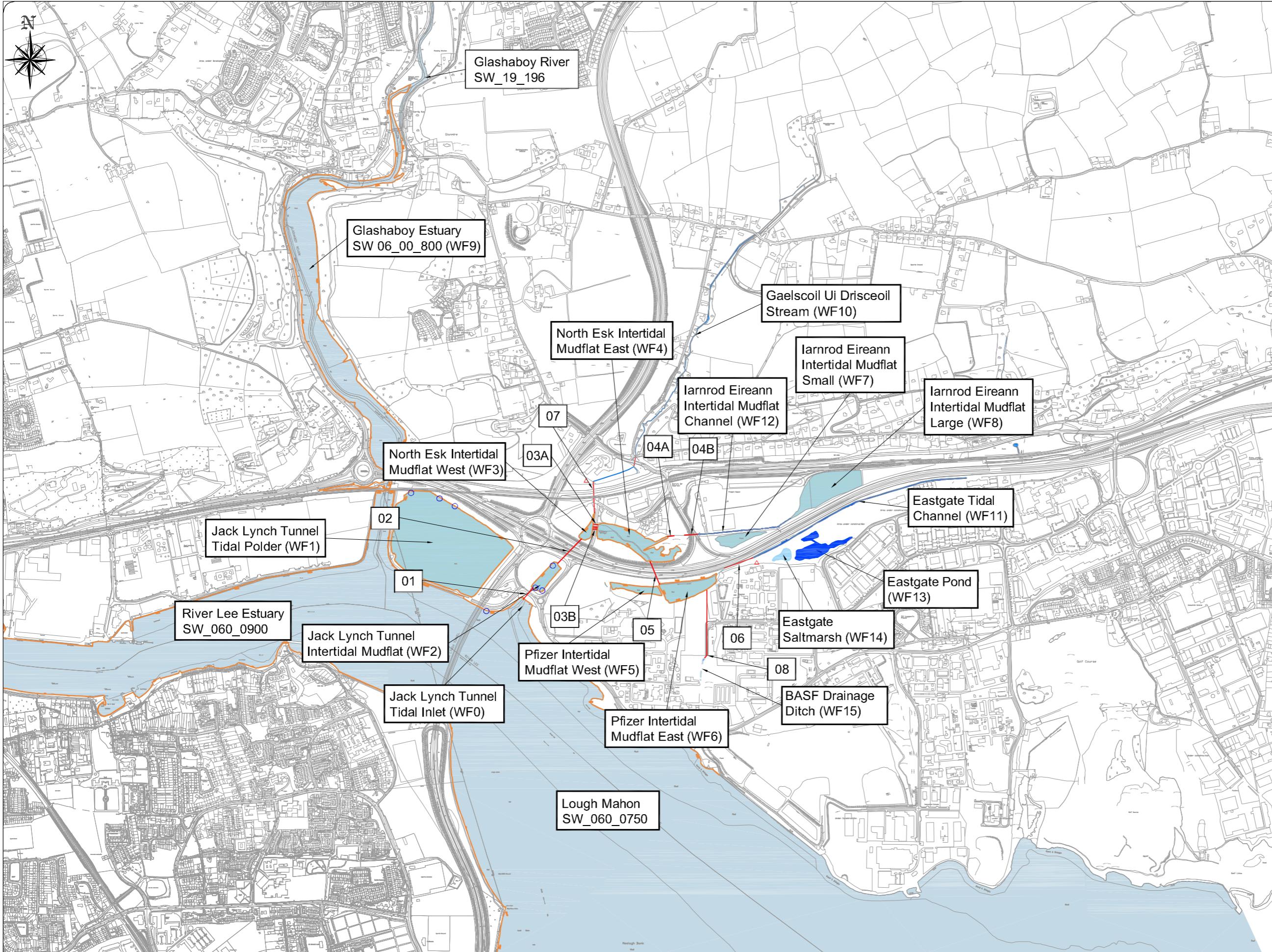


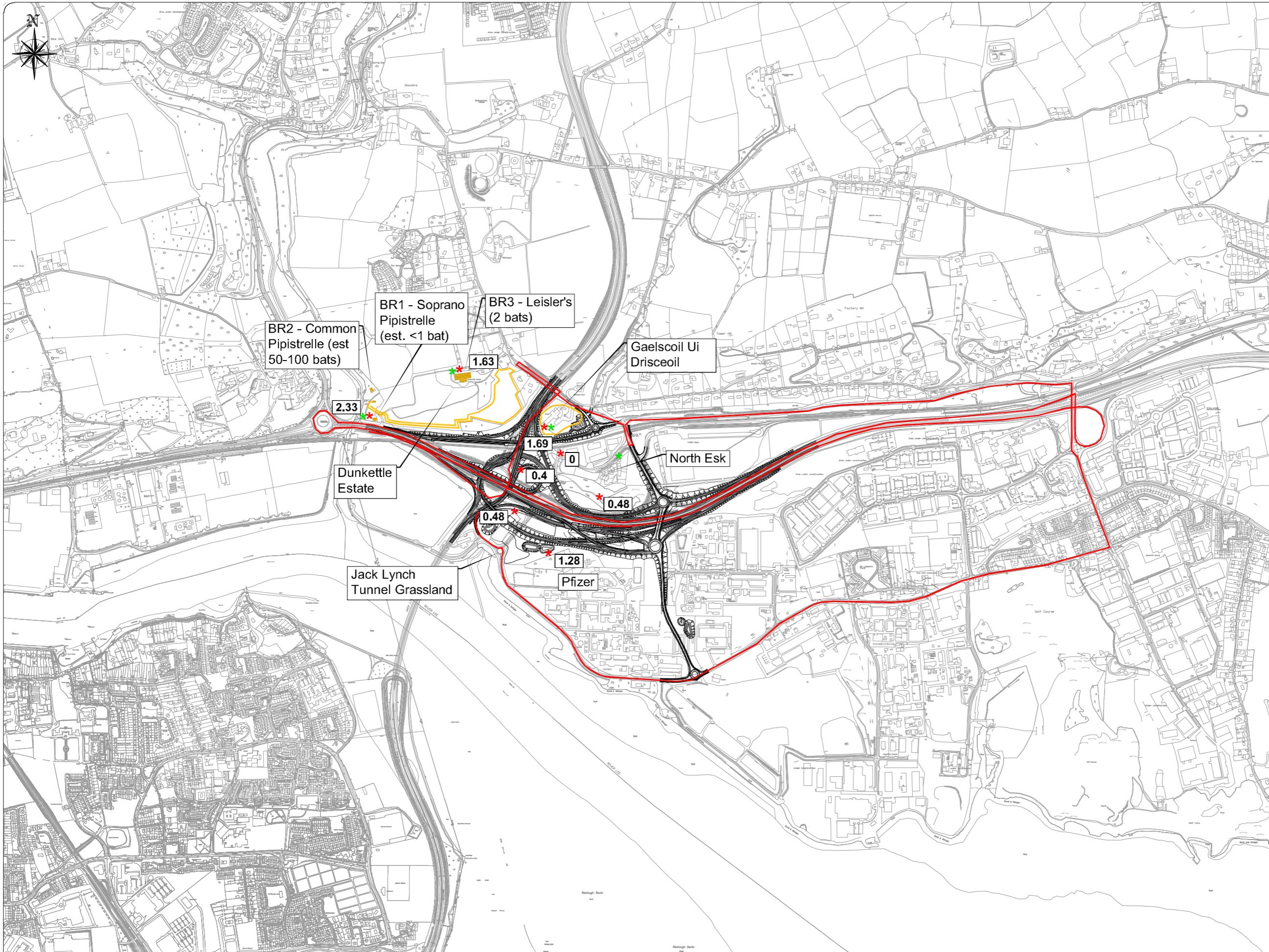
Legend:	
	Open Channel
	Culverted Channel
	High Water Mark
	Water Body Boundary
	Existing Road Drainage Outfall
	Intertidal Mudflats
	Freshwater Pond
	Estuary
	Unconfirmed Road Drainage Outfall
	Culvert Reference No.

Culvert Ref. No.	Diameter (mm)
01	1800
02	1800
03A	1800
03B	1500
04A	1200
04B	1200
05	1200
06	-
07	-
08	-



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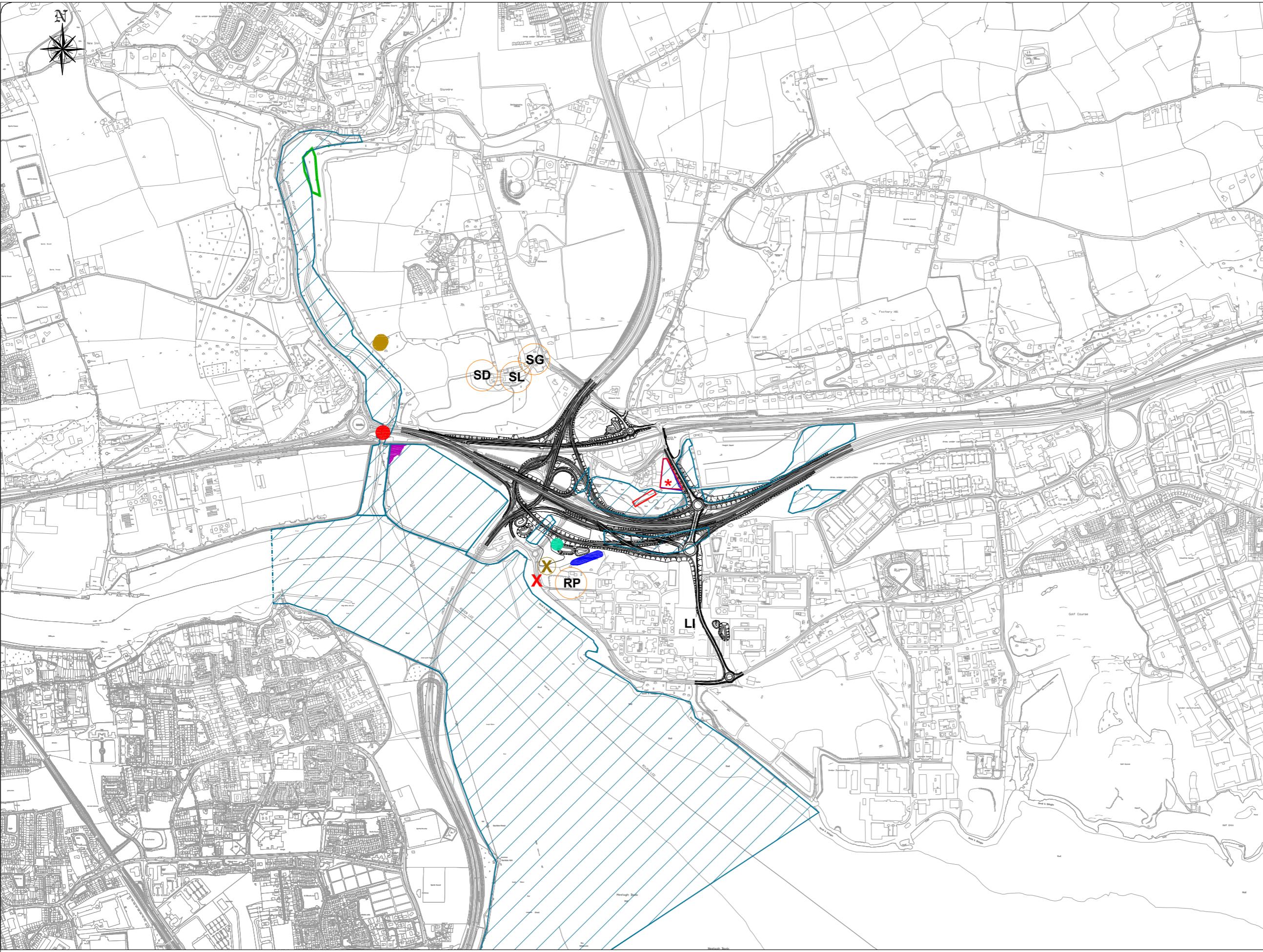
- Legend:**
- Proposed Road Development
 - 0.00 Average Bat Passes Per Hour
 - * Unmanned Anabat Survey Locations
 - * Roost Survey Locations
 - Car Survey Transect
 - Manned Survey Transect
 - Confirmed Bat Roost



