



Fluvial Defences

Pre-planning Public Consultation

23 Feb 2024



OPW  
Oifige na hOibreacha Poblaithe  
Office of Public Works



**BARRY**  
& PARTNERS  
consulting engineers

# Presentation Schedule

- Recap on scheme status
- Proposed scheme
- Planning documents
- Timeline
- Questions/ Discussions



# Project Team



- Clare County Council
- OPW
- JBA Consulting
- Various subconsultants and subcontractors

Clare County Council appointed the JBA Consulting/JB Barry JV team to assess, develop and design a **sustainable** flood relief scheme for Kilkee to a determined **Standard of Protection** that is **technically, socially, environmentally** and **economically** acceptable.



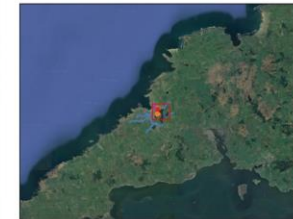
# Scheme Status Update

- In the early stages of Stage 2 (of 5)
- Preferred option presented to public in April 2023
- Feedback from PPD incorporated into decision making
- Have now developed a set of planning documents based on that preferred scheme ready for a planning submission.





# Atlantic Stream Preferred Option



Atlantic Stream Option 1

### Legend

- Bunding
- UpgradeScreen
- Wall Increase
- Areas benefiting from Option
- Flood Extents increased from option
- No change in flood extents



Drawn By: CD Date: 05/07/2022 Scale: 1:3,584  
Checked By: CJW Date: 05/07/2022 Original at A2  
Approved By: CJW Date: 05/07/2022  
Status: S1 Revision: P01  
Figure Title: Atlantic Stream Option 1

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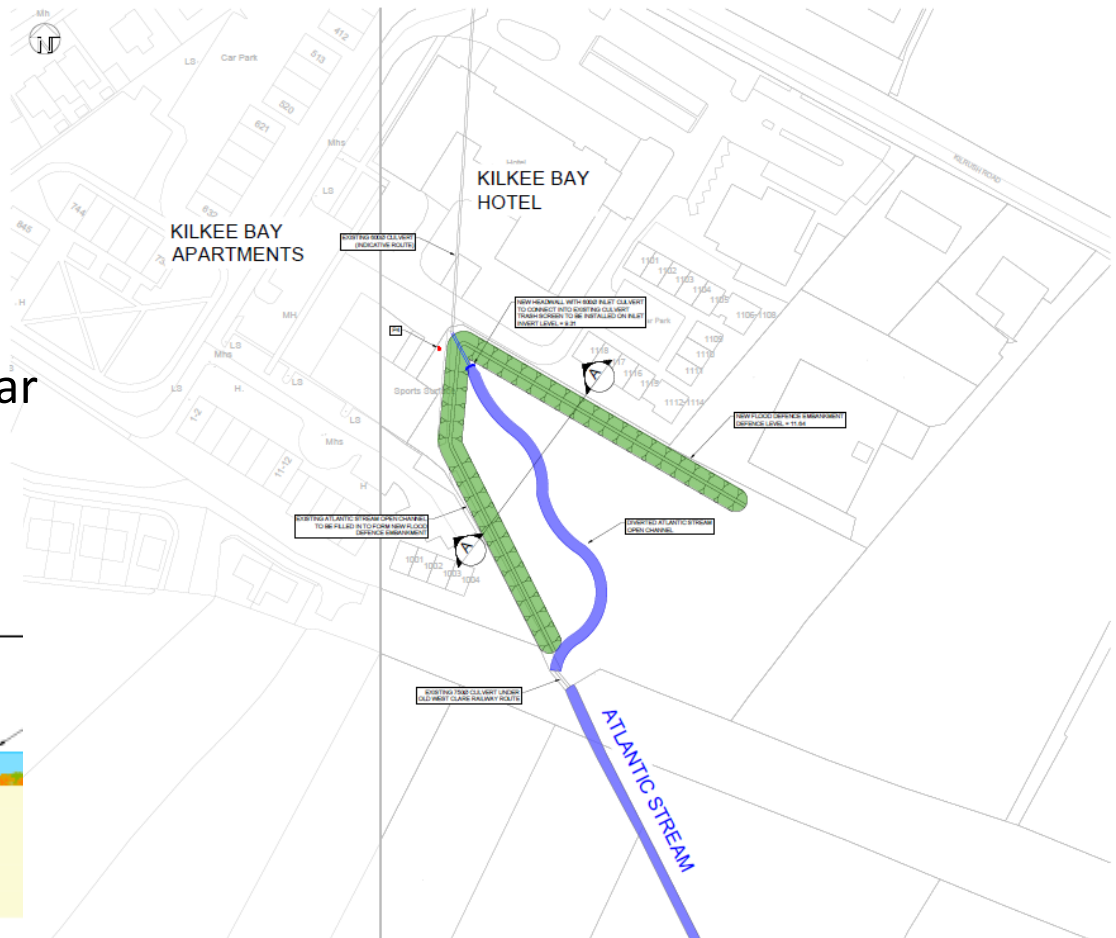
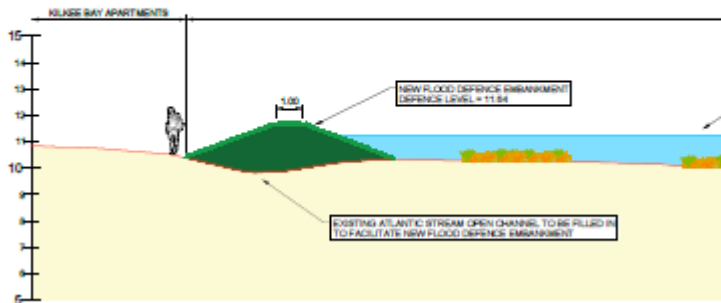


