

Location Plan

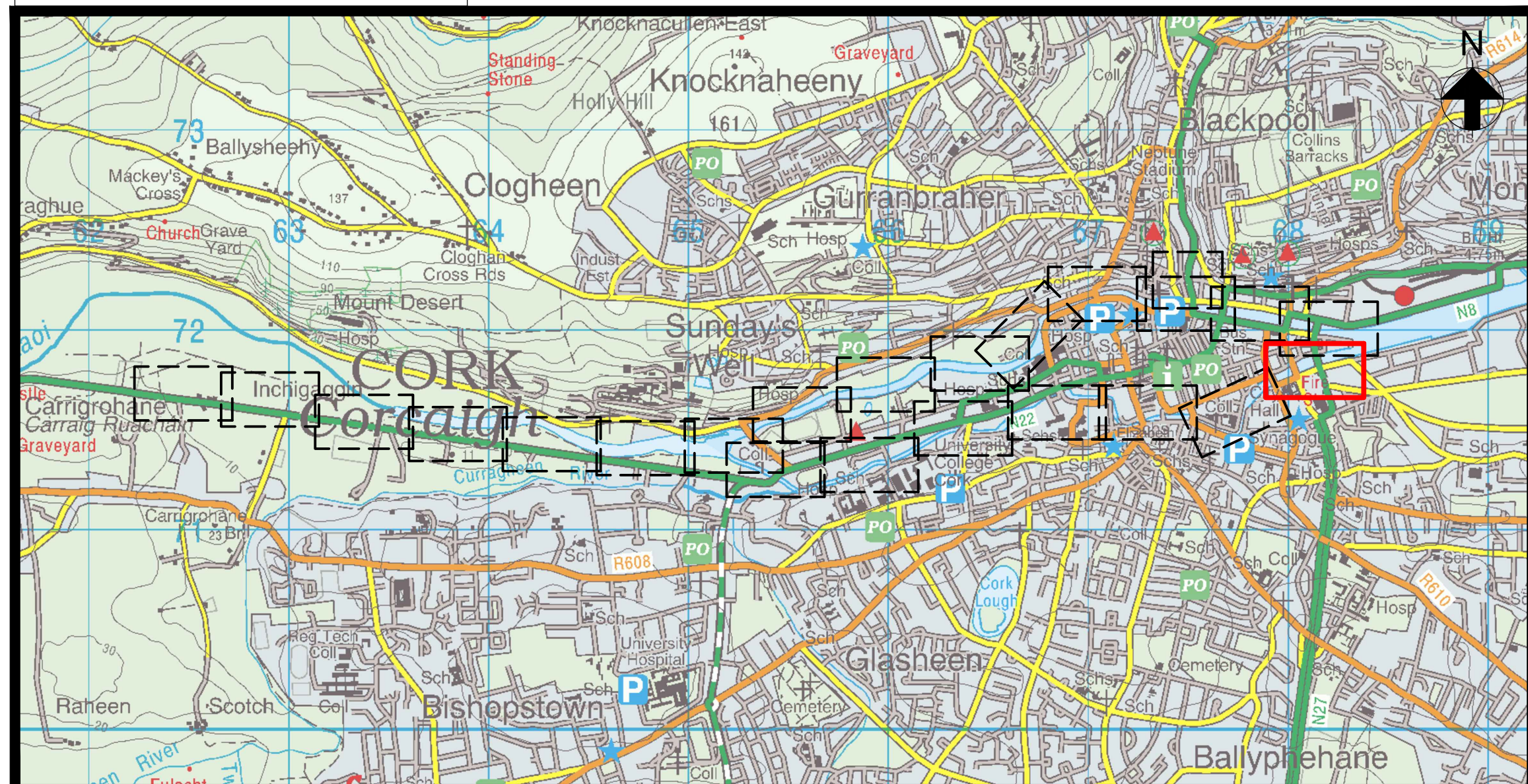
0 5 10 20 50 Metres

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)
- Photomontage (Location, Orientation and No.)
- Interference reference.
- Location and reference of cross section
- Proposed works chainage (m)
- Flood defence wall
- Demountable flood defence (type varies)
- Proposed retaining wall
- Proposed regrading of ground levels
- Existing surcharged bridge / 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
CIE_R01	0 to 138	C01_1900	The existing road and footpath are to be re-graded. Crest level of flood defence level of 3.40mOD is to be maintained between Eamon De Valera Bridge and Michael Collins Bridge along west side of road. Retaining walls to be constructed along footpath at western side to ensure safe pedestrian access along ramped sections. Surface water to be directed towards pumping station CIE_P01.
CIE_L14	0 to 5	C02_140 to C02_145	Proposed glass flood defence wall to flood defence level of 3.40mOD or 0.9m above existing ground levels
CIE_L14	5 to 7	C02_145 to C02_147	Proposed demountable access gate to be erected to flood defence level of 3.40mOD
CIE_L14	7 to 15	C02_147 to C02_155	Proposed glass flood defence wall to flood defence level of 3.40mOD or 0.9m above existing ground levels
CIE_L14	15 to 20	C02_155 to C02_160	Proposed 0.4m high flood barrier to flood defence level of 3.40mOD.
CIE_L14	20 to 45	C02_160 to C02_183	Proposed glass flood defence wall to flood defence level of 3.40mOD or 0.9m above existing ground levels
CIE_L14	45 to 50	C02_183 to C02_188	Proposed 0.4m high flood barrier to flood defence level of 3.40mOD.
CIE_L14	50 to 78	C02_188 to C02_216	Proposed glass flood defence wall to flood defence level of 3.40mOD or 0.9m above existing ground levels
CIE_L14	78 to 80	C02_216 to C02_218	Proposed demountable access gate to be erected to flood defence level of 3.40mOD
CIE_L14	80 to 87	C02_218 to C02_225	Proposed glass flood defence wall to flood defence level of 3.40mOD or 0.9m above existing ground levels
CIE_L14	87 to 92	C02_225 to C02_230	Proposed 0.4m high flood barrier to flood defence level of 3.40mOD.
CIE_L14	92 to 97	C02_230 to C02_235	Proposed glass flood defence wall to flood defence level of 3.40mOD or 0.9m above existing ground levels. Glass barrier to tie into existing stone wall along footpath.
CIE_L14	97 to 103	C02_235 to C02_240	Existing masonry wall to be maintained as part of scheme.
CIE_B05	-	C02_250	Four no. proposed demountable pedestrian access gates to flood defence level of 3.50mOD across footpaths along Clontarf Bridge (no pedestrian access during flood event). Existing bridge structure to be modified to incorporate steel flood defence upstand circa 0.5m high to 3.50mOD between road and footpath.
CIE_L15	0 to 103	C02_260 to C02_360	The existing concrete kerb and railing are to be demolished and replaced with proposed reinforced concrete flood defence parapet to flood defence level of 3.50mOD, typically 0.6m above proposed ground levels. Railing to be constructed to guard height, typically 0.6m above proposed parapet level. The existing quay wall and foundation zones are to be grouted. The granular soil backing zone is to be grouted. 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.
CIE_P08	-	C02_310	Proposed surface water pumping station and rising main to operate during a flood event. All outlets to be fitted with non-return valves
