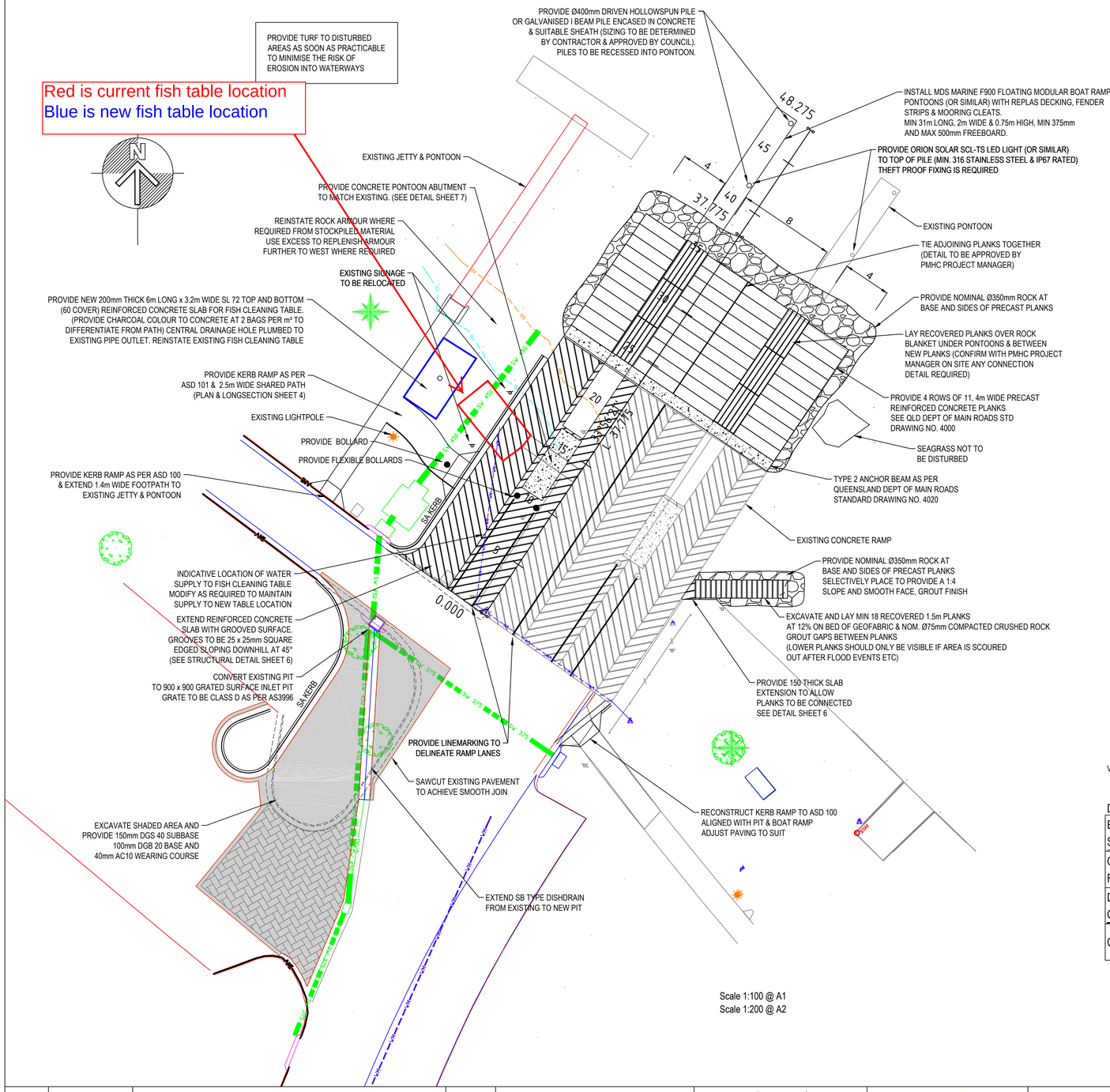
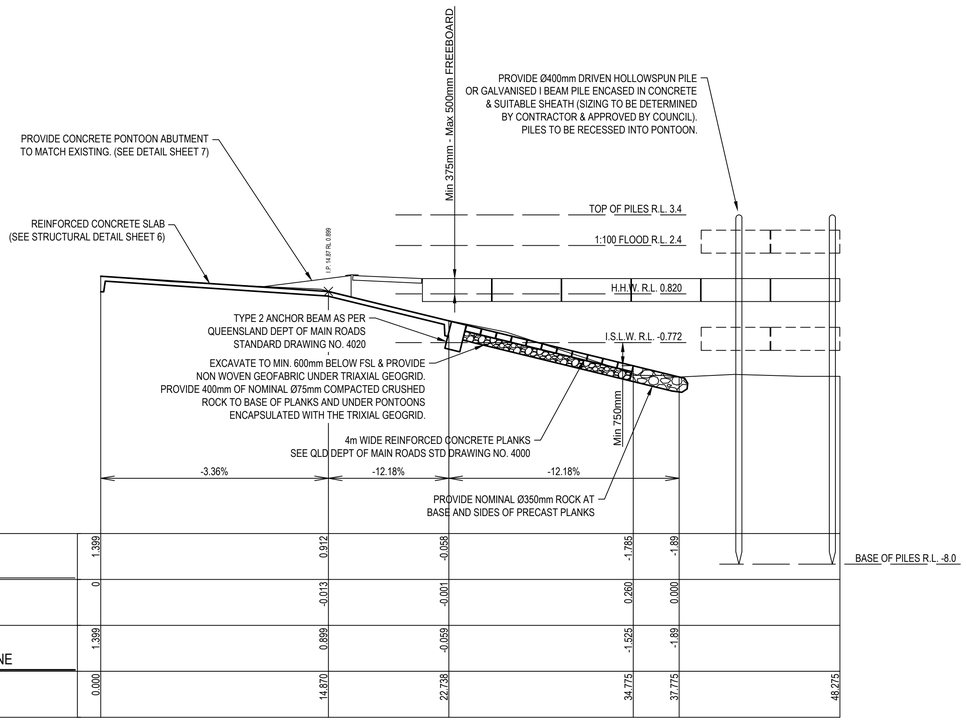


