T: +44 (0)1224 295579
E: ms.marinelicensing@gov.scot

Marine Licence Application for Construction Projects

Version 1.0

Marine (Scotland) Act 2010

Marine Scotland, 375 Victoria Road, Aberdeen, AB11 9DB
http://www.gov.scot/Topics/marine/Licensing/marine

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.

Marine Licence Application for Construction Projects

Version 1.0

Marine (Scotland) Act 2010

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 11th March 2019

Name in BLOCK LETTERS Redacted

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: Initials: Surname:

Trading Title (if appropriate): The National Trust for Scotland

Address: Balnain House, 40 Huntly Street, Inverness, IV3 5HR

Name of contact (if different): Redacted

Telephone No. (inc. dialing code): Redacted

Email: Redacted

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: Initials: Surname:

Trading Title (if appropriate): John Peden Associates

Address: Askival, Glenmore Road, Oban, PA34 4PG

Name of contact (if different): Redacted

Telephone No. (inc. dialing code): Redacted

Email: Redacted

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):

Reconstruction of existing landing steps and other minor repairs and improvements at the Admiralty Pier, St Kilda

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

40 m^2

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

1/7/19

(d) Proposed completion date:

31/12/19

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

£10,000

(f) Location:

Admiralty Pier, St Kilda

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	7	°	4	8	.	6	6	1	' N		0	0	8	°	3	3	.	9	9	2	' W
5	7	°	4	8	.	6	5	8	' N		0	0	8	°	3	3	.	9	8	2	' W
5	7	°	4	8	.	6	3	7	' N		0	0	8	°	3	3	.	9	9	6	' W
5	7	°	4	8	.	6	3	9	' N		0	0	8	°	3	4	.	0	0	6	' 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):

See separate sheet

(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):

The whole of St KIlda and its adjacent waters are designated as follows: World Heritage Site; SSSI; SAC; SPA;NSA; NNR.
The works have the potential to cause local pollution of seawater from cement washout and release of contaminated water. These would be likely to hae only very local impact in view of the small quantities of concrete and other construction materials involved. Nevertheless the contractor will be required to follow stringent environmental protection policies - see attached.

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):

	Deposits		**Removals**	
Type of Deposit/Removal	Description	Quantity & Dimensions (metric)	Description	Quantity & Dimensions (metric)
Steel/Iron	Stainless steel angle sections	16 No. Dimensions 70 x 70 x 1200 100kg Weight (kg/tonnes)	Mild steel durbar plate to stair treads	16 No. Dimensions 200 x 10 x 1200 275kg Weight (kg/tonnes)
Timber		No. Dimensions Weight (kg/tonnes)		No. Dimensions Weight (kg/tonnes)
Concrete	In situ concrete topping to steps and landings	No. Dimensions 150-300mm thick 12t Weight (kg/tonnes)	Concrete steps and landings	No. Dimensions 5t Weight (kg/tonnes)
Plastic/Synthetic		m^2		m^2
Clay (< 0.004 mm)		Volume (m^3) Weight (kg/tonnes)		Volume (m^3) Weight (kg/tonnes)
Silt (0.004 ≤ Silt < 0.063 mm)		Volume (m^3) Weight (kg/tonnes)		Volume (m^3) Weight (kg/tonnes)
Sand (0.063 ≤ Sand < 2.0 mm)		Volume (m^3) Weight (kg/tonnes)		Volume (m^3) Weight (kg/tonnes)
Gravel (2.00 ≤ Gravel < 64.0 mm)		Volume (m^3) Weight (kg/tonnes)		Volume (m^3) Weight (kg/tonnes)
Cobbles (64.0 ≤ Cobbles < 256.0 mm)		Volume (m^3) Weight (kg/tonnes)		Volume (m^3) Weight (kg/tonnes)
Boulders (≥ 256.0 mm)		Volume (m^3) Weight (kg/tonnes)		Volume (m^3) Weight (kg/tonnes)

Pipe		Length (m) External Diameter (cm/m)		Length (m) External Diameter (cm/m)
Other (please describe below):				

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

Ship

(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? **YES** ☐ **NO** ■
If YES, please include the analysis data with your application

(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	Prefabricated steel open grid stairs and landings	6	No.
		2.5 x 1.2 x 0.15 m	Dimensions
		2t	Weight (kg/tonnes)
Timber	Formwork for concrete steps and landings		No.
			Dimensions
		1t	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?

No

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:

See separate sheet

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:

None

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 YES ☐ NO ■
for any other EIA regulator (e.g local authority) YES ☐ NO ■

