

Location Plan



Key Plan

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

Key to Plan



Watercourse

0 5 10 20

Channel Centreline, Reference (C Chainage (300m) Photomontage (Location, Orientati Proposed Flood Defence Wall Interference Reference Location and Reference of Cross

50 Metres

Proposed Manhole (Surface Water

Proposed Drain (Surface Water)

Existing Drain (Surface Water)

Proposed Works Chainage (m)

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

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Section	•
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Proposed Flood Defence Embankment
Proposed Winter Channel
Proposed Regrading of Ground Levels
Proposed Pumping Station (Surface Water)
Proposed Rising Main (Surface Water)
Habitat Enhancement Measures
Proposed Steps

			Issued July 2018
Interference Reference	Proposed Works Chainage (m)	Channel Chainage (m)	General Description of Proposed Works
C06_C01	0 to 78	-	Proposed winter channel to be constructed downstream of the Commons Inn in order to increase conveyance during flood events. Winter channel to be a maximum width of 10m wide at mid-section.
C06_E01	0 to 114	-	Proposed flood defence embankment to be constructed 7.50m wide and to a height of typically 0.80m above existing ground levels to flood defence level (21.90mOD). Flood defence embankment to tie into high ground and a proposed flood defence wall as shown on the drawing.
C06_G01	-	0 to 2673	Channel to be maintained over a distance of 2673m from Blackpool Church (C06_000) to upstream of Rose Cottage (C06_2673).
C06_G02	-	2187	Proposed otter habitat enhancement measures
C06_G04	-	1812	Proposed otter habitat enhancement measures
C06_G05	-	1726	Proposed access stairs to be constructed over the proposed flood defence wall.
C06_G06	-	1660	Proposed access stairs to be constructed over the proposed flood defence wall.
C06_L04	0 to 31	-	Proposed reinforced concrete flood defence wall to be constructed typically 0.45m above existing ground levels to flood defence level (21.72mOD). Proposed defence wall to tie into proposed flood defence embankment. All drainage outfalls to be fitted with non-return valves.
C06_L05	201 to 259	-	Proposed sheet pile flood defence wall to be constructed typically 0.83m above existing ground levels to flood defence level (20.01mOD). Proposed flood wall to tie into flood wall C07_L02 at the upstream end. All drainage outfalls to be fitted with non-return valves.
C06_L05	182 to 201	-	Proposed sheet pile flood defence wall to be constructed typically 1.32m above existing ground levels to flood defence level (19.80mOD). All drainage outfalls to be fitted with non-return valves.
C06_L05	123 to 182	-	Proposed sheet pile flood defence wall to be constructed typically 1.20m above existing ground levels to flood defence level (19.58mOD). All drainage outfalls to be fitted with non-return valves.
C06_P01	-	1635	Proposed overflow surface water pumping station and rising main to operate during a flood event at C06_1635. All outlets to be fitted with non-return valves.
C07_G01	-	0 to 50	Channel to be maintained over a distance of 50m from the confluence of the River Bride and the Fairhill Stream(C07_000) to the existing 450mm diameter pipe culvert (C07_50).
C07_L01	0 to 7	-	Proposed reinforced concrete flood defence wall to be constructed typically 0.99 m above existing ground levels to flood defence level (20.05mOD). Proposed flood wall to tie into high ground and into proposed flood wall C07_L02. All drainage outfalls to be fitted with non-return valves.
C07_L02	0 to 43	-	Proposed sheet pile flood defence wall to be constructed typically 1.20m above existing ground levels to flood defence level (20.01mOD). Proposed flood wall to tie into proposed flood walls C07_L01 and C06_L05. All drainage outfalls to be fitted with non-return valves, other than the outlet of the proposed 0.90m pipe.
C07_R01	0 to 9		Proposed regrading of existing ground levels at the Commons Inn entrance to divert excess surface runoff to the Fairhill Stream.

Notes:

Do not scale from drawing. 1.

Drawings and Schedules.



