

For Office Use Only:

Case Reference No: 2SPC/____/____(____)



SCOTTISH EXECUTIVE

**COAST PROTECTION ACT 1949 (SECTION 34)
CONSENTS IN TIDAL WATERS**

Application Form MW1

This form should be used for all construction works within Scottish Tidal Waters including; Dredging works; remedial repair works; new Coast/Flood protection works and laying of sub sea cables etc.

3. LOCATION

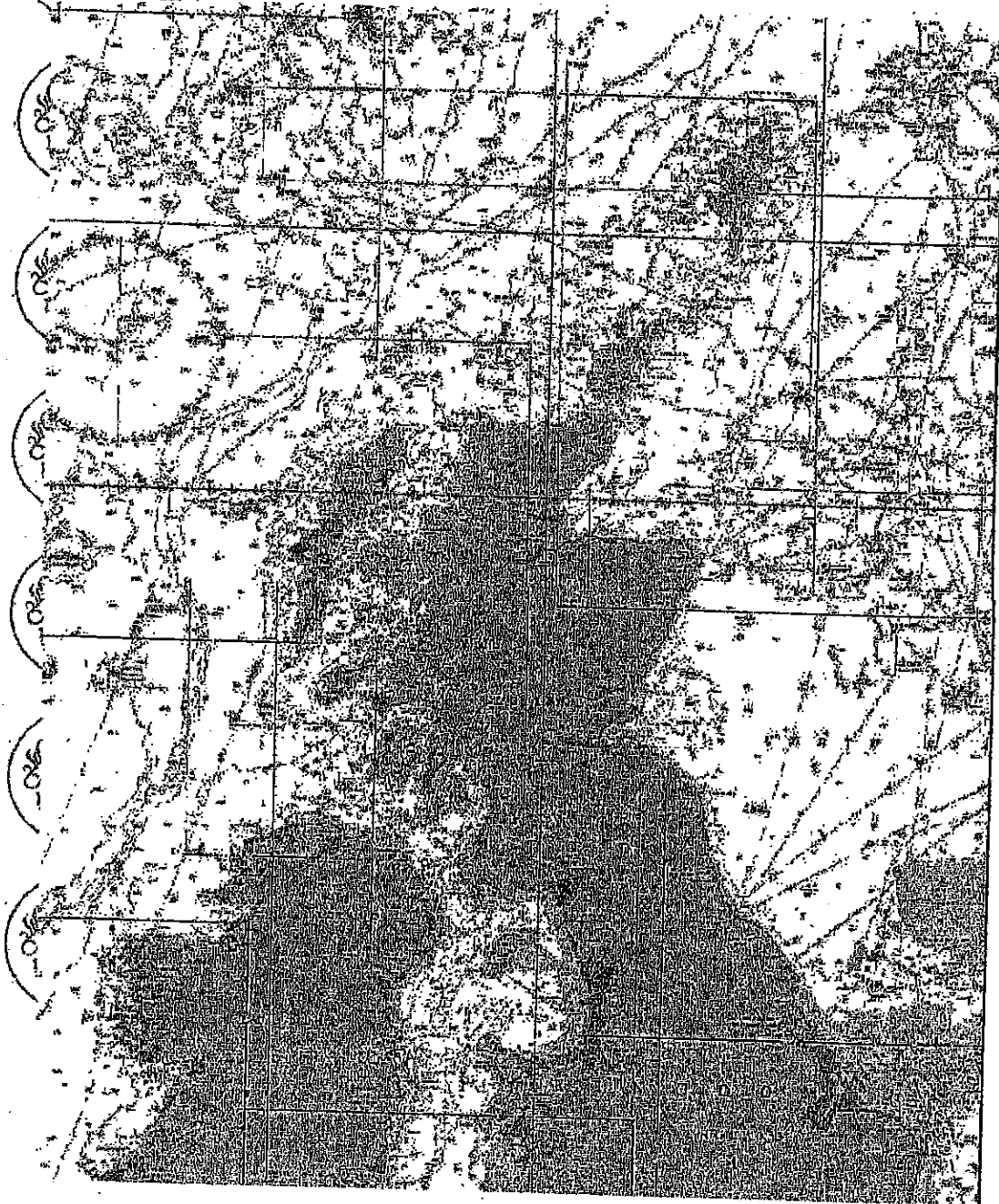
PLEASE REFER TO ANNEX A FOR CO-ORDINATES OF LONGITUDE AND LATITUDE

