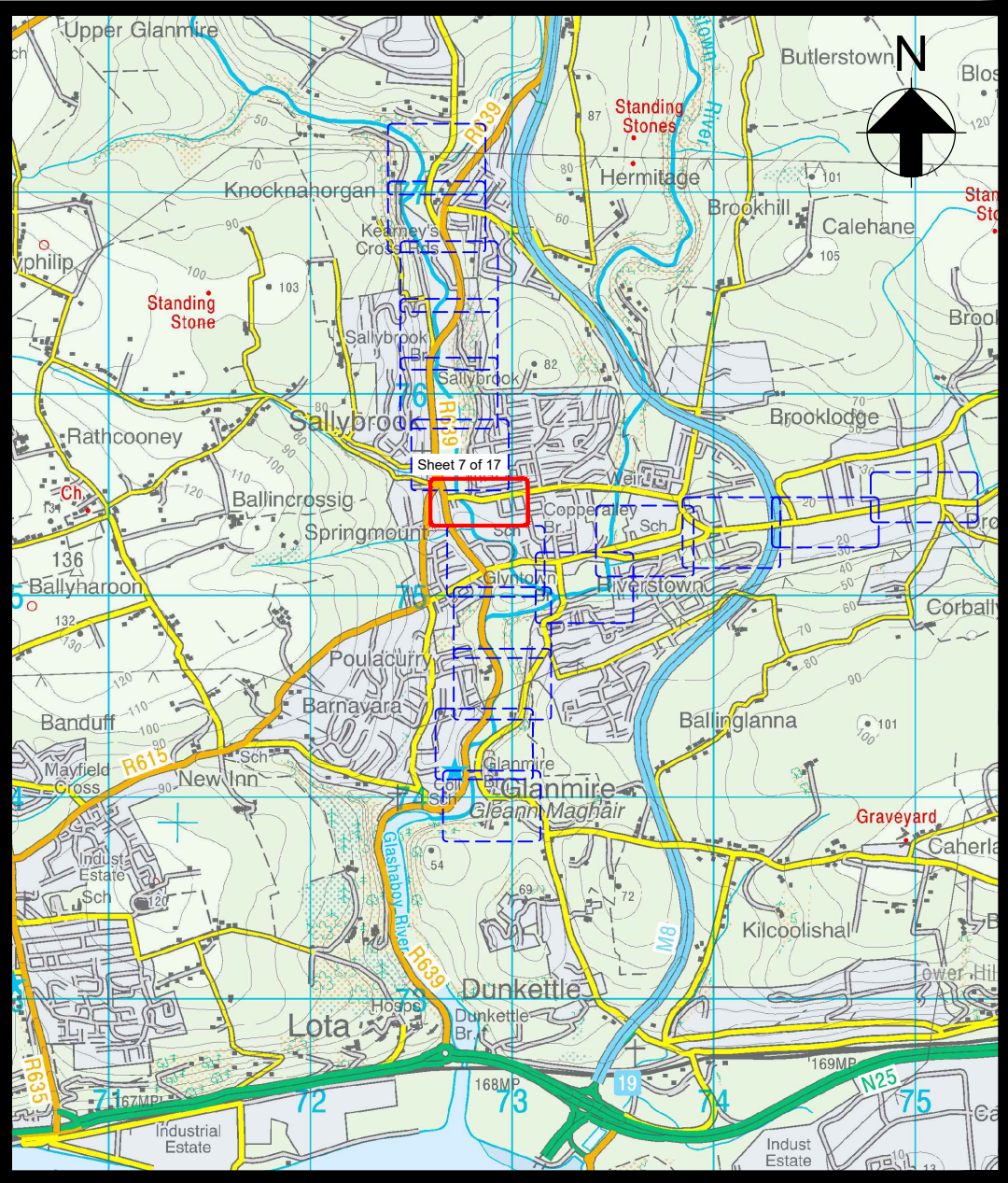
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Location Plan

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



Key to Plan

	Watercourse		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 Flood Defence Wall
	Location and Reference of Cross Section		Proposed Reinforced Concrete Culvert
	Proposed Works Chainage (m)		Proposed Replacement Reinforced Concrete Culvert
	Proposed Retaining Wall		Proposed Boundary works
	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:
- 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.
 - Sections C01.4 & C01.7 face eastwards.
- Drg. No. GR_207 Proposed Flood Defences - Plan Layout (Sheet 7 of 17)

Key Plan

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 +353 (0) 21 4276991
Fax +353 (0) 21 4276321



Jonathan Swift Street,
Trim,
Co. Meath,
Ireland.
Tel +353 (0) 76 1106200
Fax +353 (0) 46 9481793

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Notes:

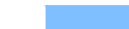





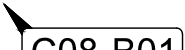

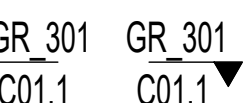

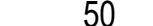

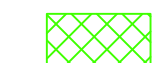







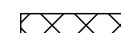
1. Do not scale from drawing.
2. This drawing should be read in conjunction with all other Glashaboy River (Glanmire/Sallybrook) Drainage Scheme Confirmation Drawings and Schedules.
3. All sections on this drawing are taken looking downstream with the exception of C06.1 and C01.12 which face eastwards.

