



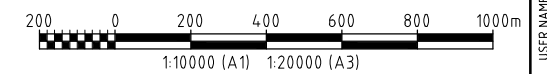
BERMAGUI - LAMONT STREET BOAT RAMP AND PONTOON



LOCALITY PLAN
NTS

DRAWING LIST

DRG NUMBER	TITLE
301015-04.031-MA-DWG-0100	TITLE SHEET, LOCALITY PLAN AND DRAWING LIST
301015-04.031-MA-DWG-0101	GENERAL NOTES SHEET 1
301015-04.031-MA-DWG-0102	GENERAL NOTES SHEET 2
301015-04.031-MA-DWG-0103	BOAT RAMP AND PONTOON GENERAL ARRANGEMENT PLAN
301015-04.031-MA-DWG-0104	BOAT RAMP AND PONTOON EXISTING PARKING AND PROPOSED LAYOUT
301015-04.031-MA-DWG-0105	BOAT RAMP PLAN AND TYPICAL SECTION
301015-04.031-MA-DWG-0106	BOAT RAMP SECTIONS
301015-04.031-MA-DWG-0107	BOAT RAMP DETAILS
301015-04.031-MA-DWG-0108	PONTOON PLAN & SECTIONS



										A1 SHEET SCALE	ENGINEERING AND PERMIT STAMPS (As Required)		CUSTOMER	
											<div style="border: 1px solid red; padding: 5px; text-align: center;">APPROVED FOR CONSTRUCTION</div>			
										<small>Copyright © WorleyParsons Services Pty Ltd ABN 61 001 279 812</small>				
										ADVISIAN PROJECT No.	<small>*This drawing is prepared solely for the use of the contractual customer of Advisian and Advisian assumes no liability to any other party for any representations contained in this drawing.*</small>		BERMAGUI - LAMONT STREET BOAT RAMP AND PONTOON TITLE SHEET, LOCALITY PLAN AND DRAWING LIST	
0	31.08.20	ISSUED FOR CONSTRUCTION	BW	CA	CA	GW	CA			301015-04.031				
REV	DATE	REVISION DESCRIPTION	DRAWN	DRAFT CHK	DESIGNED	ENG CHK	APPROVED	CUSTOMER	REF DRAWING No	REFERENCE DRAWING TITLE				

USER NAME: william.watkins
 LOCATION: \\AUS1DWP06501V\AUS1D\PORTS AND MARINE\JOBS CURRENT\301015-04.031 BEGA BOAT RAMP\110 DRAWINGS\DRGS\STRUCTURAL\BERMAGUI\301015-04.031-MA-DWG-0100-0101-0102_0.DWG
 PLOT DATE & TIME: 31/08/2020 3:45:01 PM
 SAVE DATE & TIME: 31/08/2020 11:42:47 AM
 ADVISIAN_AT_1

GENERAL

THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL OTHER DRAWINGS AND SPECIFICATIONS AND WITH SUCH OTHER WRITTEN INSTRUCTIONS AS MAY BE ISSUED DURING THE COURSE OF THE CONTRACT. ANY DISCREPANCY SHALL BE REFERRED TO THE SUPERINTENDENT BEFORE PROCEEDING WITH THE WORK.

ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE RELEVANT AND CURRENT SAA CODES AND WITH THE BY-LAWS AND ORDINANCES OF THE RELEVANT BUILDING AUTHORITIES EXCEPT WHERE VARIED BY THESE DRAWINGS AND THE SPECIFICATION.

ALL CRITICAL ARRANGEMENTS AND DIMENSIONS SHOWN SHALL BE VERIFIED BY THE CONTRACTOR ON SITE BEFORE WORK COMMENCES. DRAWINGS SHALL NOT BE SCALED FOR DIMENSIONS.

BEFORE UNDERTAKING ANY WORK, ESTABLISH THE LOCATIONS OF ALL EXISTING SERVICES AFFECTED BY THE WORKS. IF NECESSARY CARRY OUT DIAL-BEFORE-YOU-DIG. ADVISE THE SUPERINTENDENT IF THERE ARE ANY UNKNOWN SERVICES THAT CAN POTENTIALLY BE AFFECTED BY THE WORKS.

DURING CONSTRUCTION THE STRUCTURE SHALL BE MAINTAINED IN A STABLE CONDITION AND NO PART SHALL BE OVERSTRESSED. TEMPORARY BRACING AND BATTERS SHALL BE PROVIDED BY THE CONTRACTOR TO KEEP THE WORKS AND EXCAVATIONS STABLE AT ALL TIMES.

THE CONTRACTOR SHALL PROVIDE TEST CERTIFICATES FROM A N.A.T.A. APPROVED TESTING LABORATORY CERTIFYING THAT THE MATERIALS USED COMPLY WITH THE RELEVANT SPECIFICATIONS.

UNLESS NOTED OTHERWISE ALL LEVELS ARE IN METRES RELATIVE TO AUSTRALIAN HEIGHT DATUM.

SURVEY

PRIOR TO THE COMMENCEMENT OF ANY WORKS THE CONTRACTOR SHALL ARRANGE FOR SURVEYED CROSS-SECTIONS OF THE SITE TO BE UNDERTAKEN AT 10m INTERVALS. ON COMPLETION OF THE WORKS AN IDENTICAL SURVEY SHALL BE UNDERTAKEN BY THE CONTRACTOR AT THE SAME CROSS-SECTION LOCATIONS. THE SURVEYED CROSS SECTION SHALL EXTEND A MINIMUM OF 10m FROM EACH END (TOP AND BOTTOM) OF THE SCOUR PROTECTION.

SURVEY SHALL BE CARRIED OUT BY A SUITABLY EXPERIENCED AND QUALIFIED REGISTERED SURVEYOR. THE SUPERINTENDENT SHALL BE PROVIDED WITH TWO COPIES OF A1 SIZE DRAWINGS OF THE SURVEY, DETAILING ALL THE CROSS-SECTIONS AT 1:200 SCALE AND PLANS DETAILING CROSS-SECTION LOCATIONS AT 1:200 SCALE. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY FURTHER SURVEY REQUIRED DUE TO THE WORK BEING INCOMPLETE OR NOT COMPLYING WITH THE DRAWINGS AND SPECIFICATIONS.

DEMOLITION

CARRY OUT DEMOLITION WORK IN ACCORDANCE WITH AS 2601 MAKING DUE ALLOWANCE FOR ANY DETERIORATION IN THE CONDITION OF THE STRUCTURE.

PROTECT PROPERTY AND SERVICES WHICH ARE TO REMAIN ON OR ADJACENT TO THE SITE.

LAWFULLY DISPOSE OF ALL DEMOLITION/CONTAMINATED MATERIALS.

SUBGRADE PREPARATION

THE SOIL SUBGRADE WILL REQUIRE PROOF ROLLING PRIOR TO CONSTRUCTION. PROOF ROLLING SHALL BE COMPLETED IN THE FOLLOWING MANNER:

- THOROUGHLY MOISTEN THE EXISTING SOIL SUBGRADE THEN PROOF ROLL WITH EIGHT PASSES OF A 2-TONNE DEADWEIGHT SMOOTH DRUM VIBRATORY ROLLER. FOR THE LOWER HALF OF THE BOAT RAMP. THE STATIC LOAD OF THE ROLLER IS TO BE USED TO ACHIEVE EFFECTIVE COMPACTION.
- PROOF ROLLING IS TO BE CARRIED OUT UNDER THE DIRECTION OF AN EXPERIENCED EARTHWORKS SUPERINTENDENT OR GEOTECHNICAL ENGINEER. ANY SOFT OR UNSTABLE AREAS IDENTIFIED DURING PROOF ROLLING SHOULD BE LOCALLY EXCAVATED AND REPLACED WITH ENGINEERED FILL.
- FOR THE INTERTIDAL SECTION OF THE RAMP, THE FORESHORE SUBGRADE IS TO BE IMPROVED BY ATTEMPTING PROOF ROLLING AT LOW TIDE, OR END TIPPING GRANULAR FILL OF MAXIMUM DIAMETER 150mm AND NOMINALLY COMPACTED WITH EXCAVATOR BUCKET TO PROVIDE A SMOOTH BEDDING.

CONCRETE

ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS 3600 CURRENT EDITION WITH AMENDMENTS, EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS.

CONCRETE USED IN THE WORKS SHALL BE EITHER MASS CONCRETE OR REINFORCED CONCRETE AS NOTED ON THE DRAWINGS AND SHALL COMPLY WITH THE FOLLOWING REQUIREMENTS:

PROPERTY	REINFORCED CONCRETE
EXPOSURE CLASSIFICATION	C
CONCRETE GRADE	S50
CLEAR COVER TO REINFORCEMENT (MIN)	65 mm
SURFACE FINISH	CLASS 2
	WOOD FLOAT
	TRAFFICABLE SURFACE
	LIGHT BROOM FINISH

FLYASH UP TO 45 kg/m³ MAY BE ADDED FOR INCREASED WORKABILITY.

SUPERPLASTICISER SUCH AS RHEOBUILD BY MASTER BUILDERS TECHNOLOGIES (MBT) OR APPROVED EQUIVALENT SHALL BE ADDED IN DOSAGES AS ADVISED BY THE MANUFACTURER. THE MANUFACTURER SHOULD BE CONSULTED IN RELATION TO THE DOSAGE AND USAGE OF RHEOBUILD AND IT'S EFFECTIVE LIFE. NO OTHER ADMIXTURES SHALL BE USED IN CONCRETE UNLESS SPECIFIED OR APPROVED IN WRITING BY THE SUPERINTENDENT.

THE FINISHED CONCRETE SHALL BE DENSE HOMOGENEOUS MASS, COMPLETELY FILLING THE FORMWORK, THOROUGHLY EMBEDDING THE REINFORCEMENT AND FREE OF STONE POCKETS. CONCRETE SHALL BE COMPACTED WITH MECHANICAL VIBRATORS.

