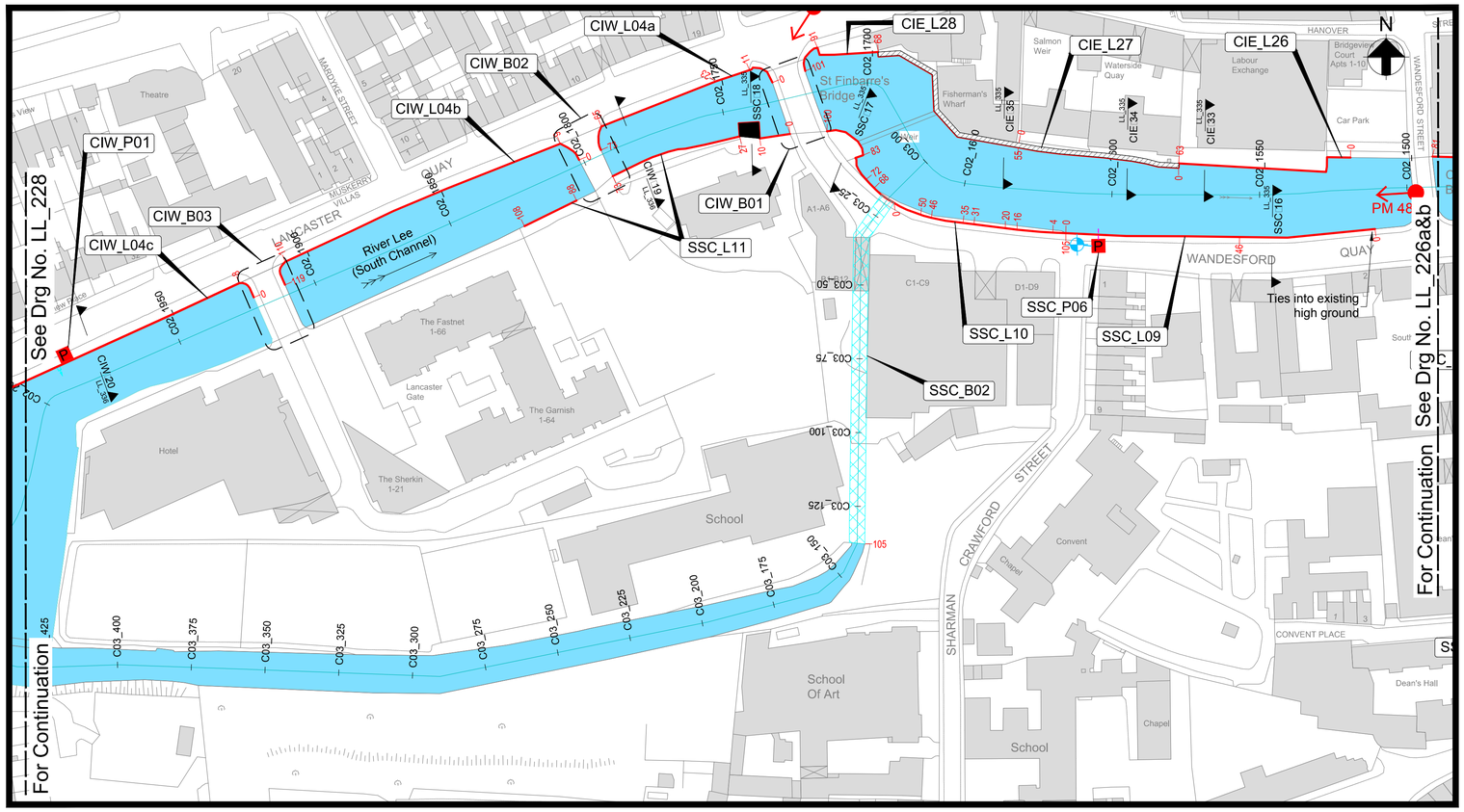
Lower Lee (Cork City) Drainage Scheme

Issued for Exhibition December 2016

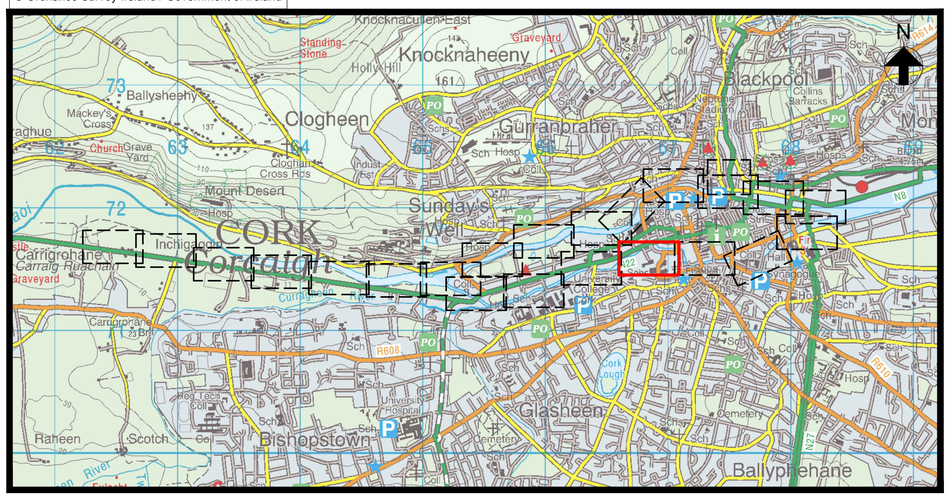


Location Plan

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.



