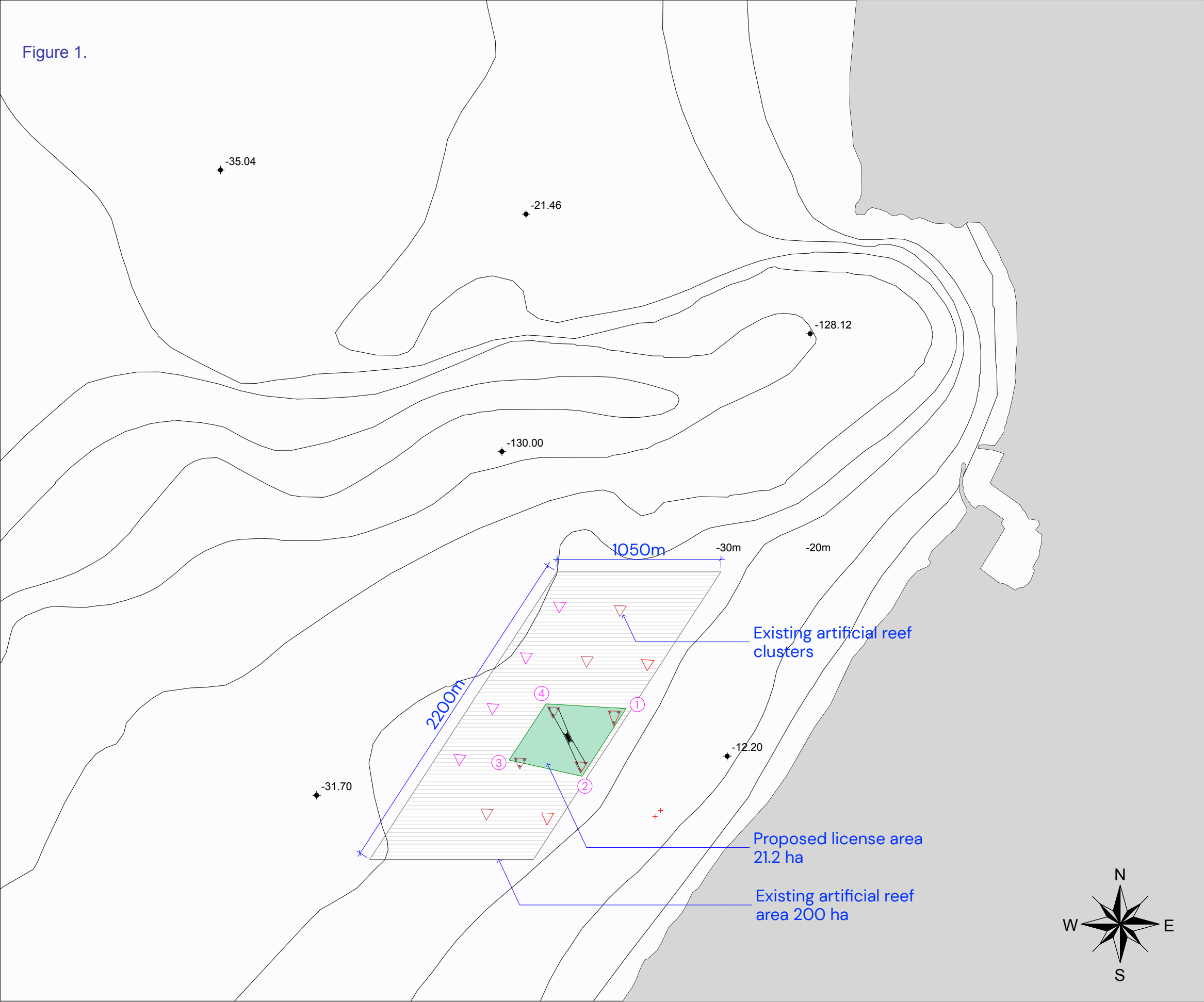
