
FISHGUARD REPLACEMENT LINKSPAN

ENVIRONMENTAL STATEMENT

VOLUME III Design Drawings & Figures

794-NI-POR-08886R
F01
Fishguard
Replacement Linkspan
May 2025

ENVIRONMENTAL STATEMENT VOLUME III DESIGN DRAWINGS AND FIGURES

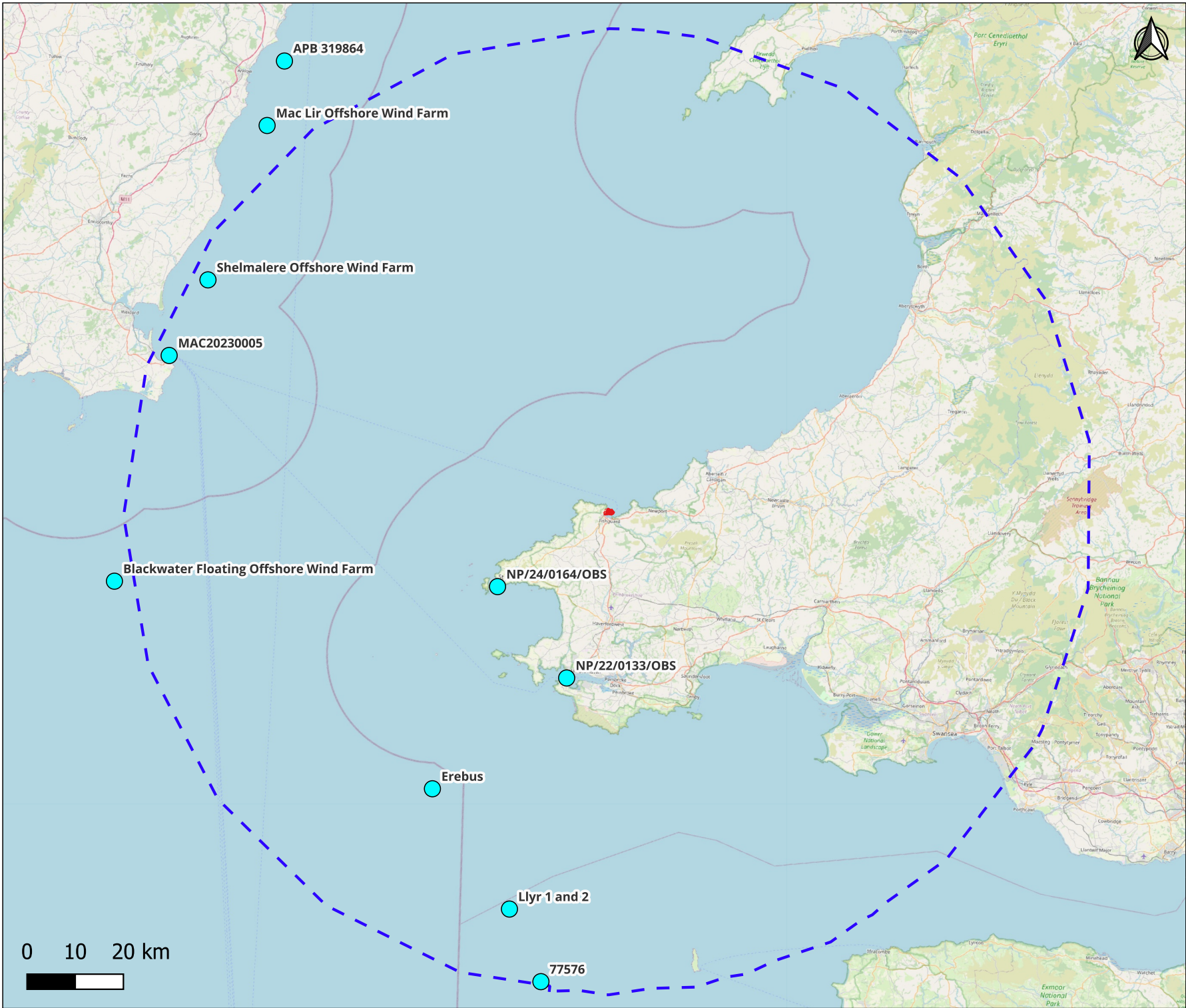
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POR00886-RPS-ML-ZZ-DR-C-0204	Marine Licence Demolition Layout
POR00886-RPS-ML-ZZ-DR-C-0205	Marine Licence Proposed General Layout
POR00886-RPS-ML-ZZ-DR-C-0206	Marine Licence Typical Cross Sections
POR00886-RPS-ML-ZZ-DR-C-0207	Marine Licence Overall Dredge Layout
POR00886-RPS-ML-ZZ-DR-C-0208	Marine Licence Heat map showing removal of Material to achieve Design Depth
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4.1

Figure 4.1 Cumulative Effects



Legend

-  Preliminary Planning Boundary
-  100km Radius
-  Cumulative Longlist of Projects



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Client: Stena Line

Project: Fishguard Linkspan

Title: Cumulative Longlist of Projects
(100km radius)

Figure No. 2.0

Project No.	Date	Revision
794-NI-POR-00886R	January 2025	D01

9.1

Figure 9.1 Habitat Map

Document: \\brisa-aw-fs-01\Env\PlanningProjects\Bristol Ecology Projects\794 - Fishguard (NI-POR-00886)\Tech\TechECO00886-0001-00_Habitat_map.aprx A3 Details right



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Notes

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Legend

Site Boundary

Habitat

wb1 Broadleaved Woodland

w4 Non-native Shrub

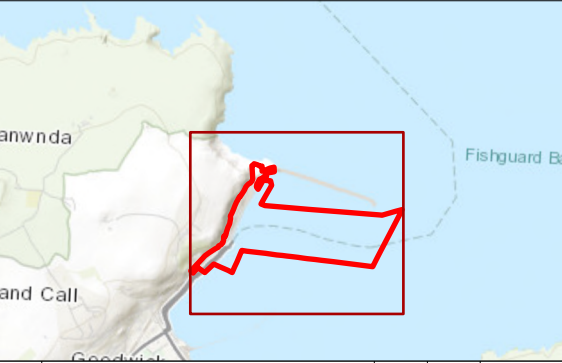
sv7 Sparsely Vegetated Bare Ground

u1d Unsealed Hardstanding

u1b Building

u1e Hardstanding

m1 Sea



Rev	Description	By	CB	Date

MAKING COMPLEX EASY

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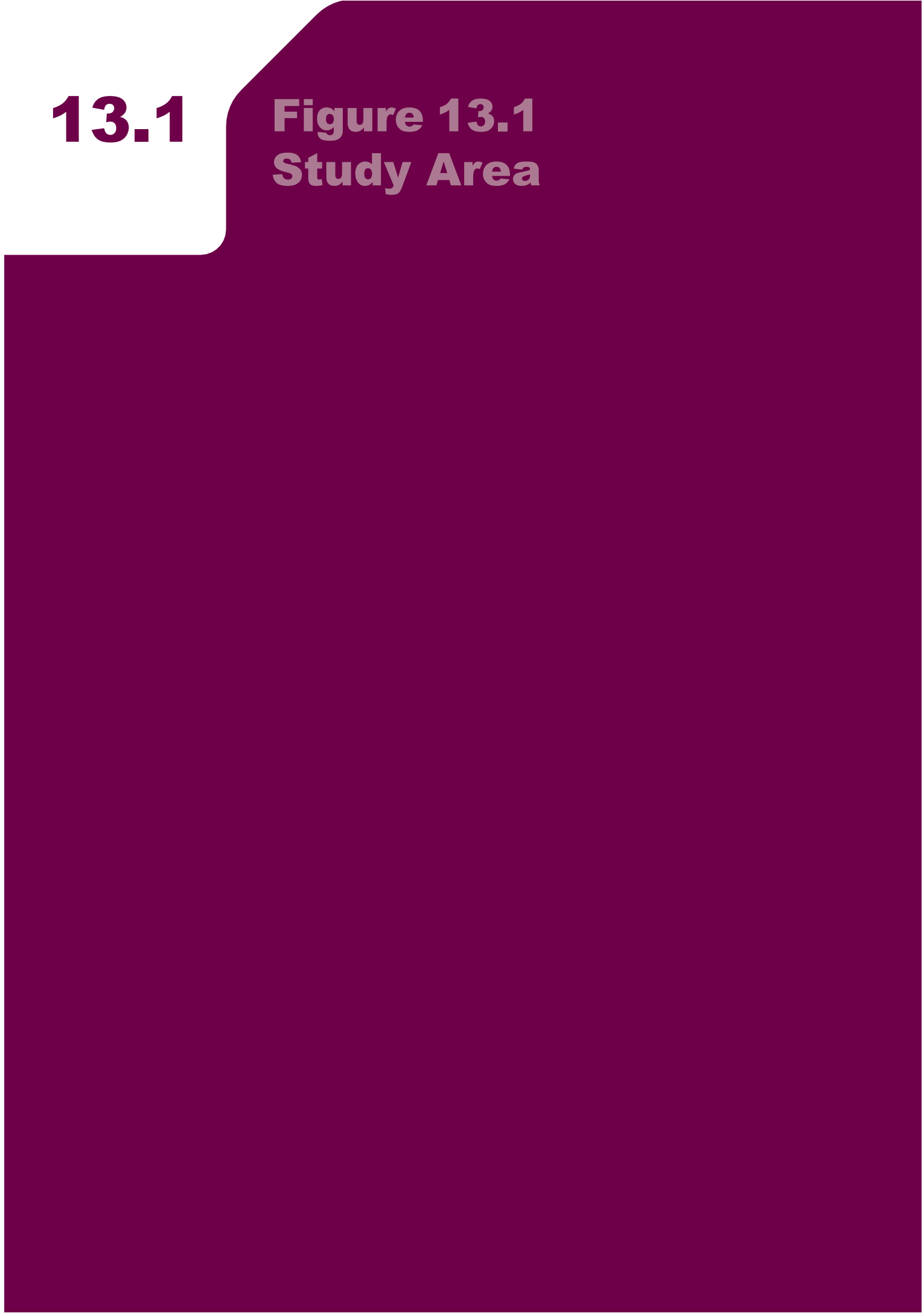
101 Park Drive, Milton Park, Abingdon, Oxfordshire, OX14 4RY
T: +44(0)1235 821 888 E: RPS.ox@rps.tetrattech.com

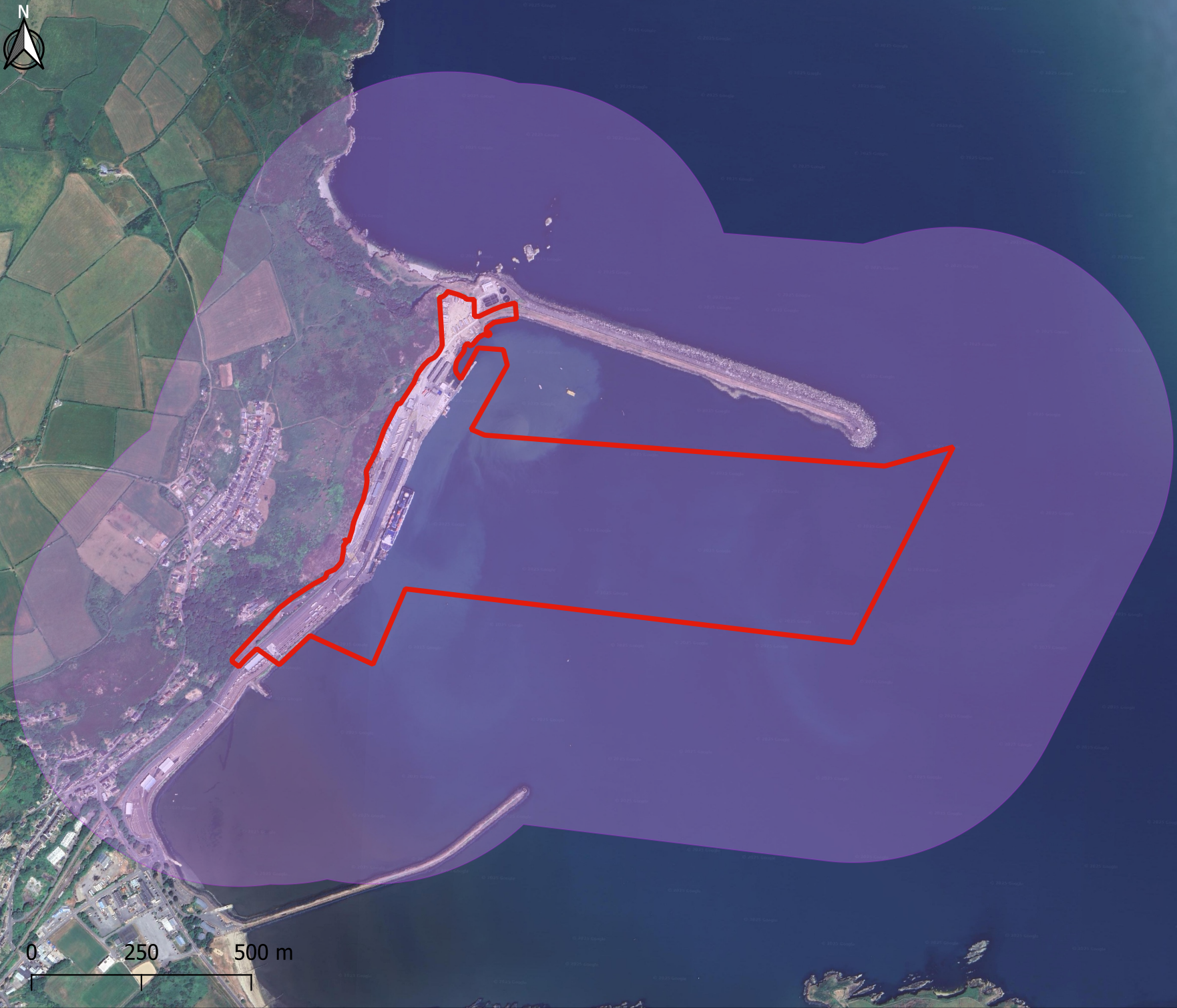
Client	-		
Project	NI-POR-00886		
Title	Habitat Map		
Status	Drawn By	PM/Checked By	
Draft	GNL	TM	
Project Number	Scale @ A3	Date Created	
ECO00886	1:5,100	03/03/25	
Figure Number			Rev
1			-

