7. Flooding Assessment

7.1 The Strategic Flood Risk Assessment determined the protection offered by the fluvial and tidal defences in a cautious manner and in year 2002 these were deemed to provide the respective 1.0% and 0.5% standards of protection as recommended in PPG25 for a zone 3 area.

8. Site Cross Section

8.1 Ordnance datum related cross section has been sketched from the site to the Coronation Channel with finished floor levels of proposed mobile indicated.

9. Flood Rate

9.1 Within the Fenland environment of the South Holland area protected by sea defences, tidal embankments, fluvial embankments, tidal & fluvial structures and very importantly continued operation of the Internal Drainage Boards it is inevitable that worst case scenarios could occur.

9.2 Sea defence and tidal breaches would subside with the ebbing tide but fluvial events could potentially continue over a considerable period of time.

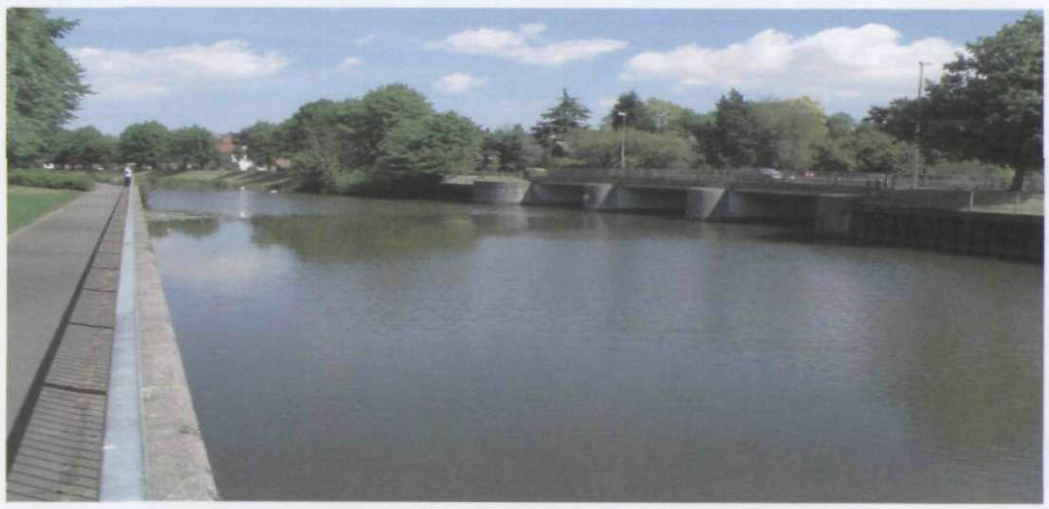
9.3 The sophisticated drainage system around the application site is so controllable that the likelihood of flooding is unlikely.

9.4 Should a breach occur in the sea defences, because of the site location, should have no effect.

9.5 Should a breach occur in the tidal embankments because of the site location, should have no effect

9.6 Should a breach occur in the Coronation Channel opposite the application site diversion of flows are available: -

- The Cowbit Road Sluice on the up-stream end of the Coronation Channel could be closed thus diverting flows through Spalding.
- If fluvial flows into the Spalding area are becoming too intense and likely to compromise the town, inundation of the Crowland & Cowbit Washes "functional flood plain" would solve any flooding problems.



COWBIT ROAD SLUICE – FLUVIAL RIVER WELLAND / CORONATION CHANNEL