3.1 Please supply the Longitude and Latitude of these works (WGS 84 Datum only)

Longitude										Latitude									

Complete on a separate sheet if required

3.2 Please mark with a cross on mini map the geographical location of the works



3.3 Please tell us the geographical name, where the proposed works are to be located.

80 W A Y F I R T H

4 DETAIL OF WORKS

4.1 Please tick one of the boxes for the type of works, which is closest to your proposal.

<input checked="" type="checkbox"/> Works mlws	<input type="checkbox"/> works mlws seaward
<input type="checkbox"/> Outfall work	<input type="checkbox"/> Dredging works
<input type="checkbox"/> Coastal Protection/Flood Prevention	<input type="checkbox"/> Cable laying
<input type="checkbox"/> New Harbour/Berthing facilities	<input type="checkbox"/> Major marine development
<input checked="" type="checkbox"/> Offshore Energy	<input type="checkbox"/> Ad hoc

4.2 Please list any equipment to be used to undertake works

Equipment Name
1 TO BE DETERMINED WHEN CONTRACTOR IS APPOINTED BUT A
2 NUMBER OF SHIPS INCLUDING CONSTRUCTION BARGES AND CABLE
3 LAYING SHIPS WILL BE INVOLVED - SEE ALSO ACCOMPANYING
4 ENVIRONMENTAL STATEMENT
5
6

Complete on a separate sheet if required

4.3 Please supply any relevant technical detail on this equipment that may be relevant to navigational safety, such as on board lighting of vessels etc






4.4 What are the works Dimensions? PLEASE REFER TO DRAWINGS AND PLANS COMPASSING

	Width	Length	Height	Depth
1	X	X	X	X
2	X	X	X	X
3	X	X	X	X
4	X	X	X	X
5	X	X	X	X
6	X	X	X	X

Complete on a separate sheet if required ANNEXES B AND C. ANNEX B PROPOSES MULTI-PILE FOUNDATIONS. ANNEX C PROPOSES MONOPILE FOUNDATIONS. ANNEX B ALSO ATTACHES DETAILS OF PROPOSED OFFSHORE SUB STATION

8 CHECK LIST

8.1 Please ensure the following are enclosed with your application.

 • 3 copies of this application form	<input checked="" type="checkbox"/> Included <input type="checkbox"/> Not included
 • 6 copies of all plans and drawings	<input checked="" type="checkbox"/> Included <input type="checkbox"/> Not included
 • 6 copies of an extract of a Admiralty chart	<input checked="" type="checkbox"/> Included <input type="checkbox"/> Not included
 • 2 copies of correspondence with environmental bodies	<input type="checkbox"/> Included <input checked="" type="checkbox"/> Not included
 • Copy of original consent	<input type="checkbox"/> Included <input type="checkbox"/> Not included

9 STATEMENT AND SIGNATURE

I confirm that the information given is correct, and should the positions, plans, or equipment change, this information shall be passed on to the Scottish Executive Transport Division as soon as practicable

SIGNED: 

AND PEARCE AS AGENTS FOR APPLICANTS

BLOCK CAPITALS:

DATE: 12 July 2002

This form should now be returned completed to the Scottish Executive, Transport Division 4, Meadowbank Way (north), Victoria Quay, EDINBURGH, EH6 6QQ. Alternatively, you may email this completed application to coast.protection@scotland.gov.uk. ALL plans and drawings MUST follow by post before the application can be progressed.



COAST PROTECTION ACT 1949 (SECTION 34)
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Application Form MW1

RIDER 1

4.5 Please describe the Method to be used referring to any attachments if required.

The works comprise the installation of offshore wind turbines on foundations which will either comprise monopiles or multi-piles. See the drawings comprising Annexes B and C for further details. It is also proposed to install an offshore substation and sub-sea cabling between the wind turbines and between wind turbine (K3) see figure 1.2 on the English border. The offshore substation details are shown within Annex B. Please also see Environmental Statement accompanying application for further details of works.

