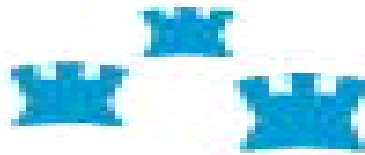


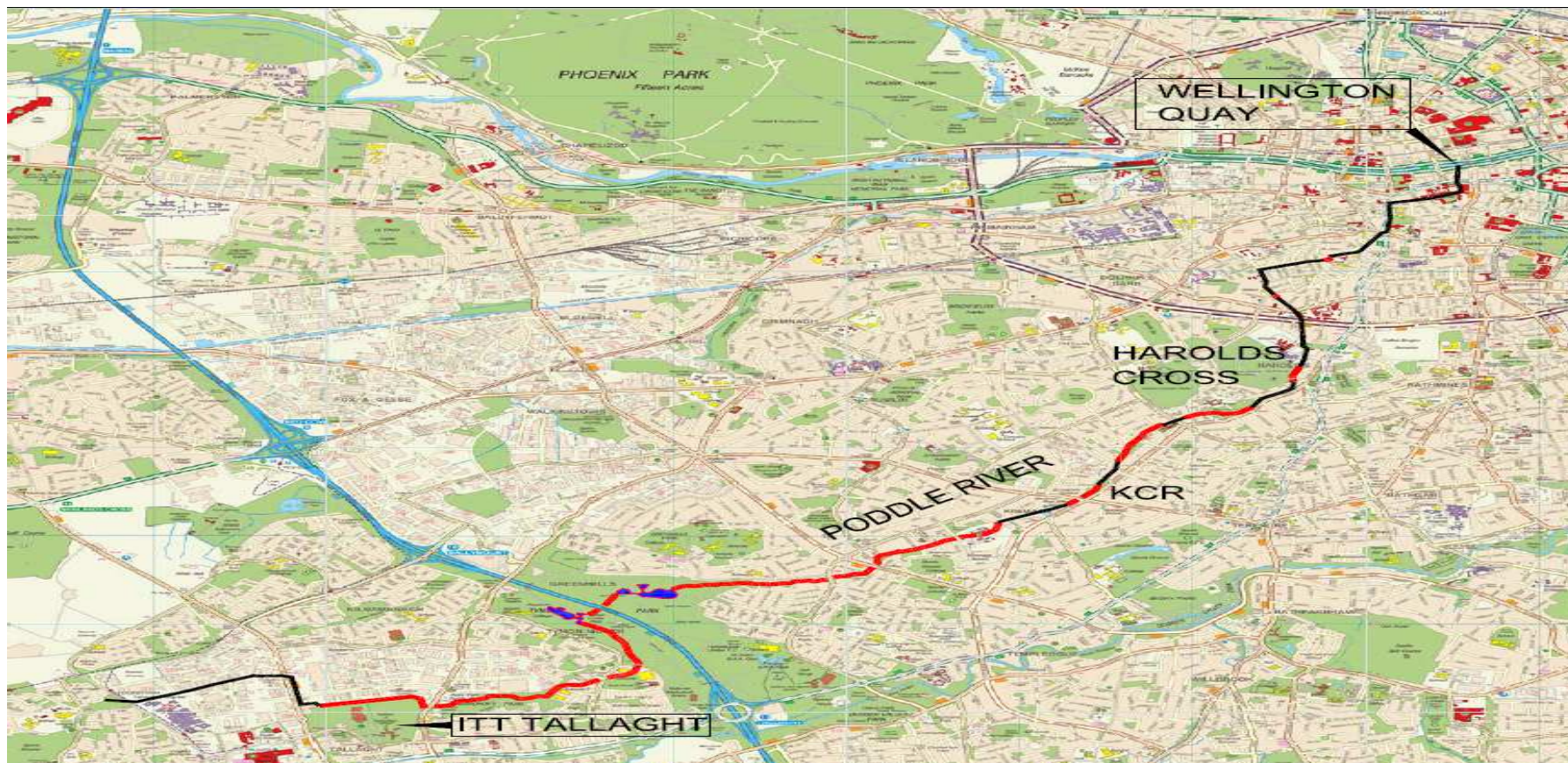
# River Poddle Flood Alleviation Scheme

Presentation to DCC South Central Area Committee 8<sup>th</sup> October  
by Gerard O'Connell, Senior Engineer (A)  
and David Grant Poddle Project Resident Engineer