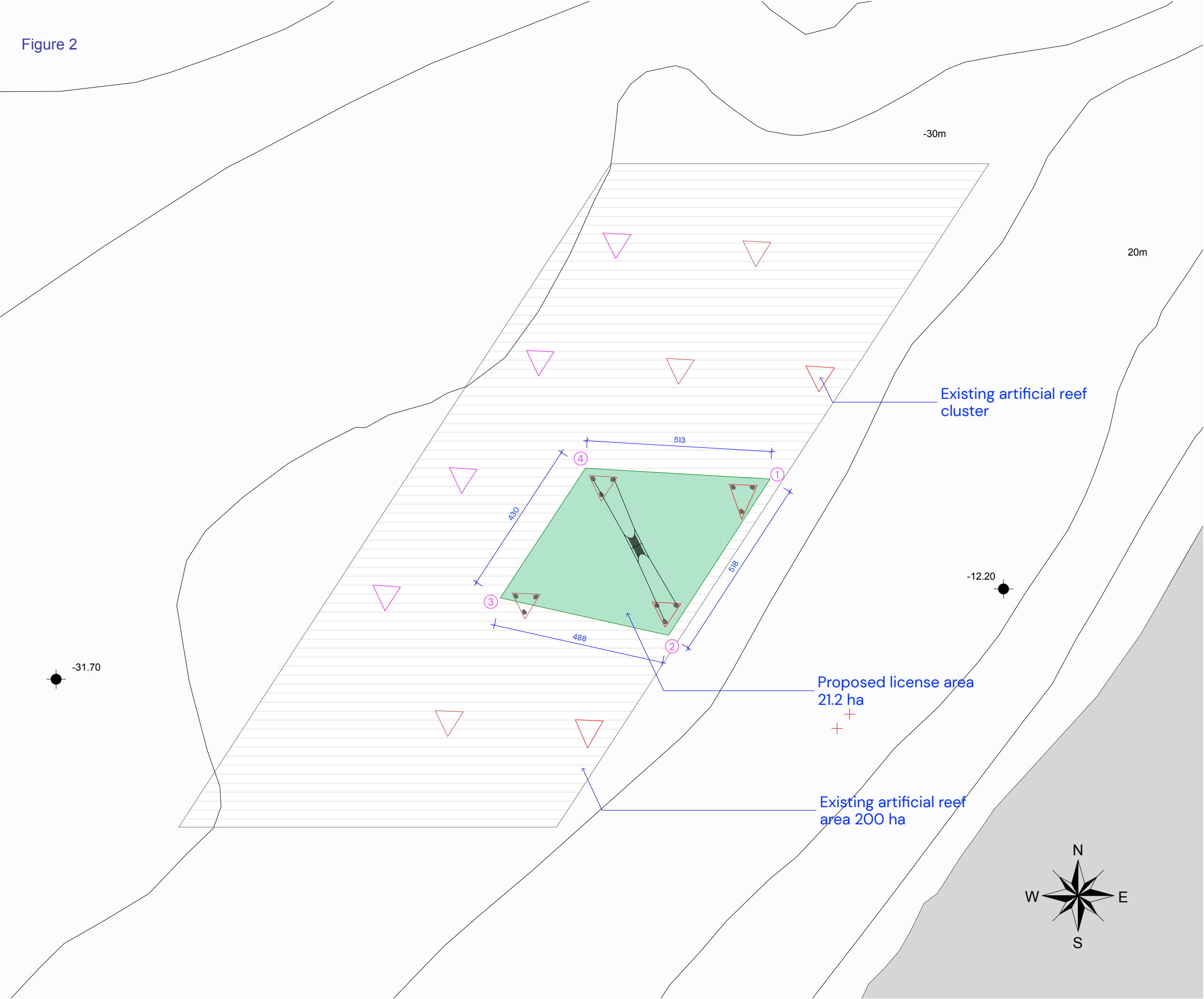


