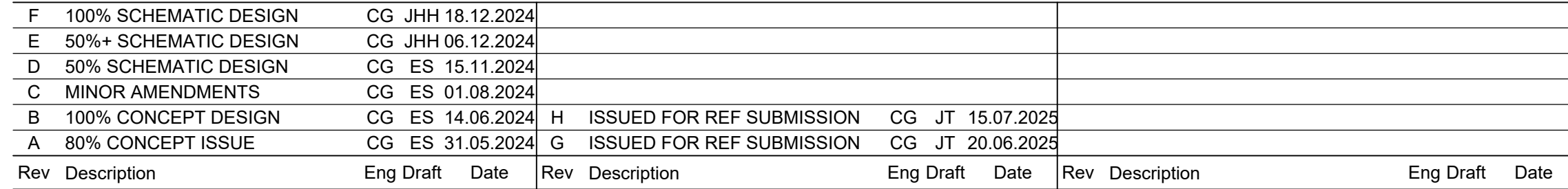
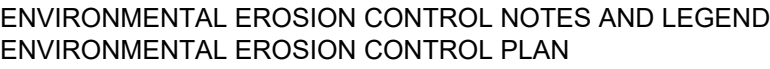


This drawing is copyright and is the property of TTW
and must not be used without authorisation.
THIS DRAWING IS TO BE READ IN CONJUNCTION
WITH ALL RELEVANT NOTES AND LEGENDS



NOT FOR CONSTRUCTION

[illegible]

GENERAL

- CONTRACTOR MUST VERIFY ALL DIMENSIONS AND EXISTING LEVELS ON SITE PRIOR TO COMMENCEMENT OF WORKS. ANY DISCREPANCIES TO BE REPORTED TO THE SUPERINTENDENT.
- STRIP ALL TOPSOIL FROM THE CONSTRUCTION AREA. ALL STRIPPED TOPSOIL SHALL BE DISPOSED OF OFF-SITE UNLESS DIRECTED OTHERWISE.
- MAKE SMOOTH CONNECTION WITH ALL EXISTING WORKS.
- COMPACT SUBGRADE UNDER BUILDINGS AND PAVEMENTS TO MINIMUM 98% STANDARD MAXIMUM DRY DENSITY IN ACCORDANCE WITH AS 1289 5.1.1. COMPACTION UNDER BUILDINGS TO EXTEND 2M MINIMUM BEYOND BUILDING FOOTPRINT.
- ALL WORK ON PUBLIC PROPERTY, PROPERTY WHICH IS TO BECOME PUBLIC PROPERTY, OR ANY WORK WHICH IS TO COME UNDER THE CONTROL OF THE STATUTORY AUTHORITY; THE CONTRACTOR IS TO ENSURE THAT THE DRAWINGS USED FOR CONSTRUCTION HAVE BEEN APPROVED BY ALL RELEVANT AUTHORITIES PRIOR TO COMMENCEMENT SITE.
- ALL WORK ON PUBLIC PROPERTY, PROPERTY WHICH IS TO BECOME PUBLIC PROPERTY, OR ANY WORK WHICH IS TO COME UNDER THE CONTROL OF THE STATUTORY AUTHORITY IS TO BE CARRIED OUT IN ACCORDANCE WITH THE REQUIREMENTS OF THE RELEVANT AUTHORITY. THE CONTRACTOR SHALL OBTAIN THESE REQUIREMENTS FROM THE AUTHORITY. WHERE THE REQUIREMENTS OF THE AUTHORITY ARE DIFFERENT TO THE DRAWINGS AND SPECIFICATIONS, THE REQUIREMENTS OF THE AUTHORITY SHALL BE APPLICABLE.
- FOR ALL TEMPORARY BATTERS REFER TO GEOTECHNICAL RECOMMENDATIONS.

BOUNDARIES AND EASEMENTS

- THE PROPERTY BOUNDARY AND EASEMENT LOCATIONS SHOWN ON TAYLOR THOMSON WHITTING DRAWING'S HAVE BEEN BASED ON INFORMATION RECEIVED FROM : RPS AUSTRALIA
- TAYLOR THOMSON WHITTING MAKES NO GUARANTEES THAT THE BOUNDARY OR EASEMENT INFORMATION SHOWN IS CORRECT. TAYLOR THOMSON WHITTING WILL ACCEPT NO LIABILITIES FOR BOUNDARY INACCURACIES. THE CONTRACTOR/BUILDER IS ADVISED TO CHECK/CONFIRM ALL BOUNDARIES IN RELATION TO ALL PROPOSED WORK PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. BOUNDARY INACCURACIES FOUND ARE TO BE REPORTED TO THE SUPERINTENDENT PRIOR TO CONSTRUCTION STARTING.

REFERENCE DRAWINGS

- THESE DRAWINGS HAVE BEEN BASED FROM, AND TO BE READ IN CONJUNCTION WITH THE FOLLOWING CONSULTANTS DRAWINGS. ANY CONFLICT TO THE DRAWINGS MUST BE NOTIFIED IMMEDIATELY TO THE ENGINEER.

CONSULTANT	DRAWING TITLE	DRAWING NUMBER	REVISION	DATE
EJE	OVERALL SITE CONTEXT PLAN	RRHC-EJE-00 -ZZ-DR-A-DA0 010	J	4/07/2025

SURVEY

- ORIGIN OF LEVELS:
DATUM OF LEVELS:
COORDINATE SYSTEM:
SURVEY PREPARED BY:
SETOUT POINTS:

PM117502
AHD
MGA2020
RPS AUSTRALIA
- TAYLOR THOMSON WHITTING DOES NOT GUARANTEE THAT THE SURVEY INFORMATION SHOWN ON THESE DRAWINGS IS ACCURATE AND WILL ACCEPT NO LIABILITY FOR ANY INACCURACIES IN THE SURVEY INFORMATION PROVIDED TO US FROM ANY CAUSE WHATSOEVER.

UNDERGROUND SERVICES - WARNING

- THE LOCATIONS OF UNDERGROUND SERVICES SHOWN ON TAYLOR THOMSON WHITTINGS DRAWINGS HAVE BEEN PLOTTED FROM DIAGRAMS PROVIDED BY SERVICE AUTHORITIES. THIS INFORMATION HAS BEEN PREPARED SOLELY FOR THE AUTHORITIES OWN USE AND MAY NOT NECESSARILY BE UPDATED OR ACURATE.
- THE POSITION OF SERVICES AS RECORDED BY THE AUTHORITY AT THE TIME OF INSTALLATION MAY NOT REFLECT CHANGES IN THE PHYSICAL ENVIRONMENT SUBSEQUENT TO INSTALLATION.
- THE CONTRACTOR MUST CONFIRM THE EXACT LOCATION AND EXTENT OF SERVICES PRIOR TO CONSTRUCTION AND NOTIFY ANY CONFLICT WITH THE DRAWINGS IMMEDIATELY TO THE ENGINEER/SUPERINTENDENT.
- THE CONTRACTOR IS TO GET APPROVAL FROM THE RELEVANT STATE SURVEY DEPARTMENT, TO REMOVE/ADJUST ANY SURVEY MARK. THIS INCLUDES BUT IS NOT LIMITED TO: STATE SURVEY MARKS (SSM), PERMANENT MARKS (PM), CADASTRAL REFERENCE MARKS OR ANY OTHER SURVEY MARK WHICH IS TO BE REMOVED OR ADJUSTED IN ANY WAY.
- TAYLOR THOMSON WHITTING PLANS DO NOT INDICATE THE PRESENCE OF ANY SURVEY MARK. THE CONTRACTOR IS TO UNDERTAKE THEIR OWN SEARCH.

BEFORE YOU DIG AUSTRALIA (BYDA)

- PUBLIC SERVICE UTILITY INFORMATION SHOWN ON PLAN HAS BEEN COMPLIED FROM INFORMATION RECEIVED FROM DIAL BEFORE YOU DIG INQUIRY, REFERENCE NUMBER No.36594465 OBTAINED ON 02.05.2024 UNLESS SPECIFICALLY SHOWN OTHERWISE, THIS LOCATION AND DEPTH OF SERVICES SHOWN ON THIS PLAN HAVE NOT BEEN VERIFIED.
- THE LOCATION OF SERVICES SHOWN ON THIS DRAWING HAVE BEEN PLOTTED AS ACCURATELY AS POSSIBLE FROM DIAGRAMS PROVIDED BY SERVICE AUTHORITIES AND SHOULD BE CONFIRMED BY SITE INSPECTION."

SITE WORKS

- ALL BASECOURSE MATERIAL TO COMPLY WITH RMS SPECIFICATION NO 3051 AND COMPACTED TO MINIMUM 98% MODIFIED MAXIMUM DRY DENSITY IN ACCORDANCE WITH AS 1289 5.2.1.
- ALL TRENCH BACKFILL MATERIAL SHALL BE COMPACTED TO THE SAME DENSITY AS THE ADJACENT MATERIAL.
- ALL SERVICE TRENCHES UNDER VEHICULAR PAVEMENTS SHALL BE BACKFILLED WITH AN APPROVED SELECT MATERIAL AND COMPACTED TO A MINIMUM 98% MODIFIED MAXIMUM DRY DENSITY IN ACCORDANCE WITH AS 1289 5.2.1

PUBLIC DOMAIN WORKS

- PUBLIC DOMAIN WORKS ARE NOT TO COMMENCE UNTIL THESE DRAWINGS ARE STAMPED AS APPROVED.

TENDER DOCUMENTATION

- THESE DRAWINGS ARE PRELIMINARY DRAWINGS ISSUED FOR TENDER AS AN INDICATION OF THE EXTENT OF WORKS ONLY. THEY ARE NOT A COMPLETE CONSTRUCTION SET OF DRAWINGS.
- TO DETERMINE THE FULL EXTENT OF WORK, THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH THE ARCHITECTURAL DRAWINGS AND OTHER CONTRACT DOCUMENTS. ALLOW FOR ALL ITEMS SHOWN ON ARCHITECTURAL AND OTHER DRAWINGS AS NOT ALL ITEMS ARE SHOWN ON THE STRUCTURAL/CIVIL WORKS DRAWINGS.
- SHOULD ANY AMBIGUITY, ERROR, OMISSIONS, DISCREPANCY, INCONSISTENCY OR OTHER FAULT EXIST OR SEEM TO EXIST IN THE DOCUMENTS, IMMEDIATELY NOTIFY IN WRITING TO THE SUPERINTENDENT.
- RATES SHOWN ON THE DRAWINGS ARE FOR THE FINAL STRUCTURE/CIVIL WORKS IN PLACE AND DO NOT ALLOW FOR ANY WASTAGE, ROLLING MARGINS, OVER SUPPLY OR FABRICATION REQUIREMENTS. ETC.

DESIGN AND CONSTRUCT DOCUMENTATION

- THE LEVEL OF DETAIL / DESIGN REFLECTED IN THESE DOCUMENTS IS BASED ON THE UNDERSTANDING THIS WILL BE BUILT AS PART OF A DESIGN & CONSTRUCT CONTRACT.
- THE CONTRACTOR SHALL RETAIN THE RESPONSIBILITY TO UNDERTAKE DETAILED DESIGN, CONFIRM COMPLIANCE WITH RELEVANT STANDARDS, CONSENT CONDITIONS & THE SPECIFICATION
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THE FINAL DESIGN IS CO-ORDINATED FULLY WITH OTHER CONSULTANTS.
- NO VARIATION WILL BE ACCEPTED FOR DESIGN AMENDMENTS REQUIRED TO MEET THE FUNCTIONAL OBJECTIVE OF THIS DOCUMENTATION.

SAFETY IN DESIGN

CONTRACTOR TO REFER TO APPENDIX B OF THE CIVIL SPECIFICATION FOR THE CIVIL RISK AND SOLUTIONS REGISTER.

- EXISTING SERVICES
CONTRACTOR TO BE AWARE EXISTING SERVICES ARE LOCATED WITHIN THE SITE. LOCATION OF ALL SERVICES TO BE VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCING WORKS. CONTRACTOR TO CONFIRM WITH RELEVANT AUTHORITY REGARDING MEASURES TO BE TAKEN TO ENSURE SERVICES ARE PROTECTED OR PROCEDURES ARE IN PLACE TO DEMOLISH AND/OR RELOCATE.
- EXISTING STRUCTURES
CONTRACTOR TO BE AWARE EXISTING STRUCTURES MAY EXIST WITHIN THE SITE. TO PREVENT DAMAGE TO EXISTING STRUCTURE(S) AND/OR PERSONNEL, SITE WORKS TO BE CARRIED OUT AS FAR AS PRACTICABLY POSSIBLE FROM EXISTING STRUCTURE(S).
- EXISTING TREES
CONTRACTOR TO BE AWARE EXISTING TREES EXIST WITHIN THE SITE WHICH NEED TO BE PROTECTED. TO PREVENT DAMAGE TO TREES AND/OR PERSONNEL, SITE WORKS TO BE CARRIED OUT AS FAR AS PRACTICABLY POSSIBLE FROM EXISTING TREES. ADVICE NEEDS TO BE SOUGHT FROM ARBORIST AND/OR LANDSCAPE ARCHITECT ON MEASURES REQUIRED TO PROTECT TREES.
- GROUNDWATER
CONTRACTOR TO BE AWARE GROUND WATER LEVELS ARE CLOSE TO EXISTING SURFACE LEVEL. TEMPORARY DE-WATERING MAY BE REQUIRED DURING CONSTRUCTION WORKS.
- EXCAVATIONS
DEEP EXCAVATIONS DUE TO STORMWATER DRAINAGE WORKS IS REQUIRED. CONTRACTOR TO ENSURE SAFE WORKING PROCEDURES ARE IN PLACE FOR WORKS. ALL EXCAVATIONS TO BE FENCED OFF AND BATTERS ADEQUATELY SUPPORTED TO APPROVAL OF GEOTECHNICAL ENGINEER.
- GROUND CONDITIONS
CONTRACTOR TO BE AWARE OF THE SITE GEOTECHNICAL CONDITIONS. REFER TO GEOTECHNICAL REPORT BY

- JK GEOTECHNICS 'PRELIMINARY GEOTECHNICAL INVESTIGATION' DATED 22 NOVEMBER 2024.
- HAZARDOUS MATERIALS
EXISTING ASBESTOS PRODUCTS & CONTAMINATED MATERIAL MAY BE PRESENT ON SITE. CONTRACTOR TO ENSURE ALL HAZARDOUS MATERIALS ARE IDENTIFIED PRIOR TO COMMENCING WORKS. SAFE WORKING PRACTICES AS PER RELEVANT AUTHORITY TO BE ADOPTED AND APPROPRIATE PPE TO BE USED WHEN HANDLING ALL HAZARDOUS MATERIALS. REFER TO GEOTECHNICAL/ENVIRONMENTAL REPORT BY

- JK GEOTECHNICS 'PRELIMINARY GEOTECHNICAL INVESTIGATION' DATED 22 NOVEMBER 2024.
- CONFINED SPACES
CONTRACTOR TO BE AWARE OF POTENTIAL HAZARDS DUE TO WORKING IN CONFINED SPACES SUCH AS STORMWATER PITS, TRENCHES AND/OR TANKS. CONTRACTOR TO PROVIDE SAFE WORKING METHODS AND USE APPROPRIATE PPE WHEN ENTERING CONFINED SPACES.
- MANUAL HANDLING
CONTRACTOR TO BE AWARE MANUAL HANDLING MAY BE REQUIRED DURING CONSTRUCTION. CONTRACTOR TO TAKE APPROPRIATE MEASURES TO ENSURE MANUAL HANDLING PROCEDURES AND ASSESSMENTS ARE IN PLACE PRIOR TO COMMENCING WORKS.
- WATER POLLUTION
CONTRACTOR TO ENSURE APPROPRIATE MEASURES ARE TAKEN TO PREVENT POLLUTANTS FROM CONSTRUCTION WORKS CONTAMINATING THE SURROUNDING ENVIRONMENT.
- SITE ACCESS/EGRESS
CONTRACTOR TO BE AWARE SITE WORKS OCCUR IN CLOSE PROXIMITY TO FOOTPATHS AND ROADWAYS. CONTRACTOR TO ERECT APPROPRIATE BARRIERS AND SIGNAGE TO PROTECT SITE PERSONNEL AND PUBLIC.
- VEHICLE MOVEMENT
CONTRACTOR TO SUPPLY AND COMPLY WITH TRAFFIC MANAGEMENT PLAN AND PROVIDE ADEQUATE SITE TRAFFIC CONTROL INCLUDING A CERTIFIED TRAFFIC MARSHALL TO SUPERVISE VEHICLE MOVEMENTS WHERE NECESSARY.

CLASSIFICATION OF EXISTING UTILITY INFORMATION

- A

-

SIGHTED, MUST BE LOCATED, THEN POTHOLED. UTILITY MUST BE PHYSICALLY SIGHTED AND MEASURED.
- B

-

ELECTRONICALLY DETECTED AND LOCATED ON SITE USING VARIOUS TRACING METHODS.
- C

-

ALIGNED FROM SURFACE FEATURES AND DIGITISED DATA.
- D

-

DIGITISED DATA (BEFORE YOU DIG).

EXISTING SERVICES NOTES

- BELOW GROUND SERVICES CAN BE REPRESENTED AS GREY FOR EXISTING AND BLACK FOR PROPOSED DEPENDING ON THE PLAN.
- EXISTING SERVICES PITS, STRUCTURES AND COLUMNS ARE ILLUSTRATED AS PER THE ORIGINAL SURVEY.