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13.1

Figure 13.1 Study Area





Legend

- Red Line Boundary
- 500m Buffer

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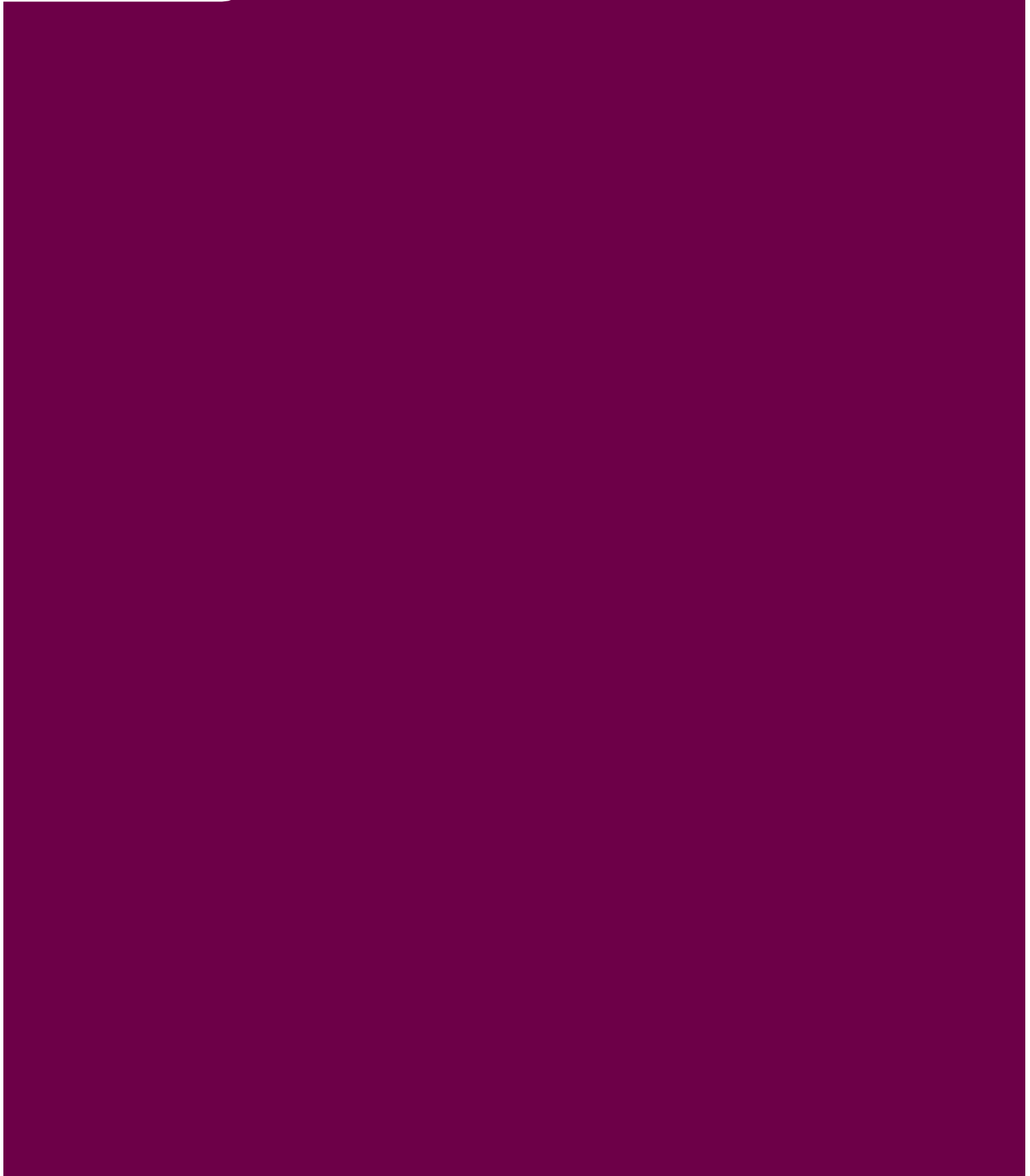
Project: Fishguard Linkspan

Title: Study Area

Figure No.		
Project No.	Date	Revision
794-NI-POR-00886R	March 2025	-

13.2

Figure 13.2 Noise Monitoring Locations





Legend

- Red Line Boundary
- Noise Monitoring Locations

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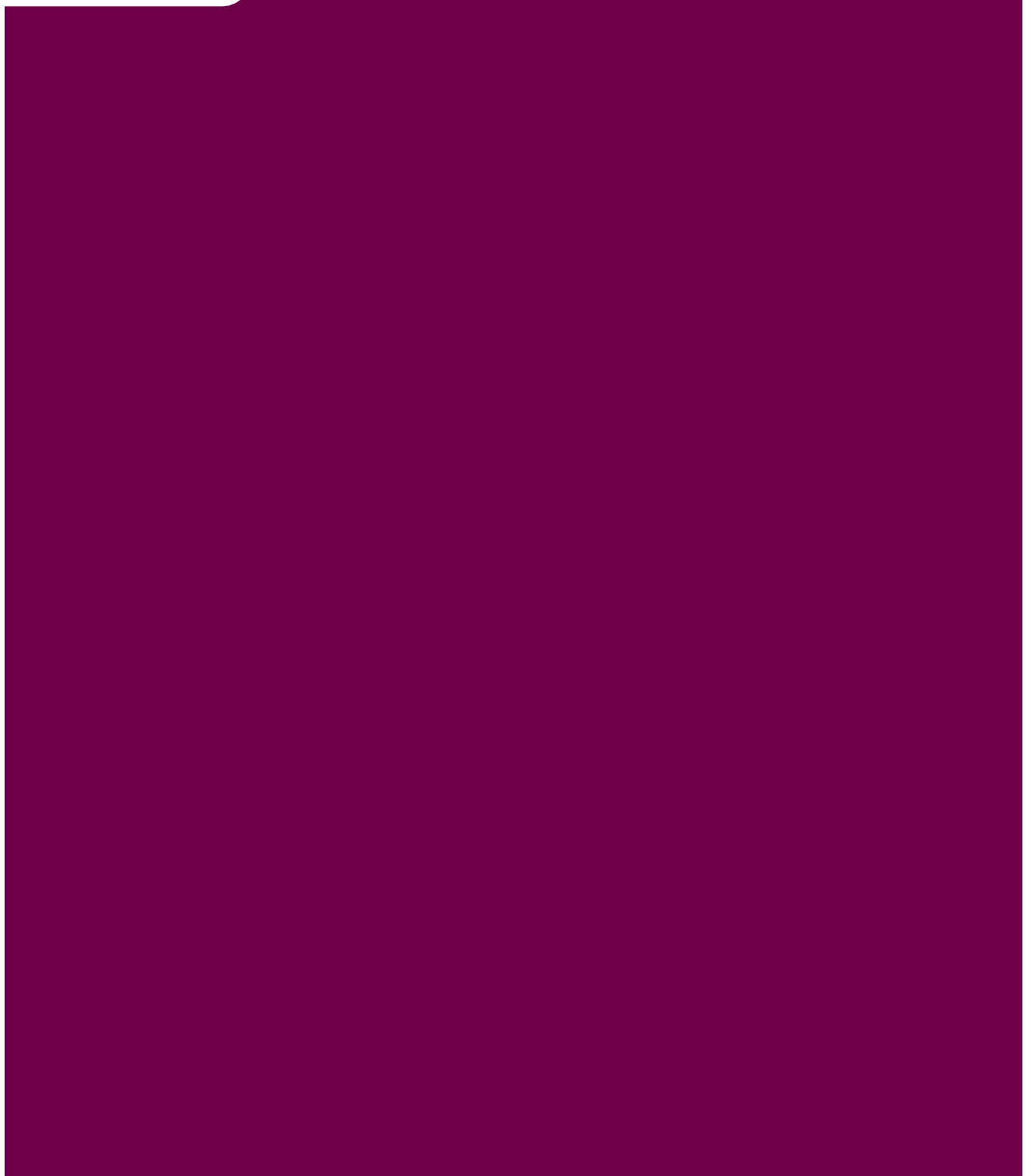
Title: Noise Monitoring Locations

Figure No.

Project No.	Date	Revision
794-NI-POR-00886R	March 2025	-

13.3

Figure 13.3 Noise Sensitive Receptors





Legend

- Red Line Boundary
- Non Residential Noise Sensitive Receptors
- Residential Noise Sensitive Receptors

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Project: Fishguard Linkspan

Title: Noise Sensitive Receptors

Figure No.		
Project No.	Date	Revision
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- Legend**
- Red Line Boundary
 - Non Residential Noise Sensitive Receptors
 - Residential Noise Sensitive Receptors

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Title: Noise Sensitive Receptors
(Zoomed Extent 1 of 2)

Figure No.		
Project No.	Date	Revision
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Legend

- Residential Noise Sensitive Receptors

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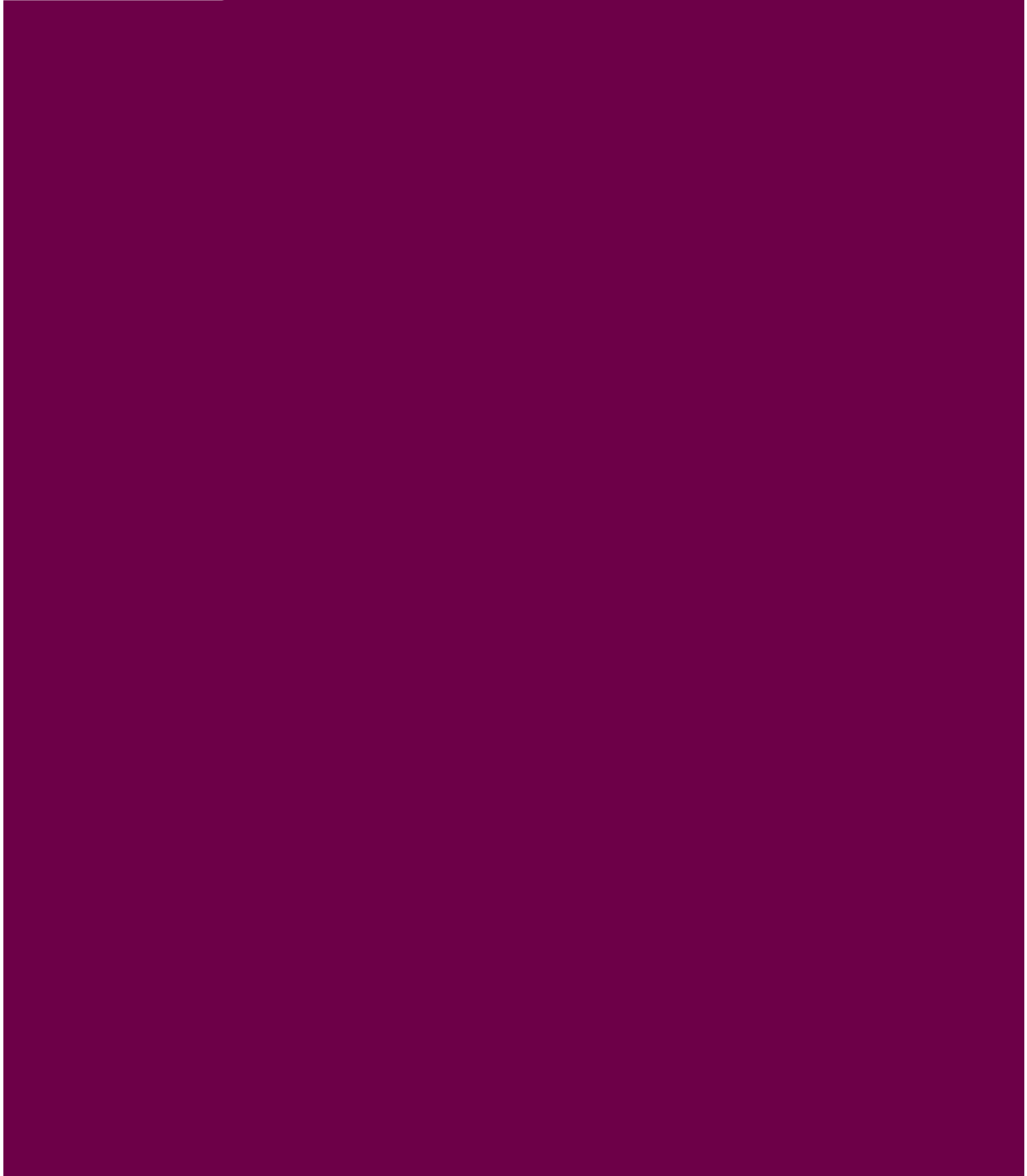
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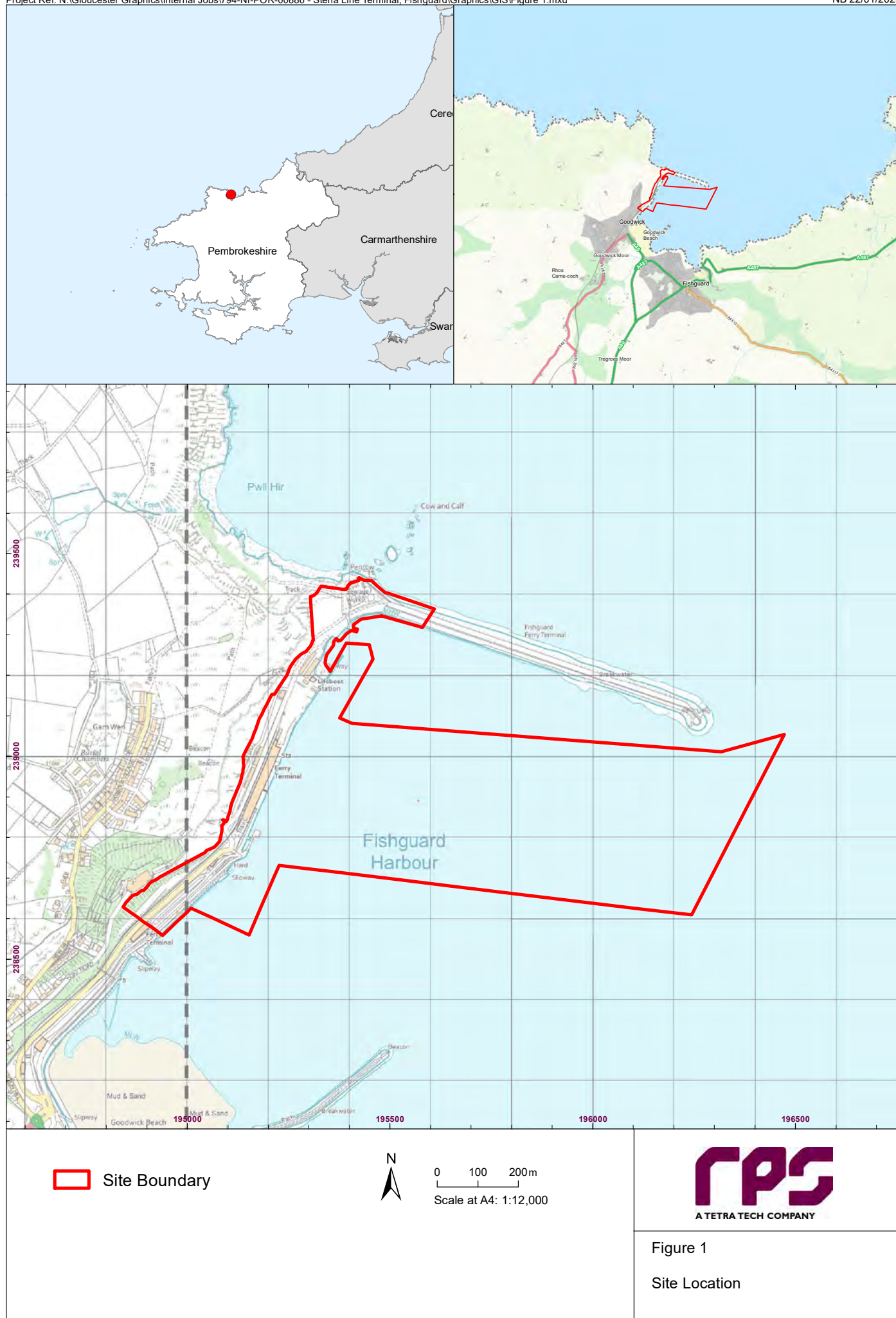
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(Zoomed Extent 2 of 2)

