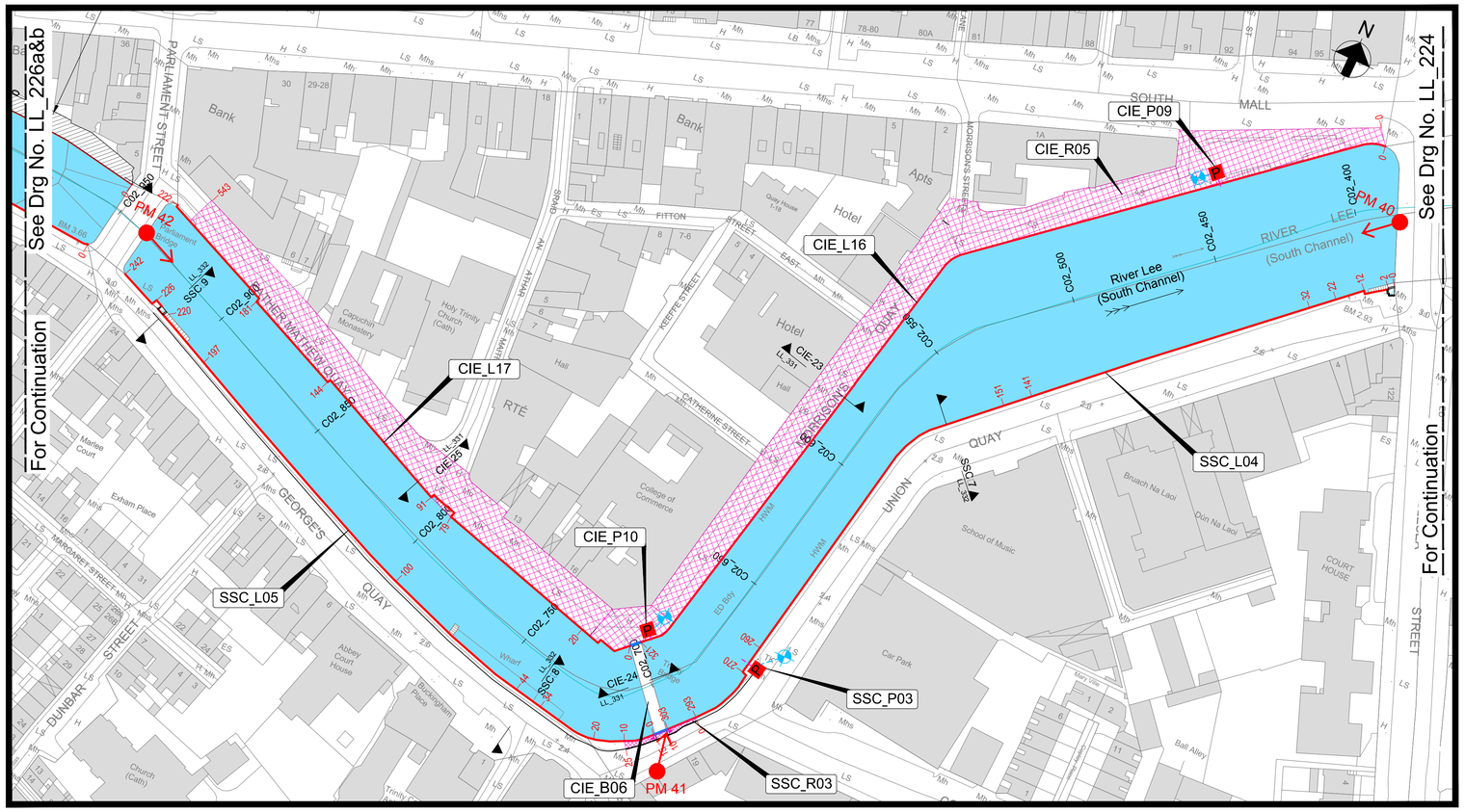
Lower Lee (Cork City) Drainage Scheme

Issued for Exhibition December 2016



Location Plan

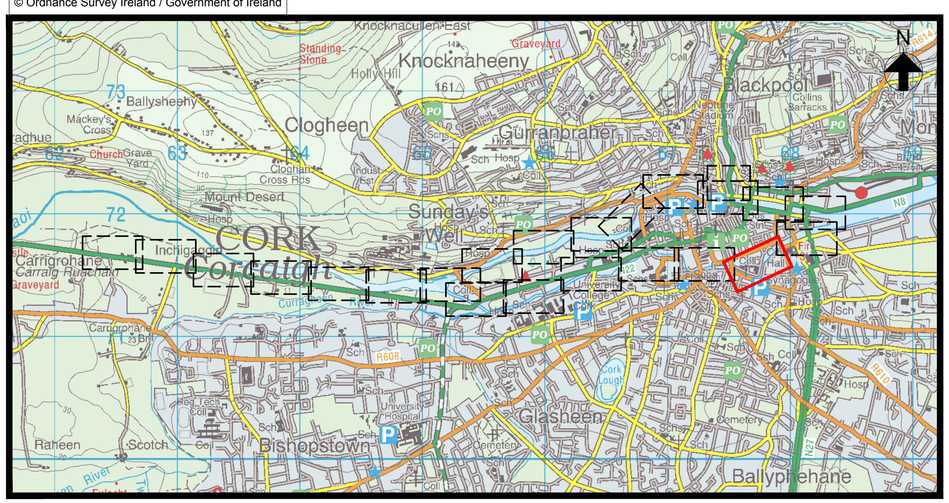
0 5 10 20 50 Metres

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

Interference Reference	Scheme Element Chainage (m) (DS-US)	Channel Chainage (m)	General Description of New Works
CIE_P09	□	C02_445	Proposed surface water pumping station and rising main to operate during a flood event. All outlets to be fitted with non□return valves.
CIE_R05	0 to 543	C02_391 to C02_931	Proposed regrading of existing ground levels to reduce the relative height of the proposed flood defence wall.
CIE_L16	0 to 321	C02_391 to C02_700	Proposed reinforced concrete flood defence wall to flood defence level of 3.5mOD, typically 0.6m above proposed ground levels. Railing to be constructed to guard height, typically 0.6m above proposed wall level. Quay wall □one, foundation □one and soil backing □one to be grouted. The face of the existing quay wall is to be cleaned, repointed and the stonework repaired where required. All outfalls to be fitted with non□return valves.
CIE_L16	321 to 325	C02_700 to C02_704	Proposed flip up flood barrier.
CIE_P10	□	C02_698	Proposed surface water pumping station and rising main to operate during a flood event. All outlets to be fitted with non□return valves.
CIE_□06	□	C02_701	Deck level of Trinity □ridge to be raised to tie into the proposed regrading on Morrison's Quay and □nion Quay.
CIE_L17	0 to 222	CIE_704 to CIE_937	Proposed reinforced concrete flood defence wall to flood defence level of 3.5mOD, typically 0.6m above proposed ground levels. Railing to be constructed to guard height, typically 0.6m above proposed wall level. Quay wall □one, foundation □one and soil backing □one to be grouted. The face of the existing quay wall is to be cleaned, repointed and the stonework repaired where required. All outfalls to be fitted with non□return valves.
SSC_L04	0 to 2	C02_390 to C02_415	Existing river access steps to be extended to flood defence level of 3.50mOD. Existing quay 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 drainage outfalls to be fitted with non□return valves.
SSC_L04	2 to 22	C02_390 to C02_415	Proposed reinforced concrete parapet to be constructed to a flood defence level of 3.50mOD, typically 1.2m above existing ground levels. Existing quay 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 drainage outfalls to be fitted with non□return valves.