BOUNDARIES

EXISTING	REMOVED	PROPOSED
BLOCK BOUNDARY		
BLOCK BOUNDARY EXTINGUISHED		

BUILDINGS

EXISTING	PROPOSED	
		BUILDING ENVELOPE

LANDSCAPE

EXISTING	PROPOSED	
		FENCE LINE
		TREE TREE REPRESENTATION MAY VARY BASED ON LANDSCAPE CONSULTANT OR SURVEY INFORMATION
		PAVEMENT
		SOFT LANDSCAPE
		RETAINING WALL

SERVICES

EXISTING	PROPOSED	
		STORMWATER
		WATER
		ELECTRICAL
		GAS
		COMMUNICATIONS
		SEWER

NOT FOR CONSTRUCTION

			Client:			Engineer:			Project:			Drawing Title:			Scale at A1			Drawn			Designed			Approved		
									RICHMOND RIVER HIGH CAMPUS LISMORE, NSW			GENERAL NOTES AND LEGEND			NTS			ARW			CG			GC		
C ISSUED FOR REF SUBMISSION CG JT 15.07.2025															Project No			Originator			Func			Spat		
B ISSUED FOR REF SUBMISSION CG JT 20.06.2025															Role			Type			Role			Sheet No.		
A 100% SCHEMATIC DESIGN CG JHH 18.12.2024															RRHS-TTW-00-00-DR-C-00002-C											
Rev	Description	Eng	Draft	Date	Rev	Description	Eng	Draft	Date	Rev	Description	Eng	Draft	Date	15.07.2025 4:28 PM											

Z:\jobs\23\231563\civil\sheets\0\0\231563-TTW-00-DR-C-00002.dwg

Z:\obs\23\231563\div\sheets\0\231563-TTW-00-DR-CI-00005.dwg



ALEXANDRA PARADE

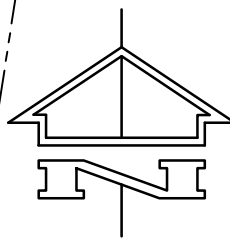
D	ISSUED FOR REF SUBMISSION	CG JT 15.07.2025					
C	ISSUED FOR REF SUBMISSION	CG JT 20.06.2025					
B	DRAFT FOR COORDINATION	CG ES 23.05.2025					
A	100% SCHEMATIC DESIGN	CG JHH 18.12.2024					
Rev	Description	Eng Draft	Date	Rev	Description	Eng Draft	Date



Drawing Title:
**GENERAL
OVERVIEW PLAN**

Scale at A1	Drawn	Designed	Approved
1:1000	ARW	CG	GC

Project No	Originator	Func	Spat	Type	Role	Sheet No.	Rev
RRHS-TTW-00-00-DR-C-00005-D							
15.07.2025 4:35 PM							



This drawing is copyright and is the property of TTW
and must not be used without authorisation.
THIS DRAWING IS TO BE READ IN CONJUNCTION
WITH ALL RELEVANT NOTES AND LEGENDS



Z:\jobs\23\231563\civil\sheets\00\231563-TTW-00-DR-C-00010.dwg

0.0 40.0 80.0 120.0 160.0m
1:2000 A1 1:4000 A3

F	100% SCHEMATIC DESIGN	CG	JHH	18.12.2024					
E	50%+ SCHEMATIC DESIGN	CG	JHH	06.12.2024					
D	50% SCHEMATIC DESIGN	CG	ES	15.11.2024					
C	MINOR AMENDMENTS	CG	ES	01.08.2024					
B	100% CONCEPT DESIGN	CG	ES	14.06.2024	H	ISSUED FOR REF SUBMISSION	CG	JT	15.07.2025
A	80% CONCEPT ISSUE	CG	ES	31.05.2024	G	ISSUED FOR REF SUBMISSION	CG	JT	20.06.2025
Rev	Description	Eng	Draft	Date	Rev	Description	Eng	Draft	Date



Project: RICHMOND RIVER
HIGH CAMPUS
LISMORE, NSW
INTERNAL CIVIL WORKS

Drawing Title:
GENERAL
SHEET LAYOUT PLAN

Scale at A1
1:2000
Project No
RRHS-TTW-00-00-DR-C-00010-H
15.07.2025 4:36 PM
Drawn
ARW
Designed
CG
Approved
GC
Project No
Originator
Func
Spat
Type
Role
Sheet No.
Rev

NOT FOR CONSTRUCTION

ALIGNMENT

CONTROL LINE



STRING NOTATION



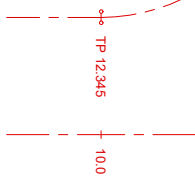
ROAD ALIGNMENT CONTROL 1

HORIZONTAL GEOMETRY

CONTROL LINE



STRING NOTATION



TANGENTIAL POINT DUMBELL AT 12.345m

CHAINAGE TICK AT 10.0m



RADIUS IS EQUAL TO 50.0m

SURFACE

EXISTING



PROPOSED



CONTOUR

eRL 123.000

RL 456.000

SPOT LEVEL

2.0%

2.0%

2.0% CROSS FALL GRADE ARROW

GEOMETRIC ANNOTATIONS

CH	CHAINAGE
TP	TANGENTIAL POINT
R	RADIUS
RL	REDUCE LEVEL
eRL	EXISTING REDUCED LEVEL
FFL	FINISHED FLOOR LEVEL
TOW	TOP OF WALL LEVEL
BOW	BOTTOM OF WALL LEVEL

NOTE

GEOMETRY NOTES AND LEGEND IS TO READ IN CONJUNCTION WITH GENERAL NOTES AND LEGEND. REFER DRAWING No. 00002

RETAINING WALLS

- DRAINAGE SHALL BE PROVIDED AS SHOWN ON THE DRAINAGE DRAWINGS.
- BACKFILLING SHALL BE CARRIED OUT AFTER GROUT OR CONCRETE HAS REACHED A MINIMUM STRENGTH OF 0.85 F'C. BACKFILLING SHALL BE APPROVED GRANULAR MATERIAL COMPACTED IN LAYERS NOT EXCEEDING 200mm TO 95% STANDARD COMPACTION UNLESS NOTED OTHERWISE.
- PROVIDE WATERPROOFING TO BACK OF WALLS AS SPECIFIED OR NOTED.
- WHERE RETAINING WALLS RELY ON CONNECTING STRUCTURAL ELEMENTS FOR STABILITY, DO NOT BACKFILL AGAINST THE WALL UNLESS IT IS ADEQUATELY PROPPED OR THE ELEMENTS HAVE BEEN CONSTRUCTED AND HAVE SUFFICIENT STRENGTH TO WITHSTAND THE LOADS.
- FOR ALL TEMPORARY BATTERS OBTAIN GEOTECHNICAL ENGINEERS' RECOMMENDATIONS.
- RETAINING WALL DETAILS TO BE CONFIRMED AT DETAILED DESIGN STAGE.

REINFORCED EARTH WALLS

- ALL MASONRY BLOCKS AND GABION BASKETS ARE TO THE MANUFACTURE'S SPECIFICATION.
- GEOFABRIC TYPE AND LENGTH IS TO BE LAID AS PER PLANS.
- SUBGRADE BEARING TESTS MUST BE COMPLETED AND RESULTS REVIEWED PRIOR TO GABION BASKET LAYING.
- CONTRACTOR TO SUBMIT SHEAR BOX TEST RESULTS TO ENSURE ADEQUATE FRICTION ANGLE, UNIT WEIGHT AND COHESION.
- CONTRACTOR MUST PROVIDE TEST RECORDS TO ENSURE COMPACTION RESULTS AND MOISTURE CONTENT BETWEEN LAYERS THAT HAVE BEEN SPECIFIED IS ACHIEVED.
- SOIL CONDITIONS ARE ANTICIPATED AS NOTED BY THE LATEST GEOTECHNICAL REPORT. ANY CONFLICTS OR CHANGES WITH THE SOIL CONDITIONS OR DESIGN, THE CONTRACTOR IS TO SEEK APPROVAL FOR ANY CHANGES BY THE GEOTECHNICAL ENGINEER.

MASONRY NOTES

- TEMPORARY BRACING SHALL BE PROVIDED BY THE CONTRACTOR TO KEEP THE MASONRY STABLE AT ALL TIMES.
- MASONRY TO BE IN ACCORDANCE WITH AS 3700
- MASONRY UNITS SHALL COMPLY WITH AS/NZS 4455 AND AS FOLLOWS:

TYPE OF MASONRY UNIT	CHARACTERISTIC UNCONFINED COMPRESSIVE STRENGTH (f _{uc})	CHARACTERISTIC LATERAL MODULUS OF RUPTURE (f _{ut})
CLAY AND CALCIUM SILICATE	15MPa	0.8 MPa
CONCRETE USE IN NON-LOAD BEARING INTERNAL WALLS	4.5 MPa (HOLLOW UNITS) 3.0 MPa (SOLID OR CORE UNITS)	0.8 MPa
UN-REINFORCED LOAD BEARING WALLS, REINFORCED MASONRY AND NON-LOAD BEARING EXTERNAL WALLS	15 MPa (HOLLOW UNITS) 10 MPa (SOLID OR CORE UNITS)	0.8 MPa

- MORTAR SHALL CONSIST OF THE FOLLOWING:-
 - M3 FOR GENERAL APPLICATIONS 1 PART TYPE GP CEMENT: 5 PARTS SAND PLUS WATER THICKENER
 - M4 FOR ELEMENTS IN INTERIOR ENVIRONMENTS SUBJECT TO SALINE WETTING AND DRYING; BELOW A DAMP-PROOF COURSE OR IN CONTACT WITH GROUND IN AGGRESSIVE SOILS; IN SEVERE MARINE ENVIRONMENTS; IN SALINE OR CONTAMINATED WATER INCLUDING TIDAL SPLASH ZONES; AND WITHIN 1KM OF AN INDUSTRY PRODUCING CHEMICAL POLLUTANTS. 1 PART TYPE GP CEMENT: 4 PARTS SAND PLUS WATER THICKENER.
- PROVIDE VERTICAL CONTROL JOINTS IN MASONRY OVER PERMANENT FLOOR JOINTS AND AS PER THE ARCHITECTURAL DRAWINGS.
- MASONRY WALLS SHOWN ON THE STRUCTURAL PLANS ARE LOAD-BEARING UNO. NON-LOADBEARING WALLS SHALL BE SEPARATED FROM THE CONCRETE STRUCTURE ABOVE WITH 20mm COMPRESSIBLE FILLER. MASONRY WALLS SUPPORTING SLABS SHALL HAVE A LAYER OF MORTAR TROWELED SMOOTH ON TOP. PROVIDE M.E.T. SLIPJOINT TO SEPARATE FLOOR SLABS AND MASONRY. PROVIDE HERCULES HERCUSLIP COMPOSITE TO SEPARATE ROOF SLABS AND MASONRY.
- OTHER THAN WHAT IS ALLOWED IN THE SPECIFICATION NO CHASING OR REBATES MAY BE MADE IN MASONRY WALLS WITHOUT WRITTEN APPROVAL.
- THE CONTRACTOR SHALL PROVIDE RECORDS THAT DEMONSTRATE ALL MASONRY BED JOINT REINFORCEMENT, MASONRY TIES AND MASONRY WALL STIFFENERS HAVE BEEN INSTALLED IN ACCORDANCE WITH THE DRAWINGS AND SPECIFICATION.
- ALL LOAD BEARING CONCRETE MASONRY WALLS SHALL HAVE ALL CORES FILLED WITH GROUT UNO. CORE FILLING GROUT SHALL BE THOROUGHLY COMPACTED. GROUT TO BE IN ACCORDANCE WITH AS3700 AND AS FOLLOWS:

LOCATION	f _{cg} MPa	SPECIFIED SLUMP	NOMINAL AGG. SIZE
GROUT	20	230	10

- ALL CORE FILLED BLOCKWALLS SHALL BE CONSTRUCTED WITH "DOUBLE U" BLOCKS
- IN CORE FILLED BLOCKWALLS CLEANOUT OPENINGS SHALL BE PROVIDED AT THE BOTTOM OF EACH CORE AND SHALL BE CLEANED OF MORTAR PROTRUSIONS BEFORE GROUTING.
- ALL CORE FILLED BLOCK WALLS SHALL HAVE ALL CORES FILLED WITH GROUT UNO. CORE FILLING GROUT TO BE IN ACCORDANCE WITH NOTE 9.
- COVER TO REINFORCEMENT TO BE 50mm TO FACE OF BLOCK UNO.
- PROVIDE BED JOINT REINFORCEMENT AS FOLLOWS:-
 - M.E.T GALVANIZED MASONRY REO WHERE M3 MORTAR IS USED (SUPPLIED BY DUNSTONE MAZE IN NSW) ANCON CCL STAINLESS STEEL WHERE M4 MORTAR IS USED AND LOCATE AS FOLLOWS:-
 - IN 2 BED JOINTS BELOW AND ABOVE HEAD AND SILL FLASHINGS TO OPENINGS
 - IN 2 BED JOINTS BELOW AND ABOVE OPENINGS
 - IN THIRD BED JOINT ABOVE BOTTOM OF WALL
 - IN SECOND BED JOINT BELOW TOP OF WALL

WALL JOINTING

- FOR CONCRETE WALLS, WEAKENED PLANE JOINTS (WPJ) OR CONTROL JOINTS (CJ) TO BE LOCATED AT A MAXIMUM OF 8.0m CENTERS. EXPANSION JOINTS (EJ) TO BE LOCATED AT A MAXIMUM OF 30.0m CENTERS (U.N.O.)
- FOR BLOCKWORK WALLS, DOWELED CONTROL JOINTS (CJ) TO BE LOCATED AT A MAXIMUM OF 8.0m SPACING.
- REFER TO DRAWING NO. 03001 FOR ADDITIONAL JOINTING NOTES.

NOT FOR CONSTRUCTION

						Client:			Engineer:			Project:			Drawing Title:			Scale at A1			Drawn			Designed			Approved														
									School Infrastructure NSW						RICHMOND RIVER HIGH CAMPUS LISMORE, NSW INTERNAL CIVIL WORKS			NTS			ARW			CG			GC														
C ISSUED FOR REF SUBMISSION			CG JT 15.07.2025															Project No			Originator			Func			Spat			Type			Role			Sheet No.			Rev		
B ISSUED FOR REF SUBMISSION			CG JT 20.06.2025																																						
A 100% SCHEMATIC DESIGN			CG JHH 18.12.2024																																						
Rev Description			Eng Draft Date			Rev Description			Eng Draft Date			Rev Description			Eng Draft Date																										



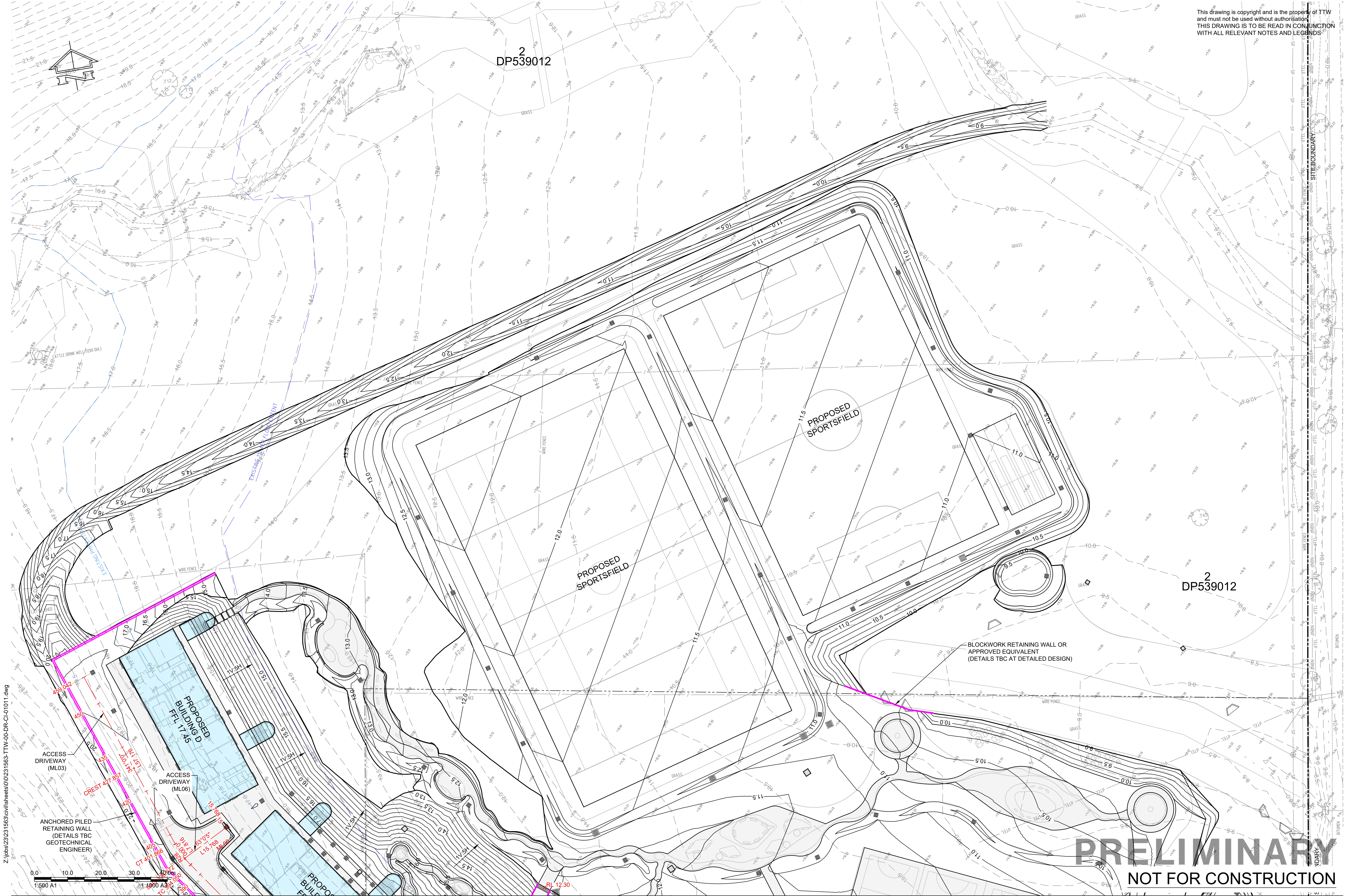
School Infrastructure NSW



Structural Civil Traffic Façade

912 9439 7288 | Level 6, 73 Miller Street, North Sydney, NSW 2060

This drawing is copyright and is the property of TTW and must not be used without authorisation. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT NOTES AND LEGENDS.