14. Associated Works

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

None

Admiralty Pier, St Kilda
Contract 1 – Minor Works

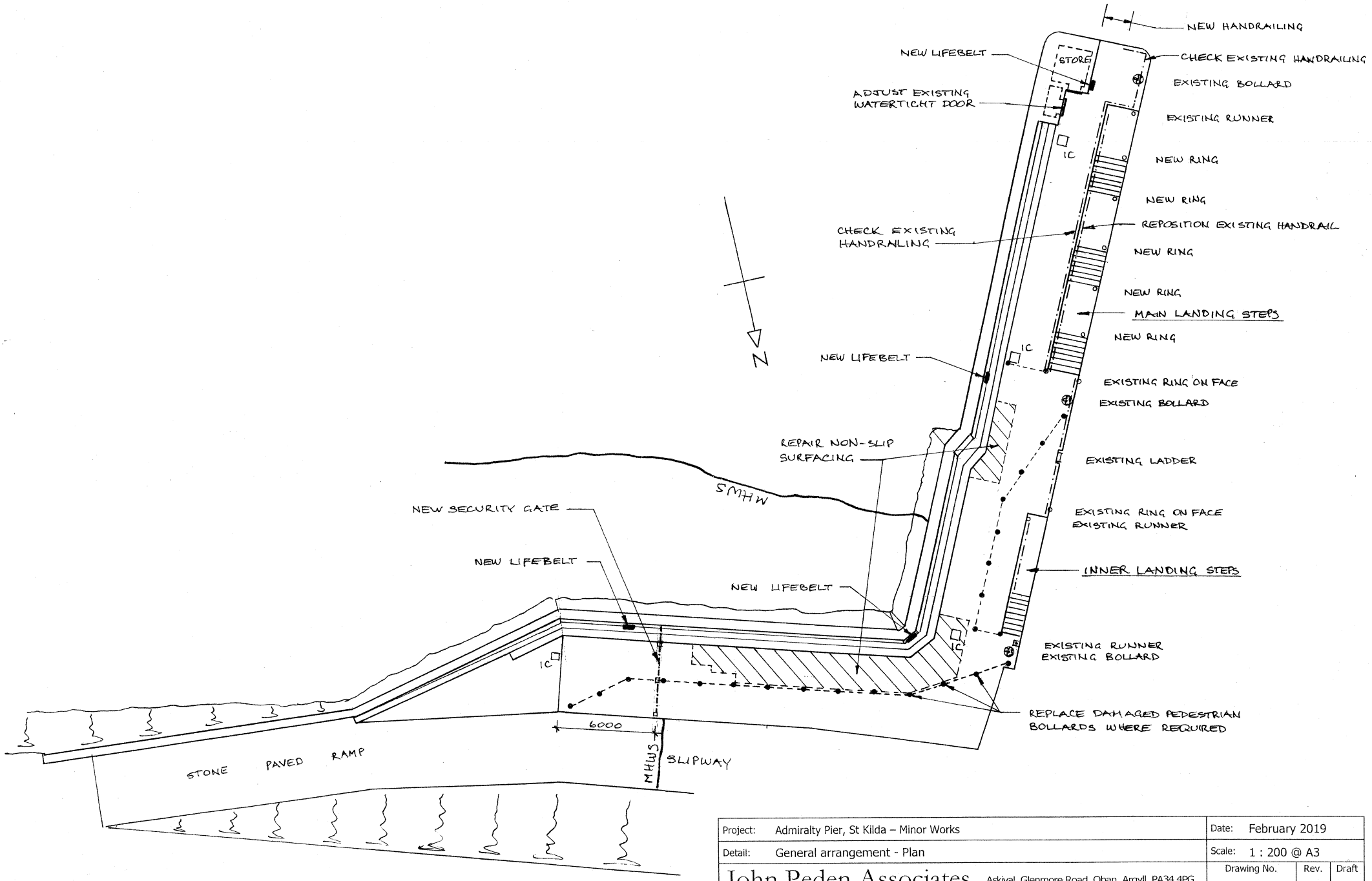
LIST OF TENDER DRAWINGS

2098/10	Site location plan
2098/11	General layout plan
2098/12	Security fence and gate – general arrangement
2098/13	Pier elevation
2098/14	Details of steps and landings

Site Co-ordinates: 57° 48.661'N 008° 33.992'W
57° 48.658'N 008° 33.982'W
57° 48.637'N 008° 33.996'W
57° 48.639'N 008° 34.006'W

MHWS: 3.4m CD

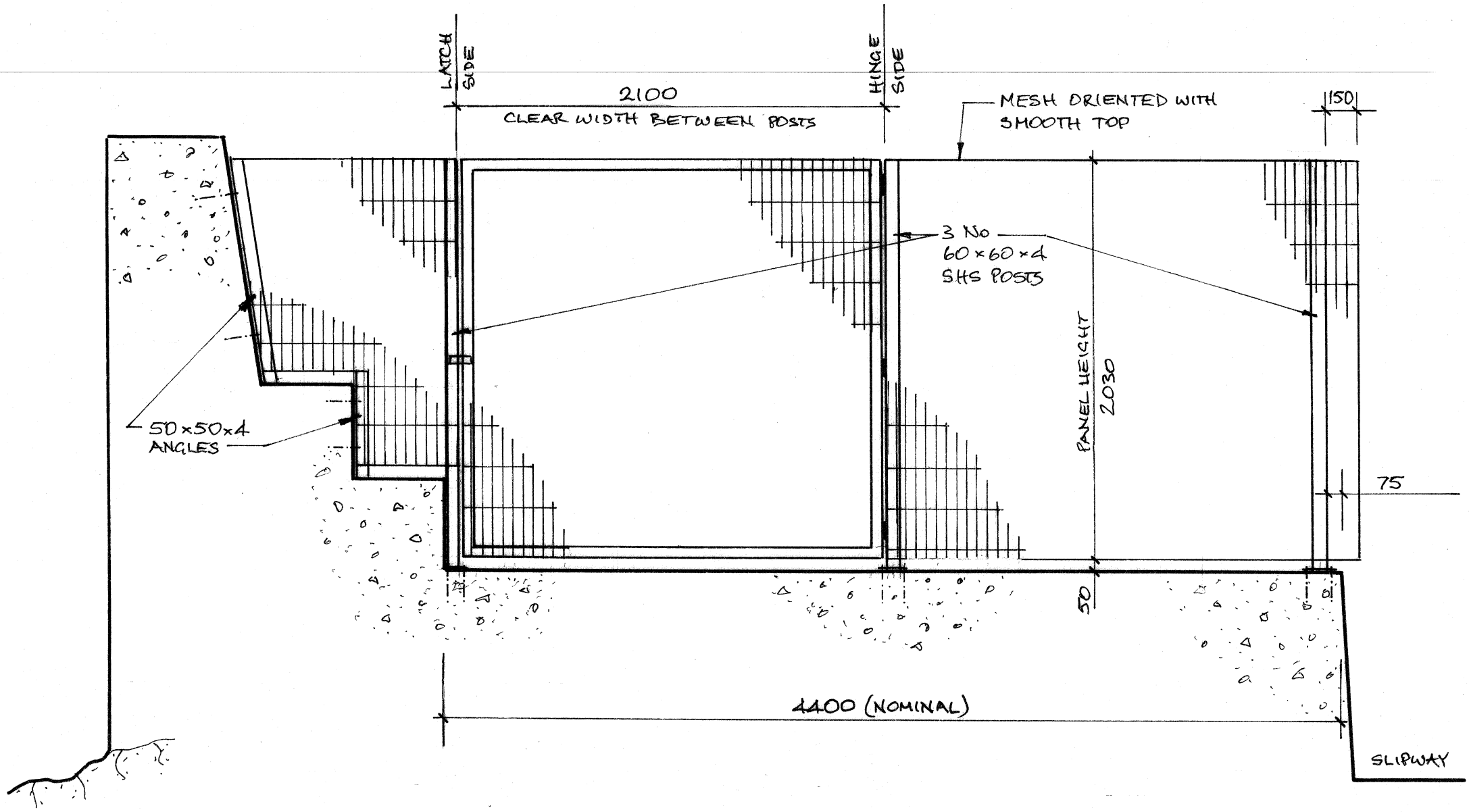
Project: Admiralty Pier, St Kilda – Minor Works		Date: February 2019	
Detail: Site location plan		Scale: 1 : 10,000 @ A4	
John Peden Associates CONSULTING CIVIL & STRUCTURAL ENGINEERS	Askival, Glenmore Road, Oban, Argyll, PA34 4PG T: 01631 570170 E: jpa@askival-oban.co.uk	Drawing No. 2098/10	Rev. / Draft



