



SHANNON TOWN & ENVIRONS FLOOD RELIEF SCHEME

PUBLIC CONSULTATION EVENT No.3
UPDATE TO EMERGING PREFERRED OPTION



OPW Oifig na nOibreacha Poiblí
Office of Public Works



Comhairle Contae an Chláir
Clare County Council



TETRA TECH

Shannon Town & Environs Flood Relief Scheme

Public Consultation Event No.3

Update to Emerging Preferred Option

Thursday: 30th July 2026

Time: 4pm - 8pm

Treacys Oakwood Hotel, Shannon



ONLINE FEEDBACK FORM



WEBSITE LINK



OPW

Oifig na
nOibreacha Poiblí
Office of Public Works



Comhairle Contae an Chláir
Clare County Council

THE
Shannon
AIRPORT GROUP



Shannon Town & Environs Flood Relief Scheme

Project Background Shannon Town & Airport

- Historic flood risk
- Flood risk from coastal and fluvial sources
- Reliance on older embankments
- Concern with their ability to provide an appropriate standard of protection



Study Area

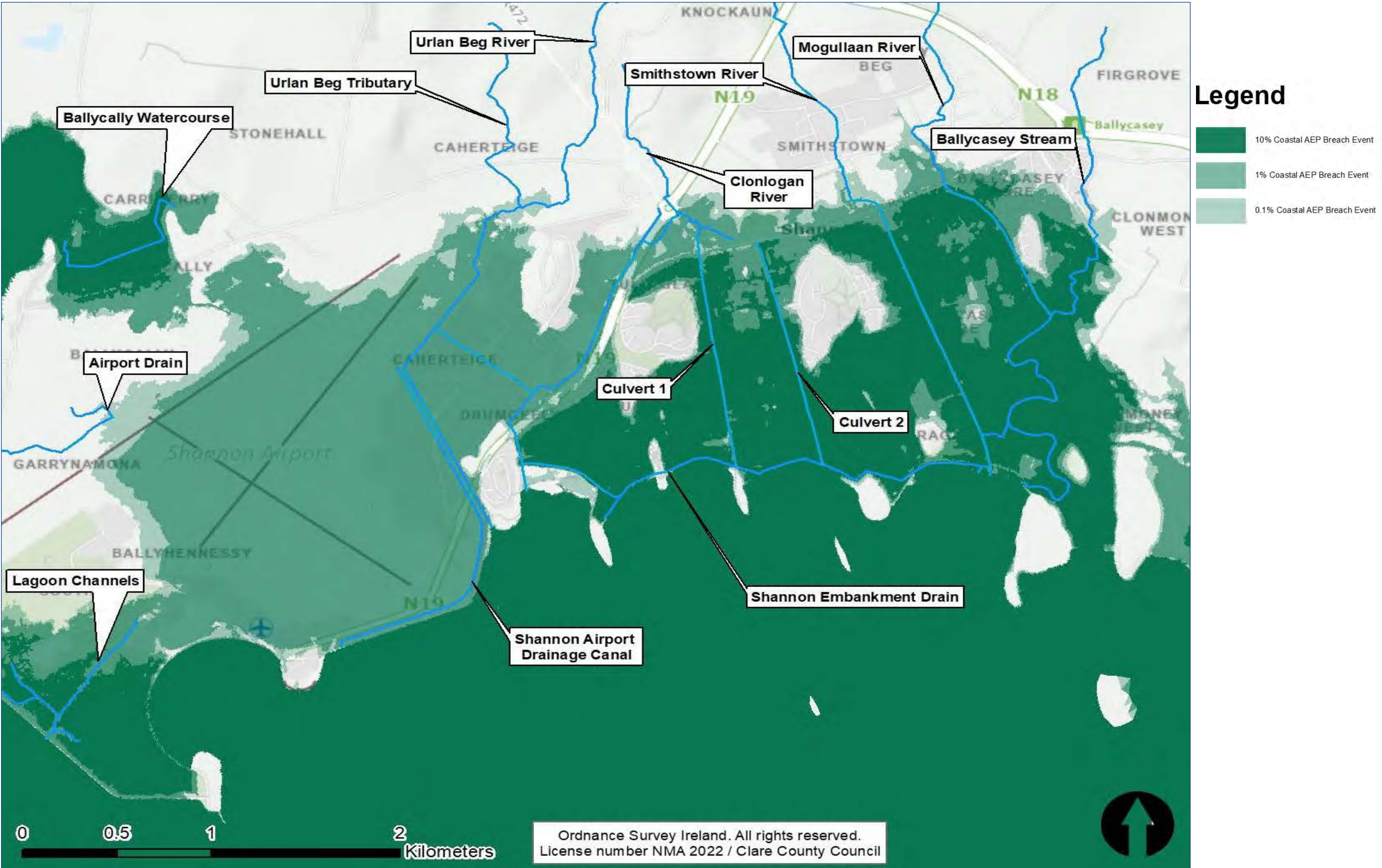
Shannon Town & Environs Flood Relief Scheme

Fluvial Flood Map



Shannon Town & Environs Flood Relief Scheme

Coastal Flood Map – Extent Assumes Breaches in Embankments



Shannon Town & Environs Flood Relief Scheme

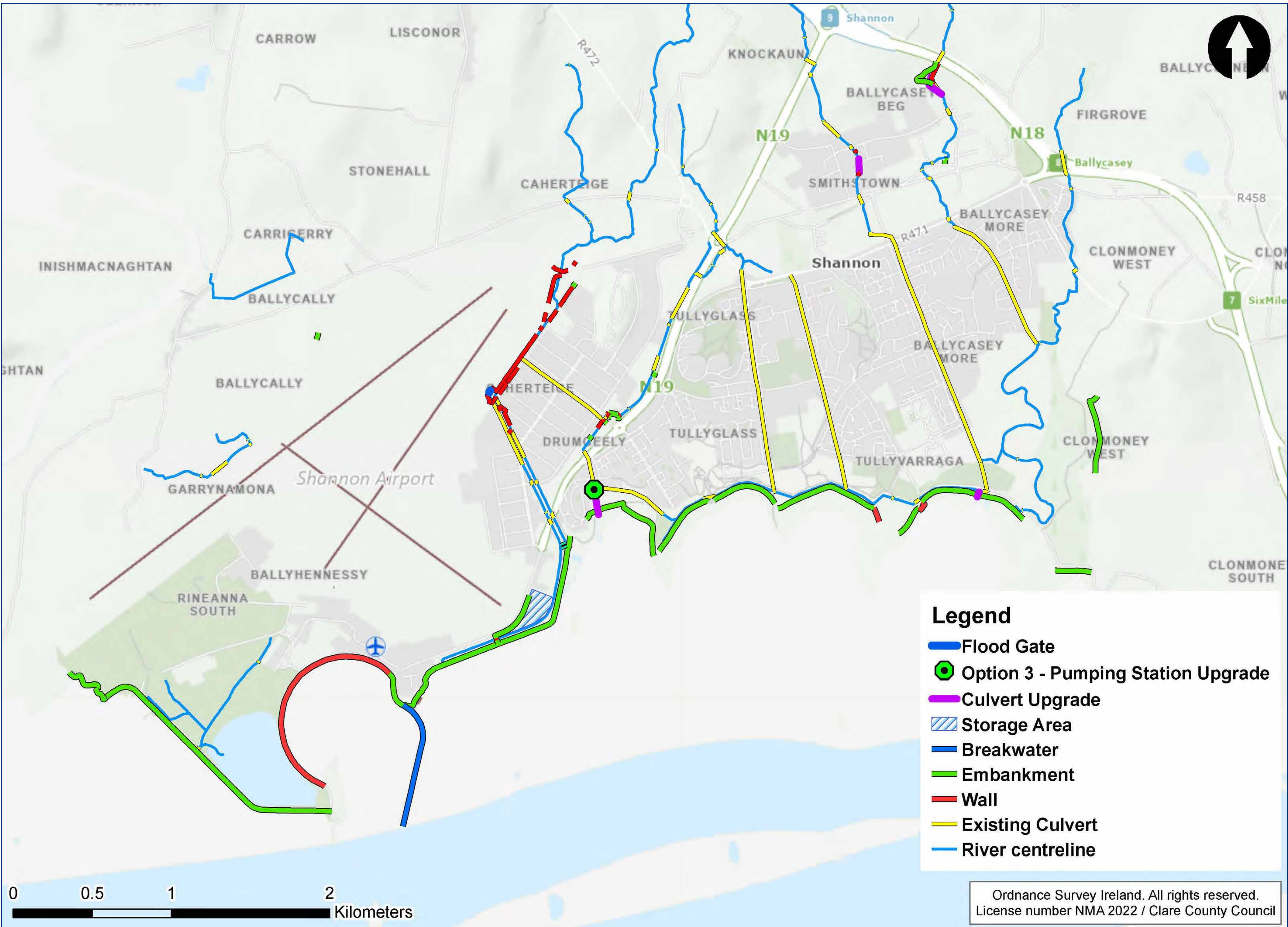
Previous Preferred Option – Summary

Option	Location	Option Elements
Option 3	Coastal Defences	• Flood walls and embankments • Restore breakwater • Replacement of existing outfalls • New outfall / sluice gate on SAWE • Recreational walkways and associated facilities
	Urlan Beg	• Flood walls and embankments • Diversion Culvert to the Airport Drainage Canal
	Clonlaghan	• Flood walls and embankments • Pumping Station Upgrade
	Embankment Back Drain	• Culvert Upgrade
	Culleen	• Flood walls • Culvert Upgrade
	Mogullaan	• Flood walls and embankments • Open Channel • Culvert Upgrade
	Pump Stations	• Pump Replacement • Outfall Upgrades

Shannon Town & Environs Flood Relief Scheme

Previous Preferred Option

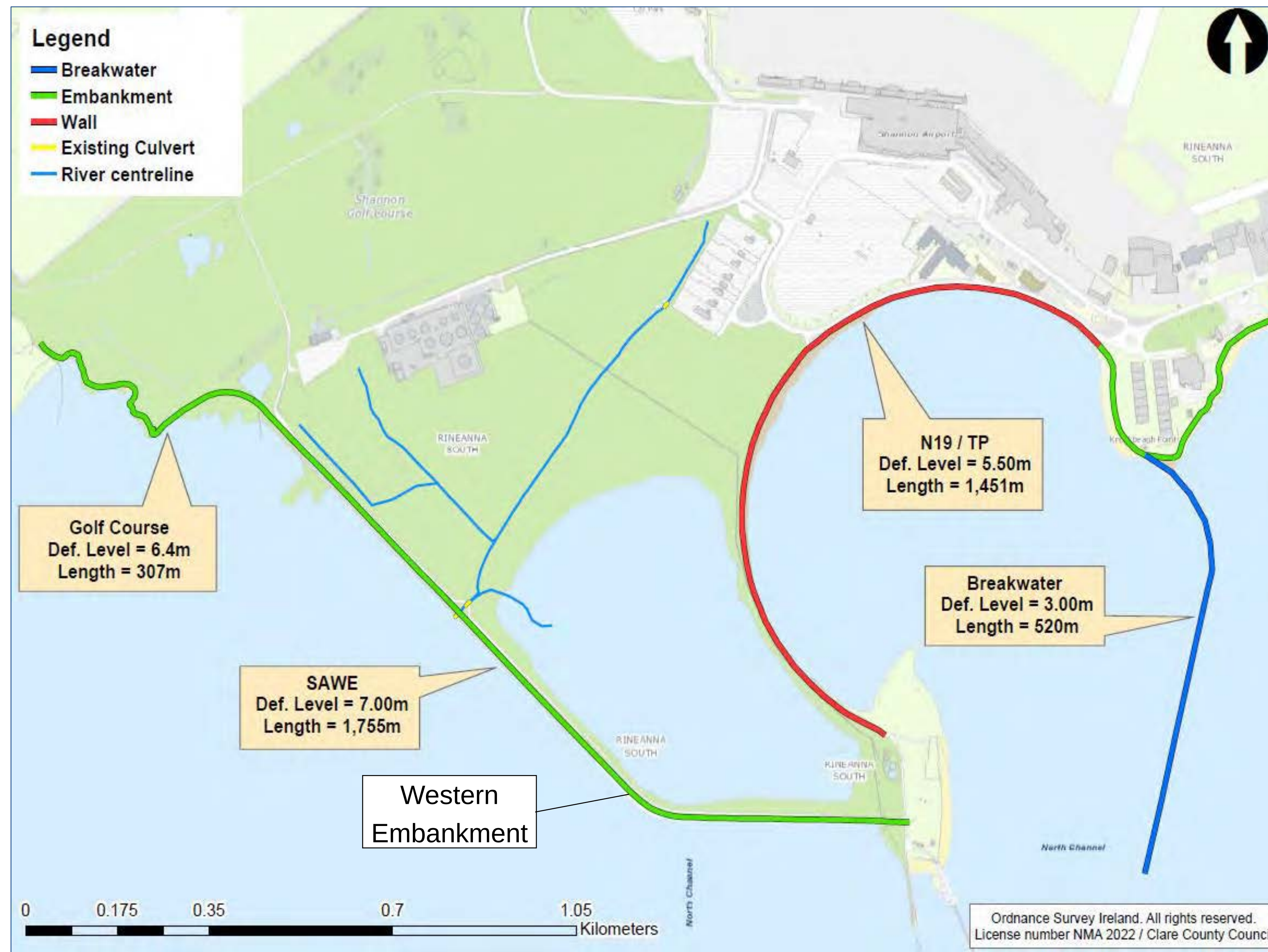
Overall Scheme



Shannon Town & Environs Flood Relief Scheme

Value Engineering Exercise

Western Embankment – Previous Preferred Option



The existing western embankment was reviewed as part of a value engineering exercise due to the following constraints affecting the initial preferred option of raising the entire length of the defence:

- Cost
- Consenting risk due to environmental sensitivities
- Buildability – Difficult to construct
- Extended programme

The following elements were reviewed as part of the value engineering exercise:

- Standard of Protection (SoP)
- Tidal Barrage
- Various Embankment Arrangements
- Realignment of Defences
 - Three alternative routes for the western embankment were identified and assessed

Shannon Town & Environs Flood Relief Scheme

Route A

Assessment of Route A

- Impacts directly on both the SAC and SPA; creating greater severance within the SAC.
- Potentially poor ground conditions through the wetland area.
- Least preferred route from an environmental aspect.
- Protects the Golf Course and Fuel Farm
- Route is technically feasible and easier to construct than the current preferred route.



Route A - Western Embankment

Shannon Town & Environs Flood Relief Scheme

Route B

Assessment of Route B

- Permanent footprint is confined to the SAC boundary but outside Annex I habitat & the Coastal Lagoon habitat and is more spatially separated from the SPA.
- Retained southern green area offers screening of impacts.
- Protects the Golf Course and Fuel Farm.
- Route is technically feasible and easier to construct than the current preferred route.



Route B - Western Embankment

Shannon Town & Environs Flood Relief Scheme

Route C

Assessment of Route C

- The extent of the footprint within the SAC is significantly less compared to the other routes. In addition, it is not within any Annex 1 habitat (coastal lagoon).
- Does not protect the Golf Course or the Fuel Farm.
- Will require the existing golf course road to be raised to the design flood level which will require an alternative temporary access.
- Route is technically feasible and easier to construct than the current preferred route.
- Significant additional works required for protection of fuel farm and golf clubhouse.



Route C - Western Embankment

Assessment of Route Options

A high-level multi-criteria analysis (MCA) was carried out for the three alternative routes and compared to the original route. This included the following criteria

- Environmental Impact
- Consultation with NPWS
- Social
- Technical / Buildability
- Programme
- Residual Consenting Risk
- Cost
- Protection to Golf Course & Fuel Farm

The MCA undertaken showed that Route B is the optimal route and is now recommended as the preferred route for the western embankment.

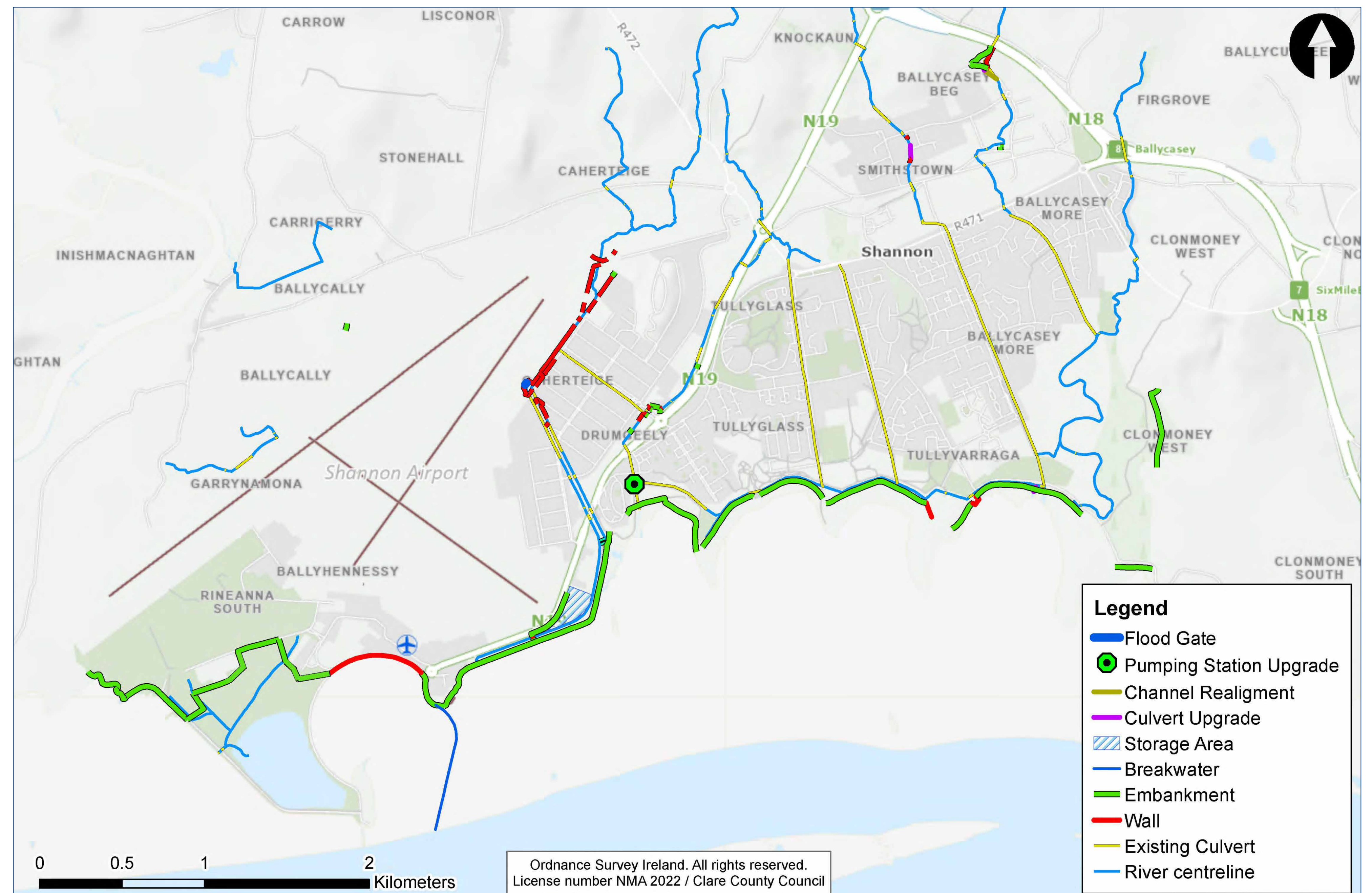
Shannon Town & Environs Flood Relief Scheme

Updated Preferred Option

Overall Scheme

Note: Scheme is subject to change based on;

- **Environmental Assessments**
- **Stakeholder Input**
- **Public Consultation**



Shannon Town & Environs Flood Relief Scheme

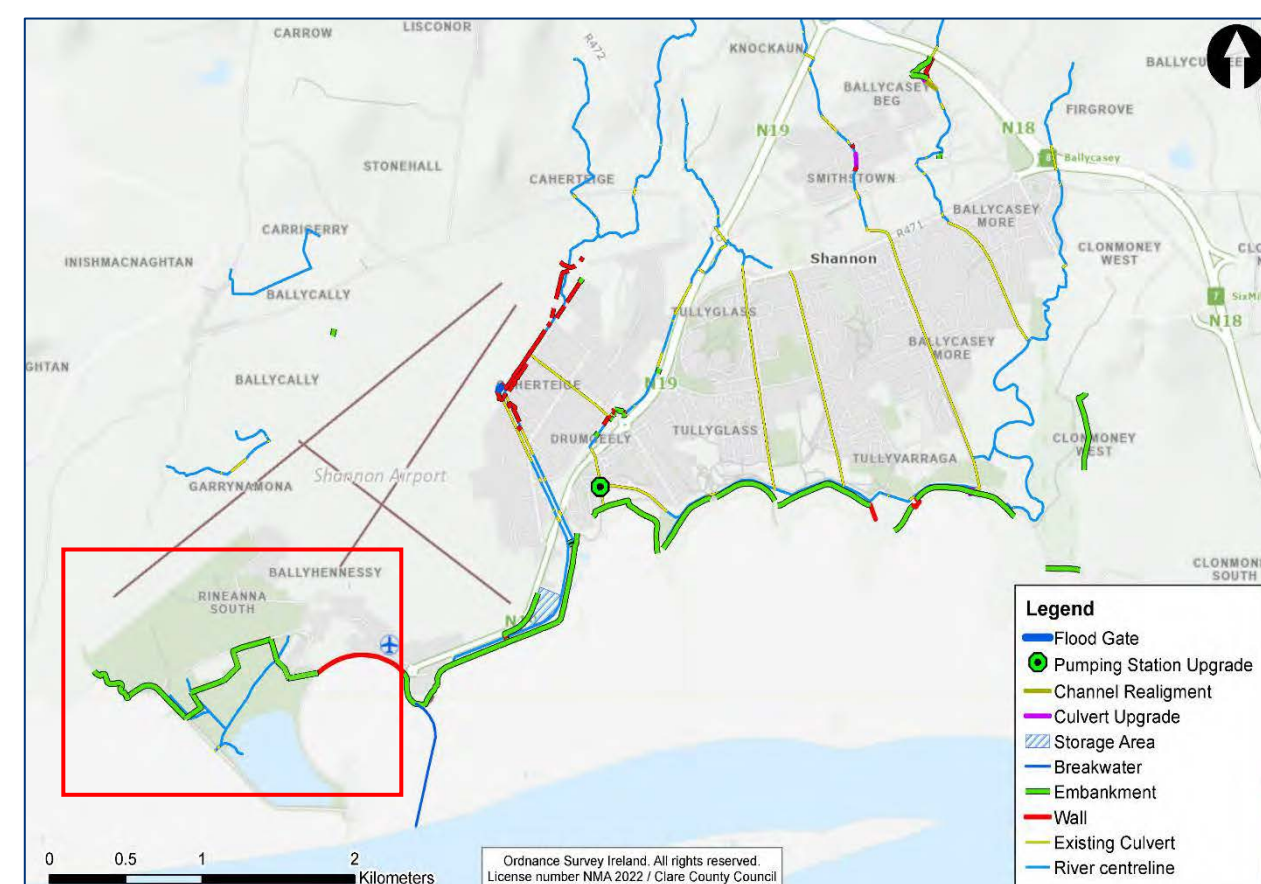
Emerging Preferred Option

Coastal Defences Upgrades

- Western Section

Typical Height Increase (m)

