

IN WHOLE OR PART WITHOUT PERMISSION INFRINGES COPYRIGHT.

# NOTES:

#### GENERAL

- 1. ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM (AHD).
- 2. ALL WORKS TO BE ACCURATELY SETOUT BEFORE COMMENCING EXCAVATION WORK.
- 3. ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH COUNCIL GENERAL SPECIFICATION AND LATEST ADOPTED VERSION OF THE INFRASTRUCTURE DESIGN MANUAL, RELEVANT AUSTRALIAN STANDARDS AND VICROADS STANDARD SPECIFICATIONS.
- 4. TEMPORARY BENCH MARKS (TBM) TO BE RE-ESTABLISHED BY A SUITABLY QUALIFIED SURVEYOR IF FOUND TO BE MISSING AT THE COMMENCEMENT OF CONSTRUCTION. THE CONTRACTOR WILL BE RESPONSIBLE FOR CARE AND MAINTENANCE OF TBM'S THEREAFTER.

TBM CODE	EASTING	NORTHING	ELEVATION
5221	733017.047	6086213.367	67.234
5222	733015.870	6086159.488	66.751
5223	733060.778	6086100.983	68.006

- 5. ALL EXISTING SURFACE LEVELS SHOWN ON THE ENGINEERING DRAWINGS HAVE BEEN INTERPOLATED FROM A DIGITAL TERRAIN MODEL. THESE LEVELS HAVE BEEN USED AS THE BASIS FOR ALL ENGINEERING DESIGN AND DETERMINATION OF QUANTITIES AND ARE ACCURATE TO WITHIN ±0.05m.
- 6. THE CONTRACTOR IS TO CARRY OUT WORK IN A SAFE MANNER IN ACCORDANCE WITH APPLICABLE LEGISLATION, STATUTORY REGULATIONS, BY-LAWS OR RULES. CONTRACTOR IS RESPONSIBLE FOR OCCUPATIONAL HEALTH AND SAFETY OF SITE PERSONNEL AND GENERAL PUBLIC IN ACCORDANCE WITH ALL CURRENT WORK HEALTH AND SAFETY ACTS, LEGISLATIVE REQUIREMENTS, ASSOCIATED REGULATIONS AND CODES OF PRACTICE, INDUSTRIAL AGREEMENTS AND ACCEPTED INDUSTRY PRACTICE.
- 7. THE CONTRACTOR IS TO DEVELOP AND IMPLEMENT A DETAILED SAFE WORK METHOD STATEMENT OUTLINING THE CONSTRUCTION SEQUENCE AND METHODOLOGY FOR EACH WORK ACTIVITY FORMING THE PROJECT WORKS.
- 8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE STRUCTURE IN A STABLE CONDITION AND ENSURING NO PART SHALL BE OVER STRESSED DURING CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL PROVIDE A DETAILED SAFE WORK METHOD STATEMENT FOR ALL BUILDER'S WORKS NOT DETAILED ON THE DRAWINGS SUCH AS PROPPING, SHORING, TEMPORARY RETAINING, CONSTRUCTION SEQUENCING AND ERECTION PROCEDURES ETC.
- 9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING STABILITY OF EXCAVATED FACES AND TRENCHES DURING CONSTRUCTION.
- 10. WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH THE RELEVANT AS/NZ CODES INCLUDING ALL AMENDMENTS AND THE LOCAL STATUTORY AUTHORITIES, EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS.
- 11. PRIOR TO COMMENCING ANY CONSTRUCTION WORKS, THE CONTRACTOR SHALL LOCATE AND DEPTH ALL EXISTING UNDERGROUND SERVICES IN VICINITY OF WORKS. ANY DISCREPANCIES OF DEPTH OR LOCATION FROM THAT INDICATED ON THESE DRAWINGS SHALL BE REPORTED TO THE SUPERINTENDENT. REPAIRS TO DAMAGED SERVICES CAUSED BY CONSTRUCTION WORKS SHALL BE AT THE CONTRACTORS COST.
- 12. THESE DRAWINGS DO NOT DETAIL TEMPORARY WORKS. TEMPORARY WORKS ARE TO BE DESIGNED BY THE CONTRACTOR.
- 13. THE FINISHED SURFACE SHALL BE EVENLY GRADED BETWEEN DESIGN SURFACE LEVELS.
- 14. REINSTATE ALL AREAS OUTSIDE THE LIMIT OF WORKS THAT HAVE BEEN DISTURBED AS A RESULT OF THE CONSTRUCTION OF THE WORKS. REINSTATE TO EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF WORKS.
- 15. SUBMIT DETAILS OF PROPOSED CHANGES TO SCOPE, WORK METHODS OR MATERIALS, ETC. FOR APPROVAL BEFORE PROCEEDING. APPROVAL DOES NOT AUTHORISE A VARIATION TO THE CONTRACT.
- 16. OBTAIN NECESSARY PERMITS AND APPROVALS FOR RELEVANT AUTHORITIES BEFORE COMMENCING WORK ON SITE. NOTIFY RELEVANT SERVICE AUTHORITIES BEFORE COMMENCING WORK ON SITE.
- 17. GIVE TWO WORKING DAYS (48 HOURS) NOTICE AS A MINIMUM, SO THAT INSPECTION MAY BE MADE OF CRITICAL STAGES OF WORK.
- 18. INSPECTIONS AND REVIEWS UNDERTAKEN BY SUPERINTENDENT OR OTHERS DO NOT RELIEVE CONTRACTOR OF RESPONSIBILITY FOR COMPLIANCE WITH DRAWINGS AND SPECIFICATIONS.
- 19. IMPLEMENT SOIL AND WATER MANAGEMENT PROCEDURES TO AVOID EROSION. CONTAMINATION AND SEDIMENTATION OF SITE, SURROUNDING AREAS AND DRAINAGE SYSTEMS.
- 20. EXISTING TREES NOT IDENTIFIED FOR REMOVAL SHALL BE PROTECTED DURING ALL CONSTRUCTION ACTIVITIES. METHOD OF PROTECTION SHALL BE IN ACCORDANCE WITH AS4970 AND SUBMITTED TO THE SUPERINTENDENT FOR APPROVAL.
- 21. ANY IN SITU GROUND THAT IS LOOSENED, SOFTENED OR OTHERWISE DISTURBED BY THE EXCAVATION PROCESS OR BY EXPOSURE TO THE ELEMENTS SHOULD BE REMOVED AND REPLACED WITH COMPACTED STRUCTURAL FILL, OR ELSE SHOULD BE COMPACTED IN PLACE TO ACHIEVE A DENSITY NOT LESS THAN THAT OF THE SURROUNDING UNDISTURBED GROUND.