Project:	Admiralty Pier, St Kilda – Minor Works	Date:	February 2019
Detail:	General arrangement - Plan	Scale:	1 : 200 @ A3

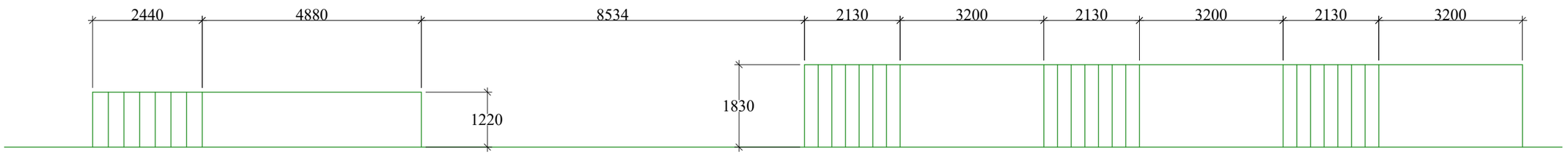
John Peden Associates
CONSULTING CIVIL & STRUCTURAL ENGINEERS
Askival, Glenmore Road, Oban, Argyll, PA34 4PG
T: 01631 570170 E: jpa@askival-oban.co.uk

Drawing No.	Rev.	Draft
2098/11		

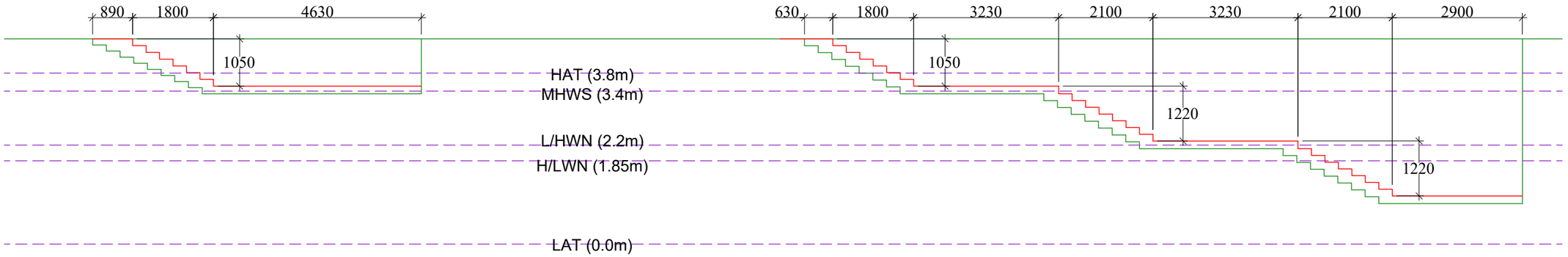


John Peden Associates CONSULTING CIVIL & STRUCTURAL ENGINEERS Askival, Glenmore Road, Oban, Argyll PA34 4PG Tel: 01631 570170	Project: Admiralty Pier, St Kilda – Minor Works	Scale: 1 : 25 @ A4	Drawing No. 2098/12	Rev.
	Detail: Security fence and gate – general arrangement	Date: February 2019		

ALL DIMENSIONS NOMINAL



Plan view on stairs:



Elevation on stairs:

original drawing size **A3**

0 10 20 30 40
scale in mm

NOTES:
- This drawing to be read in conjunction with all other Engineers drawings, notes, specifications and schedules.
- Green lines represent the original concrete.
- Red lines represent the line of the new concretre surfaces.