- Golf Course – 2.5 to 3.0m
- SAWE – 2.0m
- Route B – 5.0m



Shannon Town & Environs Flood Relief Scheme

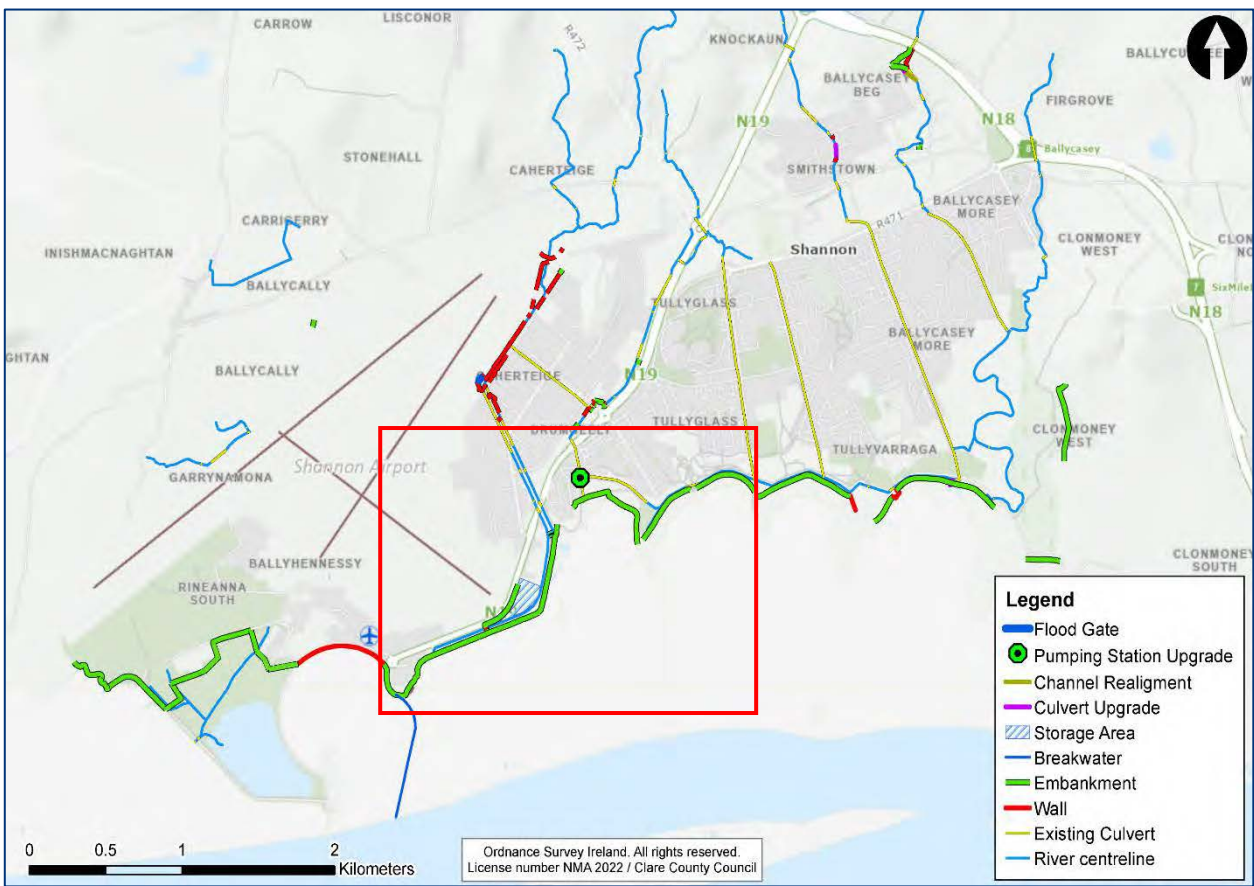
Emerging Preferred Option

Coastal Defences Upgrades

- Central Section

Typical Height Increase (m)

- SAAE, E11, E10 & E9 – 1.0m



Shannon Town & Environs Flood Relief Scheme

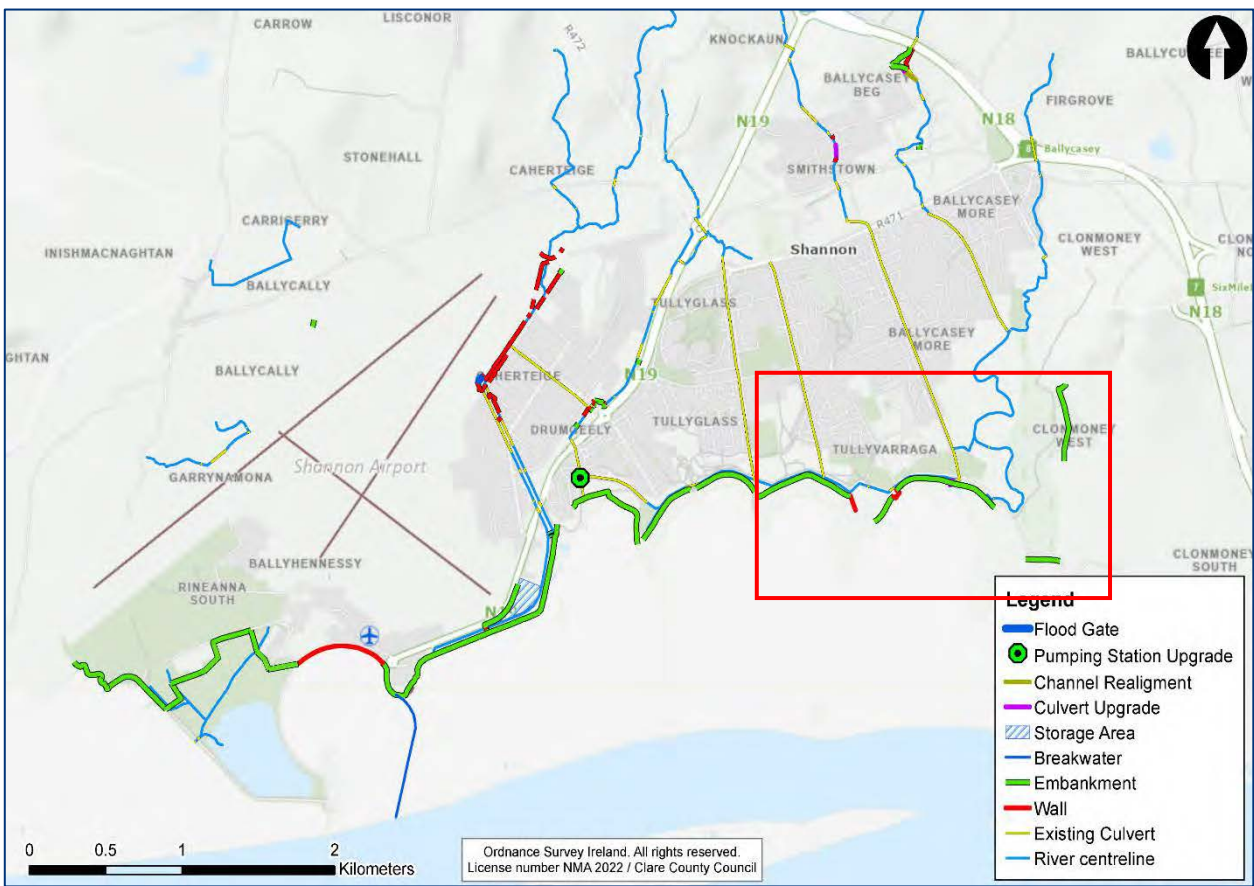
Emerging Preferred Option

Coastal Defences Upgrades

- Eastern Section

Typical Height Increase (m)

- E8, E7, E6 & E9 & Clonmoney West – 1.0m



Shannon Town & Environs Flood Relief Scheme

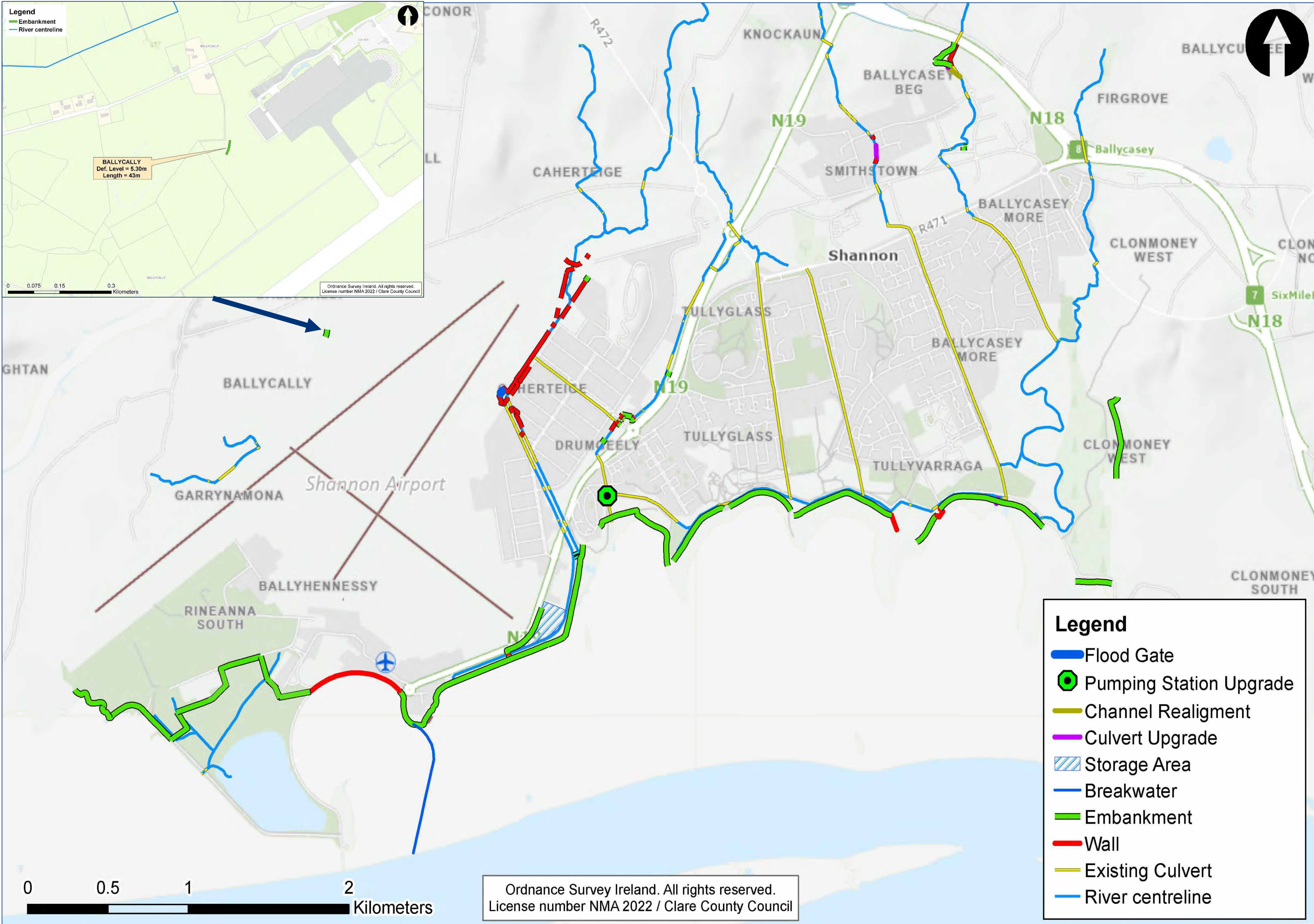
Emerging Preferred Option

Additional Defences Upgrades

- Ballycally

Typical Height Increase (m)

- Ballycally – 2.0m

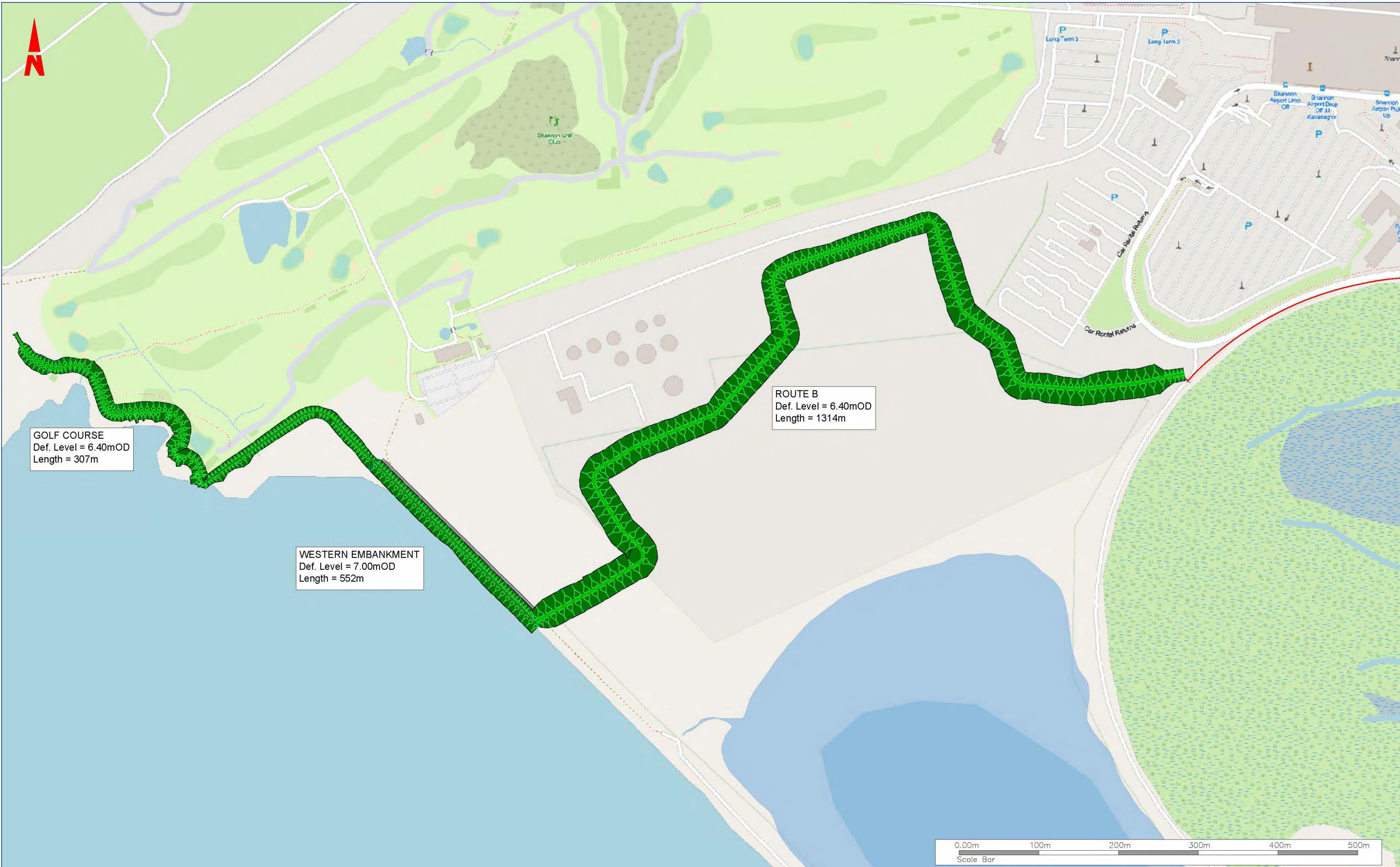
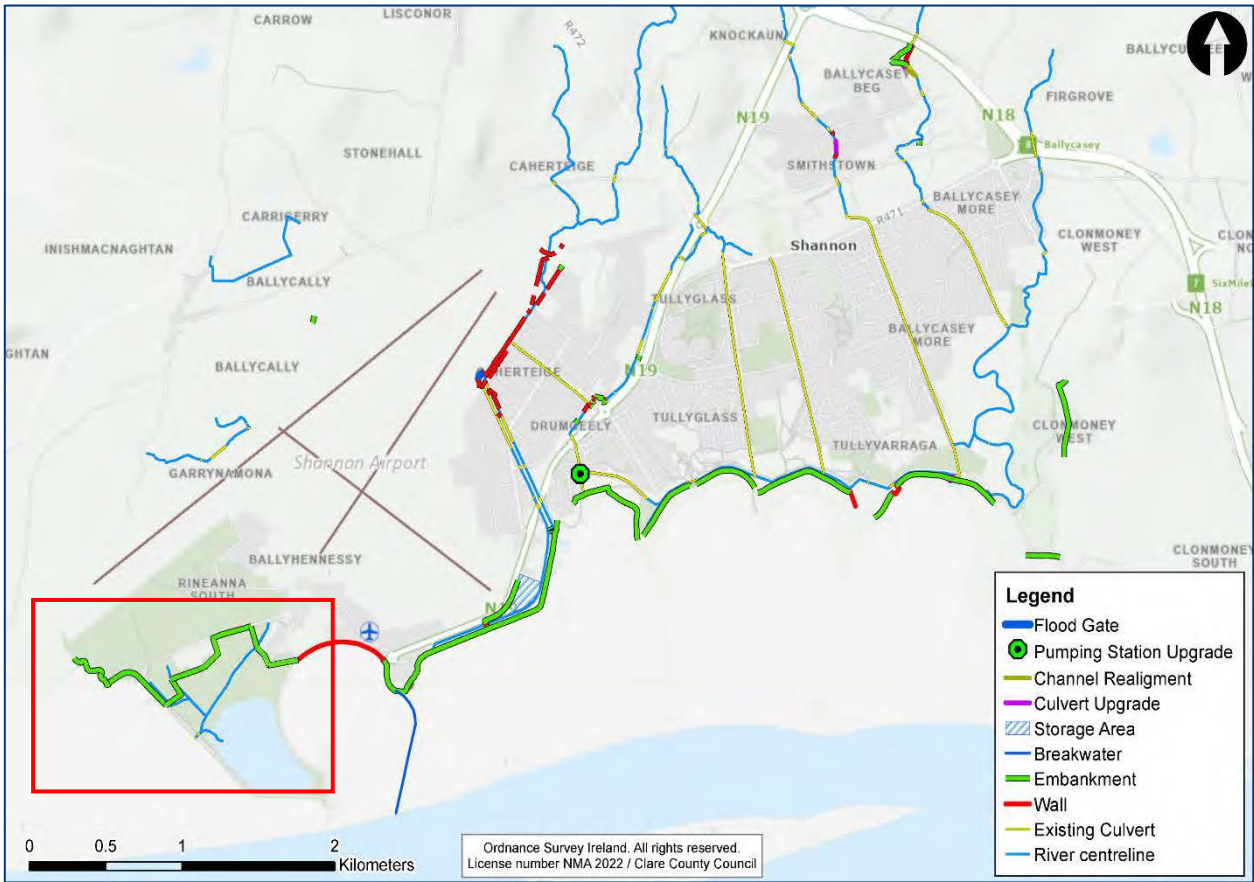