Figure 1.



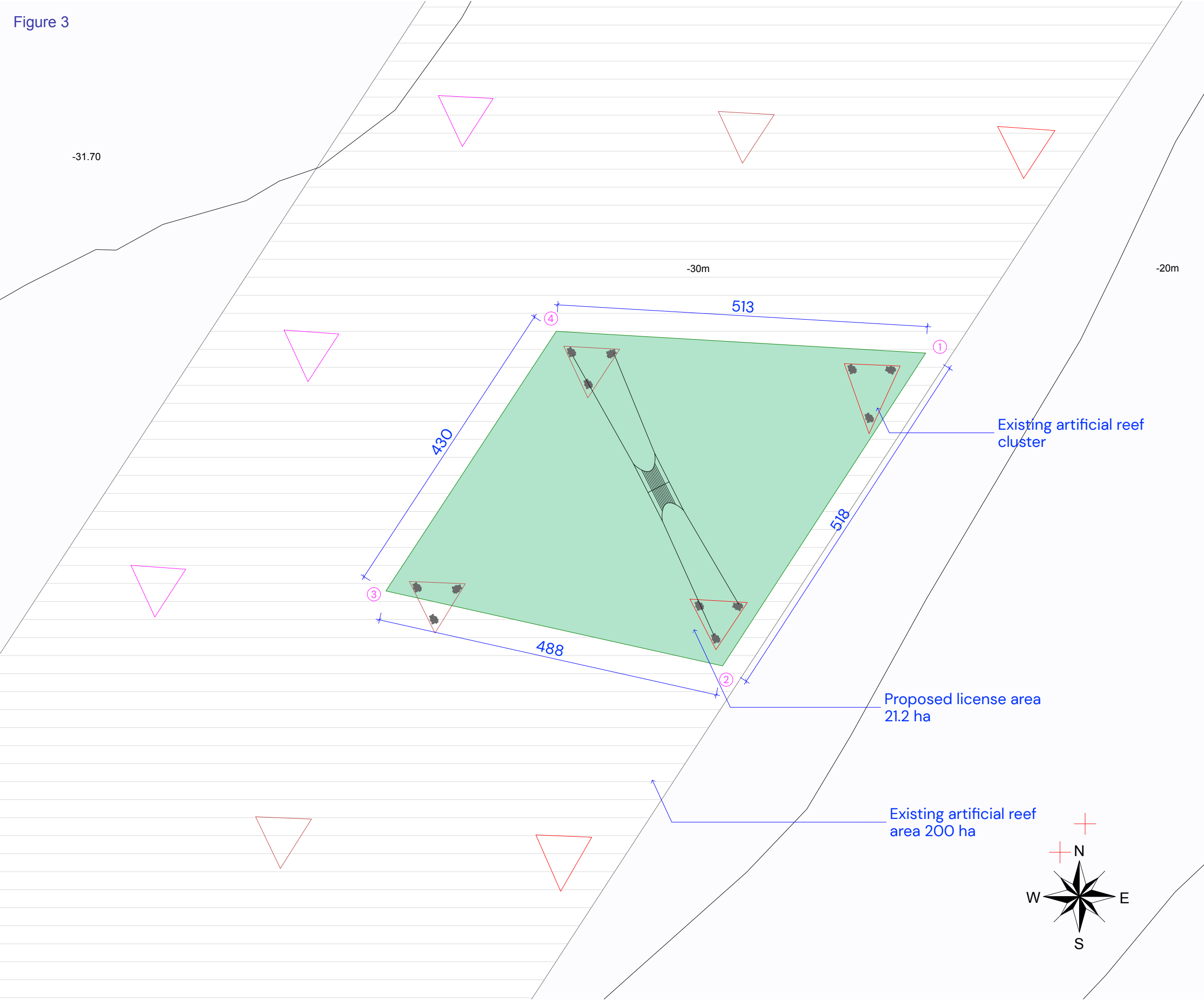
PROJECT NAME Hope Zones Foundation Pilot Farm	
DESCRIPTION Proposal for Multi-trophic aquaculture Seaweed farm located within Nazaré Artificial reef area of 0.2 km²	
Coordinates of license area: Point 1: 39°34'32"N 9°06'10"W Point 2: 39°34'18"N 9°06'22"W Point 3: 39°34'21"N 9°06'41"W Point 4: 39°34'33"N 9°06'31"W	
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SCALE 1:25000 at A3	DIMENSION in m
NOTES Preliminary drawing for licensing purposes only! An engineering evaluation will define all farm components to mitigate structural failure risks and maximize performance and operability in the proposed aquaculture farm system. This evaluation, conducted by a marine engineer, considers extreme current, wave, and wind conditions from a 50-year storm. A numerical model and simulations determine the system's response to these conditions. Observed design challenges are addressed through iterative improvements. License area will allow for: Optimal use and revival of existing artifical reef area Optimized design for high performance environment Optimized position and rotation of the farm Larger scope to withstand stronger forces Increase environmental safety	
DRAWING NUMBER 001	REVISION NUMBER X
AUTHOR DP	
DATE 02.07.2024	