#### EARTHWORKS

- 22. WHERE SHOWN ON THE DRAWINGS, THE DEPTH OF EXCAVATION SHALL ALLOW FOR FOUNDATION PREPARATION CONCRETE.
- 23. EXCAVATION REQUIRED FOR THE PLACEMENT OF THE STRUCTURES SHALL INCLUDE THE REMOVAL OF ALL MATERIAL TO THE LENGTHS AND WIDTHS NECESSARY TO PERMIT THE ERECTION AND REMOVAL OF FORMWORK FOR FOOTINGS AND SUB STRUCTURES.
- 24. ALL SOFT/DISTURBED SOILS TO BE REMOVED TO FIRM NATURAL GROUND.
- 25. ALL FILL MATERIALS ARE SUBJECT TO SUPERINTENDENT APPROVAL PRIOR TO USE, AND SHALL NOMINALLY BE A CLEAN GRANULAR SOIL.
- 26. THE METHOD OF EXCAVATION, TRANSPORTATION, DEPOSITING AND SPREADING OF THE FILL SHALL BE DETERMINED BY THE CONTRACTOR TO ENSURE THE FILL IS PLACED IN A UNIFORM MIXTURE.
- 27. ALL SERVICE TRENCHES & SITE EXCAVATIONS TO BE BACKFILLED & TESTED.
- 28. BACKFILL SHALL NOT BE PLACED AGAINST ABUTMENTS, PIERS OR RETAINING WALLS UNTIL ALL CAST IN PLACE CONCRETE HAS REACHED THE 28 DAY CHARACTERISTIC COMPRESSIVE STRENGTH AND IS AT LEAST 14 DAYS OLD. VIBRATING MACHINERY SHALL NOT BE USED WITHIN 6m OF RETAINING WALLS.
- 29. ALL EARTHWORKS ARE TO BE UNDERTAKEN IN ACCORDANCE WITH THE TECHNICAL AND CONTROL REQUIREMENTS OUTLINED IN AS 3798 - 'GUIDELINES ON EARTHWORKS FOR COMMERCIAL AND RESIDENTIAL DEVELOPMENT. ALL WORKMANSHIP AND MATERIAL SHALL BE IN ACCORDANCE WITH AS3600 CONCRETE STRUCTURES.

	SCALE:	B.M. No.: B.M	M.EI.:	
		DATUM: MGA 54 GDA 202	20	IDEAS INTO ACTION
		SURVEYED: PA JS	FEB '24	I E PLA NREGHLE
		DESIGNED: JJ	APR '24	Civil Engineers, Irrigation Designers, Licensed Survey
	DOCUMENT PURPOSE:	DRAWN: JJ	APR '24	139 Hogan Street, TATURA Ph. 03 58241
	□ PRELIMINARY ONLY □ CONSTRUCTION ☑ APPROVAL □ AS CONSTRUCTED	CHECKED: YH	MAY '24	24B Sydney Street, KILMORE Ph. 03 57822 21 Nish Street, ECHUCA Ph. 03 54821
ION	FOR TENDER ONLY OTHER	ORIGINAL SHEET SIZE : A1		Email:results@planright.com

### <u>CONCRETE</u>

30. ALL WORKMANSHIP AND MATERIAL SHALL BE IN ACCORDANCE WITH AS3600. 31. ALL CONCRETE TO BE READY MIXED SUPPLIED IN ACCORDANCE WITH AS1379 BY THE BATCH PRODUCTION PROCESS. READY MIXED CONCRETE SHALL BE DELIVERED IN AGITATING TRUCKS. 32. ALL FOOTINGS ON GROUND SHALL HAVE A DAMP PROOF MEMBRANE TO AS2870 UNLESS NOTED OTHERWISE. 33. ALL REINFORCEMENT FOR ONE POUR SHALL BE ENTIRELY TIED AND PLACED TO COMPLETION BEFORE AN INSPECTION BY THE ENGINEER, BUILDING SURVEYOR OR ARCHITECT. 34. ALL CONCRETE STEEL REINFORCEMENT GARDE IS 500MPa UNO.

BEACHING

 OVERLAPPING OF ANY JOINS BY AT LEAST 300mm. • EXTENDING THE GEOFABRIC AROUND ALL FACES OF THE TOE TRENCH INCLUDING THE TOE TRENCH RUNNING UP THE BANK AT EACH END OF THE RETAINING WALL STRUCTURE. • EXTENDING THE GEOFABRIC AROUND THE UPSTREAM AND DOWNSTREAM ENDS OF THE RETAINING WALL STRUCTURE BETWEEN THE ENDS OF THE RETAINING WALL AND THE TOE TRENCH. • LEAVING SUFFICIENT GEOFABRIC EXPOSED AT THE UPPER EDGE ALONG THE LINE OF THE LOWER RETAINING WALL AND AT THE ENDS OF THE RETAINING WALLS TO EXTEND AT LEAST 500mm UP ITS INSIDE FACE OF THOSE WALLS. • LAPPING THE GEOFABRIC OVER OR UNDER THE GEOFABRIC PLACED AROUND THE BOAT RAMP BY AT LEAST 300mm.

