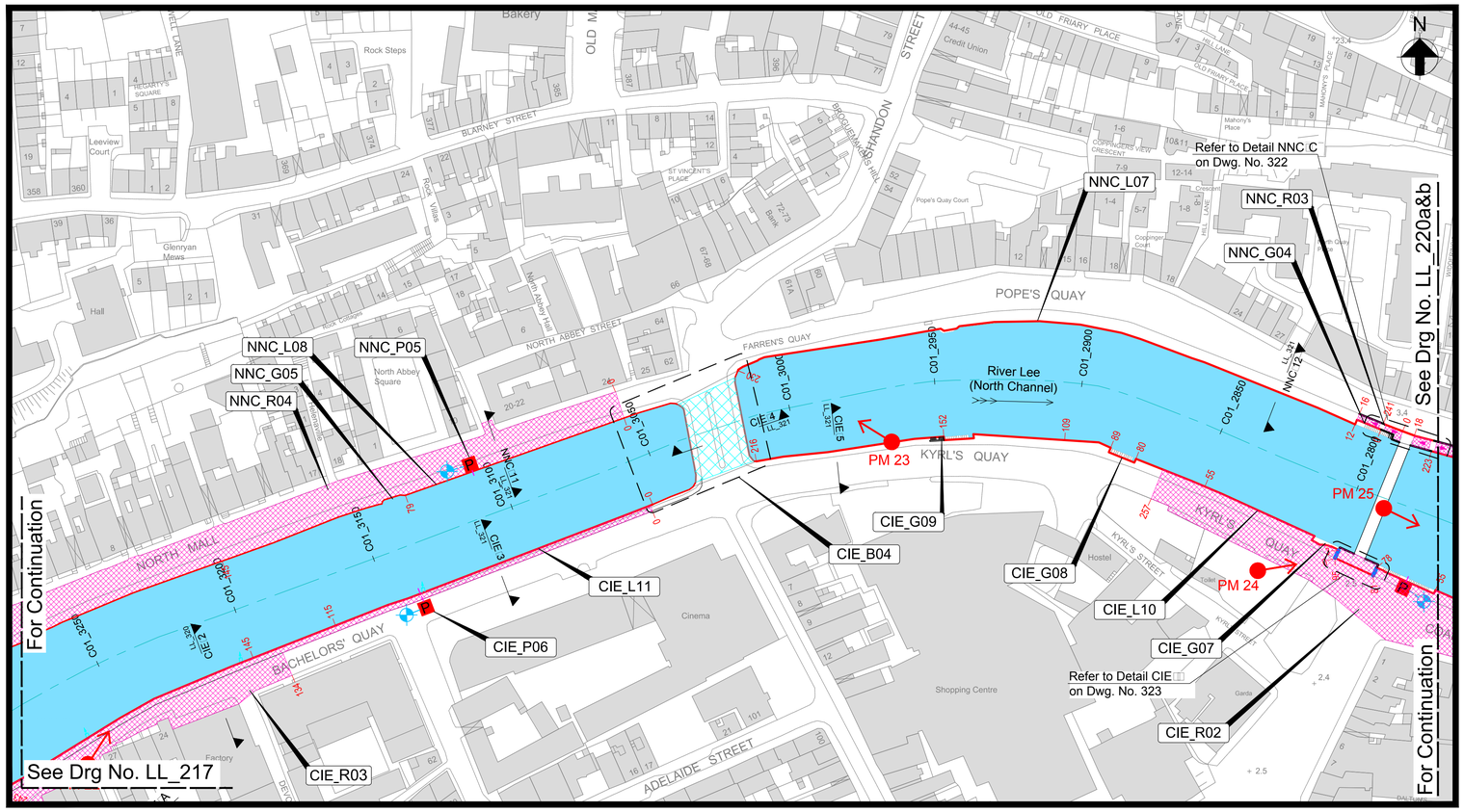
Lower Lee (Cork City) Drainage Scheme

Issued for Exhibition December 2016



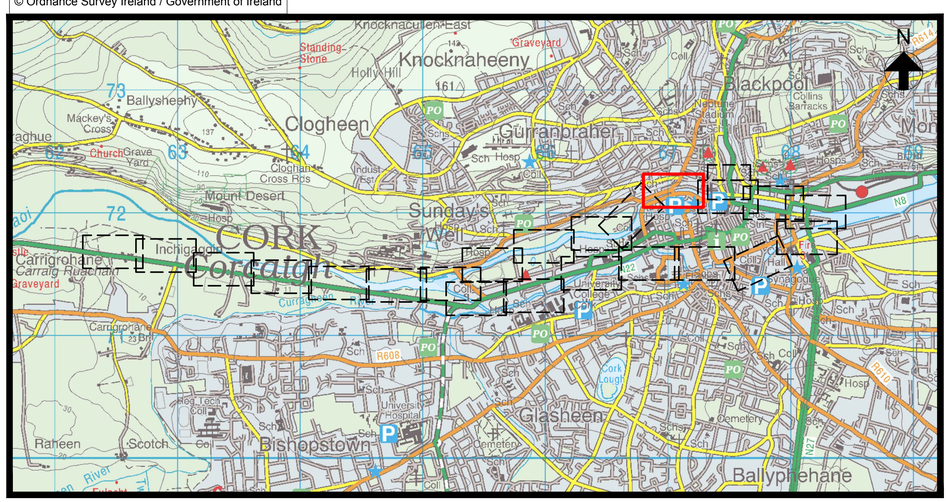
Location Plan

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.