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2. This drawing should be read in conjunction with all other River Bride (Blackpool) Certified Drainage Scheme Confirmation

Drg. No. RB_205 Proposed Flood Defences - Plan Layout (Sheet 5 of 12)



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



Location Plan



Key Plan

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

Key to Plan



0 5 10 20

Watercourse Channel Centreline, Reference (C06) and Chainage (300m) Photomontage (Location, Orientation and No.) Proposed Flood Defence Wall Repair/Reconstruct Existing Wall Interference Reference Location and Reference of Cross Section Proposed Works Chainage (m) Proposed Winter Channel

50 Metres

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

	Existing Culvert to be Retained
	Proposed New Bridge
Р	Proposed Pumping Station (Surface Water)
	Proposed Rising Main (Surface Water)
	Proposed New/Reconstructed Open Channel
	Proposed Regrading of Ground Levels
	Proposed Manhole (Surface Water)
	Proposed Drain (Surface Water)
•	Habitat Enhancement Measures
	Proposed Steps

			Issued July 2018
Interference Reference	Proposed Works Chainage (m)	Channel Chainage (m)	General Description of Proposed Works
C06_C01	0 to 78	-	Proposed winter channel to be constructed downstream of the Commons Inn in order to increase conveyance during flood events. Winter channel to be a maximum width of 10m wide at mid-section.
C06_B01	0 to 9	-	Replace existing masonry bridge with a new reinforced concrete bridge. Bridge to be of 7.40m clear span and 9.00m wide deck. Construct new access ramps to bridge, incorporating new reinforced concrete retaining walls where necessary. Service diversions associated with the bridge reconstruction will be required along Fitz's Boreen from the N20 Commons Road to the Old Mallow Road
C06_C02	-	980 to 1418	Proposed reconstructed open channel bed to incorporate natural river features including pools and riffles
C06_G01	-	0 to 2673	Channel to be maintained over a distance of 2673m from Blackpool Church (C06_000) to upstream of Rose Cottage (C06_2673).
C06_G04	-	1812	Proposed otter habitat enhancement measures
C06_G05	-	1726	Proposed access stairs to be constructed over the proposed flood defence wall.
C06_G06	-	1660	Proposed access stairs to be constructed over the proposed flood defence wall.
C06_L05	201 to 259	-	Proposed sheet pile flood defence wall to be constructed typically 0.83m above existing ground levels to flood defence level (20.01mOD). Proposed flood wall to tie into flood wall C07_L02 at the upstream end. All drainage outfalls to be fitted with non-return valves.
C06_L05	182 to 201	-	Proposed sheet pile flood defence wall to be constructed typically 1.32m above existing ground levels to flood defence level (19.80mOD). All drainage outfalls to be fitted with non-return valves.
C06_L05	123 to 182	-	Proposed sheet pile flood defence wall to be constructed typically 1.20m above existing ground levels to flood defence level (19.58mOD). All drainage outfalls to be fitted with non-return valves.
C06_L05	45 to 123	-	Proposed sheet pile flood defence wall to be constructed typically 1.20m above existing ground levels to flood defence level (19.50mOD). All drainage outfalls to be fitted with non-return valves.
C06_L05	0 to 45	-	Proposed sheet pile flood defence wall to be constructed typically 1.00m above existing ground levels to flood defence level (19.30mOD). Flood wall to tie into existing bridge parapet. All drainage outfalls to be fitted with non-return valves.
C06_L06	0 to 9	-	Proposed new reinforced concrete bridge parapet to be constructed typically 0.55m above existing bridge deck level to flood defence level (19.30mOD). All drainage outfalls to be fitted with non-return valves.
C06_L07	0 to 81	-	Proposed reinforced concrete flood defence wall to be constructed behind the existing river wall to flood defence level (17.51mOD). New wall to be typically 0.59m above existing ground levels. All drainage outfalls to be fitted with non-return valves.
C06_L08	0 to 76	-	Proposed reinforced concrete flood defence wall to be constructed behind the existing river wall to flood defence level (17.51mOD). New wall to be typically 0.56m above existing ground levels. All drainage outfalls to be fitted with non-return valves.
C06_L09	0 to 9	-	Existing bridge parapet to be raised to a height 0.57m above existing ground levels to flood defence level (17.51mOD). All drainage outfalls to be fitted with non-return valves.
C06_L10	0 to 9	-	Formalise and repair existing bridge parapet to flood defence level (17.03mOD), where necessary.
C06_L11	75 to 153	-	Proposed reinforced concrete flood defence wall to be constructed behind the existing river wall to flood defence level (17.03mOD). New wall to be typically 0.45m above existing ground levels. All drainage outfalls to be fitted with non-return valves.
C06_L12	75 to 151	-	Proposed reinforced concrete flood defence wall to be constructed behind the existing river wall to flood defence level (17.03mOD). New wall to be typically 0.35m above existing ground levels. All drainage outfalls to be fitted with non-return valves.
C06_P01	-	1635	Proposed overflow surface water pumping station and rising main to operate during a flood event at C06_1635. All outlets to be fitted with non-return valves.
C06_P02	-	1414	Proposed overflow surface water pumping station and rising main to be constructed on existing surface water drainage network at C06_1414. Pump to operate during a flood event. All outlets to be fitted with non-return valves.
C07_L02	0 to 43	-	Proposed sheet pile flood defence wall to be constructed typically 1.20m above existing ground levels to flood defence level (20.01mOD). Proposed flood wall to tie into proposed flood walls C07_L01 and C06_L05. All drainage outfalls to be fitted with non-return valves, other than the outlet of the proposed 0.90m pipe.

