

Office of Public Works
Cork City Council, Cork County Council

Arterial Drainage Acts, 1945 and 1995

River Bride (Blackpool) Certified Drainage Scheme

Exhibition Drawings

24 /11/ 2015

T.SMYTH
DIRECTOR OF ENGINEERING SERVICES

EXHIBITION COPY

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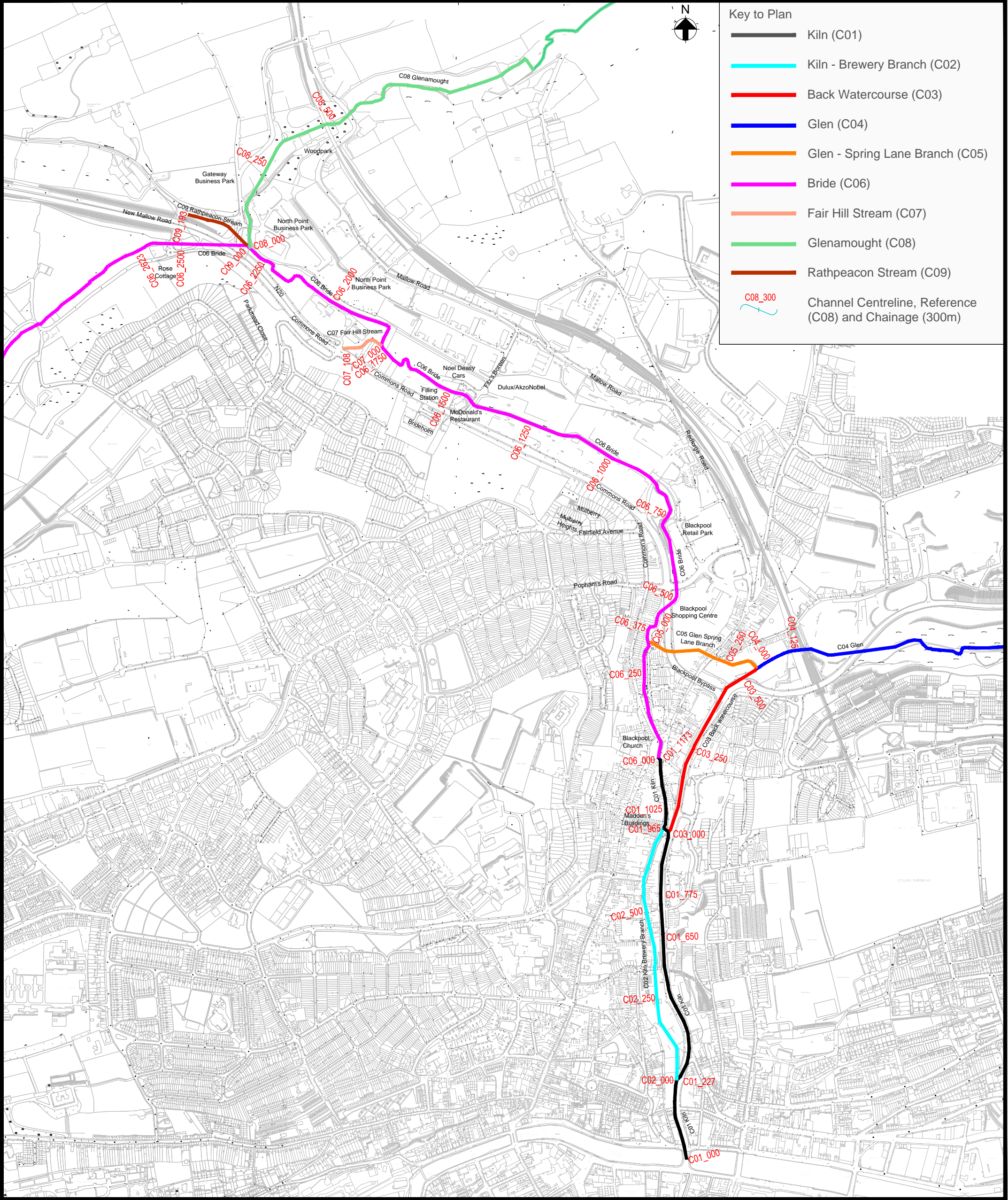
Arterial Drainage Acts, 1945 and 1995

