PROPOSED DUAL OCCUPANCY
LOT 8 DP 1307933
MARSHFIELD LANE, MUDGEE NSW
CIVIL DRAWINGS

DRAWINGS LIST

LOCATION PLAN
SCALE 1:2000 AT A1

CONSULTANT DATA			
	COMPANY	REFERENCE	DATE/REVISION
ARCHITECTURAL	P.D.D.	112.24	01

CONSULTANT DOCUMENTS:
1. IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE THAT THE CURRENT VERSION OF CONSULTANT DOCUMENTS ARE PRESENT ON SITE.

NOTE:
THIS IS A PLANNING DRAWING ONLY, FOR THE PURPOSE OF CONCEPTUAL DESIGN AND/OR PLANNING. FURTHER DETAILED ENGINEERING DESIGN INCLUDING SPECIFICATIONS, SIZING AND STORMWATER INVERTS TO BE PROVIDED PRIOR TO CONSTRUCTION CERTIFICATE AND FOR CONSTRUCTION ISSUE.

20.0m 0.0 40.0 80.0 120.0 160.0 200.0m
SCALE 1:2000 AT A1 SHEET | 1:4000 AT A3 SHEET

ISSUED FOR CONSTRUCTION 31.01.25 A JLD
ISSUE DATE REV. BY

FOR CONSTRUCTION

NORTH POINT U.N.O.

ARCHITECT

CLIENT
COVER CONSTRUCTIONS
PO BOX 257
MUDGEE NSW 2850

PROJECT
PROPOSED DUAL OCCUPANCY
No 8 - (LOT 7) MARSHFIELD LANE MUDGEE 2850

DESIGNED --
DRAWN --
DATE NOV 24
SIZE SIZE
CAD REF TX18185.00 - C01

TRIAXIAL CONSULTING
COMPLEX PROBLEMS RESOLVED SIMPLY
ISO 45001 ISO 9001 ISO 14001

1300 874 294 | TRIAXIAL.AU

SUITE 12, LEVEL 14, 327 PITT STREET, SYDNEY NSW 2000
PO BOX A203, SYDNEY SOUTH NSW 1235

TO BE PRINTED IN COLOUR

DRAWING TITLE
COVER SHEET

PROJECT No. TX18185.00 - DRAWING No. C1.00 REVISION A

GENERAL

CG1. THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL ARCHITECTURAL AND OTHER CONSULTANTS' 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 ENGINEER BEFORE PROCEEDING WITH THE WORK.

CG2. ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE RELEVANT AND CURRENT STANDARDS AUSTRALIA CODES AND WITH THE BY-LAWS AND ORDINANCES OF THE RELEVANT BUILDING AUTHORITIES EXCEPT WHERE VARIED BY THE PROJECT SPECIFICATION.

CG3. ALL WORK IS TO BE CARRIED OUT IN ACCORDANCE WITH ALL WORKCOVER AND WORK HEALTH & SAFETY (ACT & REGULATION) REQUIREMENTS. APPROPRIATE SAFETY SIGNS SHALL BE INSTALLED AT ALL TIMES DURING THE PROGRESS OF THE WORKS.

CG4. CONTRACT WORKS SHALL NOT COMMENCE UNTIL APPROVED HAS BEEN OBTAINED FROM RELEVANT AUTHORITIES.

CG5. ALL DIMENSIONS SHOWN SHALL BE VERIFIED BY THE CONTRACTOR ON SITE. ENGINEER'S DRAWINGS SHALL NOT BE SCALED FOR DIMENSIONS. ENGINEER'S DRAWINGS ISSUED IN ANY ELECTRONIC FORMAT MUST NOT BE USED FOR DIMENSIONAL SETOUT. REFER TO THE ARCHITECT'S DRAWINGS FOR ALL DIMENSIONAL SETOUT INFORMATION.

CG6. UNLESS NOTED OTHERWISE ALL LEVELS ARE IN METRES AND ALL DIMENSIONS ARE IN MILLIMETRES.

CG7. PROPRIETARY ITEMS SPECIFIED ON THE DRAWINGS SHALL BE INSTALLED STRICTLY IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

CG8. UNLESS THESE DRAWINGS ARE SPECIFICALLY LABELLED 'FOR CONSTRUCTION', THEY SHALL NOT BE USED FOR ANY CONSTRUCTION PURPOSES WITHOUT WRITTEN APPROVAL FROM TRIAXIAL CONSULTING ENGINEERS.

CG9. THE CONTRACTOR SHALL ALLOW IN TENDER FOR DETAILS NOT SHOWN ON THESE DRAWINGS BUT NECESSARY FOR COMPLETION OF THE CONTRACT.

CG10. THE WORKS AS DOCUMENTED ARE TO BE CERTIFIED BY TRIAXIAL CONSULTING AT THE COMPLETION OF WORKS. THE CONTRACTOR SHALL ALLOW FOR THE INSPECTION OF THE WORKS AT STAGES NOMINATED BY TRIAXIAL CONSULTING. CERTIFICATION SHALL BE LIMITED ONLY TO THE WORKS INSPECTED BY TRIAXIAL CONSULTING.
TRIAXIAL CONSULTING RETAINS THE RIGHT TO NOT ISSUE CERTIFICATION IN THE EVENT THAT CRITICAL INSPECTIONS WERE NOT UNDERTAKEN.