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# Atlantic Stream Preferred Option

## AREA 4 – KILKEE BAY HOTEL

- Realignment of existing stream
- New 1.6m high earth embankment
- Depth of water in 100 year event: 1-1.2m





# Atlantic Stream Preferred Option





# Atlantic Stream Preferred Option

PHOTOMONTAGE VIEW



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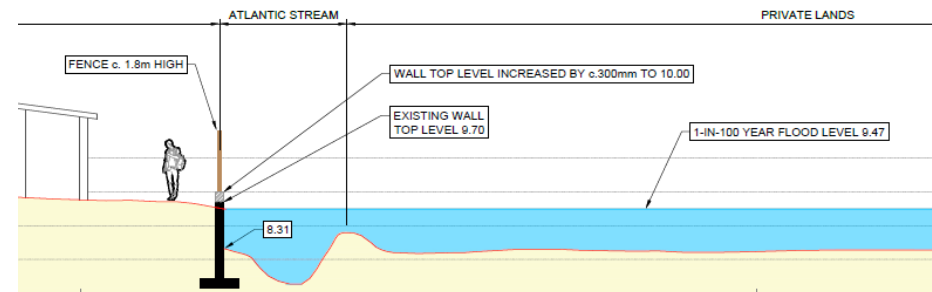
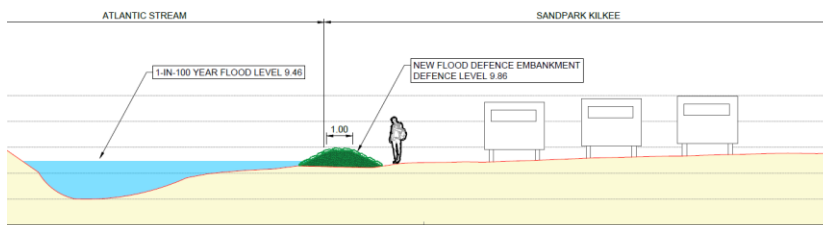
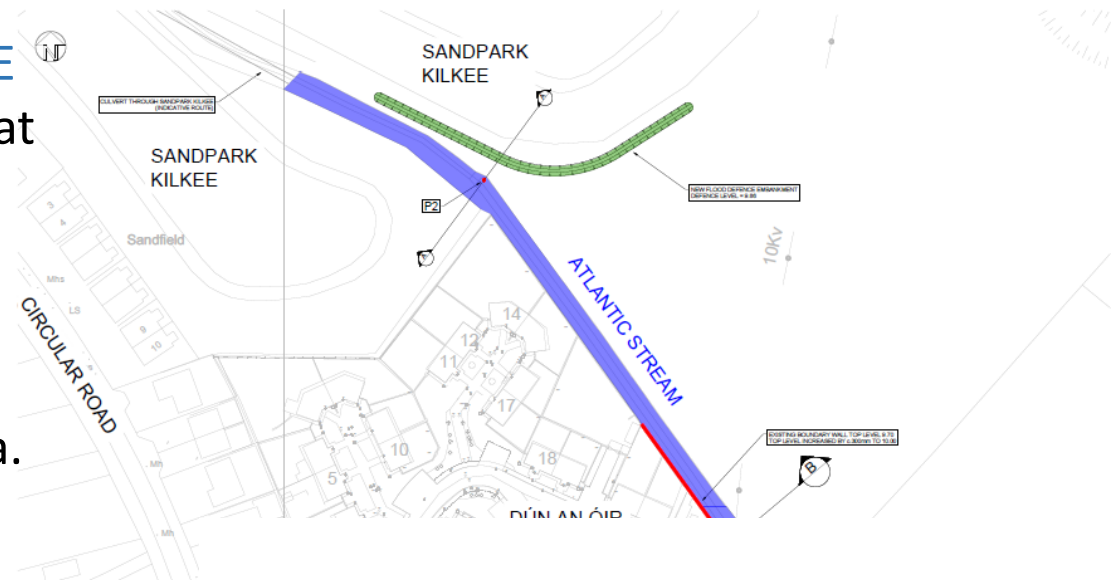
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# Atlantic Stream Preferred Option

