

| 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). |

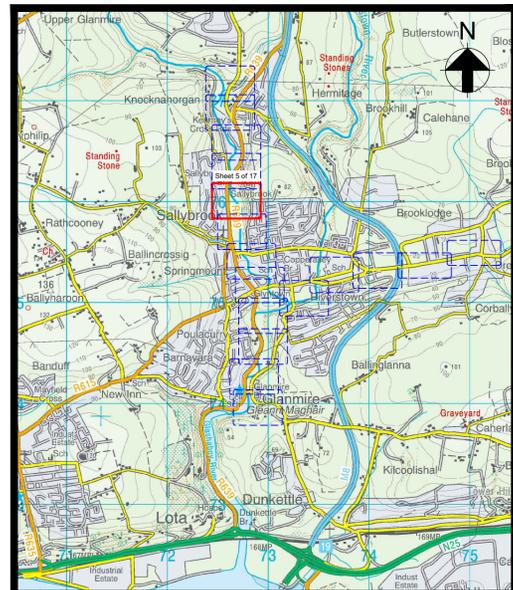
Notes:

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.

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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

Drg. No. GR\_205 Proposed Flood Defences - Plan Layout (Sheet 5 of 17)

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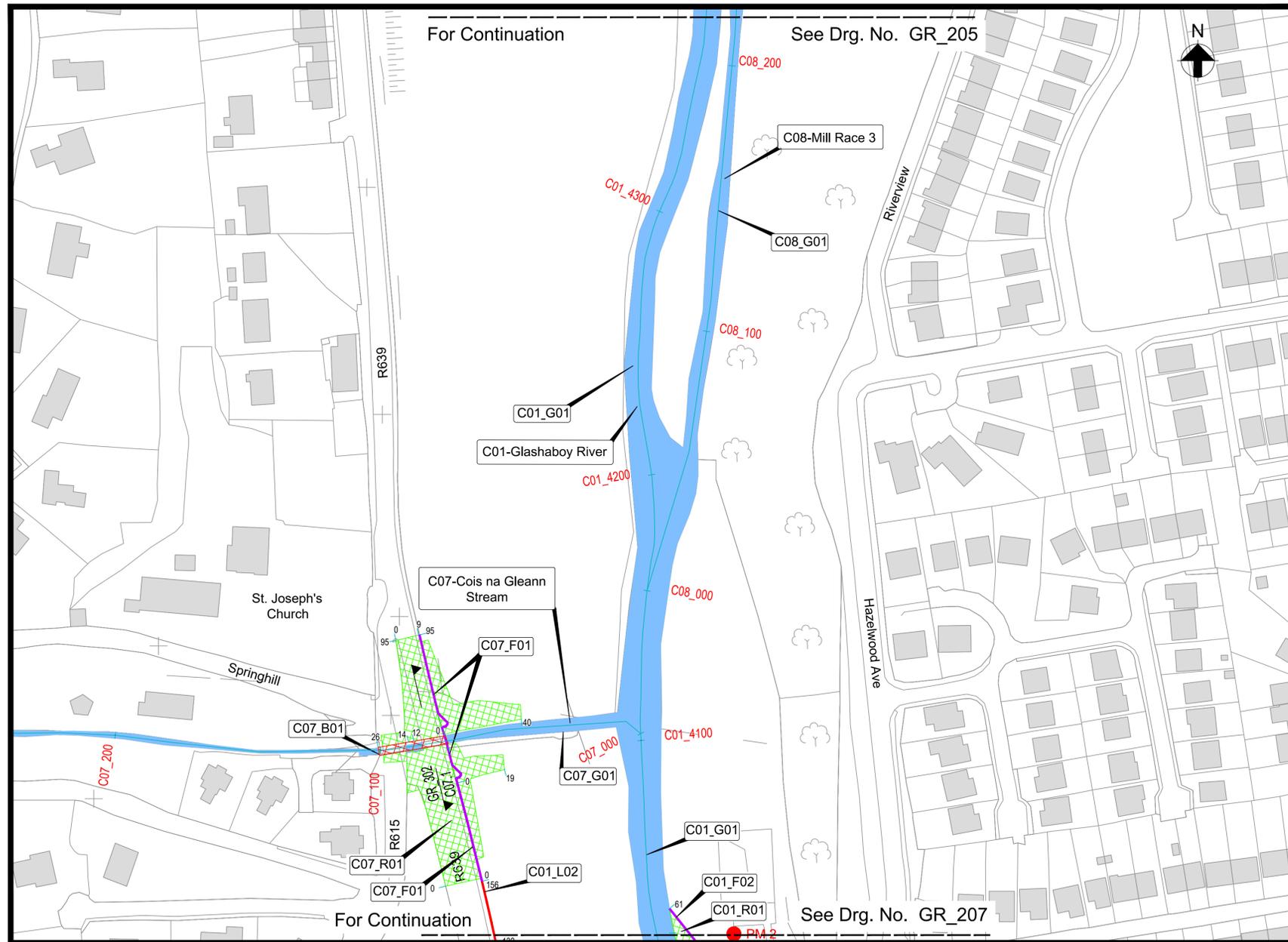
