

Comments on Commuter Ferry Navigation Passing Breakfast Point

These notes should be read with reference to drawings N05 and N06 prepared by TLB Engineers.

1. Ferries Travelling Downstream (to Circular Quay)

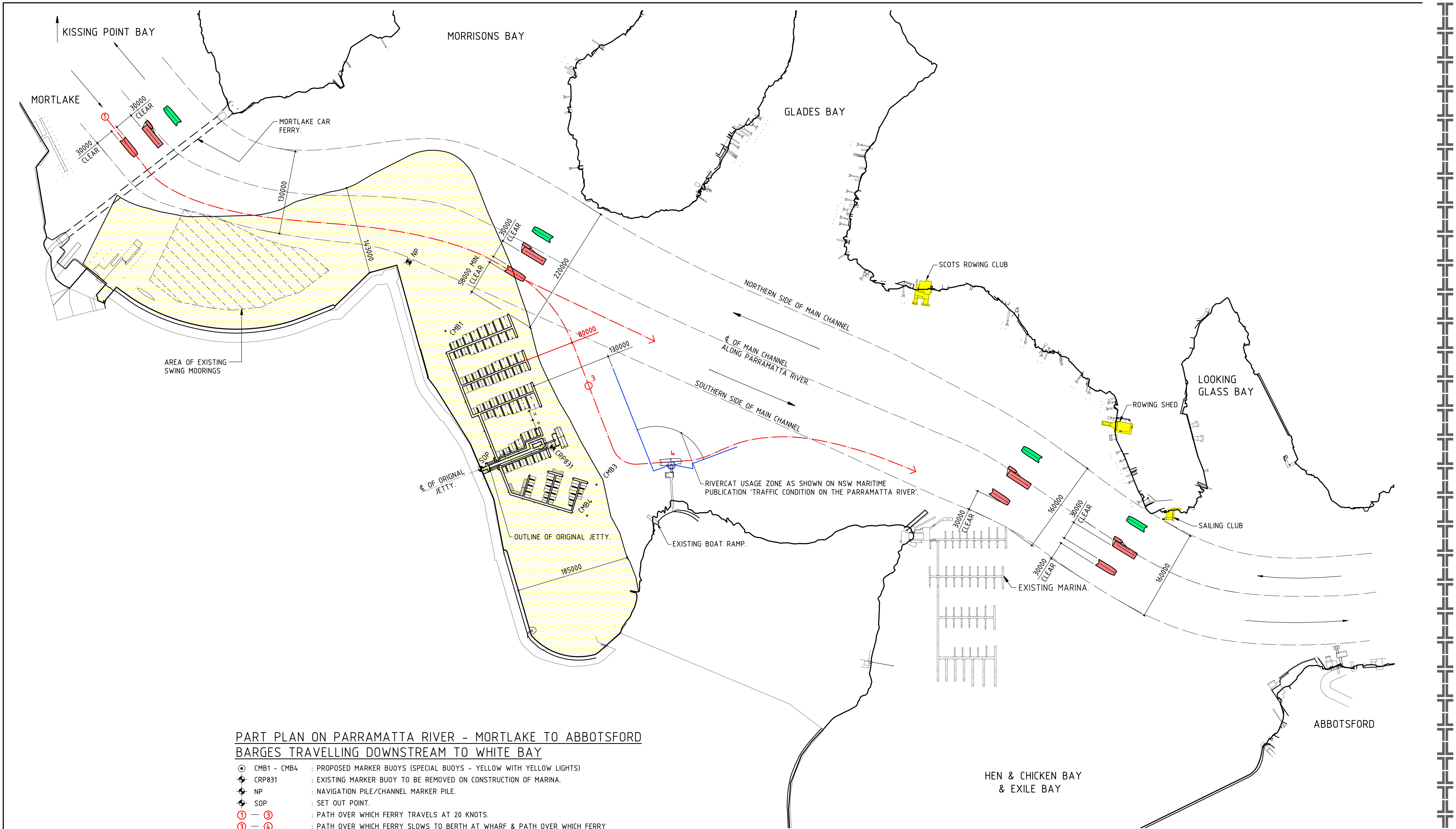
- 1) At the Mortlake Car Ferry, Sydney Ferries vessels must turn and head on a path which keeps them 30m clear of the channel marker pile of Breakfast Point.
- 2) At the channel marker pile they turn (to starboard) and head either to Cabarita Wharf or down to the southern side of the main channel.
- 3) At no time does the path of the ferry cross the centre line of the channel and there is 120 metres of clear navigable water on the southern side of the main channel for the ferry to manoeuvre southward to avoid a vessel travelling upstream which is in the centre of the channel or on the southern side (wrong side) of the channel.
- 4) If there is a vessel in the centre of the main channel the ferry is able to pass on the southern side of the vessel with at least 58m clear water to the marina.

