Contact in case of enquiries (if different from above)			
Contact Name	Owen o Driscoll		
Organisation Name (if applicable)	Owen O'Driscoll & Associates		
Address	17 Bridge St., Skibbereen, Co. Cork 028/23283 owen@owenodriscoll.com		

AQUACULTURE AND FORESHORE LICENCE APPLICATION FORM, for purposes of FISHERIES (AMENDMENT) ACT, 1997 and FORESHORE ACT, 1933

NB: The accompanying Guidance Notes should be before completing this form. Note: Details provided in Parts 1 and 2 will be available for public inspection. Details provided in 3 and 4 and any other information supplied will released except as may be required by law, including Freedom of Information Act 1997 as amended. USE BLOCK CAPITALS IN BLACK INK PLE	Application Ref. No. To5/432B Application Ref. No. To5/432B Date of Receipt (Dept. Stamp): EASE	ment Dix
	8 1 4 MAR 2019	,N
Type of Applicant (tick one)	180	3
Sole Trader	Or agricunt ware, wood	the
Partnership		
Company	X	
Co-Operative		
Other Please specify-		

PART 1: PRELIMINARY DETAILS

Applicant's Name(s)	
1. Crookhaven Fisherman's	
Association Ltd	
Address: c/o Jimmy, Newman,	
Crookhaven, Co. Cork	
50 to 10 to	
1	

PART 1: PRELIMINARY DETAILS

	FAPPLICATION – please indicate ication Form is valid for each type of		
(i) Aquac	ulture Licence		
(ii) Trial I	Licence		
(iii) Fores	hore Licence, if Marine Based		X
(iv) Revie	w of Aquaculture Licence		X
(v) Renew	val of Aquaculture Licence		X
			-
TYPE OF	F AQUACULTURE	See Guidance l	Note 3.2
Indicate	the relevant type of application wit	h a tick.	
(i)	MARINE-BASED		
	Finfish		Go to Parts 2.1 and 2.1A
	Shellfish Subtidal	X	Go to Parts 2.2 and 2.2A
	Intertidal		Go to Parts 2.2 and 2.2A
	Seaweed/Aquatic Plants/Aquatic Fish Food	X	Go to Parts 2.3 and 2.3A
(ii)	LAND-BASED		
	Finfish Shellfish	Go to Pa	rts 2.4 and 2.4A
	Aquatic Plants Aqua	tic Fish Food	Go to Parts 2.4 and 2.4A
(iii)	TRIAL LICENCE		Go to appropriate Parts as above and to Part 2.5.
PA	RT 2: DETAILS RELATING T	O THE PROP	OSED AQUACULTURE
	PR	OJECT	

2

2.2 MARINE-BASED SHELLFISH AQUACULTURE

When filling out this section refer also to 2.2A and Guidance Note 3.3 for information on Conditions and Documents required with this application type

Proposed S	Site Location								
(i)	Bay: Crookl	haven E	Bay						
(ii)	County: Cor	County: Cork							
(iii)	OS Map No	: 88							
(iv)	Co-ordinate (IG) or Irish whether ET 080510, 025 080890, 025 081240, 026 081300, 025 080540, 025	Trans RS89 o 820 940 060 920	verse Mer r WG84 e	cator (ITI) etc.]	oordinate (M) or Latit	ude/Longi	tude [in v	vhich case	specify
			-				* (* 17):	_	
(v)	Size of Site	(hectar	res): 7.25h	na					
Notes 3.3. Scallop; (I	es (common and 1) Pectin maximum her production	<u>ıs)</u>					native spe	ecies: (see	Guidance
collection	se supply deta and introducti negal or throu	ion to c	ulture. De	ependent d	on success	of new ha			
Health Author	on of seed into the Sisation Regulations	s – See Gi	iidance Notes	Section 6					
(x) Propos	sed number of	`lines/ro	opes/trest	les as per	site layout	drawing			
(xi) Propo	osed Productio	on Tonr	nage:						
Year 1		ear 2		Year 3		Year 4		Year 5	70 kilos

(xii) (a) Please outline the reasons for site selection:
Good tidal flows but relatively sheltered, existing licensed site and can achieve synergies with seaweed production
(b) If using trestles please outline the physical characteristics of the site which make it suitable for using trestles N/A
(xiii) Is it intended that the product is for direct human consumption or half grown? Please specify Human consumption
(xiv) How will the visual impact issues of the flotation devices for the proposed application be addressed? N/A
N/A (xv) Is the site located in Designated Shellfish Waters Area? (Refer to Guidance Note 3.3.2) Yes No X If yes give details.
If no outline the reasons why you believe the site suitable for the proposed aquaculture, notwithstanding its location outside Designated Shellfish Waters Area?
Site was already licensed as suitable for production of same and the site is suitable for the reasons outlined in xii
(xvi) Has the area been classified under Food Safety Legislation? (For Bivalve Molluscs) What is the current classification of the area for the proposed species applied for?
No but previously licensed area for shellfish production
(xvii) Is the site located in/adjacent to a sensitive area e.g. SPA (Special Protection Area) or SAC (Special Area of Conservation) i.e. a Natura 2000 site? (Refer to Guidance Note 3.3.1- Natura 2000 sites) No, the bay/site is not in a SPA, SAC or Natura 2000 site. However the site is adjacent to a SAC (Barley Cove to Ballyrisode SAC 1040) and a SPA (Sheeps head to Toe Head SPA 4156)

xviii) Are there known sources of pollution in the vicinity e.g. sewage outfall? If yes please give full details. No	Yes / No
xix) Methods used to harvest the shellfish and details of any subsequent processing chellfish	of
Dive Harvesting	
(xx) Describe any proposed purification facilities to be used: Run through depuration plant	
xxi) What are the main predators of the species to be cultivated?	
Star fish and Crabs	
xxii) Describe the method(s) which will be used to control them Hand dived for star- ecords retained for predator control	fish and

2.3 MARINE-BASED SEAWEED/AQUATIC PLANTS/AQUATIC FISH FOOD AQUACULTURE

When filling out this section refer also to 2.3A and Guidance Note 3.3 for information on Conditions and Documents required with this application type

Proposed Site Location

(i) Bay: Crookhaven Bay

(ii) County: Cork

(iii) OS Map No: <u>88</u>

(iv) Co-ordinates of Site: (please specify coordinate reference system used e.g. Irish Grid (IG) or Irish Transverse Mercator (ITM) or Latitude/Longitude [in which case specify whether ETRS89 or WG84 etc.]

080510, 025820 080890, 025940 081240, 026060

081300, 025920

080540, 025710

(v) Size (hectares): 7.25ha

- (vi) Species (common and scientific name): Green, Brown and Red Seaweeds : Alaria esculenta (dabberlocks, winged Kelp, Atlantic Wakame); Laminaria digitate (oarweed); Saccharina latissimi (sugar/sweet kelp); Ulva lactuca (sea lettuce); Asparagopsis armata (harpoon weed); Porphyra (Nori)
- (vii) What is the source of plantlet: BMRS hatchery
- (viii) Cultivation Method: 16 Longlines
- (ix) Proposed total number of lines/ropes: 12 lines of 135m_in length and 4 lines of 155m in length

(x) Proposed Production:

Year 1	18.6T	Year 2	24.6T	Year 3	24.6T	Year 4	24.6T	Year 5	24.6T

- (xi) Reasons for site selection: Crookhaven bay has ideal conditions for growing indigenous species of seaweed.
- (xii) Provide detailed information on the techniques for cultivation in use or to be used. Are these techniques currently in use in the industry or are they new? Please give details;

Longline deployment techniques are currently in use in the industry. Seeded seaweed string will be prepared onshore at the BMRS hatchery. On arrival at the longline, the boat is tied to the header rope at one end in such a way that the boat can be quickly detached when needed. The header rope is detached from the anchor rope, making sure that the anchor rope has a buoy attached to the end or that it can be secured temporarily to the boat to avoid loss. Damp clothes are carefully removed from the collectors, and the header rope is then passed through the middle of the collector. The end of the culture string is untied from the end of the collector closest to the detached end of the header rope and secured through the lay of the header rope. The collector is held at either end, to avoid touching the small, delicate plants on the culture string. The anchor rope is then re-attached to the header rope, ensuring a stronger connection. The boat is then untied from the line and is pulled down the length of the header rope over hand. The collector should also be pulled down the length

of the header rope, the culture string spiralling around the larger diameter header rope. The string must not be coiled too loosely around the rope to ensure the plants anchor to the line. Upon reaching the other end of the longline, or the end of the culture string supply (whichever comes first), the end of the culture string is tied through the lay of the rope once again, as at the start. Before leaving the site, it is ensured that the header rope is submerged to a minimum of 0.5m below the surface. The buoys are then attached to the header rope, spacing them evenly down the length of the line.

