

MULTI FILE STRUCTURE

APPLICATION FOR A LICENCE FOR
***MARINE CONSTRUCTION WORKS / ~~LAND RECLAMATION~~ / ~~BEACH REPLENISHMENT~~**
**Delete as appropriate*

FOOD AND ENVIRONMENT PROTECTION ACT 1985, PART II DEPOSITS IN THE SEA
(AS AMENDED)

Notes: Please read these carefully before you complete the form.

1. Licences are issued under the Food and Environment Protection Act 1985, Part II Deposits in the Sea. These notes should be read in conjunction with the Act and the Deposits in the Sea (Exemption Order 1985) (SI 1985 No 1699).
2. Four copies of this form should be submitted to the above address at least two months before the licence is required. All applications must be accompanied by four copies of the site plans and sectional drawings with items to be deposited below Mean High Water Springs (MHWS) clearly indicated.

 If a shorter period for consideration of the application is unavoidable please give a full explanation. A two month period takes account of the volume of applications received and is designed to ensure that, except when significant problems arise, licences are issued by the date required by the applicant.
3. All the boxes should be completed. If any information is not available at the time of application please indicate at the appropriate section, giving reasons in a covering letter, and submit the details separately as soon as possible. Any delay in forwarding details may result in the licensing decision being delayed.
4. Licences cannot be backdated. Licences are normally issued for a period of 12 months or the expected duration of a phase of the work.
5. The licence covers the temporary deposit of material (generated from construction work) to be used as backfill/beach replenishment, as appropriate.
6. Separate applications must be completed for each phase of construction work as appropriate. It is the responsibility of the applicant to obtain any consents or authorisations which may be required under any other legislation.
7. The licence application should be accompanied by the appropriate fee. The application will not be processed until the payment is received. Any delay in forwarding payment may result in the licensing decision being delayed. Cheques should be crossed NOT TRANSFERABLE and made payable to THE SCOTTISH EXECUTIVE.

	Name and address	Details of contact
1. (a) Details of applicant	Offshore Energy Resources Ltd./Solway Offshore Ltd., 1 Fleet Place, LONDON EC4M 7MR	Name [REDACTED] Status PROJECT MANAGER Tel no [REDACTED] Fax no [REDACTED]
(b) Details of agent (if any)	_____ _____ _____ _____	Name _____ Status _____ Tel no _____ Fax no _____
2. Period of validity (commencement/expiry) date: Start <u>ON ISSUE OF LICENCE</u> Finish <u>3 YEARS AFTER ISSUE OF LICENCE</u>		

3. Location and geographical coordinates of proposed works

PLEASE SEE LOCATION MAP - ANNEX A - AND LIST OF LONGITUDINAL AND LATITUDINAL COORDINATES - ANNEX B (BOTH ATTACHED)

Please tick appropriate box

YES NO

4. Have studies been made of the effect of the proposed work on the marine environment

If YES, are these studies available to the Marine Laboratory?

5. (a) Description of materials to be deposited below MHWS (please tick appropriate box)

Timber Steel Concrete Sand Gravel Iron Stone/Rock Other

If OTHER, please describe:

1. CLAY AND SAND AUGERED DURING STEEL PILE INSTALLATION
2. MULTI-PILE FOUNDATIONS FOR 60 WIND TURBINES
3. OFFSHORE SUB STATION

YES NO

(b) Does the work involve beach replenishment or land reclamation?

If YES, please provide the following information:

- the source of the material
- the nature of the material
- the particle sizes

6. Method of construction and volumes (m³) of all materials to be used (steelwork in tonnes)

WIND TURBINE FOUNDATIONS COMPRISING TRIPOD STRUCTURES (21,000 TONNES TOTAL WEIGHT FOR 60 TURBINES) ON STEEL PILES (5,400 TONNES IN TOTAL). PLEASE SEE ANNEX D PLANS FOR FURTHER DETAILS OF PROPOSED FOUNDATIONS. PROPOSED OFFSHORE SUB-STATION (SEE ANNEX E DRAWING FOR FURTHER DETAILS OF THIS STRUCTURE).