SURVEY

SU1. THE EXISTING SITE CONDITIONS SHOWN ON THE DRAWINGS HAVE BEEN INVESTIGATED BY OTHERS. THE INFORMATION IS SHOWN TO PROVIDE A BASIS FOR DESIGN.

SU2. THE FOLLOWING ENGINEERING SURVEY SHALL NOT BE TAKEN AS A CADASTRAL OR BOUNDARY IDENTIFICATION SURVEY. BOUNDARY DATA SHALL BE TAKEN AS A GUIDE ONLY UNLESS NOTED OTHERWISE.

SU3. SHOULD DISCREPANCIES BE FOUND BETWEEN THE SURVEY DATA AND ACTUAL FIELD DATA THE CONTRACTOR SHALL NOTIFY TRIAXIAL CONSULTING PRIOR TO COMMENCEMENT OF THE WORKS. THE CONTRACTOR SHALL ACCEPT ALL RESPONSIBILITY FOR ERRORS MADE DURING CONSTRUCTION WHERE SURVEY DISCREPANCIES WERE NOT RELAYED AND RESOLVED BY TRIAXIAL CONSULTING PRIOR TO COMMENCEMENT OF THE WORKS.

SEDIMENT AND EROSION CONTROL

SE1. CONTROLS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUAL "MANAGING URBAN STORMWATER, SOILS AND CONSTRUCTION" (2004) (THE BLUE BOOK).

SE2. DISTURBANCE SHALL BE KEPT TO A MINIMUM AND WITHIN THE LIMITS OF THE CONSTRUCTION SITE.

SE3. ALL INSTALLED CONTROLS SHALL BE INSPECTED AT LEAST WEEKLY AND IMMEDIATELY FOLLOWING A RAIN EVENTS BY CONTRACTOR. MAINTENANCE SHALL BE UNDERTAKEN AS REQUIRED.

SE4. CONTROL DEVICES, AS DETAILED, SHALL BE INSTALLED TO STORMWATER PITS IMMEDIATELY FOLLOWING THEIR CONSTRUCTION.

EXISTING UNDERGROUND SERVICES

EU1. THE EXISTING UNDERGROUND SERVICES INDICATED ON THESE DRAWINGS HAVE BEEN OBTAINED FROM SURVEY AND SERVICE AUTHORITY INFORMATION. THE SERVICES INFORMATION SHOWN ARE THOSE OF KNOWN SERVICES ONLY. THE LOCATIONS SHOWN ON THE DRAWINGS ARE APPROXIMATE ONLY AND MAY NOT BE 'AS CONSTRUCTED' OR ACCURATE. THE PRESENCE OR ABSENCE OF SERVICES SHALL BE CONFIRMED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF CONSTRUCTION.

EU2. THE CONTRACTOR SHALL CONTACT ALL RELEVANT SERVICE AUTHORITIES PRIOR TO THE COMMENCEMENT OF ANY EXCAVATION WORK (BYDA).

EU3. THE CONTRACTOR SHALL UNDERTAKE A THOROUGH SERVICES SEARCH PRIOR TO THE COMMENCEMENT OF ANY EXCAVATION WORKS. THE RESULTS OF SERVICES SEARCHES SHALL BE RECORDED AND KEPT ON SITE AT ALL TIMES AND SUBMIT TO TRIAXIAL CONSULTING FOR REVIEW.

EU4. THE CONTRACTOR IS RESPONSIBLE FOR PERFORMING POTHOLING TO ESTABLISH AND CONFIRM LOCATIONS AND DEPTHS OF EXISTING UNDERGROUIND SERVICES/UTILITIES PRIOR TO COMMENCEMENT OF WORK ON SITE.

EU5. THE CONTRACTOR SHALL TAKE ALL DUE CARE WHEN EXCAVATING ON SITE INCLUDING HAND EXCAVATION WHERE NECESSARY.

EU6. TRIAXIAL CONSULTING MAY, AT THEIR DISCRETION, REQUIRE POTHOLDING AND DETAILED SERVICE LOCATION REPORTS TO BE UNDERTAKEN PRIOR TO THE ISSUE OF CONSTRUCTION DOCUMENTATION FOR COORDINATION PURPOSES.

EXCAVATION

EX1. REFER TO REPORT ON GEOTECHNICAL STABILITY ASSESSMENT FOR INFORMATION PERTAINING TO EXISTING SITE STABILITY, EXCAVATION AND GEOTECHNICAL ISSUES.

EX2. ALL SITE EXCAVATION TO BE PERFORMED IN ACCORDANCE WITH ITEMS NOTED IN THE ABOVE LISTED REPORT.

EX3. THE EARTHWORKS CONTRACTOR IS TO CONTACT OR MEET WITH THE GEOTECHNICAL ENGINEER PRIOR TO COMMENCEMENT OF ANY EXCAVATION TO DETERMINE APPROPRIATE TECHNIQUES AND HOLD POINTS.

EX4. ALL TEMPORARY BATTERS ARE TO BE IN ACCORDANCE WITH GEOTECHNICAL REPORT REQUIREMENTS.

SITE PREPARATION

SP1. ALL EARTHWORKS, SITE PREPARATION AND MATERIALS TO BE IN ACCORDANCE WITH AS3798 AND THE GEOTECHNICAL ENGINEERS REPORT U.N.O. GEOTECHNICAL SPECIFICATIONS AND INSTRUCTIONS SHALL TAKE PRECEDENCE OVER ENGINEERING SPECIFICATIONS.

