

Location Plan

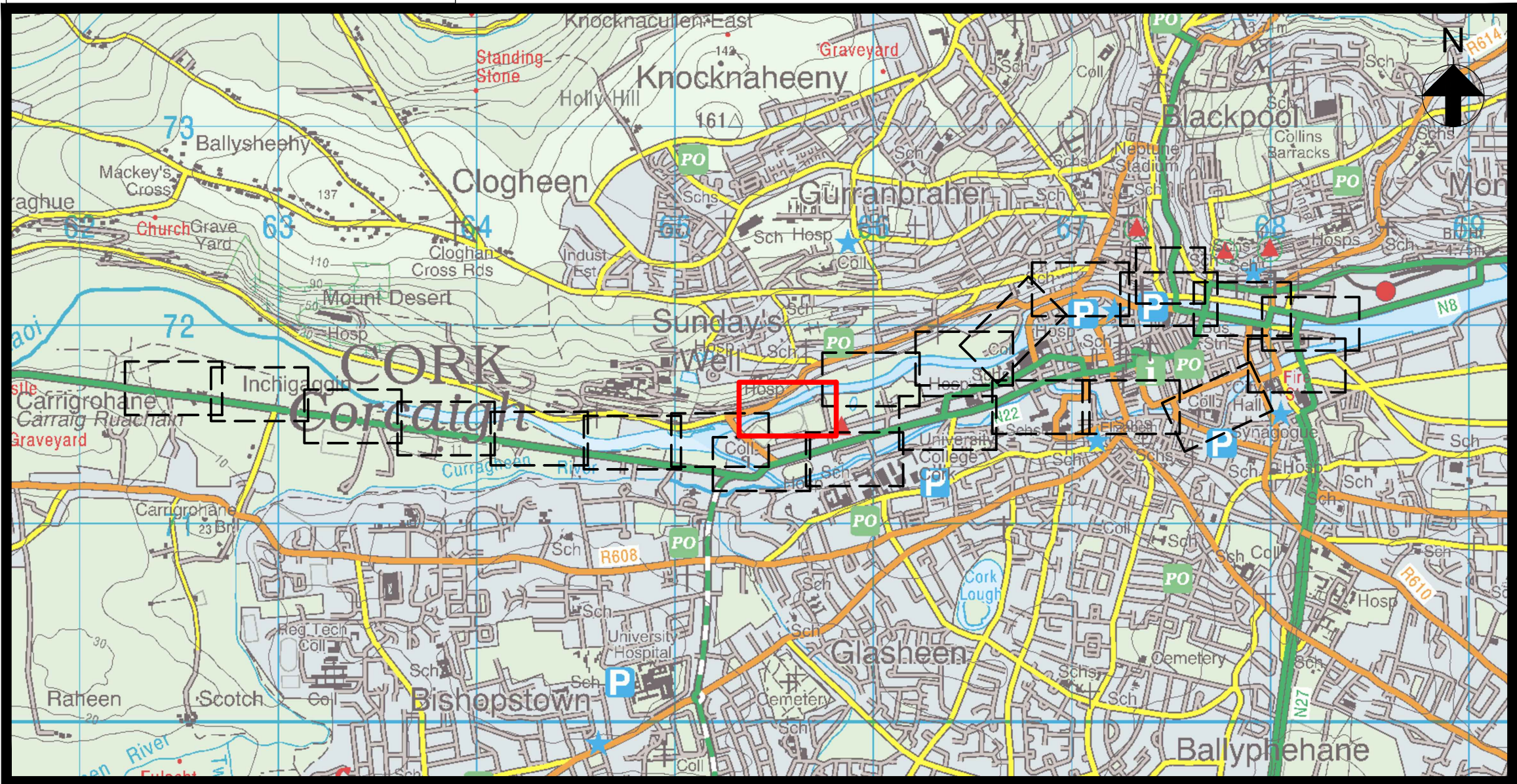


Scale 1:1,000 at A1  
Scale 1:2,000 at A3

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
- Proposed retaining wall
- Proposed flood defence embankment
- Proposed regrading of ground levels
- Proposed elevated landing
- Proposed elevated footpath
- 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
NNC_L12	0 to 23	C01_4667	Existing wall to be remediated to ensure capacity for flood loading to 5.25mOD.
NNC_L12	23 to 132	C01_4667 to C01_4785	Proposed sheet pile flood defence wall to flood defence level of 5.25mOD, up to 3.20m above existing ground levels. All drainage outfalls to be fitted with non return valves.
NNC_L12	132 to 169	C01_765 to C01_4785	Proposed reinforced concrete flood defence wall to flood defence level of 5.25mOD, typically 2m above existing ground levels. Wall to tie into existing high ground at the northern end.
NNC_L13	0 to 159	C01_4785 to C01_4931	Proposed sheet pile flood defence wall to be constructed to design flood level of 4.75mOD, typically 1.3m above existing ground levels. Wall to tie into proposed wall at eastern end. All drainage outfalls to be fitted with non return valves.
NNC_P07		C01_4835	Proposed surface water pumping station and rising main to operate during a flood event. All outlets to be fitted with non return valves.
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.
CIW_L11	0 to 259	C01_4320 to C01_4573	Proposed 1.2m high glass flood defence wall constructed on a reinforced concrete flood defence wall to flood defence level of 5.10mOD. Reinforced concrete wall is typically 1.1m above existing ground levels. All drainage outfalls to be fitted with a non return valve.
CIW_E10		C01_4481 to C01_4526	Proposed embankment to support the proposed elevated footpath at 3.9mOD. Embankment to have a side slope of 1 in 7 and tie into the proposed ramping at both ends.
CIW_R09	0 to 21	C01_4526	Proposed ramping to connect existing footpath to the proposed elevated footpath at 3.9mOD. Ramping to be at a maximum gradient of 1 in 20 with landings provided as required.
CIW_G04		C01_4533	Existing access gate to be reinstated on the proposed elevated footpath.
