

#### ENVIRONMENTAL IMPACT ASSESSMENT:

The Environmental Impact Statement presents the results of environmental assessments which have been completed in relation to the proposed development. The assessments have identified significant positive impacts in terms of flood risk and public health and safety.

Negative impacts have generally been identified as temporary and associated with the 'construction phase' of the project. These would include impacts on traffic, local economic activity, disturbance from construction operations through increased noise and dust, and localised impacts on water quality, public amenities.

#### YOUR OPPORTUNITY TO TAKE PART

The Office of Public Works wishes to consider all viewpoints in relation to the Preferred Option being exhibited. The EIS and Drainage Scheme drawings will be on exhibition for six weeks in the offices of Cork City Council and Cork County Council from Monday 12<sup>th</sup> December 2016 to Friday 20<sup>th</sup> January 2017 and are available to download from [www.lowerleefrs.ie](http://www.lowerleefrs.ie) or in CD format from the Office of Public Works, Flood Projects Management Services, 52 St Stephen's Green Dublin 2.

Representatives of the Office of Public Work's Design Team and Environmental Consultants will be in attendance at Cork City Hall, Cork on the below dates and times to answer any questions that interested persons may have regarding the Scheme's proposals:

**Monday, 12<sup>th</sup> December 2016; 2pm – 8pm**  
**Tuesday, 13<sup>th</sup> December 2016; 3pm – 9pm**  
**Tuesday, 20<sup>th</sup> December, 2016; 3pm – 9pm**  
**Thursday 19<sup>th</sup> January 2017; 3pm – 9pm**

#### FURTHER INFORMATION

Comments in relation to this project will be accepted up to the 17<sup>th</sup> February 2017 and can be addressed to:

Claire Anderson, Office of Public Works, Flood Projects Management Services,  
52 St. Stephens Green, Dublin 2.  
Email: [claire.anderson@opw.ie](mailto:claire.anderson@opw.ie)



