

SUFFOLK COAST FORUM

SIZEWELL C
COASTAL EVENT
1ST DECEMBER 2020



AGENDA

| Time | Item | Lead |
|----------|---|---|
| 9:30 am | Line opens | |
| 10:00 am | Welcome & aims of the meeting | Cllr David Ritchie, Chair Suffolk Coast Forum, Cabinet Member Planning & Coastal Management, East Suffolk Council |
| 10:10 am | Presentation of current / new information | Philip Ridley, Head of Planning and Coastal Management, East Suffolk Council Karen Thomas, Head of Coastal Partnership East Paul Patterson, Senior Coastal Engineer, Coastal Partnership East |
| 10:45 am | Questions from the floor | Facilitated by Cllr David Ritchie |
| 11:00 am | Break | |
| 11:10 am | Discussion Groups | All |
| 11:40 am | Return and feedback from the groups | Facilitated by Sharon Bleese, Coastal Manager (south), Coastal Partnership East |
| 11:55am | Summary and next steps | Cllr Craig Rivett, Deputy Leader, East Suffolk Council |
| 12:00 pm | Close | |

WELCOME AND AIMS OF THE MEETING

CLLR DAVID RITCHIE
CHAIR, SUFFOLK COAST FORUM
CABINET MEMBER PLANNING & COASTAL
MANAGEMENT, EAST SUFFOLK COUNCIL

AIMS OF THE EVENT

- Update on the strategic direction ESC/SCC are taking on the EDF DCO to date
- Summarise the Councils' identified key areas relating to the coast for discussion following the last consultation
- Highlight any areas where we have new information to share
- Hear from the Suffolk Coast Forum and guests of any emerging views and key areas for discussion

There will be a question and answer session and break out sessions to allow for discussion.

During the presentation please type your question into the 'chat bar' for a response in the Q&A session.



PRESENTATION OF CURRENT / NEW INFORMATION

PHILIP RIDLEY, HEAD OF PLANNING AND
COASTAL MANAGEMENT, EAST SUFFOLK COUNCIL

KAREN THOMAS, HEAD OF COASTAL PARTNERSHIP EAST

PAUL PATTERSON, SENIOR COASTAL ENGINEER,
COASTAL PARTNERSHIP EAST

WHERE ARE WE NOW? THE DCO PROCESS

PHILIP RIDLEY, HEAD OF
PLANNING & COASTAL
MANAGEMENT

EAST SUFFOLK COUNCIL



DCO CHANGES CONSULTATION

- DCO submitted May 2020 to the Planning Inspectorate (PINS);
- Changes consultation: 18 November 2020 - 18 December 2020 (30 days);
- SZC Co. proposing changes to address concerns raised by local authorities, communities and residents;
- Approximately 15 areas being consulted upon, today will focus on coastal related elements;
- ESC and SCC will both be preparing responses to the consultation following receipt of advice and assessment from our technical officers, who are examining the submission;
- SZC Co. proposed to submit a change application to PINS week beginning 11 January 2021 for PINS to consider; and
- Formal Examination by PINS of SZC Co.'s proposals is not expected to commence until Feb/March 2021 at earliest.

SUMMARY LIST OF PROPOSED CHANGES (COMPILED BY JLAG)

| Area for proposed change | Description of change(s) |
|--------------------------------|---|
| Freight Management | <ul style="list-style-type: none"> 60% construction materials delivered by rail and sea, reduction of HGV deliveries to 40%. |
| Freight Management: Rail | <ul style="list-style-type: none"> Four trains per day instead of 3; Trains to potentially run 6 days per week (Mon-Sat); and 5 trains per day during busiest period of construction. |
| Freight Management: Sea | <p>Increasing potential for material to be brought in by sea:</p> <ul style="list-style-type: none"> Enhancing design of the permanent BLF; and Providing a new, temporary additional BLF. BLF (Option 1) 120m long, single berth, up to 200 deliveries/year; (Option 2) 150m long, T-shaped Pier, single berth up to 260 deliveries/year; (Option 3) 270m long, two self-elevating platforms, two berths up to 520 deliveries/year; or (Option 4) 400m long, more self elevating platforms, single berth, up to 590 deliveries/year. |
| Main Site: SSSI Crossing | <ul style="list-style-type: none"> 30m bridge connecting two embankments includes ledge for otters passing and bats to roost. |
| Main Site: Fen Meadow Habitat | <ul style="list-style-type: none"> Pakenham (West Suffolk) to create a third replacement habitat to compensate for loss from the SSSI. |
| Main Site: Sea Defence | <ul style="list-style-type: none"> Proposed increase in minimum and maximum crest heights for further protection and landscaping; and Proposed change to simplify construction of temporary sea defence. |
| Main Site: Water Storage | <ul style="list-style-type: none"> Change of location |
| Main Site Surface Water | <ul style="list-style-type: none"> Temporary drainage pipe on beach while building permanent site drainage. Pipe will be half a metre in diameter, release water onto the beach but will not disrupt users of diverted coast path. |
| Main Site: Other Changes | <ul style="list-style-type: none"> Height limits and activities during construction; Tree retention; Minor boundary changes to main development site and off-site habitat creation sites; and New bridleway link between Aldhurst Farm and Kenton Hills. |
| Relocated SZB Facilities | <ul style="list-style-type: none"> Change location of admin building, reduce height of training centre, change layout of Coronation Wood; and Propose to use Pillbox Field for tree planting only. |
| Associated Development Changes | <ul style="list-style-type: none"> Reductions in land required at some locations; Minor boundary changes for road improvements and bypasses; Change to PRoW around Walk Barn Farm due to Two Village Bypass; and Extending the landscaping at the Southern Park and Ride along with other minor design changes. |