Shannon Town & Environs Flood Relief Scheme

Emerging Preferred Option

Proposed Embankment Footprint

- Golf Course & Western Embankment

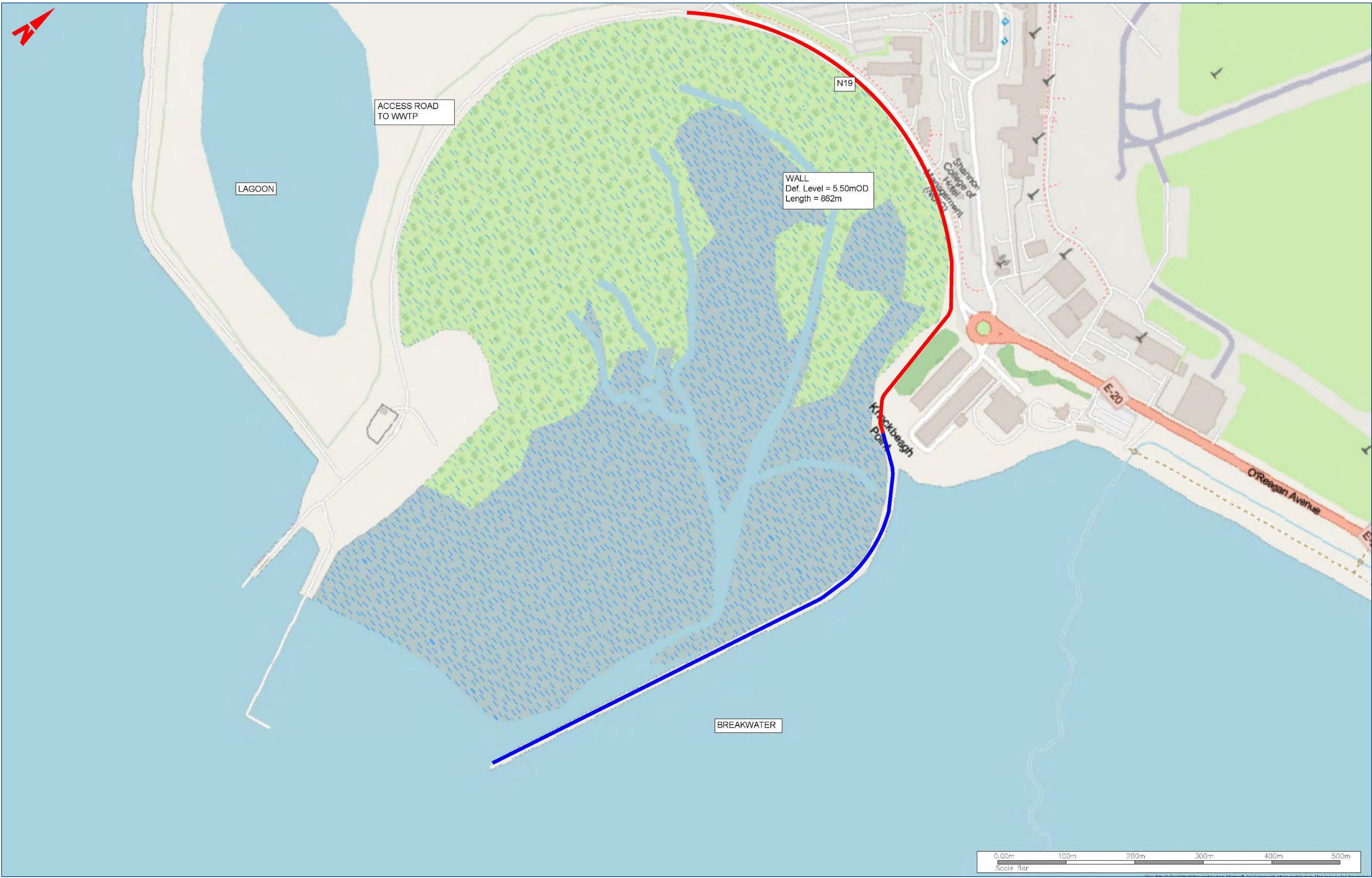
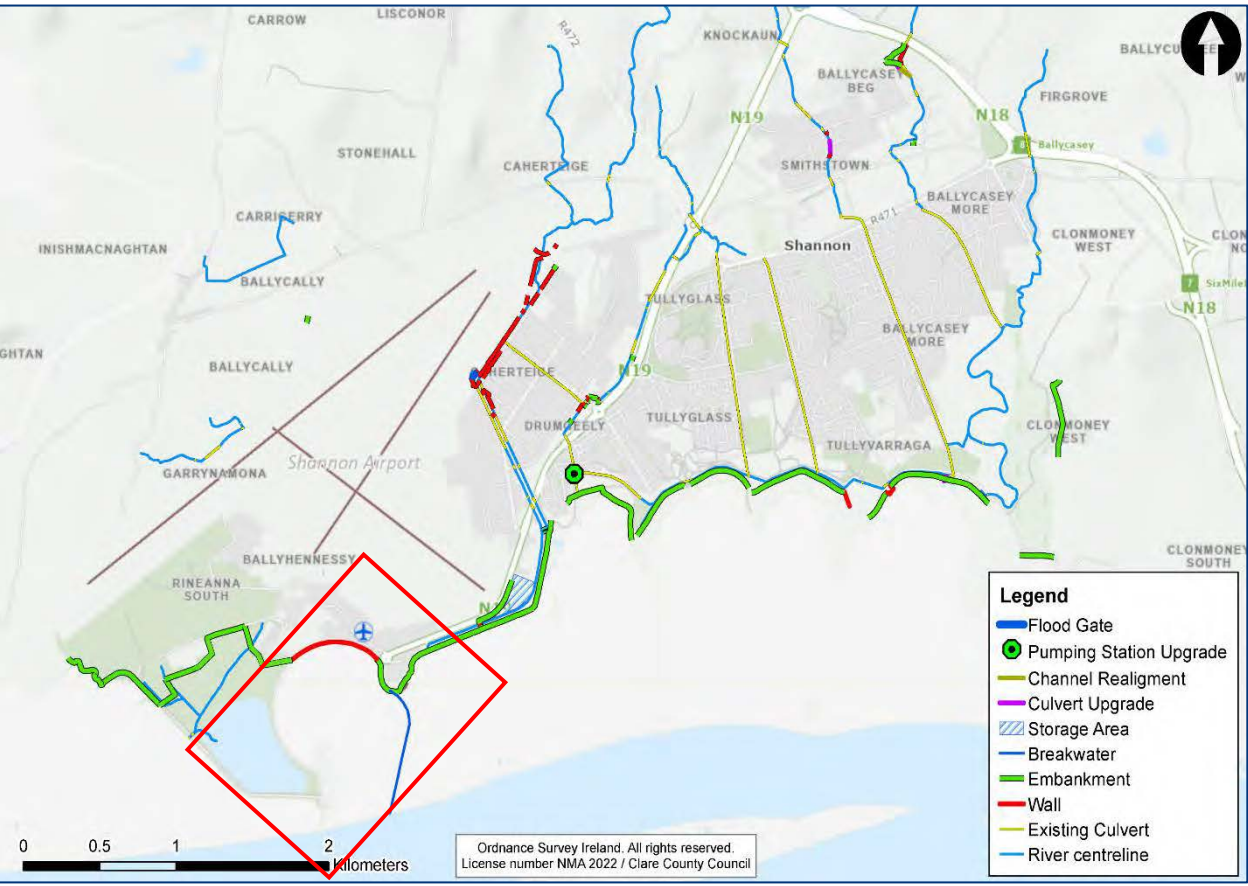


Shannon Town & Environs Flood Relief Scheme

Emerging Preferred Option

Proposed Flood Defences

- N19 / Breakwater

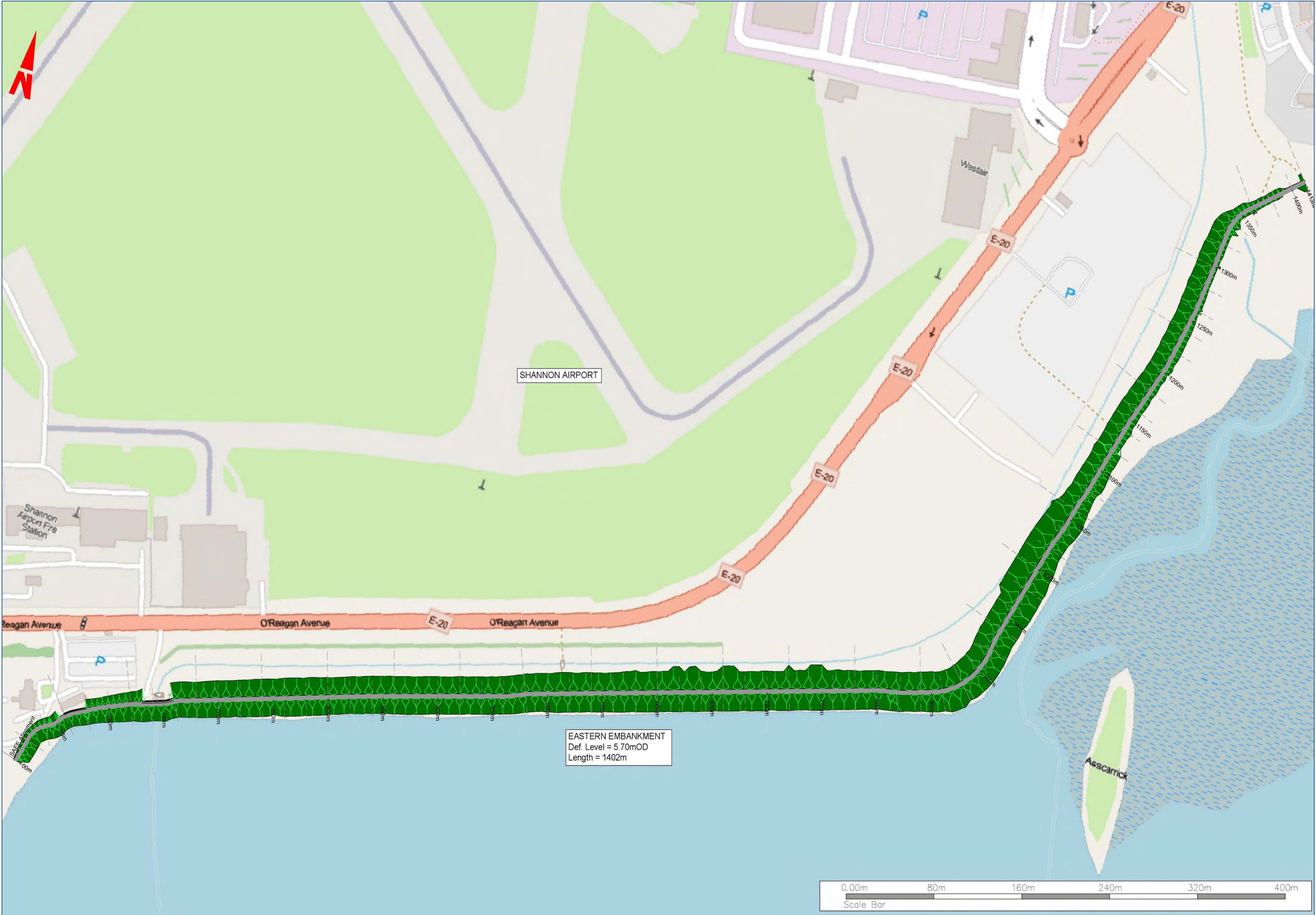
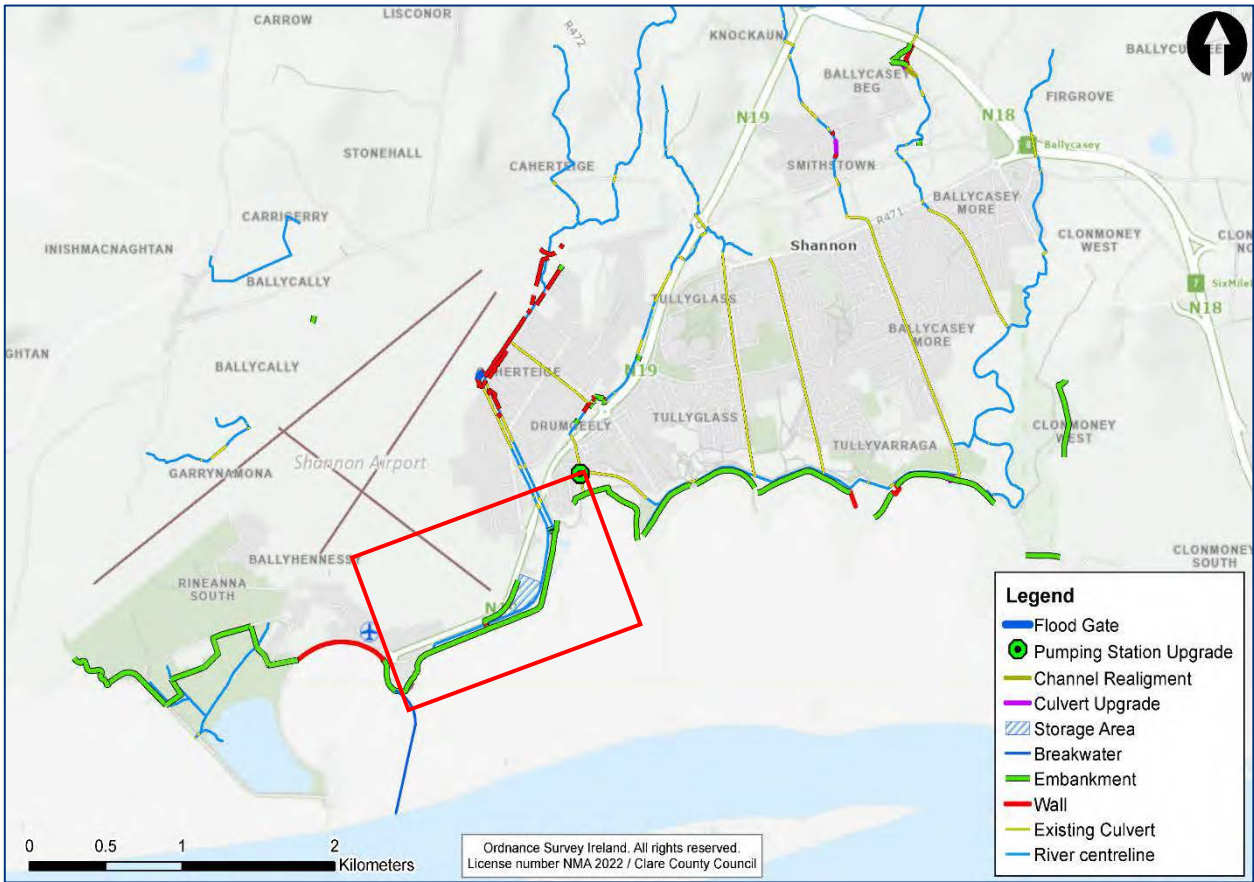


Shannon Town & Environs Flood Relief Scheme

Emerging Preferred Option

Proposed Embankment Footprint

- Eastern Embankment

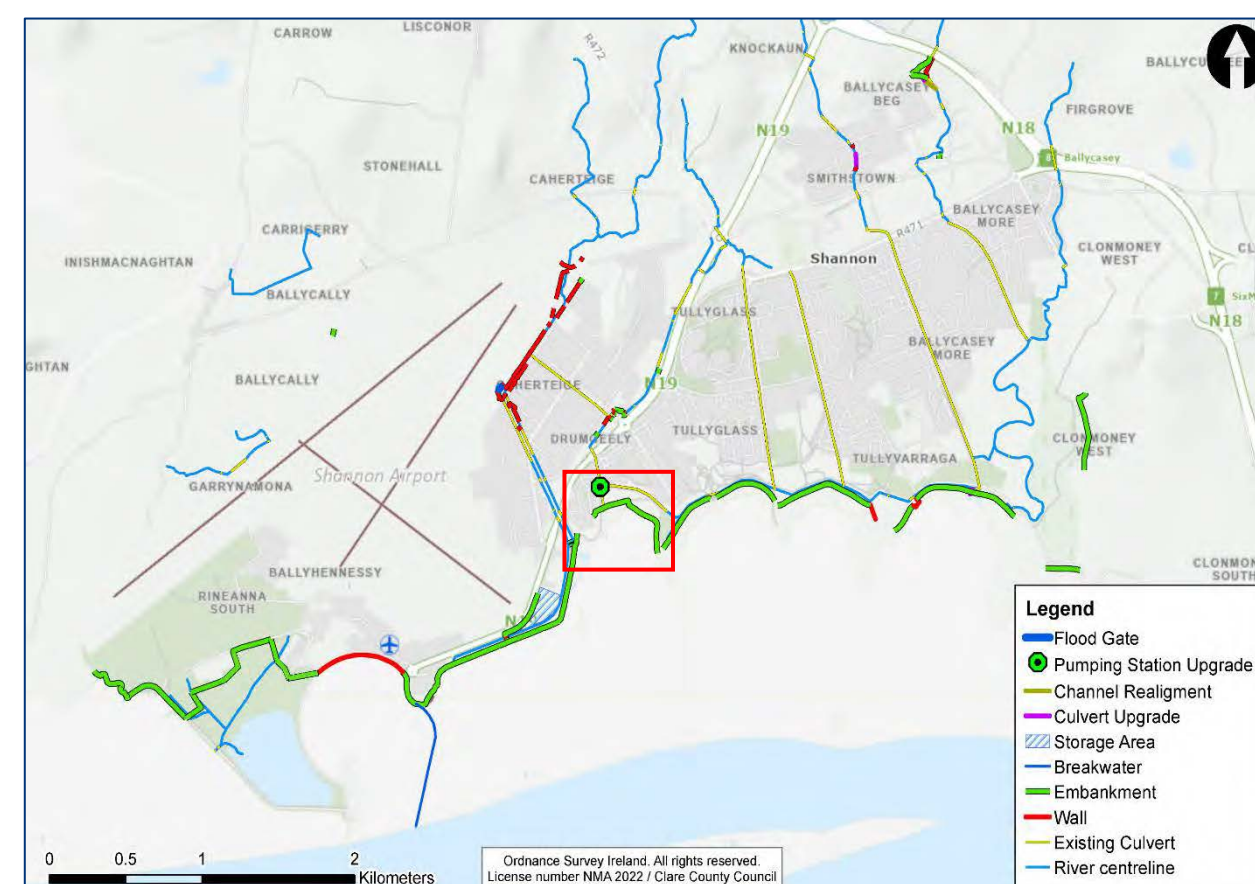


Shannon Town & Environs Flood Relief Scheme

Emerging Preferred Option

Proposed Embankment Footprint

- Embankment 11 (St. Senan's National School)



Proposed Embankment Footprint

- [illegible]

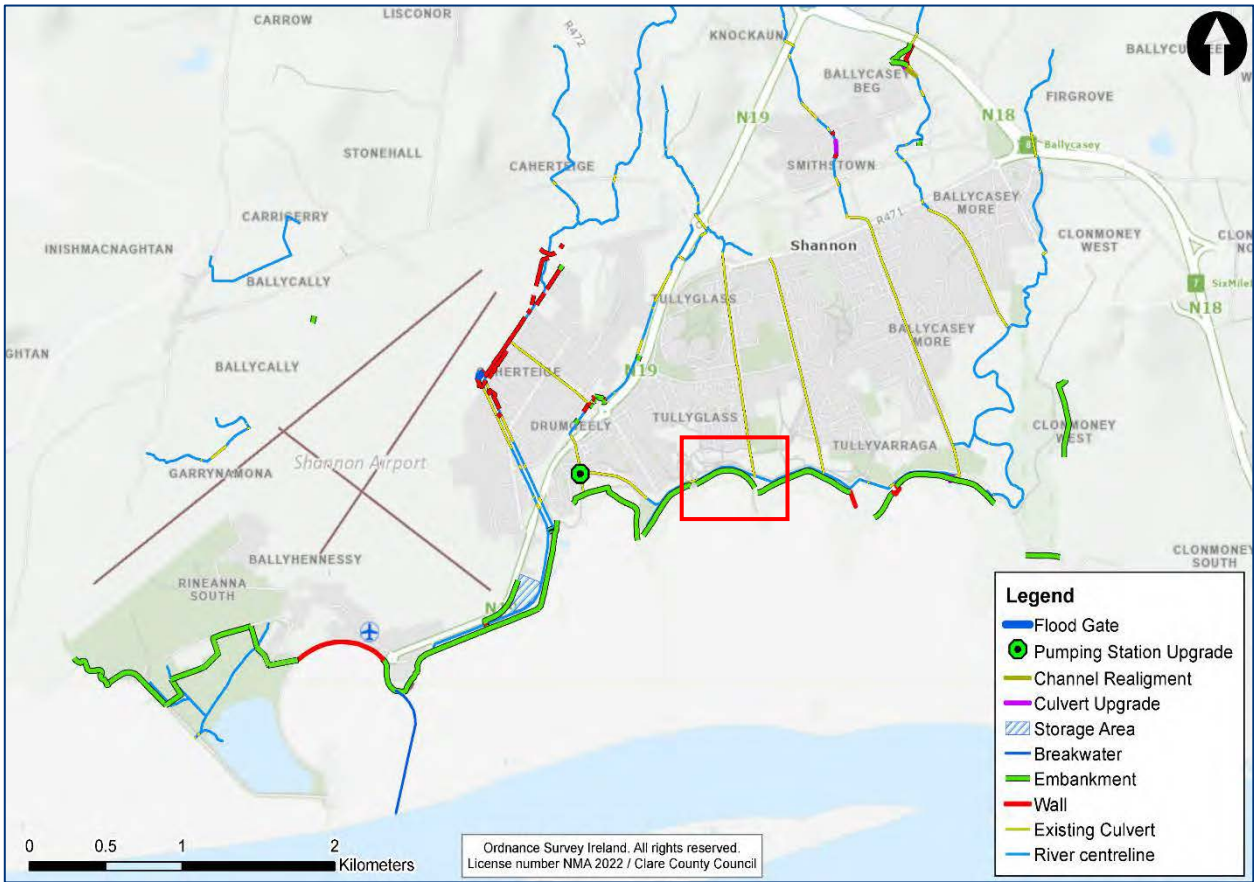


Shannon Town & Environs Flood Relief Scheme

Emerging Preferred Option

Proposed Embankment Footprint

- Embankment 9 (Glaise na Rinne, Shannon Hibernians FC)