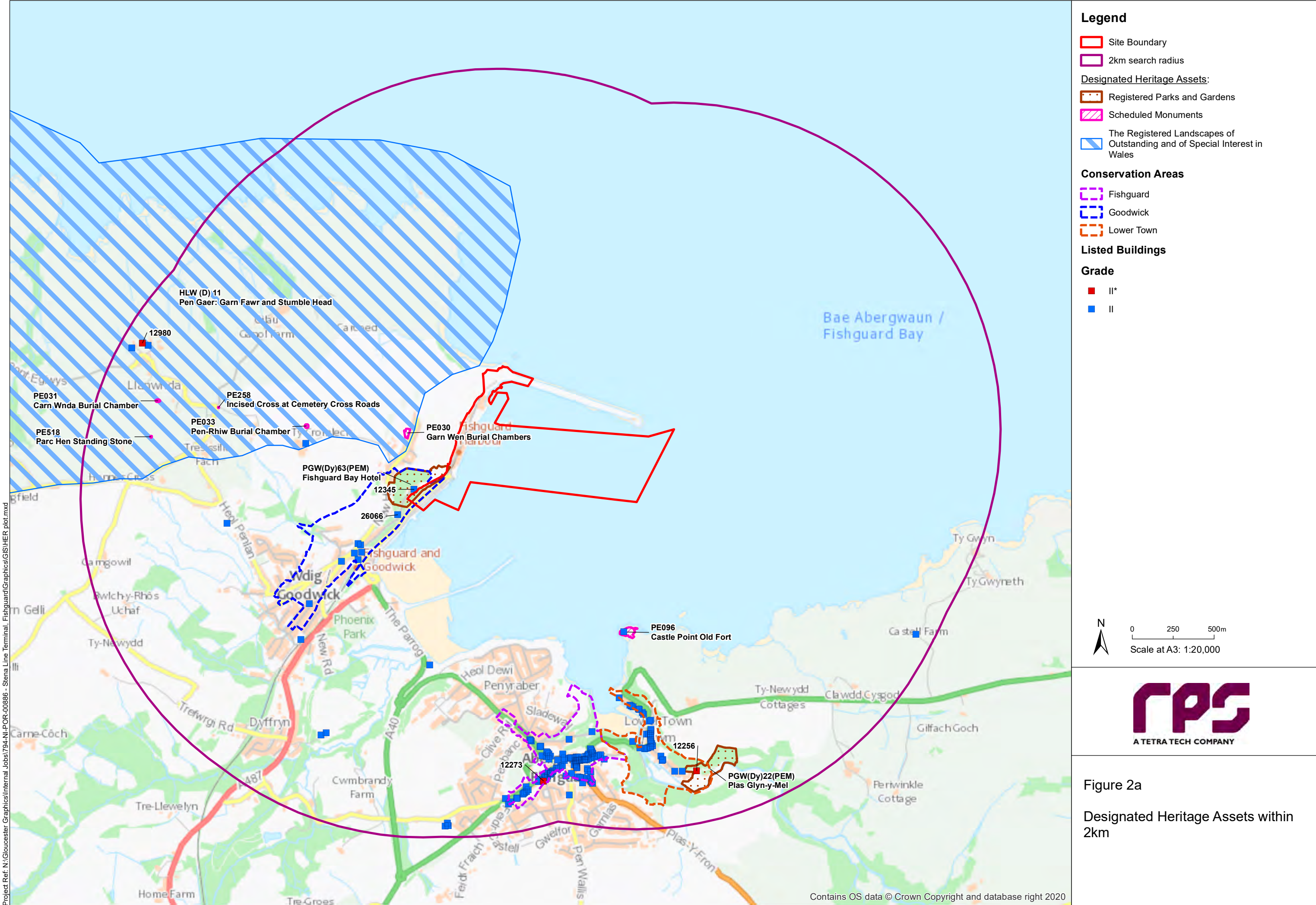
Figure No.		
Project No.	Date	Revision
794-NI-POR-00886R	March 2025	-

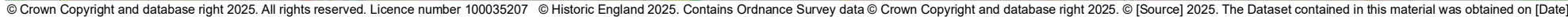
16.1

Figure 16.1
Heritage Site
Location

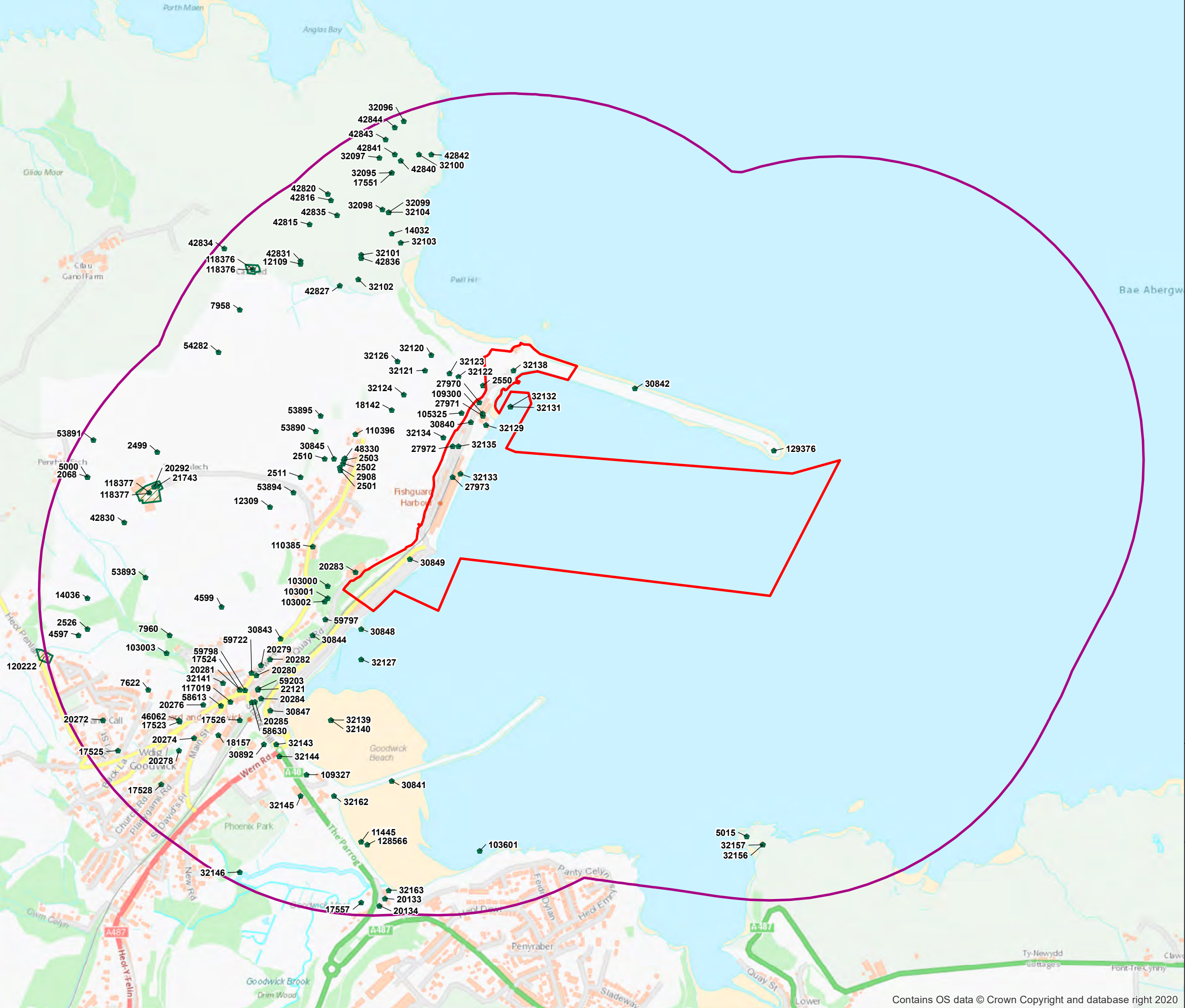








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Legend

- Site Boundary
- 1km Search Area

Non-designated Heritage Assets:

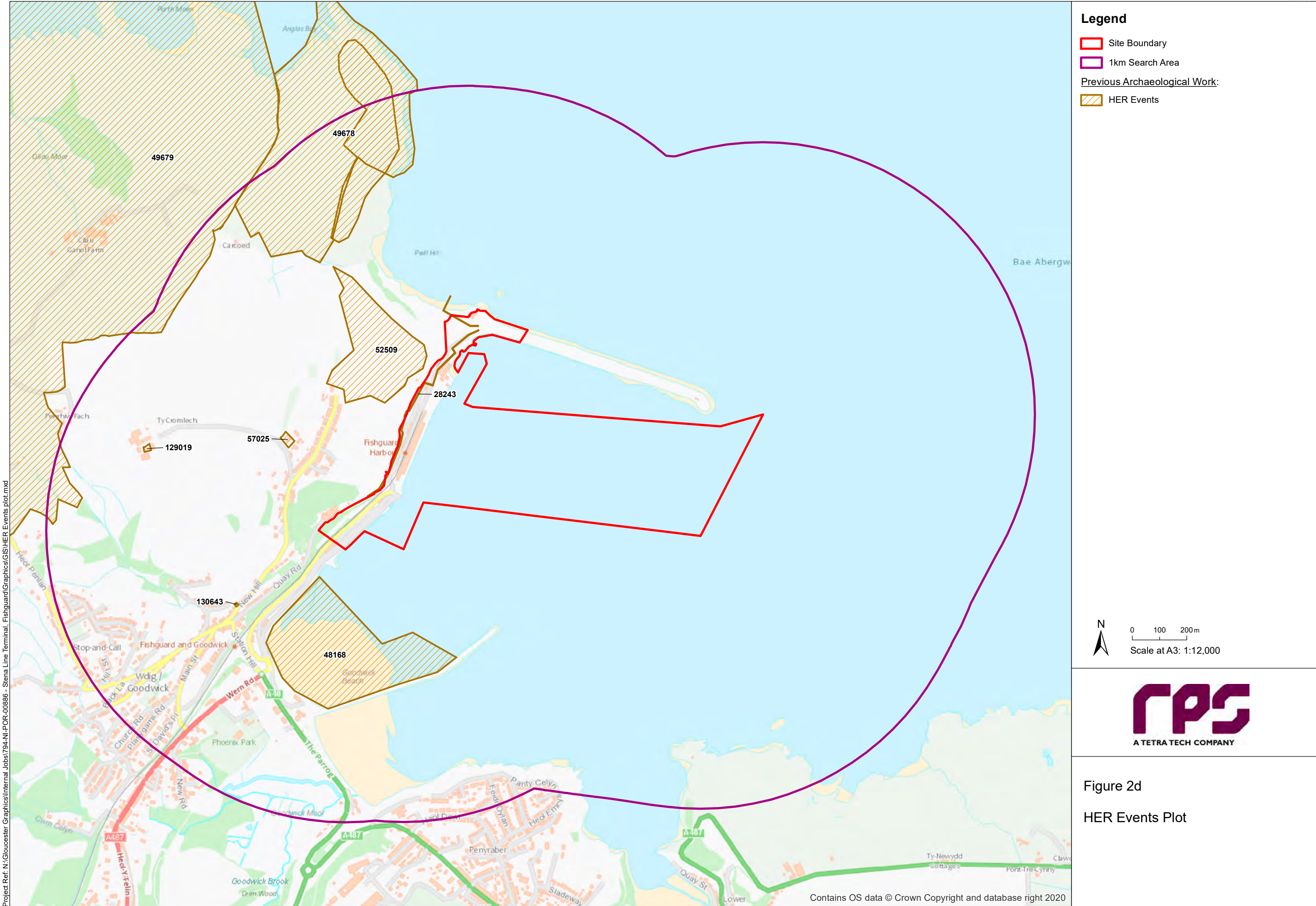
- HER Features Points
- HER Features Polygons



0 250 500m
Scale at A3: 1:12,000



Figure 2c
Summary of cultural heritage
assets (data from Heneb)



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Legend

- Site Boundary
- 1km Search Area

Non-designated Heritage Assets:

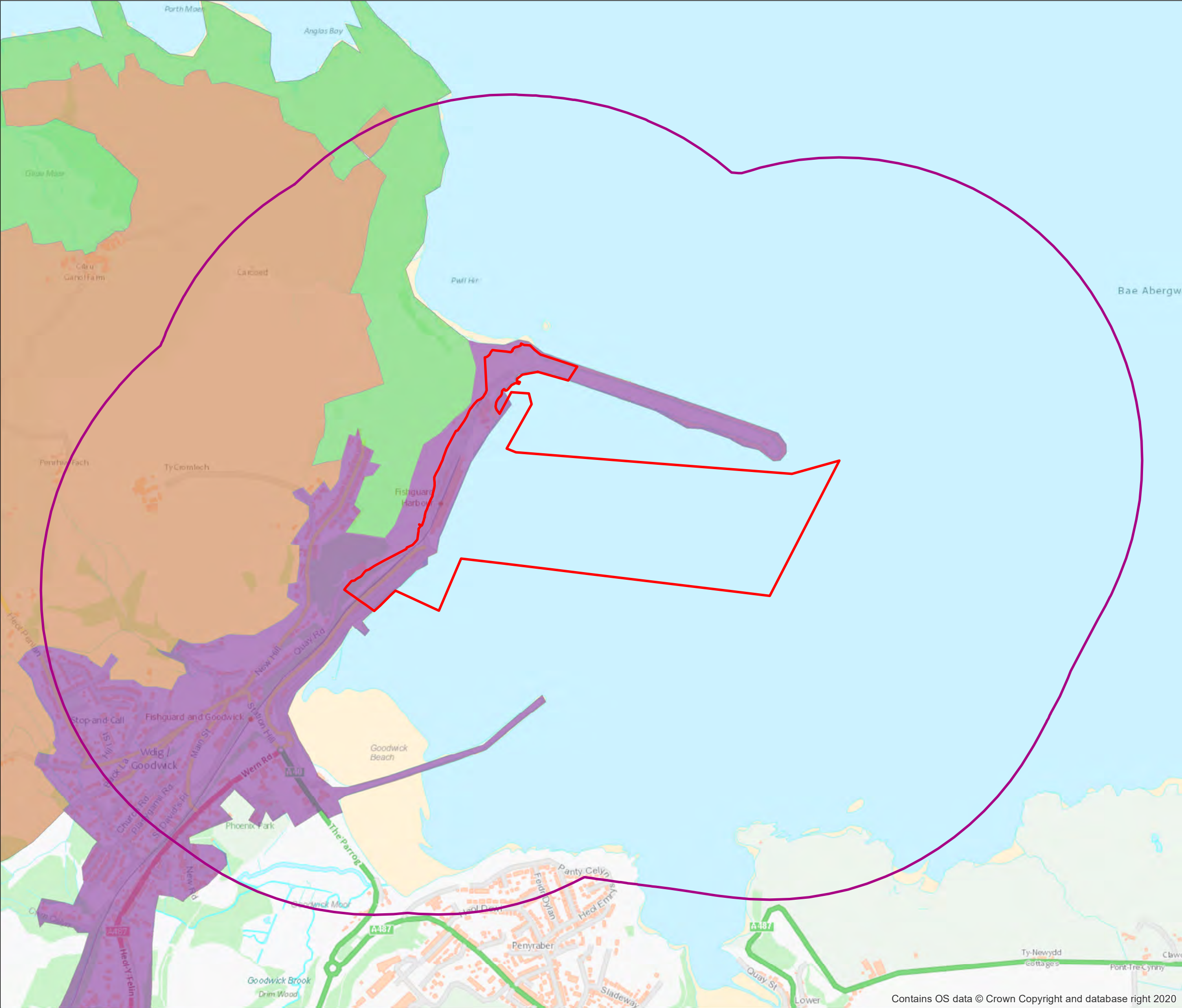
- NMRW RCAHMW points



0 250 500m
Scale at A3: 1:12,000



Figure 2e
Summary of cultural heritage
assets (Data from the NMR)



Legend

- Site Boundary
- 1km Search Area
- Previous Archaeological Work:
 - 46062 - GOODWICK
 - 46061 - GOODWICK TO ABER BACH COASTAL STRIP
 - 46065 - LLANWNDA



