

Dunmore Drainage

AECOM Marine Licence Application

Falkirk Council

Rev0

1 September 2022

Marine Licence Application for Construction Projects

Version 1.0

Marine (Scotland) Act 2010

Acronyms

Please note the following acronyms referred to in this application form:

| | |
|---------------|---|
| BPEO | Best Practicable Environmental Option |
| EIA | Environmental Impact Assessment |
| ES | Environmental Statement |
| MHWS | Mean High Water Springs |
| MMO | Marine Mammal Observer |
| MPA | Marine Protected Area |
| MS-LOT | Marine Scotland – Licensing Operations Team |
| PAM | Passive Acoustic Monitoring |
| SAC | Special Area of Conservation |
| SNH | Scottish Natural Heritage |
| SPA | Special Protection Area |
| SSSI | Site of Special Scientific Interest |
| WGS84 | World Geodetic System 1984 |

Explanatory Notes

The following numbered paragraphs correspond to the questions on the application form and are intended to assist in completing the form. These explanatory notes are specific to this application and so you are advised to read these in conjunction with the Marine Scotland Guidance for Marine Licence Applicants document.

1. Applicant Details

The person making the application who will be named as the licensee.

2. Agent Details

Any person acting under contract (or other agreement) on behalf of any party listed as the applicant and having responsibility for the control, management or physical deposit or removal of any substance(s) or object(s).

3. Payment

Indicate payment method. Cheques must be made payable to: The Scottish Government.

Marine licence applications will not be accepted unless accompanied by a cheque for the correct application fee, or if an invoice is requested, until that invoice is settled. Target timelines for determining applications do not begin until the application fee is paid.

4. Application Type

Indicate if the application is for a new construction site or an existing construction site. Provide the existing or previous consent/licence number and expiry date if applicable.

5. Project Details

- (a) Give a brief description of the project (e.g. construction of a new sea outfall).
- (b) Provide the total area of proposed works in square metres.
- (c) Provide the proposed start date of the project. The start date will not be backdated, since to commence a project for which a licence has not been obtained will constitute an offence, which may result in appropriate legal action. A licence is normally valid for the duration of the project but not exceeding 3 years. If a project will not be completed before a marine licence lapses, it will be necessary for licence holders to re-apply for a further licence to continue any ongoing work at least 14 weeks prior to the expiry date of the licence. **Target duration for determination of a marine licence application is 14 weeks.**
- (d) Provide the proposed completion date of the project.
- (e) Provide the cost of the works seawards of the tidal limit of MHWS. This estimate should only cover

work taking place below the tidal level of MHWS and must take into consideration the cost of materials, labour fees etc.

- (f) Describe the location of the proposed works. Include a list of the latitude and longitude co-ordinates (WGS84) of the boundary points of the proposed project. WGS84 is the World Geodetic System 1984 and the reference co-ordinate system used for marine licence applications. Co-ordinates taken from GPS equipment should be set to WGS84. Coordinates taken from recent admiralty charts will be on a WGS84 compatible datum. Ordnance survey maps do not use WGS84. In a few cases, (e.g. laying of long pipelines) it may only be practicable to supply co-ordinates for the start and end points.

Example: For positions read from charts the format should be as in the example: 55°55.555'N 002°22.222'W (WGS84). The decimal point specifies that decimals of minutes are used and the datum is stated explicitly. If seconds are used then the format should be as in the example: 55°55'44"N 2°22'11"W (WGS84).

It is important that the correct positions, in the correct format, are included with this application, as any errors will result in the application being refused or delayed.

To supplement your application, please provide photographs of the project location and submit these with your application. Please also provide a suitably scaled extract of an Ordnance Survey Map (1:2,500 scale but not more than 1:10,000) or Admiralty Chart which must be marked to indicate:

- the full extent of the works in relation to the surrounding area;
- latitude and longitude co-ordinates defining the location of the works;
- the level of MHWS;
- any adjacent SAC, SPA, SSSI, MPA, Ramsar or similar conservation area boundary.

Drawings and plans will be consulted upon. If they are subject to copyright, **it is the responsibility of the applicant to obtain necessary approvals to reproduce the documents and to submit suitably annotated copies with the application.**

Sewer outfalls, discharge pipes for industrial waste etc. The size and description of the pipe must be shown on the longitudinal sections and also details of its supports, foundations, methods of jointing and details of any tidal flaps.

Bridges over tidal waters: An elevation with longitudinal and cross-sections of the bridge to a suitable scale must show the dimensions of the spans and width of piers, etc. above and below MHWS and the maximum and minimum heights of the undersides of the superstructures above MHWS. The headroom above MHWS and the width of span of the nearest bridges, if any, above and below the site must be stated.

Tunnels under tidal waters: The longitudinal section of the tunnel must show the distances between the bed of the river or estuary and the top of the tunnels. Cross-sections must show the internal and external dimensions of the tunnel and particulars of construction. When a proposed future dredging level is known this must also be shown on all sections.

Overhead cables: Catenary must be supplied in addition to the site plan showing the minimum clearance of the cable at MHWS and the electrical clearance allowed.

- (g) Indicate if the project is located within the jurisdiction of a statutory harbour authority and provide details of the statutory harbour authority where relevant.
- (h) Provide a full method statement, including schedule of works and the ultimate fate of the structure.
- (i) Provide assessment of the potential impacts the works may have, including interference with other uses of the sea. Please include details of areas of concern e.g designated conservation areas, such as a SAC, SPA, SSSI, MPA or Ramsar site and shellfish harvesting areas. Further guidance on designated conservation areas can be obtained from SNH at this website:

<http://gateway.snh.gov.uk/sitelink/index.jsp> and guidance on shellfish harvesting areas can be obtained from <http://www.foodstandards.gov.scot/> with regards to the Shellfish Waters Directive (2006/113/EC) which has parameters set to protect the water quality in which edible shellfish are grown.

Applicants should also be aware of the need to pay due regard to coastal and marine archaeological matters and attention is drawn to Historic Scotland's Operational Policy Paper HP6, "Conserving the Underwater Heritage".