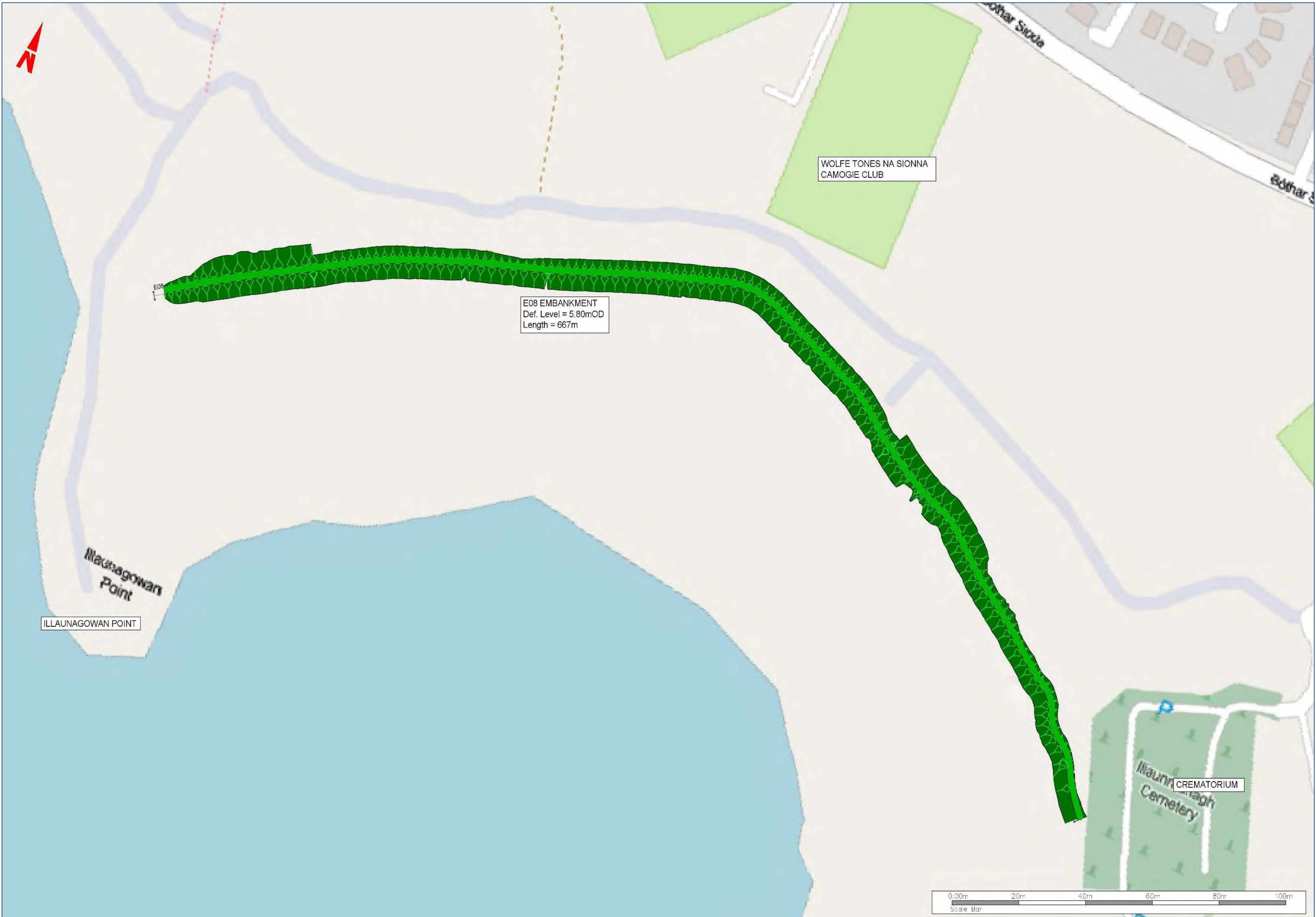
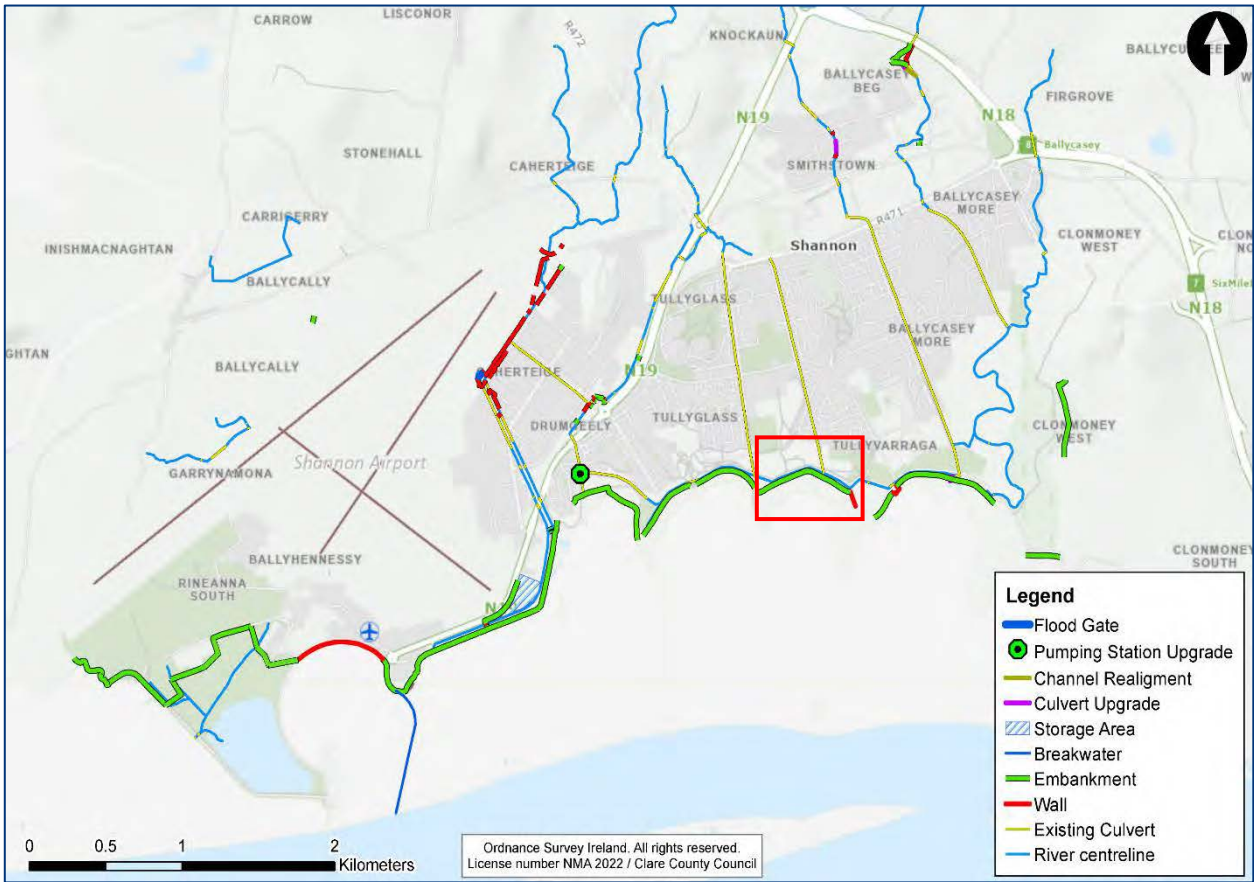


Shannon Town & Environs Flood Relief Scheme

Emerging Preferred Option

Proposed Embankment Footprint

- Embankment 8 (West of Crematorium)

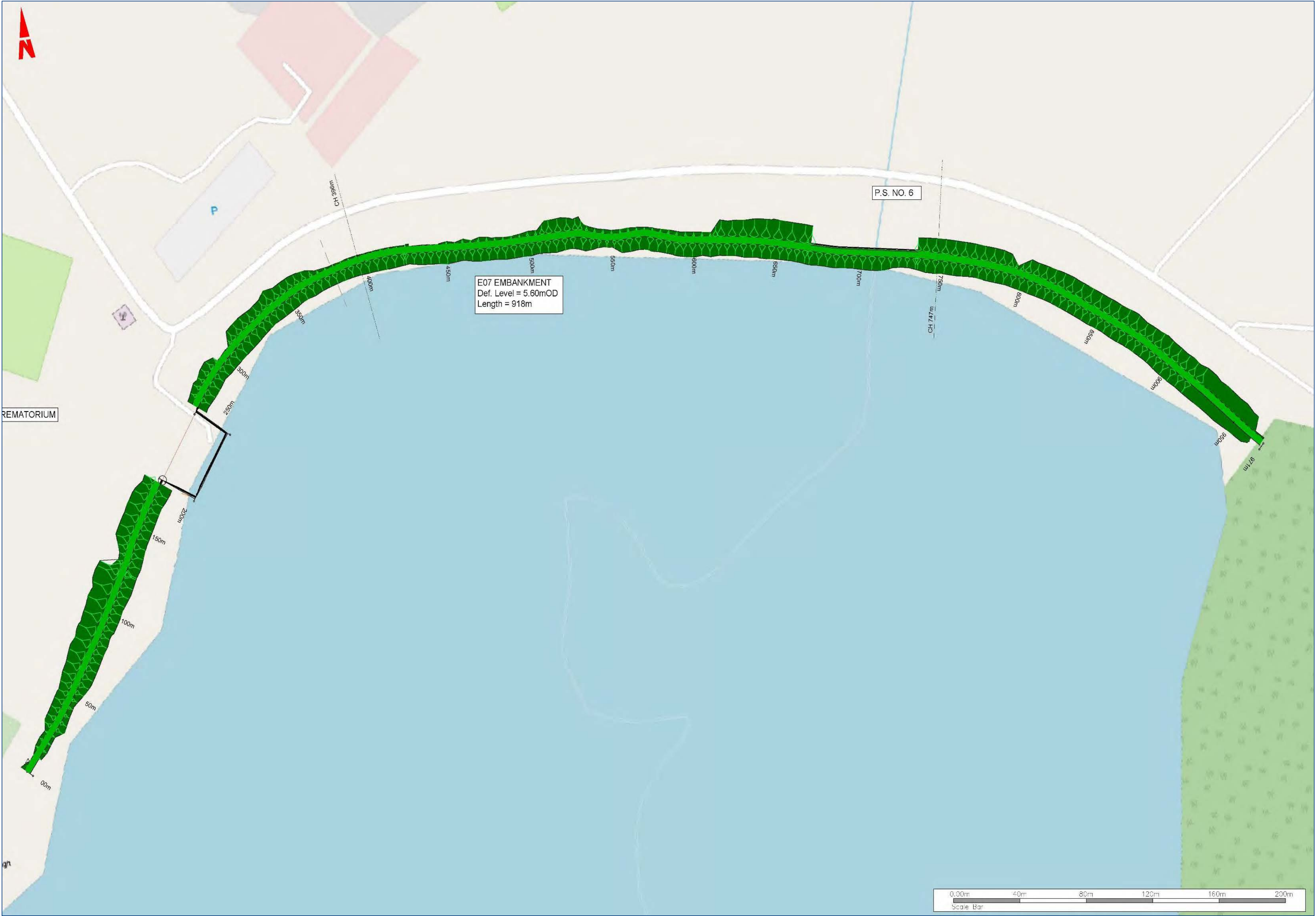
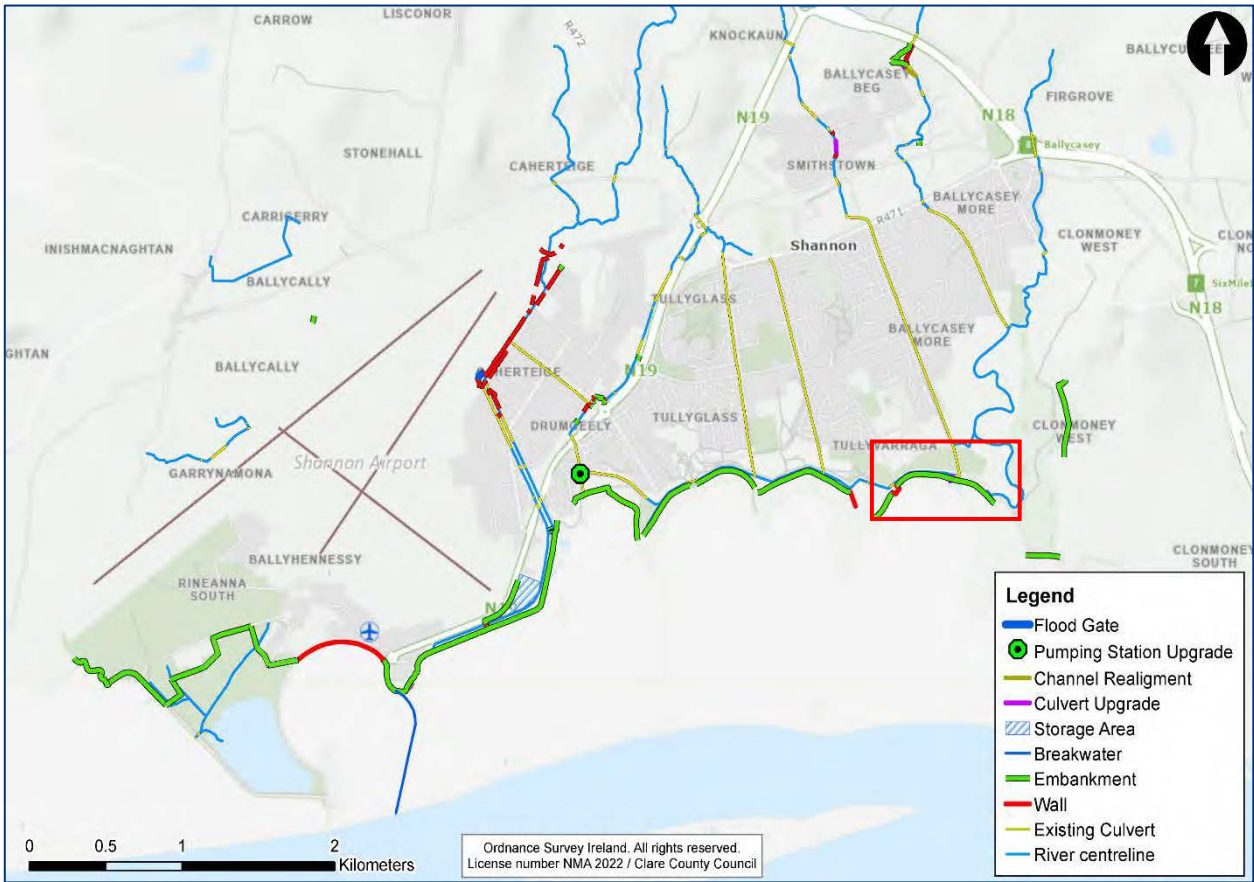


Shannon Town & Environs Flood Relief Scheme

Emerging Preferred Option

Proposed Embankment Footprint

- Embankment 7 (East of Crematorium)

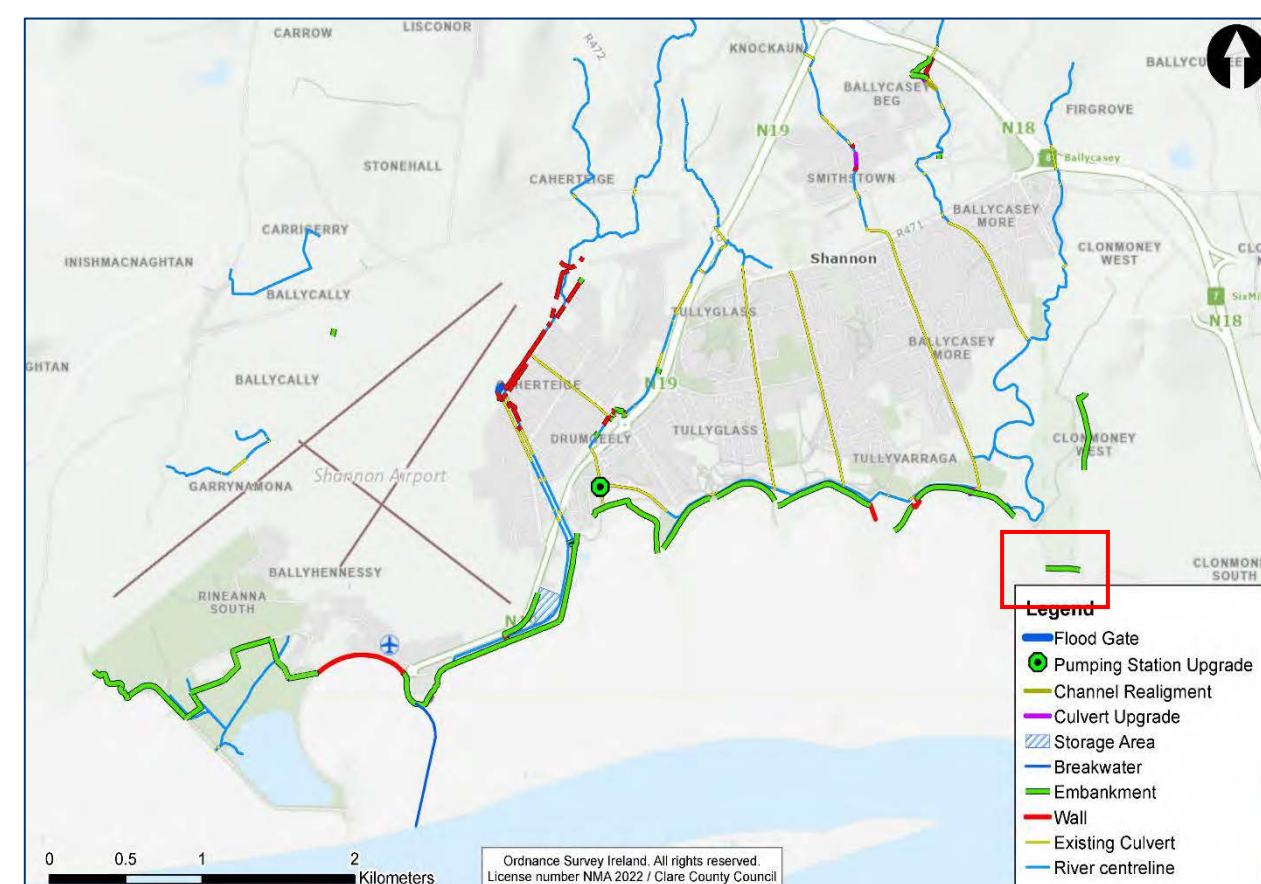


Shannon Town & Environs Flood Relief Scheme

Emerging Preferred Option

Proposed Embankment Footprint

- Embankment 6 (East of Flying Club)

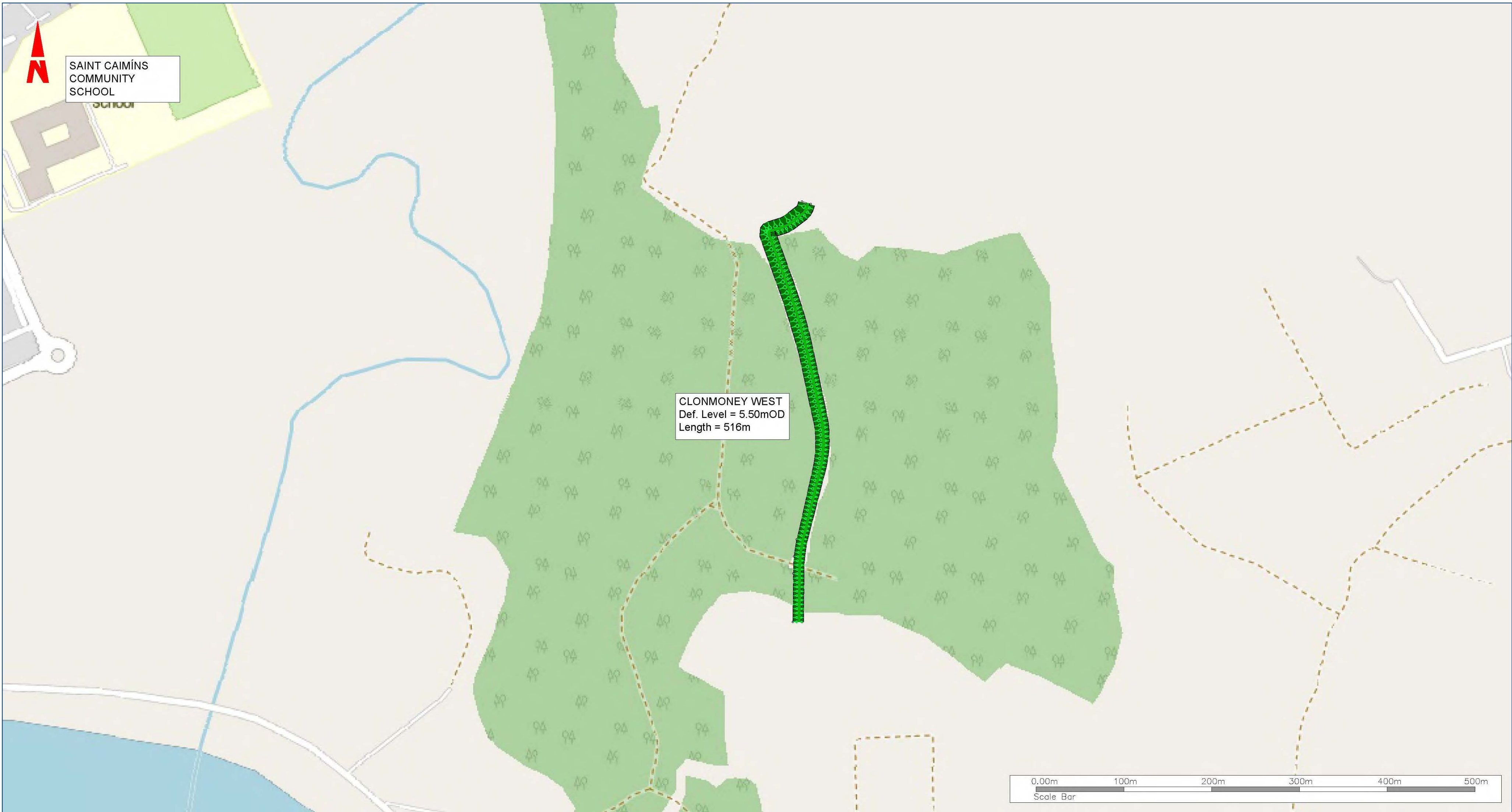
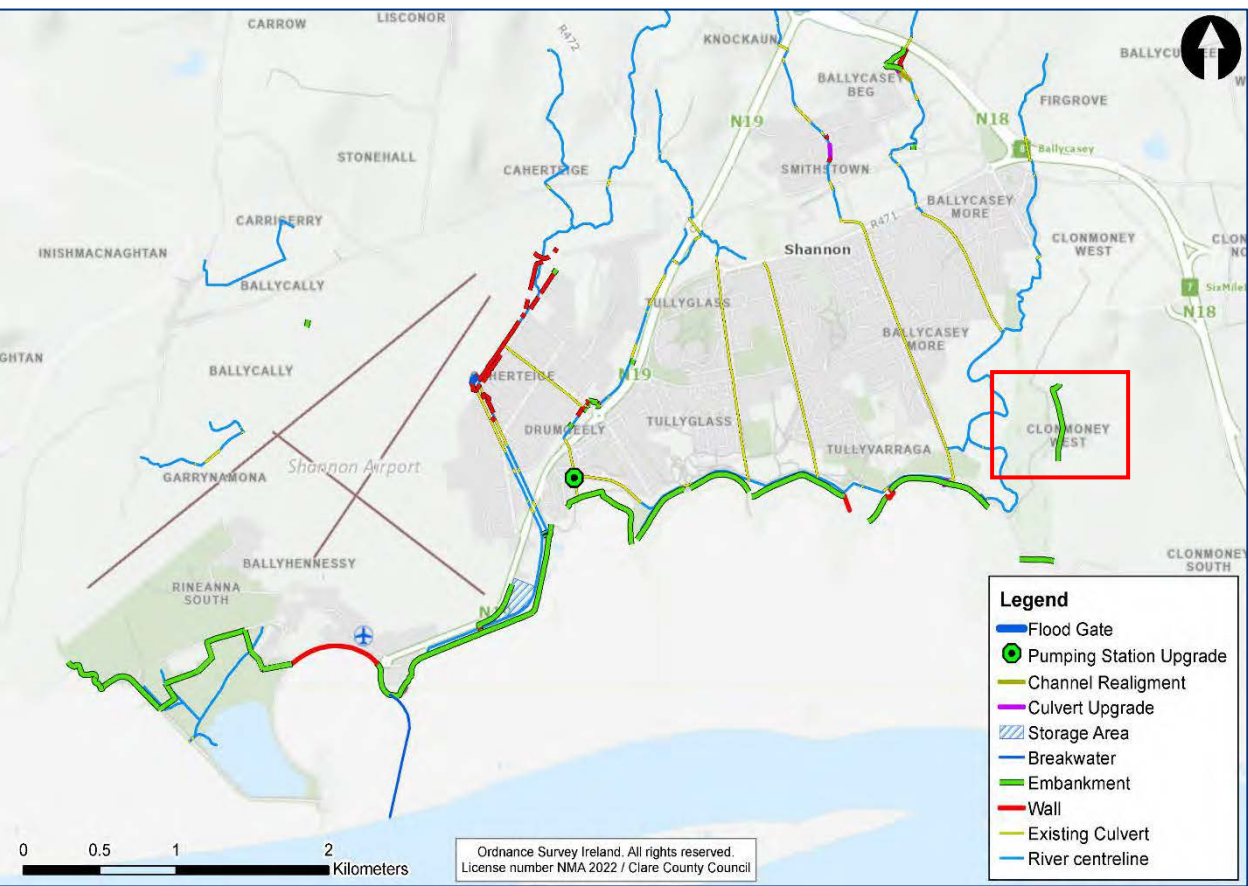