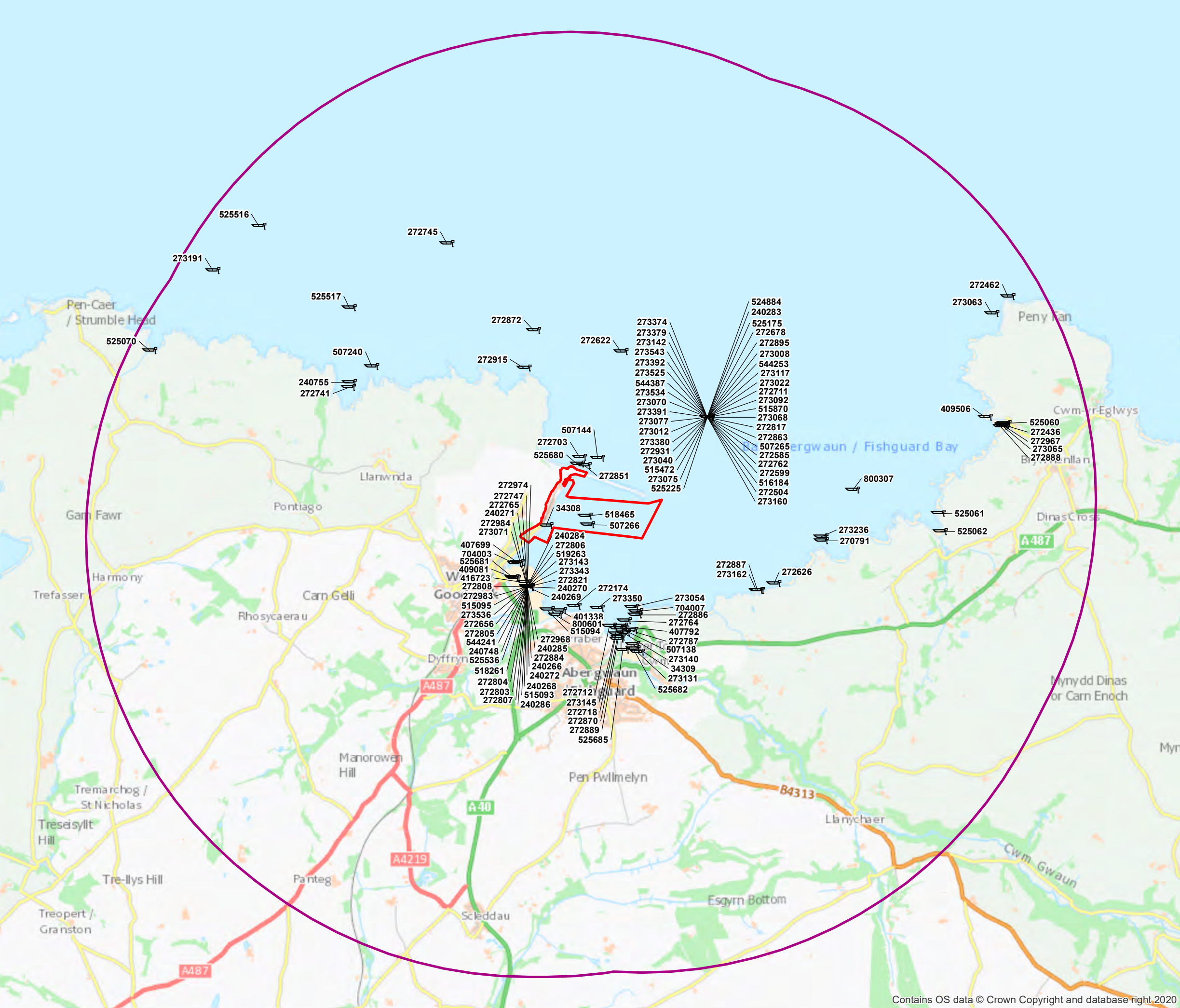
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Scale at A3: 1:12,000



Figure 2f
Historic Landscape
Characterisation Plot

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Legend

- Site Boundary
- 5km search radius

Non-designated Heritage Assets:

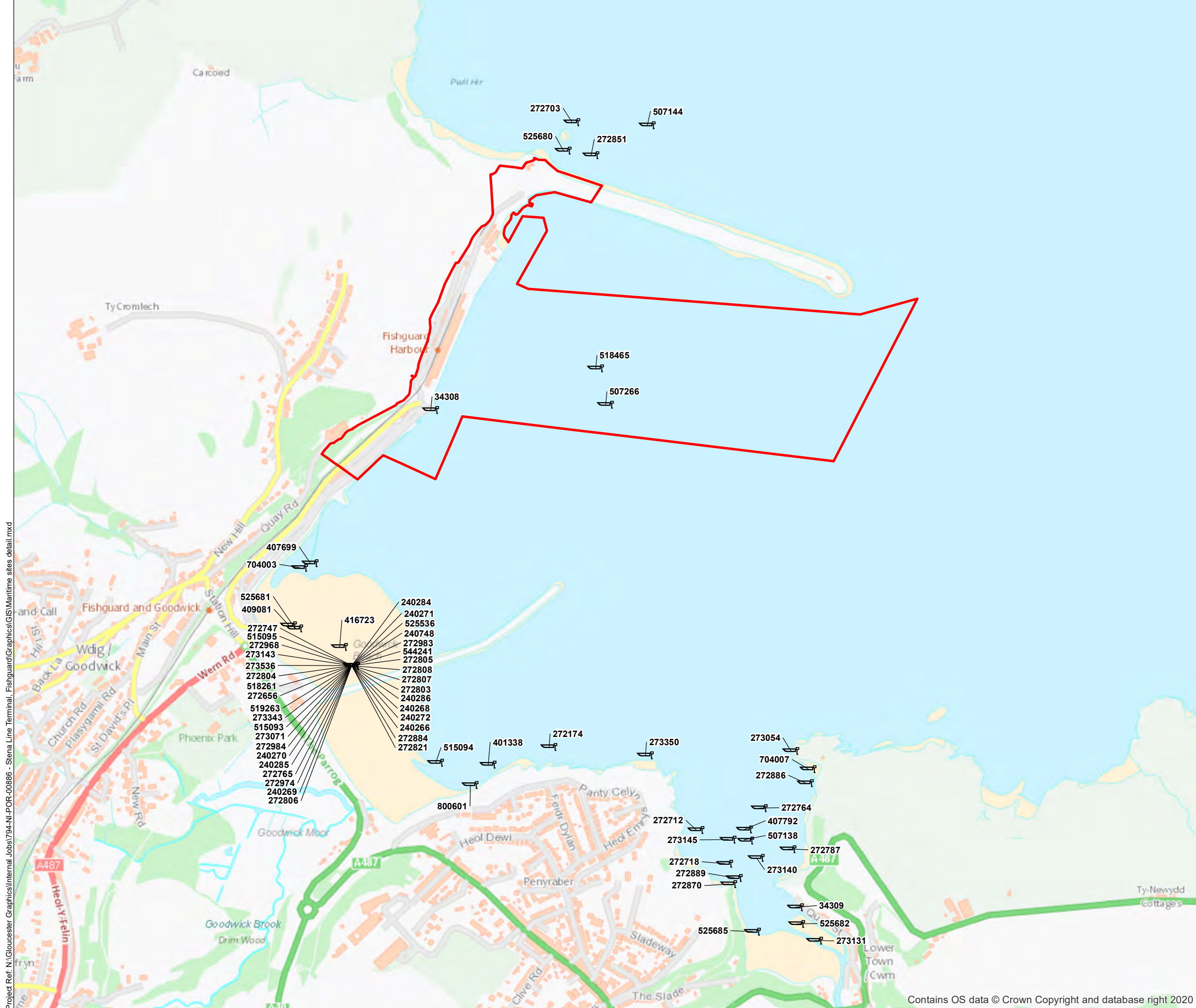
- Maritime Sites



0 250 500m
Scale at A3: 1:42,000



Figure 2g
RCAHMW Maritime Data



Legend

 Site Boundary

Non-designated Heritage Assets:

 Maritime Sites



0 250 500m
Scale at A3: 1:10,000



Figure 2h
RCAHMW Maritime Data (detail)

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○ Approximate site location



Not to Scale
Illustrative Only



Figure 3

1729 Bowen's New and accurate
map of South Wales



 Approximate site location



Not to Scale
Illustrative Only



Figure 4
1814 Ordnance Survey Drawing

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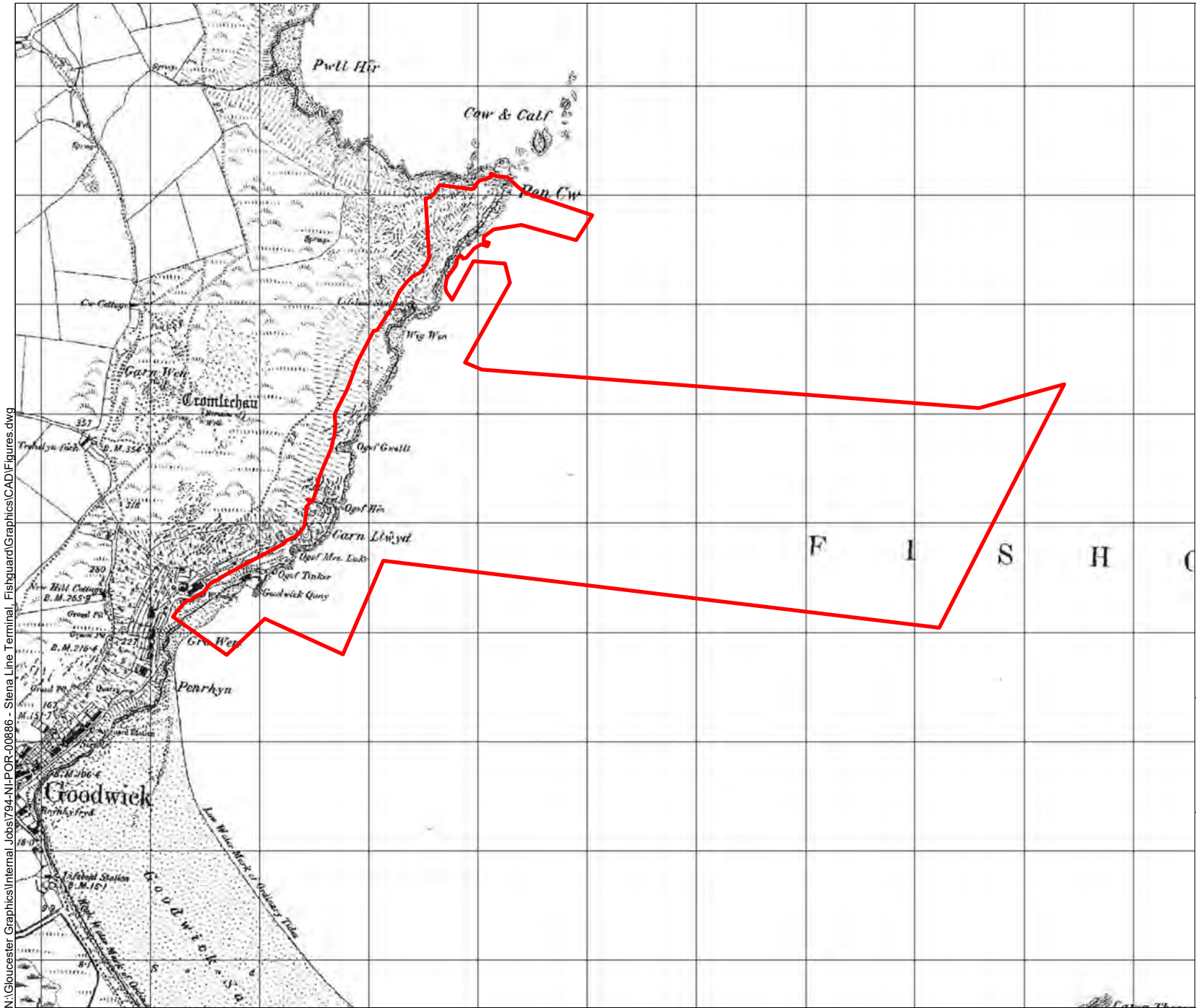
 Site Boundary



0 50 100m
Scale at A4: 1:8,000



Figure 5
1845 Llanwnda Tithe Map



 Site Boundary

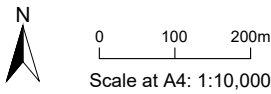


Figure 6
1888 Ordnance Survey Map

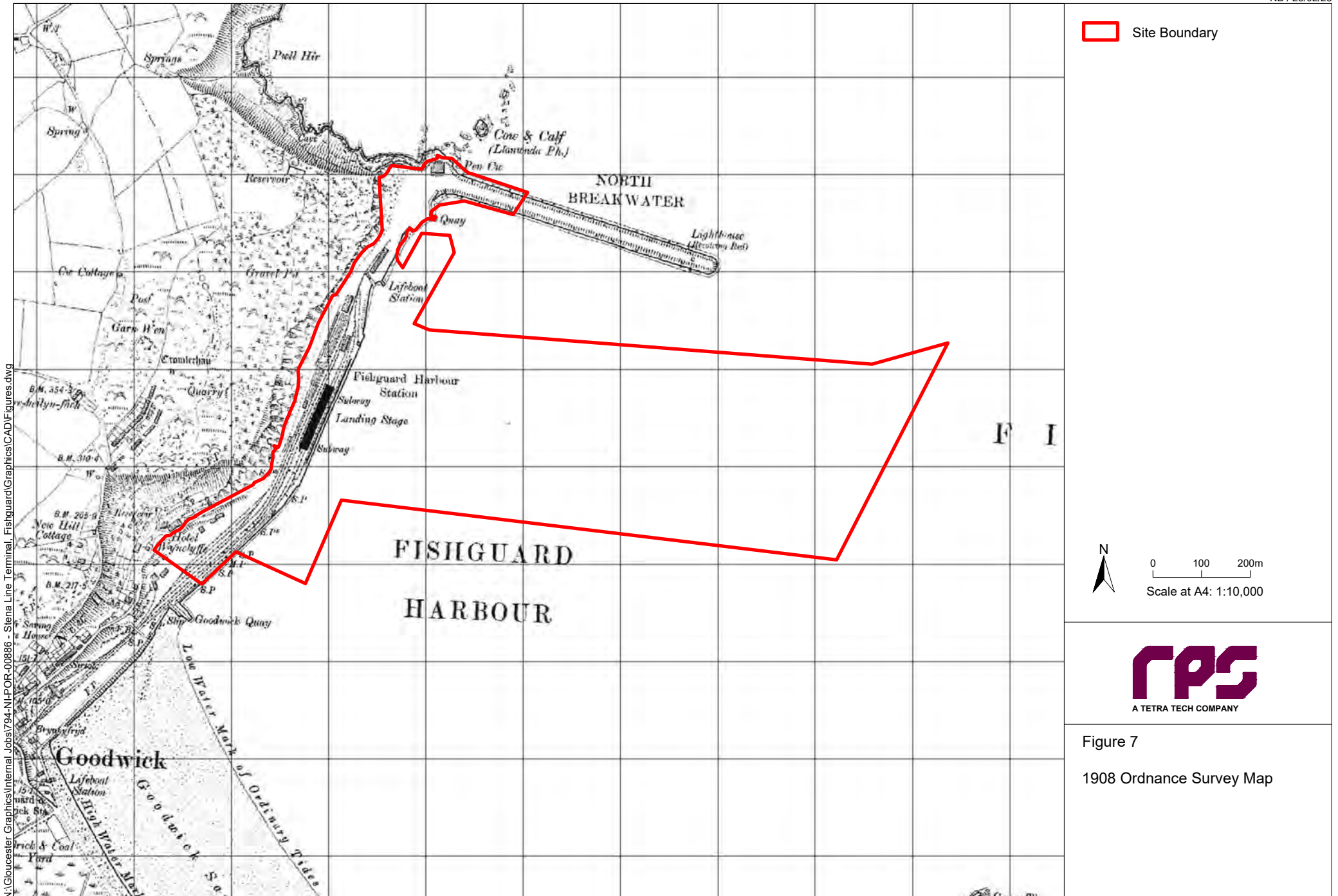
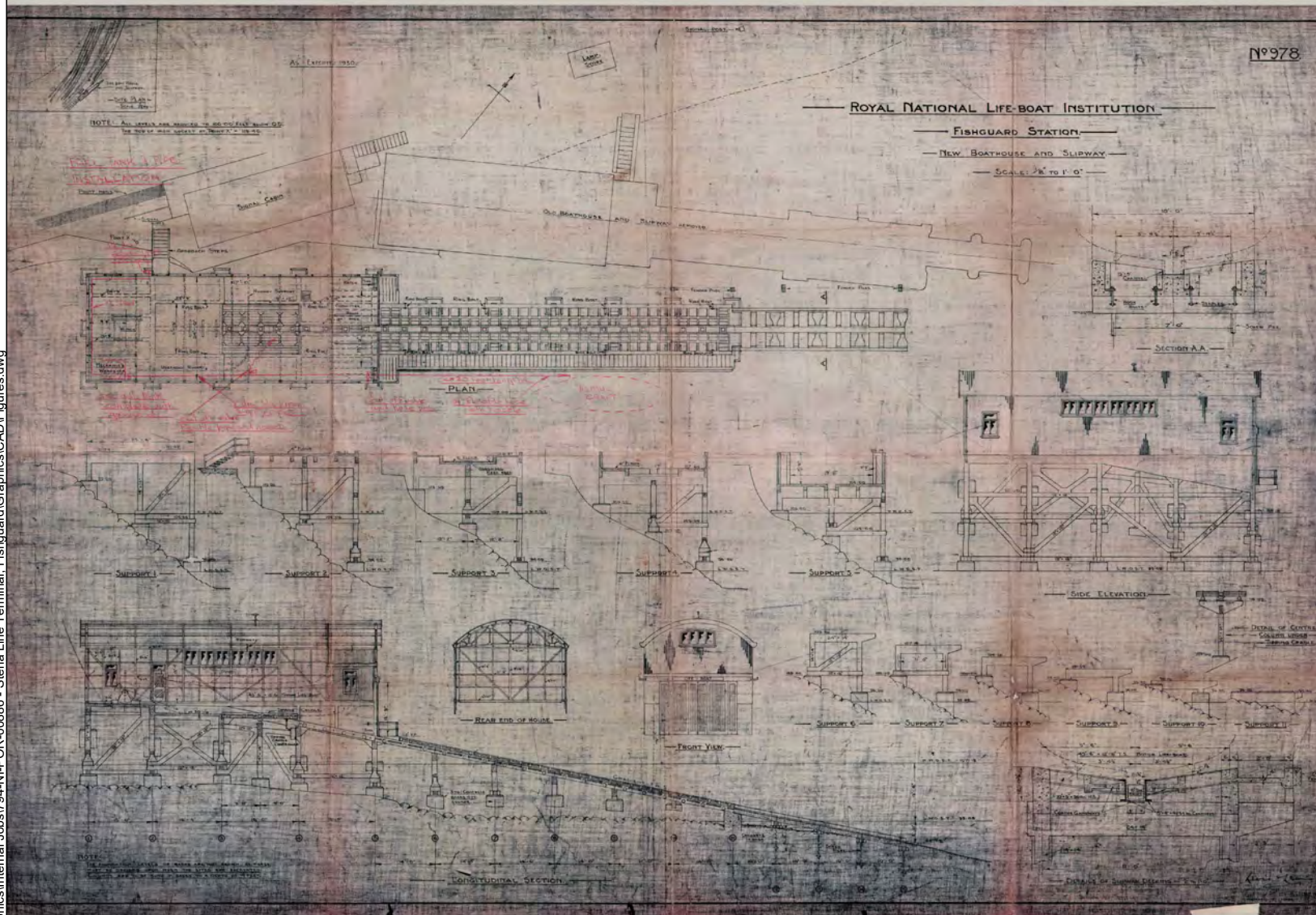


