IL-MELLIEĦA – MOLL TAL-MARFA – PERMESSI GĦAL XOGĦLIJIET FIŻ-ŻONA

***21413. L-ONOR ROBERT CUTAJAR** staqsa lill-Ministru għall-Ambjent, it-Tibdil fil-Klima u l-Ippjanar: Jista' l-Ministru jpoġġi fuq il-Mejda tal-Kamra l-permessi kollha relatati maħruġa mill-Awtorità tal-Ambjent u r-Riżorsi (ERA) u l-Awtorità tal-Ippjanar dwar xogħlijiet li għaddejjin bħalissa fuq il-moll tal-Marfa, limiti tal-Mellieħa?

25/05/2021

ONOR. AARON FARRUGIA: Ninforma lill-Onor. Interpellant li qed inpoġġi kopja tad-dokumenti mitluba fuq il-Mejda tal-Kamra.

Seduta Numru 469
02/06/2021

PQ21413

Environmental Permit

Environment Protection Act (CAP. 549)

Permit number:
EP 1188/21

Approved documents
EP 1188/21/1G/1K/22A/24A

The Environment and Resources Authority (hereinafter the Authority; the Competent Authority or ERA) in exercise of its powers under the Environment Protection Act (CAP. 549), hereby authorises:

Mr Kevin Farrugia obo Transport Malta (hereinafter "the Permit Holder"),Of / Whose Registered Office (or principal place of business) is at

Triq Pantar
Ħal-Lija LJA2020

Renewal of NP0172/18 for dismantling and re-building of existing slipway at

Ir-Ramla tal-Bir, Ċirkewwa

to the extent authorised by and subject to the conditions of this Permit.

The validity of this permit for one (1) year from the date of issue.

Signed	Date
[redacted] Prof. Victor Axiak Chairman	Permit Granted: 26 / 05 / 2021

Authorised to sign on behalf of the Competent Authority

Ing. Fredrick Azzopardi

Date: 24 July 2020
Our Ref: PA/09966/19

Application Number:	PA/09966/19
Application Type:	Full development permission
Date Received:	11 October 2019
Approved Documents:	PA 9966/19/1A/59A; and
	Supporting documents:
	PA 9966/19/59B - Works Method Statement
	Conditions imposed by other Authorities / Departments
	PA 9966/19/34A - Water Services Corporation
	PA 9966/19/41A - Transport Malta
	PA 9966/19/43A - Lands Authority
	PA 9966/19/62A - Superintendence of Cultural Heritage
	PA 9966/19/63A - Environment and Resources Authority
Location:	Ramla tal-Bir Comino Jetty, Opp, Triq ta' Msid, Marfa, Mellieha
Proposal:	Demolition and Reconstruction of jetty and seawall including the removal of fender blocks and the replacement of deteriorated bollards.

Development Planning Act, 2016
Full Development Permission

The Planning Authority hereby grants development permission in accordance with the application and documents described above, subject to the following conditions:

1 The works hereby being permitted are subject to a bank guarantee to the value of € 23,000 (twenty three thousand Euro) to ensure:

- Compliance with this monitoring condition;
- That the restoration works are carried out in conformity with the approved Works Method Statement PA9966/19/59B;
- That conditions in document PA9966/19/62A are complied with.

The bank guarantee shall only be released after SCH officers confirm compliance with this condition. In the event that the works have not been carried out in accordance with the approved method statement or instructions given by the Planning Authority, the bank guarantee shall be forfeited. Its forfeiture would not, however, preclude the applicant from

adhering to all the conditions contained in this development permission.

Applicant / perit is reminded about the need to submit the commencement notice as per standard conditions included with this permit. Failure to submit this notice will ipso facto result in a 10% forfeiture of the bank guarantee.

2 The conditions imposed and enforced by the Water Services Corporation, Transport Malta, Lands Authority, the Superintendence of Cultural Heritage and the Environment and Resources Authority are at supporting documents PA 9966/19/34A, PA 9966/19/41A, PA 9966/19/43A, PA 9966/19/62A and PA9966/19/63A respectively.

The architect/applicant is required to contact the Water Services Corporation, Transport Malta, Lands Authority the Superintendence of Cultural Heritage and the Environment and Resources Authority, throughout the implementation of the development hereby approved, to ensure conformity with the imposed conditions. A copy of the relative correspondence issued by the Water Services Corporation, Transport Malta, Lands Authority, the Superintendence of Cultural Heritage and the Environment and Resources Authority shall be submitted to the Planning Authority accordingly.

3 a) This permit does not cover the installation of external lighting. Specific planning consent would be required for the installation of external artificial lighting.

b) This permission does not grant consent for the erection of distribution poles and overhead lines. No new distribution poles or overhanging electricity cables are to be erected to supply electricity to the building hereby approved. The electrical connection of the building hereby approved to the nearest electricity source shall be provided through adequate underground ducts, installed at the applicant's expense, to the satisfaction of the Planing Authority. This applies to other services to be installed that would require the erection of poles or other supports. Unless indicated on the approved drawings of this permission, a separate application/notification needs to be submitted to obtain the necessary approval.

4 a) This development permission is valid for a period of FIVE YEARS from the date of publication of the decision in the press but will cease to be valid if the development is not completed by the end of this validity period.

b) This permission relates only to the development as specifically indicated on the approved drawings. This permission does not sanction any other illegal development that may exist on the site.

c) A Commencement Notice is to be submitted to the Planning Authority, by the perit on behalf of the applicant, at least FIVE DAYS prior to the date of commencement of works or utilisation of the permission. Failure to submit the Commencement Notice (with all fields correctly completed) or failure to submit it within the required timeframe shall invalidate the Notice and shall result in the imposition of fines according to Schedule D of Legal Notice 277 of 2012, or its amendments, or its replacements. In addition, **if the applicant fails to submit the Commencement Notice or the Commencement Notice submitted is invalid, the relative permission shall be considered as never having been utilised** - Article 72(4) of the Development Planning Act (2016).

d) Copies of all approved drawings and documents shall be available for inspection on site by Planning Authority officers at all reasonable times.

e) The development shall be carried out in complete accordance with the approved drawings, documents and conditions of this permission. Where a matter is not specified, then the conditions of this permission and of Development Control Design Policy, Guidance and Standards 2015 shall apply.

f) Before any part of the development hereby permitted commences, the enclosed green copy of this development permission shall be displayed on the site. This must be mounted on a notice board, suitably protected from the weather and located not more than 2 metres above ground level at a point on the site boundary where it is clearly visible and can be easily read from the street. The copy of the permission must be maintained in a good condition and it shall remain displayed on the site until the works are completed.

g) All building works shall be erected in accordance with the official alignment and official/existing finished road levels as set out on site by the Planning Authority's Land Surveyor. A Setting Out Request must be submitted to the Land Survey Unit of the Planning Authority, prior to the commencement of works on site, when the setting out of the alignment and levels is required.

h) Where an officially schemed street, within the development zone, bordering the site is unopened or unformed, it shall be opened up and brought up to its proper, approved and official formation levels prior to the commencement of any development hereby being permitted.

i) It is the responsibility of the permit holder to ensure that development is carried out in accordance with the provisions of the Environmental Management Construction Site Regulations, Legal Notice 295 of 2007 (or subsequent amendments). Any hoarding shall be erected in accordance with Schedule 2 of the same Regulations.

j) New development on vacant or redeveloped sites shall be provided with a water cistern to store rainwater run-off as required by the Energy Performance of Buildings Regulations (2012) [published through Legal Notice 376 of 2012 and any amendments thereto].

k) No steps, ramps or street furniture are to be constructed on or encroached onto the public pavement or road.

l) There shall be no service pipes, cables or wires visible on the front elevation or on any other elevations of the building which are visible from the street or public space.

5 **Conditions imposed and enforced by other entities**

A. Where construction activity is involved:

(a) the applicant shall:

(i) Appoint a Project Supervisor for the Design Stage and a Project Supervisor for the Construction Stage and any such appointment shall be terminated, changed or renewed as necessary. The same person may be appointed to act as project supervisor for both the design and construction stage, if that person is competent to undertake the

duties involved and

(ii) Keep a health and safety file prepared by the Project Supervisor for the Design Stage.

(b) When the construction works related to this application are scheduled to last longer than thirty working days and on which more than twenty workers are occupied simultaneously, or on which the volume of work is scheduled to exceed five hundred person-days, the project supervisor **shall communicate a prior notice to the Occupational Health and Safety Authority (OHSA) at least four calendar weeks before commencement of works**.

(c) The Project Supervisor for the Design Stage shall **draw up a health and safety plan** which sets out the occupational health and safety rules applicable to the construction activities concerned, outlining the measures to ensure cooperation between different contractors and shall also include specific measures concerning occupational risks that may be present at this site.

B. Where the development concerns a change of use to a place of work, the applicant shall obtain a Perit's declaration that the building conforms to the requirements of LN 44 of 2002.

C. Where the development concerns a place of work:

The applicant shall:
(i) obtain a Perit's declaration that the necessary requirements arising out of LN 44 of 2002 have been included in the plans and drawings; and

(ii) obtain a Perit's declaration that the building conforms to the requirements of LN 44 of 2002.

D. The development is to strictly adhere to the 'Design Guidelines on fire safety for buildings in Malta' to ensure that all Fire Safety measures and provisions are addressed as indicated in the Design Guidelines on Fire Safety for Buildings in Malta, published by the DCID in 2004, (or other relevant standard, provided it is approved by the Civil Protection Department), Policies, and the Laws and Regulations of Malta.

E. Prior to laying of water and wastewater services in the road, the development shall comply with the requirements of Legal Notice 29/10 Part III (Roads in inhabited Areas) Clause 12.

F. In the event of an accidental discovery in the course of approved works, any cultural heritage feature discovered should not be damaged or disturbed and the Superintendence is to be immediately informed of such discovery. Any cultural heritage features discovered are to be investigated, evaluated and protected in line with the Cultural Heritage Act 2019 (CAP 445). The discovery of cultural heritage features may require the amendment of approved plans.

G. For new development, the following condition, imposed and enforced by Enemalta, applies:

A culvert measuring 0.8m wide by 0.75m deep should be prepared along the façade of the

development in order that any overhead lines may be substituted by underground cables. The culvert is to be interconnected to an adequate space consisting of a **small room or recess** located near the **entrance**, provided for the purpose of housing the electricity meter. Another adequate space for the purpose of housing the electricity meters, consisting of a **small room or recess** located in the basement near the **entrance**, also interconnected to the culvert, is to be provided. The architect/applicant is required to contact Enemalta, throughout the implementation of the development hereby approved, to ensure conformity with the imposed conditions. A copy of the relative correspondence issued by Enemalta shall be submitted to the Planning Authority accordingly.

In terms of Article 72(3) of the Development Planning Act, 2016, the execution and validity of this permission is automatically temporarily **suspended** and no works as approved by the said development permission may commence before the lapse of the time period established in Article 13 of the Environment and Planning Review Tribunal Act and subsequently will remain so suspended if the Tribunal so decides in accordance with the Environment and Planning Review Tribunal Act.

Where the approved drawings and/or documents are dimensioned, then the declared dimensions shall prevail over the actual size as depicted on the approved drawings and/or documents.

Developers are advised to check the invert level to the sewer main with the Water Services Corporation as they would have to make their own arrangements where a gravity service connection is not possible. In these cases, the architect has to indicate the solutions envisaged and to indicate on the plan what needs to be carried out and obtain approval from WSC. Developers are further reminded that connection of storm water into main sewers is not allowed.

If the declaration of ownership, as contained in the application form, is determined as incorrect by a Court of Law, then the said Court of Law can declare this development permission as null and void. This development permission does not remove or replace the need to obtain the consent of the land/building owner to this development before it is carried out. Furthermore, it does not imply that consent will necessarily be forthcoming nor does it bind the land/building owner to agree to this development. Where the land/building is owned or administered by the Government of Malta a specific clearance and agreement must be obtained for this development from the Land and/or Estate Management Departments.