## AREA 5 – DUN AN OIR ESTATE

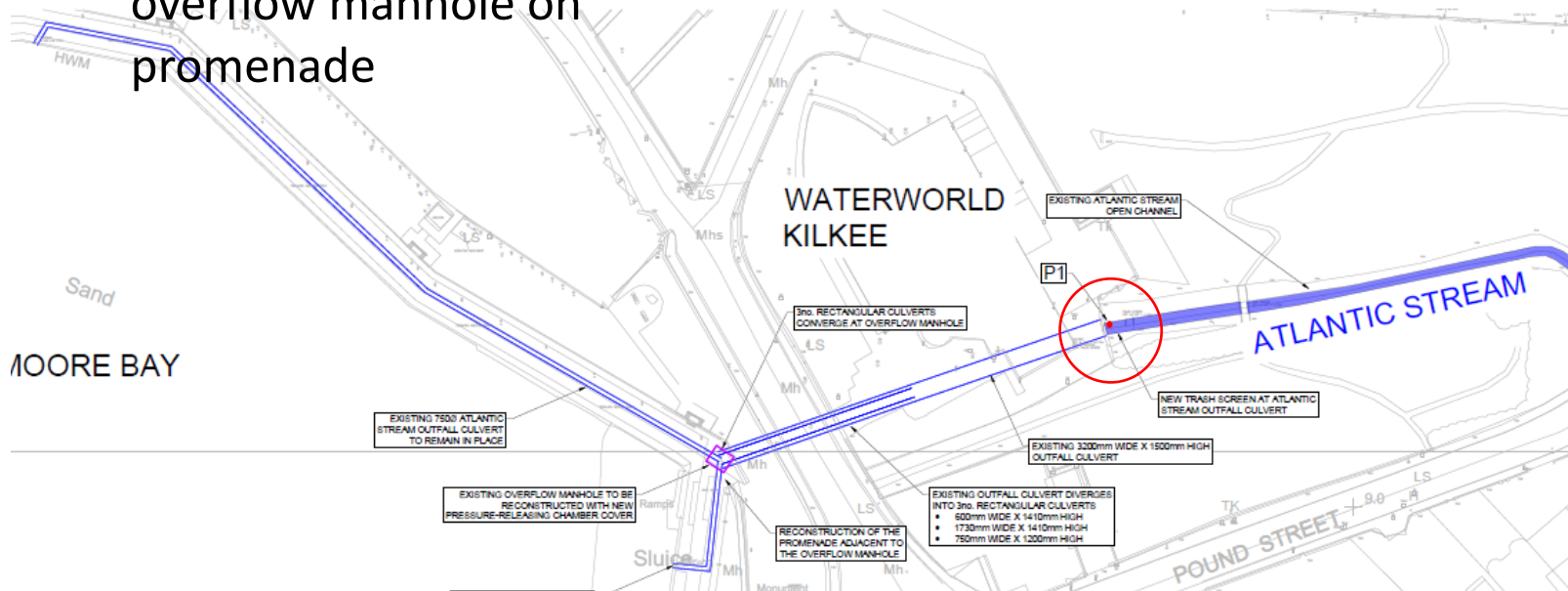
- New earth embankment at Sandpark
- New 0.7m high earth embankment
- Increase in wall height at rear of properties by circa. 300mm



# Atlantic Stream Preferred Option

## AREA 6 – WATERWORLD

- New trash screen at inlet to culvert
- Amendment of existing overflow manhole on promenade



# Atlantic Stream Preferred Option



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# Atlantic Stream Preferred Option



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# Atlantic Stream Preferred Option