Z:\jobs\23231563\civil\sheets\00231563-TTW-00-DR-C-01011.dwg

Rev	Description	Eng	Draft	Date	Rev	Description	Eng	Draft	Date	Rev	Description	Eng	Draft	Date
C	ISSUED FOR REF SUBMISSION	CG	JT	15.07.2025										
B	ISSUED FOR REF SUBMISSION	CG	JT	20.06.2025										
A	100% SCHEMATIC DESIGN	CG	JHH	18.12.2024										

Client:  School Infrastructure NSW

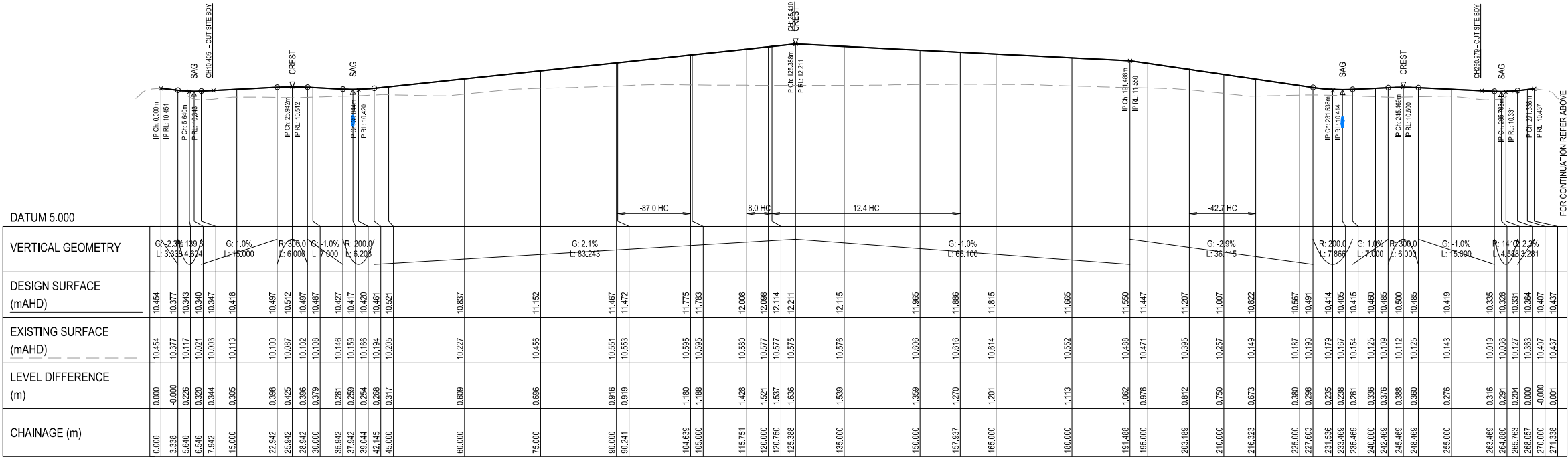
Engineer:  Structural Civil Traffic Façade
612 9439 7288 | Level 6, 73 Miller Street, North Sydney, NSW 2060

Project: RICHMOND RIVER
HIGH CAMPUS
LISMORE, NSW
INTERNAL CIVIL WORKS

Drawing Title:
GEOMETRY
ALIGNMENT CONTROL
AND GRADING PLAN
SHEET 1

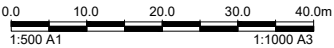
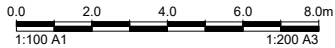
Scale at A1: 1:500
Project No: RRHS-TTW-00-00-DR-C-01011-C
15.07.2025 4:46 PM
Drawn: ARW
Designed: CG
Approved: GC
Project No: Originator: Func: Spat: Type: Role: Sheet No: Rev

Z:\pos\23\231563\civil\sheets\00\0231563-TTW-00-DR-C-0111.dwg



ALIGNMENT ML01

SCALE - HORIZ. 1:500 VERT. 1:100 AT A1



NOT FOR CONSTRUCTION

									Client:			Engineer:			Project:			Drawing Title:			Scale at A1			Drawn			Designed			Approved														
												School Infrastructure NSW						RICHMOND RIVER HIGH CAMPUS LISMORE, NSW INTERNAL CIVIL WORKS			GEOMETRY ROAD LONGITUDINAL SECTIONS SHEET 1			1:500			ARW			CG			GC											
C ISSUED FOR REF SUBMISSION			CG JT 15.07.2025																					Project No			Originator			Func			Spat			Role			Sheet No.			Rev		
B ISSUED FOR REF SUBMISSION			CG JT 20.06.2025																																									
A 100% SCHEMATIC DESIGN			CG JHH 18.12.2024																																									
Rev	Description	Eng Draft	Date	Rev	Description	Eng Draft	Date	Rev	Description	Eng Draft	Date	Rev	Description	Eng Draft	Date	Rev	Description	Eng Draft	Date	Rev	Description	Eng Draft	Date	Rev	Description	Eng Draft	Date	Rev	Description	Eng Draft	Date	Rev	Description	Eng Draft	Date									

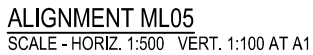


Project: RICHMOND RIVER
HIGH CAMPUS
LISMORE, NSW
INTERNAL CIVIL WORKS

Drawing Title: GEOMETRY
ROAD LONGITUDINAL
SECTIONS
SHEET 1

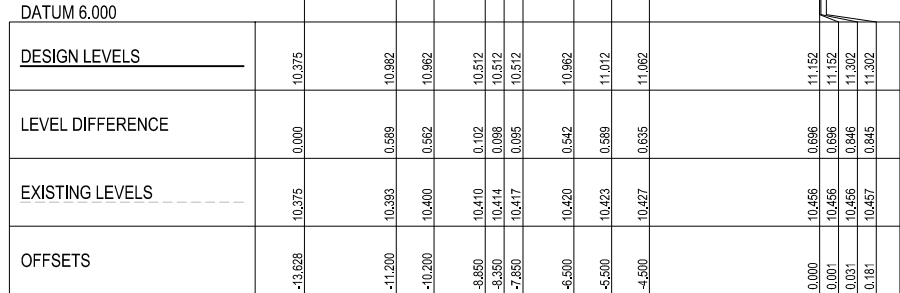
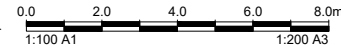
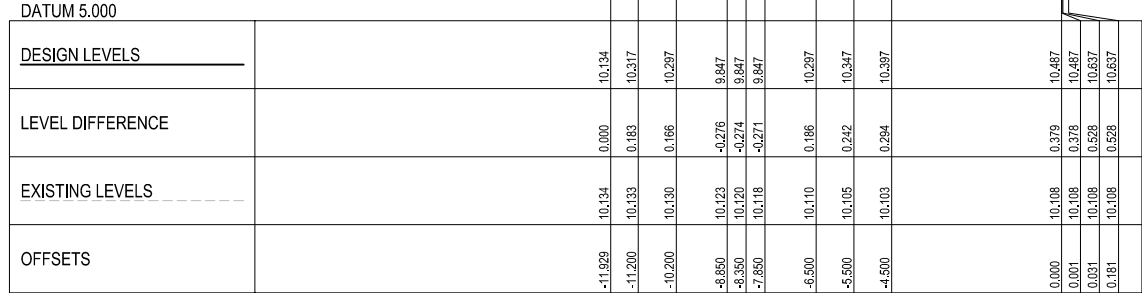
Scale at A1: 1:500
Drawn: ARW
Designed: CG
Approved: GC
Project No: RRHS-TTW-00-00-DR-C-01111-C
15.07.2025 4:51 PM





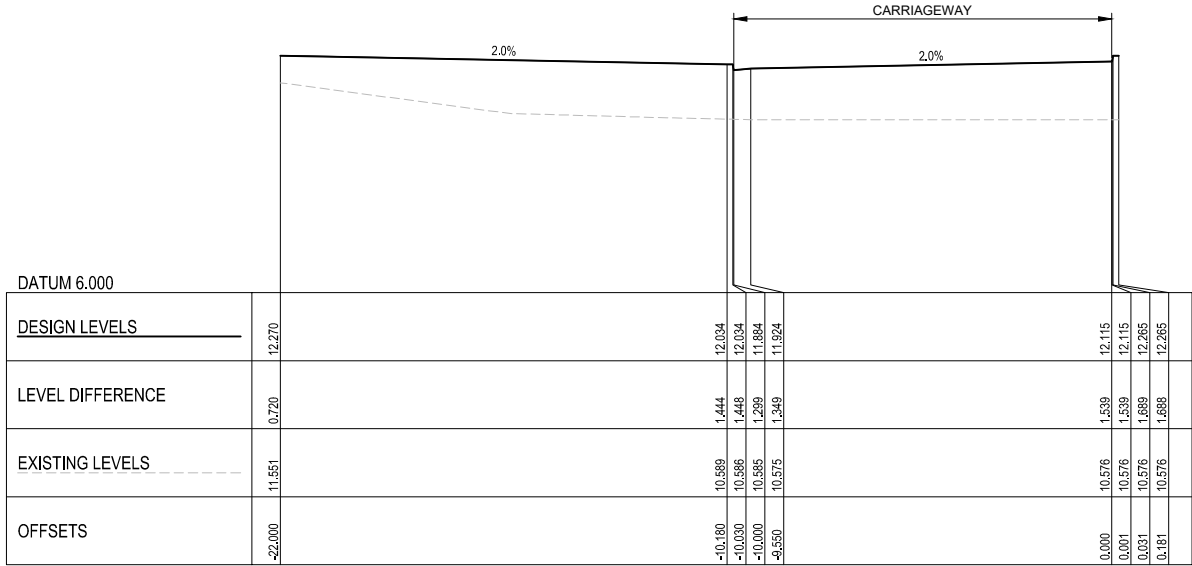
NOT FOR CONSTRUCTION

[illegible]

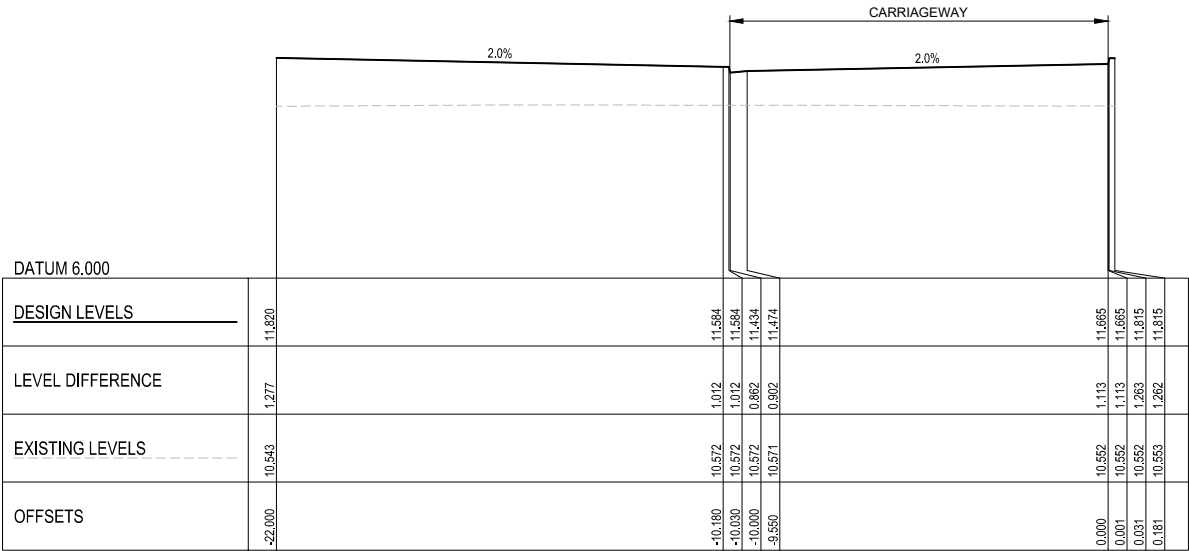


NOT FOR CONSTRUCTION

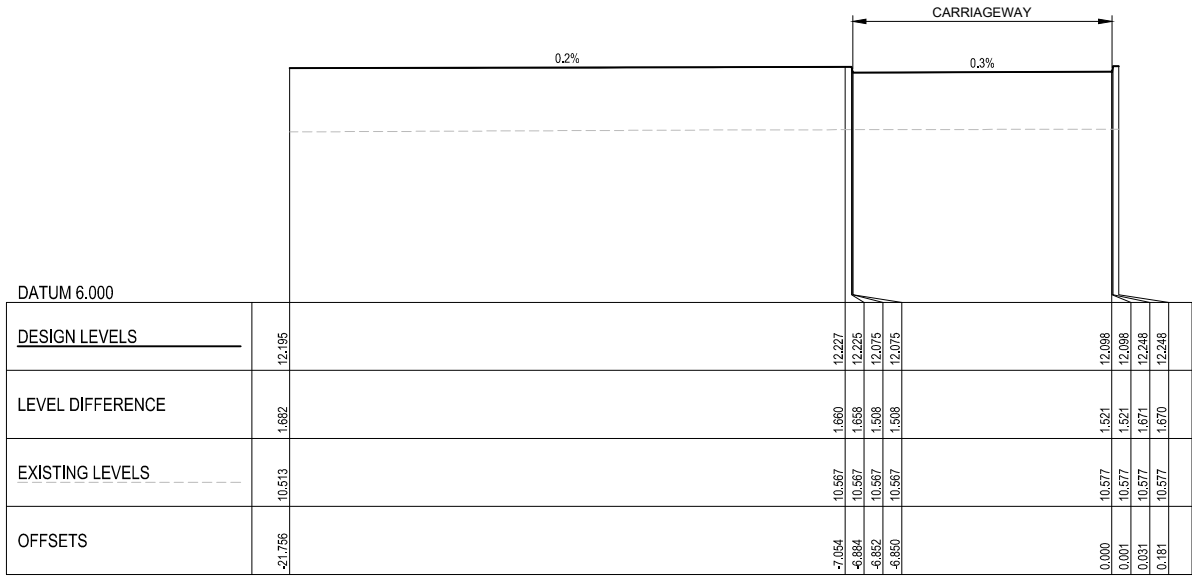
Scale at A1	Drawn		Designed		Approved		
1:100	ARW		CG		GC		
Project No	Originator	Func	Spat	Type	Role	Sheet No.	Rev
RRHS-TTW-00-00-DR-C-01301-C							
15.07.2025 5:12 PM							