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- Legend:**
-  Proposed Road Development
 -  Bird Activity
 - Breeding Bird Species Codes
 - SD** Stock Dove
 - SL** Swallow
 - SG** Starling
 - RP** Ringed Plover
 - LI** Linnet
 -  Territory of Amber Listed Bird Species of Conservation Concern
 -  Grey Heron / Little Egret Colony
 -  High Tide Roost
 -  Cormorant Winter Roost
 -  Wintering Bird Survey Area
 -  Confirmed Mammal Activity
 -  Active Badger Sett
 -  Badger Droppings
 -  Pygmy Shrew
 -  Confirmed Otter Holt
 -  Potential Otter Holt and Nearby Otter Carcass
 -  Otter Spraint
 -  Area With Otter Prints

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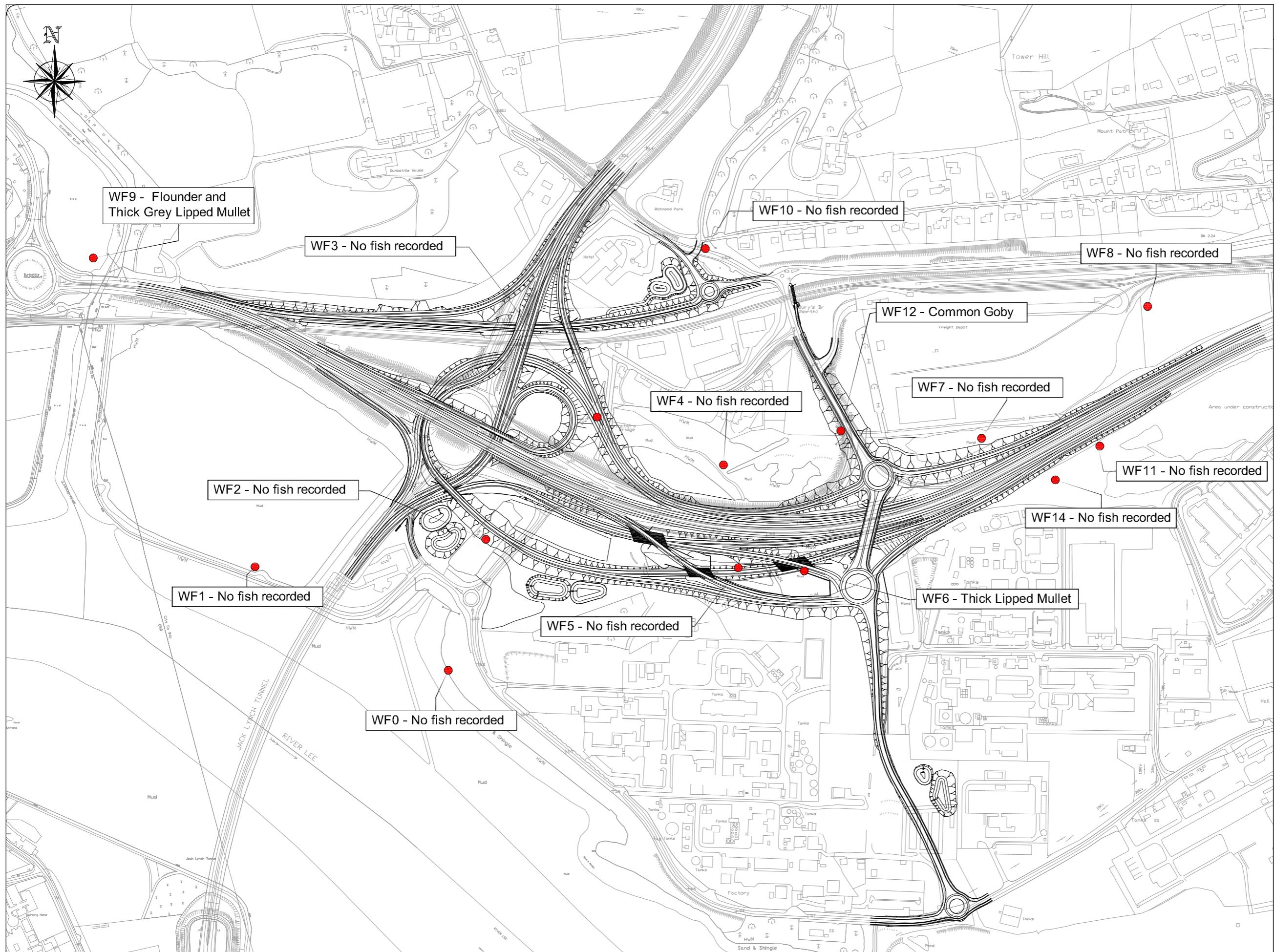


Rev	By	Date	Description
0	NJS	JULY 12	FIRST ISSUE

Project:	Dunkettle Interchange Improvement Scheme		
Component:	Environmental Impact Statement		
Title:	Fauna of Conservation Importance		
Designed:	SC	File Name:	G:\BASITE\Infrastructure\Highways\327\0260 Dunkettle Interchange Cork\file 14 - CAD MX
Drawn:	NJS	Original scales:	1:7,500 @ A1, 1:15,000 @ A3
Checked:	SK	Date:	JULY 12

Legend:

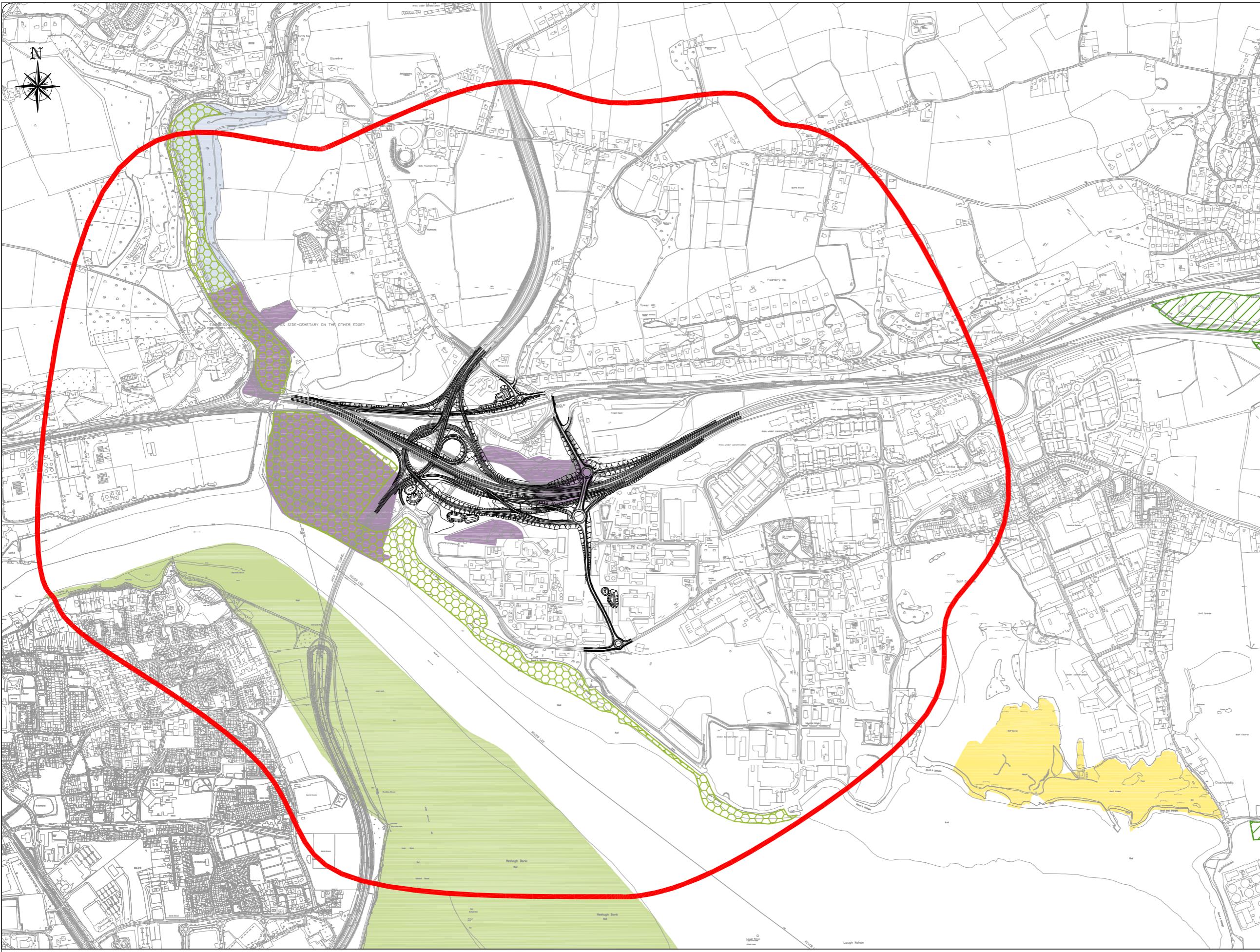
-  Proposed Road Development
-  Fish survey locations