REVIEW OF TECHNICAL INFORMATION AND EVIDENCE

KAREN THOMAS, HEAD OF COASTAL MANAGEMENT

PAUL PATTERSON, SENIOR COASTAL ENGINEER

COASTAL PARTNERSHIP EAST

P R E S E N T A T I O N
O B J E C T I V E S
K A R E N T H O M A S

Reprise the outstanding concerns that ESC/CPE have regarding the key issues the current EDF proposals mean for our coast - Karen Thomas

Highlight any relevant new coastal information that we have received in November 2020 and share its impacts on our understanding- Karen Thomas

Update on our interpretation of EDF's forecast of how SZC might affect the coastal environment and the effectiveness of the proposed mitigation for any negative effects - Paul Patterson

Set out ESC's key outstanding concerns regarding EDF's impact assessment and highlight points of significant difference - Paul Patterson

Seeking your views on our presentation to inform our ESC response- ALL

KEY ISSUES
SEPTEMBER
2020
KAREN THOMAS

Impact Assessment Summary Timeline

Incomplete Design of Works

Impact of the HCDF

Impact of the BLF

Performance of the SCDF

Future Shoreline Predictions

Impacts to Thorpeness Shoreline

Coastal Impact Monitoring

Coastal Impact Mitigation

KEY ISSUES NOVEMBER 2020

Impact of the BLF

Option 4- least worst option -can it be addressed through MMP and MTF?

Impact of the HCDF

Increased defence height proposal

Seaward movement of HCDF - engineering design?

Impact assessment/EIA does not cover new design?

New seaward position has to mean impacts will occur earlier

Performance of the SCDF- how does new design affect this?

Future Shoreline Predictions- how does new design affect this?

Impacts to Thorpeness Shoreline- how does new design affect this?

Coastal Impact Monitoring

Coastal Impact Mitigation

Impact Assessment Summary Timeline

PROPOSED COASTAL CHANGES

PAUL PATTERSON

Temporary HCDF is now a sheet piled wall, previously a rock / earth mound.

Permanent HCDF now 3.8m higher and ~8m further seaward.

Future HCDF Adaption profile still higher and further seaward.

Permanent BLF is 30m longer with a new submerged barge landing platform

4 options for an additional temporary BLF. Varying in length, type and impact. All with a conveyor system to move bulk materials into the site.

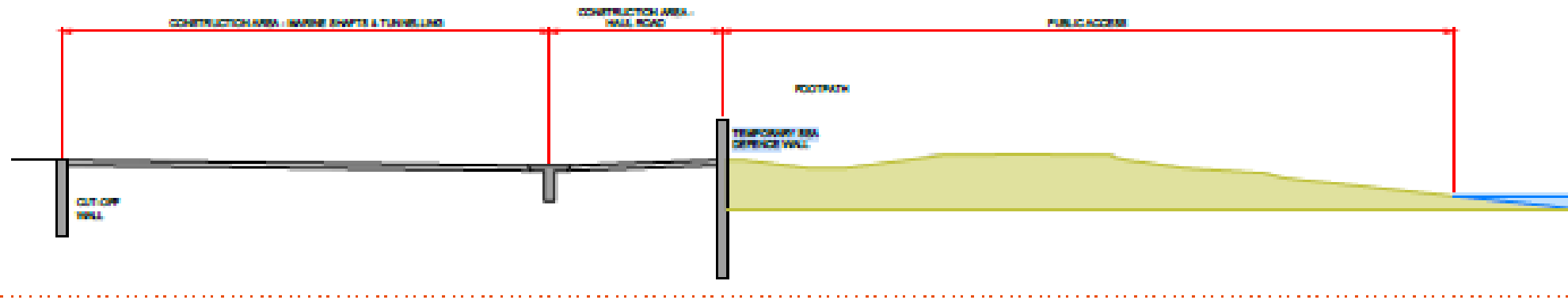
A temporary storm water outfall discharging onto the beach.