This development permission is granted saving third party rights. This permission does not exonerate the applicant from obtaining any other necessary permission, license, clearance or approval required from any Government department, local council, agency or authority, as required by any law or regulation.

This development permit does not authorise any storage of substances listed in Occupational Health and Safety Authority Act (Cap. 424) - Control of Major Accident Hazards Regulations, 2003, as amended, in quantities that would render this site an establishment within scope of these regulations. The storage and handling of said substances may require a new or amended development permission in line with current policies and regulations.

For any non-residential uses hereby being approved, prior to commencement of any works on site or any eventual permitted change of use, the applicant shall be required to contact the Environment and Resources Authority to obtain any necessary operational permit or registration. This requirement does not apply to Class 2B, 2C, 4A and 4B uses as listed in the Development Planning (Use Classes) Order 2014, or its subsequent amendments.

This decision is being published on 5 August 2020.

Monica Gauci
Secretary Planning Commission
Outside Development Zone and Urban Conservation Areas

Notes to Applicant and Perit

Right for reconsideration

Where applicable, you have a right to submit a request for reconsideration to the Authority in terms of regulation 14 of Legal Notice 162 of 2016.

Right for appeal

You have a right to submit an appeal, against the decision, to the Environment and Planning Review Tribunal in terms of Article 13 of the Environment and Planning Review Tribunal Act, 2016.

Time limits

Requests for reconsideration or appeals must be made within 30 days from the publication of the decision notification in the local press as required by regulation 14(1) of Legal Notice 162 of 2016.

Fees to submit a request for reconsideration or appeal

In either case, there is a fee to be paid which should accompany the request for reconsideration or the appeal. The fees are as follows:

For reconsideration - 3% of the Development Permit Fee paid in respect of the original application, subject to a minimum of €69.88.

For appeal - 5% of DPF (Development Permit Fee) paid in respect of the original application, subject to a minimum of €150 + €50 administrative fee (LN 112 of 2016).

Submission of request for reconsideration or appeal

With regards to requests for reconsideration, Form PA 4/16 must be used for submission. All fields of the Form must be filled in as appropriate. Requests for reconsideration can only be submitted electronically.

With regards to appeals, as required by Article 13 of the Environment and Planning Review Tribunal Act, 2016, the submission must include the detailed grounds for appeal and the requests being made by the appellant. Appeals must be submitted physically at the offices of the Environment and Planning Review Tribunal, St. Francis Ditch, Floriana.

Important Notice

In view of the provisions of Article 72(4) of the Development Planning Act (2016), a Commencement Notice is to be submitted to the Planning Authority, by the perit on behalf of the applicant, at least FIVE DAYS prior to the date of commencement of works or utilisation of the permission. Failure to submit the Commencement Notice (with all fields correctly completed) or failure to submit it within the required timeframe shall invalidate the Notice and shall result in the imposition of fines according to Schedule D of Legal Notice 277 of 2012, or its amendments, or its replacements. In addition, if the applicant fails to submit the Commencement Notice or the Commencement Notice submitted is invalid, the relative permission shall be considered as never having been utilised.

-PADCN-

Environmental Permit

Environment Protection Act (CAP. 549)

Permit number:
EP 1215/21

Approved documents
EP 1215/21/1E/1H/1N

The Environment and Resources Authority (hereinafter the Authority; the Competent Authority or ERA) in exercise of its powers under the Environment Protection Act (CAP. 549), hereby authorises:

Ing. Fredrick Azzopardi obo Infrastructure Malta (hereinafter "the Permit Holder"),Of / Whose Registered Office (or principal place of business) is at

Vjal L-Avjazzjoni,
Luqa

Renewal of NP 0075/20: Demolition and Reconstruction of Jetty and Seawall including the Repair of Scoured Areas, the Removal of Dangerous Fender Blocks and the Replacement of Deteriorated Bollards at

Marfa Jetty

to the extent authorised by and subject to the conditions of this Permit.

The validity of this permit for one (1) year from the date of issue.

Signed	Date
[redacted] Prof. Victor Axiak Chairman	Permit Granted: 11 / 05 / 2021

Authorised to sign on behalf of the Competent Authority

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Conditions

Introductory Note

The Environment and Resources Authority (ERA) is granting you permission in accordance with the provisions of the Environment Protection Act and Regulation 18(2) of the S.L. 549.44, for the purpose of the activities that shall be carried out within the Special Area of Conservation (SAC) of Żona fil-Baħar fil-Grigal ta' Malta (MT0000105) Żona fil-Baħar ta' madwar Għawdex (MT0000112).

The works shall, subject to the conditions of this Permit, be managed, controlled and carried out as described in the NP Application, approved documents, and/or as otherwise previously agreed in writing by the Authority.

Status Log

Detail	Date
Application NP0094/19	25/03/2019
Permit issued	04/04/2019
Application NP0075/20	03/02/2020
Permit Issued	01/04/2020
Application for renewal EP 1215/21	02/03/2021
Permit determined by ERA Board	07/05/2021
Permit Issued	As per date on first page

Pre-Commencement of activities/ work

1. The permit holder shall advise of the dates of works at least three (3) days prior to the commencement on *ced.coast@era.org.mt*. In the case of change of date, the permit holder is to inform ERA of such a change at least two (2) days in advance. In the case of short-term cancellation of the works (especially outside office hours), the Authority should be contacted on 9921 0404.

Permitted Activities

2. The permit holder is to nominate for ERA approval, at least three (3) days prior to commencement of works, a suitably qualified and experienced ecological monitor for monitoring of compliance with permit conditions and to ensure that works are carried out with the least possible impact on habitats, species and water quality.

   The monitor shall:

   i. be engaged at the expense of the applicant;
   ii. submit a monitoring plan for approval by ERA;
   iii. ensure that the works are carried out in line with the permit and without damage to the natural features on site;
   iv. notify ERA immediately of any breach of conditions.

   The project manager and the Permit Holder shall provide all the information and assistance to ensure that monitoring of works is carried out in a satisfactory manner. A

monitoring report with photos shall be submitted by the monitor as part of the report of activities to ERA that is to be submitted as per condition 25, not later than one month after to expiry of permit.

No works shall be carried out unless the monitor and monitoring plan are approved by ERA.

3. The Permit Holder is authorised to carry out the works and the associated works specified in Table 1.

Table 1.

Works	Description of specified works	Limits of specified works
Activity within a protected area	Repair of jetty as described in document 1N.	(i) Repair of the jetty including repairs to the dangerous structure, the removal of the dangerous fender blocks, replacement of deteriorated bollards and repair of underwater scour

Site

4. The activities authorised under condition 3 shall be affected in the area as marked on the approved site plan 1E.

Conditions of Activity/Work

5. Activities are to be held according to the approved Works Method Statement 1N.

6. The Permit Holder is to implement mitigation measures in order to prevent contamination of the sea from dust, spalls, any other particles or concrete particles/poured liquid concrete.

   Mitigation measures shall be in place at all times throughout the activity to ensure that the works do not pose any adverse effect on the marine environment and the coastal area.

   While laying the concrete, no material is to be allowed to overspill into the sea. Adequate containment including placing of forms or barriers for placing the soft concrete in place until it cures shall be in place.

7. Underwater dust suppression equipment as per approved Works Method Statement 1N including a silt curtain or equivalent, shall be installed in line with good practice, prior to commencement of any construction activities and utilised throughout the project all around the edge of the quay to limit any spillages into the sea. No damage to the seabed shall take place.

   The silt curtain or equivalent shall be installed around the edge of the area of works to limit any spillages into the sea. No damage to the seabed and *Posidonia oceanica* or any other protected species shall take place as part of the deployment and/or removal.

The silt curtain or equivalent shall not be removed immediately after works on the slipway have been completed, but shall be kept in place for at least three days until the water has cleared.

Any moorings which shall be used as part of the installation of the silt curtain, shall not be placed on any vegetation which might be present in the area.

8. In case that turbidity occurs outside the area of the silt curtain, works shall be halted until additional appropriate mitigation measures are put in place.

   In case that approved mitigation measures prove ineffective, works shall immediately cease until such time that the Permit Holder proposes an alternative method of works that would minimise the impact that shall be subject to ERA's endorsement.

9. In the case that bedrock trimming is required, this is to be considered with diligence. In this respect, disturbance to ecological communities within Maltese waters, especially benthic ones, should be kept to a minimum. Disturbance of the sediment should also be kept to a minimum to prevent the possible resurgence of any accumulated pollutants.

10. The machinery that will be used for the works on site include a mechanical shovel, a mechanical jigger, a crawler crane, a concrete mixer and pick-up trucks.

    The vehicles shall:
    a. Be in a good state of maintenance and in any case do not leak oils or other polluting fluids;
    b. Only make use of existing roads for access;
    c. Be stored overnight in such a manner to avoid any accidents, including due to storms;
    d. Be refuelled in such a manner to avoid spillage into the sea; and
    e. Not be washed on site.

    All the equipment, vehicles and materials shall be removed immediately once works are completed.

11. Materials shall be shifted to the designated areas for storage of materials and equipment as stated on the approved Works Method Statement at document 1N.

    This material shall be contained in jumbo bags and placed on impermeable material and not directly on the ground so as to avoid contamination of air or water through wind or runoff respectively.

12. Any cut material shall be left to dry for 24 hours in the materials' storage area and it must be ensured that no dispersion takes place through wind or water.

    Unless otherwise specified, all stockpiles of raw and/or waste material and waste skips shall be kept covered at all times and are to be located and covered in such a way as to avoid contamination of air or water through wind or runoff respectively.

13. All reasonable precautions are to be taken to keep the site and its surroundings clean.

    The permit holder is responsible for the collection and disposal of any litter, refuse or waste originated during the activity. The site shall be cleaned and restored to its original condition, without causing any harm to the protected area and the surrounding environment.

The waste material shall be collected and transported on registered waste carriers and disposed of in a permitted inert waste facility in accordance with the Waste Management (Activity Registration) Regulations 2007 (S.L. 549.45) and the Waste Regulations, 2011, (S.L. 549.63), including where necessary through the Consignment Permit procedure.

Any skips which are left on site overnight should be closed.

14. Works shall take place between sunrise and sunset.

15. Following completion of works, the assigned contractor shall be responsible to survey the seabed for any fallen construction debris and material. In the eventuality of such material present on the seabed, the contractor shall be obliged to remove the material and clean the area prior to demobilisation.

16. The waste material shall be immediately collected and transported on registered waste carriers and disposed of in a permitted inert waste facility in accordance with the Waste Management (Activity Registration) Regulations 2007 (S.L. 549.45) and the Waste Regulations, 2011, (S.L. 549.63), including where necessary through the Consignment Permit procedure.

17. No lighting shall be installed unless approved in advance by ERA. Any lighting installed shall be low key, of low wattage, downward-pointing, full cut-off type. No luminaire globes or uplighters are accepted.

General Conditions

18. The 'Permit Holder', is responsible to ensure that all reasonable precautions are taken so that the activity conforms to the conditions in this Permit and the procedures outlined within the Permit application.

19. The activities covered by this permit are restricted to the Permit Holder, employees and/or volunteers and contracted parties commissioned for such activities/works under her supervision and direction, who shall all be made aware of this Permit and the contents within.

20. The following activities are strictly prohibited:

    a. the deliberate picking, collection, taking, cutting, uprooting, harming, destroying or damaging deliberately destroying, keeping, transporting, selling, buying exchanging, offering for sale or for exchange, importing or exporting in any way of any specimen of wild flora;
    b. the deliberate hunting, killing, capturing, taking, harming, disturbance particularly during periods of breeding, rearing, hibernation and migration, destruction and deterioration of breeding sites or resting places, pursuing, taking or attempting to take, deliberately killing or attempting to kill, deliberately destroying, keeping, transporting, selling, buying exchanging, offering for sale or for exchange, importing or exporting any specimen of any specimen of wild fauna, except as permitted;
    c. cutting or damaging of reeds, tree branches etc;
    d. planting of vegetation, shrubs and/or trees or the introduction of any flora or fauna into the site or its environs, except as permitted;
    e. introduction, removal, significant movement and re-engineering, and/or collection of sand, shingle, stone, soil and/or sediment;

f. excavation works and any physical modification of the vegetation cover, the ground and landform of the site and its surroundings;
g. generation of excessive noise, including extremely loud music or the use of noisy generators, or light pollution through the use of floodlights;
h. disposal, discharge or spillage of oil, fuel, paint or other pollutants, or of solid waste, ash or combustibles;
i. lighting of fires.

