

SSD 9522 MOD 2

657-708 MAMRE ROAD

KEMPS CREEK, NSW

DRAWING LIST:

DRAWING NO.	DRAWING TITLE
C013362.00-DA 01	DRAWING LIST & GENERAL NOTES
C013362.00-DA 02	CIVIL WORKS PLAN
C013362.00-DA 03	ROAD LONG SECTIONS AND TYPICAL CROSS SECTIONS-SHEET 1
C013362.00-DA 04	ROAD LONG SECTIONS AND TYPICAL CROSS SECTIONS-SHEET 2
C013362.00-DA 05	ROADWORKS DETAILS
C013362.00-DA 06	PAVEMENT PLAN
C013362.00-DA 07	INTERSECTION 1 PLAN
C013362.00-DA 08	INTERSECTION 2 PLAN
C013362.00-DA 09	TURNING PATHS PLAN
C013362.00-DA 10	FUNCTIONAL LAYOUT PLAN-LOT 5

GENERAL NOTES:

- G1 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.
- G2 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.
- G3 ALL DIMENSIONS SHOWN SHALL BE VERIFIED BY THE BUILDER 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.
- G4 DURING CONSTRUCTION THE STRUCTURE SHALL BE MAINTAINED IN A STABLE CONDITION AND NO PART SHALL BE OVERSTRESSED. TEMPORARY BRACING SHALL BE PROVIDED BY THE BUILDER TO KEEP THE WORKS AND EXCAVATIONS STABLE AT ALL TIMES.
- G5 UNLESS NOTED OTHERWISE ALL LEVELS ARE IN METRES AND ALL DIMENSIONS ARE IN MILLIMETRES.
- G6 ALL WORKS SHALL BE UNDERTAKEN IN ACCORDANCE WITH ACCEPTABLE SAFETY STANDARDS & APPROPRIATE SAFETY SIGNS SHALL BE INSTALLED AT ALL TIMES DURING THE PROGRESS OF THE JOB.

EROSION CONTROL NOTES

REFER TO EARLY WORKS DRAWINGS BY COSTIN ROE CONSULTING FOR ESTATE EROSION AND SEDIMENT CONTROL MEASURES.

STORMWATER DRAINAGE NOTES:

1. ALL STORMWATER WORKS TO BE COMPLETED IN ACCORDANCE WITH AUSTRALIAN STANDARD AS3500.3:2003 PLUMBING AND DRAINAGE, PART 3: STORMWATER DRAINAGE.
2. THE MINOR (PIPED) SYSTEM HAS BEEN DESIGNED FOR THE 1 IN 20 YEAR ARI STORM EVENT AND THE MAJOR (OVERLAND) SYSTEM HAS BEEN DESIGNED FOR THE 1 IN 100 YEAR ARI STORM EVENT.
3. ALL FINISHED PAVEMENT LEVELS SHALL BE AS INDICATED ON CIVIL WORKS PLANS.
4. PIT SIZES SHALL BE AS INDICATED IN THE SCHEDULE WHILE PIPE SIZES AND DETAILS ARE PROVIDED ON PLAN.
5. EXISTING STORMWATER PIT LOCATIONS AND INVERT LEVELS TO BE CONFIRMED BY SURVEY PRIOR TO COMMENCING WORKS ON SITE.
6. ALL STORMWATER PIPES Ø375 OR GREATER SHALL BE CLASS 2 (WITH HS2 SUPPORT) REINFORCED CONCRETE WITH RUBBER RING JOINTS UNLESS NOTED OTHERWISE.
7. ALL PIPES UP TO AND INCLUDING Ø300 TO BE uPVC GRADE SN8 UNO.
8. PIPE CLASS NOMINATED FOR IN-SERVICE LOADING CONDITIONS ONLY. CONTRACTOR IS TO MAKE ANY NECESSARY ADJUSTMENTS REQUIRED FOR CONSTRUCTION CONDITIONS.
9. ALL CONCRETE PITS GREATER THAN 1000mm DEEP SHALL BE REINFORCED USING N12-200 EACH WAY CENTERED IN WALL AND BASE, LAP MINIMUM 300mm WHERE REQUIRED. ALL CONCRETE FOR PITS SHALL BE Fc 32 MPa. PRECAST PITS MAY BE USED WITH THE APPROVAL OF THE ENGINEER.
10. IN ADDITION TO ITEM 6 ABOVE, ALL CONCRETE PITS GREATER THAN 3000mm DEEP SHALL HAVE WALLS AND BASE THICKNESS INCREASED TO 200mm.
11. PIPES SHALL BE LAID AS PER PIPE LAYING DETAILS. PARTICULAR CARE SHALL BE TAKEN TO ENSURE THAT THE PIPE IS FULLY AND EVENLY SUPPORTED. RAM AND PACK FILLING AROUND AND UNDER BACK OF PIPES AND PIPE FAUCETS, WITH NARROW EDGED RAMMERS OR OTHER SUITABLE TAMPING DETAILS.
12. CONCRETE PIPES UNDER, OR WITHIN THE ZONE OF INFLUENCE OF PAVED AREAS SHALL BE LAID USING HS2 TYPE SUPPORT, AS A MINIMUM, IN ACCORDANCE WITH AS 3725. AGGREGATE BACKFILL SHALL NOT BE USED FOR PIPE BEDDING AND OR HAUNCH/SIDE SUPPORT.
13. WHERE PIPE LINES ENTER PITS, PROVIDE 2m LENGTH OF STOCKING WRAPPED SLOTTED Ø100 uPVC TO EACH SIDE OF PIPE.
14. ALL SUBSOIL DRAINAGE LINES SHALL BE Ø100 SLOTTED uPVC WITH APPROVED FILTER WRAP LAID IN 300mm WIDE GRANULAR FILTER UNLESS NOTED OTHERWISE. LAY SUBSOIL LINES TO MATCH FALLS OF LAND AND/OR 1 IN 200 MINIMUM. PROVIDE CAPPED CLEANING EYE (RODDING POINT) AT UPSTREAM END OF LINE AND AT 30m MAX. CTS. PROVIDE SUBSOIL LINES TO ALL PAVEMENT / LANDSCAPED INTERFACES, TO REAR OF RETAINING WALLS (AS NOMINATED BY STRUCTURAL ENGINEER) AND AS SHOWN ON PLAN.
15. ALL PIPE GRADES 1 IN 100 MINIMUM UNO.
16. PROVIDE STEP IRONS IN PITS DEEPER THAN 1000mm.
17. MIN. 600 COVER TO PIPE OVERBETWEEN ROADS & MIN. 400 COVER BENEATH LANDSCAPED AND PEDESTRIAN AREAS.
18. PIT COVERS IN TRAFFICABLE PAVEMENT SHALL BE CLASS D 'HEAVY DUTY', THOSE LOCATED IN NON-TRAFFICABLE AREAS SHALL BE CLASS B 'MEDIUM DUTY' UNO.
19. PROVIDE CLEANING EYES (RODDING POINTS) TO PIPES AT ALL CORNERS AND T-JUNCTIONS WHERE NO PITS ARE PRESENT.
20. DOWN PIPES (DP) TO BE AS PER HYDRAULIC ENGINEERS DETAILS WITH CONNECTOR TO MATCH DP SIZE UNO. ON PLAN. PROVIDE CLEANING EYE AT GROUND LEVEL.
21. PIPE LENGTHS NOMINATED ON PLAN OR LONGSECTIONS ARE MEASURED FROM CENTER OF PITS TO THE NEAREST 0.5m AND DO NOT REPRESENT ACTUAL LENGTH. THE CONTRACTOR IS TO ALLOW FOR THIS.

ELECTRONIC INFORMATION NOTES:

1. THE ISSUED DRAWINGS IN HARD COPY OR PDF FORMAT TAKE PRECEDENCE OVER ANY ELECTRONICALLY ISSUED INFORMATION, LAYOUTS OR DESIGN MODELS.
2. THE CONTRACTOR'S DIRECT AMENDMENT OR MANIPULATION OF THE DATA OR INFORMATION THAT MIGHT BE CONTAINED WITHIN AN ENGINEER-SUPPLIED DIGITAL TERRAIN MODEL AND ITS SUBSEQUENT USE TO UNDERTAKE THE WORKS WILL BE SOLELY AT THE DISCRETION OF AND THE RISK OF THE CONTRACTOR.
3. THE CONTRACTOR IS REQUIRED TO HIGHLIGHT ANY DISCREPANCIES BETWEEN THE DIGITAL TERRAIN MODEL AND INFORMATION PROVIDED IN THE CONTRACT AND/OR DRAWINGS AND IS REQUIRED TO SEEK CLARIFICATION FROM THE SUPERINTENDENT.
4. THE ENGINEER WILL NOT BE LIABLE OR RESPONSIBLE FOR THE POSSIBLE ON-GOING NEED TO UPDATE THE DIGITAL TERRAIN MODEL, SHOULD THERE BE ANY AMENDMENTS OR CHANGES TO THE DRAWINGS OR CONTRACT INITIATED BY THE CONTRACTOR.

SURVEY NOTE:

COORDINATES DESIGN DRAWINGS ARE BASED ON GROUND SURVEY COORDINATE SYSTEM MGA2020 (ZONE 56). TO CONVERT TO GRID (ALLOWING FOR THE GEODESIC CURVATURE OF THE EARTH) PLEASE NOTE THE ORIGIN PM33568 (E:294645.403 N:6253924.312) AND SCALE FACTOR 1.000109. REFER TO BOXALL SURVEY 10129-005-TOPO REV B FOR DETAILS.

CROSS REFERENCE NOTES :

PLANS TO BE READ IN CONJUNCTION WITH CEMP & ASSOCIATED SUB PLANS INCLUDING THE CONSTRUCTION SOIL AND WATER MANAGEMENT PLAN (CSWMP), CONTAMINATION MANAGEMENT PLAN & CONSTRUCTION ACCESS MANAGEMENT PLAN.

FINISHED LEVELS PLAN NOTES:

1. LEVELS DATUM IS A.H.D.
2. ALL CONTOUR LINES & SPOT LEVELS INDICATE FINISHED PAVEMENT LEVELS UNO. ON PLAN.
3. THE MAJOR CONTOUR INTERVAL IS 0.5m
4. THE MINOR CONTOUR INTERVAL IS 0.1m.
5. MINIMUM PAVEMENT GRADE IS TO BE 1:10 (1%).
6. MAXIMUM PAVEMENT GRADE IS TO BE 1:20 (5%) IN CARPARKING AREAS AND 1:25 (4%) ELSEWHERE.
7. MAXIMUM RAMPS GRADES ARE TO BE 1:12 (8.3%) UNO. ON PLAN.
8. PROVIDE MINIMUM 3.0m LONG TRANSITION WHERE CHANGES GRADE EXCEED 1:20 (5%).
9. PERMANENT BATTER SLOPES ARE TO HAVE A MAXIMUM GRADE OF 1:3H.
10. ALL BATTER SLOPES WITH GRADES AT OR EXCEEDING 1:6H ARE TO BE TURFED IMMEDIATELY OR APPROPRIATE EROSION CONTROL IS TO BE PROVIDED TO THE SATISFACTION OF THE ENGINEER.
11. ALL ACCESS ROADS TO HAVE A CROSSFALL OF 3% AS INDICATED ON PLAN.
12. ALL FOOTPATHS ARE TO FALL AWAY FROM THE BOUNDARY AT 2.5% NOMINAL GRADE.
13. ALL PAVEMENTS ARE TO BE SET AT 50mm BELOW THE FINISHED FLOOR LEVEL OF THE WAREHOUSE AND OFFICE AREAS.