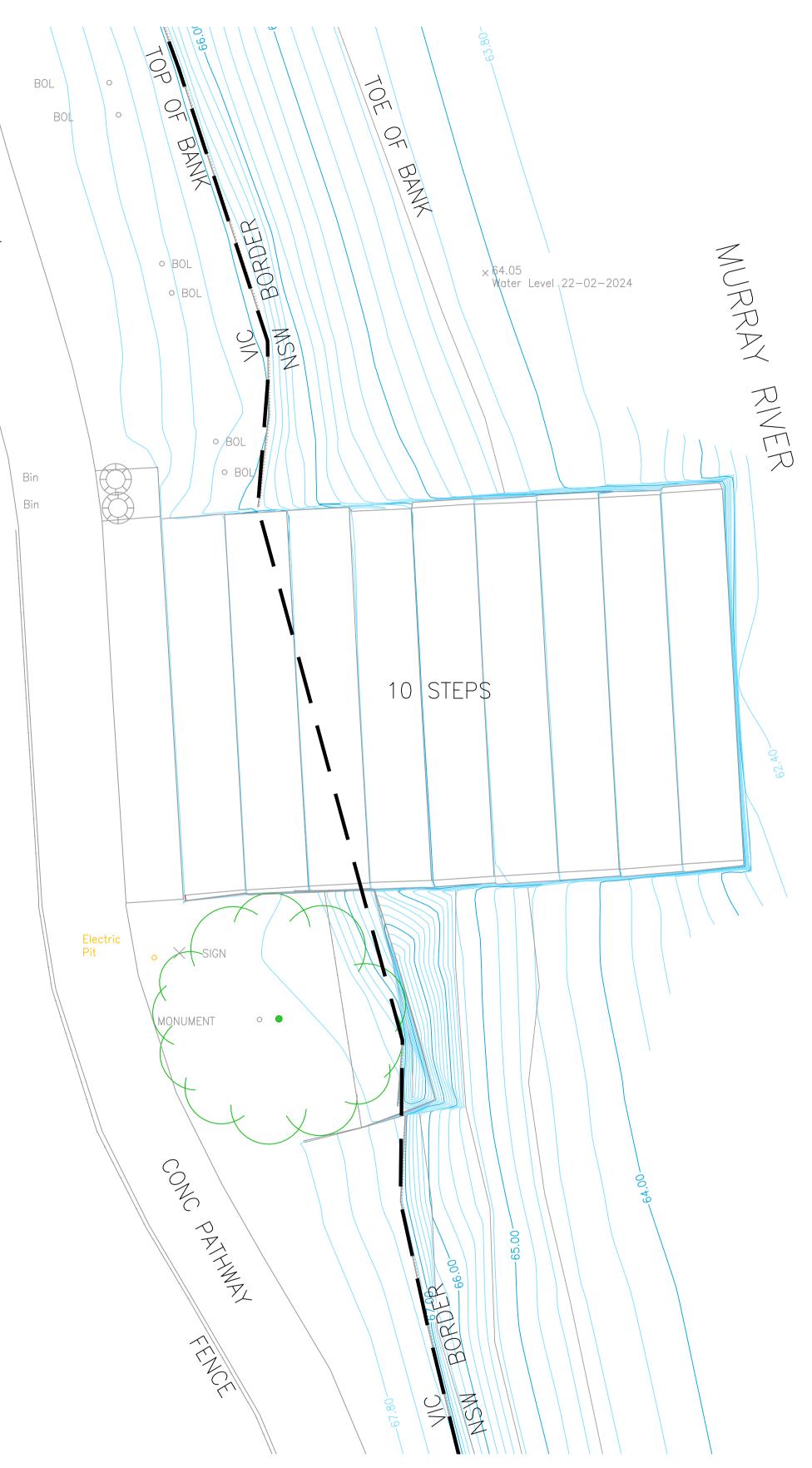
35. ALL WORKMANSHIP AND MATERIAL SHALL BE IN ACCORDANCE WITH VICROADS STANDARD SPECIFICATION 713 - BEACHING. 36. SUPPLY AND INSTALL THE GEOFABRIC AS SPECIFIED OF AT LEAST 250g/m2 AND STRENGTH RATING G OF AT LEAST 2500 (BIDIM A34 OR EQUIVALENT) OVER THE PREPARED SURFACE AND UNDERNEATH THE ROCK BEACHING ENSURING: 37. BEACHING TO BE MINIMUM 300mm THICK IN ACCORDANCE WITH THE VICROADS STANDARD SPECIFICATIONS SECTION 713 WITH TYPE 1 BEACHING. MINIMUM DEPTH 300mm AND EXTEND MINIMUM 1m. INDIVIDUAL ROCKS TO HAVE A MASS OF BETWEEN 20kg AND 70kg.

