

# The Sizewell C Project

6.14 Environmental Statement Addendum

Volume 2: Environmental Statement Addendum Figures

Chapter 2 Main Development Site

Part 3 of 4

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Applicable Regulation: Regulation 5(2)(a)

PINS Reference Number: EN010012

# January 2021

Planning Act 2008 Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009





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TO RAIL ROUTE ALIGNMENT



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ACTIVITY AT THE ENHANCED PERMANENT BLF AND

TEMPORARY BLF ON MARINE MAMMALS

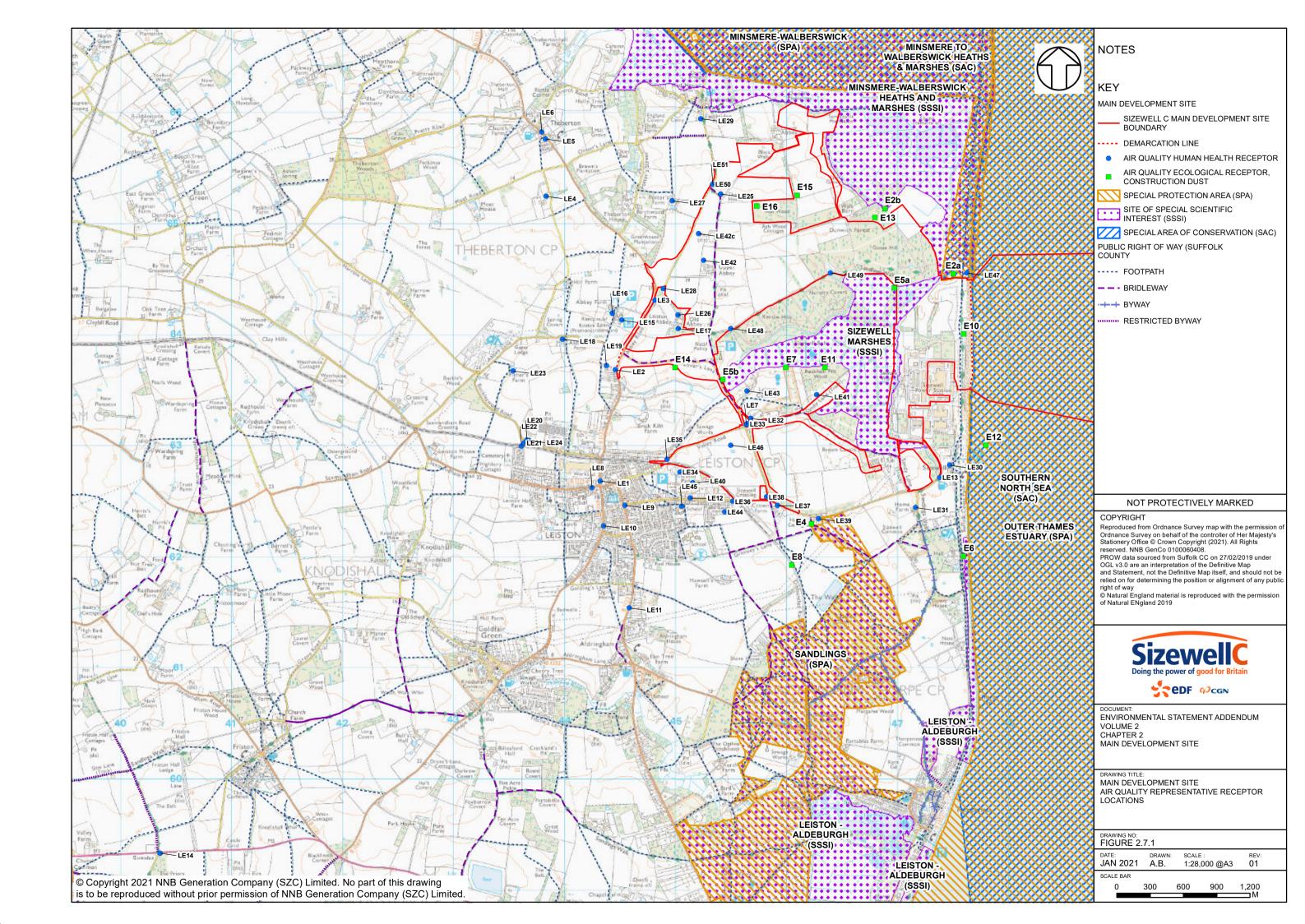
FIGURE 2.17.3: COMBINED EFFECT OF CUMULATIVE 24-HR VESSEL

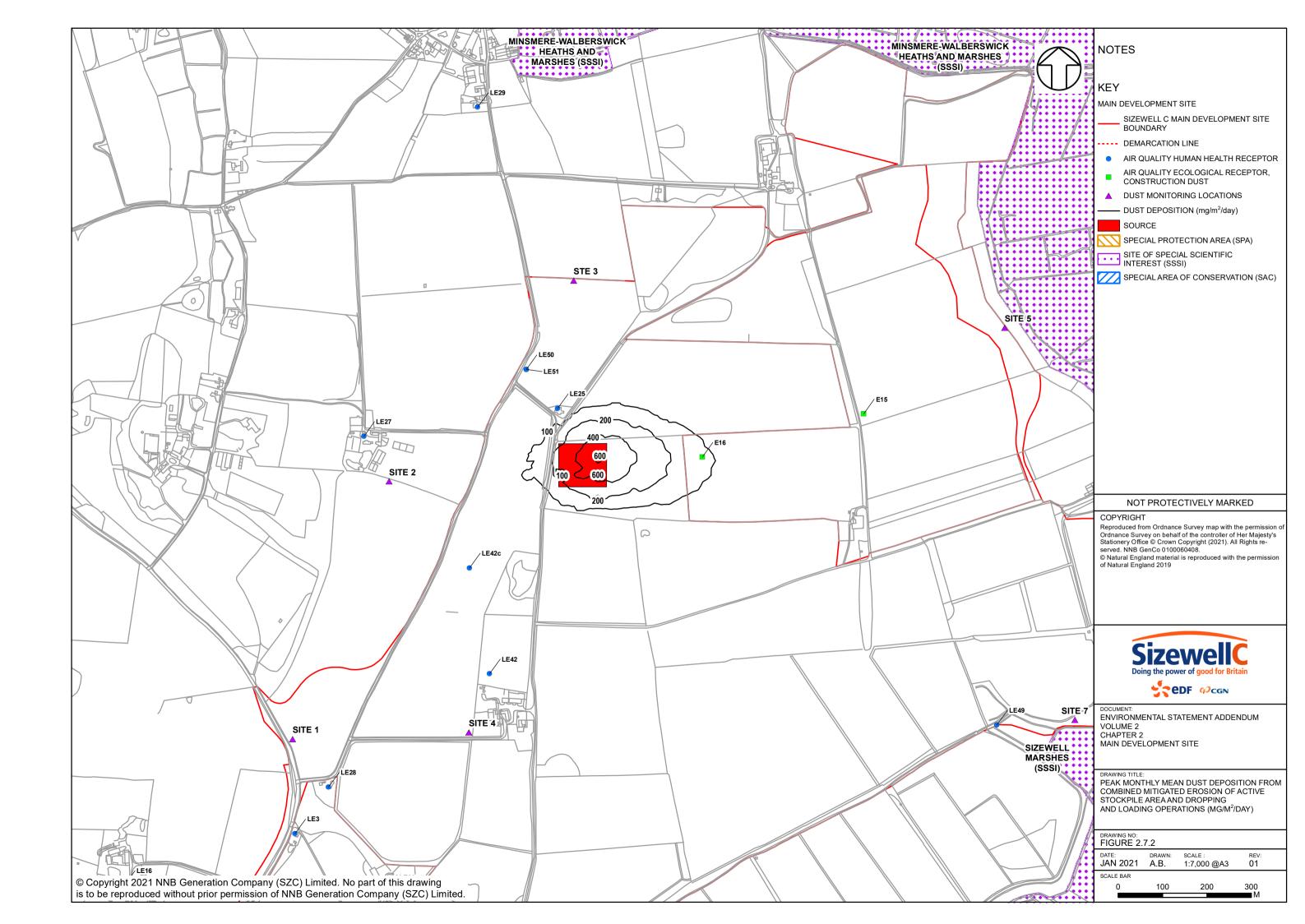
ACTIVITY AT THE ENHANCED PERMANENT BLF AND