CIW_R10	0 to 21	C01_4540	Proposed regrading of Ferry Walk to tie into the proposed elevated footpath at 3.9mOD, typically 1.1m above existing ground levels. Regrading will be at a maximum gradient of 1 in 20.
CIW_E11		C01_4543	Proposed embankment to tie into existing ground levels at the entrance to the sports ground and the proposed regraded levels at Ferry Walk. Embankment slope will be at a maximum gradient of 1 in 10.
CIW_R11		C01_4548	Existing vehicular access to the sports ground to be regraded to tie into the proposed regrading of Ferry Walk. Regrading will be at a maximum gradient of 1 in 10.
CIW_E12		C01_4550 to C01_4573	Proposed embankment to tie into the existing ground levels at the entrance to the sports ground and the proposed regraded levels at Ferry Walk. Embankment slope will be at a maximum gradient of 1 in 10.
CIW_R12		C01_4550 to C01_4585	Proposed regrading to achieve a crest at flood defence level of 5.10mOD, up to 2.10m above existing ground levels. Regrading will be at a maximum gradient of 1 in 20 with landings provided as required.
CIW_L02	0 to 61	C01_4591 to C01_4652	Existing concrete kerb and railing to be demolished, existing gate accesses to be removed and replaced with a reinforced concrete flood defence wall to flood defence level of 5.10mOD, typically 1.60m above existing wall level. All drainage outfalls to be fitted with non return valves.
CIW_R13	0 to 51	C01_4591 to C01_4642	Proposed regrading to achieve a crest at flood defence level of 5.10mOD, an increase of up to 2.1m above existing ground levels. Regrading will be at a maximum gradient of 1 in 20 with landings provided as required.
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 1.40m above existing wall level. All drainage outfalls to be fitted with non return valves.
CIW_P06		C01_4700	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	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 5.50mOD, typically 1.40m 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. Security gate to be provided at access to steps.
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.

Drg. No. LL\_215 Proposed Flood Defences Plan Layout (Sheet 15 of 30)

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