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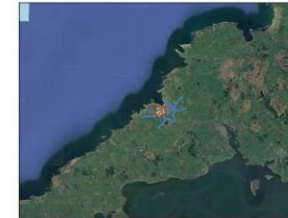
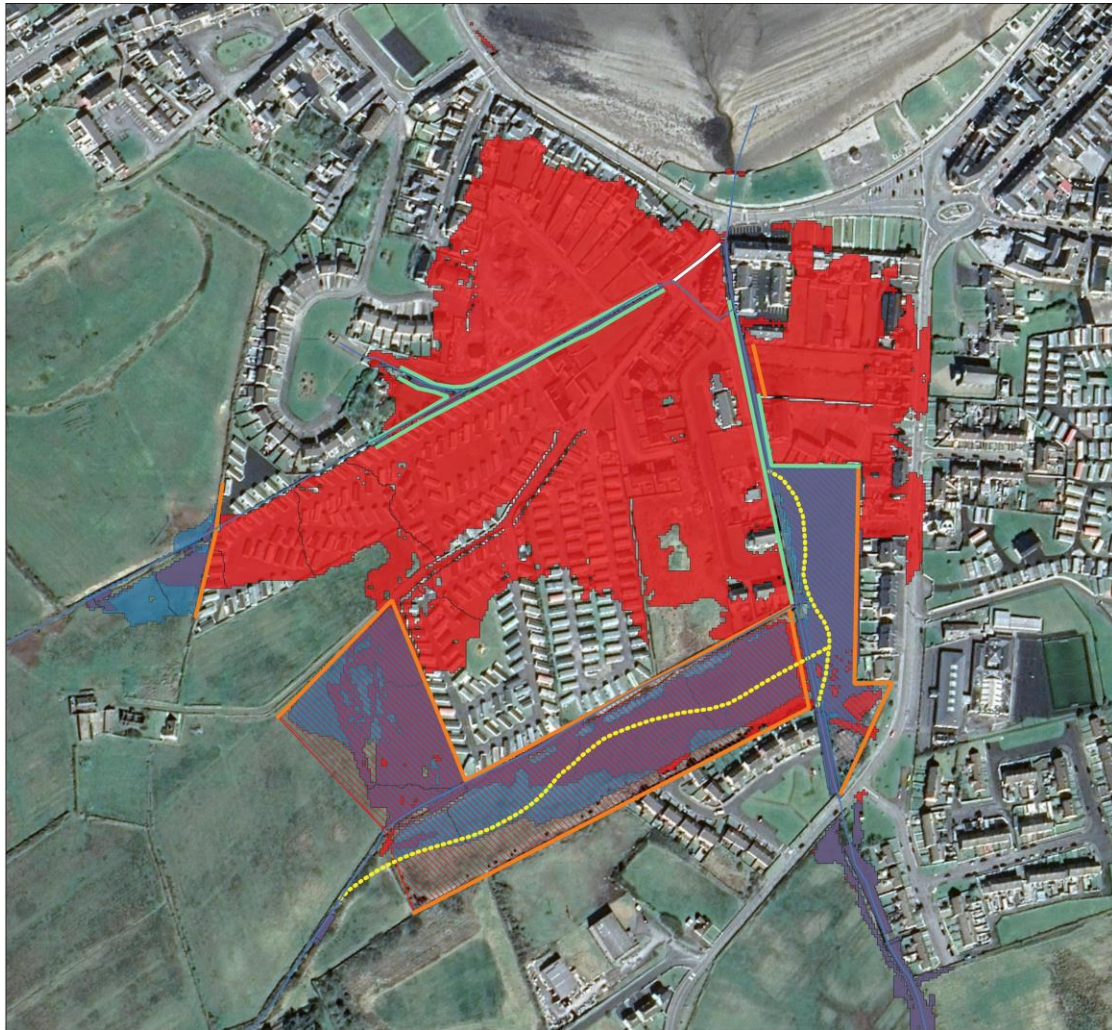
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







# Victoria Stream Preferred Option



Victoria Stream Option 1

### Legend

-  Channel Diversion
-  Channel realignment
-  Embankment
-  Wall
-  Retained Floodplain
-  Storage
-  Flood Extents increased by Option
-  Areas benefiting from option
-  No change in flood extents



Drawn By: CD Date: 05/07/2022 Scale: 1:1,792  
 Checked By: CJW Date: 05/07/2022 Original at A2  
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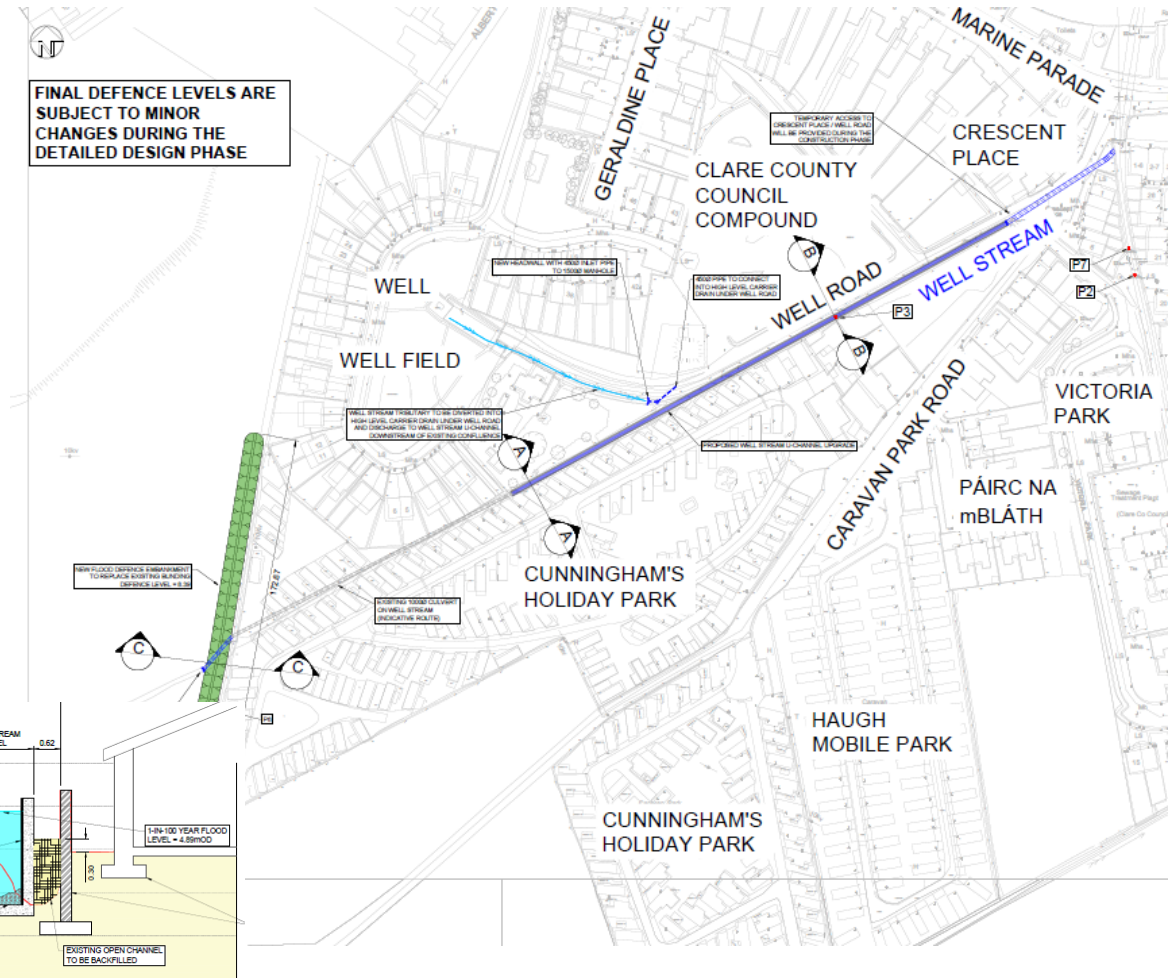
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# Victoria Stream Preferred Option