TESTING AND ASSESSMENT FOR COMPLIANCE OF CONCRETE SHALL BE CARRIED OUT BY THE CONTRACTOR IN ACCORDANCE WITH AS 3600. CYLINDER COMPRESSION TESTS ARE REQUIRED AT 3 DAYS, 7 DAYS AND 20 DAYS FOR PRECAST ELEMENTS. PROPOSED CONCRETE MIX DESIGN TO BE SUBMITTED TO ENGINEER FOR APPROVAL.

MAINTAIN COVER TO REINFORCEMENT AT CHAMFERS, ETC.

CONSTRUCTION JOINTS WHERE NOT SHOWN SHALL BE LOCATED TO THE APPROVAL OF THE SUPERINTENDENT.

DURING AND IMMEDIATELY FOLLOWING POURING, THE CONCRETE SHALL BE PROTECTED FROM DRYING EFFECT OF WIND AND SUN. AWNINGS AND WIND BREAKS ARE TO BE UTILISED FOR THIS PURPOSE.

CURING OF ALL CONCRETE IS TO BE ACHIEVED BY KEEPING SURFACES CONTINUOUSLY WET FOR A PERIOD OF 7 DAYS, AND PREVENTION OF LOSS OF MOISTURE FOR A FURTHER 14 DAYS FOLLOWED BY A GRADUAL DRYING OUT. POLYTHENE SHEETING OR WET HESSIAN MAY BE USED IF PROTECTED FROM WIND AND TRAFFIC. DO NOT USE APPLIED CURING AGENTS.

THE SUPERINTENDENT SHALL BE GIVEN 24 HOURS NOTICE FOR REINFORCEMENT INSPECTION AND CONCRETE SHALL NOT BE DELIVERED UNTIL FINAL APPROVAL IS OBTAINED.

ALL EXPOSED CONCRETE AREAS SHALL HAVE A 15mm x 15mm CHAMFER UNLESS NOTED OTHERWISE ON THE DRAWINGS.

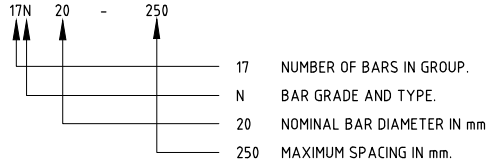
THE FINISHED CONCRETE SURFACE SHALL BE FREE OF CRACKS HAVING A CRACK WIDTH EQUAL TO OR GREATER THAN 0.1mm AT THE TIME OF PRACTICAL COMPLETION. IF CRACKING EXCEEDS THIS LIMIT, THE CONTRACTOR SHALL MAKE GOOD, AT HIS EXPENSE, THE CRACKS TO THE SATISFACTION OF THE SUPERINTENDENT WHICH MIGHT COMPRISE REPLACEMENT OF CONCRETE ELEMENT OR SEALING THE CRACKS WITH SILANE/SILICA FUME GEL, OR OTHER WORKS.

REINFORCEMENT

THE SUPERINTENDENT SHALL BE GIVEN 24 HOURS NOTICE FOR REINFORCEMENT INSPECTION AND CONCRETE SHALL NOT BE DELIVERED UNTIL FINAL APPROVAL IS OBTAINED.

REINFORCEMENTS SYMBOLS:

- N DENOTES GRADE 500 N BARS TO AS/NZS 4671 DUCTILITY CLASS N.
- R DENOTES GRADE 250 R HOT ROLLED PLAIN BARS TO AS 1302 DUCTILITY CLASS N.
- SL DENOTES GRADE 500 L DEFORMED WELDED WIRE MESH TO AS/NZS 4671 DUCTILITY CLASS L.
- SN DENOTES GRADE 500 N DEFORMED WELDED WIRE MESH TO AS/NZS 4671 DUCTILITY CLASS N.
- LTM DENOTES GRADE 500 L DEFORMED WELDED WIRE MESH TO AS/NZS 4671 DUCTILITY CLASS L.



REINFORCEMENT IS REPRESENTED DIAGRAMMATICALLY AND NOT NECESSARILY IN TRUE PROJECTION.

ALL REINFORCEMENT TO BE HOT DIP GALVANISED UNO.

ALL REINFORCEMENT SHALL BE FIRMLY SUPPORTED AT NOT GREATER THAN 1m CENTRES BOTH WAYS. CONCRETE BLOCKS SHALL BE MADE FROM THE SAME CONCRETE TO BE POURED AROUND THE BLOCK. PLASTIC CHAIRS SHALL NOT BE USED. BARS SHALL BE TIED AT ALTERNATE INTERSECTIONS.

SLAB REINFORCEMENT SHALL EXTEND AT LEAST 12 BAR DIAMETERS ONTO SUPPORTS AND 50 PERCENT OF BOTTOM REINFORCEMENT SHALL BE COGGED TO ACHIEVE ANCHORAGE AT SIMPLY SUPPORTED ENDS.

SPICES IN REINFORCEMENT SHALL BE MADE ONLY IN POSITIONS SHOWN OR OTHERWISE APPROVED IN WRITING BY THE SUPERINTENDENT. LAPS SHALL BE IN ACCORDANCE WITH AS 3600 AND NOT LESS THAN THE DEVELOPMENT LENGTH FOR EACH BAR AND SHALL BE AS FOLLOWS:-

BAR DIA	LAP LENGTH
12	400
16	500
20	600
24	800
28	1000
32	1200
36	1500

JOGGLES TO BARS SHALL BE 1 BAR DIAMETER OVER A LENGTH OF 12 BAR DIAMETERS.

SCOUR PROTECTION

A. ROCK

ROCK SHALL CONSIST OF MATERIAL WHICH COMPLIES WITH THESE NOTES AND THE DRAWINGS. THIS REQUIREMENT APPLIES TO BOTH IMPORTED ROCK AND IN-SITU ROCK WHICH IS RE-USED.

INDIVIDUAL ROCKS SHALL BE FREE FROM CRACKS, CLEAVAGE PLANES, SEAMS AND DEFECTS WHICH WOULD RESULT IN THE BREAKDOWN OF THE ROCK IN A MARINE ENVIRONMENT.

ROCK ARMOUR SHALL BE IGNEOUS ROCK ONLY AND AS A MINIMUM, SHALL SATISFY THE FOLLOWING CRITERIA:-

- ROCK SHALL BE ROUGH AND ANGULAR.
- THE ARMOUR STONE THICKNESS SHALL COMPRISE AT LEAST TWO LAYERS OF ROCK.
- ROCK SHALL HAVE A MINIMUM DRY DENSITY OF 2600kg/m³.
- ROCK SHALL HAVE NO MORE THAN 10% (BY VOLUME) OLIVINE MATERIAL AND SHALL EXHIBIT NO ZONES OF SECONDARY ALTERATION SUCH AS CHLORITISATION.
- ROCK SHALL HAVE A SATURATED POINT LOAD STRENGTH INDEX (IS50) NO LESS THAN 5.0MPa FOR IGNEOUS ROCK.
- THE RATIO OF THE MAXIMUM DIMENSION TO THE MINIMUM DIMENSION, MEASURED AT RIGHT ANGLES TO THE MAXIMUM DIMENSION SHALL NOT EXCEED 2.5.

THE ARMOUR STONE, UNDERLAYER AND CORE MATERIAL SHALL BE PLACED SUCH THAT THE SPECIFIED REQUIREMENTS FOR MASS (MAXIMUM, MINIMUM AND 50% OR MEDIAN), FINISHED SIDE SLOPES, CREST AND TOE LEVELS, LAYER THICKNESSES AND DENSITY REQUIREMENTS, ARE SATISFIED. IN ADDITION ROCKS SHALL BE WEDGED AND LOCKED TOGETHER SUCH THAT THEY ARE NOT FREE TO MOVE. ARMOUR STONE SHALL NOT BE ROLLED OR DROPPED INTO POSITION, IT SHALL BE PLACED.

THE METHOD OF ROCK PLACEMENT SHALL BE SUCH AS TO:

- MINIMISE IT'S BREAKDOWN ON HANDLING AND PRODUCTION OF FINES.
- MINIMISE THE SEGREGATION OF VARIOUS GRADES OF ROCK.
- RESTRICT WATER CONTAMINATION.

ROCK SIZE TABLE				
TYPE 1	M15	40	D15	250
	M50	50	D50	300
	M85	60	D85	350
TYPE 2	M15	900	D15	800
	M50	1100	D50	850
	M85	1300	D85	900

B. EXCAVATION

THE EXTENT OF THE EXCAVATION WORK IS INDICATED ON THE DRAWINGS.

THE CONTRACTOR SHALL USE APPROPRIATE METHODS NECESSARY (SUCH AS OXYACETYLENE, POWER CUTTING/GRINDING, IMPACT HAMMER ETC.) TO REMOVE ALL MATERIALS TO BE EXCAVATED WHEN CARRYING OUT THE WORKS WITHOUT DISTURBING THE EMBANKMENT OUTSIDE THE EXCAVATION ZONE.

THE CONTRACTOR SHALL HAVE SATISFIED HIMSELF AS TO THE EXTENT OF MATERIAL THAT WILL REQUIRE METHODS FOR REMOVAL OTHER THAN MACHINE EXCAVATION AND PROVIDED FOR THIS IN THE LUMP SUM PRICE.

THE SURFACE BENEATH THE GEOTEXTILE SHALL BE MADE CONTINUOUS AND FREE OF VOIDS BY PLACING A LAYER OF GRANULAR FILL TO PROVIDE A SMOOTH BEDDING AS NECESSARY.

THE FILL LAYER SHALL HAVE A MAXIMUM PARTICLE DIAMETER OF 150mm AND SHALL BE WELL GRADED. EXCAVATED MATERIAL THAT IS GRANULAR SHALL BE USED AS FILL SUBJECT TO THE SUPERINTENDENT'S APPROVAL OF ITS SUITABILITY.

