

Area 5
Emerging Preferred Option

Board
13



Flood Defence Embankment

Upstream Storage Area

Proposed Surface Water Pumping Station

River Centre Line

1% AEP Fluvial/ 0.5% AEP Tidal Flood Extent (1 in 100 year fluvial/ 1 in 200 year tidal flood extent)

Benefitting Lands (Defended against events up to the 1% AEP Fluvial/ 0.5% AEP Tidal)

- Constraints Map
1.

Proposed rising main discharging into estuary
2.

Pumping station to overpump fluvial flow when watercourse is tide locked
3.

Watercourse to be realigned north of existing wall
4.

2.1m high embankment
5.

Spillway in case of flood exceedence events
6.

Flow control structure to limit water flowing downstream during a flood event
7.

New vehicular entrance and parking for operation and maintenance of flow control structure
8.

1.4m high embankment
9.

Access into field to be relocated
10.

0.7m high embankment
11.

0.9m high embankment
12.

1.7m high embankment
13.

Access into field to be relocated

The proposed defences are indicative only and may be subject to change during the planning/detailed design.

All proposed flood defences tie into high ground or existing/proposed defences at both extents.

Please refer to board No. 20 for potential flood defence finishes

