

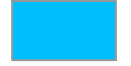
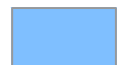
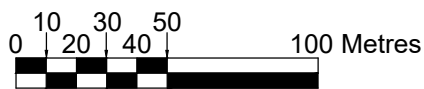


Location Plan

Key to Plan

-  Benefiting Lands
-  Channel Centreline Reference (C06) and Chainage (300m)
-  1 in 100yr Fluvial Flood Extent
-  Watercourse

Notes:  
1. Do not scale from drawing.  
2. This drawing should be read in conjunction with all other River Bride (Blackpool) Certified Drainage Scheme Confirmation Drawings and Schedules.



Scale 1:2,500 at A1  
Scale 1:5,000 at A3

Drg. No. RB\_105 Existing Flood Extents and Proposed Flood Benefit Area (Sheet 2 of 2 )



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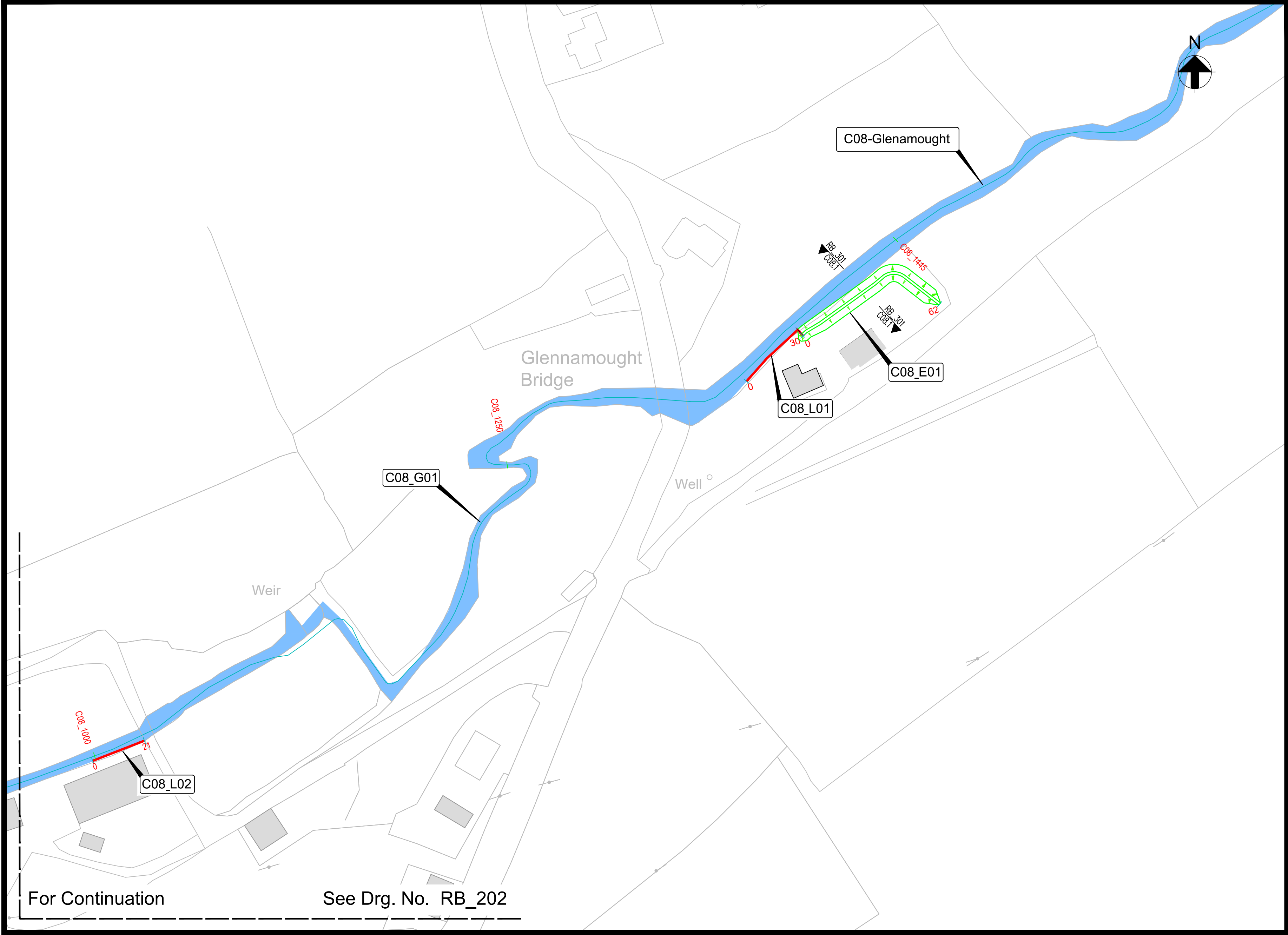
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Proposed Flood Defences - Restrictions

Proposed Flood Defence	Restrictions
Flood Defence Embankments	Flood defence embankments shall not be tilled or planted with any vegetation other than grass. Permanent access to be provided for maintenance and inspection of the flood defence embankments - refer to proposed access and work area drawings RB_501 and RB_502. Flood defence embankments to be regularly maintained through frequent grass cutting (approximately four times per year). Non-authorized vehicular or pedestrian access on flood defence embankments shall not be permitted. Flood defence embankments shall not be grazed by livestock other than sheep due to the potential risk of rutting or causing damage to the embankments. No works shall be permitted in close proximity to flood defence embankments without approval from the Office of Public Works (OPW).
Flood Defence Walls	Permanent access to be provided for maintenance and inspection of flood defence walls - refer to proposed access and work area drawings RB_501 and RB_502. No works shall be carried out to flood defence walls or in close proximity to flood defence walls without approval from the Office of Public Works (OPW). No excavation of material close to flood defence walls shall be permitted without the approval of the Office of Public Works (OPW).
Pumping Stations	Permanent access to be provided for maintenance and inspection of pumping stations - refer to proposed access and work area drawings RB_501 and RB_502. No works shall be carried out near pumping stations or in close proximity to the pumping stations without approval from the Office of Public Works (OPW) No local connections or drains shall be connected to a pumping station without approval from the Office of Public Works (OPW). No vegetation, material or detritus shall be disposed of within the channel, as this may increase the risk of blockage at pumping stations.
Bridges	Permanent access to be provided for maintenance and inspection of bridges - refer to proposed access and work area drawings RB_501 and RB_502. No works shall be carried out to bridges or in close proximity to bridges without approval from the Office of Public Works (OPW). No vegetation, material or detritus shall be disposed of within the channel, as this may increase the risk of blockage at bridges.
Culverts	No local connections or drains shall be connected to culverts without approval from the Office of Public Works (OPW). No works shall be carried out to culverts or in close proximity to culverts without approval from the Office of Public Works (OPW). No vegetation, material or detritus shall be disposed of within the channel, as this may increase the risk of blockage within culverts.
Winter Channel	No works shall be carried out to the winter channel or in close proximity to the winter channel without approval from the Office of Public Works (OPW). No vegetation, material or detritus shall be disposed of within the winter channel, as this may reduce the capacity of the channel.
Sediment Trap	No works shall be carried out to the sediment trap or in close proximity to the sediment trap without approval from the Office of Public Works (OPW).
Regraded Ground	No works shall be carried out to regraded ground, such as road resurfacing, without approval of the Office of Public Works (OPW).
Trash Screens	No works shall be carried out to the trash screens or in close proximity to the trashscreens without approval from the Office of Public Works (OPW).