Drg. No. GR_208 Proposed Flood Defences - Plan Layout (Sheet 8 of 17)



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



	Watercourse		Proposed Surface Water Overland Flow Route
	Channel Centreline, Reference (C08) and Chainage (300m)		Existing Bridge/Culvert To Be Retained
	Photomontage (Location, Orientation and No.)		Proposed Flood Defence Wall
	Interference Reference		Proposed Reinforced Concrete Culvert
	Location and Reference of Cross Section		Proposed Retaining Wall
	Proposed Works Chainage (m)		Proposed Replacement Reinforced Concrete Culvert
	Proposed Regrading of Ground Levels		Proposed Drain (Surface Water)
	Existing Bridge Arch to be Cleared		Proposed Pumping Station (Surface Water)
	Proposed Foul/Combined pipe		Proposed Pumping Station (Foul Water)
	Proposed Boundary Works		Proposed Rising Main (Surface Water or Foul Water)
			Proposed works to channel bed

Key Plan

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.

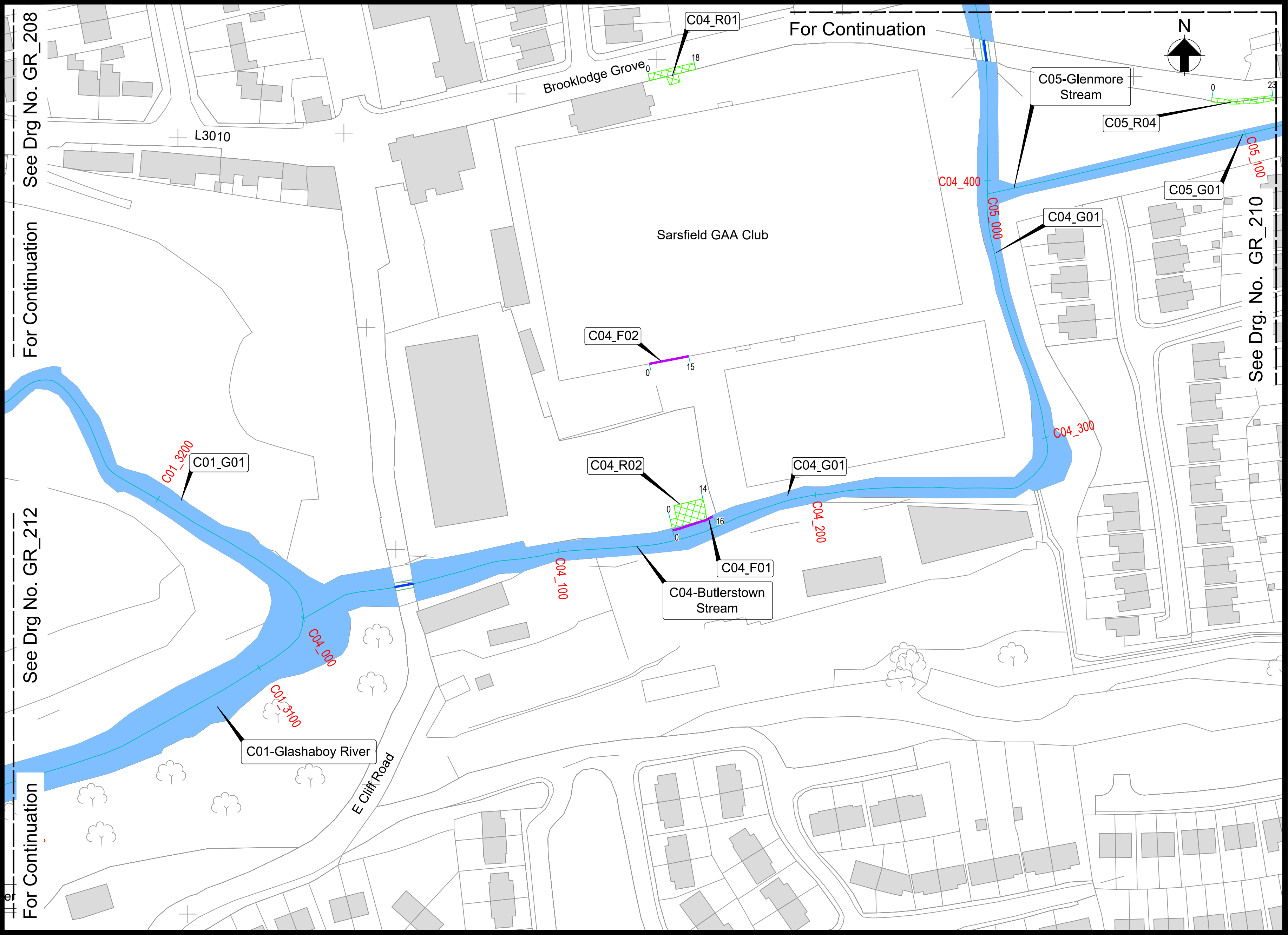
Tel. + 353 (0) 61 34546;
Fax + 353 (0) 61 28014

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.