Any application for beach replenishment works must be cross checked as to whether the proposed site is a designated bathing water site. If so, all physical works should ideally be done outwith the Bathing Water Season (1st June to 15th September). Further guidance on the Bathing Waters Directive (2006/7/EC) can be obtained from <http://apps.sepa.org.uk/bathingwaters/>.

Where there are potential impacts from the works, please provide details of proposed mitigation, such as use of MMOs or PAM, in response to potential impacts.

6. Deposits and/or Removals

- (a) Complete the table to indicate all permanent substances or objects to be deposited and/or removed from below MHWS. If you propose using types of substances or objects for which a specific box is not provided in the table, please describe the nature of such substances or objects in the box marked "other".
- (b) Please indicate the method of delivery of any substance(s) or object(s) to be placed below MHWS.
- (c) Where the proposed work involves salt marsh feeding, beach replenishment or land reclamation the description of the substances or objects must include details of its chemical quality. Where the substances or objects have not been chemically analysed, MS-LOT may request representative samples for analysis or require the applicant to arrange for analyses to be undertaken before the marine licence application can be determined.
- (d) If temporary deposits are required, please provide details as with the permanent deposits above. The temporary deposit location details (Latitude and Longitude WGS84) must be added to the form, and the period of time the site will be used must be provided. If granting a licence, MS-LOT will include on the document details of any area that has been approved as a temporary deposit site.

7. Disposal of Dredged Substance(s) or Object(s) at Sea

- (a) If you are proposing to dispose of any excess substance(s) or object(s) arising from the project at sea, a separate marine licence will be required (see Dredging and Sea Disposal application form). The granting of a marine licence for construction projects does not imply that a marine licence for sea disposal will also be granted as different assessment criteria are used to determine each type of application. If a separate application is being submitted for dredging and sea disposal then this must be accompanied with a BPEO report.
- (b) Provide the quantity of dredged substance(s) or object(s) for sea disposal in wet tonnes.

8. Noise Monitoring

Under the Marine Strategy Regulations (2010), there is now a requirement to monitor loud, low to mid frequency (10Hz to 10kHz) impulsive noise. Activities where this type of noise is produced include seismic airguns, other geophysical surveys (<10kHz), pile driving, explosives and certain acoustic deterrent devices. Where noisy activity is being undertaken, you must complete an initial registration form for the noise registry which allows you to provide details on the proposed work. Completion of a 'close-out' form, which allows licensees to provide details of the actual dates and locations where the activities occurred, is also required within 12 weeks of the completion of the 'noisy' activity or, in the case of prolonged activities such as piling for harbour construction or wind farms, at quarterly intervals or after each phase of foundation installation.

These forms can be downloaded from:

<http://www.scotland.gov.uk/Topics/marine/science/MSInteractive/Themes/noise-reduction>

Marine licence applications will not be accepted until this form has been completed and submitted.

9. Statutory Consenting Powers

Please describe in the answer to this question what (if any) statutory responsibilities you (or your client) have to consent any aspect of the project.

10. Scotland's National Marine Plan

Scotland's National Marine Plan has been prepared in accordance with the EU Directive 2014/89/EU, which came into force in July 2014. The Directive introduces a framework for maritime spatial planning and aims to promote the sustainable development of marine areas and the sustainable use of marine resources. It also sets out a number of minimum requirements all of which have been addressed in this plan. In doing so, and in accordance with article 5(3) of the Directive, Marine Scotland have considered a wide range of sectoral uses and activities and have determined how these different objectives are reflected and weighted in the marine plan. Land-sea interactions have also been taken into account as part of the marine planning process. Any applicant for a marine licence should consider their proposals with reference to Scotland's National Marine Plan. A copy of Scotland's National Marine Plan can be found at: <http://www.gov.scot/Publications/2015/03/6517/0>

Indicate whether you have considered the project with reference to Scotland's National Marine Plan and provide details of considerations made with reference to the policies, including but not limited to General Policies 7 and 13 (GEN 7 and GEN 13), that have been considered. If you have not considered the project with reference to Scotland's National Marine Plan please provide an explanation.

11. Pre-Application Consultation

Certain activities will be subject to public pre-application consultation. Activities affected will be large projects with the potential for significant impacts on the environment, local communities and other legitimate uses of the sea. The new requirement will allow those local communities, environmental groups and other interested parties to comment on a proposed development in its early stages – before an application for a marine licence is submitted. Further information can be obtained from: <http://www.scotland.gov.uk/Resource/0043/00439649.pdf>

If applicable, please provide your pre-application consultation report with your application.

12. Consultation (other than carried out under pre-application consultation)

Provide details of all bodies consulted and give details of any consents issued including date of issue.

13. Environmental Assessment

- (a) Under the Marine Works Environmental Impact Assessment (EIA) Regulations 2007, there may be a requirement for certain projects to undergo an EIA and produce an ES. If EIA is required, MS-LOT will not determine a marine licence application until the EIA consent decision in respect of the marine licence application has been reached. Please confirm if the project falls under Annex I or II of Directive 85/337/EEC: <http://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:32011L0092&from=EN> in relation to the Marine Works (EIA) Regulations 2007.

Marine licence applications for proposals which fall under the regulations will not be accepted unless a screening opinion has been issued in relation to this.

- (b) Please indicate if an EIA has been undertaken and whether it was for the marine licence application to which this application relates or for any other EIA regulator (e.g local authority). Please attach any previous ES to the application.

MS-LOT will not determine a marine licence application until the EIA consent decision in respect of any regulated activity associated with the marine licence application has been reached.

14. Associated Works

Indicate whether the application is associated with any other marine projects (e.g. land reclamation, marine/harbour construction works, dredging and sea disposal etc). If this is the case, provide reference/licence number for the related marine projects.

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It is the responsibility of the applicant to obtain any other consents or authorisations that may be required.

Under Section 54 of the Marine (Scotland) Act 2010, all information contained within and provided in support of this application will be placed on a Public Register. There are no national security grounds for application information not going on the Register under the 2010 Act.

