

Location Plan



Key Plan

Scale 1:20,000 at A1 Scale 1:40,000 at A3

Key to Plan

0 5 10 2



Channel Centrelines, Reference (C06) and Chainage (m)	
Photomontage (Location, Orientation and No.)	
Interference Reference	
Location and Reference of Cross Section	
Proposed Backfill Existing Watercourse	
Proposed Manhole (Surface Water)	
Proposed Drain (Surface Water)	
Existing Culvert to be Retained	50
Proposed Roughing Screen	

Existing Fencing

Proposed Fencing

Interference Reference	Channel Chainage (m)	Proposed Works Chainage (m)	Gener
C06_B03	-	0 to 342	Replac downs intern non-re
C06_P05	339	-	Propos to ope valves
C06_P06	186	-	Propos main t valves
C06_B04	111	-	Remov culver
C06_B05	-	320 to 327	Replac dimen valves
C06_B06	-	294 to 320	Existin and w fitted
C06_P07	48	-	Propos to ope valves
C06_B07	-	257 to 294	Replac dimen valves
C05_T01	333	-	Existin
C05_SL01	333	-	Propo is prop
C04_T01	17	-	Propos trashs
C04_R01	-	0 to 16	Propos screer
C04_G06	-	-	Existin line or
C04_G05a	-	-	Propos (C04_I
C06_G01	0 to 2623	-	Chann upstre
C03_G01	0 to 542	-	Chann Water Glen (1
C05_G01	0 to 333	-	Chann Spring (C05_(
C04_G01	0 to 230	-	Chann Spring (C04_2

Notes:

Do not scale from drawing. 1.

Proposed works geometry and extents are subject to detailed design. 3. This drawing should be read in conjunction with all other River Bride (Blackpool) Certified Drainage Scheme Exhibition Drawings and Schedules.

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

- Watercourse
- Proposed Reinforced Concrete Culvert

Proposed Replacement Reinforced Concrete Culvert

- Pressurised Existing Culvert
- Proposed Pumping Station (Surface Water)
- Proposed Rising Main (Surface Water)
- Proposed Pumping Station (CSO)
- Proposed Rising Main (CSO)
- Proposed Works Chainage (m)
- Proposed Vehicle Gate
- Proposed Sluice

Proposed Regrading of Ground Levels



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eral Description of New Works

ace existing channel with a proposed reinforced concrete culvert to be constructed nstream of Blackpool Bypass through Orchard Court. Proposed culvert to be of nal dimension 5.5m wide and 2.1m high. All drainage outfalls to be fitted with eturn valves.

osed local surface water pumping station, collector drain, manhole and rising main perate during a flood event at C06_339. All outlets to be fitted with non-return

osed combined sewer overflow (CSO) pumping station, collector drain and rising to operate during a flood event at CO6_186. All outlets to be fitted with non-return

oval of existing pedestrian access bridge. Access to be reinstated over the proposed ert following construction works.

ace existing culvert with a proposed reinforced concrete culvert of internal nsion 5.5m wide and 2.1m high. All drainage outfalls to be fitted with non-return

ng culvert to be pressurised during a flood event. Repairs to the existing culvert vork to internal joints to be carried out where necessary. All drainage outfalls to be l with non-return valves.

osed local surface water pumping station, collector drain, manhole and rising main perate during a flood event at CO6_48. All outlets to be fitted with non-return

ace existing culvert with a proposed reinforced concrete culvert of internal nsion 5.5m wide and 2.1m high. All drainage outfalls to be fitted with non-return

ng trash screen on Spring Lane to be removed at C05_333.

osed sluice structure to throttle flow on the Glen (Spring Lane Branch). A penstock posed to act as a backup control measure.

osed roughing screen to be installed upstream of the existing Spring Lane screen.

osed vehicle ramp to facilitate maintenance access to the channel and roughing

ng fencing to be formalised and repaired where necessary to the west of the rail n both banks of the channel.

osed fencing to be constructed on the perimeter of the proposed access ramp R01) and tie in with existing fencing at both ends.