TIMBER WORKS

38. RED GUM PLANS TO BE F7 GRADE AS PER STRUCTURAL ENGINEERING DRAWINGS WHICH ARE TO BE STRAIGHT GRAINED AND FREE OF HEART ROT, EXCESSIVE GUM VEINS AND HOLES.

veyors. 41322	10 STEPS MURRAY RIVER SWAN HILL		SHEET 1 OF 6	DRAWING No. $24051 / 1$
22238 21699	Locality & Notes			
om.au	CAD: 24051 Murray River 10 Steps	PLOTTED:		

		CONC PATHWAY
DISCLAIMER Notwithstanding any description contained in the Plans or Specification the Contractor shall be responsible for satisfying himself as to the nature and extent of the specified works and the physical and legal conditions under which the works will be carried out, including means of access, extent of clearing, nature of material to be excavated, type and size of mechanical plant required and any like matters effecting the construction of the works. ©INFORMATION CONTAINED ON THIS DRAWING IS THE COPYRIGHT OF PLANRIGHT AUSTRALASIA Pty. Ltd. COPYING OR USING THIS DRAWING IN WHOLE OR PART WITHOUT PERMISSION INFRINGES COPYRIGHT.	WARNING BEWARE OF ALL SERVICES The location of all services, where sho are approximate only. All authorities m be contacted prior to construction to determine the exact location and cleared requirements of all services.	o J E C C C C C C C C C C C C C C C C C C

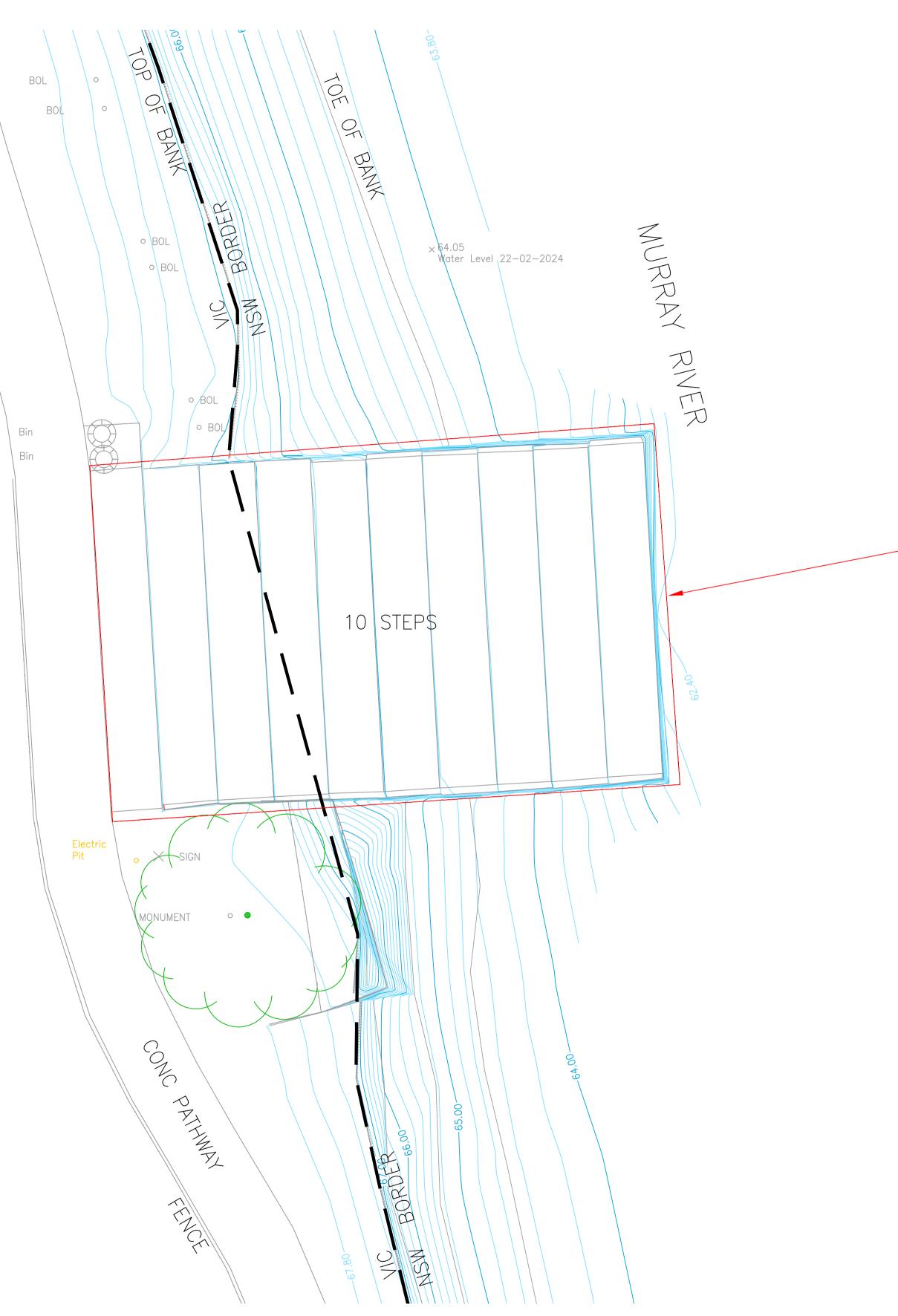


	SCALE:	B.M. No.: B.I	M.EI.:	
	HOR: 1:150 (A1) 1:300 (A3) 0m 1.5 3 6 9 12	DATUM: MGA 54 GDA 202	20	
		SURVEYED: PA JS	FEB '24	
	Om VER: N/A	DESIGNED: JJ	APR '24	Civil Engineers, Irrigation Designers, Licensed Survey
	DOCUMENT PURPOSE:	DRAWN: JJ	APR '24	139 Hogan Street, TATURA Ph. 03 58241
	□ PRELIMINARY ONLY □ CONSTRUCTION □ APPROVAL □ AS CONSTRUCTED	CHECKED: YH	MAY '24	24B Sydney Street, KILMORE Ph. 03 578222 21 Nish Street, ECHUCA Ph. 03 548210
ON	FOR TENDER ONLY OTHER	ORIGINAL SHEET SIZE : A1		Email:results@planright.com

eyors.	10 STEPS MURRAY RIVER SWAN HILL		SHEET 2 OF 6	DRAWING No. $24051$ $/2$ release 04
2238	Existing Conditions			
m.au	CAD: 24051 Murray River 10 Steps	PLOTTED:		