(xiii) Methods used for harvesting.

A boat operated crane will be utilised to remove the longlines from the bay.

(xiv) Has the site sufficient space for the site structures including mooring blocks?

Yes, Detailed drawing attached.

Please provide separately detailed drawings of both over and under water structures including moorings. (See Guidance Note on Site Structures 3.3.2)

(xv) How will the visual impact issues of the flotation devices for the proposed application be addressed?

The buoys within the site design are grey LD2 buoys. These are specifically designed to be almost invisible from the shore. (See note in relation to mitigation guidance)

(xvi) Is the site located in a sensitive area e.g. SPA (Special Protection Area) or SAC (Special Area of Conservation) i.e. a Natura 2000 site? (Refer to Guidance Note 3.3.1- Natura 2000 sites)

If Yes give details

No, the bay/site is not in a SPA, SAC, or Natura 2000 site. However, the site is adjacent to a SAC (Barley Cove to Ballyrisode SAC 1040) and a SPA (Sheep's Head to Toe Head SPA 4156)

See Part 2.3A for details of documentation to be included with this application type

2.6 Employment, Qualifications, Experience, etc TO BE FILLED IN BY ALL AQUACULTURE APPLICANTS

(i) Please provide details of experience/qualifications of the applicant and any key personnel which are relevant to the aquaculture now proposed:

Jimmy Newman has over 20 years of experience of aquaculture farming and has been a fisherman all of his life.

He was also involved in the FP7-funded project, CRABS, which investigated settlement of invertebrates in Crookhaven.

The Bantry Marine Research Station (BMRS) has been in operation since 1991 as part of the Aquaculture and Fisheries

Development Centre (AFDC), University College Cork. However in 2005 it was established as an independent research centre. Research work at the station has grown steadily and has included commercial trials and participation in EU research projects.

It currently has a land based licence (Aquaculture licence no.422) and seaweed aquaculture licence (Aquaculture Licence no. T05/547A).

- (ii) If a new application please provide details of projected employment creation during first four years of the proposed aquaculture project:
- (iii) In the case of a renewal please provide current and future details:

It is predicted that in year 1, approximately 12 lines will be deployed, in year 2 c. 16 lines, year 3:16 lines and 7 scallop cages were deployed thereby utilising the whole site. Year 4 c. 16 lines and 7 scallop cages year 5 c. 16 lines and 7 scallop cages. The world market for sea weed products is increasing dramatically.

Seaweed processing and sales activities will increase over the first 3-4 years

We envisage that for year 1-4 of this project there will be average of 0.75 full time equivalent jobs and 1 part time equivalent jobs.

Seaweed string is deployed on the longlines in December, with harvesting taking place in May/June.

The site remains fallow for the rest of the year from a seaweed growing perspective but scallops will continue to be reared all year round with intermittent inspections and monitoring by staff.

Applicant is working closely with Bantry Marine Research centre.

Year 1:	0	Year 2:	1	Year 3:	I	Year 4:	1	
PART TIM	IE JOBS_	-						
Year 1:	1	Year 2:	1	Year 3:	1	Year 4:	1	

PART 5: DECLARATION AND SIGNING

NB: Refer to Guidance Note Section 3.5 and Section 4 - Guidance on Declaration and Signing and Annual Aquaculture and Foreshore Licence Fees

If this is a renewal/review have you met applicable, explain why you have not con	all licence conditions of the existing aquaculture licence? If mplied with all conditions:
Yes	
I/We hereby declare the information prov to the best of my/our knowledge and that £ See Note with this application.	vided in Parts 1, 2, 3 and 4 above to be true I am over 18 years of age. I/We enclose an application fee* of
Signature(s) of Applicant(s): (Please state capacity of persons signing on behalf of a Company/Co-op)	Ben, St. J. Jeli Remetas.
	Grook haven 715herna;
	unsaal Lines
Date:	25/1/19
NB All persons named on this licence a Only the existing licence holder(s)	pplication must sign and date this application form. can apply for the renewal/review of an Aquaculture Licence.
*Preferred method of payment is by cheque of Agriculture, Food and the Marine.	ue or bank draft. The fee should be made payable to the Department

Refer to Guidance Note Section 4 - Guidance on Aquaculture and Foreshore Licence Fees

The application form should be forwarded, with the required documents and application fee, to:

Aquaculture Licensing
Aquaculture & Foreshore Management Division
Department of Agriculture, Food and the Marine
National Seafood Centre
Clonakilty
Co. Cork
P85 TX47