nel to be maintained over a distance of 2623m from Blackpool Church (C06-000) to eam of Rose Cottage (C06-2623).

nel to be maintained over a distance of 542m from the confluence of the Back rcourse and the Kiln Watercources (CO3 000) to the existing trash screen on the (Spring Lane Branch at C05_333).

iel to be maintained over a distance of 333m from the existing trashscreen at g Lane (C05_333) to the confluence to the proposed culvert at the River Bride 000)

nel to be maintained over a distance of 230m from the existing trashscreen at g Lane (C05_333) to the entrance of the culvert east of the railway line at 230).

Drg. No. RB_207 Proposed Flood Defences - Plan Layout (Sheet 7 of 10)



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51 St. Stephen's Green Dublin 2. Ireland



Location Plan



Key Plan

Scale 1:20,000 at A1 Scale 1:40,000 at A3

Key to Plan

C06_300	Channel Centrelines, Reference (C06) and Chainage (m)
C06_L01	Interference Reference
	Existing Culvert to be Retained
	Proposed Roughing Screen
	Watercourse
	Proposed Bridge Fencing (to enclose the E Pedestrian Bridge)
50	Proposed Works Chainage (m)
	Proposed Regrading of Ground Levels

0 5 10 20

50 Metre

nterference Reference	Channel Chainage (m)	Proposed Works Chainage (m)	Ger
C04_G02	160 to 270	-	Pro ped prov
C04_G03	150 to 160	-	Exis into ped
C04_G04	140 to 160	-	Exis pro brid
C04_G05	100 to 140	-	Pro rail
C04_G05a	20 to 30	-	Pro tie i
C04_G06	0 to 105	-	Exis line
C04_G07	136 to 155	-	Exis wal
CO4_RO1	-	0 to 16	Pro scre
C04_T01	17	-	Pro tras
C05_SL01	333	-	Pro is pi
C05_T01	333	-	Exis
C03_G01	0 to 542	-	Cha to t
C05_G01	0 to 333	-	Cha Spri (COS
C04_G01	0 to 230	-	Cha (C04

Notes:

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Proposed works geometry and extents are subject to detailed design. 2. This drawing should be read in conjunction with all other River Bride (Blackpool) Certified Drainage Scheme Exhibition 3. Drawings and Schedules.

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

- **Existing Trashscreen Existing Fencing** Proposed Fencing Proposed Pedestrian Gate Proposed Vehicle Access Gate Existing Vehicle Access Gate Proposed Sluice

Existing Wall

Existing

Drg. No. RB_208 Proposed Flood Defences - Plan Layout (Sheet 8 of 10)



Issued for Exhibition November 2015

eneral Description of New Works

oposed fencing to be constructed to the east of the rail line and to tie into the existing destrian footbridge. A proposed pedestrian gate north of the existing footbridge will ovide access to the channel.

isting fencing to be formalised and repaired where necessary. Existing fencing to tie a proposed pedestrian gate and proposed fencing north west of the existing destrian bridge.

isting wall to be formalised and repaired where necessary. Existing wall to tie into a oposed pedestrian gate and proposed fencing north west of the existing pedestrian dge.

oposed fencing to be constructed along both banks of the channel to the west of the line.

oposed fencing to be constructed around the proposed access ramp (C04_R01) and in with existing fencing at both ends.

isting fencing to be formalised and repaired where necessary to the west of the rail e on both banks of the channel.

isting wall to be formalised and minor repairs carried out where necessary. Existing all to tie into proposed fencing on the North Ring Road bridge.

oposed vehicle ramp to facilitate maintenance access to the channel and roughing een.

oposed roughing screen to be installed upstream of the existing Spring Lane shscreen.

oposed sluice structure to throttle flow on the Glen (Spring Lane Branch). A penstock proposed to act as a backup control measure.

isting trash screen on Spring Lane to be removed at C05_333.

annel to be maintained over a distance of 542m from Maddens Buildings (C03_000) the existing culvert inlet at C03_542.

annel to be maintained over a distance of 333m from the existing trashscreen at ring Lane (C05_333) to the confluence with the proposed River Bride culvert 05_000)

annel to be maintained over a distance of 230m from the culvert inlet at Spring Lane 04_000) to the culvert outfall downstream of the North Ring Road (C04_230).



