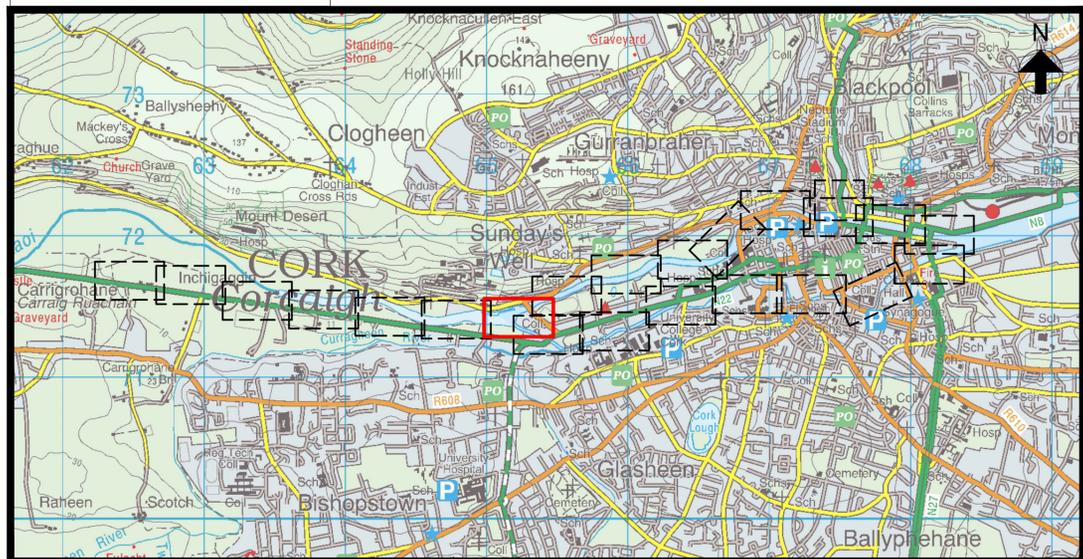


Location Plan

Notes:

1. Do not scale from drawing.
2. Proposed works geometry and extents are subject to detailed design.
3. This drawing should be read in conjunction with all other Lower Lee (Cork City) Drainage Scheme Exhibition Drawings and Schedules.

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Key Plan

Key to Plan

- Watercourse
- Channel centreline, reference (C01) and chainage (300m)
- Photomontage (Location, Orientation and No.)
- Interference reference.
- Location and reference of cross section
- Proposed works chainage (m)
- Flood defence wall
- Proposed retaining wall
- Proposed flood defence embankment
- Proposed regrading of ground levels
- Proposed bridge
- Proposed elevated landing
- Proposed pumping station (surface water)
- Proposed manhole (surface water)
- Proposed drain (surface water)
- Proposed rising main (surface water)
- Proposed pedestrian walkway