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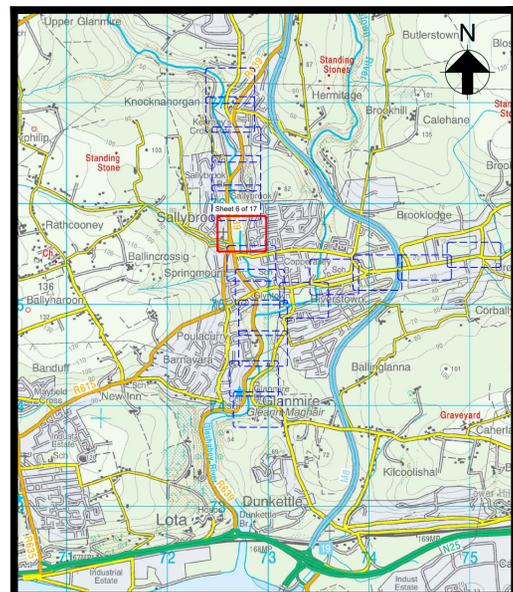
| Interference Reference | Channel Chainage | Proposed Works Chainage (m) | General Description of Proposed Works  |
|------------------------|------------------|-----------------------------|--|
| C01_G01                | 1643 to 5815     | -                           | Channel maintenance, as and when 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.

