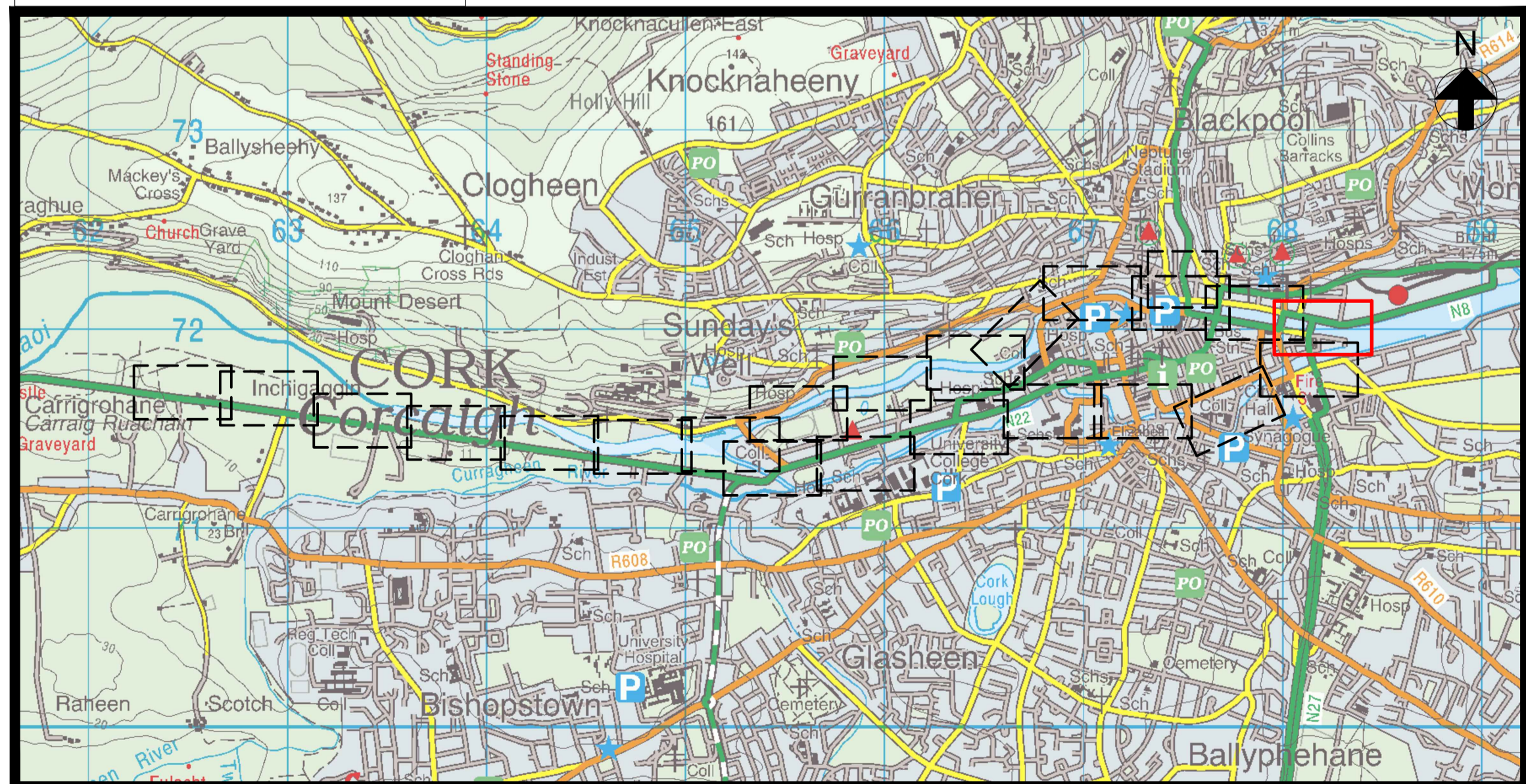


Location Plan

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.