Legend:

-  Proposed Road Development
-  1km Buffer Zone
-  Dunkettle Shore pNHA
-  Glanmire Wood pNHA
-  Rockfarm Quarry pNHA
-  Douglas River Estuary pNHA
-  Great Island Channel SAC
-  Cork Harbour SPA

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Rev	By	Date	Description
0	NJS	JULY 12	FIRST ISSUE

Project: Dunkettle Interchange Improvement Scheme			
Component: Environmental Impact Statement			
Title: Designated Areas Within 1km			
Designed: SC	File Name: G:\\BATIE\\Infrastructure\\Highways\\32102600\\Dunkettle Interchange Conf\\File 14 - CAD MK	Drawing No.	
Drawn: NJS	Original scale: 1:7,500 @ A1, 1:15,000 @ A3		32102600/EIS/Figure 5.1.5
Checked: SK	Date: JULY 12		

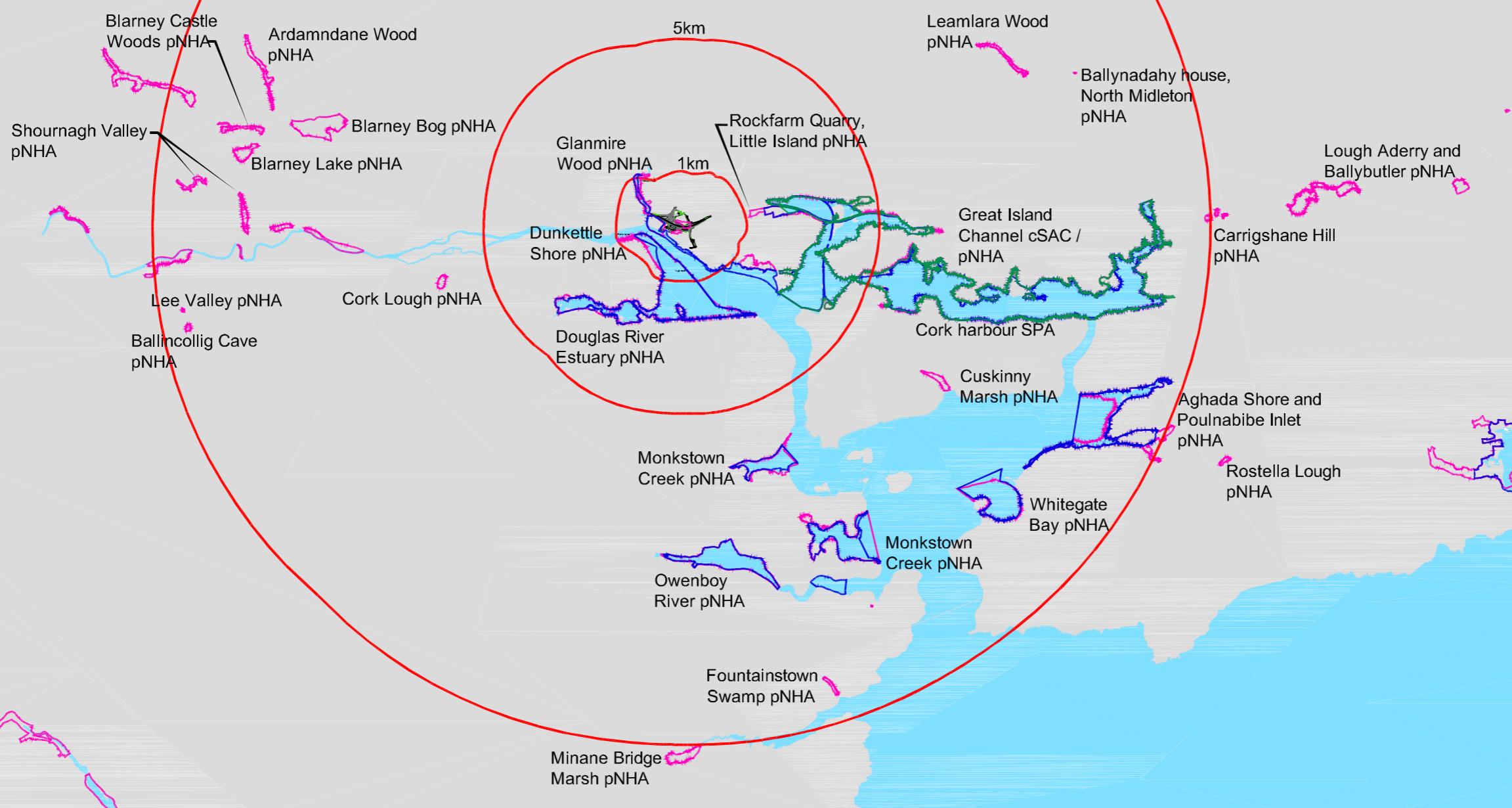


Drawing Number
32102600/EIS/Figure 5.1.6

Legend:

- Proposed Road Development Footprint
- 1km, 5km, 15km Buffer Zones
- Special Area of Conservation
- Special Protection Area
- Proposed Natural Heritage Areas

Note:
There are no Natural Heritage Areas within 15km of the development footprint

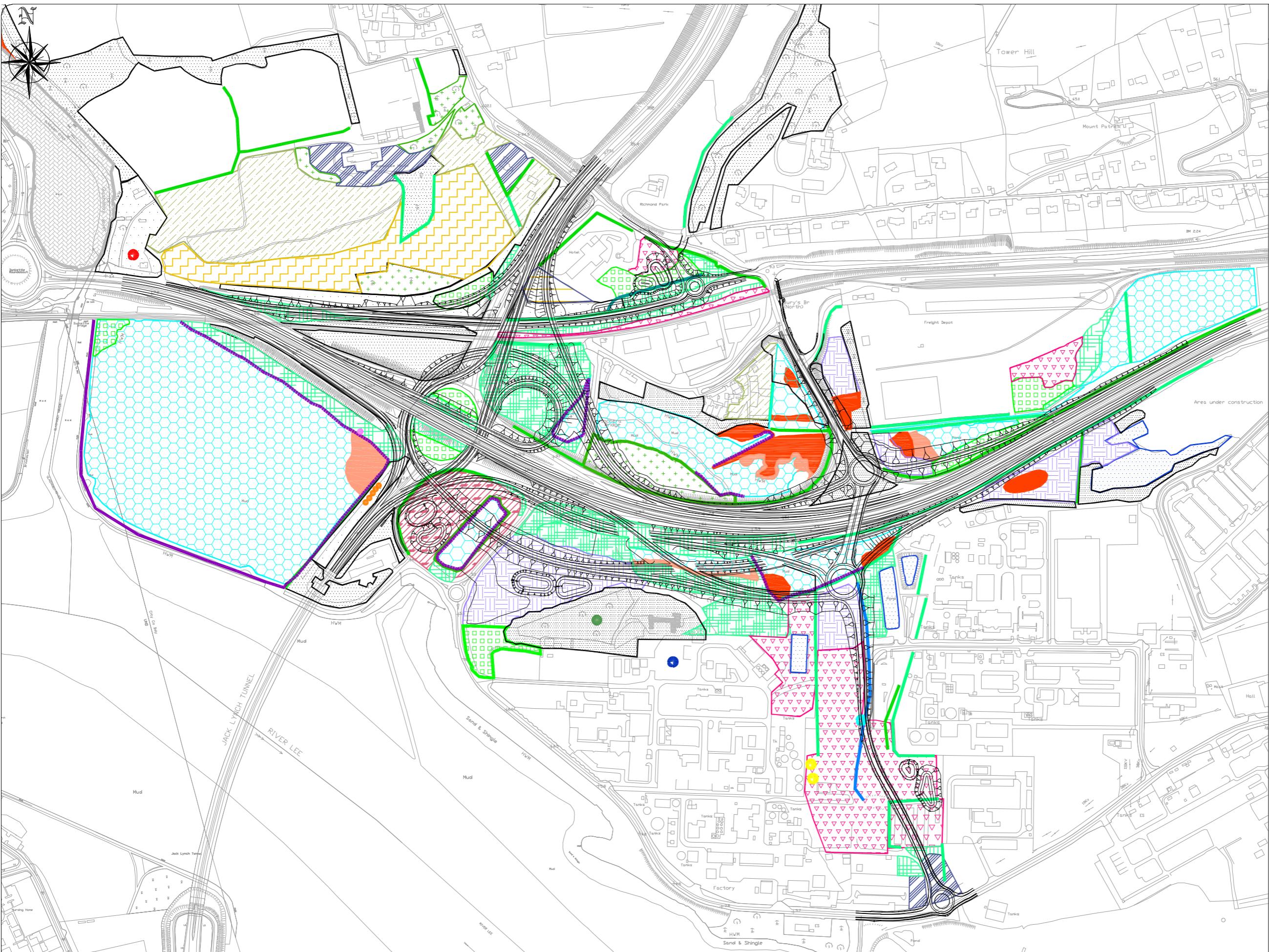


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Legend:

-  Proposed Road Development
-  Sea Walls - (CC1)
-  Lower Salt Marsh - (CM1)
-  Upper Salt Marsh - (CM2)
-  Recolonising Bare Ground - (ED3)
-  Artificial Lake - (FL8)
-  Depositing Lowland Rivers (FW2)
-  Drainage Ditches - (FW4)
-  Improved Grasslands - (GA1)
-  Amenity Grasslands - (GA2)
-  Dry Calcareous and Neutral Grassland - (GS1)
-  Dry Meadows and Grassy Verges - (GS2)
-  Wet Grasslands - (GS4)
-  Mud Shores (LS4)
-  Mixed Broadleaved Woodland - (WD1)
-  Mixed Broadleaved / Conifer Woodland - (WD2)
-  Scattered Trees & Parkland - (WD5)
-  Hedgerows - (WL1)
-  Treelines - (WL2)
-  Scrub - (WS1)
-  Stone Walls & Other Stonework (BL1)
-  Estuaries (MW4)
-  Rare Flora Bristly Oxtongue
-  Rare Flora Sweet Briar
-  Uncommon Flora Cowslip
-  Uncommon Flora Bee Orchid
-  Uncommon Flora White Campion
-  Uncommon Flora Yellow Bartsia
-  Uncommon Flora Yew