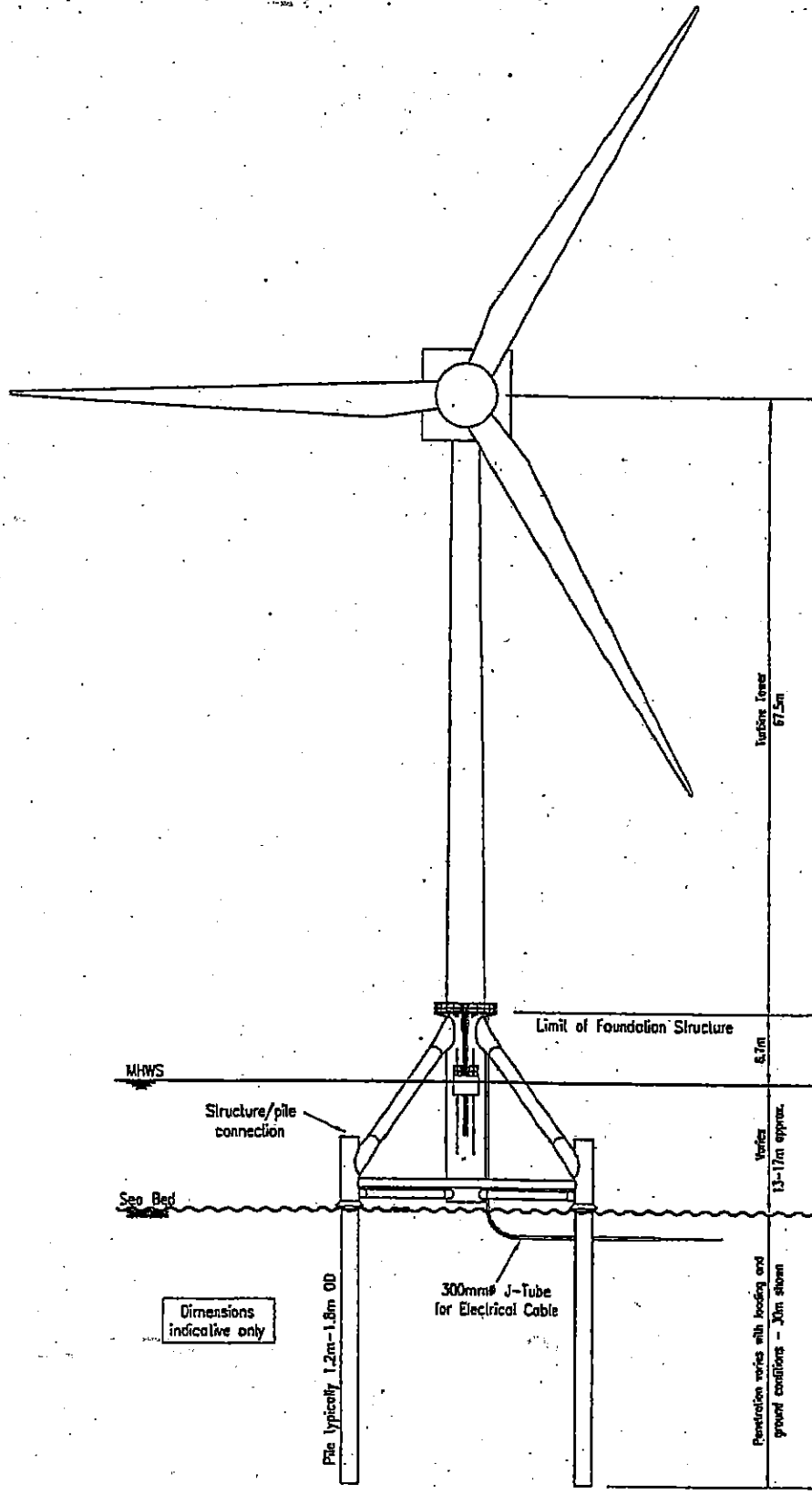
4.6 What is the purpose of this Construction?

To enable the installation of an offshore wind farm.

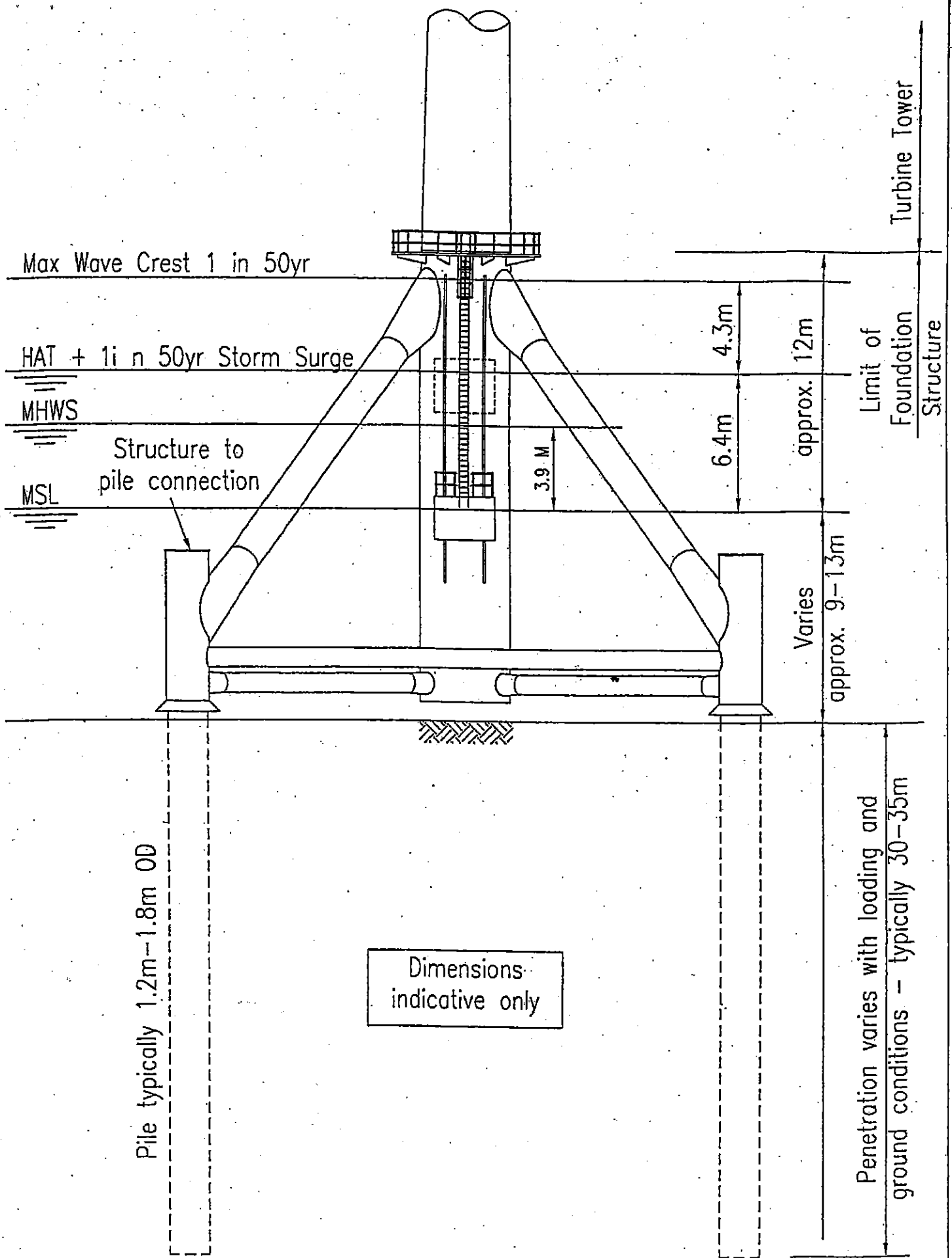
4.8 How long will these works take?