AT ALL TIMES DURING EXCAVATION THE CONTRACTOR SHALL PROVIDE AND MAINTAIN, TO THE SATISFACTION OF THE SUPERINTENDENT AND RELEVANT AUTHORITIES, A FLOATING BOOM WITH SUSPENDED SILT CURTAIN TO PREVENT FINES CONTAMINATING THE LAKE.

C. GEOTEXTILE

GEOTEXTILE SHALL BE "ELCOMAX 1200R" OR APPROVED EQUIVALENT.

GEOTEXTILE FILTER FABRIC SHALL BE LAID WITH MINIMUM 1000mm OVERLAPS UNLESS DETAILED OR SPECIFIED OTHERWISE. WHERE FABRIC IS LAID UNDER WATER AND VISIBILITY IS POOR (IE, THE FABRIC CANNOT BE SEEN CLEARLY FROM THE SURFACE) , THEN OVERLAPS SHALL BE INCREASED TO 2000mm, UNLESS THE CONTRACTOR HAS OTHER MEANS OF GUARANTEEING THE MINIMUM 1000mm OVERLAP. THE GEOTEXTILE FILTER SHALL BE LAID TO HAVE OVERLAPS PARALLEL TO THE SLOPE. THE STITCHING OF ADJACENT SHEETS IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS MAY BE CONSIDERED BY THE PRINCIPAL'S REPRESENTATIVE, AS AN ALTERNATIVE TO OVERLAPPING.

SHOULD PLACEMENT OF GEOTEXTILE IN WATER BE NECESSARY, GEOTEXTILE WILL REQUIRE BALLAST TO SECURE IT IN POSITION. GEOTEXTILE SHALL BE SECURED AND STABILISED DURING CONSTRUCTION TO AVOID FLAPPING.

SPECIFIC DESIGN LOADING FOR RAMP CONCRETE DECK STRUCTURE:

FOR BASIS OF DESIGN REFER TO 301015-04031-MA-B0D-0001 NOTING THE FOLLOWING:

MAX UNIFORMLY DISTRIBUTION LOAD = 15 kPa

VEHICLE LOADING: A160 (2 x 1t WHEEL LOADS AT 2m C/C)

										A1 SHEET SCALE	ENGINEERING AND PERMIT STAMPS (As Required)			CUSTOMER	
										<p>Copyright © WorleyParsons Services Pty Ltd ABN 61 001 279 812</p>	<div style="border: 1px solid red; padding: 5px; text-align: center; color: red; font-weight: bold;">APPROVED FOR CONSTRUCTION</div>				
0	31.08.20	ISSUED FOR CONSTRUCTION	BW	CA	CA	GW	CA				<small>"This drawing is prepared solely for the use of the contractual customer of Advisian and Advisian assumes no liability to any other party for any representations contained in this drawing."</small>		DRG No	REV	
REV	DATE	REVISION DESCRIPTION	DRAWN	DRAFT CHK	DESIGNED	ENG CHK	APPROVED	CUSTOMER	REF DRAWING No	REFERENCE DRAWING TITLE	301015-04031			301015-04031-MA-DWG-0101	0

LOCATION: \\AUSYDWPDFS01V\AUSYD\PORTS AND MARINE\JOBS CURRENT\301015-04031-MA-DWG-0100-0101-0102_0.DWG
 USER NAME: \\William.walsh@kins
 PLOT DATE & TIME: 31/08/2020 3:46:10 PM
 SAVE DATE & TIME: 31/08/2020 11:42:47 AM
 ADVISIAN_AT_C

ASPHALTIC CONCRETE

GENERAL

- A1. MINERAL AGGREGATES TO COMPLY WITH CLAUSE 2.1 – MATERIALS OF RTA SPECIFICATION R116 “ASPHALT (DENSE AND OPEN GRADED)”.
- A2. MINERAL FILLER TO COMPLY WITH AS 2357 (LATEST EDITION) MINERAL FILLERS FOR ASPHALT AND CLAUSE 2.12 – FILLER OF RTA SPECIFICATION R116 “ASPHALT (DENSE AND OPEN GRADED)”.
- A3. BITUMEN BINDER SHALL COMPLY WITH CLAUSE 2.13 – BINDER OF RTA SPECIFICATION R116 – “ASPHALT (DENSE AND OPEN GRADED)”.

MIX PROPORTIONS

- A4. JOB MIX – 14mm NOMINAL SIZE AGGREGATE MINIMUM BITUMEN CONTENT (%) BY MASS OF TOTAL MASS – 5.1%.
- A5. AIR VOIDS IN COMPACTED MIX – BETWEEN 4% AND 7% OF THE VOLUME OF THE MIX.
- A6. VOIDS FILLED IN BINDER – 65-80% OF AIR VOIDS IN THE TOTAL MINERAL AGGREGATE FILLED BY BINDER IN ACCORDANCE WITH RTA TEST METHOD T605 AND T607.

PAVEMENT PREPARATION

- A7. THE EXISTING SURFACE TO BE SEALED SHALL BE DRY AND BROOMED BEFORE COMMENCEMENT OF WORK TO ENSURE COMPLETE REMOVAL OF ALL SUPERFICIAL FOREIGN MATTER.
- A8. ALL DEPRESSIONS OR UNEVEN AREAS ARE TO BE TACK COATED AND BROUGHT UP TO GENERAL LEVEL OF PAVEMENT WITH ASPHALTIC CONCRETE BEFORE LAYING OF MAIN COURSE.

TACK COAT

- A9. THE WHOLE OF THE AREA TO BE SHEETED WITH ASPHALTIC CONCRETE SHALL BE LIGHTLY AND EVENLY COATED WITH RAPID SETTING BITUMEN COMPLYING WITH RTA SPECIFICATIONS 3252, 3253, 3254 AND 3269. APPLICATION RATE FOR RESIDUAL BITUMEN SHALL BE 0.15 TO 0.30 LITRES/SQUARE METER. APPLICATION SHALL BE MEANS OF A MECHANICAL SPRAYER WITH SPRAY BAR.

SPREADING

- A10. ALL ASPHALTIC CONCRETE SHALL BE SPREAD WITH A SELF PROPELLED PAVING MACHINE.
- A11. THE ASPHALTIC CONCRETE SHALL BE LAID AT A MIX TEMPERATURE AS SHOWN BELOW:
ROAD SURFACE TEMPERATURE IN SHADE A(°C), MIX TEMPERATURES (°C)

5-10°C:	NOT PERMITTED
10-15°C:	150°C
15-25°C:	145°C
OVER 25°C:	140°C
- A12. ASPHALTIC CONCRETE SHALL NOT BE LAID WHEN THE ROAD SURFACE IS WET OR WHEN COLD WINDS CHILL THE MIX TO ADVERSELY AFFECT SPREADING AND COMPACTION.

JOINTS

- A13. THE NUMBER OF JOINTS BOTH LONGITUDINAL AND TRANSVERSE SHALL BE KEPT TO A MINIMUM.
- A14. THE DENSITY AND SURFACE FINISH AT JOINTS SHALL BE SIMILAR TO THOSE OF THE REMAINDER OF THE LAYER.

COMPACTION

- A15. ALL COMPACTION SHALL BE UNDERTAKEN USING SELF PROPELLED ROLLERS.
- A16. INITIAL ROLLING SHALL BE COMPACTED BEFORE THE MIX TEMPERATURE FALLS BELOW 105°C
- A17. SECONDARY ROLLING SHALL BE COMPACTED BEFORE THE MIX TEMPERATURE FALLS BELOW 60°C USE PNEUMATIC TYRED ROLLER.
- A18. MINIMUM CHARACTERISTIC VALUE OF RELATIVE COMPACTION OF A LOT WHEN TESTED IN ACCORDANCE WITH CLAUSE 4.9 – COMPACTION OF RTA SPECIFICATION 116 “ASPHALT (DENSE AND OPEN GRADED)” SHALL BE 95%

FINISHED PAVEMENT PROPERTIES

- A19. FINISHED SURFACES SHALL BE SMOOTH DENSE AND TRUE TO SHAPE AND SHALL NOT VARY MORE THAN 10mm FROM THE SPECIFIED PLAN LEVEL AT ANY POINT AND SHALL NOT DEVIATE FROM THE BOTTOM OF A ORARY 3m STRAIGHT EDGE LAID IN ANY DIRECTION MORE THAN 5mm

SEAL PAVEMENT

(14/10mm TWO COAT SEAL OR
30mm AC WEARING SURFACE)
100mm BASECOURSE (CBR=80)

TYPICAL PAVEMENT DESIGN

NOTE :

1. THE SUB BASE MATERIAL CAN BE DGS40 OR RECYCLED CONCRETE SATISFYING THE REQUIREMENTS OF DGS40 STANDARD PROVIDED IN THE RTA 3051 SPECIFICATION.
2. THE MINIMUM COMPACTION DRY DENSITY RATIOS ARE AS FOLLOWS (AS1289 5.4.1-1993):
-SUB-BASE 98% MODIFIED
-SUB-GRADE 100% STANDARD
3. PAVEMENT SURFACE TO BE GRADED AT 1% CROSSFALL.

STRUCTURAL STEEL

FABRICATE AND ERECT THE STRUCTURAL STEEL IN A SAFE MANNER, WITHOUT INTERFERING WITH OR DAMAGING ADJACENT STRUCTURES, USING METHODS COMPLYING WITH THE REQUIREMENTS OF AS4100 FOR MATERIALS, CONSTRUCTION, FABRICATION AND ERECTION.

ALL STEEL SHALL BE IN ACCORDANCE WITH AS 3678 AND AS 3679 GRADE 300.

THREE (3) COPIES OF WORKSHOP FABRICATION DRAWINGS SHALL BE SUBMITTED TO THE SUPERINTENDENT FOR REVIEW AT LEAST 7 DAYS PRIOR TO COMMENCEMENT OF FABRICATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DIMENSIONS AND DETAILS SHOWN ON THE SHOP DRAWINGS.

