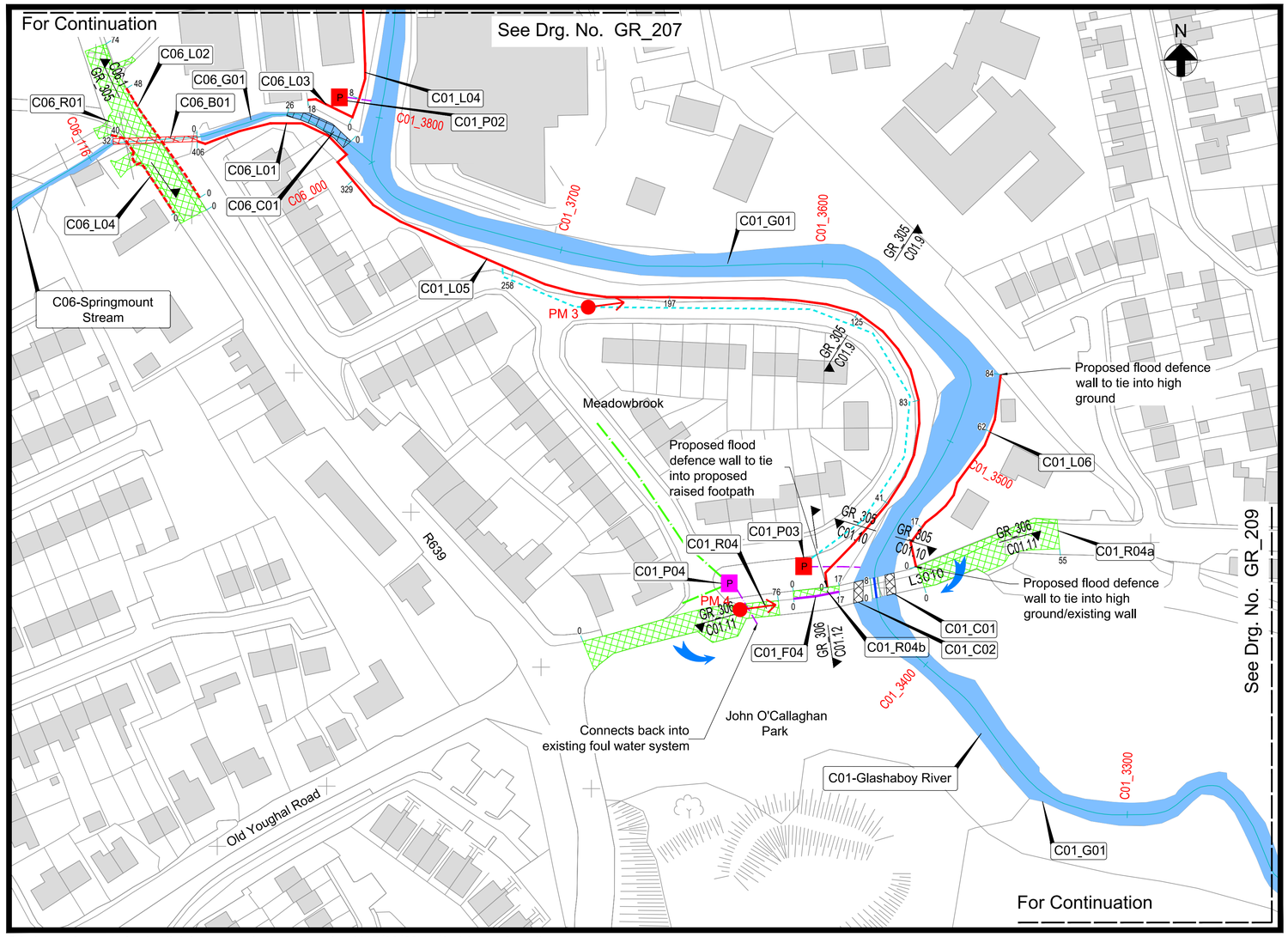
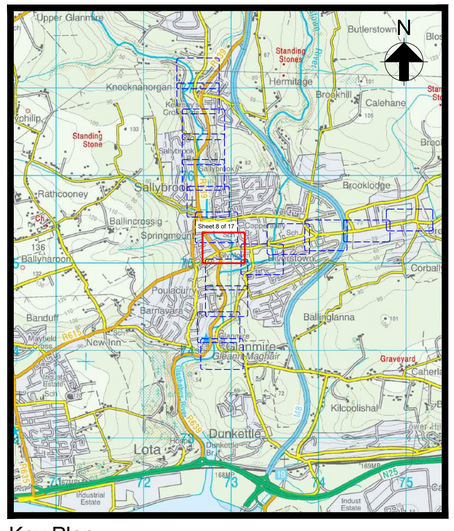
Glashaboy River (Glanmire/Sallybrook) Drainage Scheme

Issued for Confirmation May 2018



Location Plan



Key Plan

Key to Plan

0 5 10 20 50 Metres

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

- Watercourse
- C08_300 — Channel Centreline, Reference (C08) and Chainage (300m)
- PM 1 — Photomontage (Location, Orientation and No.)
- C08_B01 — Interference Reference
- GR_301 C01.1 / GR_301 C01.1 — Location and Reference of Cross Section
- 50 — 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)
- P — Proposed Pumping Station (Surface Water)
- P — Proposed Pumping Station (Foul Water)
- Proposed Rising Main (Surface Water or Foul Water)
- Proposed works to channel bed

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:
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)

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