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PROJECT
NET ZERO TEESSIDE

CLIENT
NZT POWER AND NZNS STORAGE

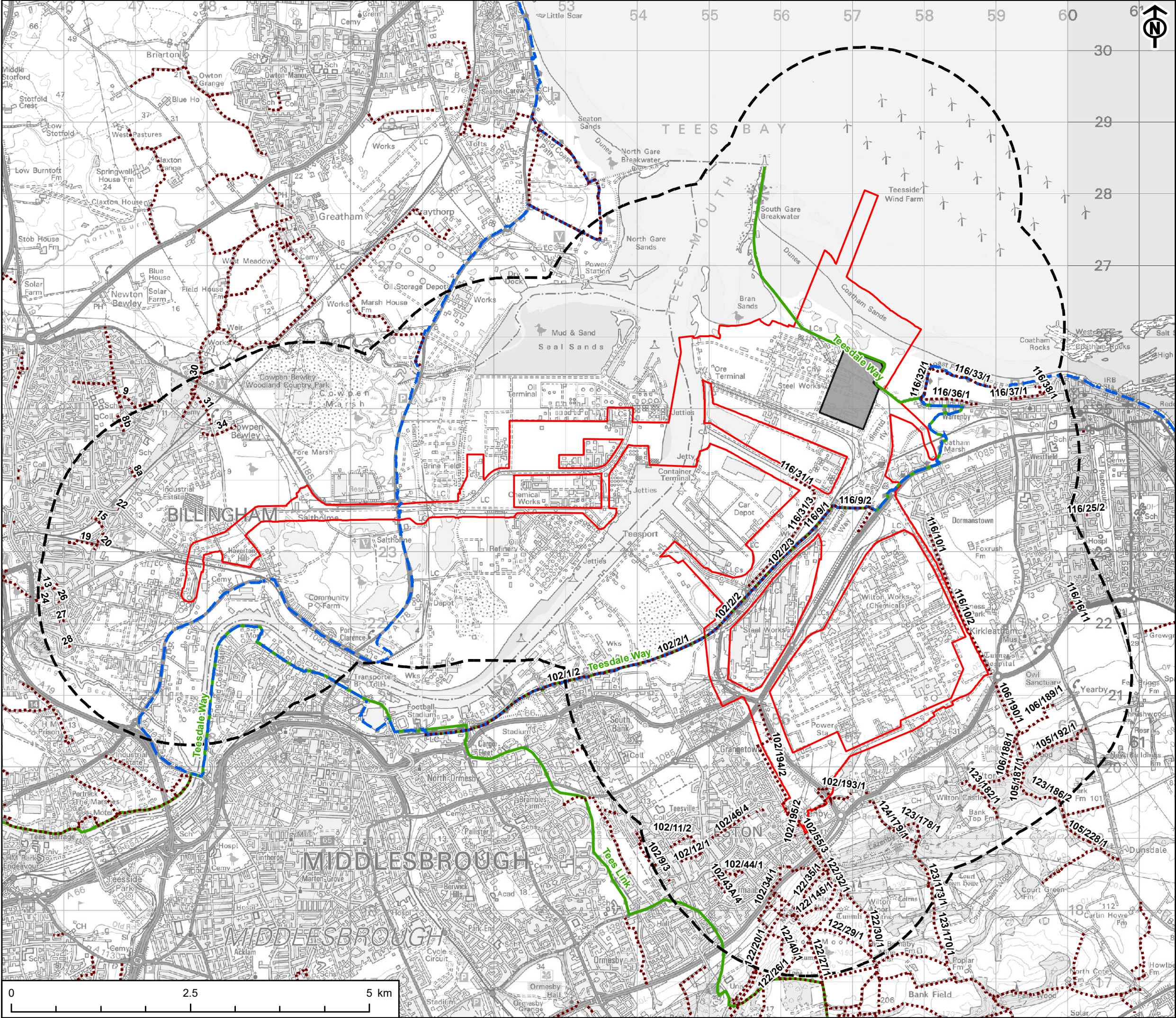
- KEY
- Landscape Study
 - Site Boundary
 - Power, Capture and Compressor Site
 - National Trail / Long Distance Route
 - England Coast Path
 - Public Right of Way
 - Conservation
 - North York Moors National Park
 - Redcar and Cleveland Local Plan
 - N 1 Restoration Landscape
 - N 1 Sensitive Landscape Areas

TITLE
FIGURE 17-1
LANDSCAPE CONTEXT

REFERENCE
NZT_200618_PEI_S_17-1_v4

SHEET NUMBER
1 of 1

DATE
18/06/2020



PROJECT
NET ZERO TEESIDE

CLIENT
NZT POWER AND NZNS STORAGE

- KEY
- 2km Study Area
 - Site Boundary
 - Power, Capture and Compressor Site
 - National Trail / Long Distance Route
 - England Coast Path
 - Public Right of Way

TITLE
FIGURE 17-2
PUBLIC RIGHTS OF WAY WITHIN 2KM

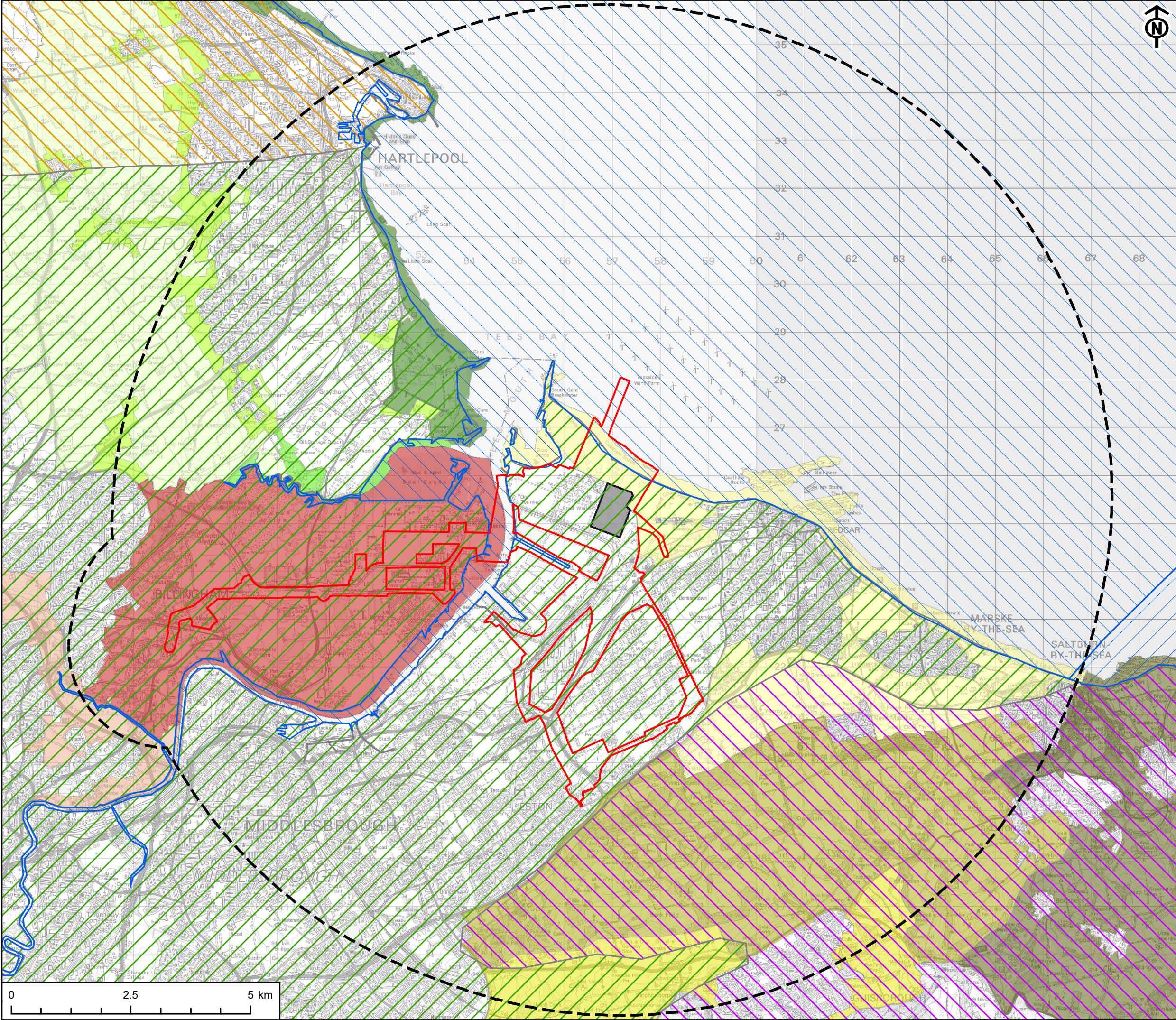
REFERENCE
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SHEET NUMBER
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DATE
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Scale @ A3 1:75,000