River Bride (Blackpool) Certified Drainage Scheme

Exhibition Drawings

Drawing Number	Drawing Name
Series 1	
RB_101	Cover Sheet
RB_102	Index Sheet
RB_103	Channel Codes Drawing
RB_104	Existing Flood Extents and Proposed Flood Benefit Area (Sheet 1 of 2)
RB_105	Existing Flood Extents and Proposed Flood Benefit Area (Sheet 2 of 2)
RB_106	Proposed Flood Defence - Restrictions
Series 2	
RB_201	Proposed Flood Defences - Plan Layout (Sheet 1 of 10)
RB_202	Proposed Flood Defences - Plan Layout (Sheet 2 of 10)
RB_203	Proposed Flood Defences - Plan Layout (Sheet 3 of 10)
RB_204	Proposed Flood Defences - Plan Layout (Sheet 4 of 10)
RB_205	Proposed Flood Defences - Plan Layout (Sheet 5 of 10)
RB_206	Proposed Flood Defences - Plan Layout (Sheet 6 of 10)
RB_207	Proposed Flood Defences - Plan Layout (Sheet 7 of 10)
RB_208	Proposed Flood Defences - Plan Layout (Sheet 8 of 10)
RB_209	Proposed Flood Defences - Plan Layout (Sheet 9 of 10)
RB_210	Proposed Flood Defences - Plan Layout (Sheet 10 of 10)

Drawing Number	Drawing Name
Series 3	
RB_301	Proposed Flood Defences - Sections (Sheet 1 of 4)
RB_302	Proposed Flood Defences - Sections (Sheet 2 of 4)
RB_303	Proposed Flood Defences - Sections (Sheet 3 of 4)
RB_304	Proposed Flood Defences - Sections (Sheet 4 of 4)
Series 4	
RB_401	Proposed Flood Defence Works Finishes (Sheet 1 of 1)
Series 5	
RB_501	Proposed Access Routes and Works Area (Sheet 1 of 2)
RB_502	Proposed Access Routes and Works Area (Sheet 2 of 2)



Location Plan

- Notes:
1. Do not scale from drawing.
 2. The channels on this drawing have been assigned colours for the purpose of assigning identification labels and interference references.
 3. This drawing should be read in conjunction with all other River Bride (Blackpool) Certified Drainage Scheme Exhibition Drawings and Schedules.

Scale 1:5,000 at A1
Scale 1:10,000 at A3

Drg. No. RB_103 Channel Codes

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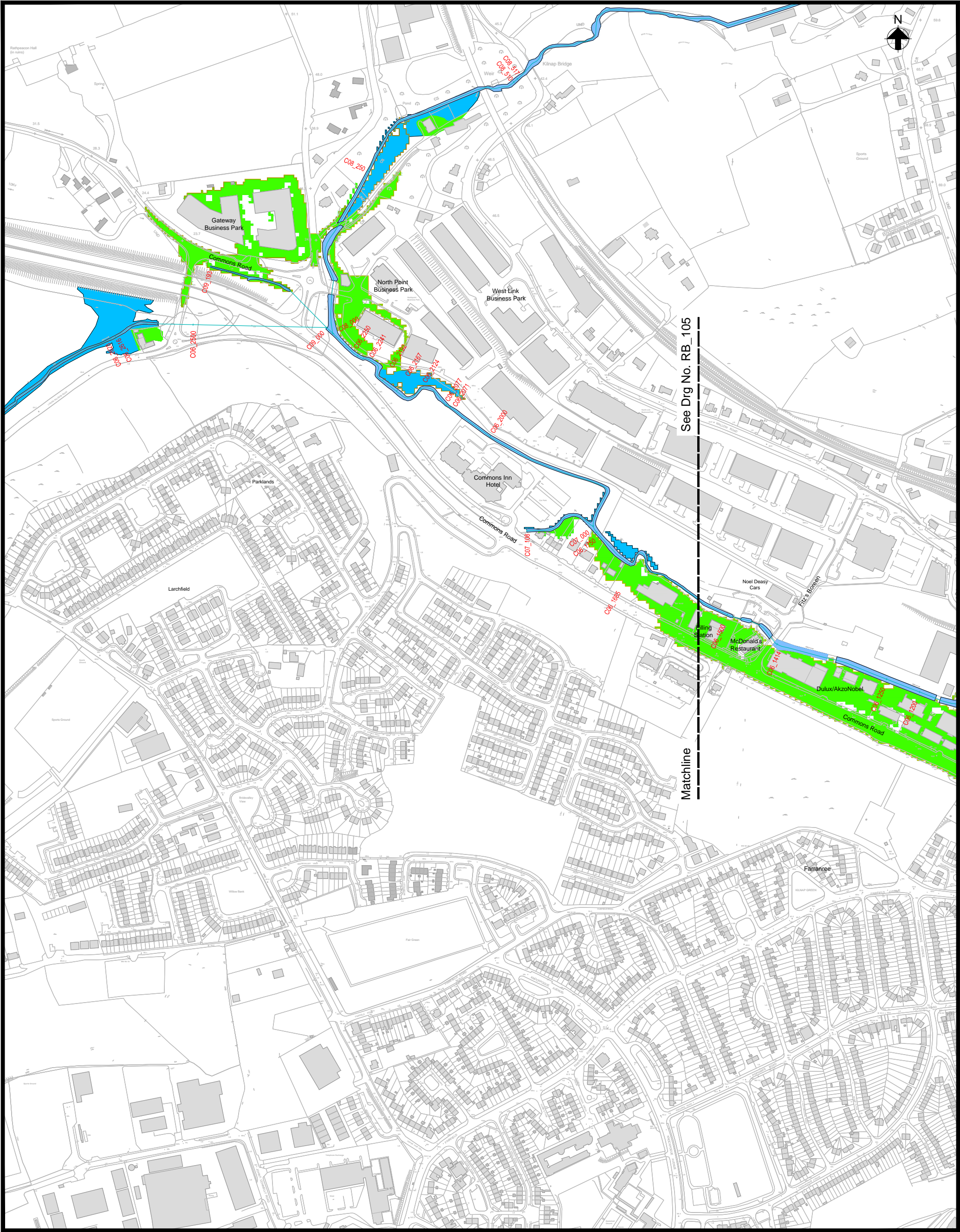
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Location Plan

