

Ian Meyrick

From: Marine Licensing <marinelicensing@cyfoethnaturiolcymru.gov.uk>
Sent: 19 March 2025 08:22
To: Anna Ntasiou; Marine Licensing; Marine Area Advice and Management Team
Cc: Ian Meyrick; David Short
Subject: RE: Q24031 MHWS line in Bangor

Hi Anna,

A case officer will be allocated once a completed licence application has been accepted by the team. We have recently received an unprecedented number of applications and it is taking longer than usual to begin to process applications. Once your application has been allocated we would anticipate no further delays in the process, and the application will then be dealt with by one officer until concluded.

With regards to pre-application advice, we can offer up to 2 hours free advice for general queries regarding the marine licencing process and how to apply, however you may be more suited to our bespoke pre-application advice service which my colleague Jack has provided some information for below. Please be advised that this is charged at £120/hour for our case officer's time. More information can be found on our website here: [Natural Resources Wales / Marine licence fees](#)

Thank you,
Stephen

Stephen Treby

Swyddog Trwyddedu Morol / Marine Licensing Officer

Tystiolaeth, Polisi a Thrwyddedu / Evidence, Policy and Permitting

0300 065 4068



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Correspondence in Welsh is welcomed, and we will respond in Welsh without it leading to a delay.



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From: Anna Ntasiou <Anna.Ntasiou@arup.com>

Sent: 18 March 2025 13:54

To: Marine Licensing <marinelicensing@cyfoethnaturiolcymru.gov.uk>; Marine Area Advice and Management Team <marine.advice@cyfoethnaturiolcymru.gov.uk>

Cc: Ian Meyrick <Ian.Meyrick@arup.com>; David Short <David.Short@arup.com>

Subject: RE: Q24031 MHWS line in Bangor

Rhybudd: Deilliodd yr e-bost hwn o'r tu allan i'r sefydliad. Peidiwch â chlicio dolenni, atodiadau agored nac sganio codau QR oni bai eich bod yn cydnabod yr anfonwr ac yn gwybod bod y cynnwys yn ddiogel.

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Hi Rowland,

Thank you very much for our call last Friday. The conversation we had regarding the marine license of the proposed scour protection works was very useful. I have summarised our key conversation points below and please feel free to add or amend anything that I may have misheard/misunderstood:

1. The marine license for our coastal protection works is Band 2- I checked the list of works that falls under Band 1 category and it doesn't cover our works.
2. We will be required to undertake and submit a Water Framework Directive Assessment, as part of the supporting documentation for the marine license application- This is because the location of our works is nearby shellfish/mussel areas, which are very sensitive to water pollution. as well as sediment plumes. The shellfish are filter feeders, so if they detect excessive sediment plumes, they close off. The mussels can survive without food for 2-3 days, so if the works cause excessive sediment pluming and last more than 3 days, this can lead to death of mussels.
3. Useful information is to be found at Water Watch Wales website-this is usually information that the WFD consultant requires to complete their work.
4. We will also need to submit a Shadow Habitats Regulation Assessment- This is to assess any impact on birds, marine mammals, and mussels in the area of works. Our location is not within the SSI boundaries but within the SPA .
5. This Shadow Habitat Regulations Assessment is submitted as part of the marine license application and will be used by NRW to conduct their own HRA to assess any risk to nearby habitats.
6. No FRAP will be required as this is covered by the Marine License.
7. The Contractor must prepare a Method Statement with details of how the works will be undertaken. This should include the times of the day that the works will be undertaken (preferably daytime as some species come out at night), the tide stage (preferably at low tide to avoid disturbance) etc
8. The Contractor must also submit a CEMP (Construction Environmental Management Plan) to demonstrate how they will prevent water pollution, sediment plumes (as the rock contains sediment/dust), non-native invasive species (especially if rock is transferred from a different area) etc
9. No coastal issues are expected to be created as our rock apron will not interfere with water or sediment movement.
10. Another issue is to consider any soil contamination if we dig in that area as part of our rock revetment works. I have informed Rowland about our GI, and he advised we submit that information as well with our marine license package.

On a separate note, I informed you that the pipe designer has obtained marine license recently and I asked whether we could coordinate with them to amend the license. Your advice was to avoid this as this will complicate things. However, you suggested we look into the NRW Marine Portal and find the pipe marine license application and supporting documentation, with license No CML2427, as a check of the required documentation.

You have also advised we allow for a buffer in the marine license duration to account for any delays but to specify clearly how many days it will take to install the rock apron as well, as this will help in proving that certain issues such as noise, sedimentation etc are only temporary and won't affect the habitats much.

@Marine Licensing, could you please provide us with a case officer as a point of contact for our marine license application from now onwards? We are currently in the process of completing our design and starting work on the WFD assessment and Shadow HRA based on Rowland's guidance and we would therefore like to arrange a pre-application consultation meeting with our case officer to confirm the license application requirements as well.

Kind regards,

Anna A.

Anna Ntasiou
she/her/hers
Senior Engineer| Coastal & Civil Engineering

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From: Anna Ntasiou <Anna.Ntasiou@arup.com>
Sent: 13 March 2025 14:02
To: Marine Licensing <marinelicensing@cyfoethnaturiolcymru.gov.uk>
Cc: Marine Area Advice and Management Team <marine.advice@cyfoethnaturiolcymru.gov.uk>
Subject: RE: Q24031 MHWS line in Bangor [Filed 13 Mar 2025 14:02]

Hi Jack,

Thank you very much for this. I look forward to Rowland's response.

Kind regards,

Anna A.

Anna Ntasiou
she/her/hers
Senior Engineer

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8 Fitzroy Street, London, W1T 4BJ
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From: Marine Licensing <marinelicensing@cyfoethnaturiolcymru.gov.uk>

Sent: 13 March 2025 12:12

To: Anna Ntasiou <Anna.Ntasiou@arup.com>

Cc: Marine Area Advice and Management Team <marine.advice@cyfoethnaturiolcymru.gov.uk>

Subject: Q24031 MHWS line in Bangor

Good afternoon Anna,

Apologies that you've not heard back. It looks as though this request was passed on to the Industry and Waste Team however, the Marine Area Advice Team would be more suited to deal with this request. I've been in contact with Rowland Sharp and he is going to review the DAS form you've submitted and get back to you. For reference, the Marine Area Advice Team can be contacted on marine.advice@cyfoethnaturiolcymru.gov.uk.

Kind regards,

Jack

Swyddog Trwyddedu Morol / Marine Licensing Officer

Cyfarwyddiaeth Tystiolaeth, Polisi a Thrwyddedu | Evidence, Policy and Permitting Directorate

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From: Anna Ntasiou <Anna.Ntasiou@arup.com>

Sent: 12 March 2025 12:13

To: Marine Licensing <marinelicensing@cyfoethnaturiolcymru.gov.uk>

Cc: Permit Receipt <permitreceiptcentre@cyfoethnaturiolcymru.gov.uk>; Thomas, Joseph <joseph.thomas@cyfoethnaturiolcymru.gov.uk>

Subject: RE: Q24031 MHWS line in Bangor

Rhybudd: Deilliodd yr e-bost hwn o'r tu allan i'r sefydliad. Peidiwch â chlicio dolenni, atodiadau agored nac sganio codau QR oni bai eich bod yn cydnabod yr anafonwr ac yn gwybod bod y cynnwys yn ddiogel.

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Hello,

I am writing to you regarding the pre-application consultation request I submitted via the NRW portal on the 24th of February, about a new marine license application for the proposed coastal protection works in Bangor. Could you please let me know whether I can expect to arrange a pre-application consultation meeting with you to discuss the marine license requirements?

Kind regards,

Anna A.

Anna Ntasiou
she/her/hers
Senior Engineer

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From: Marine Licensing <marinelicensing@cyfoethnaturiolcymru.gov.uk>
Sent: 21 February 2025 15:21
To: Anna Ntasiou <Anna.Ntasiou@arup.com>
Subject: RE: Q24031 MHWS line in Bangor

Prynhawn da Anna

Thank you for your email, we hope you're doing well too.

Where a marine licence is required this may be done as either a Band 1, a Band 2, or a Band 3 application. The type of application used is dependent upon the type and scale all the proposed works. As it is applicants who have the broadest view of any proposed project, we advise that it is they who review the advice and guidance on the website and decide on which application process to use. Work assessed as low risk activities are called [Band 1 activities](#). A list of works eligible for Band 1 applications is available on our website. Licences for these activities can be issued for a maximum duration of 12 months. If your work will take longer than 12 months, you may need to apply for a [Band 2 licence instead](#). Additionally, if the work has a total cost of over £1 million, you may need to apply for a Band 3 licence.

Our online guidance also includes information on supplementary information needed to accompany applications and how to work through the application form.

We also offer pre-application advice service (our [Discretionary Advice Service \(DAS\)](#)), which can help to provide advice on the environmental considerations of your work, the assessments that you should have in place etc. to ensure that your application is as robust as possible prior to submission.

Kind regards,

Marine Licensing Team

Cyfarwyddiaeth Tystiolaeth, Polisi a Thrwyddedu / Evidence, Policy and Permitting Directorate

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Correspondence in Welsh is welcomed, and we will respond in Welsh without it leading to a delay.



From: Anna Ntasiou <Anna.Ntasiou@arup.com>

Sent: 21 February 2025 12:29

To: Marine Licensing <marinelicensing@cyfoethnaturiolcymru.gov.uk>

Cc: Thomas, Joseph <joseph.thomas@cyfoethnaturiolcymru.gov.uk>; David Short

<David.Short@arup.com>; Ian Meyrick <Ian.Meyrick@arup.com>; Anna Grieve <anna.grieve@arup.com>

Subject: RE: Q24031 MHWS line in Bangor

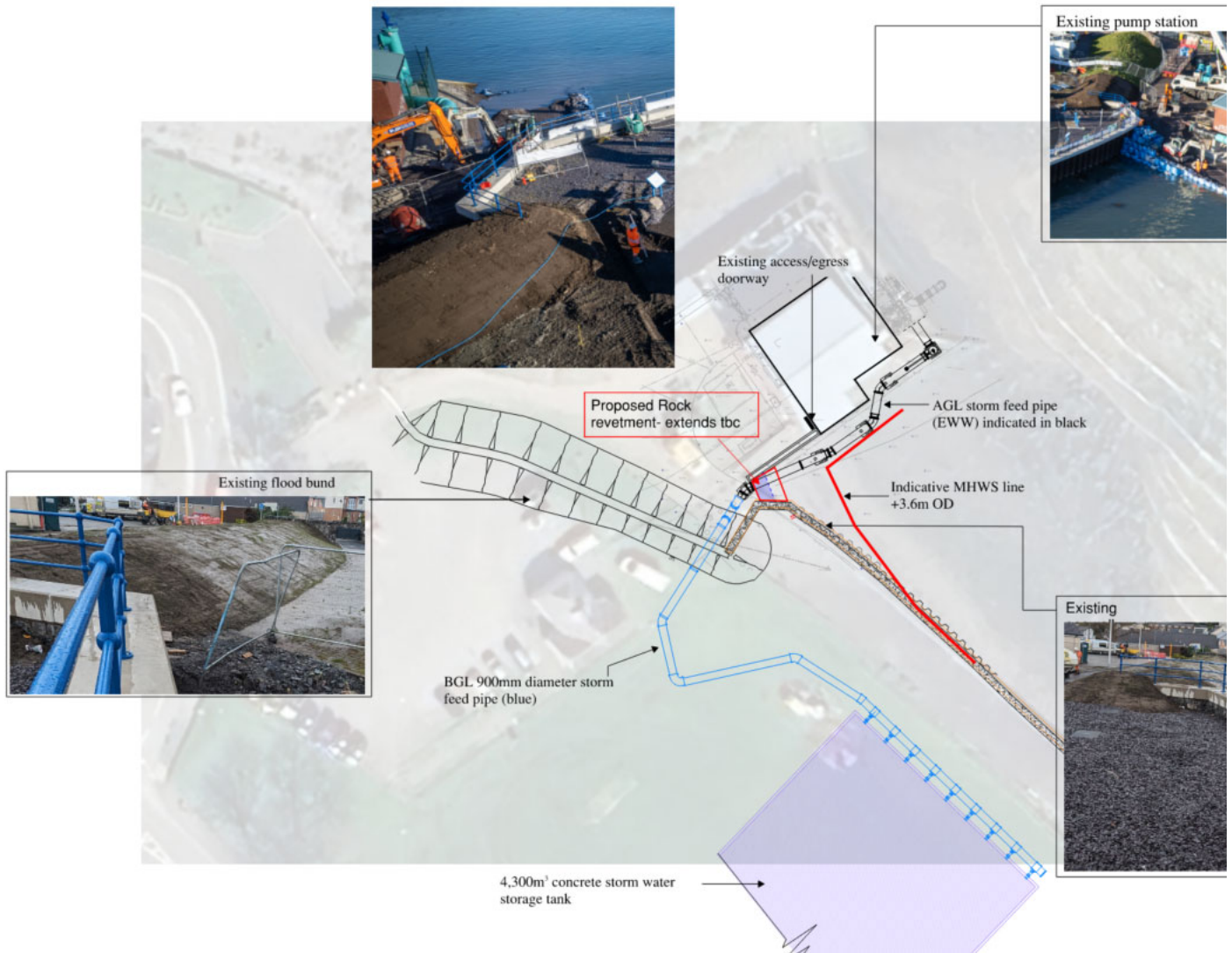
Rhybudd: Deilliodd yr e-bost hwn o'r tu allan i'r sefydliad. Peidiwch â chlicio dolenni, atodiadau agored nac sganio codau QR oni bai eich bod yn cydnabod yr anfonwr ac yn gwybod bod y cynnwys yn ddiogel.