1 NO. SITE AT CROOKHAVEN HARBOUR CO.CORK

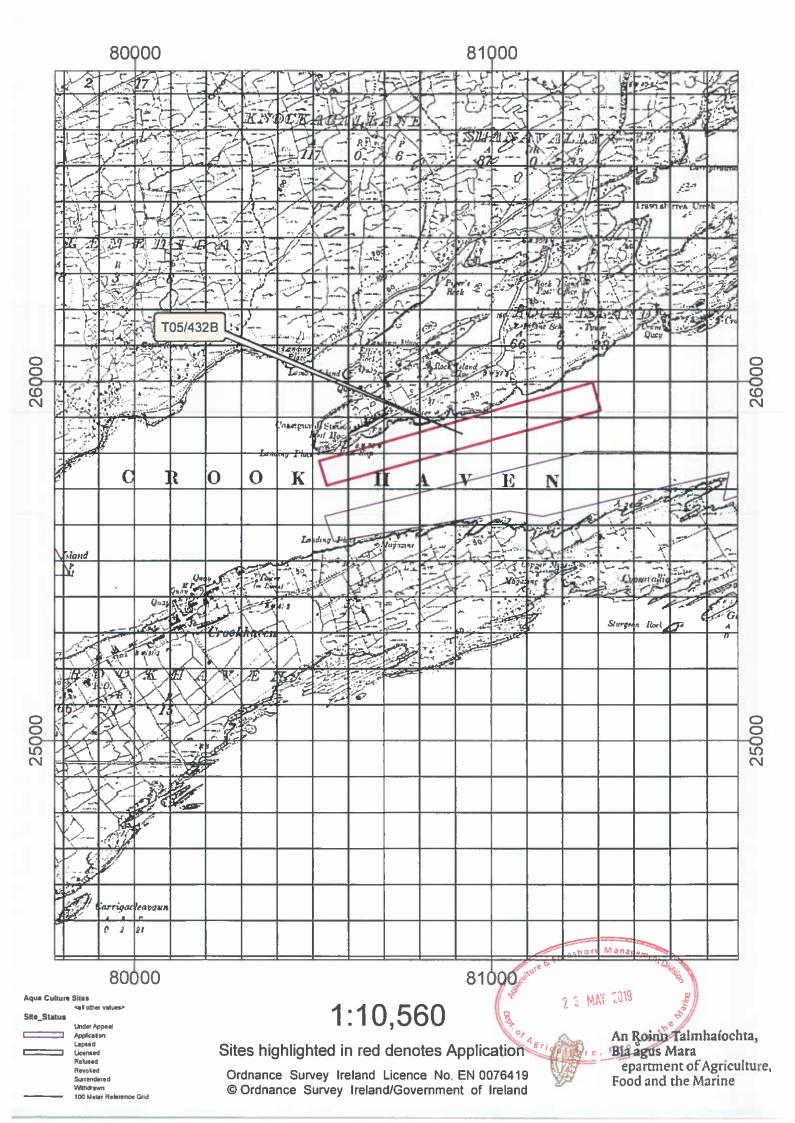
Co-ordinates & Area

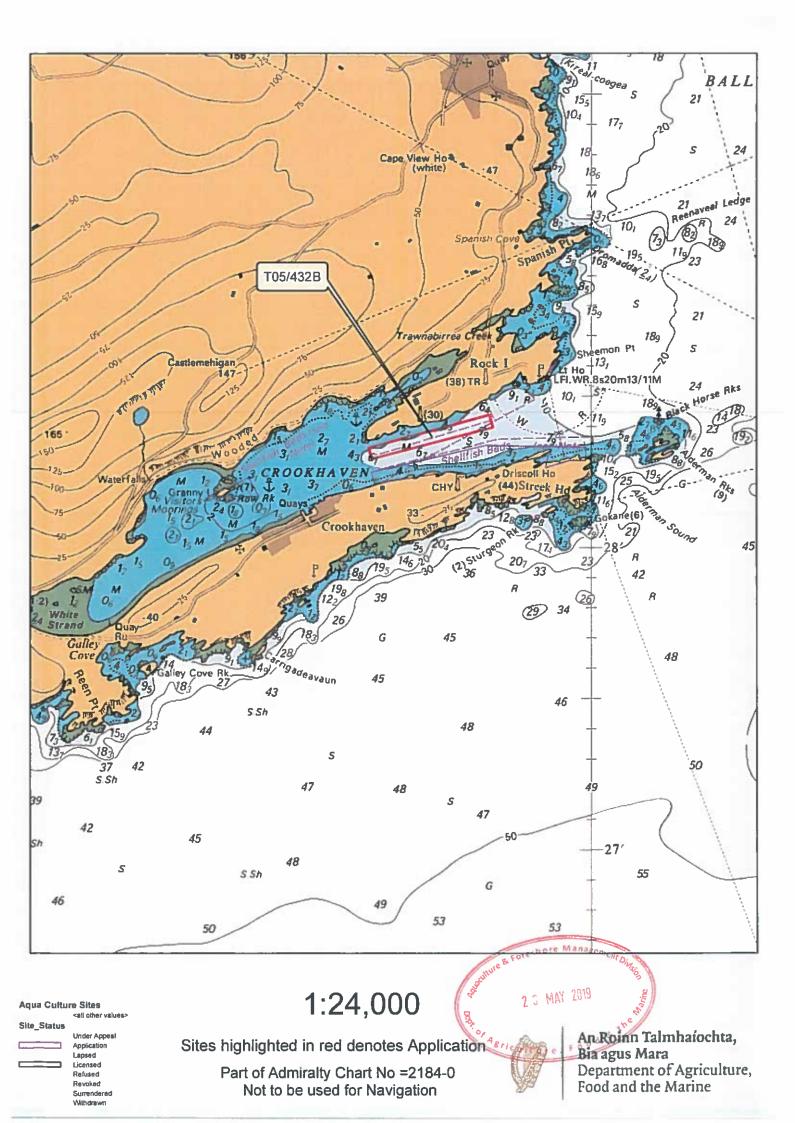
Site T05/432B (6.0647 Ha)

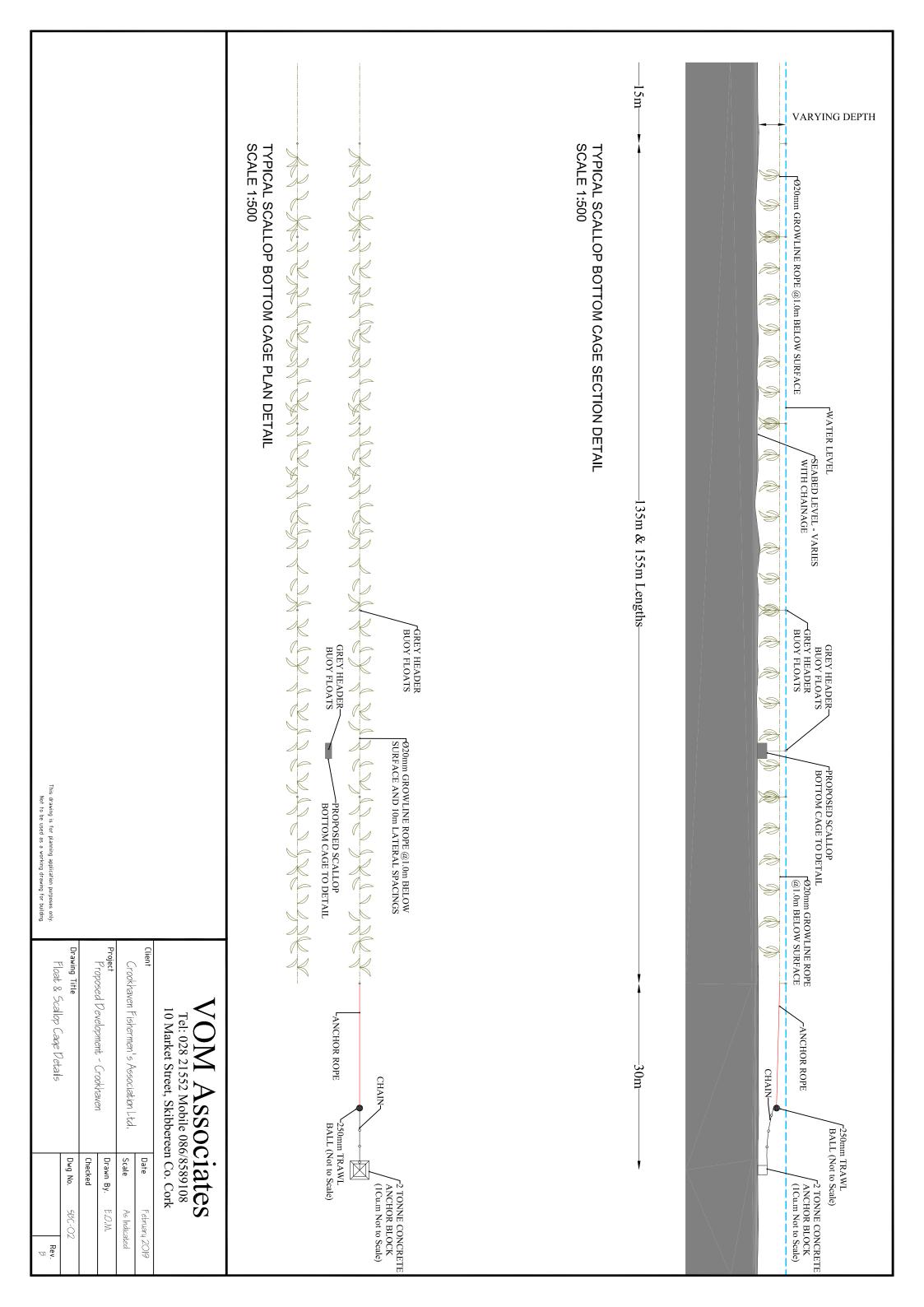
The area seaward of the high water mark and enclosed by a line drawn from Irish National Grid Reference point

080519, 025778 to Irish National Grid Reference point 081283, 025997 to Irish National Grid Reference point 081306, 025919 to Irish National Grid Reference point 080540, 025710 to the first mentioned point.