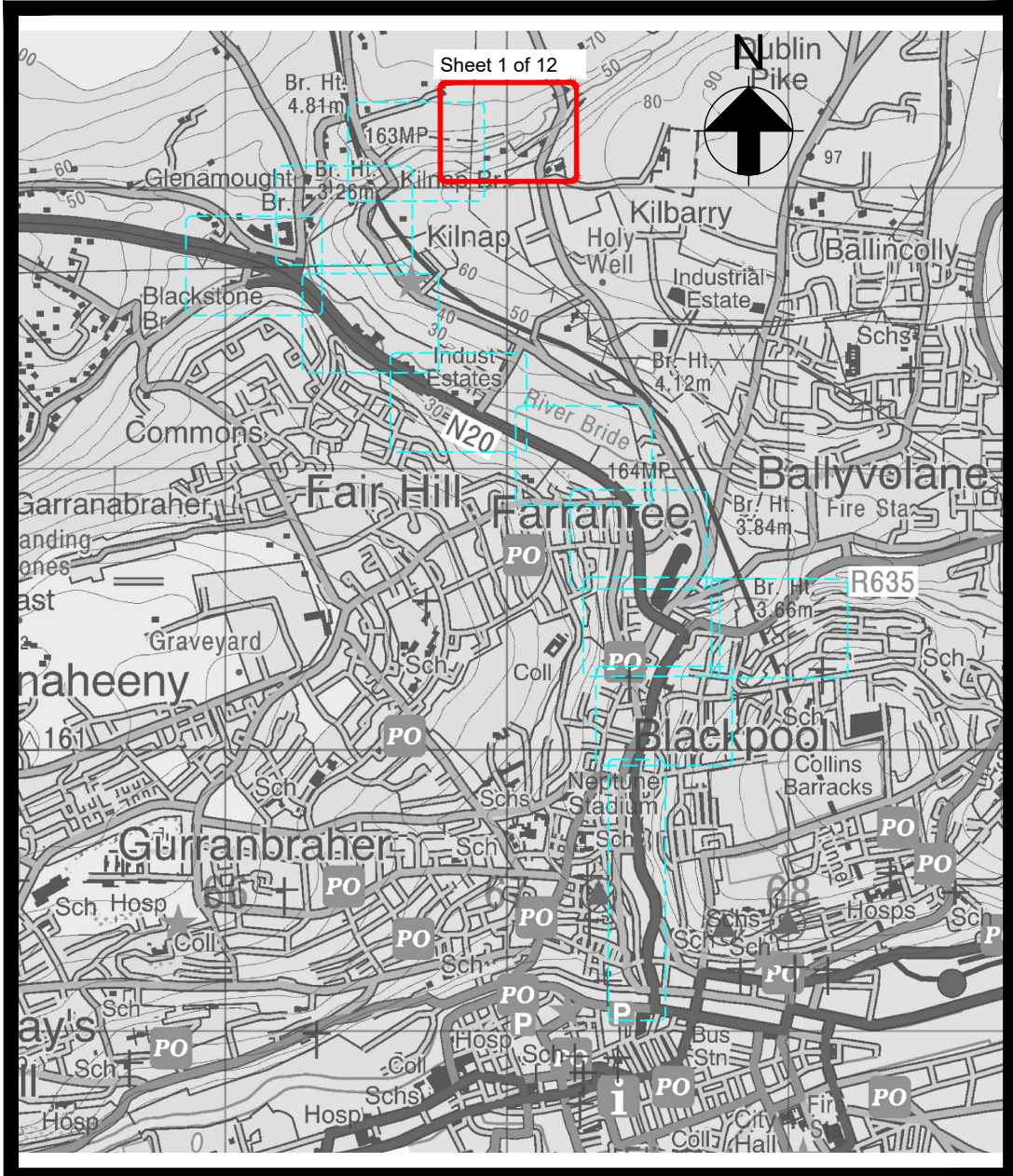




Interference Reference	Proposed Works Chainage (m)	Channel Chainage (m)	General Description of Proposed Works
C08_E01	0 to 62	-	Proposed flood defence embankment to be constructed typically 5.12m wide and to a height of 1.0m above existing ground levels to flood defence level (43.68mOD). Proposed flood defence embankment to tie into high ground at the upstream end and the proposed flood defence wall at the downstream end.
C08_G01	-	0 to 1445	Channel to be maintained over a distance of 1445m from the confluence of the River Glenamought and River Bride (C08-000) to the upstream end of the works (C08-1445).
C08_L01	0 to 30	-	Proposed reinforced concrete wall to be constructed to flood defence level (varies from 43.31mOD to 43.61mOD) on the wet side of the existing boundary wall at Collins' House. Flood wall to tie into high ground at the downstream end and proposed flood defence embankment at the upstream end. Finished wall height to be typically 0.56m above existing ground levels. All drainage outfalls to be fitted with non-return valves.
C08_L02	0 to 21	-	Proposed reinforced concrete wall to be constructed to flood defence level (varies from 37.4mOD to 38.34mOD) at O'Sheas Buildings. Flood wall to tie into the existing bridge structure at the upstream end, and existing ground level at the downstream end. Finished wall height to be typically 0.8m above existing ground levels. All drainage outfalls to be fitted with non-return valves.