Figure 7
1908 Ordnance Survey Map



Not to Scale
Illustrative Only



Figure 8
1930 Plan and Elevation
Drawings of the New Lifeboat
Station

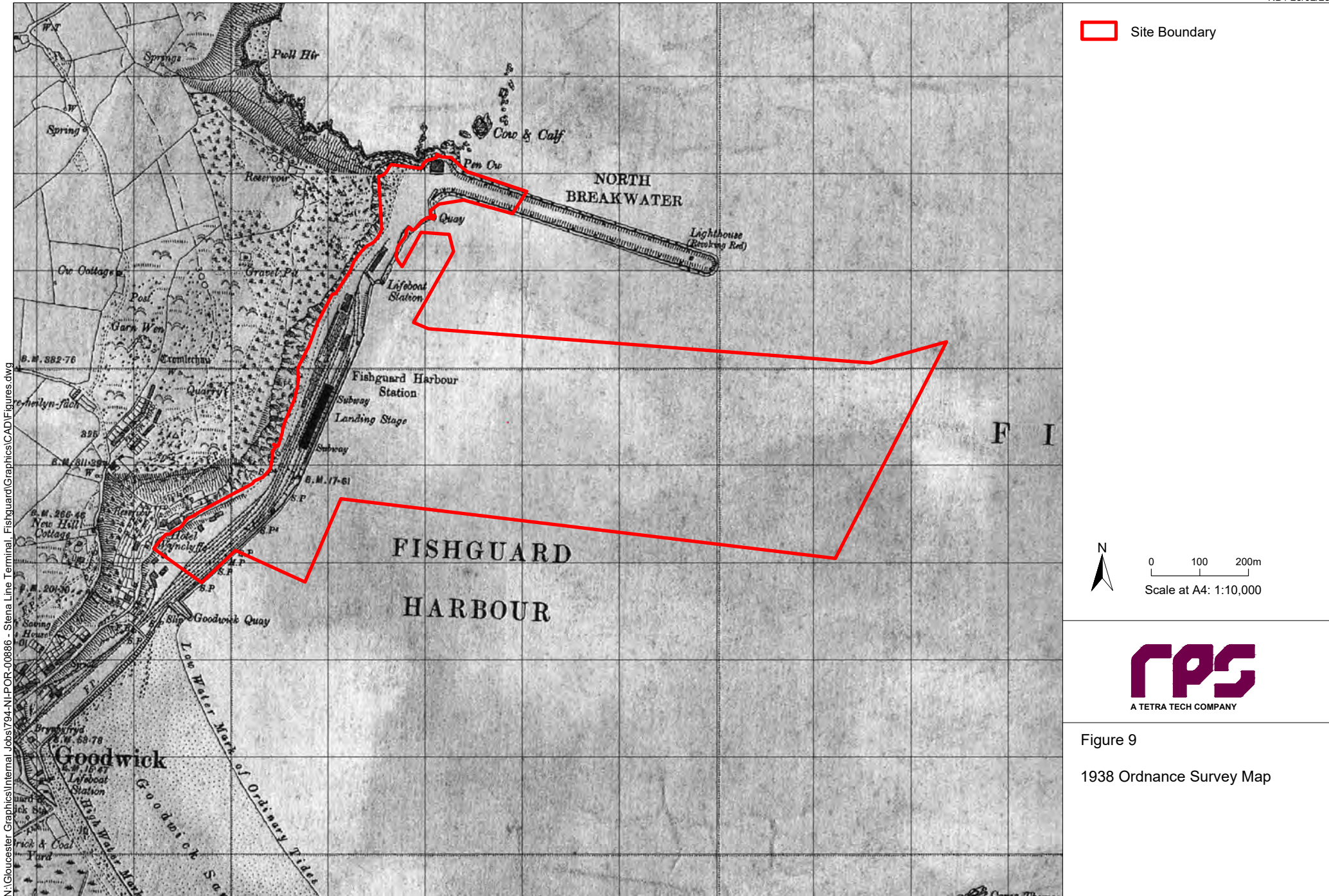
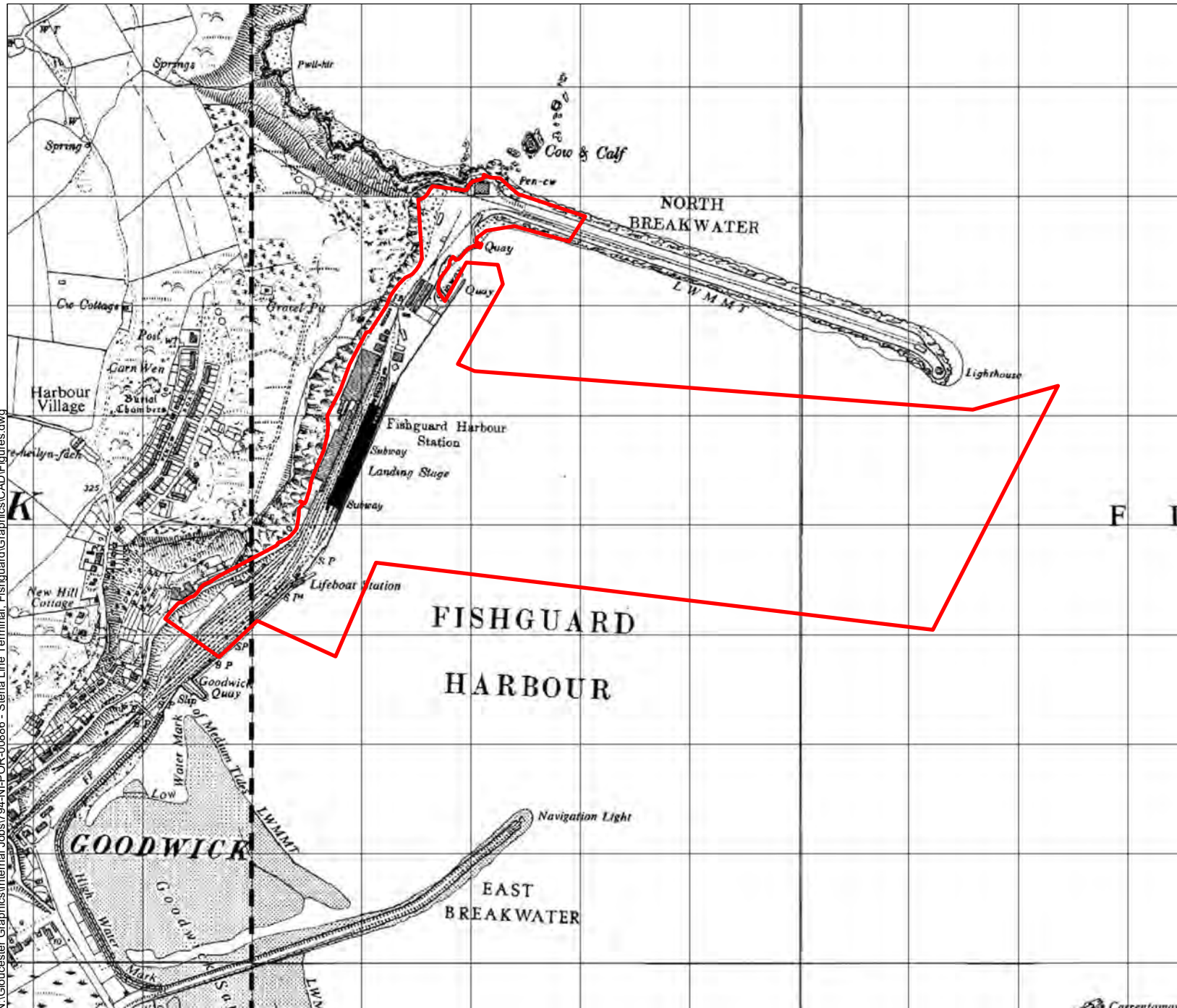


Figure 9
1938 Ordnance Survey Map

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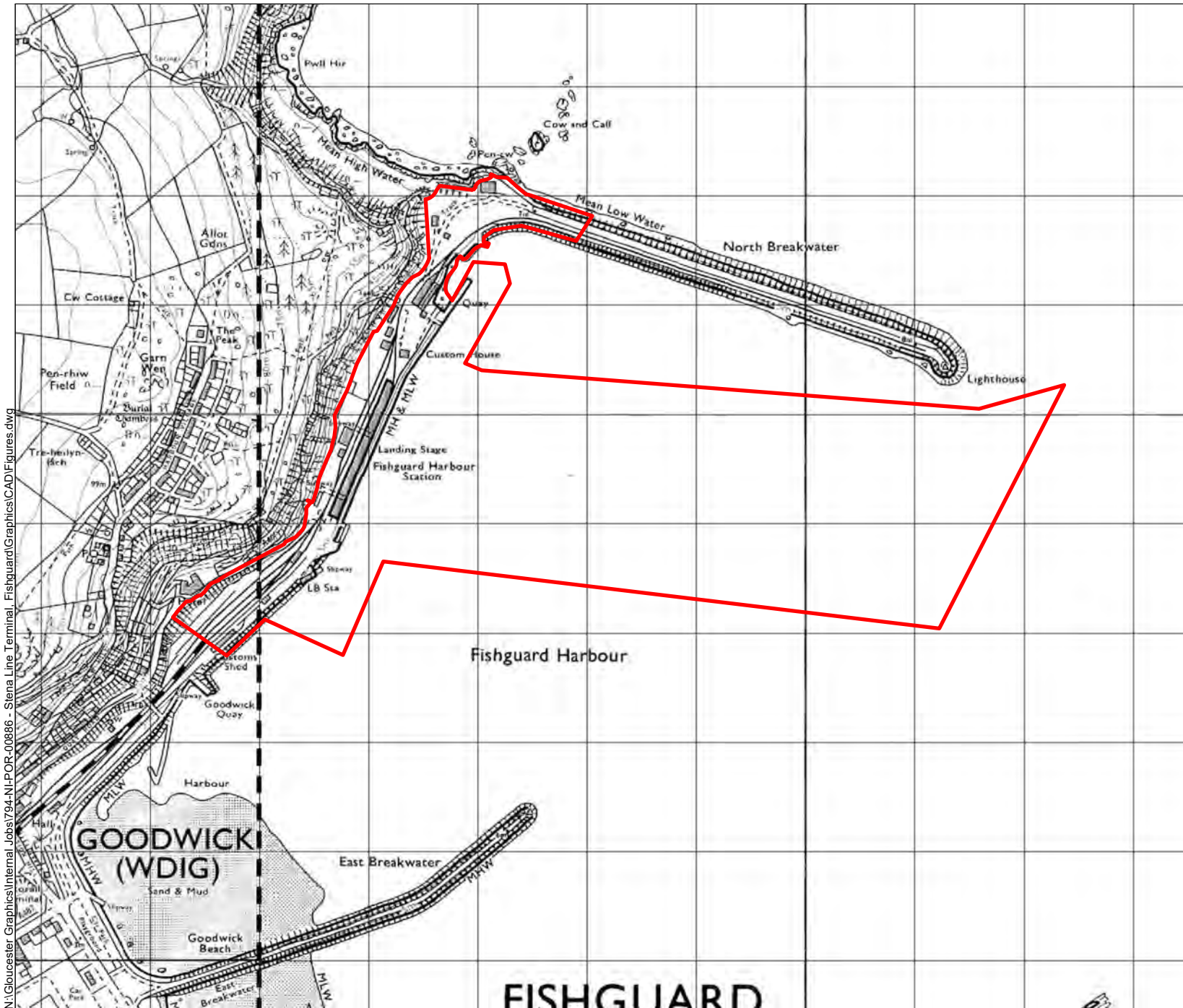


 Site Boundary

N
0 100 200m
Scale at A4: 1:10,000

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Figure 11
1964 Ordnance Survey Map



 Site Boundary

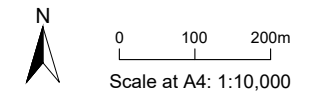
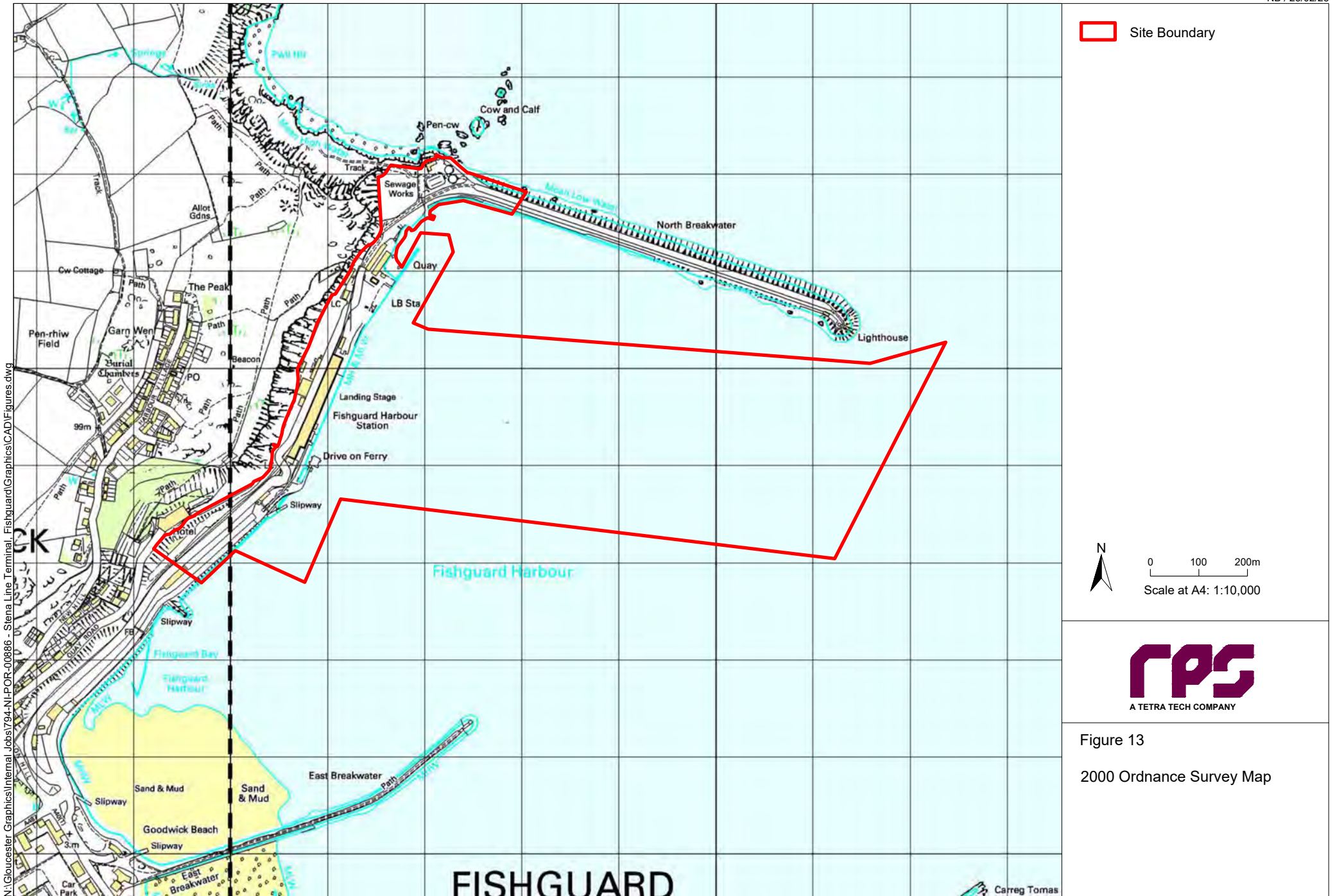