CIE_R04	0 to 122	C02_255 to C02_360	Road is to be regraded, section of perpendicular parking layout to be replaced with herringbone parking along riverside. Proposed traffic table top solution at eastern extent to create smooth transition between quays for pedestrians. Proposed minimum 3m wide footpath to be constructed along quay. Public bike share docking station to be temporarily removed and re-instated following raising of existing ground levels.
SSC_P01	-	C02_100	Proposed surface water pumping station and rising main to operate during a flood event. All outlets to be fitted with non-return valves
SSC_R01	0 to 95	C02_00	Existing road to be re-graded. Minimum crest level of road is to be maintained at flood defence level of 3.40mOD from junction between Victoria Road and Albert Quay East. Surface water to be directed towards pumping station SSC_P01.
SSC_L01	0 to 175	C02_00 to C02_100	Proposed reinforced concrete wall to be constructed to flood defence level of 3.40mOD, typically 1.2m above existing ground levels. The existing concrete kerb and crash barriers are to be demolished. Flood wall to tie into proposed road re-grading at eastern end. Final alignment of wall to be determined. All drainage outfalls to be fitted with non-return valves.
SSC_L01	175 to 186	C02_100 to C02_105	Proposed steel plate defence to be constructed to flood defence level of 3.40mOD on riverside of existing parapet. Steel plate to tie into high ground on bridge. All drainage outfalls to be fitted with non-return valves.
SSC_G01	-	C02_00	Existing river access point to be extinguished.
SSC_G02	-	C02_70	Existing river access point to be extinguished.
SSC_L02	0 to 91	C02_150 to C02_240	Existing wharf to be demolished and reconstruction works to be undertaken along entire quay length. Proposed sheet pile wall to be constructed on riverside of existing quay to flood defence level of 3.40mOD, typically 0.6m above existing ground levels. 0.6m of railing to be fitted on top of parapet to 1.2m above proposed ground levels. Parapet ties into high ground at each end. All drainage outfalls to be fitted with non-return valves.
SSC_P02	-	C02_240	Proposed surface water pumping station and rising main to operate during a flood event. All outlets to be fitted with non-return valves.
SSC_L03	0 to 15	C02_255 to C02_270	Proposed reinforced concrete flood defence parapet to flood defence level of 3.50mOD, typically 0.6m above existing ground levels. Railing to be provided on top of the proposed wall to achieve guard height, typically 0.6m of railing. All drainage outfalls to be fitted with non-return valves.
SSC_L03	15 to 88	C02_270 to C02_345	Proposed reinforced concrete flood defence parapet to flood defence level of 3.50mOD, typically 0.3m above existing ground levels. Guard railing is to be installed on the proposed parapet to 1.2m above existing ground level (0.9m of railing). All drainage outfalls to be fitted with non-return valves.
SSC_L03	88 to 93	C02_345 to C02_350	Existing bridge concrete kerb and railings are to be demolished. Proposed reinforced concrete wall to be constructed to flood defence level of 3.50mOD, typically 0.3m above existing ground levels. Guard railing is to be installed on the proposed parapet to 1.2m above existing ground level (0.9m of railing). Flood wall to tie into high ground on bridge. All drainage outfalls to be fitted with non-return valves.
SSC_R02	0 to 88	C02_255 to C02_345	Existing road to be regraded to reduce the relative height of the proposed flood defence parapet.

Drg. No. LL_224 Proposed Flood Defences - Plan Layout (Sheet 25 of 30)

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