
MARINE ASSET MANAGEMENT PLAN

1.0 EXECUTIVE SUMMARY

- 1.1 This report provides Members with an update on ongoing major, and/or noteworthy, schemes currently being addressed within the Council's Marine Asset Management Plan. Close liaison with Transport Scotland, CMAL and Calmac ensures that priorities are targeted accordingly.
- 1.2 Capital works programmed for this financial year, 2020 to 2021, totals £4.2 million. The Asset Management Plan lists the work to be carried out over 10 years (the current year and following 9 years) across the entire marine infrastructure; it also provides indicative budgets. Currently, the overall costs for planned works is approximately £90million. A report will come forward later in the year to provide Members with the latest version of the updated asset management plan, along with estimates, details of the funding model and potential effects on fees and charges.
- 1.3 In particular, this report provides an update on the following schemes:-
- Caignure
 - Iona and Fionnphort
 - Rothesay Harbour
 - Rothesay Pontoons
 - Link-spans – general
- 1.5 Members are asked to endorse this report.

MARINE ASSET MANAGEMENT PLAN

2.0 INTRODUCTION

- 2.1 This report provides Members with a further update on ongoing major, and/or noteworthy, schemes currently being addressed within the Council's Marine Asset Management Plan.

3.0 RECOMMENDATIONS

- 3.1 Members are asked to endorse this report.

4.0 BACKGROUND

- 4.0 Close liaison with Transport Scotland, CMAL and Calmac ensures that priorities can be established in the Asset Management Plan and targeted accordingly.

- 4.1 In particular, this report provides an update on the following schemes:-

- Caignure
- Iona and Fionnphort
- Rothesay Harbour
- Rothesay Pontoons
- Link-spans - general

5.0 DETAIL - The Asset Management Plan:-

- 5.1 Detail is provided below, and in the attached appendices, for some of the more major, or notable, schemes in the Asset Management Plan to provide Members with an indication of progress. Capital works programmed for this financial year, 2020 to 2021, totals £4.2 million.

- 5.2 The Asset Management Plan lists the work to be carried out over 10 years (the current year and following 9 years) across the entire marine infrastructure; it also provides indicative budgets. Currently, the overall costs for planned works is approximately £90million. A report will come forward later in the year to provide Members with the latest version of the updated asset management plan, along with estimates, details of the funding model and potential effects on fees and charges.

- 5.3 Caignure Pier:-

The 'Interim Options' Outline Business Case (OBC) for Caignure Pier is now at 'final draft' stage and findings will shortly be made available to stakeholders and the general public. The consultant Turner and Townsend was recently commissioned by the Council to progress the

long-term OBC – anticipated to be complete before the spring of next year. Appendix A provides details of interim-option costs and key milestone dates for the next phase.

5.4 Fionnphort / Iona Ferry Slips –

As previous reported, a brief for sedimentation modelling was awarded to the specialist consultant ‘JBA Consulting’, in late 2019 and their work is now complete. Findings from the sedimentation modelling suggest that deposition of sediment on the Iona coastline is greater than on the Fionnphort side; whilst these results will not impede current plans to progress both schemes, further analysis of results will be required along with possible reconsideration of current proposals for Iona.

With the information previously provided by Byrne Looby (outline design for both the over-night berth and breakwater, along with ground investigation results and a wave modelling analysis) and with sedimentation modelling information now produced by JBA, the in-house design team are now progressing with licence applications. Outline plans and the overall programme, indicating key activities and likely dates, are provided in Appendix B to this report. The programme indicates that construction on site at Fionnphort is likely to commence in the late summer of 2021.

5.5 Rothesay Harbour –

The consultant AECOM is continuing with design work to address settlement at Rothesay. AECOM has intimated that tender documentation, including design drawings, will be available by the end of September this year. This next phase of the works at Rothesay will take the form of both piling and grouting; this work will be required in order to stabilise infill material within the masonry pier. Appendix C shows a typical section, with the piling rig set up on the pier, with ferry berthed alongside. It also provides the overall programme for the project. Costs for this project are estimated to be in the region of £4.1 million.