Drawing No. 2098/13 | Rev. P1

-- | --

Revisions | Date

John Peden Associates
CONSULTING CIVIL & STRUCTURAL ENGINEERS
Askival, Glenmore Road, Oban, Argyll, PA34 4PG
Tel: 01631 570170

Client: National Trust for Scotland

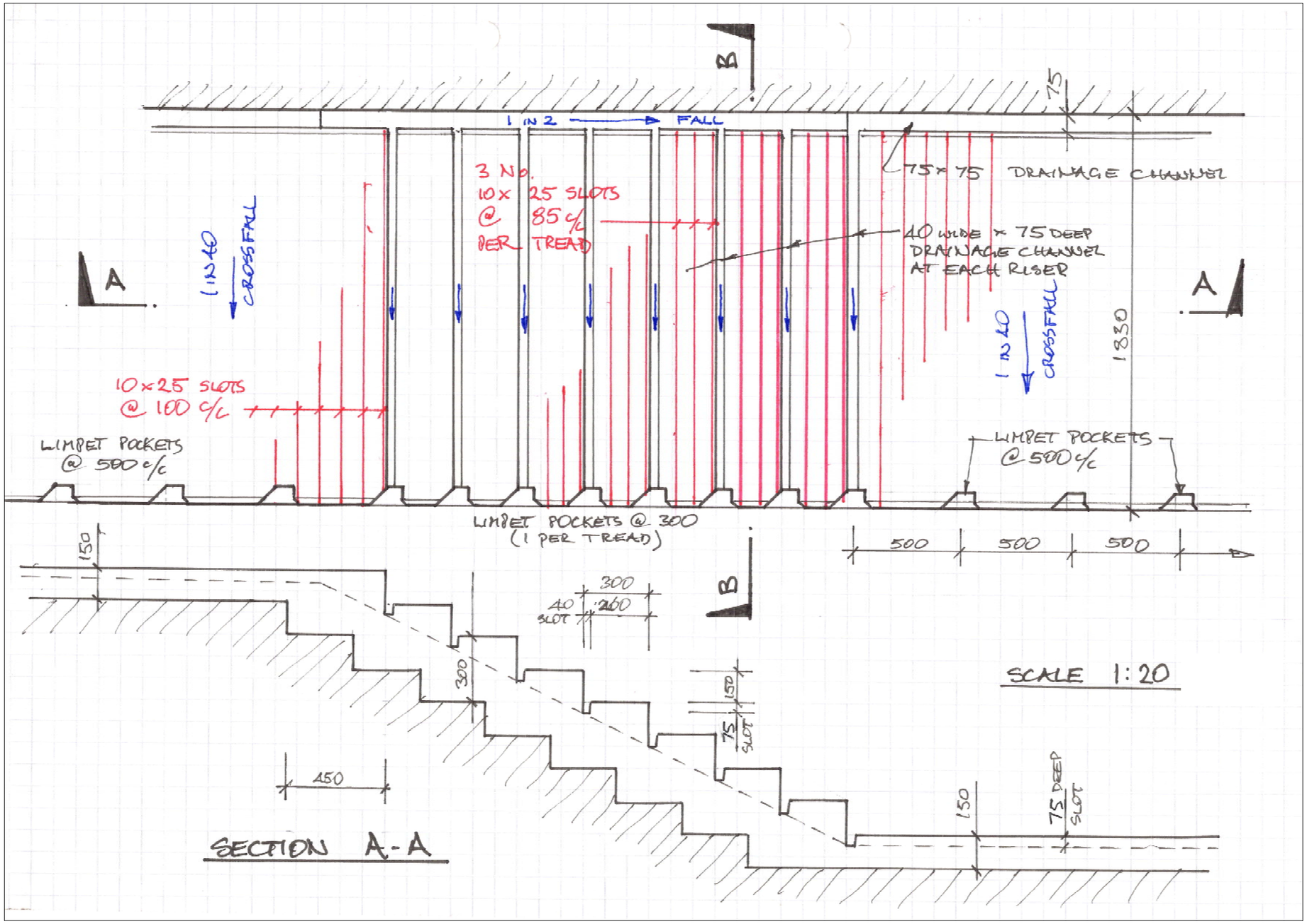
Project: St Kilda Pier

Drawing Title: Stairs reference plans

Drawn Redacted | Checked Redacted

Scale 1:100 | Date Feb 2019

Drawing No. 2098/13 | Rev P1 | Draft –



Detail plan and section on typical stair

original drawing size A3

0 10 20 30 40

scale in mm

NOTES:
- This drawing to be read in conjunction with all other Engineers drawings, notes, specifications and schedules.

Drawing No. 2098/14a

Rev. P1

-- --

Revisions Date

John Peden Associates
CONSULTING CIVIL & STRUCTURAL ENGINEERS
Askival, Glenmore Road, Oban, Argyll, PA34 4PG
Tel: 01631 570170