LOCALITY PLAN
NOT TO SCALE

FOR DEVELOPMENT APPLICATION

AMENDMENTS	DATE	ISSUE	AMENDMENTS	DATE	ISSUE
01.09.21	C				
05.07.21	B				
25.06.21	A				

ALTIS
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FRASERS
PROPERTY


PROJECT
MAMRE SOUTH PRECINCT
657 - 708 MAMRE ROAD
KEMPS CREEK, 278, NSW

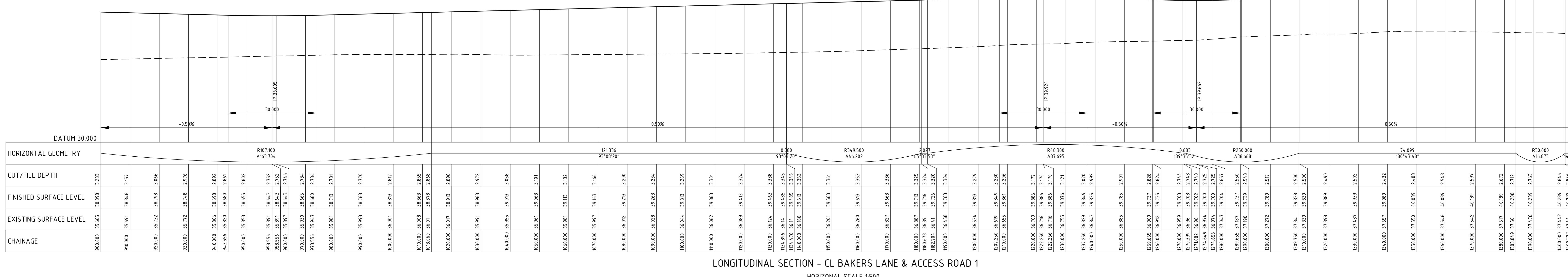
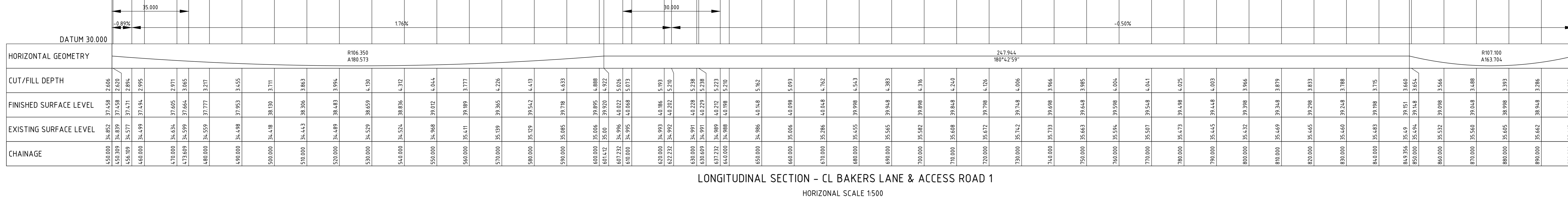
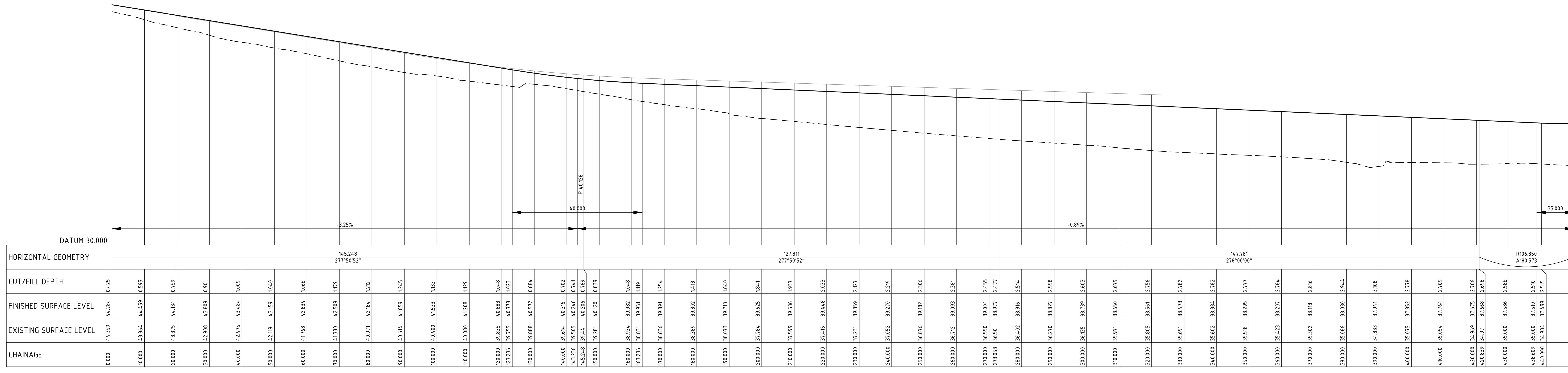
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DRAWING TITLE
DRAWING LIST AND
GENERAL NOTES
DRAWING NO C013362.00-DA01
ISSUE C

PRECISION | COMMUNICATION | ACCOUNTABILITY





FOR DEVELOPMENT APPLICATION

ISSUED FOR DEVELOPMENT APPLICATION	01.09.21
AMENDMENTS	DATE



CLIENT	 <p>FRASERS PROPERTY</p>					
PROJECT	<p>MAMRE SOUTH PRECINCT 657 - 708 MAMRE ROAD KEMPS CREEK, 2178, NSW</p>					
DESIGNED	DRAWN	DATE	CHECKED	SIZE	SCALE	

**CONSULT AUSTRALIA**

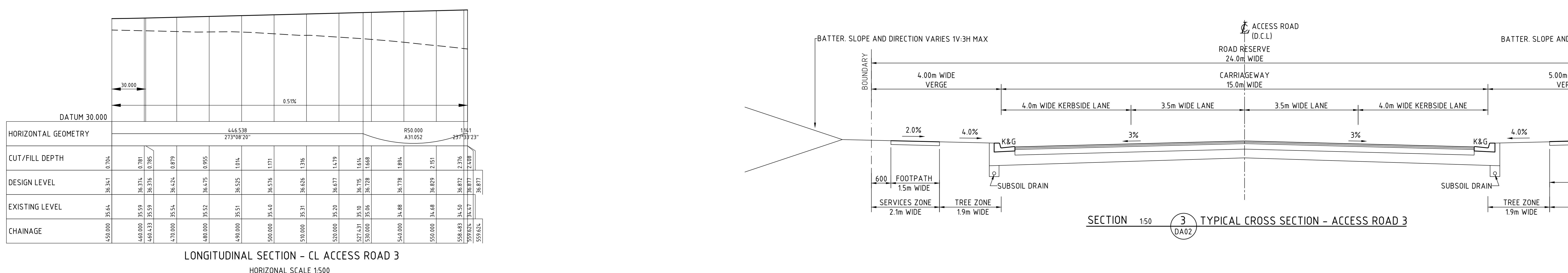
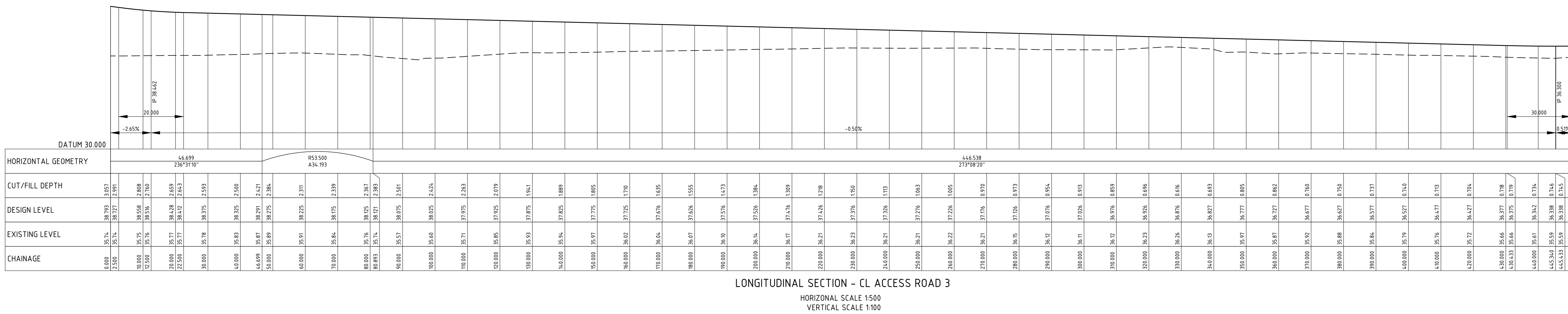
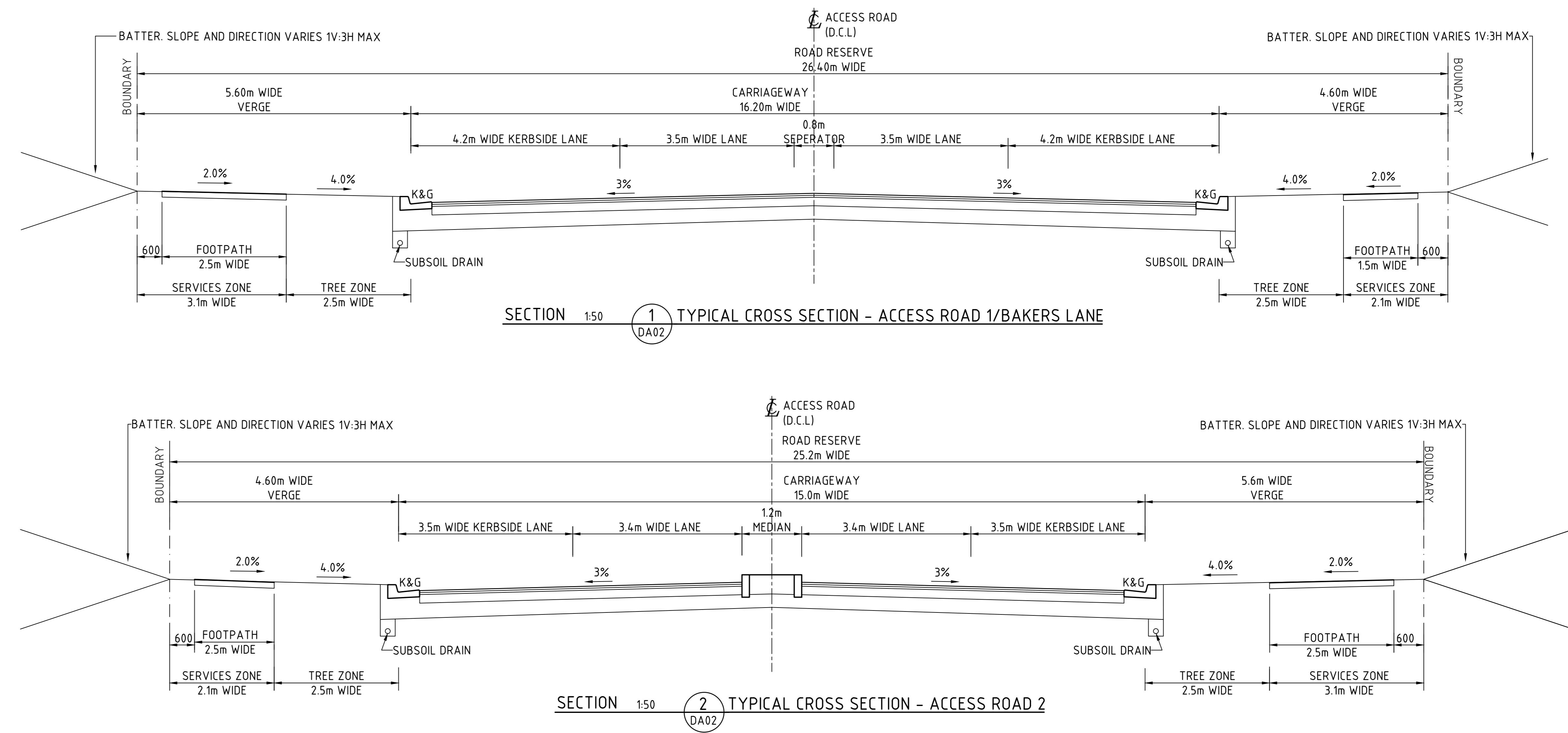
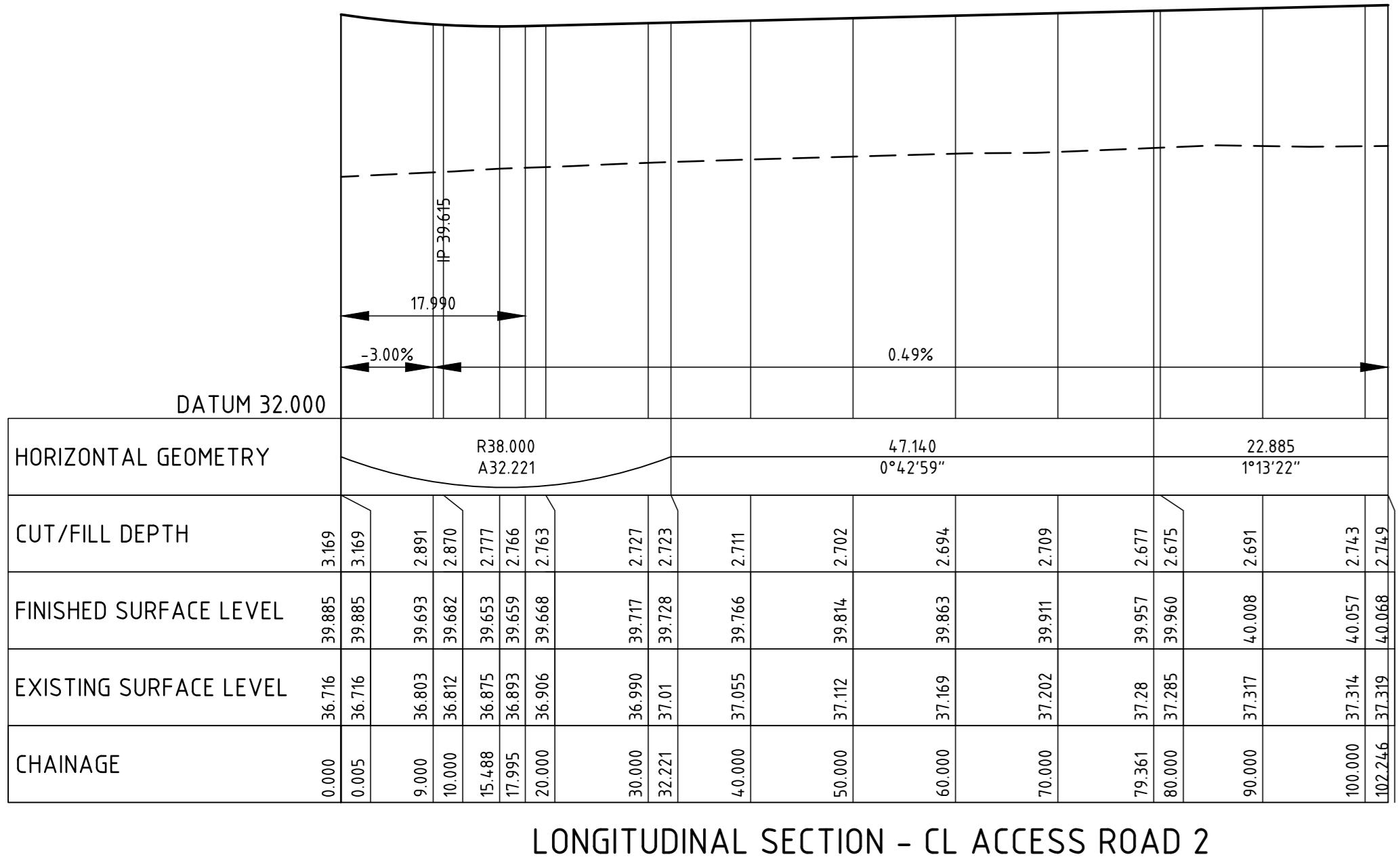
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DRAWING TITLE
ROAD LONG SECTIONS
SHEET 1

