SHDC
Planning & Development
22 APR 2009
Ref: 0280/09

Flood Risk Assessment.

Proposed dwellings at 21 Peterborough Road,

Crowland, PE6 0BB

DETERMINED PLAN

1. Flood Risk Alleviation Measures.

The site is typically 1.80m above ODN and the surrounding area is reasonably level with no hills or valleys. It is within the fens which are controlled by the Welland & Deeping Internal Drainage Board (WDIDB) and close to the River Welland which is controlled by the Environment Agency.

2. Potential Flooding Sources.

Tidal: None
Coastal: None
Drains: None
Groundwater: Fairly high water table, but no problem because the sub-strata is gravel based. Levels are generally controlled by the WDIDB and the Environment Agency.
Surface Flow: Very unlikely – no hills/valleys close by, geographically fairly flat.
Rivers: The site is close to the River Welland which is the most likely source of flooding; however, historically there has not been any problems and it is closely controlled by the Environment Agency.

3. Impact of Flooding on Site.

- Site unlikely to be flooded unless all of the South Lincs area is affected by a major catastrophe.
- The site being basically level, would be affected evenly should a flood occur. (The dwellings dpcs will be 2.28m – 480mm above general surrounding ground level).
- Flooding, if any, would probably be very brief and only if a major catastrophe occurred within the South Lincs area.
- There would not be any social, economic or environmental consequences for the site during normal seasonal weather conditions.

4. Climate Change.

The site is typically 1.80m above ODN, and is close to the River Welland which might affect the site should climate change occur; however, the existing flood banks could be raised to reduce this problem should existing water levels increase.

5. Drains & Sewers.

There are no drains or sewers on the site. The existing foul sewer connection at No.21 would be used for the new dwellings.

6. Run Off.

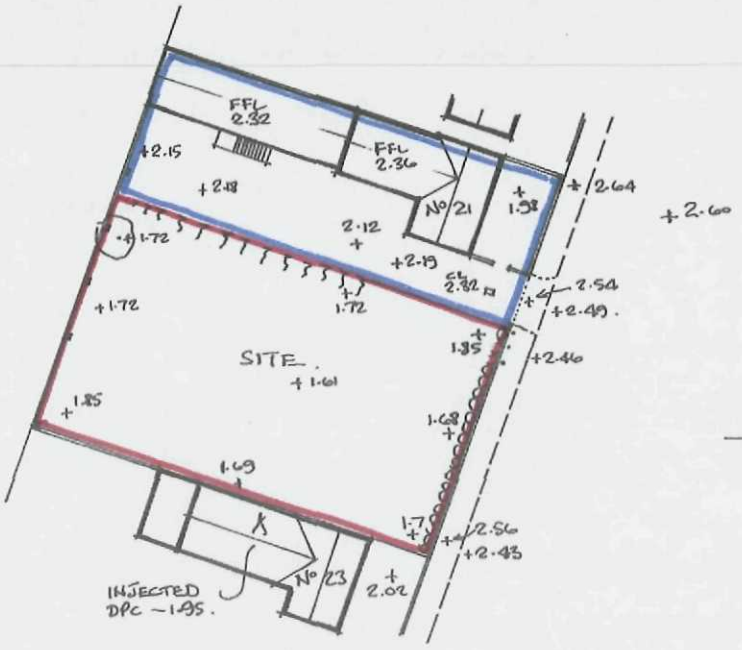
The storm water run-off from the proposed dwellings can be adequately served by soakaways - driveways by attenuation.

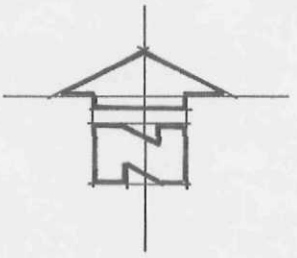
7. Displaced Water.

There will be no impact on any third parties as a result of the proposal because site levels are virtually as existing.

8. Fluvial, Coastal Morphology and Flood Defences.

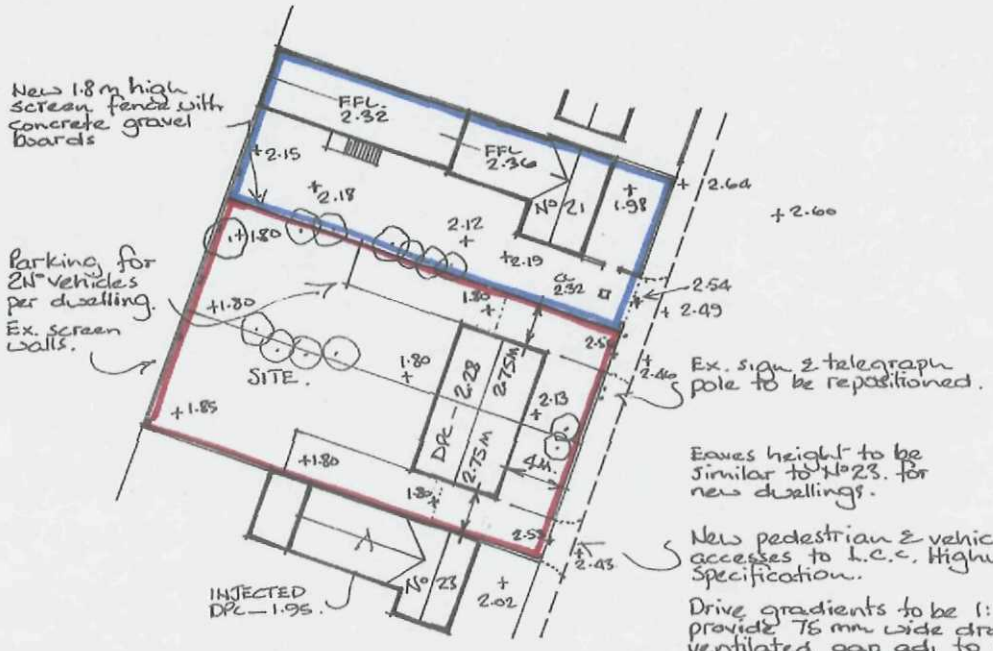
There will be no affect on fluvial & coastal morphology or existing sea defences with no increase in sea level resulting from the proposed development.





SITE · PLAN ~ EXISTING

Scale – 1: 500th



SITE · PLAN ~ PROPOSED

Scale – 1: 500th.

Amendments:

PROPOSED · DEVELOPMENT · AT · 21 · PETERBOROUGH · ROAD ; CROWLAND ; PE6 0BB ; FOR · MISS · K · FOVARGUE · & · MRS · F · WRIGHT.

Date – March '09 Drawn – DLJ.

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