2. Ferries Travelling Upstream

- 1) Ferries not stopping at Cabarita Wharf remain on the northern side of the main channel as at present, and will not be affected by the proposed marina.
- 2) Ferries stopping at Cabarita Wharf cross the downstream vessel traffic east of Cabarita Wharf at present, and will not be affected by the marina in this part of their path of travel.
- 3) At present ferries departing Cabarita wharf travel northwest and cross the downstream vessel traffic east and well clear of the Breakfast Point channel marker pile. As these ferries approach the southern side of the channel they should have a good view of vessels travelling upstream and downstream in the main channel. The optimum location for vessels to get a good view of all vessel traffic in the main channel when the ferry is approaching the southern side of the main channel, is 280m from the channel marker pile as shown on the drawing N06.
- 4) At the location identified in '3', with the marina in place, the ferry would be 80m away from the marina and the marina would not be impeding the view upstream.

Summary

With the marina in place ferries travelling downstream would not cross the centre line of the channel and there is ample clear navigable waterway on the southern side of the channel at the marina for the ferries to deviate to the south to avoid any vessel travelling in the centre or on the southern side of the channel.



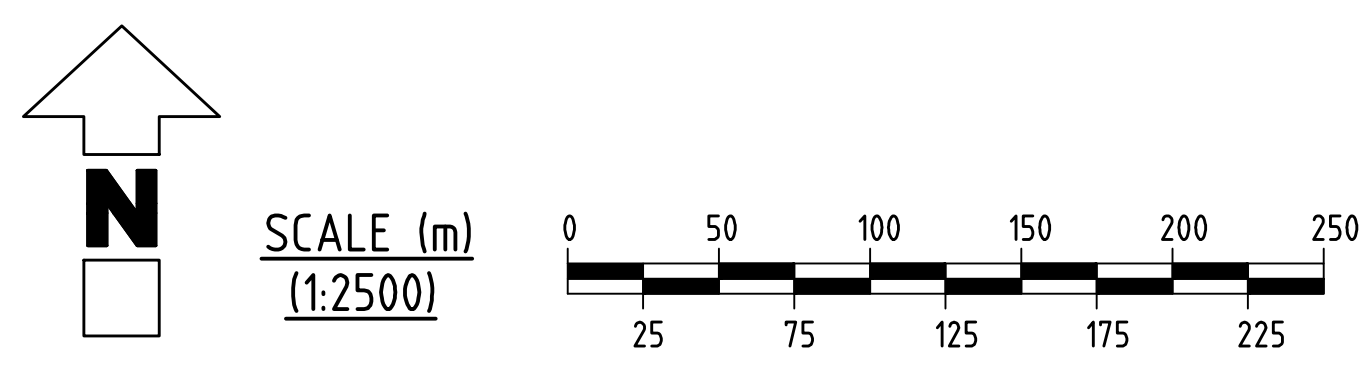
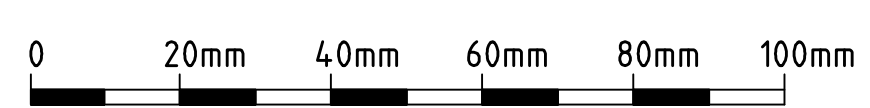
**PART PLAN ON PARRAMATTA RIVER - MORTLAKE TO ABBOTSFORD
BARGES TRAVELLING DOWNSTREAM TO WHITE BAY**