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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
- 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.)

Key Plan

Drg. No. GR\_206 Proposed Flood Defences - Plan Layout (Sheet 6 of 17)

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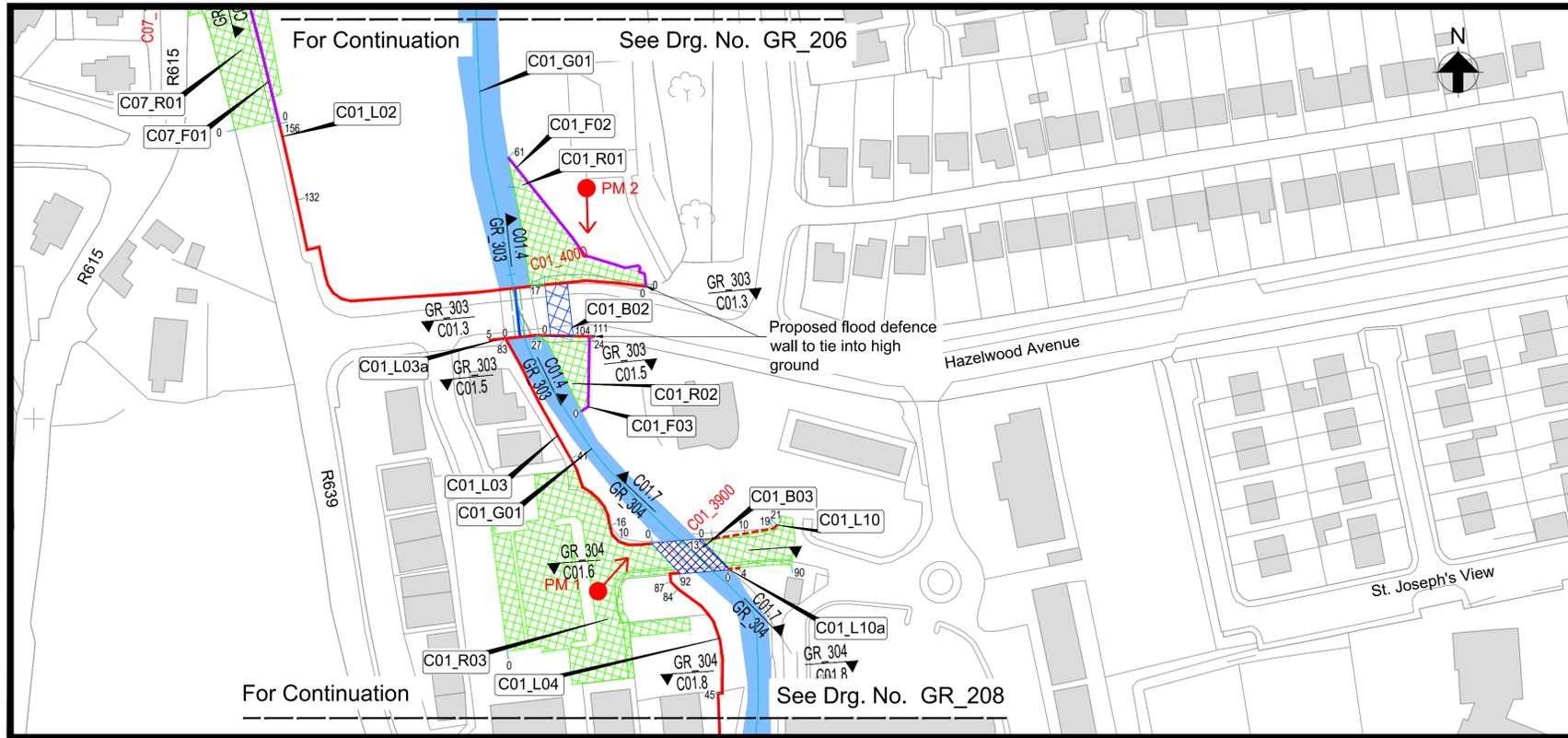
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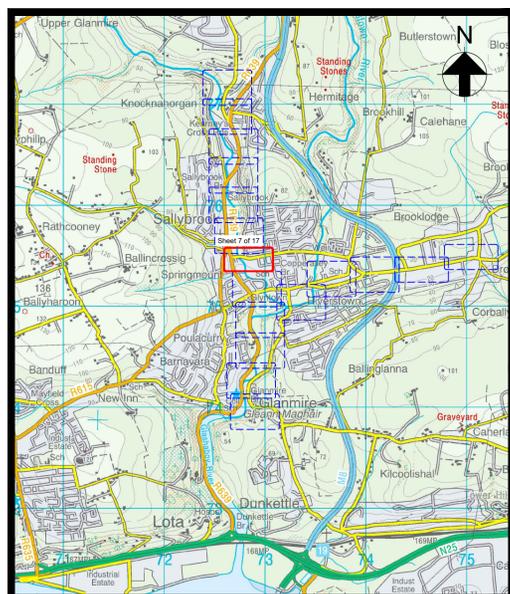