ACCOUNTABILITY DRAWING No C013362.00 DA03 ISSUE A



1m 0 1 2 3 4 5 6 7 8 9 10m
SCALE 1:100 AT A0 SHEET SIZE

500mm 0 1 2 3 4 5m
SCALE 1:50 AT A0 SHEET SIZE

5m 0 10 20 30 40 50m
SCALE 1:500 AT A0 SHEET SIZE

FOR DEVELOPMENT APPLICATION

ISSUED FOR DEVELOPMENT APPLICATION	01/09/21	B
ISSUED FOR DEVELOPMENT APPLICATION	25/06/21	A
AMENDMENTS	DATE	ISSUE

AMENDMENTS	DATE	ISSUE	AMENDMENTS	DATE	ISSUE
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ALTIS
PROPERTY PARTNERS

FRASERS
PROPERTY

CLIENT

PROJECT
MAMRE SOUTH PRECINCT
657 - 708 MAMRE ROAD
KEMPS CREEK, 2718, NSW

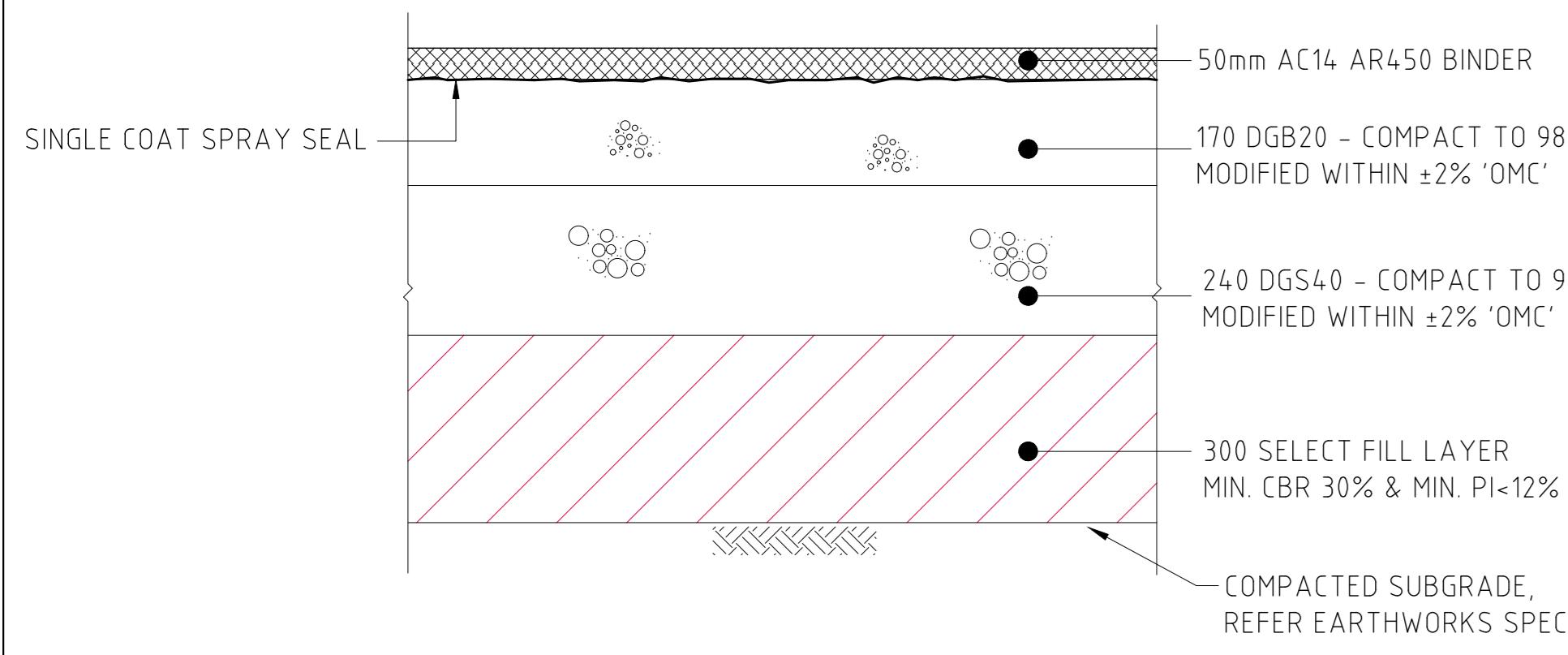


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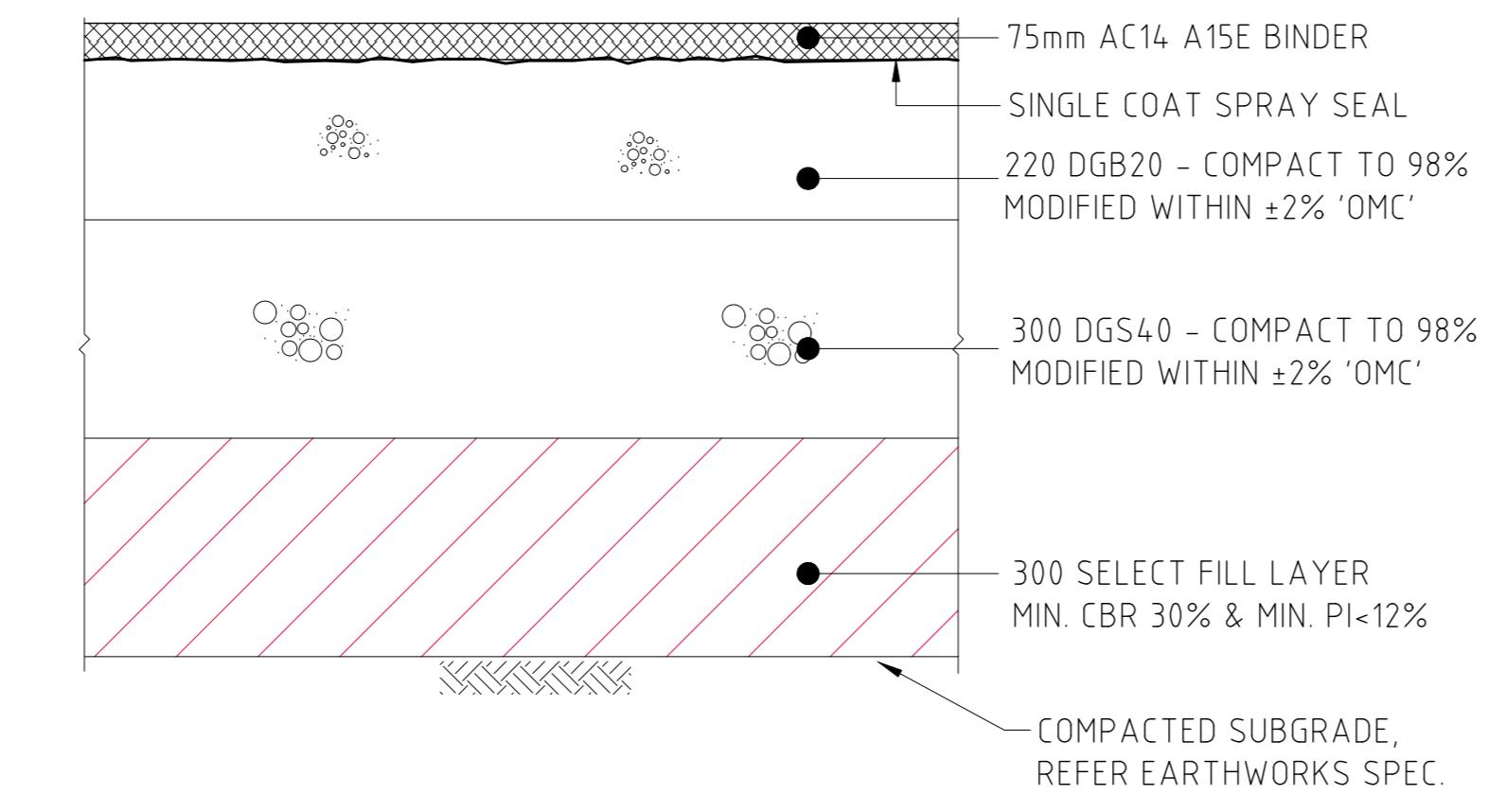
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DRAWING TITLE
ROAD LONG SECTIONS AND
TYPICAL SECTIONS-SHEET 2
DRAWING NO
C013362.00-DA04
ISSUE B



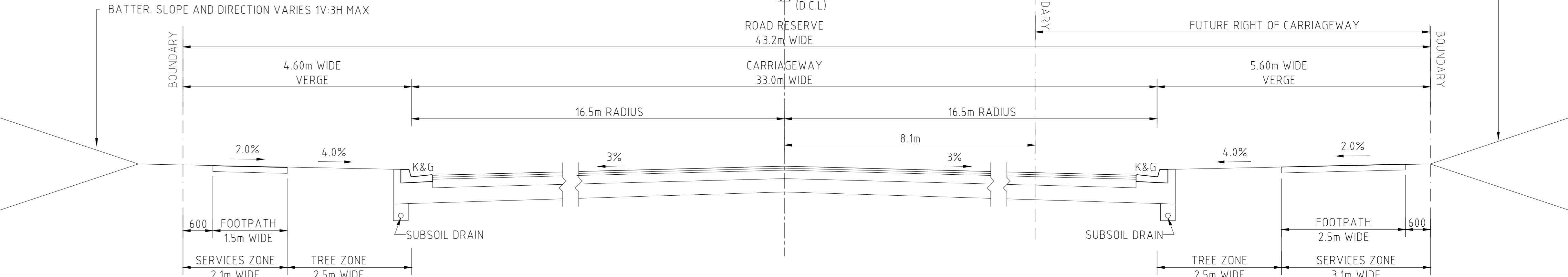
STANDARD INDUSTRIAL ACCESS PAVEMENT DETAILS

SCALE 1:10
DESIGN TRAFFIC 1×10^7 ESA's
DESIGN CBR VALUE OF 2%
NOTE: FINAL DESIGN SUBJECT TO
FURTHER TESTING TO CONFIRM
CBR VALUE



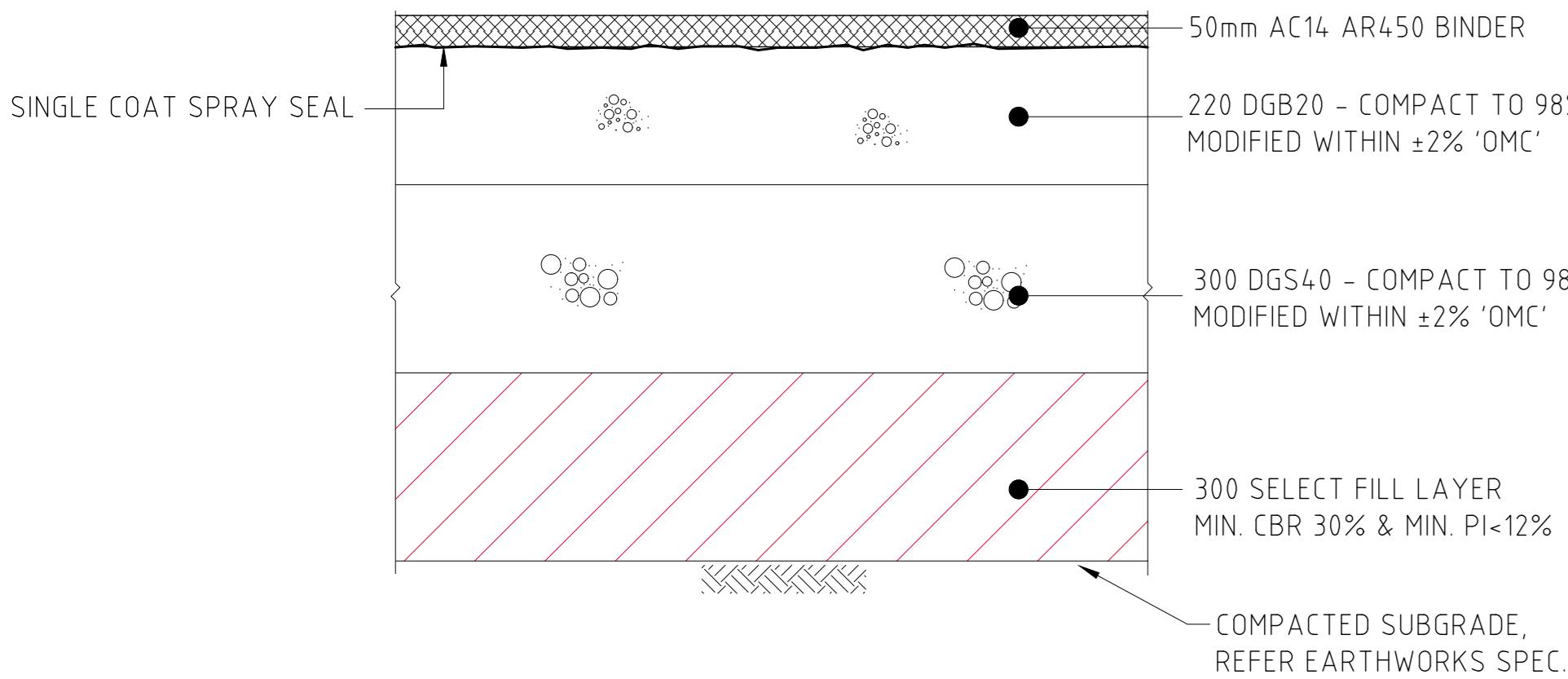
CUL-DE-SAC PAVEMENT DETAILS

SCALE 1:10
DESIGN TRAFFIC 5×10^7 ESA's
DESIGN CBR VALUE OF 2%
NOTE: FINAL DESIGN SUBJECT TO
FURTHER TESTING TO CONFIRM
CBR VALUE