SP2. SEDIMENT AND EROSION CONTROL MEASURES AS DOCUMENTED MUST BE IN PLACE PRIOR TO THE COMMENCEMENT OF WORK.

SP3. STRIP EXISTING AREA AS REQUIRED TO CONSTRUCT NEW WORKS, REMOVE ANY TOPSOIL, ALL ORGANIC & DELETERIOUS MATERIAL FROM SITE WORKS AREA.

SP4. THE COMPACTION OF THE SUBGRADE AND ANY FILL MATERIAL SHALL ACHIEVE 98% MIN. RELATIVE COMPACTION AT STANDARD COMPACTIVE EFFORT. MOISTURE VARIATION TO BE WITHIN +/- 2% OF OPTIMUM MOISTURE CONTENT.

SP5. COMPACTION TESTING IS THE RESPONSIBILITY OF THE CONTRACTOR AND MUST BE ALLOWED FOR IN THE TENDER FOR THE PROJECT. THE CONTRACTOR SHALL ALLOW FOR SOIL COMPACTION TESTING TO ALL FILL FORMATIONS WHICH UNDER ALL BUILDING FOOTPRINTS & ALL EXTERNAL WORKS, PAVEMENTS, RETAINING WALLS U.N.O. TESTS SHALL BE IN ACCORDANCE WITH REQUIREMENTS OF AS1289. SUBMIT TEST REPORTS TO THE ENGINEER FOR REVIEW.

SP6. PROOF ROLLING SHALL BE CARRIED OUT UNDER THE DIRECTION OF THE CONTRACTOR IN ACCORDANCE WITH AS3798 SECTION 5.5, INCORPORATING ANY SITE-SPECIFIC REQUIREMENTS SPECIFIED BY THE GEOTECHNICAL ENGINEER.

SP7. WHERE THERE HAS BEEN AN EXTENDED DRY PERIOD THE SUBGRADE SURFACE MAY EXHIBIT DESICCATION CRACKS CONSISTENT WITH NEAR SURFACE DRYING OUT. IF DRYING OUT OF THE SUBGRADE HAS OCCURRED, THEN THE MATERIAL IS TO BE REWORKED TO ACHIEVE BOTH REQUIREMENTS FOR DENSITY & MOISTURE CONTENT. UNDER THE DIRECTION OF THE GEOTECHNICAL ENGINEER.

SP8. FILLING - ANY FILL MATERIAL REQUIRED (OTHER THAN A NOMINATED BASE/SUB-BASE COURSE) HALL BE WELL GRADED NATURAL GRAVEL WITH A MAXIMUM PARTICLE SIZE OF 40mm U.N.O. FILL SHALL BE UNIFORMLY PLACED IN LAYERS NOT EXCEEDING 200mm (LOOSE) AND COMPACTED IN ACCORDANCE WITH NOTE SP4.

SITE PREPARATION (CONTINUED)

SP9. RAFT FOUNDATIONS ARE DESIGNED ASSUMING 'ROLLED FILL' IS CONSTRUCTED IN ACCORDANCE WITH AS2870, U.N.O. ROLLED FILL CONSISTS OF MATERIAL COMPACTED IN LAYERS BY REPEATED ROLLING WITH AN EXCAVATOR OR SIMILAR EQUIPMENT. THE DEPTH OF ROLLED FILL SHALL NOT EXCEED 0.6m COMPACTED IN LAYERS NOT MORE THAN 0.3m THICK FOR SAND MATERIAL OR 0.3M COMPACTED IN LAYERS NOT MORE THAN 0.15m THICK FOR OTHER MATERIAL. THE EXTENT OF ROLLED FILL REQUIRED SHALL BE DETERMINED ON SITE AND SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

SP10. SERVICE TRENCH BACK FILL AND FILL OVER UNDERGROUND SERVICES SHALL BE COMPACTED WITH HAND OPERATED PLATE COMPACTOR IN LAYERS OF 100mm LOOSE THICKNESS.

SITE WORKS

SW1. ALL CONNECTIONS WITH EXISTING WORKS SHALL BE MADE SMOOTH.

SW2. ALL TRENCH BACKFILL MATERIAL SHALL BE COMPACTED TO ACHIEVE A DENSITY EQUIVALENT TO THE ADJACENT MATERIAL.

SW3. ALL SERVICE TRENCHES SHALL BE BACKFILLED WITH SAND TO A LEVEL 300mm ABOVE THE PIPE. WHERE SERVICE TRENCHES ARE CONSTRUCTED UNDER VEHICULAR PAVEMENTS, BACKFILL THE REMAINDER OF THE TRENCH (TO UNDERSIDE OF PAVEMENT) WITH SAND OR APPROVED GRANULAR MATERIAL COMPACTED IN LAYERS NOT EXCEEDING 150mm DEPTH. BACKFILL MATERIAL SHALL BE COMPACTED TO A MINIMUM 98% MODIFIED MAXIMUM DRY DENSITY IN ACCORDANCE WITH AS 1289 5.2.1 (CURRENT EDITION) OR A DENSITY INDEX OF NOT LESS THAN 75.

SW4 PROVIDE A 10mm WIDE EXPANSION JOINT BETWEEN ALL BUILDINGS AND CONCRETE OR UNIT PAVEMENTS.

STORMWATER DRAINAGE

SD1. PIPES UP TO 300mm DIAMETER SHALL BE SEWER GRADE UPVC WITH SOLVENT WELDED JOINTS.