UNLESS NOTED OTHERWISE OR SPECIFIED, STEELWORK PERMANENTLY EXPOSED IN THE WORKS SHALL BE HOT DIPPED GALVANISED AFTER FABRICATION IN ACCORDANCE WITH AS 4680.

BOLT TYPE	COMMENTS
4.6/5	COMMERCIAL BOLTS OF GRADE 4.6 TO AS 1111 – SNUG TIGHTENED.
8.8/5	HIGH STRENGTH STRUCTURAL BOLTS OF GRADE 8.8 TO AS 1252 SNUG TIGHTENED.

UNLESS NOTED OTHERWISE, ALL BOLTS SHALL BE GRADE 8.8/S. ALL BOLTS AND WASHERS SHALL BE GALVANISED.

APPLY DENSO MASTIC, OR APPROVED EQUIVALENT TO ALL ENDS OF NUTS, BOLTS AND WASHERS EXPOSED TO TIDAL WATER.




UNLESS NOTED OTHERWISE, ALL FILLET WELDS SHALL BE 6mm CONTINUOUS TYPE SP USING E48XX ELECTRODES.

UNLESS NOTED OTHERWISE, BUTT WELDS SHALL BE COMPLETE PENETRATION BUTT WELDS TYPE SP TO AS 1554.

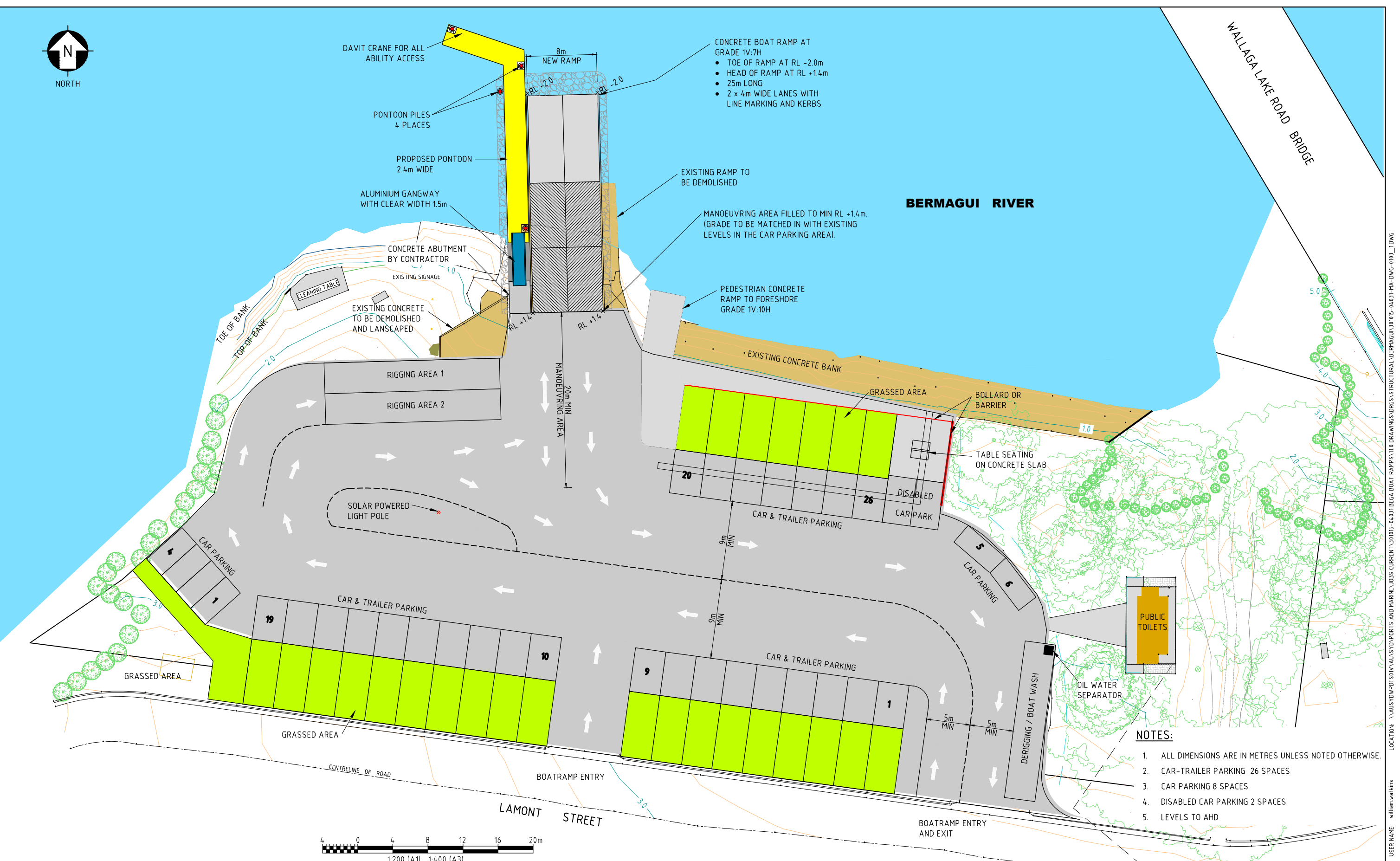
ALL STEELWORK SHALL BE SECURELY TEMPORARILY BRACED AS NECESSARY TO STABILISE IN ACCORDANCE WITH THE SPECIFICATION.

SITE WELDING OR CUTTING OF STRUCTURAL STEELWORK UNLESS SPECIFICALLY REQUIRED BY THE DRAWINGS SHALL ONLY BE CARRIED OUT WITH THE PRIOR WRITTEN APPROVAL OF THE SUPERINTENDENT.

THE CONTRACTOR SHALL PROVIDE ALL CLEATS AND DRILL ALL HOLES NECESSARY FOR FIXING STEEL TO STEEL AND TIMBER AND OTHER ELEMENTS TO STEEL WHETHER OR NOT DETAILED IN THE DRAWINGS.

										A1 SHEET	SCALE	ENGINEERING AND PERMIT STAMPS (As Required)				CUSTOMER					
										 empowered enabled ethical Copyright © WorleyParsons Services Pty Ltd ABN 61 001 279 812		<div style="border: 2px solid red; padding: 5px; text-align: center;">APPROVED FOR CONSTRUCTION</div>				 bega valley shire council			 BERMAGUI – LAMONT STREET BOAT RAMP AND PONTOON GENERAL NOTES SHEET 2		
										ADVISIAN PROJECT No.										*This drawing is prepared solely for the use of the contractual customer of Advisian and Advisian assumes no liability to any other party for any representations contained in this drawing.*	
0	31.08.20	ISSUED FOR CONSTRUCTION			BW	CA	CA	GW	CA						DRG No	301015-04031-MA-DWG-0102		REV	0		
REV	DATE	REVISION DESCRIPTION			DRAWN	DRAFT CHK	DESIGNED	ENG CHK	APPROVED	CUSTOMER	REF DRAWING No	REFERENCE DRAWING TITLE							301015-04031		

USER NAME: william.watkins
 LOCATION: \\AUS1DWP0501V\AUS\VD\PORTS AND MARINE\JOBS CURRENT\301015-04031-MA-DWG-0102-0102_0.DWG
 PLOT DATE & TIME: 31/08/2020 3:47:39 PM
 SAVE DATE & TIME: 31/08/2020 11:42:47 AM
 ADVISIAN_AT_C



CONCRETE BOAT RAMP AT GRADE 1V:7H

- TOE OF RAMP AT RL -2.0m
- HEAD OF RAMP AT RL +1.4m
- 25m LONG
- 2 x 4m WIDE LANES WITH LINE MARKING AND KERBS

DAVIT CRANE FOR ALL ABILITY ACCESS

PONTOON PILES 4 PLACES

PROPOSED PONTOON 2.4m WIDE

ALUMINIUM GANGWAY WITH CLEAR WIDTH 1.5m

CONCRETE ABUTMENT BY CONTRACTOR

EXISTING SIGNAGE

EXISTING CONCRETE TO BE DEMOLISHED AND LANSCAPED

EXISTING RAMP TO BE DEMOLISHED

MANOEUVRING AREA FILLED TO MIN RL +1.4m. (GRADE TO BE MATCHED IN WITH EXISTING LEVELS IN THE CAR PARKING AREA).

PEDESTRIAN CONCRETE RAMP TO FORESHORE GRADE 1V:10H

BERMAGUI RIVER

WALLAGA LAKE ROAD BRIDGE

RIGGING AREA 1

RIGGING AREA 2

SOLAR POWERED LIGHT POLE

CAR PARKING

GRASSED AREA

GRASSED AREA

CENTRELINE OF ROAD

LAMONT STREET

BOATRAMP ENTRY

BOATRAMP ENTRY AND EXIT

DERIGGING / BOAT WASH

OIL WATER SEPARATOR

PUBLIC TOILETS

TABLE SEATING ON CONCRETE SLAB

BOLLARD OR BARRIER

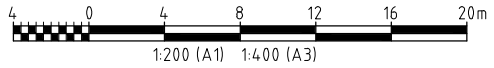
CAR & TRAILER PARKING

CAR & TRAILER PARKING

CAR & TRAILER PARKING

NOTES:

1. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
2. CAR-TRAILER PARKING 26 SPACES
3. CAR PARKING 8 SPACES
4. DISABLED CAR PARKING 2 SPACES
5. LEVELS TO AHD



REV	DATE	REVISION DESCRIPTION	DRAWN	DRAFT CHK	DESIGNED	ENG CHK	APPROVED	CUSTOMER	REF DRAWING No	REFERENCE DRAWING TITLE
1	07.09.20	REISSUED FOR CONSTRUCTION	BW	CA	CA	GW	CA			
0	31.08.20	ISSUED FOR CONSTRUCTION	BW	CA	CA	GW	CA			