Client: National Trust for Scotland

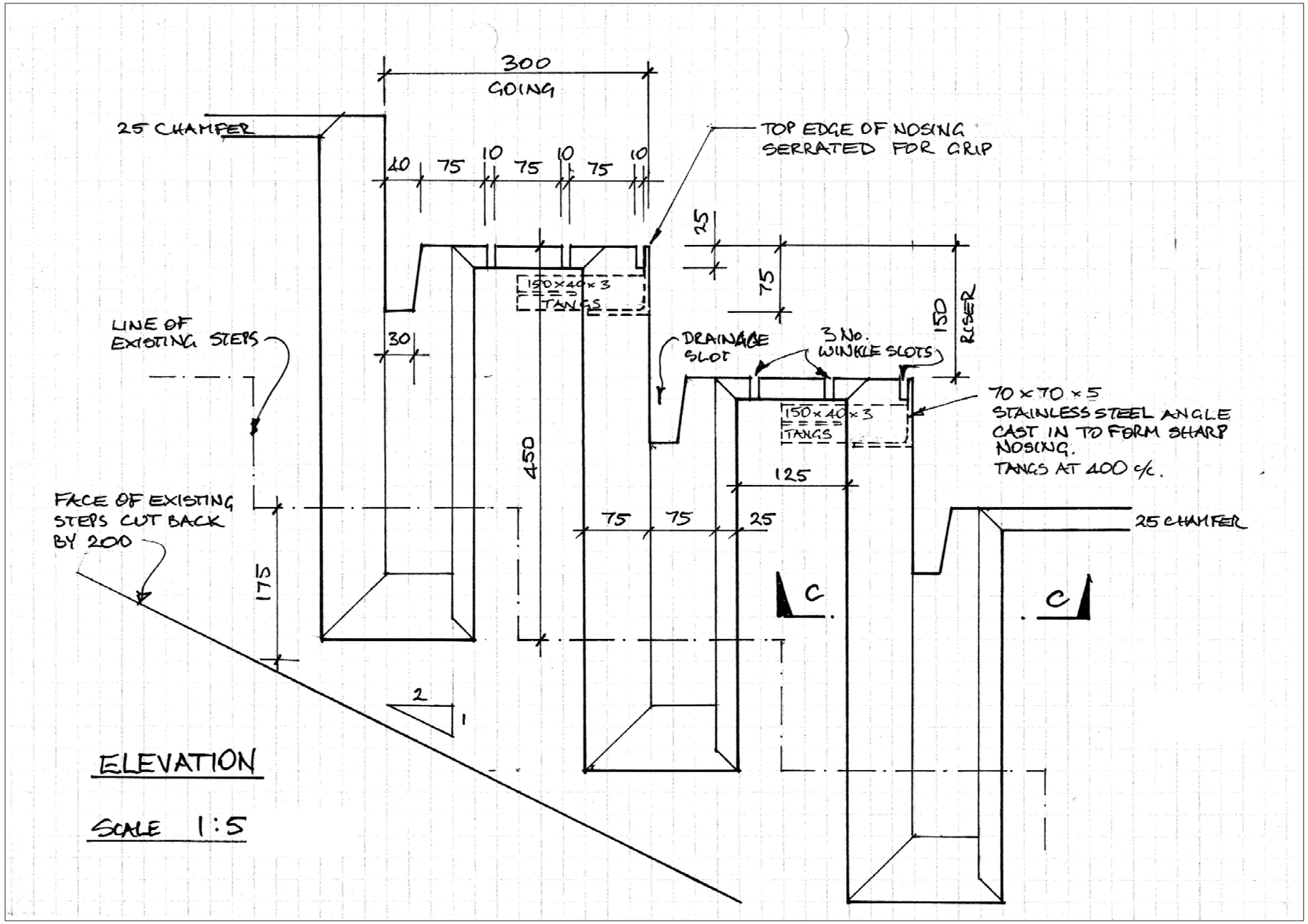
Project: St Kilda Pier

Drawing Title: Stairs details 1 of 3

Drawn Redacted | Checked Redacted

Scale 1:20 | Date Feb 2019

Drawing No. 2098/14a | Rev P1 | Draft –



Concrete feature details:

original drawing size A3

0 10 20 30 40
scale in mm

NOTES:
- This drawing to be read in conjunction with all other Engineers drawings, notes, specifications and schedules.