Figure 2



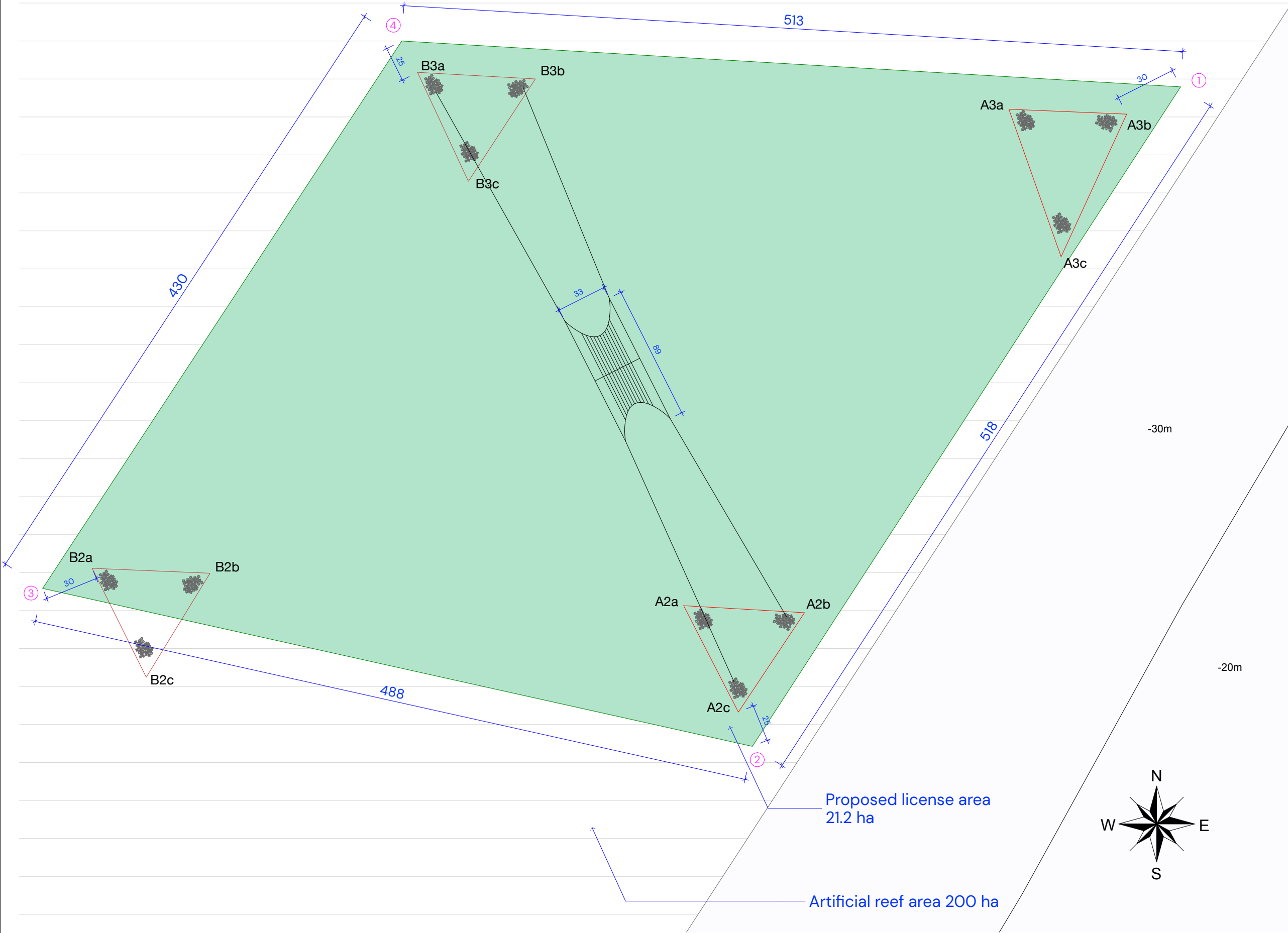
PROJECT NAME Hope Zones Foundation Pilot Farm	
DESCRIPTION Proposal for Multi-trophic aquaculture Seaweed farm located within Nazaré Artificial reef area of 0.2 km²	
Coordinates of license area: Point 1: 39°34'32"N 9°06'10"W Point 2: 39°34'18"N 9°06'22"W Point 3: 39°34'21"N 9°06'41"W Point 4: 39°34'33"N 9°06'31"W	
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SCALE 1:10000 at A3	DIMENSION in m
NOTES Preliminary drawing for licensing purposes only! An engineering evaluation will define all farm components to mitigate structural failure risks and maximize performance and operability in the proposed aquaculture farm system. This evaluation, conducted by a marine engineer, considers extreme current, wave, and wind conditions from a 50-year storm. A numerical model and simulations determine the system's response to these conditions. Observed design challenges are addressed through iterative improvements. License area will allow for: Optimal use and revival of existing artifical reef area Optimized design for high performance environment Optimized position and rotation of the farm Larger scope to withstand stronger forces Increase environmental safety	
DRAWING NUMBER 002	REVISION NUMBER X
AUTHOR DP	
DATE 02.07.2024	