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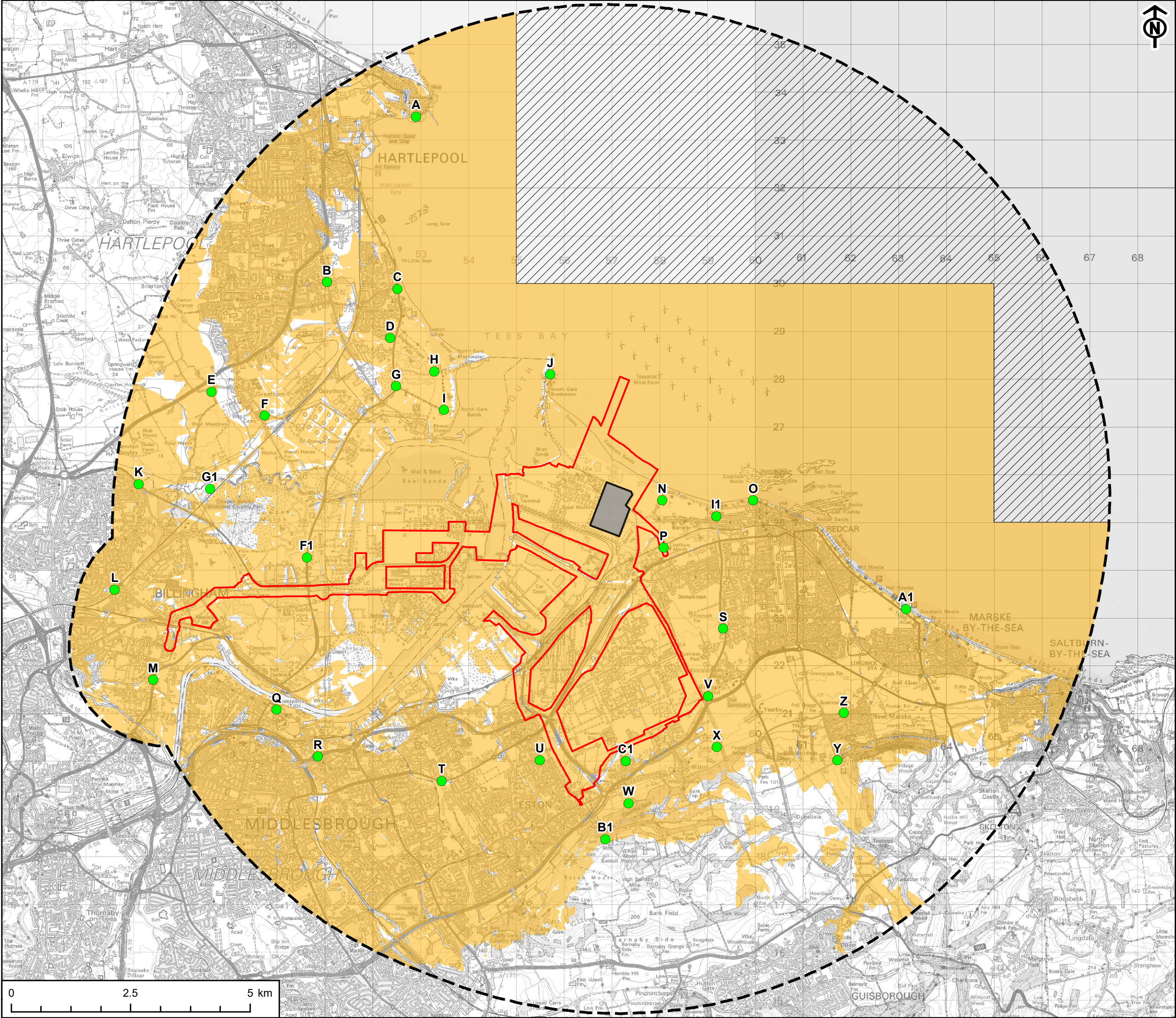
PROJECT	
NET ZERO TEESIDE	
CLIENT	
NZT POWER AND NZNS STORAGE	
KEY	
	Landscape Study Area
	Site Boundary
	Power, Capture and Compressor Site
National Character Area - Natural England	
	NCA 15: Durham Magnesian Limestone Plateau
	NCA 23: Tees Lowlands
	NCA 25: North York Moors and Cleveland Hills
Stockton and Tees Landscape Character Assessment (2011)	
Landscape Character	
	East Billingham to Teesmouth
	Thorpe and Billingham Beck Valley
Redcar and Cleveland Landscape Character SPD (2010)	
Landscape Character Tract	
	East Cleveland Plateau
	Eston Hills
	Guisborough Lowland
	Redcar Flats
Hartlepool Landscape Assessment	
Landscape Character Type	
	Coastal
	Estuarine
	Rural Fringe
	Undulating Farmland
Marine Character Area - MMO	
	MCA 21: North Yorkshire Coastal Waters
	MCA 22: Tyne, Tees and Wear Estuaries and Coastal Waters

TITLE
FIGURE 17-3
LANDSCAPE CHARACTER PLAN

REFERENCE
NZT_200618_PEL_S_17-3_v4

SHEET NUMBER
1 of 1

DATE
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PROJECT

NET ZERO TEESIDE

CLIENT

NZT POWER AND NZNS STORAGE

KEY

Landscape Study

Site Boundary

Power, Capture and Compressor Site

Potential Viewpoint Location

No DTM Coverage

Zone of Theoretical Visibility

NOTE:

Zone of Theoretical Visibility (ZTV) has been generated using Ordnance Survey Terrain 5 digital terrain model which does not take into account the screening effects of vegetation, buildings or other structures. ZTV is based upon a grid of points at 50m apart within the PCC Site footprint at a height of 120m with an observer eye height of 1.6m. All heights mentioned above are above ground level (AGL).