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Dear Jack and Joe,

I hope you are both well and wishing you a happy and prosperous 2025 ahead. I am contacting you with regards to the coastal infill works project on Bangor, for which I have been seeking your guidance during the past months, please see email thread below.

The scheme has now been updated and what we propose as coastal erosion works, is a rock revetment (see indicative example on the photo below) located at the corner between the existing seawall and the existing revetment around the SPS, please see snapshot below. The extent of the revetment on the seaward side will be confirmed at a later stage. Previously, I had sought your confirmation regarding the location of the MHWS. I had calculated it by using publicly available sources, I had also looked at the NRW website [WOM21 Wales High Water Mark | DataMapWales \(gov.wales\)](https://www.gov.wales/wom21) and I had marked the MHWS line at +3.6m OD as per the snapshot below, which denoted that our works are landwards of the MHWS line and hence, no marine license would be required.



However, from drone photos that were taken recently on site, it appears that the MHWS line reaches the top of the corner, please see photo below. This aligns with what Joe had told me (please see email thread below) about the google earth images showing the MHWS line further landwards from what my plan sketch was indicating.



Hence, my understanding is that we will require to obtain a marine license for the rock revetment works we propose. Therefore, we would like to have a pre-application consultation meeting with you, to confirm :

- The type of marine license we need-My understanding is that it is a Band 2, but we would like your confirmation on this
- The supporting documentation and any other assessments that may be required as part of the marine license application submission.

Could you please let us know when you could be available to discuss the above, so that I can send the necessary Teams invite?

Thank you in advance for your help.

Kind regards,

Anna A.

Anna Ntasiou

she/her

Senior Maritime Engineer | Infrastructure London

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From: Marine Licensing <marinelicensing@cyfoethnaturiolcymru.gov.uk>

Sent: 08 August 2024 12:41

To: Anna Ntasiou <Anna.Ntasiou@arup.com>

Cc: David Short <David.Short@arup.com>

Subject: RE: Q24031 MHWS line in Bangor

Good afternoon Anna,

If you are confident that the works areas for both the scour protection and new wall are landward of MHWS, then they do not fall within the marine licensable area and therefore, a marine licence would not be required for these works.

In order to determine whether a FRAP is required, you will need to contact the FRAP team at floodpermitting.northmid@naturalresourceswales.gov.uk, as this is outside of our jurisdiction.

If you have any further questions, please don't hesitate to contact us.

Kind regards,

Jack

Swyddog Trwyddedu Morol / Marine Licensing Officer

Cyfarwyddiaeth Tystiolaeth, Polisi a Thrwyddedu | Evidence, Policy and Permitting Directorate

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From: Anna Ntasiou <Anna.Ntasiou@arup.com>

Sent: Wednesday, August 7, 2024 11:57 AM

To: Marine Licensing <marinelicensing@cyfoethnaturiolcymru.gov.uk>

Cc: David Short <David.Short@arup.com>; Thomas, Joseph <joseph.thomas@cyfoethnaturiolcymru.gov.uk>

Subject: RE: Q24031 MHWS line in Bangor

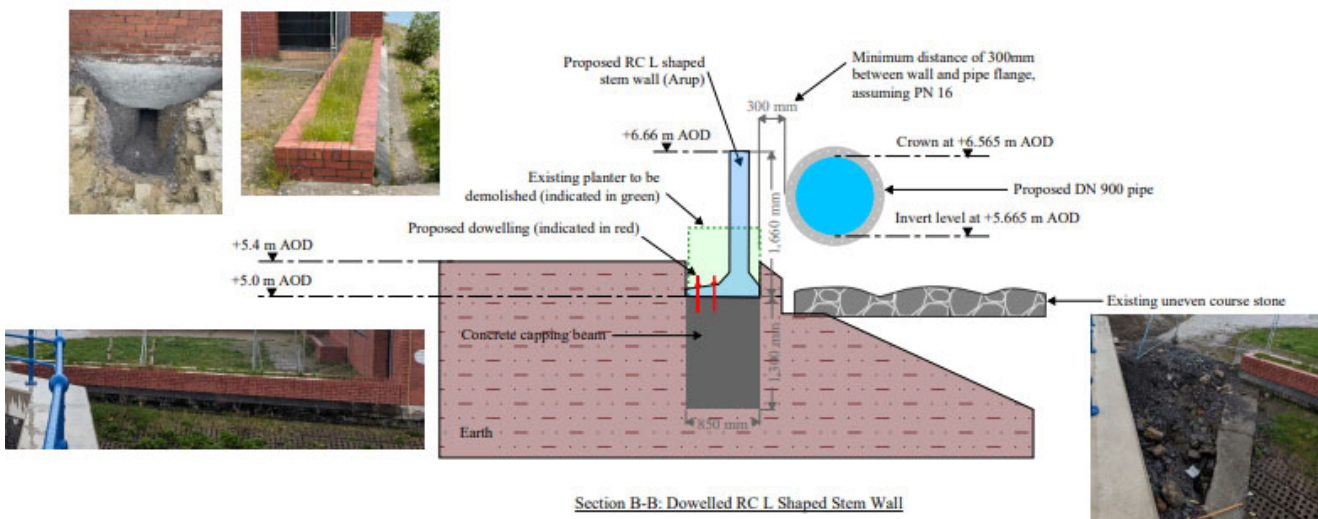
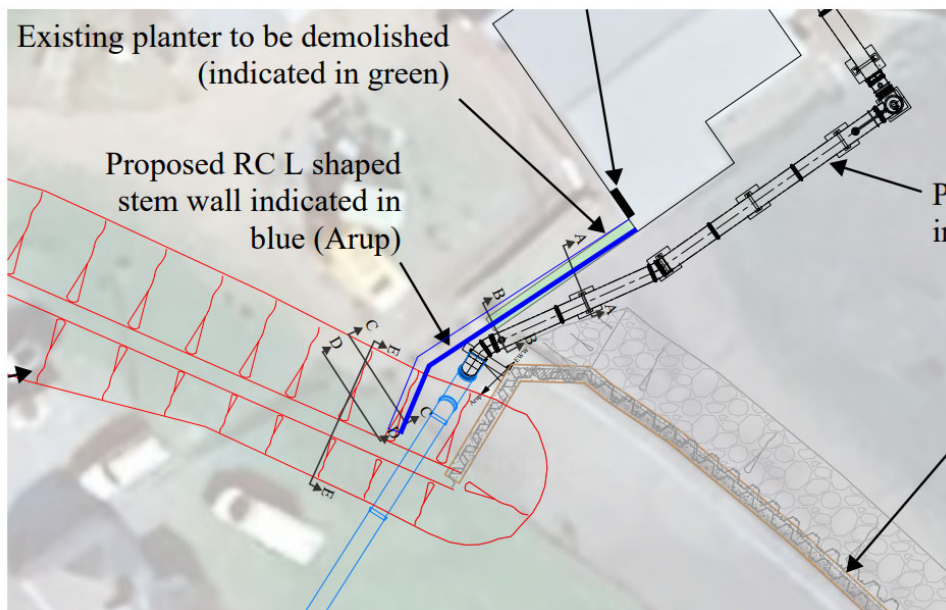
Rhybudd: Deilliodd yr e-bost hwn o'r tu allan i'r sefydliad. Peidiwch â chlicio dolenni, atodiadau agored nac sganio codau QR oni bai eich bod yn cydnabod yr anfonwr ac yn gwybod bod y cynnwys yn ddiogel.

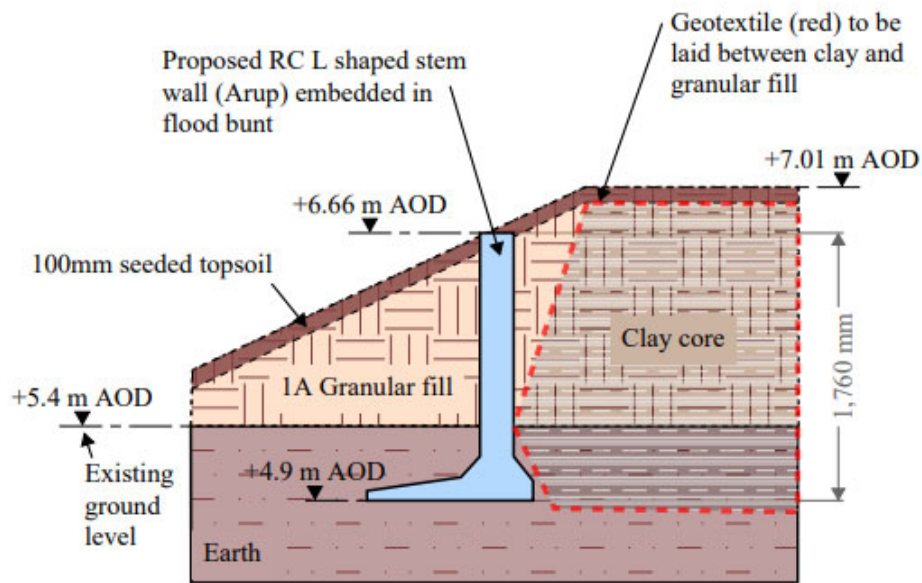
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Hi Joe and Pete,

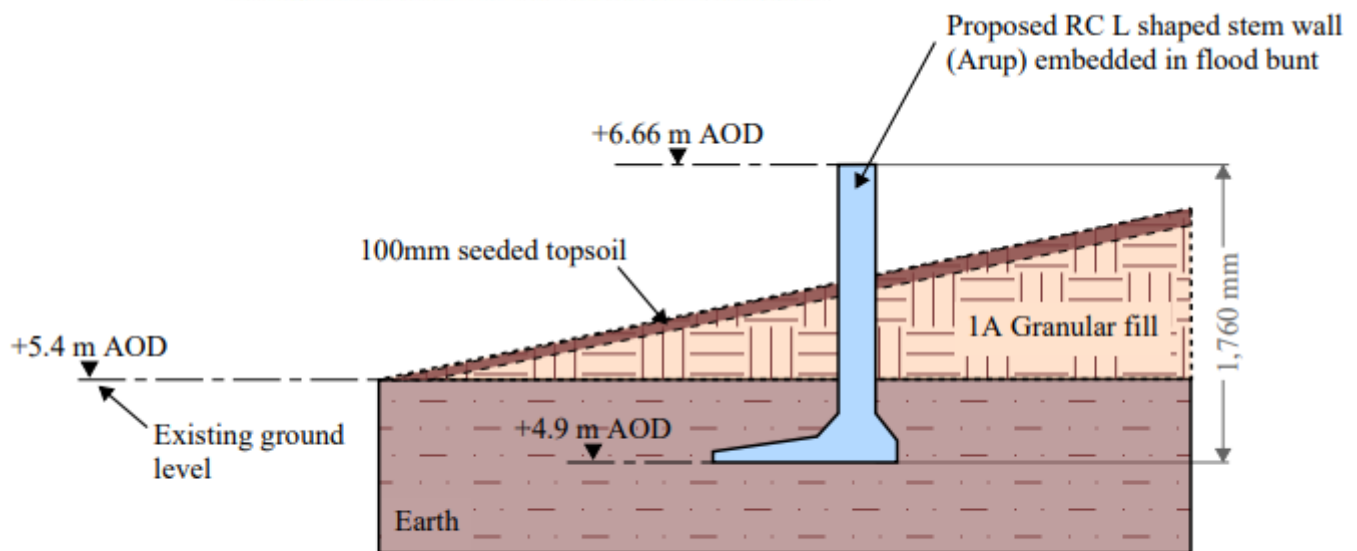
I am writing to you regarding the Bangor project that I had contacted you few months ago, about some marine licensing requirement queries that we have. As part of the coastal infill works that we have been requested to design in the small area between the SPS station, the existing seawall and the flood bunt, we are now proposing the below:

- 1) Proposed RC L-shaped wall on the landwards side of the existing revetment. This wall will tie into the existing flood bunt- Please see snapshots below of the Work in Progress Draft sketches we currently have.