SD2. ALL "INTERNAL WORKS" WITHIN PROPERTY BOUNDARIES SHALL COMPLY WITH THE REQUIREMENTS OF AS/NZS 3500.3 (CURRENT EDITION).

SD3. ALL STORMWATER PIPES SHALL BE PROVIDED WITH MINIMUM PIPE COVER TO COMPLY WITH THE REQUIREMENTS OF AS/NZS 3500.3 (CURRENT EDITION).

SD4. INSTALLATION OF ALL BURIED CONCRETE STORMWATER PIPES SHALL COMPLY WITH THE REQUIREMENTS OF AS/NZS 3725 (CURRENT EDITION) DESIGN FOR INSTALLATION OF BURIED CONCRETE PIPES.

SD5. ENLARGERS, CONNECTORS AND JUNCTIONS SHALL BE PREFABRICATED FITTINGS WHERE PIPES ARE LESS THAN 300mm DIAMETER.

SD6. ALL STORMWATER DRAINAGE LINES SHALL HAVE A MINIMUM FALL OF 1% UNLESS NOTED OTHERWISE ON THE DRAWINGS. CARE SHALL BE TAKEN WITH SETTING LEVELS OF STORMWATER DRAINAGE LINES. GRADES SHOWN ON THE DRAWINGS SHALL NOT BE REDUCED WITHOUT THE WRITTEN CONSENT OF TRIAXIAL CONSULTING.

SD7. GRATES AND COVERS SHALL COMPLY WITH THE REQUIREMENTS OF AS 3996 (CURRENT EDITION).

SD8. AT ALL TIMES DURING THE CONSTRUCTION OF STORMWATER PITS, ADEQUATE SAFETY PROCEDURES SHALL BE DOCUMENTED AND EXECUTED TO MITIGATE THE RISK OF PERSONAL INJURY AS A RESULT OF FALLS INTO PITS AND TANKS.

SD9. ALL EXISTING STORMWATER LOCATIONS, INCLUDING INVERTS, TO BE CONFIRMED BY THE CONTRACTOR PRIOR TO THE COMMENCEMENT OF CIVIL WORKS ON SITE.

SD10. ALL EXISTING STORMWATER DRAINAGE LINES AND PITS THAT ARE TO REMAIN SHALL BE INSPECTED AND CLEANED. DURING THIS PROCESS ANY PART OF THE STORMWATER DRAINAGE SYSTEM THAT WARRANTS REPAIR SHALL BE REPORTED TO THE SUPERINTENDANT/ENGINEER FOR FURTHER DIRECTIONS.

SD11. INSTALLATION OF ALL BURIED FLEXIBLE PIPELINES SHALL COMPLY WITH THE REQUIREMENTS OF AS/NZS 2566.2 (CURRENT EDITION).

SD12. SURFACE INSPECTION OPENING - IO - WHERE SHOWN, ARE DIAGRAMMATIC IN NATURE AND TO BE INSTALLED IN ACCORDANCE WITH AS3500 (CURRENT ADDITION).

SD13. BUILDER IS TO REFER TO STRUCTURAL DOCUMENTATION & GEOTECHNICAL REPORT FOR ANY ADDITIONAL PLUMBING REQUIREMENTS INCLUDING FLEXIBLE CONNECTIONS.

CONCRETE

C1. ALL WORKMANSHIP AND MATERIAL SHALL BE IN ACCORDANCE WITH AS3600 CURRENT EDITION WITH AMENDMENTS, EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS.

C2. READYMIX CONCRETE SUPPLY SHALL COMPLY WITH AS1379.

C3. CONCRETE QUALITY, ALL THE REQUIREMENTS OF THE ACSE SPECIFICATION DOCUMENT 1 (EDITION 6), SHALL APPLY TO THE FORMWORK, REINFORCEMENT AND CONCRETE UNLESS NOTED OTHERWISE. CONCRETE QUALITY SPECIFICATIONS AS SHOWN ON PLAN.

C4. PROJECT CONTROL TESTING SHALL BE CARRIED OUT IN ACCORDANCE WITH AS1379.

C5. NO ADMIXTURES SHALL BE USED IN CONCRETE UNLESS APPROVED IN WRITING.

C6. CLEAR CONCRETE COVER TO ALL REINFORCEMENT FOR DURABILITY SHALL BE AS PER CONCRETE COVER SCHEDULE UNLESS SHOWN OTHERWISE.

COVER REQUIREMENTS MAY NEED TO BE INCREASED TO MEET FIRE RATING. EXPOSURE CLASSIFICATION SHALL BE AS INDICATED ON THE DRAWING.

C7. DURABILITY REQUIREMENTS FOR CONCRETE.

EXPOSURE CLASS, TO AS3600:	MINIMUM CEMENT CONTENT:	MAXIMUM W/C RATIO:
A1 & A2	-	0.56
B1	320	0.56
B2	390	0.46
C	450	0.40

C8. ALL REINFORCEMENT SHALL BE FIRMLY SUPPORTED ON MILD STEEL PLASTIC TIPPED CHAIRS, PLASTIC CHAIRS OR CONCRETE CHAIRS AT 1m MAX. CENTRES BOTH WAYS U.N.O. BARS SHALL BE TIED AT ALTERNATE INTERSECTIONS. USE PLASTIC CHAIRS IN EXPOSURE CONDITION GREATER THAN B1.

MINIMUM BAR CHAIR SPACING FOR MESH REINFORCEMENT SHALL BE:

SL92, SL102, SL81, RL918: 900 CTS.
SL72, SL82, RL818: 600 CTS.