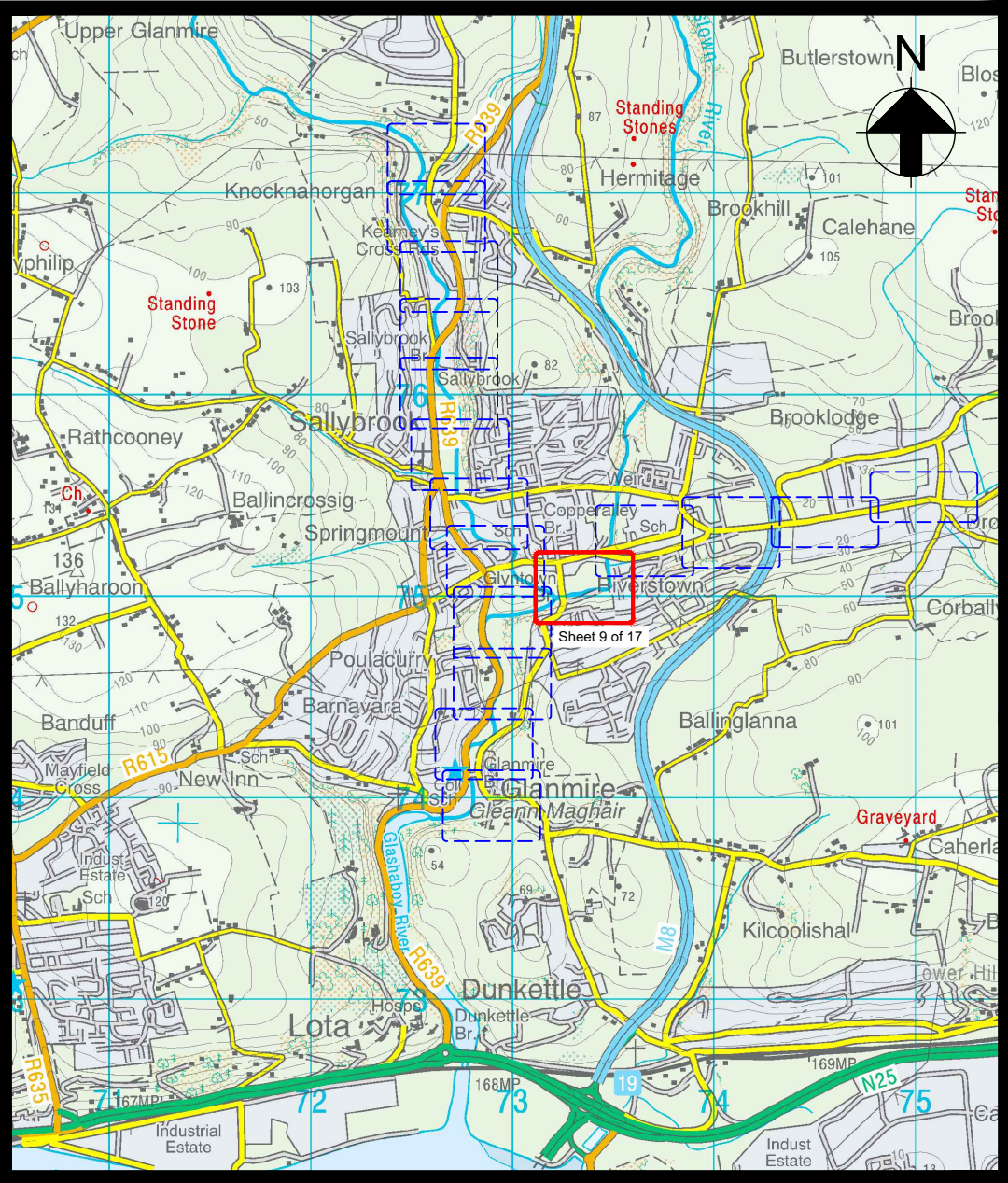
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Location Plan