21. ERA may request updates and/or further information on the activity in question as deemed necessary.

22. The conditions imposed shall be adhered to throughout all the activities. Failure to do so may result in enforcement action and cessation of any related works or activities.

23. ERA may impose other additional rules or conditions, or may amend one or more of the listed rules or conditions, as it deems necessary for the proper conservation of a protected site or area, biodiversity and the environment in general, and to ensure public safety.

24. The Permit Holder may apply for a variation of the Permit and shall seek the Authority's written agreement prior to any operational changes, by sending to the Authority:
    a. Written notice of the details of the proposed change, including an assessment of its possible effects or risks to the environment from the approved activity;
    b. Any relevant supporting information;
    c. Any relevant supporting assessments and drawings, and;
    d. The proposed implementation date.

    Any such change shall only be implemented following the issue of a variation of the permit by the Authority.

25. In accordance with Regulation 46(4) of S.L. 549.44, a brief report with photos of the activities held, including any publications as a result of the activity, is to be provided to ERA by the Permit Holder within one month of the expiry of the permit, and is to be submitted to ced.coast@era.org.mt Information that should be treated as confidential as outlined in Regulation 48(4) of S.L. 549.44 shall be specified.

    A template for the report is available at https://era.org.mt/topic/nature-permit-reporting/

26. This permit is granted saving third party rights. The Permit holder is not exempt from any other legislation or regulations, codes of practice, conditions or requirements imposed by any other competent authorities, including the obtaining of permits, licenses, or clearances including from site owners.

27. Any accidental handling, capture or collection of specimens or part thereof, whether dead or alive, of species listed within Schedule V and VI, and endemic species not listed in Schedule X of the Flora, Fauna and Natural Habitats Protection Regulations (S.L. 549.44) shall be reported on nature.permitting@era.org.mt within seven (7) days of sampling of the specimen provided that the permit holder may only keep such specimen or part thereof for scientific research purposes. The Authority may request additional information from the permit holder, including but not limited to, an application for authorisation for the keeping of such specimens or samples.

28. The Authority may suspend or revoke this Environmental Permit in line with the provisions of CAP 549.

29. The Permit Holder shall notify the following matters to the Authority in writing at least 10 working days prior to their occurrence:
    a. Any change in the Permit Holder's trading name, registered name or registered office address;
    b. Any change to particulars of the Permit Holder's corporate identity.

30. Upon the joint application of a Permit Holder and a proposed transferee, the Permit Holder may request to transfer an environment permit. The permit shall not be transferred from the Permit Holder without prior approval from the Authority. Upon the Authority's decision to transfer the permit to the transferee, all rights, obligations, liabilities shall subsist onto the transferee.

31. In accordance with Regulation 47 of S.L. 549.44, details of the Permit Holder together with the details of conditions imposed in this Permit shall be maintained by the Authority in a register available for public inspection or maintained in electronic form.

32. The Authority may carry out regular pre-set or unannounced compliance or monitoring checks that vary in frequency according to the site's compliance with the permit conditions and safeguarding of natural assets. Any checks or audits carried out by the Authority may be made at the Permit Holder's financial expense at rate and arrangement communicated by ERA's Compliance and Enforcement Directorate. ERA may also appoint other on-site monitors at the expense of the Permit Holder to act as an on-site liaison between the Permit Holder and ERA if the case arises.

33. The Authority's representatives may inspect and photograph any part of the site/ activity and ask for any closed or locked areas to be opened and may demand to be provided with any proof, documentation, plans, receipts or any other records.

34. This Permit including any Variation Notices or amendments to it shall be made available for any inspection by ERA officials at all times, or any legally recognised compliance and enforcement officials, when requested.

35. Whenever there is a conflict between the conditions of this Permit and approved documents, the conditions of the Permit shall prevail.

36. ERA shall not be held liable for any accidents or injuries which may occur during the activities being permitted through this Permit. It is the responsibility of the Permit Holder to ensure that all safety measures are taken.

37. This permit is without prejudice to any liability of the Permit Holder under the Act and to any punitive measures the Authority may wish to take with respect to works already carried out without permit.

38. This permit is subject to a bank guarantee of €10,000. The guarantee is covered in accordance with the *Letter of Undertaking covering Government Projects* ref MF35/05/160.

    This guarantee shall be maintained throughout the validity of the permit. Following renewal and/or variations to this permit, the Authority may require amendments to the Bank Guarantee.

    The Authority may take part or all of the bank guarantee if the Permit Holder fails to take the necessary action, or fails to fulfil his legal obligations under the Act of its subsidiary legislation thereof, in cases of non-compliance with these permit conditions. This bank guarantee is without prejudice to any environmental liabilities incurred by the Permit Holder through failure to adhere to permit conditions or any other works/activity carried out on site. Should the Authority forfeit the Bank Guarantee either in part of in full, the permit holder shall ensure that this is replenished without undue delay in any case not exceeding 2 months from the date of forfeiture.

In cases where the bank guarantee does not cover the expenses incurred by the Authority to take remedial actions on the Permit Holder's behalf, the Permit Holder is to financially reimburse the Authority of all the expenses incurred.

39. The validity of this permit is for **one (1) year** from the date of issue. The Permit Holder may apply for a renewal to this Permit expressing his/her intention at least four (4) weeks prior to the expiry of this permit. Request for renewals shall only be considered upon confirmation of compliance with Permit conditions and fulfilment of documentation as requested by this Permit.

1a



Meters

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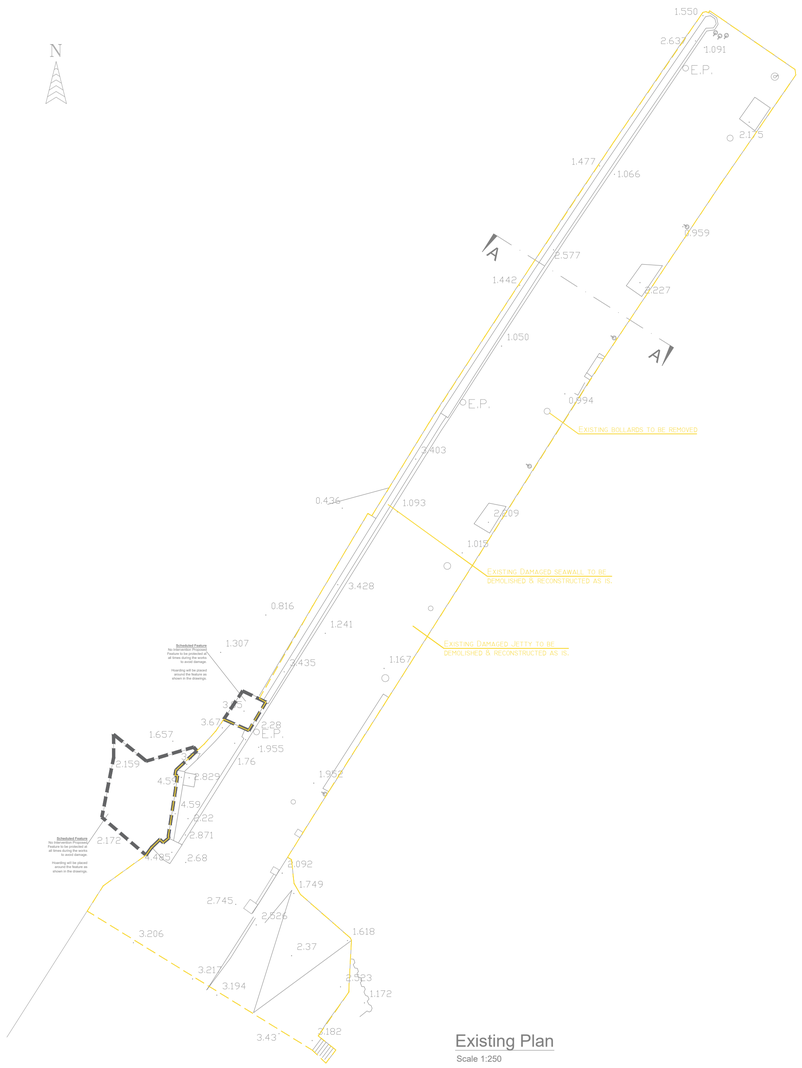
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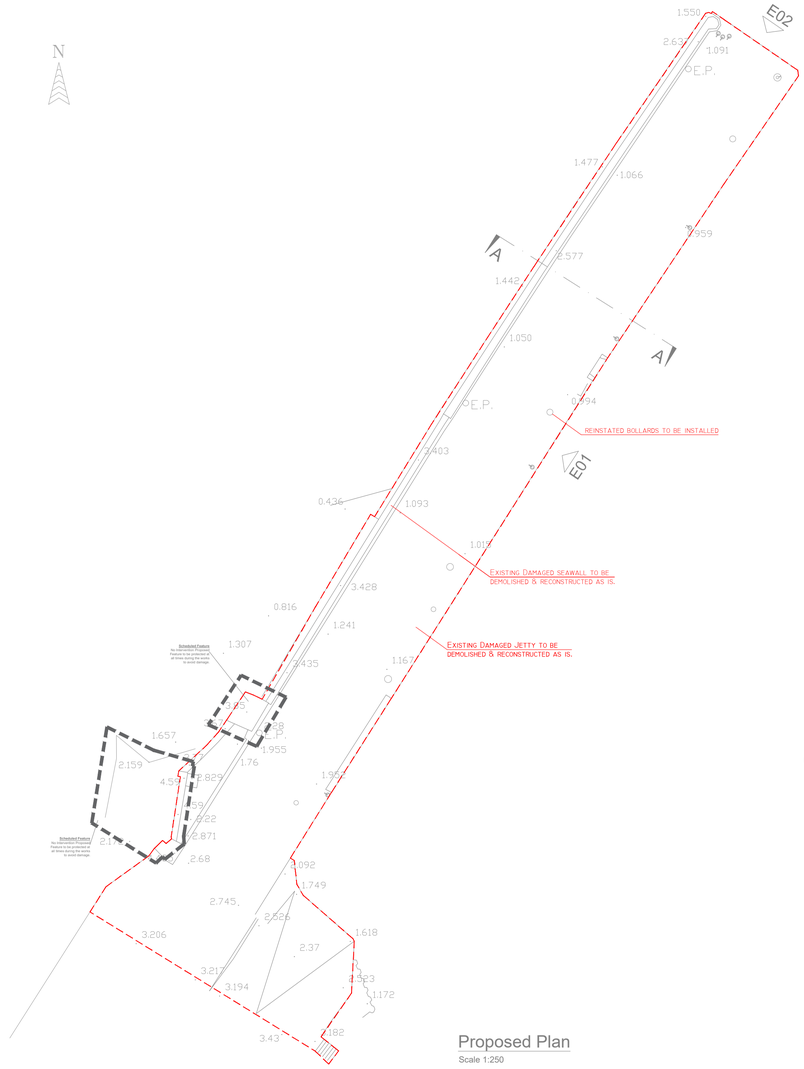
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Data Captured from: 1988, 1994, 1998, 2004 & 2008 aerial photography and updates from 2012 orthophotos.
Truncated U.T.M. Coordinates. Levelling Datum M.S.L. (Mean sea level). Contours when shown are at 2.5m vertical interval. Not to be used for interpretation or scaling of scheme alignments
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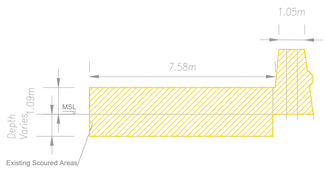
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www.pa.org.mt, mappingshop@pa.org.mt