- ⊙ CMB1 - CMB4 : PROPOSED MARKER BUOYS (SPECIAL BUOYS - YELLOW WITH YELLOW LIGHTS)
- ⊕ CRP831 : EXISTING MARKER BUOY TO BE REMOVED ON CONSTRUCTION OF MARINA.
- ⊕ NP : NAVIGATION PILE/CHANNEL MARKER PILE.
- ⊕ SOP : SET OUT POINT.
- ① - ③ : PATH OVER WHICH FERRY TRAVELS AT 20 KNOTS.
- ③ - ④ : PATH OVER WHICH FERRY SLOWS TO BERTH AT WHARF & PATH OVER WHICH FERRY BUILDS UP SPEED WHEN DEPARTING WHARF HEADING UP RIVER.
- ⬜ : AREA OF WHICH REMEDIATION ORDER APPLIES.
- : PROPOSED TRAVEL PATH (RIVERCAT & SUPERCAT) TRAVELLING TO CIRCULAR QUAY.
- ▬ : BARGE AND TUG TRAVELLING DOWNSTREAM.
- ▬ : FERRY TRAVELLING DOWNSTREAM.
- ▬ : FERRY TRAVELLING UPSTREAM.

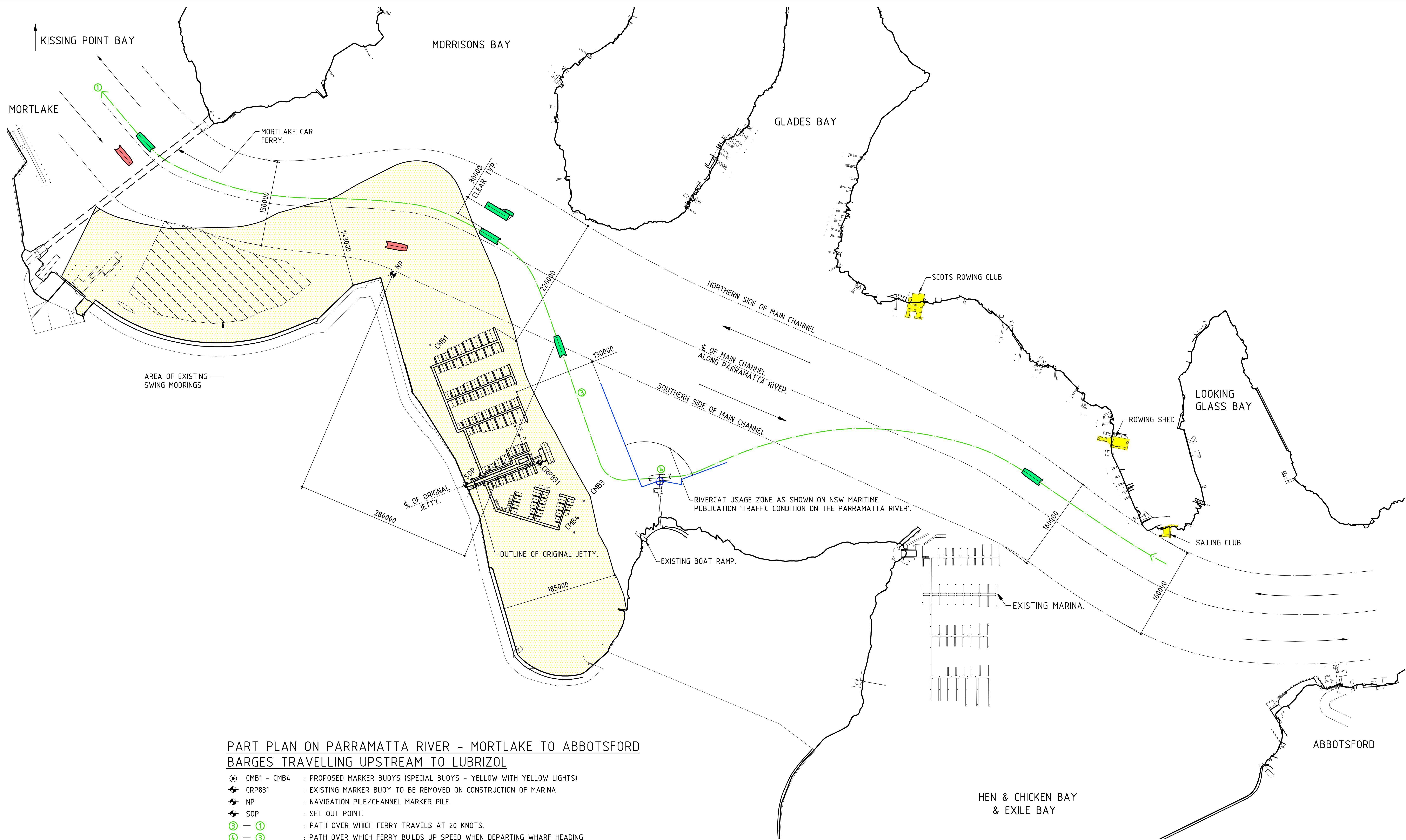


**NAVIGATION
VESSELS PASSING LUBRIZOL BARGES**

Design H.B.	Scales 1:2500	Job No. 01013
Drawn R.S.	Date 08.02.11	Dwg. No. N05
App'd.	Sheet Size B1	Rev. No. 01

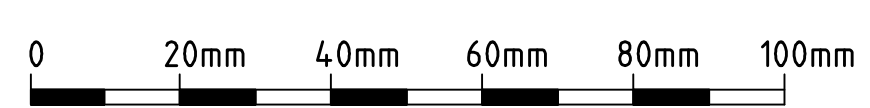
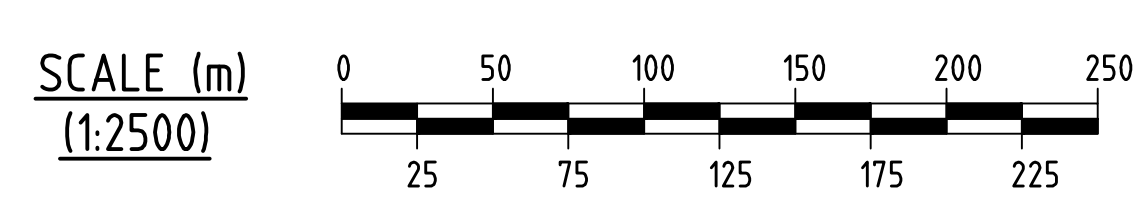