C9. NO HOLES, CHASES OR EMBEDMENT OF PIPES OTHER THAN THOSE SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE MADE IN CONCRETE MEMBERS WITHOUT THE PRIOR WRITTEN APPROVAL OF THE ENGINEER.

C10. CONSTRUCTION JOINTS WHERE NOT SHOWN SHALL BE LOCATED TO THE APPROVAL OF THE ENGINEER.

C11. ALL CONCRETE SHALL BE COMPACTED WITH MECHANICAL VIBRATORS.

C12. THE ENGINEER SHALL BE GIVEN 48 HOURS NOTICE FOR REINFORCEMENT INSPECTIONS AND CONCRETE SHALL NOT BE DELIVERED UNTIL ENGINEERS APPROVAL IS OBTAINED.

C13. WELDING OF REINFORCEMENT SHALL NOT BE PERMITTED UNLESS SHOWN ON THE STRUCTURAL DRAWINGS OR APPROVED BY THE ENGINEER.

C14. REINFORCEMENT BARS AND TIES:
N_ HOT ROLLED DEFORMED BAR, GRADE 500
NORMAL DUCTILITY AS4671-DN500N

R_ HOT ROLLED ROUND BAR, GRADE 250
NORMAL DUCTILITY AS4671-R250N

W_ COLD DRAWN ROUND WIRE, GRADE 500
LOW DUCTILITY AS4671-R500L

S_ POOL REINFORCEMENT
HOT ROLLED DEFORMED BAR, GRADE 250
NORMAL DUCTILITY AS4671-D250N

NOTE: THE UNDERSCORE REPRESENTS NOMINAL BAR DIAMETER IN ACCORDANCE WITH AS4671

REINFORCEMENT MESH:
SL_ SQUARE MESH, COLD DRAWN RIBBED WIRE
GRADE 500, LOW DUCTILITY AS4671-D500L

RL_ RECTANGULAR MESH, COLD DRAWN RIBBED WIRE
GRADE 500, LOW DUCTILITY AS4671-D500L

_L_TM TRENCH MESH, COLD DRAWN RIBBED WIRE
GRADE 500, LOW DUCTILITY AS4671-D500L

NOTE: THE UNDERSCORE REPRESENTS VARYING SPECIFICATIONS IN ACCORDANCE WITH AS4671

C15. REINFORCEMENT IS REPRESENTED DIAGRAMMATICALLY AND NOT NECESSARILY IN TRUE PROJECTION.

C16. SPLICES IN REINFORCEMENT SHALL BE MADE ONLY IN POSITIONS SHOWN OR OTHERWISE APPROVED IN WRITING BY THE ENGINEER. LAPS SHALL BE IN ACCORDANCE WITH AS3600 AND NOT LESS THAN THE DEVELOPMENT LENGTH FOR EACH BAR.

CONCRETE (CONTINUED)

C17. STANDARD LAP AND COG LENGTHS UNLESS NOTED OTHERWISE ON DRAWINGS:

BAR DIAMETER	MIN. LAP LENGTH (mm)	MIN. COG LENGTH (mm)
N12	500	180
N16	750	210
N20	1000	260
N24	1375	310
N28	1560	360
N32	1810	400

C18. DEPTHS OF BEAMS ARE GIVEN FIRST AND INCLUDE SLAB THICKNESS.

C19. CONCRETE SIZES DO NOT INCLUDE THICKNESSES OF APPLIED FINISHES.

C20. REFER TO ARCHITECT'S DETAILS, FOR CHAMFERS, DRIP GROOVES, REGLETS, ETC., MAINTAIN COVER TO REINFORCEMENT AT THESE DETAILS.

C21. USE ALIPHATIC ALCOHOLS SPRAYED OVER THE SURFACE PRIOR TO AND AFTER FINISHING TO REDUCE RATE OF EVAPORATION FROM THE SURFACE AND HELP CONTROL PLASTIC SHRINKAGE CRACKING. NOTE THAT THE USE OF ALIPHATIC ALCOHOLS IS NOT A SUBSTITUTE FOR CURING.

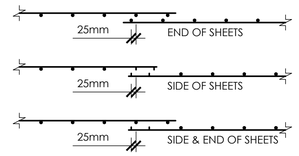
C22. COMMENCE CURING OPERATIONS PROMPTLY AFTER SURFACE FINISHING IS COMPLETE. CURING COMPOUNDS ARE TO BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS AND ARE TO BE CHECKED FOR COMPATIBILITY WITH PROPOSED FLOOR FINISHES. SOME COMPOUNDS MAY REQUIRE REMOVAL FOR GLUED DOWN FLOOR COVERINGS OR WET CURING AS DESCRIBED BELOW.

CONCRETE IS TO BE CURED BY KEEPING THE SURFACES CONTINUOUSLY WET FOR A PERIOD OF 3 DAYS AND PREVENTING THE LOSS OF MOISTURE FOR A FURTHER 7 DAYS FOLLOWED BY A GRADUAL DRYING OUT.

C23. PROPPING WHICH SUPPORTS CONSTRUCTION OVER IS TO BE LEFT IN PLACE AS REQUIRED TO AVOID OVER STRESSING THE STRUCTURE DUE TO CONSTRUCTION LOADING.