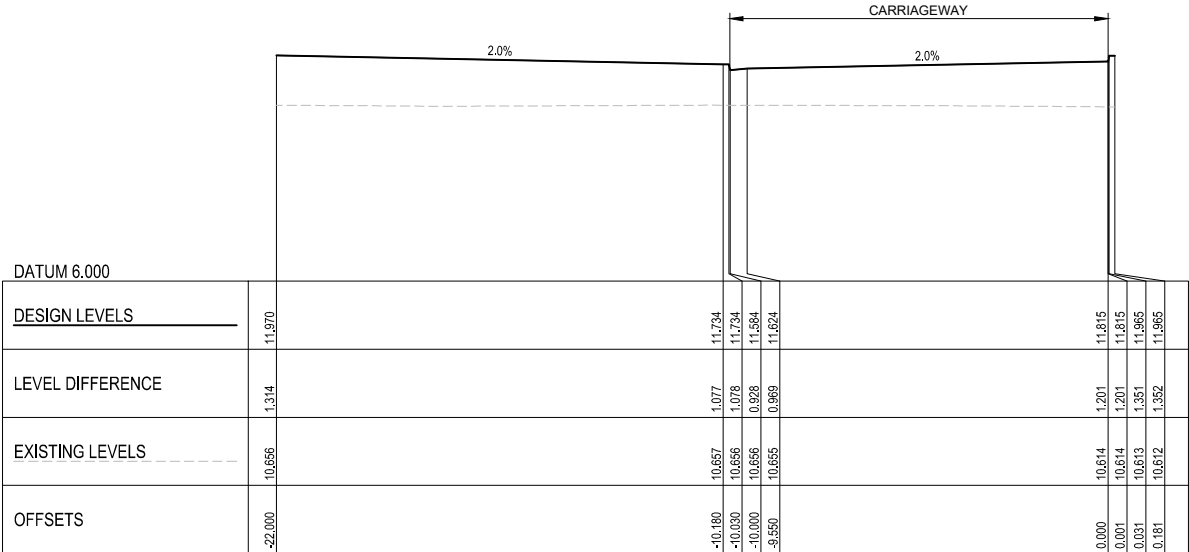
CHAINAGE 135.000



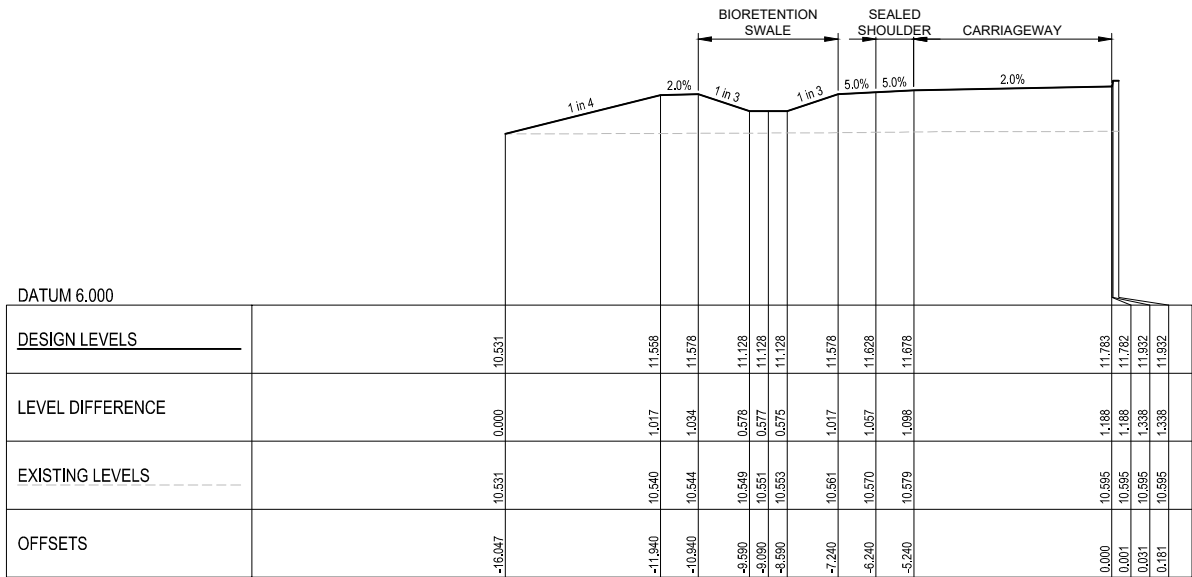
CHAINAGE 180.000



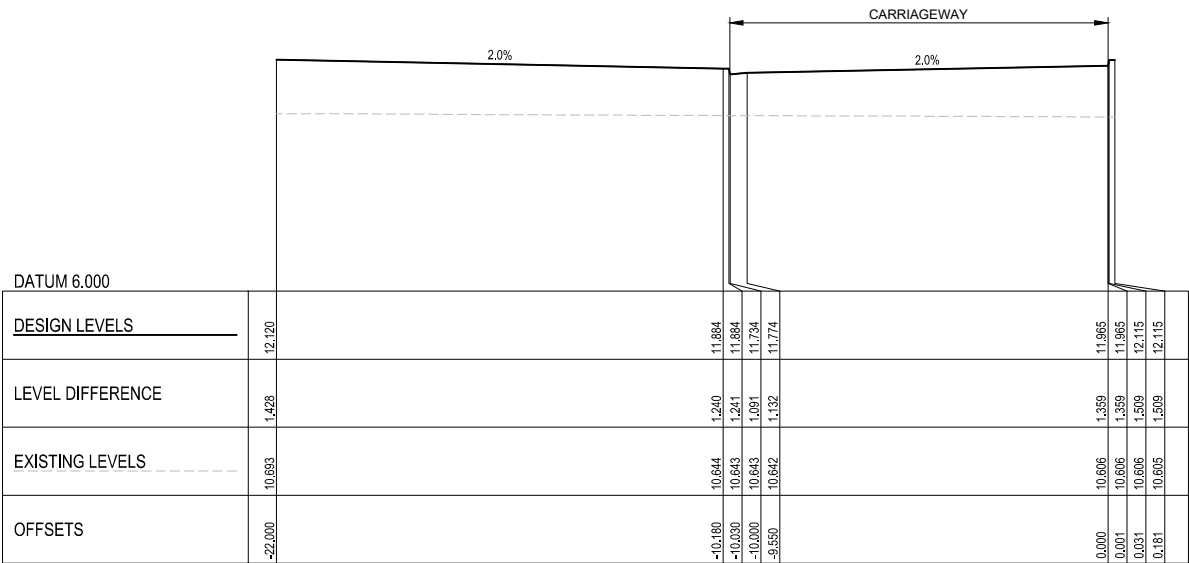
CHAINAGE 120.000



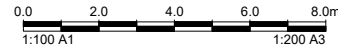
CHAINAGE 165.000



CHAINAGE 105.000



CHAINAGE 150.000



ML01 CROSS SECTIONS

NOT FOR CONSTRUCTION

									Client:			Engineer:			Project:			Drawing Title:			Scale at A1			Drawn			Designed			Approved											
												School Infrastructure NSW						RICHMOND RIVER HIGH CAMPUS LISMORE, NSW INTERNAL CIVIL WORKS			GEOMETRY ROAD CROSS SECTIONS SHEET 2			1:100			ARW			CG			GC								
C ISSUED FOR REF SUBMISSION			CG JT 15.07.2025												612 9439 7288 Level 6, 73 Miller Street, North Sydney, NSW 2060																										
B ISSUED FOR REF SUBMISSION			CG JT 20.06.2025																																						
A 100% SCHEMATIC DESIGN			CG JHH 18.12.2024																																						
Rev	Description	Eng	Draft	Date	Rev	Description	Eng	Draft	Date	Rev	Description	Eng	Draft	Date	Rev	Description	Eng	Draft	Date	Rev	Description	Eng	Draft	Date	Rev	Description	Eng	Draft	Date	Rev	Description	Eng	Draft	Date							



School Infrastructure NSW

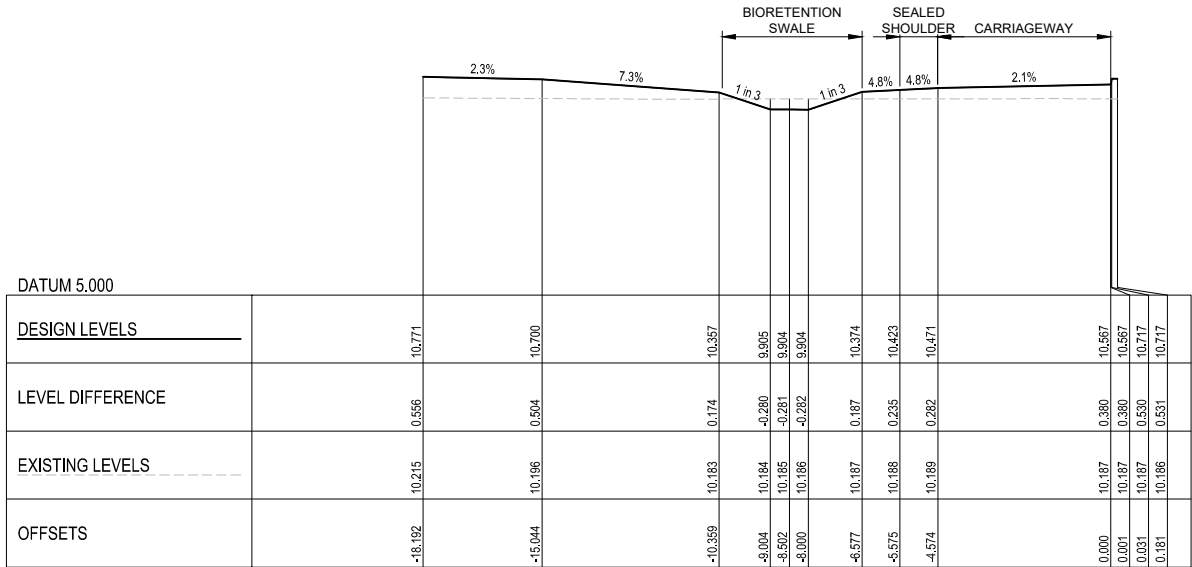


812 9439 7288 | Level 6, 73 Miller Street, North Sydney, NSW 2060

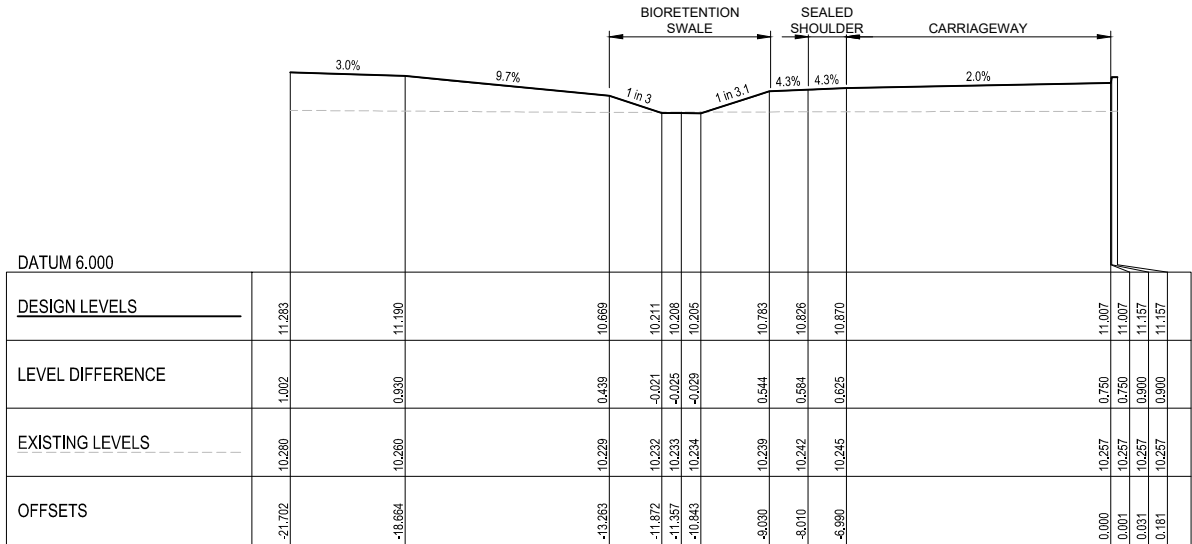


RRHS-TTW-00-00-DR-C-01302-C

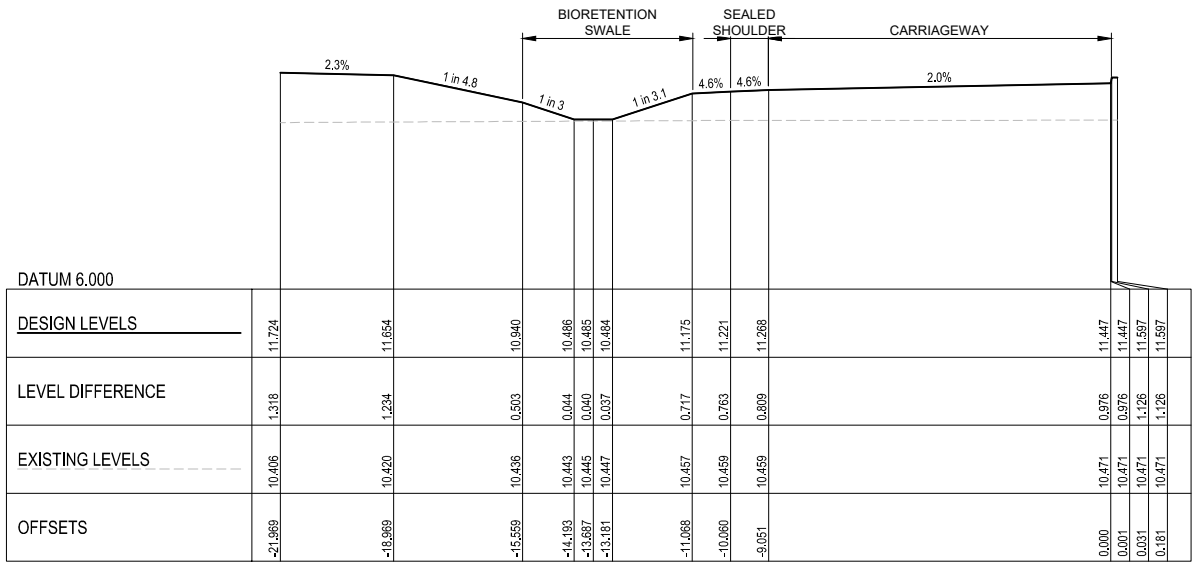
15.07.2025 5:12 PM



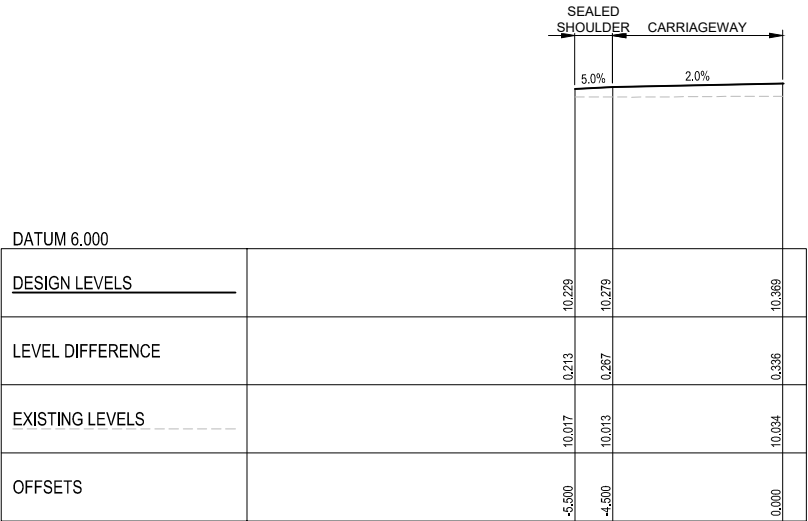
CHAINAGE 225.000



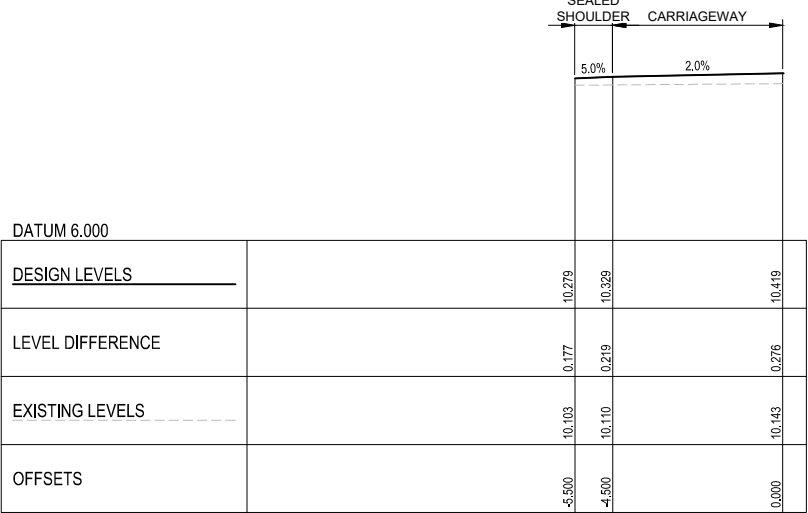
CHAINAGE 210.000



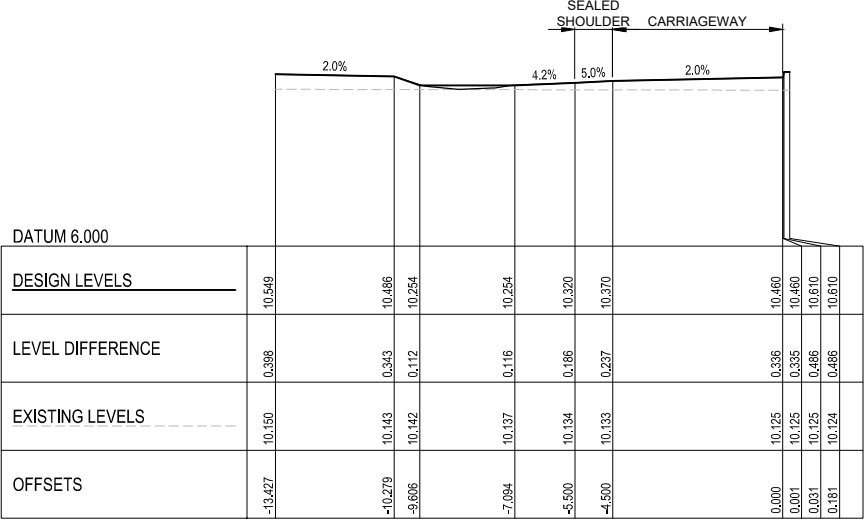
CHAINAGE 195.000



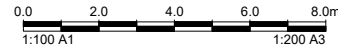
CHAINAGE 260.000



CHAINAGE 255.000



CHAINAGE 240.000



ML01 CROSS SECTIONS

NOT FOR CONSTRUCTION

									Client:			Engineer:			Project:			Drawing Title:			Scale at A1			Drawn			Designed			Approved					
												School Infrastructure NSW						RICHMOND RIVER HIGH CAMPUS LISMORE, NSW INTERNAL CIVIL WORKS			GEOMETRY ROAD CROSS SECTIONS SHEET 3			1:100			ARW			CG			GC		
C ISSUED FOR REF SUBMISSION			CG JT 15.07.2025																																
B ISSUED FOR REF SUBMISSION			CG JT 20.06.2025																																
A 100% SCHEMATIC DESIGN			CG JHH 18.12.2024																																
Rev	Description	Eng	Draft	Date	Rev	Description	Eng	Draft	Date	Rev	Description	Eng	Draft	Date	Rev	Description	Eng	Draft	Date	Rev	Description	Eng	Draft	Date	Rev	Description	Eng	Draft	Date	Rev	Description	Eng	Draft	Date	
RRHS-TTW-00-00-DR-C-01303-C																																			
15.07.2025 5:13 PM																																			