Shannon Town & Environs Flood Relief Scheme

Emerging Preferred Option

Proposed Embankment Footprint

- Clonmoney West

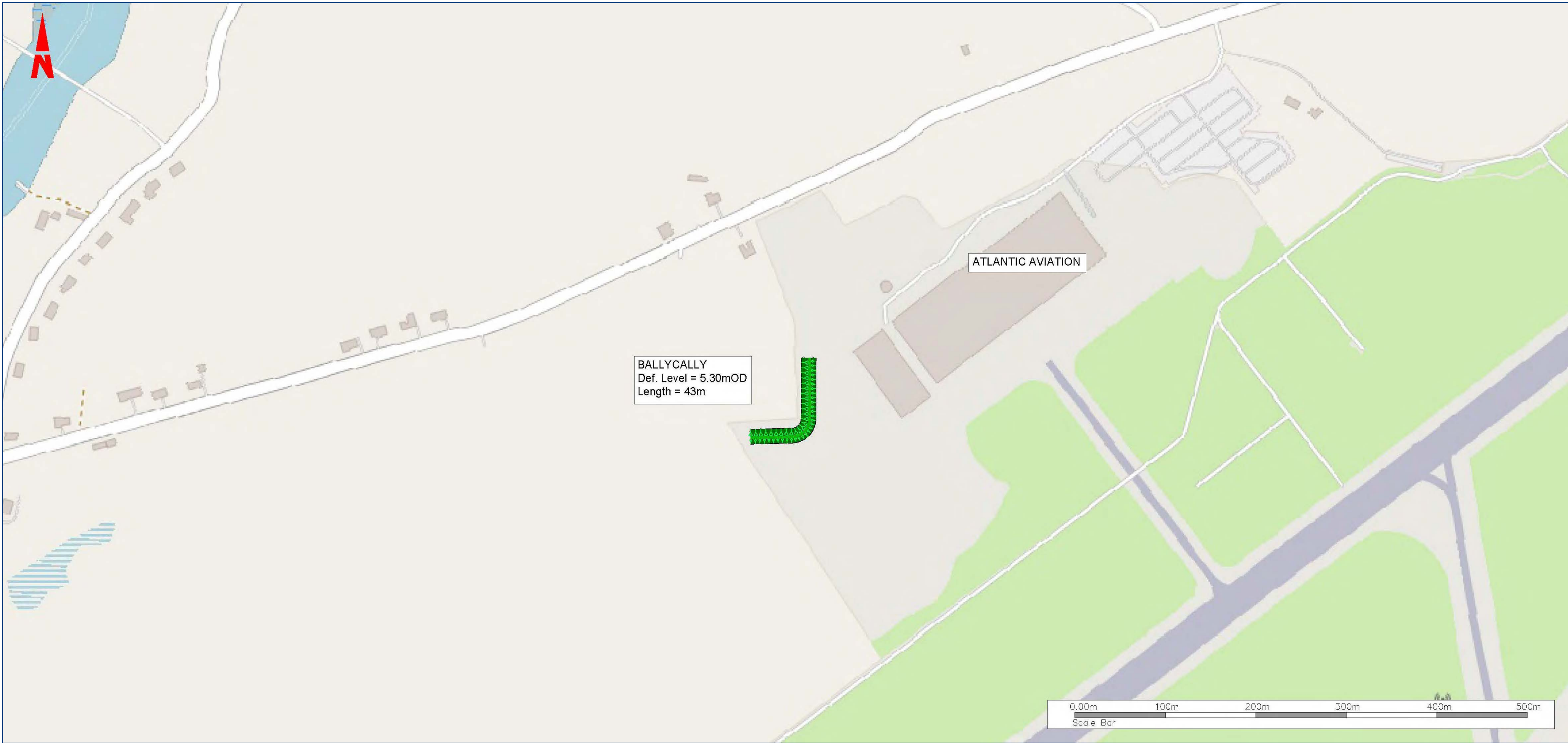
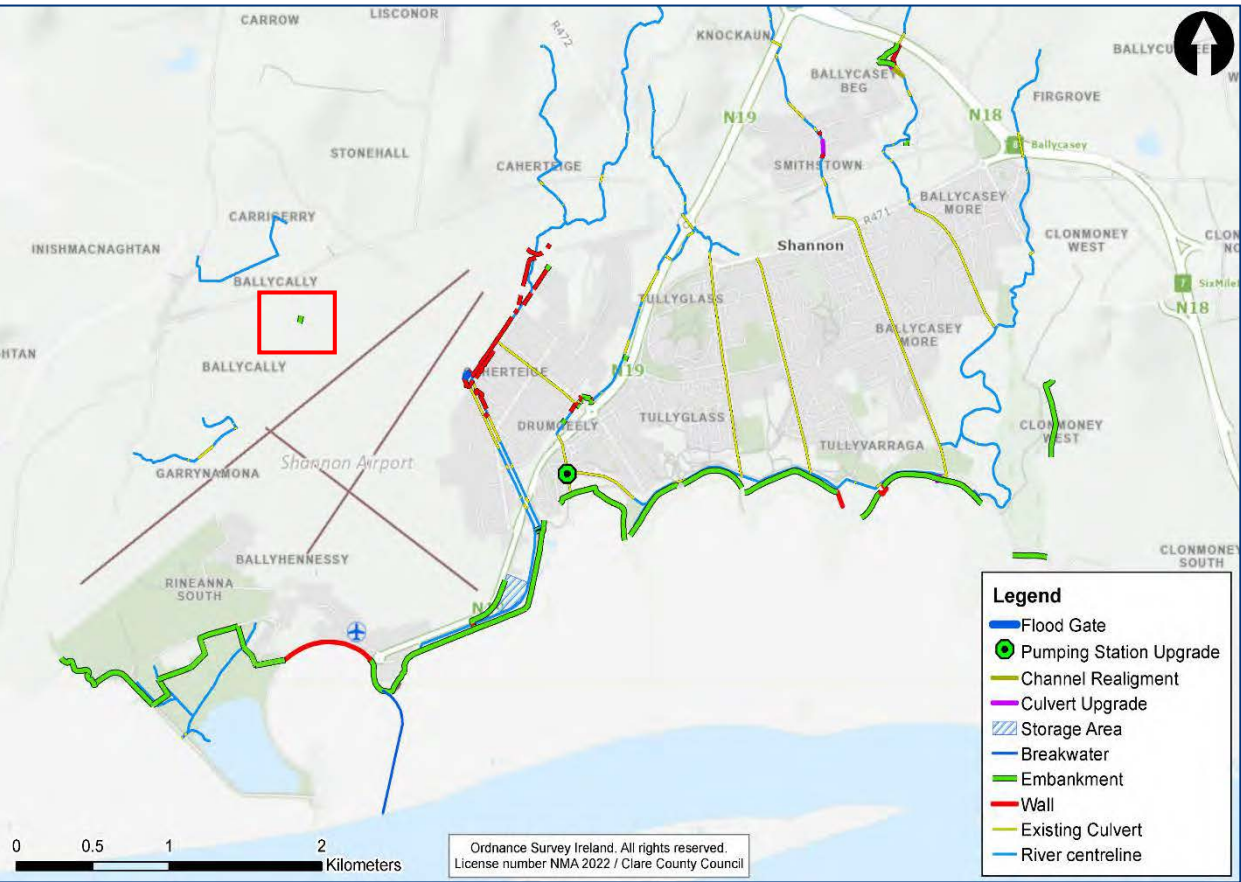


Shannon Town & Environs Flood Relief Scheme

Emerging Preferred Option

Proposed Embankment Footprint

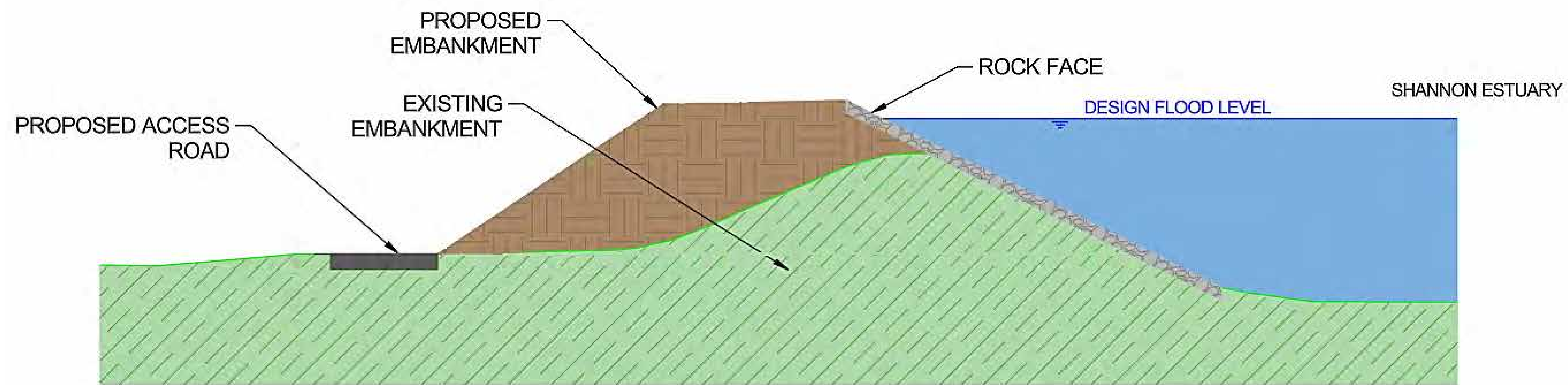
- Ballycally



Shannon Town & Environs Flood Relief Scheme

Emerging Preferred Option

Proposed Embankments

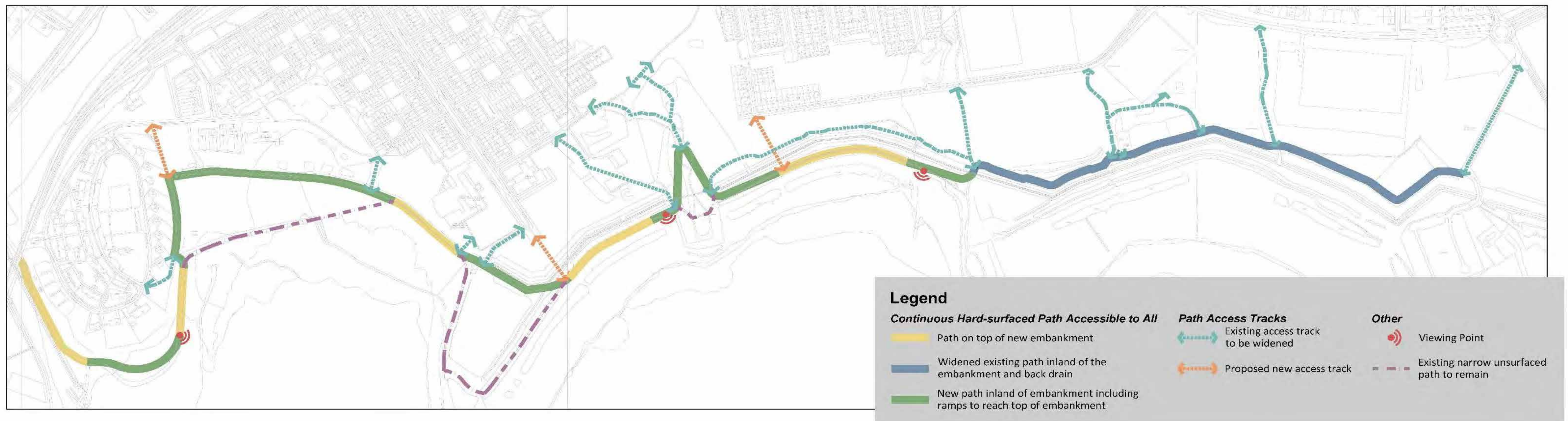


Typical Section – Western Embankments

Shannon Town & Environs Flood Relief Scheme

Walkways

- Emerging preferred option incorporates walkways to accommodate walking, running, and other uses along the eastern embankments.

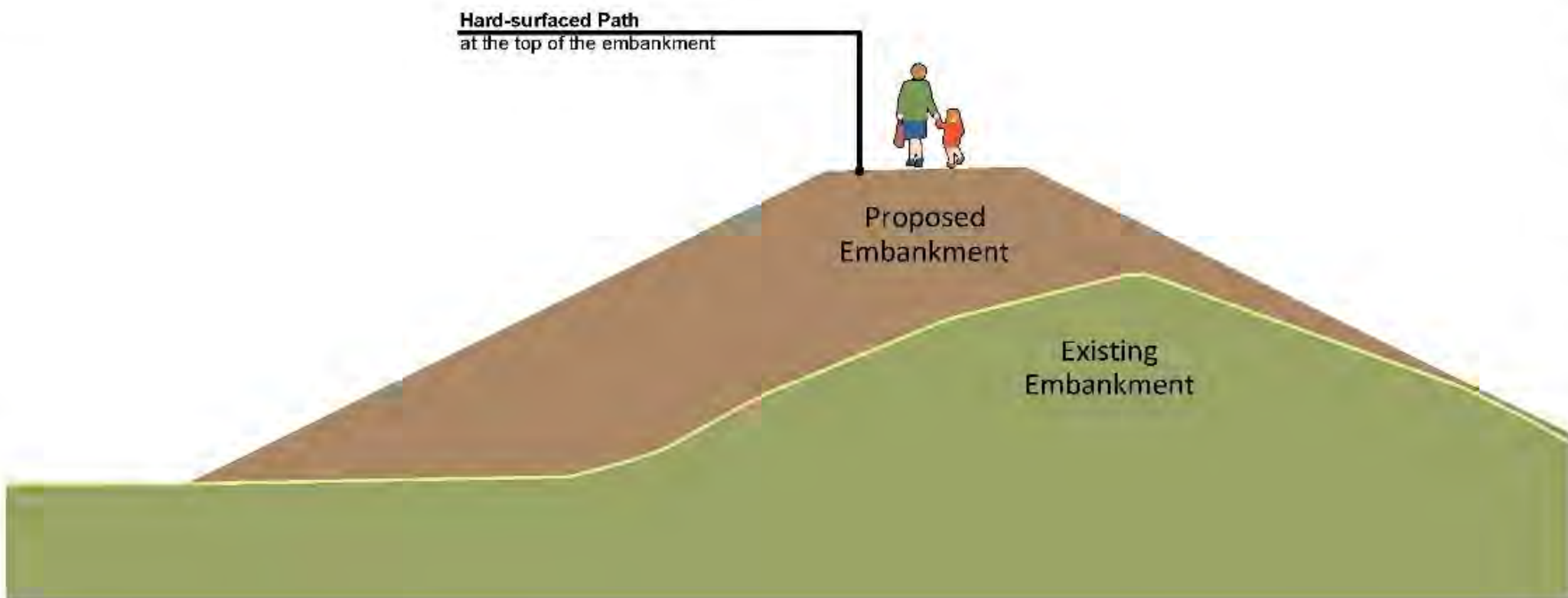


Shannon Town & Environs Flood Relief Scheme

Walkways

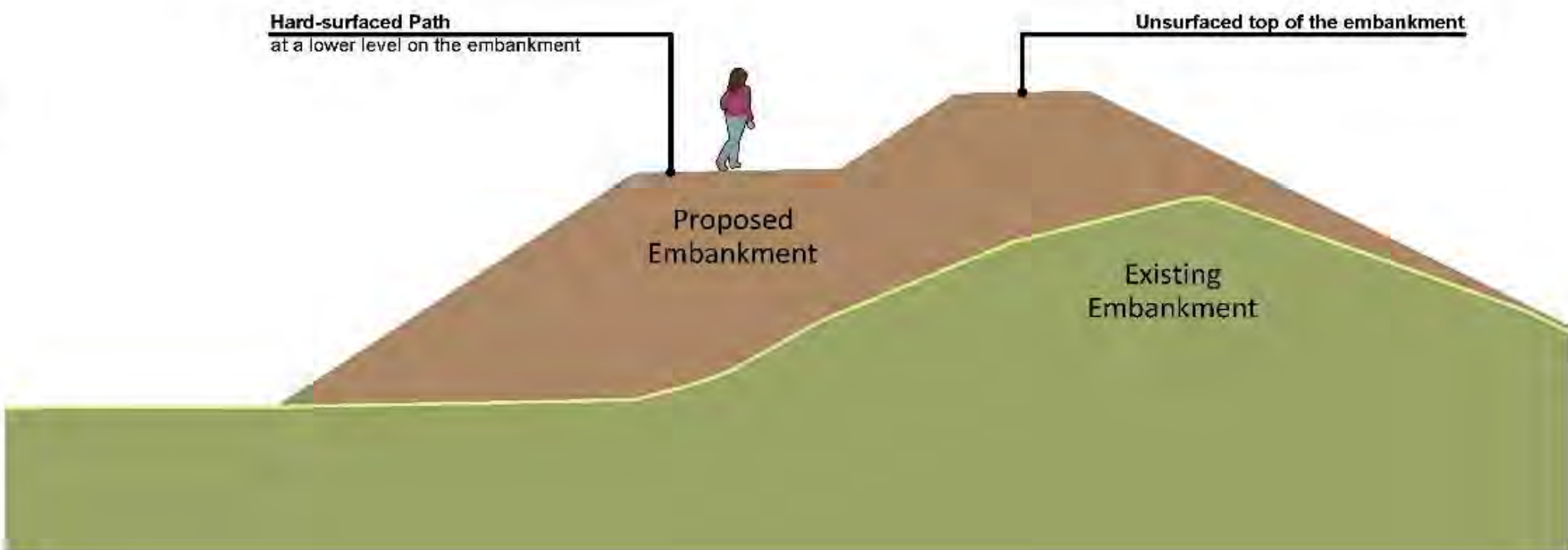
Path on top of new embankment

In the five areas where the path is proposed atop the embankments there will be uninterrupted views of the estuary, however users will be fully exposed to all weather conditions and due to the width other amenity options are limited.



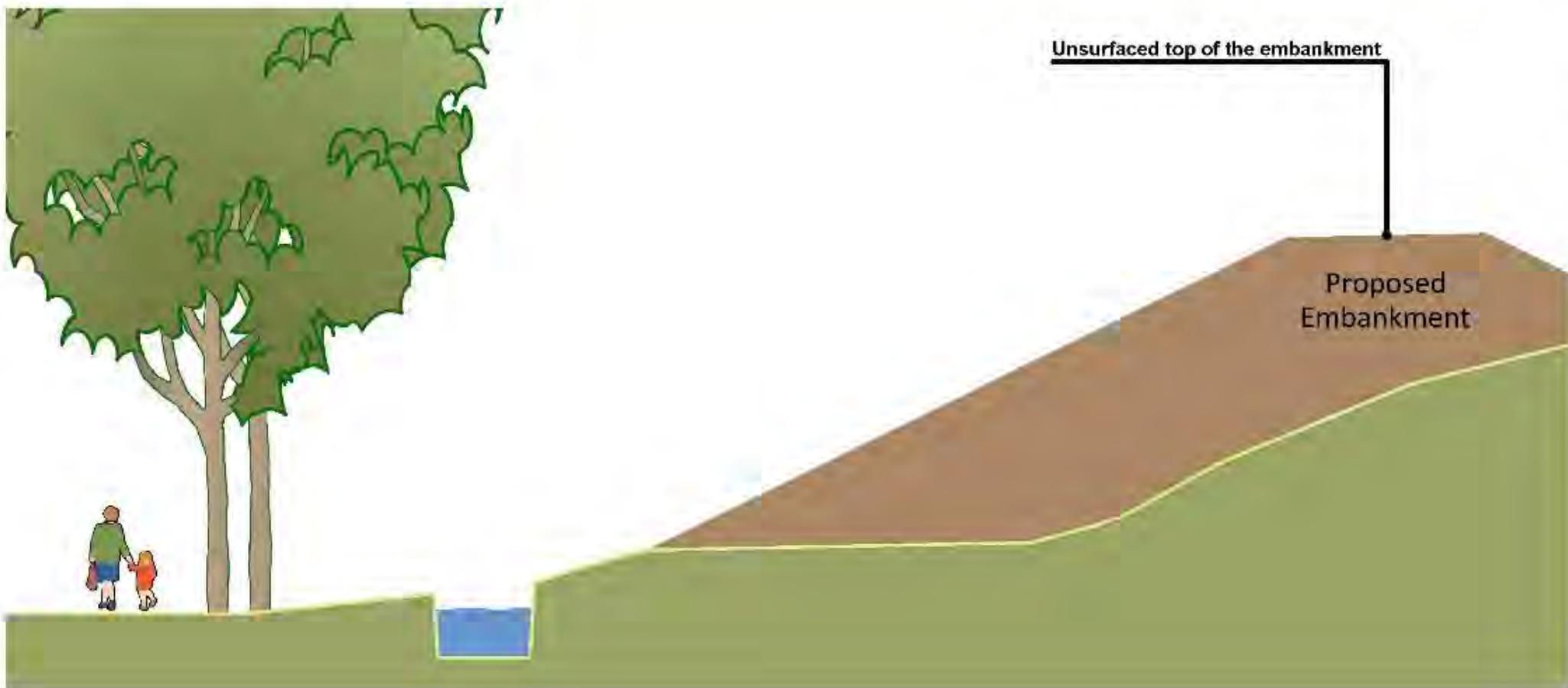
New Path inland and Level Changes

In areas with the greatest sensitivity to the bird population it is proposed to bring the path further inland. In some cases, in particular where the path will be rising to run on the top of the embankment, this will mean that the path is set at a lower level as shown in the section to the right. In many cases there will still be visibility of the estuary across the peak of the embankment, at the same time providing some shelter from the prevalent south-westerly winds.