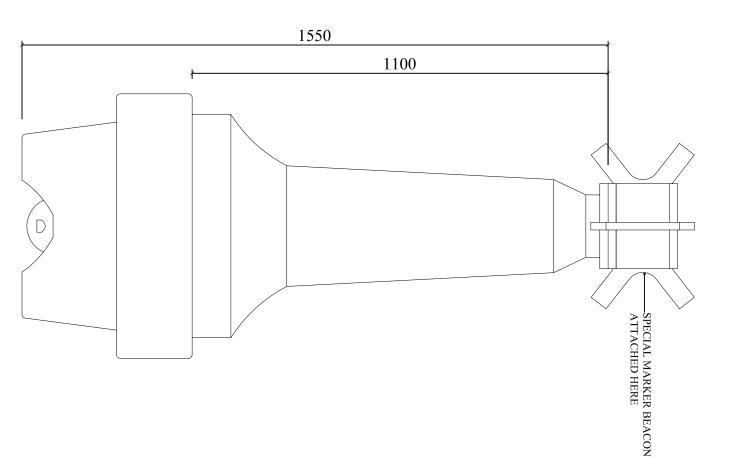


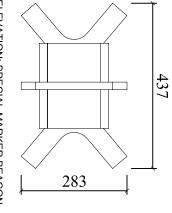




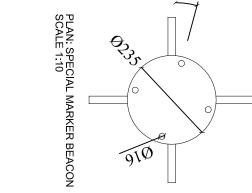


Culture item Status 26000 T05/432A O Site Highlighted in red denotes application 0 Unauthorised Reproduction is not permitted From The Ordnance Survey.
Copyright Government of Ireland 2008. Printed under License No:6155 1:10,560 でです 0 T05/432C 2 Agriculture, Fisheries and Food 9750 - The Soutone Taimholochta, Iascaigh agus Blo 1957 Ь Mra. Z F 82000 VIDE Han 8 25000 26000





ELEVATION: SPECIAL MARKER BEACON SCALE 1:10



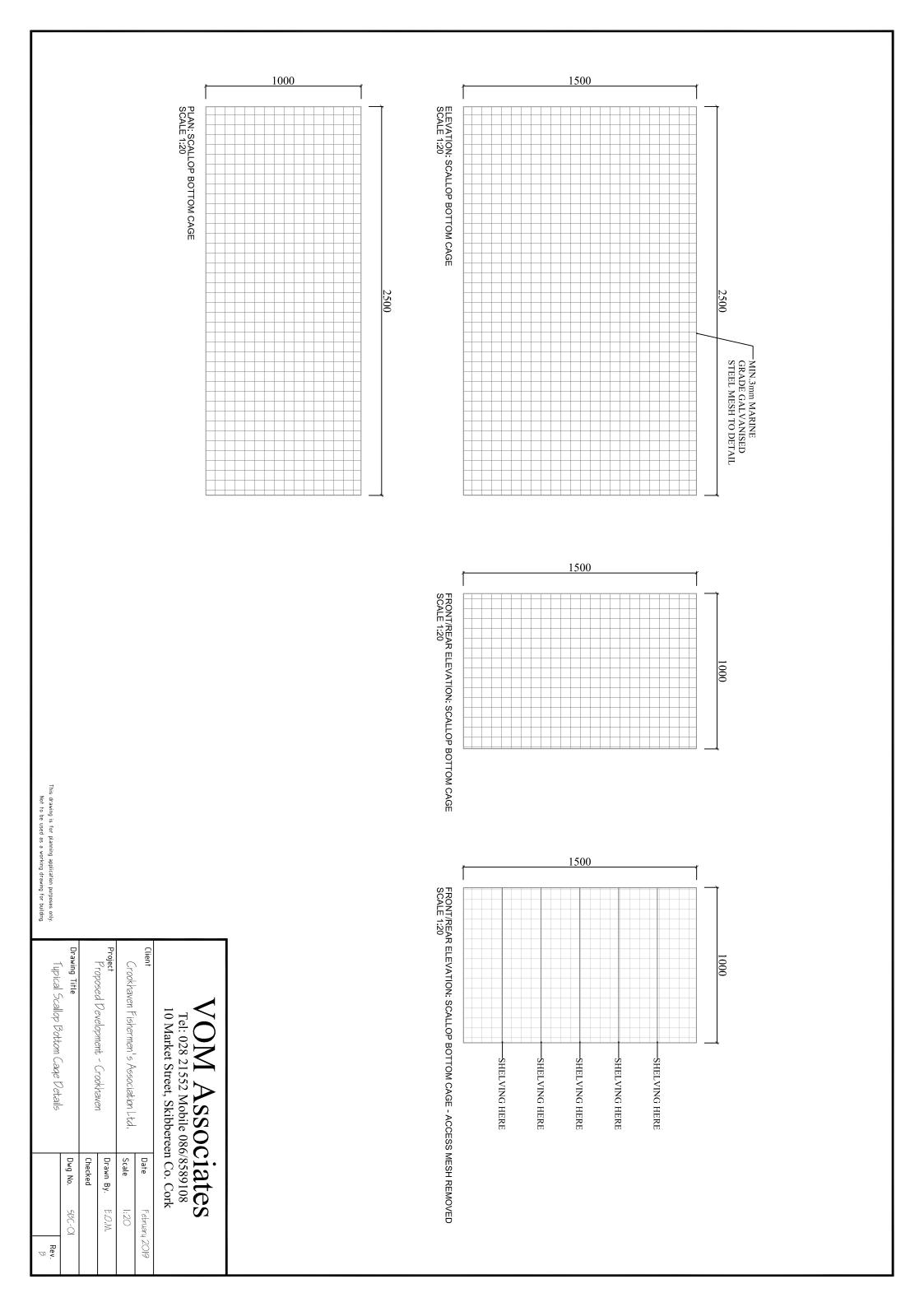
Floating Marker Buoy Specification:

- Total Height 1550mm
 Total Weight 65kg
 Diameter 600mm
 Volume 189 Litres
 Focal View 1100mm
 Mooring Ring Diameter 25mm
 Mooring Line and Block Suitable for Location

VOM ASSOCIATES Tel: 028 21552 Mobile 086/8589108 10 Market Street, Skibbereen Co. Cork

ELEVATION: FLOATING MARKER BUOY SCALE 1:10

This drawing is for planning application purposes only. Not to be used as a working drawing for building.					
Warker Duoy Vetails	Drawing Title		Project Proposed Development - (rookhaven	Crookhaven Fishermen's Association Ltd.	Client
	Dwg No. CH-OI	Checked	Drawn By. E.O.M.	Scale	Date
Rev.	CH-OI		E O M	HO	January 2019



Contact in case of enquiries (if	different from above)
Contact Name	Owen o Driscoll
Organisation Name (if	Owen O'Driscoll & Associates
applicable)	5
Address	17 Bridge St., Skibbereen, Co. Cork
	028/23283
	owen@owenodriscoll.com

AQUACULTURE AND FORESHORE LICENCE APPLICATION FORM, for purposes of FISHERIES (AMENDMENT) ACT, 1997 and FORESHORE ACT, 1933

NB: The accompanying Guidance Notes should be read For Office Use before completing this form. Application Ref. No. 165/432 C Note: Details provided in Parts 1 and 2 will be made available for public inspection. Details provided in Parts Date of Receipt (Dept. Stamp): 3 and 4 and any other information supplied will not be released except as may be required by law, including the Freedom of Information Act 1997 as amended. **USE BLOCK CAPITALS IN BLACK INK PLEASE** 1 4 MAR 2019 Of ABriculture, Food Type of Applicant (tick one) Sole Trader Partnership Company X Co-Operative Other Please specify-

PART 1: PRELIMINARY DETAILS

Applicant's Name(s)	
1. Crookhaven Fisherman's	
Association Ltd	
Address: c/o Jimmy, Newman,	
Crookhaven, Co. Cork	
910	
9-9-3 na-m	