Unspecified measures to reduce disruption to the Coastal Path.

SSSI crossing is now a bridge, previously a culvert.

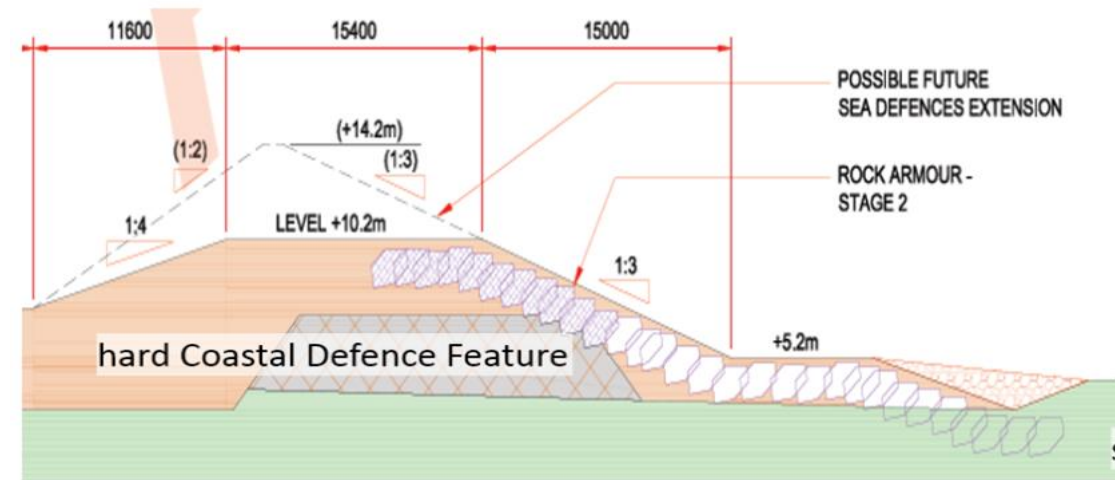
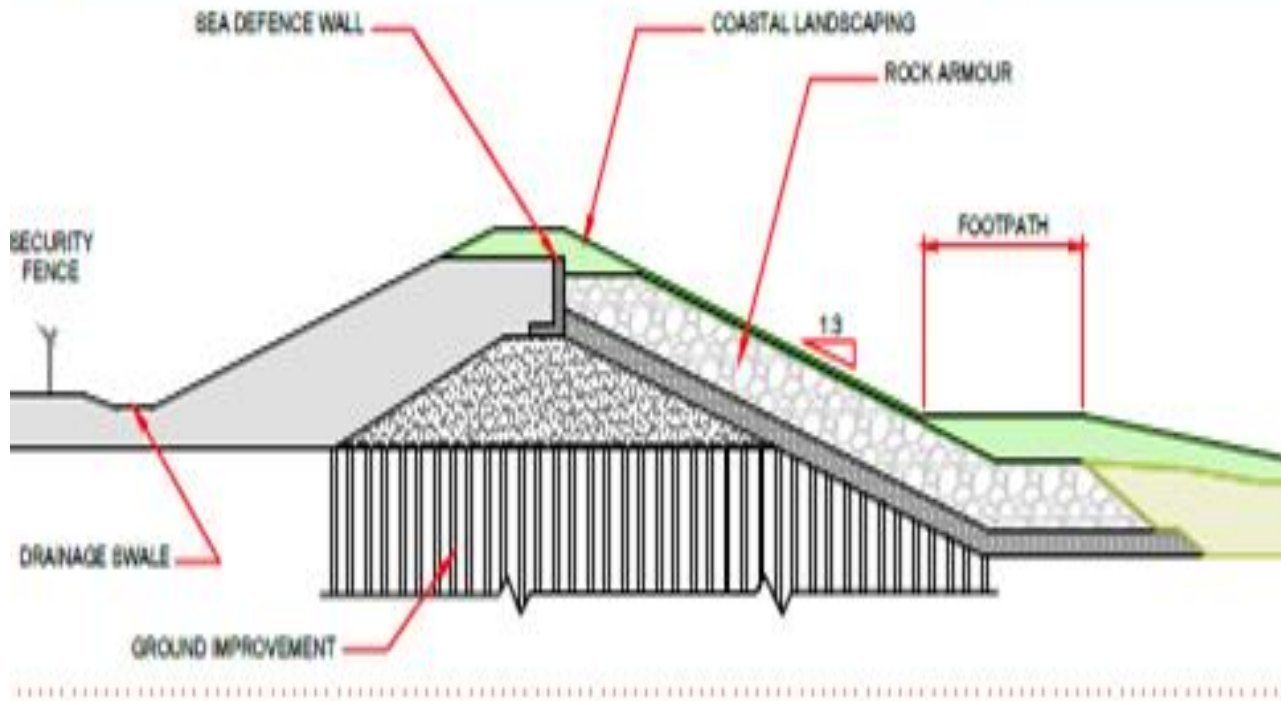
TEMPORARY COASTAL DEFENCE