Widened Existing Path

It is proposed to widen and pave the existing narrow paths amongst the trees inland of the embankment and back drain. This is the most sheltered section of the coastal way. Also, as there are less width restrictions there is a great scope for adding on amenity opportunities, such as outdoor gyms, informal paths for children to mountainbike weaving in and out of the main path or informal play areas along the path.



Viewing Points

This covered areas can double as intermittent shelter areas for path users, and as 'bird hides' - enclosed sheltered areas for bird watchers to observe birds without disturbing them. The structure will be set into the embankment and the design will have to be carefully considered to provide a balance between maximum shelter, least disturbance to bird-life and avoiding anti-social behaviour.

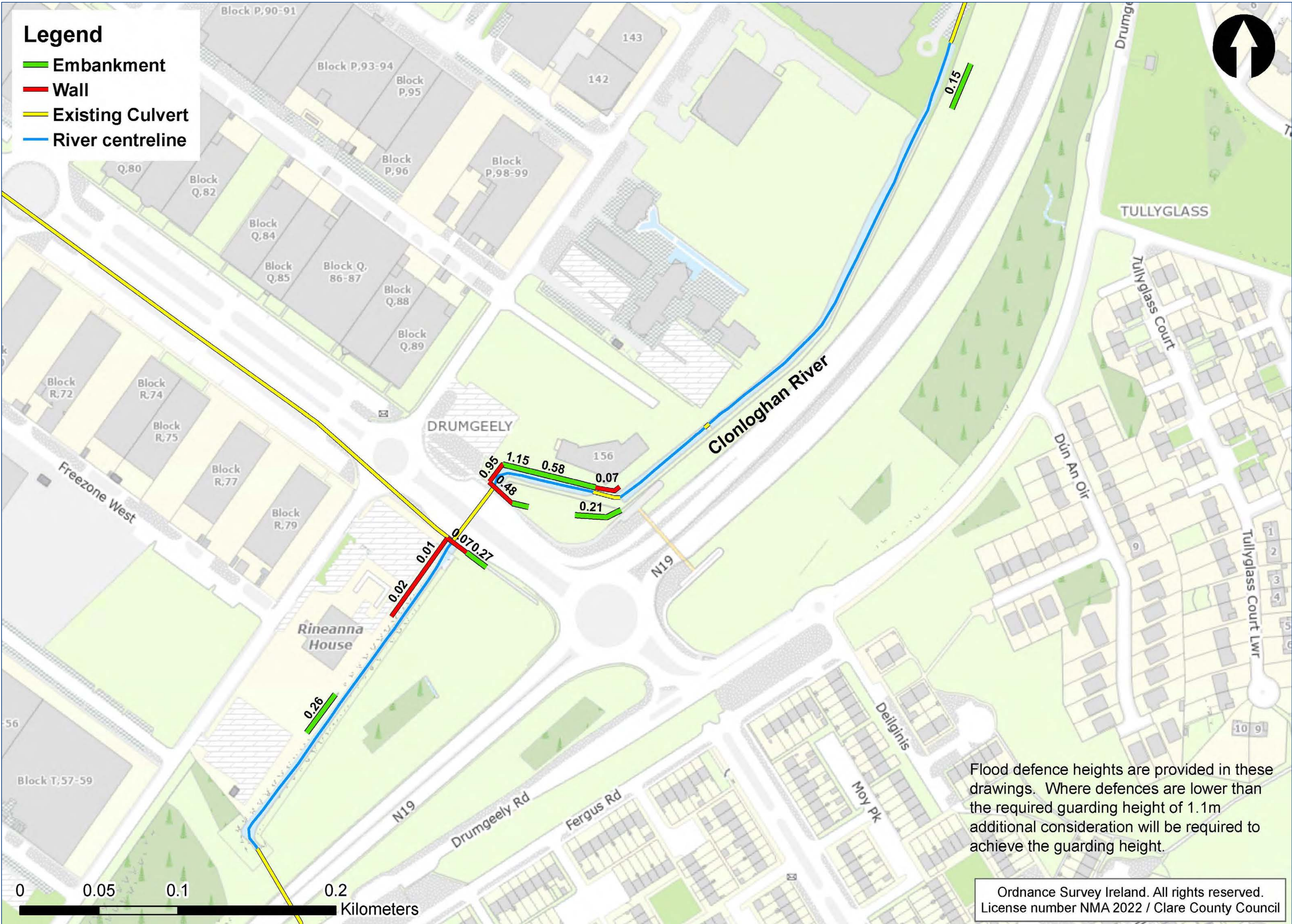
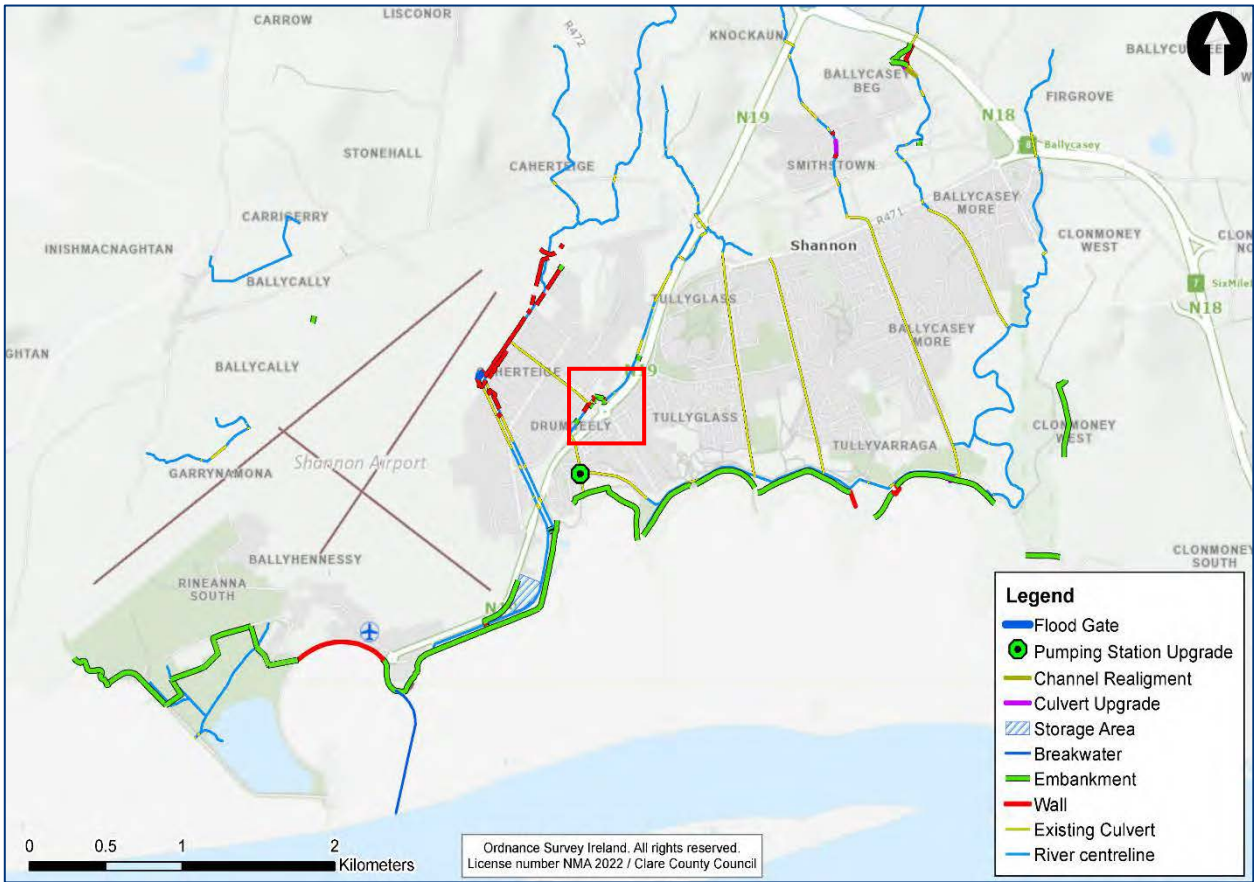


Shannon Town & Environs Flood Relief Scheme

Emerging Preferred Option

Flood Walls and Embankments at Clonloghan River

Note: Levels of defences refer to height above ground

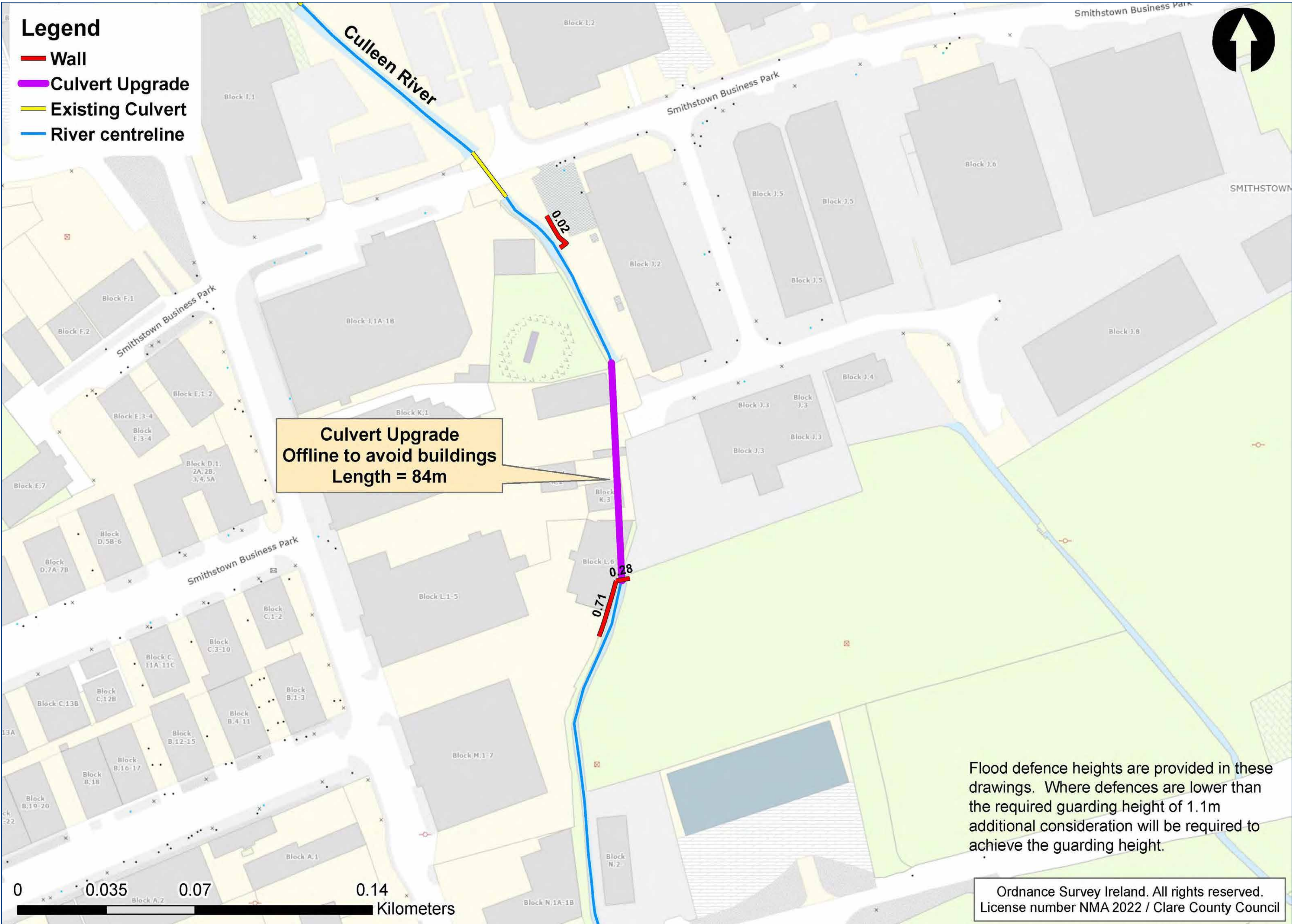
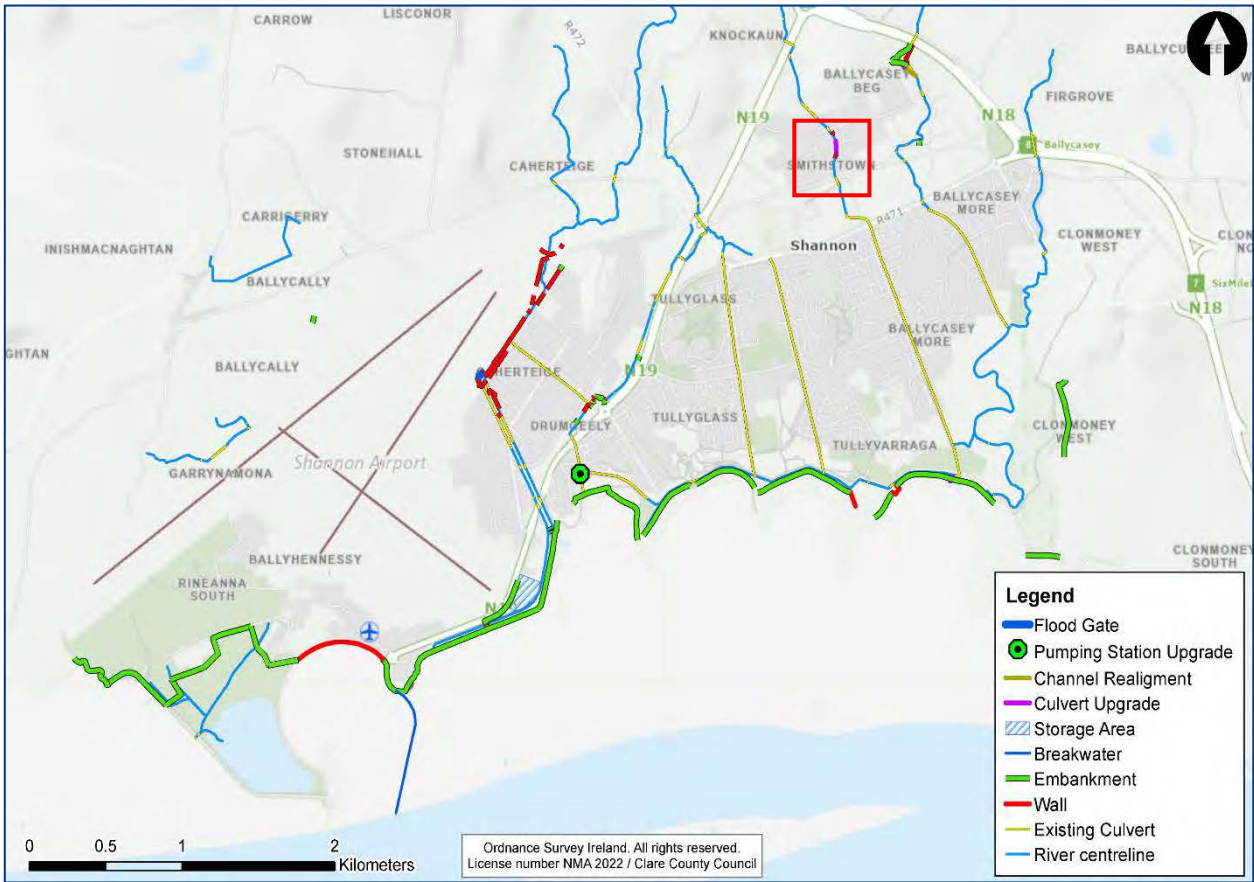


Shannon Town & Environs Flood Relief Scheme

Emerging Preferred Option

Hard Defences and Culvert Upgrade
Culleen Stream

Note: Levels of defences
refer to height above ground

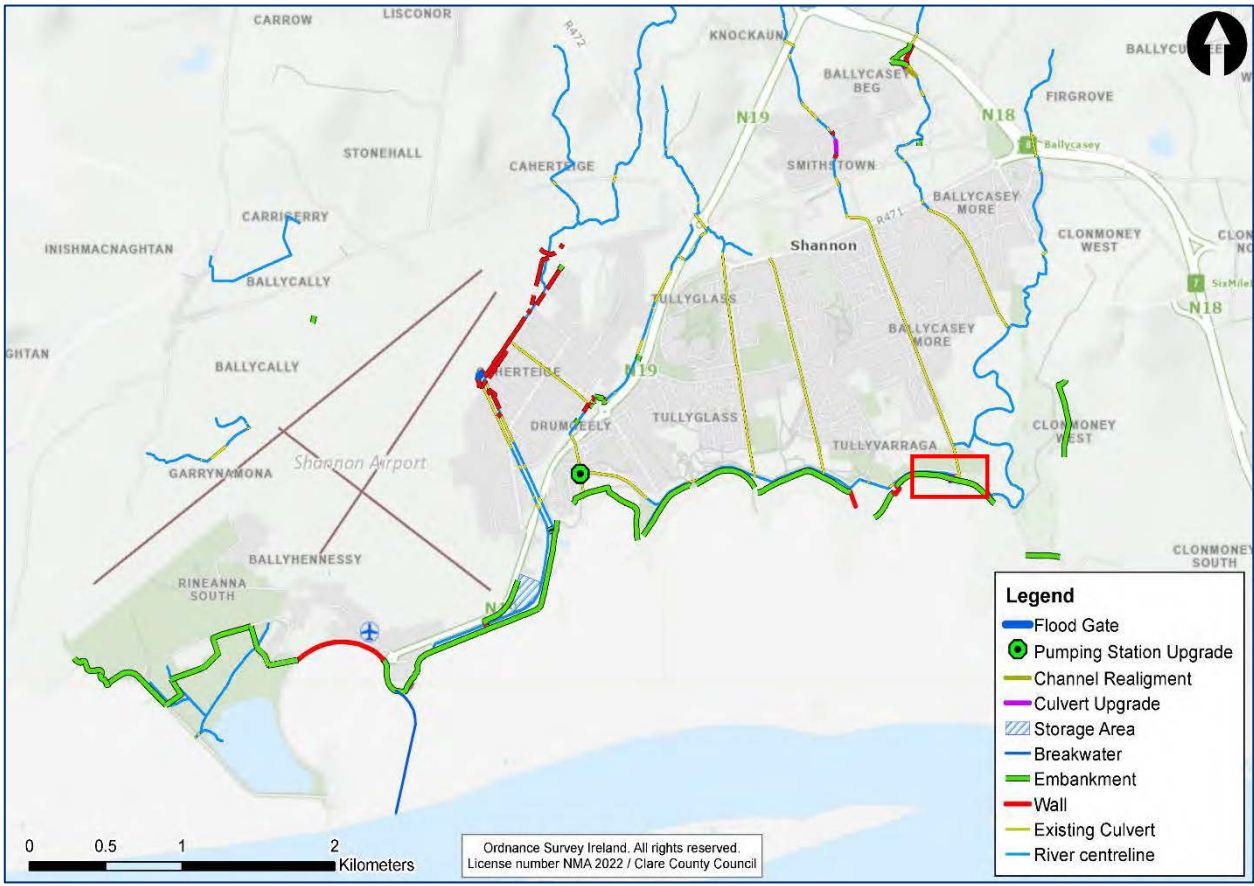


Flood defence heights are provided in these drawings. Where defences are lower than the required guarding height of 1.1m additional consideration will be required to achieve the guarding height.