For discussion but over a period of eighteen months.

Solway Offshore Wind Farm		
Turbine co-ordinates		
Turbine	Easting (m)	Northing (m)
A1	290703	543168
A2	291153	542982
B1	290130	542923
B2	290524	542739
B3	290962	542541
B4	291367	542368
B5	291753	542132
C1	289517	542725
C2	289955	542530
C3	290352	542343
C4	290789	542134
C5	291181	541954
C6	291592	541751
D1	288897	542509
D2	289324	542311
D3	289777	542101
D4	290174	541915
D5	290602	541720
D6	290996	541539
D7	291424	541341
E1	288346	542239
E2	288711	542068
E3	289150	541873
E4	289583	541672
E5	289989	541489
E6	290416	541299
E7	290826	541088
E8	291237	540902
F1	288118	541830
F2	288560	541691
F3	288985	541449
F4	289405	541259
F5	289810	541075
F6	290246	540875
F7	290649	540678
F8	291067	540490
G1	287916	541413
G2	288343	541214
G3	288806	541024
G4	289227	540846
G5	289628	540661
G6	290060	540474
G7	290471	540285
G8	290901	540099
H1	288175	540806
H2	288621	540590
H3	289032	540418
H4	289453	540247
H5	289874	540061
H6	290303	539874
H7	290733	539706
J1	288425	540126
J2	288846	539948
J3	289267	539786
J4	289688	539616
J5	290109	539438
J6	290505	539284
K1	288660	539527
K2	289089	539349
K3	289502	539171
Sub-station platform	291150	540380
Met. Mast	288514	539284