notes.

1. Do not scale from drawing.

Schedules.



2. This drawing should be read in conjunction with all other River Bride (Blackpool) Certified Drainage Scheme Confirmation Drawings and

Drg. No. RB_206 Proposed Flood Defences - Plan Layout (Sheet 6 of 12)



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



Location Plan



Key Plan

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

Key to Plan



Channel Centreline, Reference (C06) and
Chainana (m)

- Chainage (m)
- Photomontage (Location, Orientation and No.)
- Proposed Flood Defence Wall

0 5 10 20

- Reconstruct/Repair Existing Wall
- Proposed Retaining Wall
- Interference Reference
- Location and Reference of Cross Section
- **Proposed Manhole** (Surface Water)
- Proposed Drain (Surface Water)
- Proposed Pumping Station (Surface Water)
- Proposed Rising Main (Surface Water)

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

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- Existing Culvert to be Retained
- Proposed Regrading of Ground Levels
- Proposed Sediment Trap
- Watercourse
- Proposed New/Reconstructed Open Channel
- Proposed Backfill of Existing Watercourse
- Proposed Flood Defence Embankment
- Proposed New Bridge
- Proposed Works Chainage (m)
- Proposed Road and Footpath
- Proposed Vehicle Access Gate

Interference Reference	Proposed Works Chainage (m)	Channel Chainage (m)	General De
C06_B02	0 to 20	-	Replace exis wide deck. S
C06_B02a	-	741	Existing pede
C06_C02	-	980 to 1418	Proposed rec
C06_C03	-	980 to 1060	Proposed see Rock weirs to
C06_C04	-	915 to 980	Removal of the from C06_91
C06_C05	-	875 to 915	Proposed rec
C06_E02	0 to 121	741 to 844	Proposed floo ground levels Sunbeam Inc
C06_G01	-	0 to 2673	Channel to b (C06_2673).
C06_G03	-	1074	Remove exis
C06_L11	0 to 19	-	Proposed rei (16.58mOD). non-return va
C06_L11	19 to 75	-	Proposed rei (16.80mOD). non-return va
C06_L12	0 to 19	-	Proposed rei (16.58mOD). non-return va
C06_L12	19 to 75	-	Proposed rei (16.80mOD). non-return va
C06_L13	0 to 9	-	Existing bridg (16.58mOD).
C06_L14	0 to 9	-	Formalise an
C06_L15	0 to 91	-	Proposed rei existing river drainage out
C06_L16	0 to 59	-	Formalise an fitted with no
C06_L16	59 to 144	-	Formalise an fitted with no
C06_L17	0 to 88	-	Proposed rei
C06_L18	0 to 14	-	Proposed rei
C06_L18	14 to 80	-	Proposed rei
C06_L18	80 to 108	-	Proposed rei outfalls to be
C06_L18	108 to 147	-	Proposed reil outfalls to be
C06_L19	0 to 20	-	Proposed rei
C06_L19	20 to 86	-	Proposed rei
	86 to 90	-	outfalls to be
C06_L19	90 to 129	-	Proposed rei defence leve
	129 to 190	-	outfalls to be
C06_L19	190 to 219	-	Proposed reil defence leve
C06_L21	0 to 15	-	Proposed rei
C06_D22	0 to 212	-	Proposed mile existing grou
	-	1200	flood event a
		1031	Froposed sui
C06_R03	υ το 202	-	Proposed ne raise road to
C06_R04	0 to 58	-	Existing grou
C06_T02	-	785	Proposed tra into the west

Notes:

1. Do not scale from drawing.

Schedules.