5.6 Rothesay Pontoons:-

At the time of the last report in March of this year, tenders had been returned and award of the contract was pending. In fact, award of this contract was paused due to Covid-19 restrictions. However, at the time of writing this report, contract award is imminent with works on site expected to be complete by early November of this year.

Funding of £150k has been allocated through the Town Centre Fund with an additional £150K from the Coastal Community Fund i.e. a total budget of £300K has been allocated for necessary works, with prudential borrowing to make up any shortfall – as per the Harbour Board decision of December last year.

5.7 Link-spans –

The first of the two hydraulic cylinders has been replaced at Craignure and work to replace the second cylinder is being planned for late August. Photographs of the first cylinder under test and removal of the old cylinder are attached in Appendix D. Tender documentation for re-painting of both Craignure and Port Askaig link-spans is being progressed.

6.0 CONCLUSION

- 6.1 This report provides Members with an update on a number of marine-related projects which are all at various phases – from early feasibility stage to on-site construction stage.

7.0 IMPLICATIONS

- | | | |
|-------|--------------------------------------|---|
| 7.1 | Policy | None directly arising from this report. |
| 7.2 | Financial | Proposed additional increase in fees and charges will ensure that future income is sufficient to maintain and develop the Council's marine assets this financial year. Further fee increases will be required to fund prudential borrowing in future years. |
| 7.3 | Legal | Considered to be none directly arising from this report. |
| 7.4 | HR | None |
| 7.5 | Fairer Scotland Duty | |
| 7.5.1 | Equalities protected characteristics | None directly arising from this report |
| 7.5.2 | Socio-economic Duty | None directly arising from this report |
| 7.5.3 | Islands | See risk below |
| 7.6 | Risk | Completed works will reduce requirement to repair and maintain existing infrastructure. |
| 7.7 | Customer Services | Overall improvement in travel experience and quality of journeys. |

Executive Director with responsibility for Roads and Infrastructure:

Kirsty Flanagan

Policy Lead: Cllr Robin Currie

August 2020

For further information contact:

Stewart Clark, Marine Operations Manager Tel: 01546 604893

Jim Smith: Head of Roads & Infrastructure Services Tel: 01546 604324

APPENDICES

Appendix A – Craignure Pier – Interim Options and Long-Term Programme

Appendix B – Iona / Fionnphort – Outline Designs and Programme

Appendix C – Rothesay – Typical Section / Programme

Appendix D – Replacement of cylinder at Craignure link-span

APPENDIX A

CRAIGNURE -

**Interim Options and (present value)
Costs**

&

Key Milestones

Scenario		Cash Cost (2020 prices)	Cash Cost (2020 prices): <i>Risk Adjusted</i>	PVC	PVC: <i>Risk Adjusted</i>
A	Interim Option 0: Do Nothing + Long Term (2027 opening)	£44.9m	£64.7m	£26.8m	£38.6m
B	Interim Option 1: Do Minimum + Long Term (2027 opening)	£46.6m	£67.1m	£27.8m	£40.0m
C	Interim Option 1: Do Minimum + Long Term (2035 opening)	£46.6m	£67.1m	£18.1m	£26.0m
D	Interim Option 2: Pier Extension + Long Term (2027 opening)	£57.6m	£82.9m	£33.8m	£48.7m
E	Interim Option 2: Pier Extension + Long Term (2035 opening)	£57.6m	£82.9m	£24.1m	£34.7m

