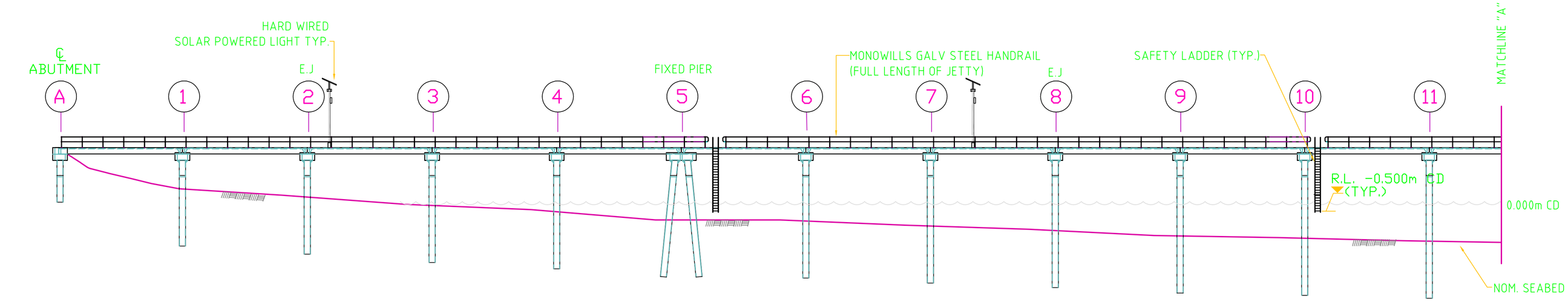
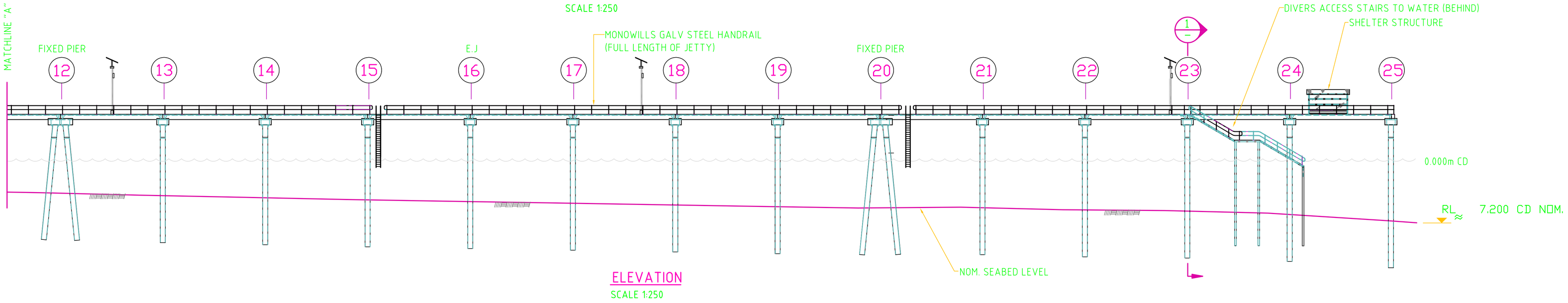


ELEVATION
SCALE 1:250



ELEVATION
SCALE 1:250

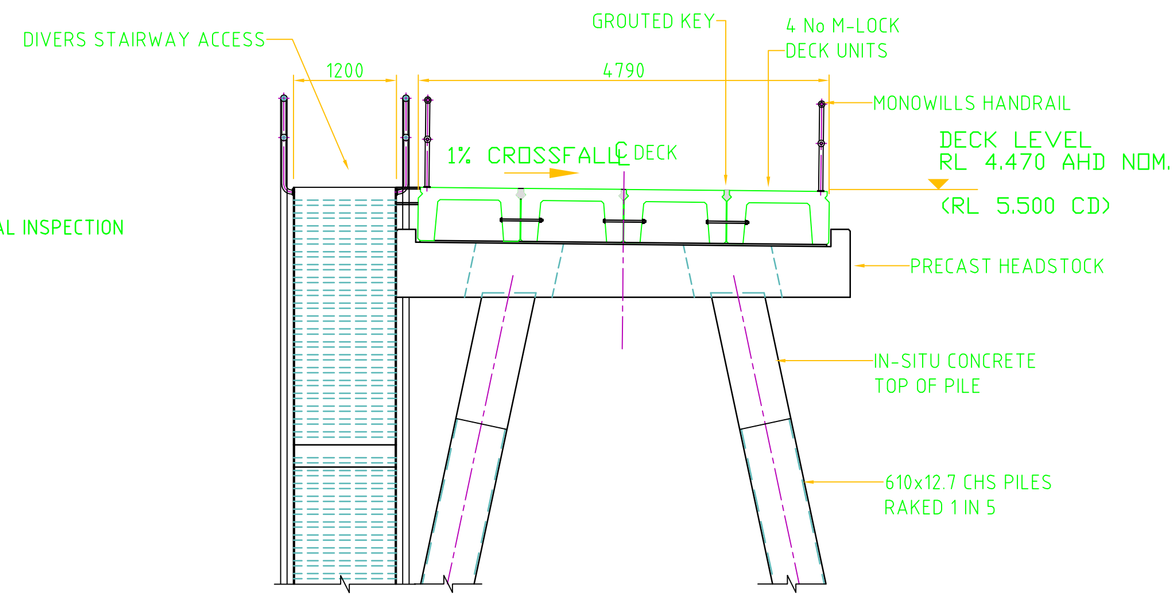
NOTES:

GENERAL
1. DESIGN IN ACCORDANCE WITH AS4997 - GUIDELINES FOR THE DESIGN OF MARITIME STRUCTURES EXCEPT FOR M-LOCK DECK UNITS.
2. ALL LEVELS TO AHD U.N.O. AT SITE 0.000m CD (LWD) = -1.030m AHD.
3. DESIGN LIFE = 40 YEARS

DESIGN LOADS
1. CLASS 5 MARITIME STRUCTURE TO AS4997
2. WIND LOADS TO AS4997 & AS1170.2
3. DESIGN WAVE HEIGHT OF 5.6m WITH A CREST LEVEL OF RL4.0m CD. DESIGN WATER LEVEL RL1.2m CD

CONCRETE
1. EXPOSURE CLASSIFICATION - C2
2. CAST IN PLACE CONCRETE U.N.O : GRADE S40
   COVER 75mm
3. PRECAST CONCRETE -
M-LOCK UNITS :
-DECK UNITS & CONNECTIONS ARE PART OF A PROPRIETARY SYSTEM, DESIGN OF WHICH IS BY OTHERS. REFER ROCLA DRAWINGS FOR DETAILS.
- CONCRETE MIX IS TO A PERFORMANCE SPECIFICATION TO ACHIEVE A 40 YEAR DESIGN LIFE WITH 35mm COVER
HEADSTOCKS:
-GRADE S50
-COVER - TO EXTERNAL FACES = 60mm
- TO INTERNAL VOIDS = 30mm
4. ALL EXTERNAL CORNERS SHALL HAVE 20mm CHAMFER UNLESS SHOWN OTHERWISE
5. ALL REINFORCEMENT TO BE GRADE D500N TO AS/NZS4671
6. ALL LAPS TO BE STAGGERED & A MINIMUM OF 36 BAR DIA UNO.
7. ALL BENDS, HOOKS & COGS TO BE IN ACCORDANCE WITH AS3600.
8. SPIRALS TO BE SPLICED BY WELDING OR MECHANICAL MEANS ONLY.
9. PLASTIC BAR CHAIRS NOT TO BE USED. CONCRETE PREFERRED

STEELWORK
1. PILES TO BE GRADE 350
2. CORROSION ALLOWANCE - INTERNAL PERIMETER = 0.01mm/YR
   - EXTERNAL PERIMETER = 0.08mm/YR
3. PILE SPLICES WHERE NECESSARY SHALL BE COMPLETE PENETRATION BUTT WELDS
4. ALL WELDING SHALL BE SP CATEGORY TO AS/NZS1554 PART 1.
5. ALL WELDS SHALL BE PREQUALIFIED IN ACCORDANCE WITH CLAUSE 4.3 & SUBJECT TO VISUAL INSPECTION OF WORK IN ACCORDANCE WITH CLAUSE 6.2 OF AS/NZS1554 PART 1.
6. ALL CORNERS OF EXPOSED EDGES ON STEEL PLATES TO BE ROUNDED TO A RADIUS OF 2mm
7. DIVERS PLATFORM TO BE MARINE GRADE ALUMINIUM.



SECTION 1 / –
SCALE 1:50

TS/PC

PRELIMINARY DESIGN

Government of South Australia
Department for Transport, Energy and Infrastructure
Marine Facilities Section

DESCRIPTION	NO.	DATE	RESP	AUTHORISED	TCD AMENDTS APPROVED FOR E.D.	TSA 27 DATE	TECH. DETAILS APPROVED FOR E.D.	CONSTRUCTED DATE

AMENDMENTS

Connell Wagner
Connell Wagner Pty Ltd ABN 54 005 139 873
55 Grenfell Street Adelaide
South Australia 5000 Australia
Telephone: +61 8 8237 9777
Facsimile: +61 8 8237 9778
Email: cwadl@conwag.com

Drawn	M.BENNIER	Date 01/07
Designed	B.JENNINGS	Date 01/07
Verified	–	Date –
Approved	HCT	Date –
Job No.	21678-002	
Issue	01	

100 MILLIMETRES ON ORIGINAL DRAWING

FILE NAME : 2-6763-002.DWG
DIRECTORY : W:\21678-002\STRUC

INDEX/LOCALITY | GEOM. LAYOUT | SURFACE LEVELS | LONG. SECTION | CROSS SECTIONS | DRAINAGE | SERVICES | SURVEY MARKS | MED. IS. S/BRS. | PAVT. MARKING | SIGNS | LIGHTING | T. CONTROL LAYOUT | T. CONTROL INST. | I/SECTION. JUNC. | TRAFFIC SIGS. | P.A.C./S. XING. | DUCT LOCATION | TREE REMOVAL | VEG. SURVEY | LANDSCAPE

DESIGN	APPROVED FOR CONSTRUCTION
DRAWN	
CHECKED	ACCEPTED TO LODGE IN DTEI BY:
PROOF CHECKED	TITLE:
DTEI CONTACT	DATE:
	CONSTRUCTED BY:
	DATE:

NEW RAPID BAY JETTY
RAPID BAY
FLEURIEU PENINSULA
ELEVATION & NOTES

PROJECT START : RRD. | PROJECT END : RRD.

PROJECT NO SURVEY | AMEND | SHEET 002 | DRG 2-6763