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51 St. Stephen's Green Dublin 2, Ireland.



Location Plan



Key Plan

Scale 1:20,000 at A1 Scale 1:40,000 at A3

Key to Plan

C06_300 C06_L01	Channel Cent Chainage (m Interference F
2 <u>301</u> R <u>B_301</u> C06.1 C06.1 ▼	Location and
<● PM 01	Photomontag
	Existing Culve
	Proposed Flo
50	Proposed Wo
	Watercourse
	Proposed Re
	Drangood Su

trelines, Reference (C06) Reference **Reference of Cross Section** e (Location, Orientation an ert to be Retained w Control Feature orks Chainage (m) egrading of Ground Levels

Proposed Surface Water Overland Flow

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

and		Proposed Replacement Reinforced Concrete Culvert
		Proposed Reinforced Concrete Culvert
on		Pressurised Existing Culvert
nd No.)		Proposed Backfill of Existing Watercourse
	Ρ	Proposed Pumping Station (Surface Water)
		Proposed Rising Main (Surface Water)
		Proposed Drain (Surface Water)
		Proposed Drainage Kerb (Surface Water)
		Proposed CSO Overflow Manhole
v Route		Existing Manhole

Interference Reference	Channel Chainage (m)	Proposed Works Chainage (m)	G
C06 P07	18	_	D
	-0		to
<u>606 807</u>		2571.204	
C06_B07	-	257 to 294	R(5
C06 B08	-	240 to 257	R
000_000			C
			u
C01_B01	-	225 to 240	R fr
			ez va
C01 B02		62 to 225	E.
001_002		02 10 223	a
CO1 DO2		0 + 2 ()	
C01_B03	-	01062	CI
			W
C02_M01	740	-	Pi Bi
C03 P01	143	-	F
			e
C03_B01	-	0 to 50	E
			ai fi
C06 G01	0 to 2623	-	С
_			to
C01_R01	-	-	P
			d
			a
C01_R02	-	-	Ρι
			d a
C01 R03	_	_	P
			d
			d
C01_R04	-	-	Pi d
			a
C01_R05	-	-	P
CO1 DOC			
C01_K06	-	-	רא א
			a
C02_C01	691 to 699	-	Lo
<u> </u>	C25 to C01		fo
C02_C02	625 to 691	-	
C03 G01	0 to 542	-	С
000_001			tł
	227. 44-2		-
C01_G01	227 to 1173	-	C tł
C02 G01	0 to 740	-	C
			(E

Notes:

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Drawings and Schedules.



Issued for Exhibition November 2015

General Description of New Works

Proposed local surface water pumping station, collector drain, manhole and rising main o operate during a flood event at CO6_48. All outlets to be fitted with non-return alves.

Replace existing culvert with proposed reinforced concrete culvert of internal dimension .5m wide x 2.1m high. All drainage outfalls to be fitted with non-return valves. eplace existing open channel with a proposed reinforced concrete culvert at Blackpool Church. Proposed culvert to be of internal dimension 5.5m wide and 2.1m high. All rainage outfalls to be fitted with non-return valves.

Replace existing culvert with a proposed tapered reinforced concrete culvert section rom 5.5m and 2.1m high to 4.8m wide and 1.6m high. New culvert to be tied into xisting culvert on Watercourse Road. All drainage outfalls to be fitted with non-return alves.

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 itted with non-return valves.

Reconstruction of existing culvert section to optimise flow distribution between the Kiln ulvert (C01) and the Brewery Branch culvert (C02). All drainage outfalls to be fitted vith non-return valves.

