

- 3.3 The application site to the East of the tidal River Welland & Coronation Channel is gravity drained to the East and then eventually North / East via the Lords Drain eventually outfalling into the River Welland South / West of Fosdyke 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 Welland 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.
 - Lords Drain.
 - Lords Drain outfall into River Welland.

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.