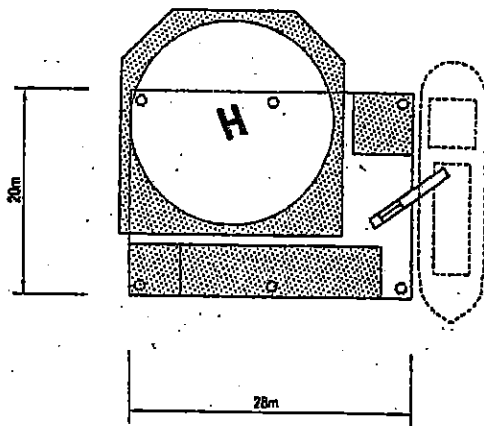


Solway Firth Wind Farm
Turbine Tower with Multi Pile Foundation

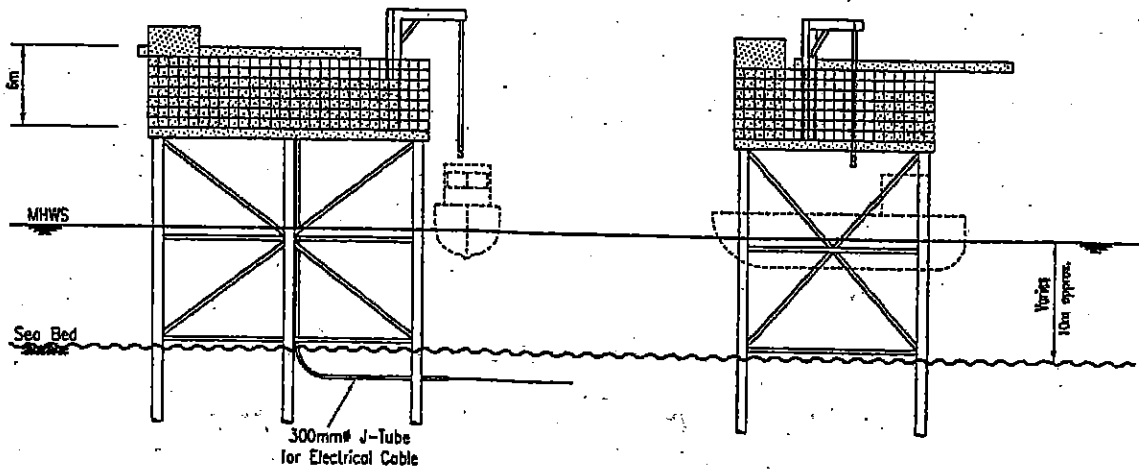


Dimensions
indicative only

Multi-Pile Foundation



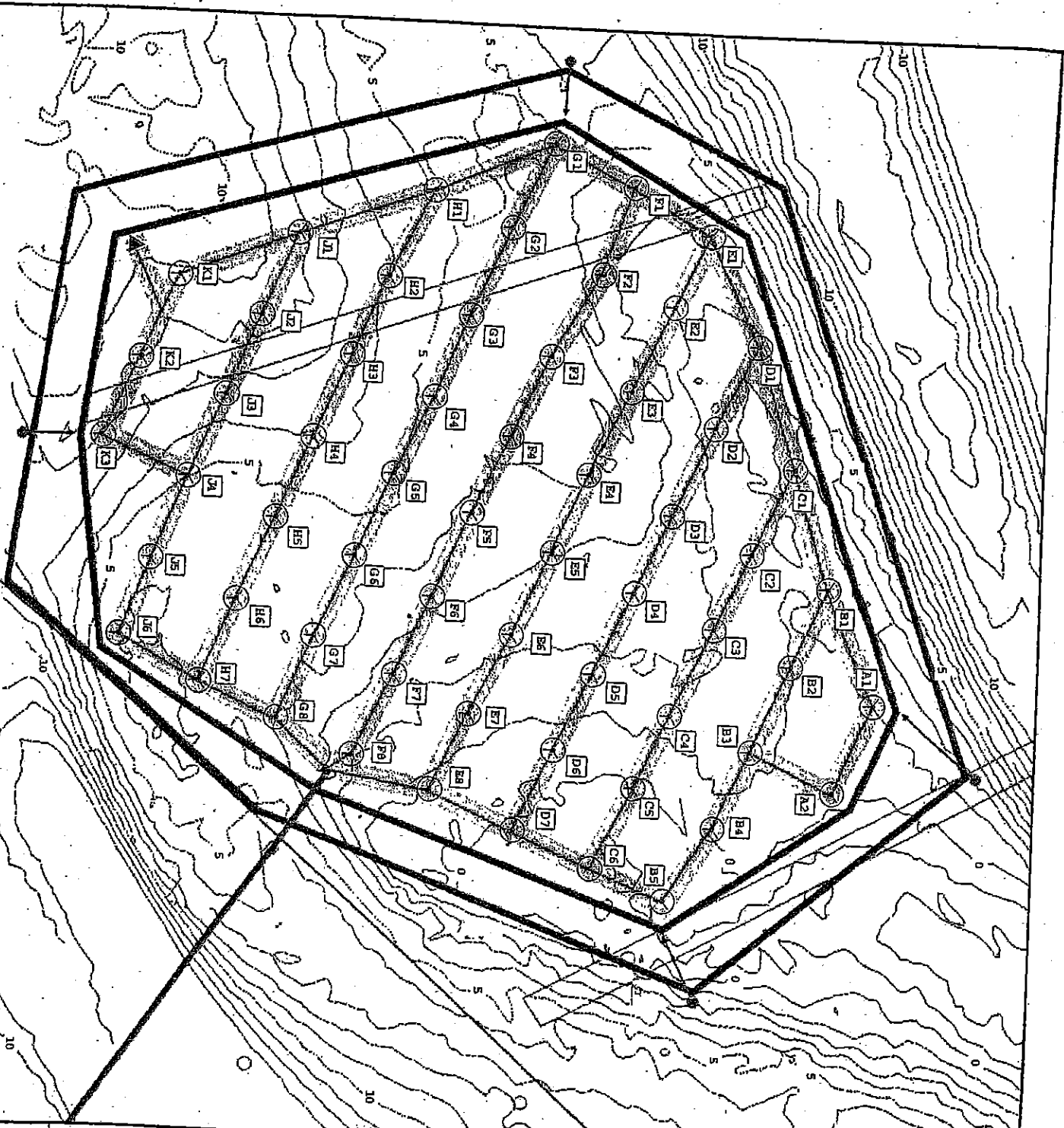
Plan of Transformer Platform



Elevation

Side Elevation

Solway Firth Wind Farm
Details of Sub Station



Project:
Proposed Offshore Wind Farm, Solway Firth

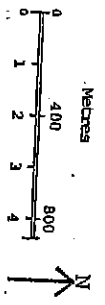
Figure 1.2: Site Layout

Key:

- Wind turbine
- 132 kV Cable Route
- 12m Cable Corridor (including voids)
- Machine Protection Zone surrounding Monopile Lanes
- Offshore Harvest Station & Masts
- 132 kV Cable Basin (2 cables)
- Orientation of individual 132 kV Cable Basin
- Seachart - England border
- Depth of seabed below Chart Datum
Chart datum datum: 4.4m below sea level (MSL) datum
- Site of Underwater Heek or other naturally homogeneous Rest
- Boundary for demolition of Vessels during Construction
- Operational Excluded Area
- Proposed location of New Range during Construction Phase
Notes: location operational if kept upon completion of construction

Scale: 1: 20,000

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Date: 28-05-02

Prepared by: DH

Drawing No: SFL_Layout000.clf

Checked by: US

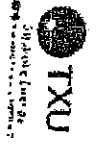
Drawing by:

The Natural Power Consultants Ltd
 The Green House
 Forest House, Bally
 Castle Douglas, BT27 3XS, UK
 Tel: +44 (0) 1644 430008
 Fax: +44 (0) 1644 430009
 Email: post@naturalpower.com