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escription of Proposed Works

Issued July 2018

sting concrete bridge with a new reinforced concrete bridge. Bridge to be of 10.50m clear span and 20m Soffit level of new bridge to be 14.85mOD.Construct new access ramps to bridge, incorporating new oncrete retaining walls where necessary.

estrian footbridge to removed.

constructed open channel bed to incorporate natural river features including pools and riffles

diment trap to be 80m long and typically 20m wide with maintenance access platform and access ramp. to be constructed at 20m centres.

the existing culvert and replace with new re-aligned walled open channel 65m long x average 12m wide 15 to C06_980. New open channel to incorporate natural river features including pools and riffles.

constructed open channel bed to incorporate natural river features including pools and riffles bod defence embankment to be constructed typically 12m wide and to a height of 1.15m above existing ls to flood defence level (14.65mOD). Flood defence embankment to tie into high ground downstream of dustrial Estate bridge and into the proposed flood defence wall at Blackpool Retail Park. be maintained over a distance of 2673m from Blackpool Church (C06 000) to upstream of Rose Cottage

sting pedestrian bridge and weir structure at C06 1074.

inforced concrete flood defence wall to be constructed behind the existing river wall to flood defence level New wall to be typically 0.94m above existing ground levels. All drainage outfalls to be fitted with alves.

nforced concrete flood defence wall to be constructed behind the existing river wall to flood defence level New wall to be typically 0.65m above existing ground levels. All drainage outfalls to be fitted with alves.

nforced concrete flood defence wall to be constructed behind the existing river wall to flood defence level New wall to be typically 0.68m above existing ground levels. All drainage outfalls to be fitted with alves.

nforced concrete flood defence wall to be constructed behind the existing river wall to flood defence level New wall to be typically 0.45m above existing ground levels. All drainage outfalls to be fitted with alves.

ge parapet wall to be raised to a height typically 0.73m above existing ground levels to flood defence level All drainage outfalls to be fitted with non-return valves.

nd repair existing bridge parapet wall to flood defence level (16.03mOD), where necessary.

nforced concrete reinforced concrete reinforced concrete flood defence wall to be constructed behind the wall to flood defence level (16.03mOD). New wall to be typically 1.27m above existing ground levels. All falls to be fitted with non-return valves.

nd repair existing wall to flood defence level (15.65mOD), where necessary. All drainage outfalls to be on-return valves.

nd repair existing wall to flood defence level (16.03mOD), where necessary. All drainage outfalls to be on-return valves.

nforced concrete retaining wall to form access ramp to proposed sediment trap

nforced concrete flood defence wall to be constructed to 15.63mOD. (Wall to be constructed above flood l of 15.12mOD to retain the proposed road). All drainage outfalls to be fitted with non-return valves. nforced concrete flood defence wall to be constructed to 15.31mOD. (Wall to be constructed above flood of 15.12mOD for constructability reasons). All drainage outfalls to be fitted with non-return valves nforced concrete flood defence wall to be constructed to flood defence level (15.31mOD). All drainage fitted with non-return valves.

nforced concrete flood defence wall to be constructed to flood defence level (15.65mOD). All drainage fitted with non-return valves.

nforced concrete flood defence wall to be constructed to 15.63mOD. (Wall to be constructed above flood l of 15.12mOD to retain the proposed road). All drainage outfalls to be fitted with non-return valves. inforced concrete flood defence wall to be constructed to 15.43mOD. (Wall to be constructed above flood l of 15.12mOD to retain the proposed road). All drainage outfalls to be fitted with non-return valves. nforced concrete flood defence wall to be constructed to flood defence level (15.31mOD). All drainage fitted with non-return valves.

nforced concrete flood defence wall to be constructed to 15.43mOD. (Wall to be constructed above flood l of 15.31mOD to retain the proposed road). All drainage outfalls to be fitted with non-return valves. nforced concrete flood defence wall to be constructed to flood defence level (15.65mOD). All drainage fitted with non-return valves.