Craignure Pier

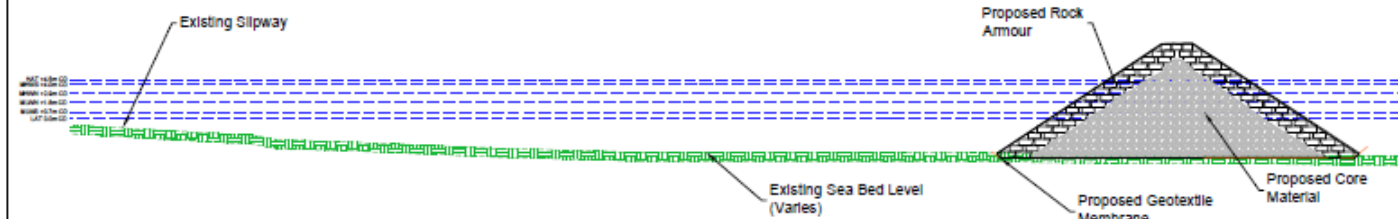
Key Milestone Dates for Long-Term Solution

- Craignure Ferry Terminal Long Term OBC - complete Spring 2021
- Scope and procure GI and detailed design of preferred long-term option, Summer 2021 – late Autumn 2021
- Scope and procure FBC, Autumn 2021 – Winter 2021
- Prepare FBC, Winter 2021 – Spring 2023
- Undertake GI, Spring 2022 – Summer 2022
- Progress Detailed Design, Spring 2022 – Spring 2023
- FBC finalised, requirement for all funding to be in place – Summer 2023
- Tender and award construction works, Summer 2023 – Autumn 2023
- Construction, Spring 2024 – Winter 2026 /Spring 2027
- New ferry terminal opens – Spring 2027