SSC_L04	22 to 32	C02_415 to C02_425	Proposed glass flood defence wall to flood defence level of 3.50mOD, typically 1.2m above existing ground levels. Glass barrier to tie into existing stone wall along footpath. Existing quay 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 drainage outfalls to be fitted with non□return valves.
SSC_L04	32 to 141	C02_425 to C02_525	Proposed reinforced concrete parapet to be constructed to a flood defence level of 3.50mOD, typically 1.2m above existing ground levels. Existing quay 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 drainage outfalls to be fitted with non□return valves.
SSC_L04	141 to 151	C02_525 to C02_535	Proposed glass flood defence wall to flood defence level of 3.50mOD, typically 1.2m above existing ground levels. Glass barrier to tie into existing stone wall along footpath. Existing quay 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 drainage outfalls to be fitted with non□return valves.
SSC_L04	151 to 260	C02_535 to C02_670	Proposed reinforced concrete parapet to be constructed to a flood defence level of 3.50mOD, typically 1.2m above existing ground levels. Existing quay 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 drainage outfalls to be fitted with non□return valves.
SSC_L04	260 to 270	C02_670 to C02_680	Proposed glass flood defence wall to flood defence level of 3.50mOD, typically 1.2m above existing ground levels. Glass barrier to tie into existing stone wall along footpath. Existing quay 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 drainage outfalls to be fitted with non□return valves.
SSC_L04	270 to 303	C02_680 to C02_700	Proposed reinforced concrete parapet to be constructed to a flood defence level of 3.50mOD, typically 1.2m above existing ground levels. Existing quay 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 drainage outfalls to be fitted with non□return valves.
SSC_P03	□	C02_670	Proposed surface water pumping station and rising main to operate during a flood event. All outlets to be fitted with non□return valves.
SSC_R03	0 to 10	C02_690 to C02_700	Proposed 10m ramp along footpath to tie into raised bridge level of 3.0mOD. Maximum slope of ramps is 1 in 20. Existing guard rail to be demolished and replaced along road side of proposed footpath.
SSC_R03	10 to 15	C02_700 to C02_705	Proposed 0.5m flip up flood barrier to be fitted along proposed raised platform at entrance to Trinity □ridge to flood defence level of 3.50mOD. Platform is to be maintained at a constant level of 3.0mOD. 10m ramp along footpath to tie into raised bridge level of 3.0mOD. Maximum slope of ramps is 1 in 20.