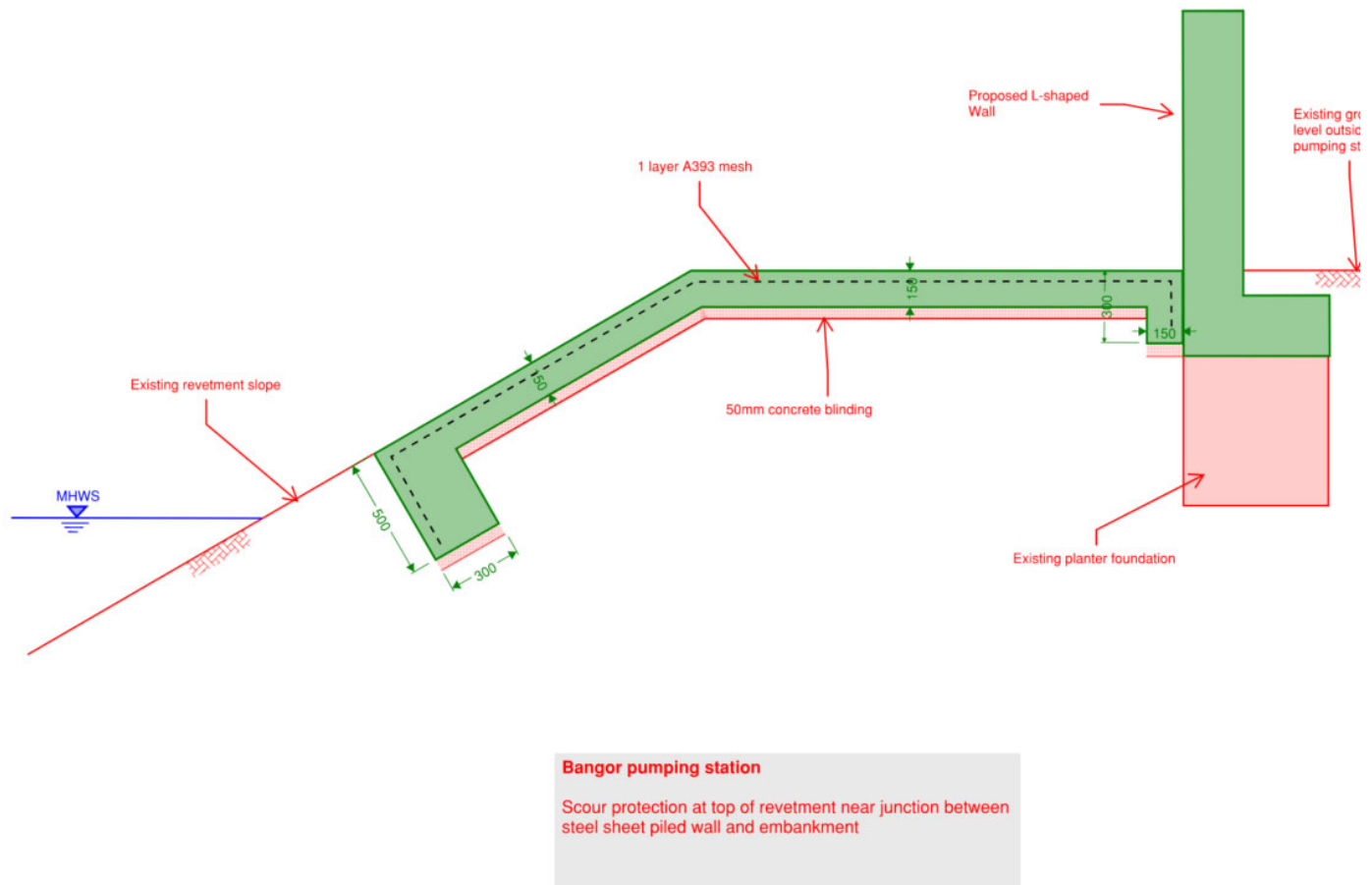


Section D-D: Embedded RC L Shaped Stem Wall



Section C-C: Embedded RC L Shaped Stem Wall

- 2) Revetment scour protection on the small corner between the new RC wall, the existing seawall and the flood bunt, please see document attached.



We understand that the scour protection works that we are proposing are landwards of the MHWS the way we have calculated it, please see attached plan and the email thread below for reference.

Hence, we would like you to clarify and confirm:

- Whether we need a marine license for the scour protection works, as we deem it to be way landwards of the MHWS
- Whether we require a flood risk activity permit for the scour protection works as it is near the seawall
- Whether we require a flood risk activity permit for the proposed RC L-shaped wall finishing at the flood bunt
- In the case we need the above, could you please let us know whether we could cover both Marine License and Flood Risk Activity Permits under the same license or do we need to apply for a Marine License and FRAPs separately?

We look forward to receiving your response.

Kind regards,

Anna A.

Anna Ntasiou

she/her

Senior Maritime Engineer | Infrastructure London

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From: Anna Ntasiou

Sent: Wednesday, June 19, 2024 10:02 AM

To: Marine Licensing <marinelicensing@cyfoethnaturiolcymru.gov.uk>

Cc: David Short <David.Short@arup.com>; Thomas, Joseph <joseph.thomas@cyfoethnaturiolcymru.gov.uk>

Subject: RE: Q24031 MHWS line in Bangor

Hi Pete,

Thank you very much for your response.

Kind regards,

Anna A.

Anna Ntasiou

she/her

Senior Maritime Engineer | Infrastructure London

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From: Marine Licensing <marinelicensing@cyfoethnaturiolcymru.gov.uk>

Sent: Monday, June 10, 2024 2:30 PM

To: Anna Ntasiou <Anna.Ntasiou@arup.com>

Cc: David Short <David.Short@arup.com>; Thomas, Joseph <joseph.thomas@cyfoethnaturiolcymru.gov.uk>

Subject: Q24031 MHWS line in Bangor

Good afternoon Anna

Thank you for your email. Joe is currently on leave so please find the reply below in his absence.

Previous advice has been given surrounding determining the location of MHWS, (I do note that there are trees growing near the top of the embankment which may suggest the top of the embankment in landward). However if you remain uncertain whether the location is seaward of mean high water springs we do advice that applicants err on the side of caution and treat an area

as being below MHWS if it is made wet from the normal ebb and flow of the tide or if there is evidence such as marking or growth which would suggest the tide has reached this point in the past.

Trail pits are not listed as band 1 therefore in most instances will require a band 2 licence, however on this occasion on the basis that it is a single trial pit and the location is on the revetment we would be satisfied to accept a band 1 application in this instance. There is information on our website surrounding the [band 1 process](#), I would remind you to that you will need to supply confirmation from Trinity House and Maritime and Coastguard Agency that the works don't pose a risk to navigation, as well as confirmation from the Welsh Archaeological Trust and Royal Commission on the Ancient and Historical Monuments of Wales that the works don't pose an impact on historic assets, relevant contact details are on our webpages. If concerns are raised by any of these stakeholders, please let us know as it may then not be possible to consider the application under the band 1 process.

Should you have any further queries please don't hesitate to contact us.

Kind regards

Pete

Peter Morrison MCIWEM C.WEM

Swyddog Arbenigol Arweiniol (Trwyddedu Morol) / Lead Specialist Officer (Marine Licensing)
Cyfarwyddiaeth Tystiolaeth, Polisi a Thrwyddedu | Evidence, Policy and Permitting Directorate
Rhif ffôn | Phone number 0300 065 3371
Rhagenwau Fe/Fo | Pronouns he/him



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From: Anna Ntasiou <Anna.Ntasiou@arup.com>

Sent: Monday, June 3, 2024 1:38 PM

To: Thomas, Joseph <joseph.thomas@cyfoethnaturiolcymru.gov.uk>

Cc: David Short <David.Short@arup.com>; Marine Licensing <marinelicensing@cyfoethnaturiolcymru.gov.uk>

Subject: RE: Q24031 MHWS line in Bangor

Rhybudd: Deilliodd yr e-bost hwn o'r tu allan i'r sefydliad. Peidiwch â chlicio dolenni, atodiadau agored nac sganio codau QR oni bai eich bod yn cydnabod yr anfonwr ac yn gwybod bod y cynnwys yn ddiogel.

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Hi Joe,

I hope you are well. We are looking into undertaking 2 trial pits marked in the attached plan and in the snapshot below. The purpose of these trial pits is to determine the foundation under the planter (left) and to determine whether there is a sheet pile wall with a concrete capping beam at the interface with the revetment (right).

Could you please confirm that the trial pit on the right side would require a Band 1 marine licence? If yes, can you please confirm what supporting documents would be required?



Kind regards,

Anna A.

Anna Ntasiou

she/her

Senior Maritime Engineer | Infrastructure London

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From: Anna Ntasiou

Sent: Wednesday, April 17, 2024 9:19 AM

To: Marine Licensing <marinelicensing@cyfoethnaturiolcymru.gov.uk>

Cc: David Short <David.Short@arup.com>

Subject: [pending]RE: Q24031 MHWS line in Bangor

Hi Joe,

Thank you for this.

Kind regards,

Anna A.

Anna Ntasiou

she/her

Senior Maritime Engineer | Infrastructure London

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From: Marine Licensing <marinelicensing@cyfoethnaturiolcymru.gov.uk>

Sent: Thursday, April 11, 2024 2:51 PM

To: Anna Ntasiou <Anna.Ntasiou@arup.com>

Cc: David Short <David.Short@arup.com>

Subject: RE: Q24031 MHWS line in Bangor

Good Afternoon Anna,

I haven't seen a full method statement of the works however I would assume a band 2 application would be required.

Thanks,

Joe

From: Anna Ntasiou <Anna.Ntasiou@arup.com>

Sent: Thursday, April 11, 2024 2:48 PM

To: Marine Licensing <marinelicensing@cyfoethnaturiolcymru.gov.uk>

Cc: David Short <David.Short@arup.com>

Subject: RE: Q24031 MHWS line in Bangor

Rhybudd: Deilliodd yr e-bost hwn o'r tu allan i'r sefydliad. Peidiwch â chlicio dolenni, atodiadau agored nac sganio codau QR oni bai eich bod yn cydnabod yr anfonwr ac yn gwybod bod y cynnwys yn ddiogel.

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Hi Joe,

Thank you for this. Is it then safer to assume that a marine license is required, given the uncertainty of the MHWS line proximity to the works and the progression of the MHWS line further landwards during storms? If so, would it be a Band 2 license, since it involves small coastal infill works?

Kind regards,

Anna A.

Anna Ntasiou

she/her

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From: Marine Licensing <marinelicensing@cyfoethnaturiolcymru.gov.uk>

Sent: Thursday, April 11, 2024 2:07 PM

To: Anna Ntasiou <Anna.Ntasiou@arup.com>

Cc: David Short <David.Short@arup.com>

Subject: RE: Q24031 MHWS line in Bangor

Good Morning Anna,

Thank for providing the evidence for where the MHWS line is. I have also had a look at satellite images which appears to show a strand line very near to where the works are taking place indicating the high water mark being above where you have indicated. See below.

Ultimately it is for you to ensure that you have the correct permissions in place prior to carrying out the works and if any works are taking place seaward of MHWS then a marine licence would be required.