Key to Plan

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

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 River Bride (Blackpool) Certified Drainage Scheme Exhibition Drawings and Schedules.



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

Drg. No. RB_104 Existing Flood Extents and Proposed Flood Benefit Area (Sheet 1 of 2)

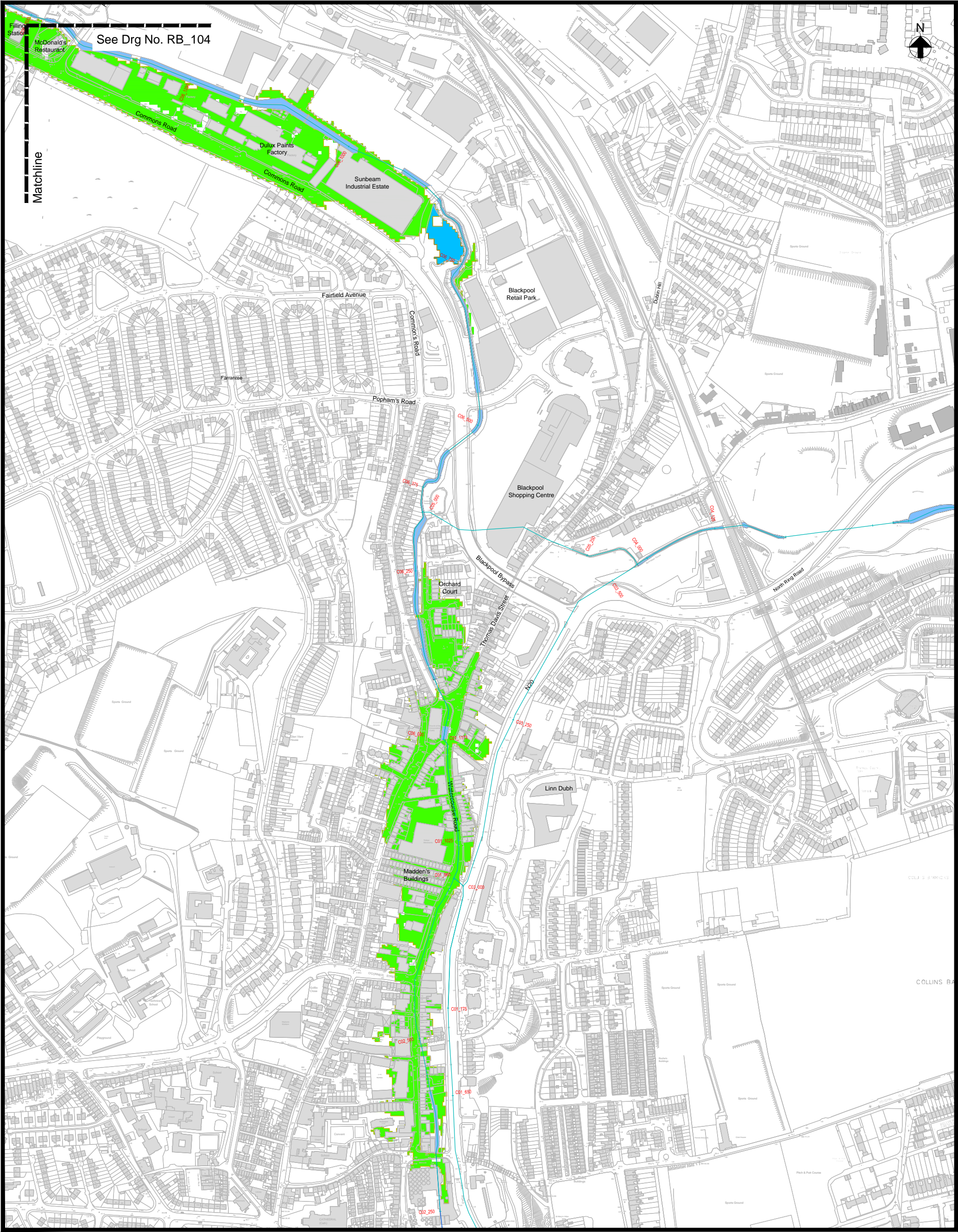
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
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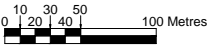
Location Plan