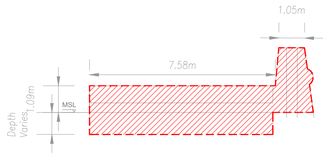
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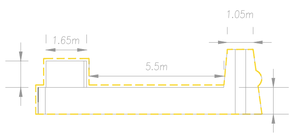
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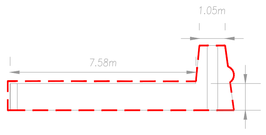
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Existing Elevation 01
Scale 1:125



Existing Elevation 02
Scale 1:125



Proposed Elevation 01
Scale 1:125



Proposed Elevation 02
Scale 1:125

Revision	Alterations	Drawn	Checked	Approved	Date
H					
G					
F					
E					
D	Minor Changes-PA Drawings	A.S.	A.S.	J.B.	MAY'20
C	Minor Changes-PA Drawings	A.S.	A.S.	J.B.	APR'20
B	Added Dimensions For PA	A.S.	A.S.	J.B.	NOV'19
A	Issued For PA	A.S.	A.S.	J.B.	OCT'19

INFRASTRUCTURE MALTA

PROJECT No :
PROJECT No. X

PROJECT TITLE :
RAMLA TAL-BIR JETTY

DRAWING TITLE :
EXISITNG & PROPOSED PLANS, SECTIONS & ELEVATIONS

DATE :	FILE No :	DRAWING No :
30th January 2019	-	-
SHEET SIZE	SCALE :	REVISION :
A1	1:125 1:250	D

CHIEF EXECUTIVE OFFICER
Ing Fredrick Azzopardi

ARCHITECT
Perit Albert Spiteri

CHECKED BY
Perit Janice Borg

DRAWN BY	SHEET No:
AS	1

Comp. Path : P:\.DWG

Project Description

MARFA

Description: Demolition and Reconstruction of Jetty and Seawall including the Repair of Scoured Areas, the Removal of Dangerous Fender Blocks and the Replacement of Deteriorated Bollards

Location: Ramla tal-Bir, Comino Jetty, Opp Triq ta' Msid, Marfa

Version	Date	Comments
Original Document	25/03/2021	

Prepared by: Perit Alessia Galdes

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Site and Project Description

The Site

The site in question is a concrete jetty located in Marfa, Mellieha. The structure is visible in the 1967 survey sheets. Structure is complete constructed from mass concrete and fill material.

Currently the superstructure is in a bad condition with certain parts of the jetty's edge and parts of the fender blocks completely broken up. A recently underwater survey showed that the jetty wall is riddled with scoured areas and holes which penetrate the structure.

Aim of Project & Justification

As already explained, it has been recently noted that the state of the structure is continuously deteriorating due to the presence of scouring area and holes in the jetty's wall. Underwater scouring is in an advanced stage and an imminent collapse of part of the quay may happen in the near future. Apart from underwater damage, concrete from the quay's edge is spalling and is resulting in surface cracks which are posing a trip danger to the public who make use of the ferry services that berth in the area and to the mooring man. The state of the deteriorated bollards also poses a risk due to the reduced pull-out strength from the corroded anchors. Such might become a life-threatening hazard in case these get detached from the jetty due to notwithstanding the pull from the ropes of berthed vessels.

The aim of this application is to demolish the jetty deck, seawall & jetty, to strengthen the foundations and to repair the underwater scoured areas, to remove the dangerous fender blocks, to remove the deteriorated bollards and to replace them with newly constructed reinforced concrete slab and cope beam and new bollards using materials as per existing. The underwater scoured areas shall also be filled with appropriate concrete. This will result in a safer public environment.

Logistics

Timeframes

The works are thought to take circa 18 months to complete. As this is a touristic area, it is planned that works will not be carried out during the peak summer season. Works on site will be carried out between 7am and 7pm. At this stage it is not thought that any works will be carried out on Sundays and public holidays. Notwithstanding, to expedite works this decision may need to be amended.

The table below provides a general overview of the planned program of works.

Action	**Duration in Days**
Pre-commencement Phase	54
Site mobilization (including the installation of the site hoarding to avoid debris from falling to sea, the implementation of traffic management & safety measures and the installation of the silt curtain	30
Demolition and Clearing Works	132
Underwater Excavation and Trimming Works	42
Repair / Strengthening of Underwater Structures	48
Piling Works	39
Construction Works	146
Finishing Works	72
Site demobilization and handing over	24
	497 Days

Plant & Materials to be used and stored on site

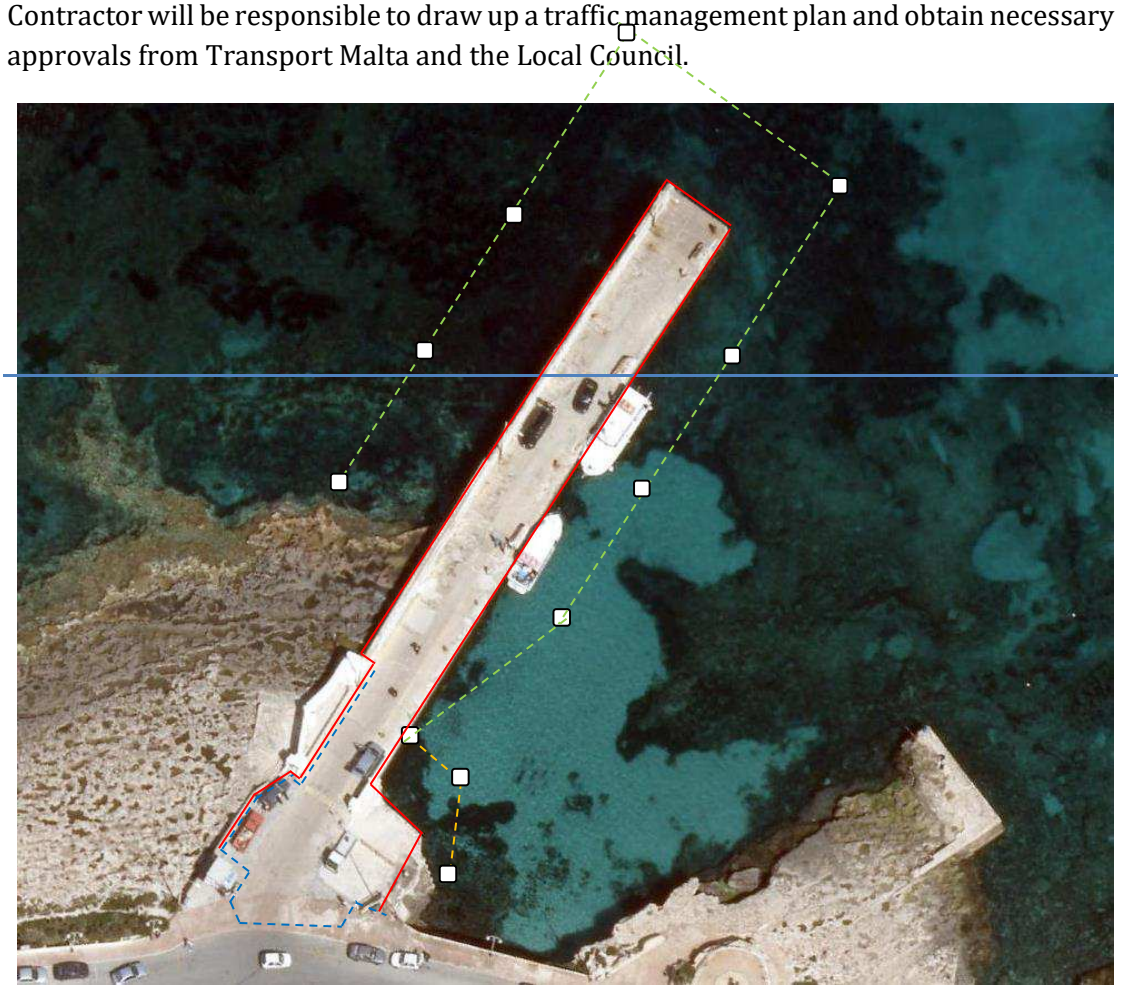
It is earmarked that the following plant will need to be deployed on site: mobile cranes, tipper trucks, excavators, mechanical shovels, hand held jack hammers, barge, hand held tools, scaffold structures, concrete mixer trucks, concrete pumps, drilling rig and and utility van.

Materials that need to be stored on site include construction material and material removed or broken up from the footprint of intervention. If required, material shall be allowed to dry on site prior to transportation of same to an approved dumping site. Such material will be adequately contained and covered both on site and during transportation.

Site Operation & Organisation

Throughout the works, the contractor will hoard part of the site to make allowance for the plant machinery and materials storage area. It is proposed that the designated areas will be as shown in Figure 1 hereunder.

Contractor will be responsible to draw up a traffic management plan and obtain necessary approvals from Transport Malta and the Local Council.



Legend:

- Site delineation at sea level
- Silt curtain positioning during works – Phase A*
- Silt curtain positioning during works – Phase B*
- Line of Hoarding
- Sinkers position to hold silt curtain in place during works

Figure 1 – Site Organization

Methodology

Site Preparation

The contractor will be responsible to hoard site and render it safe for operational purposes. Any precasting will be carried out off site at the contractor's plant. No precasting will be permitted on site.

Actual sequence of works will be determined once Contractor has been chosen. However, the main tasks earmarked for the works are listed hereunder.

Demolition & Excavation works

The work consists of the demolition and clearing works of the existing seawall of the breakwater and of the existing deck slab. The Contractor shall provide and install suitable containment measures to retain demolition debris from falling directly in the sea. This will be in the form of a container/skip mounted on a working platform or floated or suspended beneath the demolition area to catch any falling debris. This containment measure will be positioned and moved around the edge of the structure on the seaside as necessary. A silt curtain will also be installed, as necessary, around any part of the site where the containment measure described above is not effective or practical to prevent a plume. Silt curtain details will be explained in detail in the coming section.

Any material accumulated in the footprint of the broken structure will be brought ashore using a backhoe/grab. This material will be left to drain on site, following which it will be disposed in an approved dumping site. Any remaining weak concrete will be broken up using a backhoe equipped with a chisel.

Underwater damaged parts of the jetty will be cleaned manually from loose and weak material by means of divers. The resulting debris will be excavated by grab using the same excavator and it shall be placed in a watertight container for carting away to an approved dumping site.

Repair and strengthening of underwater structures

A series of steel sheet piles and circular piles shall be placed underwater adjacent to the existing quay face in order to provide a containment to the sides of the sub-structure. This will enable the infilling of the gap between the existing trimmed quay wall and sheet piles. This procedure shall also aim to infill any existing gaps present within the existing structure, in order to solidify the mass concrete structure.

Rock shall be bored at intervals in order to place the circular steel piles so as to provide a retaining structural element to the sheet piles. The interlocking sheet piles shall then be placed to seabed level. The base of the sheet piles shall be dredged prior to placing so as to provide a bedding area for concrete infill in order to fix the sheet piles to the seabed.

Once concrete is left to harden, the contractor shall proceed by infilling the resultant gaps with a dedicated concrete mix design which shall allow the concrete to flow within the present gaps and bond with the existing concrete structure.

The steel sheet piles shall be connected to the top part by means of a steel backing beam and tie rods. This work shall be carried out prior to the infilling of the gap with concrete infill.

Quay Repairs – Underwater Scouring

With the help of divers, the position of the cavities in seawall will be located. The cavities will be manually cleaned from silt, sand and loose rock to expose solid surface. Exposed surfaced may require cleaning using high pressure water jet or manually. The material will be excavated and hauled onto the existing jetty and placed in a watertight containment for later transportation to an approved dumping site. Metal hook may be fixed to the inside of the cavities to provide necessary anchorage between the new and old interventions. Cavities will be temporary blocked underwater using sheet piles / steel plates and/or precast element to enable the casting of new concrete to fill in the scoured areas.