Figure 12
1974-1977 Ordnance Survey Map



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 Site Boundary



0 50 100m
Scale at A4: 1:8,000



Figure 14

2009 Google Earth Image

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 Site Boundary



0 50 100m
Scale at A4: 1:8,000



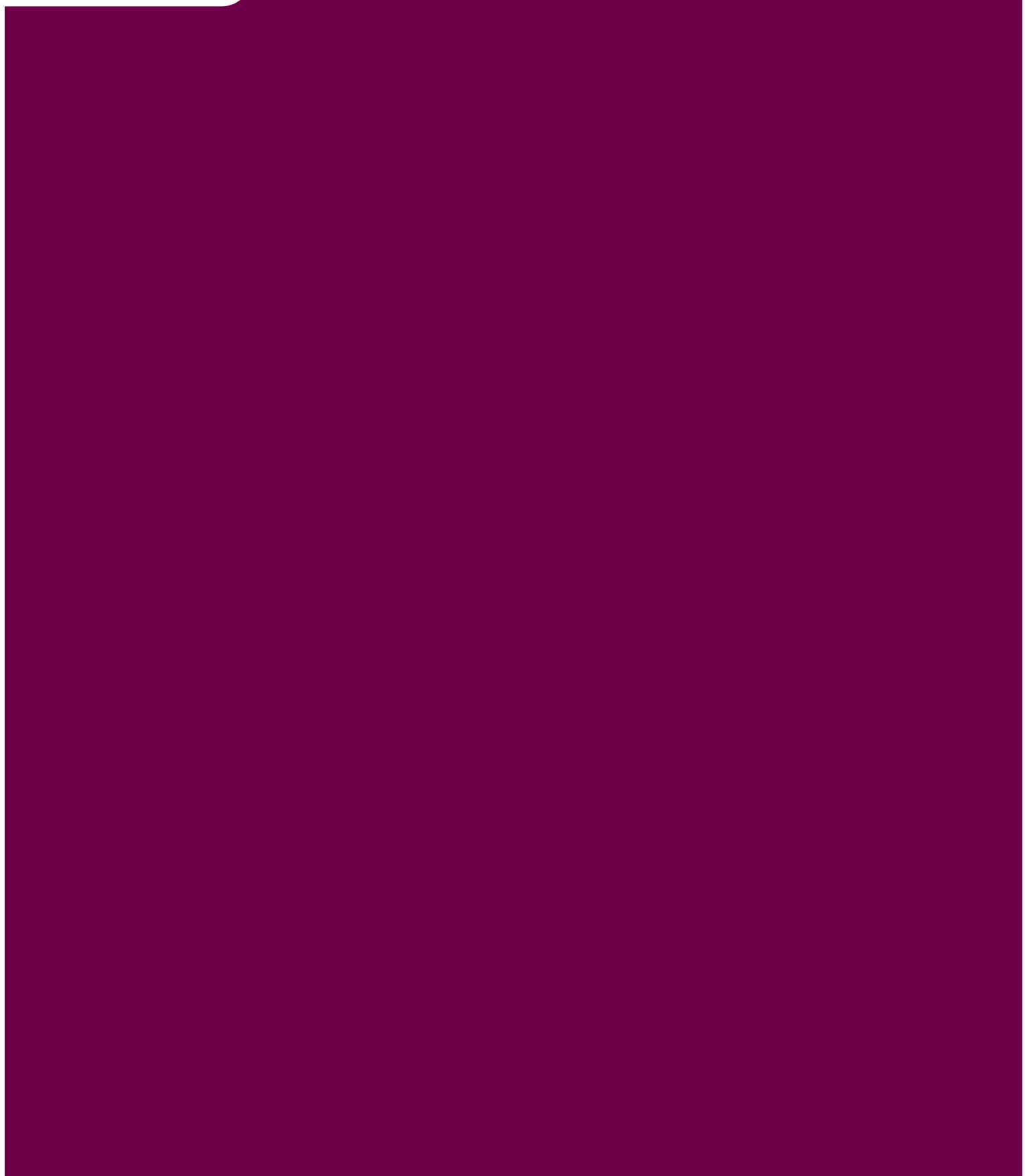
Figure 15

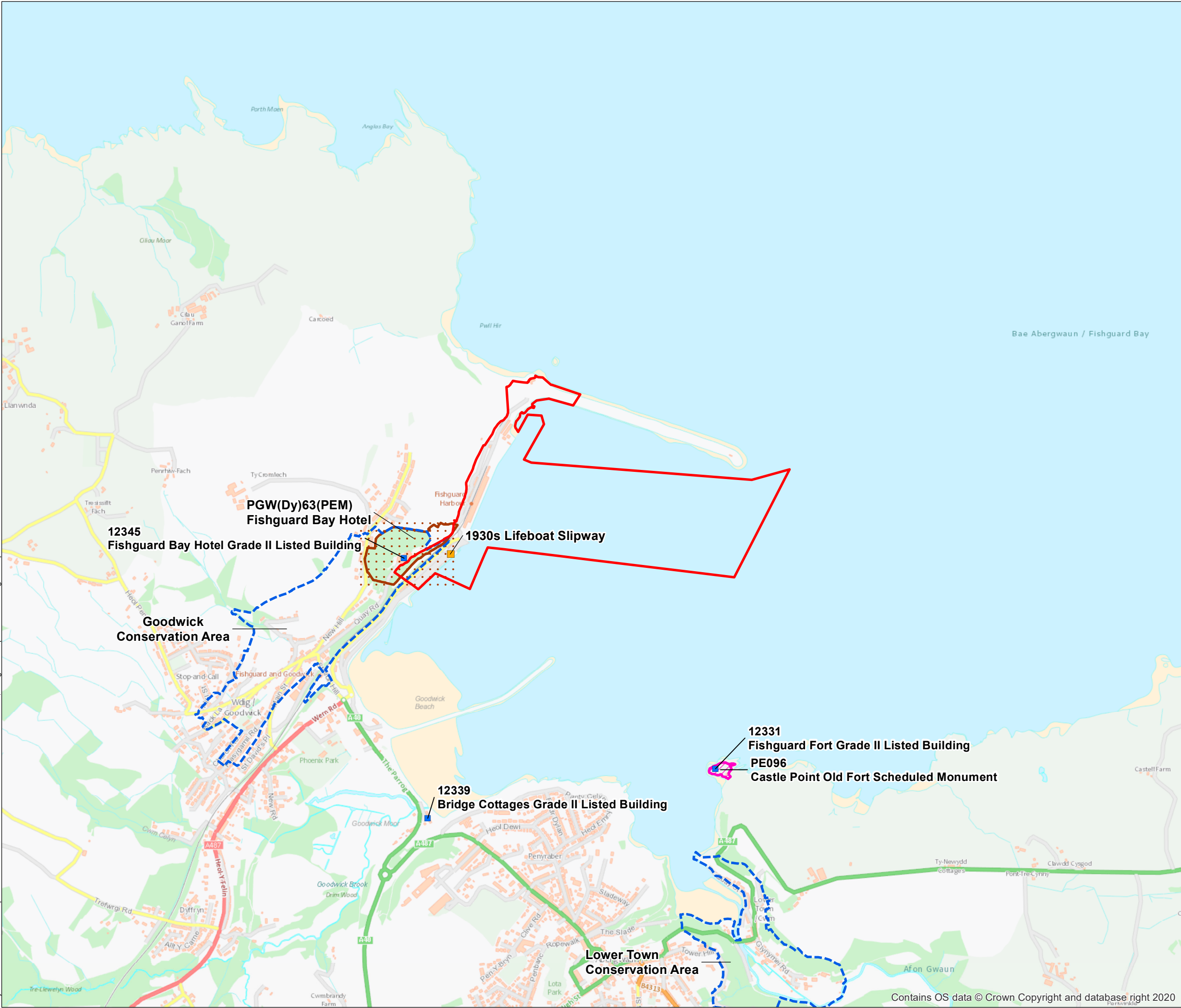
2023 Google Earth Image

16.2

Figure 16.2

Heritage Receptors





Legend

- Site Boundary
- Designated Heritage Assets:**
 - Registered Parks and Gardens
 - Scheduled Monuments
 - Listed Buildings (Grade II)
 - Conservation Areas
- Non-designated Heritage Assets:**
 - 1930s Lifeboat Slipway



0 250 500m
Scale at A3: 1:15,000

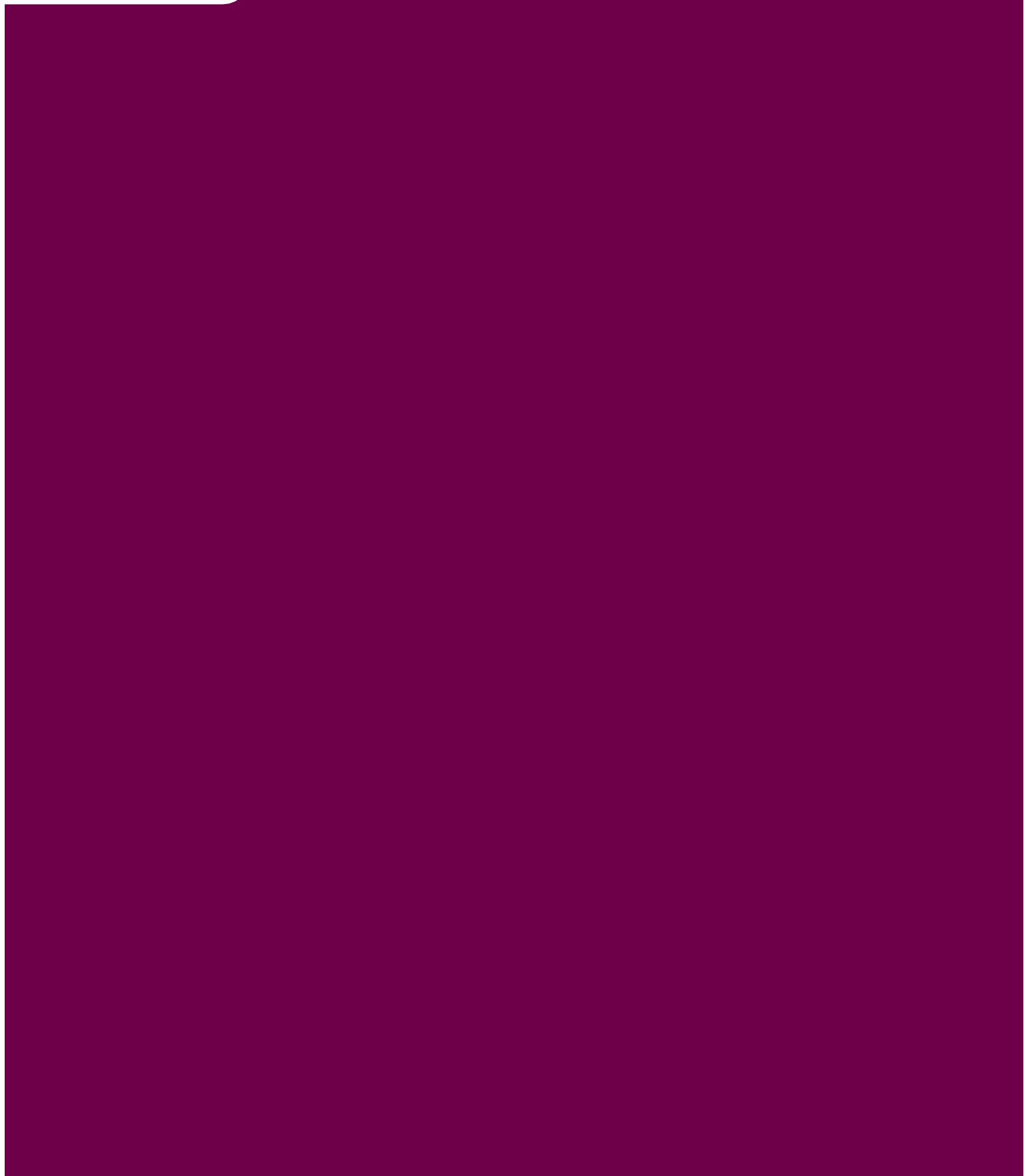


Figure 16.2
Heritage Receptors

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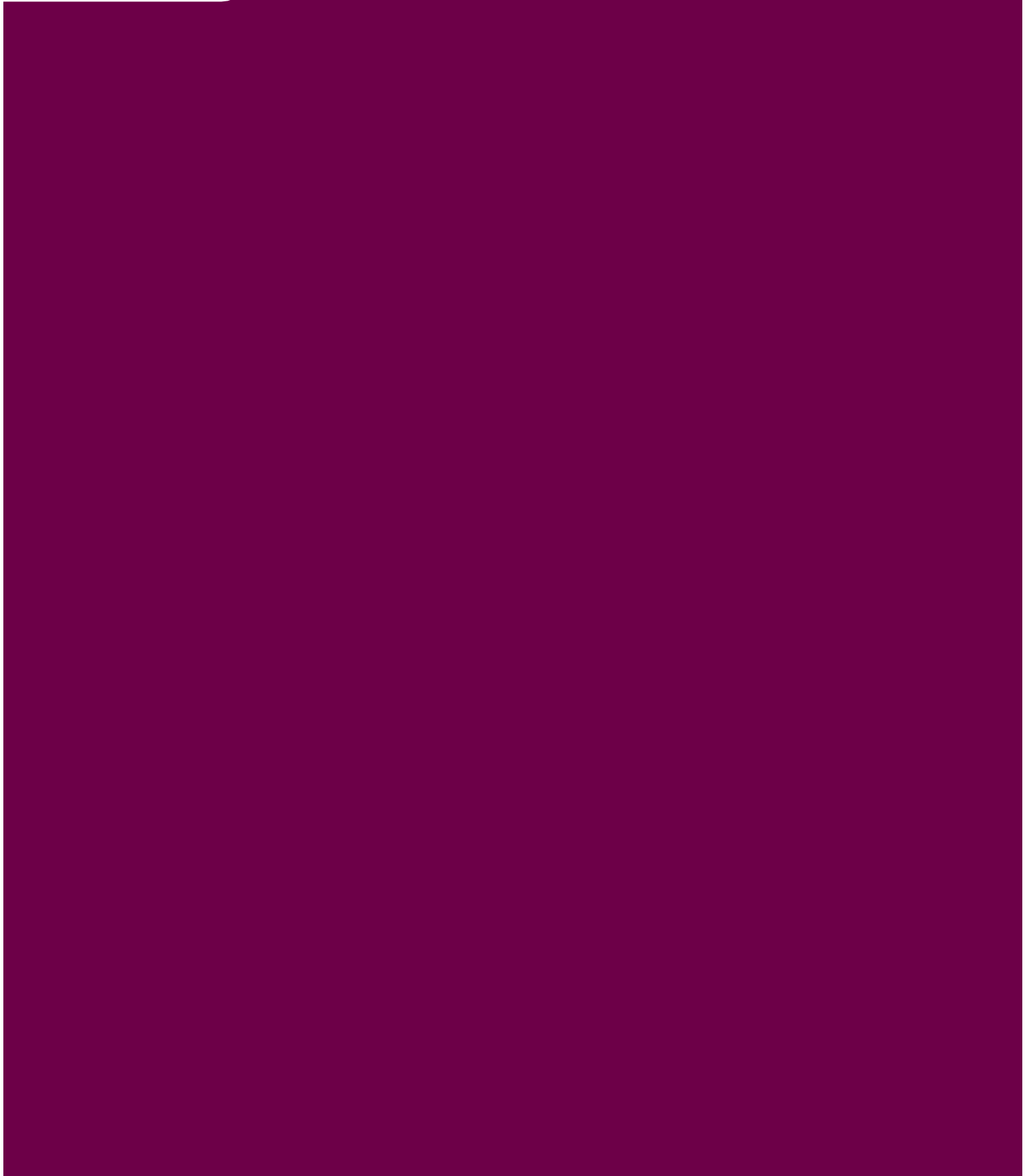
18.1