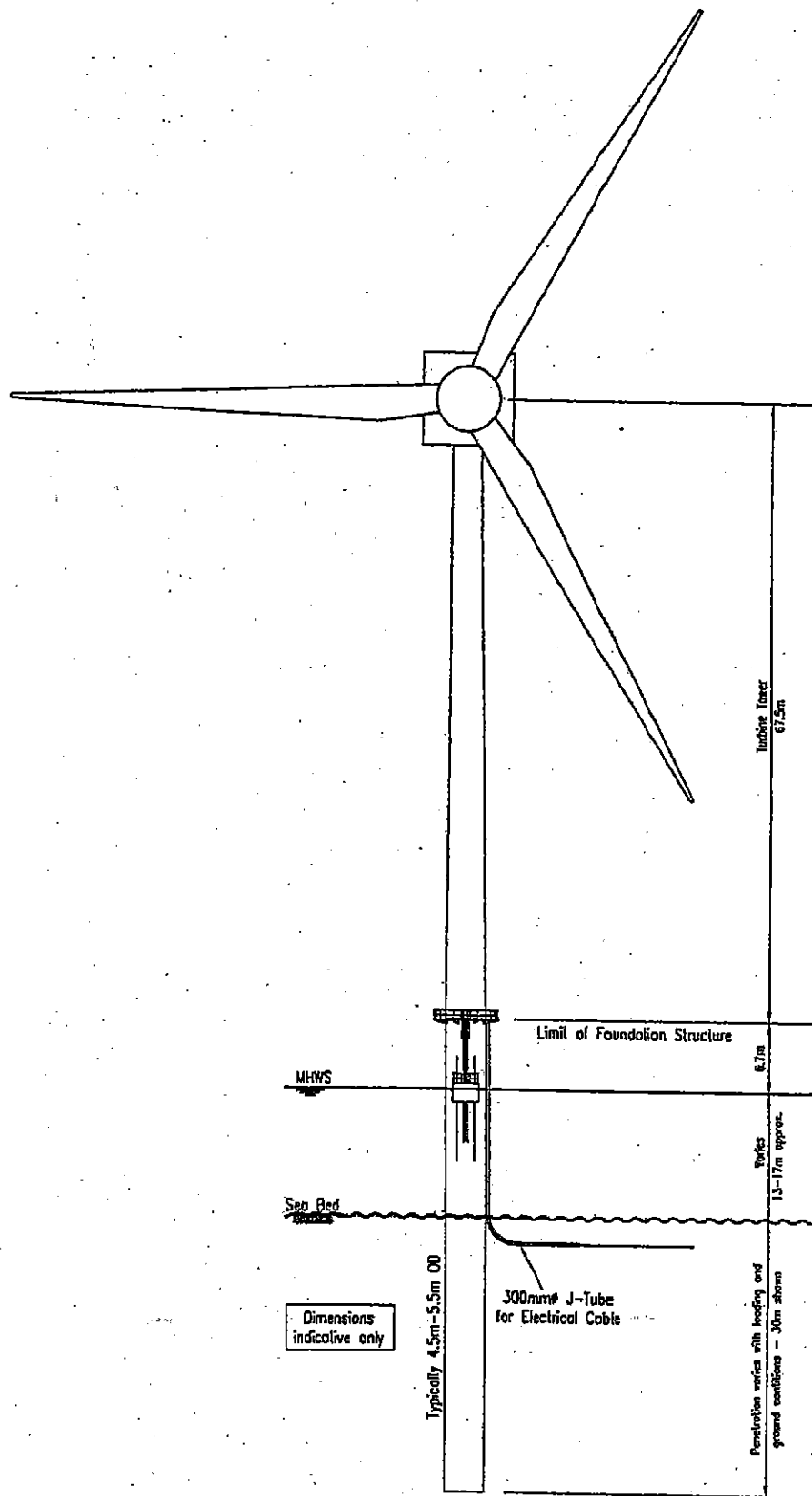


Client:

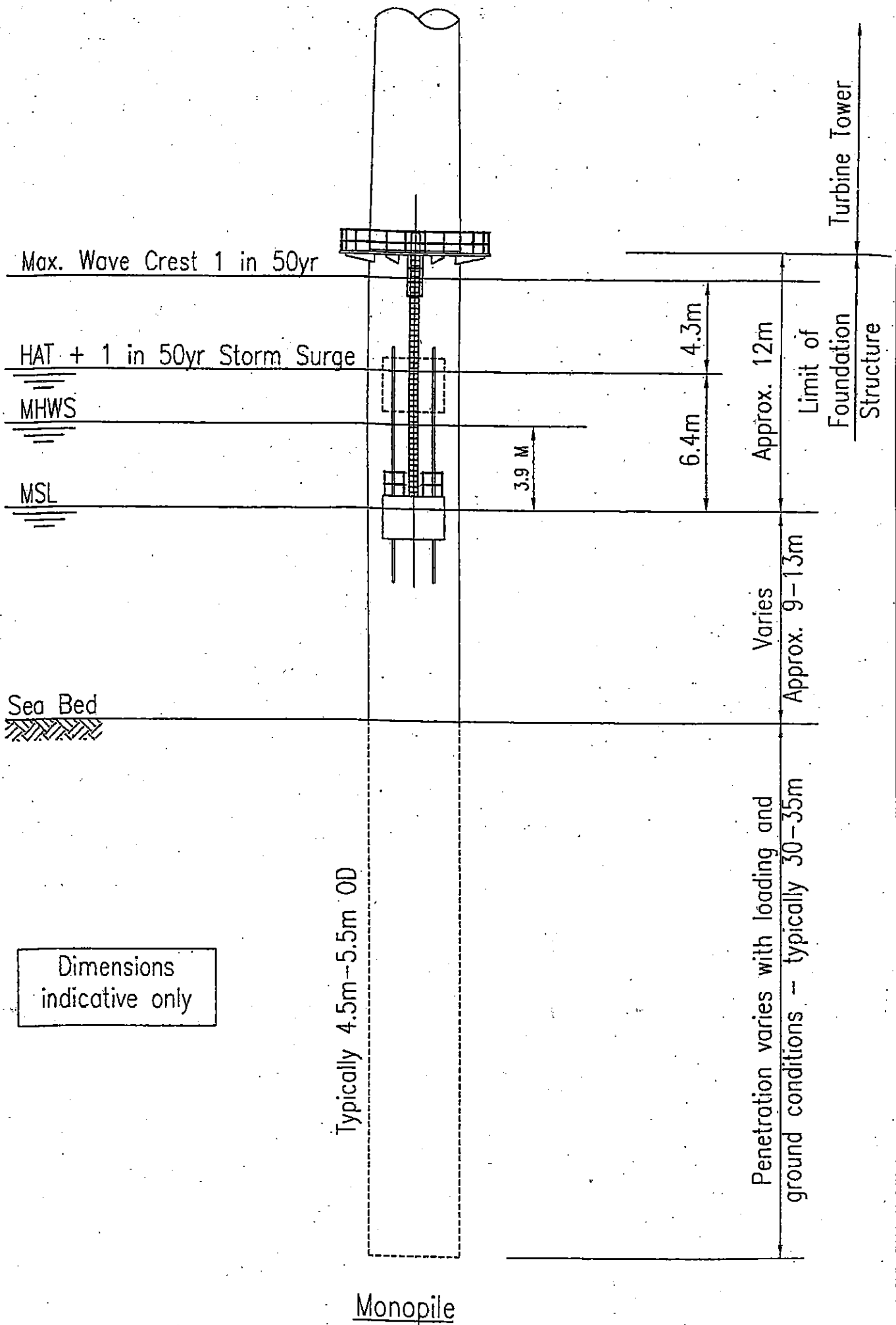
Solway Offshore Ltd
 a 100% owned company
 and
 Offshore Energy Resources Ltd.