Public Register

Do you consider that any of the information contained within or provided in support of this application should not be disclosed:

- (a) for reasons of national security; YES NO
- (b) for reasons of confidentiality of commercial or industrial information where such confidentiality is provided by law to protect a legitimate commercial interest? YES NO

If **YES**, to either (a) or (b), please provide full justification as to why all or part of the information you have provided should be withheld.

WARNING

It is an offence under the Act under which this application is made to fail to disclose information or to provide false or misleading information.

Target duration for determination is 14 weeks. Please note that missing or erroneous information in your application and complications resulting from consultation may result in the application being refused or delayed.

Marine licence applications will not be accepted unless accompanied by a cheque for the correct application fee, or if an invoice is requested, until that invoice is settled. Target timelines for determining applications do not begin until the application fee is paid.

Declaration

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

Signature Redacted

Date 23/01/23

Name in BLOCK LETTERS

JAMIE SCOTT

Application Check List

Please check that you provide all relevant information in support of your application, including but not limited to the following:

- Completed and signed application form
- Project Drawings
- Maps/Charts
- Co-ordinates of the boundary points of the area of harbour jurisdiction (if you are a statutory harbour authority)
- Method Statement
- Photographs of the location of the project
- Additional information e.g. consultation correspondence (if applicable)
- Noise Registry – Initial Registration Form (if applicable)
- Pre-application Report (if applicable)
- Environmental Statement (if applicable)
- Payment (if paying by cheque)

1. Applicant Details

Title: Principal Engineer Initials: **Gary** Surname: **McGregor**

Trading Title (if appropriate): **Falkirk Council**

Address: Municipal Buildings, West Bridge Street, Falkirk FK1 5RS

Name of contact (if different):

Telephone No. (inc. dialing code): **Redacted**

Email: **Gary.McGregor@falkirk.gov.uk**

Statutory Harbour Authority? YES NO

If **YES**, please provide a list of the latitude and longitude co-ordinates (WGS84) of the boundary points of the area of harbour jurisdiction using Appendix 01 Additional Co-ordinates form if necessary.

2. Agent Details (if any)

Title: Principal Civil Engineer Initials: **Jamie** Surname: **Scott**

Trading Title (if appropriate): **AECOM**

Address: 1 Tanfield, Edinburgh EH3 5DA

Name of contact (if different):

Telephone No. (inc. dialing code): **Redacted**

Email: **jamie.scott@aecom.com**

3. Payment

Enclosed Cheque Invoice

Contact and address to send invoice to:

Applicant Agent Other

If **OTHER**, please provide contact details:

Title: Initials: Surname:

Address:

Email:

4. Application Type

Is this application for a new construction site or an existing construction site:

New Site Existing Site

If an **EXISTING SITE**, please provide the consent/licence number and expiry date:

| Consent/Licence Number | Expiry Date |
|------------------------|-------------|
| | |

5. Project Details

(a) Brief description of the project (e.g. construction of a new sea outfall):

Construction of a new surface water drainage outfall Downstream outfall will have an HDPE flap valve installed to prevent backflow during high tide
Precast reinforced concrete headwall H10C A Althon or similar approved by designer Rock Armour (average diameter 300mm) line projected in line with wing walls and gradient to suit local ground profile

(b) Total area of the proposed works (in square metres):

10 m²

(c) Proposed start date (Target duration for determination of a marine licence application is 14 weeks):

February 2023

(d) Proposed completion date:

July 2023

(e) Cost of the works seawards of the tidal limit of MHWS:

£25,000

(f) Location:

Dunmore, Falkirk

Latitude and Longitude co-ordinates (WGS84) defining the extent of the project (continue on Appendix 01 Additional Co-ordinates form if necessary):

| Latitude | | | | | | | | | | Longitude | | | | | | | | | | |
|----------|---|---|---|---|---|---|---|---|----|-----------|---|---|---|---|---|---|---|---|---|----|
| 5 | 6 | ° | 0 | 5 | . | 1 | 4 | 3 | 'N | - | 0 | 3 | ° | 4 | 6 | . | 7 | 6 | 1 | 'W |
| 5 | 6 | ° | 0 | 5 | . | 1 | 4 | 3 | 'N | - | 0 | 3 | ° | 4 | 6 | . | 7 | 7 | 3 | 'W |
| 5 | 6 | ° | 0 | 5 | . | 1 | 4 | 8 | 'N | - | 0 | 3 | ° | 4 | 6 | . | 7 | 7 | 3 | 'W |
| 5 | 6 | ° | 0 | 5 | . | 1 | 4 | 8 | 'N | - | 0 | 3 | ° | 4 | 6 | . | 7 | 6 | 1 | 'W |
| | | ° | | | . | | | | 'N | | | | ° | | | . | | | | 'W |
| | | ° | | | . | | | | 'N | | | | ° | | | . | | | | 'W |
| | | ° | | | . | | | | 'N | | | | ° | | | . | | | | 'W |
| | | ° | | | . | | | | 'N | | | | ° | | | . | | | | 'W |
| | | ° | | | . | | | | 'N | | | | ° | | | . | | | | 'W |
| | | ° | | | . | | | | 'N | | | | ° | | | . | | | | 'W |

(g) Is the project located within the jurisdiction of a statutory harbour authority? YES NO

If YES, please specify statutory harbour authority:

(h) Method statement including schedule of work (continue on separate sheet if necessary):

The following is an example of how the works could be installed. It should be noted that it is for the contractor to determine and finalise their proposed methodology and, as such, this example would be subject to change:

The outfall location is finalised within the perimeter area stated within this application. The outfall pipe will be installed via trench excavation until it reaches the outfall location. At outfall location some minor earthworks will be required to clear any vegetation and profile the ground to suit the proposed solution. The precast headwall will be delivered to site and is lifted in place with site plant. This will be placed on an in-situ bed of concrete, which will be installed at a suitable tide to prevent washout. The pipe work and flapvalve will be connected up following the headwall placement. Finally the rock armour is delivered to site and placed accordingly with an excavator.

