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**RE: Flood defence work on the east Dodder bank between Newbridge and London Bridge**

**Introduction:** In April 2007 part 8 planning permission was granted to phase 1 of the Dodder Flood Alleviation Works. This work encompasses the stretch of land from Newbridge to Liffey Estuary. Phase 1a (between London Bridge and Ringsend Bridge) began in June 2007. Work on phase 1b (from Newbridge to London Bridge) was postponed until results from the Dodder Catchment Flood Risk Study yielded secondary flood defence levels. These results are now available and work is scheduled to begin this summer. The associated work has been identified as being of critical importance in that the area in question is under serious risk of flooding. The original part 8 planning application includes a generic secondary flood defence option. This report and the accompanying drawings are intended to give a more specific indication of the work involved.

**Previous instances of flooding:** The area is known to have flooded a number of times in the last century. The worst flooding occurred in the tidal flooding of 1<sup>st</sup> February 2002 when the river and tidal level is estimated to have reached 3.35m Malin Head. The event caused major property damage on both the east and west banks of the river.

**Flood protection works:** Following river flood modelling results taken from the Dodder Catchment Flood Risk Management Study, a level of 5.0m Malin Head was taken as the best practice defence height. This level is based on a 1/200 year joint probability analysis and includes for global warming up to the year 2100. The works will be carried out by the OPW and are expected to run from June 2008 to December 2009. Regrettably, the walkway on the east bank will be closed for most of this time.

Yours Sincerely,

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**Gerard O'Connell**  
**Dodder Engineer**  
**Environment and Engineering – Projects Division**