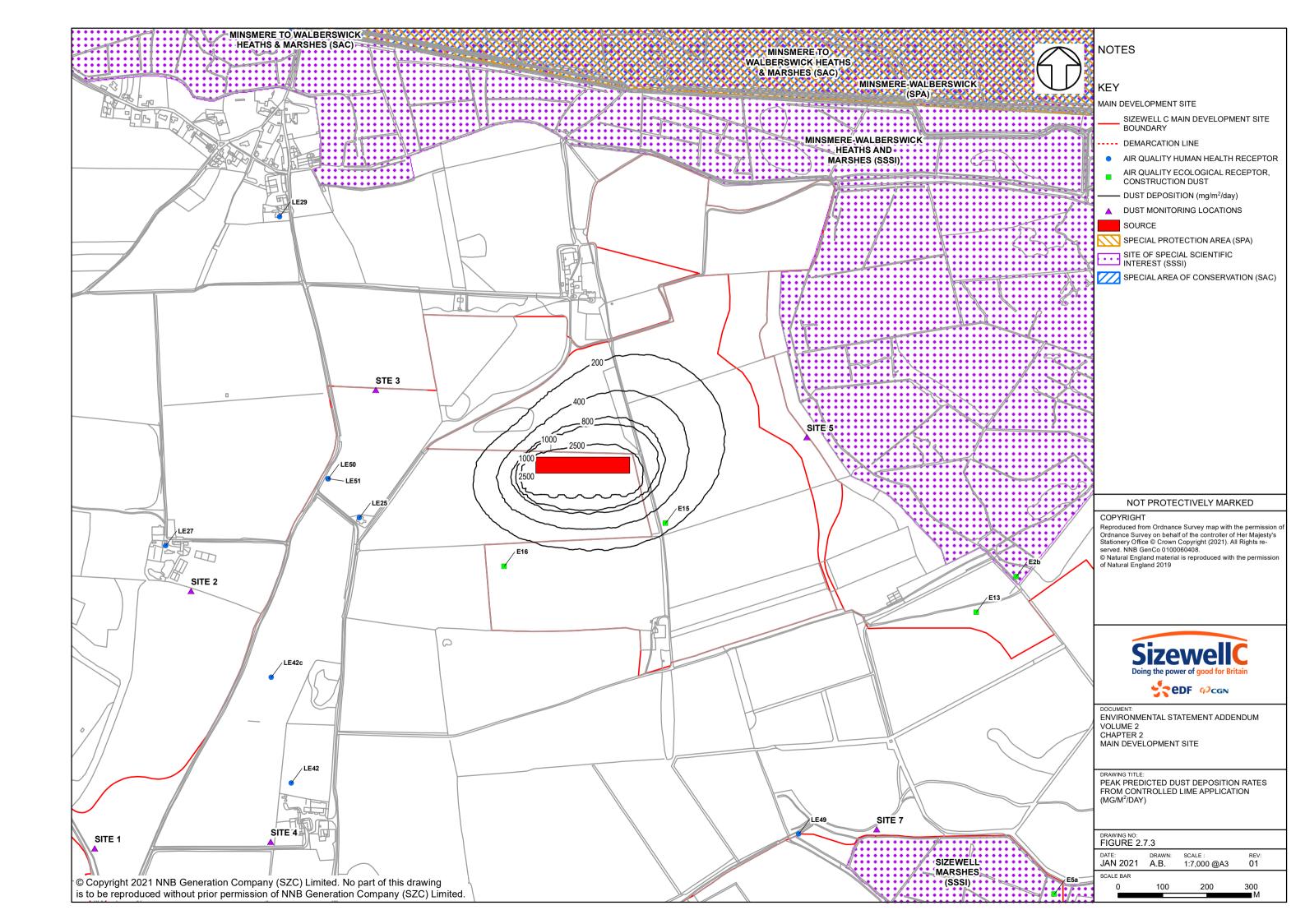
TEMPORARY BLF ON FISH RECEPTORS

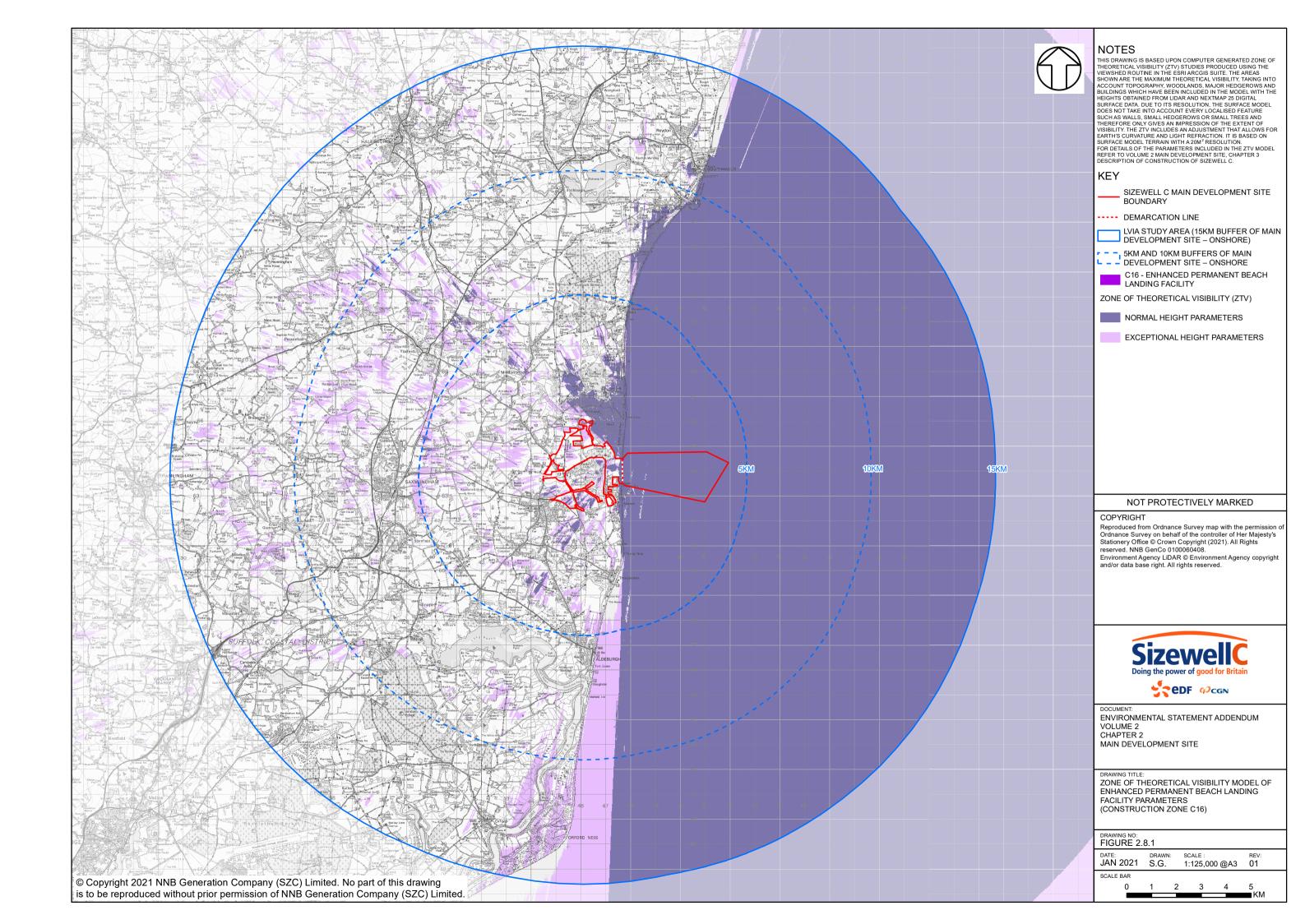
FIGURE 2.18.1: MARINE HISTORIC ENVIRONMENT STUDY AREA WITH