TITLE

FIGURE 17-4
ZONE OF THEORETICAL VISIBILITY AND
POTENTIAL VIEWPOINT LOCATIONS

REFERENCE

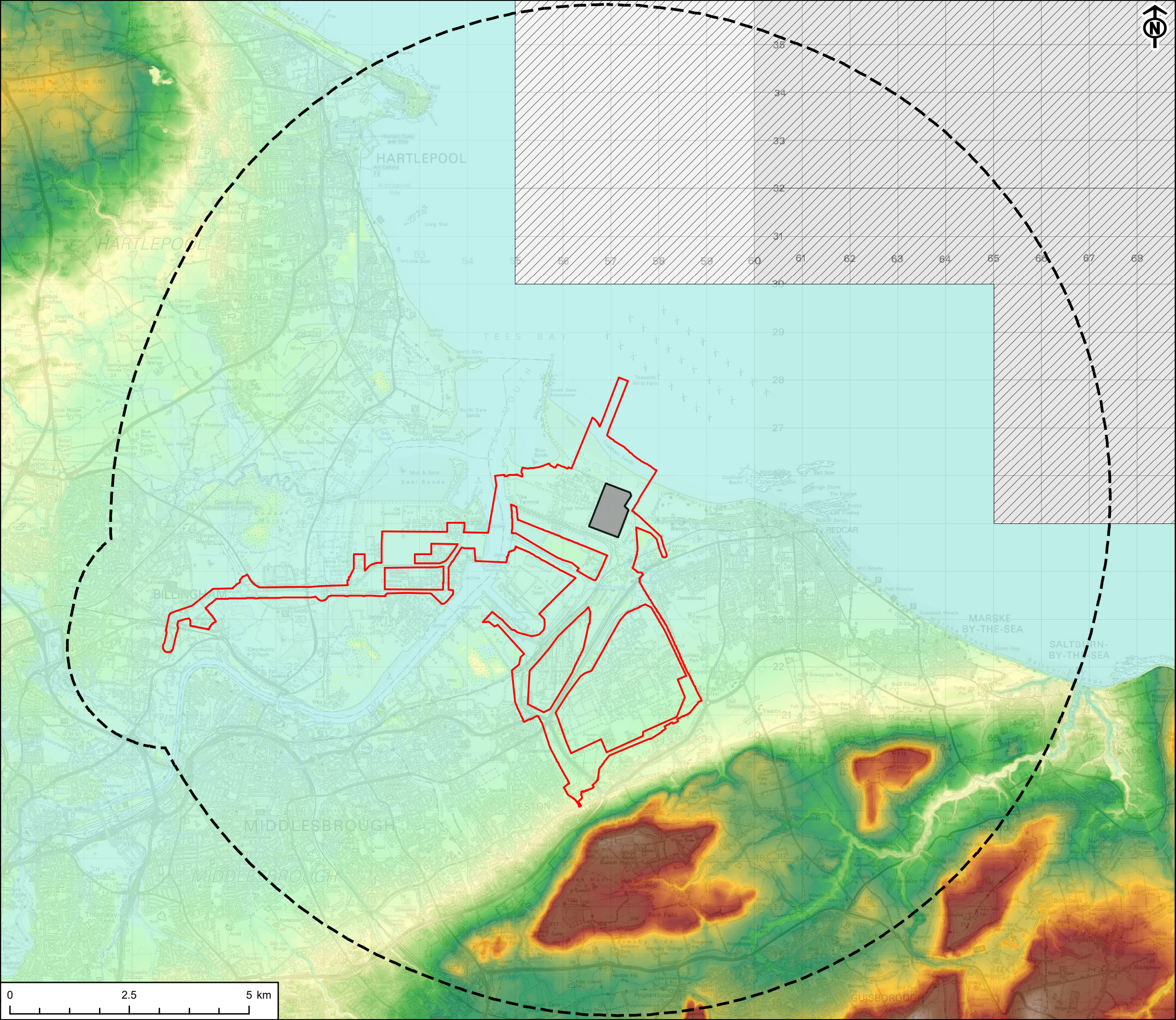
NZT_200619_PEI_S_17-4_v5

SHEET NUMBER

1 of 1

DATE

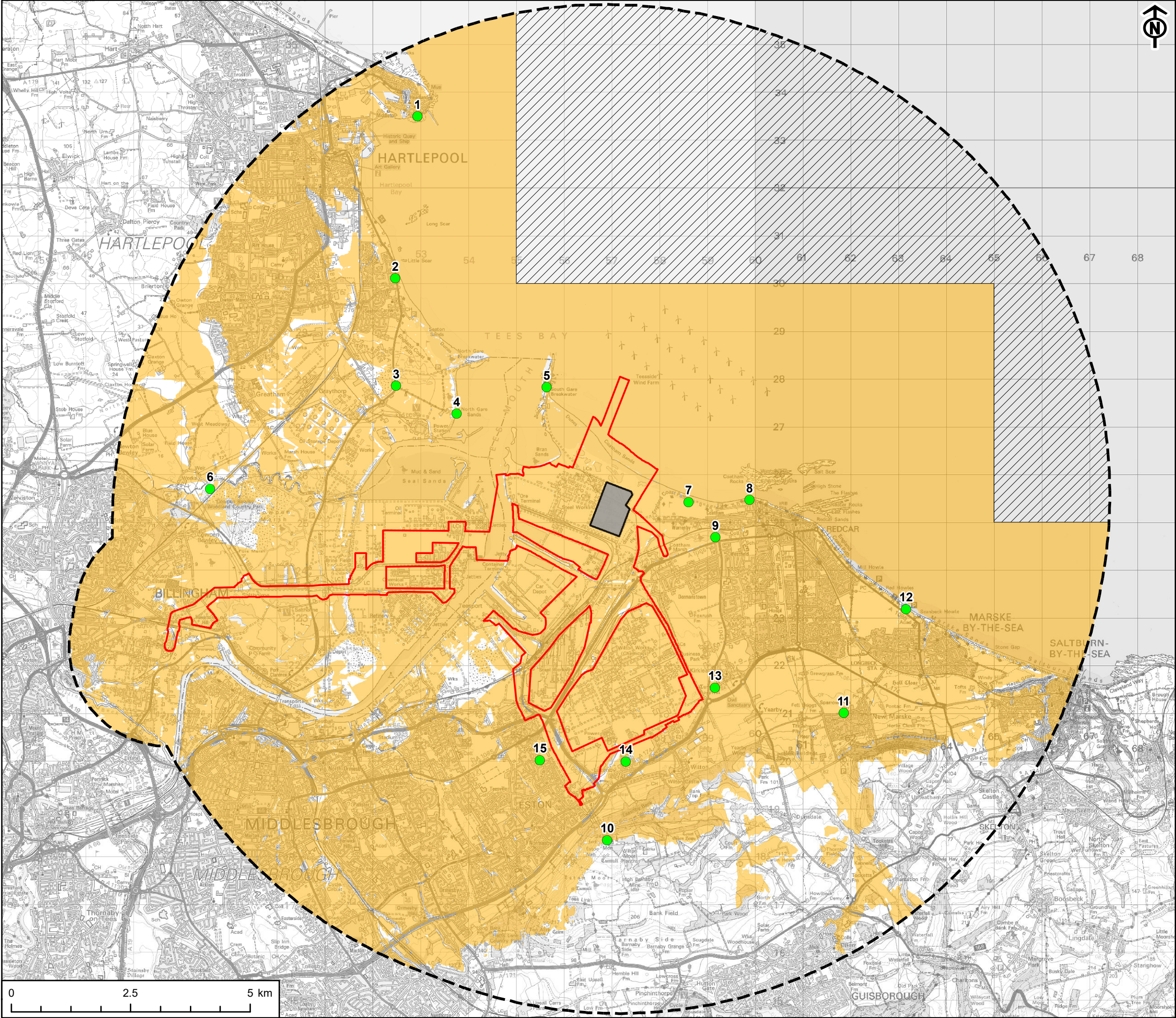
19/06/2020



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PROJECT	
NET ZERO TEESSIDE	
CLIENT	
NZT POWER AND NZNS STORAGE	
KEY	
	Landscape Study Area
	Site Boundary
	Power, Capture and Compressor Site
	No DTM Coverage
Topography (OS Terrain 5) - m	
- High : 396.16	
- Low : -6.91	
TITLE	
FIGURE 17-5	
TOPOGRAPHY - OS TERRAIN 5	
REFERENCE	
NZT_200618_PEL_S_17-5_v4	
SHEET NUMBER	DATE
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PROJECT
NET ZERO TEESIDE