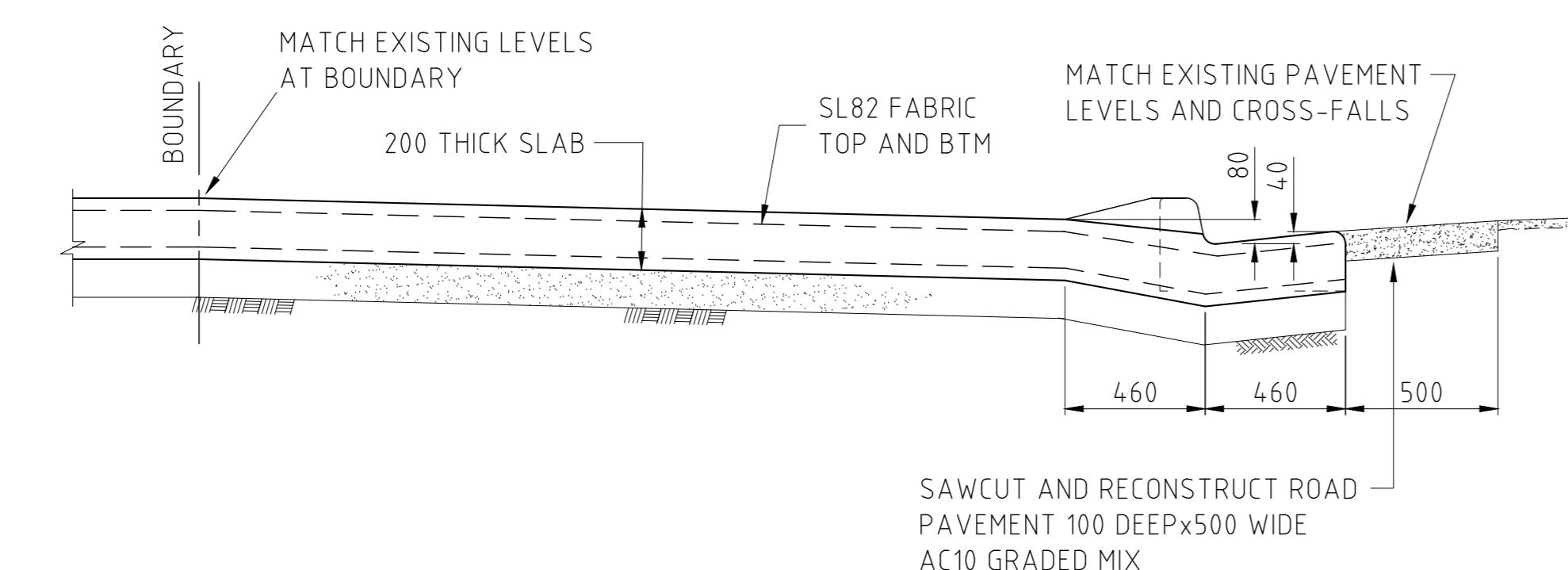
TYPICAL CROSS SECTION - ACCESS ROAD 1 CUL-DE-SAC

SCALE 1:50



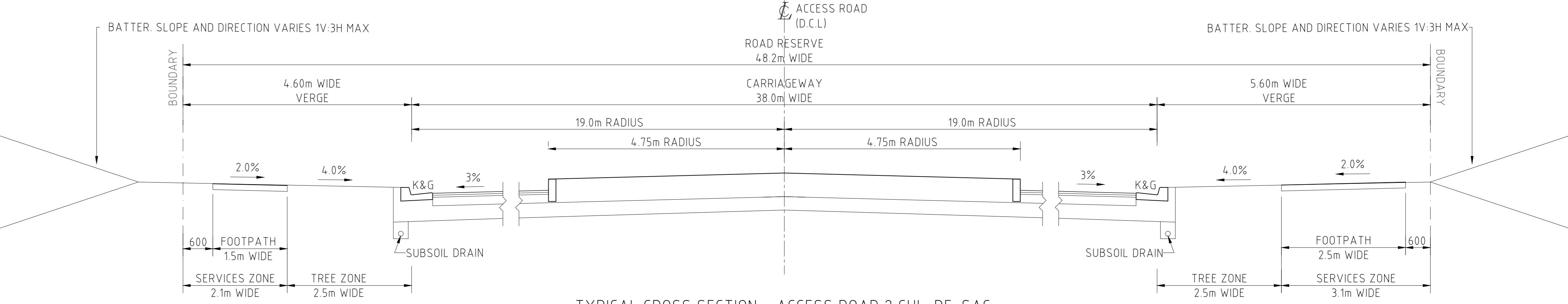
NORTH - SOUTH DISTRIBUTOR PAVEMENT DETAILS

SCALE 1:10
DESIGN TRAFFIC 5×10^7 ESA's
DESIGN CBR VALUE OF 2%
NOTE: FINAL DESIGN SUBJECT TO
FURTHER TESTING TO CONFIRM
CBR VALUE



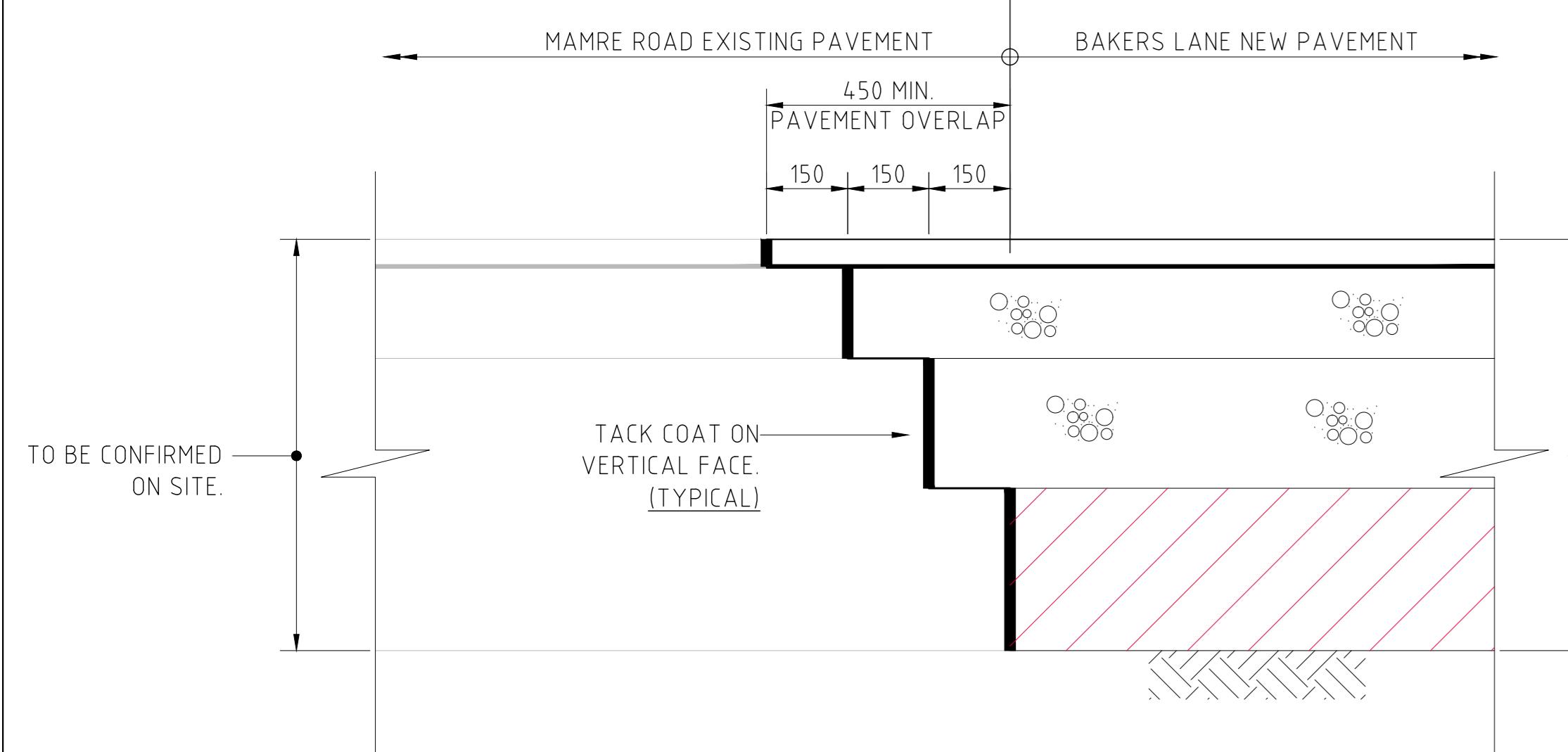
INDUSTRIAL VEHICULAR CROSS OVER DETAIL - IVC

SCALE 1:20



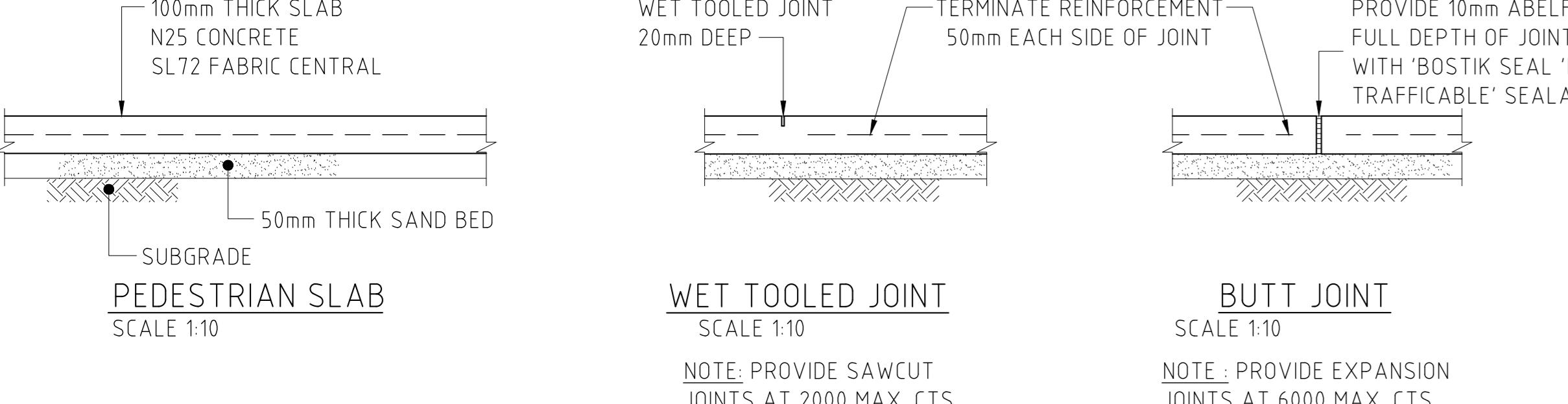
TYPICAL CROSS SECTION - ACCESS ROAD 2 CUL-DE-SAC

