

Milad Investments No. 1 Pty Ltd
c/- studiointernationale Pty Ltd
8-16 Soudan Lane
Paddington, NSW 2021

Underbore Impact at Goodnight Island, NSW.

MP06_0034

Preferred Project Report

Department of Planning issue no. 17

**Proposed Tourist and Commercial Development
Goodnight Island and Greenwell Point**

Prepared for:-

Milad Investments No. 1 Pty Ltd
c/- studiointernational pty limited
Paddington, NSW 2021

June, 2009



ENVIRONMENTAL



WATER



WASTEWATER



GEOTECHNICAL



CIVIL



PROJECT
MANAGEMENT



P0601331JC13_v1

June 2009

INTRODUCTION

This letter is written to support the Preferred Progress Report (PPR) for the above development, in light of the information request by the Department of Planning (DoP) dated 17/12/2009, undersigned by Ms Heather Warton. Under Point 17, DoP requested that *'more detailed plans and information are required for the proposed under bore including the following:*

- 1. Locations of entry and exit points;*
- 2. Proposed environmental protection measures to be used;*
- 3. An acid sulfate soil management plan;*
- 4. Assessment of potential impacts on existing jetty on mainland (proximity of drilling to wharf, access restrictions during construction etc);*
- 5. Consent of land owners on any affected land (in particular land at Orient Point) including license holders for the jetty;*
- 6. Accurate dimensions and plans including depth, width and length;*
- 7. Services to be provided in the under bore; and*
- 8. Evidence of stakeholder consultation including boat and jetty users'.*

Martens have been requested by the Client to respond to Points 1, 2, 3, 4 & 7 of the information request letter.

It is noted that, recent correspondence with the project Architects (studio internationale) and NSW DoP was undertaken regarding the possibility of laying a sub-marine cable instead of providing an under bore. The option to lay a sub-marine cable is no longer being considered for service provision at the site.

Point 1:

Approximate location of the under bore route has been determined. This can be viewed in Figure 1, attached to this letter. The final location of the route will be determined at the detailed design stage following consultation with Level 3 service provider.

Point 2, 3 & 4:

Table 1 outlines the risks and risk management recommendations for the under bore.

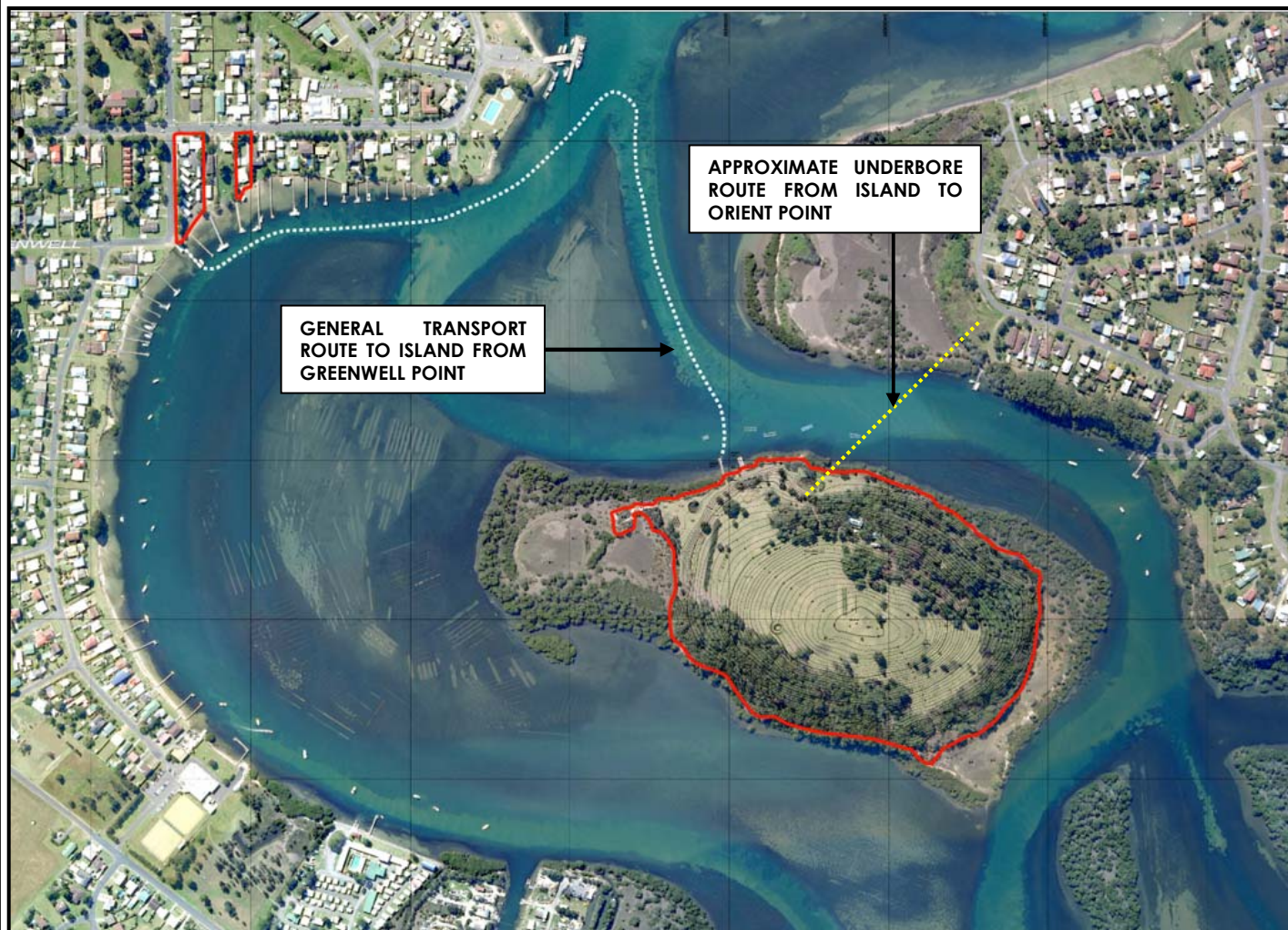
Table 1: Summary of proposed works impacting on ASS risk areas, and management requirements.

Impacts / Issues	Risk to Element	Risk Management Methods
ASS	Medium	Whilst much of the underbore will be in rock or residual soil, potential ASS may be encountered along the under bore route. ASS assessment conducted by Martens (P0601331JC07_v2) details the management requirements for spoil if underbore option used.
Jetty	No risk.	Location will avoid public wharf at Orient Point.
Sea Grasses / SEPP 14 Wetland	No risk.	Under bore will avoid disturbance in SEPP 14 areas and sea grass beds.
Boating	No risk	Boating traffic will not impact on under bored cable.

Point 7:

Correspondence to date with Integral Energy (dated 25/08/08 and attached to this letter) indicates that connection to a 300 kVA is required to power the proposed tourist development at Goodnight Island. According to information provided, a Point of Supply can be made available at Orient Point, to be taken, via a high voltage cable to a substation on the Island. Here it will be transformed to low voltage for subsequent distribution.

Additionally, communications cables (phone and optic fibre cables) will be supplied from the same location at Orient Point (see Figure 1).



Martens & Associates Pty Ltd ABN 85 070 240 890		Environment Water Wastewater Geotechnical Civil Management	
Drawn:	JSF	APPROXIMATE UNDERBORE ROUTE BETWEEN GODDNIGHT ISLAND AND ORIENT POINT	Drawing No:
Approved:	DMM		FIGURE 1
Date:	25.06.09		
Scale:	NA		Job No: P0601331