Thanks,

Joe



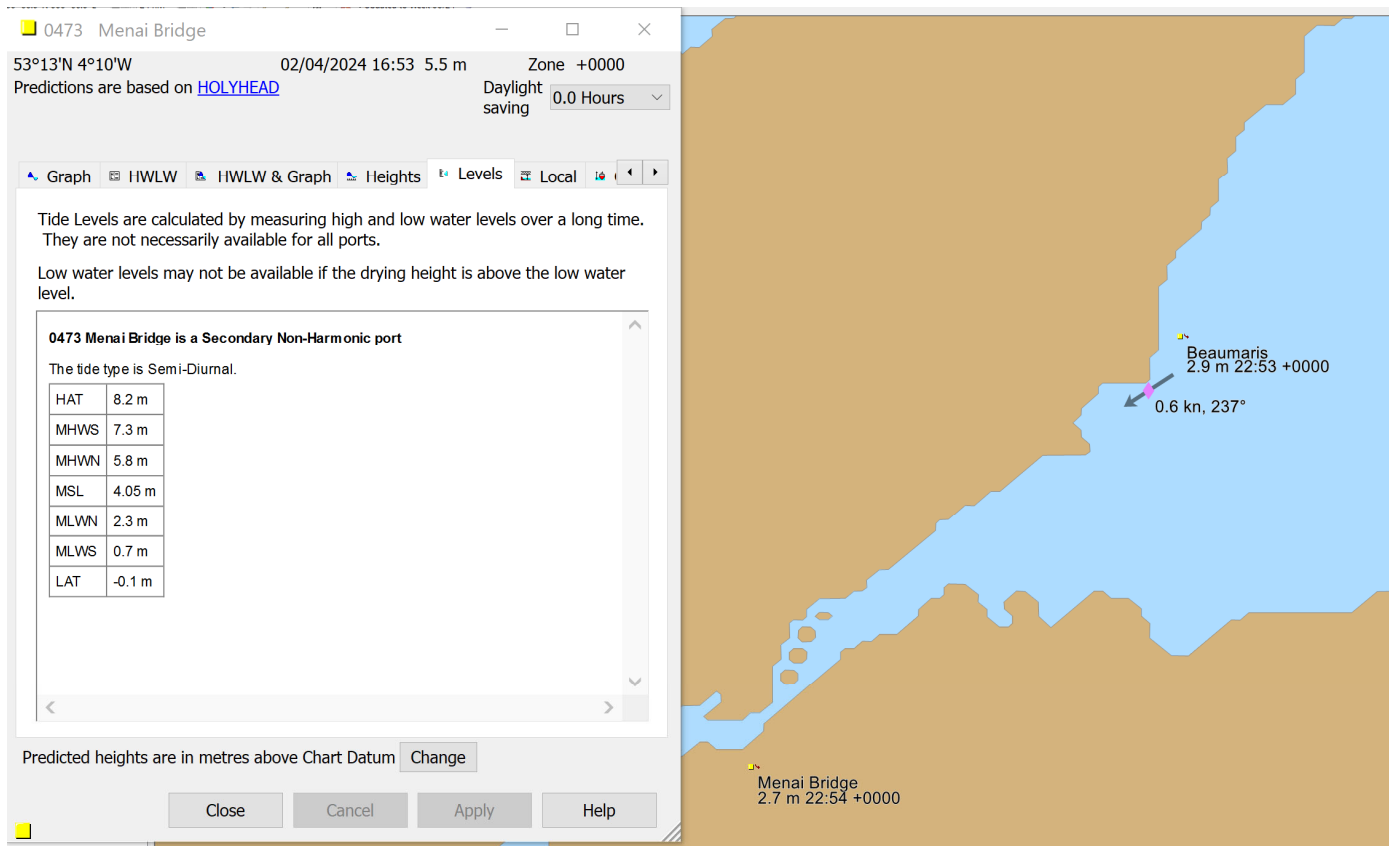
From: Anna Ntasiou <Anna.Ntasiou@arup.com>
Sent: Thursday, April 11, 2024 9:31 AM
To: Marine Licensing <marinelicensing@cyfoethnaturiolcymru.gov.uk>
Cc: David Short <David.Short@arup.com>
Subject: RE: Q24031 MHWS line in Bangor

Rhybudd: Deilliodd yr e-bost hwn o'r tu allan i'r sefydliad. Peidiwch â chlicio dolenni, atodiadau agored nac sganio codau QR oni bai eich bod yn cydnabod yr anfonwr ac yn gwybod bod y cynnwys yn ddiogel.

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Hi Joe,

Thank you for your response. I found the tidal levels for two nearby ports, **Menai Bridge** and **Beaumaris**, respectively. This is from a software called **UK Hydrographic Office Total Tide**. The tidal levels are shown in Chart Datum.



From the Bangor University website, I got information regarding the Ordnance datums in those two locations in relation to the Chart Datums, so that I convert the levels to Ordnance datum.

Tidal Predictions for MENAI BRIDGE

Depths are in metres relative to Chart Datum
Ordnance Datum Newlyn is +3.78 m
Time is in GMT [Hourly values](#)

Tidal Predictions for BEAUMARIS

Depths are in metres relative to Chart Datum
Ordnance Datum Newlyn is +4.00 m
Time is in GMT

JAN 2025								JAN 2025							
HIGH WATER				LOW WATER				HIGH WATER				LOW WATER			
Date	Time	Ht.	Time	Ht.	Date	Time	Ht.	Date	Time	Ht.	Time	Date	Time	Ht.	Time
1	1138	7.04	2357	6.81	0549	1.37	1815	1.32	1	1123	7.24	2345	7.16	0544	1.52
2		1217	7.16	0629	1.30	1857	1.19	2		1202	7.43	0624	1.40	1848	1.11
3	0038	6.84	1258	7.20	0710	1.30	1940	1.15	3	0026	7.24	1243	7.55	0705	1.33
4	0122	6.78	1341	7.15	0753	1.37	2025	1.20	4	0110	7.23	1328	7.56	0748	1.33
5	0208	6.63	1429	7.00	0839	1.50	2115	1.33	5	0157	7.12	1417	7.46	0834	1.41
6	0300	6.41	1523	6.77	0930	1.68	2209	1.52	6	0248	6.92	1512	7.25	0925	1.56
7	0358	6.17	1625	6.51	1027	1.89	2310	1.73	7	0347	6.69	1614	7.00	1021	1.75
8	0505	5.98	1736	6.29	1132	2.06			8	0453	6.49	1724	6.78	1125	1.93

The conversions show that :

- MHWS at Menai Bridge: +3.52m OD
- MHWS at Beaumaris : +3.6m OD

I then plotted the MHWS at Beaumaris at +3.6m OD (which is more conservative), at the existing topographic survey, please see attached document and snapshot. The MHWS line is shown in **red**, and the works will be in the area in **blue**.

From: Marine Licensing <marinelicensing@cyfoethnaturiolcymru.gov.uk>
Sent: Wednesday, April 10, 2024 2:00 PM
To: Anna Ntasiou <Anna.Ntasiou@arup.com>
Cc: David Short <David.Short@arup.com>
Subject: RE: Q24031 MHWS line in Bangor [Filed 10 Apr 2024 14:01]

Good afternoon Anna,

We do not define Mean High Water Springs, but ask applicants to provide evidence if the exact line is in question. Lines on OS maps can be used as a general guide but are not used definitively as MHWS moves so dramatically over time, particularly following storm events. One way to show MHWS is to use height data from the closest port and a ground level survey at the works site. MHWS for primary ports are available (along with conversion from local datum to AOD (above ordnance datum)) on the [National tidal predictions for UK and Irish Ports website](#). There may be more local figures commercially available for MHWS around Wales which could provide a closer height. These are of course fine to use.

If you have any other questions please respond via return email.

Kind Regards,

Joe

From: Anna Ntasiou <Anna.Ntasiou@arup.com>
Sent: Tuesday, April 9, 2024 5:26 PM
To: Marine Licensing <marinelicensing@cyfoethnaturiolcymru.gov.uk>
Cc: Thomas, Joseph <joseph.thomas@cyfoethnaturiolcymru.gov.uk>; David Short <David.Short@arup.com>
Subject: MHWS line in Bangor
Importance: High

Rhybudd: Deilliodd yr e-bost hwn o'r tu allan i'r sefydliad. Peidiwch â chlicio dolenni, atodiadau agored nac sganio codau QR oni bai eich bod yn cydnabod yr anfonwr ac yn gwybod bod y cynnwys yn ddiogel.

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Hello,

I am currently working on a coastal infill works design in Bangor. The location where the infill works will take place is shown in the red circle below, and is next to the existing sewage pumping station and the new seawall that has recently been installed by the Gwynedd Council.

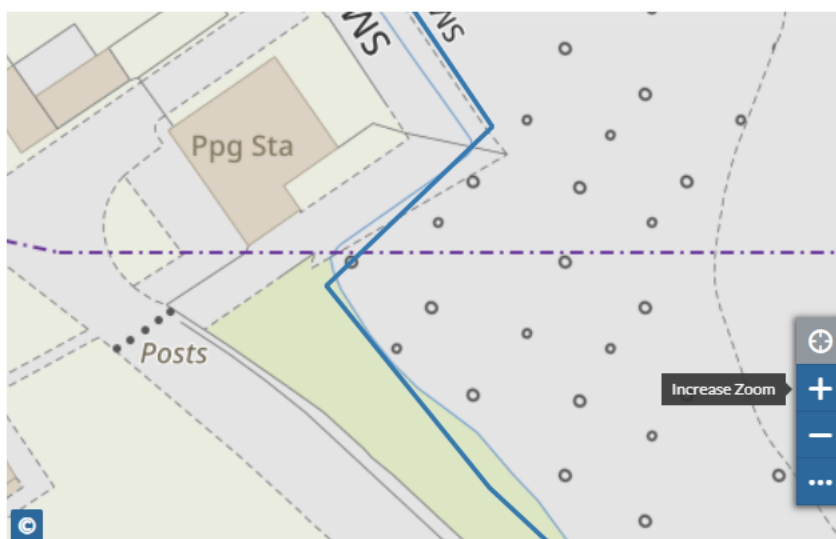


I have been trying to determine the MHWS line in relation to the works so as to have clarity on whether a marine license is required.

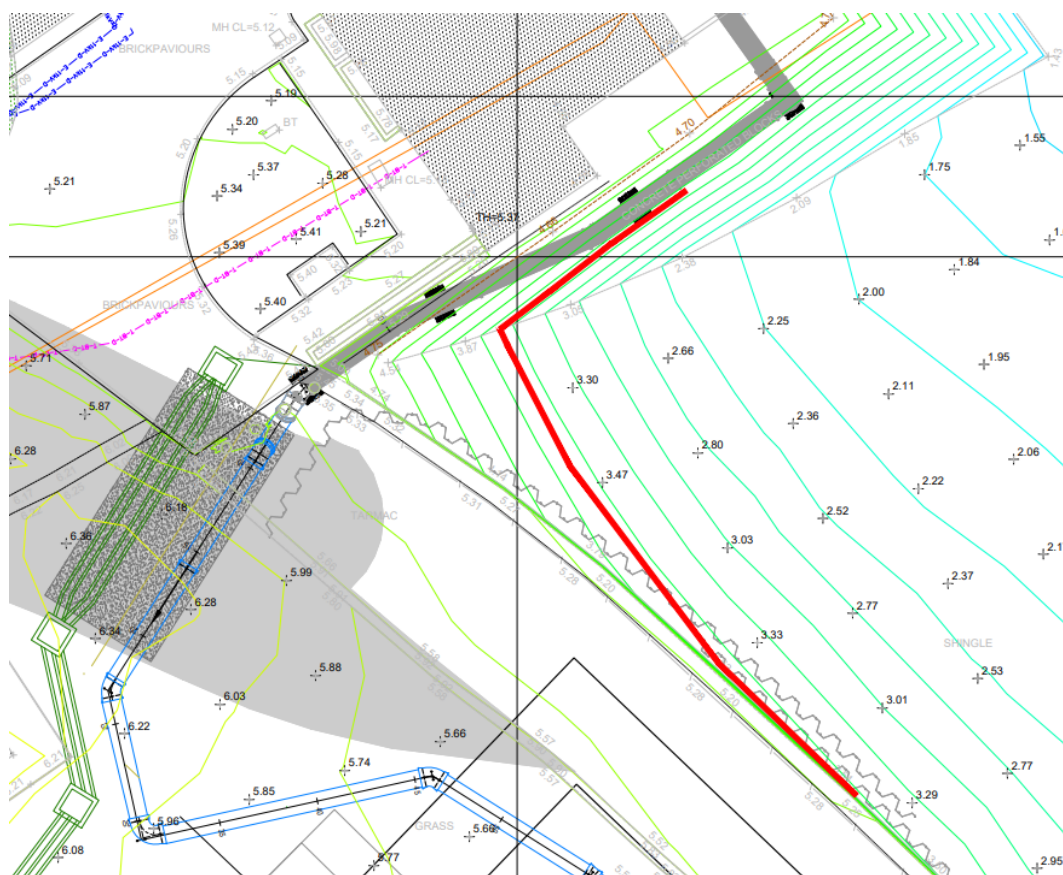
Currently, the Government of Wales website shows the MHWS line further seawards from the location of interest, please see snapshot from link below:

[WOM21 Wales High Water Mark | DataMapWales \(gov.wales\)](#)

WOM21 Wales High Water Ma



I have also found information on the MHWS tidal level from a nearby location, Beaumaris, which shows the MHWS line at +3.6m OD and I have plotted it against the existing topographic survey, please see red line in the snapshot below.



My understanding is that our works fall landwards of the MHWS lines and hence, a marine license is not required. Could you please advise on whether a marine license is needed as well as the type of marine license?

Kind regards,

Anna A.

Anna Ntasiou

she/her

Senior Maritime Engineer | Infrastructure London

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Ian Meyrick

From: Marine Area Advice and Management Team <marine.advice@cyfoethnaturiolcymru.gov.uk>
Sent: 19 March 2025 10:50
To: Anna Ntasiou
Cc: Ian Meyrick; David Short; Marine Area Advice and Management Team; Marine Licensing
Subject: RE: Q24031 MHWS line in Bangor

Hi Anna

You have summed up our conversation well, and I note that you have contacted the Marine Licence Team who will be able to address the Marine Licence queries you had

Cheer
Rowland

Rowland Sharp

Uwch Gynghorydd Morol / Senior Marine Advisor

Cyngor Morol Ardal a Rheoli / Marine Area Advice and Management Team

Rhif ffôn / Phone number 03000 655266



Croesewir gohebiaeth yn Gymraeg a byddwn yn ymateb yn Gymraeg, heb i hynny arwain at oedi.