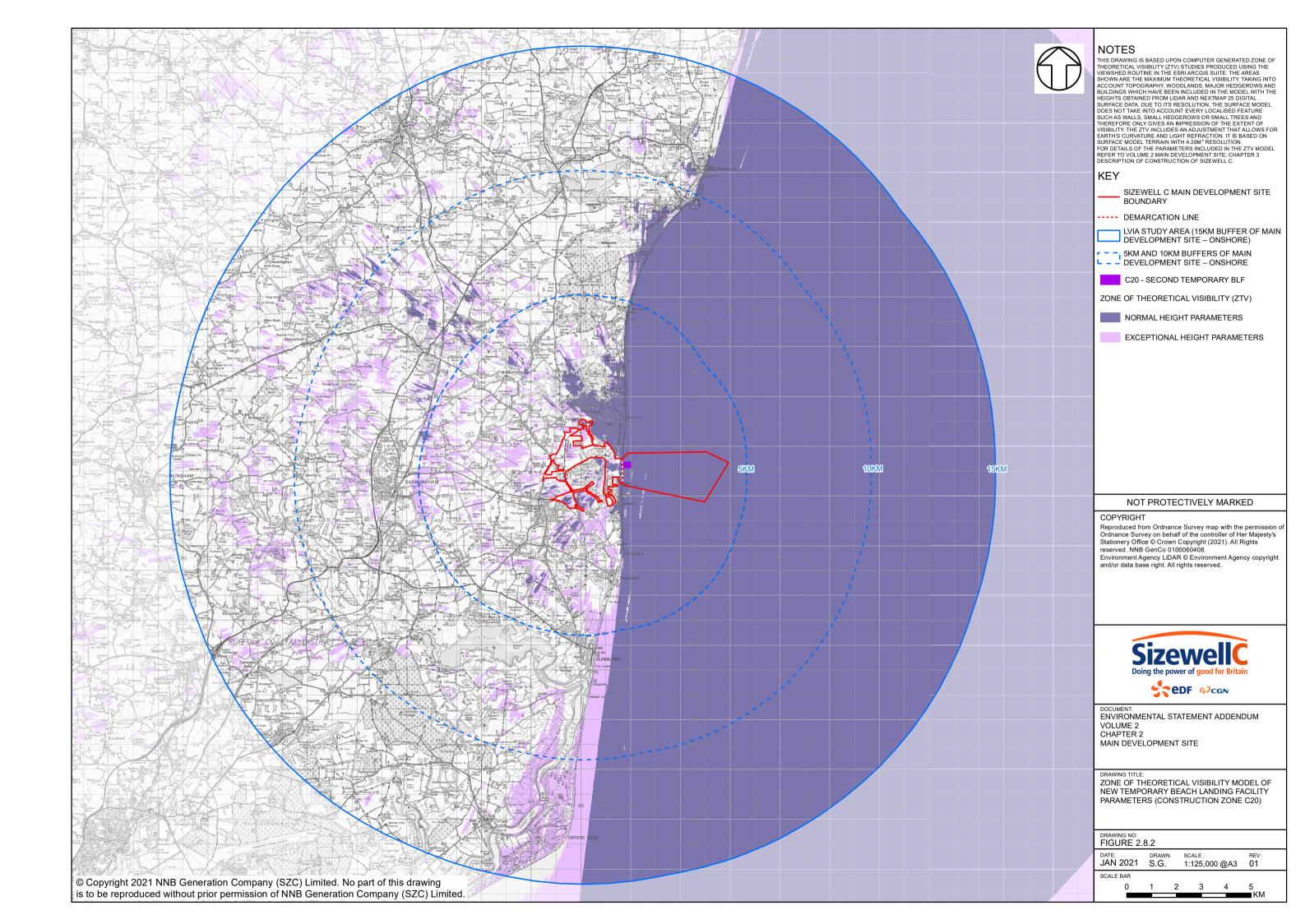
PROPOSED BEACH LANDING FACILITY

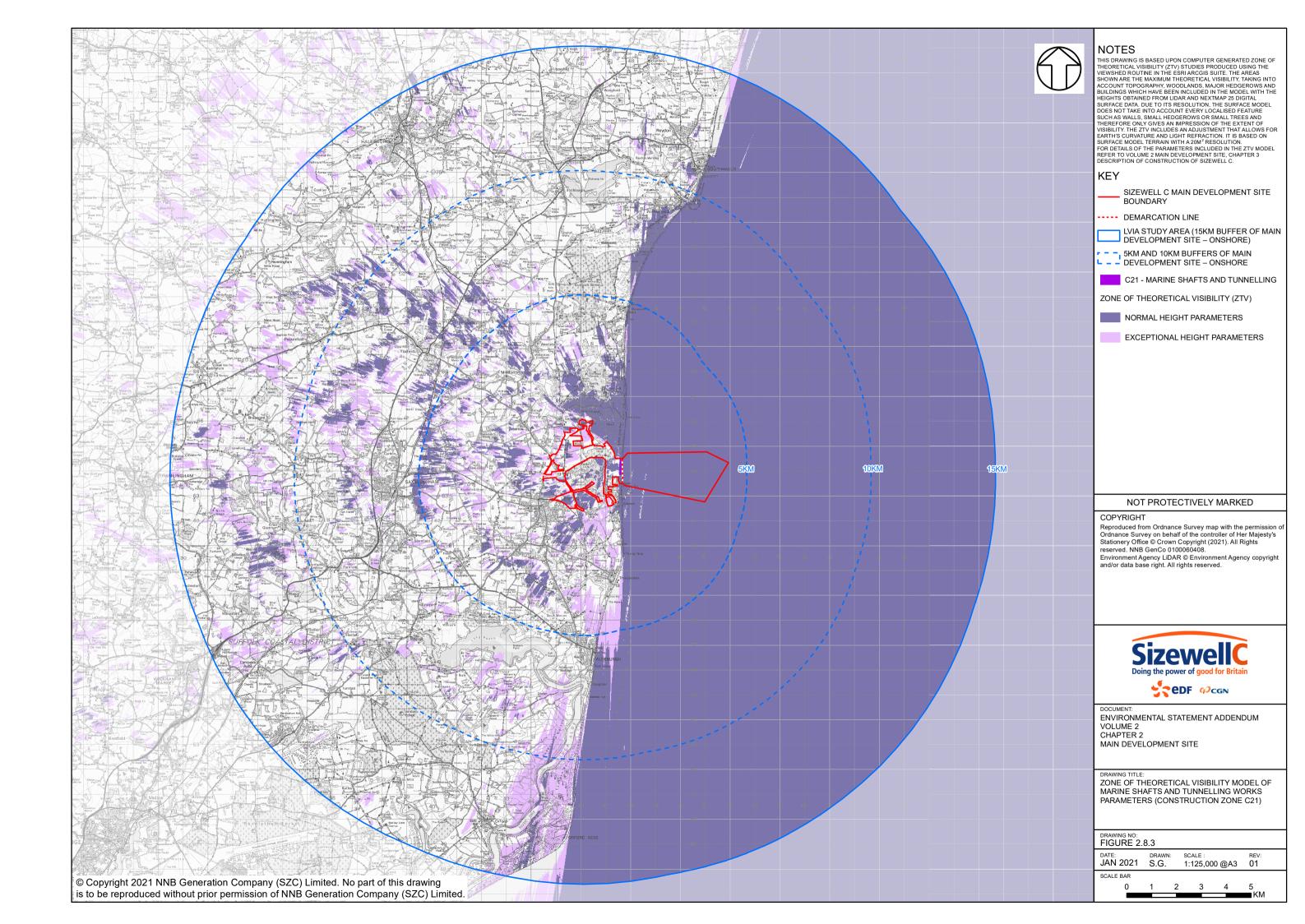


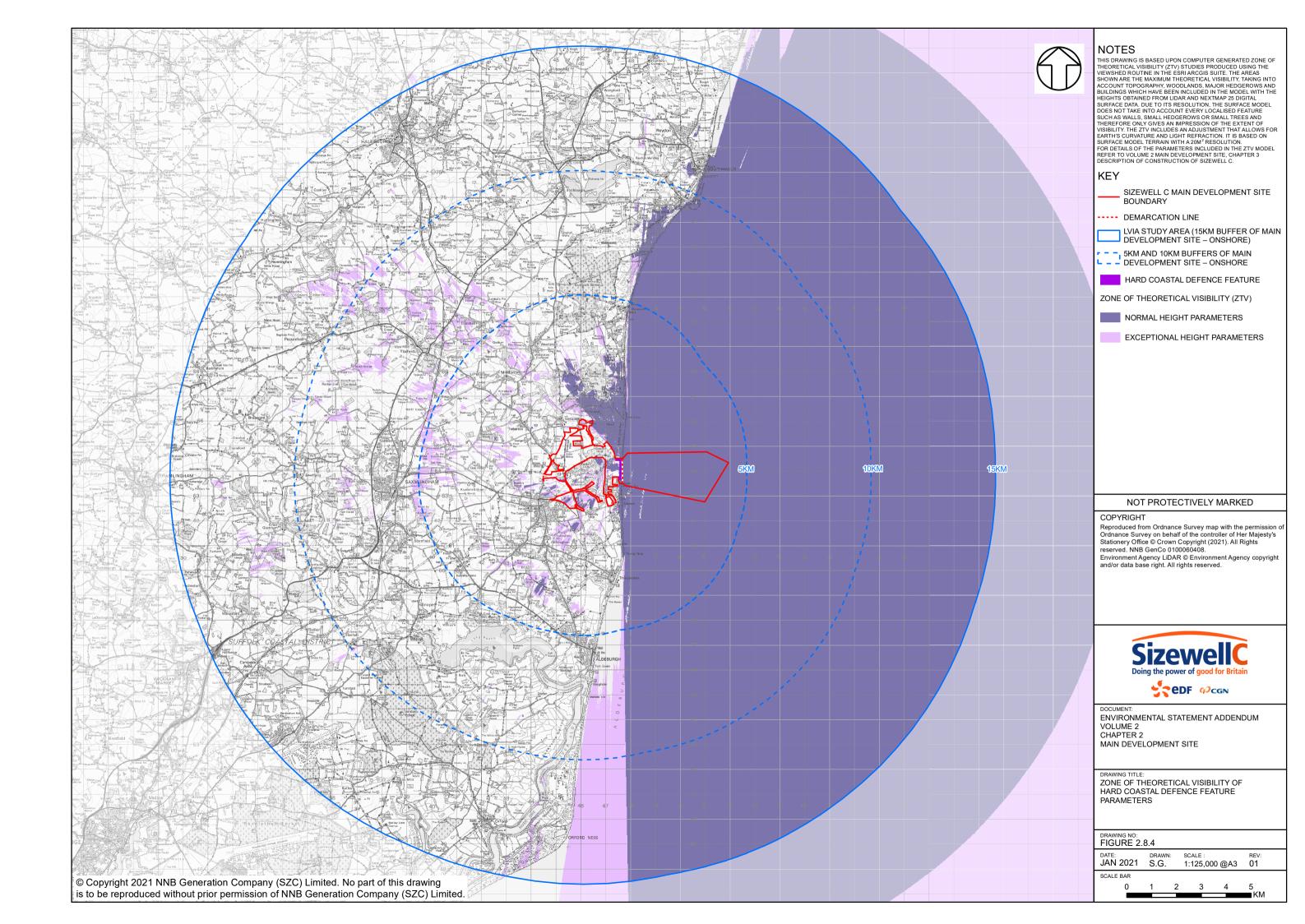














Representative Viewpoint 6: Suffolk Coast Path east of Goose Hill

#### **Existing View:**

This viewpoint is located on the Suffolk Coast Path and public footpath (E-363/021/0) a short distance to the east of the where the Sandlings Walk enters/leaves Goose Hill. The view south, illustrated in the photograph, comprises a foreground of coastal grassland and concrete war-time defences, along with the low vegetated dune and existing northern mound and sea defences. The main structures at Sizewell A and Sizewell B are prominent features in the view. Views beyond the extents illustrated to the north include undulating coastal grasslands, beyond which is rising land at Dunwich Heath (in which the Dunwich Coastguard Cottages are visible) and the curving profile of the Greater Sizewell Bay towards Southwold. Views immediately east encompass vegetation across low coastal dunes, with glimpsed views of the open sea. Views west are to vegetated dunes and vegetation fringing the Minsmere Levels.

#### **Construction Effects:**

During the initial phase of construction, activity associated with the demolition of the existing northern mound and sea defences, construction of the proposed sea defences and northern mound and with marine shafts and tunnelling works would be prominent in the view. Construction activity would remain visible throughout the construction phase and in particular when cranes are in use. Views would also include the construction and operation of the access road, enhanced permanent beach landing facility, new temporary beach landing facility which will extend offshore and cross over the beach and temporary sea defence, moored and moving vessels offshore and vehicles and infrastructure at the SSSI crossing. The long-term effect would be Large scale and Adverse (exceptional and normal).

#### **Operational Effects:**

During the operational phase, there would be views of the new power station structures and notably the main reactors and turbine halls, emergency diesel generators and cooling water pump houses. New pylon towers/pylon lines would also be visible. The reinstated sea defences and northern mound would partially screen the lower sections of the operational power station and ancillary structures, however, the new power station would be a prominent feature in the view. The access road and enhanced permanent beach landing facility would be visible in the foreground. Proposed planting would help to integrate the re-engineered northern mound into the surrounding coastal landscape. Glimpsed views of vehicles on the SSSI crossing would be possible prior to the establishment of proposed vegetation. The long-term and permanent effect would be of Large scale and Adverse.