Figure 18.1
Water & Sewage
Infrastructure



18.2

Figure 18.2 Electrical Infrastructure



18.3-5

**Figure 18.3 – 18.5
Openreach Telecoms
Assets**

Legend

CAUTION AREA

 BT.CAUTION_AREA

EQUIPMENT

 FIBRE, TCODE

 COPPER, CABINET

 COPPER, DP

DUCT

 AERIAL

 TUNNEL

 DUCT

PROPOSED

 AERIAL

 DUCT

STRUCTURE

 YCODE

 CABINET SHELL

 SPLIT COUPLING

 POLE

 KIOSKS

 MANHOLE

 JOINTBOX

 CHANGE OF STATE

 DUCT TEE

PROPOSED

 MANHOLE

 JOINTBOX

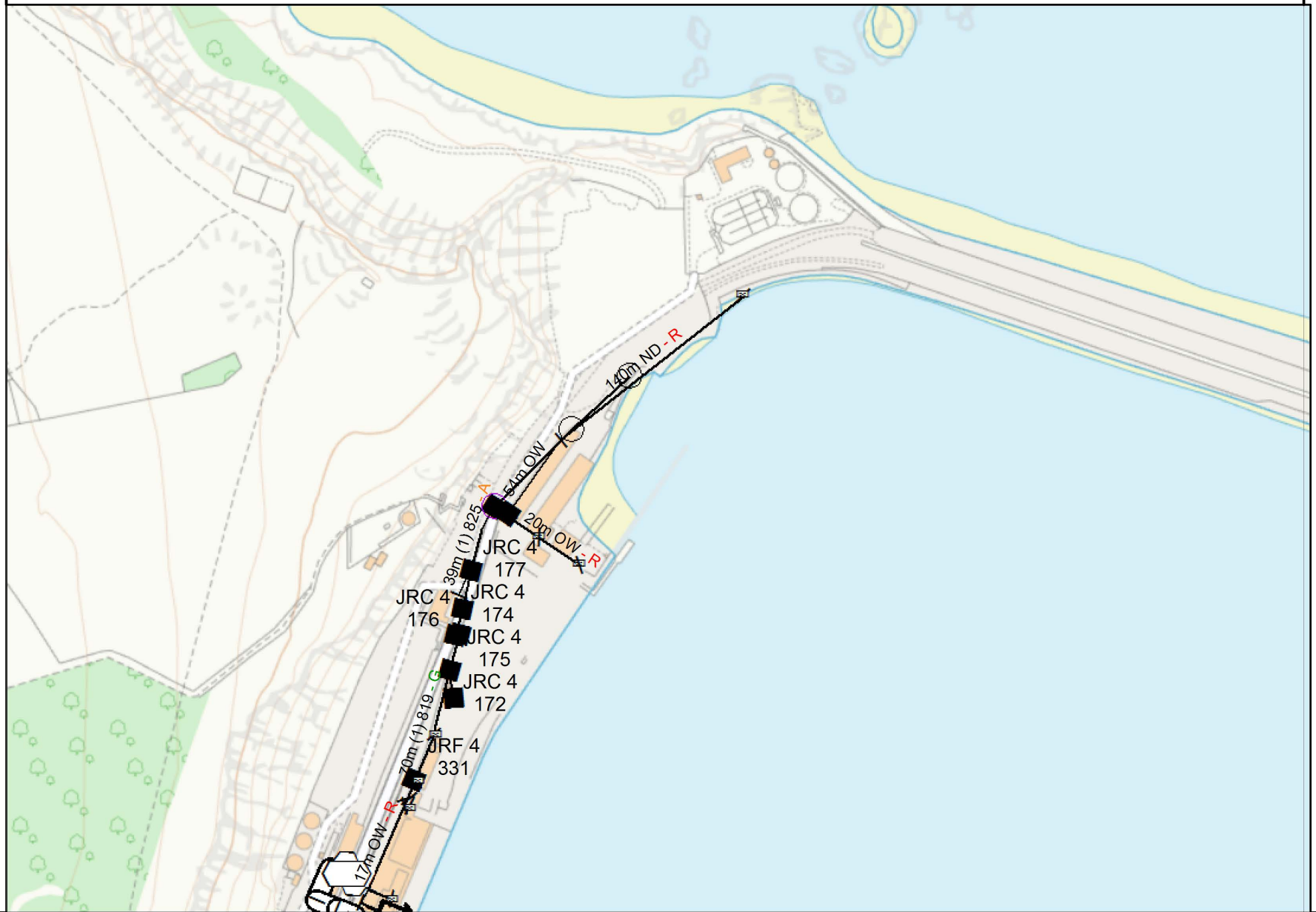
 DUCT TEE

Other proposed plant is shown using dashed lines.

BT symbols not listed above may be disregarded.

194975

195755



194975

195755

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Existing BT plant may not be recorded.
Information valid at time of preparation.

CLICK BEFORE YOU DIG
FOR PROFESSIONAL FREE ON SITE ASSISTANCE, PRIOR TO COMMENCEMENT OF EXCAVATION WORKS INCLUDING LOCATE AND MARKING SERVICE
email cbvd@openreach.co.uk

ADVANCE NOTICE REQUIRED
(Office hours Monday - Friday 08:00 to 17:00)



PLANT INFORMATION REPLY

NNHC RefNo: 517782 Date 22/01/2025

Stenaline Fishguard Fishguard Harbour Goodwick Wales SA64 0BU

openreach

Legend

CAUTION AREA

 BT.CAUTION_AREA

EQUIPMENT

 FIBRE, TCODE

 COPPER, CABINET

 COPPER, DP

DUCT

 AERIAL

 TUNNEL

 DUCT

PROPOSED

 AERIAL

 DUCT

STRUCTURE

 YCODE

 CABINET SHELL

 SPLIT COUPLING

 POLE

 KIOSKS

 MANHOLE

 JOINTBOX

 CHANGE OF STATE

 DUCT TEE

PROPOSED

 MANHOLE

 JOINTBOX

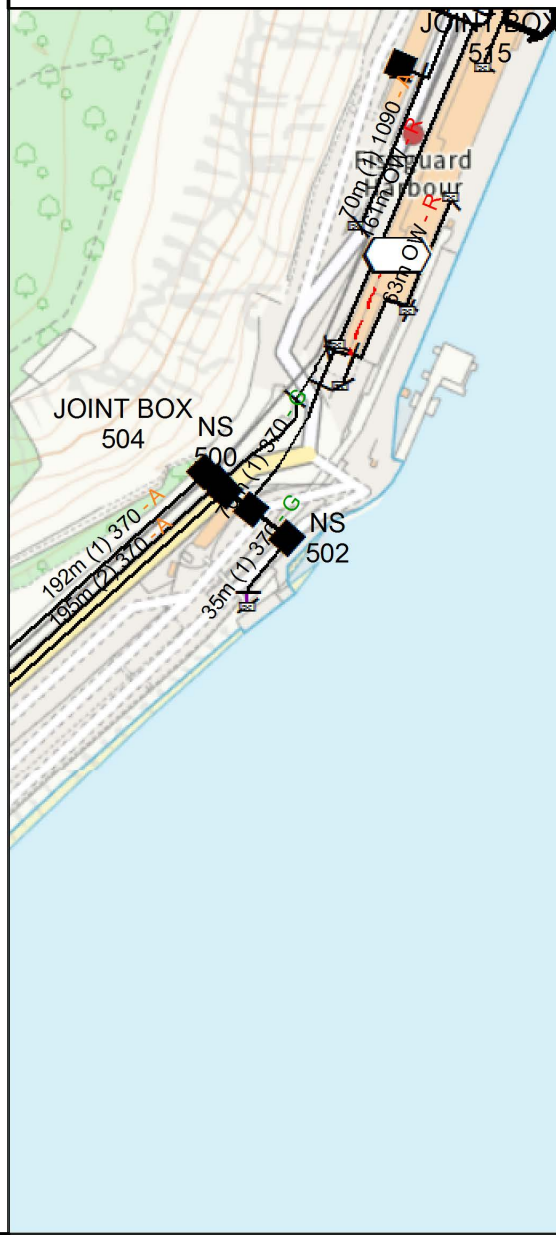
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194976

195756



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195756
194976
195756

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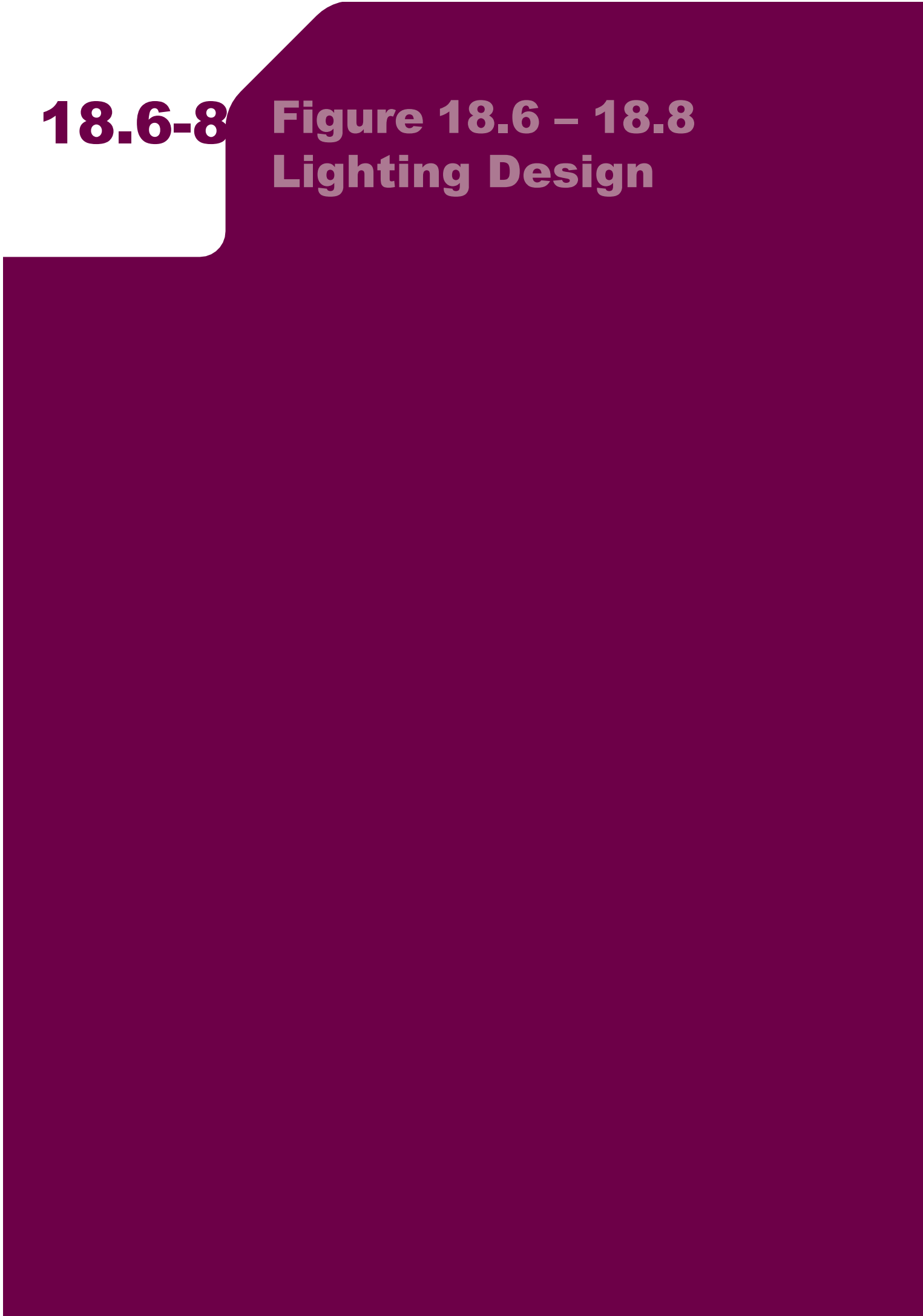
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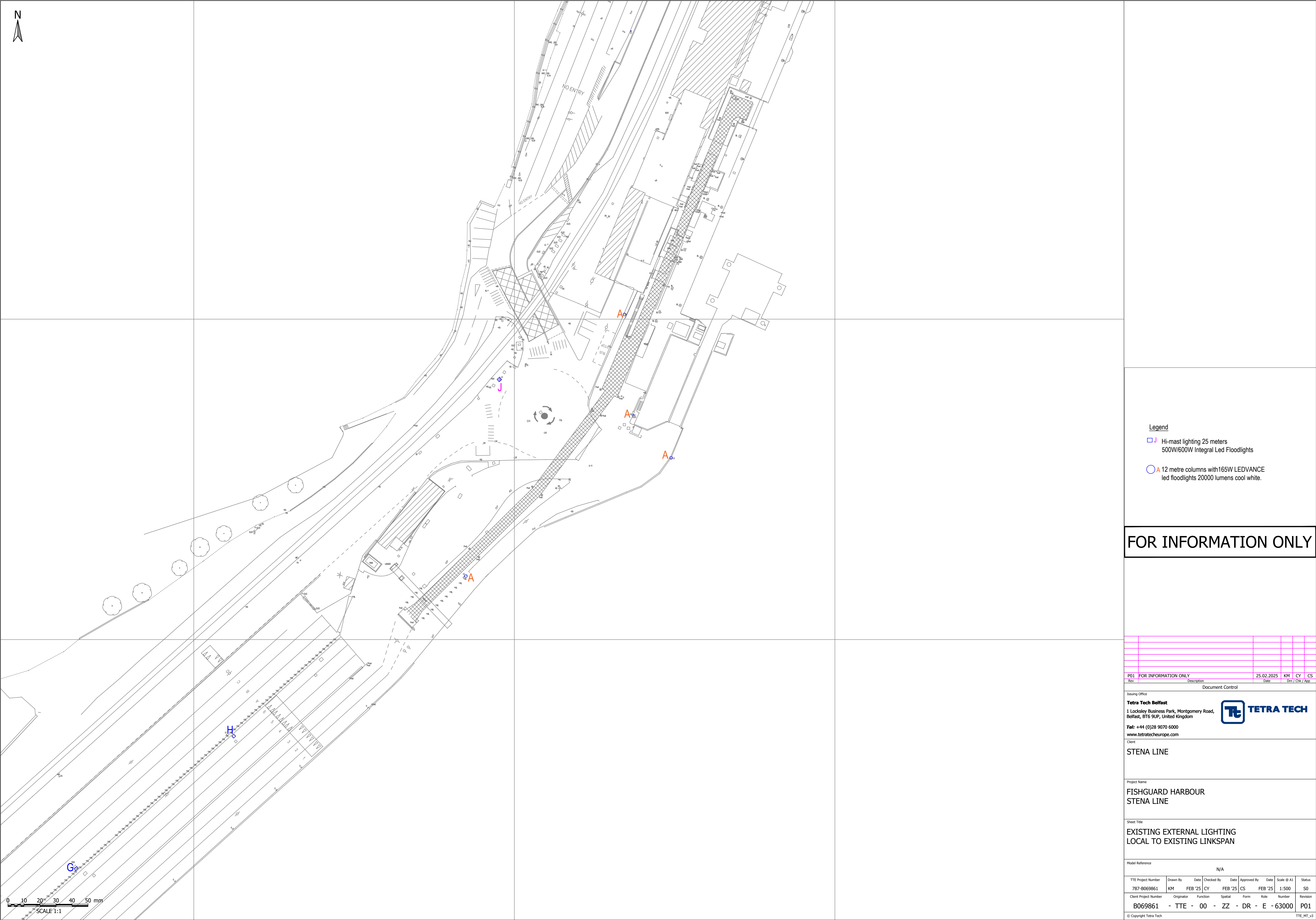
Stenaline Fishguard Fishguard Harbour Goodwick Wales SA64 0BU