Figure 3



PROJECT NAME Hope Zones Foundation Pilot Farm	
DESCRIPTION Proposal for Multi-trophic aquaculture Seaweed farm located within Nazaré Artificial reef area of 0.2 km²	
Coordinates of license area: Point 1: 39°34'32"N 9°06'10"W Point 2: 39°34'18"N 9°06'22"W Point 3: 39°34'21"N 9°06'41"W Point 4: 39°34'33"N 9°06'31"W	
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SCALE 1:5000 at A3	DIMENSION in m
NOTES Preliminary drawing for licensing purposes only! An engineering evaluation will define all farm components to mitigate structural failure risks and maximize performance and operability in the proposed aquaculture farm system. This evaluation, conducted by a marine engineer, considers extreme current, wave, and wind conditions from a 50-year storm. A numerical model and simulations determine the system's response to these conditions. Observed design challenges are addressed through iterative improvements. License area will allow for: Optimal use and revival of existing artifical reef area Optimized design for high performance environment Optimized position and rotation of the farm Larger scope to withstand stronger forces Increase environmental safety	
DRAWING NUMBER 003	REVISION NUMBER X
AUTHOR DP	
DATE 02.07.2024	

Figure 4



PROJECT NAME
Hope Zones Foundation
Pilot Farm

DESCRIPTION
Proposal for
Multi-trophic aquaculture Seaweed
farm located within Nazaré Artificial
reef area of 0.2 km²

Coordinates of license area:

Point 1: 39°34'32"N 9°06'10"W
Point 2: 39°34'18"N 9°06'22"W
Point 3: 39°34'21"N 9°06'41"W
Point 4: 39°34'33"N 9°06'31"W

Artificial reef clusters used for mooring

A2a: 39°34'21.3"N 9°06'24.2"W
A2b: 39°34'21.2"N 9°06'20.9"W
A2c: 39°34'19.1"N 9°06'22.7"W

A3a: 39°34'31.9"N 9°06'15.2"W
A3b: 39°34'31.7"N 9°06'11.9"W
A3c: 39°34'28.7"N 9°06'13.7"W

B2a: 39°34'22.1"N 9°06'40.5"W
B2b: 39°34'21.9"N 9°06'37.2"W
B2c: 39°34'19.8"N 9°06'39.0"W

B3a: 39°34'32.6"N 9°06'31.5"W
B3b: 39°34'32.5"N 9°06'28.3"W
B3c: 39°34'30.4"N 9°06'30.1"W

SCALE 1:2500 at A3

DIMENSION in m

NOTES
Preliminary drawing for licensing purposes
only!

An engineering evaluation will define all
farm components to mitigate structural
failure risks and maximize performance and
operability in the proposed aquaculture
farm system. This evaluation, conducted by
a marine engineer, considers extreme
current, wave, and wind conditions from a
50-year storm. A numerical model and
simulations determine the system's
response to these conditions. Observed
design challenges are addressed through
iterative improvements.

License area will allow for:

Optimal use and revival of existing artifical
reef area
Optimized design for high performance
environment
Optimized position and rotation of the farm
Larger scope to withstand stronger forces
Increase environmental safety

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REVISION NUMBER
X

AUTHOR
DP

DATE
02.07.2024

Figure 5a.