## AREA 1 – WELL ROAD

- New 1m Embankment upstream of Well Field
- Existing stream to be upgraded to concrete channel



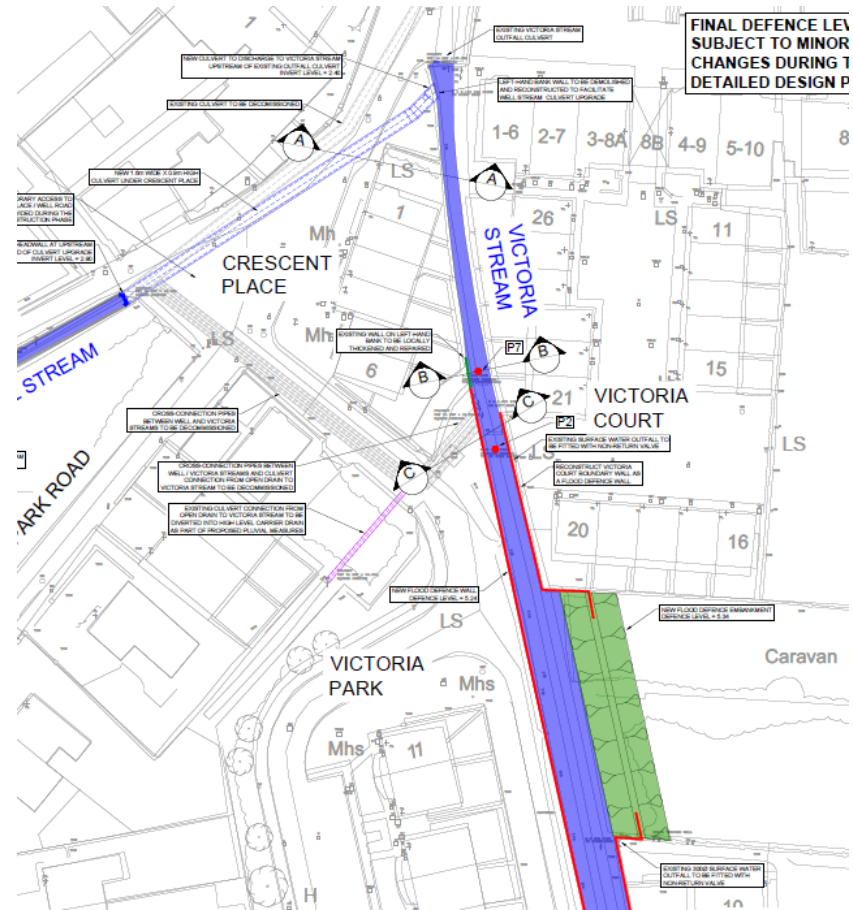
SECTION B-B RECONSTRUCTED WELL STREAM



# Victoria Stream Preferred Option

## AREA 2 – VICTORIA COURT

- New culvert connecting Well Stream to Victoria Stream
- New 0.8m Earth Embankment on opposite bank of Victoria Park
- New wall at property 20 Victoria Court
- New flood defence wall on Victoria Park bank