Figure 4.18 Temporary sea defence



HARD COASTAL DEFENCE FEATURE

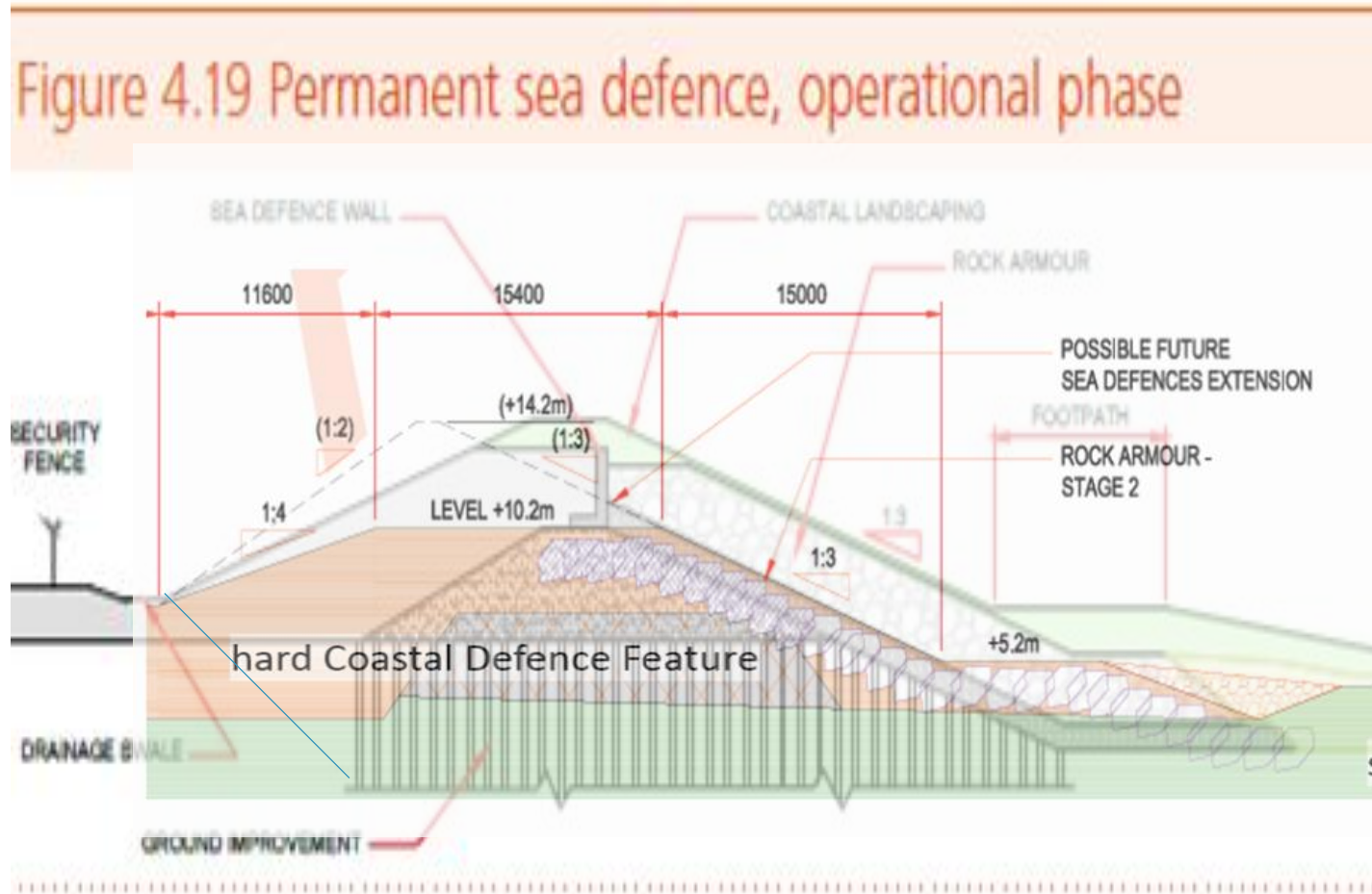
Figure 4.19 Permanent sea defence, operational phase



Source: Figure 29 in TR311 Sizewell
MSR1 Ed 4 Page 63 of 167.