- Notes:
- 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.

Location Plan



Key Plan

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

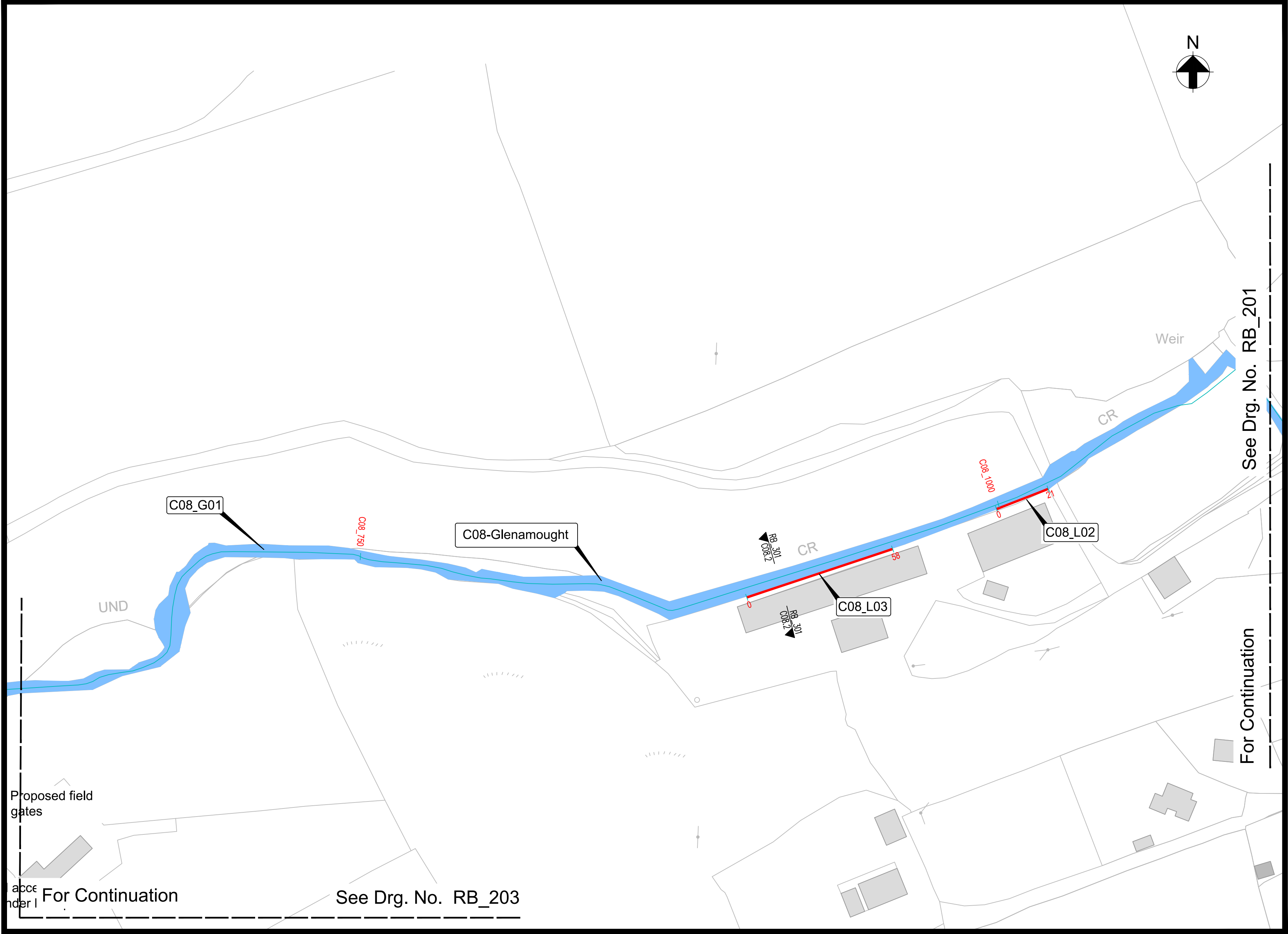
Key to Plan

- Watercourse
- Channel Centreline, Reference (C08) and Chainage (300m)
- Photomontage (Location, Orientation and No.)
- Interference Reference.
- Location and Reference of Cross Section
- Proposed Works Chainage (m)
- Proposed Flood Defence Wall
- Proposed Flood Defence Embankment

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

Drg. No. RB\_201 Proposed Flood Defences - Plan Layout (Sheet 1 of 12)