Drawing No. 2098/14b
Rev. P1

-- --
Revisions Date

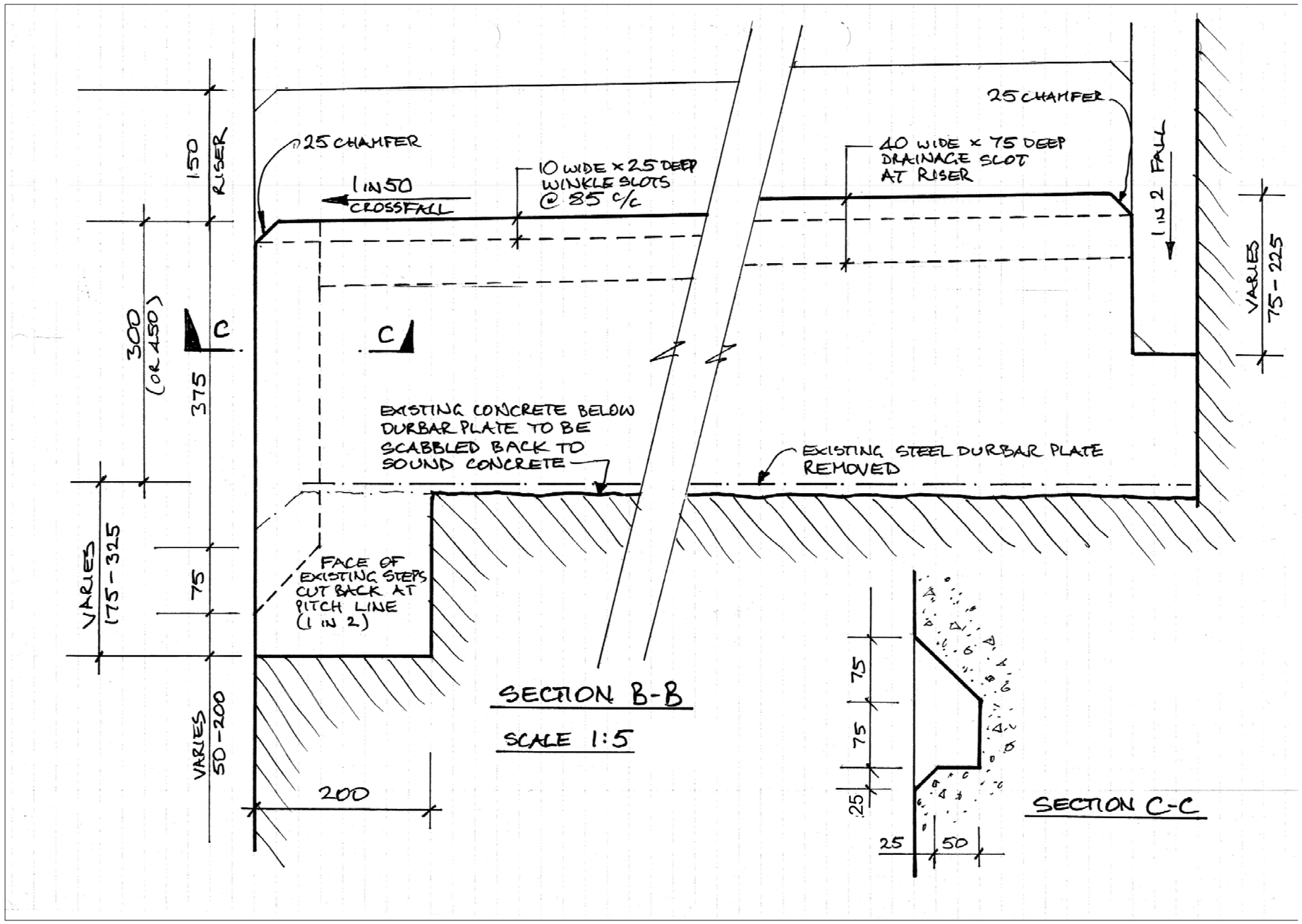
John Peden Associates
CONSULTING CIVIL & STRUCTURAL ENGINEERS
Askival, Glenmore Road, Oban, Argyll, PA34 4PG
Tel: 01631 570170

Client: National Trust for Scotland

Project: St Kilda Pier

Drawing Title: Stairs details 2 of 3

Drawn Redacted | Checked Redacted
Scale 1:5 | Date Feb 2019
Drawing No. 2098/14b | Rev P1 | Draft –



Detailed section of typical step:

original drawing size **A3**

0 10 20 30 40
scale in mm

NOTES:
- This drawing to be read in conjunction with all other Engineers drawings, notes, specifications and schedules.

Drawing No. 2098/14c | Rev. P1

-- | --

Revisions | Date

John Peden Associates
CONSULTING CIVIL & STRUCTURAL ENGINEERS
Askival, Glenmore Road, Oban, Argyll, PA34 4PG
Tel: 01631 570170

Client: National Trust for Scotland

Project: St Kilda Pier

Drawing Title: Stairs details 3 of 3

Drawn Redacted | Checked Redacted

Scale 1:5 | Date Feb 2019

Drawing No. 2098/14c | Rev. P1 | Draft –

Admiralty Pier, St Kilda
Contract 1 – Minor Works

Marine Scotland Licence Application

Question 5 (h) – Method Statement

The Contract requires the Contractor to prepare a detailed Method Statement for the Works prior to Commencement of the Works. This document will be submitted to Marine Scotland when it is available.

It is anticipated that the following working methods will be adopted:

- Construct and install temporary steel stairs and landing platforms. These may be half the width of the existing steps and landings to allow working access.
- Remove existing steel tread plates from steps, using cutting equipment.
- Break out unsound concrete and cut check in front face of pier. This will entail the use of pneumatic or petrol-driven cutting equipment, and suitable protective boarding.
- Erect timber formwork and cast new concrete steps and landings, using concrete admixtures to reduce wash-out.
- Cut slots in horizontal surfaces of steps and landings This will require measures to prevent the cutting dust from entering the sea.
- Move temporary steel stairs to give access to the remaining work areas.
- Install new stainless steel mooring rings on the concrete landings using resin fixings.
- Reposition existing stainless steel handrails using resin fixings.
- Remove temporary steel stairs and landings.

Admiralty Pier, St Kilda
Contract 1 – Minor Works

Marine Scotland Licence Application

Question 5 (i) – Potential impact

The works have the potential to create limited pollution of sea water locally to the works due to wash out of cement from concrete and from release of contaminated water. The contract specification has the following provision in relation to the avoidance of pollution:

> **Avoidance of pollution**
>
> St Kilda is a World Heritage Site and a Site of Special Scientific Interest amongst other designations. The Contractor shall take all measures necessary to ensure that no waste or contaminated materials are dumped on the island or discharged to the sea. These measures shall be in accordance with the Special Requirements for Prevention of Pollution to Watercourses by Civil Engineering Works issued by the Scottish Environmental Protection Agency and the National Trust for Scotland's Environmental Management Policy (see Appendix A). All surplus materials arising from the Works shall become the property of the Contractor and shall be removed from the Island.
>
> Prior to the commencement of the Works the Contractor shall prepare a Method Statement detailing the proposals for avoiding pollution and submit it to the Engineer for approval. The Method Statement shall incorporate a Site Waste Management Plan in compliance with the Trust's Environmental Management Policy.