	LEGEND
×6 <sup>5,0</sup> 0	
×GJ	EXISTING SURFACE LEVEL
	EXISTING STOP VALVE
xx	EXISTING FIRE PLUG
	EXISTING DRAINAGE PIPE
	EXISTING DRAINAGE PIT
<del>1+1+1+1+1+1+1+1+1+1+1+1+1+1+1+1+1+1+1+</del>	EXISTING TOP OF BANK
	EXISTING TOE OF BANK
	EXISTING FEATURE
65.00	SURFACE LEVEL CONTOUR
$\bigcirc$	EXISTING TREE
	VEGETATION AREA
△ 66.75 TBM SPK	ТВМ
· LIGHT	EXISTING LIGHT
• Electric Pit	EXISTING ELEC PIT
/	EXISTING FENCE

		CONC PATHWAY
DISCLAIMER Notwithstanding any description contained in the Plans or Specification the Contractor shall be responsible for satisfying himself as to the nature and extent of the specified works and the physical and legal conditions under which the works will be carried out, including means of access, extent of clearing, nature of material to be excavated, type and size of mechanical plant required and any like matters effecting the construction of the works. ©INFORMATION CONTAINED ON THIS DRAWING IS THE COPYRIGHT OF PLANRIGHT AUSTRALASIA Pty. Ltd. COPYING OR USING THIS DRAWING IN WHOLE OR PART WITHOUT PERMISSION INFRINGES COPYRIGHT.	WARNING BEWARE OF ALL SERVICES The location of all services, where sho are approximate only. All authorities m be contacted prior to construction to determine the exact location and cleared requirements of all services.	o J E C C C C C C C C C C C C C C C C C C

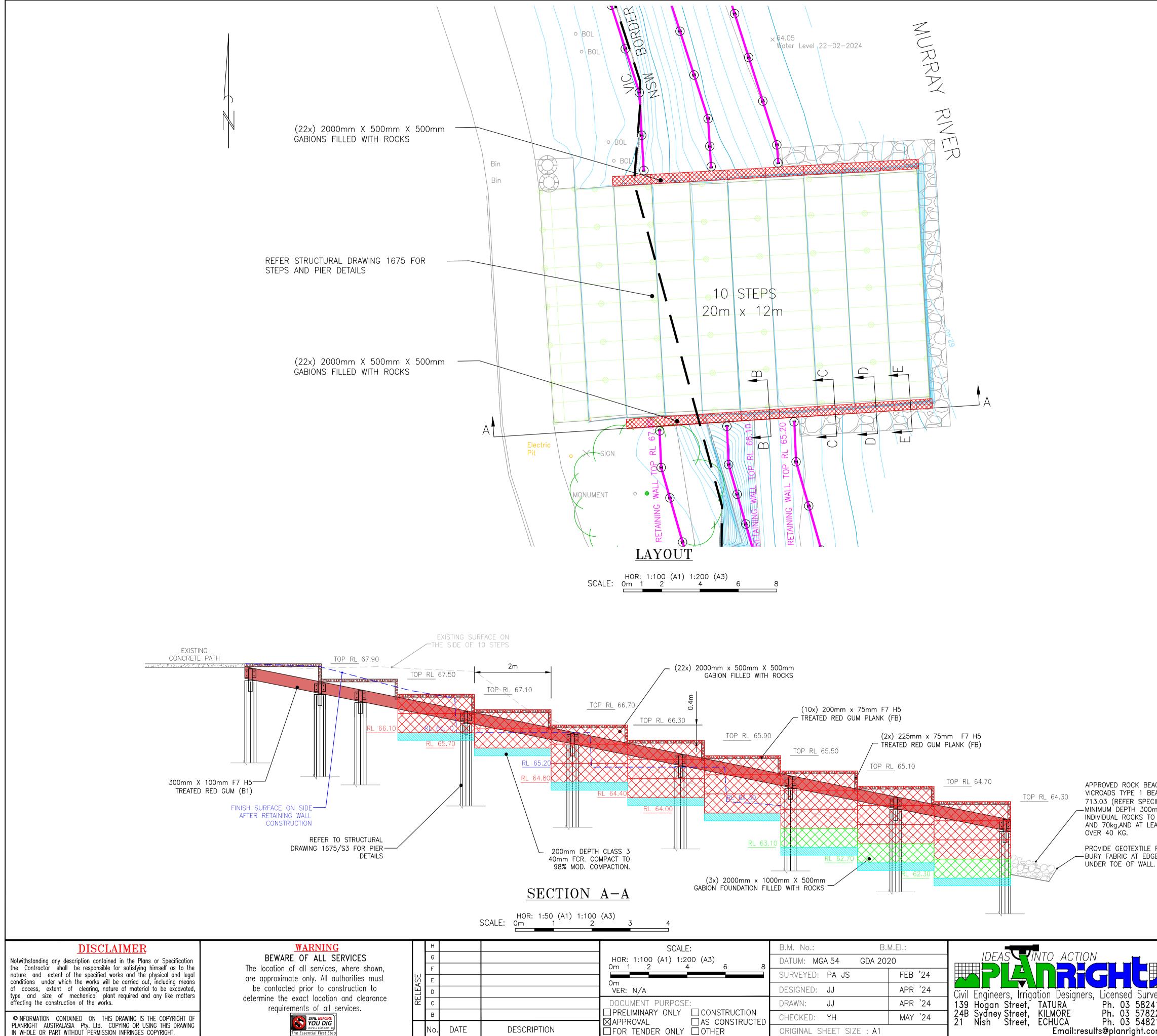


	SCALE:	B.M. No.: B.	M.El.:	
	HOR: 1:150 (A1) 1:300 (A3) 0m 1.5 3 6 9 12	DATUM: MGA 54 GDA 20	20	
		SURVEYED: PA JS	FEB '24	
	Om VER: N/A	DESIGNED: JJ	APR '24	Civil Engineers, Irrigation Designers, Licensed Survey
	DOCUMENT PURPOSE:	DRAWN: JJ	APR '24	139 Hogan Street, TATURA Ph. 03 582413
	□ PRELIMINARY ONLY □ CONSTRUCTION ☑ APPROVAL □ AS CONSTRUCTED	CHECKED: YH	MAY '24	24B Sydney Street, KILMORE Ph. 03 578222 21 Nish Street, ECHUCA Ph. 03 548210
ON	FOR TENDER ONLY OTHER	ORIGINAL SHEET SIZE : A1		Email:results@planright.com

