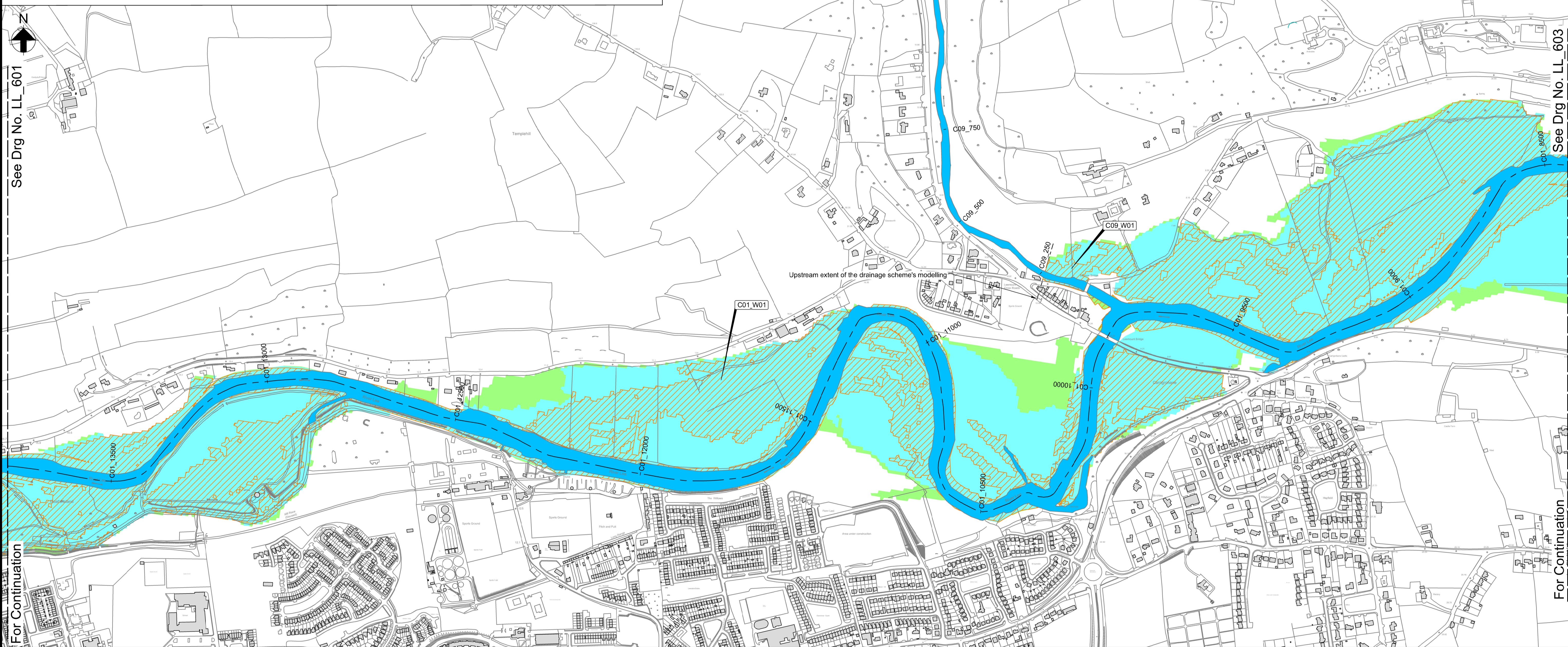


Flood State Ref.	Description of Flood State	General Action Required (Dam Discharge)	Envisaged Frequency of Occurrence post-scheme	Historic Frequency of discharges (based on review of last 10 years of record)	Notes
D	Period between 96 and 48 hours before inflows to Carrigadrohid predicted to exceed 180m ³ /s.	Draw reservoirs down to Flood Risk Level (FRL), based on rate calculated by FFS, which will not normally exceed discharge of 150m ³ /s from Inniscarra.	Considered likely to occur on average up to 10 to 15 days per year .	For 100 days over last 10 years, discharges exceeded 150m ³ /s so 10 days per year on average.	Negligible change envisaged in discharges up to 150m ³ /s.
C	Period between 48 and 24 hours before inflows to Carrigadrohid predicted to exceed 285m ³ /s.	Discharge up to 200m³/s from Inniscarra (or as close to as possible given available head at dam gates).	Considered likely to occur on average up to 4 days per year .	For 33 days over last 10 years, discharges exceeded 200m ³ /s so 3 days per year on average.	Very marginal increase in frequency envisaged in discharges of between 150m ³ /s to 200m ³ /s.
B	Period between 24 and 3 hours before inflows to Carrigadrohid predicted to exceed 285m ³ /s.	Discharge up to 300m³/s from Inniscarra (or as close to as possible given available head at dam gates).	Considered likely to occur on average up to 2 days per year .	Only one occurrence over last 10 years.	Discharges between 200m ³ /s and 300m ³ /s will become significantly more frequent under the proposed scheme with an occurrence expected to occur once or twice per year. The flood extents for a 300m ³ /s discharge is illustrated on this drawing for information. This action is needed to ensure storage is available during the peak of extreme events.
A	When the 400m ³ /s threshold inflow to Carrigadrohid is crossed (or forecast based on observed rainfall) to be exceeded at a short lead time of 3 hours).	Manage flow at 540m ³ /s or less through Cork by adjusting Inniscarra discharge allowing for predicted inflow from downstream tributaries. (FFS will calculate required discharge). Discharge from Inniscarra likely to be between 300m³/s and 400m³/s.	Considered likely to occur on average, once every 3 to 5 years .	Only one occurrence over last 10 years.	Minor increase in the frequency of such discharges as this will only occur around the peak of extreme events. The post-scheme 1% AEP flood extents is illustrated on this drawing for information.

Interference Reference	Channel Chainage (m)	General description of new works
C01_W01	C01_3600 to C01_18795	The areas designated as "Washlands" are those areas adjacent to the river (and part of the Lee floodplain) which under the Scheme, will be deliberately flooded in advance of a forecasted extreme event, to facilitate pre-emptive lowering of water levels in Carrigadrohid and Inniscarra reservoirs, to create additional storage/attenuation capacity, and subsequently reduce the peak flow during the event.
C09_W01	C09_0 to C09_250	The areas designated as "Washlands" are those areas adjacent to the river (and part of the Lee floodplain) which under the Scheme, will be deliberately flooded in advance of a forecasted extreme event, to facilitate pre-emptive lowering of water levels in Carrigadrohid and Inniscarra reservoirs, to create additional storage/attenuation capacity, and subsequently reduce the peak flow during the event.



Location Plan Scale 1:5,000 at A1 Scale 1:10,000 at A3

- Notes:
- Do not scale from drawing.
 - The channels on this drawing have been assigned colours for the purpose of assigning identification labels and interference references.
 - This drawing should be read in conjunction with all other Lower Lee (Cork City) Drainage Scheme Exhibition Drawings and Schedules.

Legend:

- Flood Extents for current maximum Inniscarra pre-flood discharge of 150m³/s (assuming median annual flood on downstream tributaries)
- Proposed Washlands: Flood Extents for proposed maximum Inniscarra pre-flood discharge of 300m³/s (assuming median annual flood on downstream tributaries)
- Post-scheme 1% AEP Fluvial Flood Extents
- Watercourse

Drg. No. LL_602 Designated Washlands / Floodplains (Sheet 2 of 4)

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