Scale 1:100 @ A1
Scale 1:200 @ A2

PONTOON NOTES

Pontoon detail design will be by the manufacturer taking into consideration the following points:

1. Pontoons shall be design and manufactured in accordance with AS3962 - "Guidelines for design of Marinas".
2. This facility is intended to be suitable for use by people with disabilities and design shall be in accordance with AS1428 - "Design for Acess and Mobility". Concrete abutments and all connections with pontoons shall be detailed so as to not inhibit wheelchair access to the pontoon.
3. All decking, steps, edges and concrete surfaces are to be supplied and installed in accordance with AS4586 - "Slip Resistance classification of new pedestrian surface materials".
4. Manufacturer to provide detailed analysis and design for stability, structural integrity, flotation capability, stability and all other requirements of AS3962
5. Float systems should be completely watertight and able to be maintained. They should also demonstrate that stability and flotation is maintained in the event of damage to a number of units. Access for the removal of water should be provided. Alternatively, positive flotation may be adopted by completely filling floats with a suitable material to prevent the ingress of water should the float be damaged through impact or other causes.
5. Suitable floats would be UV stabilised, high stress, crack resistant linear polyethylene modules.
6. Include a double row of fender strips to be attached at top and bottom of the edge rail to avoid any exposed aluminium or timber edge causing damage to boats. Fendering needs to be adequately sized such that vessels do not get trapped between the base of the top fender and the water.
7. Tie off cleats are to be set back min 50mm from boat contact points to avoid contact with hulls of larger boats that overhang the pontoon edge.
8. Welded or Bolted Cleats must be detailed such that structural frame is not damaged by tear-out in the event of overloading.
9. Pontoons to be connected end to end using proprietary bolt through connectors of a rubber grommet type or approved equivalent.
10. Pontoon design shall incorporate mountings for Access "C" Crane.
11. Pontoons are designed to be floated into position without the need for a crane. Allow to install bolt-on transoms across open ends of pontoons for structural integrity after being floated into position.



EXISTING SURFACE	1.399		0.912		-0.058		-1.765	-1.89	
CUT (-) / FILL (+)	0		-0.013		-0.001		0.260	0.000	
DESIGN CONTROL LINE	1.399		0.899		-0.059		-1.525	-1.89	
CHAINAGE	0.000		14.870		22.738		34.775	37.775	48.275

Horizontal Scale 1:200
Vertical Scale 1:100

Longitudinal Section - Boat Ramp

Rev.	Date	Description	Approval

PORT MACQUARIE-HASTINGS COUNCIL
SURVEY & DESIGN

Approval

Greg Every — 1 July 2015
Engineering Designer — Date

Rowan Howarth — 4 July 2015
Design Manager — Date

Gary Randall — 13 July 2015
Group Manager Infra Delivery — Date

PORT MACQUARIE HASTINGS

Westport Boat Ramp Stage 2 Works

Scale
1:100 1 2 3 4 5 6 7 8 9 10 m
1:200 2 4 6 8 10 12 14 16 18 20 m

Drawn: G. Every
Surveyed: J McGregor / J Thompson
Coordinate System: MGA

Plan

Date Created: June 2015
Drawing Number: CP POR 061
Sheet Size: A1
Origin of Levels: SS73622 R.L.2.535 AHD
Sheet 3 of 8
Revision: A
File Path/Name: G:\Infra\SURVEY & DESIGN\Design CP - Car Parks & Boat Ramps\Park St Westport Park Boat Ramp pontoon CP POR 061\Final\Westport Boat Ramp St2 Final.dwg