LEGEND							
×6 <sup>5.00</sup>	$\tilde{o}_{0}$						
×°°	EXISTING SURFACE LEVEL						
	EXISTING STOP VALVE						
.xx	EXISTING FIRE PLUG						
	EXISTING DRAINAGE PIPE						
	EXISTING DRAINAGE PIT						
<u>4,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1</u>	EXISTING TOP OF BANK						
	EXISTING TOE OF BANK						
	EXISTING FEATURE						
65.00	SURFACE LEVEL CONTOUR						
$\bigcirc$	EXISTING TREE						
	VEGETATION AREA						
☆ 66.75 TBM SPK	ТВМ						
· LIGHT	EXISTING LIGHT						
• Electric Pit	EXISTING ELEC PIT						
/	EXISTING FENCE						

## - EXISTING TEN STEPS TO BE DEMOLISHED

/eyors. 41322	10 STEPS MURRAY RIVER SWAN HILL		SHEET 3 OF 6	DRAWING No. $24051/3$
22238	Demolition Plan			
om.au	CAD: 24051 Murray River 10 Steps	PLOTTED:		

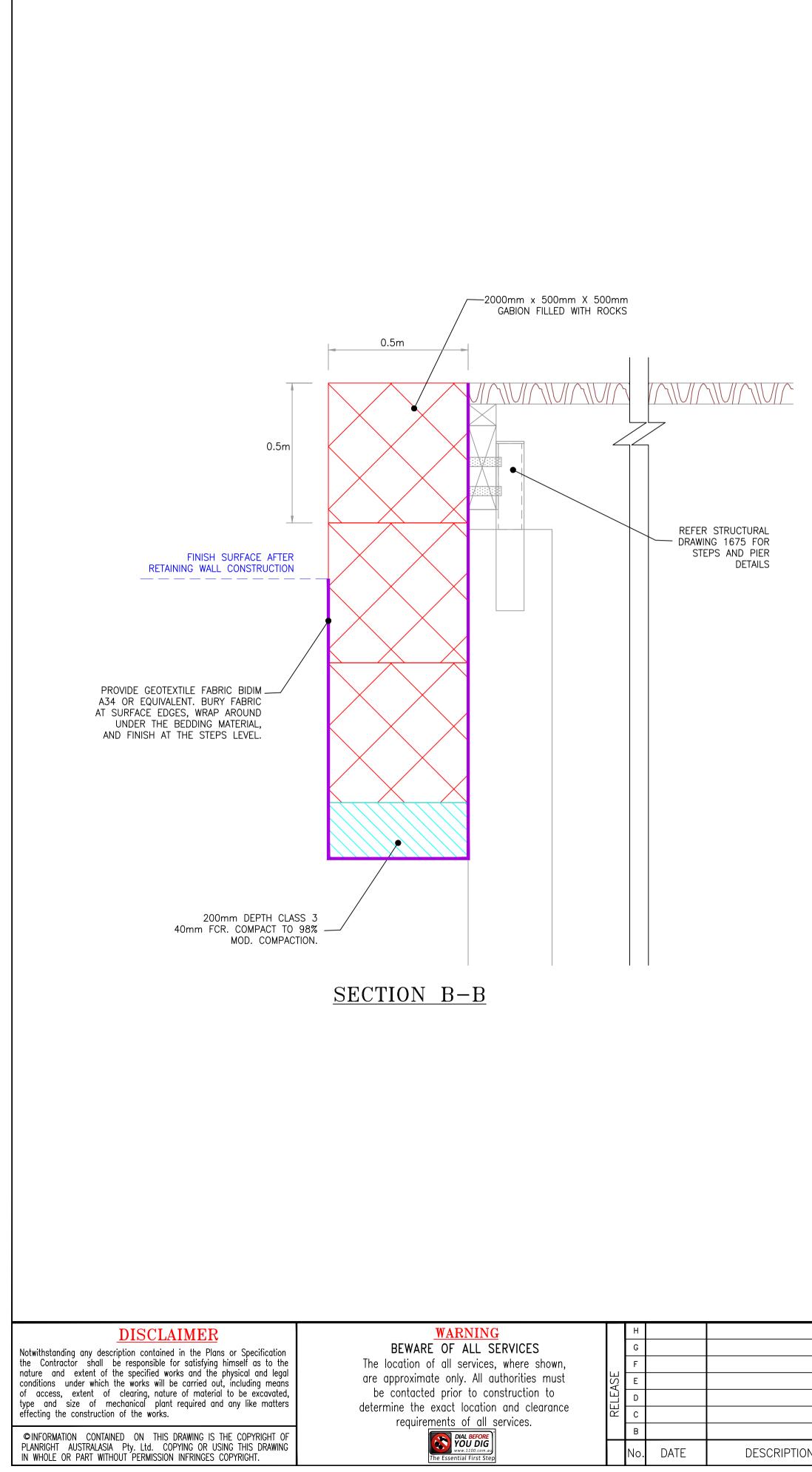


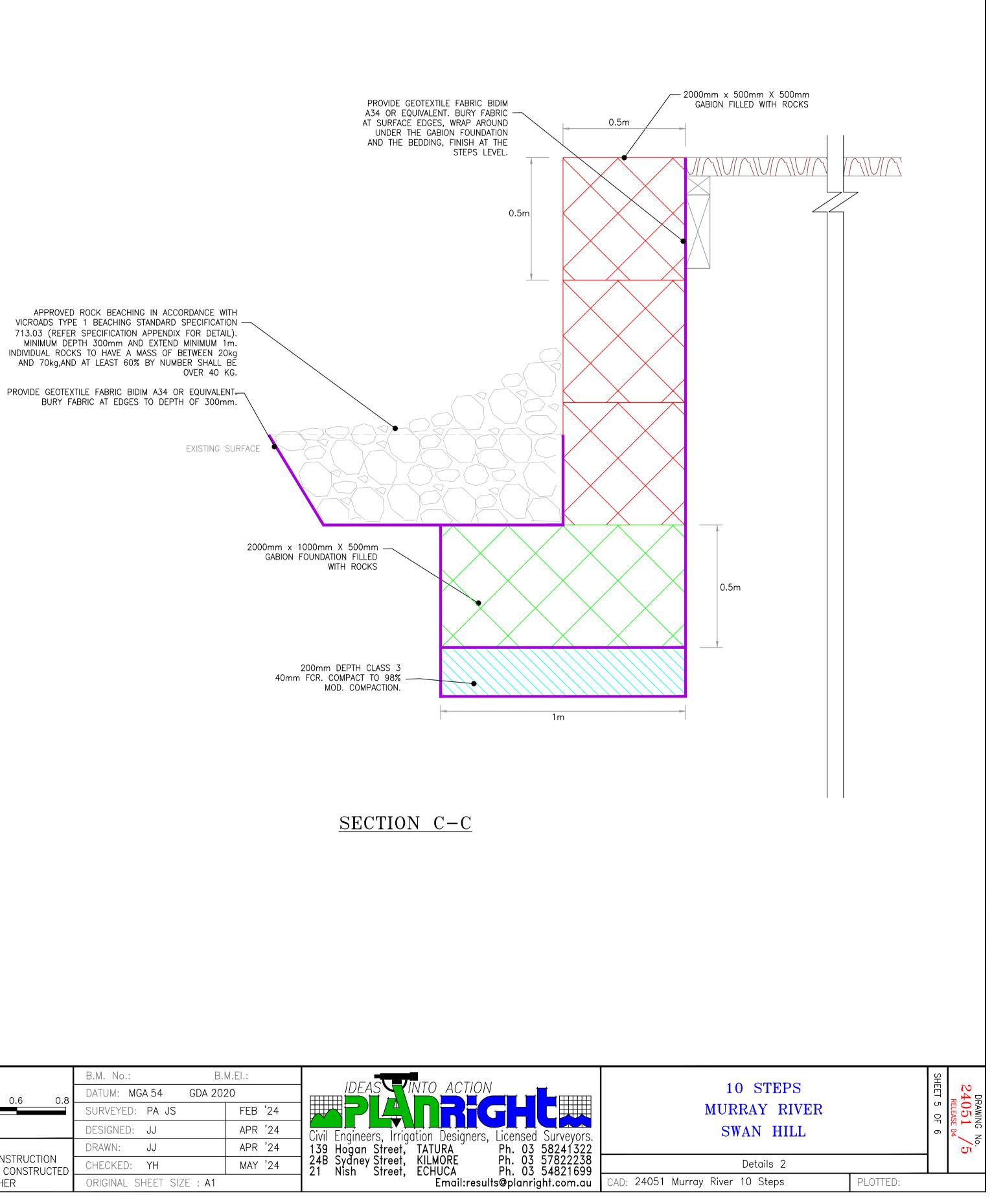
Civil Engineers, Irrigation Designers, Licensed Survey 139 Hogan Street, TATURA 24B Sydney Street, KILMORE 21 Nish Street, ECHUCA Ph. 03 54821 □ FOR TENDER ONLY □ OTHER Email:results@planright.co ORIGINAL SHEET SIZE : A1

EACHING CIFICATIOI mm AND HAVE / CAST 609 FABRIC	N ACCORDANCE WITH STANDARD SPECIFICATION N APPENDIX FOR DETAIL). EXTEND MINIMUM 1m. A MASS OF BETWEEN 20kg & BY NUMBER SHALL BE BIDIM A34 OR EQUIVALENT. DEPTH OF 300mm AND WRAP			
eyors. 1322 22238 21699 5m.au	10 STEPS MURRAY RIVER SWAN HILL Details 1 CAD: 24051 Murray River 10 Steps	PLOTTED:	SHEET 4 OF 6	DRAWING No. $24051/4$