Correspondence in Welsh is welcomed, and we will respond in Welsh without it leading to a delay.



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From: Anna Ntasiou <Anna.Ntasiou@arup.com>

Sent: 18 March 2025 13:54

To: Marine Licensing <marinelicensing@cyfoethnaturiolcymru.gov.uk>; Marine Area Advice and Management Team <marine.advice@cyfoethnaturiolcymru.gov.uk>

Cc: Ian Meyrick <Ian.Meyrick@arup.com>; David Short <David.Short@arup.com>

Subject: RE: Q24031 MHWS line in Bangor

Rhybudd: Deilliodd yr e-bost hwn o'r tu allan i'r sefydliad. Peidiwch â chlicio dolenni, atodiadau agored nac sganio codau QR oni bai eich bod yn cydnabod yr anfonwr ac yn gwybod bod y cynnwys yn ddiogel.

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Hi Rowland,

Thank you very much for our call last Friday. The conversation we had regarding the marine license of the proposed scour protection works was very useful. I have summarised our key conversation points below and please feel free to add or amend anything that I may have misheard/misunderstood:

1. The marine license for our coastal protection works is Band 2- I checked the list of works that falls under Band 1 category and it doesn't cover our works.
2. We will be required to undertake and submit a Water Framework Directive Assessment, as part of the supporting documentation for the marine license application- This is because the location of our works is nearby shellfish/mussel areas, which are very sensitive to water pollution. as well as sediment plumes. The shellfish are filter feeders, so if they detect excessive sediment plumes, they close off. The mussels can survive without food for 2-3 days, so if the works cause excessive sediment pluming and last more than 3 days, this can lead to death of mussels.
3. Useful information is to be found at Water Watch Wales website-this is usually information that the WFD consultant requires to complete their work.
4. We will also need to submit a Shadow Habitats Regulation Assessment- This is to assess any impact on birds, marine mammals, and mussels in the area of works. Our location is not within the SSI boundaries but within the SPA .
5. This Shadow Habitat Regulations Assessment is submitted as part of the marine license application and will be used by NRW to conduct their own HRA to assess any risk to nearby habitats.
6. No FRAP will be required as this is covered by the Marine License.
7. The Contractor must prepare a Method Statement with details of how the works will be undertaken. This should include the times of the day that the works will be undertaken (preferably daytime as some species come out at night), the tide stage (preferably at low tide to avoid disturbance) etc
8. The Contractor must also submit a CEMP (Construction Environmental Management Plan) to demonstrate how they will prevent water pollution, sediment plumes (as the rock contains sediment/dust), non-native invasive species (especially if rock is transferred from a different area) etc
9. No coastal issues are expected to be created as our rock apron will not interfere with water or sediment movement.
10. Another issue is to consider any soil contamination if we dig in that area as part of our rock revetment works. I have informed Rowland about our GI, and he advised we submit that information as well with our marine license package.

On a separate note, I informed you that the pipe designer has obtained marine license recently and I asked whether we could coordinate with them to amend the license. Your advice was to avoid this as this will complicate things. However, you suggested we look into the NRW Marine Portal and find the pipe marine license application and supporting documentation, with license No CML2427, as a check of the required documentation.

You have also advised we allow for a buffer in the marine license duration to account for any delays but to specify clearly how many days it will take to install the rock apron as well, as this will help in proving that certain issues such as noise, sedimentation etc are only temporary and won't affect the habitats much.

@Marine Licensing, could you please provide us with a case officer as a point of contact for our marine license application from now onwards? We are currently in the process of completing our design and starting work on the WFD assessment and Shadow HRA based on Rowland's guidance and we would

therefore like to arrange a pre-application consultation meeting with our case officer to confirm the license application requirements as well.

Kind regards,

Anna A.

Anna Ntasiou

she/her/hers

Senior Engineer| Coastal & Civil Engineering

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From: Anna Ntasiou <Anna.Ntasiou@arup.com>

Sent: 13 March 2025 14:02

To: Marine Licensing <marinelicensing@cyfoethnaturiolcymru.gov.uk>

Cc: Marine Area Advice and Management Team <marine.advice@cyfoethnaturiolcymru.gov.uk>

Subject: RE: Q24031 MHWS line in Bangor [Filed 13 Mar 2025 14:02]

Hi Jack,

Thank you very much for this. I look forward to Rowland's response.

Kind regards,

Anna A.

Anna Ntasiou

she/her/hers

Senior Engineer

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8 Fitzroy Street, London, W1T 4BJ

United Kingdom

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From: Marine Licensing <marinelicensing@cyfoethnaturiolcymru.gov.uk>

Sent: 13 March 2025 12:12

To: Anna Ntasiou <Anna.Ntasiou@arup.com>

Cc: Marine Area Advice and Management Team <marine.advice@cyfoethnaturiolcymru.gov.uk>

Subject: Q24031 MHWS line in Bangor

Good afternoon Anna,

Apologies that you've not heard back. It looks as though this request was passed on to the Industry and Waste Team however, the Marine Area Advice Team would be more suited to deal with this request. I've been in contact with Rowland Sharp and he is going to review the DAS form you've submitted and get back to you. For reference, the Marine Area Advice Team can be contacted on marine.advice@cyfoethnaturiolcymru.gov.uk.

Kind regards,

Jack

Swyddog Trwyddedu Morol / Marine Licensing Officer

Cyfarwyddiaeth Tystiolaeth, Polisi a Thrwyddedu | Evidence, Policy and Permitting Directorate

Croesewir gohebiaeth yn Gymraeg a byddwn yn ymateb yn Gymraeg, heb i hynny arwain at oedi.

Correspondence in Welsh is welcomed, and we will respond in Welsh without it leading to a delay.



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From: Anna Ntasiou <Anna.Ntasiou@arup.com>

Sent: 12 March 2025 12:13

To: Marine Licensing <marinelicensing@cyfoethnaturiolcymru.gov.uk>

Cc: Permit Receipt <permitreceiptcentre@cyfoethnaturiolcymru.gov.uk>; Thomas, Joseph <joseph.thomas@cyfoethnaturiolcymru.gov.uk>

Subject: RE: Q24031 MHWS line in Bangor

Rhybudd: Deilliodd yr e-bost hwn o'r tu allan i'r sefydliad. Peidiwch â chlicio dolenni, atodiadau agored nac sganio codau QR oni bai eich bod yn cydnabod yr anfonwr ac yn gwybod bod y cynnwys yn ddiogel.

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Hello,

I am writing to you regarding the pre-application consultation request I submitted via the NRW portal on the 24th of February, about a new marine license application for the proposed coastal protection works in Bangor. Could you please let me know whether I can expect to arrange a pre-application consultation meeting with you to discuss the marine license requirements?

Kind regards,

Anna A.

Anna Ntasiou

she/her/hers

Senior Engineer

Arup

8 Fitzroy Street, London, W1T 4BJ

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From: Marine Licensing <marinelicensing@cyfoethnaturiolcymru.gov.uk>

Sent: 21 February 2025 15:21

To: Anna Ntasiou <Anna.Ntasiou@arup.com>

Subject: RE: Q24031 MHWS line in Bangor

Prynhawn da Anna

Thank you for your email, we hope you're doing well too.

Where a marine licence is required this may be done as either a Band 1, a Band 2, or a Band 3 application. The type of application used is dependent upon the type and scale all the proposed works. As it is applicants who have the broadest view of any proposed project, we advise that it is they who review the advice and guidance on the website and decide on which application process to use. Work assessed as low risk activities are called [Band 1 activities](#). A list of works eligible for Band 1 applications is available on our website. Licences for these activities can be issued for a maximum duration of 12 months. If your work will take longer than 12 months, you may need to apply for a [Band 2 licence instead](#). Additionally, if the work has a total cost of over £1 million, you may need to apply for a Band 3 licence.

Our online guidance also includes information on supplementary information needed to accompany applications and how to work through the application form.

We also offer pre-application advice service (our [Discretionary Advice Service \(DAS\)](#)), which can help to provide advice on the environmental considerations of your work, the assessments that you should have in place etc. to ensure that your application is as robust as possible prior to submission.

Kind regards,

Marine Licensing Team

Cyfarwyddiaeth Tystiolaeth, Polisi a Thrwyddedu / Evidence, Policy and Permitting Directorate

Croesewir gohebiaeth yn Gymraeg a byddwn yn ymateb yn Gymraeg, heb i hynny arwain at oedi.

Correspondence in Welsh is welcomed, and we will respond in Welsh without it leading to a delay.



From: Anna Ntasiou <Anna.Ntasiou@arup.com>

Sent: 21 February 2025 12:29

To: Marine Licensing <marinelicensing@cyfoethnaturiolcymru.gov.uk>

Cc: Thomas, Joseph <joseph.thomas@cyfoethnaturiolcymru.gov.uk>; David Short

<David.Short@arup.com>; Ian Meyrick <Ian.Meyrick@arup.com>; Anna Grieve <anna.grieve@arup.com>

Subject: RE: Q24031 MHWS line in Bangor

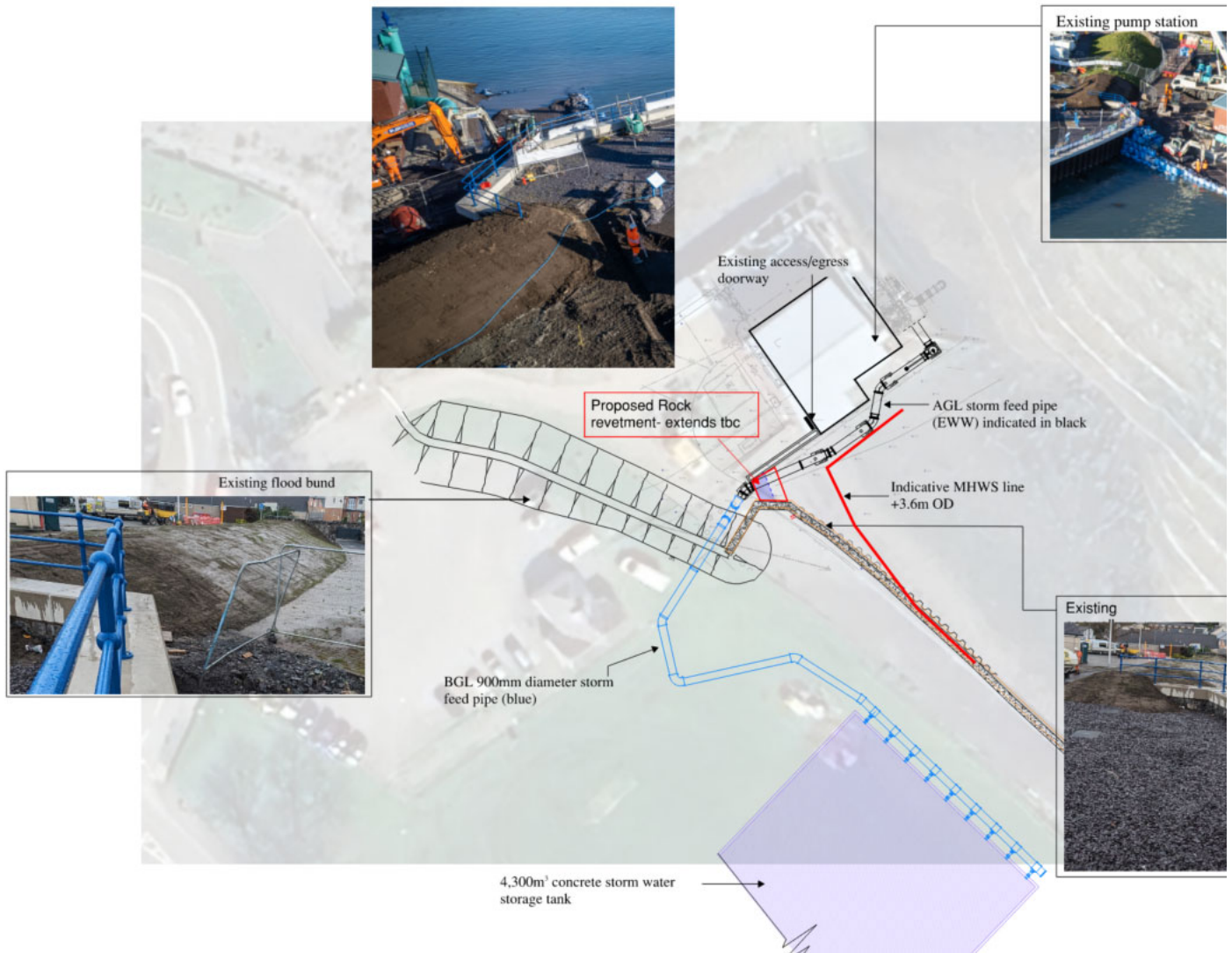
Rhybudd: Deilliodd yr e-bost hwn o'r tu allan i'r sefydliad. Peidiwch â chlicio dolenni, atodiadau agored nac sganio codau QR oni bai eich bod yn cydnabod yr anfonwr ac yn gwybod bod y cynnwys yn ddiogel.

