

 Dublin City Council Method Statement					
		Activity	Reference	Issue	Date
		Wad River Supplementary Outfall	MS-001	001	Feb. 2011
Info	Client Dublin City Council Project Engineers Nicholas O'Dwyer		Site	Clontarf Road	
General	<p>It is proposed to install a supplementary culvert sized 2m wide x 0.9m high, from the bus lane on Clontarf Road, under Clontarf promenade / linear public park and out into the Tolka Estuary. The aim is to reduce the risk of flooding upstream within the Wad River catchment.</p> <p>These works are most likely to be carried out by Dublin City Council's Drainage Reconstruction Section, they are to comply with the most recent version of their Local Safety Statement.</p>				
Sequencing	<ul style="list-style-type: none"> • We will obtain the necessary foreshore licence from the DOELG and permission from DCC Parks Services. • We shall arrange the publication of a local marine notice, giving a general description of the operations, and dates of commencement and completion. This will be notified in a local paper at least 2 weeks prior to operations. • A suitably qualified archaeologist shall be engaged to monitor all ground disturbances associated with the development. • Site Engineer will provide the crew with a permit to dig, and works instructions. • Apply for a Road Opening Licence prior to any works • Apply for service drawings and check existing service records, and mark their locations on site. CAT location for services. • Ensure all staff are wearing appropriate PPE • Sign off on Method Statement and SSWP. Preliminary Safety Plan, Method Statement and Risk Assessment should be on site at all times. • Appoint a Banksman. • The designed traffic management plan should be put in place and an alternative public footpath and cycleway will be constructed around the works area, and a temporary works access will be constructed from the Public Carriageway on Clontarf Road. • Where there is a deep excavation, trench boxes or other suitable method a shoring mused be used and accompanied by a 'Deep Excavation' sign. • The works area will be fenced off with the suitable Herris style fencing. • Excavate and remove existing rock armour, footpath and dwarf wall. • Excavation works must be properly monitored by at least one member of staff. All spoil is to be stored at a safe distance from the excavation and transported off site by a tipper lorry. • Construct a berm in the estuary outside of the working area, to prevent flooding of the works from the tide, this will be carried out by either a temporary embankment, or with sheet piles. • Excavate topsoil for re-use, excavate underlying material either by hand digging or mechanical means, or both, to formation level. 				

	<ul style="list-style-type: none"> • Should there be a significant amount of water with silt / suspended solids in the excavation, it will be pumped through a settlement tank, prior to discharge to adjacent waters. • While excavating install trench boxes / shoring to support the ground alongside excavated trench. • Install blinding and foundation to correct levels. Lay culvert sections. • Construct outfall into the estuary. • Replace rock armour and backfill culvert sections. • All pipes laid and manholes constructed must conform to the 'Greater Dublin Regional Code of Practice'. • Carry out topsoil re-instatement, replace footpath and dwarf wall. • Remove all temporary works and make good re-instatement and remove fencing.
Labour Force	Banksman, Excavator Driver, 4xGeneral Operatives, Bricklayer, Carpenter.
Plant	20 Ton Tracked Excavator, Licensed haulier, pump, generator, compressor
COSHH / MSDS	Diesel Oil – Used to fuel Engine plant, Petrol, Cement Lubricating oils and greases – used to lubricate plant
Training	All staff are trained in FAS safe pass, manual handling. Some staff are to possess the relevant CSCS cards in abrasive wheels, slingers/signaller, location of underground services and confined space entry