nforced concrete flood defence wall to be constructed to 15.76mOD. (Wall to be constructed above flood of 15.65mOD to retain the proposed road). All drainage outfalls to be fitted with non-return valves. nforced concrete retaining wall to be constructed to a height typically 0.42m above proposed road levels. ni-piled reinforced concrete flood defence wall to be constructed to a height maximum 1.53m above

Ind levels to flood defence level (14.65mOD). All drainage outfalls to be fitted with non-return valves. rface water overflow pump station, collector drain, overflow manhole and rising main to operate during a at C06 1200. All outlets to be fitted with non-return valves.

rface water overflow pump station, collector drain, overflow manhole and rising main to operate during a at C06_1031. All outlets to be fitted with non-return valves.

ew access road and footpath 202m long x 7m wide, with 1.5m wide footpath on the northern side. Locally flood defence level (15.31mOD) at chainage 75m.

und to be regraded to provide pedestrian access over the proposed flood embankment into the park to e level (14.65mOD). Ramp to be graded at a maximum slope of 1:20.

ash screen to be constructed adjacent to Blackpool Retail Park. A mammal passage is to be incorporated tern arm of the structure to facilitate bypass of the trash screen

2. This drawing should be read in conjunction with all other River Bride (Blackpool) Certified Drainage Scheme Confirmation Drawings and

Drg. No. RB_207 Proposed Flood Defences - Plan Layout (Sheet 7 of 12)

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52 St. Stephen's Green Dublin 2.

reland



Location Plan



Keyplan

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

Key to Plan



Channel Centrelines, Reference (C0 Chainage (m) Photomontage (Location, Orientation

50 Metres

Proposed Flood Defence Wall

Interference Reference

0 5 10 20

Location and Reference of Cross Se

Proposed Backfill of Existing Watercourse

Proposed Flood Defence Embankment

Interference Reference	Proposed Works Chainage (m)	Channel Chainage (m)	Gene
C06_B03	-	629	Exist
C06_B04	0 to 342	-	Repla dowr dime valve
C06_G01	-	0 to 2673	Char upstr
C06_L22	0 to 212	-	Prop maxi drain
C06_L23	0 to 49	-	Propo 1.53r outfa wate defer
C06_R04	0 to 58	-	Exist emba maxi

Notes:

Do not scale from drawing.

2. This drawing should be read in conjunction with all other River Bride (Blackpool) Certified Drainage Scheme Conformation Drawings and Schedules.

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

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course

- Existing Culvert to be Retained
 - Proposed Regrading of Ground Levels
 - Watercourse
 - Proposed Open channel
 - Proposed Reinforced Concrete Culvert
 - Proposed Works Chainage (m)
 - Proposed Sump Manhole (Surface Water)

Drg. No. RB_208 Proposed Flood Defences - Plan Layout (Sheet 8 of 12)



neral Description of Proposed Works

sting pedestrian footbridge to be removed.

place existing channel with a proposed reinforced concrete culvert to be constructed Instream of Blackpool Bypass through Orchard Court. Proposed culvert to be of internal ension 5.5m wide and 2.1m high. All drainage outfalls to be fitted with non-return

annel to be maintained over a distance of 2673m from Blackpool Church (C06_000) to tream of Rose Cottage (C06_2673).

bosed mini-piled reinforced concrete flood defence wall to be constructed to a height imum 1.53m above existing ground levels to flood defence level (14.65mOD). All nage outfalls to be fitted with non-return valves.

posed reinforced concrete flood defence wall to be constructed to a height maximum 3m above existing ground levels to flood defence level (13.80mOD). All drainage falls to be fitted with non-return valves. Works to include construction of a new surface er sump manhole with associated local collector drain adjacent to the new flood ence wall.

sting ground to be regraded to provide pedestrian access over the proposed flood bankment into the park to flood defence level (14.65mOD). Ramp to be graded at a kimum slope of 1:20.