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Location Plan



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)
- Photomontage (Location, Orientation and No.)
- Interference Reference
- Location and Reference of Cross Section
- Proposed Works Chainage (m)
- Proposed Retaining Wall
- Proposed Channel Works
- Proposed New Bridge
- Proposed Regrading of Ground Levels
- Existing Culvert To Be Retained
- Proposed Reinforced Concrete Culvert
- Proposed Replacement Reinforced Concrete Culvert
- Proposed Boundary 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.
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- Sections C01.4 & C01.7 face eastwards.

Drg. No. GR\_207 Proposed Flood Defences - Plan Layout (Sheet 7 of 17)

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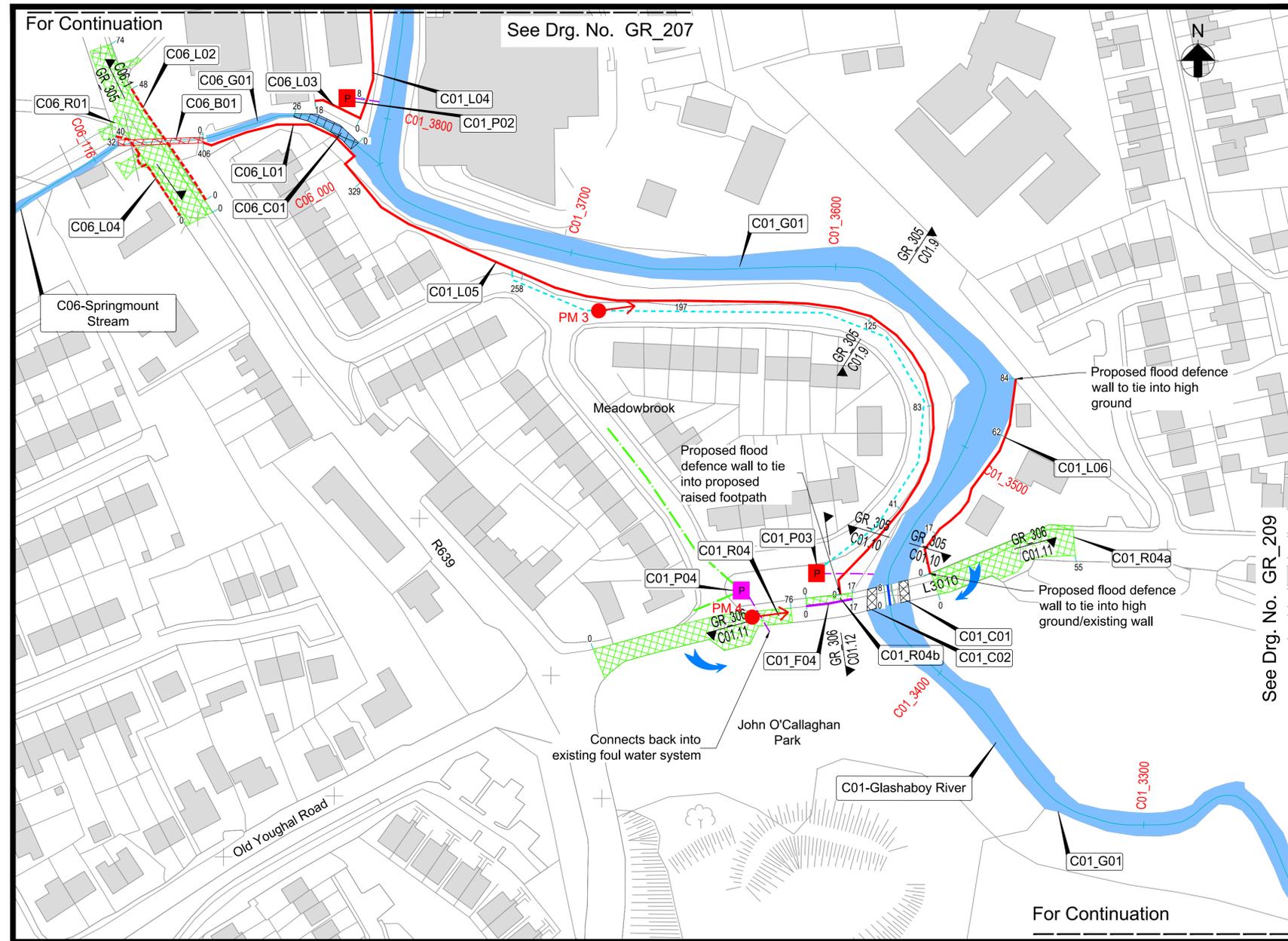
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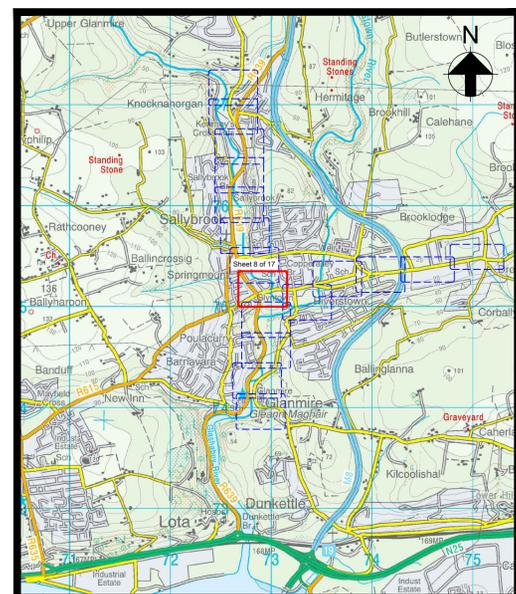
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Location Plan