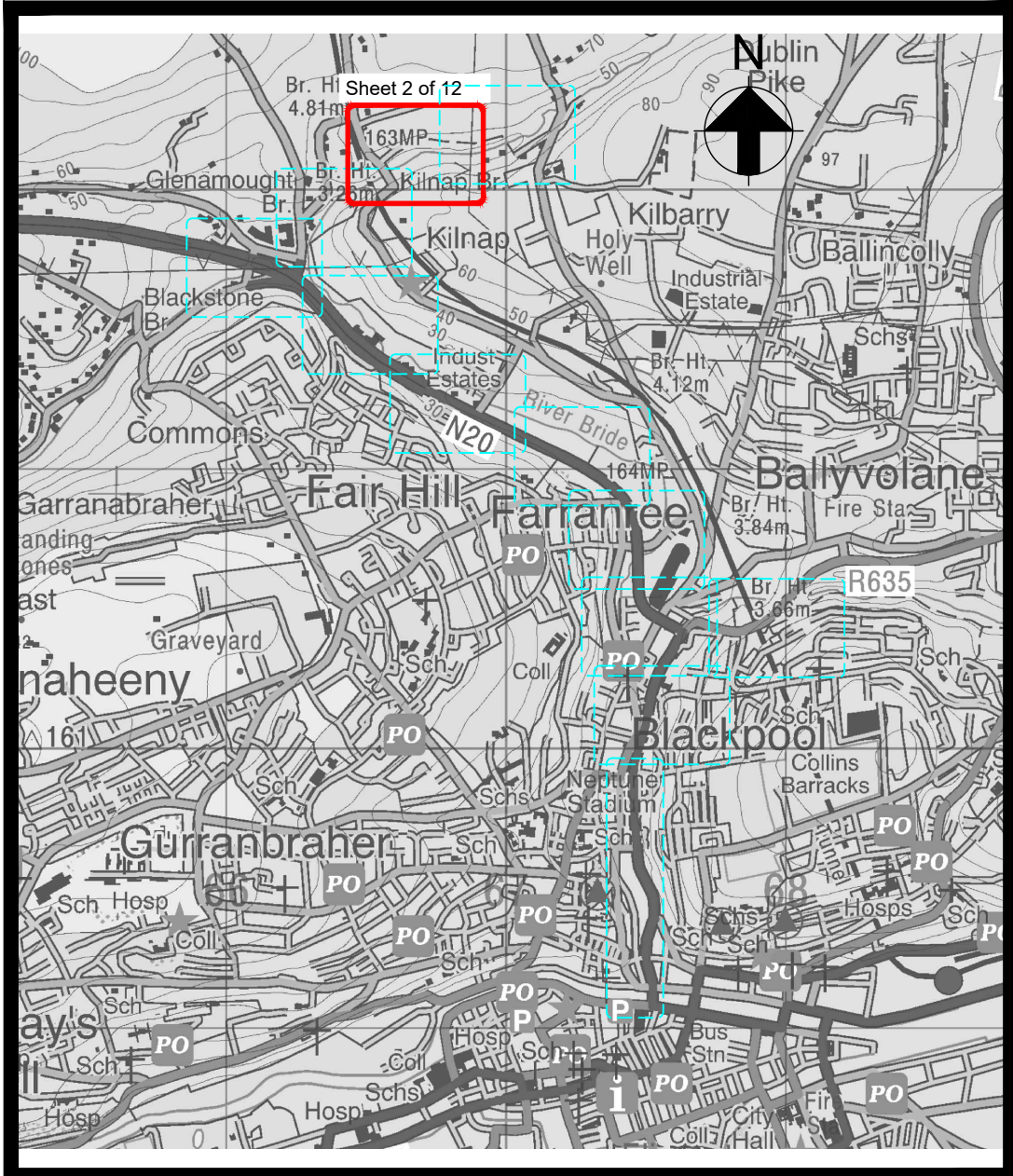




Interference Reference	Proposed Works Chainage (m)	Channel Chainage (m)	General Description of Proposed Works
C08_G01	-	0 to 1445	Channel to be maintained over a distance of 1445m from the confluence of the River Glenamought and River Bride (C08-000) to the upstream end of the works (C08-1445).
C08_L02	0 to 21	-	Proposed reinforced concrete wall to be constructed to flood defence level (varies from 37.4mOD to 38.34mOD) at O'Sheas Buildings. Flood wall to tie into the existing bridge structure at the upstream end, and existing ground level at the downstream end. Finished wall height to be typically 0.8m above existing ground levels. All drainage outfalls to be fitted with non-return valves.
C08_L03	0 to 58	-	Proposed reinforced concrete wall to be constructed to flood defence level (varies from 35.15mOD to 36.44mOD) at O'Sheas Buildings. Flood wall to tie into existing ground level at both ends. Finished wall height to be typically 0.53m above existing ground levels. All drainage outfalls to be fitted with non-return valves.

- Notes:
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Location Plan



Key Plan

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

Key to Plan

- Watercourse
- Channel Centreline, Reference (C08) and Chainage (300m)
- Interference Reference.
- Location and Reference of Cross Section
- Proposed Works Chainage (m)
- Proposed Flood Defence Wall



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

Drg. No. RB\_202 Proposed Flood Defences - Plan Layout (Sheet 2 of 12)

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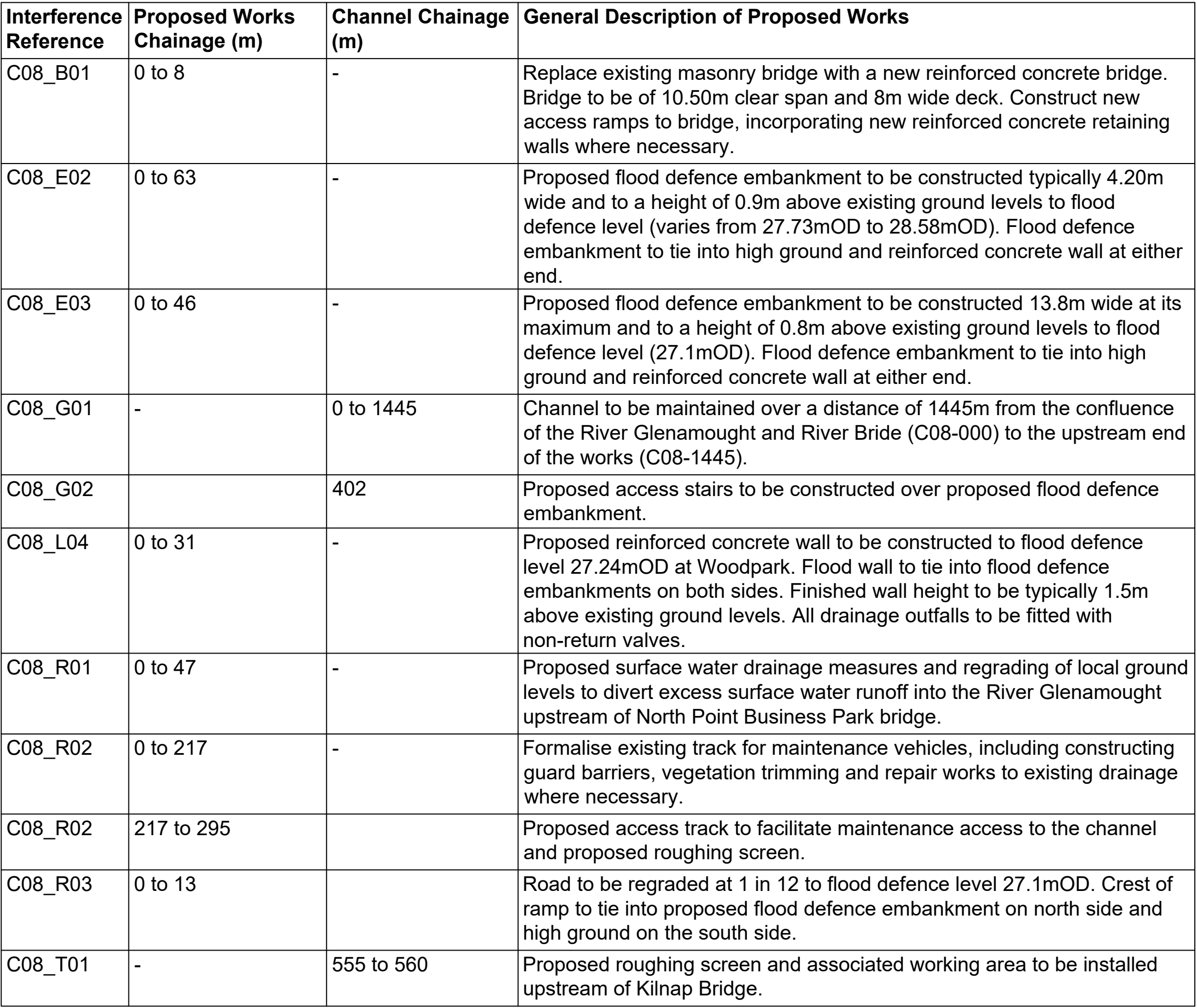