Areas which are not deeply scoured will be filled with concrete underwater making use of a tremie. In the area where the cavity is quite deep in excess of 1m, holes will be cored down to the scoured areas through the demolished jetty edge area. The cored material shall be cleared and disposed in an approved dumping site. The jetty surface shall be cleaned from silt. By means of a concrete pump on low pressure, concrete will be placed at the base of core hole. The situation should be monitored from underwater by means of divers and also above ground to ensure minimal concrete seepage in the sea and no damage to the jetty's retaining wall. Concrete pouring may have to be stopped and continued on a separate occasion. Once ready, the jetty surface shall be reinstated as per existing. Temporary underwater formwork shall be removed by divers and the situation inspected.

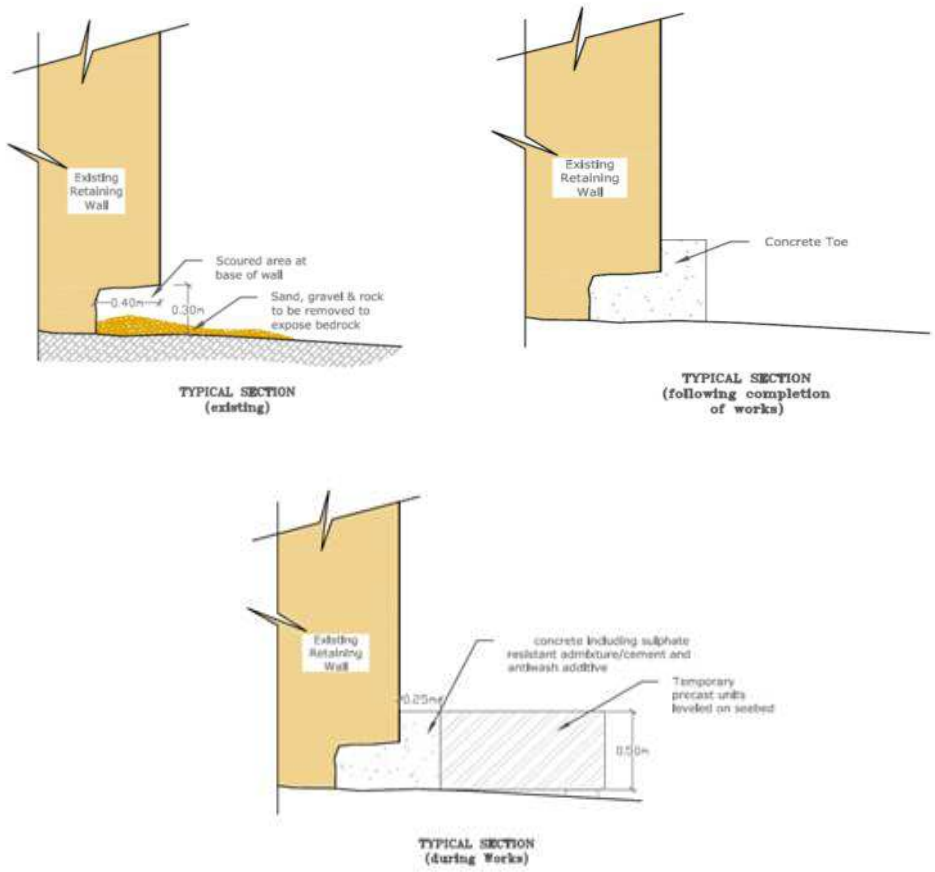


Figure 2 - typical section in areas where quay wall is not deeply scoured

Piling Works

The work consists of piling within the existing deck and underwater structures in order to strengthen the breakwater. The piles shall be spaced in a grid like structure along the quay edge and connected together by the deck slab and concrete beams above mean sea level.

The piles shall be bored through the existing concrete deck, the underwater structure and through rock to the required depth as specified by the Engineer. All resultant debris from the boring shall be carted away to an approved dumping site. A permanent casing shall be employed and socketed into rock in order to provide a containment for concrete within the piles since there are gaps within the existing structure which might affect the concrete pile integrity. The works shall proceed with the lowering of the steel reinforcement cage, followed by the casting of concrete by pump. The concrete pump and trucks shall mobilise on the existing quay and all equipment will be inside the hoarding within the site extents.

Quay Repairs – Above Water Interventions

The concrete will be saw cut at the interface between the intervention area and the areas to be retained. In the eventuality that there is reinforcement which needs to be retained, hand held tools will be used not to damage the said reinforcement. The existing concrete cope beam and concrete slab will be broken up by means of a chisel. The resulting debris will be loaded into a heap in the material's storage area. The material will be allowed to dry 24 hours (if wet) before loading again on to a tipper truck and carting away to an approved dumping site.

Holes will be drilled in the substructure and anchor bars placed. Following which formwork and the necessary reinforcement will be laid. The concrete elements will make use of the existing base structure as shutter, with side shutter installed in order to provide retainment to the concrete cast. Expansion joints will be formed as necessary. Once ready, marine concrete will be cast to form the new concrete jetty's edge and ground slab. Any provisions for service ducts, fixtures and fittings such as hooks, bollards and ladders will be subsequently installed.

Once the slab level is reached, the construction of the wave wall shall commence. This will include the preparation of steel reinforcement, of which part would already be done prior to the casting of the deck slab. The erection of formwork will take place, featuring any existing indents to the shape as indicated in the drawings and followed by the concreting process.

Mitigation Measures

General

Considering the nature of the project, the Contractor will be responsible to implement any necessary measures to safeguard the environment.

The Contractor will be obliged to leave the site clean every day. No loose material will be left on site uncovered. Furthermore, Contractor will be obliged to make good any damages on site resulting from his intervention.

The Contractor will take care so that machinery used does not leak fluids and will provide drip trays were necessary to contain any leaking fluids. Where appropriate, the Contractor is to have booms and absorbent pads available to be used in case of accidental oil spillage or run off into the sea.

The contractor shall also provide bins, skips and bunds for the placement and temporary storage of wastes/debris on site, prior to their removal and legal disposal.

Once all the works have been completed, the contractor will be responsible to survey the seabed for any fallen construction debris and material. In the eventuality of such material present on site, the contractor will be obliged to remove the material and clean the area prior to demobilisation.

Silt Curtain

The Contractor shall be required to adopt work methods to contain and prevent construction debris and waste from falling into the sea that could create a plume. Where such methods are not adequately effective, the Contractor shall deploy a silt curtain around the area were work is being carried out to contain the amount of plume that disperses into the adjacent sea areas. The Silt Curtain will be deployed as the case merits and in case of concreting in the sea or along the quay edge at the water's elevation. The silt curtain positions as indicated on Figure 1 – site organization, may be amended . The silt curtain may be shifted as necessary during the works depending on the location of the works. The silt curtain shall be kept in good condition. It shall be constructed from heavy double skin woven filter fabric to allow water to pass through the barrier yet retain sediment. The fabric will be rolled onto continuous floats and stitched to a rigid skirt to keep the upper part of the silt curtain at least 20cm above water level. The curtain will be weighed to the seabed using steel weights positioned at a distance of around 50cm or with a steel chain. Sinkers will be deployed as necessary at intervals to keep the silt curtain sufficiently away from the site/work boundary. The silt curtain will be kept in

place for at least 3 days after the works have been completed and until any plume has settled. It will be removed vertically by rolling out of the water and shifted to the new area earmarked for works. The contractor shall remove from the seabed any waste material that may have accumulated/settled on the seabed, including congealed/caked fines and other construction debris. If bad weather is forecasted, the silt curtain will be removed as a precaution to ensure that the same curtain is not torn and parts of it lost with detriment to the marine habitats.

Diagram below show the configuration of the silt curtain.

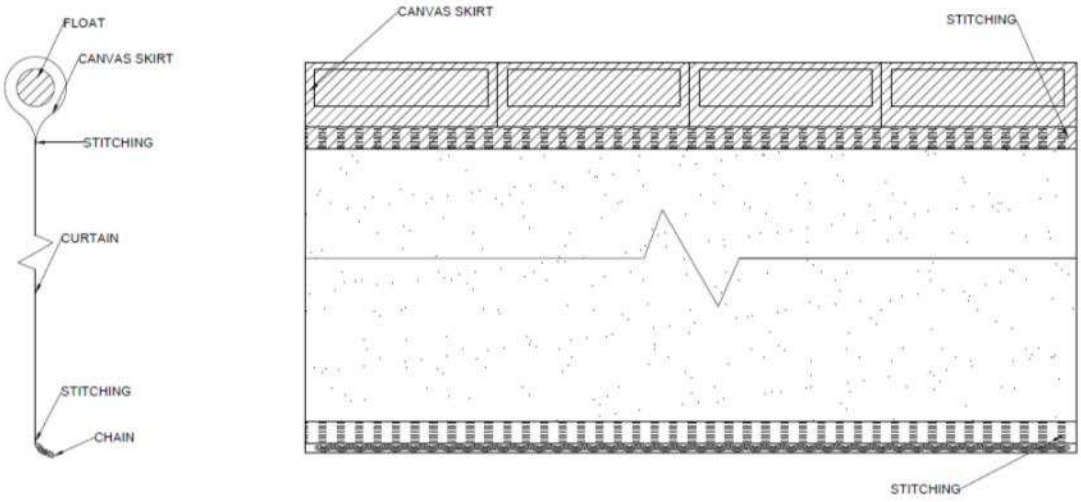


Figure 3 – diagram showing silt curtain configuration

Other Mitigation Measures

Further environmental control measures that the contractor shall have to adopt to prevent spillages into the sea include the following:

- Potentially polluting material, such as fuel oil, shall be stored on an impervious base surrounded by an impervious bund capable of containing a volume 10% greater than the total storage capacity.

- Substances which have, either directly or indirectly, the potential to pollute water, will be procured on a strictly “as needed” basis to retain only the minimum necessary for operations on site.

- Drip trays shall be utilized as a temporary measure to collect oily material dripping from plant and equipment until leaks are repaired.

- Spill response kits shall be adequately stocked on site and their location shall be notified to all site personnel.

- In the event of a spill, the following actions will be taken:
  - All sources of ignition will be switched off in the vicinity of the spill until this is stopped and the area cleaned;
  - The source of pollution will be identified and the necessary corrective action taken to stop the flow;
  - In the case of a heavy spill, the flow can be dammed with earth, sand, booms, etc;
  - Action will be taken to divert the flow away from drains, culverts and water courses;
  - Absorbent materials from the spill kits available on site will be used to mop up the spill (sand or absorbent materials should be used rather than detergents);
  - The spill will be collected and not washed away into the drainage system. (Washing will only make the situation worse and extend the pollution to other water bodies/drainage systems);
  - Contaminated sand / earth / absorbent granules will be collected in sacks or skips; and
  - A special bowser will be used to remove any pooled oil. All contaminated materials and collected oil will be treated as hazardous waste.

Waste Generation and Disposal Mitigations

Waste Type	**Activity generating the waste**	**Handling method**	**Disposal Site**
Excavation Waste	Excavation of site to design level	Collection in heavy duty skip or directly to HGV	To be disposed of at a licensed & registered disposal facility
Demolished Concrete, Stone	Demolition / part removal of quay	Separation into different skips or bins depending on the nature of the material	To be disposed of at a licensed & registered disposal facility
Demolished Steel Rebar	Demolition / part removal of quay	Collection in heavy duty skip or directly to HGV	To be disposed of at a licensed & registered disposal facility

Wood	Waste Construction Shutters/ Formwork	Collection in heavy duty skip or directly to HGV	To be disposed of at a licensed & registered disposal facility
General Waste	Generated by the workers during work breaks	Collection in appropriate wheelie bins /containers for disposal at central waste facility	To be disposed of at a licensed & registered disposal facility
Fuel, oils, lubes	Re-fueling of vehicles, maintenance works, operational / accidental spillage	Containment by means of oil spill kits, collection of material and disposal as hazardous waste or incinerated under the hazardous waste consignment permit procedures	To be disposed of at a licensed & registered disposal facility

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Conditions

Introductory Note

The Environment and Resources Authority (ERA) is granting you permission in accordance with the provisions of the Environment Protection Act and Regulation 18(2) of the S.L. 549.44, for the purpose of the activities that shall be carried out within the Special Area of Conservation (SAC) of Żona fil-Baħar fil-Grigal ta' Malta (MT0000105) Żona fil-Baħar ta' madwar Għawdex (MT0000112).