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 Regrading of Ground Levels
- Existing Bridge Arch to be Cleared
- Proposed Foul/Combined pipe
- Proposed Boundary Works
- Proposed Surface Water Overland Flow Route
- Existing Bridge/Culvert To Be Retained
- Proposed Flood Defence Wall
- Proposed Reinforced Concrete Culvert
- Proposed Retaining Wall
- Proposed Replacement Reinforced Concrete Culvert
- Proposed Drain (Surface Water)
- Proposed Pumping Station (Surface Water)
- Proposed Pumping Station (Foul Water)
- Proposed Rising Main (Surface Water or Foul Water)
- Proposed works to channel bed



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  |
|------------------------|------------------|-----------------------------|--|
| 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 (C01_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_L03                | 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_B01                | 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     | 17 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:

- Do not scale from drawing.
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- 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)



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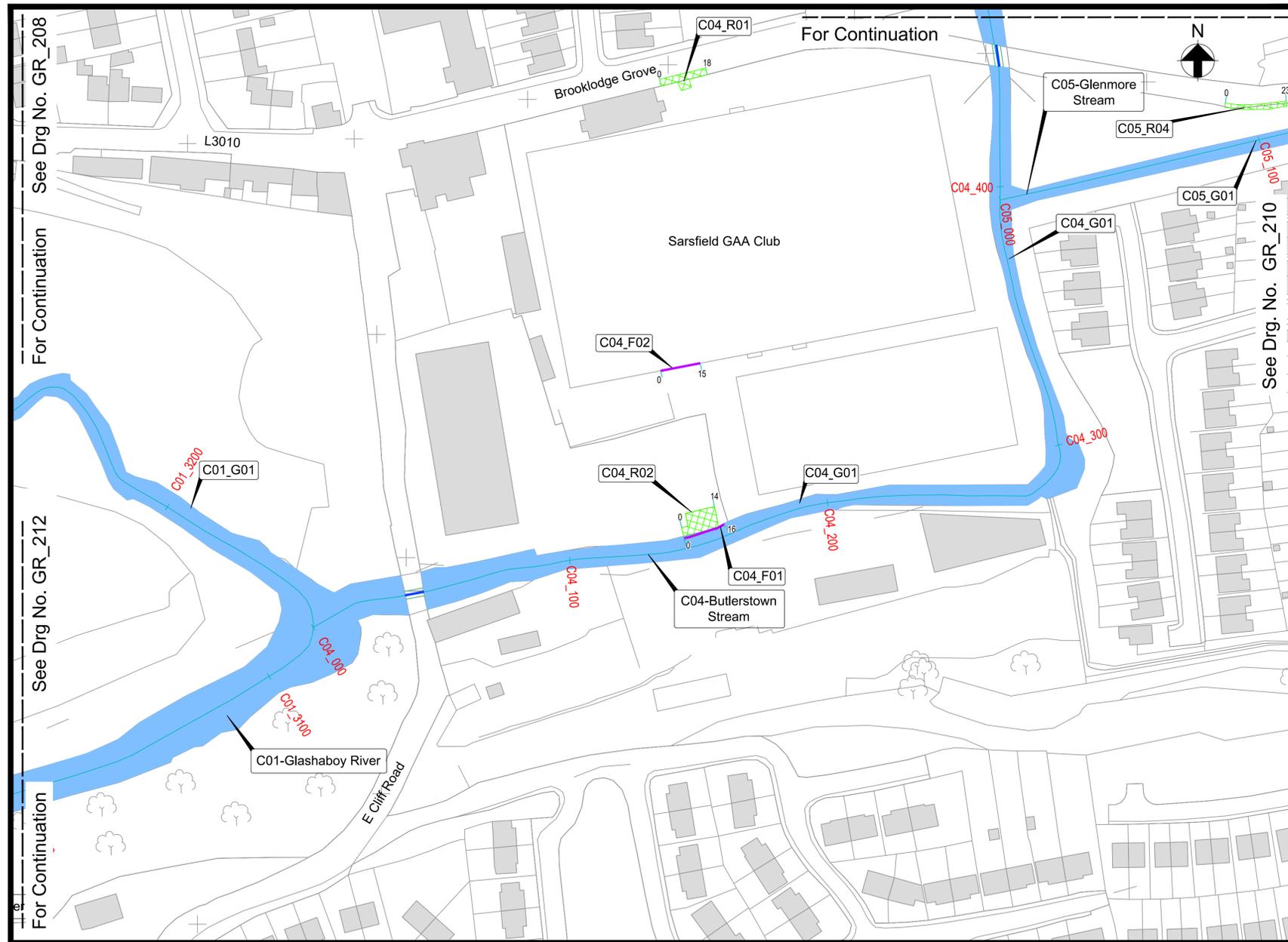
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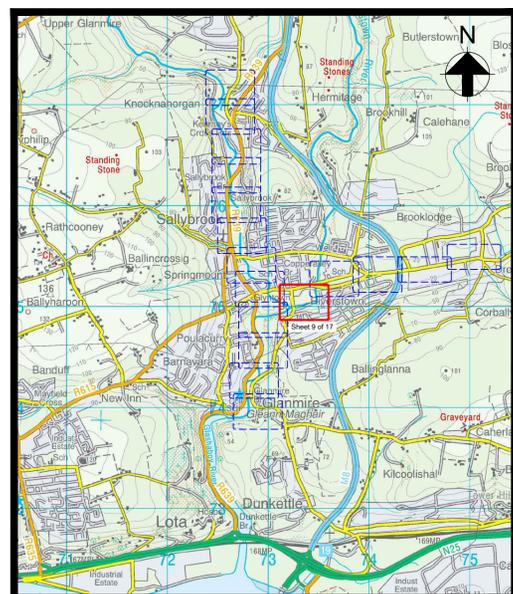
| Interference Reference | Channel Chainage | Proposed Works Chainage (m) | General Description of Proposed Works  |
|------------------------|------------------|-----------------------------|--|
| C04_R01                | -                | 0 to 18                     | Proposed localised road and footpath 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:
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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
-  Proposed Works Chainage (m)
-  Existing Bridge/Culvert to be Retained
-  Proposed Boundary Works
-  Proposed Regrading of Ground Levels

Key Plan

Drg. No. GR\_209 Proposed Flood Defences - Plan Layout (Sheet 9 of 17)