CLIENT
NZT POWER AND NZNS STORAGE

- KEY
- Landscape Study Area
 - Site Boundary
 - Power, Capture and Compressor Site
 - Representative Viewpoint Location
 - No DTM Coverage
 - Zone of Theoretical Visibility

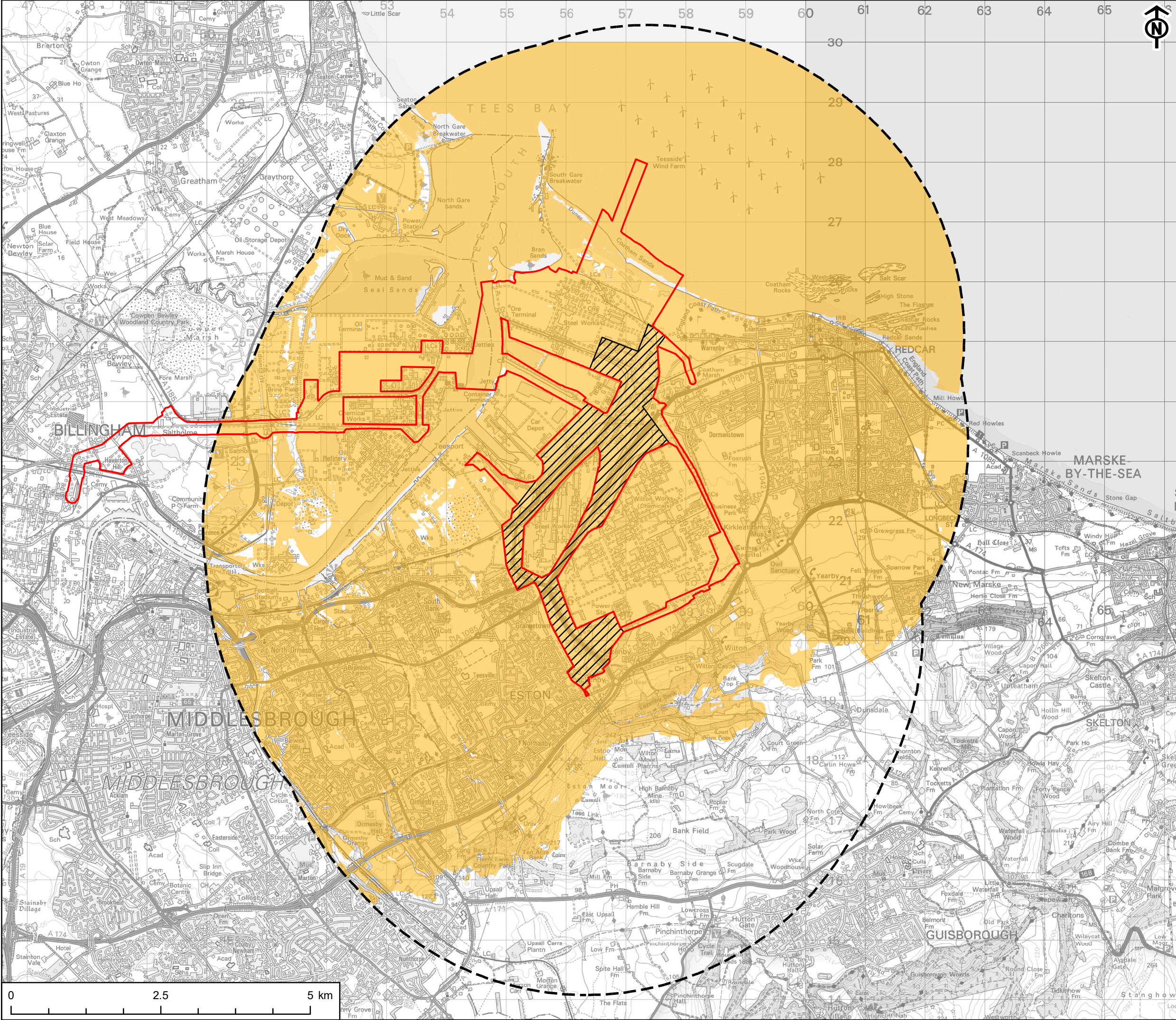
NOTE:
Zone of Theoretical Visibility (ZTV) has been generated using Ordnance Survey Terrain 5 digital terrain model which does not take into account the screening effects of vegetation, buildings or other structures.
ZTV is based upon a grid of points at 50m apart within the PCC Site footprint at a height of 120m with an observer eye height of 1.6m.
All heights mentioned above are above ground level (AGL).

TITLE
FIGURE 17-6
ZONE OF THEORETICAL VISIBILITY AND
REPRESENTATIVE VIEWPOINT LOCATIONS

REFERENCE
NZT_200619_PEI_S_17-6_v5

SHEET NUMBER
1 of 1

DATE
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PROJECT	NET ZERO TEESIDE
CLIENT	NZT POWER AND NZNS STORAGE
KEY	<div><div>Site Boundary</div><div>Electrical Connection Corridor - Proposed Above Ground Section</div><div>Electrical Connection Corridor - Proposed Above Ground Section - 5km Study Area</div><div>Zone of Theoretical Visibility</div></div>
NOTE:	<p>Zone of Theoretical Visibility (ZTV) has been generated using Ordnance Survey Terrain 5 digital terrain model which does not take into account the screening effects of vegetation, buildings or other structures.</p> <p>ZTV is based upon a grid of points at 50m apart within the proposed above ground area of the electrical connection corridor at a height of 50m with an observer eye height of 1.6m.</p> <p>All heights mentioned above are above ground level (AGL).</p>
TITLE	FIGURE 17-7 ZONE OF THEORETICAL VISIBILITY PROPOSED ABOVE GROUND ELECTRICAL CONNECTION CORRIDOR
REFERENCE	NZT_200618_PEI_S_17-7_v3
SHEET NUMBER	1 of 1
DATE	18/06/2020

Project Management Initials: CA Designer: LC Checked: SY Approved: CA

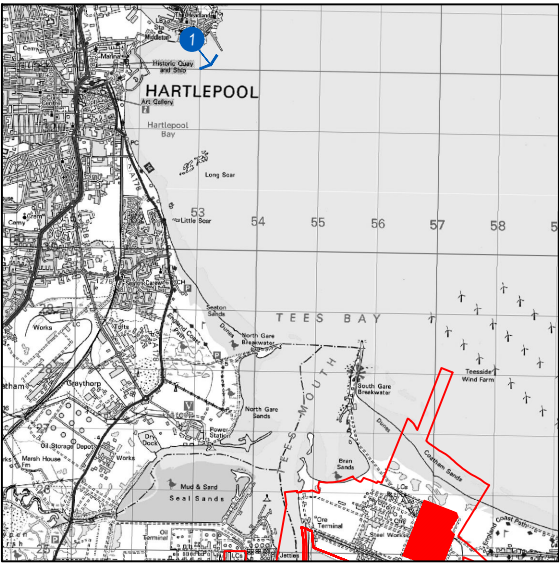
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Filename: \\UKDS2\LE_PROJECTS\NEWPRO\60559231 - CLEAN GAS PROJECT\CAD & GIS\01_CAD\LA\LANDSCAPE\MAIN\SITE VIEWPOINT FIGURES 17.02.DWG