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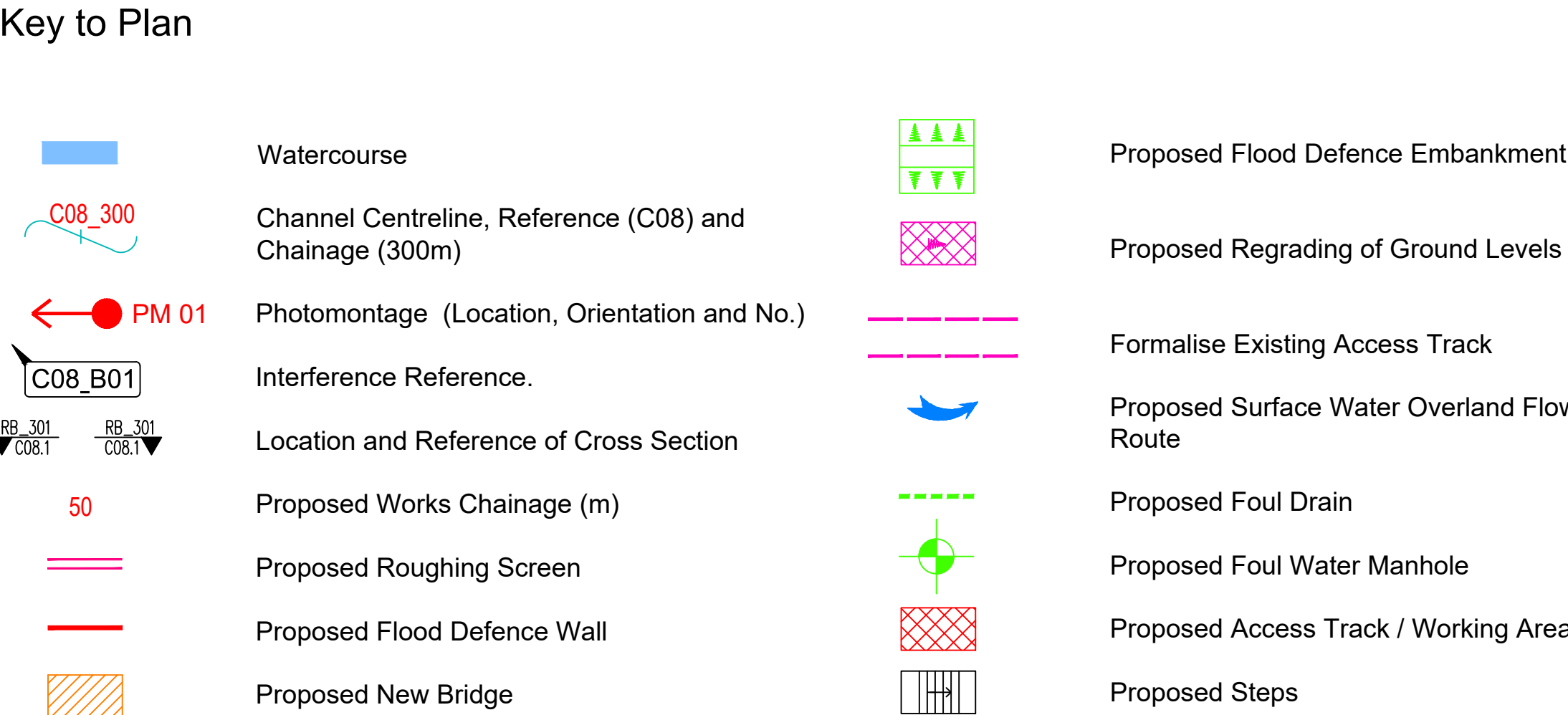
Issued July 2018



Notes:

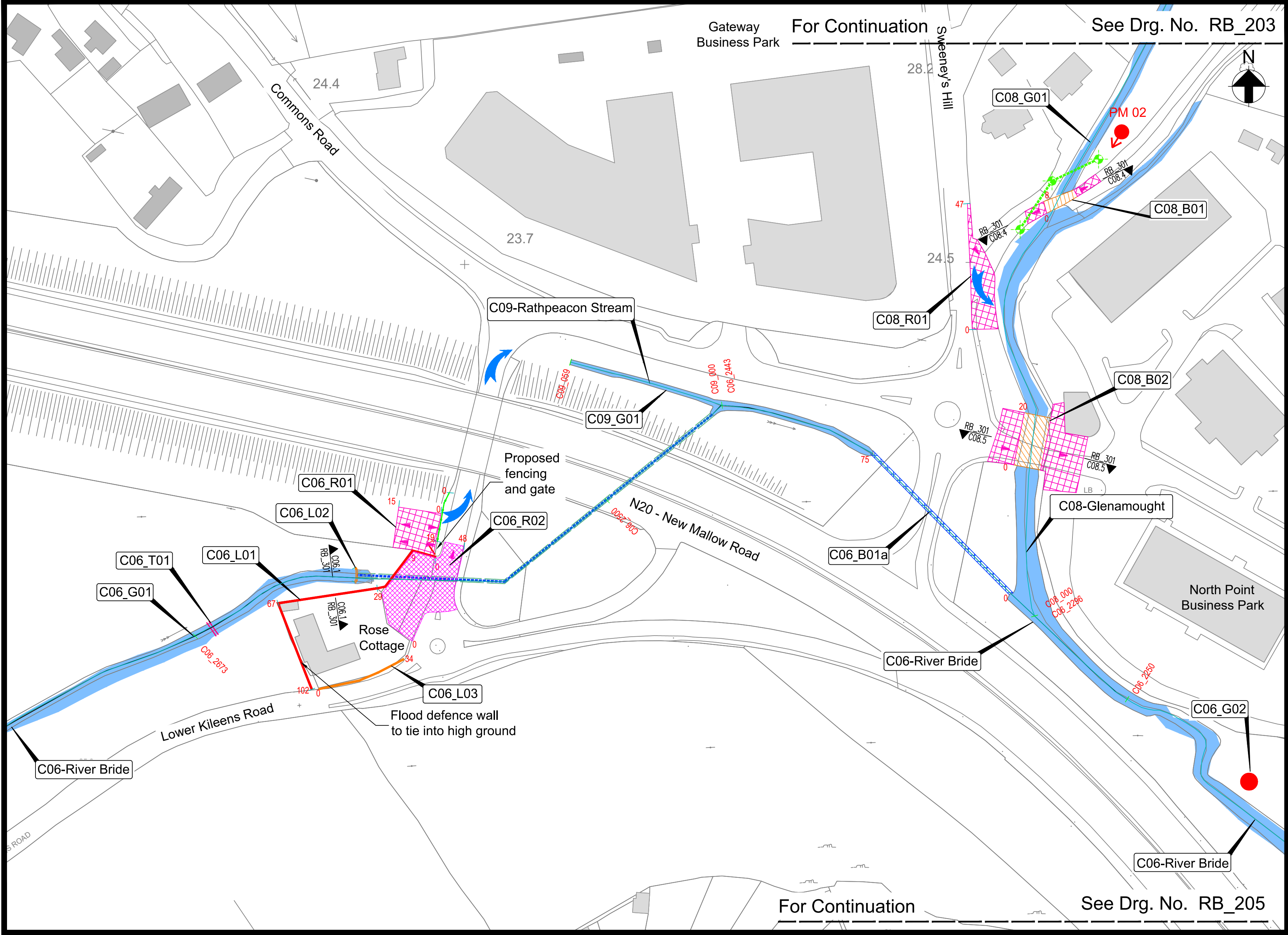
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Scale 1:1,000 at A1  
Scale 1:2,000 at A3