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



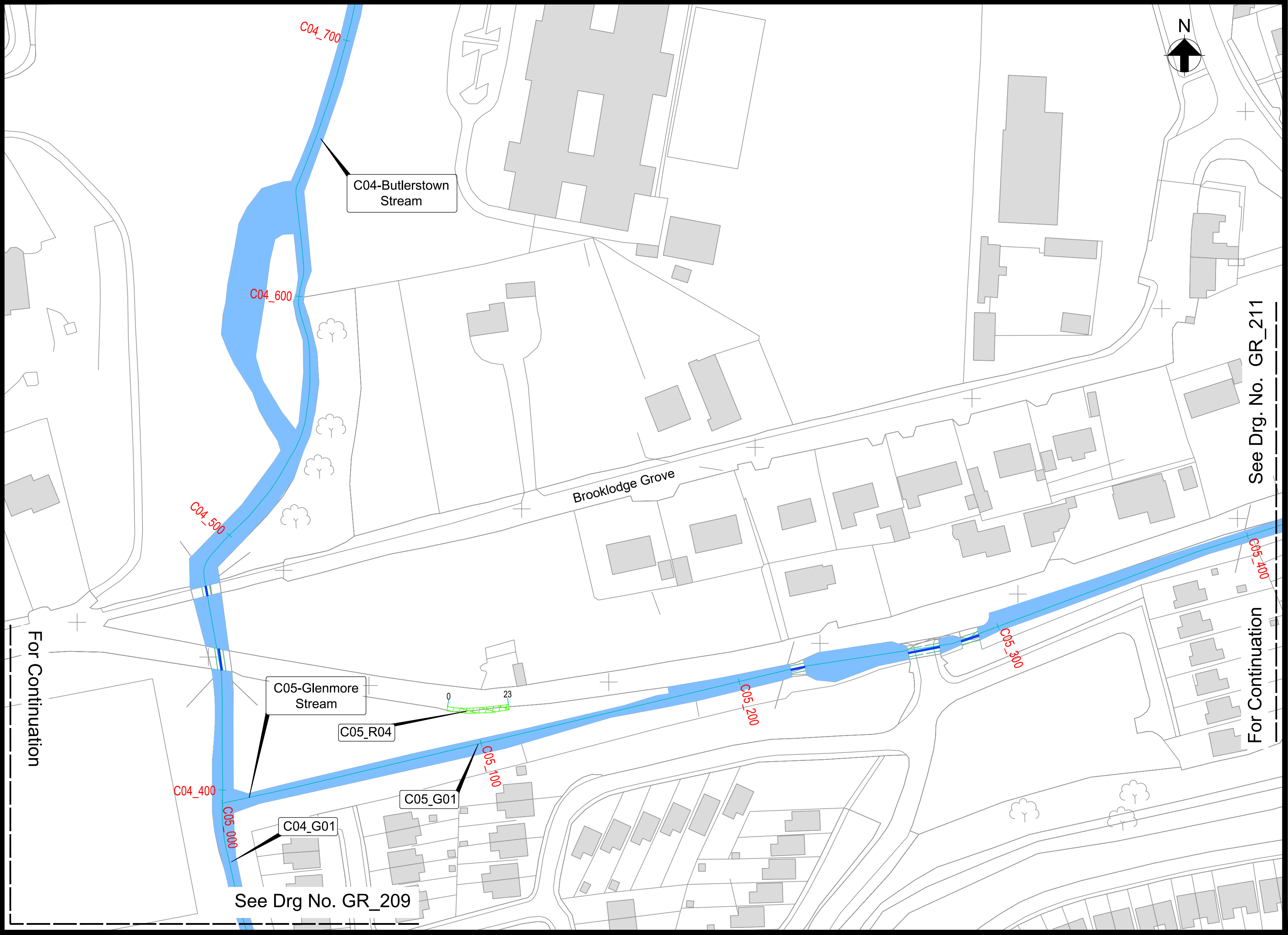
Key Plan

Key to Plan

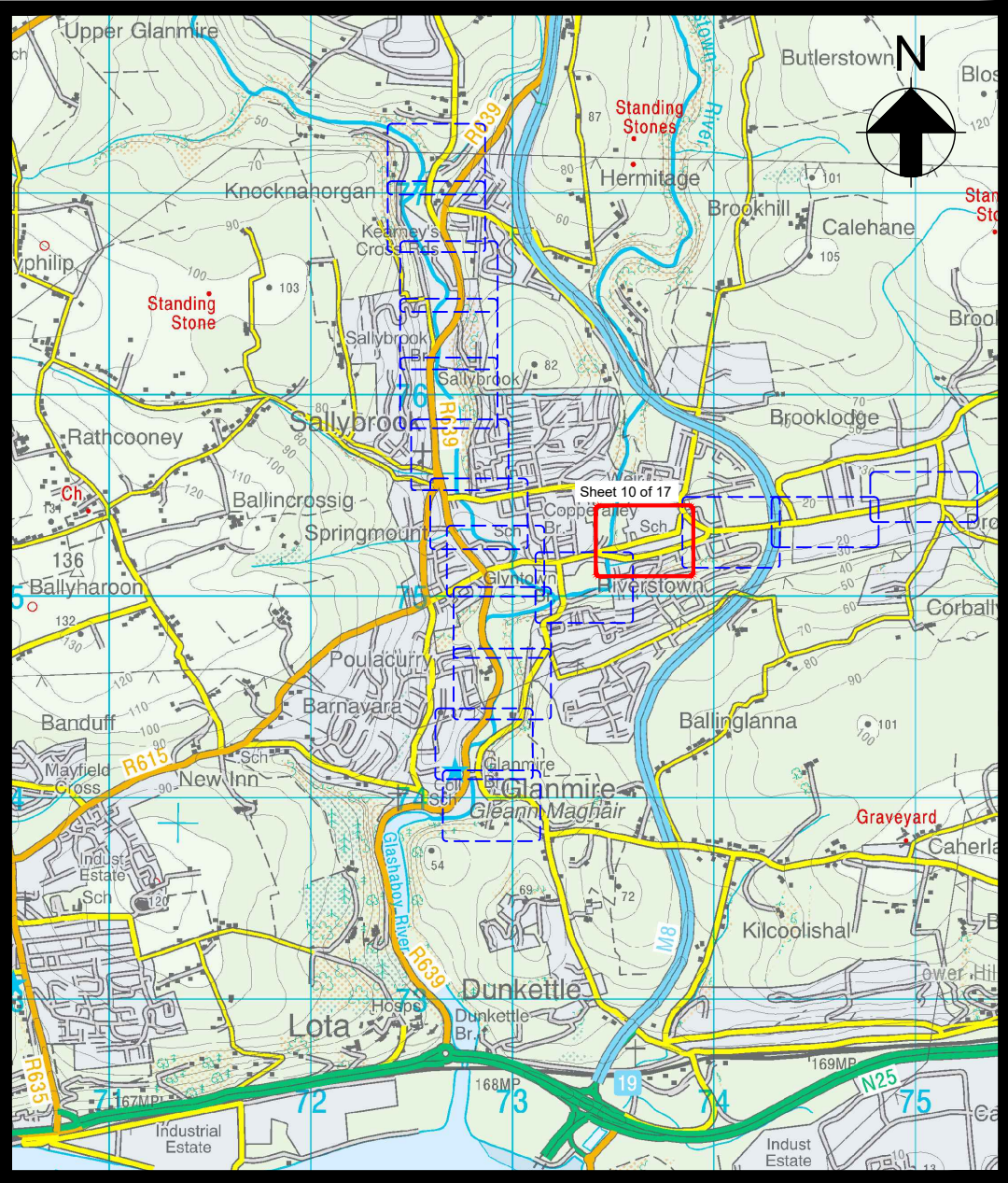
- Watercourse
- Channel Centreline, Reference (C08) and Chainage (300m)
- Interference Reference
- Proposed Works Chainage (m)
- Existing Bridge/Culvert to be Retained
- Proposed Boundary Works
- Proposed Regrading of Ground Levels

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.



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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 Culvert To Be Retained
- Proposed Regrading of Ground Levels

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:
- 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.