This image provides landscape and visual context only

PROJECT
Net Zero Teesside
CLIENT
NZT Power and NZNS Storage



Extent of 50mm single frame image



- Location of visual receptor
- Site Boundary
- Power Capture and Compressor Site

VIEWPOINT: 1: Albion Terrace, Hartlepool

Co-ordinates: 452933, 533502
Distance to site (km): 8.6km PCC
Direction: South East
Height (m AOD): 11
Date and time: 20/11/2019, 15:26
Camera: Canon EOS 6D
Lens: 50mm
Camera height (m AGL): 1.6
Focal length/ Field of view: 50mm vertical (27°) x 28mm horizontal (65.5°)
Image size: 144 x 299 mm
Paper size: 297 x 420 mm



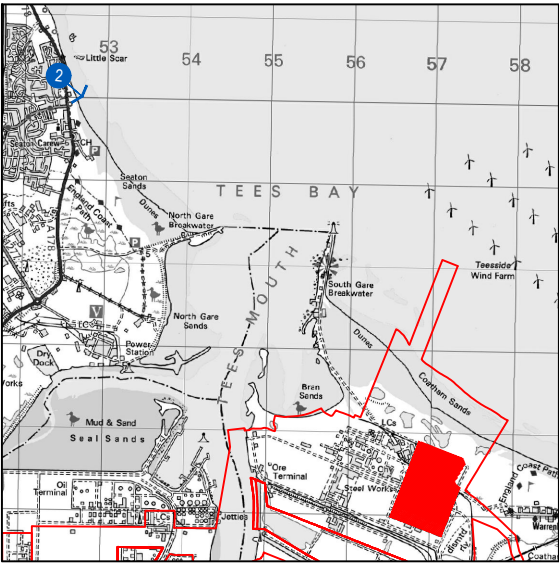
TITLE
Viewpoint 1- Albion Terrace, Hartlepool
REFERENCE
60559231
Figure 17-8
DATE
26/05/2020

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PROJECT
Net Zero Teesside
CLIENT
NZT Power and NZNS Storage



Extent of 50mm single frame image



- Location of visual receptor
- Site Boundary
- Power Capture and Compressor Site

VIEWPOINT: 2: The Cliff, Seaton Carew

Co-ordinates: 452473, 530118
Distance to site (km): 6.2km PCC
Direction: South East
Height (m AOD): 10
Date and time: 20/11/2019, 15:07
Camera: Canon EOS 6D
Lens: 50mm
Camera height (m AGL): 1.6
Focal Length/ Field of view: 50mm vertical (27°) x 28mm horizontal (65.5°)
Image size: 144 x 277 mm
Paper size: 297 x 420 mm



TITLE

Viewpoint 2- The Cliff, Seaton Carew

REFERENCE

60559231

Figure 17-9

DATE

Project Management Initials: CA Designer: LC Checked: SY Approved: CA

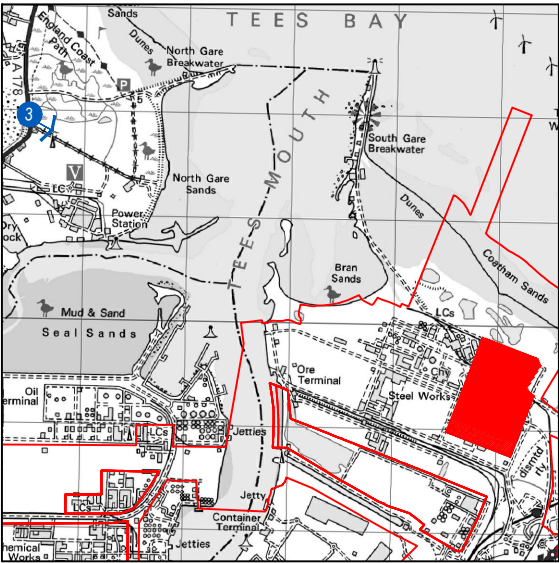
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This image provides landscape and visual context only

PROJECT
Net Zero Teesside
CLIENT
NZT Power and NZNS Storage



Extent of 50mm single frame image



- Location of visual receptor
- Site Boundary
- Power Capture and Compressor Site

VIEWPOINT: 3: Teesside National Nature Reserve, England Coastal Path

Co-ordinates: 452488, 527854
Distance to site (km): 5km PCC
Direction: East
Height (m AOD): 4
Date and time: 20/11/2019, 14:54
Camera: Canon EOS 6D
Lens: 50mm
Camera height (m AGL): 1.6
Focal Length/ Field of view: 50mm vertical (27°) x 28mm horizontal (65.5°)
Image size: 144 x 390 mm
Paper size: 297 x 367 mm



TITLE
Viewpoint 3 - Teesside National Nature Reserve, England Coastal Path

REFERENCE
60559231

Figure 17-10 DATE
26/05/2020

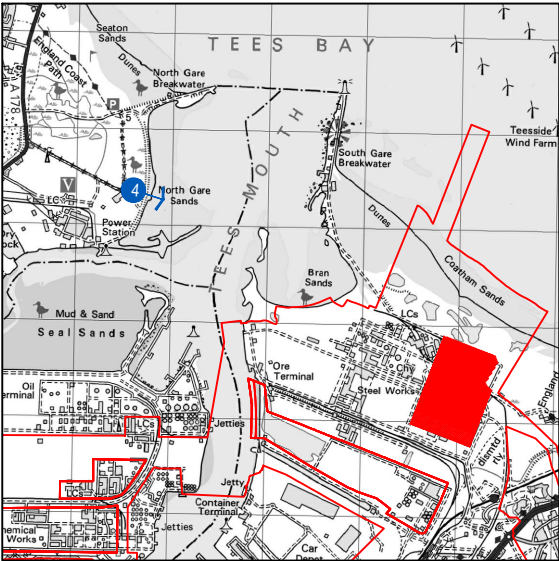
Project Management Initials: CA Designer: LC Checked: SY Approved: CA

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PROJECT
Net Zero Teesside
CLIENT
NZT Power and NZNS Storage



Extent of 50mm single frame image



- Location of visual receptor
- Site Boundary
- Power Capture and Compressor Site

VIEWPOINT: 4 North Gare Sands

Co-ordinates: 453752, 527277
Distance to site (km): 3.5km PCC
Direction: East
Height (m AOD): 0
Date and time: 23/01/2019, 16:00
Camera: Canon EOS 6D
Lens: 50mm
Camera height (m AGL): 1.6
Focal Length/ Field of view: 50mm vertical (27°) x 28mm horizontal (65.5°)
Image size: 144 x 229 mm
Paper size: 297 x 420 mm