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#### VIEWPOINT INFORMATION

OS REFERENCE: 647622 E 264561 N

EYE LEVEL (AOD): 5.6M

CAMERA: CANON EOS 5D MARK III

LENS: SIGMA 50MM F1.4

CAMERA HEIGHT 1 5M AGI

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REPRESENTATIVE VIEWPOINT 6: PHOTOGRAPH PANEL

MAIN DEVELOPMENT SITE

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FIGURE 2.8.5

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Representative Viewpoint 10: Suffolk Coast Path and Sandlings Walk east of Hill Wood

#### **Existing View:**

This viewpoint is located on the Suffolk Coast Path/Sandlings Walk and public footpath (E-363/021/0) east of Hill Wood, a short distance south of the Sizewell power station complex and east of the Sizewell Beach car park. The existing view encompasses the existing Sizewell A and Sizewell B power stations and sea defences. Sizewell A and Sizewell B are prominent elements in the view north along the coastal strip. Ancillary structures and features are also visible, including security fencing and lighting columns. Views to lower structures and vehicles within the existing Sizewell power station complex are generally screened by landform, the sea defences and vegetation. Expansive views (beyond the extents illustrated) are possible to north and south along the coastline and eastwards out to sea.

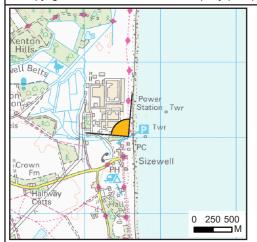
#### **Construction Phase Effects:**

During the initial phase of construction works, activity associated with the demolition and reconstruction of the northern mound and sea defences and with marine shafts and tunnelling works would be prominent features in the view north along the coastal strip. Construction activity would remain visible throughout the construction phase and particularly when cranes are in use around the emerging main development site. Views would also be possible of the construction and operation of the access road, enhanced permanent beach landing facility, new temporary beach landing facility will extend offshore and cross over the beach and temporary sea defence, and moored and moving vessels offshore. The long-term effects would be **Large** scale and **Adverse** (exceptional and normal).

#### **Operational Phase Effects:**

During the operational phase, the proposed Sizewell C power station would be visible on the same axial alignment as the existing Sizewell A and Sizewell B power stations. The majority of lower structures and infrastructure would be screened by the reinstated sea defences and existing power station structures. However, views to structures, including the turbine halls, cooling water pump houses and outage store (seen between Sizewell A and Sizewell B) would be possible. Views may also be possible of the access road and enhanced permanent beach landing facility. The long-term and permanent effects would be **Small** scale and **Adverse**.

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#### VIEWPOINT INFORMATION

OS REFERENCE: 647573 E 263004 N

EYE LEVEL (AOD): 5.5

CAMERA: CANON EOS 5D MARK III

LENS: SIGMA 50MM F1.4

CAMERA HEIGHT: 1.5M AGL

PHOTO DATE / TIME: 27/02/2019 10:50

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CHAPTER 2
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REPRESENTATIVE VIEWPOINT 10:
PHOTOGRAPH PANEL

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Representative Viewpoint 14: Suffolk Coast Path at Minsmere Sluice

#### **Existing View:**

This viewpoint is located on the Suffolk Coast Path (public footpath E-363/021/0/). It is also on the Coast Trail within the RSPB Minsmere Trail Guide and pedestrian access point into the RSPB Minsmere Reserve. It lies a short distance east of Minsmere Sluice and close to the junction of the footpath (E-363/020/0) which extends between the beach and village of Eastbridge. The expansive view south encompasses a foreground of vegetated dunes towards the existing Sizewell A and Sizewell B power stations which are relatively prominent features at the junction of land and sea along with pylon towers/power lines visible above forestry at Goose Hill/Kenton Hills. Offshore, the Sizewell B offshore inlet and outfall rigs are also visible and the only prominent features in the otherwise open sea. To the right of the view extends the Minsmere Level (the majority of which falls within the RSPB Minsmere Reserve) which forms part of the extensive

Minsmere-Walberswick Heaths and Marshes SSSI. The ruins of Leiston Old Abbey are visible in the views inland. Views north (outside the view illustrated) extend along the curving coastline of the Greater Sizewell Bay to Southwold and include rising land at Dunwich Heath and Dunwich Coastguard Cottages.

#### **Construction Phase Effects:**

The demolition and reconstruction of the northern mound and sea defences and activity associated with marine shafts and tunnelling works would be visible on the coastline during the initial phases of construction. Despite the screening afforded by intervening forestry, cranes and tall plant (including the batching plant) would be visible above forestry at Kenton Hills/Goose Hill. Views of the upper sections of stockpiles would also be possible. Lower elements of construction would largely be contained behind intervening vegetation. However, views would be possible to

the water management zone north of Goose Hill, enhanced permanent beach landing facility and access road, new temporary beach landing facility which will extend offshore and cross over the beach and temporary sea defence, and moored and moving vessels offshore. Long-term effects would be **Large** scale and **Adverse** (exceptional and normal).

#### Operational Phase Effects:

During the operational phase, the majority of the new power station structures would be visible closer to the viewpoint location than the existing power station (but along the same axial alignment). Existing pylons and parts of Sizewell B would be screened by the new structures. Several of the proposed pylon tower/power lines would also be visible. The sea defences would be visible and represent a noticeable change to the existing view, and it is anticipated that the enhanced permanent beach landing facility would be visible. Prior to the establishment of proposed planting the access road/SSSI crossing would be visible. The long-term and permanent effects would be **Medium** scale and **Adverse**.

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#### VIEWPOINT INFORMATION

OS REFERENCE: 647781 E 266137 N

EYE LEVEL (AOD): 7.6M

CAMERA: CANON EOS 5D MARK III

LENS: SIGMA 50MM F1.4

CAMERA HEIGHT: 1.5M AGL

PHOTO DATE / TIME: 17/02/2016 10:30

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REPRESENTATIVE VIEWPOINT 14:
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Representative Viewpoint 15: Beach at Thorpe Ness

#### **Existing View:**

This viewpoint is located on the beach at Thorpe Ness, east of the coastal footpath (E0106/033/0) that runs along the top of the cliffs seaward of Ness House (which is visible in the left of the view). Expansive views are possible from this location to the north along the curving coastline of the Greater Sizewell Bay to Southwold, and east out to sea. Views directly south are truncated by the profile of the beach and to the west by coastal cliffs. In the view northwards Sizewell A is visible above the line of cliffs with elements of Sizewell B, including lower level structures and security fencing visible above the level of the sea defences. Sizewell B offshore inlet and outfall rigs are also visible and the only prominent features in the otherwise open sea.

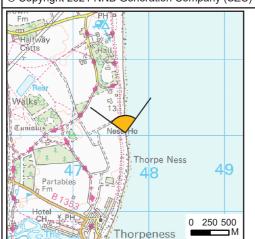
#### **Construction Phase Effects:**

The majority of construction activity would be screened from view by intervening landform from this location. However, cranes within the main development site would be visible above the existing power station structures. There would also be views to construction works associated with the removal and reconstruction of the northern mound and sea defences, marine shafts and tunnelling works, the enhanced permanent beach landing facility, new temporary beach landing facility which will extendd offshore and cross the over the beach and temporary sea defence, and moored and moving vessels offshore. Effects would be of Large-Medium scale and Adverse (exceptional and normal).

#### **Operational Phase Effects:**

During the operational phase, the majority of proposed Sizewell C structures would be screened from view by the existing power stations, however, glimpsed views may be possible. The sea defences would also be visible and there would be views to the enhanced permanent beach landing facility. Effects would be of **Small** scale and **Adverse** (Long-term and Permanent).

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#### VIEWPOINT INFORMATION

OS REFERENCE: 647687 E 261036 N

EYE LEVEL (AOD): 3.7M

CAMERA: CANON EOS 5D MARK III

LENS: SIGMA 50MM F1.4

CAMERA HEIGHT: 1.5M AGL

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REPRESENTATIVE VIEWPOINT 15:
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Representative Viewpoint 16: RSPB Minsmere (Whin Hill)

#### **Existing View:**

This viewpoint is located at Whin Hill a short distance south of Sheepwash Lane which is the vehicular access route to the RSPB Minsmere Reserve. It is located on two promoted RSPB Minsmere Trails (Island Mere Trail and Woodland Trail). The viewpoint provides expansive views south across the Minsmere Level to the slightly elevated arable farmland/woodland copses south of the footpath between Eastbridge and Minsmere Sluice and wooded/forested horizon. The upper sections of the existing Sizewell A and Sizewell B power stations and pylon towers/power lines are visible against the sky above the forestry at Goose Hill and Kenton Hills. Further to the right (beyond the extents illustrated), glimpsed views of Eastbridge are possible.

#### **Construction Phase Effects:**

Intervening woodland/forestry would screen views to the majority of the construction phase works such as compounds and borrow pits. However, cranes would be visible above the woodland/forestry across a relatively wide extent of the view. Views are also anticipated to other taller elements including stockpiles and batching plant. Views to the construction of the flood mitigation area (north of Lower Abbey Farm) and to the water management zone are also likely to be possible as they lie north of the main areas of existing forestry. Some views may also be possible to tall plant operating at the enhanced permanent beach landing facility and temporary beach landing facility. Effects would be of Large-Medium scale and Adverse (exceptional) and Medium scale and Adverse (normal).

#### **Operational Phase Effects:**

During the operational phase, the proposed Sizewell C power station would be visible and screen views of the existing Sizewell A and Sizewell B power stations. The most prominent features would be the main reactor buildings, northernmost turbine hall, interim spent fuel store and pylons with lower level buildings and infrastructure largely screened by intervening vegetation. The permanent flood mitigation area would also be visible, albeit in keeping with the surrounding landscape character as new planting becomes established. Effects would be of Medium-Small scale and Adverse (Longterm and Permanent).