A1 SHEET SCALE

Copyright ©
WorleyParsons Services Pty Ltd
ABN 61 001 279 812

ADVISIAN PROJECT No.
301015-04031

ENGINEERING AND PERMIT STAMPS (As Required)

APPROVED FOR CONSTRUCTION

CUSTOMER

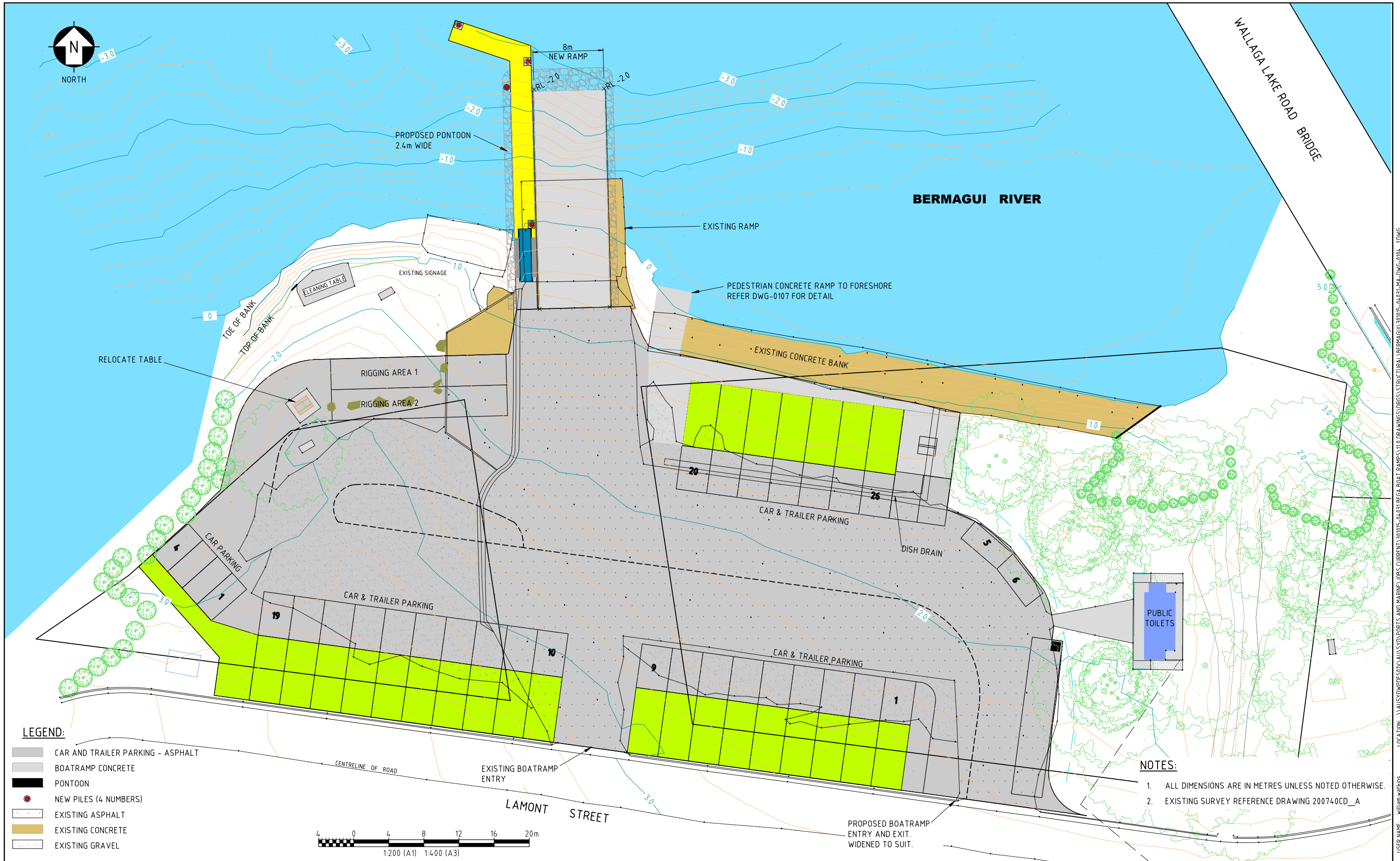
This drawing is prepared solely for the use of the contractual customer of Advisian and Advisian assumes no liability to any other party for any representations contained in this drawing.

Advisian

BERMAGUI - LAMONT STREET BOAT RAMP AND PONTOON GENERAL ARRANGEMENT PLAN

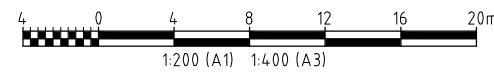
DRG No **301015-04031-MA-DWG-0103** REV **1**

LOCATION: \\AUSVDWPF03\YVAU\SYD\PORTS AND MARINE\JOBS CURRENT\301015-04031 BEGA BOAT RAMP\SYD DRAWINGS\DRGS\STRUCTURAL\BERMAGUI\301015-04031-MA-DWG-0103_1.DWG
 USER NAME: william.walsh
 PLOT DATE & TIME: 7/9/2020 9:17:37 AM
 SAVE DATE & TIME: 4/9/2020 11:55:00 AM



LEGEND:

- CAR AND TRAILER PARKING - ASPHALT
- BOATRAMP CONCRETE
- PONTOON
- NEW PILES (4 NUMBERS)
- EXISTING ASPHALT
- EXISTING CONCRETE
- EXISTING GRAVEL



NOTES:

1. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
2. EXISTING SURVEY REFERENCE DRAWING 200740CD_A

REV	DATE	REVISION DESCRIPTION	DRAWN	DRAFT CHK	DESIGNED	ENG CHK	APPROVED	CUSTOMER	REF DRAWING No	REFERENCE DRAWING TITLE
1	09.09.20	REISSUED FOR CONSTRUCTION	BW	CA	CA	GW	CA			
0	31.08.20	ISSUED FOR CONSTRUCTION	BW	CA	CA	GW	CA			

A1 SHEET SCALE

Copyright ©
WorleyParsons Services Pty Ltd
ABN 61 001 279 812

ADVISIAN PROJECT No.
301015-04031

ENGINEERING AND PERMIT STAMPS (As Required)

APPROVED FOR CONSTRUCTION

CUSTOMER

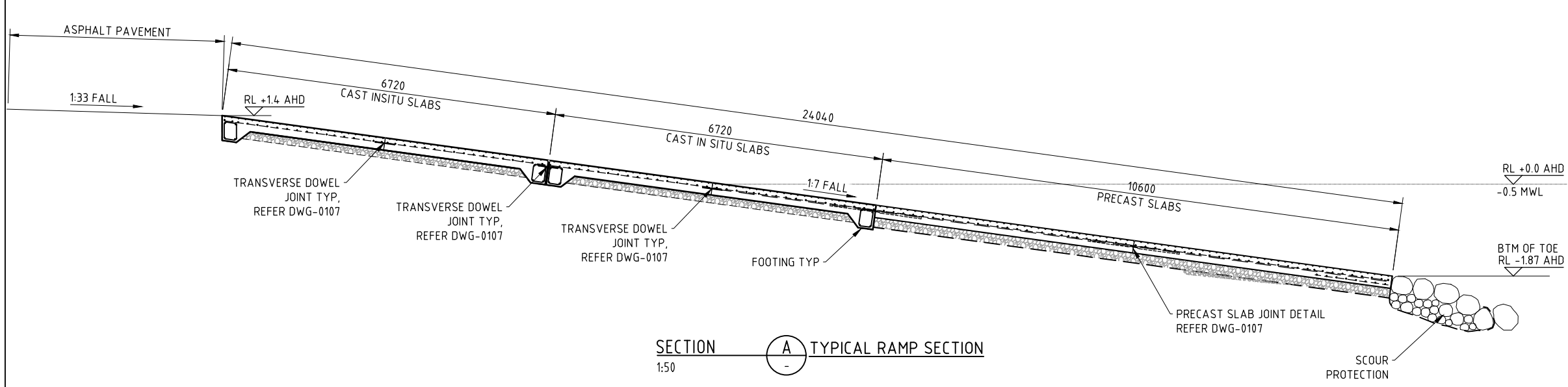
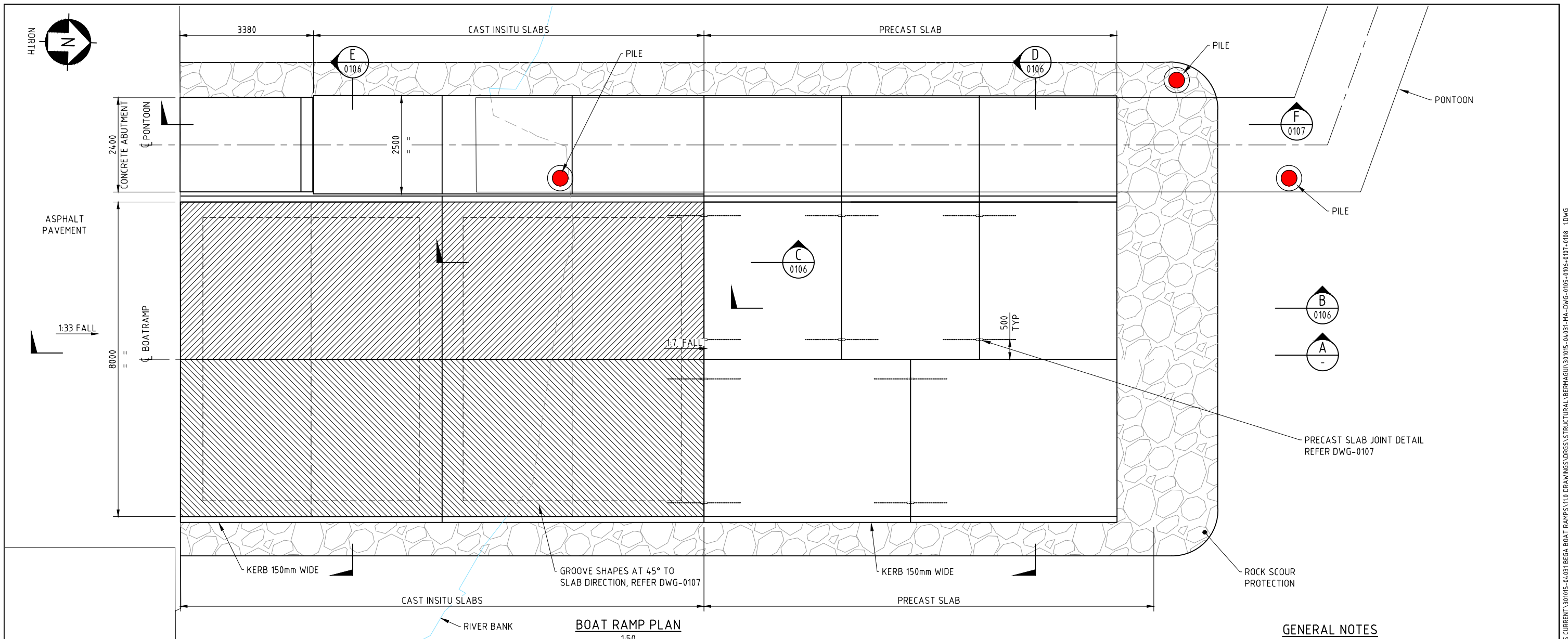
This drawing is prepared solely for the use of the contractual customer of Advisian and Advisian assumes no liability to any other party for any representations contained in this drawing.

