

# Deansgrange Flood Relief Scheme



## NEWSLETTER NO. 1

June 2020



**OPW** Oifig na  
nOibreacha Poiblí  
Office of Public Works

**BARRY**  
& PARTNERS

**JBA**  
consulting

## Background to the study

The Deansgrange catchment, the land that drains to the Deansgrange River, is a relatively long and narrow area, approximately 6km long and 1.5km wide on average, stretching from Deansgrange in the north-west to Loughlinstown in the south-east. The river is culverted in two different sections, under the Kilbogget Park landfill site and under the Seafield and Bayview Estates.

Several areas of the lower catchment, including Seafield Court, Killiney Hill Road and Achill Road, suffer from regular flooding. The recently completed Eastern Catchment Flood Risk Assessment and Management (CFRAM) Study Area concluded that a flood relief scheme would be viable and effective for the community (can be viewed online at [www.floodinfo.ie](http://www.floodinfo.ie)).

## Appointment of JBA Consulting and JB Barry & Partners

With this in mind, Dun Laoghaire Rathdown County Council (DLRCC), along with project partners the OPW, have appointed the joint venture team of JBA Consulting and JB Barry & Partners to assess, develop and design a viable, cost-effective and sustainable flood relief scheme which aims to minimise risk to the community, social amenity, environment and landscape character.

## Information needed from the public

Although we have a lot of information about previous flood events and community consultation undertaken during the preparation of the CFRAM Study, we are still interested in receiving photos, videos and stories about previous flood events from those who experienced it first-hand. This information will help us refine our river model and give greater confidence in the design of the flood relief scheme. Our contact details are included on the rear of this newsletter.

## Progress to date

In the five months since we were appointed, the team has begun a data collection exercise with a focus on analysing the recent flood events and site conditions. This is making use of river level gauges installed since the CFRAM study and rainfall records for the period, including Met Éireann radar data. We have started to refine a computer model of the



Kilbogget Park

drainage networks, the rivers and flood extents in the Deansgrange Catchment. With all this information we will develop the CFRAM study and analyse the extreme flooding events that have occurred and could happen in the future.

We have also completed a Constraints Study to gather initial information on the presence and significance of manmade and environmental features and their potential impact on the Flood Relief Scheme within the study area.

In tandem with this study DLRCC are shortly (subject to funding from the OPW) progressing with the Kilbogget Park Flood Storage Project. This will involve the construction of a large granite clad concrete screen structure at the downstream end of the wetlands. The structure will constrict water flow from entering the long culvert under the playing fields and allow flood water to build up safely in the wetland areas. As the severe rainfall event passes the floodwaters are slowly released downstream. This flood storage project will provide a reduction in flood risk to properties downstream whilst the catchment wide alleviation measures are implemented following on from a full option appraisal and cost benefit analysis.

## Next Steps

- Continued Data collection and review
- Public Consultation Day – July 2020 (dependent on covid-19 restrictions)
- Further surveys – including condition assessment of existing culverts, topographic survey and environmental surveys
- Hydraulic Modelling to determine flood extents, depths and options development
- Options Development

## Outline Scheme Programme

Activity	2020	2021	2022	2023
Assemble all the available data	■			
Environmental Constraints Study	■			
Site Investigation contracts		■		
Options Development		■		
Ecological and Environmental Assessments		■		
Preparation of planning submission		■		
Planning Application			■	
Detailed Design			■	
Tender Process			■	
Construction Works			■	■

Key: JBA/JBB led activities (Blue), Third party activity (Green), Ongoing/completed (Yellow), Ongoing/completed (Dark Blue)

## Contact Us

In addition to these regular Newsletters you can also keep in touch with the project through our website, where we will be posting updates on progress and details of works that are ongoing.

Project Specific Website: [www.deansgrangefrs.ie](http://www.deansgrangefrs.ie)

Project Offices: JB Barry & Partners, Classon House, Dundrum Business Park, Dublin

Phone: 01 485 1400

Email: [info@deansgrangefrs.ie](mailto:info@deansgrangefrs.ie)