The works shall, subject to the conditions of this Permit, be managed, controlled and carried out as described in the NP Application, approved documents, and/or as otherwise previously agreed in writing by the Authority.

Status Log

Detail	Date
Application NP 0172/18	31/05/2018
Permit issued	09/08/2018
Application for renewal EP 1188/21	02/03/2021
Permit determined by ERA Board	21/05/2021
Permit Issued	As per date on front page

Pre-Commencement of activities/ work

1. The permit holder shall advise of the dates of works at least three (3) days prior to the commencement on *ced.coast@era.org.mt*. In the case of change of date, the permit holder is to inform ERA of such a change at least two (2) days in advance. In the case of short-term cancellation of the works (especially outside office hours), the Authority should be contacted on 9921 0404.

2. The permit holder is to nominate for ERA approval at least three (3) days, prior to commencement of works, a suitably qualified and experienced ecological monitor for monitoring of compliance with permit conditions and to ensure that works are carried out with the least possible impact on habitats, species and water quality.

   The monitor shall:

   i. be engaged at the expense of the applicant;
   ii. submit a monitoring plan for approval by ERA;
   iii. ensure that the works are carried out in line with the permit and without damage to the natural features on site;
   iv. notify ERA immediately of any breach of conditions.

   The project manager and the Permit Holder shall provide all the information and assistance to ensure that monitoring of works is carried out in a satisfactory manner. A monitoring report with photos shall be submitted by the monitor as part of the report of activities to ERA that is to be submitted as per condition 24, not later than one month after to expiry of permit.

No works shall be carried out unless the monitor and monitoring plan are approved by ERA.

Permitted Activities

3. The Permit Holder is authorised to carry out the works and the associated works specified in Table 1.

Table 1.

Works	Description of specified works	Limits of specified works
Activity within a protected area	Dismantling and re-building of quay as per approved document 1K.	(i) Breaking up of concrete surface and removal of metal fixtures; (ii) Re-building of platform and sealing of fissures with cement based mixture; (iii) Placing of precast concrete blocks on seabed prior to placing of concrete tetrapods or rubble mounds at side of quay.

Site

4. The activities authorised under condition 3 shall be affected in the roads as marked on the approved site plan 1G.

Conditions of Activity/Work

5. Activities are to be held according to the approved Works Method Statement 1K.

6. The permit holder shall ensure that disturbance of any specimen of any species is kept to a minimum. It is the responsibility of the permit holder to ensure that no harm is caused to the environment either intentionally or accidentally. Attention must also be afforded to the whole of the environment of the SAC in view of the protection status of SAC. The use of machinery is strictly prohibited.

7. The Permit Holder is to implement mitigation measures in order to prevent contamination of the sea from dust, spalls, any other particles or concrete particles/poured liquid concrete.

   Mitigation measures shall be in place at all times throughout the activity to ensure that the works do not pose any adverse effect on the marine environment and the coastal area.

   While laying the concrete, no material is to be allowed to overspill into the sea. Adequate containment including placing of forms or barriers for placing the soft concrete in place until it cures shall be in place.

8. Underwater dust suppression equipment as per approved Works Method Statement 1H including a silt curtain or equivalent, shall be installed in line with good practice, prior to commencement of any construction activities and utilised throughout the project all around the edge of the quay to limit any spillages into the sea. No damage to the seabed shall take place.

The silt curtain or equivalent shall be installed around the edge of the area of works to limit any spillages into the sea. No damage to the seabed and *Posidonia oceanica* or any other protected species shall take place as part of the deployment and/or removal.

The silt curtain or equivalent shall not be removed immediately after works on the slipway have been completed, but shall be kept in place for at least three days until the water has cleared.

Any moorings which shall be used as part of the installation of the silt curtain, shall not be placed on any vegetation which might be present in the area.

9. In case that turbidity occurs outside the area of the silt curtain, works shall be halted until appropriate mitigation measures are put in place.

10. In the case that bedrock trimming is required, this is to be considered with diligence. In this respect, disturbance to ecological communities within Maltese waters, especially benthic ones, should be kept to a minimum. Disturbance of the sediment should also be kept to a minimum to prevent the possible resurgence of any accumulated pollutants.

    In case that approved mitigation measures prove ineffective, works shall immediately cease until such time that the Permit Holder proposes an alternative method of works that would minimise the impact that shall be subject to ERA's endorsement.

11. The machinery that will be used for the works on site include a mechanical shovel, a mechanical jigger, a crawler crane, a concrete mixer and pick-up trucks

    The vehicles shall:
    a. Be in a good state of maintenance and in any case do not leak oils or other polluting fluids;
    b. Only make use of existing roads for access;
    c. Be stored overnight in such a manner to avoid any accidents, including due to storms;
    d. Be refuelled in such a manner to avoid spillage into the sea; and
    e. Not be washed on site.

    All the equipment, vehicles and materials shall be removed immediately once works are completed.

13. Materials shall be shifted to the designated areas for storage of materials and equipment as stated on the approved Works Method Statement at document 1K.

    This material shall be contained in jumbo bags and placed on impermeable material and not directly on the ground so as to avoid contamination of air or water through wind or runoff respectively.

14. Any cut material shall be left to dry for 24 hours in the materials' storage area and it must be ensured that no dispersion takes place through wind or water.

    Unless otherwise specified, all stockpiles of raw and/or waste material and waste skips shall be kept covered at all times and are to be located and covered in such a way as to avoid contamination of air or water through wind or runoff respectively.

15. All reasonable precautions are to be taken to keep the site and its surroundings clean.

The permit holder is responsible for the collection and disposal of any litter, refuse or waste originated during the activity. The site shall be cleaned and restored to its original condition, without causing any harm to the protected area and the surrounding environment.

The waste material shall be collected and transported on registered waste carriers and disposed of in a permitted inert waste facility in accordance with the Waste Management (Activity Registration) Regulations 2007 (S.L. 549.45) and the Waste Regulations, 2011, (S.L. 549.63), including where necessary through the Consignment Permit procedure.

Any skips which are left on site overnight should be closed.

16. Works shall take place between sunrise and sunset.

General Conditions

17. The 'Permit Holder', is responsible to ensure that all reasonable precautions are taken so that the activity conforms to the conditions in this Permit and the procedures outlined within the Permit application.

18. The activities covered by this permit are restricted to the Permit Holder, employees and/or volunteers and contracted parties commissioned for such activities/works under her supervision and direction, who shall all be made aware of this Permit and the contents within.

19. The following activities are strictly prohibited:

    a. the deliberate picking, collection, taking, cutting, uprooting, harming, destroying or damaging deliberately destroying, keeping, transporting, selling, buying exchanging, offering for sale or for exchange, importing or exporting in any way of any specimen of wild flora;
    b. the deliberate hunting, killing, capturing, taking, harming, disturbance particularly during periods of breeding, rearing, hibernation and migration, destruction and deterioration of breeding sites or resting places, pursuing, taking or attempting to take, deliberately killing or attempting to kill, deliberately destroying, keeping, transporting, selling, buying exchanging, offering for sale or for exchange, importing or exporting any specimen of any specimen of wild fauna, except as permitted;
    c. introduction, removal, significant movement and re-engineering, and/or collection of sand, shingle, stone, soil and/or sediment;
    d. excavation works and any physical modification of the vegetation cover, the ground and landform of the site and its surroundings;
    e. generation of excessive noise, including extremely loud music or the use of noisy generators, or light pollution through the use of floodlights;
    f. disposal, discharge or spillage of oil, fuel, paint or other pollutants, or of solid waste, ash or combustibles;
    g. lighting of fires.

20. ERA may request updates and/or further information on the activity in question as deemed necessary.

21. The conditions imposed shall be adhered to throughout all the activities. Failure to do so may result in enforcement action and cessation of any related works or activities.

22. ERA may impose other additional rules or conditions, or may amend one or more of the listed rules or conditions, as it deems necessary for the proper conservation of a protected site or area, biodiversity and the environment in general, and to ensure public safety.

23. The Permit Holder may apply for a variation of the Permit and shall seek the Authority's written agreement prior to any operational changes, by sending to the Authority:
    a. Written notice of the details of the proposed change, including an assessment of its possible effects or risks to the environment from the approved activity;
    b. Any relevant supporting information;
    c. Any relevant supporting assessments and drawings, and;
    d. The proposed implementation date.

    Any such change shall only be implemented following the issue of a variation of the permit by the Authority.

24. In accordance with Regulation 46(4) of S.L. 549.44, a brief report with photos of the activities held, including any publications as a result of the activity, is to be provided to ERA by the Permit Holder within one month of the expiry of the permit, and is to be submitted to ced.coast@era.org.mt Information that should be treated as confidential as outlined in Regulation 48(4) of S.L. 549.44 shall be specified.

    A template for the report is available at https://era.org.mt/topic/nature-permit-reporting/

25. This permit is granted saving third party rights. The Permit holder is not exempt from any other legislation or regulations, codes of practice, conditions or requirements imposed by any other competent authorities, including the obtaining of permits, licenses, or clearances including from site owners.

26. Any accidental handling, capture or collection of specimens or part thereof, whether dead or alive, of species listed within Schedule V and VI, and endemic species not listed in Schedule X of the Flora, Fauna and Natural Habitats Protection Regulations (S.L. 549.44) shall be reported on nature.permitting@era.org.mt within seven (7) days of sampling of the specimen provided that the permit holder may only keep such specimen or part thereof for scientific research purposes. The Authority may request additional information from the permit holder, including but not limited to, an application for authorisation for the keeping of such specimens or samples.

27. The Authority may suspend or revoke this Environmental Permit in line with the provisions of CAP 549.

28. The Permit Holder shall notify the following matters to the Authority in writing at least 10 working days prior to their occurrence:
    a. Any change in the Permit Holder's trading name, registered name or registered office address;
    b. Any change to particulars of the Permit Holder's corporate identity.

29. Upon the joint application of a Permit Holder and a proposed transferee, the Permit Holder may request to transfer an environment permit. The permit shall not be transferred from the Permit Holder without prior approval from the Authority. Upon the Authority's decision to transfer the permit to the transferee, all rights, obligations, liabilities shall subsist onto the transferee.

30. In accordance with Regulation 47 of S.L. 549.44, details of the Permit Holder together with the details of conditions imposed in this Permit shall be maintained by the Authority in a register available for public inspection or maintained in electronic form.

31. The Authority may carry out regular pre-set or unannounced compliance or monitoring checks that vary in frequency according to the site's compliance with the permit conditions and safeguarding of natural assets. Any checks or audits carried out by the Authority may be made at the Permit Holder's financial expense at rate and arrangement communicated by ERA's Compliance and Enforcement Directorate. ERA may also appoint other on-site monitors at the expense of the Permit Holder to act as an on-site liaison between the Permit Holder and ERA if the case arises.

32. The Authority's representatives may inspect and photograph any part of the site/ activity and ask for any closed or locked areas to be opened and may demand to be provided with any proof, documentation, plans, receipts or any other records.

33. This Permit including any Variation Notices or amendments to it shall be made available for any inspection by ERA officials at all times, or any legally recognised compliance and enforcement officials, when requested.

34. Whenever there is a conflict between the conditions of this Permit and approved documents, the conditions of the Permit shall prevail.

35. ERA shall not be held liable for any accidents or injuries which may occur during the activities being permitted through this Permit. It is the responsibility of the Permit Holder to ensure that all safety measures are taken.

36. This permit is without prejudice to any liability of the Permit Holder under the Act and to any punitive measures the Authority may wish to take with respect to works already carried out without permit.

37. This permit is subject to a bank guarantee of €10,000. The guarantee is covered in accordance with the *Letter of Undertaking covering Government Projects* ref MF35/05/160.

    This guarantee shall be maintained throughout the validity of the permit. Following renewal and/or variations to this permit, the Authority may require amendments to the Bank Guarantee.