Works duration in this area of the works would be anticipated to be 1-2 weeks.

All works are likely to be carried out from land.

(i) Potential impacts the works may have (including details of areas of concern e.g designated conservation and shellfish harvesting areas) and proposed mitigation in response to potential impacts (continue on separate sheet if necessary):

None

6. Deposits and/or Removals

(a) Permanent substance(s) or object(s) to be deposited and/or removed from below MHWS (continue on a separate sheet if necessary):

| Type of Deposit/Removal | Deposits | | Removals | |
|-------------------------------------|------------------------------------|--------------------------------|-------------|--------------------------------|
| | Description | Quantity & Dimensions (metric) | Description | Quantity & Dimensions (metric) |
| Steel/Iron | | No. | | No. |
| | | Dimensions | | Dimensions |
| | | Weight (kg/tonnes) | | Weight (kg/tonnes) |
| Timber | | No. | | No. |
| | | Dimensions | | Dimensions |
| | | Weight (kg/tonnes) | | Weight (kg/tonnes) |
| Concrete | Headwall | 1 No. | | No. |
| | | Dimensions 1910*1980*1250 | | Dimensions |
| | | 2000kg Weight (kg/tonnes) | | Weight (kg/tonnes) |
| Plastic/Synthetic | Flap-valve (HDPE) | 1.131 m ² | | m ² |
| Clay (< 0.004 mm) | | Volume (m ³) | | Volume (m ³) |
| | | Weight (kg/tonnes) | | Weight (kg/tonnes) |
| Silt (0.004 ≤ Silt < 0.063 mm) | | Volume (m ³) | | Volume (m ³) |
| | | Weight (kg/tonnes) | | Weight (kg/tonnes) |
| Sand (0.063 ≤ Sand < 2.0 mm) | | Volume (m ³) | | Volume (m ³) |
| | | Weight (kg/tonnes) | | Weight (kg/tonnes) |
| Gravel (2.00 ≤ Gravel < 64.0 mm) | Class A Material for pipe surround | 2 Volume (m ³) | | Volume (m ³) |
| | | Weight (kg/tonnes) | | Weight (kg/tonnes) |
| Cobbles (64.0 ≤ Cobbles < 256.0 mm) | | Volume (m ³) | | Volume (m ³) |
| | | Weight (kg/tonnes) | | Weight (kg/tonnes) |
| Boulders (≥ 256.0 mm) | Armour stones (300mm diameter) | 8.92 Volume (m ³) | | Volume (m ³) |
| | | 23,192kg Weight (kg/tonnes) | | Weight (kg/tonnes) |

| | | | | |
|--------------------------------|------------------------------------|--------------------------------------|--|--------------------------------|
| Pipe | Twinwall HDPE Pipe | 6m Length (m) | | Length (m) |
| | | External 600mm Diameter (cm/m) | | External Diameter (cm/m) |
| Other (please describe below): | | | | |
| Geotextile | Non-woven geotextile pipe surround | 10m ² (squared meters) | | |
| | | | | |
| | | | | |
| | | | | |

(b) Method of delivery of substance(s) or object(s):

All materials to be installed will be delivered by road

(c) For work involving salt marsh feeding, beach replenishment or land reclamation please provide the following information relating to the substance(s) or object(s) to be deposited:

Quantity (tonnes):

tonnes

Nature of substance(s) or object(s) (e.g. sand, silt, gravel etc.):

Source (if sea dredged state location of origin)

Particle size:

Have the substance(s) or object(s) been chemically analysed?
If YES, please include the analysis data with your application

YES NO

(d) Temporary substance(s) or object(s) to be deposited below MHWS (continue on a separate sheet if necessary):

| Type of Deposit | Description | Quantity & Dimensions (metric) |
|-----------------|-------------|--------------------------------|
| Steel/Iron | | No. |
| | | Dimensions |
| | | Weight (kg/tonnes) |
| Timber | | No. |
| | | Dimensions |
| | | Weight (kg/tonnes) |

| | | |
|--|--|--------------------------|
| Concrete | | No. |
| | | Dimensions |
| | | Weight (kg/tonnes) |
| Plastic/Synthetic | | m ² |
| Clay (< 0.004 mm) | | Volume (m ³) |
| | | Weight (kg/tonnes) |
| Silt (0.004 ≤ Silt < 0.063 mm) | | Volume (m ³) |
| | | Weight (kg/tonnes) |
| Sand (0.063 ≤ Sand < 2.0 mm) | | Volume (m ³) |
| | | Weight (kg/tonnes) |
| Gravel (2.00 ≤ Gravel < 64.0 mm) | | Volume (m ³) |
| | | Weight (kg/tonnes) |
| Cobbles (64.0 ≤ Cobbles < 256.0 mm) | | Volume (m ³) |
| | | Weight (kg/tonnes) |
| Boulders (≥ 256.0 mm) | | Volume (m ³) |
| | | Weight (kg/tonnes) |
| Pipe | | Length (m) |
| | | External Diameter (cm/m) |
| Other (please describe below): | | |
| | | |
| | | |
| | | |
| | | |

7. Disposal of Dredged Substance(s) or Object(s) at Sea

(a) Do you intend to apply for a marine licence for sea disposal of dredged substance(s) or object(s) as part of the project?

YES NO

If **YES**, please specify nature of substance(s) or object(s) (e.g sand, gravel, silt, clay, rock etc.):

(b) Quantity of substance(s) or object(s) (wet tonnes):

wet tonnes

A separate marine licence application will be required to be submitted for sea disposal.

8. Noise Monitoring

Will loud, low to mid frequency (10Hz to 10kHz) impulsive noise be produced by the project? YES NO

If **YES**, which please indicate the noise generating activities and sound frequencies:

| Noise Generating Activity | Sound Frequency (Hertz) |
|------------------------------------|-------------------------|
| Use of Explosives | |
| Use of Accoustic Deterrent Devices | |
| Piling | |
| Other (please describe below): | |
| | |
| | |

If you have ticked **YES**, please complete the Noise Registry – Initial Registration form located at: <http://www.scotland.gov.uk/Topics/marine/science/MSInteractive/Themes/noise-reduction>

Marine licence applications will not be accepted until this form has been completed and submitted.