> **JBA** consulting

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



Location Plan



Key Plan

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

Key to Plan

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 Manhole (CSO - secondary overflow to pumping station)	P
Proposed Drain	
(Surface Water)	
Proposed Drain (CSO)	50
Existing Culvert to be Retained	\sim
Proposed Roughing Screen	

50 Metres

Existing Fencing

Proposed Fencing

nterference Reference	Proposed Works Chainage (m)	Channel Chainage (m)	Gen
C03_G01	-	0 to 542	Char Wate Glen
C04_G01	-	0 to 230	Char
C04_G03	0 to 99	-	Exist
C04_G04	0 to 17	-	Prop in wit
C04_L01	0 to 17	-	Prop (16.2
C04_L01	17 to 45	-	Prop (16.4
C04_L01	45 to 61	-	Prop (16.6
C04_L01	61 to 77	-	Prop (16.9
C04_L01	77 to 93	-	Prop (17.2
C04_L01	93 to 109	-	Prop (17.4
C04_R01	0 to 17	-	Prop scree
C04_T01	-	10	Prop trash
C05_G01	-	0 to 398	Char Lane
C05_SL01	-	398	Prop pens
C05_T01	-	398	Exist
C06_B04	0 to 342	-	Repl dowr dime
C06_B05	-	111	Rem
C06_B06	320 to 327	-	Repl 5.5m
C06_B07	294 to 320	-	Exist work with
C06_B08	257 to 294	-	Repl 5.5m
C06_G01	-	0 to 2673	Char upstr
C06_P05	-	339	Prop oper
C06_P06	-	134	Prop to op
C06_P07	-	134	Prop oper
C06_P08	-	37	Prop risinç non-

Notes:

Do not scale from drawing.

This drawing should be read in conjunction with all other River Bride (Blackpool) Certified Drainage Scheme Conformation 2. Drawings and Schedules.

Watercourse

Proposed Flood Defence Wall

Proposed Reinforced Concrete Culvert

Proposed Replacement Reinforced Concrete Culvert

Scale 1:1,000 at A1

Scale 1:2,000 at A3

Pressurised Existing Culvert

Proposed Pumping Station (Surface Water)

Proposed Rising Main (Surface Water)

Proposed Pumping Station (CSO)

Proposed Rising Main (CSO)

Proposed Drain (CSO)

Proposed Works Chainage (m)

Proposed Vehicle Gate

Proposed Sluice

Proposed Regrading of Ground Levels

neral Description of Proposed Works

nnel to be maintained over a distance of 542m from the confluence of the Back tercourse and the Kiln Watercourses (C03_000) to the existing trash screen on the (Spring Lane Branch at C05 333).

annel to be maintained over a distance of 230m from the existing trashscreen at Spring e (C04_00) to the entrance of the culvert east of the railway line at (C04_230)

sting fencing to be maintained

posed fencing to be constructed around the proposed access ramp (C04_R01) and tie vith proposed wall (C04_L01) at both ends.

osed reinforced concrete flood defence wall to be constructed to flood defence level 27mOD).

posed reinforced concrete flood defence wall to be constructed to flood defence level 15mOD).

bosed reinforced concrete flood defence wall to be constructed to flood defence level 66mOD).

posed reinforced concrete flood defence wall to be constructed to flood defence level 92mOD).

bosed reinforced concrete flood defence wall to be constructed to flood defence level 2mOD).

osed reinforced concrete flood defence wall to be constructed to flood defence level 48mOD).

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

posed roughing screen to be installed upstream of the existing Spring Lane nscreen

innel to be maintained over a distance of 398m from the existing trashscreen at Spring e (C05_398) to the confluence to the proposed culvert at the River Bride (C05_000) posed vortex flow control manhole to limit flow on the Glen (Spring Lane Branch). A

stock is proposed to act as a backup control measure.

sting trash screen on Spring Lane to be removed at C05 398.

lace existing channel with a proposed reinforced concrete culvert to be constructed nstream of Blackpool Bypass through Orchard Court. Proposed culvert to be of internal ension 5.5m wide and 2.1m high. All drainage outfalls to be fitted with non-return

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

lace existing culvert with a proposed reinforced concrete culvert of internal dimension n wide and 2.1m high. All drainage outfalls to be fitted with non-return valves.

ting culvert to be pressurised during a flood event. Repairs to the existing culvert and to internal joints to be carried out where necessary. All drainage outfalls to be fitted non-return valves.