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#### VIEWPOINT INFORMATION

OS REFERENCE: 646525 E 267206 N

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CAMERA: CANON EOS 5D MARK III

LENS: SIGMA 50MM F1.4

CAMERA HEIGHT 1 5M AGI

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FIGURE 2.8.9 JAN 2021 SCALE:



Representative Viewpoint 17: National Trust Dunwich Coastguard Cottages car park

#### **Existing View:**

This viewpoint is located adjacent to picnic tables to the south of the National Trust's Coastguard Cottages. It is a short distance east of an extensive area of open access land at Dunwich Heath and Suffolk Coast Path/public footpath (E-225/014/0). The relatively elevated location provides expansive views south across the adjacent Minsmere Level/ RSPB Minsmere Reserve, including low lying reed beds/areas of open water. The ruins of the Leiston Abbey first site are also visible. The view south is towards a consistent wooded/forested horizon, formed by Goose Hill and Kenton Hills and other woodlands. The view also includes the coastal strip, comprising shingle beaches and vegetated dunes to Thorpe Ness and to and across the open sea. The upper sections of the existing Sizewell A and Sizewell B power stations and pylon towers/pylon lines are visible against the sky above forestry at Goose Hill and Kenton Hills. The Sizewell B offshore inlet and outfall rigs are also visible. Views

north (beyond the extent of the view illustrated) include Coastguard Cottages set within a context of trees and gorse/heathland and the sweeping coastline of the Greater Sizewell Bay.

#### Construction Phase Effects:

The most visible elements would be construction around the power station platform. Intervening woodland/forestry would screen views of the majority of the lower construction phase works such compounds and borrow pits within the temporary construction area. However, cranes would be visible above woodland across a relatively wide extent of the view, and potentially to other elements associated with the construction phase including stockpiles and batching plant and water management zone north of Goose Hill. Views would also be possible to the demolition and reconstruction of the northern mound and sea defences, activity associated with marine © Copyright 2021 NNB Generation Company (SZC) Limited. No part of this drawing is to be reproduced without prior permission of NNB Generation Company (SZC) Limited.

shafts and tunnelling works, the enhanced permanent beach landing facility, new temporary beach landing facility which will extend offshore and cross over the beach and temporary sea defence and moored and moving vessels offshore. Effects would be of Large-Medium scale and Adverse (exceptional and normal).

#### **Operational Phase Effects:**

During the operational phase, the proposed Sizewell C power station would be visible and screen part of Sizewell B and existing pylons. The most prominent features would be the main reactor buildings and turbine halls. Other structures, including the cooling water pump houses and interim spent fuel store would also be visible. Whilst retained woodland and forestry would screen views to lower level buildings and infrastructure there would be some views, and in particular prior to the establishment of proposed planting. The beach landing facility would be visible during use. Effects would be of Medium-Small scale and Adverse (Long-term and Permanent).



#### VIEWPOINT INFORMATION

OS REFERENCE: 647745 E 267702 N

EYE LEVEL (AOD): 17 1M

CAMERA CANON EOS 5D MARK III

I FNS: SIGMA 50MM F1.4

CAMERA HEIGHT 1 5M AGI

PHOTO DATE / TIME: 24/02/2016 13:15

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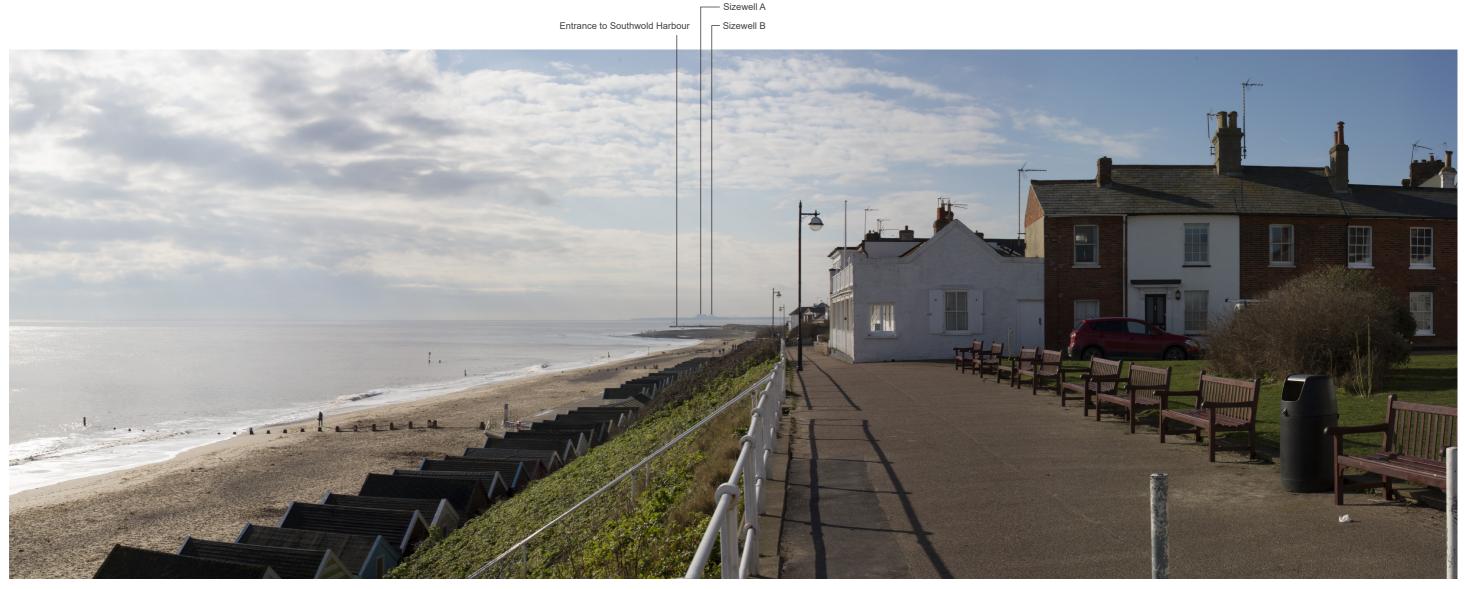
MAIN DEVELOPMENT SITE

REPRESENTATIVE VIEWPOINT 17: PHOTOGRAPH PANEL

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FIGURE 2.8.10 JAN 2021 NTS



Representative Viewpoint 23: Promenade, Southwold at junction with East Cliff Road

#### **Existing View:**

This viewpoint is located on the promenade at Southwold and is within the Southwold Conservation Area. It is also on the route of the Suffolk Coast Path and Sustrans Regional Cycle Route 41/42. The view east is to buildings facing onto the Promenade. The view north (out of the extent illustrated) is along the seafront and beach to Southwold Pier. East the views are across expansive areas of open sea. The view south is similarly expansive and stretches along the beach and coastal dunes, beyond the entrance to Southwold Harbour as far as Thorpeness. The existing power stations at Sizewell A and Sizewell B are visible on the horizon, above the level of woodlands at Kenton Hills and Goose Hill.

#### **Construction Phase Effects:**

Due to the distance (over 11km), demolition and construction activity associated with the northern mound and sea defences would only be distinguishable in clear weather conditions. Views would be possible of the upper sections of cranes concentrated around the main development site to the right of the existing power station structures. These would rise above the height of the existing buildings but occupy a relatively small section of the view. Views would also be possible to moving vessels offshore and moored at the enhanced permanent beach landing facility and new temporary beach landing facility. Effects would be of **Small** scale and **Adverse** (exceptional and normal).

#### **Operational Phase Effects:**

The proposed Sizewell C power station structures would be seen in the context of the existing Sizewell A and Sizewell B power stations. The most prominent features would be the main reactor buildings and turbine halls. Under clear weather condition it is judged other lower level structures would also be discernible. Effects would be of **Small-Negligible** scale and **Adverse** (Long-term and Permanent).

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#### VIEWPOINT INFORMATION

OS REFERENCE: 650994 E 276173 N

EYE LEVEL (AOD): 13.6M

CAMERA: CANON EOS 5D MARK III

LENS: SIGMA 50MM F1.4

CAMERA HEIGHT: 1.5M AGL

PHOTO DATE / TIME: 25/02/2016 10:35

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REPRESENTATIVE VIEWPOINT 23:
PHOTOGRAPH PANEL

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DRAWING NO:
FIGURE 2.8.11

DATE: DRAWN: SCALE:
JAN 2021 S.G. NTS



Representative Viewpoint 26: 1800m directly east of Sizewell power stations

#### **Existing View:**

This viewpoint is located approximately 1800m east of the existing Sizewell power stations. The views landward are expansive, extending along the coast of the Greater Sizewell Bay between Southwold in the north to Thorpe Ness in the south, and beyond to Orfordness (beyond the extents of the view illustrated). The existing Sizewell power station structures form prominent features in views directly inland from this location. South of Hill Wood, pylon towers/pylon lines are also visible. The existing inlet and outfall rigs are also visible in an otherwise undeveloped seascape.

#### **Construction Phase Effects:**

During construction, there would be direct views of activity along the coastal strip including the felling of trees within Goose Hill, and works associated establishing the sea defences, northern mound, enhanced permanent beach landing facility (and access) and new temporary beach landing facility, moored and moving vessels offshore, and establishment of the SSSI crossing. The most prominent activity visible would be associated with cranes operating within the main development site and moored vessels at the enhanced permanent beach landing facility and new temporary beach landing facility and moving vessels offshore. Views may also be possible to construction activity further inland, including cranes operating within Land East of Eastlands Industrial Estate. Effects would be of Large scale and Adverse (exceptional and normal).

#### **Operational Phase Effects:**

During the operational phase, the new power station structures would be visible and seen within the context of the existing power stations at Sizewell A and Sizewell B. Due to the open and expansive nature of the view, there would be relatively unobstructed views (under clear weather conditions) of the majority of proposed structures above the sea defences. The beach landing facility would also be visible. Effects would be of **Medium** scale and **Adverse** (Long-term and Permanent).

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#### VIEWPOINT INFORMATION

OS REFERENCE: 649360 E 263893 N

EYE LEVEL (AOD):

CAMERA: CANON EOS 5D MARK III

LENS: SIGMA 50MM F1.4

CAMERA HEIGHT: 1 5M AGI

PHOTO DATE / TIME: 23/02/2016 09:05

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DRAWING TITLE:
REPRESENTATIVE VIEWPOINT 26: PHOTOGRAPH PANEL

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DATE: JAN 2021

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FIGURE 2.8.12

SCALE:



Representative Viewpoint 31: Shingle beach east of secondary sea defence bund

#### **Existing View:**

This viewpoint is located on Sizewell Beach, seaward of the low coastal dunes / vegetated shingle and a short distance from the Suffolk Coast Path and footpath (E-363/021/0). The view south comprises a foreground of shingle beach fringed by vegetation across the top of the shingle. The existing northern mound and sea defences are in the foreground of Sizewell A and Sizewell B which are prominent features in the view. Offshore the Sizewell B inlet and outfall rigs are visible in an otherwise open seascape.