The works also have a potential to introduce Invasive Non-Native Species (INNS) to St Kilda. The Contract Specification has the following provision to prevent the introduction of INNS:

> **Bio-security**
>
> St Kilda is one of only 35 global sites listed as a dual World Heritage Site, recognised for both natural and cultural heritage. It is significant for its vast colonies of seabirds, some of the largest in Europe. The St Kilda archipelago has only two native mammal species, wild sheep and a unique St Kilda mouse. The seabirds and mice are vulnerable to introduced mammal species like rats, mink. Other Invasive non-native species (INNS) would also threaten the unique eco-system, it is therefore vitally important that every measure possible is taken to prevent the introduction of animals, plants or pathogens that may cause harm to this unique and delicate environment.
>
> The Contractor shall consider how his working methods can achieve this objective and shall present a Bio-security Management Plan (BMP) which demonstrates how all works will ensure the protection of the islands' eco-systems from INNS. The BMP shall follow the Outline Guidelines at Appendix B.

APPENDIX A

ENVIRONMENTAL MANAGEMENT POLICY

Waste Management

The site is located within the St Kilda World Heritage Site (designated for both cultural heritage and natural heritage significance) and St Kilda is afforded a number of other statutory designations including: Site of Special Scientific Interest; Special Area of Conservation; Special Protection Area; National Nature Reserve. Although the site is isolated it is an increasingly popular tourist destination for various day trips from Skye and the Western Isles as well as passing yachts. There are seasonal NTS staff on site as well as volunteer works parties and researchers.
The seas around St Kilda are a marine World Heritage Site, therefore we expect all contractors to not only meet statutory standards but demonstrate a high level of environmental responsibility.
Waste management on St Kilda is overseen by QinetiQ and all contractors must comply with their systems of waste management and disposal.

All Contractors shall develop, implement and maintain a **Site Waste Management Plan** throughout the duration of the project. The following is for guidance and is non-exhaustive:

Waste Storage, Handling and Segregation
- Store wastes in areas away from surface / foul drains and watercourses
- Segregate all construction wastes, at a minimum, into hazardous and non-hazardous waste streams
- Segregate construction wastes into dry recyclables
- Cover waste containers if there is a risk that wastes may be blown out or the wastes contained therein are water sensitive e.g., plasterboard wastes
- Store waste oils in 110% bunding
- Use waste signage i.e., labels that specify waste contents
- There will be no bonfires and burning of waste materials on site.

Off-site Disposal of Site Waste Streams
- Ensure SEPA are given at least 72 hours pre-notification of a shipment of special waste from site
- Only use licensed waste carriers to transport wastes from site and obtain documentation to demonstrate registration
- Obtain full copies of the Waste Management Licences or Exemptions for the disposal locations of site waste streams.
- Contact the HS&S Advisor immediately in the event that site wastes are not taken to a licensed waste disposal / recycling facility.

Water Management

Abstraction, Impounding & Dewatering
- Obtain a CAR authorisation from SEPA for the abstraction of more than $10m_3$ of water / day from any controlled water
- Obtain a CAR Authorisation from SEPA prior to any impounding works commencing
- Comply with the relevant General Binding Rules of CAR (e.g. GBR 15 for dewatering excavations, GBR 2 for abstraction of less than 10m3.)
- Ensure that a pump head rose is used to reduce the risk of harm to aquatic life
- Ensure conformance to requirements of obtained licences /authorisations.

Discharges to Surface Water or Groundwater
- Consult with the SEPA as to the need for a CAR Authorisation for the discharge of effluent to surface waters prior to the discharge proceeding or comply with the relevant GBRs

• Ensure that the GT Permit-to-Pump system is used for all effluent pumping activities (refer to HS&S-BPG-W05-101)
• Obtain permission to discharge silt laden waters to land from the landowner and consult with the SEPA prior to discharge
• Ensure conformance to requirements of obtained permits / authorisations.
• Plant and equipment entering or working alongside watercourses should be well maintained, clean and free from oil leaks
• Prevent liquid / solid debris falling into a watercourse or onto an embankment or into the sea during construction activities.

Washing Activities
• Conduct all washing and cleaning operations (including the washing of vehicles and / or plant) in a designated area, which should be isolated from the surface water drainage systems and within hardstanding areas.
• Ensure no detergent contaminated wash down effluent is allowed to enter controlled waters unless permitted by the SEPA
• Direct detergent contaminated wash down effluent via the foul sewer (after having gained permission from the Water Company / Scottish Water) or ensure that it is contained for off-site disposal.
• Establish an impermeable concrete / mortar washout area at least 10m away from drains; surface waters.

Works in Tidal Waters
• Consult with Marine Scotland and SEPA before any construction works commence in, near, under or over tidal waters to ensure that all appropriate consents are obtained.
• Ensure conformance to requirements of any obtained consent /approval.

Nuisance Management

The environmental control measures defined below apply to all personnel including staff, subcontractors, suppliers and third parties; and all activities and operations associated with the project. These environmental control measures are in addition to the project specific control measures defined within the specification.

Noise and Vibration Controls
• Limit operation times to agreed working hours
• Comply with Section 61 Agreements (agreement with Local Authority to limit noise), if applicable or the principles of COPA if s.61 not required
• Notify and consult with all potentially affected parties that may be adversely affected from construction site noise either via verbal face to face communications or letter drops (HS&S-FRM-C03-06)
• Provide the local authority with advance notice of any works scheduled to take place outside agreed working hours
• Assess (e.g., via structural surveys) any and all structures that may be adversely impacted by vibration from vehicles or site activities
• Select inherently quiet plant, where appropriate
• Ensure all major compressors are 'sound reduced' models fitted with properly lined and sealed acoustic covers, where appropriate, that are kept closed whenever the machines are in use
• Ensure all ancillary pneumatic percussive tools are fitted with mufflers or silencers of the type recommended by the manufacturers
• Position ancillary plant (e.g., crushers, screeners, generators, compressors, pumps) to reduce noise disturbance, i.e. furthest from receptors or behind noise barriers
• Ensure subcontractors properly maintain and operate all plant according to manufacturer's recommendations so as to avoid causing excessive noise
• Place vibrating equipment or plant on a base separate to that on which any sensitive structure is located to reduce vibration impacts
• Programme deliveries to arrive during daytime hours only
• Take care when unloading vehicles to minimise noise

- Do not leave plant engines unnecessarily idling
- Regularly monitor both on and off site to ensure minimal noise and vibration impacts upon local neighbours and wildlife.