C24. CONDUITS, PIPES ETC. SHALL ONLY BE LOCATED IN THE MIDDLE ONE THIRD OF SLAB DEPTH AND SPACED AT NOT LESS THAN 3 DIAMETERS OF THE CONDUIT. PIPES ETC. PIPES OR CONDUITS SHALL NOT BE PLACED WITHIN THE COVER TO REINFORCEMENT.

C25. MINIMUM MESH LAPS:



C26. A 0.2mm POLYETHYLENE MEMBRANE SHALL BE CONTINUOUS UNDER SLAB LAPPED 200mm MIN. WHERE REQUIRED AND TAPED AT ALL SERVICE PENETRATIONS, LAPS AND PUNCTURES. THE MEMBRANE IS TO EXTEND UNDER AND TO THE SIDES OF SLABS, BEAMS AND THICKENINGS.

CONCRETE COVER SCHEDULE

GRADE/ USAGE	EXPOSED SURFACES			AGAINST GROUND	
	INTERIOR (A1/A2)	EXTERIOR (B1)	EXTERIOR (B2)	WITH D.P.M (A1)	WITHOUT D.P.M (A2)
20MPa	20(A1)/50(A2)	N/A	N/A	30	70
25MPa	20(A1)/30(A2)	60	N/A	30	50
32MPa	20(A1)/25(A2)	40	65	30	45
40MPa	20 (A1/A2)	30	45	30	40
RAFT SLAB	20 (A1/A2)	TOP - 40 SIDE - 50	50	30	50

ISSUED FOR CONSTRUCTION 31.01.25 A JLD
ISSUE DATE REV. BY

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NORTH POINT U.N.O.

ARCHITECT

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COVER CONSTRUCTIONS
PO BOX 257
MUDGEE NSW 2850