#### **Construction Phase Effects:**

During the initial phase of construction, activity associated with the demolition and reconstruction of the existing northern mound and sea defences and marine shafts and tunnelling works would be prominent in the view. Construction activity would remain visible throughout the construction works and in particular when cranes are in use. Views would also include the construction and operation of the access road and enhanced permanent beach landing facility, new temporary beach landing facility which will extend offshore and cross over the beach and temporary sea defence and moored and moving vessels offshore. The marine outfall would also be visible. Effects would be of Large scale and Adverse (exceptional and normal).

#### **Operational Phase Effects:**

During the operational phase, the new power station structures would be seen as occupying the same axial configuration as Sizewell A and Sizewell B. New pylon towers/pylon lines would also be visible. The reinstated sea defences and northern mound would partially screen the lower sections of the operational power station and ancillary structures; however the new power station would be a prominent feature in the view. The access road to the enhanced permanent beach landing facility and the enhanced permanent beach landing facility would also be visible. Proposed planting would help to integrate the re-engineered northern mound into the surrounding coastal landscape. It is judged that the effects would be of Large scale and Adverse (Longterm and Permanent).

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#### VIEWPOINT INFORMATION

OS REFERENCE: 647652 E 264746 N

EYE LEVEL (AOD): 4.0M

CAMERA: CANON EOS 5D MARK III

LENS: SIGMA 50MM F1.4

CAMERA HEIGHT 1 5M AGI

PHOTO DATE / TIME: 28/02/2019 15:55

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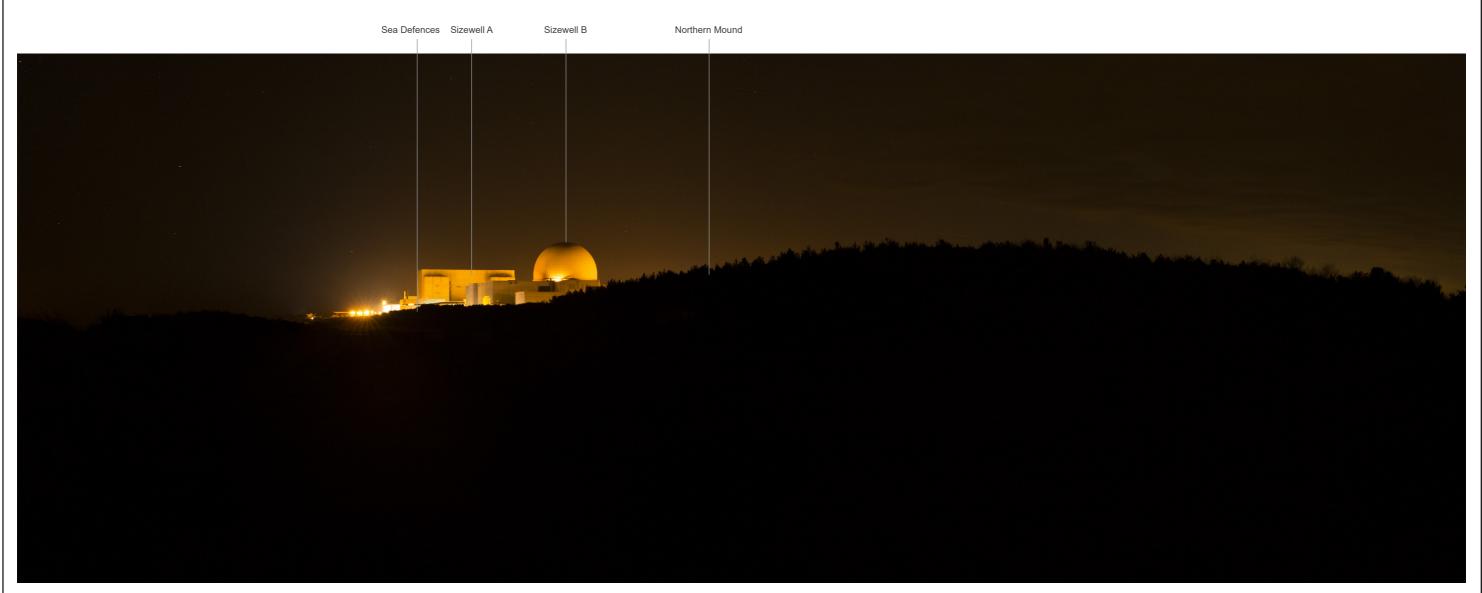
ENVIRONMENTAL STATEMENT ADDENDUM VOLUME 2 MAIN DEVELOPMENT SITE

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REPRESENTATIVE VIEWPOINT 31: PHOTOGRAPH PANEL

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FIGURE 2.8.13 JAN 2021 NTS



Representative Viewpoint 6: Suffolk Coast Path east of Goose Hill

#### **Existing View:**

This viewpoint is located on the Suffolk Coast Path and public footpath (E-363/021/0) a short distance to the east of the where the Sandlings Walk enters/leaves Goose Hill. The view south, illustrated in the photograph, comprises a dark foreground, comprising the beach and existing northern mound and sea defences, beyond which are views to perimeter lights and reflected glow from the existing Sizewell A and Sizewell B power station structures. Lighting within and around properties at Sizewell village is also visible. Sky glow above the existing power stations and above Leiston is also noted. Views to the west and north (beyond the extents illustrated) include a relatively dark coastal environment, albeit Southwold is visible on the distant horizon (north). Views immediately east across low coastal dunes provide glimpsed views of the open predominantly dark sea, with occasional views to red warning lights in the vicinity of the Sizewell B offshore inlet and outfall rigs.

#### **Construction Effects:**

The northern mound and a stretch of the sea defences would be removed providing views into the main construction site including to task and perimeter/security lighting and lighting on structures and vehicles. There would also be views to illuminated cranes. Once established the proposed sea defences and northern mound would screen lower lying construction lighting and activity. However, activity and in particular illuminated cranes would remain visible. Views would also include lighting associated with the construction of the enhanced permanent beach landing facility, and construction and operation of the new temporary beach landing facility, which will extend offshore and cross over the beach and temporary sea defence, vessels moored and moving offshore, and the SSSI crossing. The area of skyglow would be increased above the main development site. Effects would be Large scale and Adverse.

#### **Operational Effects:**

The reconstructed sea defences would partially screen perimeter lighting and the lower sections of the operational power station and ancillary structures. However, the reflected light off the new power station structures would be visible, and notably the turbine halls and northernmost reactor building. Lighting infrastructure and vehicle lights at the Sizewell C car park and access road and SSSI crossing may also be visible, albeit filtered by intervening vegetation. Lighting associated with the operation of the enhanced permanent beach landing facility would be visible when in use. The extent of sky glow would be extended to that currently visible. Effects would be **Large-Medium** scale and **Adverse** (long term and permanent).

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#### VIEWPOINT INFORMATION

OS REFERENCE: 647622 E 264561 N

EYE LEVEL (AOD): 5.6M

CAMERA: CANON EOS 5D MARK III

LENS: SIGMA 50MM F1.4

CAMERA HEIGHT: 1.5M AGL

PHOTO DATE / TIME: 10/02/2016 20:50

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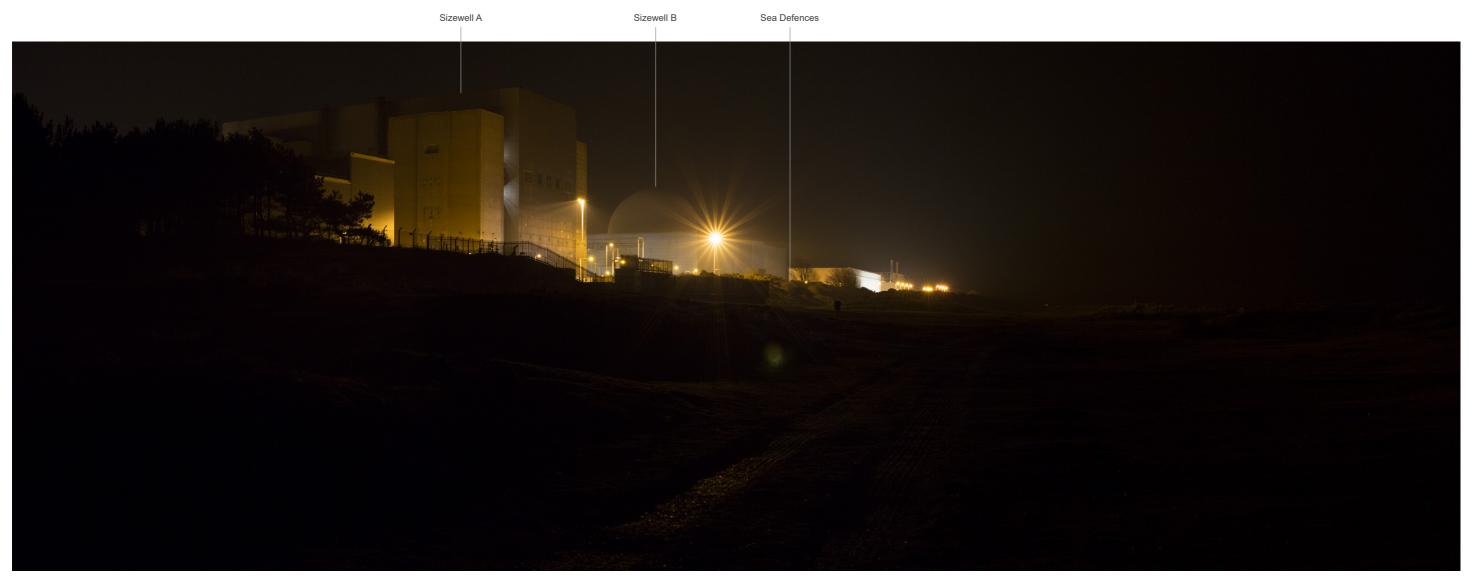
DRAWING TITLE:
NIGHT TIME REPRESENTATIVE VIEWPOINT 6:
PHOTOGRAPH PANEL

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DRAWING NO:
FIGURE 2.8.14

DATE: DRAWN: SCALE:
JAN 2021 S.G. NTS



Representative Viewpoint 10: Suffolk Coast Path and Sandlings Walk east of Hill Wood

#### **Existing View:**

This viewpoint is located on the Suffolk Coast Path/Sandlings Walk and public footpath (E-363/021/0) east of Hill Wood, a short distance south of the Sizewell power station complex and east of the Sizewell Beach car park. The view north illustrated in the photograph, comprises a dark foreground, comprising the beach and existing sea defences, beyond which are views to perimeter lights and reflected glow from the existing Sizewell A and Sizewell B power station structures and an area of sky glow. In the view south (outside the extents illustrated) lighting within Sizewell village is visible. Views to the east (beyond the extents illustrated) include a relatively dark coastal environment, and there are glimpsed views of the open predominantly dark sea, with occasional views to red warning lights in the vicinity of the Sizewell B inlet and outfall rigs.