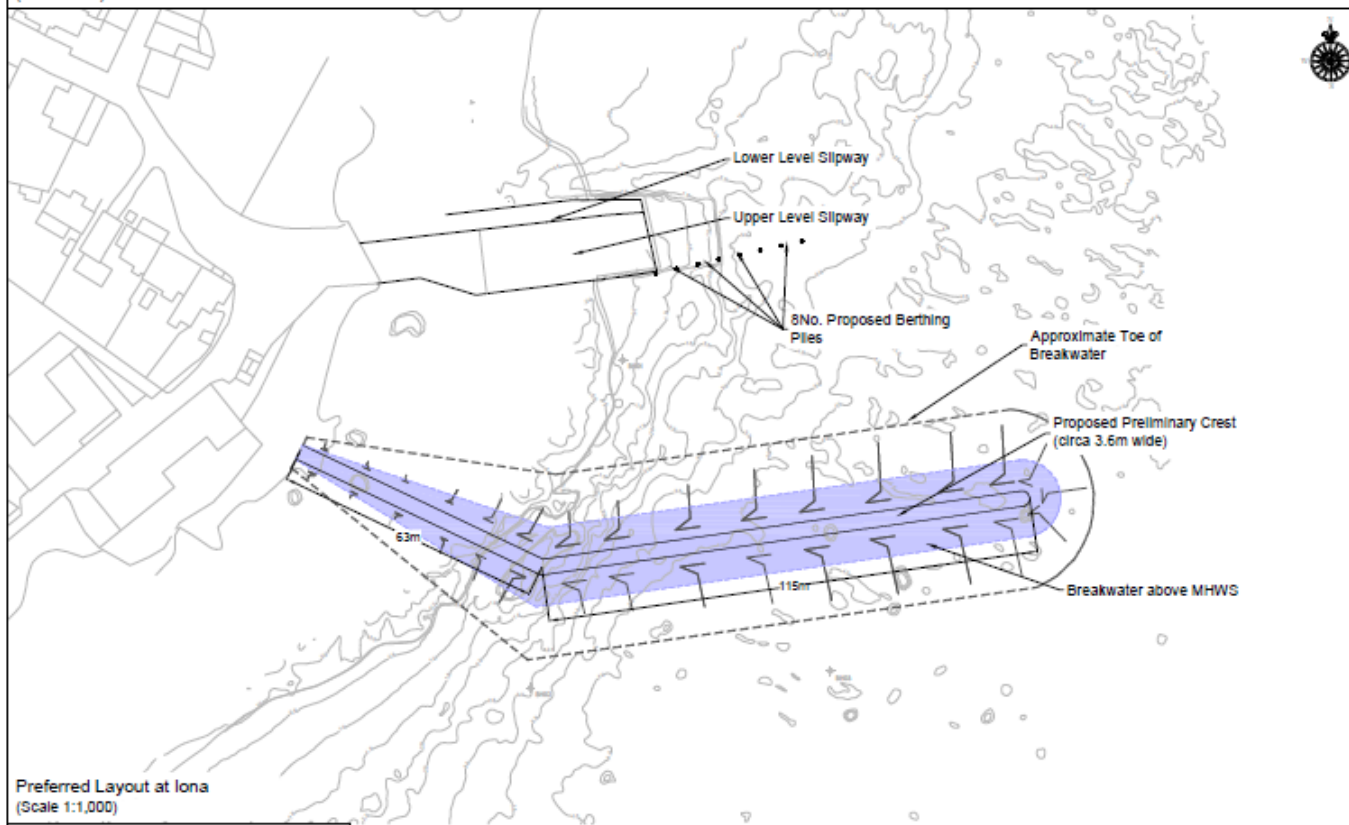
APPENDIX B IONA & FIONNPHORT

Outline Plans and Programme

A3



Cross-Section Through Proposed Breakwater
(Scale 1:500)



Preferred Layout at Iona
(Scale 1:1,000)

© BYRNE LOOBY PARTNERS. ALL RIGHTS RESERVED. CONFIDENTIAL AND PROPRIETARY.

GENERAL NOTES

Notes:

1. This drawing is to be read with all other ByrneLooby drawings and any other relevant documents.
2. Do not scale off drawings.
3. Dimensions in millimetres unless noted otherwise.
4. Levels in metres relative to the datum.
5. Breakwater subject to detailed design and consenting.

NO	DATE	DESCRIPTION	BY	CHK	APP
01	21/07	Feasibility Study	PM	SMC	AG
Rev	Date	Description	By	Chk	App