Key to Plan

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

Notes:

- Do not scale from drawing.
- Proposed works geometry and extents are subject to detailed design.
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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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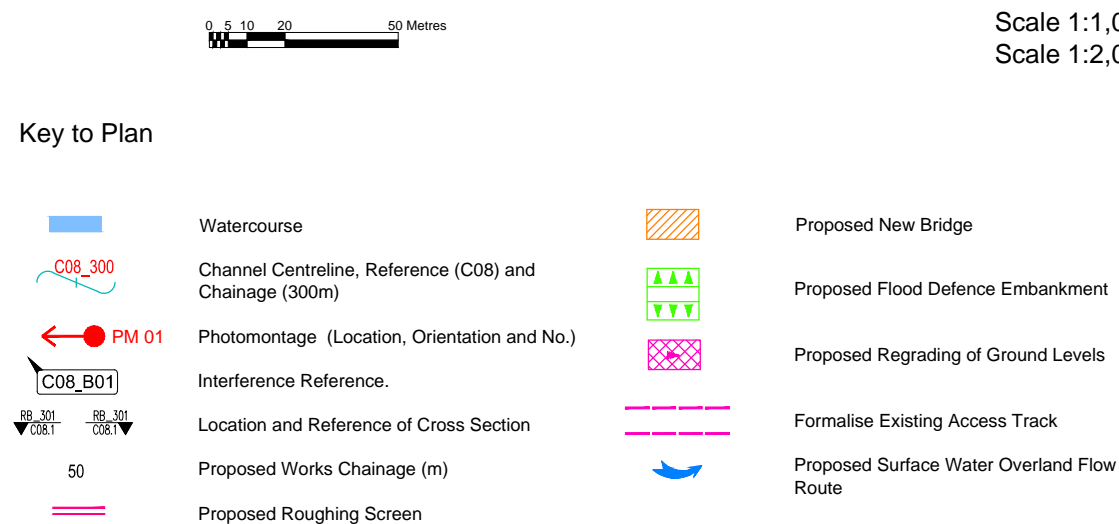
Proposed Flood Defences - Restrictions

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-authorised 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	Channel Chainage (m)	Proposed Works Chainage (m)	General Description of Proposed Works
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_E01	-	0 to 137	Proposed flood defence embankment to be constructed typically 5.40m wide and to a height of 1.10m above existing ground levels to flood defence level (varies from 27.01 to 28.44mOD). Flood defence embankment to tie into high ground at each end.
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.
C08_G01	0 to 517	-	Channel to be maintained over a distance of 517m from the confluence of the River Glenamought and River Bride (C08-000) to upstream of the proposed roughing screen (C08-517).
C08_T01	510	-	Proposed roughing screen to be installed downstream of Kilnap Bridge.
C08_R02	-	0 to 273	Proposed ramp to facilitate maintenance access to the channel and proposed roughing screen. Formalise existing track for maintenance vehicles, including constructing guard barriers where necessary.

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Scale 1:40,000 at A3



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

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