TITLE
Viewpoint 4 - North Gare Sands

REFERENCE
60559231

Figure 17-11 DATE

Project Management Initials: CA Designer:LC Checked:SY Approved:CA

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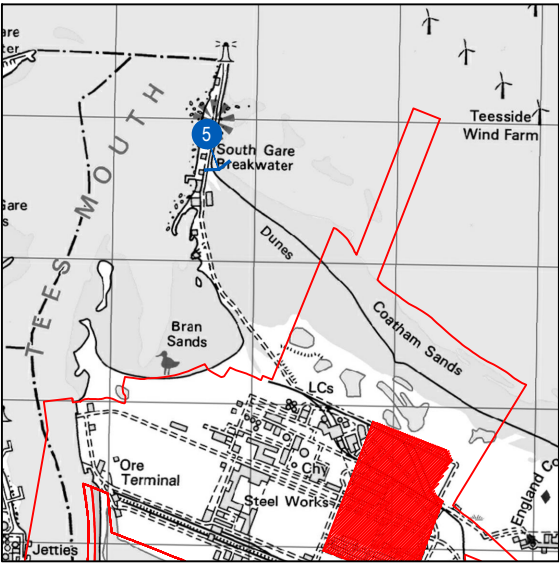
PROJECT
Net Zero Teesside
CLIENT
NZT Power and NZNS Storage



Redcar Blast Furnance

Redcar Bulk Terminal

Extent of 50mm single frame image



- Location of visual receptor
- Site Boundary
- Power Capture and Compressor Site

VIEWPOINT: 5: South Gare Breakwater

Co-ordinates: 455638, 527828
Distance to site (km): 2.4km PCC
Direction: South
Height (m AOD): 0
Date and time: 20/11/2019, 10:19
Camera: Canon EOS 6D
Lens: 50mm
Camera height (m AGL): 1.6
Focal Length/ Field of view: 50mm vertical (27°) x 28mm horizontal (65.5°)
Image size: 144 x 390 mm
Paper size: 297 x 420 mm



TITLE
Viewpoint 5 - South Gare Breakwater

REFERENCE
60559231

Figure 17-12 DATE

Project Management Initials: CA Designer: LC Checked: SY Approved: CA

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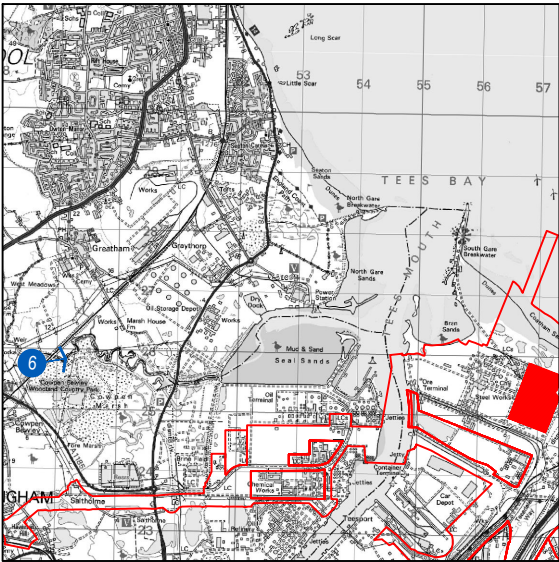
This image provides landscape and visual context only



PROJECT
Net Zero Teesside
CLIENT
NZT Power and NZNS Storage



Extent of 50mm single frame image



- Location of visual receptor
- Site Boundary
- Power Capture and Compressor Site

VIEWPOINT: 6: Cowpen Bewley Woodland Country Park

Co-ordinates:	448591, 525700
Distance to site (km):	8km Main Site SSI
Direction:	East
Height (m AOD):	20
Date and time:	23/01/2020, 15.33
Camera:	Canon EOS 6D
Lens:	50mm
Camera height (m AGL):	1.6
Focal Length/ Field of view:	50mm vertical (27°) x 28mm horizontal (65.5°)
Image size:	144 x 390 mm
Paper size:	297 x 420 mm



TITLE
Viewpoint 6 - Cowpen Bewley Woodland Country Park

REFERENCE
60559231

Figure 17-13
DATE
26/05/2020

Project Management Initials: CA Designer: LC Checked: SY Approved: CA

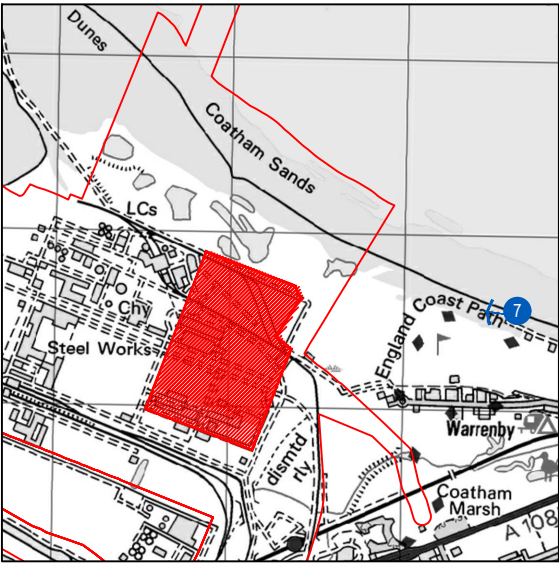
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Filename: \\UKDS2\LE_PROJECTS\NEWPRO\60559231 - CLEAN GAS PROJECT\CAD & GIS\01_CAD\LA LANDSCAPE\MAIN SITE VIEWPOINT FIGURES 17.02.DWG

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PROJECT
Net Zero Teesside
CLIENT
NZT Power and NZNS Storage



Extent of 50mm single frame image



- Location of visual receptor
- Site Boundary
- Power Capture and Compressor Site

VIEWPOINT: 7: England Coast Path, Warrenby

Co-ordinates: 458610, 525421
Distance to site (km): 1.2km PCC
Direction: West
Height (m AOD): 3
Date and time: 20/11/2019, 10:52
Camera: Canon EOS 6D
Lens: 50mm
Camera height (m AGL): 1.6
Focal Length/ Field of view: 50mm vertical (27°) x 28mm horizontal (65.5°)
Image size: 144 x 390 mm
Paper size: 297 x 420 mm



TITLE
Viewpoint 7 - England Coast Path, Warrenby
REFERENCE
60559231
Figure 17-14
DATE
26/05/2020

Project Management Initials: CA Designer: LC Checked: SY Approved: CA

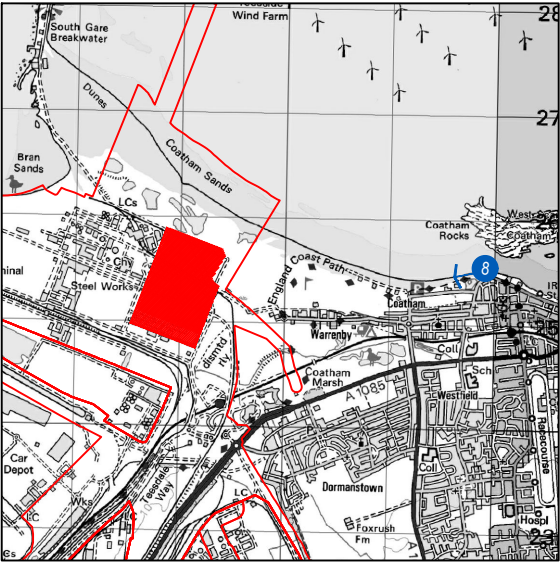
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PROJECT
Net Zero Teesside
CLIENT
NZT Power and NZNS Storage



Redcar Blast Furnance

Extent of 50mm single frame image



- Location of visual receptor
- Site Boundary
- Power Capture and Compressor Site

VIEWPOINT: 8: Redcar Seafront

Co-ordinates: 459886, 525465
Distance to site (km): 2.5km PCC
Direction: West
Height (m AOD): 11
Date and time: 20/11/2019, 11:11
Camera: Canon EOS 6D
Lens: 50mm
Camera height (m AGL): 1.6
Focal Length/ Field of view: 50mm vertical (27°) x 28mm horizontal (65.5°)
Image size: 144 x 390 mm
Paper size: 297 x 420 mm