BYRNE LOOBY

www.byrnelooby.com

WELSH UK UNITED ARAB EMIRATES SAUDI ARABIA

CLIENT

Argyll & Bute Council

PROJECT

Iona and Flornphort
Marine Access Improvements

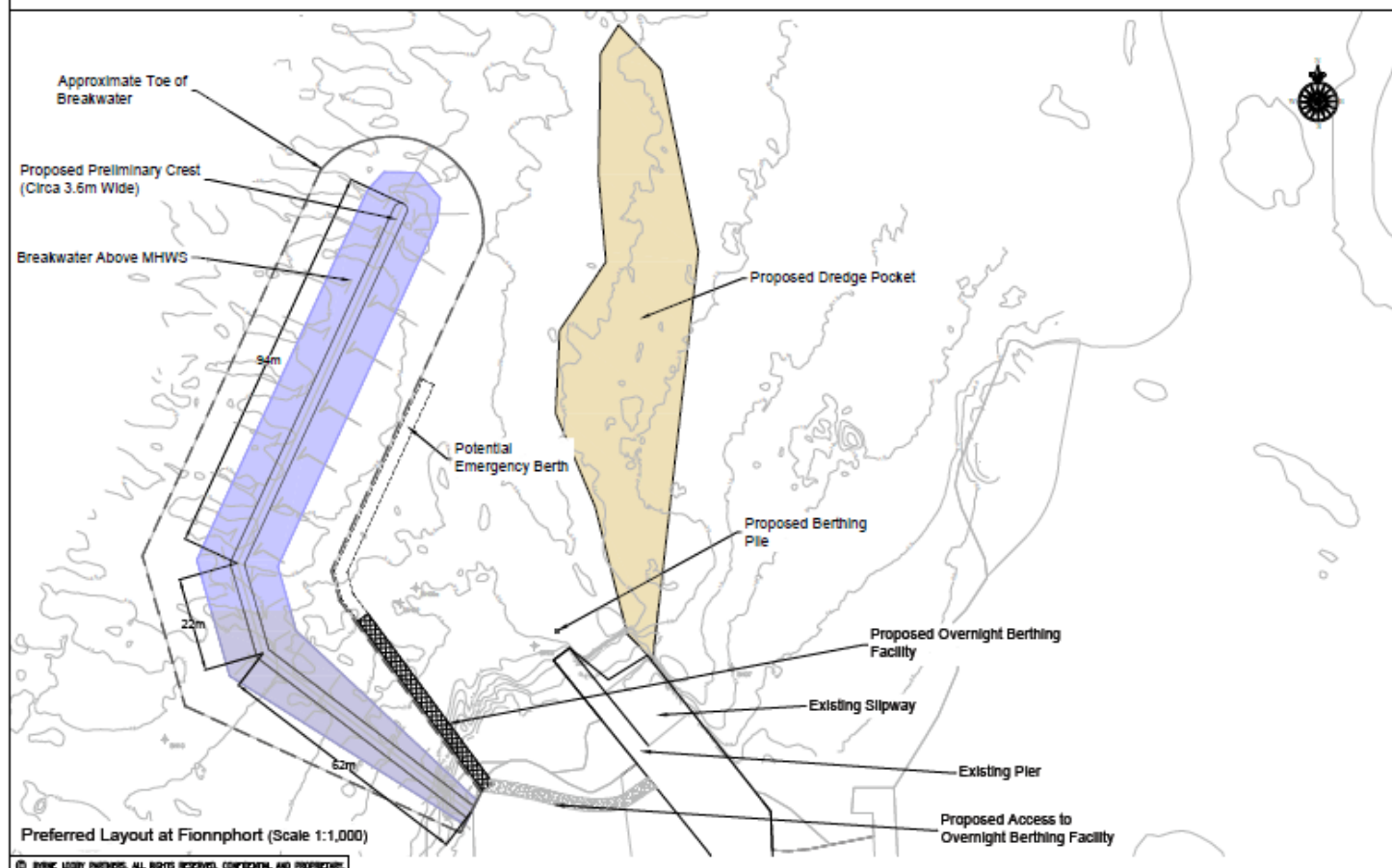
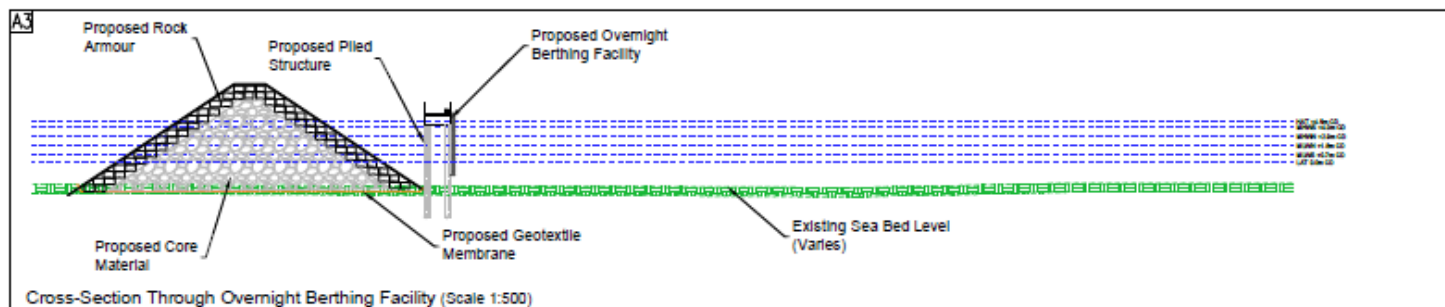
DRAWING TITLE

Preferred Layout at Iona

STATUS

Feasibility Study

Date: 20/07/2016	Scale: 1:500 @ A3	Drawn: PM	Chk: SMC	App: AG
Project No: CM1052	Draw No: CM1052_MA_0803_DWG	Rev: 00		



GENERAL NOTES

Notes:

1. This drawing is to be read with all other ByrneLooby drawings and any other relevant documents.
2. Do not scale off drawings.
3. Dimensions in millimetres unless noted otherwise.
4. Levels in metres relative to sea datum.
5. Breakwater subject to detailed design and consenting.