9. Statutory Consenting Powers

Do you, or (if appropriate) your client, have statutory powers to consent any aspect of this project?

Consent is the Falkirk Council, who have consenting powers over panning etc. but have no Consenting Powers to those required for this project.

Note that Dunmore is a conservation village and Falkirk Council are corresponding with our Development Management department with regards to this.

10. Scotland’s National Marine Plan

Have you considered the application with reference to Scotland's National Marine Plan? YES NO

If **YES**, provide details of considerations made with reference to the policies, including but not limited to General Policies 7 and 13 (GEN 7 and GEN 13), that have been considered:

GEN 3 - Project is to allow increased surface water drainage capacity to mitigate against flooding of local properties

GEN 5 - Project is to allow increased surface water drainage capacity to mitigate against flooding

GEN 7 - Rock armour used for anti-scour to maintain a natural coastal aesthetic

GEN 12 - In situ concrete avoid to eliminate risk of wash out

GEN 13 - Methods proposed do not produce any significant noise

If **NO**, please provide an explanation of why you haven't considered the National Marine Plan?

11. Pre-Application Consultation

Is the application subject to pre-application consultation, under The Marine Licensing (Pre-application Consultation) (Scotland) Regulations 2013?

YES NO

If **YES**, please indicate the date of the public notice for the pre-application consultation event and the type of consultation event held (a copy of the public notice must be supplied with this application):

| Event Type | Date |
|------------|------|
| | |

12. Consultation

List all bodies you have consulted and provide copies of correspondence:

We have consulted with Marine Scotland to confirm that there was no requirement for EIA Screening. Correspondence can be supplied on request.

13. Environmental Assessment

(a) Does the project fall under Annex I or II of the EIA Directive?

Annex I Annex II Neither

If **ANNEX I** or **ANNEX II**, please provide the screening opinion issued to you in relation to the project.

(b) Has an EIA been undertaken:

for the marine licence application to which this application relates
for any other EIA regulator (e.g local authority)

YES NO
YES NO

14. Associated Works

Provide details of other related marine projects, including reference/licence numbers (if applicable):

None

Appendix A - Drawings

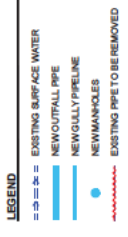
60602044-SHT-30-DUNM-C-0102

DUNMORE VILLAGE NEW OUTFALL GENERAL ARRANGEMENT PLAN & LONGITUDINAL SECTION

60602044-SHT-30-DUNM-C-0105

HEADWALL & 600mm FLAP VALVE

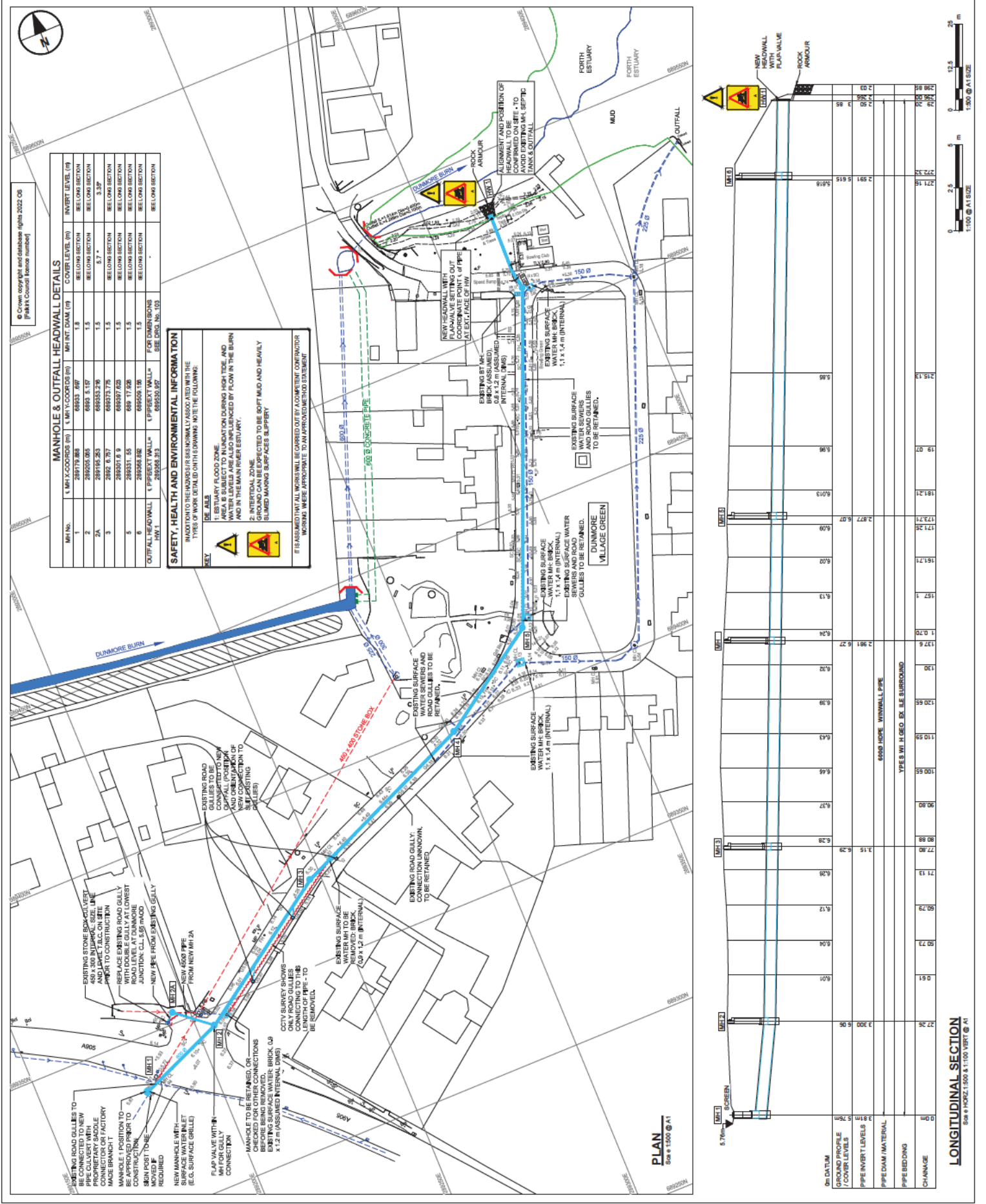
- NOTES**
1. ALL DIMENSIONS IN METRES (M) DO NOT EXCLUDE FROM THE DRAWING. ALL LEVELS IN MM AND REDUCED TO ORNAMENTAL DATUM.
 2. DRAWING TO BE READ AT A SIZE. SPECIFICATION: WORKS TO BE CARRIED OUT IN ACCORDANCE WITH HIGHWAY WORKS SPECIFICATION FOR HIGHWAY WORKS (SERIES 800) PART 1 AND SERVICEDUCTS AGAINST CORROSION.
 3. ROAD REINSTATEMENT TO BE AS PER SPECIFICATION FOR ROADS FOURTH EDITION OF OPENINGS IN ROADS FOURTH EDITION (SCOTLAND).
 4. WORKS AS STATED. ALL OTHER FEATURES SHOWN ARE EXISTING AND ARE TO BE RETAINED UNLESS OTHERWISE STATED BY CONTRACTOR TO CARRY OUT TRAFFIC / EXPLORATORY EXCAVATION AT THE OUTFALL LOCATION TO CONFIRM EXISTING OUTFALL LINE AND POSITION.
 5. * DENOTES ESTIMATED LEVELS TO BE CONFIRMED ON SITE.