Proposed flow control feature to be constructed on the confluence of the Kiln and the Brewery Branch at CO2_740 to limit flow in the Brewery Branch to existing capacity. xisting CSO to be diverted into the Back Watercourse culvert (CO3) during a flood vent.

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 itted with non-return valves.

Channel to be maintained over a distance of 2623m from Blackpool Church (C06_000) to upstream of Rose Cottage (C06_2623).

Proposed localised regrading of ground levels to divert surface water overland flow uring a flood event southwards along Watercourse Road to the existing low point djacent to the Madden's Buildings junction.

Proposed localised regrading of ground levels to divert surface water overland flow during a flood event southwards along Watercourse Road to the existing low point djacent to Maddens Building's junction.

Proposed localised regrading of ground levels to divert surface water overland flow luring a flood event southwards along Watercourse Road to the existing low point djacent to Madden's Buildings junction.

Proposed localised regrading of ground levels to divert surface water overland flow uring a flood event southwards along Watercourse Road to the existing low point djacent to Madden's Buildings junction.

Proposed localised regrading of ground levels to divert surface water overland flow luring a flood event southwards along Watercourse Road to the existing low point djacent to Madden's Buildings junction.

Proposed localised regrading of ground levels to divert surface water overland flow luring a flood event southwards along Watercourse Road to the existing low point djacent to Madden's Buildings junction.

ocal masonry repairs to be carried out within the existing culvert at CO2 695. Access or these works to be gained from the existing manhole at C02_740.

ocal masonry repairs to be carried out within the existing culvert at CO2_639 and CO2_655. Access for these works to be gained from the existing manhole at CO2_680. Channel to be maintained over a distance of 542m from Maddens Buildings (C3_000) to he existing culvert inlet at C03_542.

hannel to be maintained over a distance of 946m from the confluence of the Kiln and he Kiln Brewery Branch (C01_227) to Blackpool Church (C01_1173). hannel to be maintained over a distance of 740m from the confluence of the Kiln Brewery Branch) and the Kiln (C02_000) to Madden's Buildings (C02_740).

Drg. No. RB_209 Proposed Flood Defences - Plan Layout (Sheet 9 of 10)



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51 St. Stephen's Green Dublin 2. Ireland



Location Plans



Key Plan

Scale 1:20,000 at A1 Scale 1:40,000 at A3

Key to Plan

C01_300	Channel Centrelines, Reference (C06) (m)
	Existing Culvert to be Retained
	Watercourse
C06_L01	Interference Reference
	Existing Manhole

Notes:

- 1. Do not scale from drawing.
- Proposed works geometry and extents are subject to detailed design. 2. 3.
- Drawings and Schedules.





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

Interference Channel Proposed Works General Description of New Works Chainage (m) Chainage (m) Reference 500 to 552 C02_C03 Local masonry repairs to be carried out within the existing culvert at C02_508, C02_510 and C02_543. Access for these works to be gained from the existing manhole at C02_577. C02_C04 423 to 465 Local masonry repairs to be carried out within the existing culvert at C02_442 to C02_446. Access for these works to be gained from the existing culvert outfall at C02_423. 250 to 269 Local masonry repairs to be carried out within the existing culvert at C02_250 to C02_C05 C02_269. Access for these works to be gained from the existing culvert inlet at C02_334. 227 to 1173 C01_G01 Channel to be maintained over a distance of 946m from the confluence of the Kiln and the Kiln Brewery Branch (C01_227) to Blackpool Church (C01_1173). C02_G01 0 to 740 Channel to be maintained over a distance of 740m from thedownstream confluence of the Kiln (Brewery Branch) to the Kiln (C02_000) to the upstream confluence of the Kiln and the Back Watercourse at Madden's Buildings (C02_740).

6) and Chainage

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Drg. No. RB_210 Proposed Flood Defences - Plan Layout (Sheet 10 of 10)



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Drg. No. RB_301 Proposed Flood Defences - Sections (Sheet 1 of 4)



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Drg. No. RB_302 Proposed Flood Defences - Sections (Sheet 2 of 4)