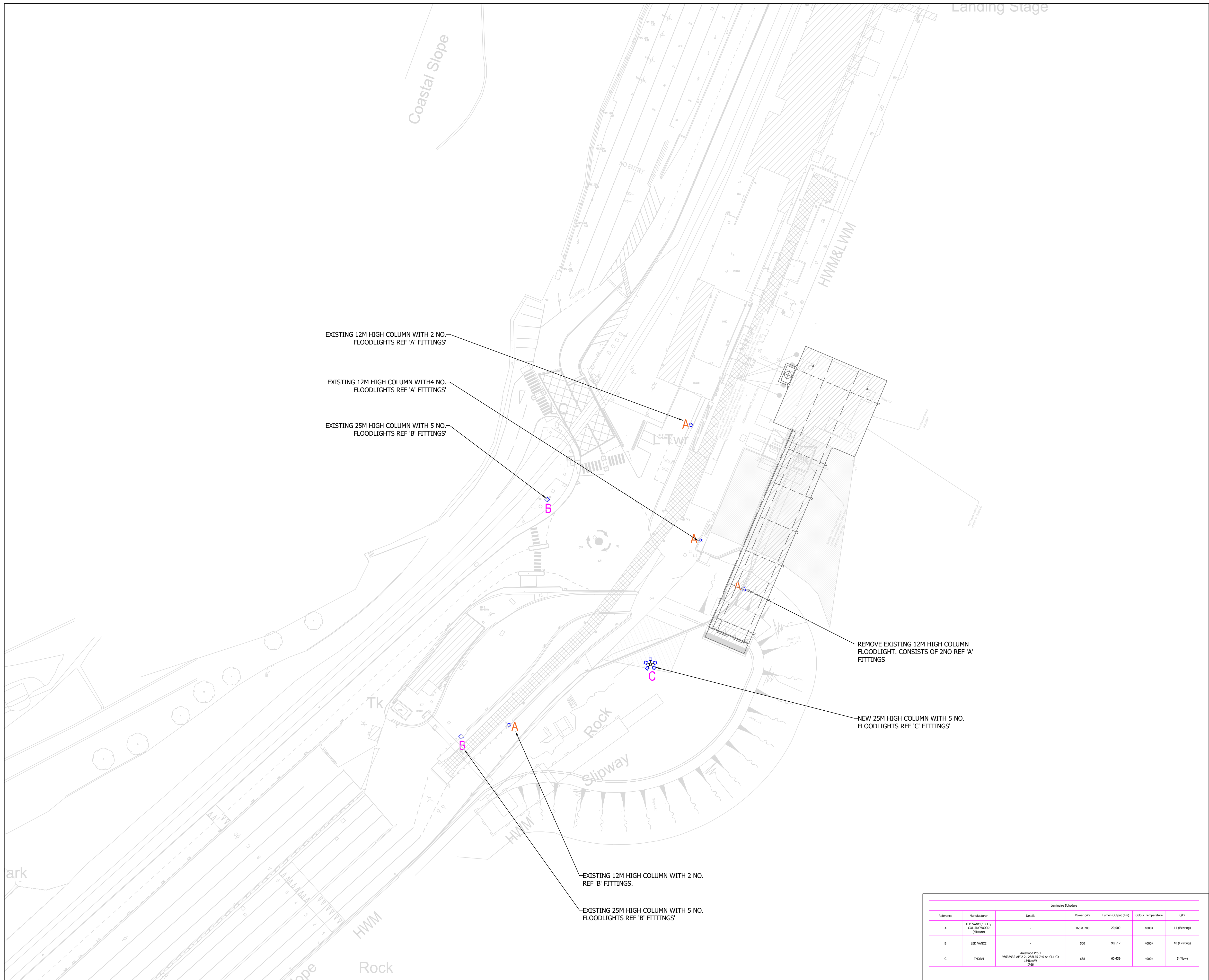
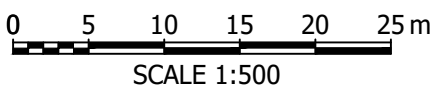
openreach

18.6-8

**Figure 18.6 – 18.8
Lighting Design**







1. ALL EXTERNAL LIGHTING GENERALLY TO BE IN ACCORDANCE WITH SLL GUIDANCE, CIBSE LOS, BREEM REQUIREMENTS AND ILP GUIDANCE NOTES FOR LIGHTING DESIGN, 2011.
2. ALL ISOLATORS, CONNECTORS ETC., TO BE RATED AT A MINIMUM OF IP65.
3. CONTRACTOR TO ALLOW FOR CONSTRUCTION, OFF-LOADING AND ERECTION OF LIGHTING COLUMNS.
4. LIGHTING CIRCUITS TO BE CABLED USING MULTICORE XLPE/SWA/PAV CABLE RATED FOR 10KV.
5. LIGHTING COLUMNS TO BE COMPLETE IN ALL RESPECTS AND INCORPORATE LANTERN, COVER, CONTROL GEAR, LAMPS AND ALL NECESSARY BRACKETS AND FIXINGS.
6. 150MM WIDE YELLOW WORKER AREA WITH CAUTION - CABLES BELOW - SIGNAGE TO BE PROVIDED ABOVE THE CABLE.
7. PROTECTIVE DEVICE RATINGS SHALL BE DETERMINED BY THE DISCRIMINATION OF THE UPSTREAM DEVICES, THE CONTRACTOR TO DESIGN.
8. LABELLING/IDENTIFICATION OF COLUMNS IS TO BE CONFIRMED ON SITE.
9. CLOSE ATTENTION SHALL BE PAID TO BREEM REQUIREMENTS REGARDING EXTERNAL LIGHTING.
10. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH DOCUMENTS AND DRAWINGS WHICH FORM PART OF THE WORKS INFORMATION INCLUDING ARCHITECTURAL, LANDSCAPE ARCHITECTURAL, MECHANICAL, CIVIL AND ELECTRICAL.
11. TETRA TECH ACCEPT NO RESPONSIBILITY FOR THIS DOCUMENT TO ANY OTHER PARTY OTHER THAN THE PERSON BY WHOM IT WAS COMMISSIONED - IT BEING UNDERSTOOD THAT THE CONTRACTOR HAS BEEN FULLY AND ADEQUATELY INFORMED OF THE CONTENTS OF THIS DOCUMENT AND HAS ACQUIRED THE NECESSARY OWN INDEPENDENT OBSERVATIONS AND ENQUIRIES AS TO THE NATURE, EXTENT AND PRACTICABILITY OF THE WORKS, THE SUPPLIES AND ALL CONDITIONS AFFECTING LABOUR AND GENERALLY OF ALL DETAILS OF THE PROJECT WHICH IN ANY WAY AFFECT HIS TENDER. NO MONETARY OR OTHER CLAIM ON THE GROUNDS OF WANT OF KNOWLEDGE OF ANY OR ALL OF THE AFORESAID MATTERS SHALL BE ENTERTAINED BY THE EMPLOYER.
12. ELECTRICAL CONTRACTOR SHALL TAKE FULL COGNIZANCE OF THE COMPLETION OF ALL NECESSARY WORKS TO BE COMPLETED PRIOR TO ANY HAZARDOUS OPERATIONS LISTED THEREIN, WITHOUT STATEMENTS SHALL ALSO BE PROVIDED FOR ANY HAZARDOUS OPERATION WHICH BECOMES NECESSARY TO PROCEED WITH THE CONSTRUCTION PHASE.
13. ALL NECESSARY SUPPLIES, FIXINGS, BRACKETRY COUPLERS, ETC FOR FIXING TO THE BUILDING FABRIC TO BE INCLUDED TO ENSURE SAFE, RIGID INSTALLATION.
14. THE CONTRACTOR IS TO DESIGN, SUPPLY, INSTALL, TEST, DEMONSTRATE, COMMISSION AND PROVIDE TRAINING FOR ALL ELECTRICAL SYSTEMS AND SUPPLY ALL RELEVANT DOCUMENTATION TO THE ENGINEER PRIOR TO HANDOVER. THIS IS INCLUDED FOR ALL SYSTEMS.
15. THE CONTRACTOR IS REQUIRED TO COMPLETE THE INSTALLATION OF THE SYSTEMS NOT LIMITED TO THAT SHOWN ON THIS DRAWING, THE CONTRACTOR SHALL INCLUDE FOR ALL ITEMS OF EQUIPMENT DEEMED NECESSARY TO PROVIDE A SAFE AND FULLY OPERATIONAL SYSTEM.
16. ALL WORKS REQUIRED TO COMPLETE THE INSTALLATION OF THE SYSTEMS NOT LIMITED TO THAT SHOWN ON THIS DRAWING, THE CONTRACTOR SHALL INCLUDE FOR ALL ITEMS OF EQUIPMENT DEEMED NECESSARY TO PROVIDE A SAFE AND FULLY OPERATIONAL SYSTEM.
17. ALL WORKS REQUIRED TO COMPLETE THE INSTALLATION OF THE SYSTEMS NOT LIMITED TO THAT SHOWN ON THIS DRAWING, THE CONTRACTOR SHALL INCLUDE FOR ALL ITEMS OF EQUIPMENT DEEMED NECESSARY TO PROVIDE A SAFE AND FULLY OPERATIONAL SYSTEM.
18. CONTRACTOR SHALL INCLUDE FOR THE FINAL CONNECTION OF ALL EQUIPMENT IRRESPECTIVE OF SUPPLIER.
19. ELECTRICAL CONTRACTOR SHALL SUPPLY AND INSTALL ALL NECESSARY MATERIALS, WORKMANSHIP, TOOLS AND EQUIPMENT TO COMPLETE THE SYSTEMS INSTALLED BY SPECIALIST SUB-CONTRACTORS I.E. TELEPHONE, SECURITY AND DATA INSTALLATIONS. THE ELECTRICAL SUB-CONTRACTOR SHALL LIAISE WITH THE SPECIALIST SUB-CONTRACTORS FOR EXACT REQUIREMENTS, AND FIRST FIX TIMES.
20. EXACT POSITIONING OF ALL OUTLETS/ACCESSORIES SHALL BE AGREED WITH THE ENGINEER/ARCHITECT PRIOR TO THE FIRST FIX. ALL OUTLETS TO BE INSTALLED TO THE EXACT POSITIONING OF THE OUTLET/ACCESSORY.
21. NEW EXTERNAL LUMINAIRES ARE TO BE SPECIFIED WITH SPECIAL SURFACE TREATMENT FOR INSTALLATION IN SEA AIR ENVIRONMENTS.

FOR INFORMATION ONLY

P01	Rev	For Information	07/04/2025	RPS	CS	CS
		Description	Date	Drn / Chk / App		



Client

STENA LINE

FISHGUARD HARBOUR

PROPOSED LIGHTING LAYOUT

Model Reference								
N/A								
TTE Project Number	Drawn By	Date	Checked By	Date	Approved By	Date	Scale @ A1	Status
787-B069861	RPS	APR/25	CS	APR/25	CS	APR/25	As Shown	S0
Client Project Number	Originator	Function	Spatial	Form	Role	Number	Revision	
PRJ01	- TTE	- 00	- ZZZ	- DR	- E	- 63001	P01	

Areaflood Pro 2

THORN

96635932 AFP2 2L 288L75-740 A4 CL1 GY

LED 638W AFP288L75-740A4_N	ISO 9223 C5	PLUG 11	UK CA	IP 66	IK 08	CE	0,5m
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Areaflood Pro 2

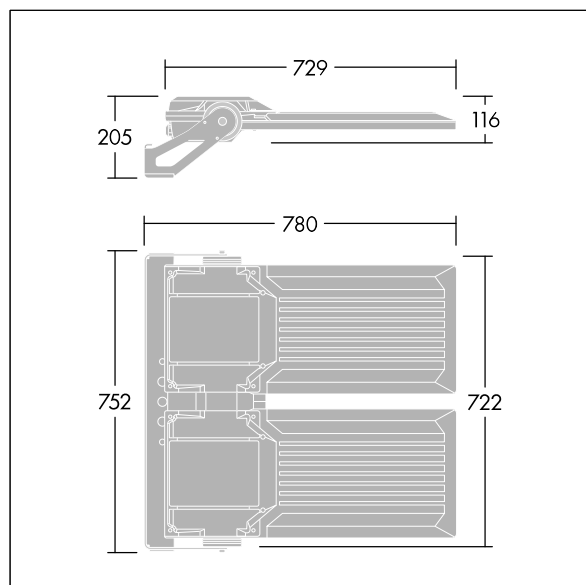
A compact, lightweight, general purpose LED area floodlight. With large x 2 body. driving 288 LEDs at 750mA with Asymmetrical 40° light distribution. IP66, IK08, Class I electrical. Body: die-cast aluminium (EN AC-44300), Light grey 150 sanded textured (close to RAL9006).. Enclosure: 5mm thick toughened glass. Reversible mounting stirrup supplied, Complete with 4000K LED.

Integrated 6kV surge protection included as standard, with higher 10kV protection when selected (designated by 'SP' in the description).

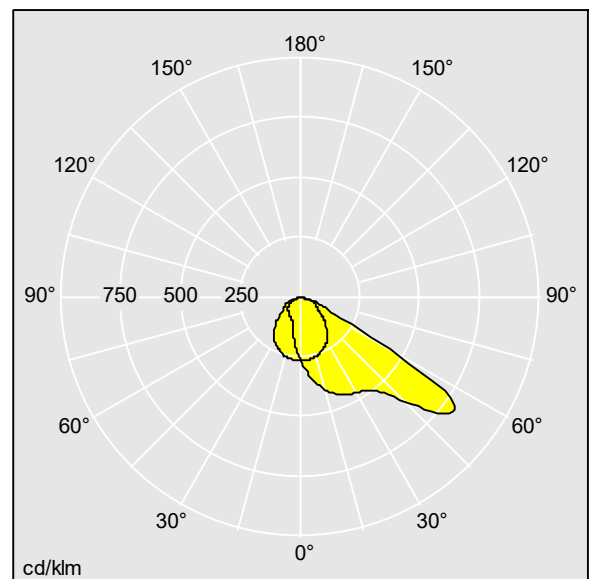
Dimensions: 780 x 722 x 116 mm
Luminaire input power: 638 W
Luminaire luminous flux: 98512 lm
Luminaire efficacy: 154 lm/W
weight: 29.22 kg
Scx: 0.136 m²



TLG_AFP2_F_2L_1.jpg



TLG_AFP2_M_2L.wmf



TL_AFP288L75A4PC740.ltd

Lamp position: STD - standard
Light Source: LED
Luminaire luminous flux*: 98512 lm
Luminaire efficacy*: 154 lm/W
Colour Rendering Index min.: 70
LOR: 1,00 ULOR: 0,00 DLOR: 1,00

Ballast: 4 x 87500991 LCO 165/200-1050/285 o4a NF C EXC3
Correlated colour temperature*: 4000 Kelvin
Chromaticity tolerance (initial MacAdam): 5
Rated median useful life*:
L95 50000 h at 25 °C
Luminaire input power*: 638 W Power factor = 0.95

This product contains light sources of energy efficiency classes D, E.

All values marked with an * are rated values. Thorn uses tried and tested components from leading suppliers, however there may be isolated instances of technology-related failures of individual LEDs during the rated product lifetime. International standards set the tolerance in initial flux and connected load at $\pm 10\%$. Unless stated otherwise, the values apply to an ambient temperature of 25°C.Risk group

Thorn Lighting is constantly developing and improving its products. The right is reserved to change specifications without prior notification or public announcement.
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