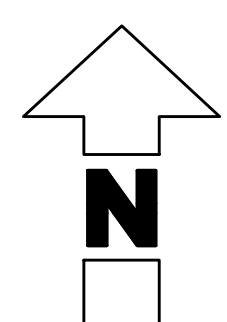


01 : PROJECT APPLICATION



**PART PLAN ON PARRAMATTA RIVER - MORTLAKE TO ABBOTSFORD
BARGES TRAVELLING UPSTREAM TO LUBRIZOL**

- ⊙ CMB1 - CMB4 : PROPOSED MARKER BUOYS (SPECIAL BUOYS - YELLOW WITH YELLOW LIGHTS)
- ⊕ CRP831 : EXISTING MARKER BUOY TO BE REMOVED ON CONSTRUCTION OF MARINA.
- ⊕ NP : NAVIGATION PILE/CHANNEL MARKER PILE.
- ⊕ SOP : SET OUT POINT.
- ③ - ① : PATH OVER WHICH FERRY TRAVELS AT 20 KNOTS.
- ④ - ③ : PATH OVER WHICH FERRY BUILDS UP SPEED WHEN DEPARTING WHARF HEADING UP RIVER.
- ▨ : AREA OF WHICH REMEDIATION ORDER APPLIES.
- : TRAVEL PATH (RIVERCAT & SUPERCAT) TRAVELLING TO PARRAMATTA.
- ▬ : BARGE AND TUG TRAVELLING UPSTREAM.
- ▬ : FERRY TRAVELLING UPSTREAM.
- ▬ : FERRY TRAVELLING DOWNSTREAM.



NAVIGATION
SYDNEY FERRY VESSELS TRAVELLING
UPSTREAM

Design H.B. Scales 1:2500 Job No. 01013
Drawn D.M. Date 09.02.11 Dwg. No. N06
App'd. Sheet Size B1 Rev. No. 01