SCALE 1:50



TYPICAL NEW / EXISTING
PAVEMENT INTERFACE DETAIL

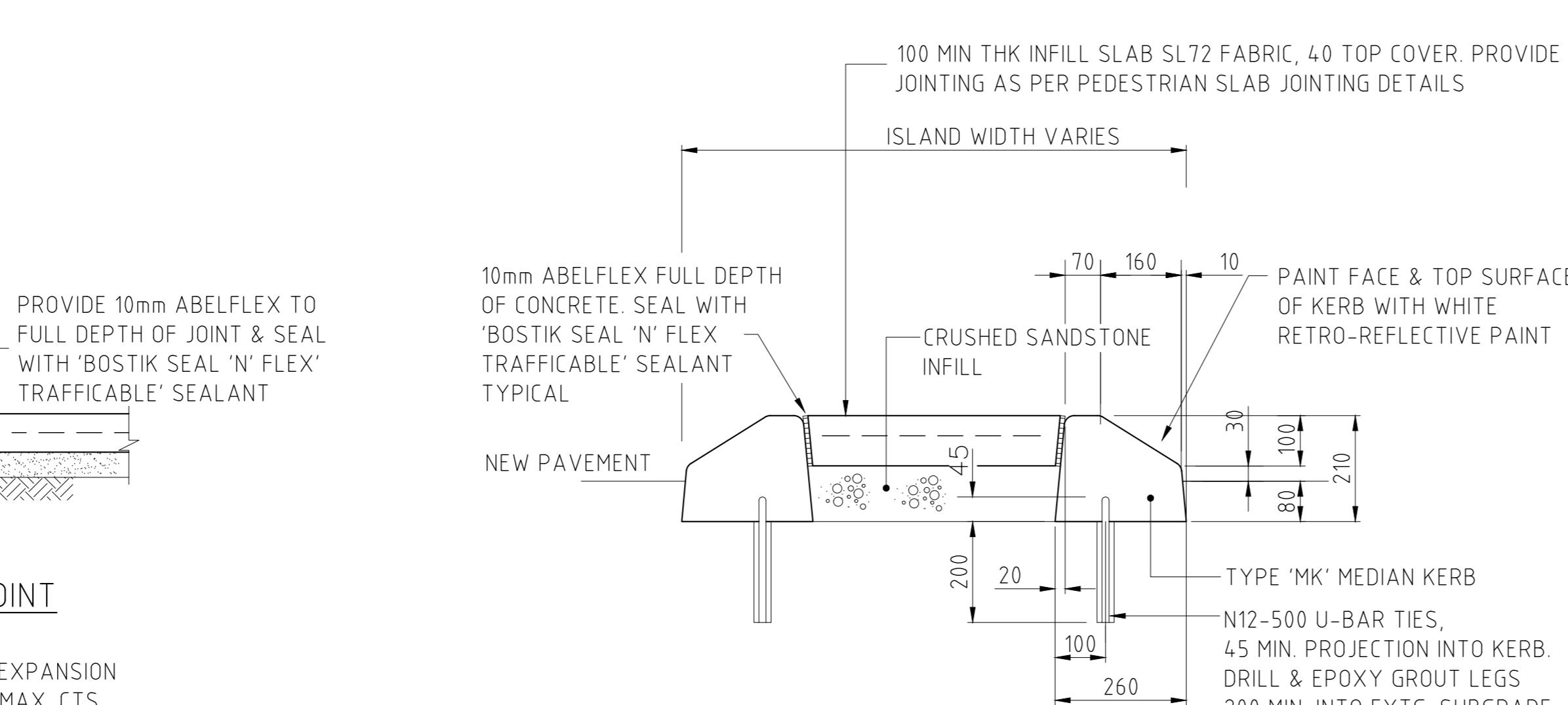
SCALE 1:10



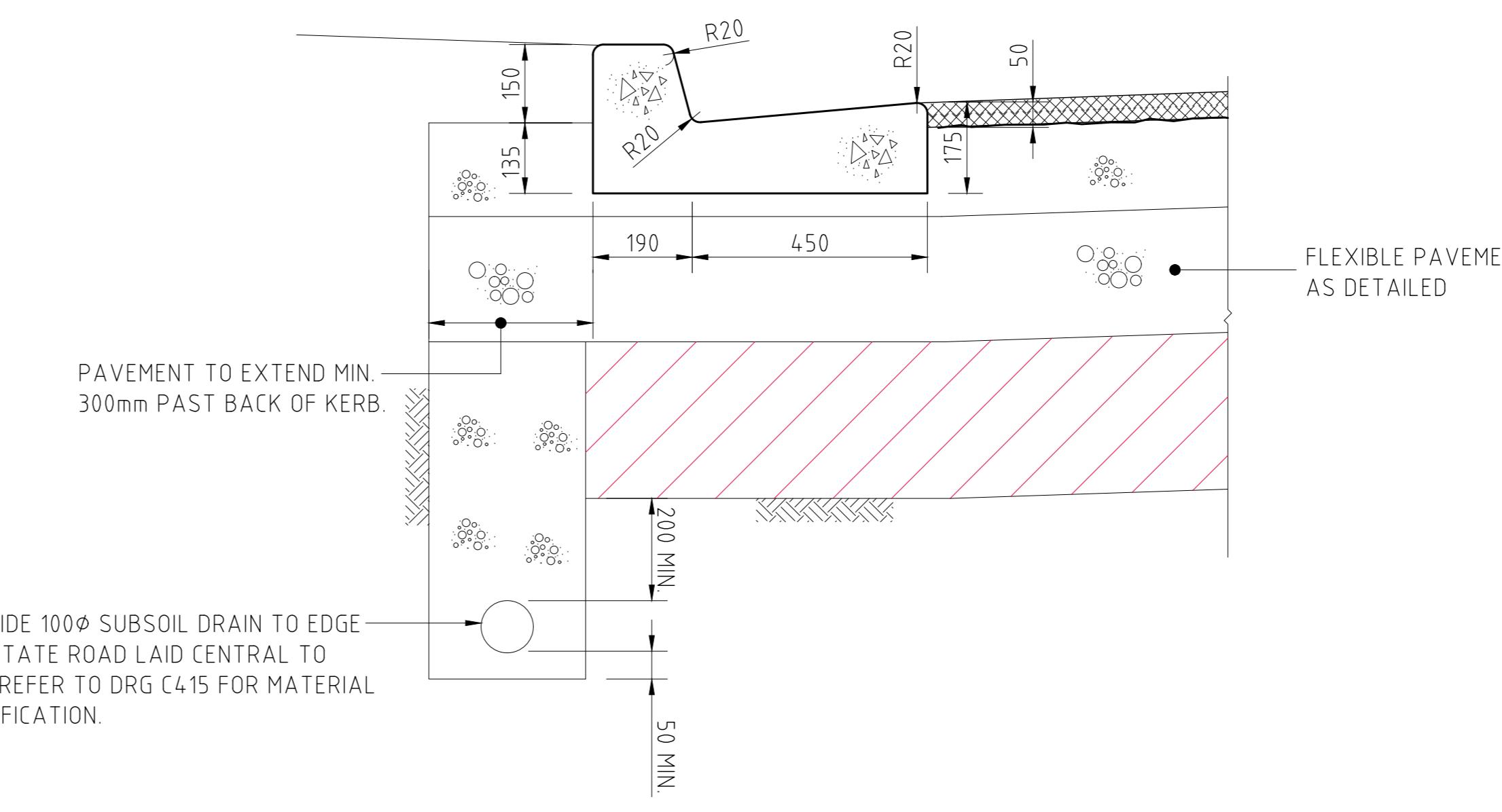
PEDESTRIAN SLAB DETAILS

FOR DEVELOPMENT APPLICATION

CUL-DE-SAC SECTIONS ADDED	02/08/21	B
ISSUED FOR DEVELOPMENT APPLICATION	25/06/21	A
AMENDMENTS	DATE	ISSUE

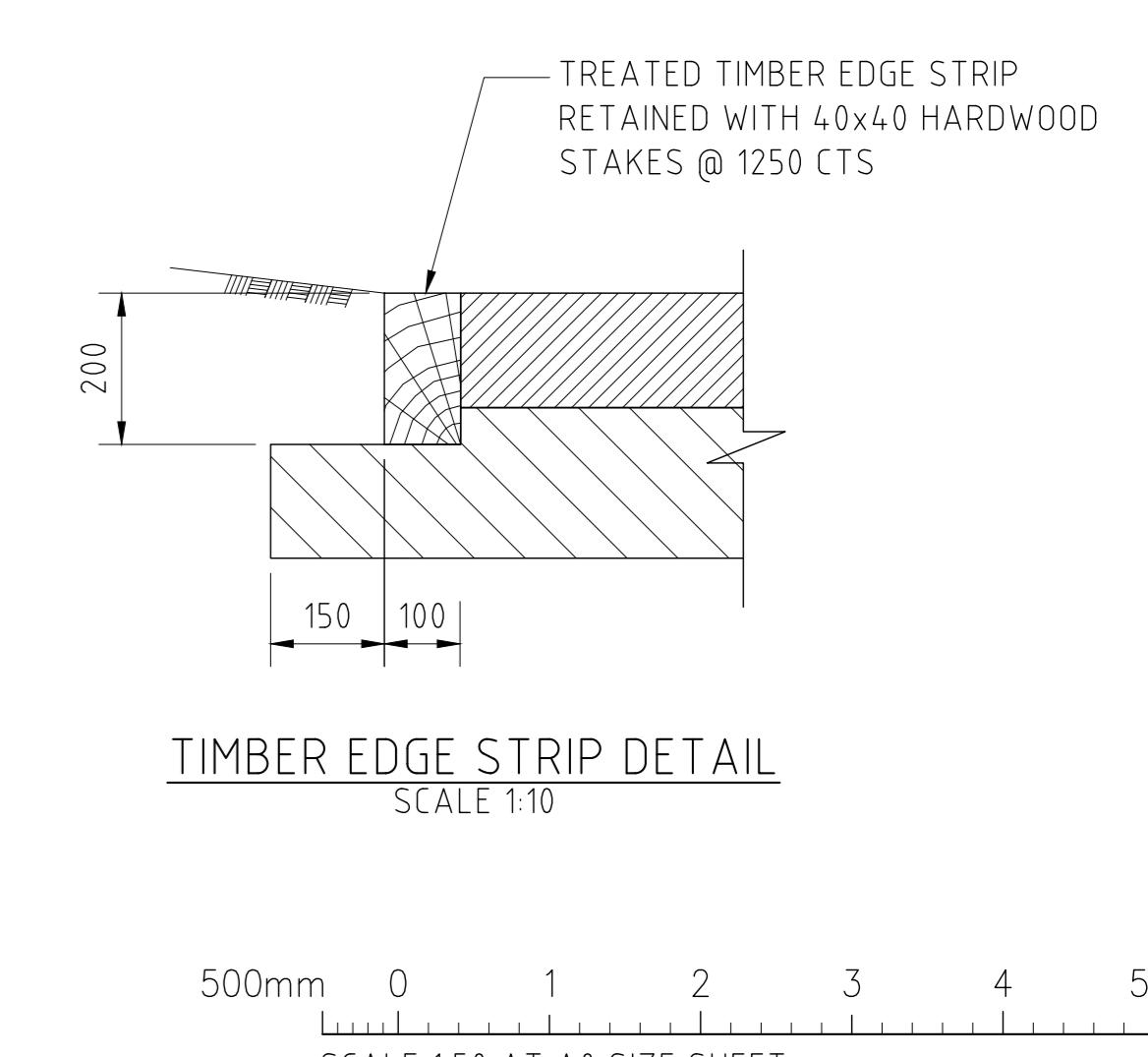


TYPICAL SECTION THRU' MEDIAN ISLAND



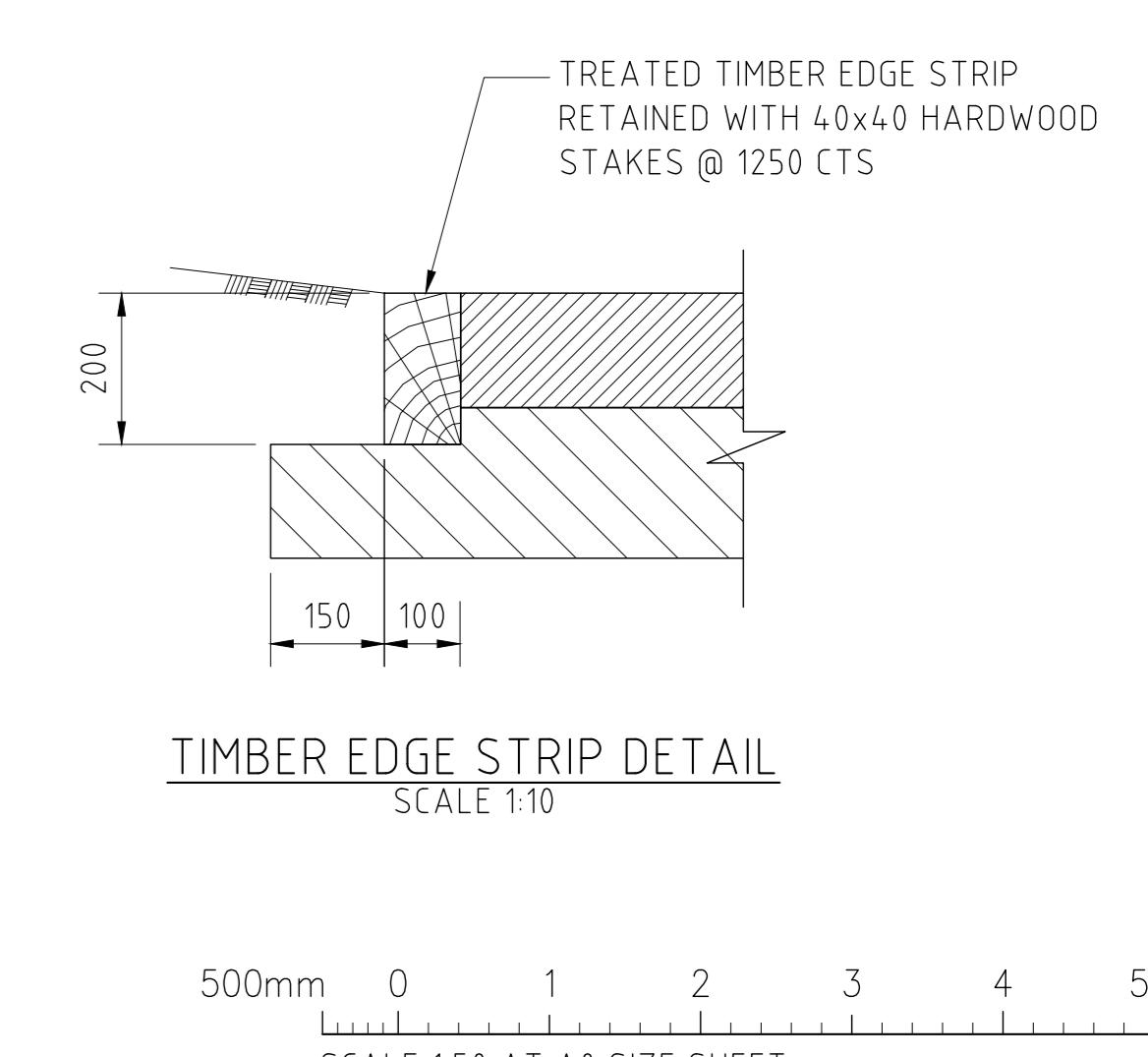
PENRITH CITY COUNCIL KERB & GUTTER

SCALE 1:10



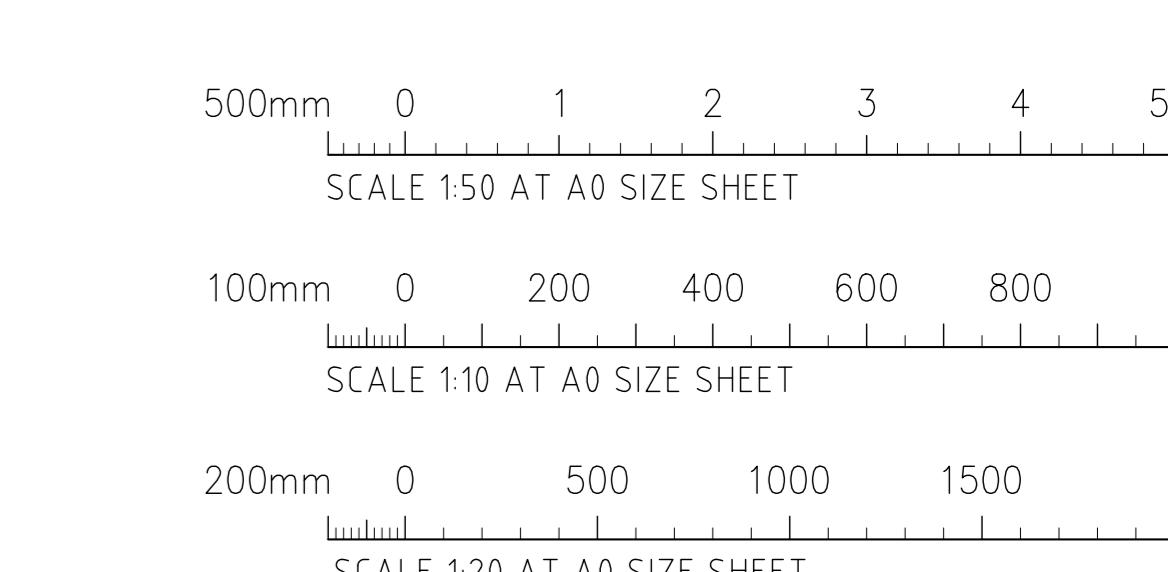
BASIN MAINTENANCE ACCESS
TRACK PAVEMENT DETAIL