ISSUE/REVISION

| NO | DATE | DESCRIPTION |
|-----|------------|-----------------|
| 001 | 26.07.22 | TENDER REVISION |
| 002 | 19.08.2022 | TENDER |
| 003 | 29.03.2022 | DRAFT ISSUE |
| 004 | 29.03.2022 | DRAFT ISSUE |

KEY PLAN



MANHOLE & OUTFALL HEADWALL DETAILS

| MH No. | 1 (MH X COVER) (M) | 1 (MH X COVER) (M) | 1 (MH X COVER) (M) | COVER LEVEL (M) | INVERT LEVEL (M) |
|------------------|--------------------|--------------------|--------------------|-----------------|------------------|
| 1 | 28979.88 | 68833.887 | 1.8 | 1.8 | BELOW SECTION |
| 2 | 29030.05 | 68833.137 | 1.5 | 1.5 | BELOW SECTION |
| 2A | 29104.253 | 68833.236 | 1.5 | 1.5 | BELOW SECTION |
| 3 | 29028.267 | 68933.778 | 1.5 | 8.7 | 3.2P |
| 4 | 29031.83 | 68933.729 | 1.5 | 1.5 | BELOW SECTION |
| 5 | 29031.45 | 68933.729 | 1.5 | 1.5 | BELOW SECTION |
| 6 | 29031.482 | 68933.729 | 1.5 | 1.5 | BELOW SECTION |
| OUTFALL HEADWALL | 29031.482 | 68933.729 | 1.5 | 1.5 | BELOW SECTION |

FOR DIMENSIONS SEE DWG. NO. 103

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

IN ADDITION TO THE HAZARD/S RISKS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAIL (D) THIS DRAWING, NOTE THE FOLLOWING:

- 1. ESTUARY FLOOD ZONE.
- 2. AREA IS SUBJECT TO INUNDATION DURING HIGH TIDE, AND ANY WORKS SHOULD BE CONSIDERED IN THE MAIN RIVER ESTUARY AND IN THE MAIN RIVER ESTUARY.
- 3. INTERNAL ZONE.
- 4. GROUND CAN BE EXPECTED TO BE SOFT MUD AND HEAVILY SLIMED MAKING SURFACES SLIPPERY.

IT IS ASSUMED THAT ALL WORKS WILL BE CARRIED OUT BY A COMPETENT CONTRACTOR. WORKS SHOULD BE APPROPRIATE TO AN APPROVED METHOD STATEMENT.

LONGITUDINAL SECTION
Scale: HORIZ. 1:500 & 1:100 VERT. @ A1

| NO. DATUM | GROUND PROFILE (COVER LEVEL) | PIPE INVERT LEVELS | PIPE DAM MATERIAL | PIPE BEDDING | CH/ANAGE |
|-----------|------------------------------|--------------------|--------------------------|----------------------------------|----------|
| 0.91 | 176.16 | 176.16 | | | |
| 0.91 | 172.31 | 172.31 | 600P HOPE WINN WALL PIPE | TYPE 8 W/ H GEO. EX. LE SURROUND | |
| 0.91 | 158.17 | 158.17 | | | |
| 0.91 | 157.1 | 157.1 | | | |
| 0.91 | 157.6 | 157.6 | | | |
| 0.91 | 137.6 | 137.6 | | | |
| 0.91 | 130 | 130 | | | |
| 0.91 | 120.65 | 120.65 | | | |
| 0.91 | 110.58 | 110.58 | | | |
| 0.91 | 100.65 | 100.65 | | | |
| 0.91 | 90.80 | 90.80 | | | |
| 0.91 | 80.88 | 80.88 | | | |
| 0.91 | 71.13 | 71.13 | | | |
| 0.91 | 60.79 | 60.79 | | | |
| 0.91 | 50.73 | 50.73 | | | |
| 0.91 | 40.71 | 40.71 | | | |
| 0.91 | 30.06 | 30.06 | | | |
| 0.91 | 20.26 | 20.26 | | | |
| 0.91 | 10.58 | 10.58 | | | |
| 0.91 | 0.91 | 0.91 | | | |

NOTES
ALL DIMENSIONS IN mm.
ALL MEASUREMENTS ± 1mm.
DO NOT SCALE.
ALL LEVELS IN METRES AND REDUCED TO OSNADENCE DATUM.