Advisian

**BERMAGUI - LAMONT STREET
BOAT RAMP AND PONTOON
EXISTING PARKING
AND PROPOSED LAYOUT**

DRG No **301015-04031-MA-DWG-0104** REV **1**

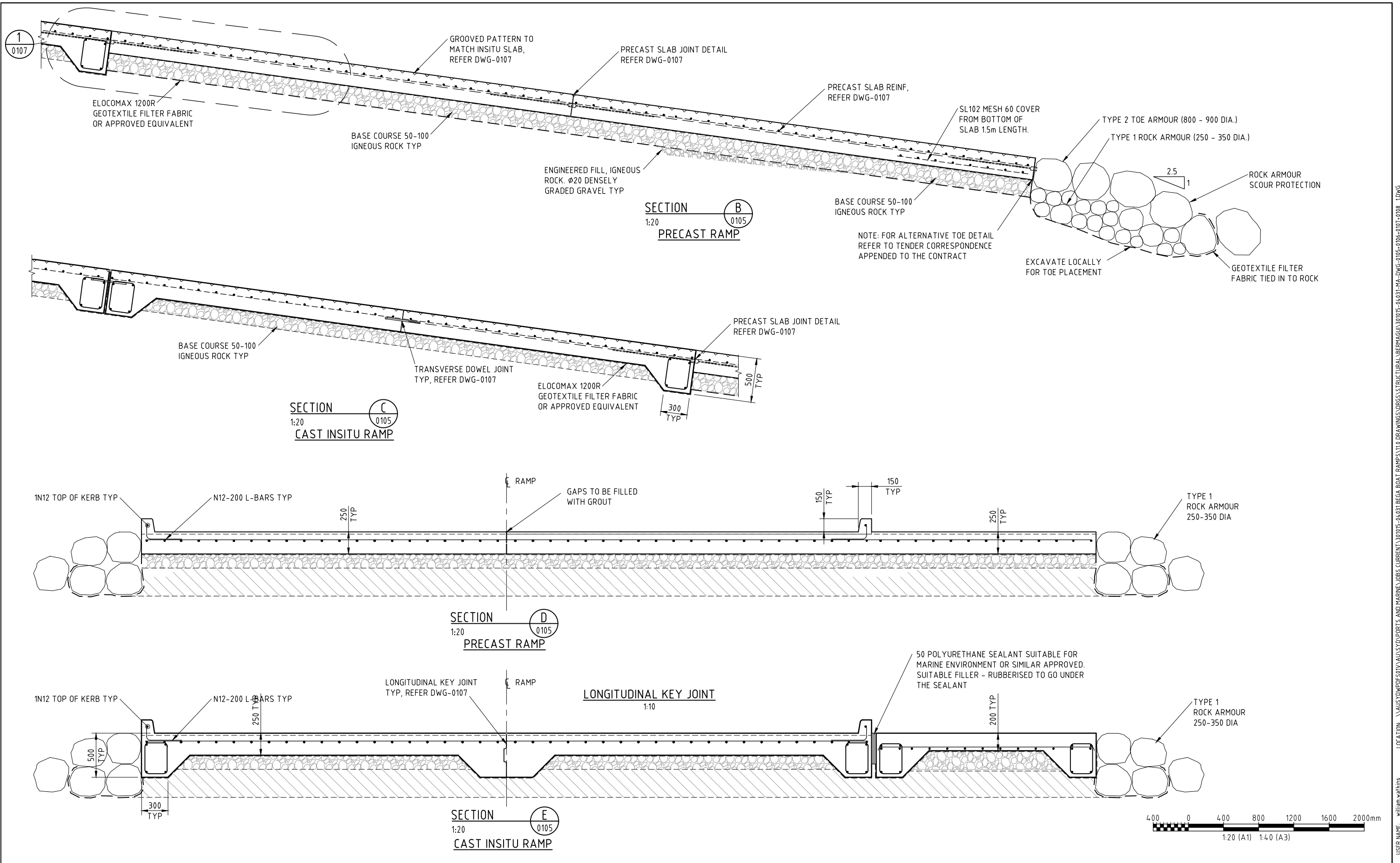
LOCATION: \\AUS\DWPF05\VAUV\VD\DRS\T AND MARINE\JOBS CURRENT\301015-04031 BEGA BOAT RAMP\110 DRAWINGS\DRGS\STRUCTURAL\BERMAGUI\301015-04031-MA-DWG-0104_1.DWG
 USER NAME: william.walsh
 PLOT DATE & TIME: 7/9/2020 9:14:58 AM
 SAVE DATE & TIME: 4/9/2020 11:53:14 AM
 ADVISIAN_A1_C



- GENERAL NOTES**
1. ALL LEVELS IN METRES REDUCED TO AUSTRALIAN HEIGHT DATUM (AHD) WHICH IS 0.925m ABOVE CHART DATUM.
 2. ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE
 3. SURVEY SOURCE; TBA
 4. LENGTH OF THE INDIVIDUAL PONTON UNITS SHOWN ARE INDICATIVE.
 5. PROPOSED PILE LOCATIONS ARE INDICATIVE. CONTRACTOR TO FINALISE PILE LOCATION AND SIZE BASED ON DESIGN REQUIREMENT.
 6. CONTRACTOR TO CONFIRM THE LENGTH AS PER THE DESIGN.
 7. REFER TO GENERAL NOTES FOR MINIMUM REQUIREMENTS FOR MATERIALS AND WORKMANSHIP ETC.
 8. DESIGN INTENT ON DRAWINGS TO BE CARRIED OUT. IMMEDIATELY REFER ANY AMBIGUITIES TO PRINCIPAL.
- Scale: 1:50 (A1) 1:100 (A3)

							A1 SHEET SCALE		ENGINEERING AND PERMIT STAMPS (As Required)			CUSTOMER	
									<div style="border: 1px solid red; padding: 5px; text-align: center;">APPROVED FOR CONSTRUCTION</div>				
							Copyright © WorleyParsons Services Pty Ltd ABN 61 001 279 812					BERMAGUI - LAMONT STREET BOAT RAMP PLAN AND TYPICAL SECTION SHT 1 OF 3	
							ADVISIAN PROJECT No.		301015-04031			DRG No 301015-04031-MA-DWG-0105	
REV	DATE	REVISION DESCRIPTION	DRAWN	DRAFT CHK	DESIGNED	ENG CHK	APPROVED	CUSTOMER	REF DRAWING No	REFERENCE DRAWING TITLE	*This drawing is prepared solely for the use of the contractual customer of Advisian and Advisian assumes no liability to any other party for any representations contained in this drawing.*		
1	04.09.20	REISSUED FOR CONSTRUCTION	BW	CA	CA	GW	CA				REV	1	
0	01.09.20	ISSUED FOR CONSTRUCTION	BW	CA	CA	GW	CA						

LOCATION: \\AUSTDWP051\USV\USV\SPORTS AND MARINE\JOBS CURRENT\301015-04031 BEGA BOAT RAMP\110 DRAWINGS\DRGS\STRUCTURAL\BERMAGUI\301015-04031-MA-DWG-0105-0106-0107-0108-0109-0110.DWG
 USER NAME: william.watkins
 PLOT DATE & TIME: 4/9/2020 4:37:14 PM
 SAVE DATE & TIME: 4/9/2020 4:17:43 PM
 ADVISIAN_AT_1



REV	DATE	REVISION DESCRIPTION	DRAWN	DRAFT CHK	DESIGNED	ENG CHK	APPROVED	CUSTOMER	REF DRAWING No	REFERENCE DRAWING TITLE
1	07.09.20	REISSUED FOR CONSTRUCTION	BW	CA	CA	GW	CA			
0	01.09.20	ISSUED FOR CONSTRUCTION	BW	CA	CA	GW	CA			

A1 SHEET SCALE

Copyright ©
WorleyParsons Services Pty Ltd
ABN 61 001 279 812

ADVISIAN PROJECT No.
301015-04031

ENGINEERING AND PERMIT STAMPS (As Required)