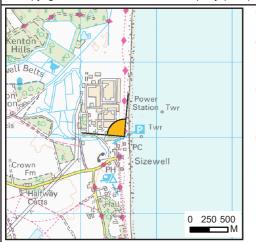
#### **Construction Effects:**

Lighting associated with works to demolish and reconstruct the northern mound and sea defences would be visible on the coastline during the initial phases of construction in views north along the beach. Once established the proposed sea defences would screen lower lying construction lighting and activity. However, illuminated cranes would be visible above the existing power station structures and woodland at Hill Wood (beyond the extent of the view illustrated). Views would also include lighting associated with the construction of the enhanced permanent beach landing facility, and construction and operation of the new temporary beach landing facility, which will extend offshore and cross over the beach and temporary sea defence, and vessels moored and moving offshore. The area of skyglow would be increased above the main development site. Effects would be Large scale and Adverse.

#### **Operational Effects:**

The reconstructed sea defences would partially screen perimeter lighting and the lower sections of the operational power station and ancillary structures. However, the reflected light off the new power station structures would be visible in the view north. Direct views to internal building lights are not anticipated or would be limited. Lighting infrastructure and vehicle lights at the beach landing facility when operational would also be visible. The extent of sky glow would be extended to that currently visible. Effects would be **Medium** scale and **Adverse** (long term and permanent).

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#### VIEWPOINT INFORMATION

OS REFERENCE: 647573 E 263004 N

EYE LEVEL (AOD): 5.5M

CAMERA: CANON EOS 5D MARK III

LENS: SIGMA 50MM F1.4

CAMERA HEIGHT: 1.5M AGL

PHOTO DATE / TIME: 27/02/2019 19:15

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# eDF Pcgn

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NIGHT TIME REPRESENTATIVE VIEWPOINT 10:
PHOTOGRAPH PANEL

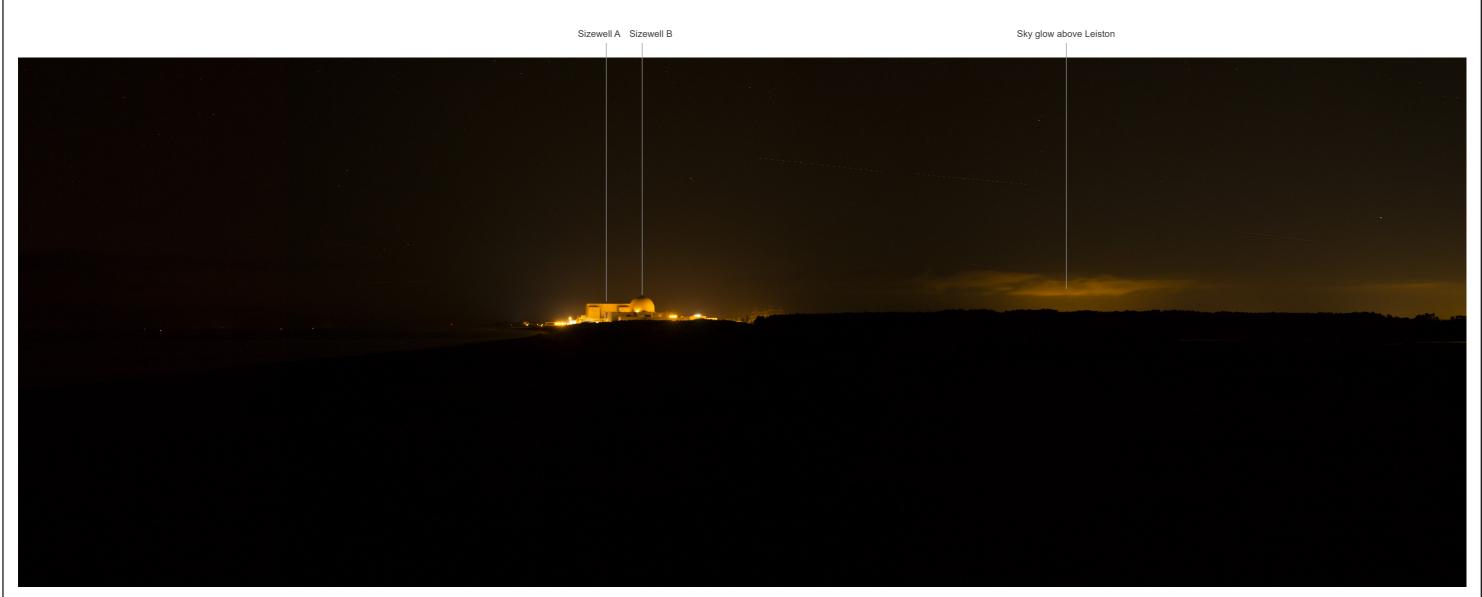
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DRAWING NO:
FIGURE 2.8.15

DATE: DRAWN:
JAN 2021 S.G.



Representative Viewpoint 14: Suffolk Coast Path at Minsmere Sluice

#### **Existing View:**

This viewpoint is located on the Suffolk Coast Path (public footpath E-363/021/0/). It is also on the Coast Trail within the RSPB Minsmere Trail Guide and pedestrian access point into the RSPB Minsmere Reserve. It lies a short distance east of Minsmere Sluice and close to the junction of the footpath (E-363/020/0) which extends between the beach and village of Eastbridge. The expansive views available encompasses a typically dark coastal environment which is interrupted by the illumination of structures at Sizewell A and Sizewell B, point source lights and sky glow in views south along the coastal strip. Limited illumination is also evident at Sizewell village. Sky glow is also visible above Leiston. In views to the north skyglow above Southwold and point source lights in the town are visible. Views offshore are generally across a dark environment, albeit with a consistent horizon of relatively even spaced red lights on turbines marking the extents of the Galloper/Greater Gabbard offshore windfarms in

views to the south east.

#### **Construction Effects:**

Construction lighting would be concentrated around the main development site largely to the right of the existing Sizewell power station complex. The removal of the northern mound would increase the potential for views to lower level lighting in the construction site until the sea defences and northern mound are reconstructed. Task lighting would also be visible during construction activity along the beach and lighting associated with the construction of the enhanced permanent beach landing facility and construction and operation of the new temporary beach landing facility, and vessels moored and moving offshore. The existing retained woodland at Goose Hill and Kenton Hills would generally screen and filter views to lower level lighting and vehicle movements within the temporary construction area, although some views to lighting would be possible, for example at the © Copyright 2021 NNB Generation Company (SZC) Limited. No part of this drawing is to be reproduced without prior permission of NNB Generation Company (SZC) Limited.

SSSI crossing. However, the illuminated upper sections of the emerging power station buildings, cranes, batching plant and sky glow would be visible above the tree line extending towards the sky glow above Leiston. Views of task lighting and operational lighting may also be possible at the water management zone to the north of Goose Hill. Effects would be Large scale and Adverse.

#### **Operational Effects:**

The proposed power station complex would be visible and in part screen the existing Sizewell power station complex. The reinstated sea defences/northern mound and retained vegetation would screen and filter the majority of lower level lighting/vehicle movements. However, there is potential for some views of point source lights around the perimeter of the site, and views to any lighting associated with the operation of the enhanced permanent beach landing facility. Effects would be Medium scale and Adverse (long term and permanent).