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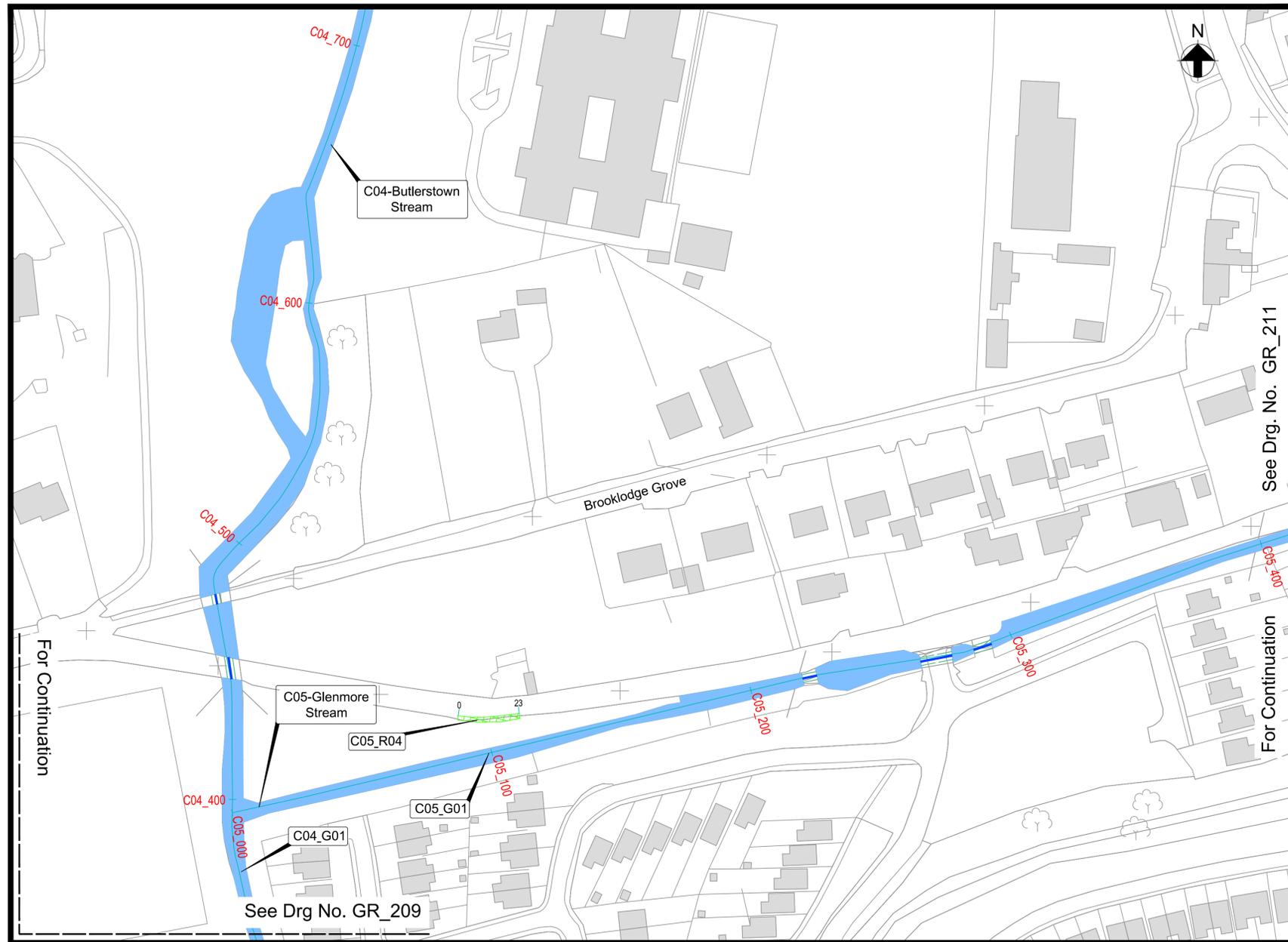
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| Interference Reference | Channel Chainage | Proposed Works Chainage (m) | General Description of Proposed Works  |
|------------------------|------------------|-----------------------------|--|
| C05_R04                | 90 to 113        | 0 to 23                     | 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. |

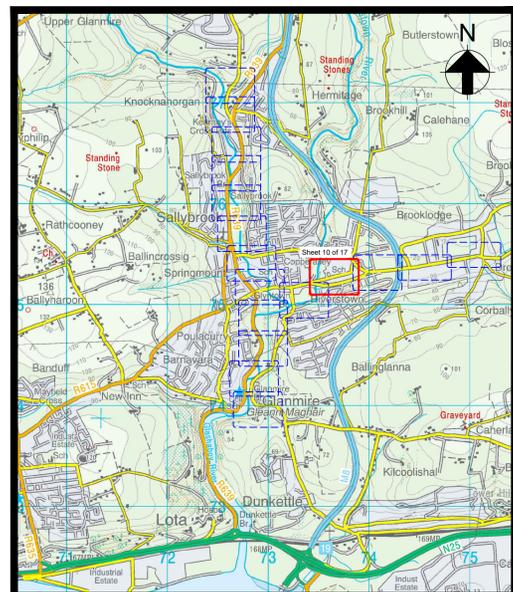
Notes:

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.

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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
-  Proposed Works Chainage (m)
-  Existing Culvert To Be Retained
-  Proposed Regrading of Ground Levels

Key Plan

Drg. No. GR\_210 Proposed Flood Defences - Plan Layout (Sheet 10 of 17)