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
- Existing surcharged culvert
- Land to be reclaimed
- 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
CIE_L26	0 to 63	C02_1500 to C02_1583	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 with 0.6m of railing fitted on top. The existing quay wall and foundation □ones are to be grouted. Possible additional strengthening works may include the incorporation of micro□piles. A new mass concrete backing wall is to be provided. The face of the existing wall is to be cleaned and repointed and the stonework repaired where necessary.
CIE_L27	0 to 55	C02_1583 to C02_1638	Proposed sheet pile wall to be constructed in channel to flood defence level of 3.50mOD.
CIE_L28	0 to 101	C02_1638 to C02_1725	Proposed sheet pile wall to be constructed in channel to flood defence level of 3.50mOD.
CIW_□01	0 to 11	C02_1733 to C02_1738	The existing concrete kerb and railings are to be demolished and replaced with a concrete flood defence wall to flood defence level of 3.70mOD.
CIW_L04a	11 to 23	C02_1738 to C02_1750	Existing open railings to be replaced with reinforced concrete flood defence wall. Proposed wall to be constructed to level of approximately 3.70mOD to tie into adjacent existing walls. (Flood defence level is 3.50mOD)
CIW_L04a	23 to 65	C02_1750 to C02_1790	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.
CIW_□02	65 to 73 and 0 to 9	C02_1790 to C02_1792 and C02_1803 to C02_1805	The existing concrete kerb and railings are to be demolished. Proposed reinforced concrete flood defence wall to flood defence level of 3.50mOD (height approx. 0.75m □to tie with adjacent existing walls □excess of approx. 0.2m above flood defence level) to provide required flood defence level where existing railing is located.
CIW_L04b	9 to 110	C02_1805 to C02_1906	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.
CIW_□03	110 to 119 and 0 to 8	C02_1906□C02_1910 and C02_1921 □ C02_1923	Proposed reinforced concrete flood defence wall to flood defence level of 3.50mOD (height approx. 0.75m □to tie with adjacent parapet □excess of approx. 0.2m above flood defence level) to provide required flood defence level where existing railing is located
CIW_L04c	0 to 97	C02_1923□C02_2002	The river wall and foundation □ones are to be pressure 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.
CIW_P01	□	C02_1980	Proposed surface water pumping station and rising main to operate during a flood event. All outlets to be fitted with non□return valves.
SSC_L09	0 to 105	C02_1500 to C02_1615	Proposed reinforced concrete wall to flood defence level of 3.50mOD, typically 1.2m above existing ground levels. All drainage outfalls to be fitted with non□return valves. The existing quay wall and foundation □ones are to be grouted. Possible additional strengthening works may include the incorporation of micro□piles. A new mass concrete backing wall is to be provided. The face of the existing wall is to be cleaned and repointed and the stonework repaired where necessary. Public bike share docking station to be temporarily removed and re□instated following raising of existing ground levels.
SSC_P06	□	C02_1600	Proposed surface water pumping station and rising main to operate during a flood event. All outlets to be fitted with non□return valves.
SSC_L10	0 to 4	C02_1648 to C02_1652	Proposed glass flood defence wall to flood defence level of 3.50mOD, typically 1.2m above existing ground levels. Glass barrier to tie into proposed stone wall along footpath. All drainage outfalls to be fitted with non□return valves.