    The Authority may take part or all of the bank guarantee if the Permit Holder fails to take the necessary action, or fails to fulfil his legal obligations under the Act of its subsidiary legislation thereof, in cases of non-compliance with these permit conditions. This bank guarantee is without prejudice to any environmental liabilities incurred by the Permit Holder through failure to adhere to permit conditions or any other works/activity carried out on site. Should the Authority forfeit the Bank Guarantee either in part of in full, the permit holder shall ensure that this is replenished without undue delay in any case not exceeding 2 months from the date of forfeiture.

    In cases where the bank guarantee does not cover the expenses incurred by the Authority to take remedial actions on the Permit Holder's behalf, the Permit Holder is to financially reimburse the Authority of all the expenses incurred.

38. The validity of this permit is for **one (1) year** from the date of issue. The Permit Holder may apply for a renewal to this Permit expressing his/her intention at least four (4) weeks prior to the expiry of this permit. Request for renewals shall only be considered upon confirmation of compliance with Permit conditions and fulfilment of documentation as requested by this Permit.



0 25 50 100 150 200 250 Meters

1:2,500 **Date Printed: 31/07/2017**

Public Geoserver

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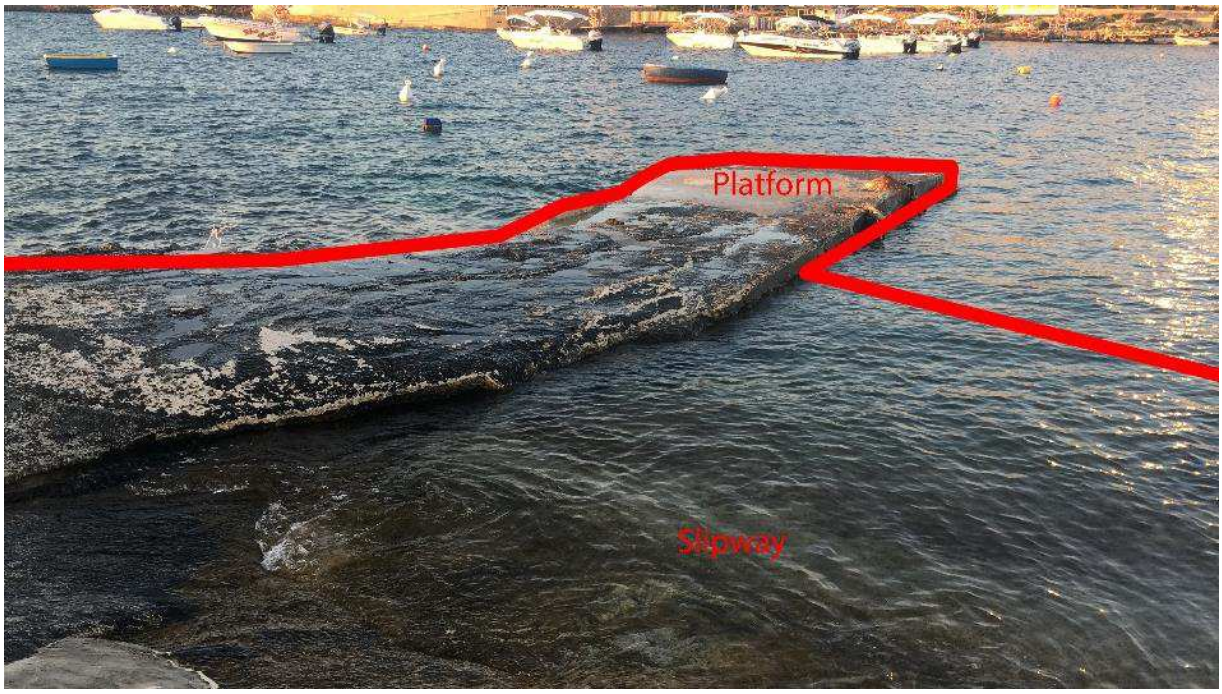
Doric Studio

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Works Method Statement

Dismantling and Reconstruction of a platform at

Ir-Ramla tal-Bir Bay, Mellieha (adjacent to Riviera Hotel)



90 First Floor, Psaila Street, Birkirkara, BKR 9073 MALTA

1. Introduction

1.1 This report presents a Works method statement for the dismantling and reconstruction of the quay platform with the upgrading of its adjacent slipway at Ir-Ramla tal-Bir Bay Mellieha (adjacent to Riviera Hotel).

1.2 This 36 m^2 platform is situated in front of the Riviera Hotel and it is in shallow waters of a depth around 1.8 meters. It has been providing landing facilities for fishermen leisure crafts in the area. Moreover, the slipway is used by various boat owners to launch or pull out their boats from the sea.



1.3 Currently, this platform in desperate need of repair since it has been damaged heavily by sea action. This is mainly due to the fact that Ramla tal-Bir Bay is facing to the North-East which also happens to be the prevailing wind. This results in strong winds with great force which

throughout the whole year causes several violent sea storms. In fact, metrological statistics show that the average speed of the wind ranges from 11 to 17 knots depending on the time of the year. Furthermore, in certain instances wind gusts can reach from 24 up to 72 knots. As a result, this quay platform has been subjected to intense wave battering which over the years has substantially suffered major structural damage. In fact, as an emergency measure and in order to make this platform practical for use during the summer season, it was temporarily repaired by casting concrete on the damaged side of the platform as it is shown in the above photo.

2. Objective

2.1 Due to a concentration of sea vessels and the ever-increasing touristic operations in the vicinity, the demand and use of such platforms to facilitate sea related leisure activates is always on the increase. Therefore, it is of the utmost importance for this platform to be safe and accessible for public use. Thus, the aim of the proposed development is to have a smooth, anti-slip surface whilst providing essential facilities for the enjoyment of the sea such as a ladder and stairs.

3. Procedure

3.1 It is necessary that during these repairs, the area immediately around the structure is cordoned off by means of hoarding. Hence, no boats or bathers will be permitted to make use of the platform; minimising the risk of accidents during the progress of works.

3.2 Locally, there is a wide range of machinery which gives us the option to carry out works from both land and sea. However, due to the small size of this platform all operations, it is more cost effective and

practical to execute this project using land-based plant for such repairs.

3.2.1 The machinery to be used during works include (varying depending on needs encountered):

- Mechanical Shovel
- Mechanical Jigger
- Crawler Crane
- Concrete Mixer
- Pickup Trucks

3.3 The site will be accessed by road and all works can be carried out from land.

3.4 The timing of when the works can commence depends on when the full development permit is issued. Due to the nature of the project, it is also required that works will be only carried out during calm weather conditions.

3.5 Hoarding will be installed on-site prior to works commencing. The surrounding water is relatively shallow at 1.8m, minimizing risks associated with marine-work. Life-buoys and first aid kits will be available on-site, in case of emergencies. A collapsible safety ladder will also be available on-site in case of emergencies.

4. Dismantling & Removal

4.1 This consists of breaking up the remaining concrete surface by a means of a small mechanical pneumatic hammer and the segments of the concrete slab shall be removed by means of a mechanical shovel. It is important that during this procedure no concrete debris is

spilled into the sea. If debris spills over the site boundary, this will be cleaned up.

4.2 Existing metal fixtures embedded into the deck/rock will be removed. The areas around the fixtures will be drilled until the metal fixtures become loose.

4.3 The waste segments and debris will be loaded up into a truck and taken away to an approved disposal facility.

5. Construction Works

5.1 Due to the damaged condition of the platform resulting from sea action and erosion, it is essential that a major part of this structure is dismantled and rebuilt from the seabed upwards. In other areas which are not so heavily damaged and may be salvaged, any fissures in the structure must be sealed with a cement based mixture to avoid further degradation.

5.2 Any air or water filled cavities discovered during the repairs must be sealed with a cement based mixture. The size of coarse aggregate used to fill and seal these openings can range according to the physical properties and the size of cracks. Eventually this injected cement must solidify within the filled voids in order to form a monolithic structure.

5.3 The sealing procedure will be done using concrete pumps having a capability of pumping various concrete mix designs. This mix designs can range from concrete containing course aggregate up to 1 inch in size to concrete mixture which have nearly minimum fluidity.

5.4 In order to reduce the effects of wave action it is being proposed that a system of wave dissipation will be placed in front of the structure.

This system consists of successive layers of either rubble mounds or concrete tetrapods.

5.4.1 The tetrapods to be implemented are of pre-cast reinforced concrete construction, designed to dissipate wave action and erosion. Alternatively, rubble mounds may be implemented. This consists of successive layers of stone, where the exposed surface is covered with heavy armour stones.



Concrete tetrapod example

5.5 If required, armoured units are to be placed by a crawler crane which will be operated from the existing structure. The crane must be capable of placing these units anywhere around the structure. The side slopes are designed to be as steep as possible to minimise amount of materials used.

5.6 For the toe construction in rubble mounds, a stabilisations system is required to hold in place the armour units to withstand wave action. However, at the same time they must be flexible enough to allow for any movements caused by local scour near the revetment edge. This toe infrastructure can be manufactured out of precast concrete elements which are placed in front of the rubble mound to support

them against wave actions while also preventing them from sliding outwards.

5.7 The toe construction procedure will be done by lowering precast concrete blocks on the seabed. After lowering these blocks in place by a means of a crane, they need to be tied and held together by vertical steel rods. Eventually marine concrete shall be pumped into the voids of these blocks to solidify the wall to achieve the required strength to support the boulders behind them.

6. Environmental Protection

6.1 A silt curtain will be installed to eliminate the possibility of sediment plume during the construction and demolition phase over-spilling into the surrounding sea. The length of the silt curtain should be slightly less than the water depth in the area so that the weights fixed to the lower part of the silt curtain do not scarify the sea bed.

6.2 All equipment will be properly maintained and cleaned prior to works to avoid aquatic contamination.

6.3 Any hardstone rubble used in mounds will be power washed at the quarry to minimise dust pollution during transportation and sea placement.

6.4 The materials are to be lowered in place gently by a crane in order to avoid any turbulence and dispersion of sediments during this procedure.

6.5 The Contractor in charge of the works shall monitor all transportation of the material to ensure that no dumping outside the approved location takes place.

