

Location Plan

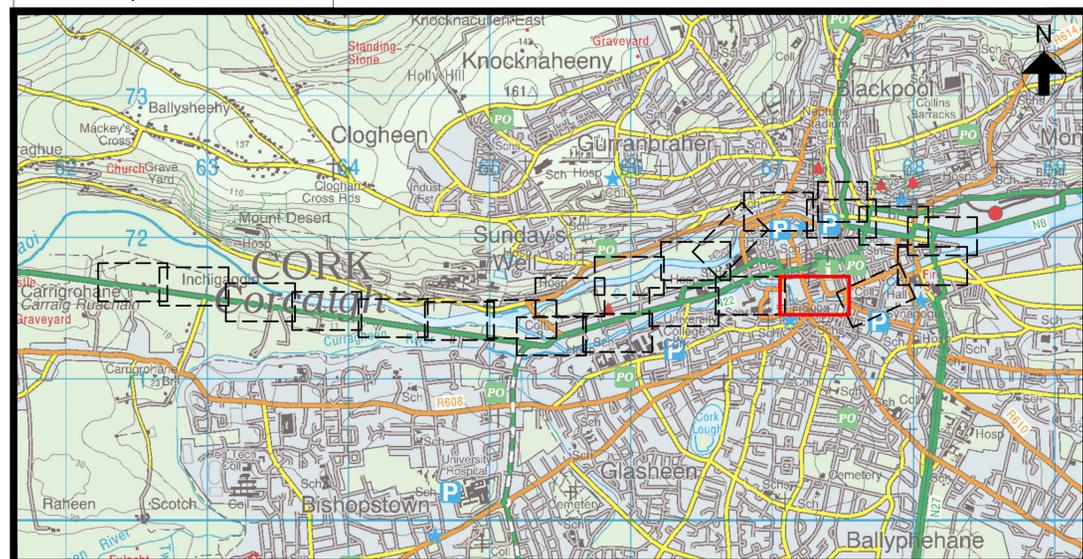
0 5 10 20 50 Metres

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

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

Scale 1:25,000 at A1
Scale 1:50,000 at A3

Key to Plan

- Watercourse
- Channel centreline, reference (C01) and chainage (300m)
- PM 01 Photomontage (Location, Orientation and No.)
- CELL_B01 Interference reference.
- CELL.1 LL_301 Location and reference of cross section
- 50 Proposed works chainage (m)
- Flood defence wall
- Demountable flood defence (type varies)
- Existing surcharged culvert
- Land to be reclaimed
- Proposed pumping station (surface water)
- Proposed manhole (surface water)
- Proposed drain (surface water)
- Proposed rising main (surface water)

Interference Reference	Scheme Element Chainage (m) (DS-US)	Channel Chainage (m)	General Description of New Works
SSC_P04		C02_1000	Proposed surface water pumping station and rising main to operate during a flood event. All outlets to be fitted with non return valves.
SSC_L06	0 to 132	C02_950 to C02_1090	The existing concrete kerb and railing are to be demolished and replaced with a new reinforced concrete flood defence parapet to flood defence level of 3.50mOD, typically 0.6m above existing ground levels. Railing to be constructed to guard height, typically 0.6m above proposed wall level. Wall is to tie into existing high ground at Parliament Bridge and footpath is to be widened to 4m along quay length. The existing quay wall and foundation piles are to be grouted. Possible additional strengthening works may include the incorporation of micro piles. The face of the existing wall is to be cleaned and repointed and the stonework repaired where necessary. All outlets to be fitted with non return valves.
SSC_L06	132 to 136	C02_1090 to C02_1094	Proposed demountable pedestrian access gate to flood defence level of 3.50mOD across entrance to Nano Nagle Bridge, (no pedestrian access during flood event).
SSC_L06	136 to 177	C02_1094 to C02_1135	Proposed reinforced concrete parapet to be constructed to flood defence level of 3.50mOD, typically 1.2m above existing ground levels. Existing historical bollards and cycle lane are to be maintained along quay. The existing quay wall and foundation piles are to be grouted. Possible additional strengthening works may include the incorporation of micro piles. The face of the existing wall is to be cleaned and repointed and the stonework repaired where necessary. All drainage outfalls to be fitted with non return valves.
SSC_L06	177 to 183	C02_1135 to C02_1139	Proposed steps over defences to maintain access to channel. Crest level of steps to tie into defences at 3.50mOD. Guard rail to be fitted along existing steps. Existing historical bollards and cycle lane are to be maintained along quay. The existing quay wall and foundation piles are to be grouted. Possible additional strengthening works may include the incorporation of micro piles. The face of the existing wall is to be cleaned and repointed and the stonework repaired where necessary. All drainage outfalls to be fitted with non return valves.
SSC_L06	183 to 233	C02_1139 to C02_1195	The existing concrete kerb and railing are to be demolished and replaced with a new reinforced concrete flood defence parapet to flood defence level of 3.50mOD, typically 0.6m above existing ground levels. Railing to be constructed to guard height, typically 0.6m above proposed wall level. Wall is to tie into existing high ground adjacent to South Gate Bridge and existing cycle lane is to be maintained along quay. The existing quay wall and foundation piles are to be grouted. Possible additional strengthening works may include the incorporation of micro piles. The face of the existing wall is to be cleaned and repointed and the stonework repaired where necessary. All outlets to be fitted with non return valves.
SSC_L07	0 to 30	C02_1210 to C02_1240	Existing parapet extends over flood defence level of 3.50mOD and is to be maintained.
SSC_L07	30 to 122	C02_1240 to C02_1320	Existing parapet extends over flood defence level of 3.50mOD and is to be maintained. The existing quay wall and foundation piles are to be grouted. Possible additional strengthening works may include the incorporation of micro piles. Soil backing pile is to be grouted. The face of the existing wall is to be cleaned and repointed and the stonework repaired where necessary.
SSC_L07	122 to 124	C02_1320	Proposed demountable pedestrian access gate to flood defence level of 3.50mOD. The existing quay wall and foundation piles are to be grouted. Possible additional strengthening works may include the incorporation of micro piles. The face of the existing wall is to be cleaned and repointed and the stonework repaired where necessary.
SSC_L01	0 to 90	C02_1300	Existing culvert to be pressurised during a flood event. Repairs to the existing culvert and work to internal joints to be carried out where necessary. All drainage outfalls to be fitted with non return valves.
SSC_P05		C02_1300	Proposed surface water pumping station and rising main to operate during a flood event. All outlets to be fitted with non return valves.
SSC_L08	0 to 66	C02_1325 to C02_1380	Proposed sheet pile wall to be constructed in channel to flood defence level of 3.50mOD. All outlets to be fitted with non return valves.
SSC_L08	66 to 117	C02_1380 to C02_1395	Proposed sheet pile wall to be constructed in channel to flood defence level of 3.50mOD, typically 1.2m above existing ground levels. All drainage outfalls to be fitted with non return valves.
SSC_L08	117 to 145	C02_1395 to C02_1480	Proposed sheet pile wall to be constructed in channel to flood defence level of 3.50mOD, typically 0.6m above existing ground levels. Railing to be constructed to guard height, typically 0.6m above proposed wall level. All drainage outfalls to be fitted with non return valves.

Drg. No. LL_226b Proposed Flood Defences Plan Layout (Sheet 28 of 30)



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