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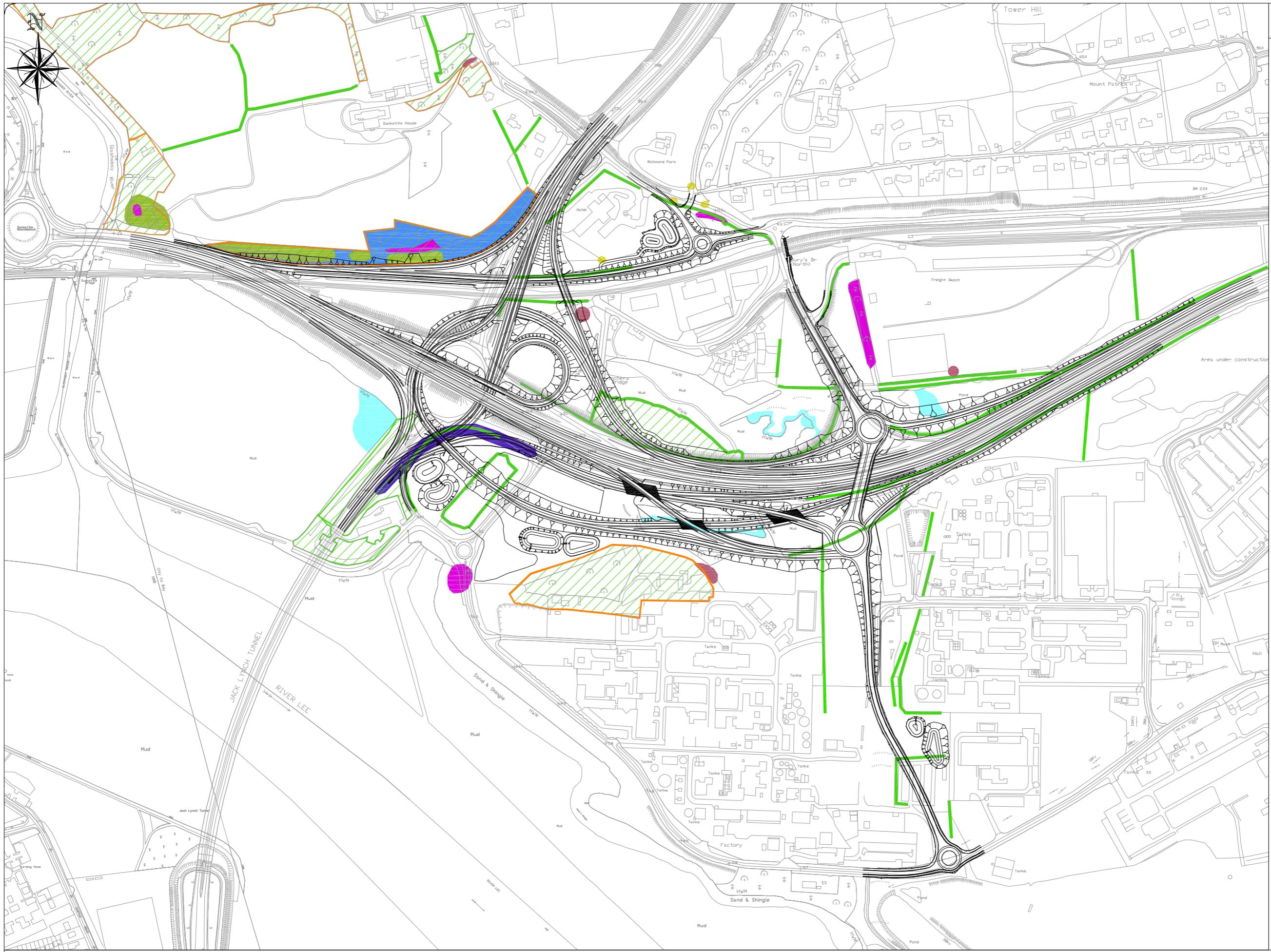
Rev	By	Date	Description
0	NJS	JULY 12	FIRST ISSUE

Dunkettle Interchange Improvement Scheme					
Project:		Environmental Impact Statement			
Component:		Habitat Map			
Title:	Design:	File Name:	Drawing No.:	Date:	Checked:
Design:	SC	GBABTEInfrastructureHighways32102600DunkettleInterchangeColRte14+CAD.MX			
Drawn:	NJS				
		Digital scale:	1:3,000 @ A1, 1:6000 @ A3		
		Date:	JULY 12		

Legend:

-  Proposed Road Development
-  Japanese Knotweed
-  Three Cornered Garlic
-  Rhododendron
-  Snowberry
-  Cord Grass
-  Spanish & Hybrid Bluebell
-  Sea Buckthorn
-  Mixed Cherry Laurel and Sycamore
-  Sycamore

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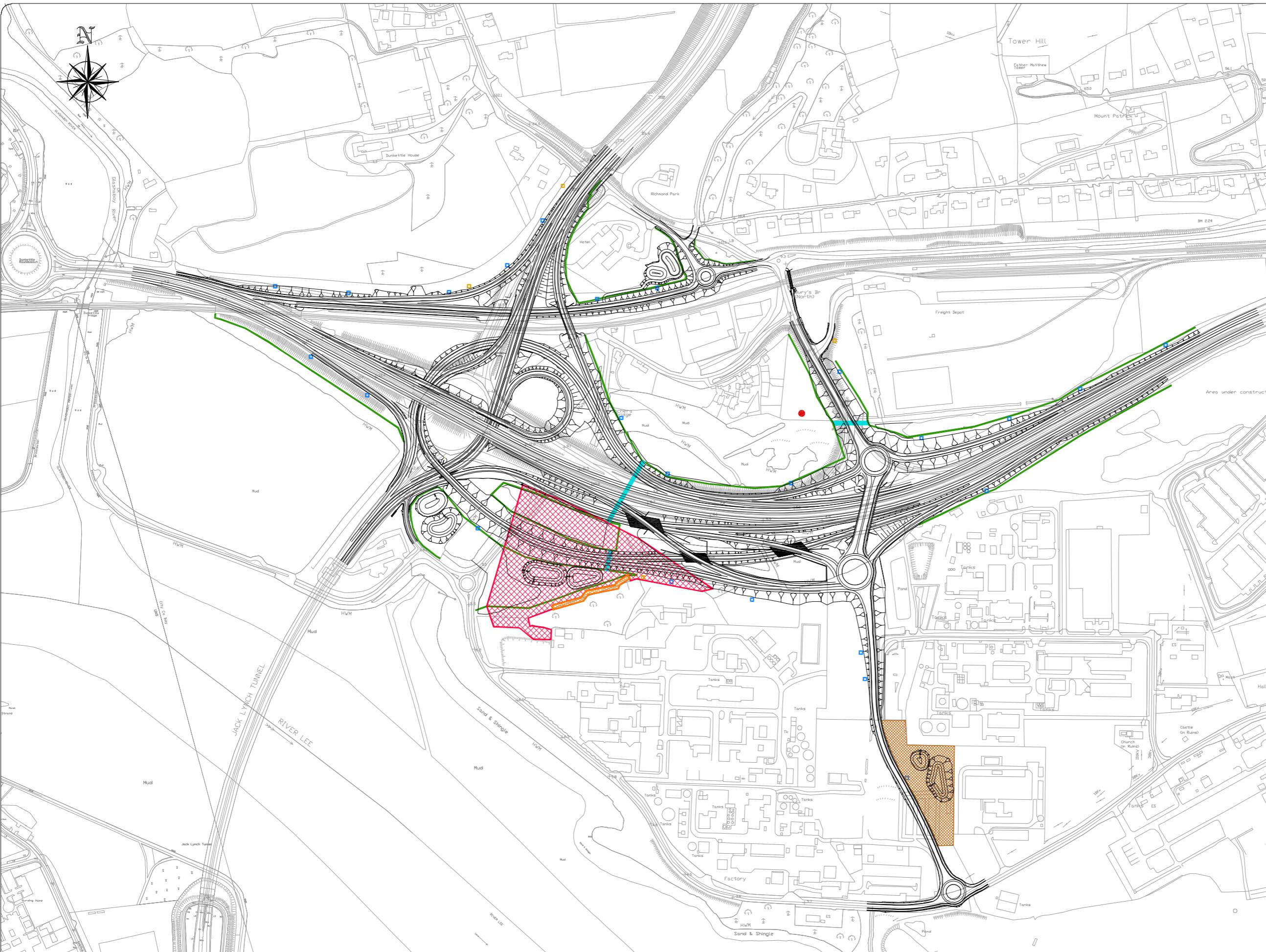
Rev	By	Date	Description
0	NJS	JULY 12	FIRST ISSUE

Project: Dunkettle Interchange Improvement Scheme			
Component: Environmental Impact Statement		Drawing No.	
Title: Invasive Species		Drawing No. 32102600/EIS/Figure 5.1.8	
Designed: SC	File Name: G3BABIIEInfrastructureHighways32102600DunkettleInterchangeConfFile14-CAD.MX		
Drawn: NJS	Original scale: 1:3,000 @ A1, 1:6,000 @ A3		
Checked: SK	Date: JULY 12		

Legend:

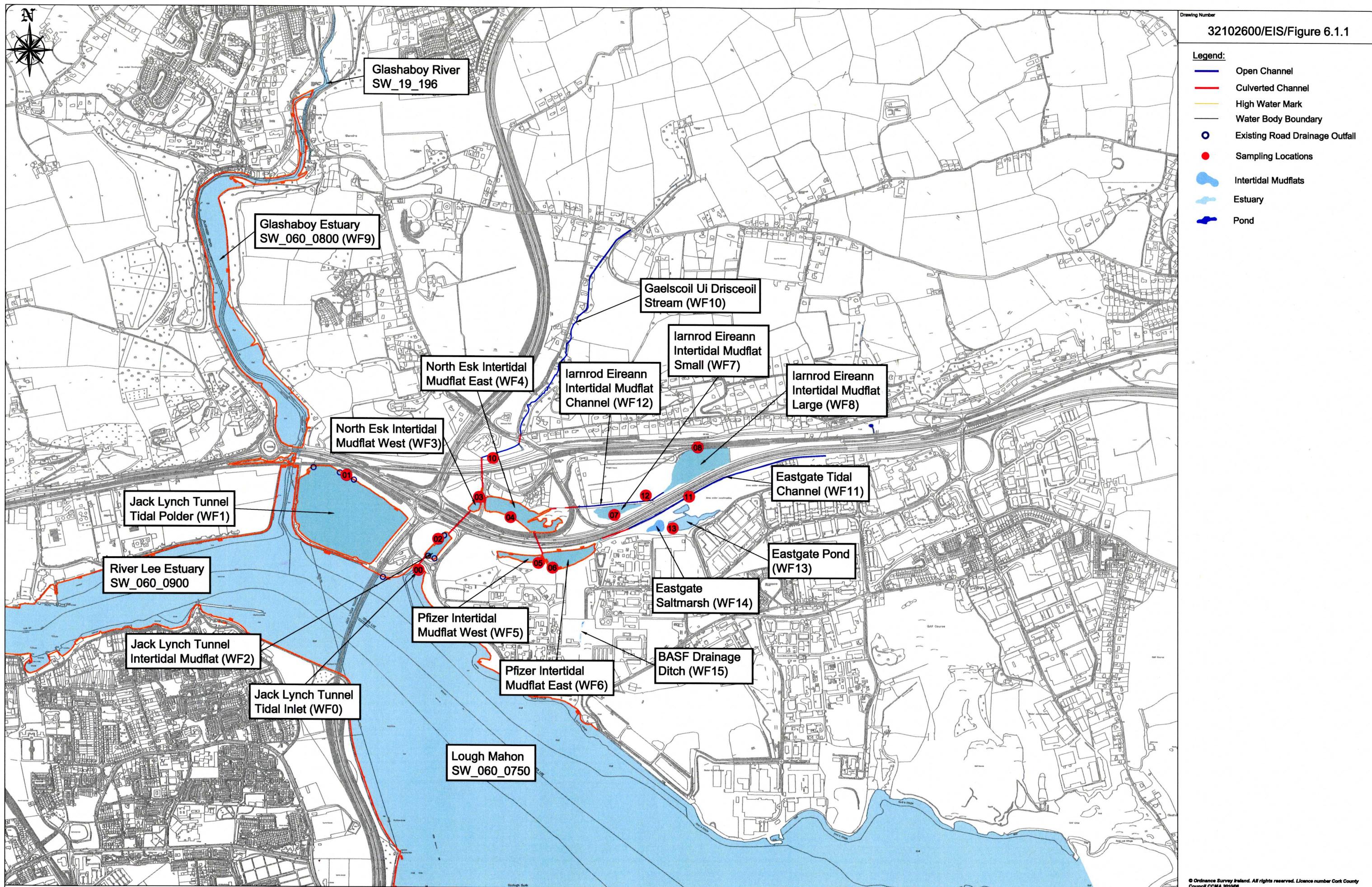
-  Proposed Road Development
-  Exclusion Zone for Little Egret/Grey Heron Colony (February to July inclusive)
-  Exclusion Zone for Bee Orchid (August to January inclusive)
-  Potential otter holt will be temporarily excluded under licence from National Parks & Wildlife Service for the duration of the construction period.
-  Breeding Birds Nest Boxes
-  Hedgehog Nest Boxes
-  Rare Bristly Oxtongue translocation area.
-  Mammal Fencing to NRA Specifications.
-  Mammal underpass to NRA Specifications.

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Rev	By	Date	Description
0	KC	JULY 12	FIRST ISSUE

Project: Dunkettle Interchange Improvement Scheme	Component: Environmental Impact Statement	Drawing No. 32102600/EIS/Figure 5.1.9
Title: Flora and Fauna Mitigation		
Designed: RF	File Name: G:\BABIE\Infrastructure\Highways\32102600 Dunkettle Interchange\G01\file 14 - CAD MX	
Draught: GMH	Digitized scales: 1:3,000 @ A1, 1:6,000 @ A3	
Checked: RF	Date: JULY 12	



Rev	By	Date	Description
0	NJS	JULY 12	FIRST ISSUE

Project:	Dunkettle Interchange Improvement Scheme		
Component:	Environmental Impact Statement		
Title:	Sampling Locations		
Designed:	SK	File Name:	G:\BASITE\Infrastructure\Highways\32102600 Dunkettle Interchange\Cont\file 14 - CAD MX
Drawn:	NJS	Original scale:	1:7,500 @ A1, 1:15,000 @ A3
Checked:	AMG	Date:	JULY 12

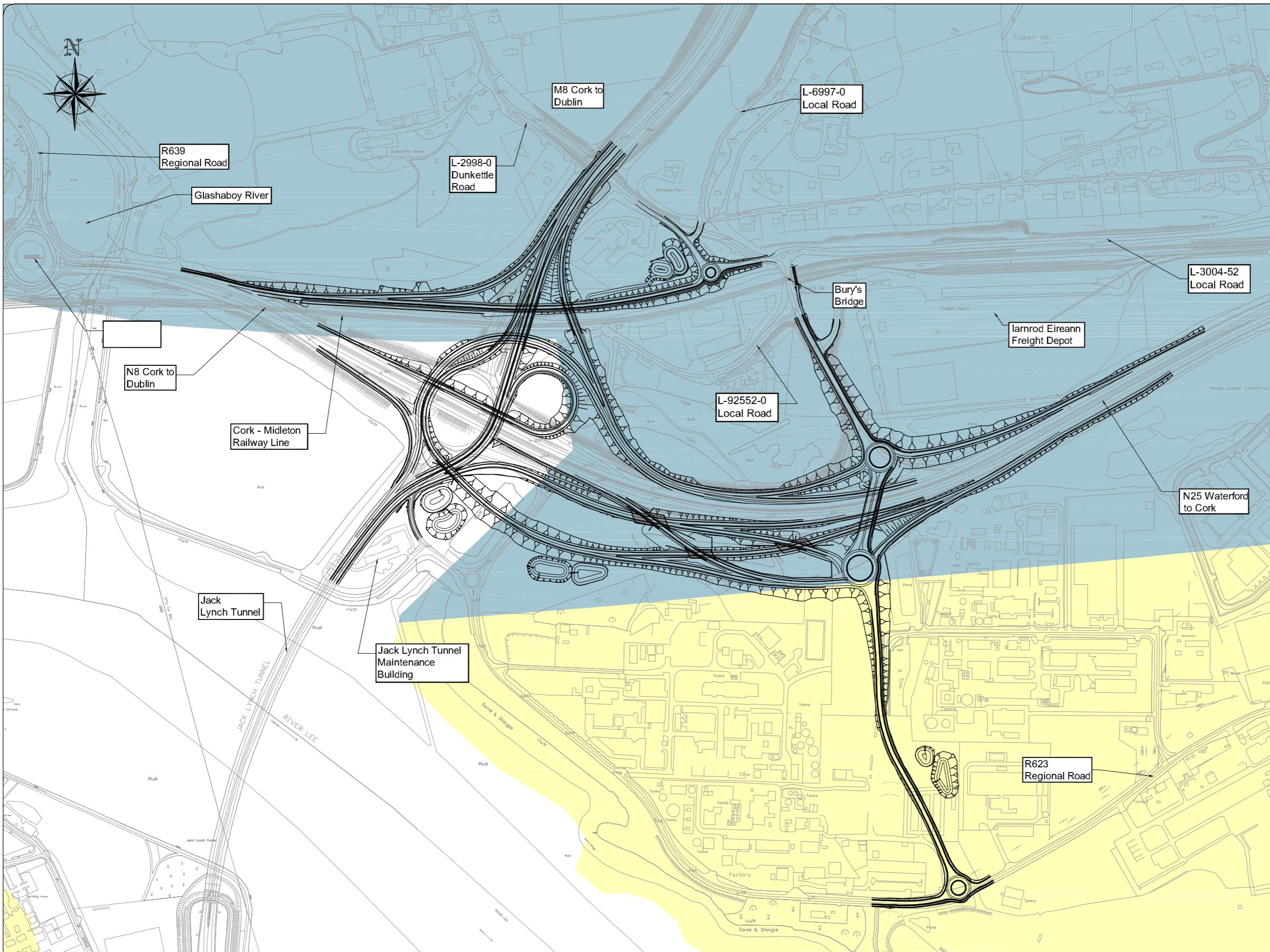
Legend:



LK - Regionally important Aquifer



LI - Locally important Aquifer Bedrock which is moderately productive only in local zones



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Rev	By	Date	Description
0	KC	JULY 12	FIRST ISSUE

Project:	Dunkettle Interchange Improvement Scheme		
Component:	Environmental Impact Statement		
Title:	Bedrock Aquifer		
Designed:	KC	File Name:	32102600_EIS_Dunkettle_Imp_Scheme_Bedrock_Aquifer.dwg
Drafter:	KC	Original scale:	1:3,000 @ A1, 1:6,000 @ A3
Checked:	AMG	Date:	JULY 12
		Drawing No:	32102600/EIS/Figure 7.1.1

Legend:



Proposed road development



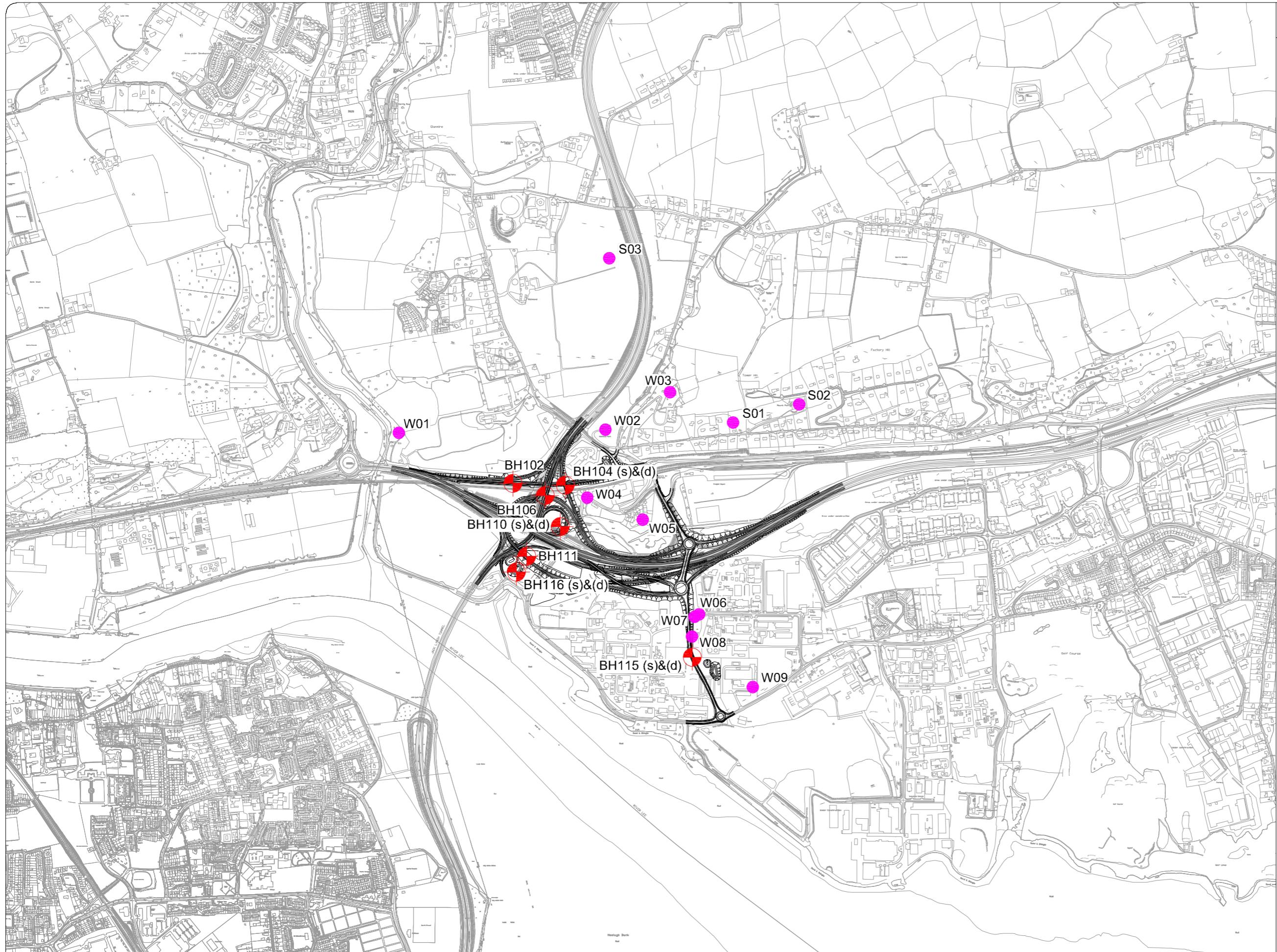
Groundwater monitoring borehole (2012 Ground Investigation)