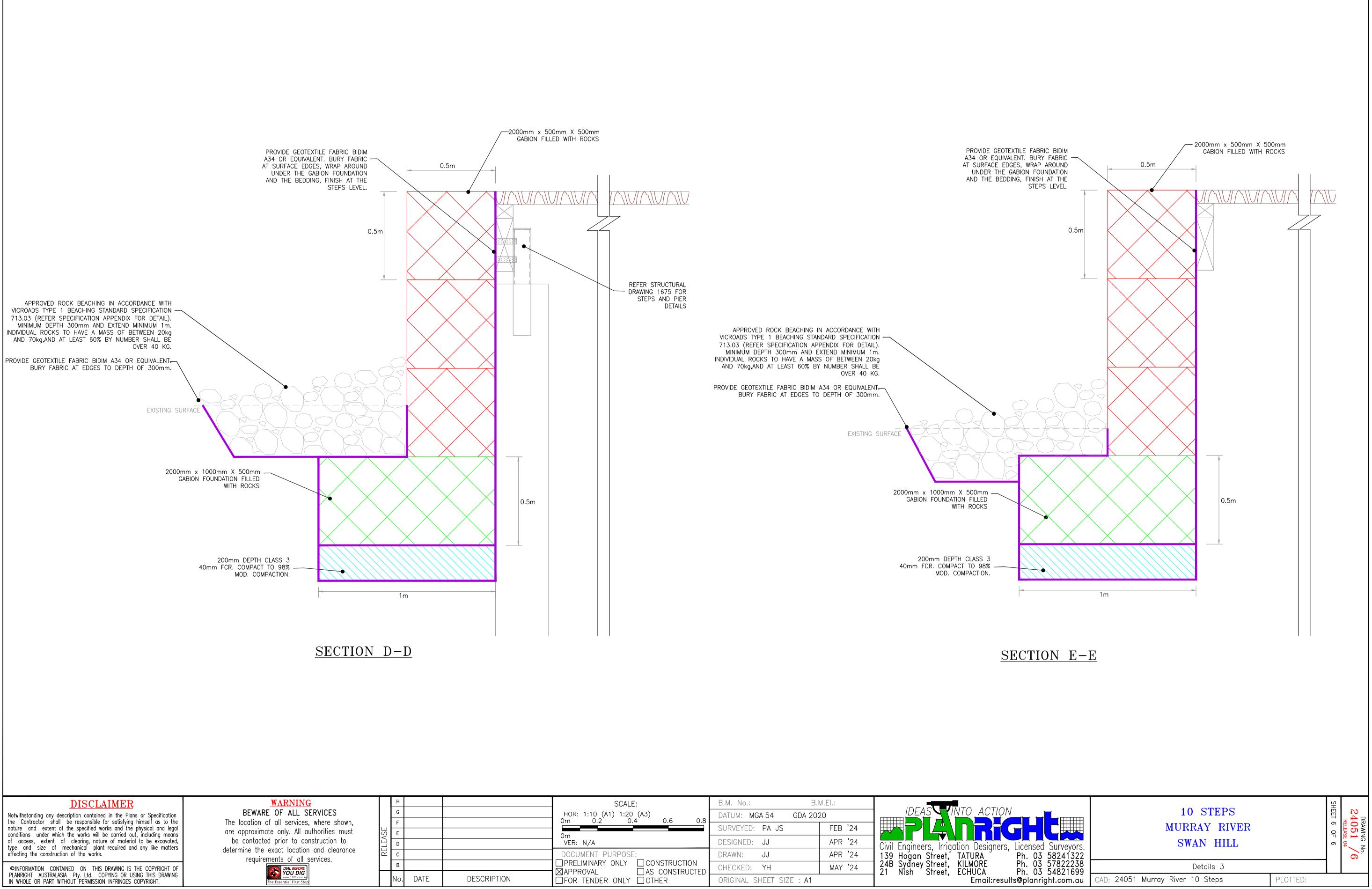
	×65.09	EXISTING SURFACE LEVEL				
		EXISTING STOP VALVE				
	xX	EXISTING FIRE PLUG				
		EXISTING DRAINAGE PIPE				
		EXISTING DRAINAGE PIT				
	7171717171717171717171717171717171717171	EXISTING TOP OF BANK				
EXISTING TOE OF BANK						
		EXISTING FEATURE				
	65.00	SURFACE LEVEL CONTOUR				
	$\bigcirc$	EXISTING TREE				
		VEGETATION AREA				
	A 66.75 TBM SPK TBM					
	· LIGHT EXISTING LIGHT					
· Electric EXISTING ELEC PIT						
EXISTING FENCE						
(H) RETAINING WALL BEAM AND FOOTING						
	RETAINING WALL					
	PROPOSED BEACHING					
		PROPOSED '10 STEPS' UPGRADE				

LEGEND





	SCALE:	B.M. No.: B.1	M.EI.:	
	HOR: 1:10 (A1) 1:20 (A3) 0m 0.2 0.4 0.6 0.8	DATUM: MGA 54 GDA 202	20	
		SURVEYED: PA JS	FEB '24	
	0m VER: N/A	DESIGNED: JJ	APR '24	Civil Engineers, Irrigation Designers, Licensed Surve
	DOCUMENT PURPOSE:	DRAWN: JJ	APR '24	139 Hogan Street, TATURA Ph. 03 58241
	<ul> <li>□ PRELIMINARY ONLY</li> <li>□ CONSTRUCTION</li> <li>□ APPROVAL</li> <li>□ AS CONSTRUCTED</li> <li>□ FOR TENDER ONLY</li> <li>□ OTHER</li> </ul>	CHECKED: YH	MAY '24	24B Sydney Street, KILMORE Ph. 03 57822 21 Nish Street, ECHUCA Ph. 03 5482
ON		ORIGINAL SHEET SIZE : A1		Email:results@planright.con
				-



	SCALE: HOR: 1:10 (A1) 1:20 (A3)	B.M. No.: B.1 DATUM: MGA 54 GDA 202	M.El.:	IDEAS INTO ACTION
	0m 0.2 0.4 0.6 0.8	SURVEYED: PA JS	FEB '24	
	0m VER: N/A	DESIGNED: JJ	APR '24	Civil Engineers, Irrigation Designers, Licensed Survey
	DOCUMENT PURPOSE: PRELIMINARY ONLY CONSTRUCTION APPROVAL AS CONSTRUCTED FOR TENDER ONLY OTHER	DRAWN: JJ	APR '24	139HoganStreet,TATURAPh.035824124BSydney Street,KILMOREPh.035782221NishStreet,ECHUCAPh.0354821
		CHECKED: YH	MAY '24	
ON		ORIGINAL SHEET SIZE : A1	-	Email:results@planright.com