HARD COASTAL DEFENCE FEATURE OVERLAY

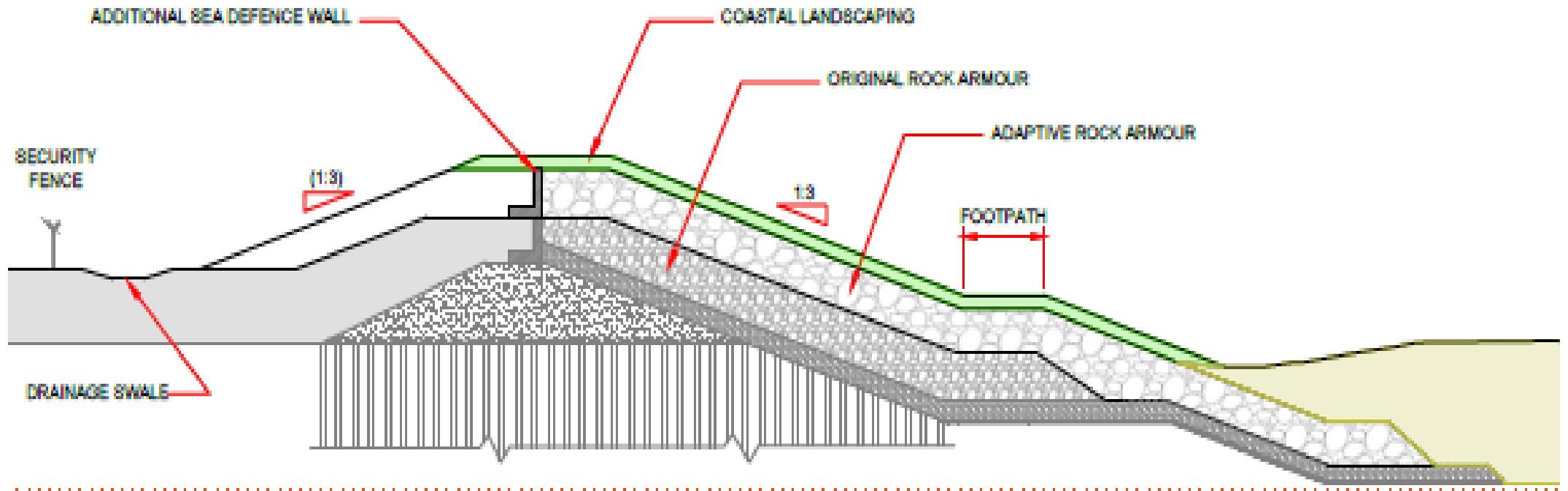
NOTE: CPE assumptions made in relation to placement.



Original profile source: Figure 29 in TR311
Sizewell MSR1 Ed 4 Page 63 of 167.

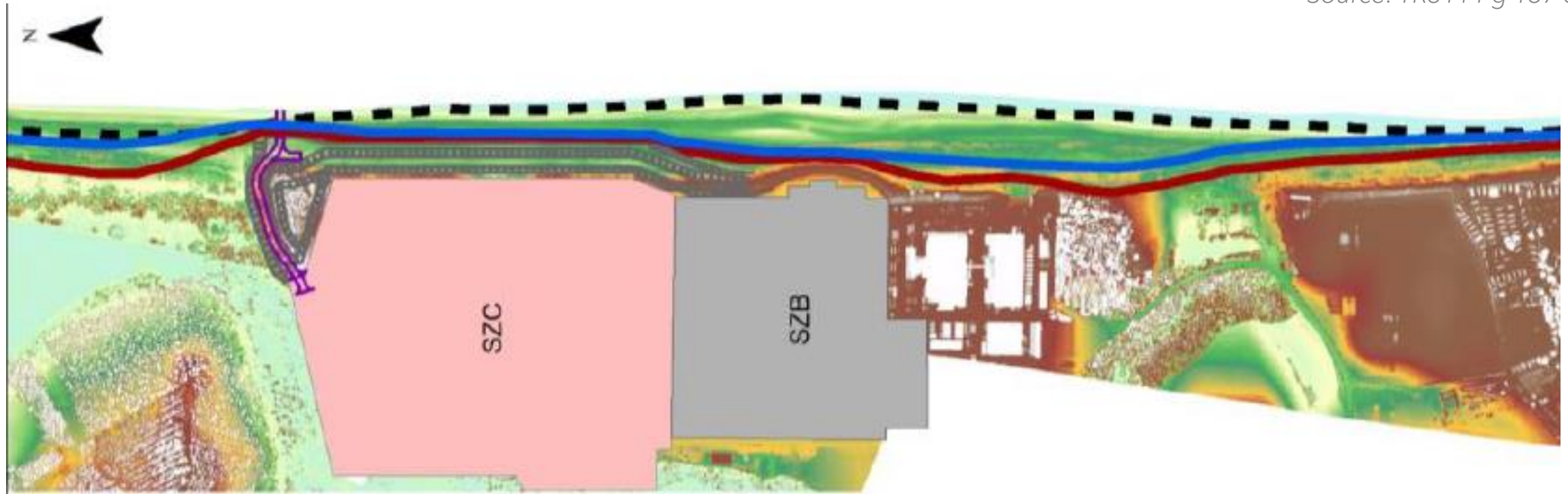
HARD COASTAL DEFENCE FEATURE - ADAPTIVE

Figure 4.20 Permanent sea defence, adaptive design



EARLIER IMPACTS ON SHORELINE

Figure 74: Future shoreline configuration after mitigation has ceased for maintained and increasing sediment supply scenarios.
Source: TR311 Pg 157 of 167