School Infrastructure NSW



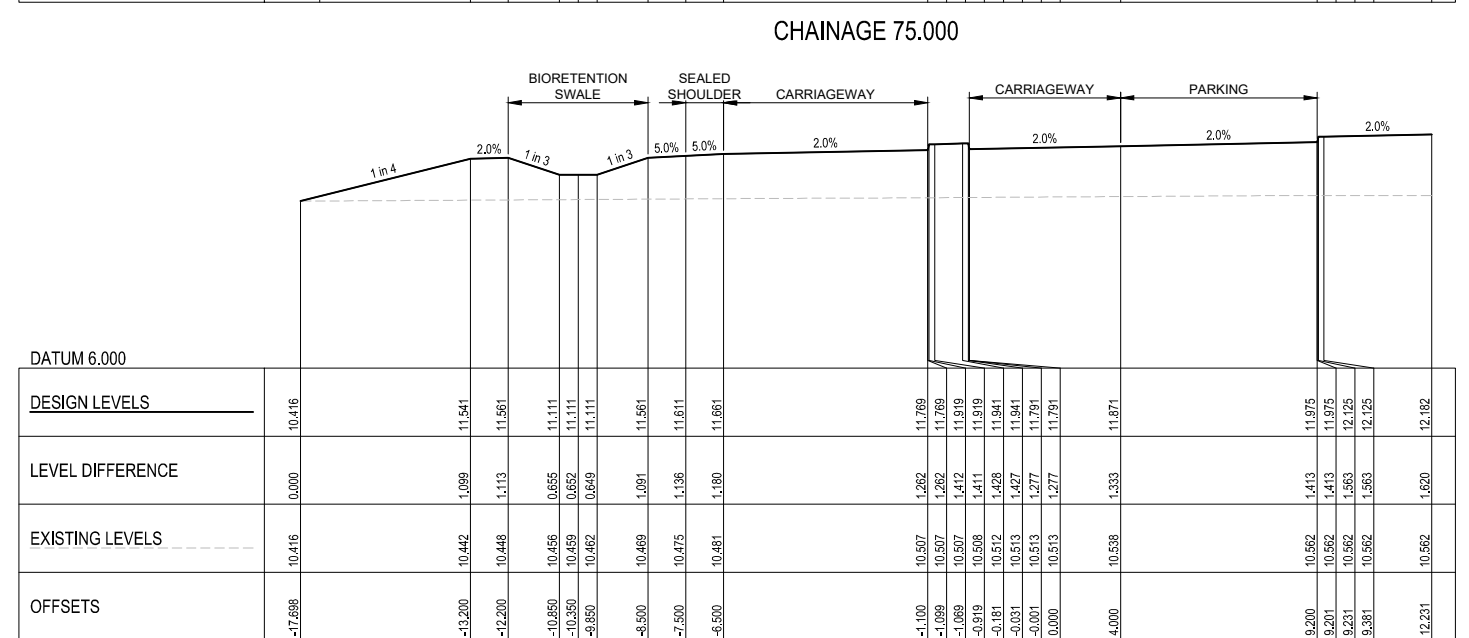
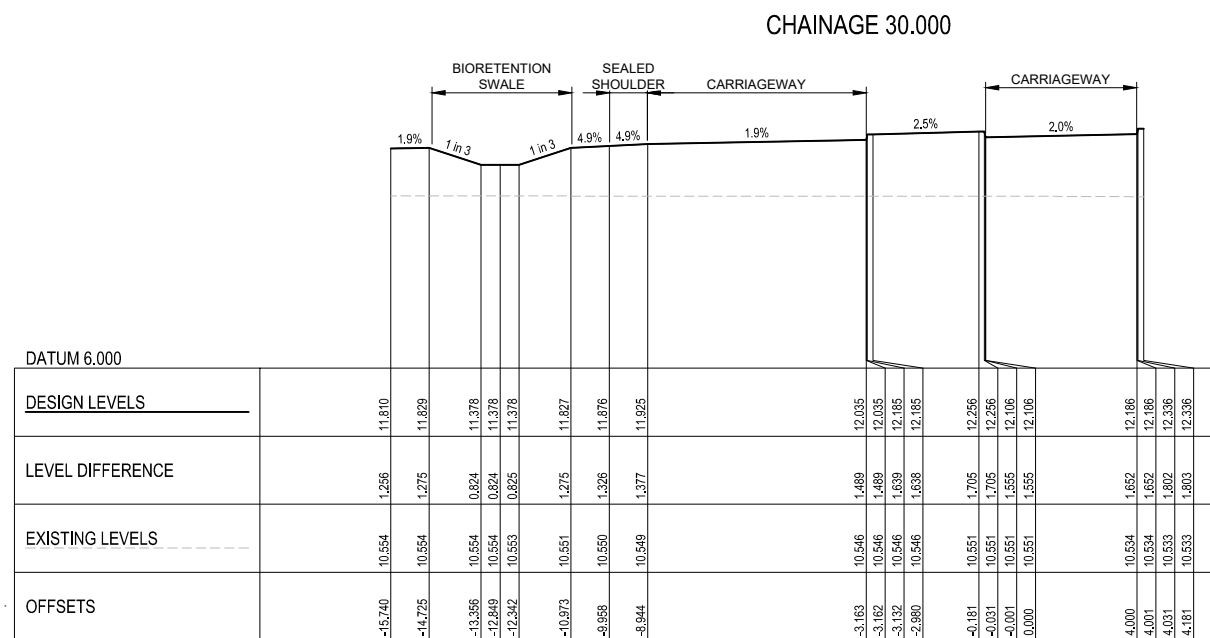
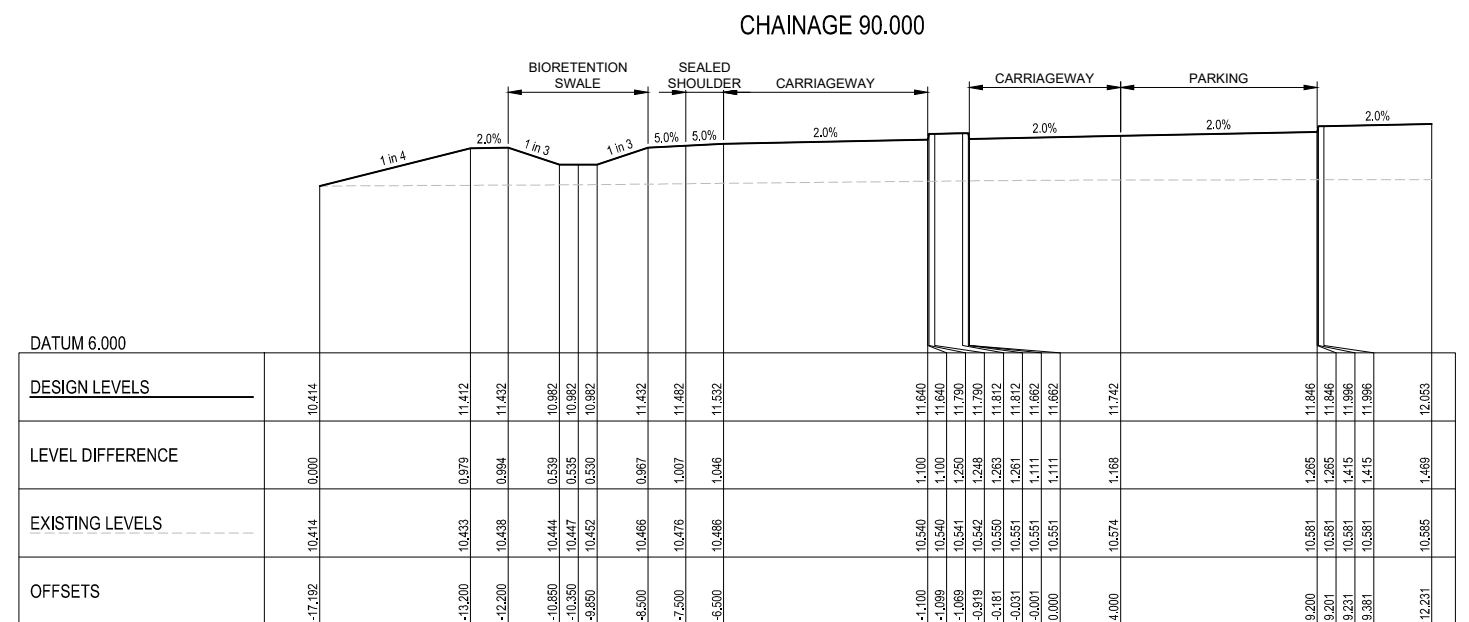
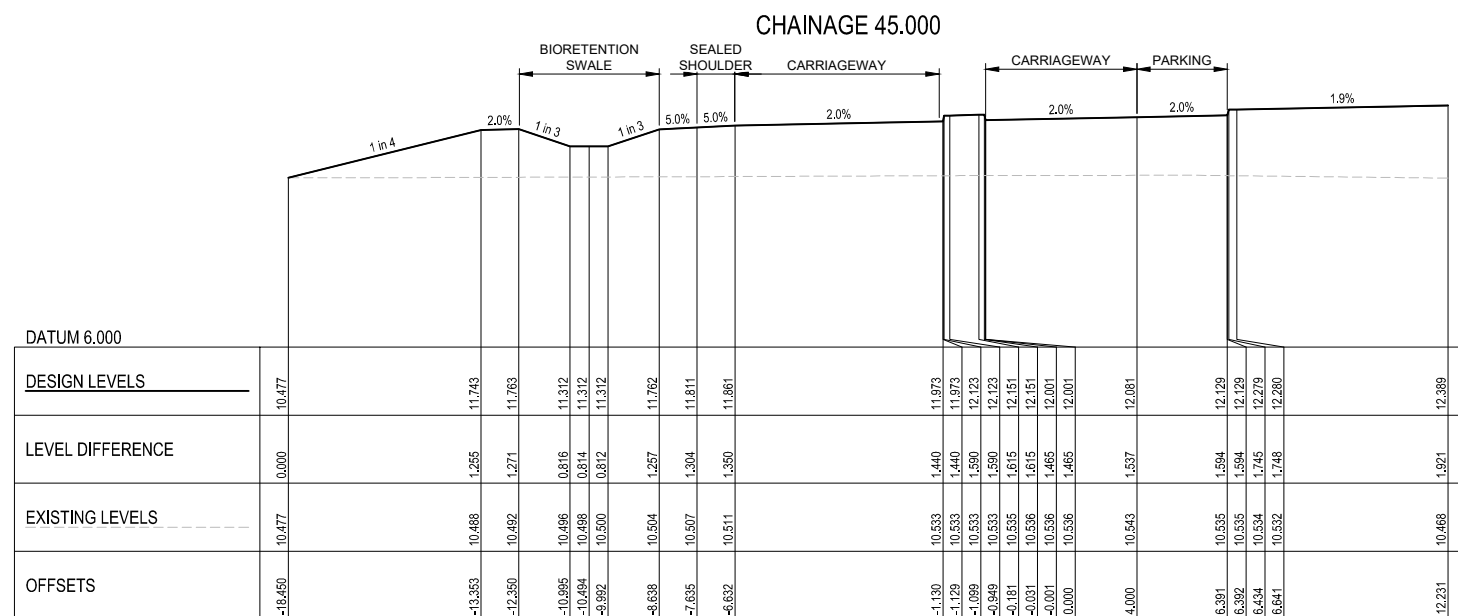
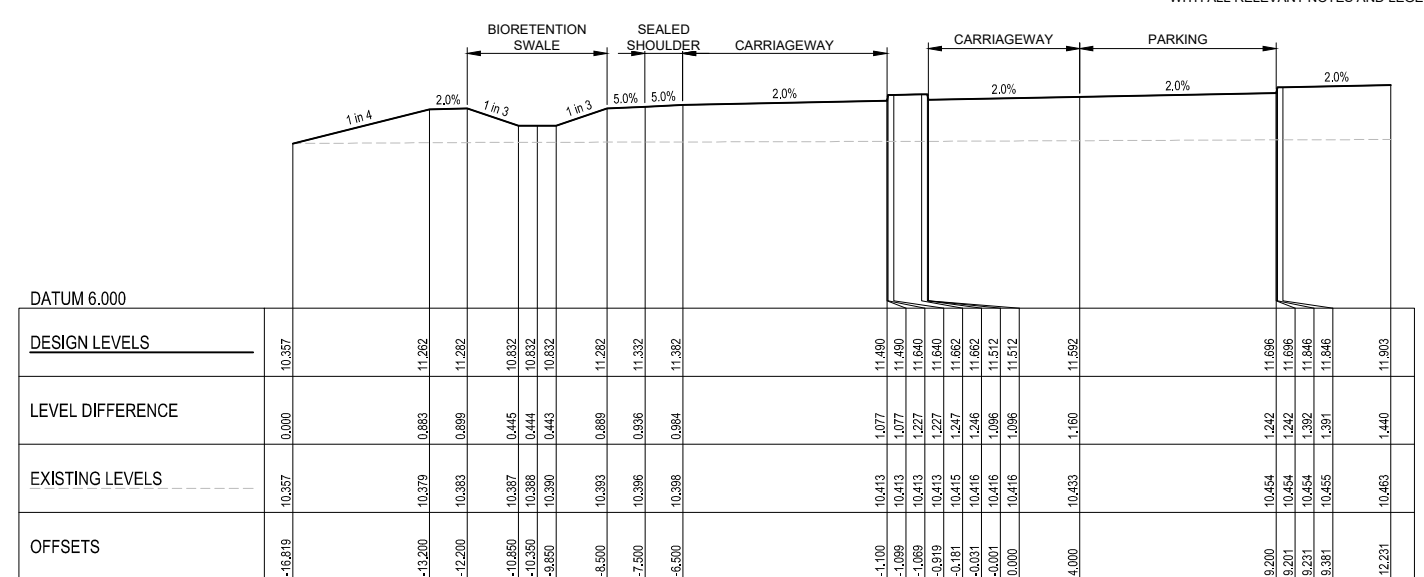
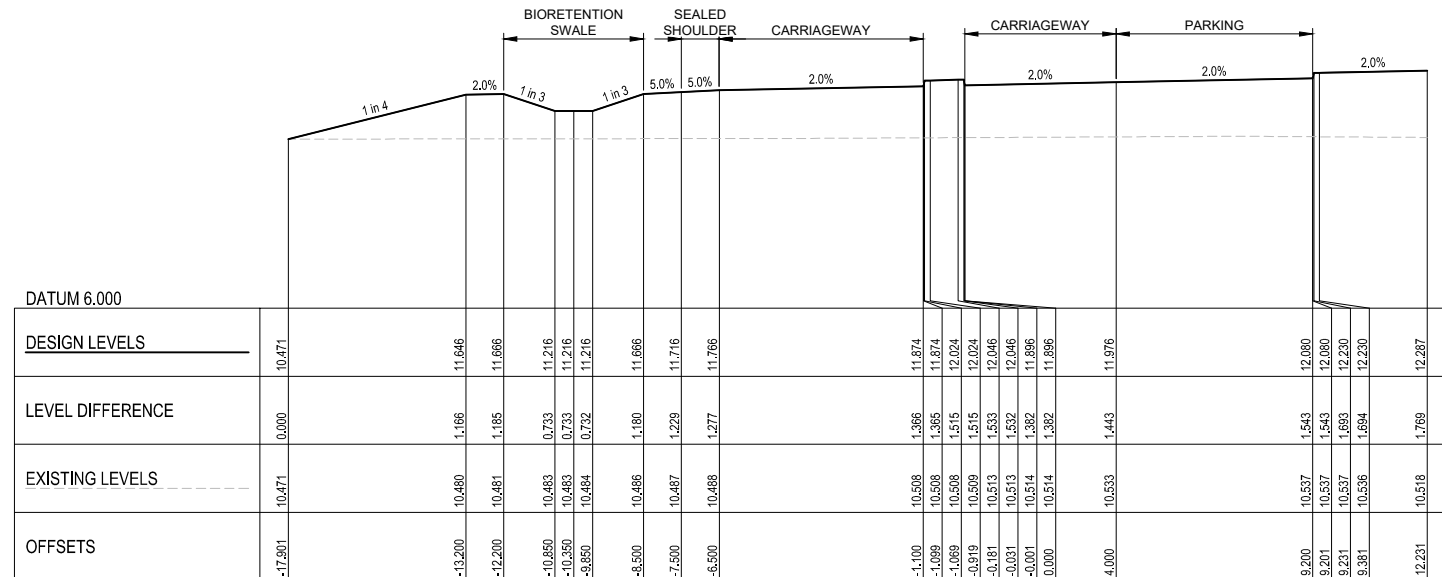
812 9439 7288 | Level 6, 73 Miller Street, North Sydney, NSW 2060