Key Plan

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

Key to Plan

- Watercourse
- C01_300 — 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)
- Proposed retaining wall
- Proposed regrading of ground levels
- Existing surcharged bridge culvert
- P — 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_R03	0 to 16	C01_2790 to C01_2805	Proposed ramping of footpath to flood defence level of 4.10mOD. Ramps to be graded at a maximum slope of 1 in 20.
NNC_G04		C01_2800	The existing access steps are to be maintained.
NNC_L07	0 to 230	C01_2800 to C01_3015	The existing stone parapet is to be maintained at existing level which achieves a minimum flood defence level of 4.10mOD as part of the flood defence scheme. The existing river wall and foundation ones are to be grouted. The granular soil backing one 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.
NNC_L08	0 to 145	C01_3055 to C01_3200	The existing railing is to be demolished and replaced with a new reinforced concrete flood defence parapet to flood defence level of 4.35mOD, 1.2m above proposed footpath level. The existing river wall and foundation ones are to be grouted. The granular soil backing one 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.
NNC_L08	145 to 249	C01_3200 to C01_3298	The existing railing is to be demolished and replaced with a new reinforced concrete flood defence parapet to flood defence level of 4.60mOD, 1.2m above proposed footpath level. The existing river wall and foundation ones are to be grouted. The granular soil backing one 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.
NNC_R04	0 to 224	C01_3055 to C01_3275	Road and footpath to be regraded to reduce the relative height of proposed flood defence wall.
NNC_P05		C01_3105	Proposed surface water pumping station and rising main to operate during a flood event. All outlets to be fitted with non return valves.
NNC_G05	79 to 88	C01_3132 to C01_3140	The existing access steps are to be extinguished.
CIE_L10	0 to 3	C01_2794	Proposed flood gate to be erected to flood defence level of 4.10mOD.
CIE_L10	3 to 55	C01_2794 to C01_2848	The existing stone parapet is to be removed, salvaged and replaced with a new reinforced concrete parapet wall to flood defence level of 4.10mOD, typically 1.2m above existing footpath level.
CIE_L10	55 to 80	C01_2848 to C01_2873	The existing stone parapet is to be removed, salvaged and replaced with a new reinforced concrete parapet wall to flood defence level of 4.10mOD, typically 1.2m above existing footpath level. The existing river wall and foundation ones are to be grouted. The granular soil backing one 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_L10	80 to 109	C01_2873 to C01_2902	The existing stone parapet is to be removed, salvaged and replaced with a new reinforced concrete parapet wall to flood defence level of 4.10mOD, typically 1.2m above existing footpath level. 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_L10	109 to 216	C01_2902 to C01_3004	The existing stone parapet is to be removed, salvaged and replaced with a new reinforced concrete parapet wall to flood defence level of 4.10mOD, typically 1.2m above existing footpath level. The existing river wall and foundation ones are to be grouted. The granular soil backing one 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_G07		C01_2885	Existing river slipway access to be extinguished and ladder installed.
CIE_G08		C01_2880	Existing river slipway access to be extinguished and ladder installed.
CIE_G09		C01_2950	The existing access steps are to be maintained. The steps are to be extended to flood defence level of 4.10mOD with new reinforced concrete steps.
CIE_04		C01_3020 to C01_3035	The existing steel bridge railing parapet is to be augmented with a partial height steel flood defence parapet to flood defence level of 4.35mOD. Parapet to be sympathetic to existing bridge architecture.
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_L11	0 to 115	C01_3056 to C01_3170	The existing stone parapet is to be removed, salvaged and replaced with a new reinforced concrete parapet wall to flood defence level of 4.25mOD, typically 1.2m above the proposed footpath level. The existing river wall and foundation ones 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.
CIE_L11	115 to 145	C01_3170 to C01_3200	The existing stone parapet is to be removed, salvaged and replaced with a new reinforced concrete parapet wall to flood defence level of 4.25mOD, typically 1.2m above the proposed footpath level.
CIE_L11	145 to 241	C01_3200 to C01_3300	The existing stone parapet is to be removed, salvaged and replaced with a new reinforced concrete parapet wall to flood defence level of 4.4mOD, typically 1.2m above the proposed footpath level. The existing river wall and foundation ones 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.
CIE_P06		C01_3146	Proposed surface water pumping station and rising main to operate during a flood event. All outlets to be fitted with non return valves.
CIE_R03	0 to 380	C01_3200 to 3470	Road to be regraded to reduce the relative height of proposed flood defence wall.

Drg. No. LL_219 Proposed Flood Defences Plan Layout (Sheet 19 of 30)

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