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Dear Jack and Joe,

I hope you are both well and wishing you a happy and prosperous 2025 ahead. I am contacting you with regards to the coastal infill works project on Bangor, for which I have been seeking your guidance during the past months, please see email thread below.

The scheme has now been updated and what we propose as coastal erosion works, is a rock revetment (see indicative example on the photo below) located at the corner between the existing seawall and the existing revetment around the SPS, please see snapshot below. The extent of the revetment on the seaward side will be confirmed at a later stage. Previously, I had sought your confirmation regarding the location of the MHWS. I had calculated it by using publicly available sources, I had also looked at the NRW website [WOM21 Wales High Water Mark | DataMapWales \(gov.wales\)](#) and I had marked the MHWS line at +3.6m OD as per the snapshot below, which denoted that our works are landwards of the MHWS line and hence, no marine license would be required.



However, from drone photos that were taken recently on site, it appears that the MHWS line reaches the top of the corner, please see photo below. This aligns with what Joe had told me (please see email thread below) about the google earth images showing the MHWS line further landwards from what my plan sketch was indicating.



Hence, my understanding is that we will require to obtain a marine license for the rock revetment works we propose. Therefore, we would like to have a pre-application consultation meeting with you, to confirm :

- The type of marine license we need-My understanding is that it is a Band 2, but we would like your confirmation on this
- The supporting documentation and any other assessments that may be required as part of the marine license application submission.

Could you please let us know when you could be available to discuss the above, so that I can send the necessary Teams invite?

Thank you in advance for your help.

Kind regards,

Anna A.

Anna Ntasiou

she/her

Senior Maritime Engineer | Infrastructure London

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From: Marine Licensing <marinelicensing@cyfoethnaturiolcymru.gov.uk>

Sent: 08 August 2024 12:41

To: Anna Ntasiou <Anna.Ntasiou@arup.com>

Cc: David Short <David.Short@arup.com>

Subject: RE: Q24031 MHWS line in Bangor

Good afternoon Anna,

If you are confident that the works areas for both the scour protection and new wall are landward of MHWS, then they do not fall within the marine licensable area and therefore, a marine licence would not be required for these works.

In order to determine whether a FRAP is required, you will need to contact the FRAP team at floodpermitting.northmid@naturalresourceswales.gov.uk, as this is outside of our jurisdiction.

If you have any further questions, please don't hesitate to contact us.

Kind regards,

Jack

Swyddog Trwyddedu Morol / Marine Licensing Officer

Cyfarwyddiaeth Tystiolaeth, Polisi a Thrwyddedu | Evidence, Policy and Permitting Directorate

Croesewir gohebiaeth yn Gymraeg a byddwn yn ymateb yn Gymraeg, heb i hynny arwain at oedi.

Correspondence in Welsh is welcomed, and we will respond in Welsh without it leading to a delay.



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From: Anna Ntasiou <Anna.Ntasiou@arup.com>

Sent: Wednesday, August 7, 2024 11:57 AM

To: Marine Licensing <marinelicensing@cyfoethnaturiolcymru.gov.uk>

Cc: David Short <David.Short@arup.com>; Thomas, Joseph <joseph.thomas@cyfoethnaturiolcymru.gov.uk>

Subject: RE: Q24031 MHWS line in Bangor

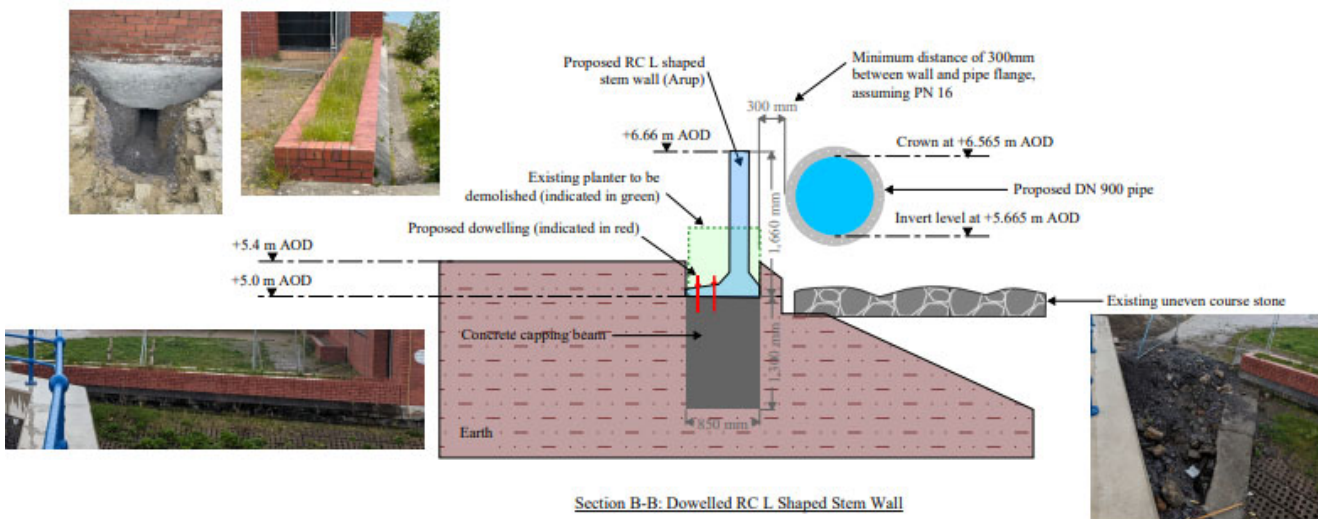
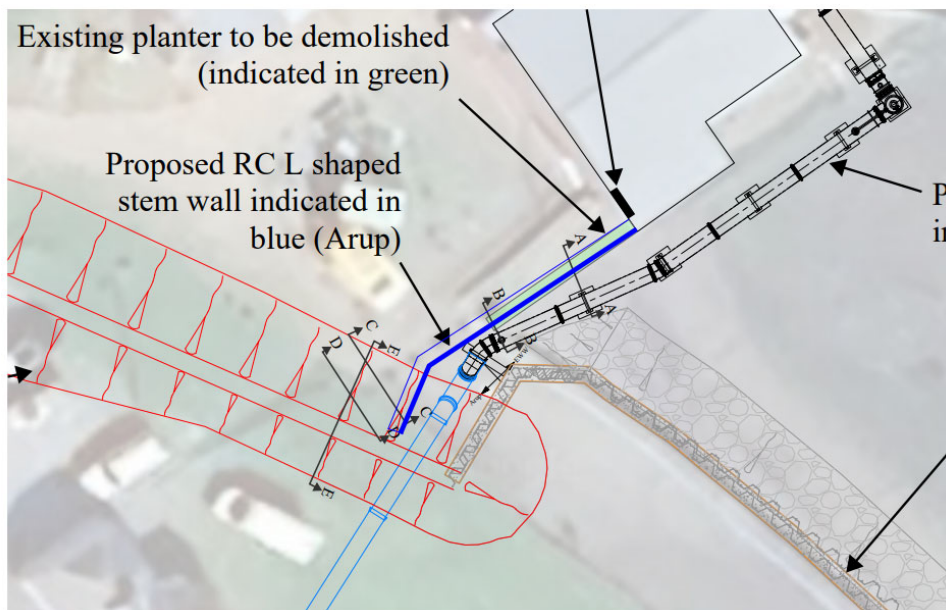
Rhybudd: Deilliodd yr e-bost hwn o'r tu allan i'r sefydliad. Peidiwch â chlicio dolenni, atodiadau agored nac sganio codau QR oni bai eich bod yn cydnabod yr anfonwr ac yn gwybod bod y cynnwys yn ddiogel.

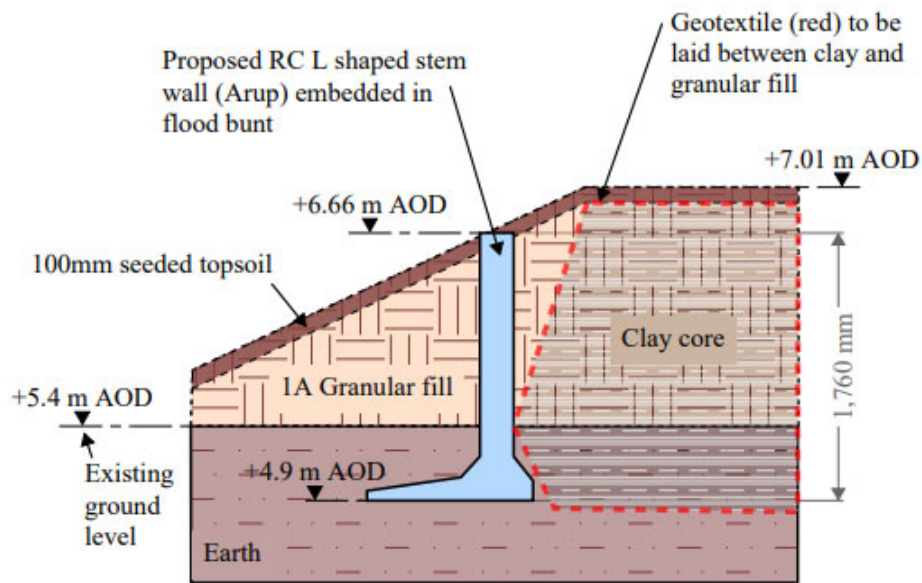
100

Hi Joe and Pete,

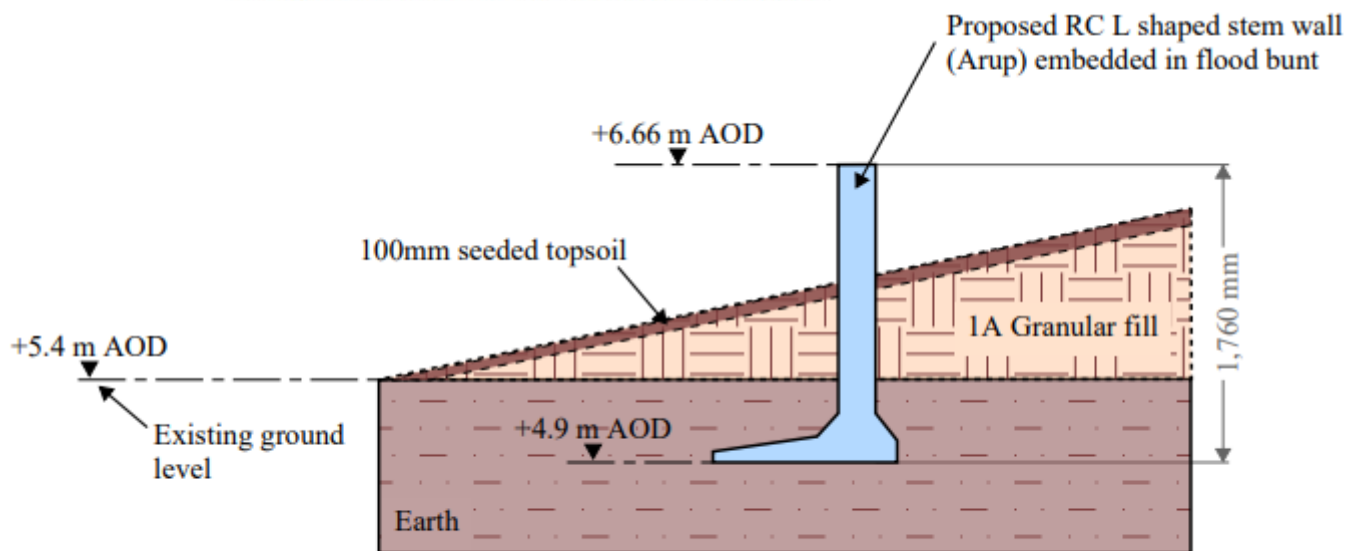
I am writing to you regarding the Bangor project that I had contacted you few months ago, about some marine licensing requirement queries that we have. As part of the coastal infill works that we have been requested to design in the small area between the SPS station, the existing seawall and the flood bunt, we are now proposing the below:

- 1) Proposed RC L-shaped wall on the landwards side of the existing revetment. This wall will tie into the existing flood bunt- Please see snapshots below of the Work in Progress Draft sketches we currently have.