RRHS-TTW-00-00-DR-C-01303-C

15.07.2025 5:13 PM

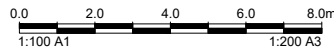
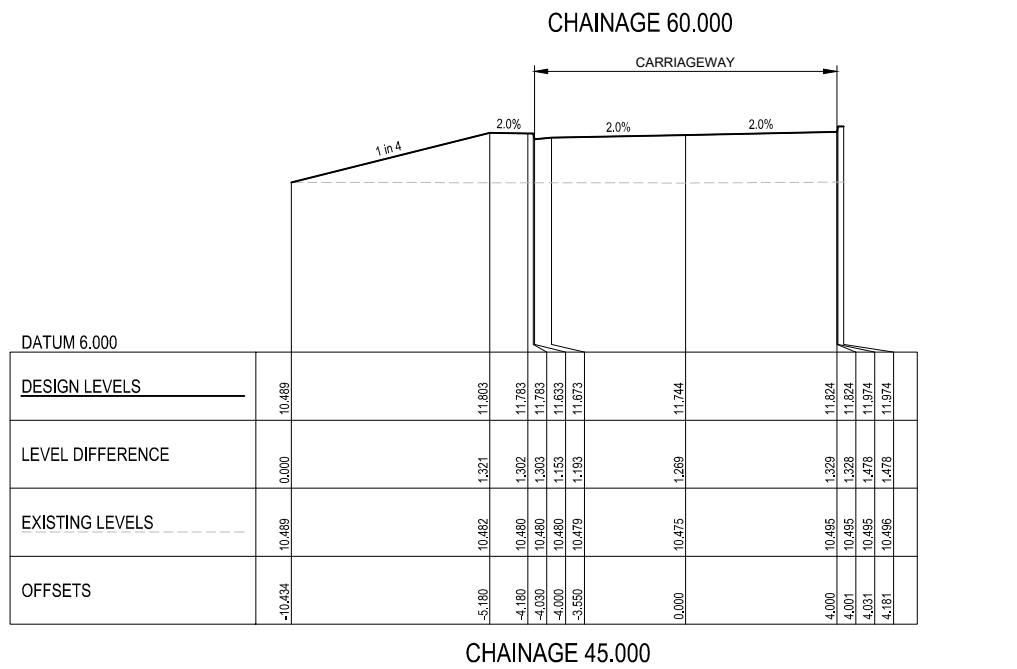
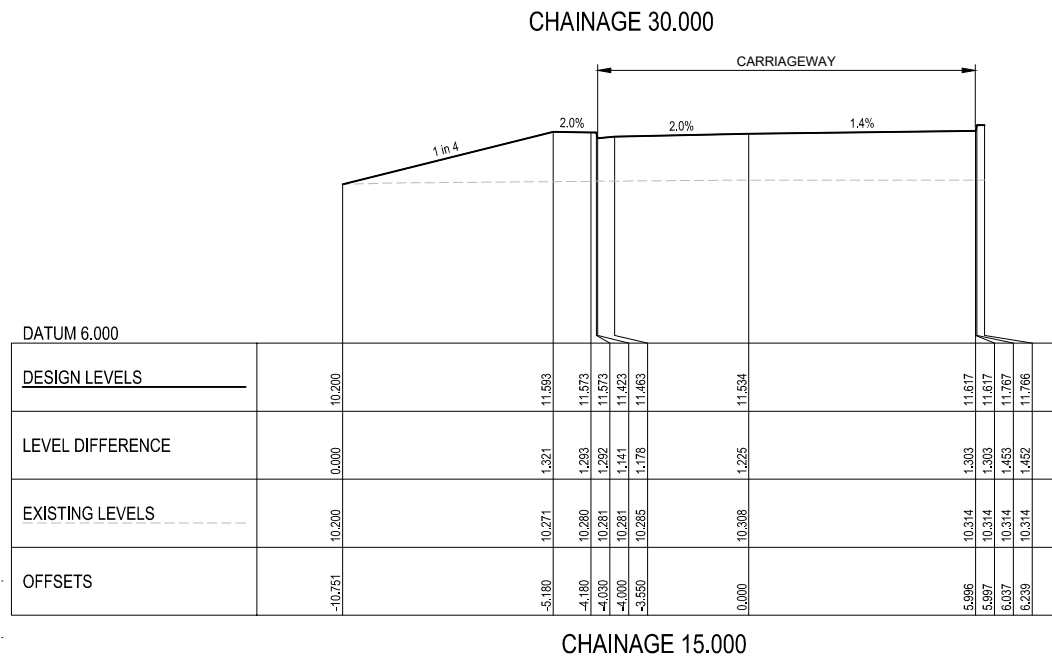
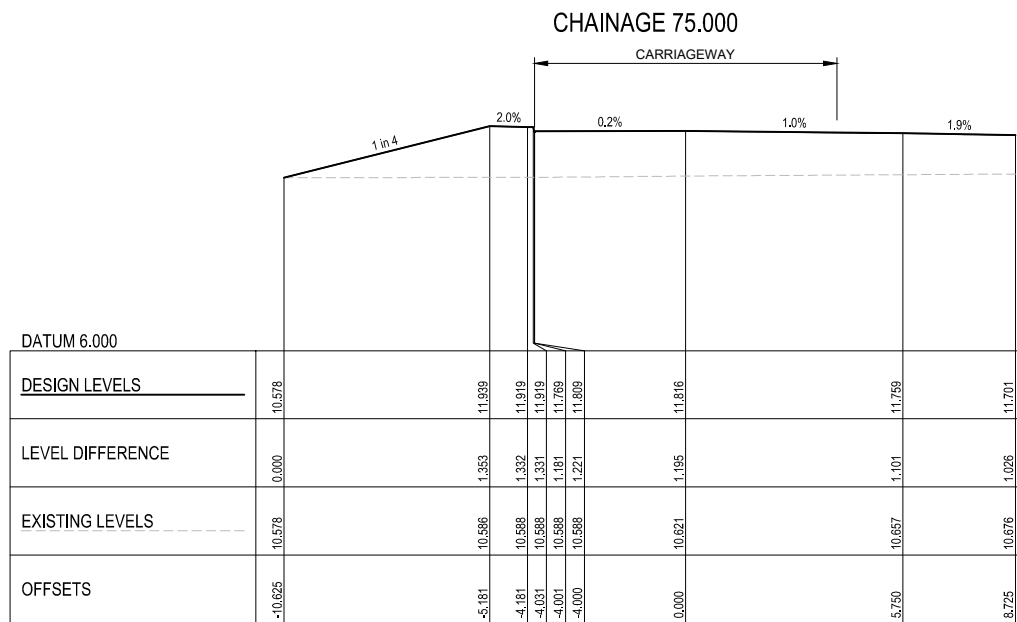
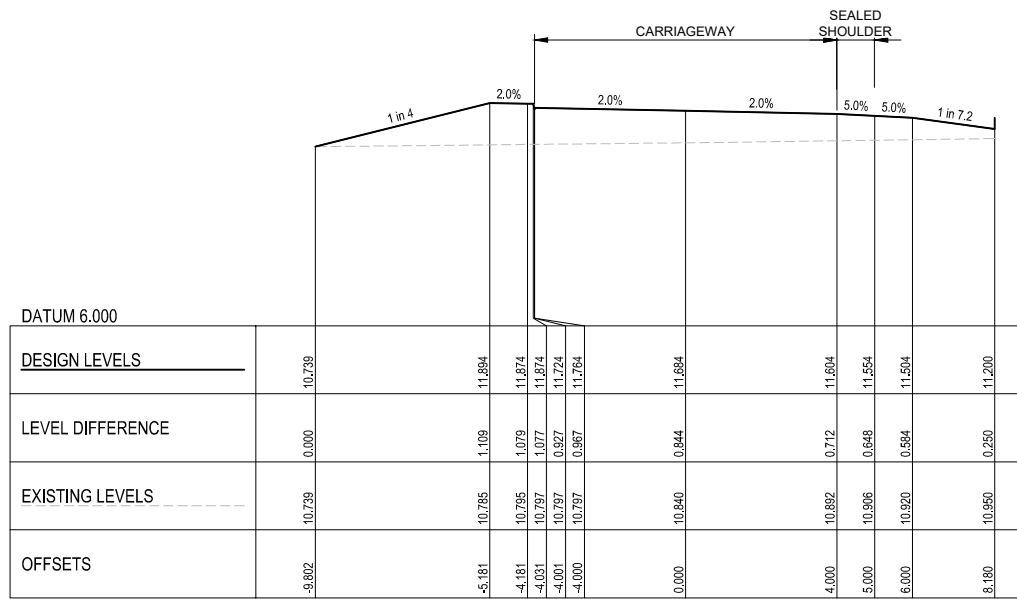
This drawing is copyright and is the property of TTW
and must not be used without authorisation.
THIS DRAWING IS TO BE READ IN CONJUNCTION
WITH ALL RELEVANT NOTES AND LEGENDS



ML02 CROSS SECTIONS

NOT FOR CONSTRUCTION

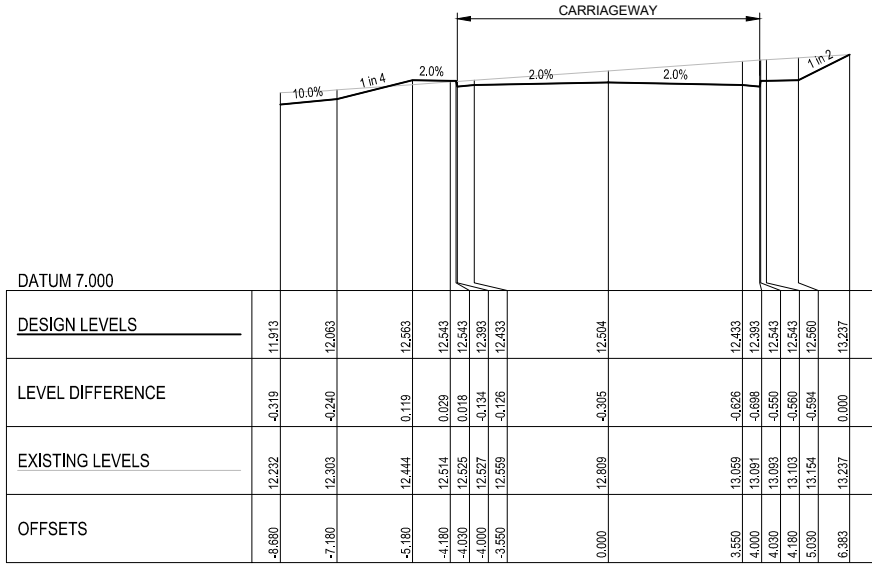
[illegible]



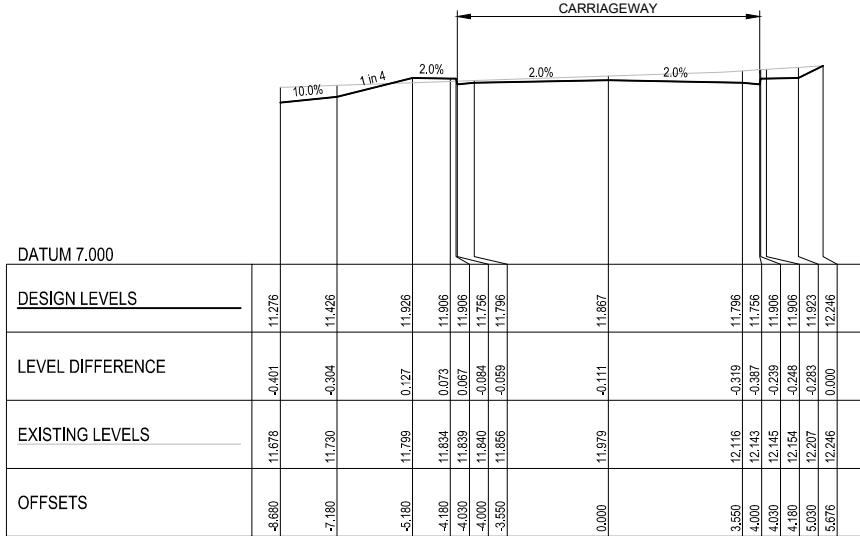
ML03 CROSS SECTIONS

NOT FOR CONSTRUCTION

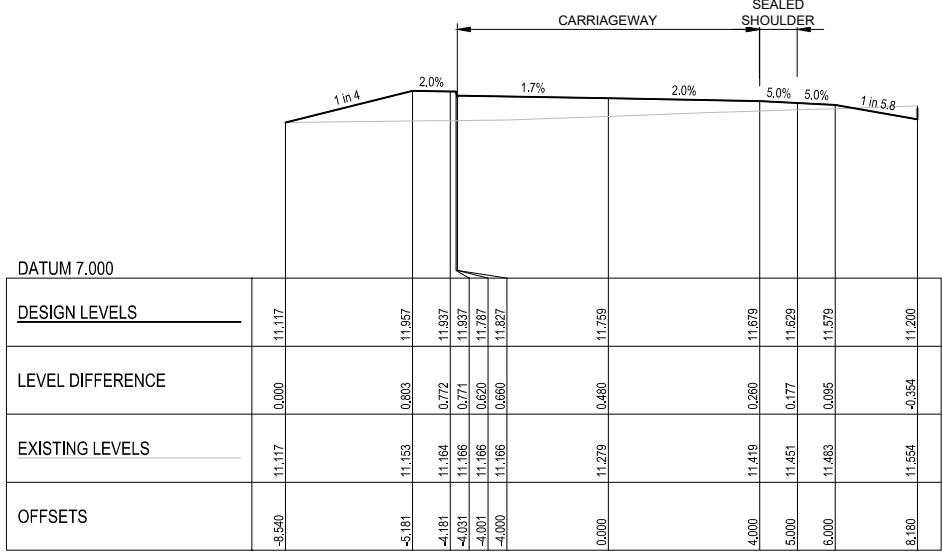
[illegible]



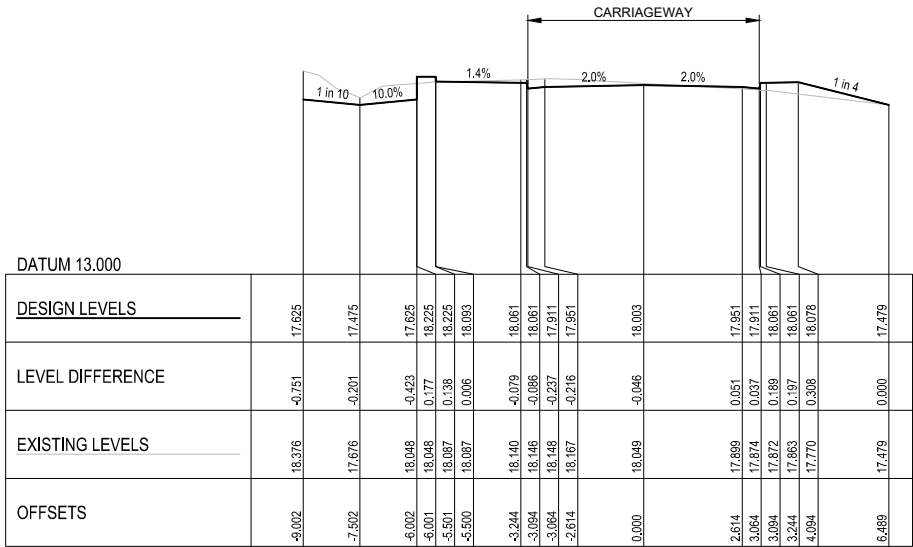
CHAINAGE 120.000



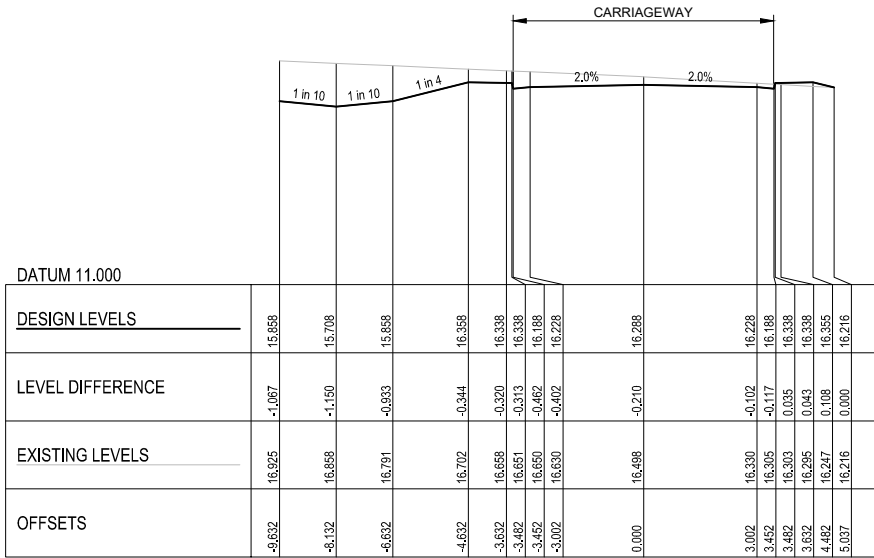
CHAINAGE 105.000



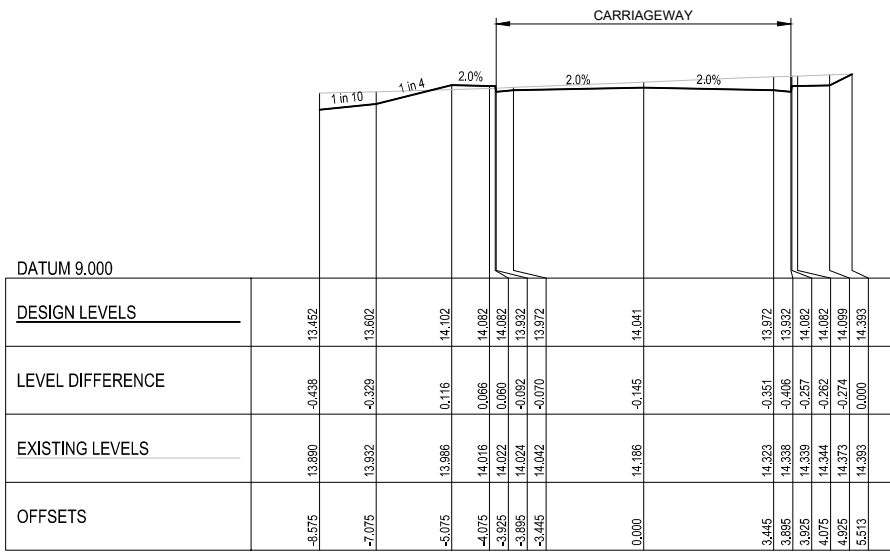
CHAINAGE 90.000



CHAINAGE 165.000



CHAINAGE 150.000



CHAINAGE 135.000

ML03 CROSS SECTIONS

NOT FOR CONSTRUCTION

			Client:			Engineer:			Project:			Drawing Title:			Scale at A1			Drawn			Designed			Approved		
									RICHMOND RIVER			GEOMETRY			1:100			ARW			CG			GC		
C ISSUED FOR REF SUBMISSION CG JT 15.07.2025									HIGH CAMPUS			ROAD CROSS SECTIONS			Project No			Originator			Func			Spat		
B ISSUED FOR REF SUBMISSION CG JT 20.06.2025									LISMORE, NSW			SHEET 6			Role			Sheet No.			Rev					
A 100% SCHEMATIC DESIGN CG JHH 18.12.2024									INTERNAL CIVIL WORKS																	
Rev	Description	Eng	Draft	Date	Rev	Description	Eng	Draft	Date	Rev	Description	Eng	Draft	Date	Rev	Description	Eng	Draft	Date	Rev	Description	Eng	Draft	Date	Rev	Description