- Sizewell C
 - Sizewell B
 - Future Shoreline Prior to Mitigation (c. 2053 – 2087)
 - Post-Mitigation - Maintained Sediment Supply
 - - - Post-Mitigation - Increased Sediment Supply
 - Hard Coastal Defence Feature (HCDF)
 - Beach Landing Facility (BLF)
- Height (m)
High : 15000
Low : 0

TEMPORARY BEACH LANDING FACILITY

Figure 3.3 Option 1: Temporary BLF, no pier- lowest capacity

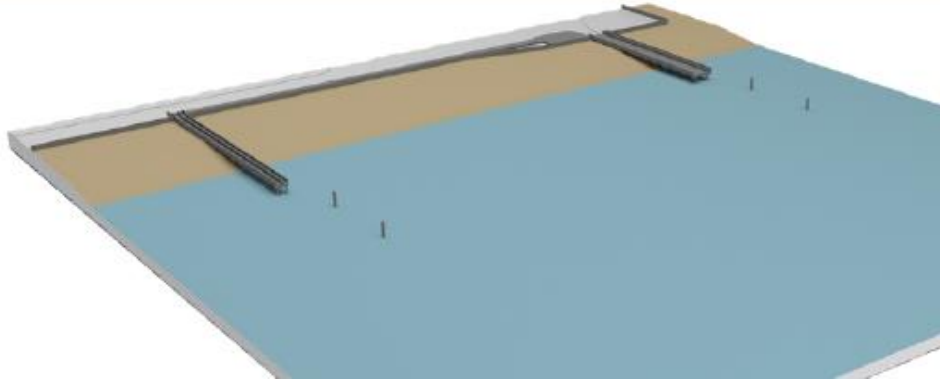