SCALE 1:50



TIMBER EDGE STRIP DETAIL

SCALE 1:10



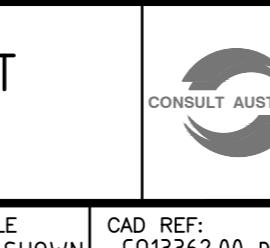


FOR DEVELOPMENT APPLICATION

AMENDMENT	DATE	ISSUE	AMENDMENT	DATE	ISSUE
ISSUED FOR DEVELOPMENT APPLICATION	01.09.21	C			
ISSUED FOR DEVELOPMENT APPLICATION	05.07.21	B			
ISSUED FOR DEVELOPMENT APPLICATION	25.06.21	A			



PROJECT
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657 - 708 MAMRE ROAD
KEMPS CREEK, 2718, NSW



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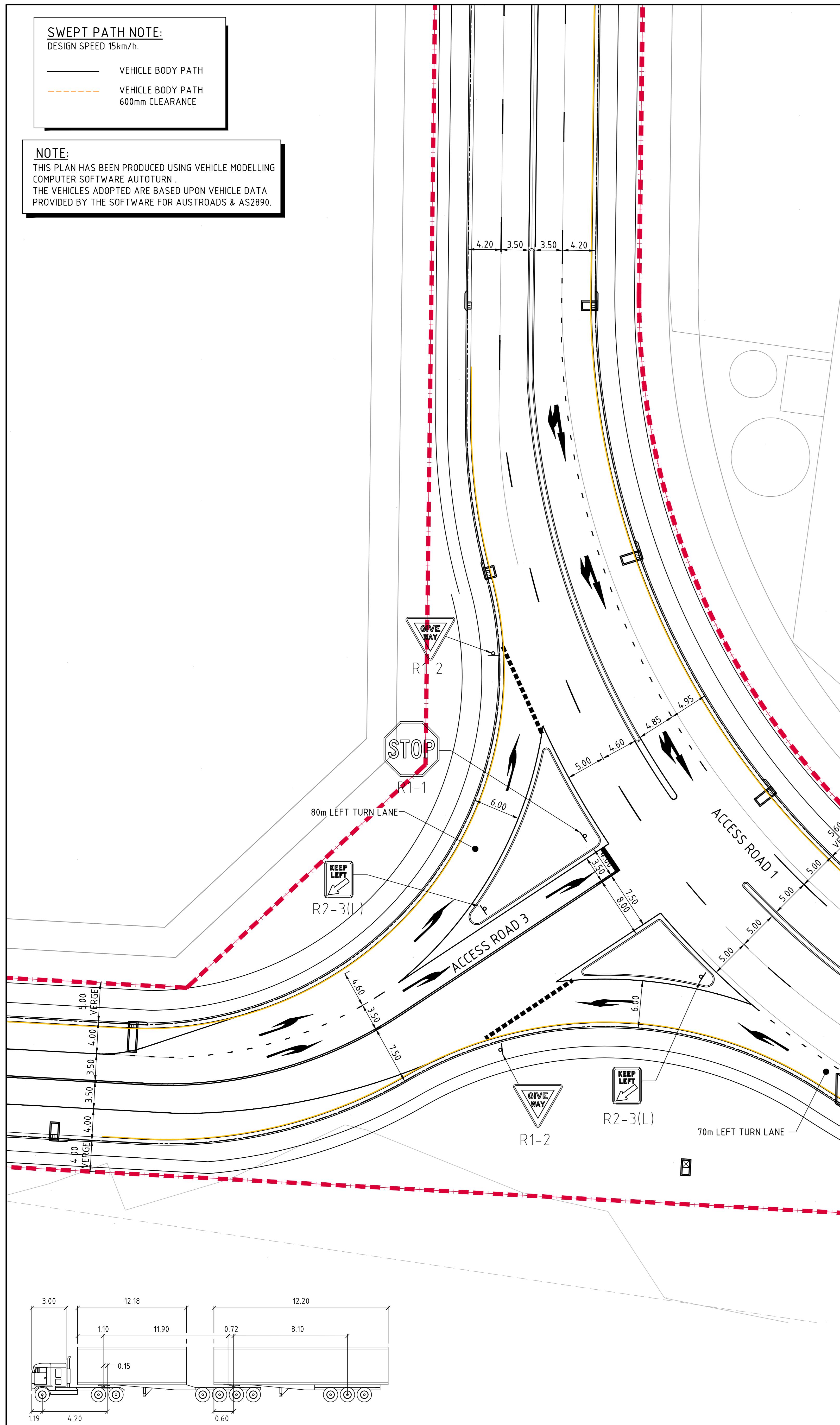
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DRAWING TITLE
PAVEMENT TYPE PLAN
DRAWING No
C013362.00-DA06
ISSUE C

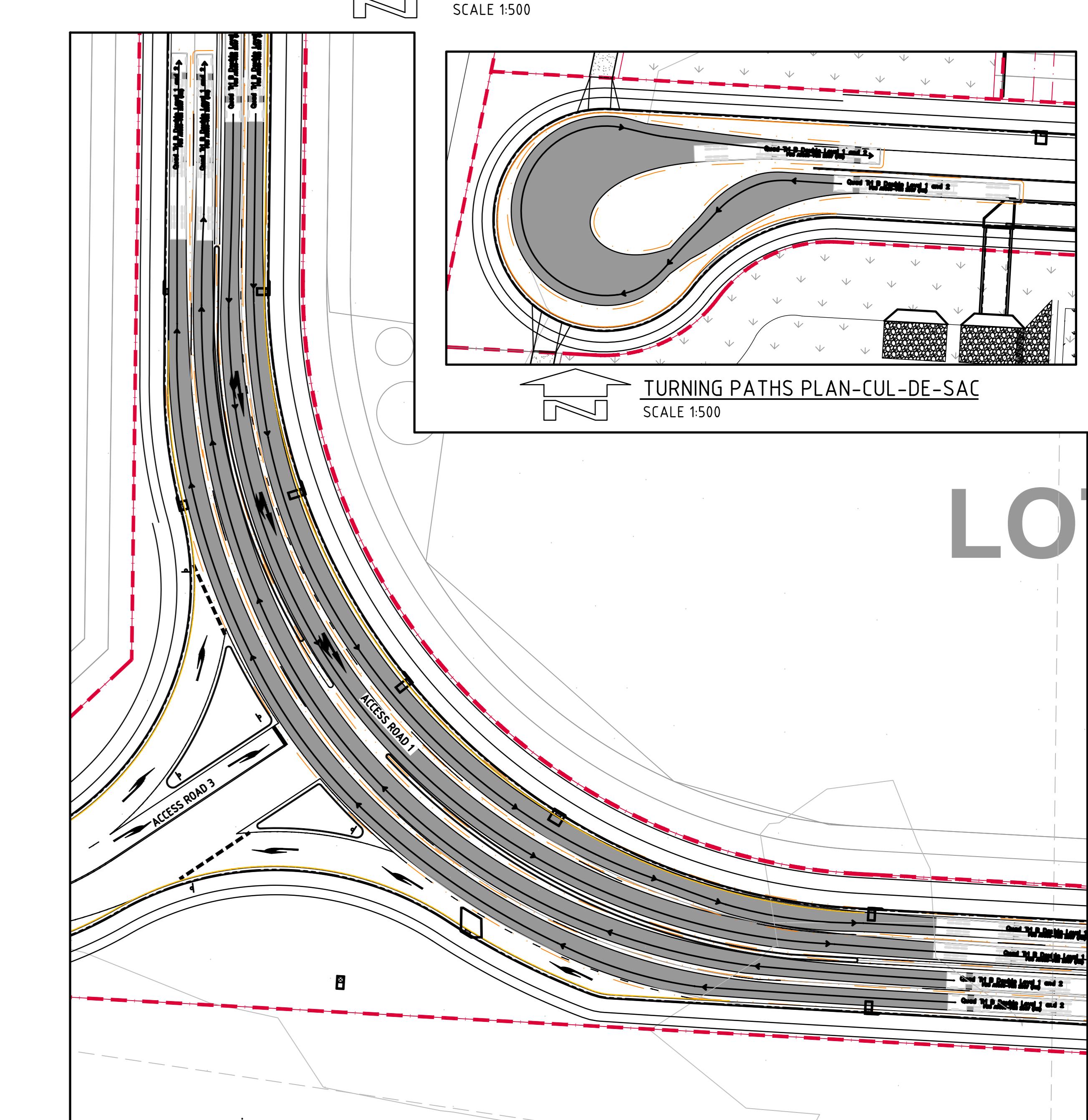
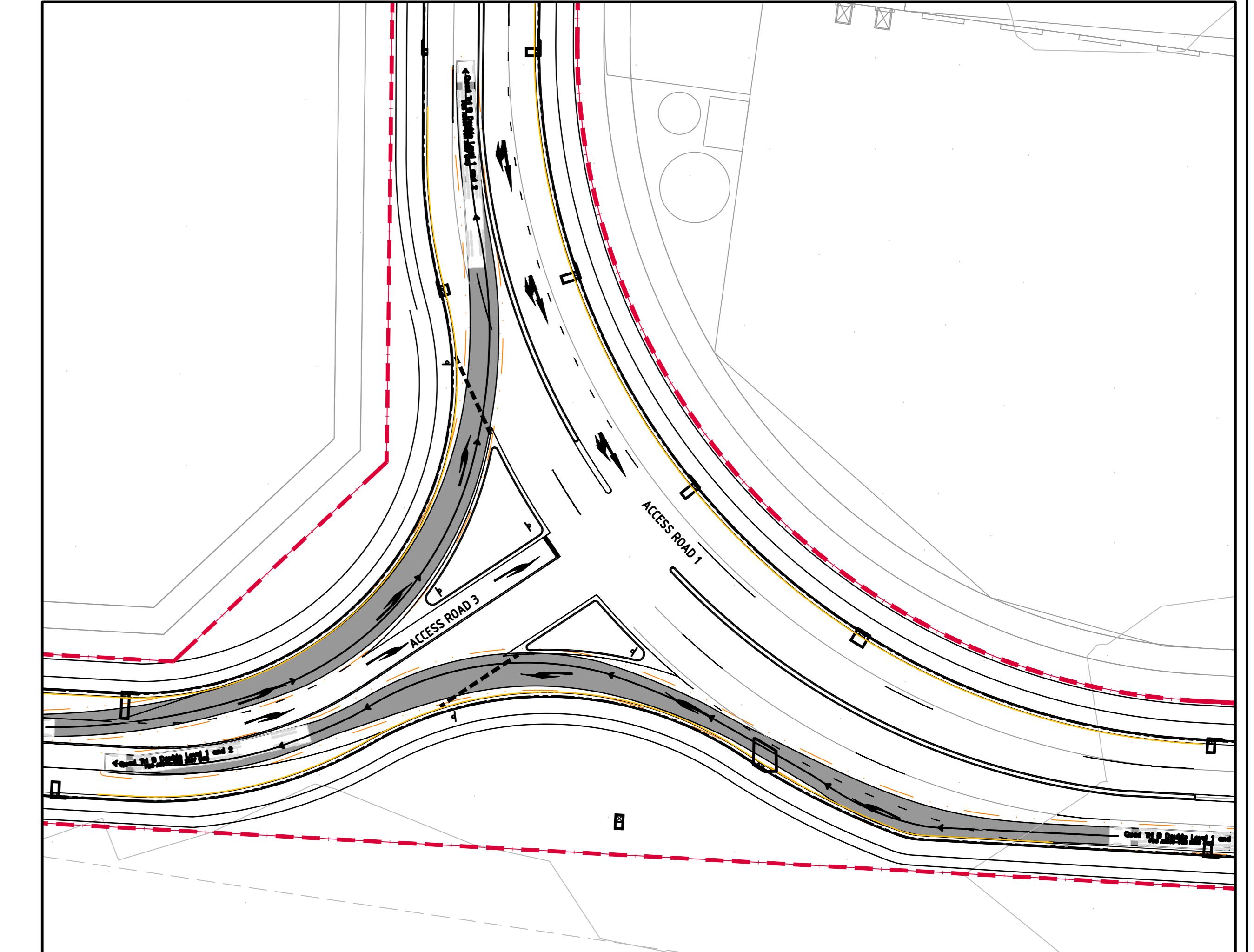
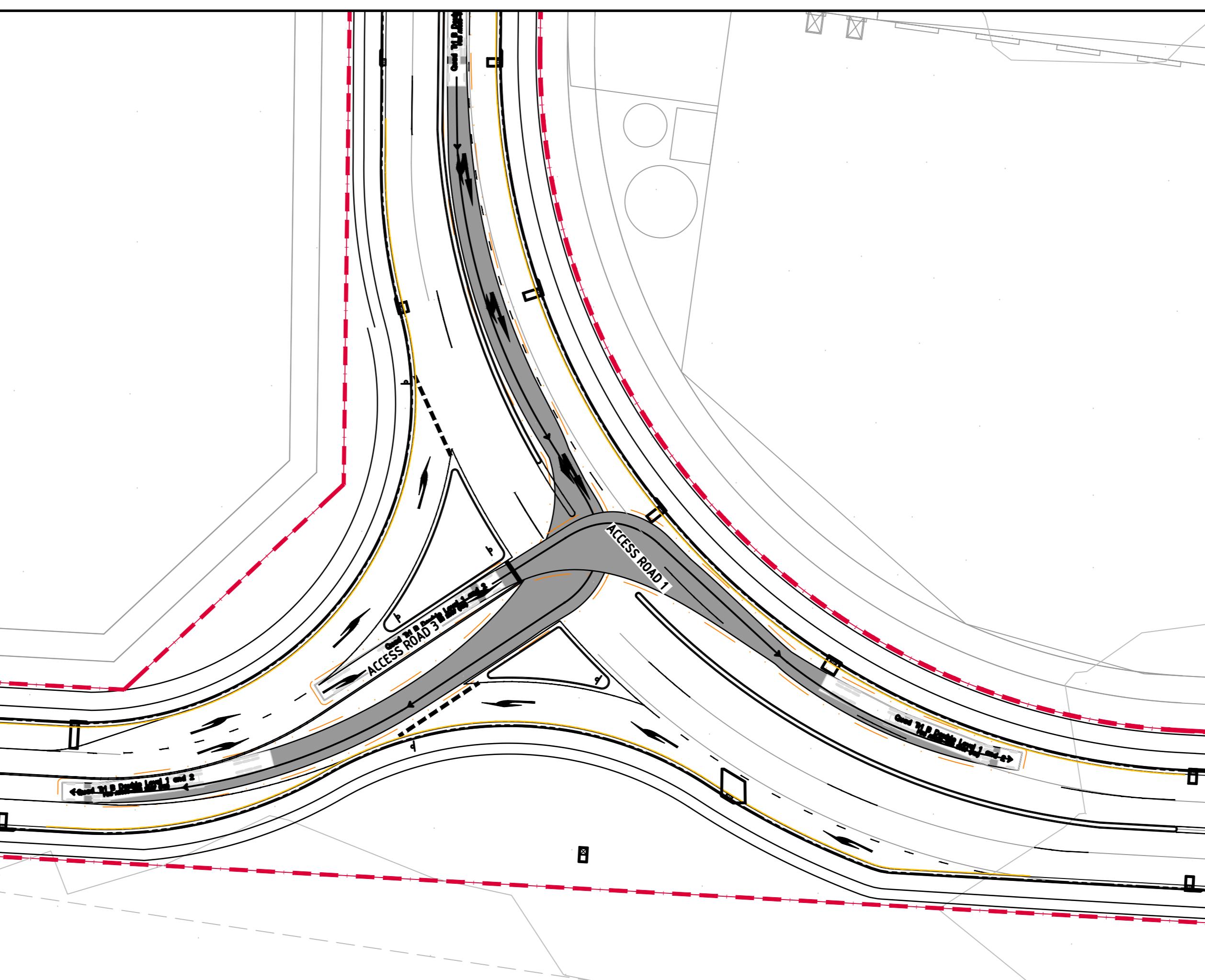
SWEPT PATH NOTE:
DESIGN SPEED 15km/h.