PART 1: PRELIMINARY DETAILS

224			
	F APPLICATION – please indicate lication Form is valid for each type of		
(i) Aquad	culture Licence		
(ii) Trial I	Licence		
(iii) Fores	hore Licence, if Marine Based		X
(iv) Revie	ew of Aquaculture Licence		X
(v) Renew	val of Aquaculture Licence		X
TYPE OI	FAQUACULTURE	See Guidance	Note 3.2
Indicate	the relevant type of application wit	h a tick.	
(i)	MARINE-BASED		
	Finfish		Go to Parts 2.1 and 2.1A
	Shellfish Subtidal	X	Go to Parts 2.2 and 2.2A
	Intertidal		Go to Parts 2.2 and 2.2A
	Seaweed/Aquatic Plants/Aquatic Fish Food	X	Go to Parts 2.3 and 2.3A
(ii)	LAND-BASED	_	
	Finfish Shellfish	Go to Pa	arts 2.4 and 2.4A
	Aquatic Plants Aquat	tic Fish Food	Go to Parts 2.4 and 2.4A
(iii)	TRIAL LICENCE		Go to appropriate Parts as above and to Part 2.5.
PA	RT 2: DETAILS RELATING T	O THE PROP	OSED AQUACULTURE
	PR	OJECT	

2.2 MARINE-BASED SHELLFISH AQUACULTURE

When filling out this section refer also to 2.2A and Guidance Note 3.3 for information on Conditions and Documents required with this application type

Proposed S	ite Location
(i)	Bay: Crookhaven Bay
(ii)	County: Cork
(iii)	OS Map No: 88
(iv)	Co-ordinates of Site: (please specify coordinate reference system used e.g. Irish Grid (IG) or Irish Transverse Mercator (ITM) or Latitude/Longitude [in which case specify whether ETRS89 or WG84 etc.]
	080560, 025620 081320, 025800 081900, 025700 081850, 025650 081520, 025610 081110, 025550 081520,025660 080590, 025520
(v)	Size of Site (hectares):14.5ha
Notes 3,3,1	ctin maximus)
(vii) Wheth	er production will be sub-tidal or inter-tidal? Sub-tidal
collection a	e supply details of (a) source of seed e.g. wild hatchery and location and (b) means of and introduction to culture. Dependent on success of new hatchery facilities eg. Murloy egal or through the collection of spat locally.
	of seed into the State or movement of seed within the State requires notification to the Marine Institute as per the Fish ation Regulations – See Guidance Notes Section 6
(ix) Method	of culture (rope, trestles - intensive; bottom - extensive; other) Cages on the seabed
(x) Propose 15 cages	d number of lines/ropes/trestles as per site layout drawing
(xi) Propos	ed Production Tonnage: Year 2 Year 3 Year 4 Year 5 150 kilos

(xii) (a) Please outline the reasons for site selection:
Good tidal flows but relatively sheltered, existing licensed site and can achieve synergies with seaweed production.
(b) If using trestles please outline the physical characteristics of the site which make it suitable for using trestles N/A
(xiii) Is it intended that the product is for direct human consumption or half grown? Please specify Human Consumption
(xiv) How will the visual impact issues of the flotation devices for the proposed application be addressed? N/A
(xv) Is the site located in Designated Shellfish Waters Area? (Refer to Guidance Note 3.3.2) Yes No X If yes give details.
If no outline the reasons why you believe the site suitable for the proposed aquaculture, notwithstanding its location outside Designated Shellfish Waters Area?
Site was already licensed as suitable for production of same and the site is suitable for the reasons outlined in xii
(xvi) Has the area been classified under Food Safety Legislation? (For Bivalve Molluscs) What is the current classification of the area for the proposed species applied for?
No but previously licensed area for shellfish production
(xvii) Is the site located in/adjacent to a sensitive area e.g. SPA (Special Protection Area) or SAC (Special Area of Conservation) i.e. a Natura 2000 site? (Refer to Guidance Note 3.3.1- Natura 2000 sites) No, the bay/site is not in a SPA, SAC of Natura 2000 site. However the site is adjacent to a SAC (Barley Cove to Ballyrisode SAC 1050) and a SPA (Sheeps head to Toe Head SPA 4156)

(xviii) Are there known sources of pollution in the vicinity e.g. sewage outfall? If yes please give full details.	Yes / No
(xix) Methods used to harvest the shellfish and details of any subsequent processing of Dive harvesting	shellfish.
(xx) Describe any proposed purification facilities to be used: Run through depuration plant	
(xxi) What are the main predators of the species to be cultivated? Starfish and Crabs	
(xxii) Describe the method(s) which will be used to control them Hand dived for starfish and records retained for predator control	
Traile dived for startisticality records retained for predator control	

2.3 MARINE-BASED SEAWEED/AQUATIC PLANTS/AQUATIC FISH FOOD AQUACULTURE

When filling out this section refer also to 2.3 A and Guidance Note 3.3 for information on Conditions and Documents required with this application type

Proposed Site Location

(i) Bay: Crookhaven Bay

(ii) County: Cork

(iii) OS Map No: <u>88</u>

(iv) Co-ordinates of Site: (please specify coordinate reference system used e.g. Irish Grid (IG) or Irish Transverse Mercator (ITM) or Latitude/Longitude [in which case specify whether ETRS89 or WG84 etc.]

080560, 025620

081320, 025800

081900, 025800

081900, 025700

081850, 025650

<u>081520, 025610</u>

081110, 025550

<u>081520,0256660</u>

080590, 025520

(v) Size (hectares): 14.5ha

(vi) Species (common and scientific name): Green, Brown and Red Seaweeds : Alaria esculenta (dabberlocks, winged Kelp, Atlantic Wakame): Laminaria digitate (oarweed); Saccharina latissimi (sugar/sweet kelp): Ulva lactuca (sea lettuce); Asparagopsis armata (harpoon weed); Porphyra (Nori)

(vii) What is the source of plantlet : BMRS hatchery

(viii) Cultivation Method: 48 Longlines

(ix) Proposed total number of lines/ropes: 48 X 155m longlines

(x) Proposed Production:

Year 1 18.15T | Year 2 | 49.5T | Year 3 | 79.2T | Year 4 | 79.2T | Year 5 | 79.2T

- (xi) Reasons for site selection: Crookhaven Bay has ideal conditions for growing indigenous species of seaweed
- (xii) Provide detailed information on the techniques for cultivation in use or to be used. Are these techniques currently in use in the industry or are they new? Please give details;

Longline deployment techniques are currently in use in the industry. Seeded seaweed string will be prepared onshore at the BMRS hatchery. On arrival at the longline, the boat is tied to the header rope at one end in such a way that the boat can be quickly detached when needed. The header rope is detached from the anchor rope, making sure that the anchor rope has a buoy attached to the end or that it can be secured temporarily to the boat to avoid loss. Damp clothes are carefully removed from the collectors, and the header rope is then passed through the middle of the collector. The end of the culture string is untied from the end of the collector closest to the detached end of the header rope and secured through the lay of the header rope. The collector is held at either end, to avoid touching the small, delicate plants on the culture string. The anchor rope is then re-attached to the header rope, ensuring a stronger connection. The boat is then untied from the line and is pulled

down the length of the header rope over hand. The collector should also be pulled down the length of the header rope, the culture string spiralling around the larger diameter header rope. The string must not be coiled too loosely around the rope to ensure the plants anchor to the line. Upon reaching the other end of the longline, or the end of the culture string supply (whichever comes first), the end of the culture string is tied through the lay of the rope once again, as at the start. Before leaving the site, it is ensured that the header rope is submerged to a minimum of 0.5m below the surface. The buoys are then attached to the header rope, spacing them evenly down the length of the line.

(xiii) Methods used for harvesting.

A boat operated crane will be utilised to remove the longlines from the bay.

(xiv) Has the site sufficient space for the site structures including mooring blocks?

Yes, Detailed drawing attached.