## LOWER LEE (CORK CITY) DRAINAGE SCHEME



### PUBLIC EXHIBITION

DECEMBER 2016  
JANUARY 2017

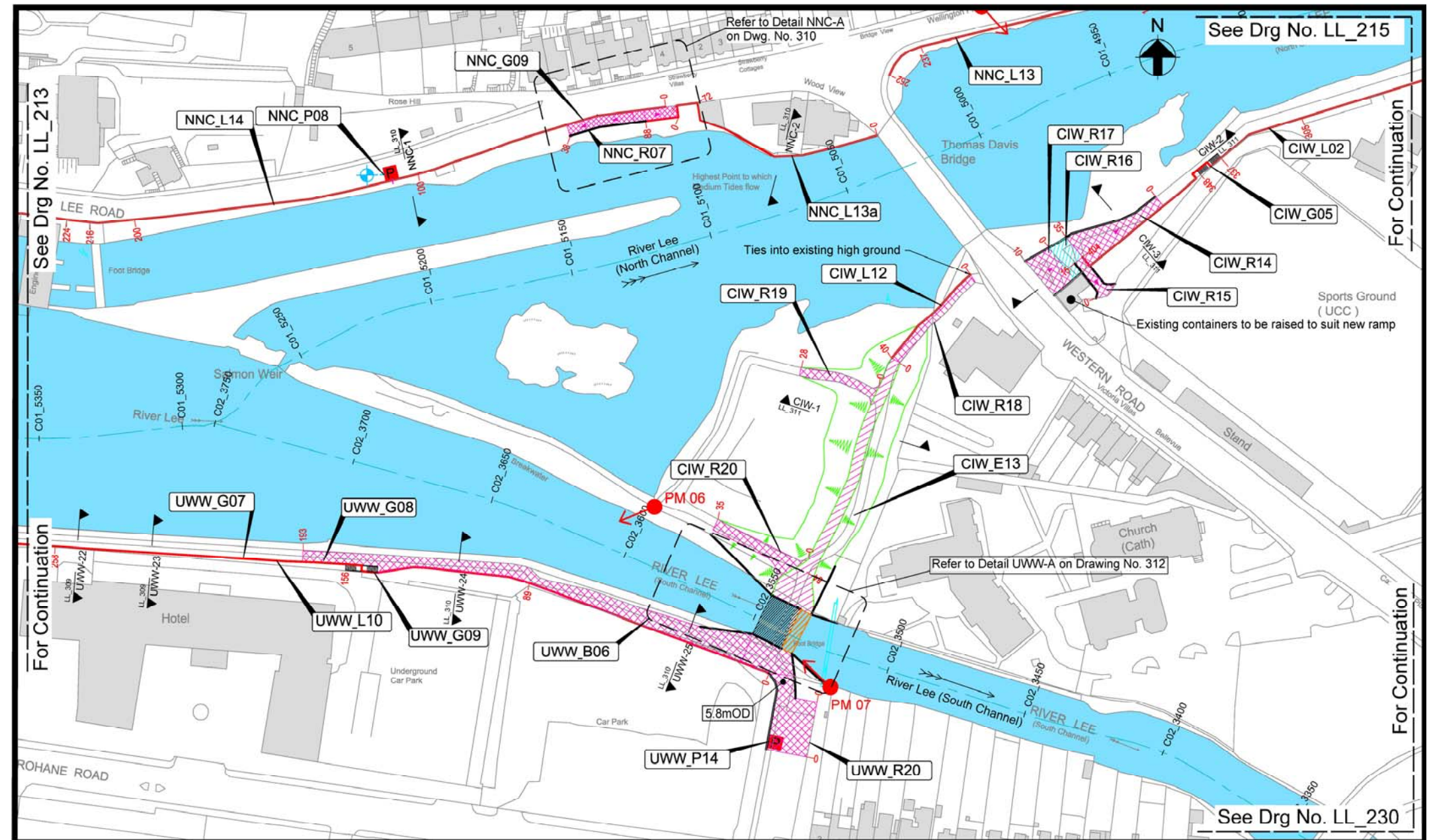


This brochure forms part of the formal exhibition of the proposed Lower Lee (Cork City) Drainage Scheme, taking place in Cork City Hall and Cork County Hall, in December 2016 and January 2017.

Since the last public information day, the Environmental Impact Assessment has been completed and an Environmental Impact Statement has been prepared, in addition to further hydrological and hydraulic modelling which has informed the design of the preferred scheme option.

Surveys and other work that have been completed in advance of the exhibition include:

- Options Report;
- Phasing Report;
- Hydraulics Report;
- Invasive plant; Sea lamprey; Bat; Floating river vegetation; Electro-fishing surveys;
- Underwater archaeological assessment;
- Site Investigations and Optioneering;
- Cost Benefit Analysis;
- Noise Surveys & Assessments;
- Landscape Assessments.



Sample section of proposed scheme works. All scheme drawings & documents are available in public exhibition display and are available to view online at [www.lowerleefrs.ie](http://www.lowerleefrs.ie) including descriptions of proposed works indicated and labelled on the above drawing.

#### OUTLINE OF PROPOSED WORKS – COMBINATION OF IMPROVED CONVEYANCE AND DEFENCES

- Site Investigations.
- A new Fluvial Flood Forecasting system based on both predictive and real time rainfall, and real time river flows and reservoir level data, to be utilised in combination with the existing harbour tidal flood forecasting system.
- A new flood warning system to effectively disseminate warnings and information to landowners and river users during major flood events.
- Designation of washlands upstream of Cork City.
- Direct defences (walls and embankments) from downstream of Innishcarra Dam through to Cork Harbour to defend against the design flood event.
- Flow Control chamber at the upstream end of the South Channel to divert a greater proportion of flood flow along the higher capacity North Channel.
- Demountable flood gates (tidal) at a limited number of key bridges and critical locations within the eastern part of Cork City.
- Re-grading of ground and road ramping at a number of locations.
- Associated groundwater cut off walls and back-of-defence drainage infrastructure to intercept and manage groundwater seepage.
- Bridge replacement.
- Associated drainage infrastructure (including non-return valves on drainage outlets) and pumping stations to manage surface water/groundwater at back of defences.
- Associated services/utility diversions.