— VEHICLE BODY PATH
- - - VEHICLE BODY PATH
600mm CLEARANCE

NOTE:
THIS PLAN HAS BEEN PRODUCED USING VEHICLE MODELLING
COMPUTER SOFTWARE AUTOTURN.
THE VEHICLES ADDED ARE BASED UPON VEHICLE DATA
PROVIDED BY THE SOFTWARE FOR AUSTROADS & AS2890.



AMENDMENTS	DATE	ISSUE	AMENDMENTS	DATE	ISSUE
	01.09.21	C			
	05.07.21	B			
	25.06.21	A			



ALTIS
PROPERTY PARTNERS

FRASERS
PROPERTY

MAMRE SOUTH PRECINCT
657 - 708 MAMRE ROAD
KEMPS CREEK, 2718, NSW



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DRAWING TITLE
INTERSECTION 1 PLAN

DRAWING NO
C013362.00-DA07

ISSUE C

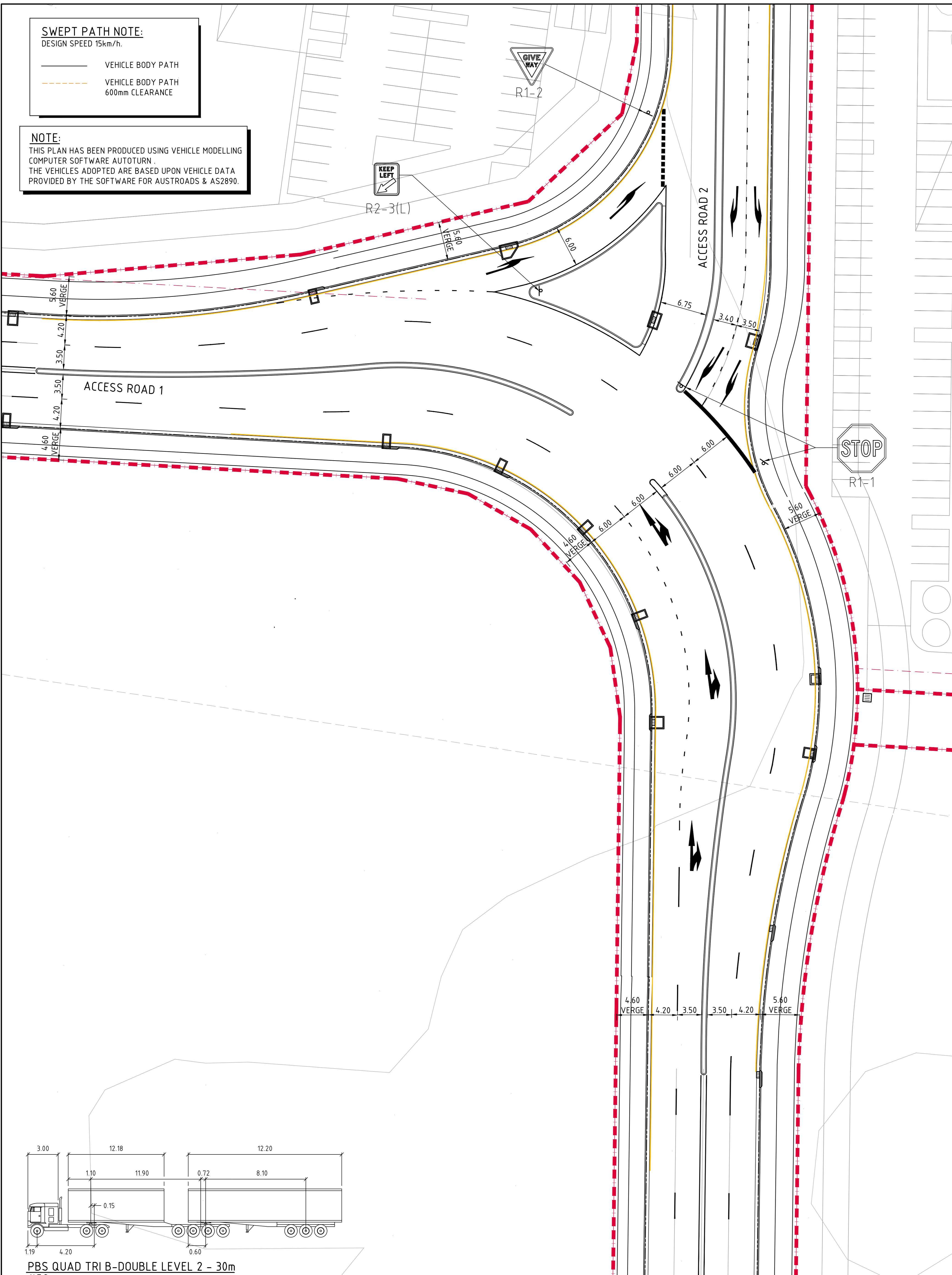
SWEPT PATH NOTE:
DESIGN SPEED 15km/h.



— VEHICLE BODY PATH

— VEHICLE BODY PATH
600mm CLEARANCE

NOTE:
THIS PLAN HAS BEEN PRODUCED USING VEHICLE MODELLING
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THE VEHICLES ADOPTED ARE BASED UPON VEHICLE DATA
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INTERSECTION 2 PLAN - ROAD 1 & 2

SCALE 1:250

FOR DEVELOPMENT APPLICATION

SUED FOR DEVELOPMENT APPLICATION	01.09.21	C
SUED FOR DEVELOPMENT APPLICATION	05.07.21	B
SUED FOR DEVELOPMENT APPLICATION	25.06.21	A

ALTIS

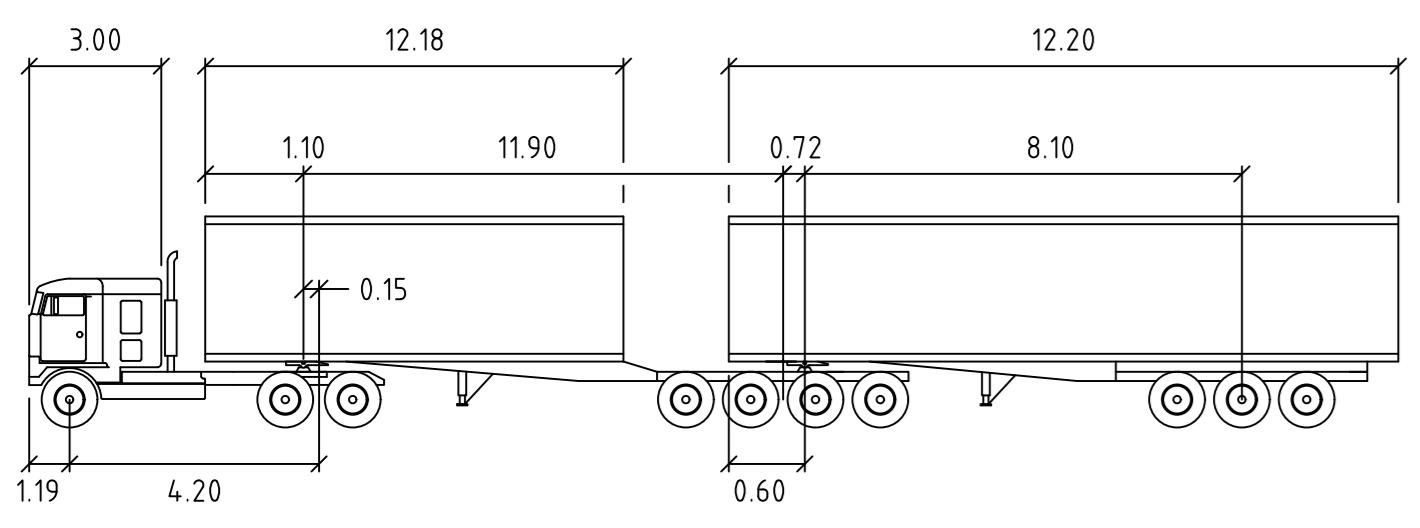
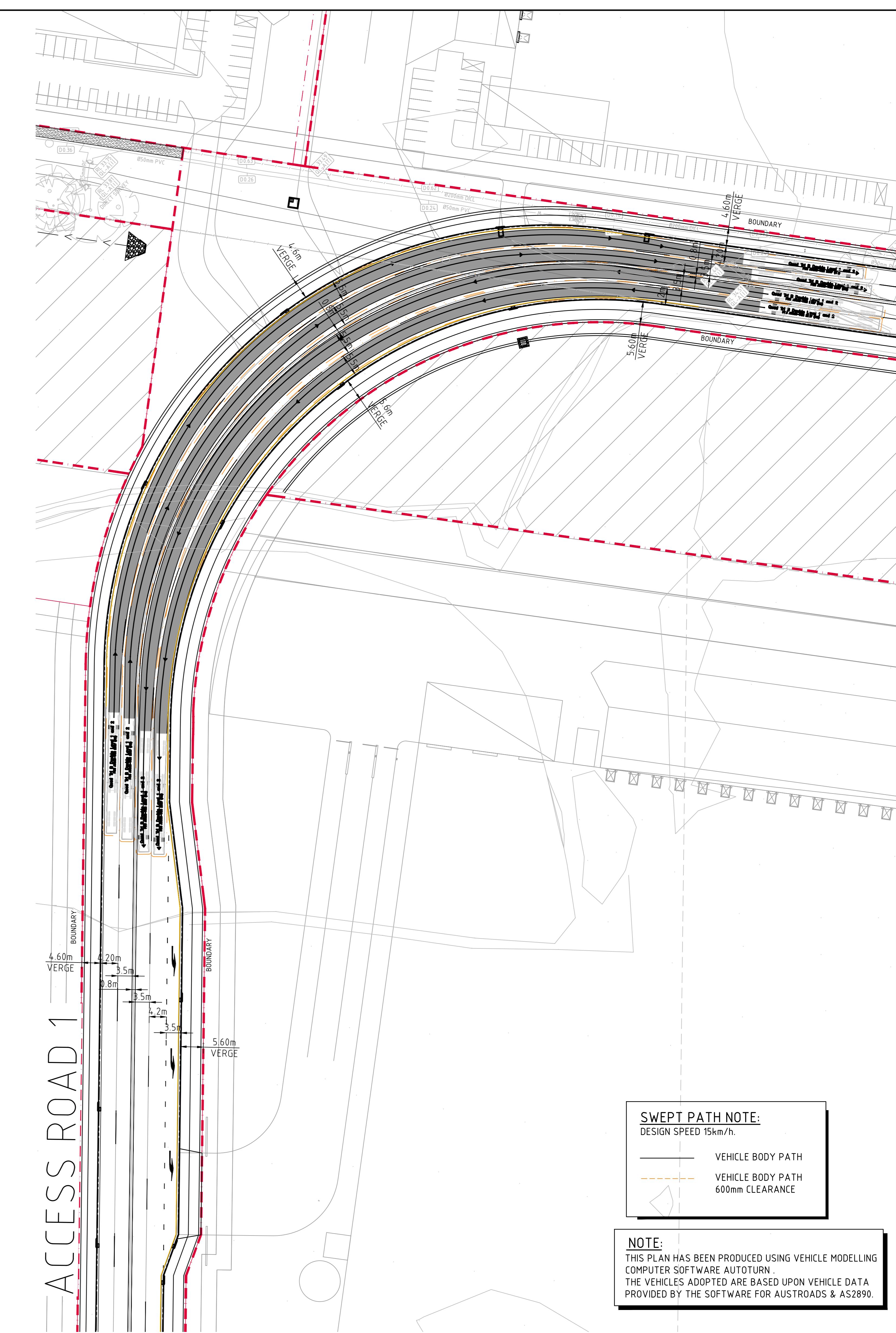
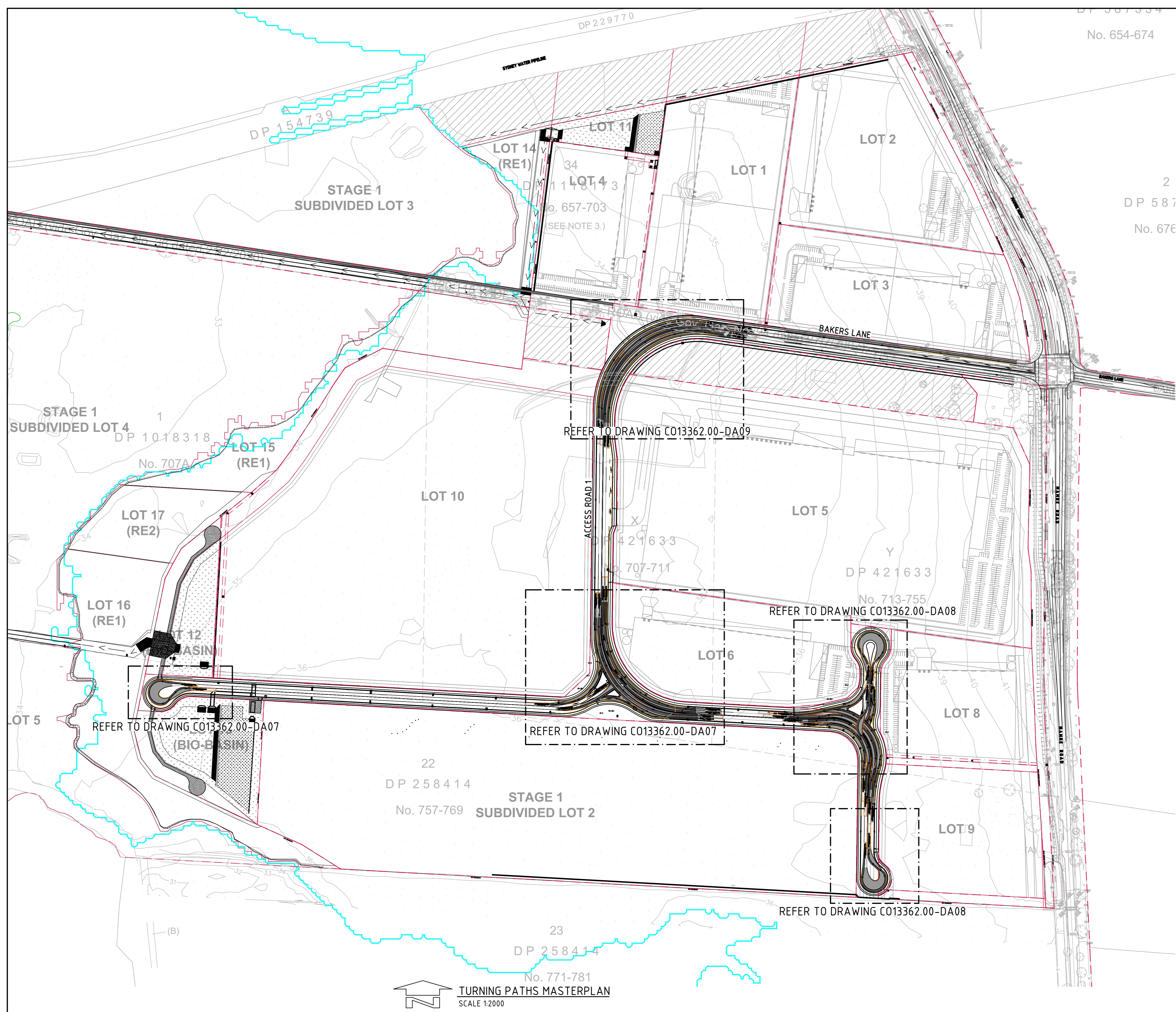
PROPERTY PARTNER

