INDICATIVE LOCATION OF POTENTIAL PILOT STUDY AREA

250m

POTENTIAL TIMBER REVETMENT

225 X 225 mm CROSS STRUTS 3M LONG AT 3m C/C

225 X 225 mm REAR PILES 7.5m LONG, FRONT PILES 5m AT 3m C/C

CREST LEVEL SHOWN AS INDICATIVE, TO BE CONFIRMED IF OPTION IS SELECTED

APPROXIMATE LEVEL OF EXISTING CLIFF TOE +5.20mOD

EXISTING BEACH SHOWN INDICATIVELY (LEVEL VARIES)

TYPICAL CROSS SECTION

250m

10 ROWS 225x100mm PLANKS 6m LENGTHS

TIMBER SHEETERS BETWEEN PILES (IF REQUIRED)
Crest level shown as indicative, to be confirmed if option is selected.

Approximate level of existing cliff toe +5.20mOD.

Existence beach shown indicatively (level varies).

4m nom. diameter geotube (GT 1000 M).

+6.06mOD
1 in 200 [2:117]

HAT +4.45mOD

MHWS +3.65mOD

MHWN +1.85mOD

This drawing is to be read in conjunction with all other relevant documentation. Do not scale from this drawing, use the scale indicated. All dimensions in millimetres, all chainages, levels and coordinates are in metres unless defined otherwise.

This drawing is to be used only for the purpose of issue that it was issued for and is subject to amendment.

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UNIT A SHORT LIST_GB4/23/2018 1:18 PM

Plot Date : File Name :
NOTE:
(1) PERIODIC BEACH RECHARGE OR 'TOP UPS' WILL BE REQUIRED TO MAINTAIN SCHEME.
(2) CONTROL GROYNES WILL BE REQUIRED TO RETAIN BEACH NOURISHMENT MATERIAL.

APPROXIMATE VOLUME OF MATERIAL REQUIRED PER METRE LENGTH = 195m³
- Cross section shown is the section of Unit B with the lowest existing crest height of rearward return wall, located in section E.
- Option assumes that crest levels of defences will be raised in 3 intervals over the appraisal period, to coincide with the timings of reviewing the defences (Maintain Option).
- Crest level increases have been broadly estimated based on predicted sea level rise, levels to be confirmed if the option is progressed.
- In section C there is a rear wave return wall, in this section the crest height is 7.08m OD, the Maintain option would raise this to 7.56m OD and therefore section G will not need to be raised.
- Existing flood gates along the rear wave/flood wall would have to be modified or replaced to match the increases in crest height.
- This option assumes that the existing rear wave/flood wall is structural capable of incorporating the extra weight and associated loads of the level increase.
The photograph shows recent examples of different seawalls that have been constructed in the public realm to improve the standard of coastal protection.

At this stage of the option development process, the size, scale and nature of a new enhanced seawall along the Unit B frontage in Hunstanton has not yet been fully determined.

Therefore, for cost estimation and comparison purposes, the Environment Agency's Cost Estimation for Coastal Protection Guidance Report (SC0003917) has been used.

OUTLINE DESIGN - FOR APPRAISAL

Borough Council of King's Lynn & West Norfolk

HUNSTANTON COASTAL MANAGEMENT PLAN

SHORT-LISTED OPTIONS
UNIT B
IMPROVE NEW SEAWALL

 Scott House
 Alencon Link
 Hampshire, RG21 7PP
 +44 (0)1256 310 200
 +44 (0)1256 310 201

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UNIT B
1.47KM

MAP OF UNIT B
(NOT TO SCALE)

LEGEND

KWT SEAWALL

EXAMPLES OF NEW SEAWALLS

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DOCUMENTATION.
2. DO NOT SCALE FROM THIS DRAWING, USE THESE DIMENSIONS UNLESS DEFINED OTHERWISE.
4. THIS DRAWING IS TO BE USED ONLY FOR THE PURPOSE OF ISSUANCE THAT IT WAS ISSUED FOR AND IS SUBJECT TO AMENDMENT.