Ordnance Survey Ireland Licence No. EN 0002816
© Ordnance Survey Ireland / Government of Ireland



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
- 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_R01	0 to 61	C01_1671 to C01_1750	Proposed localised ramping of existing road and path levels at Horgan's Quay. Ramp crest to be at flood defence level of 3.40mOD. All outlets to be fitted with non return valves.
NNC_L02	0 to 169	C01_1720 to C01_1886	The existing concrete wall is to be extended with a reinforced concrete flood defence wall to flood defence level of 3.40mOD, typically 0.6m above existing ground levels. A railing is to be provided on top of the proposed wall to achieve guard height, typically 0.6m above the proposed wall. All outlets to be fitted with non return valves.
NNC_G01	□	C01_1855	The existing access steps are to be maintained and extended to flood defence level of 3.40mOD with new reinforced concrete steps.
NNC_L03	0 to 128	C01_1919 to C01_2046	The existing concrete wall is to be extended with a reinforced concrete flood defence wall to flood defence level of 3.50mOD, typically 0.6m above existing ground levels. A railing is to be provided on top of the proposed wall to achieve guard height, typically 0.6m above the proposed wall. All outlets to be fitted with non return valves.
NNC_P01	□	C01_1973	Proposed surface water pumping station and rising main to operate during a flood event. All outlets to be fitted with non return valves.
NNC_L03	128 to 131	C01_2046 to C01_2049	Proposed demountable flood barrier to be erected to flood defence level of 3.50mOD.
NNC_L04	0 to 3	C01_2057 to C01_2060	Proposed demountable flood barrier to be erected to flood defence level of 3.60mOD.
CIE_R01	0 to 138	□	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 ridge and Michael Collins ridge 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_L02	0 to 63	C01_1919 to C01_1978	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. Section of road and footpath to be regraded to reduce relative height of wall. All outlets to be fitted with non return valves.
CIE_P01	□	C01_1982	Proposed surface water pumping station and rising main to operate during a flood event. All outlets to be fitted with non return valves.
CIE_L03	0 to 84	C01_1978 to C01_2044	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 proposed ground levels. A railing is to be provided on top of the proposed wall to achieve guard height, typically 0.6m above the proposed wall level. The existing river wall and foundation stones 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 outlets to be fitted with non return valves.
CIE_L03	84 to 87	C01_2044 to C01_2047	Proposed demountable flood barrier to be erected to flood defence level of 3.50mOD.
CIE_□01	□	C01_2045 to C01_2055	Proposed steel flood defence parapet is to be constructed along bridge footpath to flood defence level of 3.50mOD. Parapet is to tie in with bridge steelwork. Demountable defences fitted along both footpaths to maintain historical bridge railings. Flooding will be contained on the bridge footpaths during a flood event.
CIE_L04	0 to 2	C01_2059 to C01_2061	Proposed demountable flood barrier to be erected to flood defence level of 3.60mOD.

Drg. No. LL_223 Proposed Flood Defences □ Plan Layout (Sheet 24 of 30)

ARUP

One Arup & Partners Ireland Ltd.,
One Albert Quay,
Cork, Ireland.
Tel: +353 (0)21 4277670
Fax: +353 (0)21 4272345

JBA
consulting

24 Grove Island,
Coblishy,
Co Limerick,
Ireland.
Tel: +353 (0) 61 345463
Fax: +353 (0) 61 280146

Cork City Council

Cork City Council,
City Hall, Angelsea Street,
Cork, Ireland.
Tel: +353 (0) 21 4276222
Fax: +353 (0) 21 4314238

Cork County Council

Cork County Council Headquarters,
County Hall, Carrigrohane Road,
Cork, Ireland.
Tel: +00 353 (0) 21 4276891
Fax: +00 353 (0) 21 4276321

OPW

51 St. Stephen's Green,
Dublin 2,
Ireland.
Tel: +353 (0) 1 647 6000
Fax: +353 (0) 1 661 0747