TITLE

Viewpoint 8 - Redcar Seafront

REFERENCE

60559231

Figure 17-15

DATE

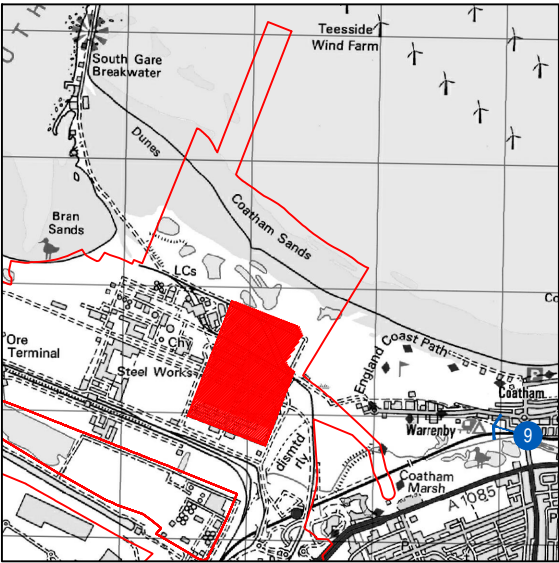
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Extent of 50mm single frame image



- Location of visual receptor
- Site Boundary
- Power Capture and Compressor Site

VIEWPOINT: 9: Coatham Marsh Nature Reserve

Co-ordinates: 459168, 524686
Distance to site (km): 1.9km PCC
Direction: North West
Height (m AOD): 4
Date and time: 20/11/2019, 11:35
Camera: Canon EOS 6D
Lens: 50mm
Camera height (m AGL): 1.6
Focal Length/ Field of view: 50mm vertical (27°) x 28mm horizontal (65.5°)
Image size: 144 x 247 mm
Paper size: 297 x 420 mm



TITLE	
Viewpoint 9 - Coatham Marsh Nature Reserve	
REFERENCE	
60559231	
Figure 17-16	DATE
	26/05/2020

Project Management Initials: CA Designer: LC Checked: SY Approved: CA

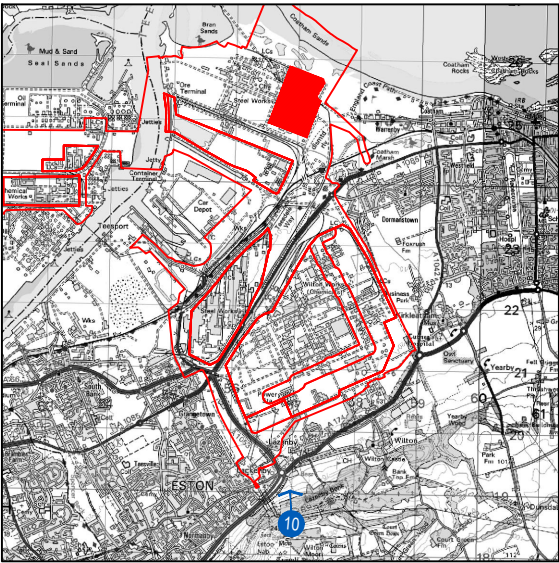
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PROJECT
Net Zero Teesside
CLIENT
NZT Power and NZNS Storage



Extent of 50mm single frame image



- Location of visual receptor
- Site Boundary
- Power Capture and Compressor Site

VIEWPOINT:	10: Eston Nab
Co-ordinates:	456899, 518348
Distance to site (km):	6.5km PCC
Direction:	North
Height (m AOD):	238m AOD
Date and time:	23/01/2020, 12:15
Camera:	Canon EOS 6D
Lens:	50mm
Camera height (m AGL):	1.6
Focal Length/ Field of view:	50mm vertical (27°) x 28mm horizontal (65.5°)
Image size:	144 x 390 mm
Paper size:	297 x 420 mm



TITLE
Viewpoint 10 - Eston Nab

REFERENCE
60559231

Figure 17-17
DATE
26/05/2020

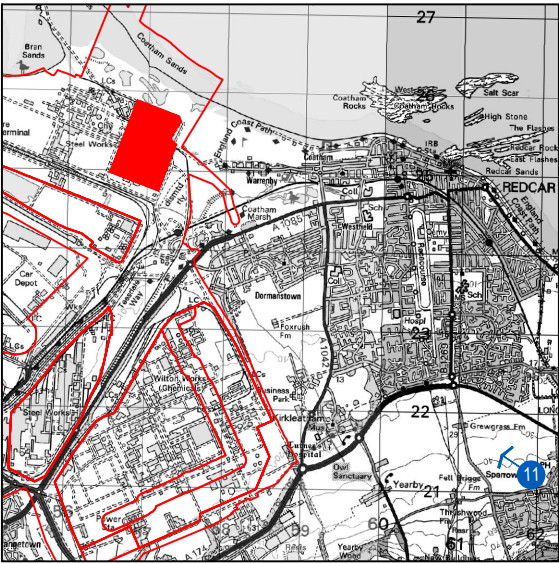
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Extent of 50mm single frame image



- Location of visual receptor
- Site Boundary
- Power Capture and Compressor Site

VIEWPOINT: 11: Longbeck Lane

Co-ordinates: 461856, 521012
Distance to site (km): 6km PCC
Direction: North West
Height (m AOD): 48
Date and time: 20/11/2019, 12:27
Camera: Canon EOS 6D
Lens: 50mm
Camera height (m AGL): 1.6
Focal Length/ Field of view: 50mm vertical (27°) x 28mm horizontal (65.5°)
Image size: 144 x 308 mm
Paper size: 297 x 420 mm



TITLE
Viewpoint 11 - Longbeck Lane

REFERENCE
60559231

Figure 17-18 DATE

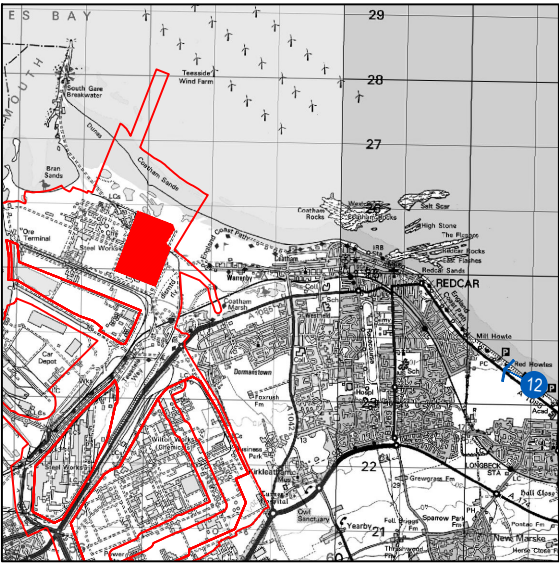
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This image provides landscape and visual context only



Extent of 50mm single frame image



- Location of visual receptor
- Site Boundary
- Power Capture and Compressor Site

VIEWPOINT: 12: Carpark Off A1085 Coast Road, Marske by the Sea

Co-ordinates: 463156, 523188
Distance to site (km): 6km PCC
Direction: North West
Height (m AOD): 13
Date and time: 20/11/2019, 12:16
Camera: Canon EOS 6D
Lens: 50mm
Camera height (m AGL): 1.6
Focal Length/ Field of view: 50mm vertical (27°) x 28mm horizontal (65.5°)
Image size: 144 x 390 mm
Paper size: 297 x 420 mm