Please provide separately detailed drawings of both over and under water structures including moorings. (See Guidance Note on Site Structures 3.3.2)

(xv) How will the visual impact issues of the flotation devices for the proposed application be addressed?

The buoys within the site design are grey LD2 buoys. These are specifically designed to be almost invisible from the shore. (See note in relation to mitigation guidance)

(xvi) Is the site located in a sensitive area e.g. SPA (Special Protection Area) or SAC (Special Area of Conservation) i.e. a Natura 2000 site? (Refer to Guidance Note 3.3.1- Natura 2000 sites)

If Yes give details

No, the bay/site is not in a SPA, SAC, or Natura 2000 site. However, the site is adjacent to a SAC (Barley Cove to Ballyrisode SAC 1040) and a SPA (Sheep's Head to Toe Head SPA 4156)

See Part 2.3A for details of documentation to be included with this application type

2.6 Employment, Qualifications, Experience, etc TO BE FILLED IN BY ALL AQUACULTURE APPLICANTS

(i) Please provide details of experience/qualifications of the applicant and any key personnel which are relevant to the aquaculture now proposed:

Jimmy Newman has over 20 years of experience of aquaculture farming and has been a fisherman all of his life.

He was also involved in the FP7-funded project, CRABS, which investigated settlement of invertebrates in Crookhaven.

The Bantry Marine Research Station (BMRS) has been in operation since 1991 as part of the Aquaculture and Fisheries

Development Centre (AFDC), University College Cork. However in 2005 it was established as an independent research centre. Research work at the station has grown steadily and has included commercial trials and participation in EU research projects.

It currently has a land based licence (Aquaculture licence no.422) and seaweed aquaculture licence (Aquaculture Licence no. T05/547A).

- (ii) If a new application please provide details of projected employment creation during first four years of the proposed aquaculture project:
- (iii) In the case of a renewal please provide current and future details:

It is predicted that in year 1, approximately 11 lines will be deployed, in year 2 c. 30 lines, year 3 c. 48 lines and the 15 cages year 4 c. 48 lines and the 15 cages year 5 c. 48 lines and the 15 cages

The world market for sea weed products is increasing dramatically.

Seaweed processing and sales activities will increase over the first 3-4 years

We envisage that for year 1-4 of this project there will be average of 075 full time equivalent jobs and 1 part time equivalent jobs.

Seaweed string is deployed on the longlines in December, with harvesting taking place in May/June.

The site remains fallow for the rest of the year from a seaweed growing perspective but scallops will continue to

be reared all year round with intermittent inspections and monitoring by staff.

Applicant is working closely with Bantry Marine Research Station

FULLTIME JOBS

Year 1:	0	Year 2:	1	Year 3:	1	Year 4:	1
PART TIME	JOBS						
Year 1:	1	Year 2:	1	Year 3:	1	Year 4:	1

PART 5: DECLARATION AND SIGNING

NB: Refer to Guidance Note Section 3.5 and Section 4 - Guidance on Declaration and Signing and Annual Aquaculture and Foreshore Licence Fees

If this is a renewal/review have you met all licence conditions of the existing aquaculture licence? If applicable, explain why you have not complied with all conditions:
Yes
I/We hereby declare the information provided in Parts 1, 2, 3 and 4 above to be true to the best of my/our knowledge and that I am over 18 years of age. I/We enclose an application fee* of each of this application.
Signature(s) of Applicant(s): (Please state capacity of persons signing on behalf of a Company/Co-op) Dental
Crose have Dorhunas
_ conscal_ untel
Date: 25/1/19
NB All persons named on this licence application must sign and date this application form. Only the existing licence holder(s) can apply for the renewal/review of an Aquaculture Licence.
*Preferred method of payment is by cheque or bank draft. The fee should be made payable to the Department of Agriculture, Food and the Marine.
Refer to Guidance Note Section 4 - Guidance on Aquaculture and Foreshore Licence Fees

The application form should be forwarded, with the required documents and application fee, to:

Aquaculture Licensing
Aquaculture & Foreshore Management Division
Department of Agriculture, Food and the Marine
National Seafood Centre
Clonakilty