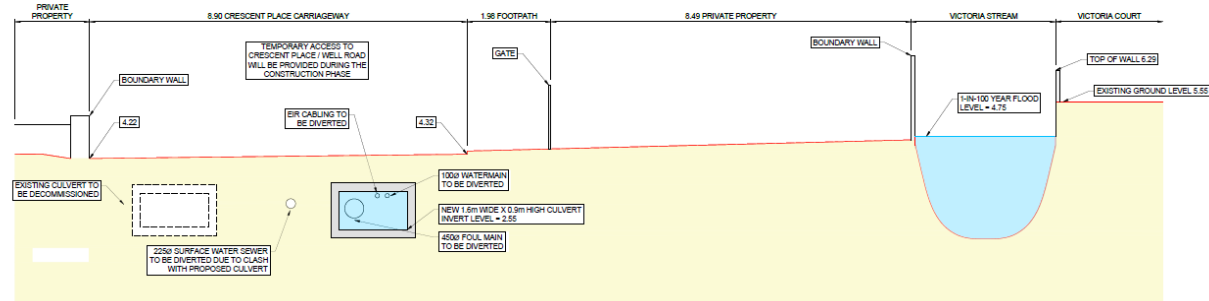
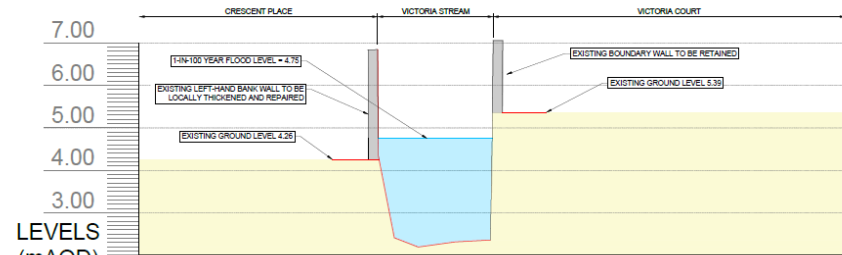
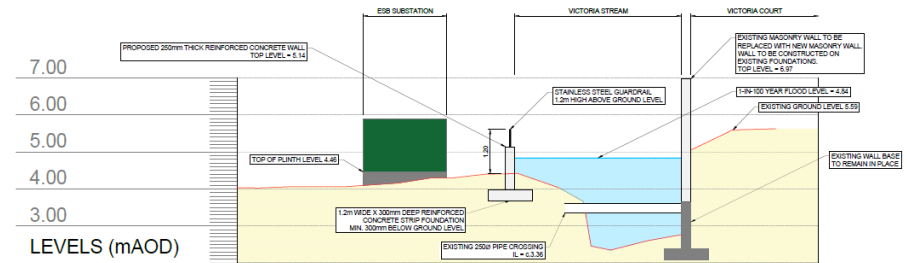




# Victoria Stream Preferred Option

## AREA 2 – VICTORIA COURT

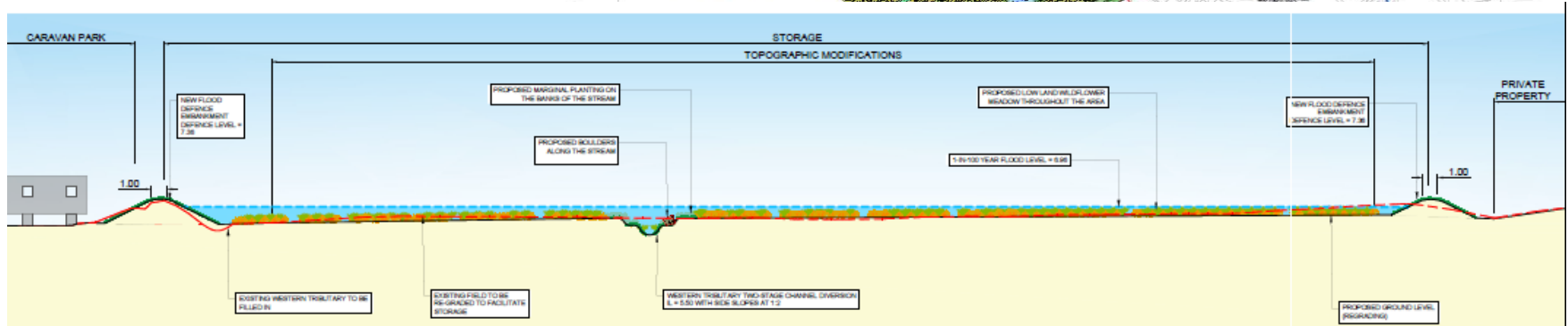
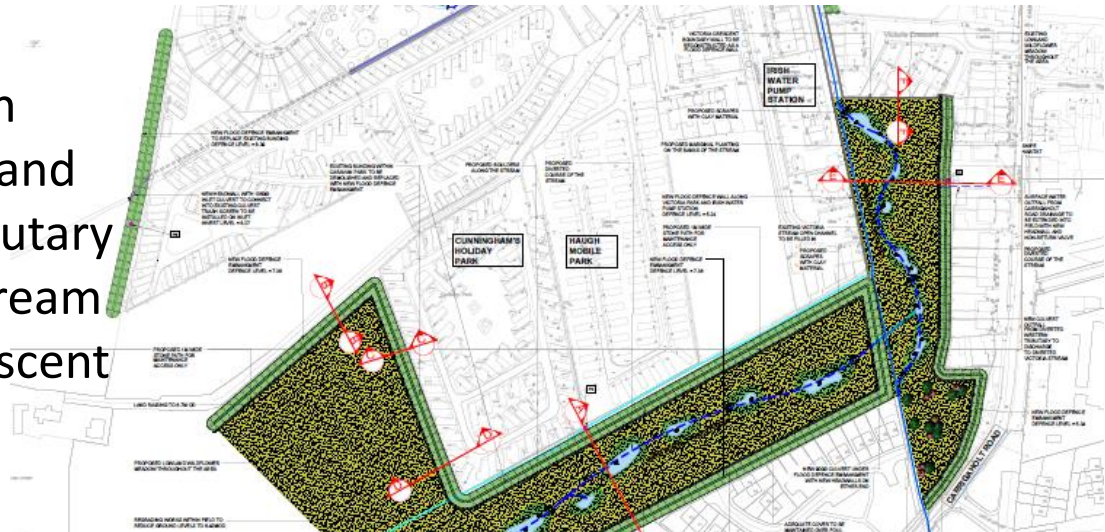
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# Victoria Stream Preferred Option