School Infrastructure NSW

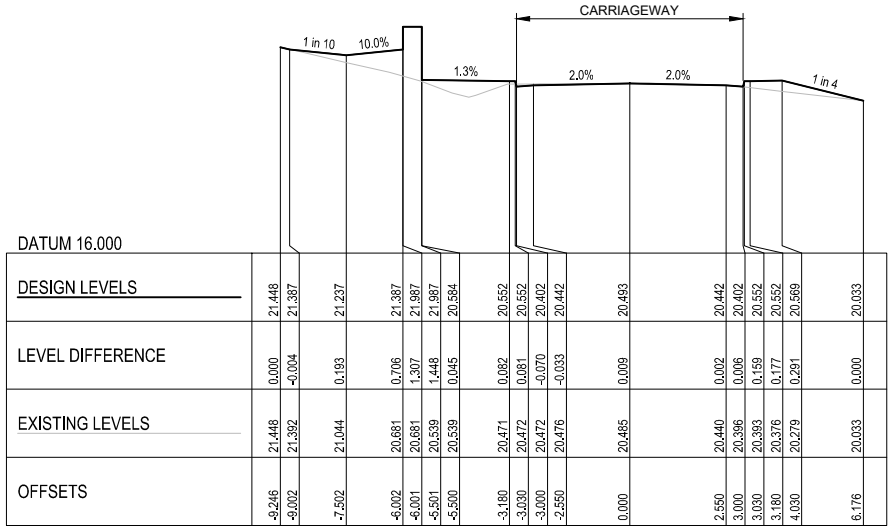


912 9439 7288 | Level 6, 73 Miller Street, North Sydney, NSW 2060

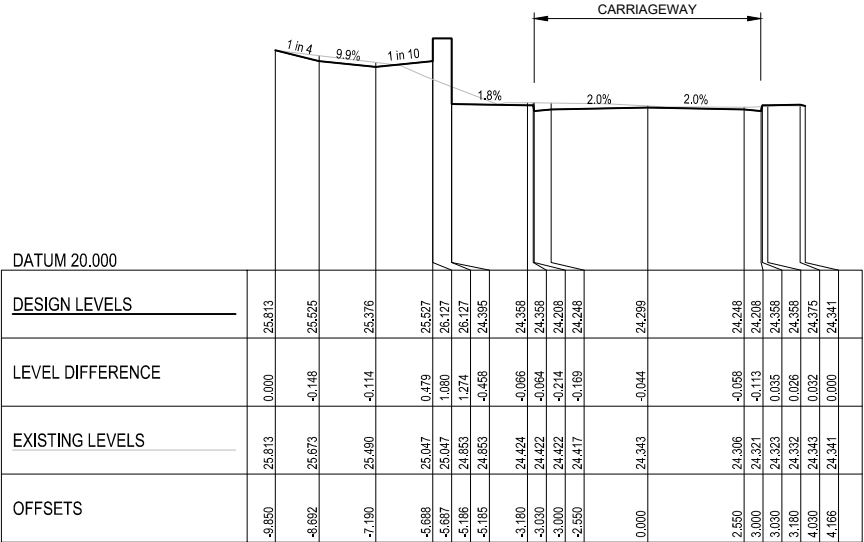


RRHS-TTW-00-00-DR-C-01306-C

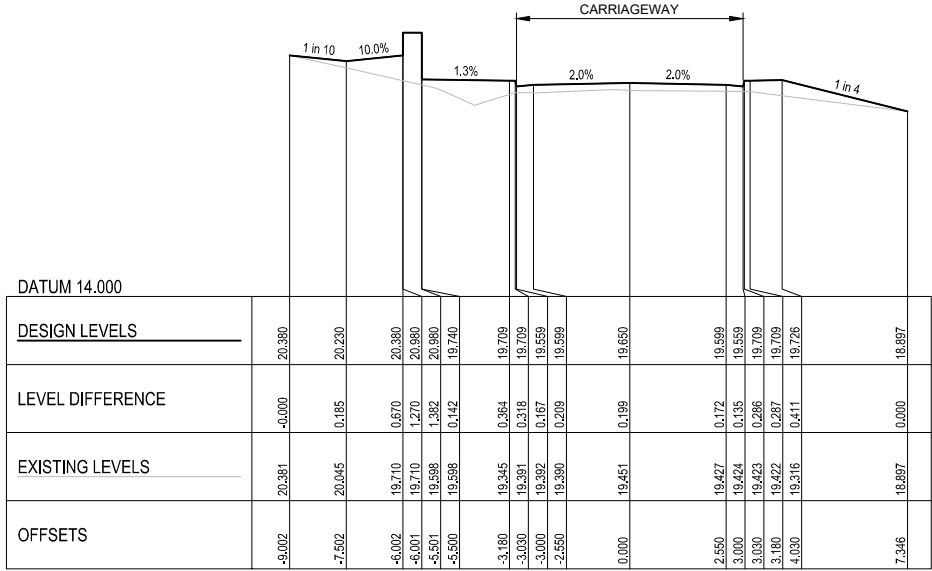
15.07.2025 5:13 PM



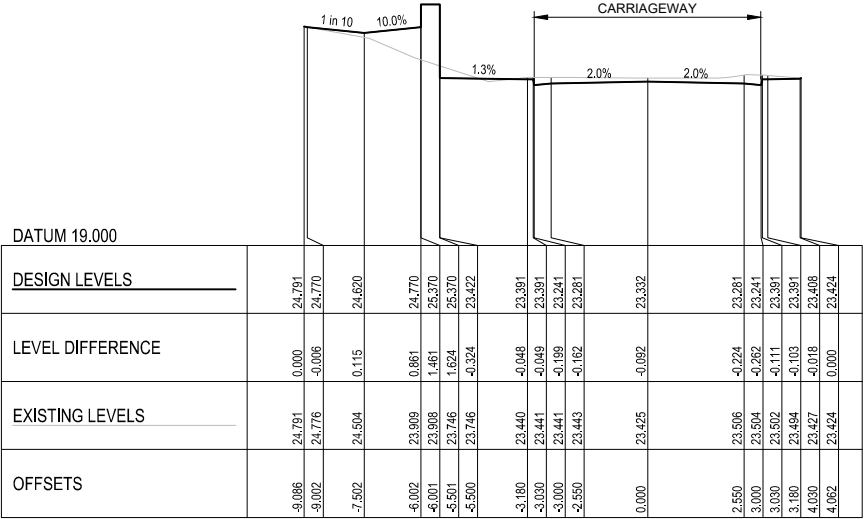
CHAINAGE 210.000



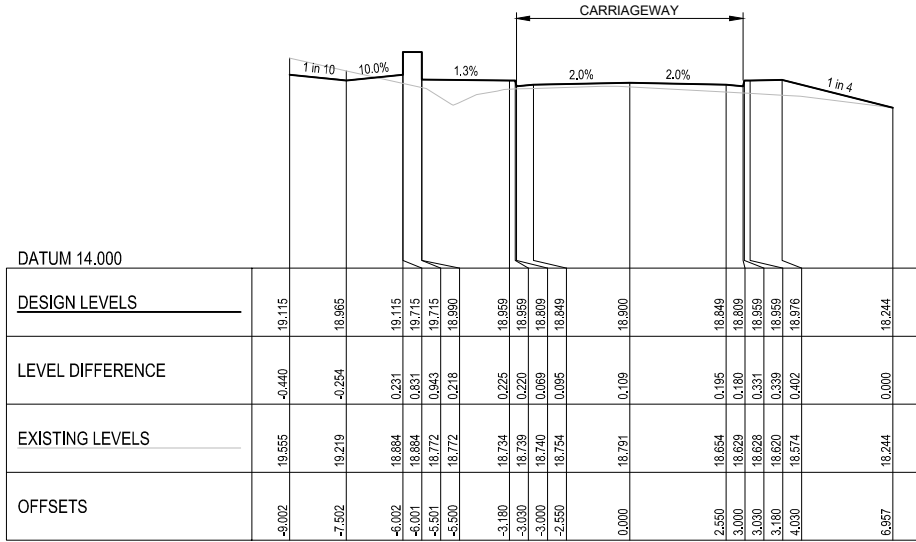
CHAINAGE 255.000



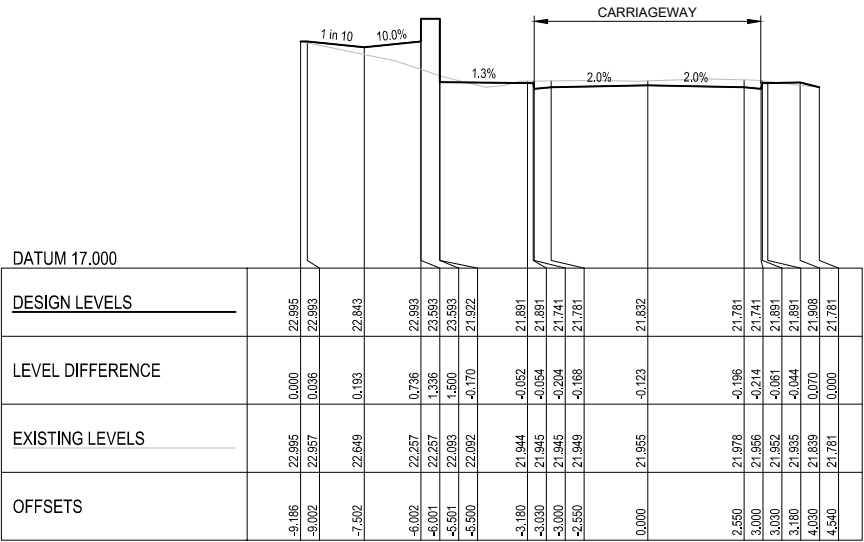
CHAINAGE 195.000



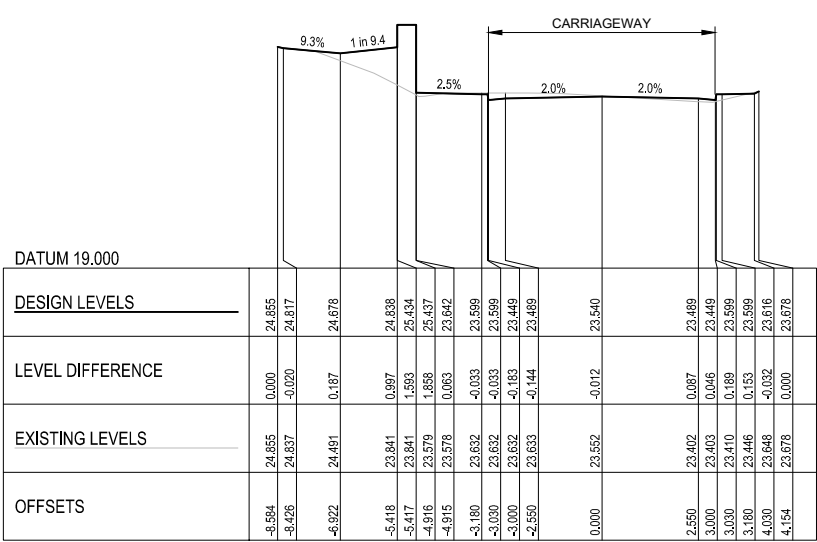
CHAINAGE 240.000



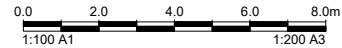
CHAINAGE 180.000



CHAINAGE 225.000

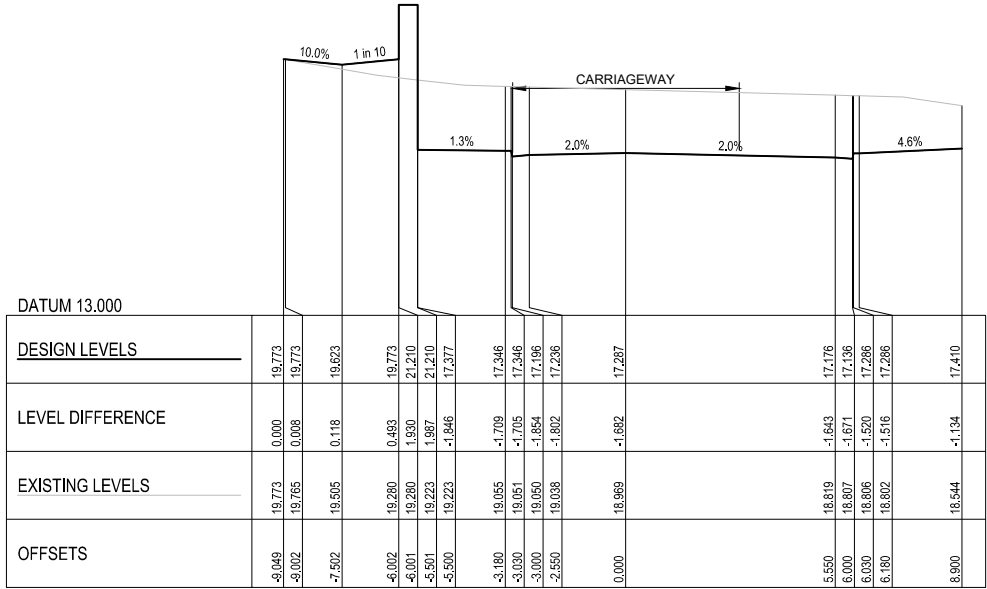


CHAINAGE 270.000

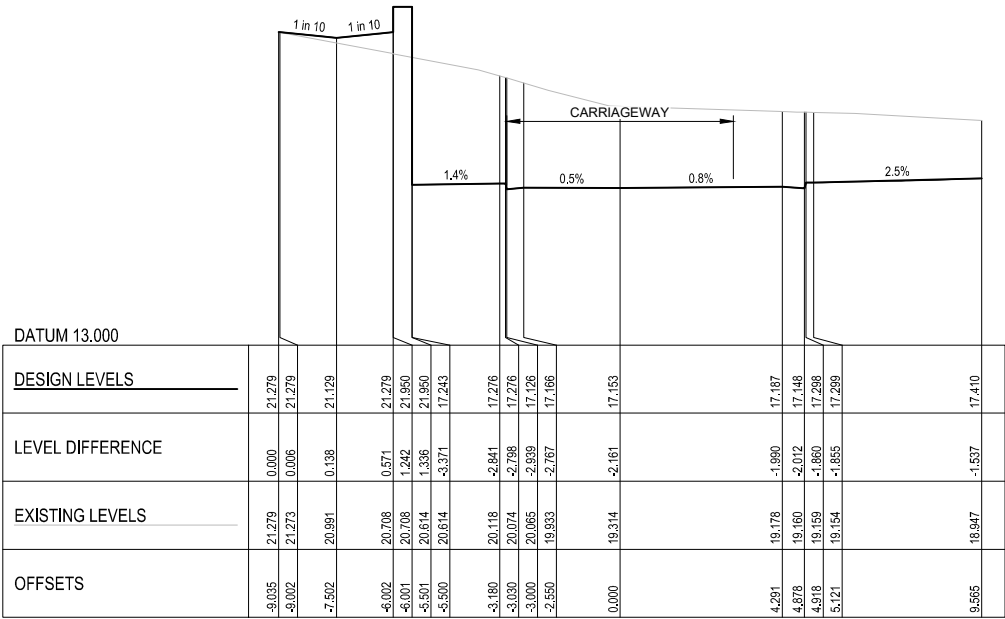


ML03 CROSS SECTIONS

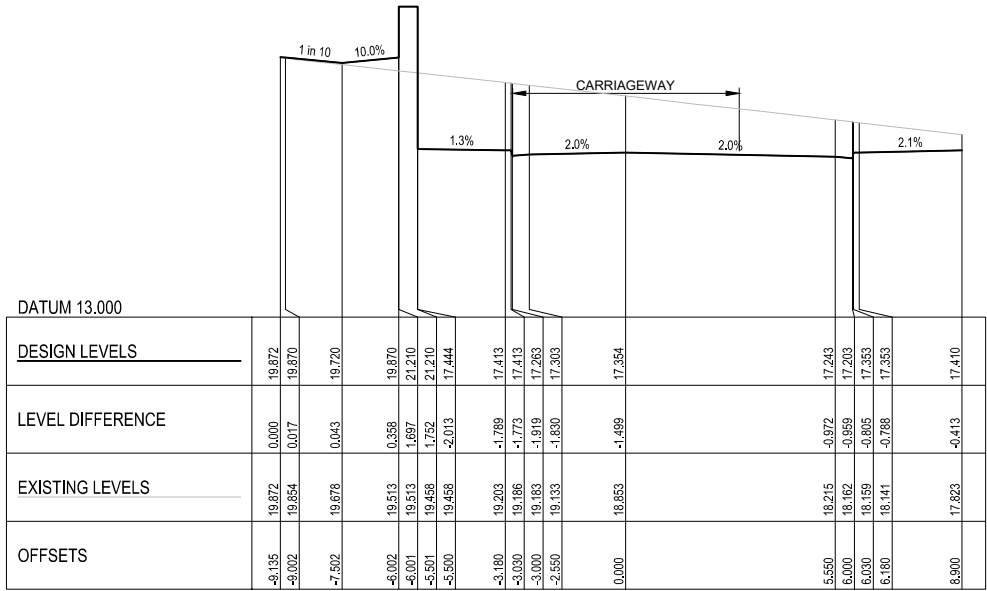
						Client:						Engineer:						Project:						Drawing Title:						Scale at A1		Drawn		Designed		Approved													
																								RICHMOND RIVER						GEOMETRY						1:100		ARW		CG		GC							
C ISSUED FOR REF SUBMISSION CG JT 15.07.2025												School Infrastructure NSW						Structural Civil Traffic Façade						HIGH CAMPUS						ROAD CROSS SECTIONS						Project No		Originator		Func		Spat		Role		Sheet No.		Rev	
B ISSUED FOR REF SUBMISSION CG JT 20.06.2025																								LISMORE, NSW						SHEET 7						RRHS-TTW-00-00-DR-C-01307-C													
A 100% SCHEMATIC DESIGN CG JHH 18.12.2024																		612 9439 7288 Level 6, 73 Miller Street, North Sydney, NSW 2060						INTERNAL CIVIL WORKS												15.07.2025		5:13 PM											
Rev		Description		Eng Draft		Date		Rev		Description		Eng Draft		Date		Rev		Description		Eng Draft		Date																											



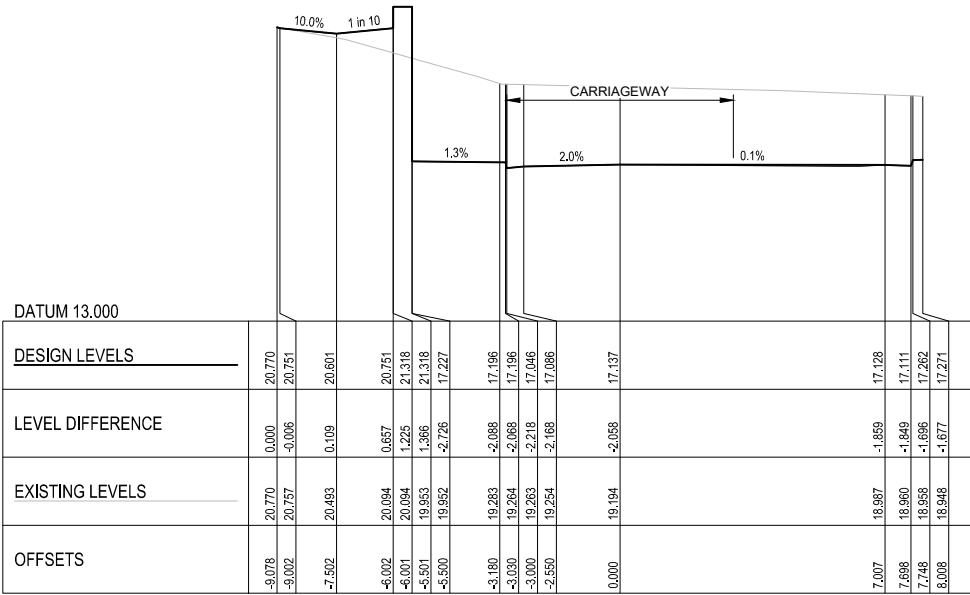
CHAINAGE 375.000



CHAINAGE 405.000



CHAINAGE 360.000



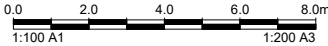
CHAINAGE 390.000

ML03 CROSS SECTIONS

NOT FOR CONSTRUCTION

			Client:			Engineer:			Project:			Drawing Title:			Scale at A1			Drawn			Designed			Approved		
									RICHMOND RIVER			GEOMETRY			1:100			ARW			CG			GC		
C ISSUED FOR REF SUBMISSION CG JT 15.07.2025									HIGH CAMPUS			ROAD CROSS SECTIONS			Project No			Originator			Func			Spat		
B ISSUED FOR REF SUBMISSION CG JT 20.06.2025									LISMORE, NSW			SHEET 9			RRHS-TTW-00-00-DR-C-01309-C			Rev			Role			Sheet No.		
A 100% SCHEMATIC DESIGN CG JHH 18.12.2024									INTERNAL CIVIL WORKS						15.07.2025						5:14 PM					
Rev	Description	Eng Draft	Date	Rev	Description	Eng Draft	Date	Rev	Description	Eng Draft	Date															

