3.3 The application site to the East of the Coronation Channel is gravity drained to the South and then eventually East via the South Holland Main Drain eventually outfalling into the River Nene at Sutton Bridge. This sophisticated drainage system is controlled by the South Holland Internal Drainage Board and during flood conditions is supplemented by a land drainage pumping station at the River Nene outfall.



FULNEY LOCK - CORONATION CHANNEL / TIDAL RIVER WELLAND

3.4 Automatically controlled, electrically driven, fixed pumping equipment is a common feature of modern land drainage systems and are routinely maintained to minimise breakdown during emergencies and back up power is available in the event of electrical failure.

3.5 The identified protection measures are as follows:

- The Wash sea defences.
- Tidal embankments – River Welland & River Nene.
- Marsh Road Sluice.
- Fulney Lock.
- Right hand embankment of The Coronation Channel.
- South Holland Internal Drainage Board.
- South Holland Main Drain.
- South Holland Main Drain outfall into River Nene at Sutton Bridge.

4. Potential Flooding Sources

4.1 Failure of any of the identified flood protection measures at a crucial time would potentially endanger to a greater or lesser degree the indicative flood plain area.

4.2 A breach or over-topping of The Wash sea-defences would have no effect on the application site as flood cell embankments are in place.