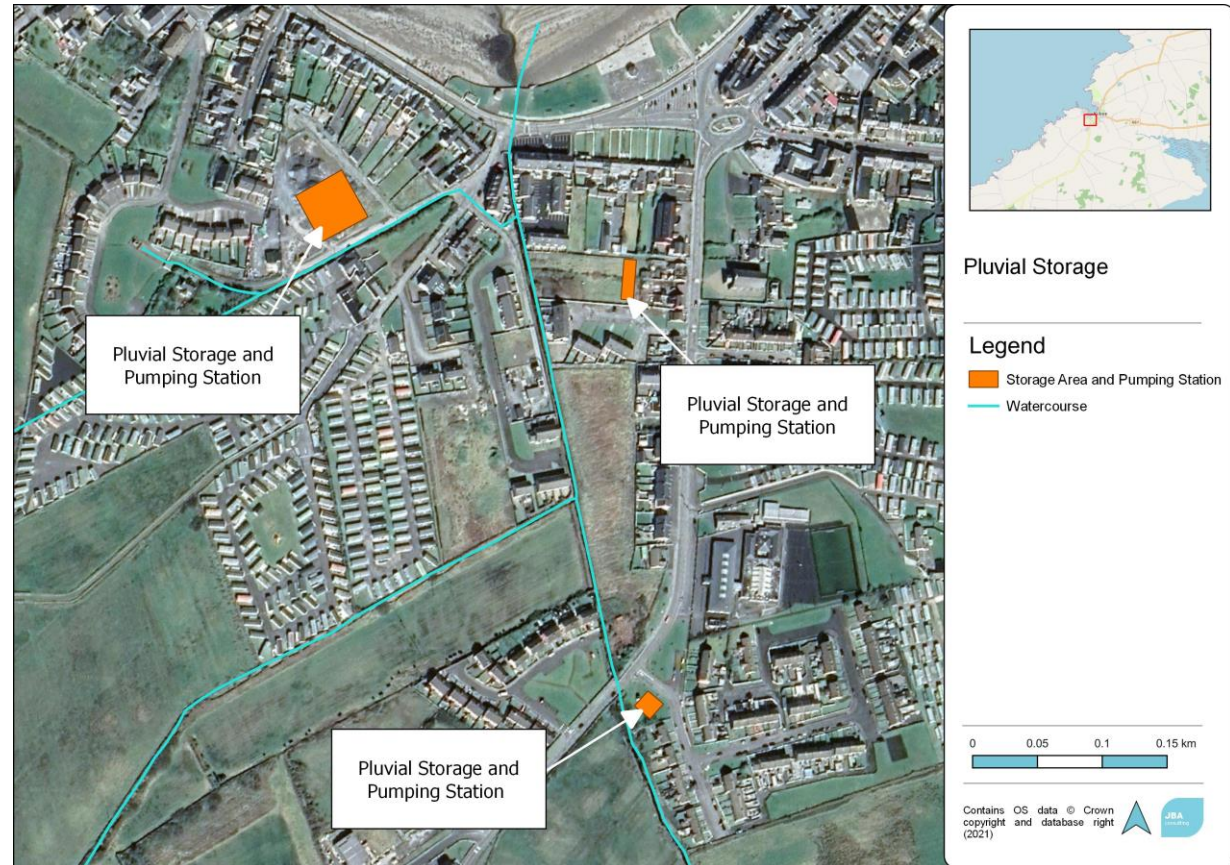
## AREA 3 – WETLAND/CHURCH ROAD

- Earth Embankments on perimeter of new wetland
- Realigned western tributary stream and Victoria Stream
- Rebuild of Victoria Crescent boundary walls
- Water quality and