Co. Cork P85 TX47

1 NO. SITE AT CROOKHAVEN HARBOUR CO.CORK

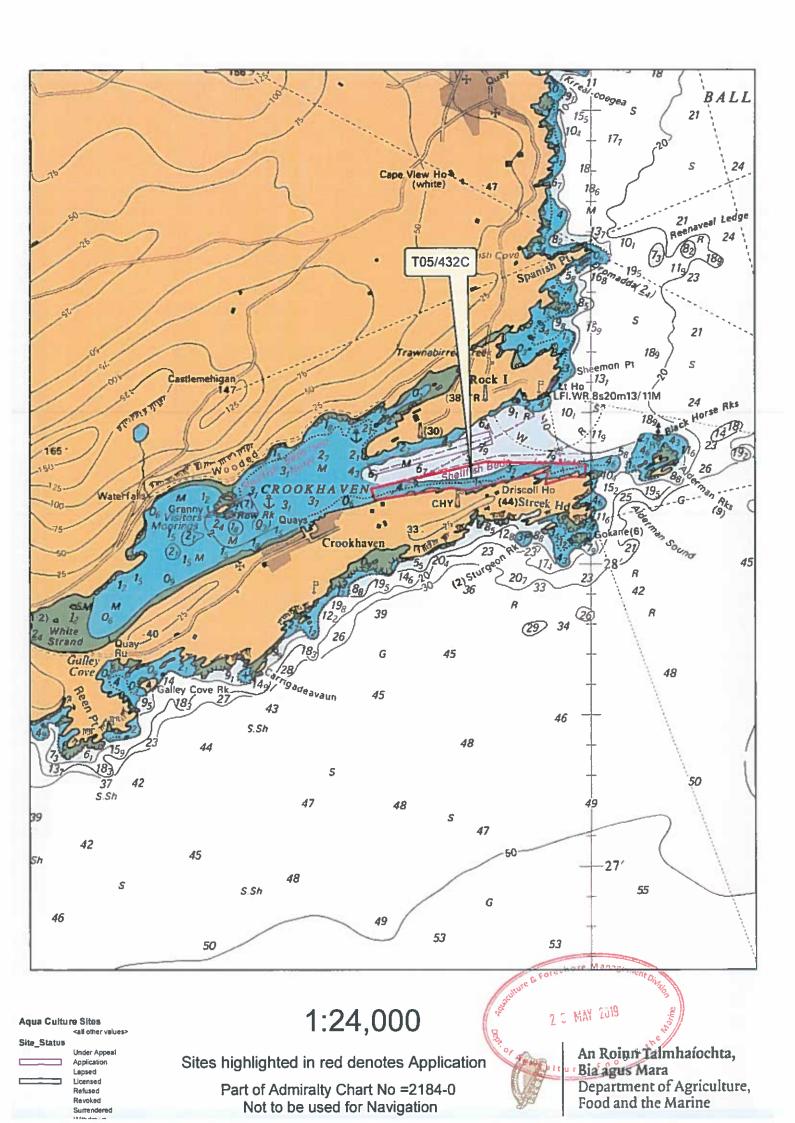
Co-ordinates & Area

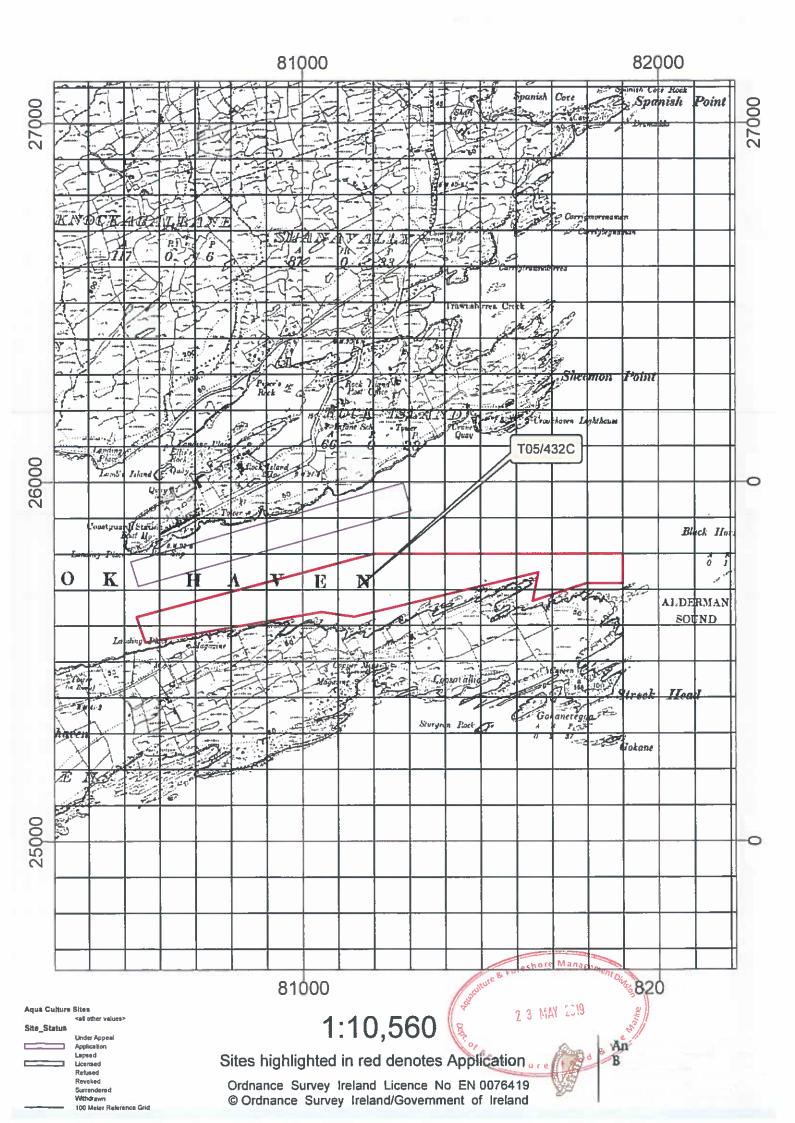
Site T05/432C (14.4895 Ha)

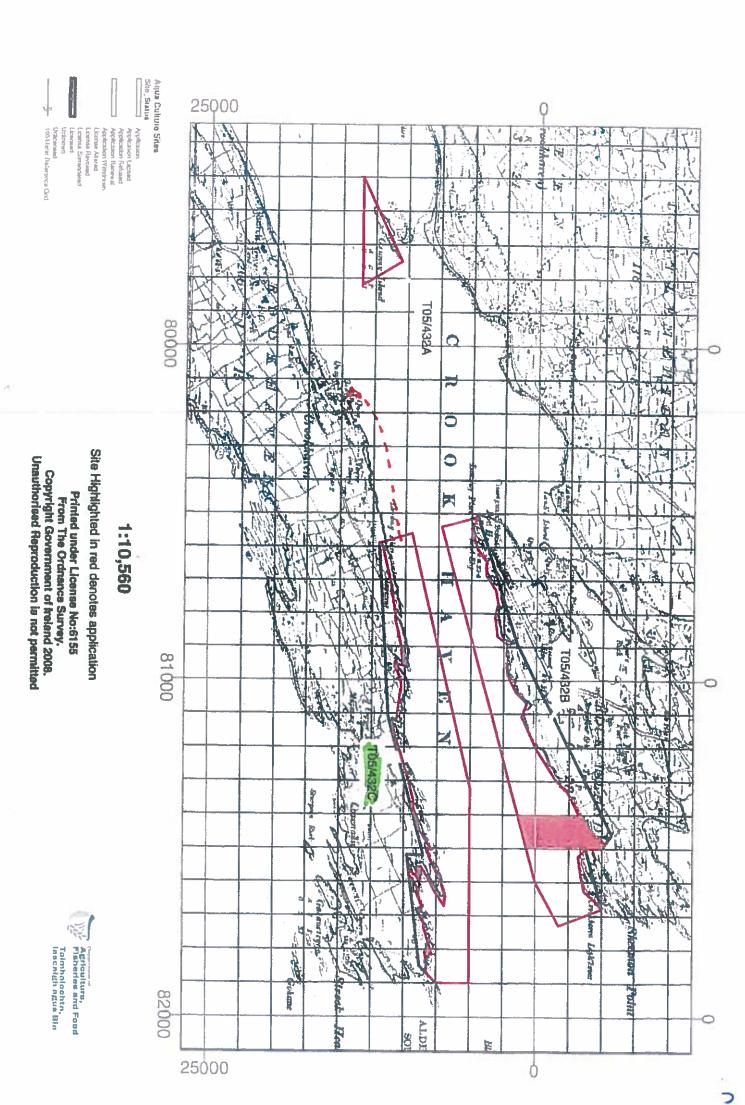
The area seaward of the high water mark and enclosed by a line drawn from Irish National Grid Reference point

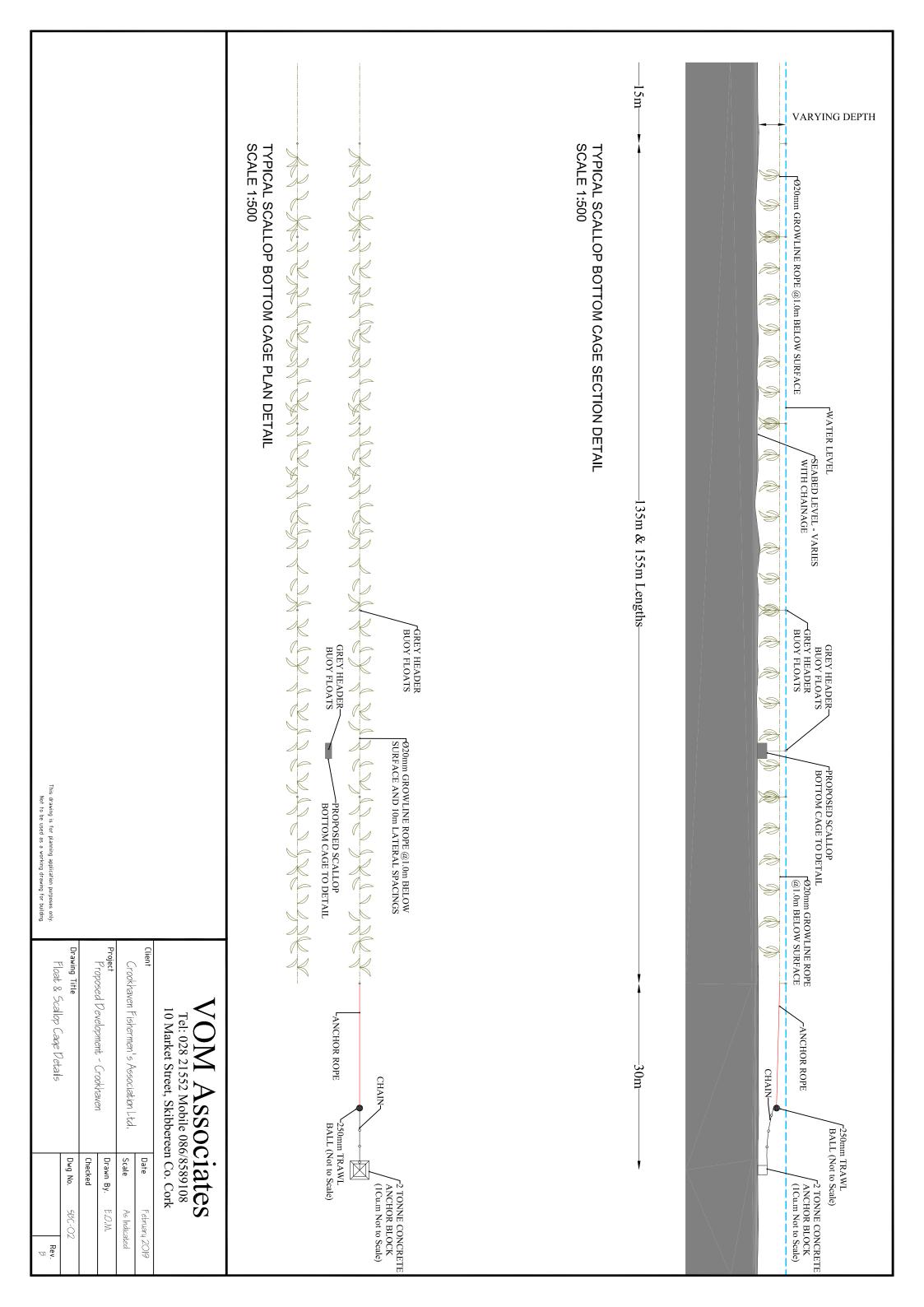
080534, 025624	to Irish National Grid Reference point
081200, 025800	to Irish National Grid Reference point
081900, 025800	to Irish National Grid Reference point
081900, 025718	to Irish National Grid Reference point
081798, 025718	to Irish National Grid Reference point
081645, 025669	to Irish National Grid Reference point
081661, 025748	to Irish National Grid Reference point
081145, 025624	to Irish National Grid Reference point
081052, 025638	to Irish National Grid Reference point
080560, 025554	to the first mentioned point.