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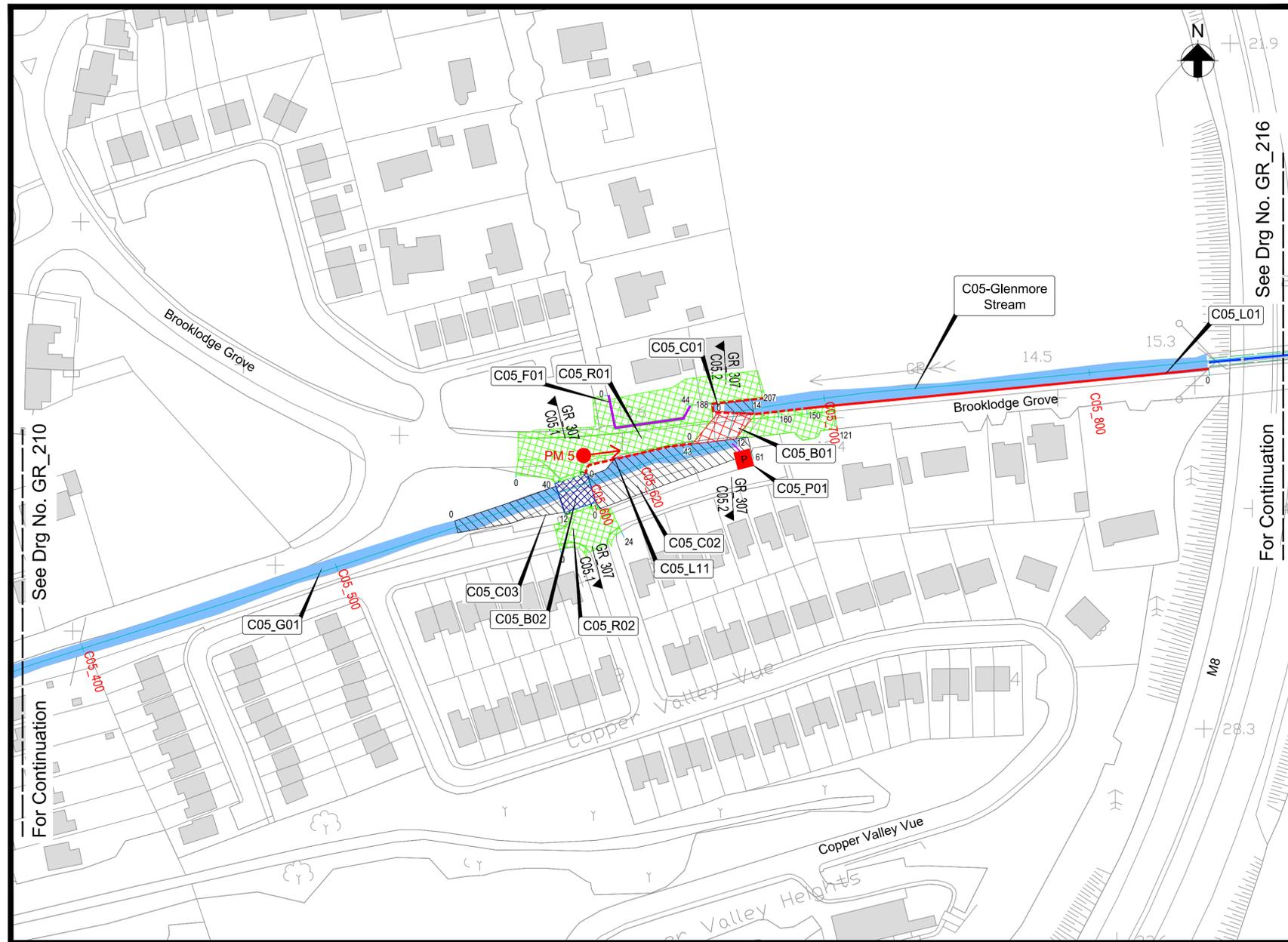
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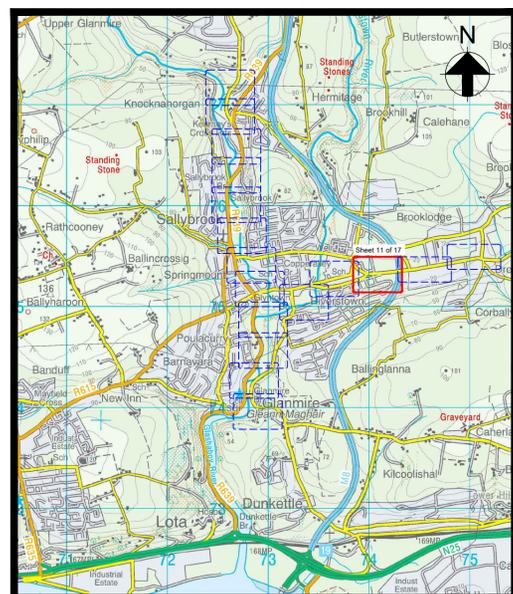
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Location Plan



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



Key to Plan

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

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- All sections on this drawing are taken looking downstream.