PROJECT
PROPOSED DUAL OCCUPANCY
No 8 - (LOT 7) MARSHFIELD LANE MUDGEE 2850

DESIGNED	DRAWN	DATE	SIZE	CAD REF
--	--	NOV 24	SIZE	TX18185.00 - C01

TRIAXIAL CONSULTING
COMPLEX PROBLEMS RESOLVED SIMPLY
ISO 45001 ISO 9001 ISO 14001

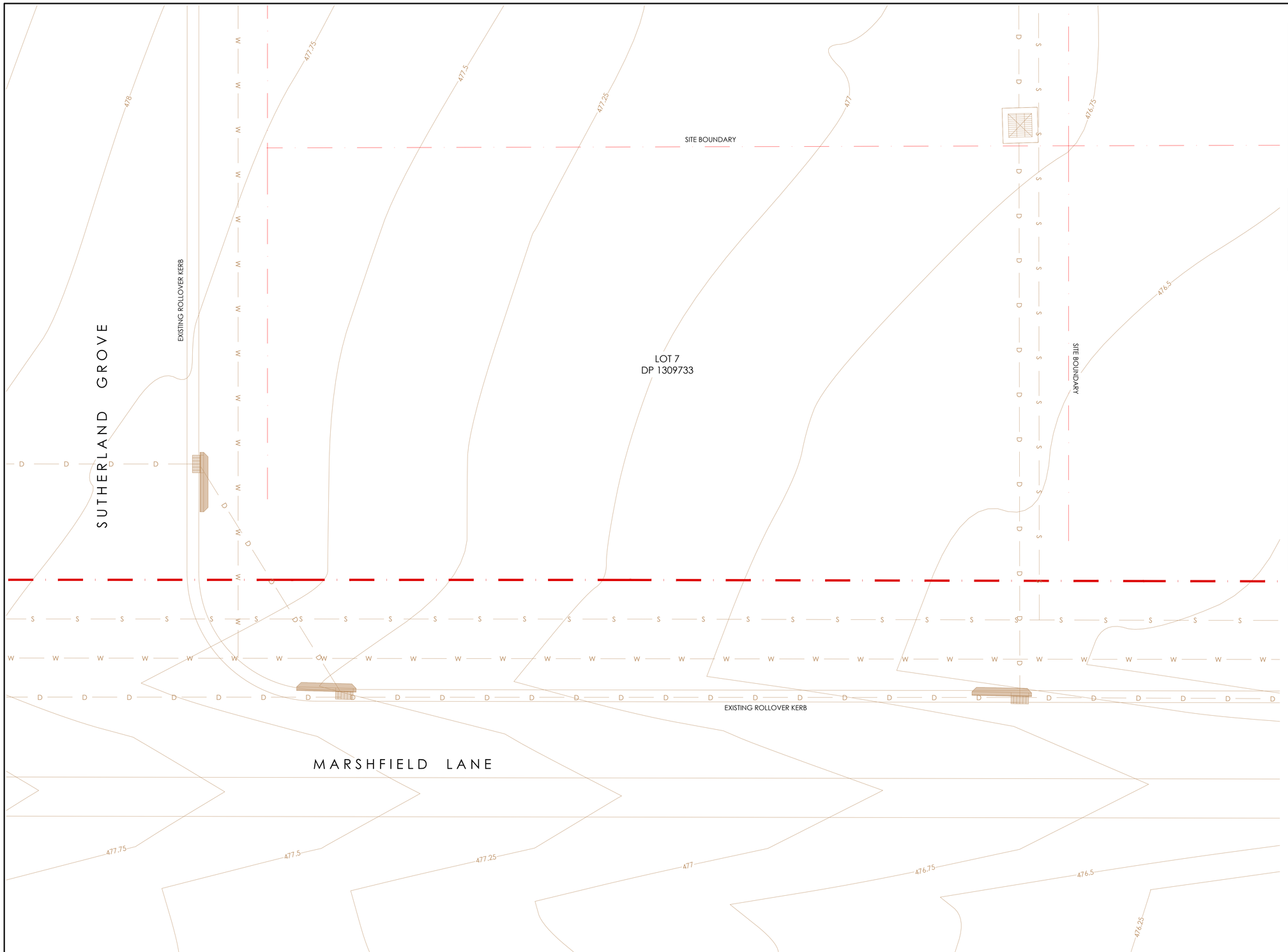
1300 874 294 | TRIAXIAL.AU

SUITE 12, LEVEL 14, 327 PITT STREET, SYDNEY NSW 2000
PO BOX A203, SYDNEY SOUTH NSW 1235

TO BE PRINTED IN COLOUR

DRAWING TITLE
GENERAL NOTES

PROJECT No. TX18185.00 - DRAWING No. C1.01 REVISION A



NOTE:

1. THIS IS AN ENGINEERING SURVEY PLAN AND SHALL NOT BE TAKEN AS A CADASTRAL OR IDENTIFICATION SURVEY. BOUNDARY DATA IF SHOWN, SHOULD BE TAKEN AS A GUIDE ONLY.
2. REFER TO THE CERTIFICATE OF TITLE FOR EASMENT DETAILS (IF ANY).
3. NO UNDERGROUND SERVICES HAVE BEEN LOCATED.

SURVEY:

1. PROVIDED BY:
   - 1.1. DATE/REVISION:
   - 1.1. REFERENCE:
   - 1.2. SURVEY DATE:
   - 1.3. MGA
   - 1.4. LEVELS ORIGIN

SURVEY MARKS			
PM/SSM	EASTING	NORTHING	RL (AHD)
SSM 181921	741193.989	6390380.461	475.80

LEGEND - EXISTING

SYMBOL	DESCRIPTION
x 99.99	SPOT LEVEL
	CONTOUR MAJOR (Xm)
	CONTOUR MINOR (Xm)
	FENCE
	BOUNDARY
D	DRAINAGE LINE
S	SEWER LINE
W	WATER LINE
E	ELECTRICITY UNDERGROUND
OE	ELECTRICITY OVERHEAD
T	TELSTRA LINE
GAS	GAS LINE
	ROAD CENTRELINE
	TREE

EXISTING SITE PLAN

SCALE 1:100 AT A1

1.0m 0.0 2.0 4.0 6.0 8.0 10.0m

SCALE 1:100 AT A1 SHEET | 1:200 AT A3 SHEET

ISSUED FOR CONSTRUCTION	31.01.25	A	JLD
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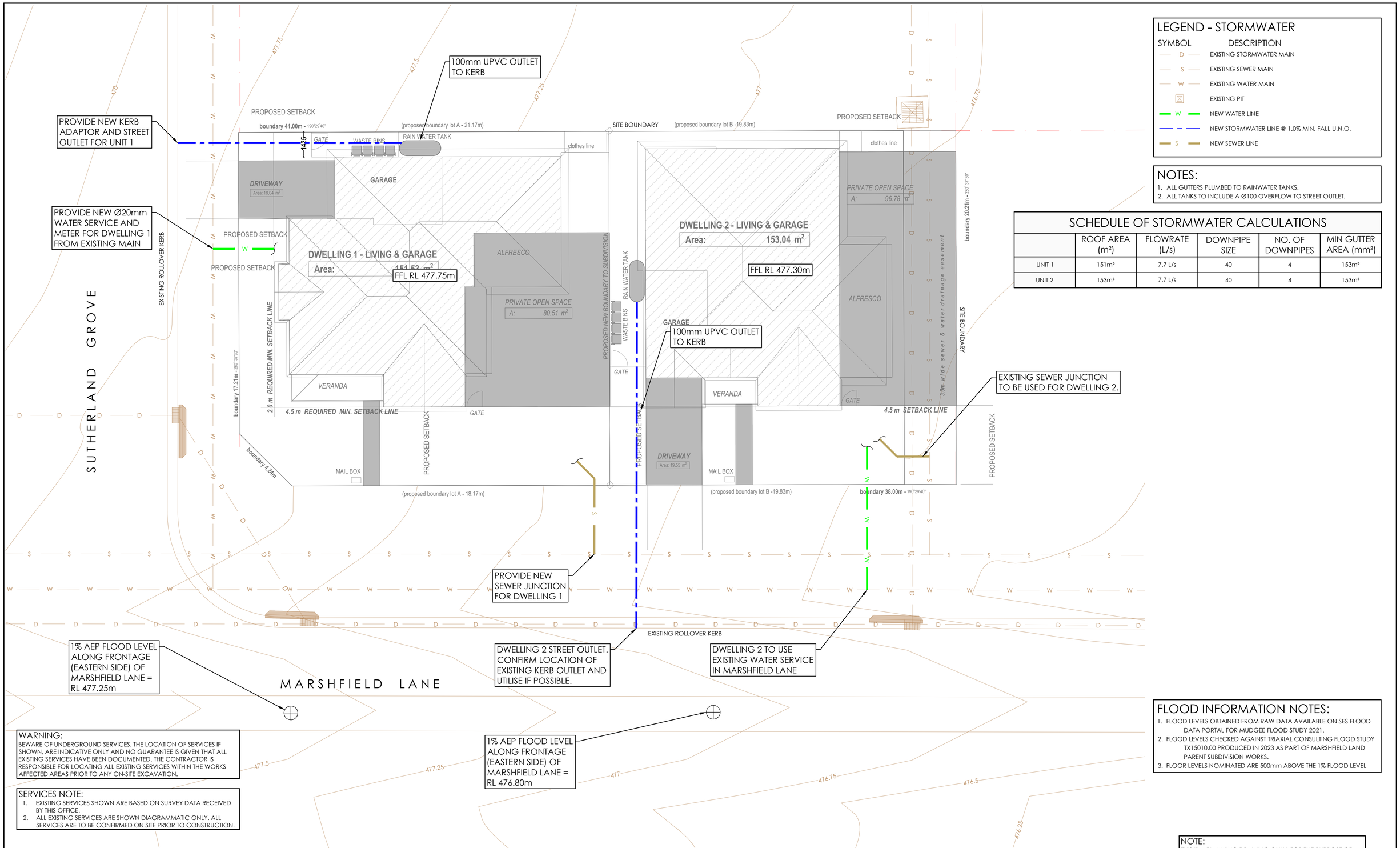
SUITE 12, LEVEL 14, 327 PITT STREET, SYDNEY NSW 2000
PO BOX A203, SYDNEY SOUTH NSW 1235