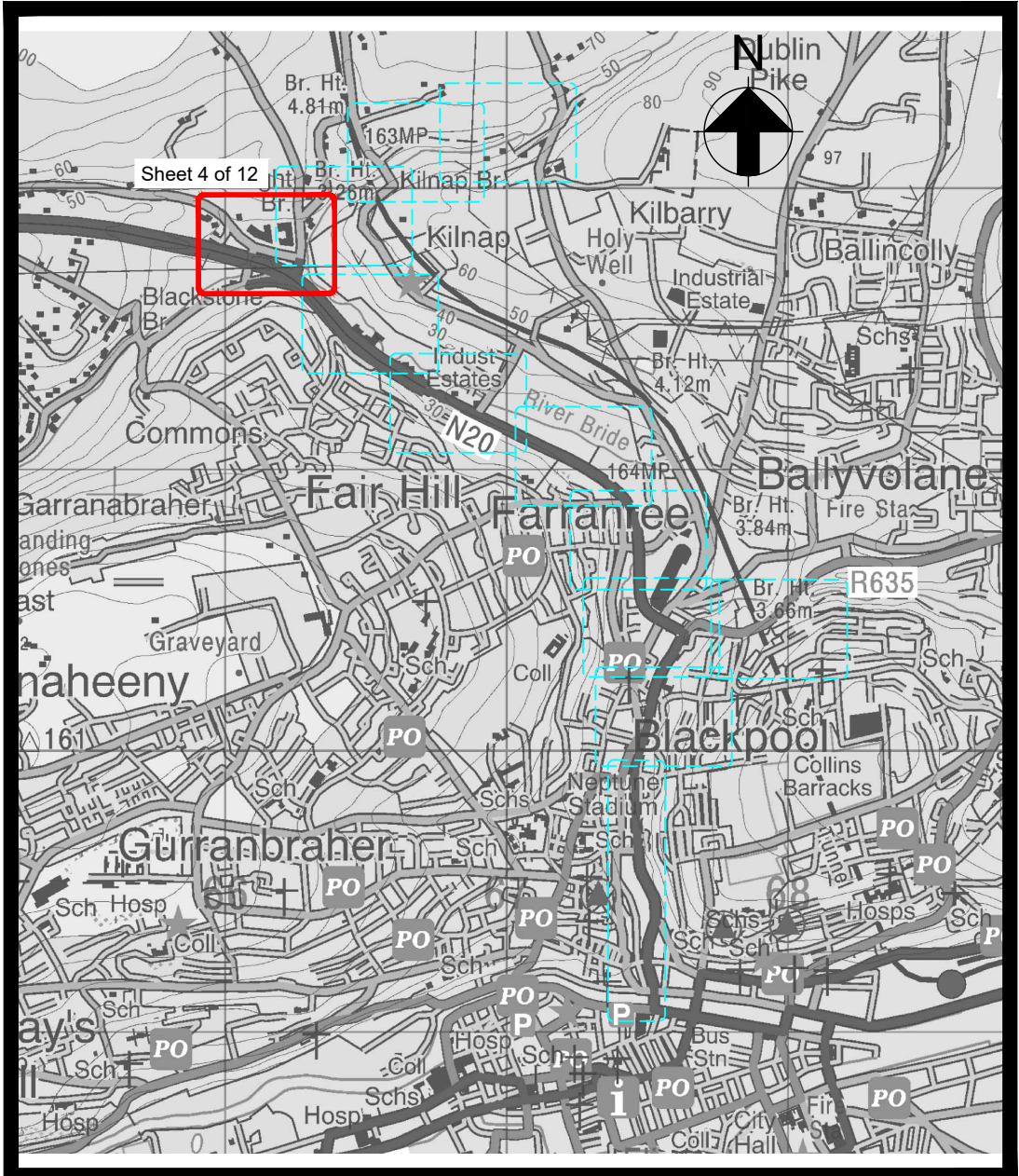


Scale 1:25,000 at A1  
Scale 1:50,000 at A3





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



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

Key to Plan

- |  |   |  |  |
|--|---|--|--|
|  | Watercourse   |  | Existing Culvert to be Retained            |
|  | Channel Centreline, Reference (C08) and Chainage (300m) |  | Proposed Regrading of Ground Levels        |
|  | Photomontage (Location, Orientation and No.)            |  | Proposed Wall                              |
|  | Proposed Flood Defence Wall                             |  | Proposed Vehicle Access Gate               |
|  | Interference Reference                                  |  | Proposed Fencing                           |
|  | Location and Reference of Cross Section                 |  | Proposed Surface Water Overland Flow Route |
|  | Proposed Works Chainage (m)                             |  | Habitat Enhancement Measures               |
|  | Proposed New Bridge                                     |  | Proposed Drain (Foul Water)                |
|  | Proposed Roughing Screen                                |  | Proposed Foul Water Manhole                |
|  |   |  | Proposed Reinforced Concrete Culvert       |

Interference Reference	Proposed Works Chainage (m)	Channel Chainage (m)	General Description of Proposed Works
C06_B01a	0 to 75	-	Reconstruction of existing pipe culvert. Proposed reinforced concrete culvert of internal dimension 2.5m wide and 2.0m high. All drainage outfalls to be fitted with non-return valves.
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_L01	0 to 29	-	Proposed reinforced concrete wall to be constructed to a height typically 0.65m above existing ground levels to flood defence level (25.50mOD). All drainage outfalls to be fitted with non-return valves.
C06_L01	29 to 102	-	Proposed sheet pile wall to be constructed above flood defence level (25.50mOD) to 25.80mOD on the wet side of the existing boundary wall at Rose Cottage. Finished wall height to be typically 1.70m above existing ground levels. All drainage outfalls to be fitted with non-return valves.
C06_L02	0 to 6	-	Proposed reinforced concrete headwall and wing wall structure to be constructed around the existing concrete culvert inlet.
C06_L03	0 to 34	-	Existing open wall south of Rose Cottage to be reconstructed in solid blockwork to 1.1m above path level.
C06_R01	0 to 15	-	Proposed vehicle access ramp crest to be at flood defence level (25.00mOD). Proposed ramp to tie into the proposed flood defence wall at Rose Cottage and high ground at the N20 road embankment.
C06_R02	0 to 48	-	Proposed regrading of existing ground levels to divert surface water overland flow (during a design exceedance event) underneath the existing N20 road bridge to the Rathpeacon Stream.
C06_T01	-	2666	Existing 2 no. trash screens to be removed and replaced with a single new roughing screen upstream of Rose Cottage.
C08_B01	0 to 8	-	Replace existing masonry bridge with a new reinforced concrete bridge. Bridge to be of 10.50m clear span and 8m wide deck. Construct new access ramps to bridge, incorporating new reinforced concrete retaining walls where necessary.
C08_B02	0 to 20	-	Replace existing pipe culvert bridge with a new reinforced concrete bridge. Bridge to be of 9.00m clear span and 20m wide deck. Construct new access ramps to bridge, incorporating new reinforced concrete retaining walls where necessary.
C08_G01	-	0 to 1445	Channel to be maintained over a distance of 1445m from the confluence of the River Glenamought and River Bride (C08-000) to the upstream end of the works (C08-1445).
C08_R01	0 to 47	-	Proposed surface water drainage measures and regrading of local ground levels to divert excess surface water runoff into the River Glenamought upstream of North Point Business Park bridge.
C09_G01	-	0 to 59	Channel to be maintained over a distance of 59m from C09_000 to C09_59.

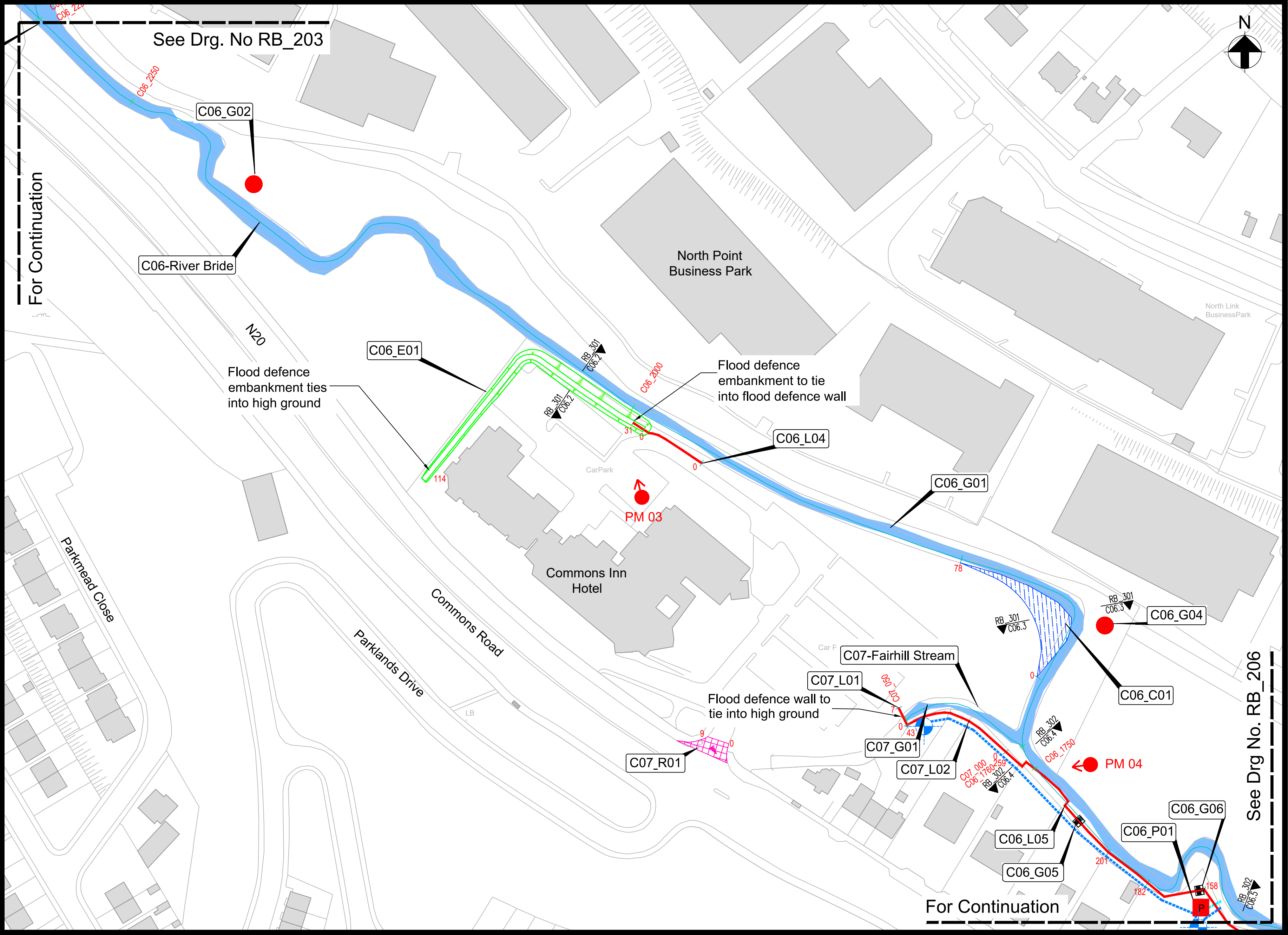
- Notes:
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Drg. No. RB\_204 Proposed Flood Defences - Plan Layout (Sheet 4 of 12)