APPROVED FOR CONSTRUCTION

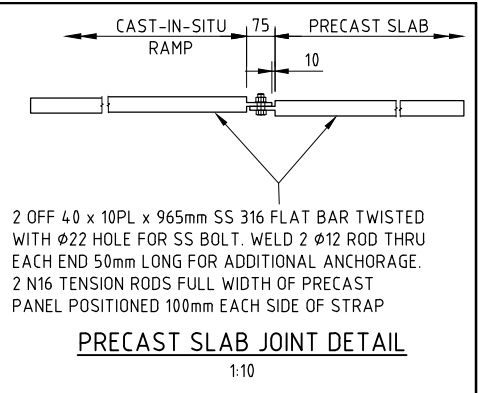
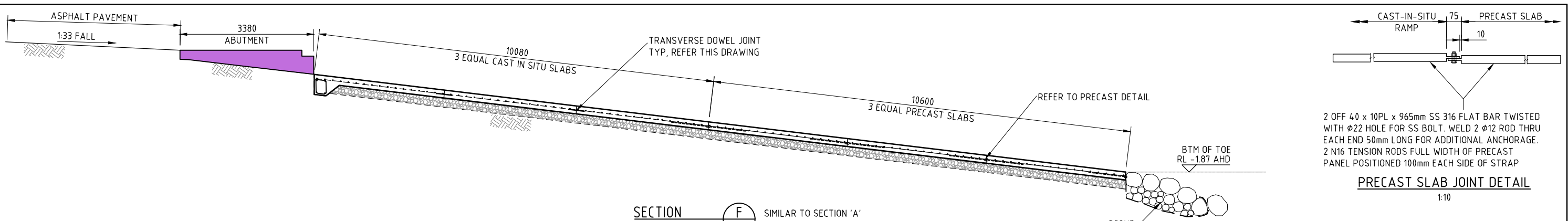
CUSTOMER

This drawing is prepared solely for the use of the contractual customer of Advisian and Advisian assumes no liability to any other party for any representations contained in this drawing.

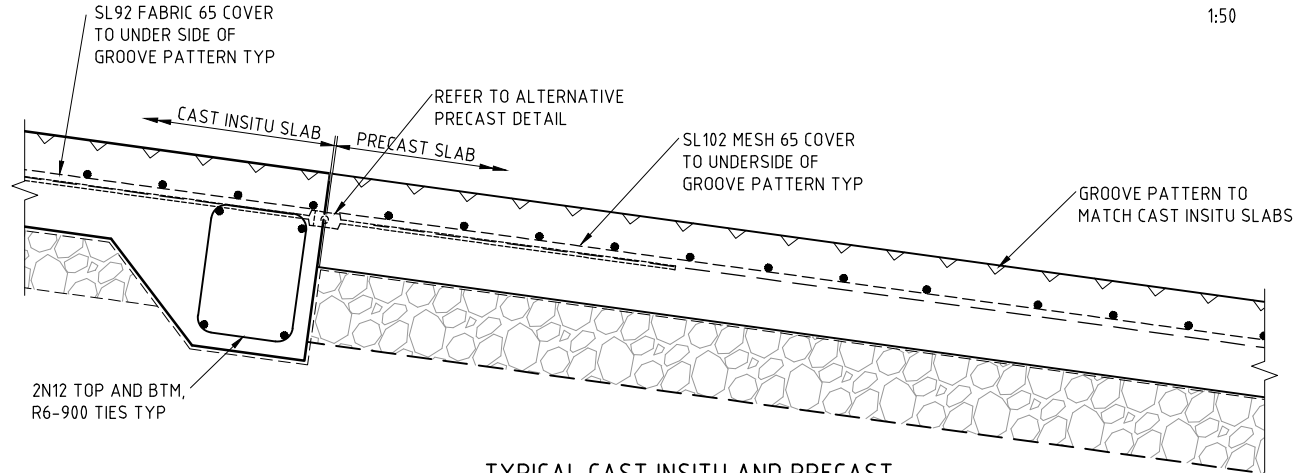
BERMAGUI - LAMONT STREET BOAT RAMP SECTIONS

DRG No **301015-04031-MA-DWG-0106** REV **1**

LOCATION: \\AUSTDWP05\SV\AUST\0\SPORTS AND MARINE\JOBS CURRENT\301015-04031 BEGA BOAT RAMP\110 DRAWINGS\DRGS\STRUCTURAL\BERMAGUI\301015-04031-MA-DWG-0106-0107-0108_1.DWG
 USER NAME: william.watkins
 PLOT DATE & TIME: 7/9/2020 3:58:49 PM
 SAVE DATE & TIME: 7/9/2020 3:49:45 PM

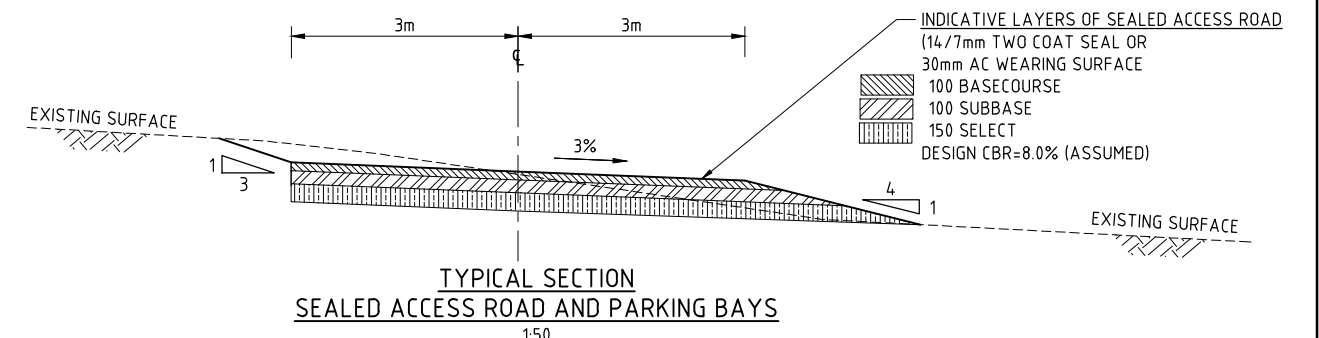


SECTION 1:50 **F** 0105 SIMILAR TO SECTION 'A' REFER DWG-0105



TYPICAL CAST INSITU AND PRECAST REINFORCEMENT DETAIL 1:10 **1** 0106

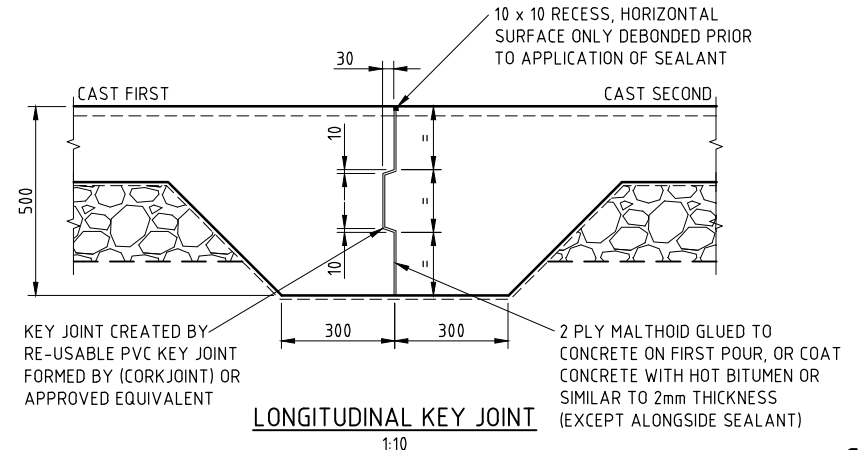
PRECAST SLAB LIFTING AND TRANSPORTATION
CONTRACTOR TO DESIGN APPROPRIATE LIFTING AND TRANSPORTATION METHODS TO ENSURE THAT THE SLABS ARE NOT OVERSTRESSED DURING LIFTING IN COMPLIANCE WITH AS3600 CONCRETE STRUCTURES



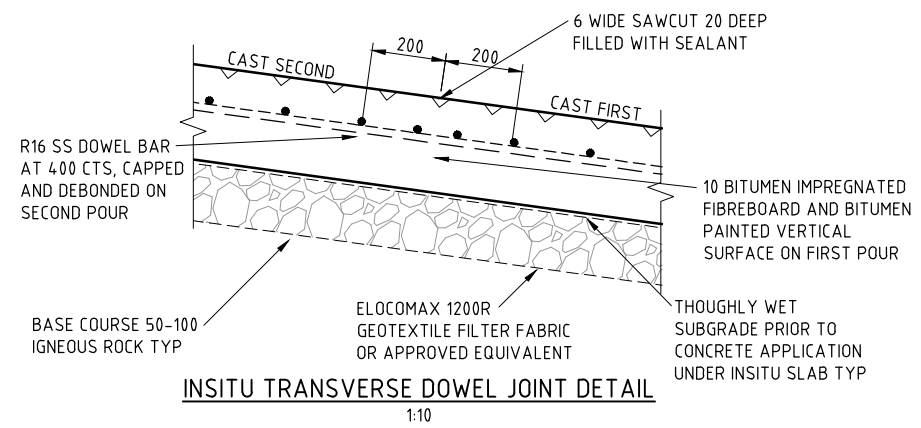
TYPICAL SECTION SEALED ACCESS ROAD AND PARKING BAYS 1:50

TYPICAL ACCESS ROAD DESIGN

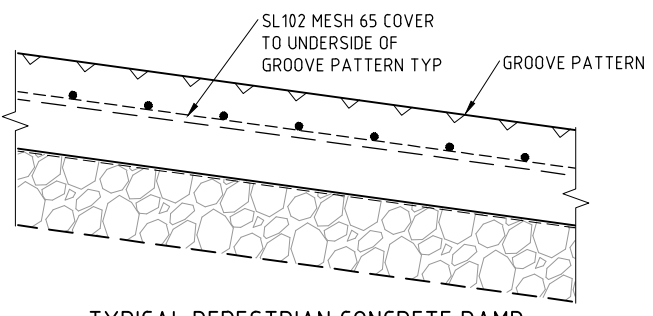
- NOTE :-
1. THE SUB BASE MATERIAL CAN BE DGS40 OR RECYCLED CONCRETE SATISFYING THE REQUIREMENTS OF DGS40 STANDARD PROVIDED IN THE RTA 3051 SPECIFICATION.
 2. THE MINIMUM COMPACTION DRY DENSITY RATIOS ARE AS FOLLOWS (AS1289 5.4.1-1993):
-SUB-BASE 98% MODIFIED
-SUB-GRADE 100% STANDARD
 3. PAVEMENT SURFACE TO BE GRADED AT 1% CROSSFALL.
 4. PAVEMENT DESIGN HAS BEEN BASED ON A TRAFFIC LOADING OF 5x10 ESA
 5. CONTRACTOR IS TO CONFIRM THE IN-SITU CBR VALUE PRIOR TO CONSTRUCTING THE ACCESS ROAD.
 6. ALL ACCESS ROAD MATERIALS SHALL COMPLY WITH RTA SPECIFICATION 3051.