Private water supply - well



Private water supply - spring



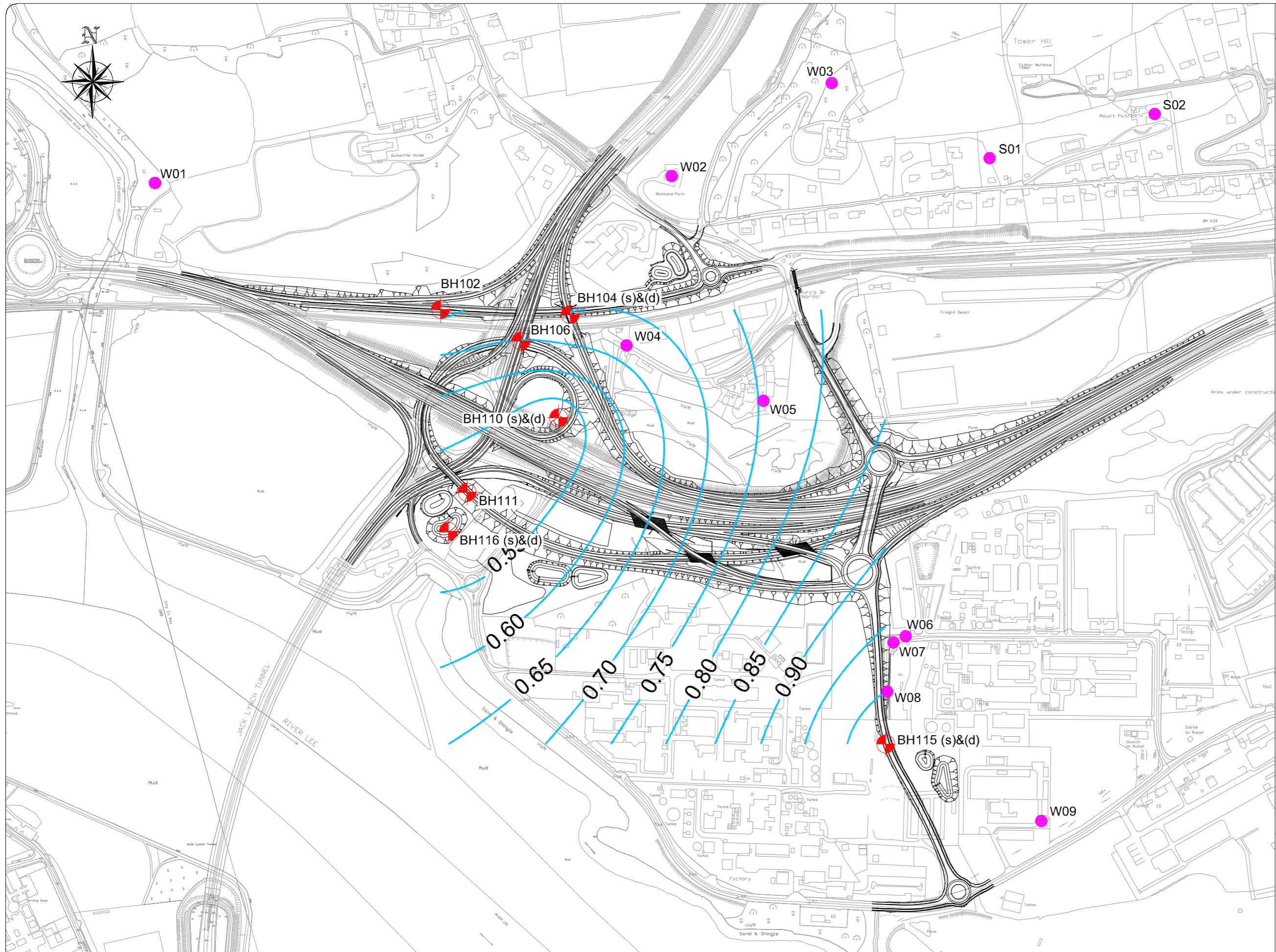
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Rev	By	Date	Description
0	KC	JULY 12	FIRST ISSUE

Project:	Dunkettle Interchange Improvement Scheme		
Component:	Environmental Impact Statement		
Title:	Location of Groundwater Monitoring Boreholes, Private Water Supply Springs and Wells		
Designed:	FF	File Name:	G-SBABTE Infrastructure Highways1321 (2000) Dunkettle Interchange Ckt Ifle 14 - CAD MX
Drafter:	GMH	Ordnance Scale:	1:7,500 @ A1; 1:3,000 @ A3
Checked:	SK	Date:	JULY 12
		Drawing No.:	32102600/EIS/Figure 7.1.2

Legend:

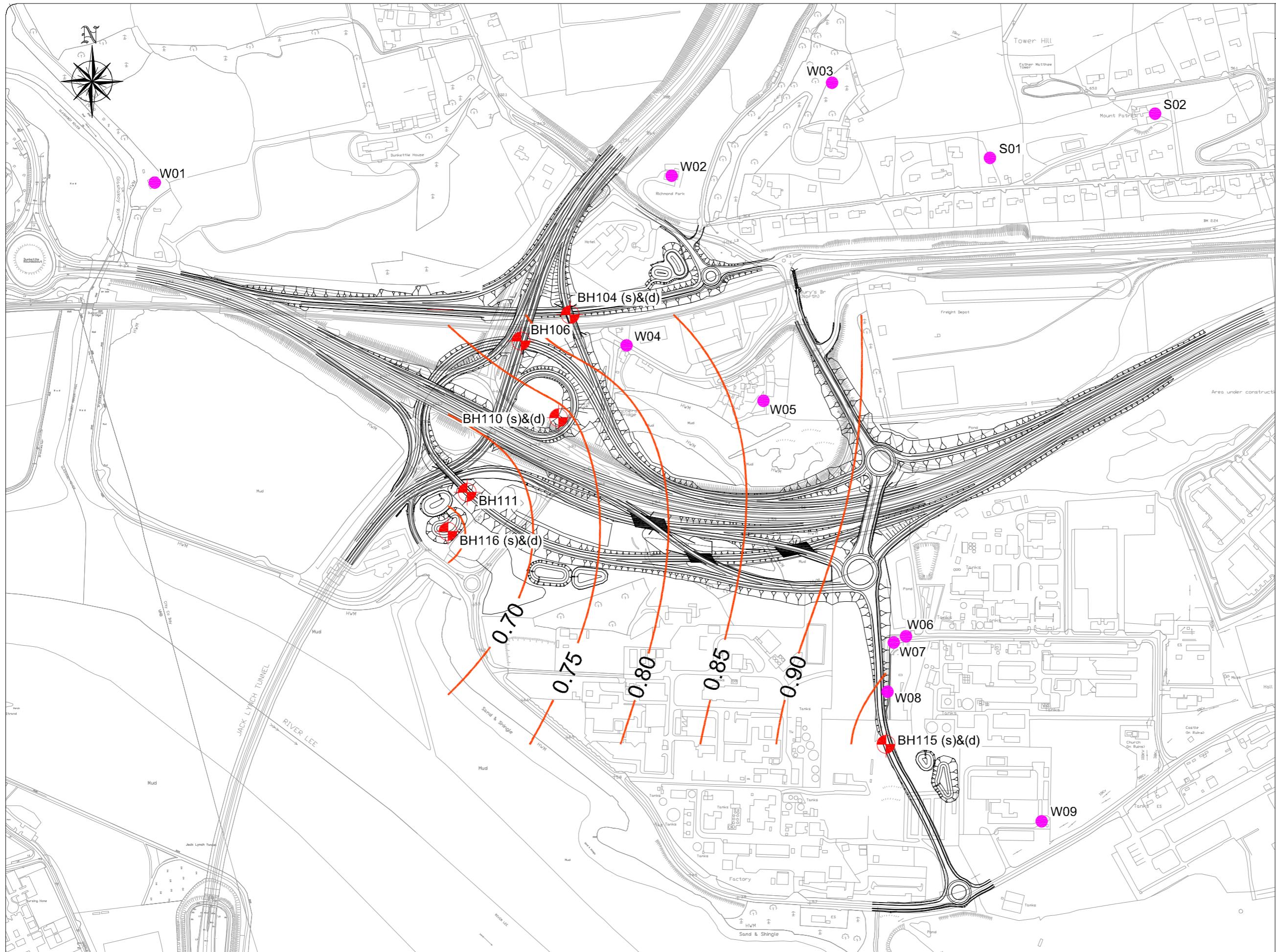
-  Proposed road development
-  Groundwater monitoring borehole (2012 Ground Investigation)
-  W01 Private water supply - well
-  S01 Private water supply - spring
-  0.0 Groundwater contour (mAOD) In glaciofluvial deposits (sand and gravel) - 11 May 2012 (manual dip at high tide)



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Legend:

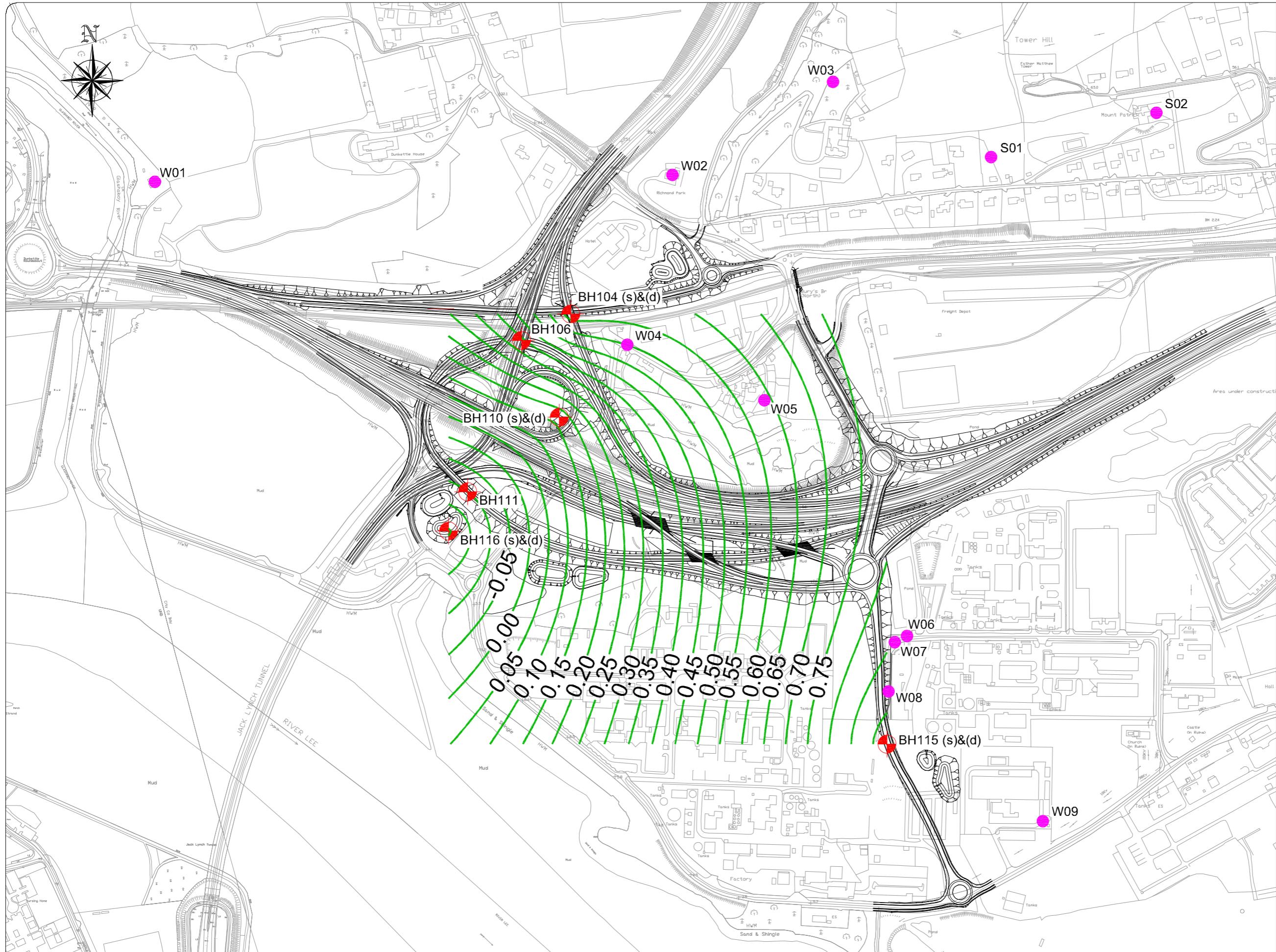
-  Proposed road development
-  Groundwater monitoring borehole (2012 Ground Investigation)
-  W01 Private water supply - well
-  S01 Private water supply - spring
-  0.0 Groundwater contour (mAOD) in glaciofluvial deposits (sand and gravel). - high tide (data Logger records)



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Legend:

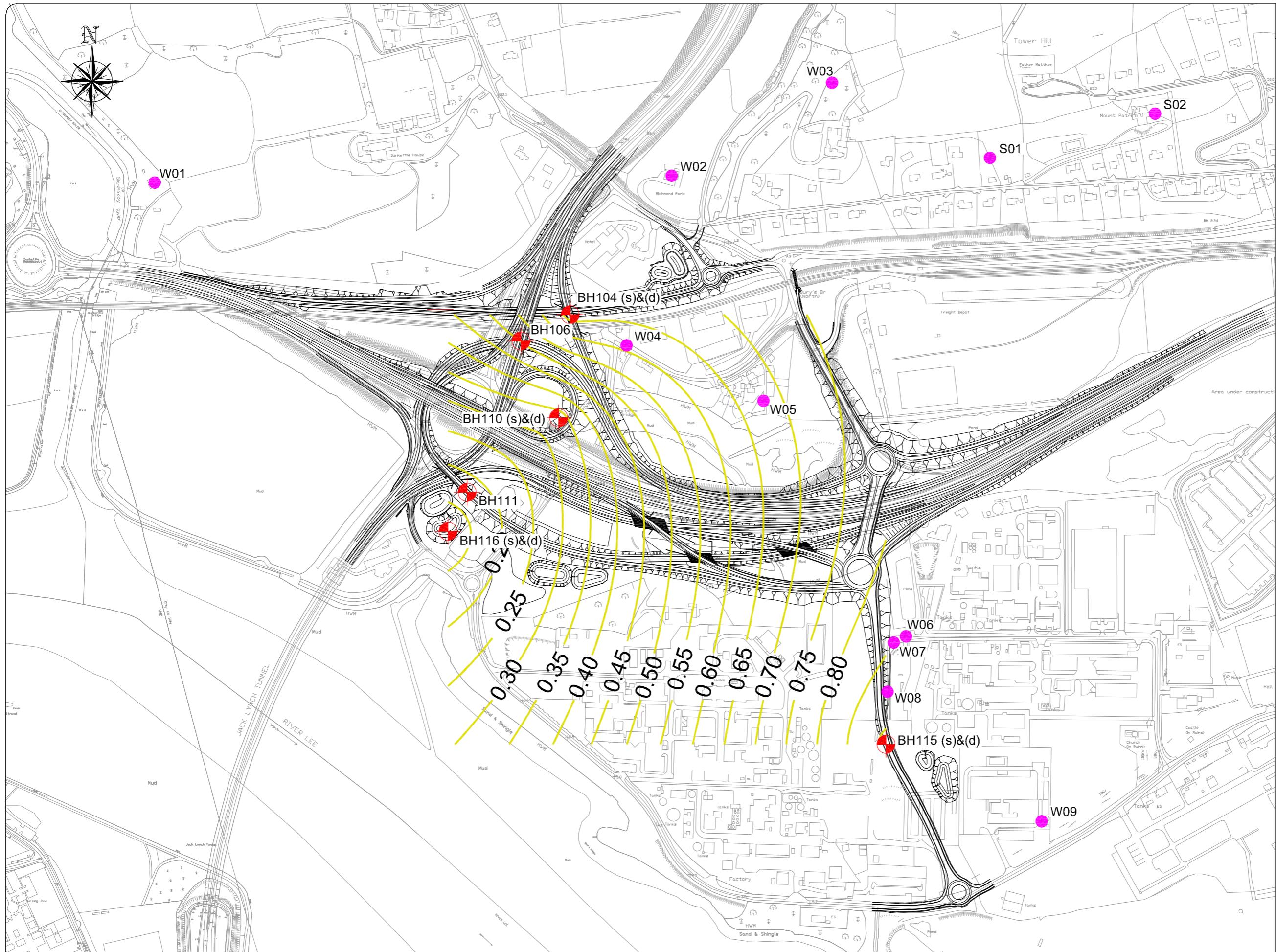
-  Proposed road development
-  Groundwater monitoring borehole (2012 Ground Investigation)
-  W01 Private water supply - well
-  S01 Private water supply - spring
-  0.0 Groundwater contour (mAOD) in glacioluvial deposits (sand and gravel) - low tide (data Logger records)



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Legend:

-  Proposed road development
-  Groundwater monitoring borehole (2012 Ground Investigation)
-  W01 Private water supply - well
-  S01 Private water supply - spring
-  0.0 Groundwater contour (mAOD) in glaciofluvial deposits (sand and gravel) - average tide (data logger records)