Please tick appropriate box

YES NO

7. Will a site be required for temporary deposit in the sea?

If YES, please give the location:

[Empty box for location details]

DECLARATION

I declare to the best of my knowledge and belief that the information given in this form and related papers is true.

WARNING: It is an offence to knowingly make a false statement for the purpose of obtaining a licence.

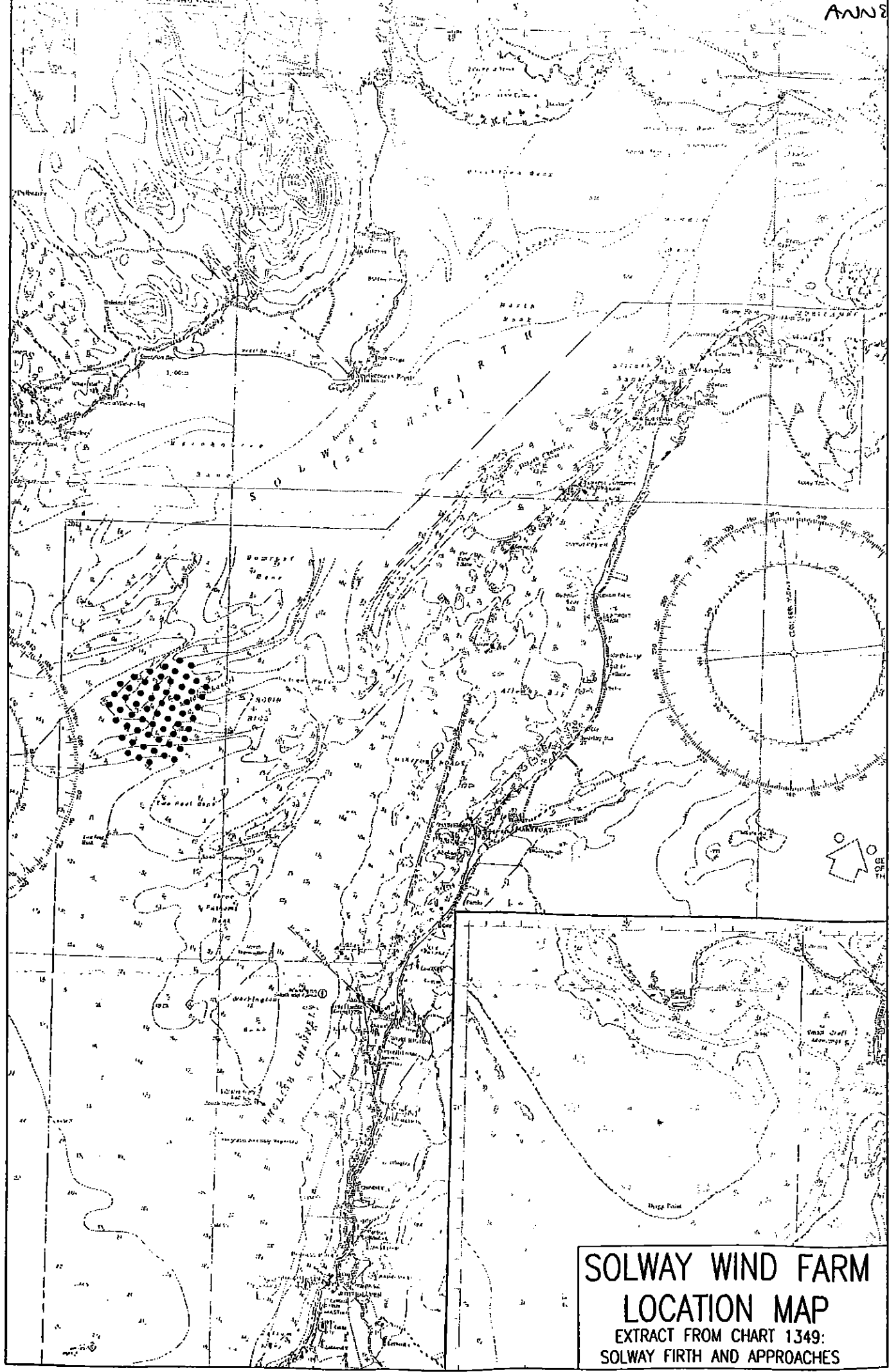
Signature _____ Date 12 July 2002

Name in BLOCK LETTERS _____

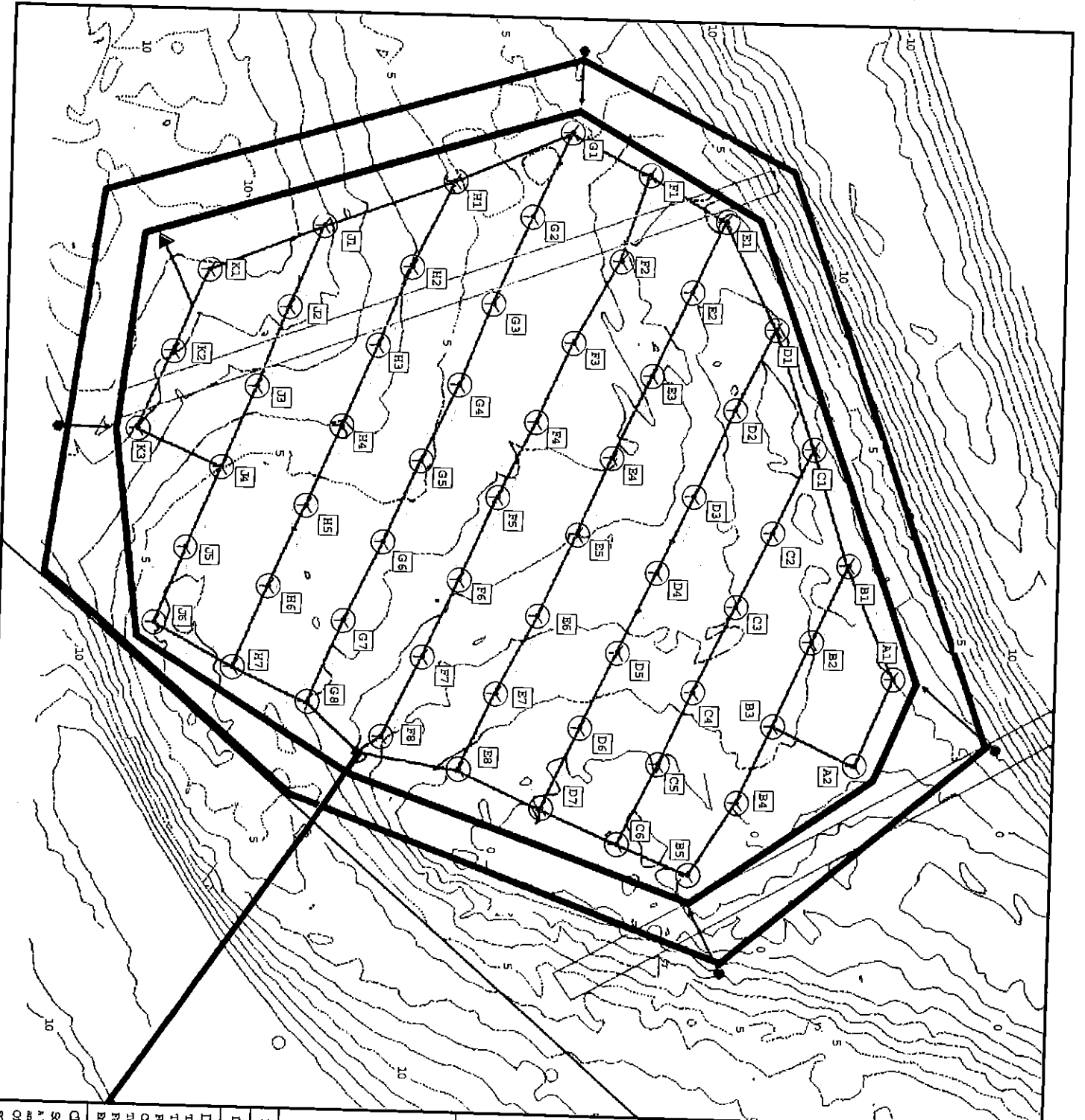
Status in Company SOLICITORS ACTING FOR JOINT APPLICANTS

Please check carefully the information you have given and that all enclosures have been included