1. SPECIFICATION INFORMATION
CONCRETE TO BE SUPPLIED TO SUIT OUTSIDE
DIAMETER OF THE PIPEWORK.
INVERT LEVEL OF PIPE CAN BE SET TO YOUR
SPECIFICATION.

2. HEADWALL INSTALLATION
UNITS SHOULD BE BEDDED ON MINIMUM 150mm
OF 1:3 SAND/6:1 GRAVEL.
FIT THE HEADWALL LEVEL OR WITH A SLIGHT
FALL 1:30 FROM PIPE TO SPILLMOUTH.

3. HANDLING
WEIGHT OF CONCRETE IS BASED ON 2.
TONNAGE 5% IS RECOMMENDED FOR SIZING
ALL LIFTING POINTS SHALL BE USED AS
SPECIFIED - ANCHOR POINTS & LOOPS - TOTAL
UNIT TO BE LIFTED AS PER LIFTING DIAGRAM

CONCRETE
M X REBEL COMPACTING DC OS. MAX
LIFTING STRENGTH BASED ON 2 CUBES =
28 DAY STRENGTH = 50N/mm²
CONCRETE PROVIDES DSG ON CHEMICAL CLASS
(CC 1) TO SPECIAL DUBS 11, TABLE F2.

5. REINFORCEMENT
REINFORCEMENT TO BE IN 1000
CROSS SECTION. MINIMUM BONDING &
CUTTING TO BS8869
CAGE TO BE MACHINED WITH STEEL WIRE

ISSUE/REVISION

| NO. | DATE | DESCRIPTION |
|-----|------------|--------------------|
| 002 | 21.09.2022 | TECHNICAL REVISION |
| 001 | 19.05.2022 | TECHNICAL REVISION |
| 001 | 07.03.2022 | DRAFT ISSUE |
| 001 | | DATE |
| | | DESCRIPTION |

KEY PLAN

NOTES (CONTINUED)
MANUFACTURE
MANUFACTURE TO BE IN 15245 2008 PRECAST
CONCRETE PRODUCTS - RETAINING WALL
ELEMENTS, FACTORY PRODUCTION CONTROL
ELEMENTS, FACTORY NUMBER: 006-CP-005 - 8 810 BN
13049
TOLERANCES TO BE EN 13699 CLAUSE 3.11
FINISHING:

| Finish | Type | Size | Block | Block | Block |
|--------|------|------|-------|-------|-------|
| A | A | A | A | A | A |
| B | B | B | B | B | B |

MARRING UNITS SHALL BE INDELEBLY MARKED
TO SHOW
JOB REFERENCE CODE
DE MOLD DATE
JOB REFERENCE NUMBER & UNIQUE PRODUCT
UNIT WEIGHT (KG)

DESIGN
CONCRETE DESIGN TO EC3
AUTHOR HAS DESIGNED THE CONCRETE UNITS
ONLY. THE SITE CONDITIONS SHOULD BE
CHECKED FOR SUITABILITY BY THE SCHEME
DESIGNER.
UNITS ARE DESIGNED TO WITHSTAND A
VERTICAL LOAD SURCHARGE OF 10kN/m²
ANGLE OF INTERNAL FRICTION = 30DEG.
DESIGN LIFE: >50 YEARS

| M | Code | Code | Max. Depth | Max. Depth | Max. Depth |
|---|------|------|------------|------------|------------|
| M | 1000 | 30 | 20 | 30 | 30 |

Headwork
Construction
Method
Induced by
atmosphere
atmosphere
atmosphere

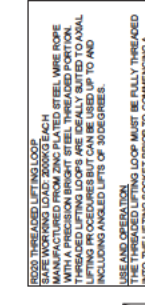
6. FABRICATION SPECIFICATION
A. ALL FABRICATION WORK SHALL BE TO CLASS 1
B. MATERIAL GRAB TO BE BS EN 10205
C. WELDING CARRIED OUT IN ACCORDANCE WITH BS EN 10902 PART A
D. ALL FILLET AND BUTT WELDS TO HAVE A
MINIMUM THROAT THICKNESS OF 6mm &
POSSIBLE TO BE FULLY WELDED WHERE
E. ENSURE VERTICAL PLATS ARE FULLY
WELDED BOTH SIDES WHERE POSSIBLE
F. REMOVE ALL WELD SPATTER
G. REMOVE ALL WELD SPATTER
H. GALVANIZING IS CARRIED OUT AFTER
FABRICATION TO BS EN ISO 1181

GOOD THREADED LIFTING LOOP
SAFE WORKING LOAD: 2000KG EACH
THREADED LIFTING LOOPS ARE IDEALLY SUITED TO AXIAL
LOADS. THREADED LIFTING LOOPS ARE IDEALLY SUITED TO AXIAL
LOADS INCLUDING ANGLED LIFTS OF 30 DEGREES.

USE AND CREATION
THE THREADED LIFTING LOOP MUST BE FULLY THREADED
INTO THE LIFTING SOCKET PRIOR TO COMMENCING A
LIFTING OPERATION. IT IS IMPERATIVE THAT THE TWO
LIFTING SURFACES ARE PARALLEL TO EACH OTHER.
LIFT HOLES TO BE FILLED WITH REPAIR MORTAR AFTER USE



INDICATIVE LIFTING ARRANGEMENT
N.T.S.