BY	DATE	DESCRIPTION	BY	CHK	APP
PM	DATE	DESCRIPTION	BY	CHK	APP

BYRNE LOOBY
www.byrnelooby.com
PILBROOK UK UNITED ARAB EMIRATES BAHRAIN

CLIENT
Argyll & Bute Council

PROJECT
**Isle and Fionnphort
Marine Access Improvements**

DRAWING TITLE
Preferred Layout at Fionnphort

STATUS
Feasibility Study

Date: 20/01/2016	Scale: 1:500	Drawn: PM	Chk: AG	App: AG
Project No: CM1052	Org. No: CM1052_MA_0802_DWG	Rev: 00		

Argyll & Bute Council
IONA AND FIONNPHORT
Outline Delivery Programme

[illegible]

APPENDIX C

ROTHESAY HARBOUR -

Typical section showing piling rig /

Programme of Works

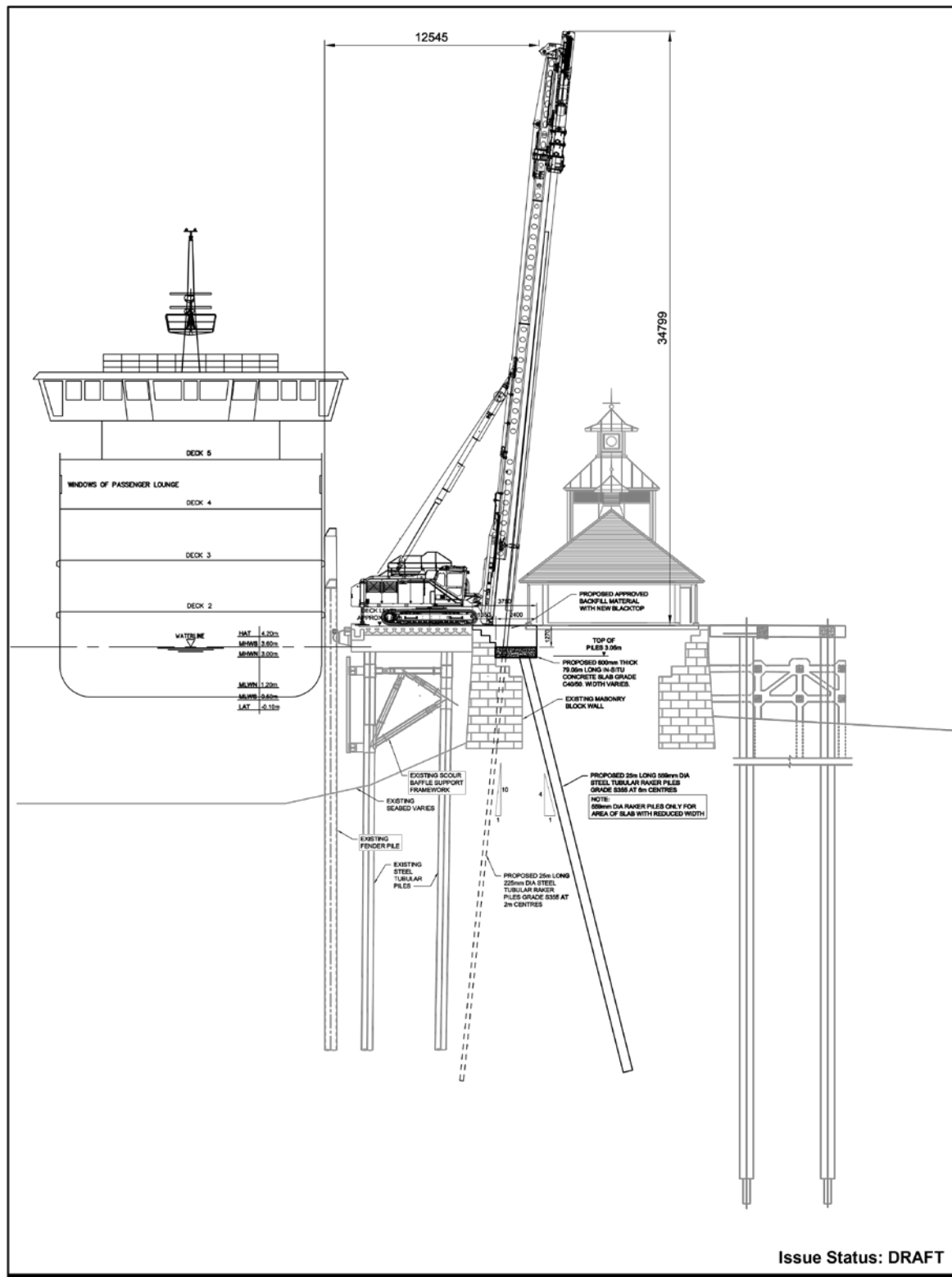
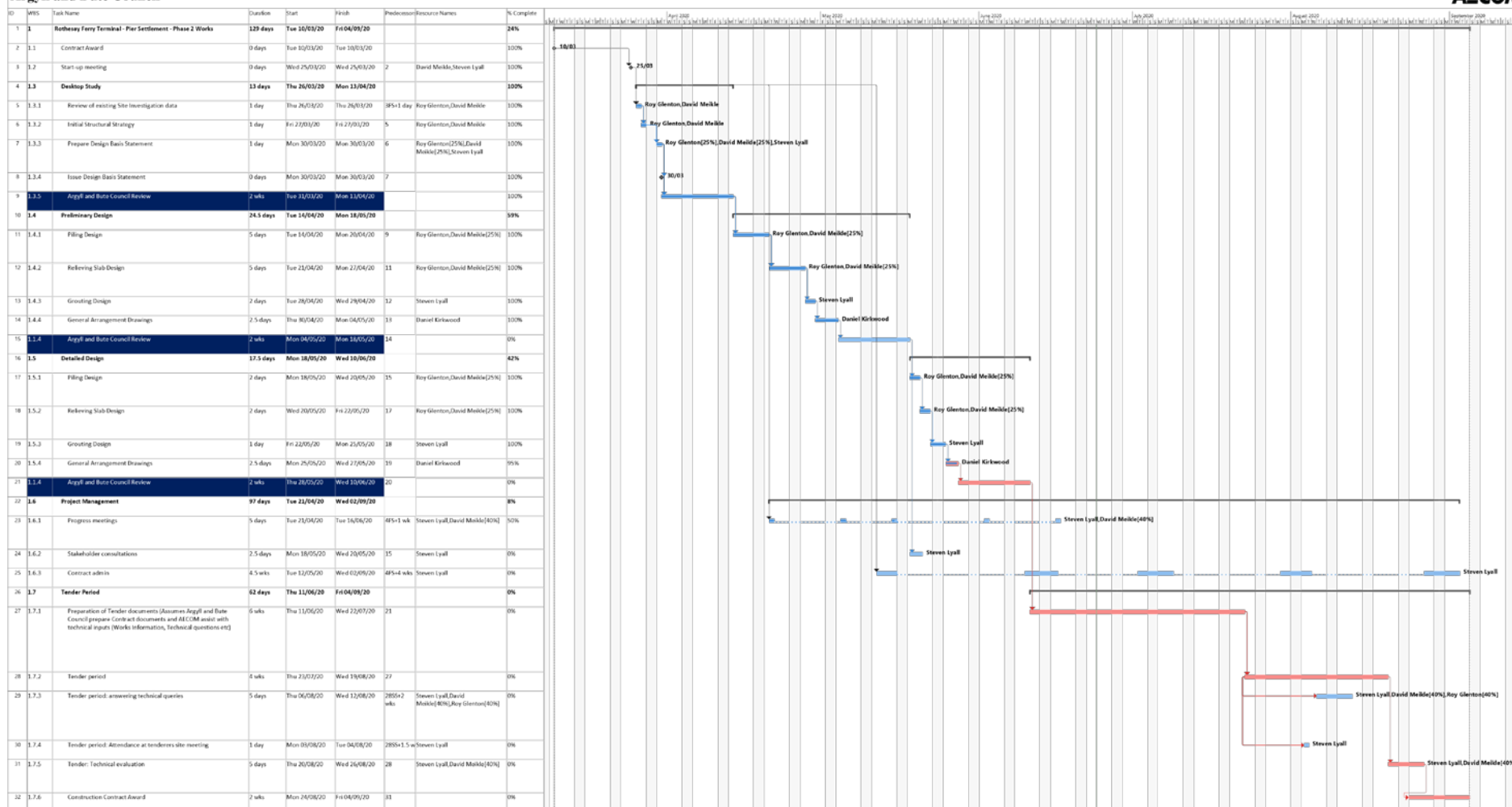