Dust & Odour Controls

- Cover all vehicles carrying loose materials

Dampen down haul roads, as necessary, to reduce dust emissions

- Conduct all cutting and grinding operations in a manner to reduce the risk of dust migration e.g., wet cutting techniques
- Adopt dust suppression techniques (e.g., water suppression) to reduce dust emissions from all crushing and screening activities
- • Regularly monitor both on and off site to ensure minimal dust and odour impacts upon local neighbours and wildlife.

Visual Impact & Light Controls

- Choose and assemble site lighting to reduce light nuisance impacts to local neighbours and wildlife
- Position lighting properly and direct light downwards to minimise impacts of light pollution on neighbours and wildlife
- Switch off site lighting or minimise its use during periods of site inactivity
- Keep site boundaries clean and tidy at all times

Hazardous Materials Management

The environmental control measures defined below apply to all personnel including staff, subcontractors, suppliers and third parties; and all activities and operations associated with the project.

Hazardous Materials Storage

- Develop a Spill Response Plan (HS&S-FRM-E04-01)
- Store hazardous materials more than 10m from a watercourse or surface water and / or foul water drainage gullies
- Undertake COSHH assessment for hazardous materials (HS&S-FRM-H02-01)
- Segregate COSHH raw material stores and COSHH waste stores
- Develop a Hazardous Materials & COSHH Register documenting materials stored and handling requirements (HS&S-FRM-H02-02)

Store hazardous material containers on secondary containment systems that will contain 110% of the contents of the largest container or 25% of the total, whichever is greater

- Protect hazardous material containers to minimise the ingress of rainwater and secure them against accidental damage
- Maintain and inspect hazardous material bunds and spill kits
- Monitor hazardous material storage areas for leaks and signs of spillage
- Provide site spill kits with instructions in areas of high risk (refer to HS&SBPG-E04-101)
- Undertake spill response exercises / drills at a frequency as defined within the Spill Response Plan
- Train staff in the use of spill kits and the correct disposal of used material.

Refuelling

- Undertake all plant refuelling on hardstanding or within defined areas that utilise drip trays / plant nappies
- Provide secure valves and nozzles on fuel storage tanks / bowsers
- Conduct refuelling activities at least 10m away from watercourses or surface / foul water drainage gullies
- Locate spill kits in all appropriate locations, with instructions for use

APPENDIX B

Bio-security Management Plan – outline guidelines

St Kilda is one of only 35 global sites listed as a dual World Heritage Site, recognised for both natural and cultural heritage. It is a SSSI and is subject to a number of other conservation designations. It is significant for its vast colonies of seabirds, some of the largest in Europe. The St Kilda archipelago has only two native mammal species, wild sheep and a unique St Kilda mouse. The seabirds and mice are vulnerable to introduced mammal species like rats, mink. Other Invasive non-native species (INNS) would also threaten the unique eco-system, it is therefore vitally important that every measure possible is taken to prevent the introduction of animals, plants or pathogens that may cause harm to this unique and delicate environment.

All contractors are required to present a bio-security management plan (BMP) which demonstrates how all works will ensure the protection of the islands' eco-system from INNS.

This should include:

Scope of the Works
A BMP should apply to:
· Off-site fabrication sites
· Off-site storage areas
· Export ports
· Transport vessels/aircraft
· Island landing port
· Storage on site
· Construction work on site
· All project specific construction staff and project related visitors

Roles and responsibilities

Risk Assessment

Mitigation

Management of the Work and Biosecurity Actions

Monitoring

Containment measures & quarantine

Response and eradication plan

Admiralty Pier, St Kilda
Contract 1 – Minor Works

Marine Scotland Licence Application

Question 10 – National Marine Plan

The application has been considered in relation to the following policies:

GEN 7 Landscape/seascape
The proposed works comprise the refurbishment of an existing structure, and as such will not change the visual impact of the site on the marine environment.

GEN 9 Natural heritage
(a) The proposed works do not infringe any legal requirements for protected areas and protected species.
(b) Special measures will be implemented to avoid negative impact on the national status of the Priority Marine Features of the site.
(c) Special working methods will be adopted to protect the health of the marine area.

GEN 10 Invasive non-native species
The contract for the works incorporates a requirement to prepare a Bio-security Management Plan to minimise the risk of introducing invasive non-native species to the site.

GEN 11 Marine litter
The contract for the works incorporates a requirement to prepare a Waste Management Plan to prevent marine litter.

GEN 12 Water quality and resource
The contract for the works incorporates a requirement to avoid pollution and to follow (a) the Special Requirements for Prevention of Pollution to Watercourses by Civil Engineering Works issued by SEPA and (b) the National Trust for Scotland's Environmental Protection Policy.

GEN 13 Noise
The works are not expected to generate significant amounts of loud impulsive noise at frequencies to which marine species are known to be sensitive.

GEN 20 Adaptive management
The proposals include measures to eliminate the normal practice of using chemical biocides to reduce the growth of algae, by creating a habitat conducive to the population of the structure by grazing mollusc species.


SUZUKI