30, Park Lane, London W1K 1RA, UK



Solway Firth Wind Farm
Turbine Tower with Mono Pile Foundation



Dimensions
indicative only

Typically 4.5m--5.5m OD

Penetration varies with loading and
ground conditions - typically 30-35m

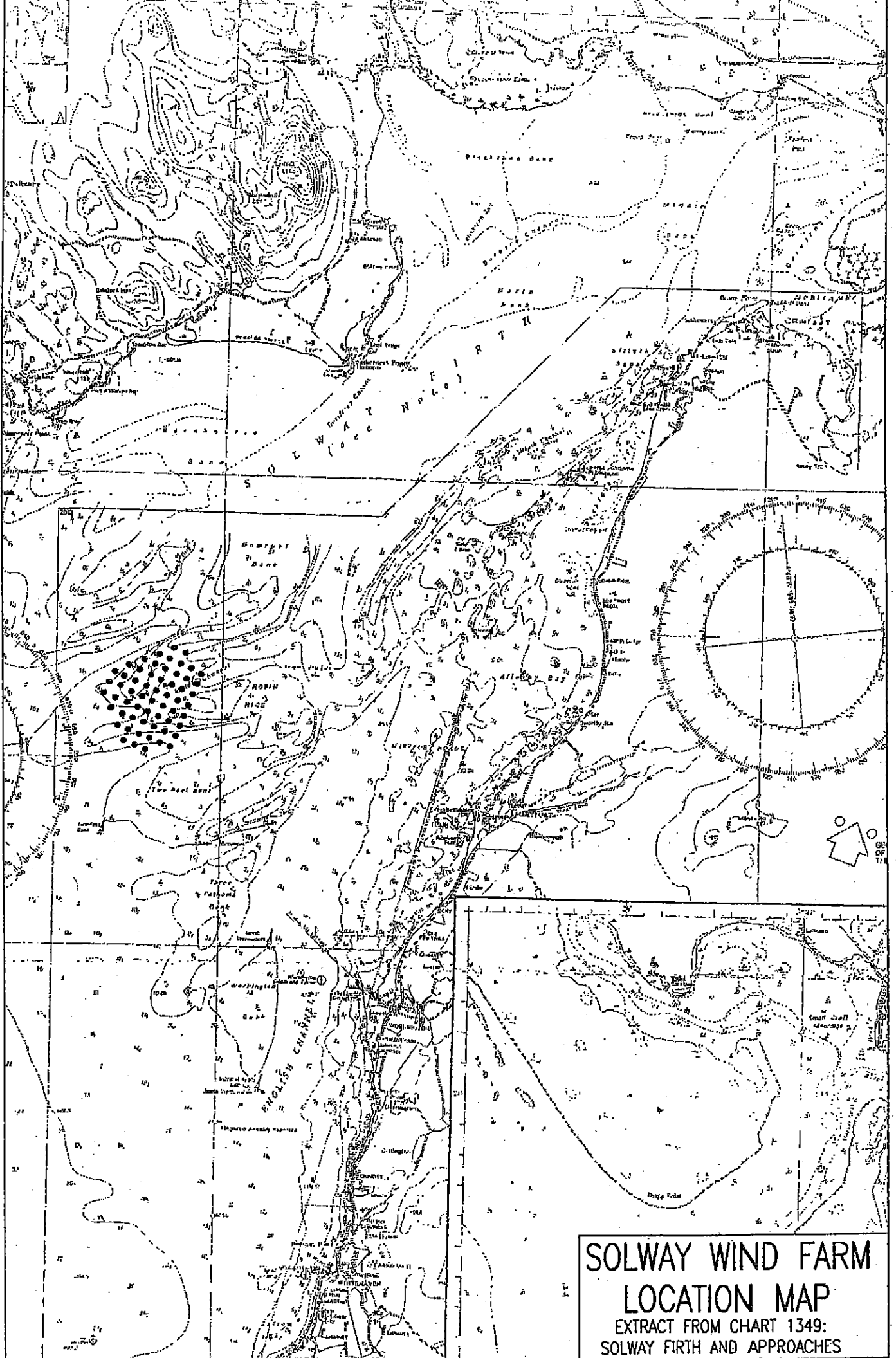
Varies
Approx. 9-13m

Approx. 12m

Limit of
Foundation
Structure

Turbine Tower

Monopile



SOLWAY WIND FARM
LOCATION MAP
EXTRACT FROM CHART 1349:
SOLWAY FIRTH AND APPROACHES