Shannon Town & Environs Flood Relief Scheme

Emerging Preferred Option

Embankment Back Drain includes upgrading the culvert associated with the outfall next to Pumping Station 6

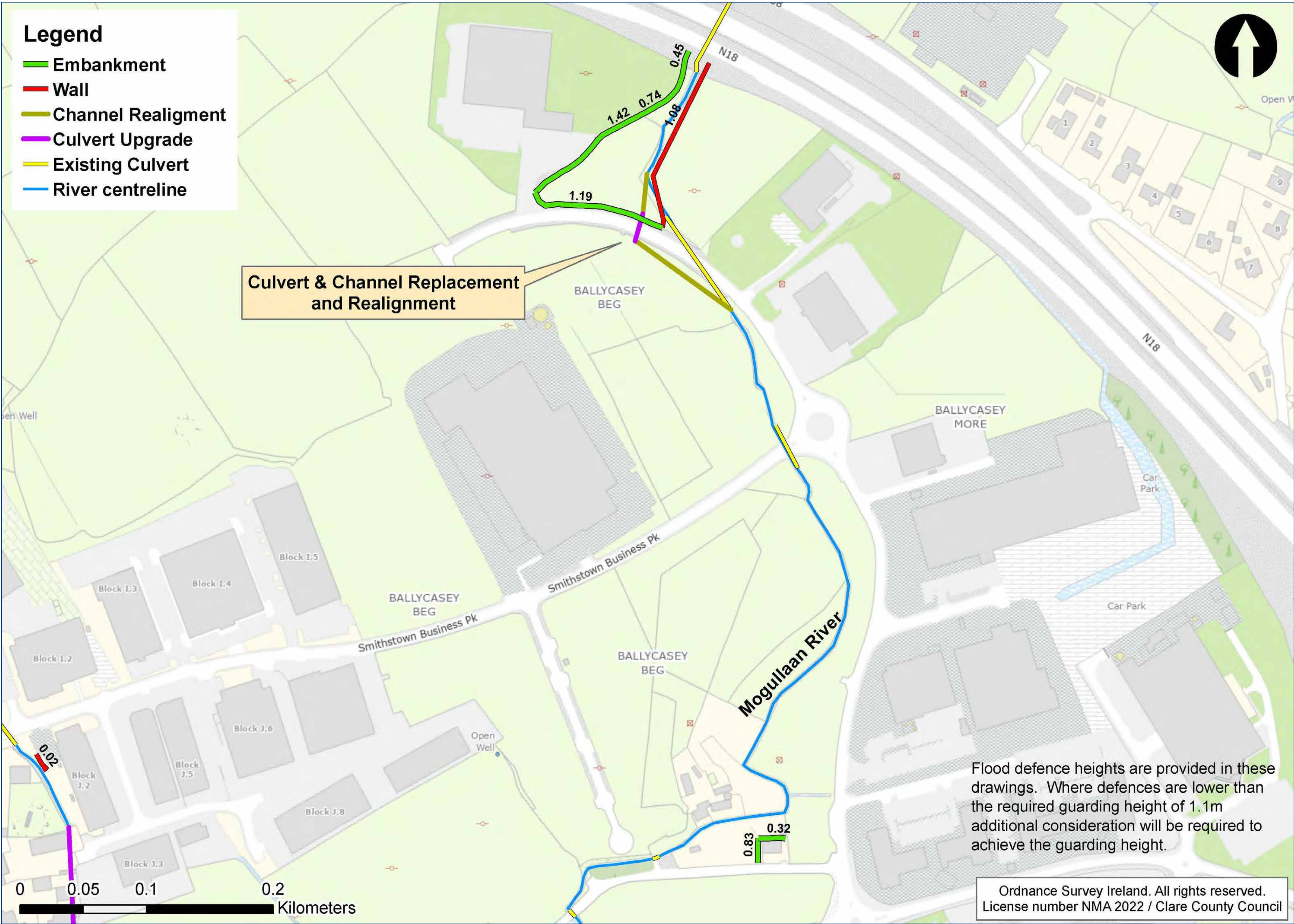
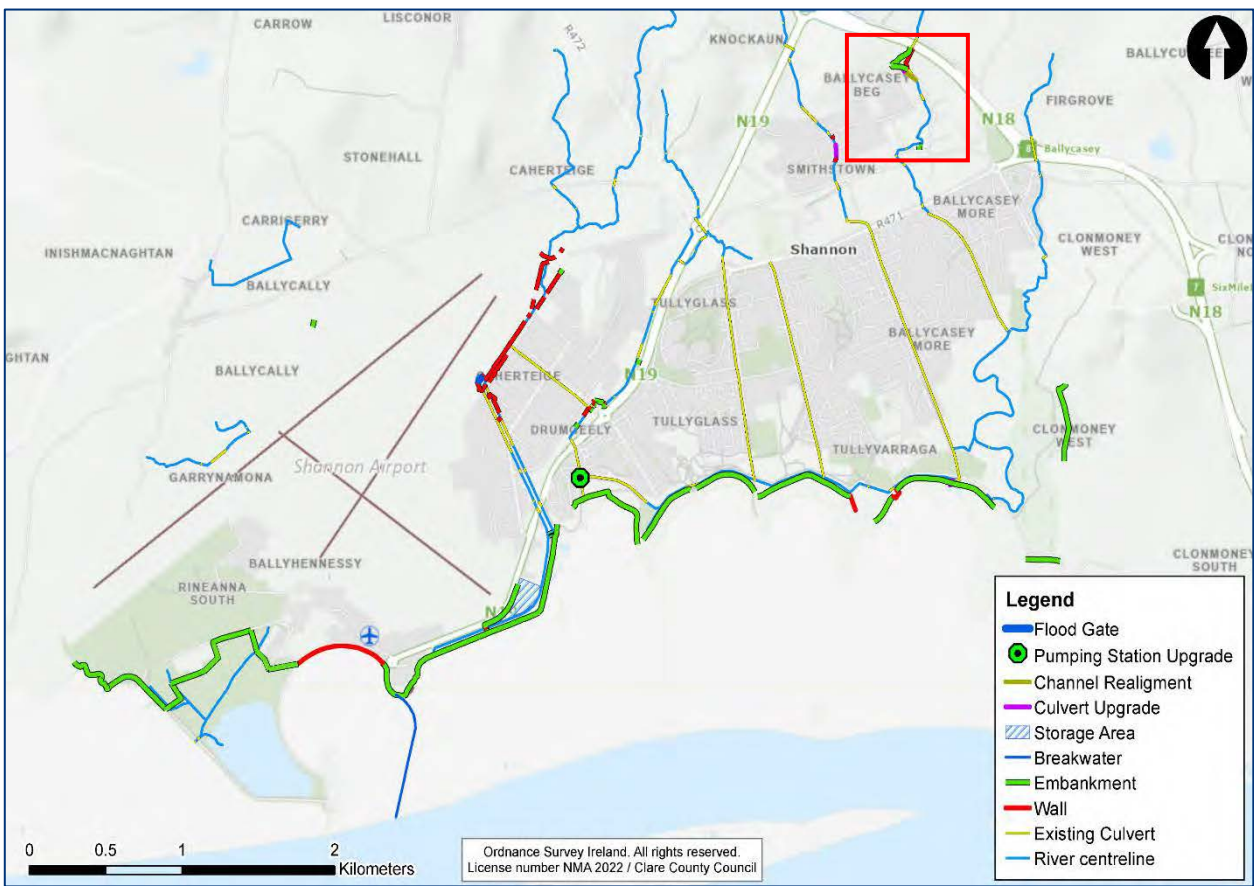


Shannon Town & Environs Flood Relief Scheme

Emerging Preferred Option

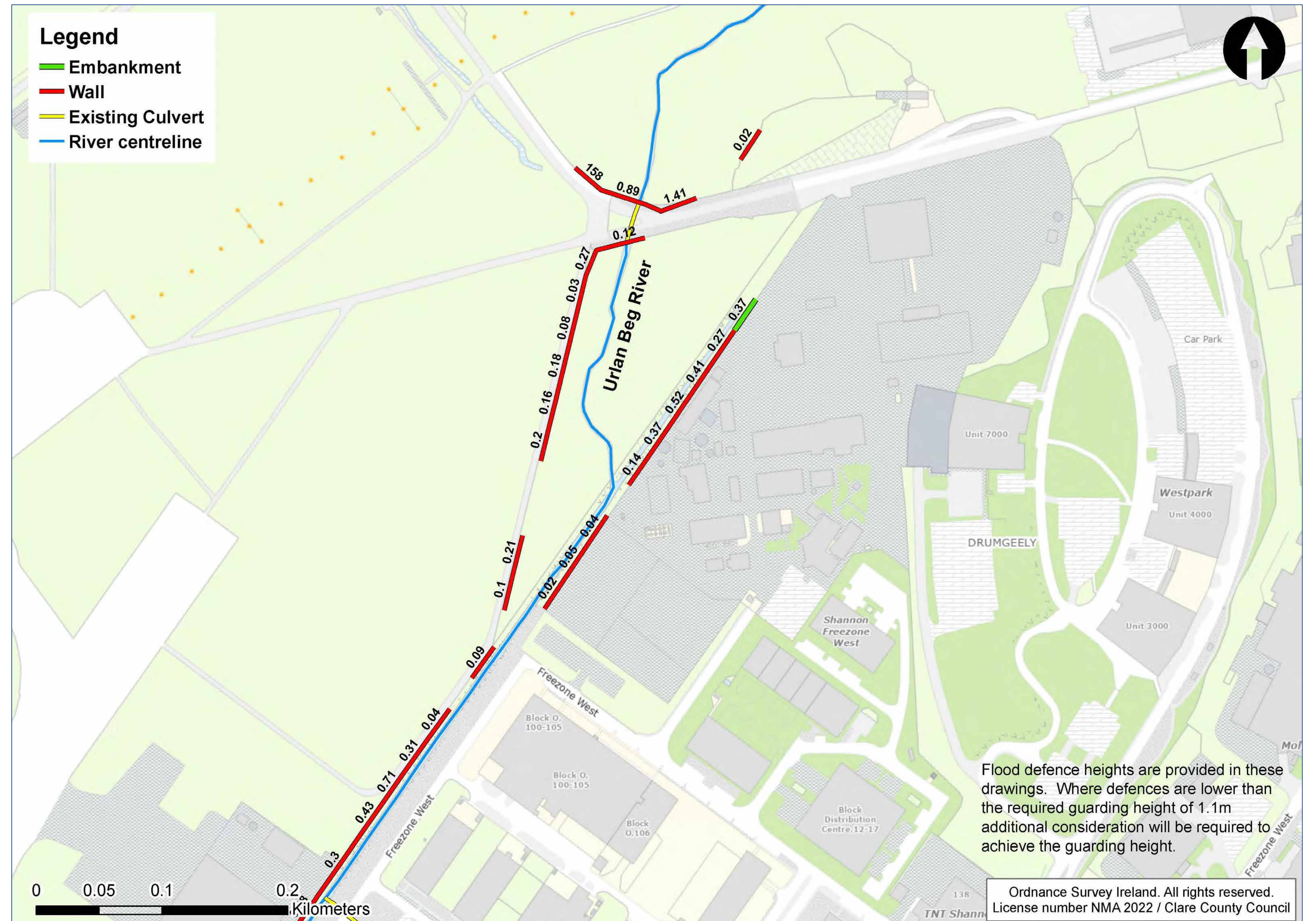
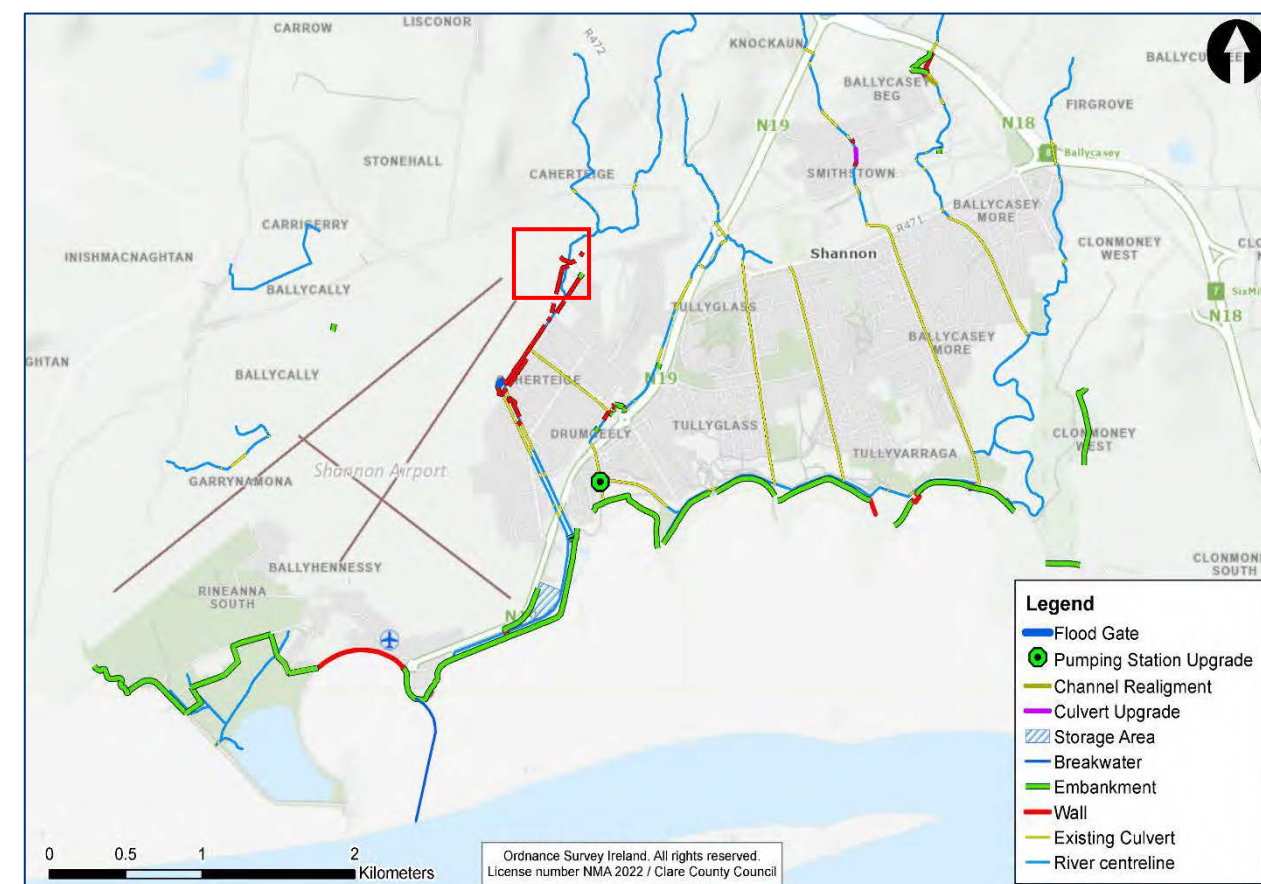
Embankments at Mogullaan

Note: Levels of defences refer to height above ground



Upstream hard defences on the Uralan Beg River

Note: Levels of defences refer to height above ground

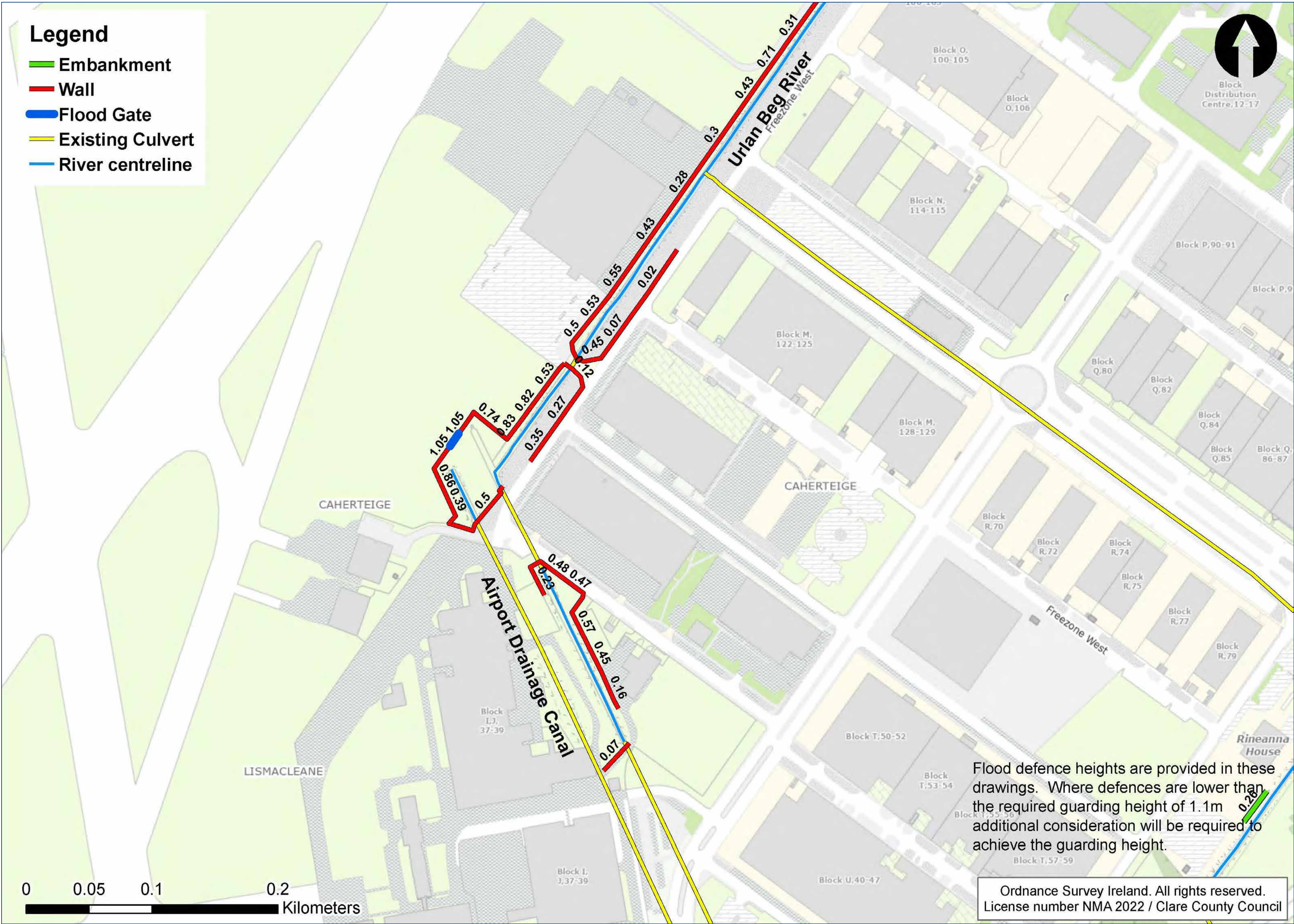
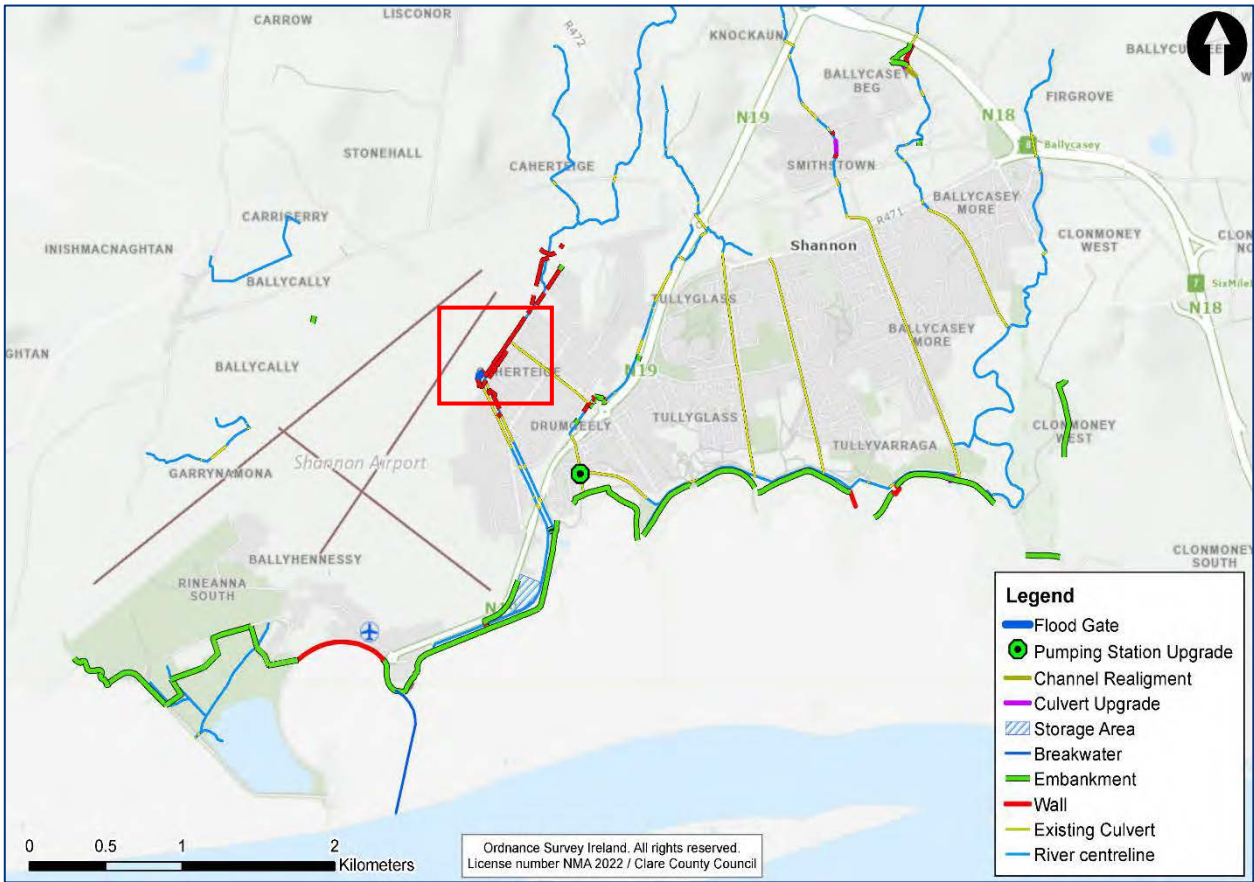