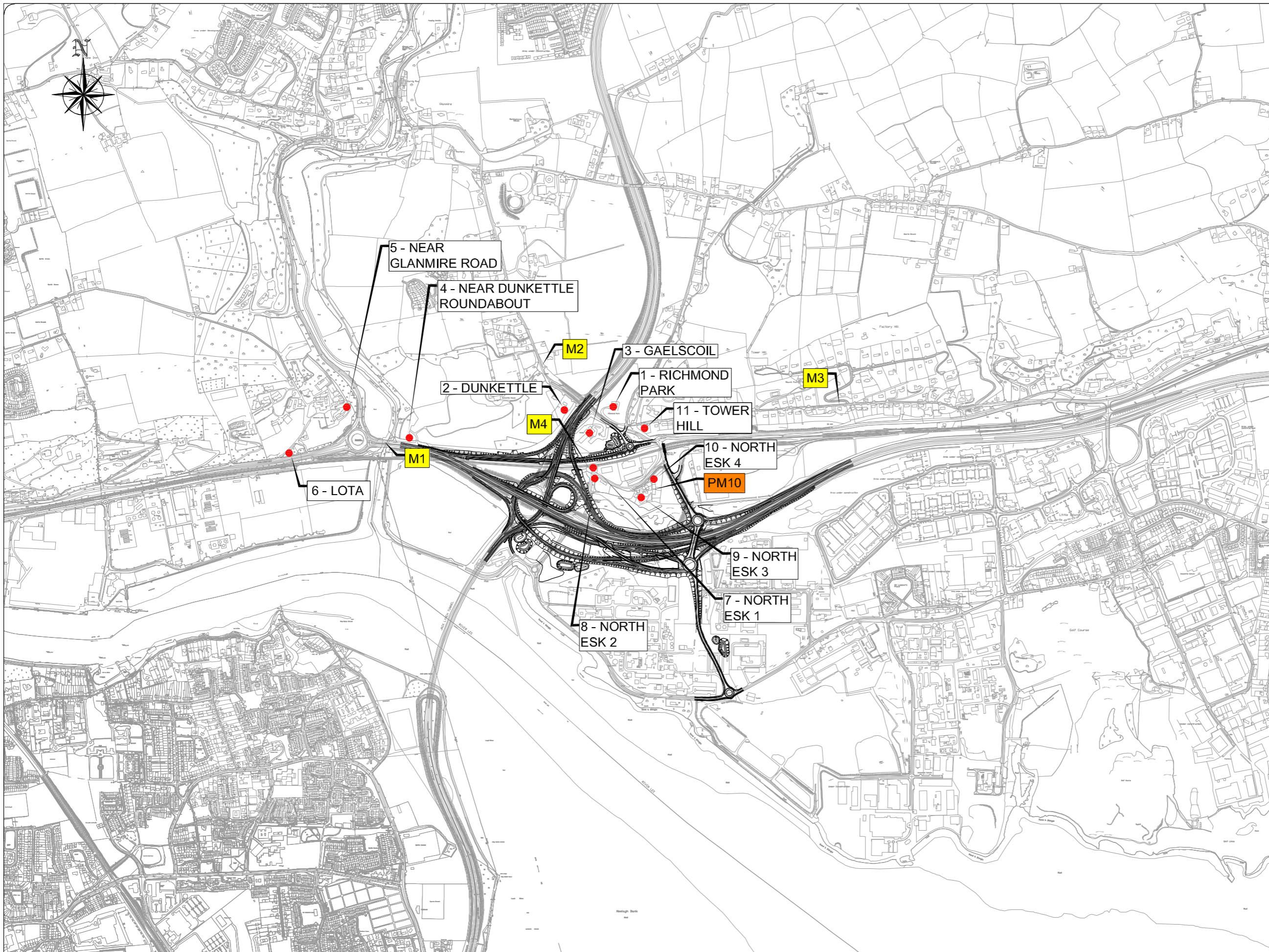


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Legend:

- Air Quality Assessment Locations
- M1 Nitrogen Dioxide Passive Diffusion Tube
- PM10 PM10 Monitor Location

Location	Location Type
M1 - N8 Dunkettle	Roadside
M2 - Wood Lane	Roadside
M3 - Tower Hill	Background
M4 - Kilcoolishal	Background

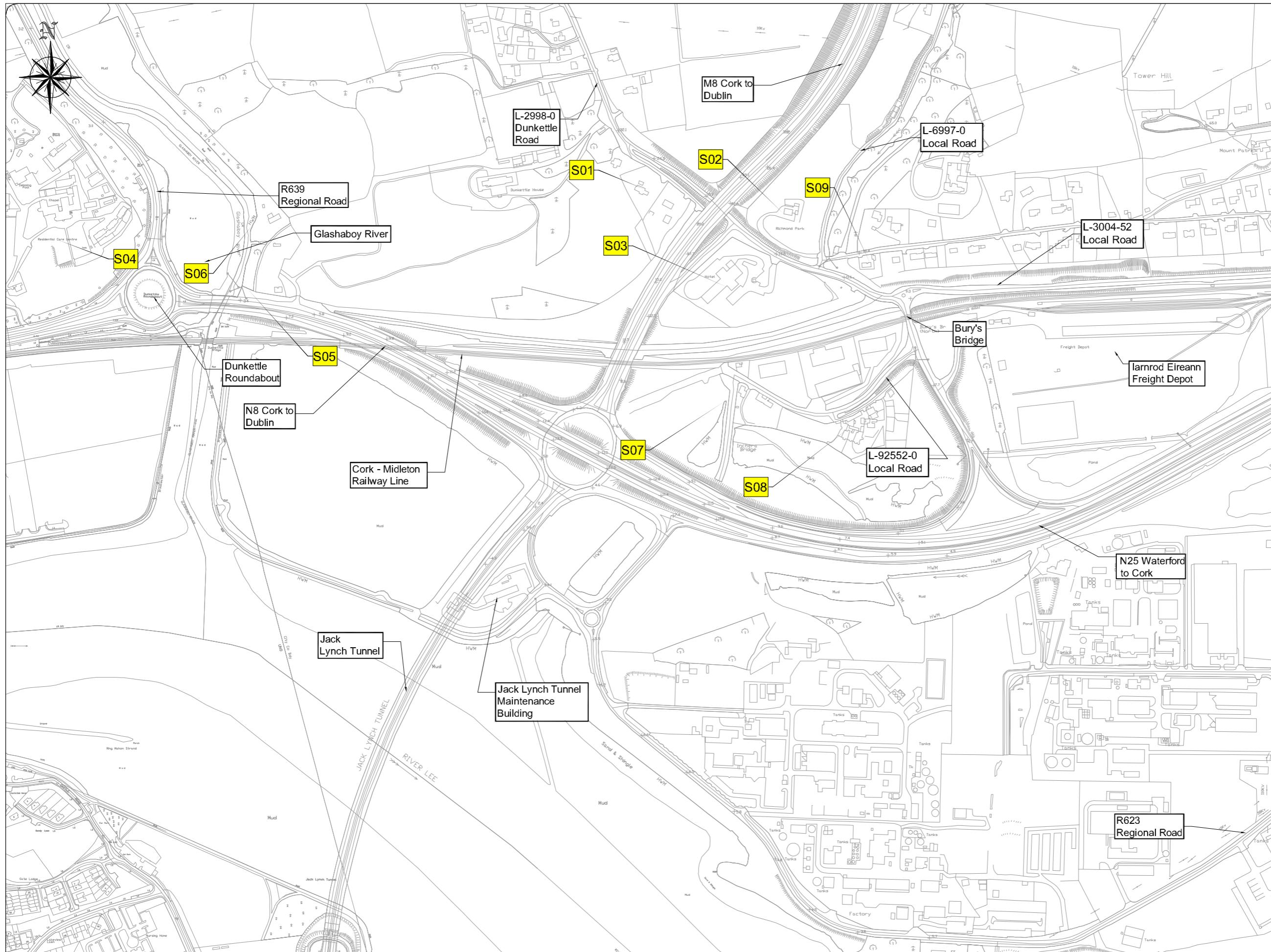


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Legend:

S01

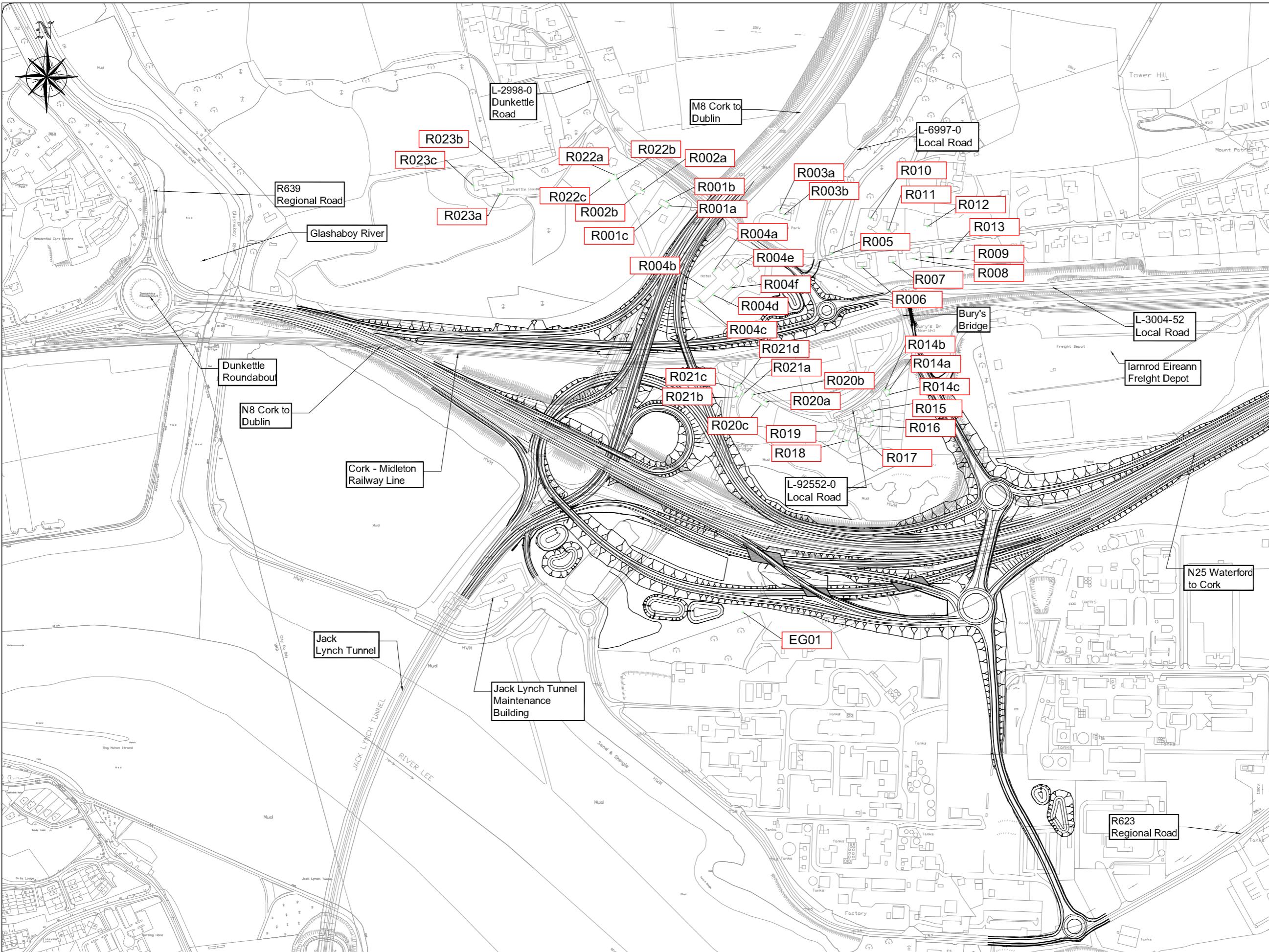
Noise Monitoring Location



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Legend:

R001a Noise Model Receiver Location



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Rev	By	Date	Description
0	KC	JULY 12	FIRST ISSUE

Project:	Dunkettle Interchange Improvement Scheme		
Component:	Environmental Impact Statement		
Title:	Noise Model Receiver Locations		
Designed:	SK	File Name:	G:\BATIE\Infrastructure\Highways\32102600 Dunkettle Interchange Cork\Fig 14 - CAD NK
Draught:	KC	Original scale:	1:3,000 @ A1 1:6,000 @ A3
Checked:	AMG	Date:	JULY 12