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



Project:
Proposed Offshore Wind
Farm, Solway Firth

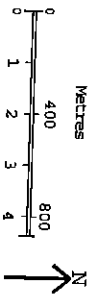
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Figure 1.2: Site Layout

Key:

- Wind turbine
- 120 MW Cable Route
- 125m Cable Corridor (including variances)
- Offshore Horizontal Separation & Haliged
- 120 MW Cable Route (2 cables)
- Operative of Inshore 120 MW Cable Route Corridor
- Scotland - Ryland border
- Depth of seabed below Chart Datum
Chart datum system: +4.5m above Mean High Water Spring
- Site of Underwater Wreck or Other Anomaly
- Anemometry Mast
- Boundary for Exclusion of Vessels during Construction
- Operational Period (Peak) Exclusion Zone
- Proposed location of New Arrays during Construction Phase
Notes indicate repositioning of arrays upon completion of construction

Scale: 1: 20,000

Based upon the Ordnance Survey Digitally Derived Data with the permission of the Controller of Her Majesty's Stationery Office, © Crown Copyright. Licence No: NI 10002693.



Contourlines

Date: 28-05-02

Prepared by: IH

Drawing No: SOL_Layou0000.cif

Checked by: JS

Drawing by:

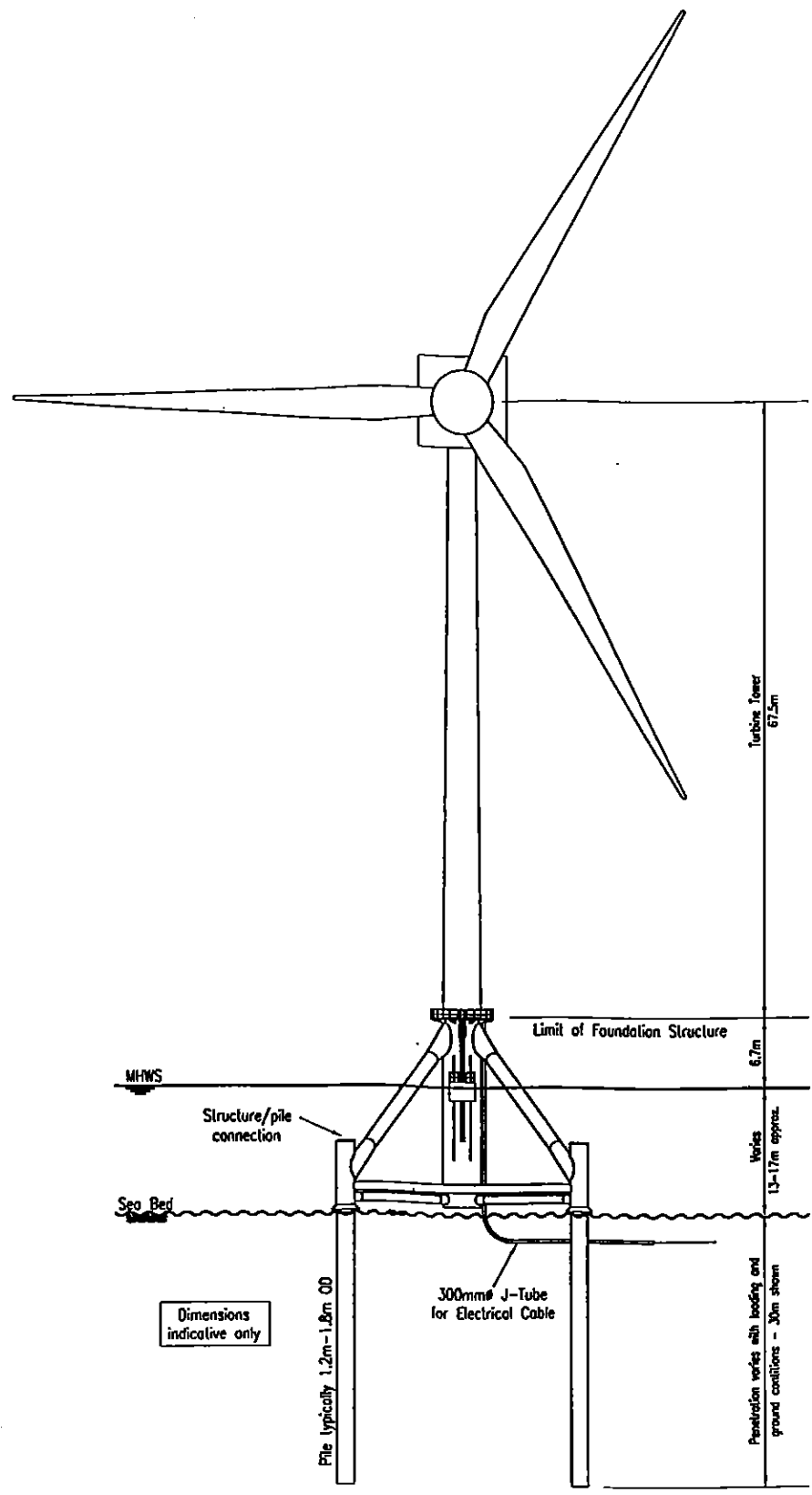
The Natural Power Consultants Ltd
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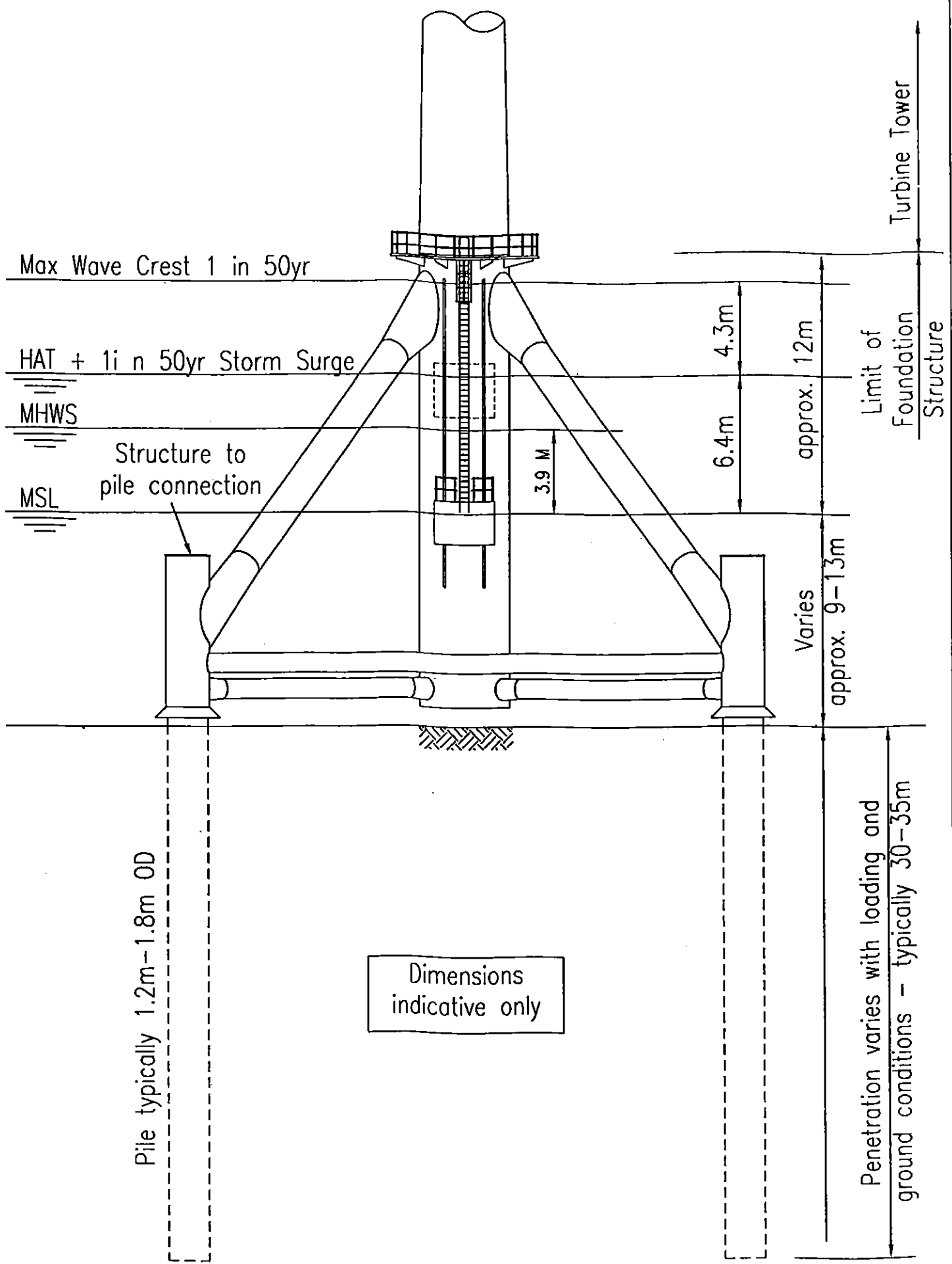
Client:

Solway Offshore Ltd
A 720 Group Company
Offshore Energy Resources Ltd.





Solway Firth Wind Farm
Turbine Tower with Multi Pile Foundation



Multi-Pile Foundation

Dimensions indicative only

Pile typically 1.2m-1.8m OD

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

Varies

approx. 9-13m

approx. 12m

Limit of Foundation Structure

Turbine Tower

Max Wave Crest 1 in 50yr

HAT + 1 in 50yr Storm Surge

MHWS

MSL

Structure to pile connection

3.9 m

4.3m

6.4m

Varies

approx. 9-13m

approx. 12m

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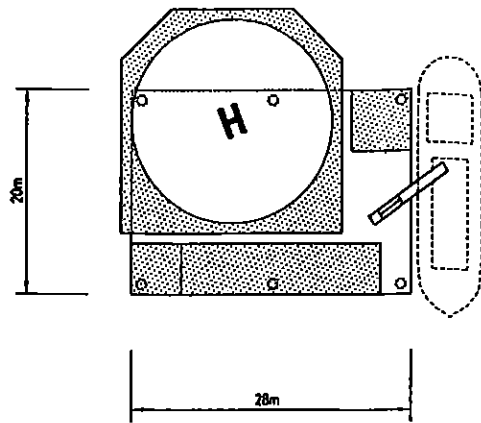
Varies

approx. 9-13m

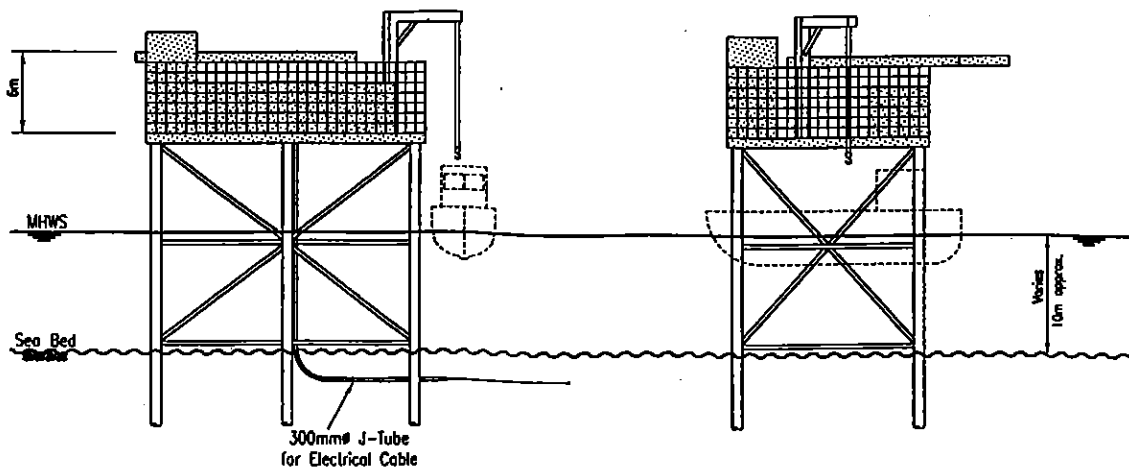
approx. 12m

Limit of Foundation Structure

Turbine Tower



Plan of Transformer Platform



Elevation

Side Elevation

Solway Firth Wind Farm
Details of Sub Station