DOCUMENT:



### VIEWPOINT INFORMATION

OS REFERENCE: 647781 E 266137 N

EYE LEVEL (AOD): 7 6M

CAMERA CANON EOS 5D MARK III

LENS: SIGMA 50MM F1.4

CAMERA HEIGHT 1 5M AGI

PHOTO DATE / TIME: 10/02/2016 19:00

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ENVIRONMENTAL STATEMENT ADDENDUM VOLUME 2 MAIN DEVELOPMENT SITE

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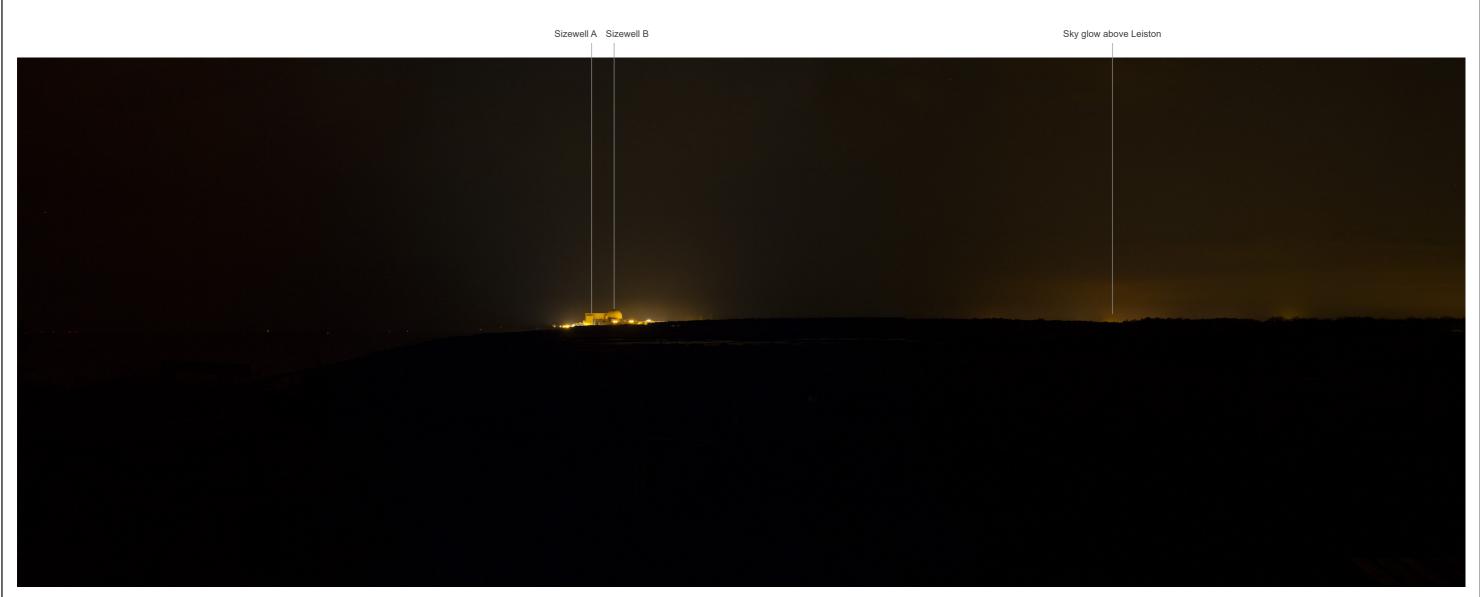
NIGHT TIME REPRESENTATIVE VIEWPOINT 14: PHOTOGRAPH PANEL

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FIGURE 2.8.16

JAN 2021 NTS



Representative Viewpoint 17: National Trust Dunwich Coastguard Cottages car park

#### **Existing View:**

This viewpoint is located adjacent to picnic tables to the south of the National Trust's Coastguard Cottages. It is a short distance east of an extensive area of open access land at Dunwich Heath and Suffolk Coast Path/public footpath (E-225/014/0). The relatively elevated location provides expansive views south across the dark coastal strip and adjacent Minsmere Level/ RSPB Minsmere Reserve which is interrupted by illumination of structures at Sizewell A and Sizewell B, point source lights and sky glow. Sky glow is also visible above Leiston. In views to the north skyglow above Southwold and point source lights in the town are visible (including Southwold Lighthouse). The view north also includes illumination to the exterior of the Coastguard Cottages. Views offshore are generally across a dark environment, albeit with a consistent horizon of relatively even spaced red lights on turbines marking the extents of the Galloper/Greater

Gabbard offshore windfarms in views to the south east and warning lights in the vicinity of the Sizewell inlet and outfall rigs

#### **Construction Effects:**

Construction lighting would be concentrated around the main development site largely appearing to the right of the existing Sizewell B power station complex. The removal of the northern mound would increase the potential for views to lower level lighting into the construction site until the sea defences are reconstructed. Task and other lighting would be visible during construction activity along the beach and associated with the construction of the enhanced permanent beach landing facility, construction and operation of the new temporary beach landing facility and vessels moored and moving offshore. The existing retained woodland at Goose Hill and Kenton Hills would generally screen and filter views to lower level lighting and vehicle movements within the temporary construction area.

However, some views to artificial lighting at the SSSI crossing may be possible. The illuminated upper sections of the emerging power station buildings, cranes, batching plant and sky glow would be visible above the tree line extending towards the sky glow above Leiston. Views of task lighting and operational lighting may also be possible at the water management zone to the north of Goose Hill. Effects would be of Large scale and Adverse.

#### Operational Effects:

The proposed power station complex would be visible and partially screen the existing Sizewell power station complex. The reinstated sea defences and retained vegetation would screen and filter the majority of lower level lighting/vehicle movements. However, there is potential for some views of point source lights around the perimeter of the site, and views to any lighting associated with the operation of the enhanced permanent beach landing facility. Effects would be Medium scale and Adverse (long term and permanent).

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#### VIEWPOINT INFORMATION

OS REFERENCE: 647745 E 267702 N

EYE LEVEL (AOD): 17 1M

CAMERA CANON EOS 5D MARK III

LENS: SIGMA 50MM F1.4

CAMERA HEIGHT 1 5M AGI

PHOTO DATE / TIME: 24/02/2016 19:00

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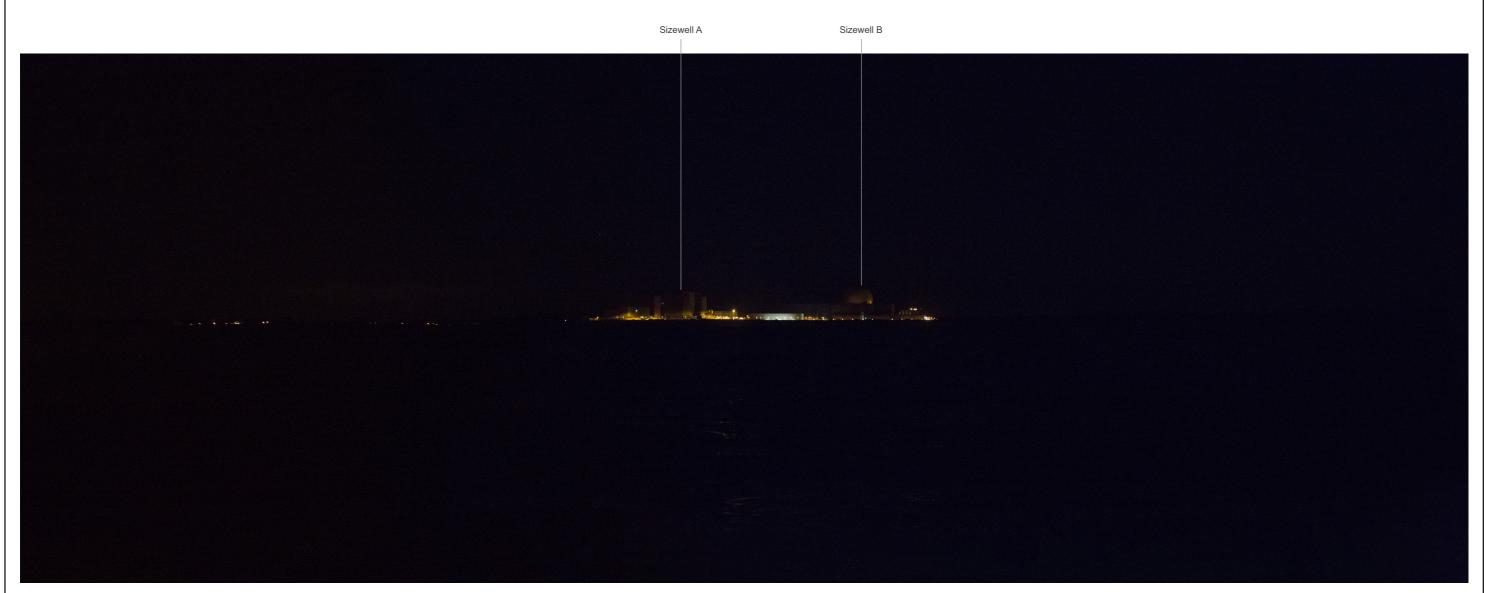
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NIGHT TIME REPRESENTATIVE VIEWPOINT 17: PHOTOGRAPH PANEL

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FIGURE 2.8.17 JAN 2021 NTS



Representative Viewpoint 26: 1800m directly east of Sizewell power stations

#### **Existing View:**

This viewpoint is located approximately 1800m east of the existing Sizewell power stations. The views landward are expansive, extending along the coast of the Greater Sizewell Bay between Southwold in the north to Thorpe Ness in the south, and beyond to Orfordness (beyond the extents of the view illustrated). Point source lighting on the seaward perimeter of the existing Sizewell power station is visible above the sea defences and contributes to the reflected light to several structures along the coastal frontage. Sky glow was observed on site, but is not visible in the photograph illustrated. Views inland are to a generally dark coastline, albeit point source lights are visible at several coastal settlements. Views offshore are typically dark, although red lights on turbines at the Galloper/Greater Gabbard offshore windfarms are visible to the south.

#### **Construction Effects:**

Lighting would be visible on the coast during works to demolish and reconstruct the sea defences and northern mound, and associated with the construction of the enhanced permanent beach landing facility, construction and operation of the new temporary beach landing facility and vessels moored and moving offshore. Prior to completion of the sea defences, direct views to lighting within the construction site would be possible, the screening afforded by plantation woodland at Goose Hill having been felled in an early stage of the construction works. The main form of illumination in the view would arise from cranes and lighting associated with vessel movements and new temporary beach landing facility and it is anticipated that the extent of sky glow would be extended to that which is currently visible. Effects would be of Large scale and Adverse.

#### **Operational Effects:**

During operation perimeter lighting within the main power station would be visible above the level of the sea defences along with reflected illumination of the buildings and skyglow. Lighting associated with the operation of the enhanced permanent beach landing facility would be visible when in use. Effects would be Medium scale and Adverse (long term and permanent).

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#### VIEWPOINT INFORMATION

OS REFERENCE: 649360 E 263893 N

EYE LEVEL (AOD):

CAMERA: CANON EOS 5D MARK III

LENS: SIGMA 50MM F1.4

CAMERA HEIGHT 1.5M AGI

PHOTO DATE / TIME: 23/02/2016 18:50

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MAIN DEVELOPMENT SITE

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NIGHT TIME REPRESENTATIVE VIEWPOINT 26: PHOTOGRAPH PANEL

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FIGURE 2.8.18 DATE: JAN 2021