TO BE PRINTED IN COLOUR

DRAWING TITLE
EXISTING SITE PLAN

PROJECT No.	DRAWING No.	REVISION
TX18185.00 -	C2.00	A



LEGEND - STORMWATER

SYMBOL	DESCRIPTION
D	EXISTING STORMWATER MAIN
S	EXISTING SEWER MAIN
W	EXISTING WATER MAIN
	EXISTING PIT
W	NEW WATER LINE
	NEW STORMWATER LINE @ 1.0% MIN. FALL U.N.O.
S	NEW SEWER LINE

NOTES:

1. ALL GUTTERS PLUMBED TO RAINWATER TANKS.
2. ALL TANKS TO INCLUDE A Ø100 OVERFLOW TO STREET OUTLET.

SCHEDULE OF STORMWATER CALCULATIONS

	ROOF AREA (m²)	FLOWRATE (L/s)	DOWNPIPE SIZE	NO. OF DOWNPIPES	MIN GUTTER AREA (mm²)
UNIT 1	151m²	7.7 L/s	40	4	153m²
UNIT 2	153m²	7.7 L/s	40	4	153m²

WARNING:

BEWARE OF UNDERGROUND SERVICES. THE LOCATION OF SERVICES IF SHOWN, ARE INDICATIVE ONLY AND NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES HAVE BEEN DOCUMENTED. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL EXISTING SERVICES WITHIN THE WORKS AFFECTED AREAS PRIOR TO ANY ON-SITE EXCAVATION.

SERVICES NOTE:

1. EXISTING SERVICES SHOWN ARE BASED ON SURVEY DATA RECEIVED BY THIS OFFICE.
2. ALL EXISTING SERVICES ARE SHOWN DIAGRAMMATIC ONLY. ALL SERVICES ARE TO BE CONFIRMED ON SITE PRIOR TO CONSTRUCTION.

FLOOD INFORMATION NOTES:

1. FLOOD LEVELS OBTAINED FROM RAW DATA AVAILABLE ON SES FLOOD DATA PORTAL FOR MUDGEE FLOOD STUDY 2021.
2. FLOOD LEVELS CHECKED AGAINST TRIAXIAL CONSULTING FLOOD STUDY TX15010.00 PRODUCED IN 2023 AS PART OF MARSHFIELD LAND PARENT SUBDIVISION WORKS.
3. FLOOR LEVELS NOMINATED ARE 500mm ABOVE THE 1% FLOOD LEVEL

NOTE:

THIS IS A PLANNING DRAWING ONLY, FOR THE PURPOSE OF CONCEPTUAL DESIGN AND/OR PLANNING. FURTHER DETAILED ENGINEERING DESIGN INCLUDING SPECIFICATIONS, SIZING AND STORMWATER INVERTS TO BE PROVIDED PRIOR TO CONSTRUCTION CERTIFICATE AND FOR CONSTRUCTION ISSUE.

1.0m 0.0 2.0 4.0 6.0 8.0 10.0m

SCALE 1:100 AT A1 SHEET | 1:200 AT A3 SHEET

CIVIL PLAN

SCALE 1:100 AT A1

ISSUE	DATE	REV.	BY
ISSUED FOR CONSTRUCTION	31.01.25	A	JI.D

FOR CONSTRUCTION

NORTH POINT U.N.O.

ARCHITECT

CLIENT
COVER CONSTRUCTIONS
PO BOX 257
MUDGEE NSW 2850

PROJECT
PROPOSED DUAL OCCUPANCY
No 8 - (LOT 7) MARSHFIELD LANE MUDGEE 2850

DESIGNED	DRAWN	DATE	SIZE	CAD REF
--	--	NOV 24	SIZE	TX18185.00 - C01

TRIAXIAL CONSULTING
COMPLEX PROBLEMS RESOLVED SIMPLY
ISO 45001 ISO 9001 ISO 14001

1300 874 294 | TRIAXIAL.AU

SUITE 12, LEVEL 14, 327 PITT STREET, SYDNEY NSW 2000
PO BOX A203, SYDNEY SOUTH NSW 1235

TO BE PRINTED IN COLOUR

DRAWING TITLE
CIVIL PLAN

PROJECT No.	DRAWING No.	REVISION
TX18185.00 -	C5.00	A