TITLE
Viewpoint 12 - Carpark Off A1085 Coast Road, Marske by the Sea

REFERENCE
60559231

Figure 17-19

DATE
26/05/2020

Project Management Initials: CA Designer: LC Checked: SY Approved: CA

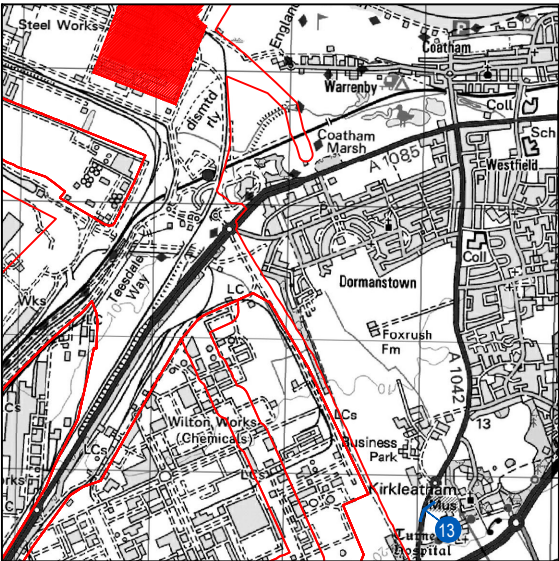
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PROJECT
Net Zero Teesside
CLIENT
NZT Power and NZNS Storage



Extent of 50mm single frame image



- Location of visual receptor
- Site Boundary
- Power Capture and Compressor Site

VIEWPOINT:	13: Kirkleatham Lane, edge of Kirkleatham
Co-ordinates:	459164, 521539
Distance to site (km):	3.8km PCC, 0.35km from Electrical Connection Corridor
Direction:	South West
Height (m AOD):	21
Date and time:	20/11/2019, 11:57
Camera:	Canon EOS 6D
Lens:	50mm
Camera height (m AGL):	1.6
Focal Length/ Field of view:	50mm vertical (27°) x 28mm horizontal (65.5°)
Image size:	144 x 390 mm
Paper size:	297 x 420 mm



TITLE
Viewpoint 13 - Kirkleatham Lane, edge of Kirkleatham

REFERENCE
60559231

Figure 17-20
DATE
26/05/2020

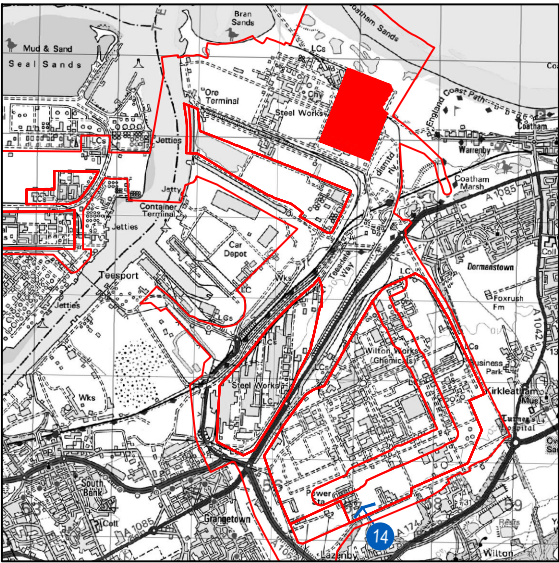
This image provides landscape and visual context only

PROJECT
Net Zero Teesside
CLIENT
NZT Power and NZNS Storage



Ensus bioethanol plant

Extent of 50mm single frame image



- Location of visual receptor
- Site Boundary
- Power Capture and Compressor Site

VIEWPOINT: 14: Grange Estate, Lazenby

Co-ordinates: 457294, 519998
Distance to site (km): 5km PCC, 0.26km from Electrical Connection Corridor
Direction: North West
Height (m AOD): 30m
Date and time: 23/01/2020, 11.18
Camera: Canon EOS 6D
Lens: 50mm
Camera height (m AGL): 1.6
Focal Length/ Field of view: 50mm vertical (27°) x 28mm horizontal (65.5°)
Image size: 144 x 390 mm
Paper size: 297 x 420 mm



TITLE

Viewpoint 14 - Grange Estate, Lazenby

REFERENCE

60559231

Figure 17-21

DATE

Sheet Size A3 297 x 420 26/05/2020

Project Management Initials: CA Designer: LC Checked: SY Approved: CA

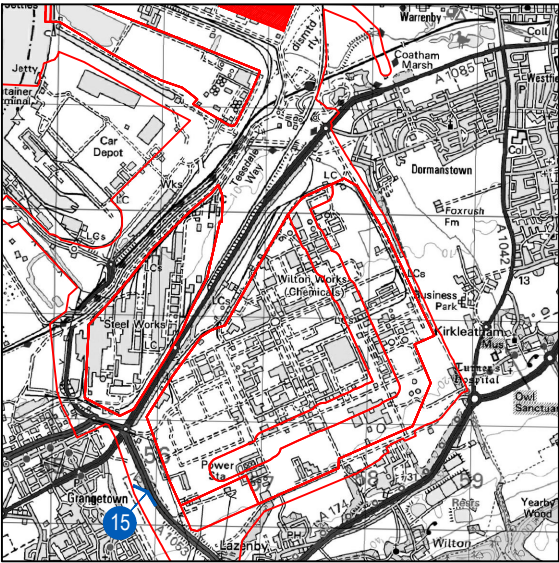
Last saved by: BECCA LITTLE (2020.06.08) Last Plotted: 2020.06.18
Filename: \UK\DS2\LE_PROJECTS\NEWPRO\60559231 - CLEAN GAS PROJECT\CAD & GIS\01_CAD\LA) LANDSCAPE\MAIN SITE VIEWPOINT FIGURES 17.02.DWG

This image provides landscape and visual context only

PROJECT
Net Zero Teesside
CLIENT
NZT Power and NZNS Storage



Extent of 50mm single frame image



- Location of visual receptor
- Site Boundary
- Power Capture and Compressor Site

VIEWPOINT: 15: Birchington Avenue, Grangetown

Co-ordinates: 455495, 520024
Distance to site (km): North East
Direction: 5.1km PCC, 0.34km from Electrical Connection Corridor
Height (m AOD): 14
Date and time: 23/01/2020, 11.01
Camera: Canon EOS 6D
Lens: 50mm
Camera height (m AGL): 1.6
Focal Length/ Field of view: 50mm vertical (27°) x 28mm horizontal (65.5°)
Image size: 144 x 390 mm
Paper size: 297 x 420 mm



TITLE

Viewpoint 15 - Birchington Avenue, Grangetown

REFERENCE

60559231

Figure 17-22

DATE

26/05/2020



EXISTING VIEW



KEY:

120 m – maximum stack height

62 m – absorber, i.e. top of carbon capture plant

50 m – HSRG, i.e. top of CCGT plant

WIRELINE



EXISTING VIEW



KEY:

120 m – maximum stack height

62 m – absorber, i.e. top of carbon capture plant

50 m – HSRG, i.e. top of CCGT plant

WIRELINE



EXISTING VIEW



KEY:
120 m – maximum stack height
62 m – absorber, i.e. top of carbon capture plant
50 m – HSRG, i.e. top of CCGT plant

WIRELINE



EXISTING VIEW



KEY:

120 m – maximum stack height

62 m – absorber, i.e. top of carbon capture plant

50 m – HSRG, i.e. top of CCGT plant

WIRELINE