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

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

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



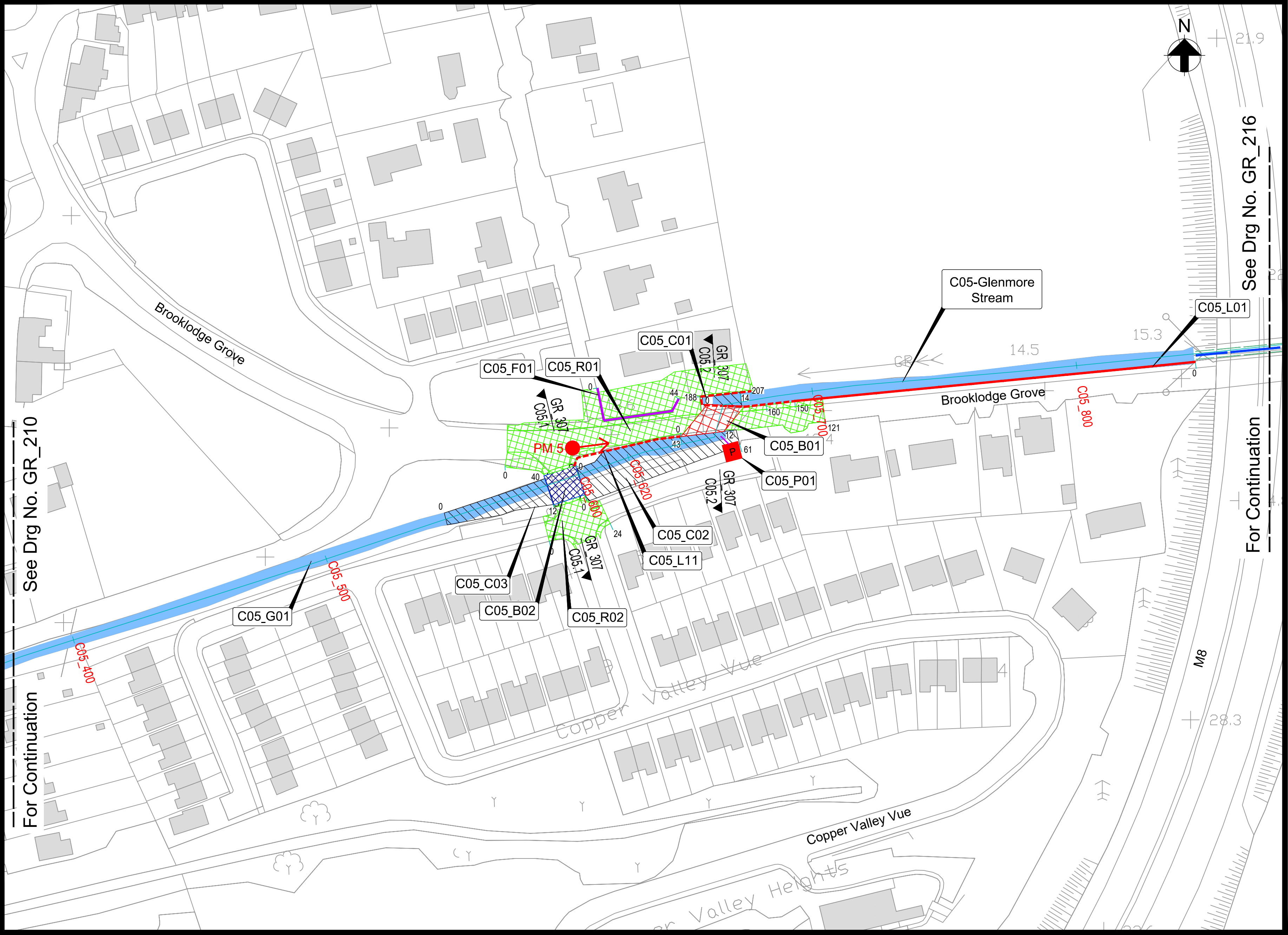
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County Hall,
Corbally,
Co Limerick,
Ireland.
Tel + 353 (0) 61 345463
Fax + 353 (0) 61 280146



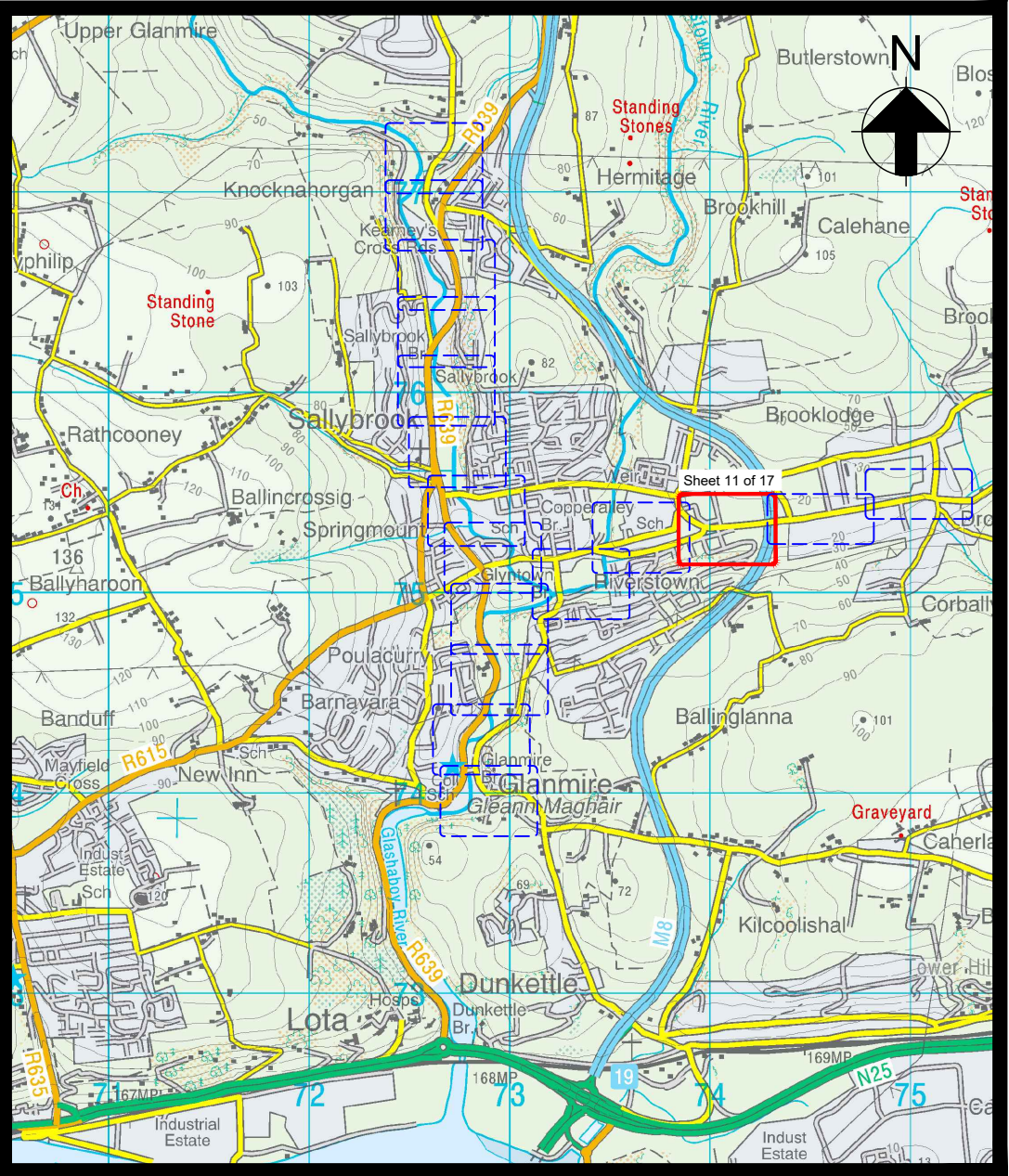
Cork County Council Headquarters,
County Hall,
Carrigrohane Road,
Cork, Ireland.
Tel + 00 353 (0) 21 4276991
Fax + 00 353 (0) 21 4276321