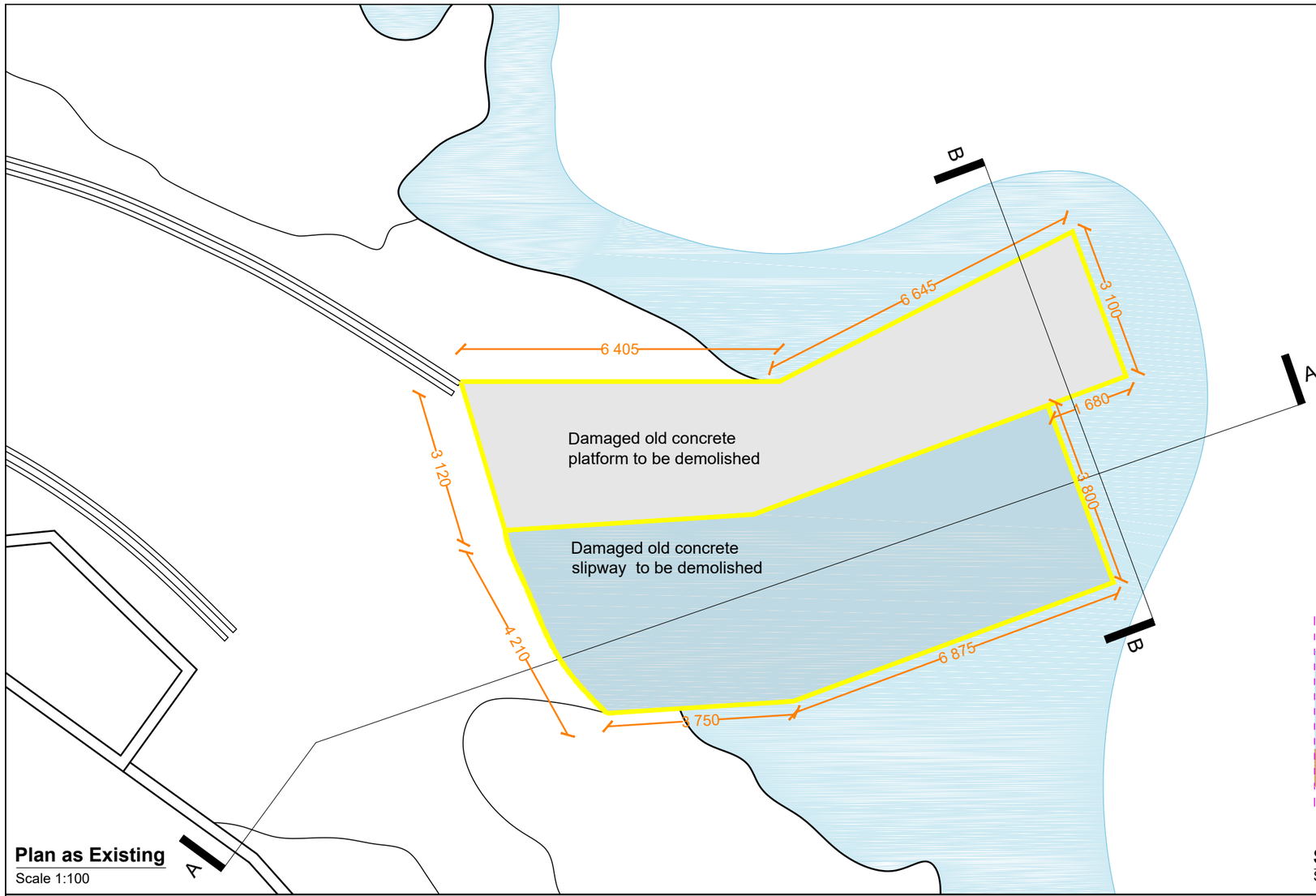
6.6 All of the works will be supervised to ensure that the impacts on the surrounding areas from these coastal works have the least possible impact on the marine environment.



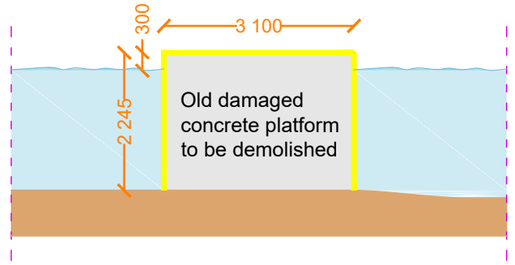
Site plan indicating silt curtain and hoarding

7. Completion

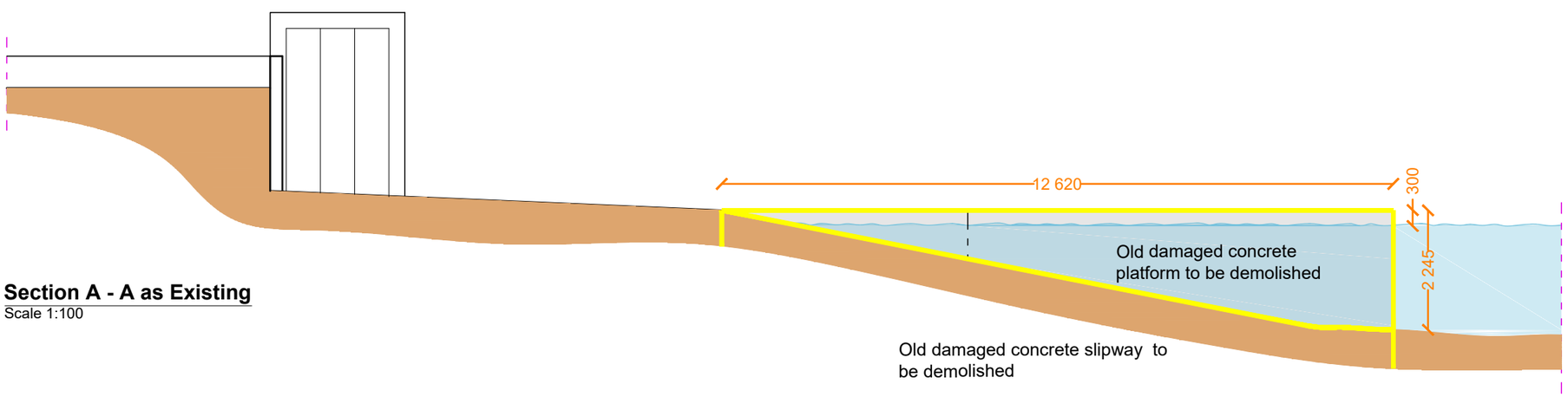
7.1 Once works have been completed, the site will be cleaned from all material and any remaining debris. The hoarding and the silt curtain will be subsequently removed.



Plan as Existing
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Section B - B as Existing
Scale 1:100



Section A - A as Existing
Scale 1:100

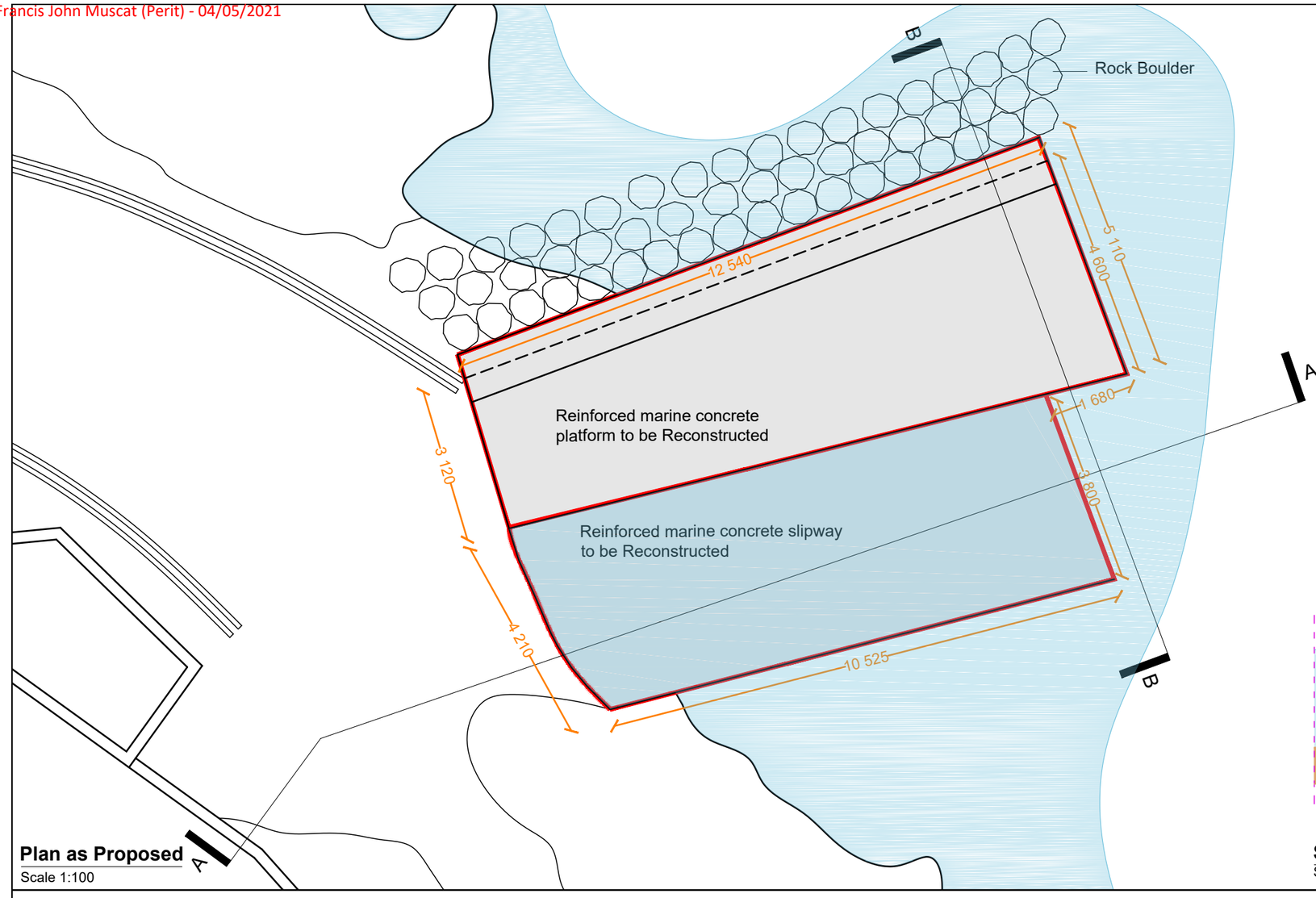
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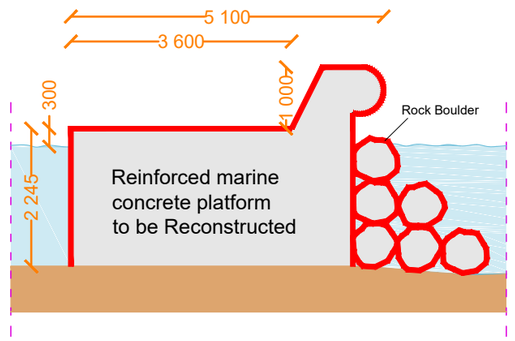
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Job Number:	TM 04 - 2017
Paper Size:	A3
Drawing number:	A - 01
Scale:	1 : 100
Project Title:	Slipway in Front of Riviera Hotel
Client:	Transport Malta
Architect:	FM
Date:	31/01/2018
Drawn By:	AV
Checked by:	FM

Transport Malta
Roads & Infrastructure Directorate

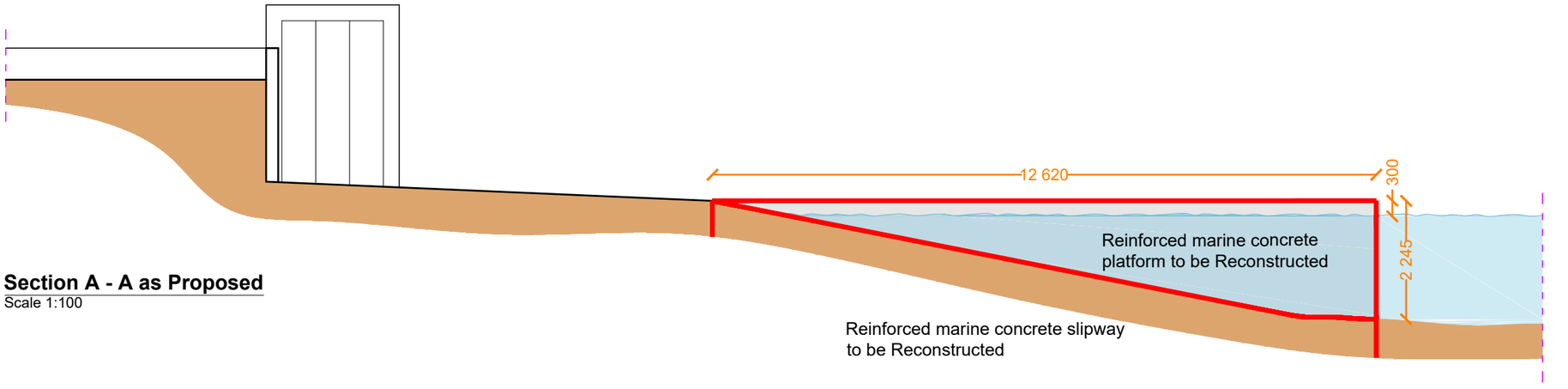
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Plan as Proposed
Scale 1:100



Section B - B as Proposed
Scale 1:100



Section A - A as Proposed
Scale 1:100

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TO CONSTRUCT | TO DEMOLISH | TO SANCTION | APPROVED NOT YET CONSTRUCTED

Rev No.	0 1	2			
Drawing Title:	Slipway Plan & Section as Proposed			Drawing number:	A - 02
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Transport Malta
Roads & Infrastructure Directorate