Z:\pos\23\231563\civil\sheets\0\0231563-TTW-00-DR-C-01309.dwg





School Infrastructure NSW



812 9439 7288 | Level 6, 73 Miller Street, North Sydney, NSW 2060



Structural
Civil
Traffic
Façade

Project: RICHMOND RIVER
HIGH CAMPUS
LISMORE, NSW
INTERNAL CIVIL WORKS

Drawing Title:
GEOMETRY
ROAD CROSS SECTIONS
SHEET 9

Scale at A1
1:100

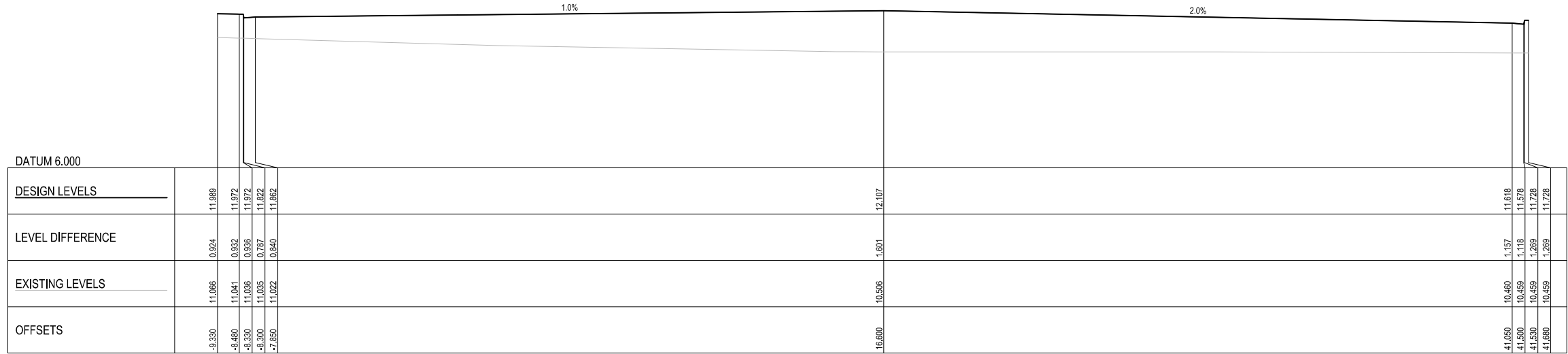
Drawn
ARW

Designed
CG

Approved
GC

Project No
RRHS-TTW-00-00-DR-C-01309-C

15.07.2025 5:14 PM



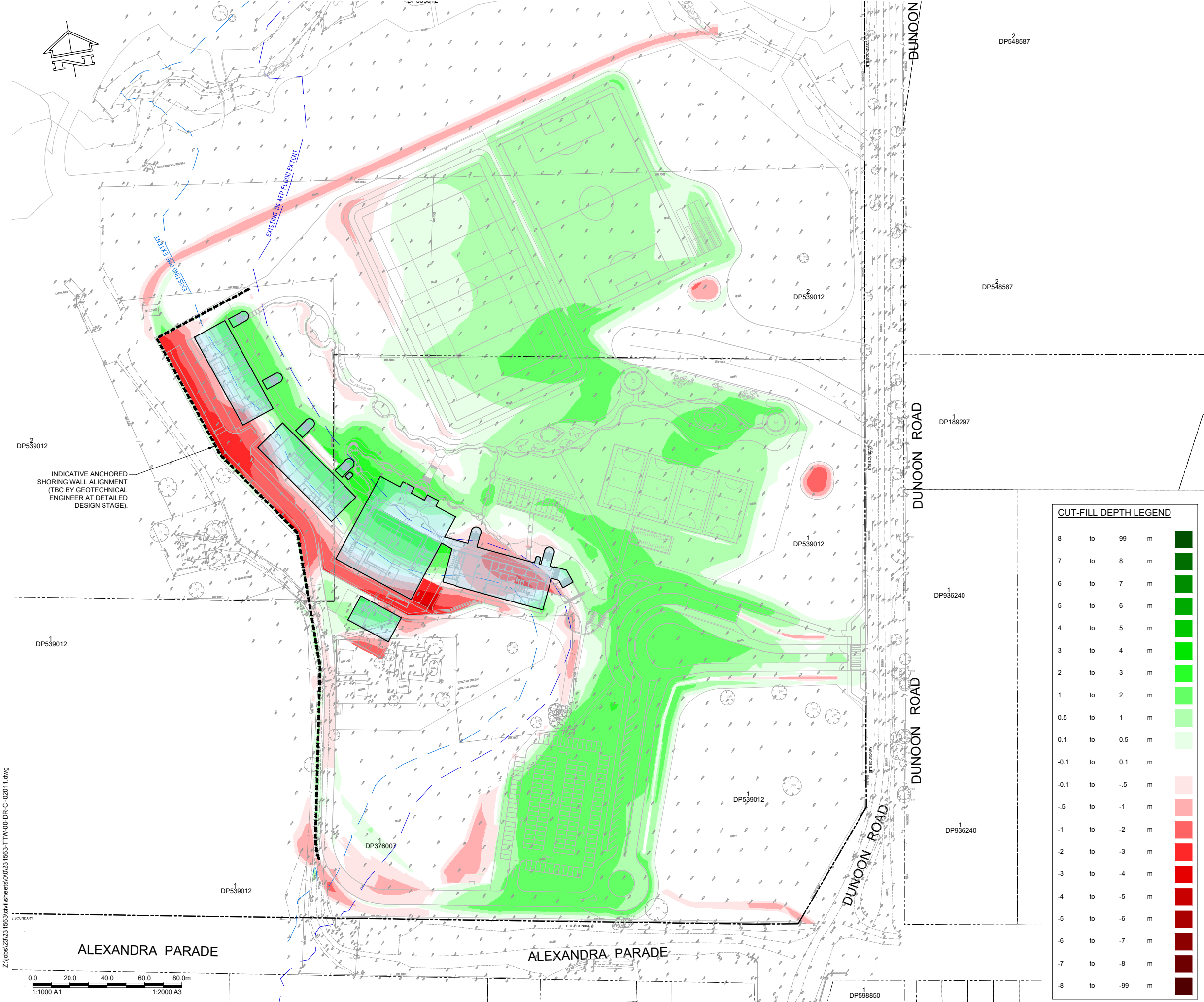
NOT FOR CONSTRUCTION

[illegible]



NOT FOR CONSTRUCTION

Figure 1 is a horizontal bar chart showing the distribution of the number of specimens (n) for different specimen types (A1, A2, A3) across different specimen lengths (0.0, 2.0, 4.0, 6.0, 8.0m). The chart is divided into two sections: 1:100 A1 and 1:200 A3. The 1:100 A1 section shows a distribution of specimen lengths, while the 1:200 A3 section shows a distribution of specimen lengths. The total number of specimens is 100 for 1:100 A1 and 200 for 1:200 A3.



This drawing is copyright and is the property of TTW and must not be used without authorisation. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT NOTES AND LEGENDS

- NOTES:
1. EARTHWORKS DEPTHS AND VOLUMES SHOWN ON THIS PLAN ARE SUBJECT TO CHANGE AT DETAILED DESIGN STAGE.
 2. EARTHWORKS DEPTHS SHOWN FROM AVAILABLE SURVEY LEVELS.
 3. TOPSOIL REMOVAL NOT ASSUMED 300mm THICKNESS FOR ALL SITE AREAS.
 4. ASSUMED 450mm SETDOWN FOR ALL PROPOSED ROAD, 340mm SETDOWN FOR CARPARK AND 300mm FOR ALL OTHER AREAS.
 5. ROCK EXCAVATION CALCULATIONS NOT INCLUDED IN THIS ANALYSIS.
 6. CONTRACTOR TO UNDERTAKE THEIR OWN VERIFICATION OF CUT FILL VOLUMES.
 7. DETAILED EXCAVATIONS WORKS, SUCH AS FOOTPATHS, SWALES, SERVICE TRENCHES, PILES, GROUND BEAMS, LIFT PITS, LANDSCAPING ETC. ARE EXCLUDED FROM THESE ESTIMATIONS.
 8. REQUIREMENTS FOR ANY BUILDING PILING NOT CONSIDERED FOR IS THIS ASSESSMENT.
 9. RETAINING WALLS AND EARTHWORK DETAILS (INCL. BATTERS) ARE TBC BY GEOTECHNICAL ENGINEER. LOCATION AND HEIGHTS SUBJECT TO GEOTECHNICAL ENGINEER ADVICE.
 10. ADDITIONAL REMOVAL OF SLIP MATERIAL WITHIN SITE EXTENT NOT INLCUED IN BULK EARTHWORKS VOLUME ESTIMATES.

EARTHWORKS VOLUME ESTIMATES (m³)

TOTAL CUT	TOTAL FILL	TOTAL BALANCE
-11,200	54,600	43,400 FILL

CUT-FILL DEPTH LEGEND

8	to	99	m	
7	to	8	m	
6	to	7	m	
5	to	6	m	
4	to	5	m	
3	to	4	m	
2	to	3	m	
1	to	2	m	
0.5	to	1	m	
0.1	to	0.5	m	
-0.1	to	0.1	m	
-0.1	to	-5	m	
-5	to	-1	m	
-1	to	-2	m	
-2	to	-3	m	
-3	to	-4	m	
-4	to	-5	m	
-5	to	-6	m	
-6	to	-7	m	
-7	to	-8	m	
-8	to	-99	m	

LEGEND

INDICATIVE ANCHORED SHORING WALL ALIGNMENT (TBC BY GEOTECHNICAL ENGINEER).

NOT FOR CONSTRUCTION

F	ISSUED FOR REF SUBMISSION	CG	JT	20.06.2025					
E	PRELIMINARY CONCEPT	CG	JHH	28.02.2025					
D	100% SCHEMATIC DESIGN	CG	JHH	18.12.2024					
C	50%+ SCHEMATIC DESIGN	CG	JHH	06.12.2024					
B	50% SCHEMATIC DESIGN	CG	ES	15.11.2024	H	ISSUED FOR REF SUBMISSION	CG JT 15.07.2025		
A	PRELIMINARY ISSUE	CJG	CJG	17.09.2024	G	ISSUED FOR REF SUBMISSION	CG JT 30.06.2025		
Rev	Description	Eng	Draft	Date	Rev	Description	Eng	Draft	Date

Client: School Infrastructure NSW

Engineer: Structural Civil Traffic Façade
912 9439 7288 | Level 6, 73 Miller Street, North Sydney, NSW 2060

Project: RICHMOND RIVER
HIGH CAMPUS
LISMORE, NSW
INTERNAL CIVIL WORKS

Drawing Title:
EARTHWORKS
CUT AND FILL
VOLUME PLAN

Scale at A1: 1:1000
Drawn: CJG
Designed: CG
Approved: GC
Project No: RRHS-TTW-00-00-DR-C-02011-H
15.07.2025 5:18 PM

1. PLACE CONCRETE OF THE FOLLOWING CHARACTERISTIC COMPRESSIVE STRENGTH f_c IN ACCORDANCE WITH AS 1379.
- 2.

4. USE TYPE 'GP' CEMENT, UNLESS OTHERWISE SPECIFIED.
5. ALL CONCRETE SHALL BE SUBJECT TO PROJECT ASSESSMENT AND TESTING TO AS 1379.
6. CONSOLIDATE BY MECHANICAL VIBRATION. CURE ALL CONCRETE SURFACES AS DIRECTED IN THE SPECIFICATION.
7. FOR ALL FALLS IN SLAB, DRIP GROOVES, REGLETS, CHAMFERS ETC. REFER TO ARCHITECTS DRAWINGS AND SPECIFICATIONS.
8. UNLESS SHOWN ON THE DRAWINGS, THE LOCATION OF ALL CONSTRUCTION JOINTS SHALL BE SUBMITTED TO ENGINEER FOR REVIEW.
9. NO HOLES OR CHASES SHALL BE MADE IN THE SLAB WITHOUT THE APPROVAL OF THE ENGINEER.
10. CONDUITS AND PIPES ARE TO BE FIXED TO THE UNDERSIDE OF THE TOP REINFORCEMENT LAYER.
11. SLURRY USED TO LUBRICATE CONCRETE PUMP LINES IS NOT TO BE USED IN ANY STRUCTURAL MEMBERS.
12. ALL SLABS CAST ON GROUND REQUIRE SAND BLINDING WITH A CONCRETE UNDERLAY

1. ALL EXPOSED CONCRETE PAVEMENTS ARE TO BE BROOMED FINISHED.
2. ALL EDGES OF THE CONCRETE PAVEMENT INCLUDING KEYED AND DOWELLED JOINTS ARE TO BE FINISHED WITH AN EDGING TOOL.
3. CONCRETE PAVEMENTS WITH GRADES GREATER THAN 10 % SHALL BE HEAVILY BROOMED FINISHED.
4. CARBORUNDUM TO BE ADDED TO ALL STAIR TREADS AND RAMPED CROSSINGS U.N.O.

1. THE DESIGN, CERTIFICATION, CONSTRUCTION AND PERFORMANCE OF THE FORMWORK, FALSEWORK AND BACKPROPPING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. PROPOSED METHOD OF INSTALLATION AND REMOVAL OF FORMWORK IS TO BE SUBMITTED TO THE SUPERINTENDENT FOR COMMENT PRIOR TO WORK BEING CARRIED OUT.

NOTE: SUGRADE DETAILS & CBR TO BE CONFIRMED BY GEOTECHNICAL ENGINEER

15.07.2025 5:23 PM

This is a detailed topographic site plan for Development Plan (DP) 539012. The plan shows a large area of land with various features and boundaries. Key elements include:

- Proposed Sportsfields:** Two large rectangular areas labeled "PROPOSED SPORTSFIELD" are shown in green. They are separated by a road and have internal markings for sports fields.
- Proposed Buildings:** A large blue-shaded area labeled "PROPOSED BUILDING D FFL 17.45" is located in the bottom left. Another smaller blue-shaded area is labeled "PROPOSED BUILDING".
- Existing Features:** The plan shows existing roads, fences, and a "CATTLE SHED". A "CATTLE DRINK WELL (1000 DA.)" is also marked.
- Flood Extents:** Areas of "EXISTING RARE FLOOD EXTENT" and "EXISTING RARE FLOOD EXTENT" are indicated with dashed lines and labels.
- Topography:** The plan includes contour lines and spot heights (e.g., +100, +105, +110) to show the terrain.
- Boundaries:** A "SITE BOUNDARY" is marked with a dashed line on the right side.
- Scale and Orientation:** A scale bar at the bottom left shows distances from 0.0 to 40.0m. A north arrow is located in the top left corner.
- Disclaimers:** A note in the top right corner states: "This drawing is copyright and is the property of TTW and must not be used without authorisation. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT NOTES AND LEGENDS." A large "NOT FOR CONSTRUCTION" warning is at the bottom right.

						Client:			 School Infrastructure NSW			Engineer:  Structural Civil Traffic Façade 612 9439 7288 Level 6, 73 Miller Street, North Sydney, NSW 2060			Project: RICHMOND RIVER HIGH CAMPUS LISMORE, NSW INTERNAL CIVIL WORKS			Drawing Title: PAVEMENT PLAN SHEET 1			Scale at A1 Drawn: ARW Designed: CG Approved: GC		
C ISSUED FOR REF SUBMISSION CG JT 15.07.2025																							
B ISSUED FOR REF SUBMISSION CG JT 20.06.2025																							
A 100% SCHEMATIC DESIGN CG JHH 18.12.2024																							
Rev Description Eng Draft Date			Rev Description Eng Draft Date			Rev Description Eng Draft Date																	

This drawing is copyright and is the property of ITW and must not be used without authorisation. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT NOTES AND LEGENDS.



NDRA PARADE

ALEXANDRA PARADE

NOT FOR CONSTRUCTION

																				Client: School Infrastructure NSW										Engineer: 612 9439 7288 Level 6, 73 Miller Street, North Sydney, NSW 2060										Project: RICHMOND RIVER HIGH CAMPUS LISMORE, NSW INTERNAL CIVIL WORKS										Drawing Title: PAVEMENT PLAN SHEET 2										Scale at A1 Drawn ARW Designed CG Approved GC									
C	ISSUED FOR REF SUBMISSION				CG	JT	15.07.2025																																																														
B	ISSUED FOR REF SUBMISSION				CG	JT	20.06.2025																																																														
A	100% SCHEMATIC DESIGN				CG	JHH	18.12.2024																																																														
Rev	Description	Eng Draft	Date	Rev	Description	Eng Draft	Date	Rev	Description	Eng Draft	Date																																																										
												RRHS-TTW-00-00-DR-C-03012-C																																																									
												15.07.2025 5:31 PM																																																									