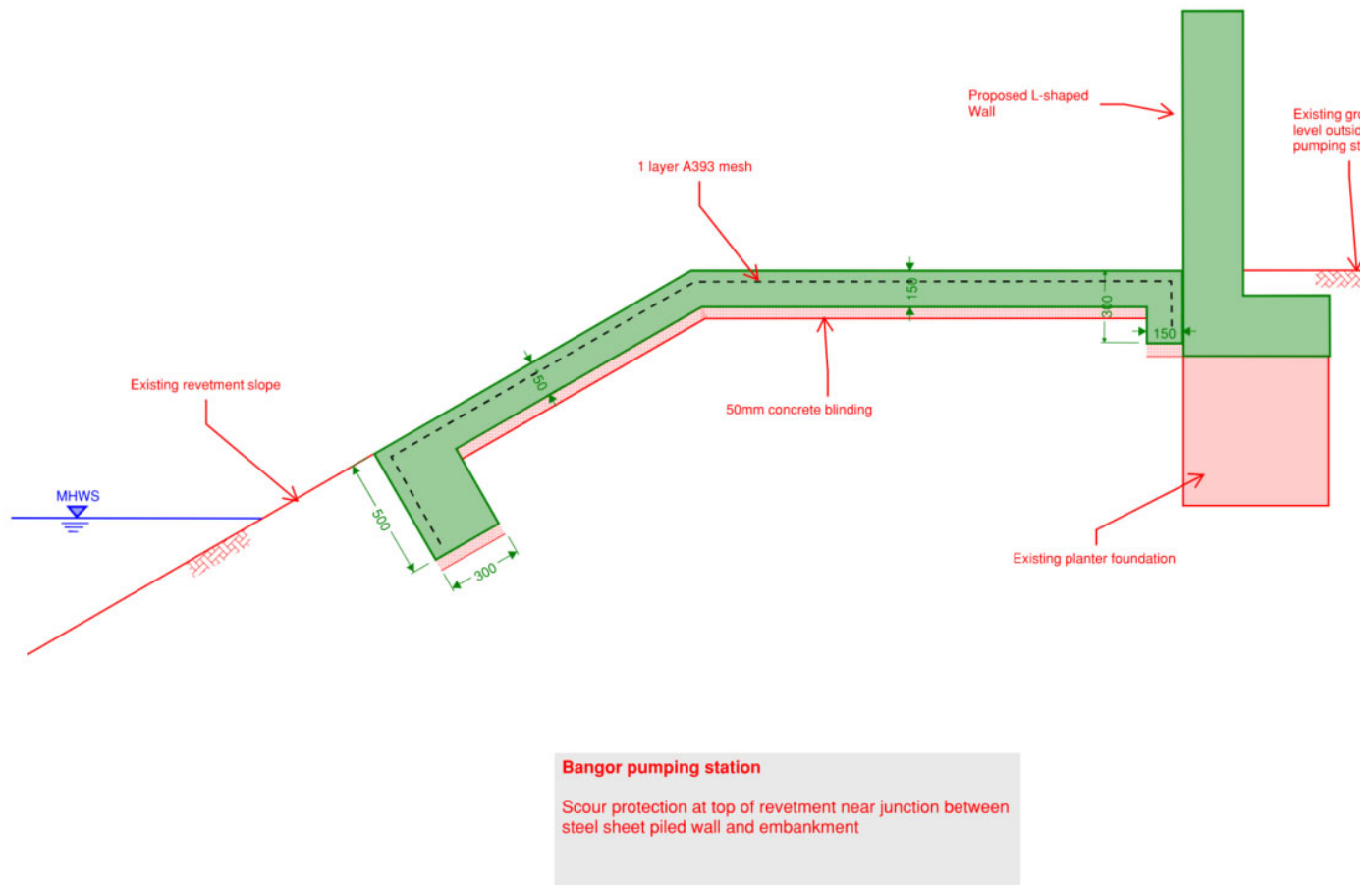


Section D-D: Embedded RC L Shaped Stem Wall



Section C-C: Embedded RC L Shaped Stem Wall

- 2) Revetment scour protection on the small corner between the new RC wall, the existing seawall and the flood bunt, please see document attached.



We understand that the scour protection works that we are proposing are landwards of the MHWS the way we have calculated it, please see attached plan and the email thread below for reference.

Hence, we would like you to clarify and confirm:

- Whether we need a marine license for the scour protection works, as we deem it to be way landwards of the MHWS
- Whether we require a flood risk activity permit for the scour protection works as it is near the seawall
- Whether we require a flood risk activity permit for the proposed RC L-shaped wall finishing at the flood bunt
- In the case we need the above, could you please let us know whether we could cover both Marine License and Flood Risk Activity Permits under the same license or do we need to apply for a Marine License and FRAPs separately?

We look forward to receiving your response.

Kind regards,

Anna A.

Anna Ntasiou

she/her

Senior Maritime Engineer | Infrastructure London

Msc Meng CEng MICE

Civil & Coastal Engineering

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8 Fitzroy Street
London W1T 4BQ, England
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From: Anna Ntasiou

Sent: Wednesday, June 19, 2024 10:02 AM

To: Marine Licensing <marinelicensing@cyfoethnaturiolcymru.gov.uk>

Cc: David Short <David.Short@arup.com>; Thomas, Joseph <joseph.thomas@cyfoethnaturiolcymru.gov.uk>

Subject: RE: Q24031 MHWS line in Bangor

Hi Pete,

Thank you very much for your response.

Kind regards,

Anna A.

Anna Ntasiou

she/her

Senior Maritime Engineer | Infrastructure London

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London W1T 4BQ, England
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From: Marine Licensing <marinelicensing@cyfoethnaturiolcymru.gov.uk>

Sent: Monday, June 10, 2024 2:30 PM

To: Anna Ntasiou <Anna.Ntasiou@arup.com>

Cc: David Short <David.Short@arup.com>; Thomas, Joseph <joseph.thomas@cyfoethnaturiolcymru.gov.uk>

Subject: Q24031 MHWS line in Bangor

Good afternoon Anna

Thank you for your email. Joe is currently on leave so please find the reply below in his absence.

Previous advice has been given surrounding determining the location of MHWS, (I do note that there are trees growing near the top of the embankment which may suggest the top of the embankment in landward). However if you remain uncertain whether the location is seaward of mean high water springs we do advice that applicants err on the side of caution and treat an area

as being below MHWS if it is made wet from the normal ebb and flow of the tide or if there is evidence such as marking or growth which would suggest the tide has reached this point in the past.

Trail pits are not listed as band 1 therefore in most instances will require a band 2 licence, however on this occasion on the basis that it is a single trial pit and the location is on the revetment we would be satisfied to accept a band 1 application in this instance. There is information on our website surrounding the [band 1 process](#), I would remind you to that you will need to supply confirmation from Trinity House and Maritime and Coastguard Agency that the works don't pose a risk to navigation, as well as confirmation from the Welsh Archaeological Trust and Royal Commission on the Ancient and Historical Monuments of Wales that the works don't pose an impact on historic assets, relevant contact details are on our webpages. If concerns are raised by any of these stakeholders, please let us know as it may then not be possible to consider the application under the band 1 process.

Should you have any further queries please don't hesitate to contact us.

Kind regards

Pete

Peter Morrison MCIWEM C.WEM

Swyddog Arbenigol Arweiniol (Trwyddedu Morol) / Lead Specialist Officer (Marine Licensing)
Cyfarwyddiaeth Tystiolaeth, Polisi a Thrwyddedu | Evidence, Policy and Permitting Directorate
Rhif ffôn | Phone number 0300 065 3371
Rhagenwau Fe/Fo | Pronouns he/him



Croesewir gohebiaeth yn Gymraeg a byddwn yn ymateb yn Gymraeg, heb i hynny arwain at oedi.
Correspondence in Welsh is welcomed, and we will respond in Welsh without it leading to a delay.



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thriving together**



**cyfoethnaturiol.cymru
naturalresources.wales**

From: Anna Ntasiou <Anna.Ntasiou@arup.com>

Sent: Monday, June 3, 2024 1:38 PM

To: Thomas, Joseph <joseph.thomas@cyfoethnaturiolcymru.gov.uk>

Cc: David Short <David.Short@arup.com>; Marine Licensing <marinelicensing@cyfoethnaturiolcymru.gov.uk>

Subject: RE: Q24031 MHWS line in Bangor

Rhybudd: Deilliodd yr e-bost hwn o'r tu allan i'r sefydliad. Peidiwch â chlicio dolenni, atodiadau agored nac sganio codau QR oni bai eich bod yn cydnabod yr anfonwr ac yn gwybod bod y cynnwys yn ddiogel.

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Hi Joe,

I hope you are well. We are looking into undertaking 2 trial pits marked in the attached plan and in the snapshot below. The purpose of these trial pits is to determine the foundation under the planter (left) and to determine whether there is a sheet pile wall with a concrete capping beam at the interface with the revetment (right).

Could you please confirm that the trial pit on the right side would require a Band 1 marine licence? If yes, can you please confirm what supporting documents would be required?



Kind regards,

Anna A.

Anna Ntasiou

she/her

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From: Anna Ntasiou

Sent: Wednesday, April 17, 2024 9:19 AM

To: Marine Licensing <marinelicensing@cyfoethnaturiolcymru.gov.uk>

Cc: David Short <David.Short@arup.com>

Subject: [pending]RE: Q24031 MHWS line in Bangor

Hi Joe,

Thank you for this.

Kind regards,

Anna A.

Anna Ntasiou

she/her

Senior Maritime Engineer | Infrastructure London

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From: Marine Licensing <marinelicensing@cyfoethnaturiolcymru.gov.uk>

Sent: Thursday, April 11, 2024 2:51 PM

To: Anna Ntasiou <Anna.Ntasiou@arup.com>

Cc: David Short <David.Short@arup.com>

Subject: RE: Q24031 MHWS line in Bangor

Good Afternoon Anna,

I haven't seen a full method statement of the works however I would assume a band 2 application would be required.

Thanks,

Joe

From: Anna Ntasiou <Anna.Ntasiou@arup.com>

Sent: Thursday, April 11, 2024 2:48 PM

To: Marine Licensing <marinelicensing@cyfoethnaturiolcymru.gov.uk>

Cc: David Short <David.Short@arup.com>

Subject: RE: Q24031 MHWS line in Bangor

Rhybudd: Deilliodd yr e-bost hwn o'r tu allan i'r sefydliad. Peidiwch â chlicio dolenni, atodiadau agored nac sganio codau QR oni bai eich bod yn cydnabod yr anfonwr ac yn gwybod bod y cynnwys yn ddiogel.

Caution: This email originated from outside of the organisation. Do not click links, open attachments or scan QR Codes unless you recognise the sender and know the content is safe.

Hi Joe,

Thank you for this. Is it then safer to assume that a marine license is required, given the uncertainty of the MHWS line proximity to the works and the progression of the MHWS line further landwards during storms? If so, would it be a Band 2 license, since it involves small coastal infill works?

Kind regards,

Anna A.

Anna Ntasiou

she/her

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From: Marine Licensing <marinelicensing@cyfoethnaturiolcymru.gov.uk>

Sent: Thursday, April 11, 2024 2:07 PM

To: Anna Ntasiou <Anna.Ntasiou@arup.com>

Cc: David Short <David.Short@arup.com>

Subject: RE: Q24031 MHWS line in Bangor

Good Morning Anna,

Thank for providing the evidence for where the MHWS line is. I have also had a look at satellite images which appears to show a strand line very near to where the works are taking place indicating the high water mark being above where you have indicated. See below.

Ultimately it is for you to ensure that you have the correct permissions in place prior to carrying out the works and if any works are taking place seaward of MHWS then a marine licence would be required.