Shannon Town & Environs Flood Relief Scheme

Emerging Preferred Option

Hard Defences & Culvert Maintenance on the Urlan Beg River – Intermediary

Note: Levels of defences refer to height above ground

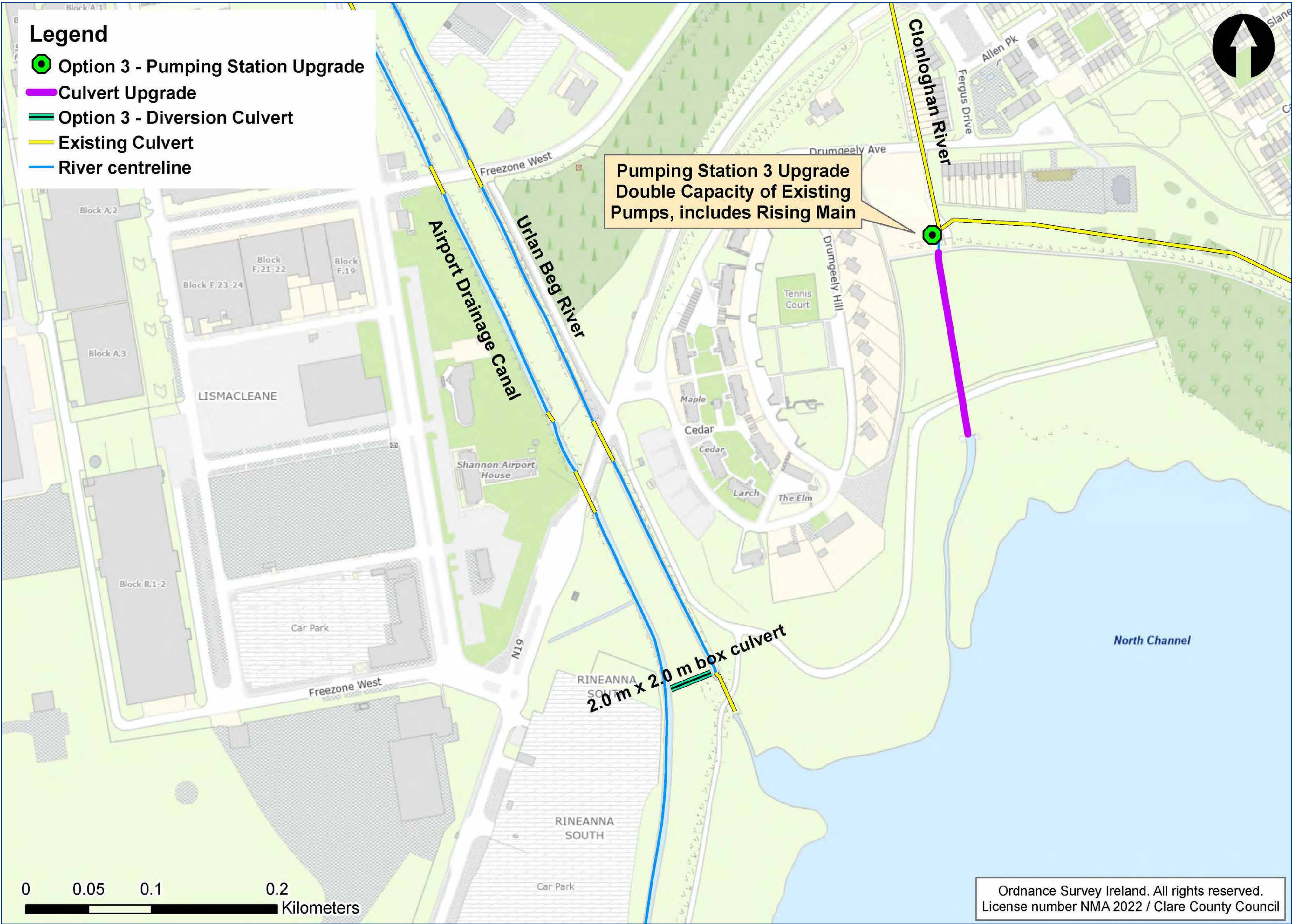
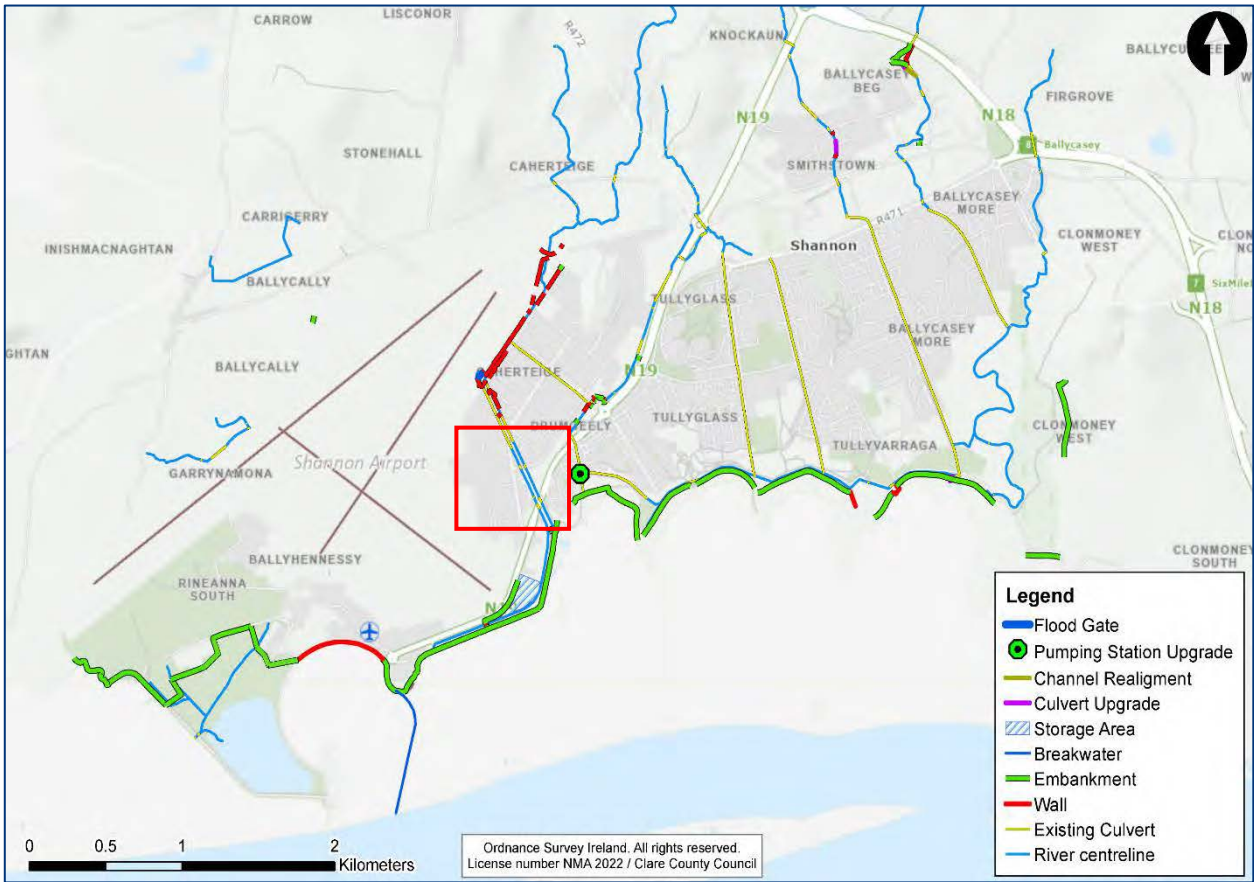


Shannon Town & Environs Flood Relief Scheme

Emerging Preferred Option

Culvert Maintenance and Diversion
Culvert on the Urlan Beg River –
Downstream

Note: Levels of defences
refer to height above ground

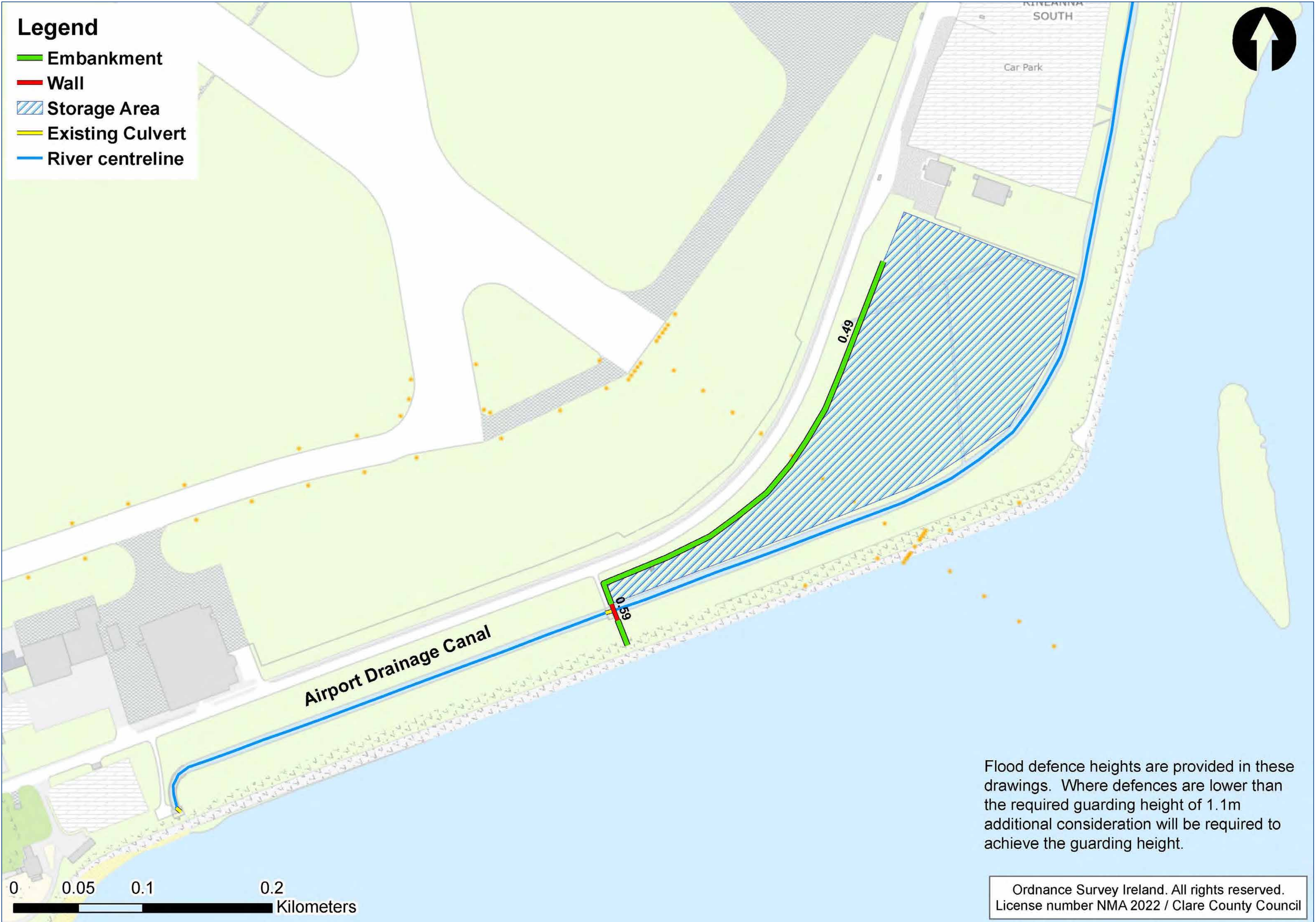
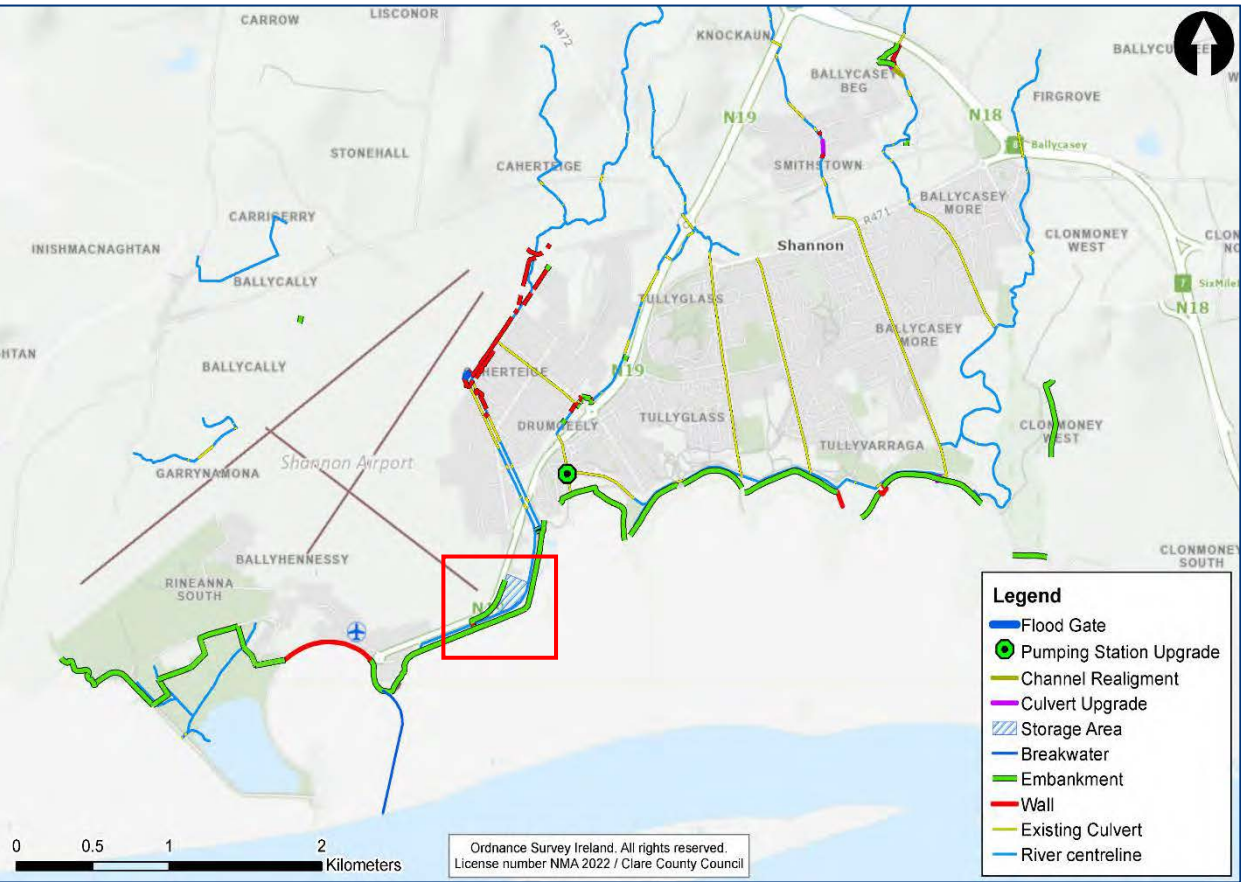


Shannon Town & Environs Flood Relief Scheme

Emerging Preferred Option

Flood Storage Area on the Airport Drainage Canal

Note: Levels of defences refer to height above ground

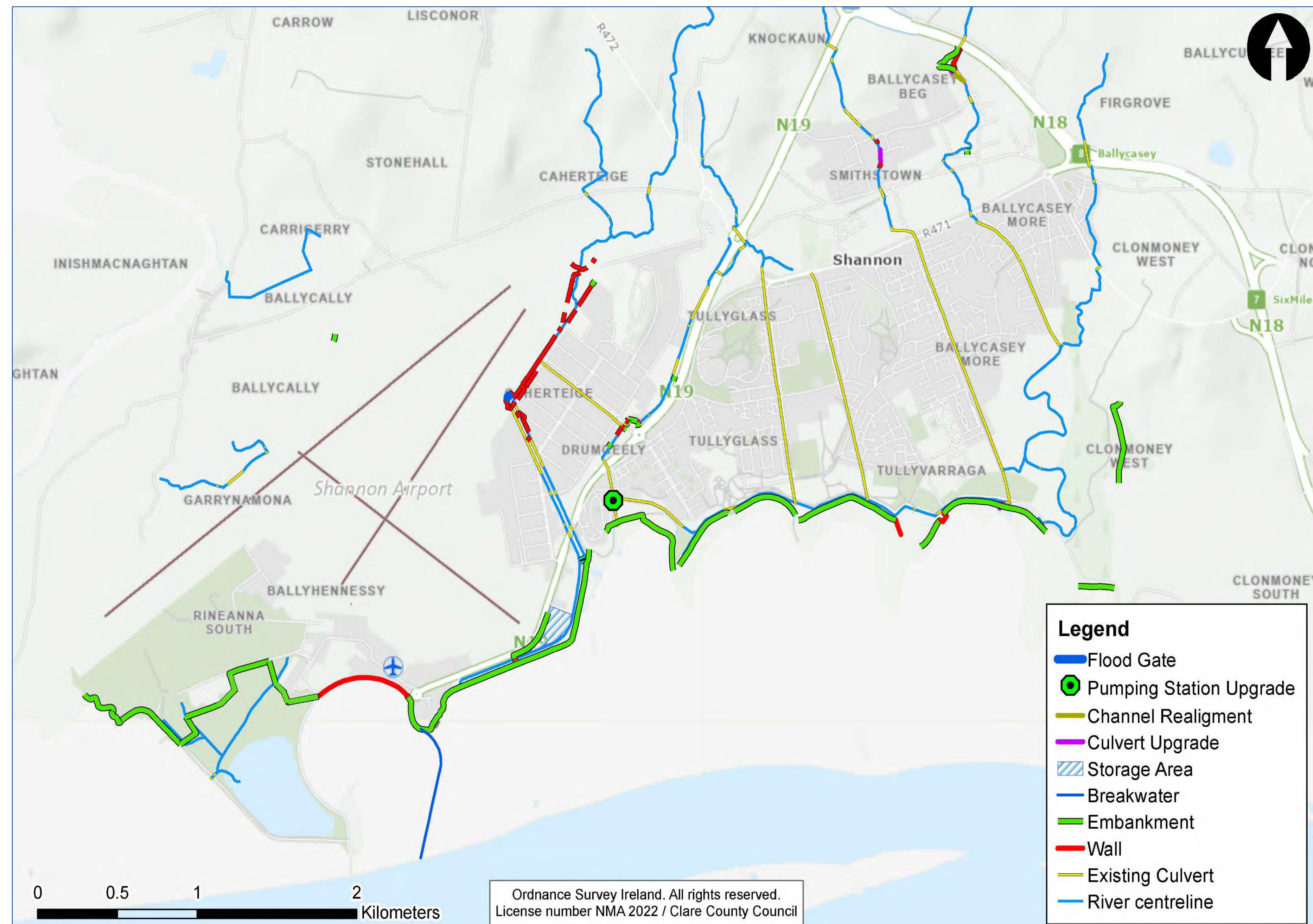


Shannon Town & Environs Flood Relief Scheme

Next Steps

Stage I: Options Assessment, Scheme Development & Design

- Finalisation of Options Selection Process
- Identification of Preferred Option
- Completion of Environmental Assessments
- Environmental Impact Assessment and Reporting (EIAR)



Preferred Option

Shannon Town & Environs Flood Relief Scheme

Next Steps

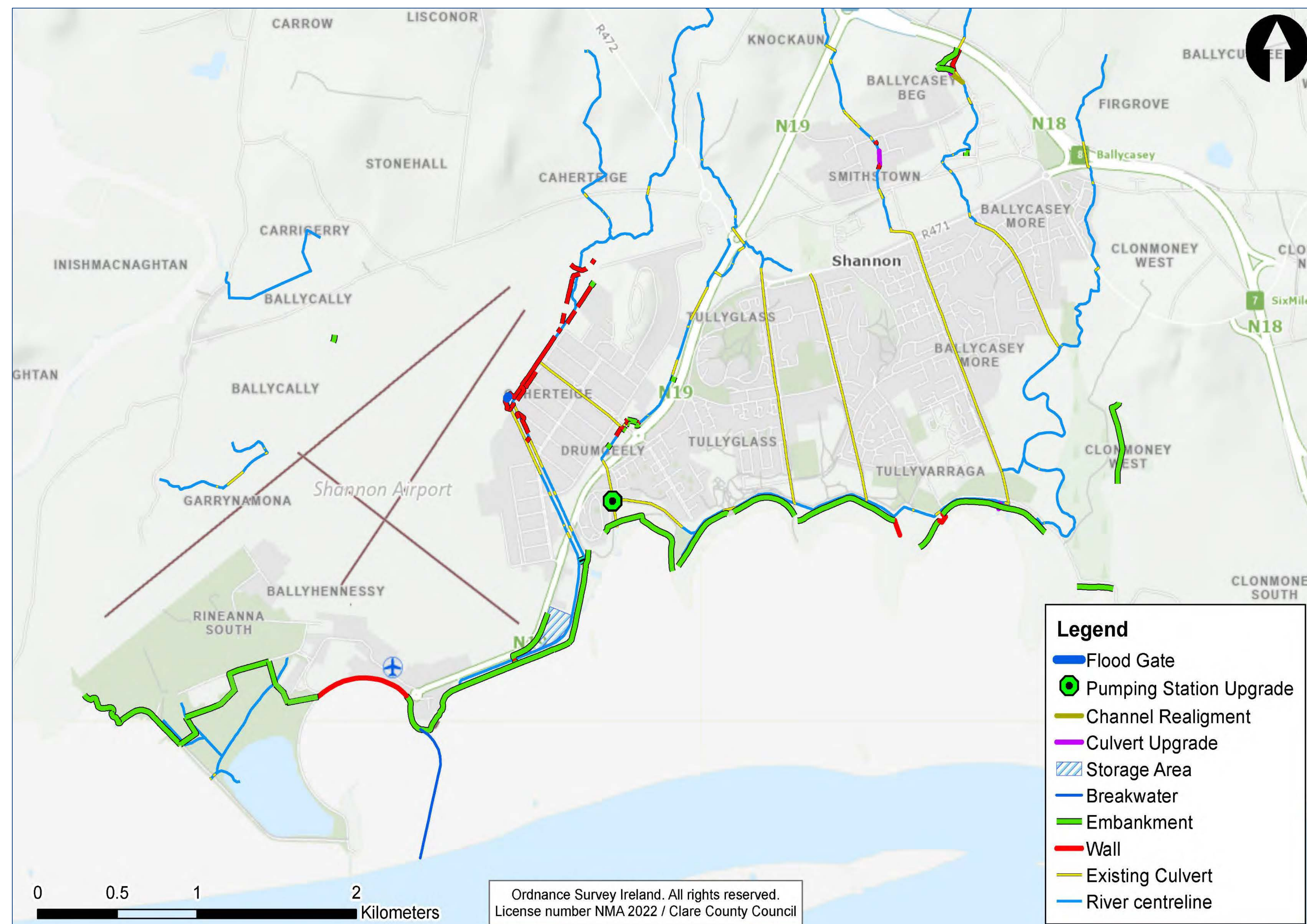
Stage II: Planning / Development Consent Process

- Public & Stakeholder Engagement
- Planning Permission
 - Planning Development Act
- CPO (if required)
- Other Statutory Processes

Stage III: Detailed Construction Design and Tender

Stage IV: Construction

Stage V: Handover of Works



Preferred Option

Shannon Town & Environs Flood Relief Scheme

High Level Programme

Stages	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035
Stage I: Option Assessment, Scheme Development and Design																
Stage II: Planning/Development Consent Process																
Stage III: Detailed Construction Design and Tender																
Stage IV: Construction																
Stage V: Handover of Works																

Planned activities (Subject to Change)



Progress to date



WEBSITE LINK



ONLINE FEEDBACK FORM