SSC_R03	15 to 25	C02_705 to C02_715	Proposed 10m ramp along footpath from raised bridge level of 3.0mOD to existing ground levels of 2.50mOD. Maximum slope of ramps is 1 in 20. Existing guard rail to be demolished and replaced along road side of proposed footpath.
SSC_L05	0 to 10	C02_705 to C02_715	Proposed reinforced concrete wall to be constructed to flood defence level of 3.50mOD, typically 1.2m above existing ground levels. Flood wall to tie into high ground at Trinity □ridge. All drainage outfalls to be fitted with non□return valves.
SSC_L05	10 to 20	C02_715 to C02_720	Proposed glass flood defence wall to flood defence level of 3.50mOD, typically 1.2m above existing ground levels. Glass barrier to tie into existing stone wall along footpath. All drainage outfalls to be fitted with non□return valves.
SSC_L05	20 to 34	C02_720 to C02_734	Proposed reinforced concrete parapet to be constructed 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_L05	34 to 44	C02_734 to C02_744	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 wall. All drainage outfalls to be fitted with non□return valves.
SSC_L05	44 to 100	C02_744 to C02_790	Proposed reinforced concrete parapet to be constructed 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_L05	100 to 197	C02_790 to C02_890	Proposed reinforced concrete parapet to be constructed 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_L05	197 to 220	C02_890 to C02_915	Proposed reinforced concrete parapet to be constructed to flood defence level of 3.50mOD, typically 1.2m above existing ground levels (0.6m wall with 0.6m railing). All drainage outfalls to be fitted with non□return valves.
SSC_L05	220 to 226	C02_915 to C02_918	Proposed steps over defences to maintain access to channel. Crest level of steps to tie into defences at 3.50mOD. Guard rail to be fitted along existing steps.
SSC_L05	226 to 242	C02_918 to C02_935	Proposed reinforced concrete parapet to be constructed to flood defence level of 3.50mOD, typically 1.2m above existing ground levels (0.6m wall with 0.6m railing). Flood wall to tie into high ground at Parliament □ridge end. All drainage outfalls to be fitted with non□return valves.

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

Drg. No. LL_225 Proposed Flood Defences □Plan Layout (Sheet 26 of 30)

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