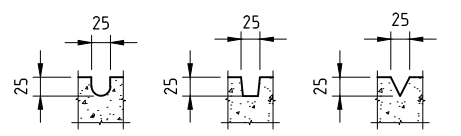
LONGITUDINAL KEY JOINT 1:10



INSITU TRANSVERSE DOWEL JOINT DETAIL 1:10



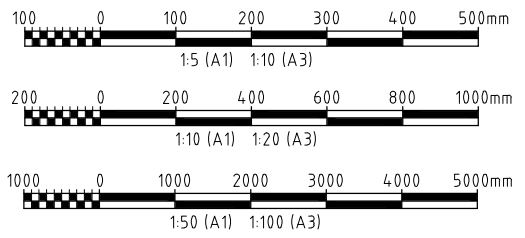
TYPICAL PEDESTRIAN CONCRETE RAMP REINFORCEMENT DETAIL



ALTERNATIVE GROOVE PATTERN 1:5
GROOVES AT 100 CTS AT 45° TO SLAB DIRECTION

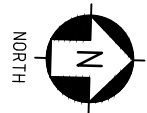
GENERAL NOTES

1. ALL REINFORCEMENT AND TIE WIRES TO BE HOT DIP GALVANISED. UNLESS NOTED OTHERWISE.
2. REPAIR DAMAGE TO GALVANISED COATING ON REINFORCEMENT WITH 2 COATS OF COLD GALVANISING PAINT.
3. STEEL REINFORCING CHAIRS ARE NOT ALLOWED.
4. DIS-SIMILAR METALS TO BE ELECTRICALLY ISOLATED BY USE OF EPOXY PAINT, INSULATION TAPE ETC.
5. ALL EXPOSED SURFACES OF NEW REINFORCED CONCRETE SHALL BE COATED WITH AQUORONPT-2000. OR APPROVED EQUIVALENT FOLLOWING COMPLETION OF WET CURING. APPLICATION TO BE STRICTLY IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
6. WASHDOWN REINFORCEMENT AND FORMS WITH POTABLE WATER, TO REMOVE CHLORIDES PRIOR TO PLACEMENT OF INSITU CONCRETE.



										AS SHEET	SCALE	AS SHOWN	ENGINEERING AND PERMIT STAMPS (As Required)			CUSTOMER			
										Copyright © WorleyParsons Services Pty Ltd ABN 61 001 279 812					BERMAGUI - LAMONT STREET BOAT RAMP DETAILS		BERMAGUI - LAMONT STREET BOAT RAMP DETAILS		
1	07.09.20	REISSUED FOR CONSTRUCTION	BW	CA	CA	GW	CA			ADVISIAN PROJECT No.	301015-04031			*This drawing is prepared solely for the use of the contractual customer of Advisian and Advisian assumes no liability to any other party for any representations contained in this drawing.*		DRG No	301015-04031-MA-DWG-0107	REV	1
0	01.09.20	ISSUED FOR CONSTRUCTION	BW	CA	CA	GW	CA			ADVISIAN PROJECT No.	301015-04031					DRG No	301015-04031-MA-DWG-0107	REV	1
REV	DATE	REVISION DESCRIPTION	DRAWN	DRAFT CHK	DESIGNED	ENG CHK	APPROVED	CUSTOMER	REF DRAWING No	REFERENCE DRAWING TITLE									

LOCATION: \\AUSTDWP05\STV\AUSTDWP05\DRAWINGS\ORG\STRUCTURAL\BERMAGUI\301015-04031-MA-DWG-0106-0107-0108_IDWG
 USER NAME: william.watkins
 PLOT DATE & TIME: 7/9/2020 5:04:4 PM
 SAVE DATE & TIME: 7/9/2020 4:02:25 PM



ASPHALT PAVEMENT

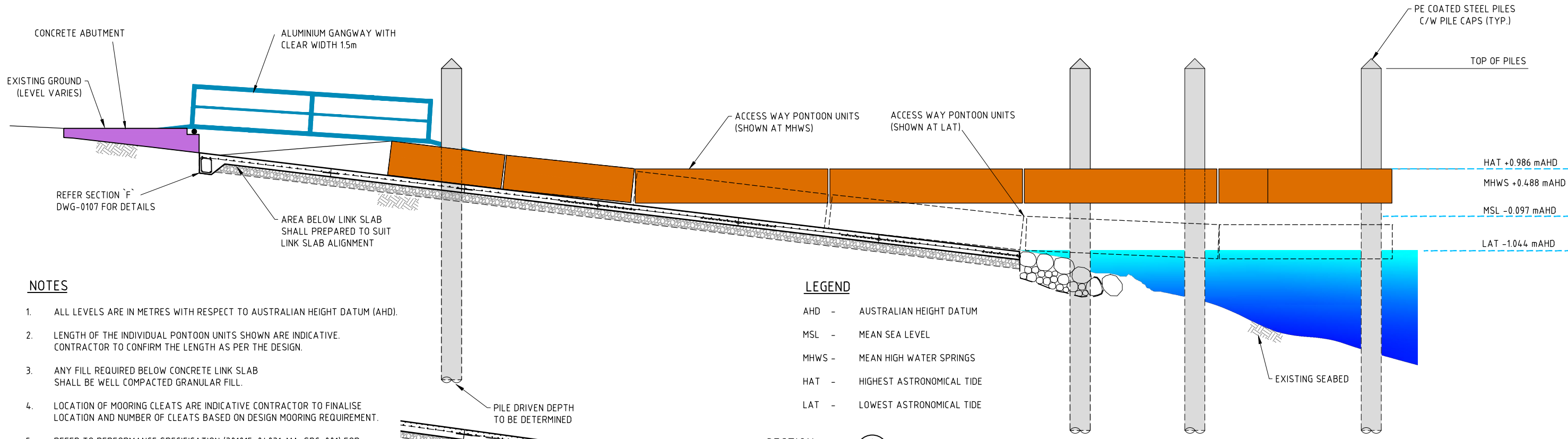
RIVER BANK

BERMAGUI RIVER

PONTOON

BOAT RAMP

BOAT RAMP PONTOON PLAN
1:50



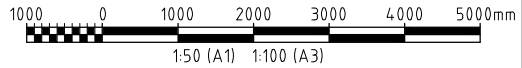
NOTES

1. ALL LEVELS ARE IN METRES WITH RESPECT TO AUSTRALIAN HEIGHT DATUM (AHD).
2. LENGTH OF THE INDIVIDUAL PONTOON UNITS SHOWN ARE INDICATIVE. CONTRACTOR TO CONFIRM THE LENGTH AS PER THE DESIGN.
3. ANY FILL REQUIRED BELOW CONCRETE LINK SLAB SHALL BE WELL COMPACTED GRANULAR FILL.
4. LOCATION OF MOORING CLEATS ARE INDICATIVE CONTRACTOR TO FINALISE LOCATION AND NUMBER OF CLEATS BASED ON DESIGN MOORING REQUIREMENT.
5. REFER TO PERFORMANCE SPECIFICATION (301015-04.031-MA-SPC-001) FOR THE DESIGN REQUIREMENT OF THE PONTOON FACILITY.

LEGEND

- AHD - AUSTRALIAN HEIGHT DATUM
- MSL - MEAN SEA LEVEL
- MHWS - MEAN HIGH WATER SPRINGS
- HAT - HIGHEST ASTRONOMICAL TIDE
- LAT - LOWEST ASTRONOMICAL TIDE

SECTION A
1:50



REV	DATE	REVISION DESCRIPTION	DRAWN	DRAFT CHK	DESIGNED	ENG CHK	APPROVED	CUSTOMER	REF DRAWING No	REFERENCE DRAWING TITLE
1	07.09.20	REISSUED FOR CONSTRUCTION	BW	CA	CA	GW	CA			
0	31.08.20	ISSUED FOR CONSTRUCTION	BW	CA	CA	GW	CA			

A1 SHEET SCALE AS SHOWN

ENGINEERING AND PERMIT STAMPS (As Required)

Copyright © WorleyParsons Services Pty Ltd
ABN 61 001 279 812

ADVISIAN PROJECT No. 301015-04031

APPROVED FOR CONSTRUCTION

CUSTOMER

This drawing is prepared solely for the use of the contractual customer of Advisian and Advisian assumes no liability to any other party for any representations contained in this drawing.

Advisian

BERMAGUI - LAMONT STREET BOAT RAMP PONTOON PLAN & SECTIONS

DRG No 301015-04031-MA-DWG-0108

REV 1

LOCATION: \\AUSTDWP05\SIV\AUST\0\SPORTS AND MARINE\JOBS CURRENT\301015-04031 BEGA BOAT RAMP\110 DRAWINGS\STRUCTURAL\BERMAGUI\301015-04031-MA-DWG-0106-0107-0108-0109-0110.DWG
 USER NAME: william.watkins
 PLOT DATE & TIME: 7/9/2020 4:00:45 PM
 SAVE DATE & TIME: 7/9/2020 3:49:45 PM