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

nnel to be maintained over a distance of 2673m from Blackpool Church (C06 000) to ream of Rose Cottage (C06 2673).

posed local surface water pumping station, collector drain, manhole and rising main to rate during a flood event at C06 339. All outlets to be fitted with non-return valves. posed combined sewer overflow (CSO) pumping station, collector drain and rising main

perate during a flood event at C06_134. All outlets to be fitted with non-return valves. osed local surface water pumping station, collector drain, manhole and rising main to rate during a flood event at C06 134. All outlets to be fitted with non-return valves. posed combined sewer overflow (CSO) pumping station, collector drain, manhole and ng main to operate during a flood event at C06 37. All outlets to be fitted with return valves.

Drg. No. RB_209 Proposed Flood Defences - Plan Layout (Sheet 9 of 12)

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Location Plan

Key Plan

Scale 1:25,000 at A1 Scale 1:50,000 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 Existing Pedestrian Bridge)
50	Proposed Works Chainage (m)
	Proposed Regrading of Ground Levels

0 5 10 20

Interference Reference	Proposed Works Chainage (m)	Channel Chainage (m)	Gei
C03_G01	-	0 to 542	Cha Wa Gle
C04_G01	-	0 to 230	Cha Spr
C04_G02	0 to 30	-	Pro ped pro
C04_G03	0 to 99	-	Exis
C04_G04	0 to 17	-	Pro in w
C04_G05	0 to 11	-	Pro ped
C04_G06	-	155	Pro
C04_G07	0 to 10	-	Pro
C04_L01	0 to 17	-	Pro (16
C04_L01	17 to 45	-	Pro (16
C04_L01	45 to 61	-	Pro (16
C04_L01	61 to 77	-	Pro (16
C04_L01	77 to 93	-	Pro (17
C04_L01	93 to 109	-	Pro (17
C04_R01	0 to 17	-	Pro scre
C04_T01	-	10	Pro tras
C05_G01	-	0 to 398	Cha Spr (C0
C05_SL01	-	398	Pro pen
C05_T01	-	398	Exis

Do not scale from drawing.

This drawing should be read in conjunction with all other River Bride (Blackpool) Certified Drainage Scheme Confirmation Drawings and Schedules.

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

50 Metres

Existing Trashscreen

- Proposed Flood Defence Wall
- Proposed Fencing
- Proposed Pedestrian Gate
- Proposed Vehicle Access Gate
- Existing Vehicle Access Gate
- Proposed Sluice
- Existing Wall/ Fencing

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eneral Description of Proposed Works

nannel to be maintained over a distance of 542m from the confluence of the Back atercourse and the Kiln Watercourses (C03 000) to the existing trash screen on the len (Spring Lane Branch at C05_333).

nannel to be maintained over a distance of 230m from the existing trashscreen at pring Lane (C04 00) to the entrance of the culvert east of the railway line at (C04 230) oposed fencing to be constructed to the east of the rail line and to tie into the existing destrian footbridge. A proposed pedestrian gate south of the existing footbridge will vide access to the channel.

isting fencing to be maintained

oposed fencing to be constructed around the proposed access ramp (C04_R01) and tie with proposed wall (C04_L01) at both ends.

oposed fencing to be constructed to the east of the rail line and to tie into the existing destrian footbridge.

oposed security gate on existing railway underpass

oposed railing/fencing to enclose existing footbridge

oposed reinforced concrete flood defence wall to be constructed to flood defence level .27mOD).

oposed reinforced concrete flood defence wall to be constructed to flood defence level

.45mOD). oposed reinforced concrete flood defence wall to be constructed to flood defence level .66mOD).

oposed reinforced concrete flood defence wall to be constructed to flood defence level .92mOD).

oposed reinforced concrete flood defence wall to be constructed to flood defence level .2mOD).

oposed reinforced concrete flood defence wall to be constructed to flood defence level .48mOD).

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. nannel to be maintained over a distance of 398m from the existing trashscreen at pring Lane (C05_398) to the confluence to the proposed culvert at the River Bride 05_000)

oposed vortex flow control manhole to limit flow on the Glen (Spring Lane Branch). A nstock is proposed to act as a backup control measure. isting trash screen on Spring Lane to be removed at C05_398.

Drg. No. RB_210 Proposed Flood Defences - Plan Layout (Sheet 10 of 12)

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