# oute

m in length  
es in Tallaght flowing through Tymon Park, KCR, Harold's Cross,  
ckpitts and discharges at Wellington Quay



# History



- Associated with the naming of Dublin
- Main Water Supply for Dublin up to 13<sup>th</sup> Century
- Played a major role in the social and economic growth of Dublin where it served unto 52 Mills and Commercial Enterprises along its route
- 15 other Watercourses associated with its network
- Heavily urbanised watercourse

## Recent Flood Events

- 24/10/2011 – 90mm of rainfall in 6 hour period – Major flooding in Kimmage, Harold's Cross, Mount Argus, Mount Jerome and Gandon Close. Over 50 properties flooded. One loss of life.
- 05/09/2008 – 58mm of rainfall over 11 hour period in Kimmage area
- 06/11/2000 – 103mm of rainfall in 48hr period. Banks broken in Kimmage area
- 25/08/1986 – Hurricane Charlie – 80 Households and 5 Commercial Properties affected



# Photos 2011 Flood Event



# ver Poddle Flood Alleviation Scheme



- Devised from 2011 Eastern CFRAM Study
- Tri-Agency Input – OPW, DCC and SDCC
- Consultant Appointed in March 2018 – Nicholas O’Dywer Ltd
- Containment of water upstream of City



# Proposed Scope of Scheme

- Main intervention area from Tymon Park to Harold's Cross
- Combination of raised Earth Embankments and Hard Defences
- Some re-alignment of River Channel
- Non Return Flap Valves
- Assessment of Drainage Networks
  - Manhole Sealing
  - Culvert Cleaning
  - Upgrading of access to Grand Canal Siphon
- Replacement of Weirs and Review of Culvert Screens
- Maintenance Plan

# Main Elements of Proposed Works

## Earth Embankments:

- 127m along the river at Tymon Castle
- 284m around Tymon Lake in Tymon Park
- 135m along river at Whitehall Park and Glendale Park

## Hard Defences:

- 453m between Limekiln Rd and Wellington Lane
- 367m between Wellington Park and Wainsfort Manor
- 245m between Glendale Park and Kimmage Manor
- 255m at Ravensdale Park
- 223m at Poddle Park
- 291m between Bangor Rd and Mount Argus



# Current Milestone Dates

- Preliminary Design – 27/10/2018
- Public Exhibitions – 03-14/12/2018
- Submit Part 10 Documents to ABP – 25/01/2019
- Planning Period – 28/01/2019 to 12/07/2019
- Detailed Design – 03/12/2019 – 01/07/2019
- Tender Stage – 23/09/2019 – 20/12/2019
- Construction Stage – 26/03/2020 – 26/03/2022
- Handover Date – 23/07/2022

ALL DATES FROM JANUARY 2019 ARE SUBJECT TO PLANNING APPROVAL FROM ABP

## Current Status

- Hydraulic Modelling and Hydrological Analysis completed
- Selected CCTV and Manhole Surveys completed
- Rainfall and Flow Monitoring Surveys completed
- Structural Condition Surveys completed
- Project Website Live [www.poddlefas.ie](http://www.poddlefas.ie)
- Environmental Screening and Assessment commenced
- Topography and Threshold Surveys to start October 2018
- Site Investigation Surveys to commence Oct/Nov 2018
- Proposed Scheme Launch Date October 24th



**Thank You**

**Any Questions?**