Drg. No. GR\_211 Proposed Flood Defences - Plan Layout (Sheet 11 of 17)

Key Plan

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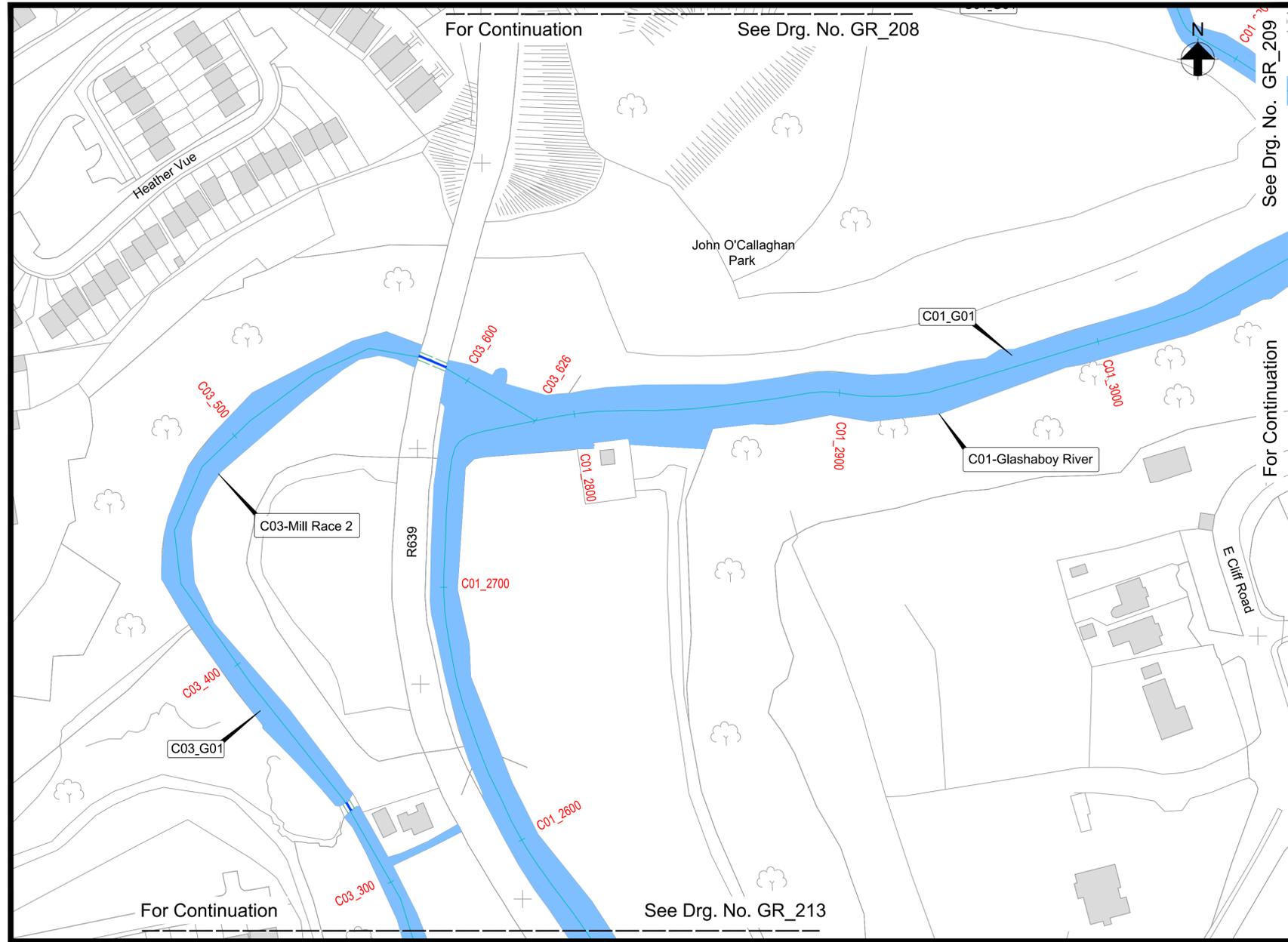
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| Interference Reference | Channel Chainage | Proposed Works Chainage (m) | General Description of Proposed Works  |
|------------------------|------------------|-----------------------------|--|
| C01_G01                | 1643 to 5815     | -                           | 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.  |

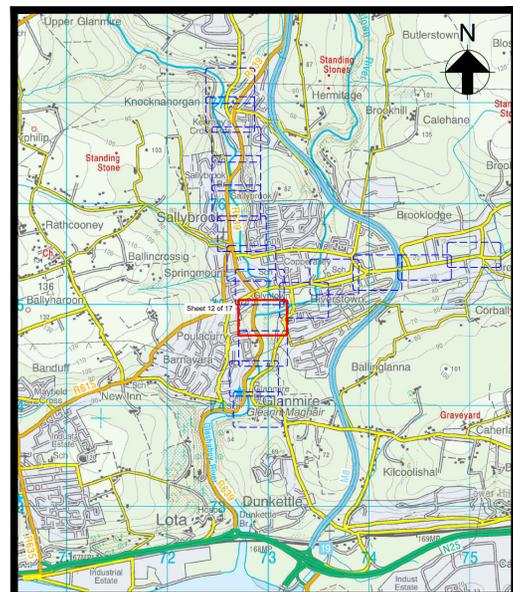
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Location Plan



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

Drg. No. GR\_212 Proposed Flood Defences - Plan Layout (Sheet 12 of 17)

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