

Location Plan

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

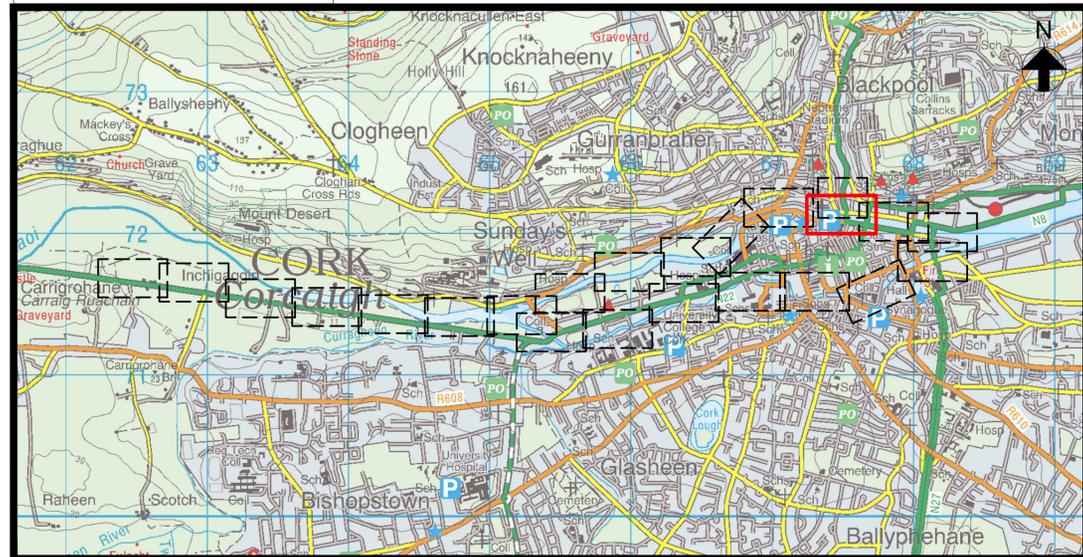
Notes:

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

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 culvert
- Proposed pumping station (surface water)
- Proposed manhole (surface water)
- Proposed drain (surface water)
- Proposed rising main (surface water)

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

Interference Reference	Scheme Element Chainage (m) (DS-US)	Channel Chainage (m)	General Description of New Works
CIE_P03		C01_2340	Proposed surface water pumping station and rising main to operate during a flood event. All outlets to be fitted with non return valves.
CIE_G03		C01_2345	Existing access to be extinguished.
CIE_I02		C01_2350	Existing culvert to be pressurised during a flood event.
CIE_L06	0 to 20	C01_2410 to C01_2440	Existing coping stone to be temporarily removed and reinstated upon completion. Existing parapet wall to be repointed and gravity grouted. New dowel bar to be drilled into river wall and anchored into new parapet wall course. New concrete strip to be constructed with a cut limestone cladding and coping to be reinstated at flood defence level of 3.60mOD. All outlets to be fitted with non return valves.
CIE_L06	20 to 30	C01_2440 to C01_2450	The existing stone parapet achieves a flood defence level of 3.60mOD and is to be maintained as part of the flood defence scheme. The existing river wall and foundation stones are to be grouted. The granular soil backing stone 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_L06	30 to 55	C01_2450 to C01_2475	The existing stone parapet achieves a flood defence level of 3.60mOD and is to be maintained as part of the flood defence scheme. The existing river wall and foundation stones are to be grouted. A new mass concrete backing wall is to be provided. Possible strengthening works may include the incorporation of micropiles. 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_L06	55 to 87	C01_2475 to C01_2490	Existing coping stone to be temporarily removed and reinstated upon completion. Existing parapet wall to be repointed and gravity grouted. New dowel bar to be drilled into river wall and anchored into new parapet wall course. New concrete strip to be constructed with a cut limestone cladding and coping to be reinstated at flood defence level of 3.60mOD. The existing river wall and foundation stones are to be grouted. The granular soil backing stone 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_I03		C01_2525	The existing steel bridge railing parapet is to be augmented with a partial steel flood defence parapet to flood defence level of 3.80mOD. Parapet to be sympathetic to existing bridge architecture.
CIE_L07	0 to 90	C01_2558 to C01_2648	Existing coping stone to be temporarily removed and reinstated upon completion. Existing concrete parapet wall to be extended to flood defence level of 3.8mOD. All outlets to be fitted with non return valves.
CIE_P04		C01_2599	Proposed surface water pumping station and rising main to operate during a flood event. All outlets to be fitted with non return valves.
CIE_L08	0 to 77	C01_2648 to C01_2725	The existing reinforced concrete parapet is to be demolished and replaced with a new reinforced concrete parapet wall to flood defence level of 3.80mOD, typically 1.2m above existing ground level.
CIE_R02	0 to 257	C01_2625 to C01_2815	Existing road and footpath to be regraded to reduce the relative height of the proposed flood defence wall.
CIE_L09	0 to 55	C01_2725 to C01_2768	The existing stone parapet is to be removed, salvaged and replaced with a new reinforced concrete parapet wall to flood defence level of 3.80mOD, typically 1.2m above existing ground level.
CIE_L09	55 to 78	C01_2768 to C01_2780	The existing stone parapet is to be removed, salvaged and replaced with a new reinforced concrete parapet wall to flood defence level of 3.80mOD, typically 1.2m above existing ground level. The existing river wall and foundation stones are to be grouted. The granular soil backing stone 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_L09	78 to 81	C01_2780	Proposed flood gate to flood defence level of 3.80mOD, typically 1.2m above existing ground level.
CIE_L09	81 to 95	C01_2780 to C01_2794	Proposed glass flood barrier on footpath to flood defence level of 3.80mOD, typically 1.2m above existing ground level.
CIE_G04		C01_2720	The existing access steps are to be maintained and extended to flood defence level of 3.80mOD with new reinforced concrete steps.
CIE_G05		C01_2740	The existing access steps are to be maintained and extended to flood defence level of 3.80mOD with new reinforced concrete steps.
CIE_G06		C01_2770	Existing river access to be extinguished.
CIE_P05		C01_2772	Proposed surface water pumping station and rising main to operate during a flood event. All outlets to be fitted with non return valves.

Drg. No. LL_220b Proposed Flood Defences Plan Layout (Sheet 21 of 30)

ARUP

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

JBA
consulting

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

Cork City Council

City Hall, Anglesea Street,
Cork, Ireland.
Tel: +353 (0) 21 4966222
Fax: +353 (0) 21 4314238

Cork County Council

County Hall, Cross Street,
Cork, Ireland.
Tel: +353 (0) 21 4276891
Fax: +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