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)
- 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)

ARUP

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

JBA
consulting

24 Grove Island,
County Hall,
Carrigrohane Road,
Cork, Ireland.
Tel +353 (0) 21 345463
Fax +353 (0) 21 280146



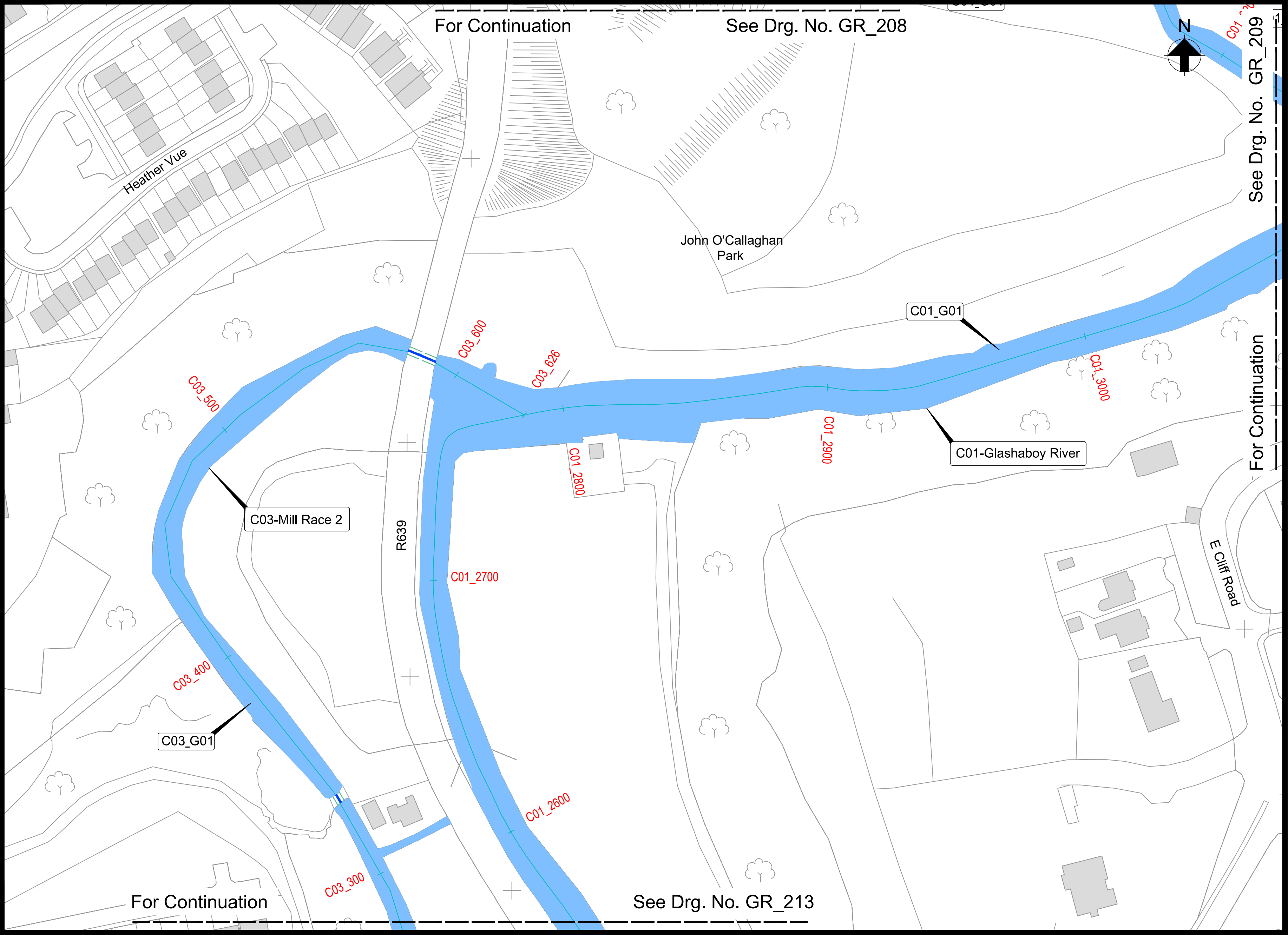
Cork County Council Headquarters,
County Hall,
Corbally,
Cork, Ireland.
Tel + 00 353 (0) 21 4276991
Fax + 00 353 (0) 21 4276321