Interference Reference	Scheme Element Chainage (m) (DS-US)	Channel Chainage (m)	General Description of New Works
NNC_L13	159 to 252	C01_4931 to C01_5019	Proposed sheet pile flood defence wall to be constructed to design flood level of 4.90mOD, typically 1.2m above existing ground levels. Wall to tie into existing wall at western end. All drainage outfalls to be fitted with non return valves.
NNC_L13a	0 to 72	C01_5030 to C01_5092	Proposed sheet pile flood defence wall to be constructed in channel to flood defence level of 5.80mOD, typically 2.0m above existing ground levels on the dry side and 0.6m above floor levels. Proposed wall to tie into bridge abutment at eastern end and the proposed wall at the western end. All drainage outfalls to be fitted with non return valves.
NNC_L13a	72 to 88	C01_5092 to C01_5110	Proposed reinforced concrete flood defence wall to be constructed to flood defence level of 5.80mOD, typically 1.2m above existing ground levels. Wall to tie into the proposed wall at the eastern end and the proposed regrading at the western end. All drainage outfalls to be fitted with non return valves.
NNC_R07	0 to 38	C01_5100 to C01_5139	Proposed vehicular access ramp to maintain access to the river bank. Ramp to have a maximum gradient of 1 in 10. Reinforced concrete retaining wall to be constructed to support the proposed ramp.
NNC_L14	0 to 216	C01_5102 to C01_5330	Proposed reinforced concrete flood defence wall to be constructed to flood defence level of 5.80mOD, up to 1.50m above existing ground levels.
NNC_L14	216 to 224	C01_5330 to C01_5340	Proposed steel flood wall to be constructed to flood defence level of 5.80mOD, up to 1.3m above existing ground levels. Wall to tie into the proposed reinforced concrete flood defence wall at both ends. The wall is to be designed to allow for infrequent and controlled short term dismantling to facilitate access to the adjacent site for maintenance.
NNC_G09	□	C01_5131 to C01_5135	Existing access to be extinguished.
NNC_P08	□	C01_5200	Proposed surface water pumping station and rising main to operate during a flood event. All outlets to be fitted with non return valves.
CIW_L02	61 to 305	C01_4652 to C01_4890	Existing concrete kerb and railing to be demolished and replaced with a reinforced concrete flood defence wall to flood defence level of 5.25mOD, typically 1.4m above existing wall level. All drainage outfalls to be fitted with non return valves.
CIW_L02	305 to 406	C01_4890 to C01_4993	Existing concrete kerb and railing to be demolished and replaced with a reinforced concrete flood defence wall to flood defence level of 5.5mOD, typically 1.4m above existing wall level. All drainage outfalls to be fitted with non return valves.
CIW_G05	□	C01_4929 to C01_4934	Proposed steps to be provided over the proposed flood defence wall to maintain access from Mardyke Arena to the existing walkway.
CIW_R14	0 to 35	C01_4943 to C01_4987	Proposed pedestrian/maintenance vehicle access ramp. Ramp to incorporate switchbacks to achieve a maximum gradient of 1 in 20.
CIW_R16	□	C01_4987 to C01_4994	Proposed landing at flood defence level (5.55mOD)
CIW_R15	0 to 15	C01_4987 to C01_4990	Proposed vehicular access ramp at 1 in 10 gradient. Security gate to be provided on ramp.
CIW_R17	0 to 10	C01_4994 to C01_5004	Proposed pedestrian maintenance vehicle access ramp with maximum gradient of 1 in 20. Access to be provided from Western Road.
CIW_R18	0 to 40	C01_5034 to C01_5085	Existing walkway to be regraded to tie in to proposed flood defence embankment at flood defence level of 6.0mOD. Walkway to have a maximum gradient of 1 in 20 with landings provided as required.
CIW_L12	0 to 40	C01_5030 to C01_5060	Existing wall to be replaced with a reinforced concrete flood defence wall to flood defence level of 5.80mOD, up to 1.2m above existing ground levels. Wall to tie into high ground at the eastern end and the proposed embankment at the western end.
CIW_R19	0 to 28	C01_5065 to C01_5085	Proposed regrading of the existing walkway to ramp up to the proposed flood defence embankment. Regrading to have a maximum gradient of 1 in 10 with landings provided as required.
CIW_E13	0 to 84	C01_5050 to C01_5102	Proposed flood defence embankment to flood defence level of 6.0mOD, typically 1.9m above existing ground levels. Embankment to tie into flow control structure at southern end and the proposed ramped walkway at the eastern end.
CIW_R20	0 to 35	C02_3525 to C02_3576	Existing walkway to be regraded to tie in to the proposed flood defence embankment at flood defence level of 6.0mOD. Walkway to have a maximum gradient of 1 in 10 with landings provided as required.
□WW_06	□	C02_3540	Proposed flow regulation structure. The width of the channel is to be reduced to 15m. The structure will be closed during extreme flood events to reduce flow in the south channel. The existing footbridge is to be removed and replaced with a vehicular bridge.
□WW_R20	0 to 201	C02_3518 to C02_3708	Proposed regrading of the existing car park, access road and riverside walkway to achieve a crest at flood defence level of 5.8mOD at the proposed flow control structure. Proposed levels will be up to 1m above existing ground levels.
□WW_P14	□	C02_3525	Proposed surface water pumping station and rising main to operate during a flood event. All outlets to be fitted with non return valves.
□WW_L10	0 to 156	C02_3537 to C02_3693	Proposed reinforced concrete flood defence wall to be constructed on the south side of the existing public footpath to a flood defence level of 5.8mOD, up to 1.2m above existing footpath levels and 1.5m above the existing car park Kingsley Hotel levels. The existing river wall and safety railing are to be retained (safety railing may be temporarily removed and reinstated to facilitate the works).
□WW_G09	□	C02_3682 to C02_3692	Proposed steps to maintain access from the Kingsley Hotel to the existing walkway.
□WW_L10	156 to 258	C02_3692 to C02_3750 and C01_5280 to C01_5340	Proposed glass flood defence wall to be constructed on top of the proposed reinforced concrete flood defence wall to flood defence level of 5.8mOD. The proposed glass wall is to be constructed to a height of 1.2m above the existing ground levels at the Kingsley Hotel and typically 1.8m above the existing footpath levels. The existing river wall and safety railing are to be retained (safety railing may be temporarily removed and reinstated to facilitate the works). The existing steel fence between the public footpath and Kingsley Hotel is to be removed.
□WW_G08	□	C02_3700	Existing steps and access to the public footpath to be extinguished.
□WW_G07	□	C02_3728	Existing steps and access to the public footpath to be extinguished.

Drg. No. LL_214 Proposed Flood Defences Plan Layout (Sheet 14 of 30)

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