Thanks,

Joe



From: Anna Ntasiou <Anna.Ntasiou@arup.com>

Sent: Thursday, April 11, 2024 9:31 AM

To: Marine Licensing <marinelicensing@cyfoethnaturiolcymru.gov.uk>

Cc: David Short <David.Short@arup.com>

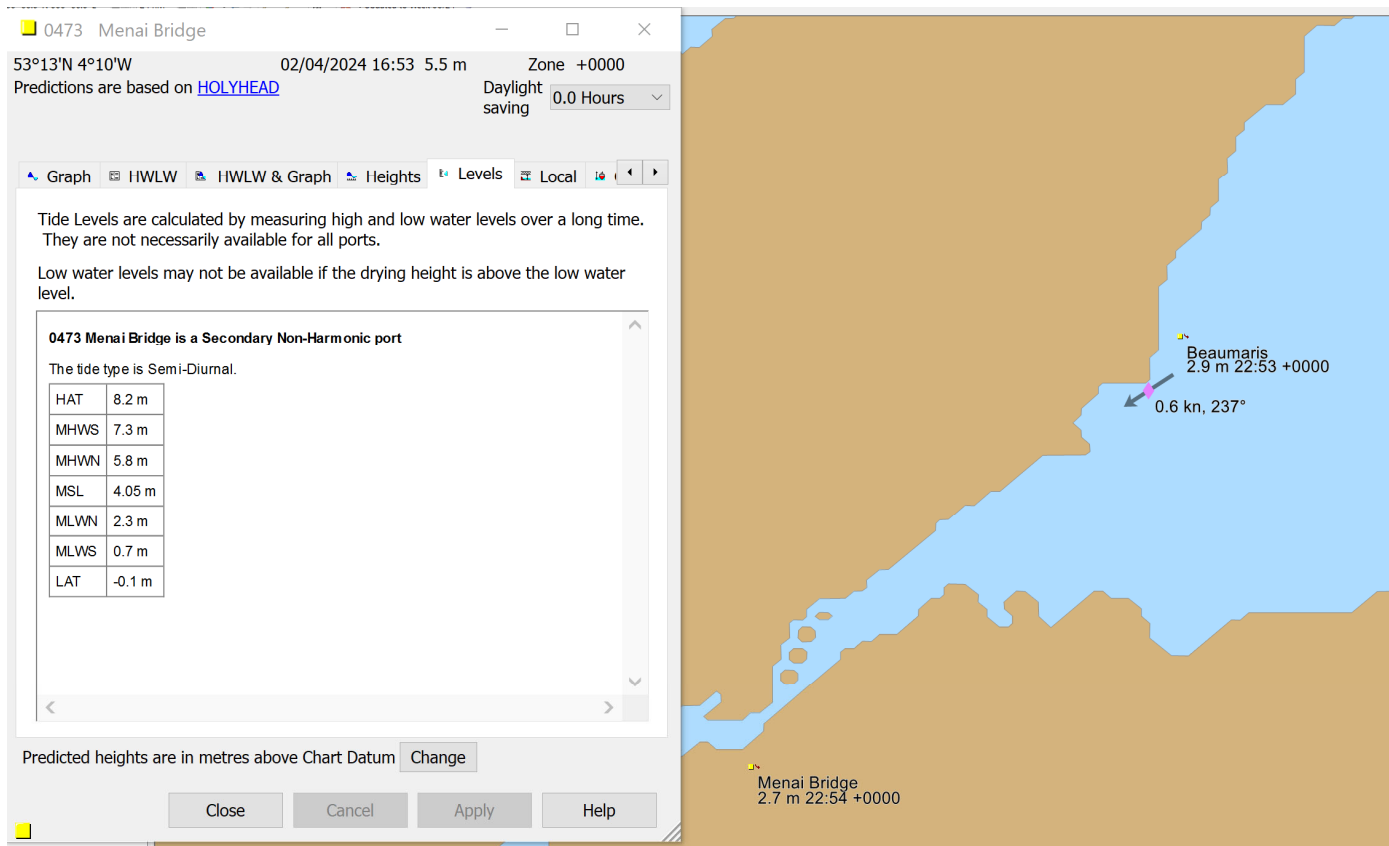
Subject: RE: Q24031 MHWS line in Bangor

Rhybudd: Deilliodd yr e-bost hwn o'r tu allan i'r sefydliad. Peidiwch â chlicio dolenni, atodiadau agored nac sganio codau QR oni bai eich bod yn cydnabod yr anfonwr ac yn gwybod bod y cynnwys yn ddiogel.

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Hi Joe,

Thank you for your response. I found the tidal levels for two nearby ports, **Menai Bridge** and **Beaumaris**, respectively. This is from a software called **UK Hydrographic Office Total Tide**. The tidal levels are shown in Chart Datum.



From the Bangor University website, I got information regarding the Ordnance datums in those two locations in relation to the Chart Datums, so that I convert the levels to Ordnance datum.

Tidal Predictions for MENAI BRIDGE

Depths are in metres relative to Chart Datum
Ordnance Datum Newlyn is +3.78 m
Time is in GMT [Hourly values](#)

Tidal Predictions for BEAUMARIS

Depths are in metres relative to Chart Datum
Ordnance Datum Newlyn is +4.00 m
Time is in GMT

JAN 2025								JAN 2025							
HIGH WATER				LOW WATER				HIGH WATER				LOW WATER			
Date	Time	Ht.	Time	Ht.	Date	Time	Ht.	Date	Time	Ht.	Time	Date	Time	Ht.	Time
1	1138	7.04	2357	6.81	0549	1.37	1815	1.32	1	1123	7.24	2345	7.16	0544	1.52
2		1217	7.16	0629	1.30	1857	1.19	2		1202	7.43	0624	1.40	1848	1.11
3	0038	6.84	1258	7.20	0710	1.30	1940	1.15	3	0026	7.24	1243	7.55	0705	1.33
4	0122	6.78	1341	7.15	0753	1.37	2025	1.20	4	0110	7.23	1328	7.56	0748	1.33
5	0208	6.63	1429	7.00	0839	1.50	2115	1.33	5	0157	7.12	1417	7.46	0834	1.41
6	0300	6.41	1523	6.77	0930	1.68	2209	1.52	6	0248	6.92	1512	7.25	0925	1.56
7	0358	6.17	1625	6.51	1027	1.89	2310	1.73	7	0347	6.69	1614	7.00	1021	1.75
8	0505	5.98	1736	6.29	1132	2.06			8	0453	6.49	1724	6.78	1125	1.93

The conversions show that :

- MHWS at Menai Bridge: +3.52m OD
- MHWS at Beaumaris : +3.6m OD

I then plotted the MHWS at Beaumaris at +3.6m OD (which is more conservative), at the existing topographic survey, please see attached document and snapshot. The MHWS line is shown in **red**, and the works will be in the area in **blue**.

From: Marine Licensing <marinelicensing@cyfoethnaturiolcymru.gov.uk>
Sent: Wednesday, April 10, 2024 2:00 PM
To: Anna Ntasiou <Anna.Ntasiou@arup.com>
Cc: David Short <David.Short@arup.com>
Subject: RE: Q24031 MHWS line in Bangor [Filed 10 Apr 2024 14:01]

Good afternoon Anna,

We do not define Mean High Water Springs, but ask applicants to provide evidence if the exact line is in question. Lines on OS maps can be used as a general guide but are not used definitively as MHWS moves so dramatically over time, particularly following storm events. One way to show MHWS is to use height data from the closest port and a ground level survey at the works site. MHWS for primary ports are available (along with conversion from local datum to AOD (above ordnance datum)) on the [National tidal predictions for UK and Irish Ports website](#). There may be more local figures commercially available for MHWS around Wales which could provide a closer height. These are of course fine to use.

If you have any other questions please respond via return email.

Kind Regards,

Joe

From: Anna Ntasiou <Anna.Ntasiou@arup.com>
Sent: Tuesday, April 9, 2024 5:26 PM
To: Marine Licensing <marinelicensing@cyfoethnaturiolcymru.gov.uk>
Cc: Thomas, Joseph <joseph.thomas@cyfoethnaturiolcymru.gov.uk>; David Short <David.Short@arup.com>
Subject: MHWS line in Bangor
Importance: High

Rhybudd: Deilliodd yr e-bost hwn o'r tu allan i'r sefydliad. Peidiwch â chlicio dolenni, atodiadau agored nac sganio codau QR oni bai eich bod yn cydnabod yr anfonwr ac yn gwybod bod y cynnwys yn ddiogel.

Caution: This email originated from outside of the organisation. Do not click links, open attachments or scan QR Codes unless you recognise the sender and know the content is safe.

Hello,

I am currently working on a coastal infill works design in Bangor. The location where the infill works will take place is shown in the red circle below, and is next to the existing sewage pumping station and the new seawall that has recently been installed by the Gwynedd Council.

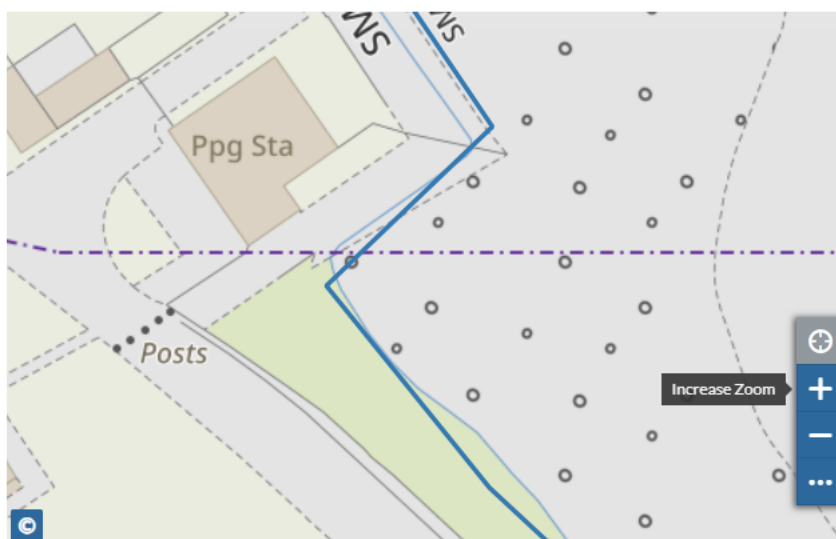


I have been trying to determine the MHWS line in relation to the works so as to have clarity on whether a marine license is required.

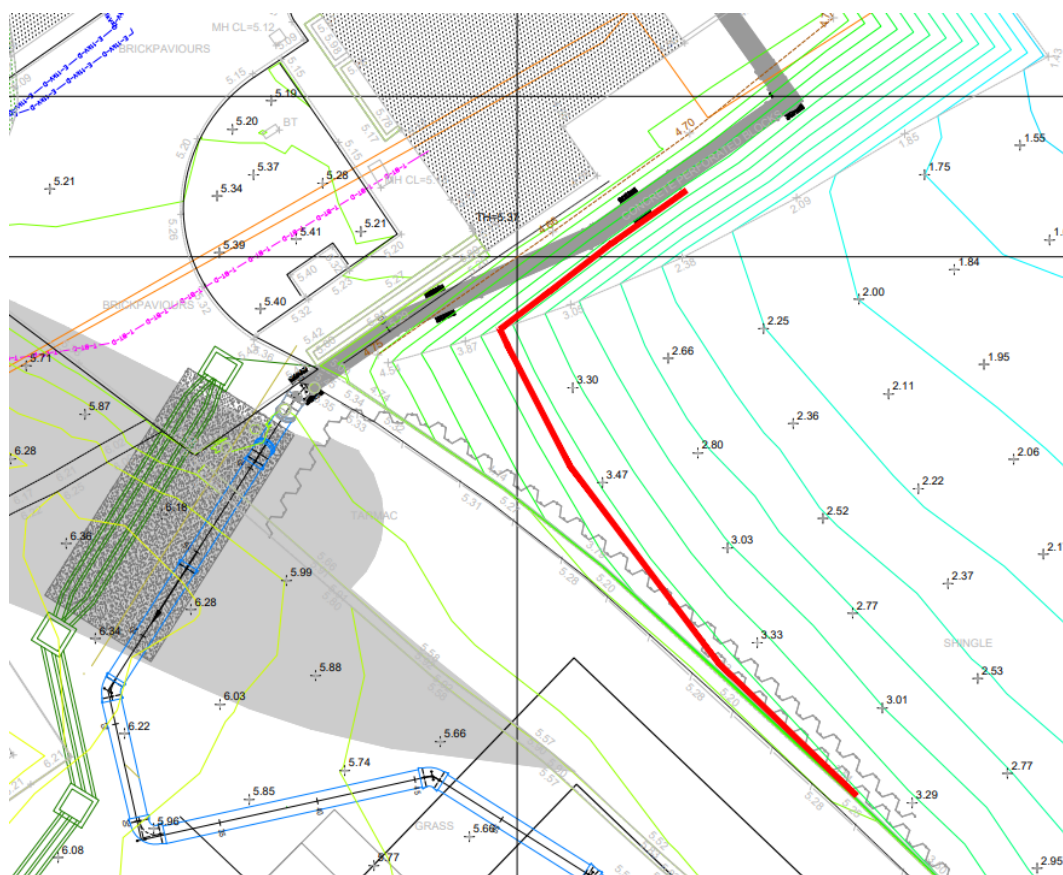
Currently, the Government of Wales website shows the MHWS line further seawards from the location of interest, please see snapshot from link below:

[WOM21 Wales High Water Mark | DataMapWales \(gov.wales\)](#)

WOM21 Wales High Water Ma



I have also found information on the MHWS tidal level from a nearby location, Beaumaris, which shows the MHWS line at +3.6m OD and I have plotted it against the existing topographic survey, please see red line in the snapshot below.



My understanding is that our works fall landwards of the MHWS lines and hence, a marine license is not required. Could you please advise on whether a marine license is needed as well as the type of marine license?

Kind regards,

Anna A.

Anna Ntasiou

she/her

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