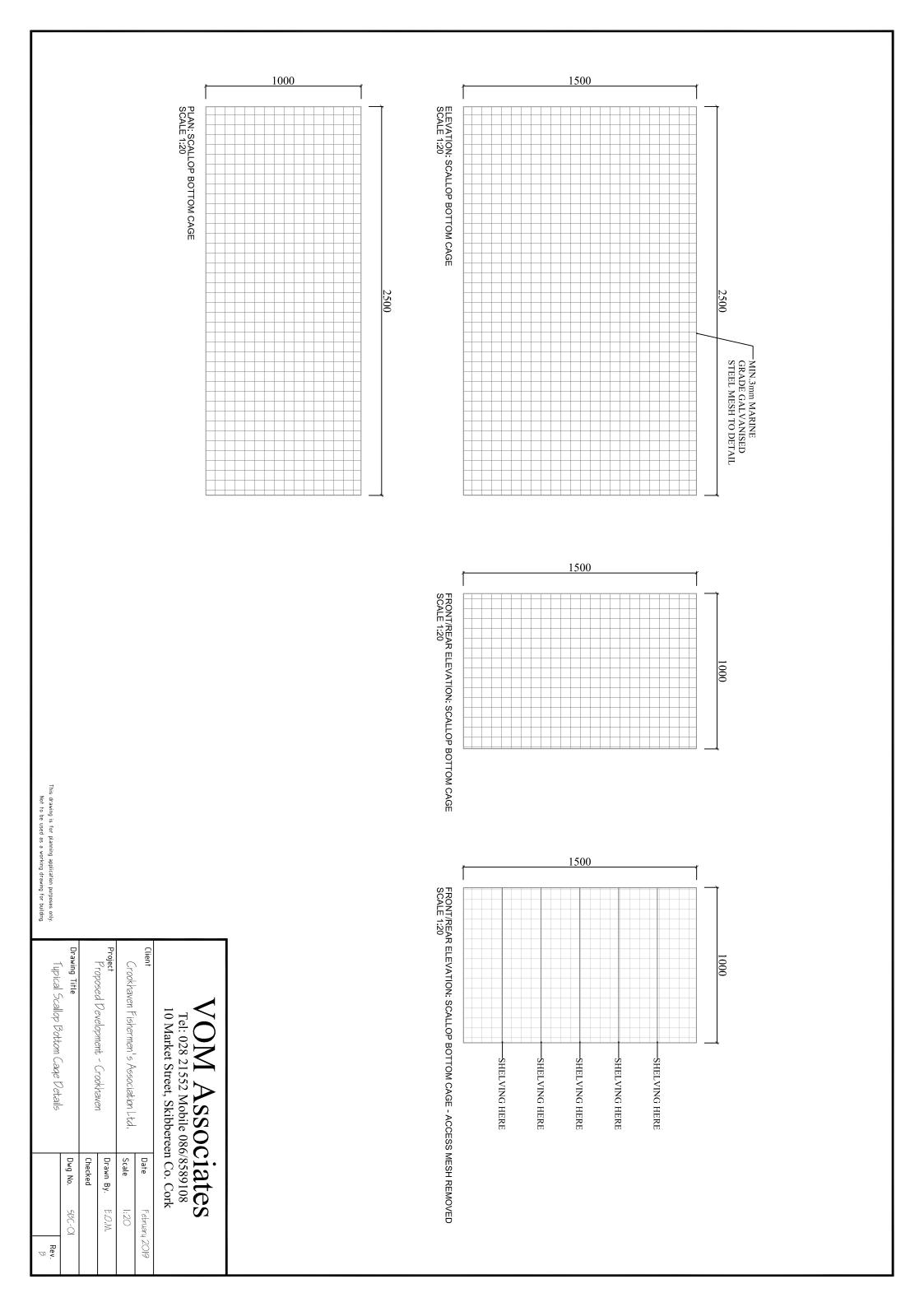


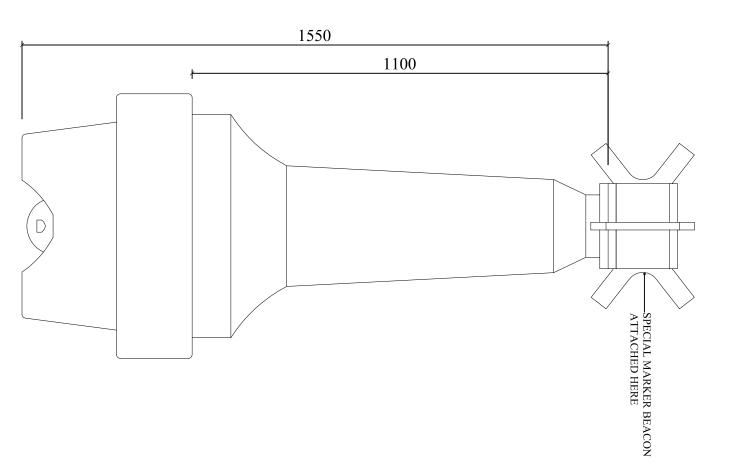


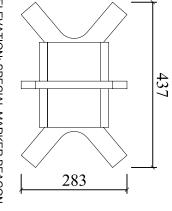




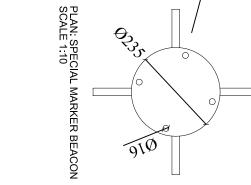








ELEVATION: SPECIAL MARKER BEACON SCALE 1:10



Floating Marker Buoy Specification:

- Total Height 1550mm
 Total Weight 65kg
 Diameter 600mm
 Volume 189 Litres
 Focal View 1100mm
 Mooring Ring Diameter 25mm
 Mooring Line and Block Suitable for Location

VOM ASSOCIATES Tel: 028 21552 Mobile 086/8589108 10 Market Street, Skibbereen Co. Cork

ELEVATION: FLOATING MARKER BUOY SCALE 1:10

Client	Date	January 2019	6IO
Crookhaven Fishermen's Association Ltd.	Scale	OFI	
Project Proposed Development - Crookhaven	Drawn By. $\mathbb{E}O\mathbb{M}$	E O M	
I TOPOZON Z OVRIDŽITIOTIS – OT ODIN BAVOTI	Checked		
Drawing Title	Dwg No.	CH-OI	
Marker Duoy Vetails			Rev.

This drawing is for planning application purposes only.

Not to be used as a working drawing for building.