SSC_L10	4 to 16	C02_1652 to C02_1668	Proposed reinforced concrete wall to flood defence level of 3.50mOD, typically 1.2m above existing ground levels. All drainage outfalls to be fitted with non□return valves.
SSC_L10	16 to 20	C02_1668 to C02_1675	Proposed glass flood defence wall to flood defence level of 3.50mOD, typically 1.2m above existing ground levels. Glass barrier to tie into proposed stone wall along footpath. All drainage outfalls to be fitted with non□return valves.
SSC_L10	20 to 31	C02_1675 to C02_1690	Proposed reinforced concrete wall to flood defence level of 3.50mOD, typically 1.2m above existing ground levels. All drainage outfalls to be fitted with non□return valves.
SSC_L10	31 to 35	C02_1690 to C02_1697	Proposed glass flood defence wall to flood defence level of 3.50mOD, typically 1.2m above existing ground levels. Glass barrier to tie into proposed stone wall along footpath. All drainage outfalls to be fitted with non□return valves.
SSC_L10	35 to 46	C02_1697 to C02_1706	Proposed reinforced concrete wall to flood defence level of 3.50mOD, typically 1.2m above existing ground levels. All drainage outfalls to be fitted with non□return valves.
SSC_L10	46 to 50	C02_1706 to C02_1712	Proposed glass flood defence wall to flood defence level of 3.50mOD, typically 1.2m above existing ground levels. Glass barrier to tie into proposed stone wall along footpath. All drainage outfalls to be fitted with non□return valves.
SSC_L10	50 to 68	C02_1712 to C02_1716	Proposed reinforced concrete wall to flood defence level of 3.50mOD, typically 1.2m above existing ground levels. All drainage outfalls to be fitted with non□return valves.
SSC_L10	68 to 72	C02_1716 to C02_1720	Proposed glass flood defence wall to flood defence level of 3.50mOD, typically 1.2m above existing ground levels. Glass barrier to tie into proposed stone wall along footpath. All drainage outfalls to be fitted with non□return valves.
SSC_L10	72 to 83	C02_1720 to C02_1730	Proposed reinforced concrete wall to flood defence level of 3.50mOD, typically 1.2m above existing ground levels. All drainage outfalls to be fitted with non□return valves.
SSC_L10	83 to 100	C02_1730 to C02_1750	Proposed glass flood defence wall to flood defence level of 3.50mOD, typically 1.2m above existing ground levels. Glass barrier to tie into proposed stone wall along footpath. All drainage outfalls to be fitted with non□return valves.
SSC_□02	0 to 105	C03_0 to C03_135	Existing culvert to be pressurised during a flood event. Repairs to the existing culvert and work to internal joints to be carried out where necessary. All drainage outfalls to be fitted with non□return valves.
SSC_L11	0 to 10	C02_1735 to C02_1745	Proposed reinforced concrete wall to flood defence level of 3.50mOD, typically 0.60m above existing ground levels with 0.60m of railings fitted on top to achieve guard height of 1.2m. All drainage outfalls to be fitted with non□return valves.
SSC_L11	10 to 27	C02_1745 to C02_1750	Existing structure to be assessed for sealing and uplift.
SSC_L11	27 to 73	C02_1750 to C02_1790	Proposed concrete kerb to be constructed to a flood defence level of 3.50mOD, typically 0.20m above existing ground levels. All drainage outfalls to be fitted with non□return valves.
SSC_L11	88 to 108	C02_1810 to C02_1830	Proposed concrete kerb to be constructed to a flood defence level of 3.50mOD, typically 0.20m above existing ground levels. All drainage outfalls to be fitted with non□return valves.

Drg. No. LL_227 Proposed Flood Defences □Plan Layout (Sheet 29 of 30)

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