Figure 3.4 Visualisation of Option 2: Temporary BLF, short pier

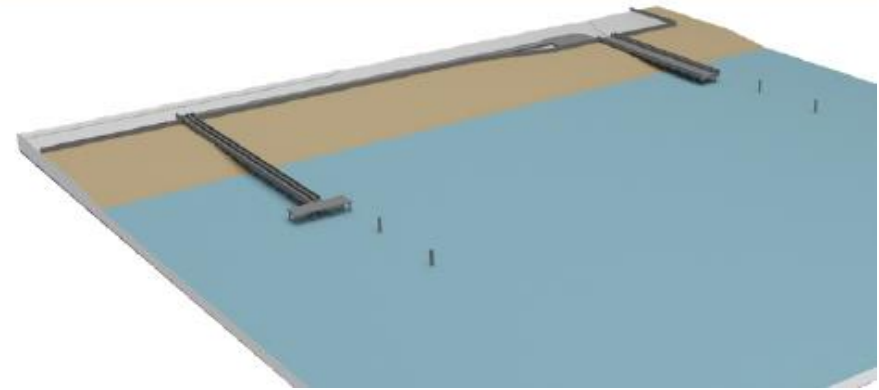


Figure 3.5 Visualisation of Option 3: Temporary BLF, medium pier

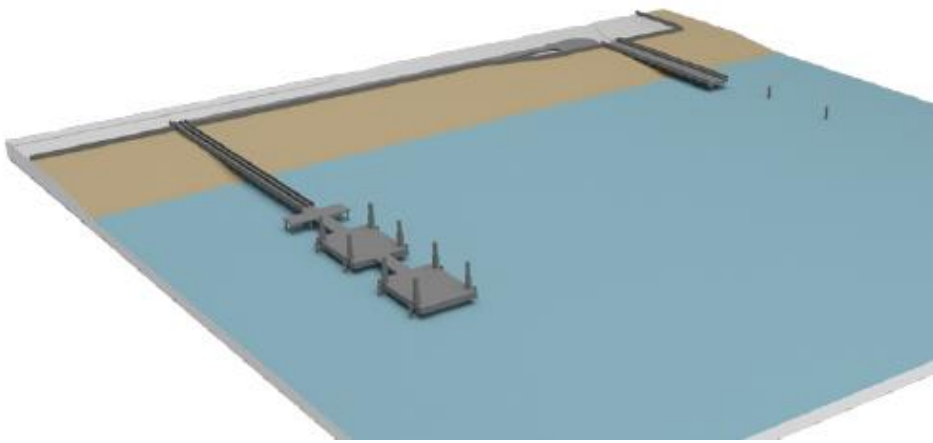
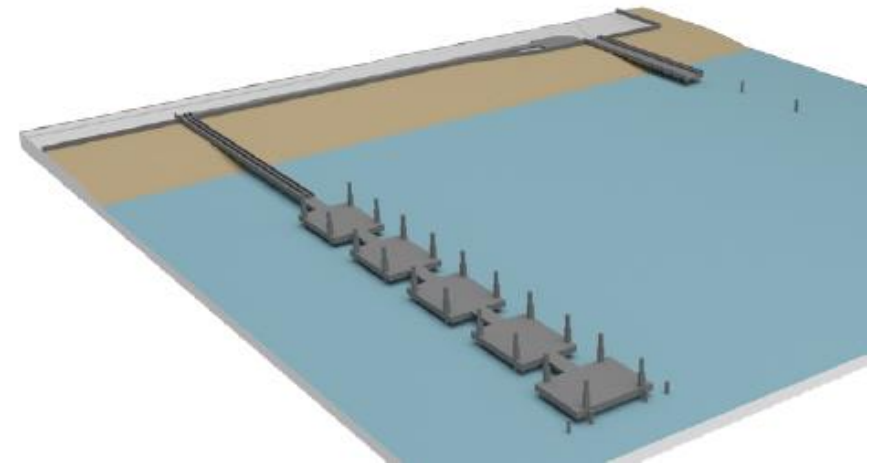


Figure 3.6 Visualisation of Option 4: Temporary BLF, long pier



INCREASED IMPACTS ON SHORELINE

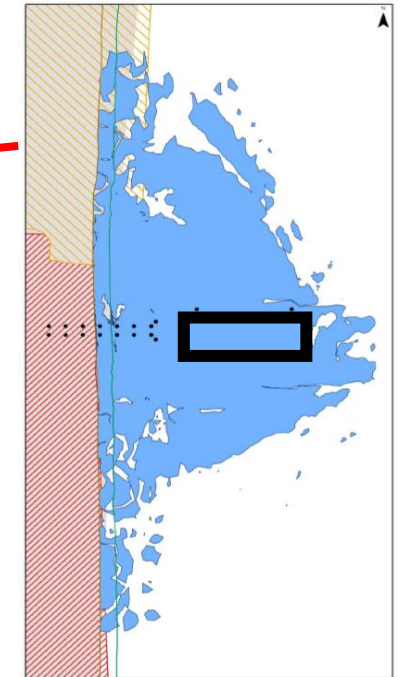
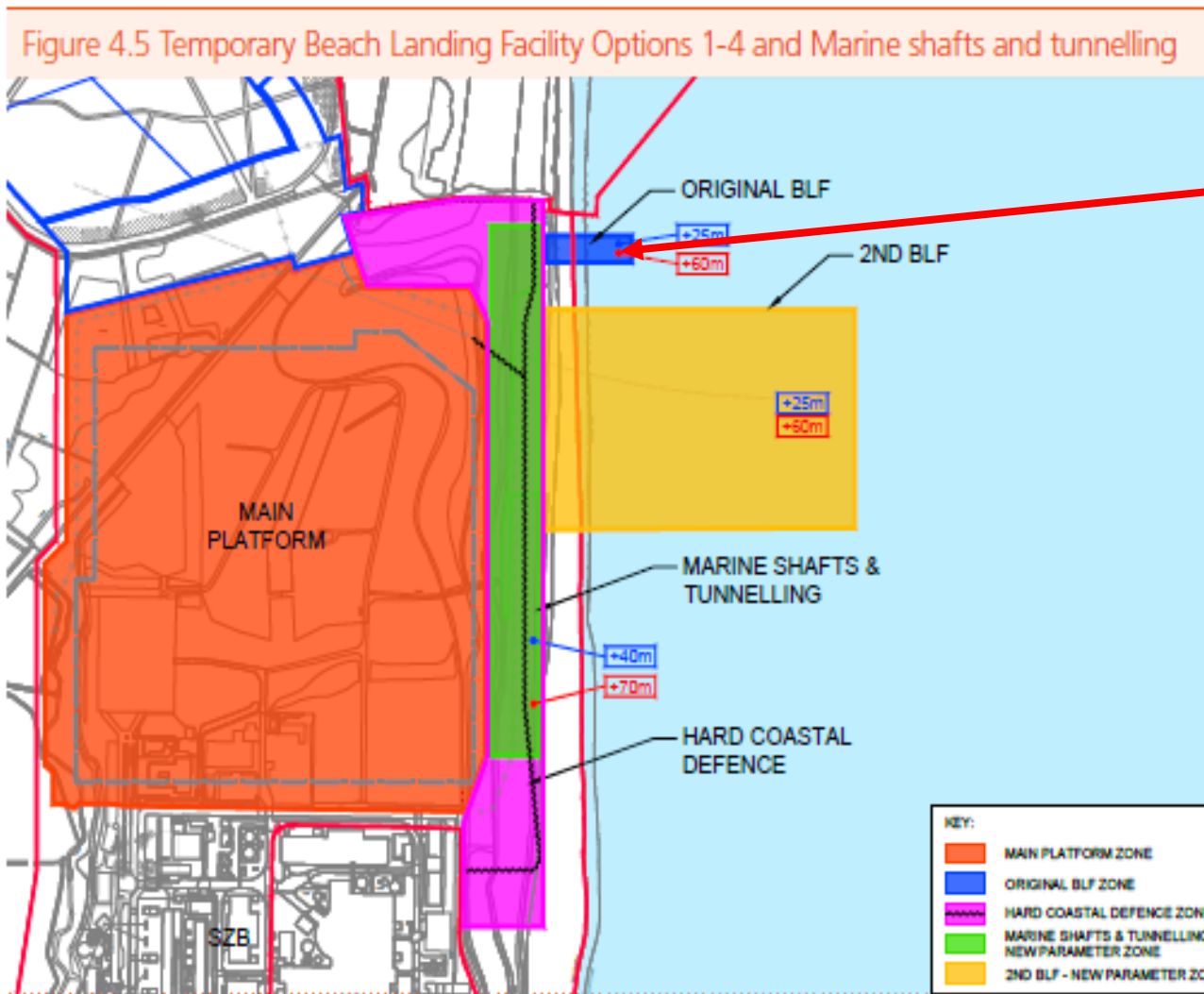