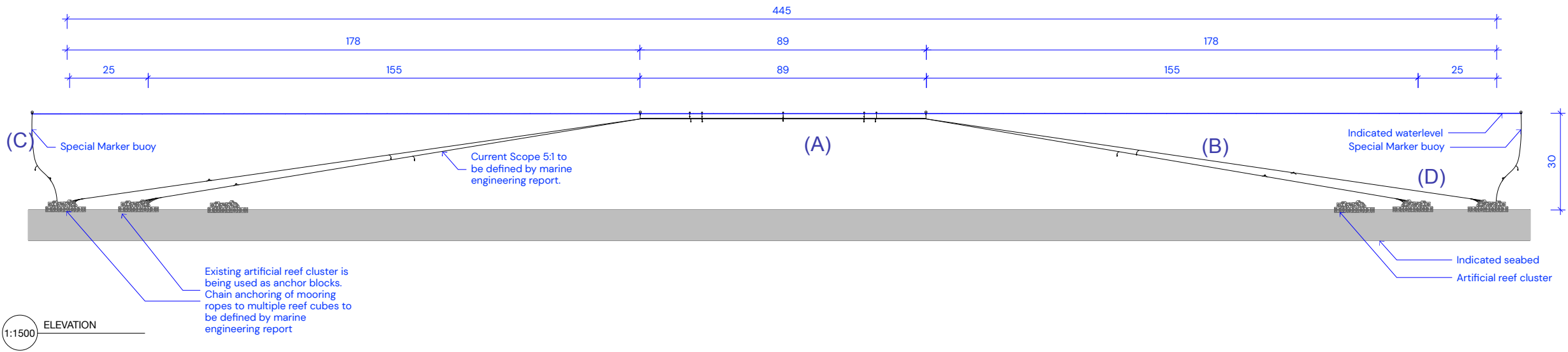
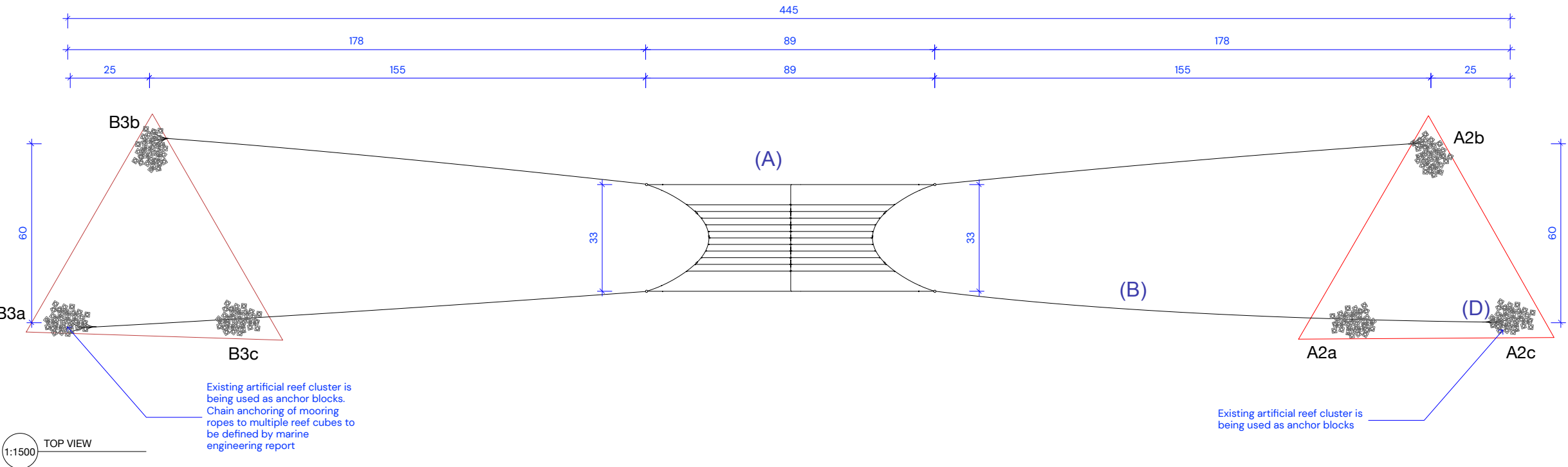


Figure 5b.



PROJECT NAME Hope Zones Foundation Pilot Farm	
DESCRIPTION Proposal for Multi-trophic aquaculture Seaweed farm located within Nazaré Artificial reef area of 0.2 km²	
Coordinates of license area: Point 1: 39°34'32"N 9°06'10"W Point 2: 39°34'18"N 9°06'22"W Point 3: 39°34'21"N 9°06'41"W Point 4: 39°34'33"N 9°06'31"W	
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SCALE 1:1500 at A3	DIMENSION in m
NOTES Preliminary drawing for licensing purposes only! An engineering evaluation will define all farm components to mitigate structural failure risks and maximize performance and operability in the proposed aquaculture farm system. This evaluation, conducted by a marine engineer, considers extreme current, wave, and wind conditions from a 50-year storm. A numerical model and simulations determine the system's response to these conditions. Observed design challenges are addressed through iterative improvements. License area will allow for: Optimal use and revival of existing artifical reef area Optimized design for high performance environment Optimized position and rotation of the farm Larger scope to withstand stronger forces Increase environmental safety	
DRAWING NUMBER 005	REVISION NUMBER X
AUTHOR DP	
DATE 02.07.2024	