# Pluvial Scheme

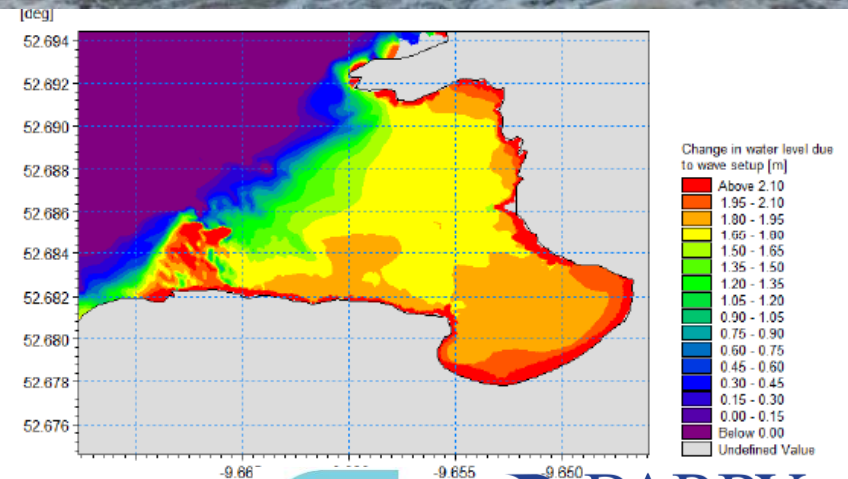
- Storage of stormwater is required as part of the scheme to prevent pluvial flooding from occurring as a result of surcharged networks
- Storage areas and pump stations are required as part of all three options





# Coastal Scheme

- Being progressed independently to fluvial scheme
- Work done so far:
  - Beach surveys to assess sand depth changes
  - Coastal wave and water level modelling study
  - Wave impact assessments of existing structures ongoing



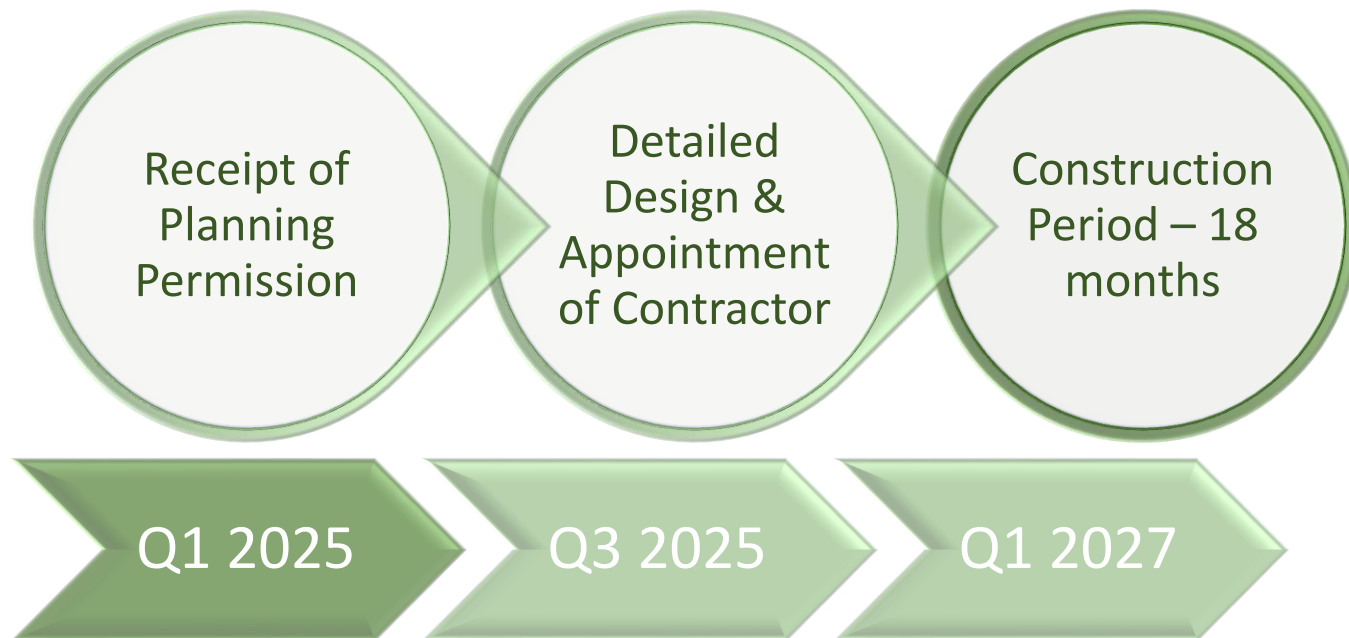
# What next?

# Planning Road Map





# Estimated Construction Timeframe



# Your opportunities to take part



- At this stage of the project it is important that we have the opportunity to listen to the views of those who will be living and working near the scheme
- Questionnaire forms are available and can be completed today or returned by 28<sup>th</sup> April where possible
- You can also find out more about the project in the following places and queries or comments raised through these media:

Website

[www.kilkeefrs.ie](http://www.kilkeefrs.ie)

Email

[info@kilkeefrs.ie](mailto:info@kilkeefrs.ie)



# Thank you

# Any Questions?