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

Glashaboy River (Glanmire/Sallybrook) Drainage Scheme

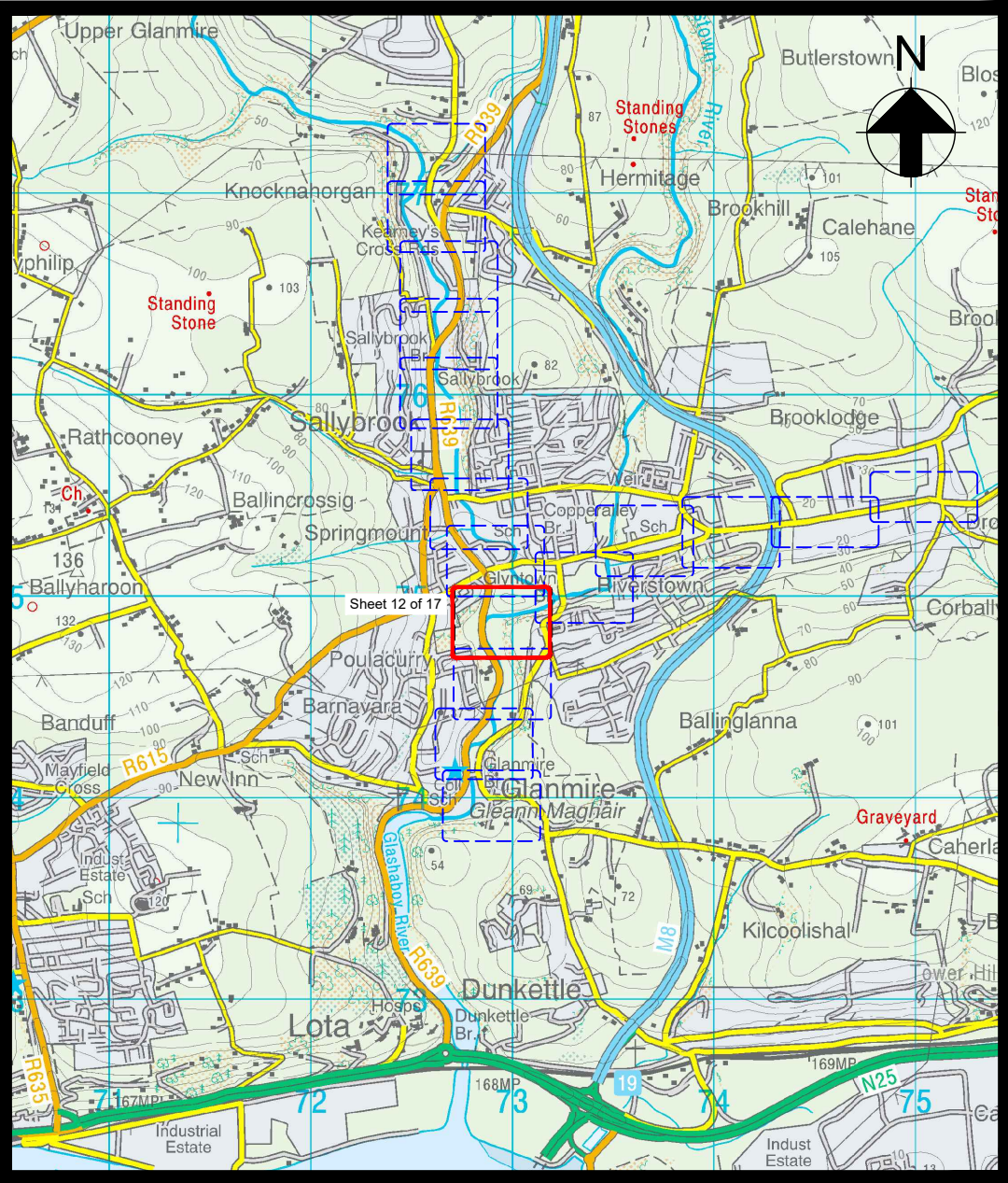
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Location Plan



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

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.

- 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_212 Proposed Flood Defences - Plan Layout (Sheet 12 of 17)

Key Plan

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



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