Figure 45: The total area corresponding to a magnitude of change greater than $\pm 5\%$ for the BLF in use compared to no BLF, for both wave and tidal current directions.

TEMPORARY SURFACE WATER OUTFALL

4.17 Example image of a similar marine outfall



OUR SUMMARY

IF SZC is granted permission to be developed, CPE on behalf of ESC and the local communities would wish to make the following points on the Change Consultation information. Our previous comments / concerns on the DCO have not changed.

- **BLF-** In our discussions of Road/Rail/Marine transport we understand the desire to move construction traffic from road to rail and or sea. We have not been provided with enough information to take view on what the impacts on the coastal environment will be from the proposed changes, the details of which are evolving. Based upon the limited information received we believe it is possible that the impacts from an enhanced existing BLF and a new temporary BLF could be managed through design and mitigation to produce an outcome that is acceptable. Of the 4 temporary BLF designs presented Option 4 appears to have the lowest risk of a significant negative impact. **We need more detail to determine if this is acceptable.**
- **HCDF-**We accept that the new flood defence must be designed to provide an appropriate standard of protection to the proposed SZC station with allowances for increases in sea level and that an adaptable design is a reasonable approach to managing this uncertainty. However we are not convinced that this outcome must be linked to a significant seaward movement of the defence compared to that proposed and assessed at DCO stage. There is very little information on the extent and consequence of the implied seaward movement in the Change Consultation information therefore it is not possible for it to be adequately reviewed and for meaningful feedback provided. **For these reasons we object to the proposed sea defence design changes.**
- We continue to have discussions with EDF to gain further information **but at this time we do not have what we need**

QUESTIONS FROM THE FLOOR

FACILITATED BY CLLR DAVID RITCHIE

BREAK

DISCUSSION GROUPS

FEEDBACK FROM GROUPS

FACILITATED BY SHARON BLEESE
COASTAL MANAGER (SOUTH)
COASTAL PARTNERSHIP EAST



SUMMARY & NEXT STEPS

CLLR CRAIG RIVETT,
DEPUTY LEADER,
EAST SUFFOLK COUNCIL

- A summary of this event and discussions will be circulated to all attendees along with the presentation;
- Submit your response to the consultation to info@sizewellc.co.uk or via the web pages at <https://magpielanding.traverse.org.uk/surveys/sizewellC> **BY 18 DECEMBER 2020;**
- Please copy your response to sizewellc@eastsoffolk.gov.uk;
- EDF Energy propose submitting a changes proposal to the Planning Inspectorate week beginning 11 January 2021; PINS will then determine whether to accept it;
- All updates to the process will be on the Planning Inspectorate web pages at: <https://infrastructure.planninginspectorate.gov.uk/projects/Eastern/The-Sizewell-C-Project/>
- Council published documents such as our response, Relevant Representation and Cabinet reports will be available on our official Council DCO pages: <https://www.eastsuffolk.gov.uk/planning/sizewell-nuclear-power-station/development-consent-order/> **WE WILL NOT BE PUBLISHING EDF ENERGY'S DCO DOCUMENTS ON THIS PAGE.** They are available on the PINS web pages and at <https://sizewellcdco.co.uk/>

CLOSE

THANK YOU
FOR
ATTENDING