CLIENT

PROJECT
MAMRE SOUTH PRECINCT
657 - 708 MAMRE ROAD
KEMPS CREEK, 2178, NSW

Costin Roe Consulting

DRAWING TITLE
INTERSECTION 2 PLAN



PBS QUAD TRI B-DOUBLE LEVEL 2 - 30m
NTS

N.T.S.	meters	
Tractor Width	: 2.50	Lock to Lock Time
Trailer Width	: 2.50	Steering Angle
Tractor Track	: 2.50	Articulating Angle
Trailer Track	: 2.50	

FOR DEVELOPMENT APPLICATION



PROJECT
MAMRE SOUTH PRECINCT
657 - 708 MAMRE ROAD
KEMPS CREEK, 2178, NSW

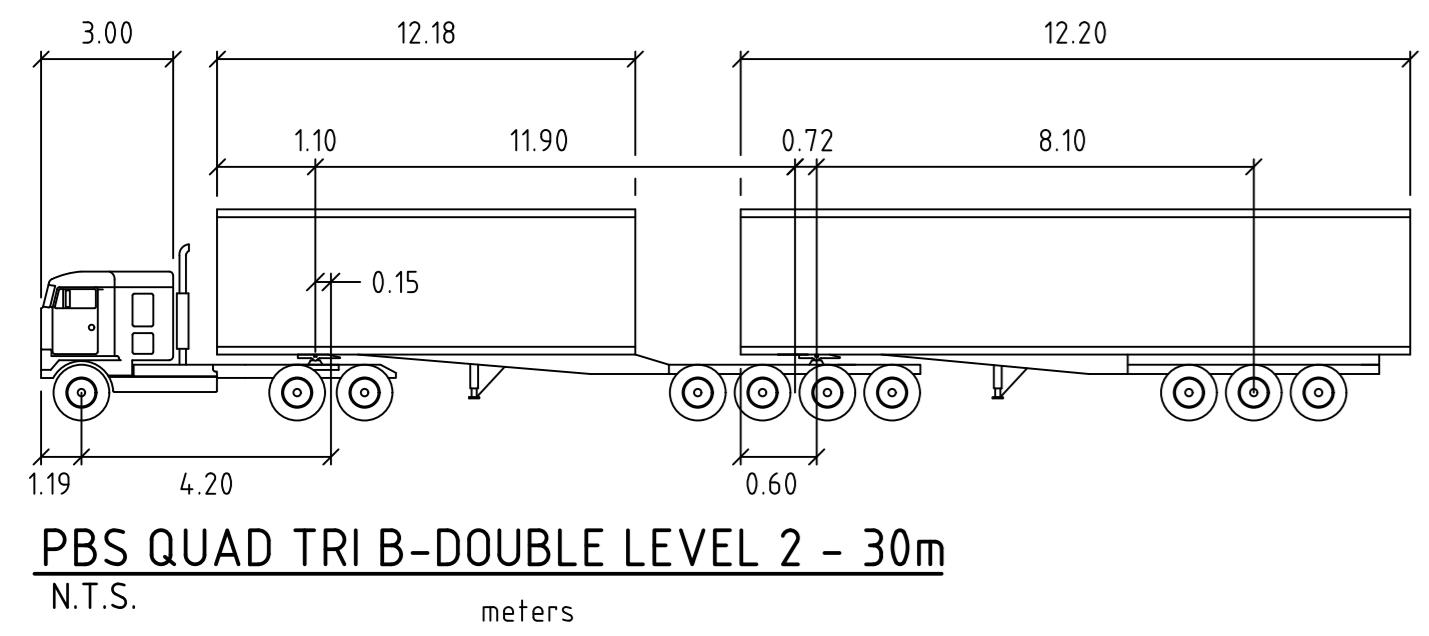
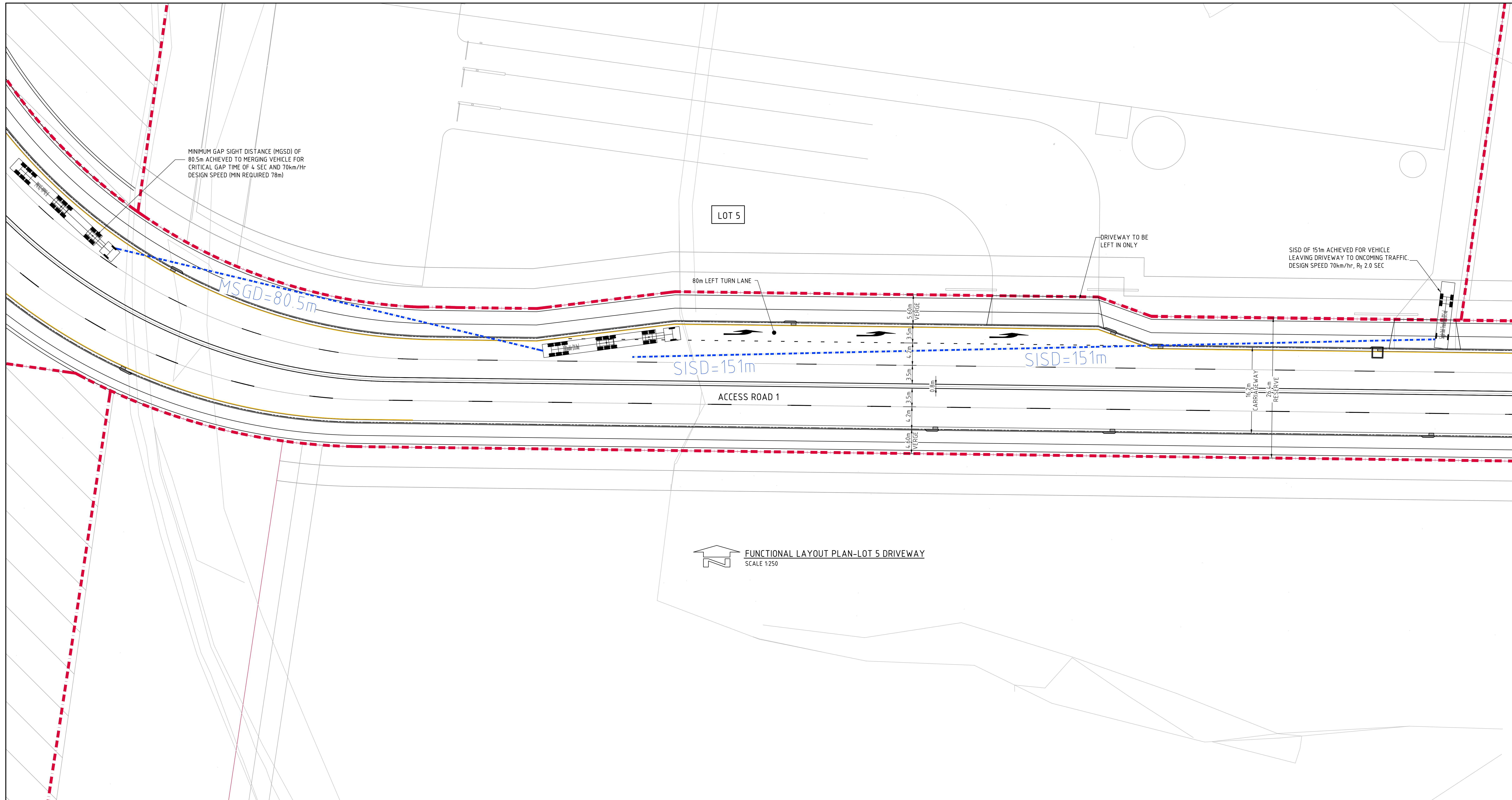


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**DRAWING TITLE
URNING PATHS PLAN**



FOR DEVELOPMENT APPLICATION

AMENDMENTS	DATE	ISSUE	AMENDMENTS	DATE	ISSUE	AMENDMENTS	DATE	ISSUE
AMENDMENT	01/09/21	A	AMENDMENT	DATE	ISSUE	AMENDMENT	DATE	ISSUE

ALTIS
PROPERTY PARTNERS

FRASERS
PROPERTY

PROJECT
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PRECISION | COMMUNICATION | ACCOUNTABILITY

DRAWING TITLE
FUNCTIONAL LAYOUT PLAN
LOT 5

DRAWING NO
C013362.00-DA10

ISSUE A

NOTE:
SAFE INTERSECTION SITE DISTANCE (SISD) IN ACCORDANCE WITH SECTION 3.2.2 OF AUSTRROADS GUIDE TO ROAD DESIGN PART 4A. MINIMUM REQUIRED SISD FOR DESIGN SPEED OF 70Km/Hr IS 151m FOR R_f=2.0 SEC

SWEPT PATH NOTE:
DESIGN SPEED 15km/h.
— VEHICLE BODY PATH
- - - VEHICLE BODY PATH
600mm CLEARANCE

NOTE:
MINIMUM GAP SITE DISTANCE (MGSD) IN ACCORDANCE WITH SECTION 3.2.3 OF AUSTRROADS GUIDE TO ROAD DESIGN PART 4A. MINIMUM REQUIRED MGSD FOR DESIGN SPEED OF 70Km/Hr IS 78m FOR CRITICAL GAP ACCEPTANCE TIME =4.0 SEC

NOTE:
THIS PLAN HAS BEEN PRODUCED USING VEHICLE MODELLING COMPUTER SOFTWARE AUTOTURN .
THE VEHICLES ADOPTED ARE BASED UPON VEHICLE DATA PROVIDED BY THE SOFTWARE FOR AUSTRROADS & AS2890.

2m 0 5 10 15 20 25m
SCALE 1:250 AT A0 SHEET SIZE