FIGURE 4 - PILING RIG/MV ARGYLE/BUTE POSITION
 RAKING FRONT PILES
 ARGYLL AND BUTE COUNCIL
 Project No.: 60532311

Argyll and Bute Council

Rothesay Ferry Terminal - Pier Settlement - Phase 2 Works

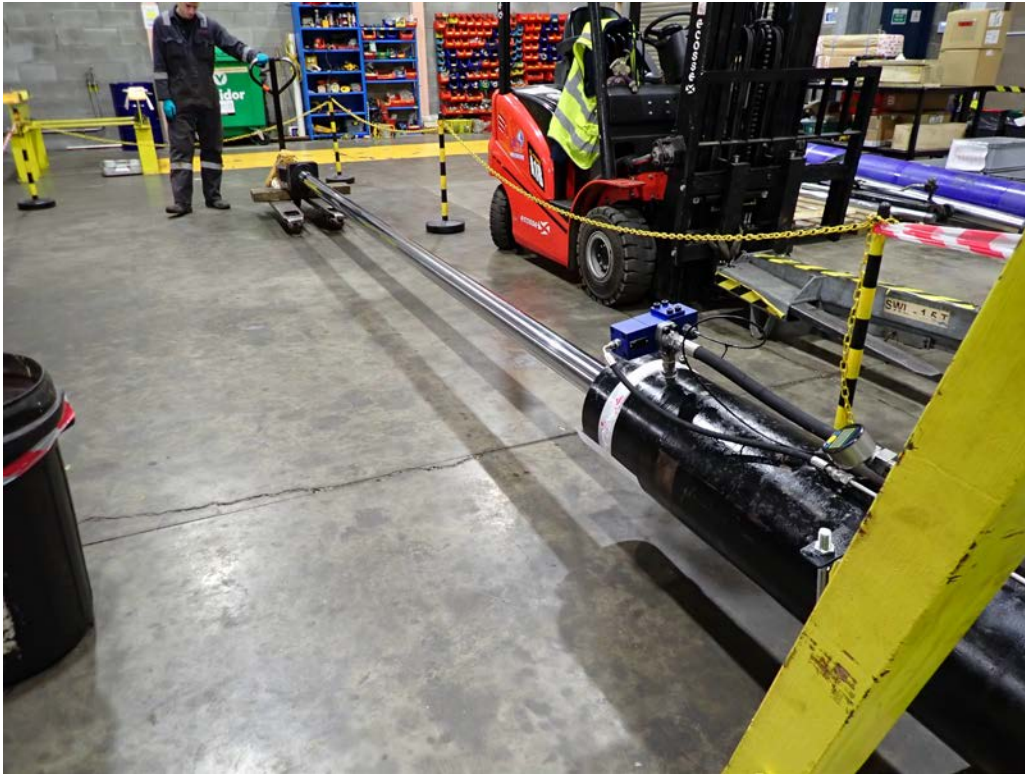
AECOM

Project: Rothesay Ferry Terminal
Date: Wed 24/05/20By: Steven Lyall
Check: Abhishek Chandra
Review: David Meikle

APPENDIX D

LINK-SPAN – CRAIGNURE REPLACING HYDRAULIC CYLINDER

Photos



Preparing spare cylinder at contractor's workshop



Replacing hydraulic cylinder - Craignure