EXISTING GROUND TO BE
REINSTATED & REPROFILED
TO SUIT ON-SITE

USE STEEL ANCHORS
POSITIONED FOR 15kN
M30 LIFTING SOCKETS
IN PC BASE SLAB

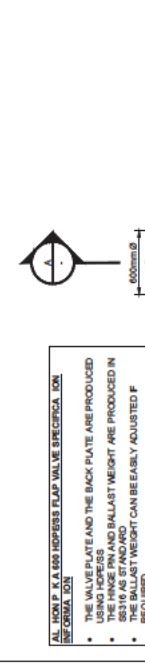
NO. 1 FINAL ROCK
ANCHOR ARRANGEMENT
TO BE LIFTED BY
CONTRACTOR'S STPO
BURNLEY

AL HON P. K.A. 650 HOPERS FLAP VALVE SPECIFICA. ON
INFORMATION
• THE VALVE PLATE AND THE BACK PLATE ARE PRODUCED
USING HOPERS
• THE PRINCE PIN AND BALLAST WEIGHT ARE PRODUCED IN
THE HOPERS
• THE BALLAST WEIGHT CAN BE EASILY ADJUSTED IF
REQUIRED
• THE BALLAST ARRANGEMENT CONSISTS OF AN EPDM LIPS
• THE VALVE PLATE IS ALSO INSTALLED ON AN ANGLE IN
RELATION TO THE BACK PLATE TO ENSURE A GOOD SEAL
MATERIAL: HOPE SS316, EPDM
OPENING: 600mm Ø
MAX. INSERT LEVEL: (BULL) 1.45MKS LONG
PERIOD (C 80 YEARS) MANG SHORT PERIOD (C 72 HOUR)
ALL DIMENSIONS IN MM



ROCK ANCHORS 300mm Ø
(200-100) ARMOUR LINE
PROJECTED PARALLEL WITH
WIND WALLS

ADDITIONAL STONE TO BE
LIFTED TO BE
CREATED SUITABLE TO
DETAIL



PRECAST REINFORCED
CONCRETE HEADWALL H10-A
ALTHOUGH SIMILAR APPROVED
MANAGER

DOUBLE ENDING 100mm Ø FLAP
VALVE MANUFACTURED BY
DESIGNER / PROJECT
MANAGER

FLAP VALVE TO HAVE MINIMUM
10° ANGLE TO VERTICAL

NOMINAL 100mm FALL
ACROSS APRON

2 No. ROCKER PIPE
JOINTS @ 600mm Ø

ANNULUS FILLED WITH M6
MORTAR / GROUT

MIN 150mm THICK
CONCRETE BASE

GRADIENT TO SUIT LOCAL
GROUND PROFILE

rock armour 300mm Ø
(200-100)

HEADWALL PLAN
Scale 1:25

SECTION A-A
Scale 1:10

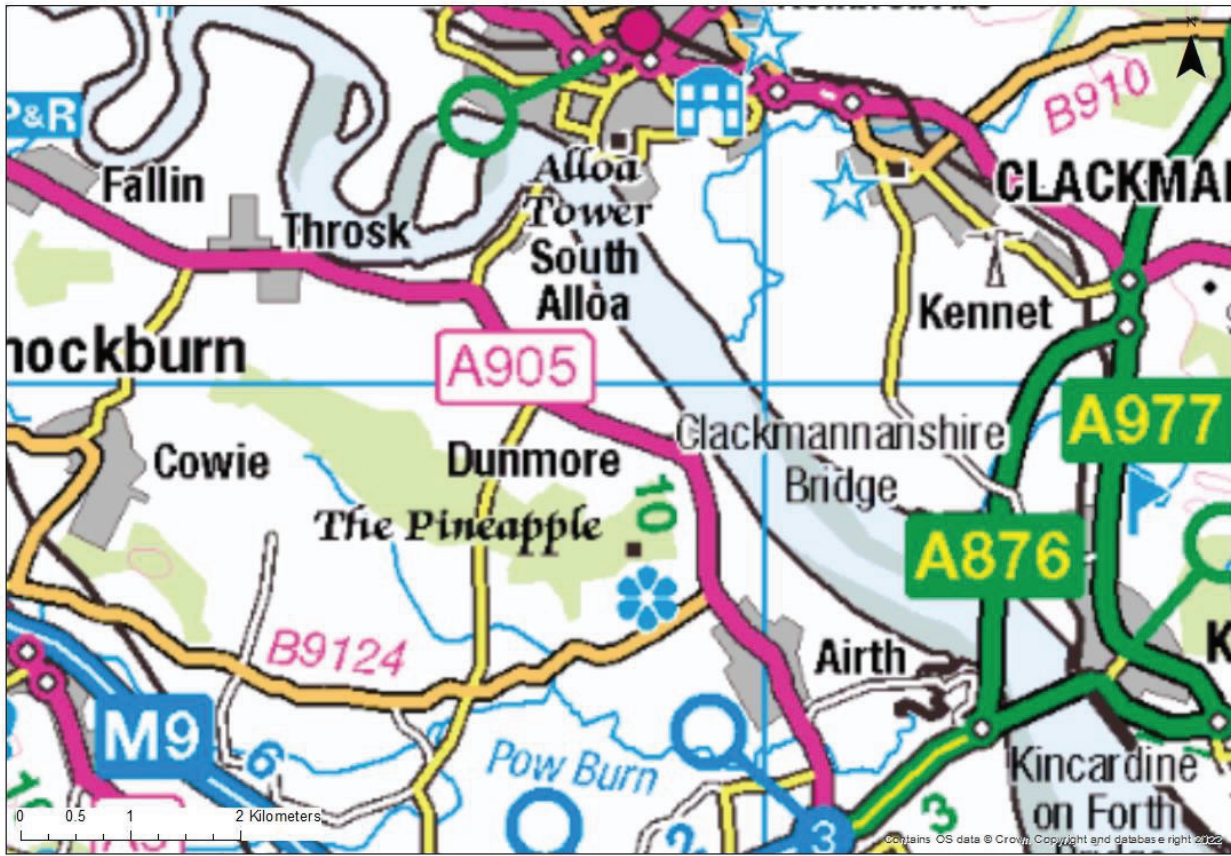


EXISTING GROUND TO BE
REINSTATED, REPROFILED
AND FINISHED TO SUIT
ON-SITE

NOMINAL 100mm
ACROSS APRON

2 No. ROCKER PIPE
JOINTS @ 600mm Ø

Appendix B – Location Maps



Appendix C – Site Photographs