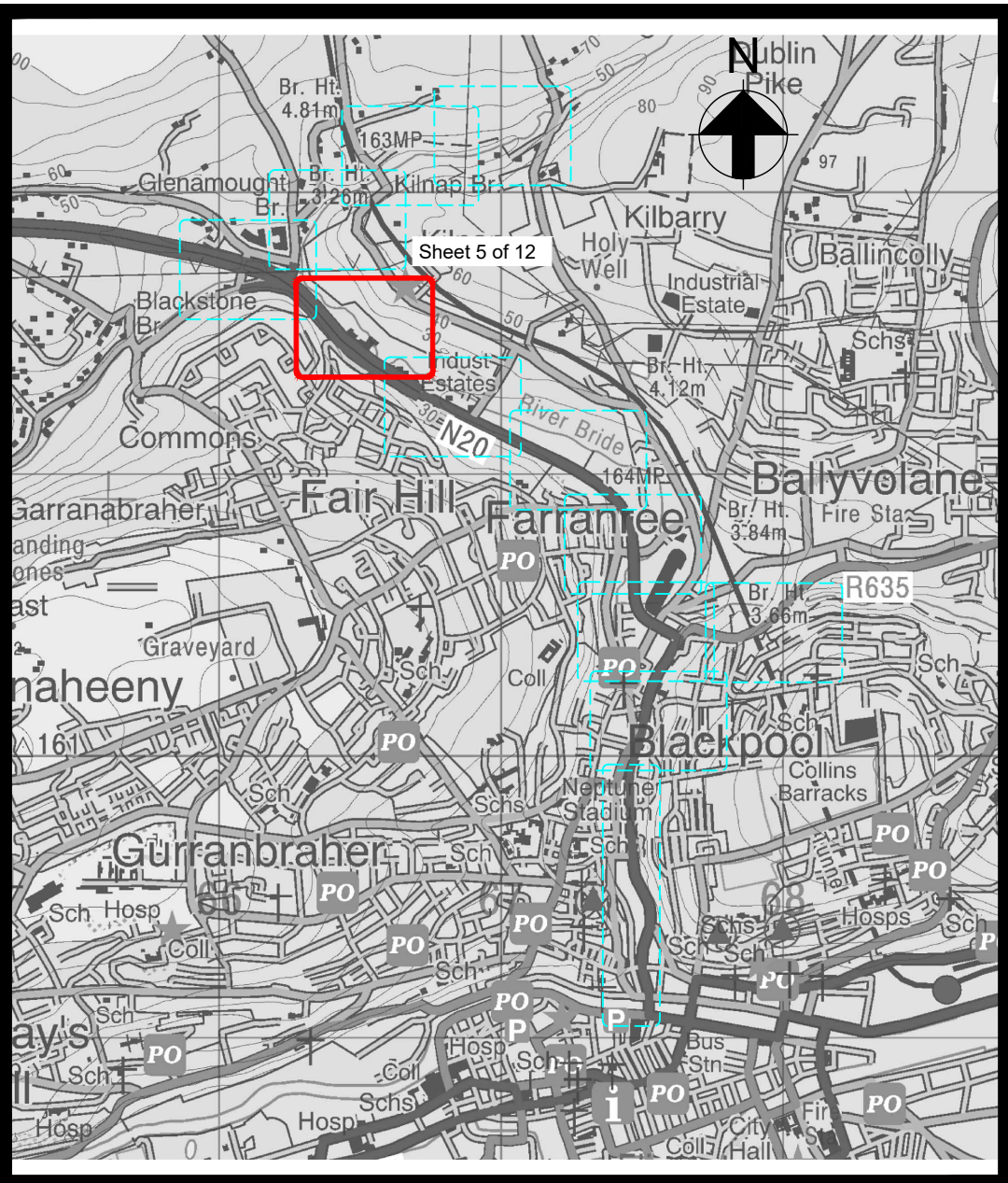


River Bride (Blackpool) Certified Drainage Scheme

Issued July 2018



Location Plan



Key Plan

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

Key to Plan

	Watercourse		Proposed Flood Defence Embankment
	Channel Centreline, Reference (C06) and Chainage (300m)		Proposed Winter Channel
	Photomontage (Location, Orientation and No.)		Proposed Regrading of Ground Levels
	Proposed Flood Defence Wall		Proposed Pumping Station (Surface Water)
	Interference Reference		Proposed Rising Main (Surface Water)
	Location and Reference of Cross Section		Habitat Enhancement Measures
	Proposed Manhole (Surface Water)		Proposed Steps
	Proposed Drain (Surface Water)		
	Existing Drain (Surface Water)		
	Proposed Works Chainage (m)		

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.

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Drg. No. RB\_205 Proposed Flood Defences - Plan Layout (Sheet 5 of 12)

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