

RECEIVED

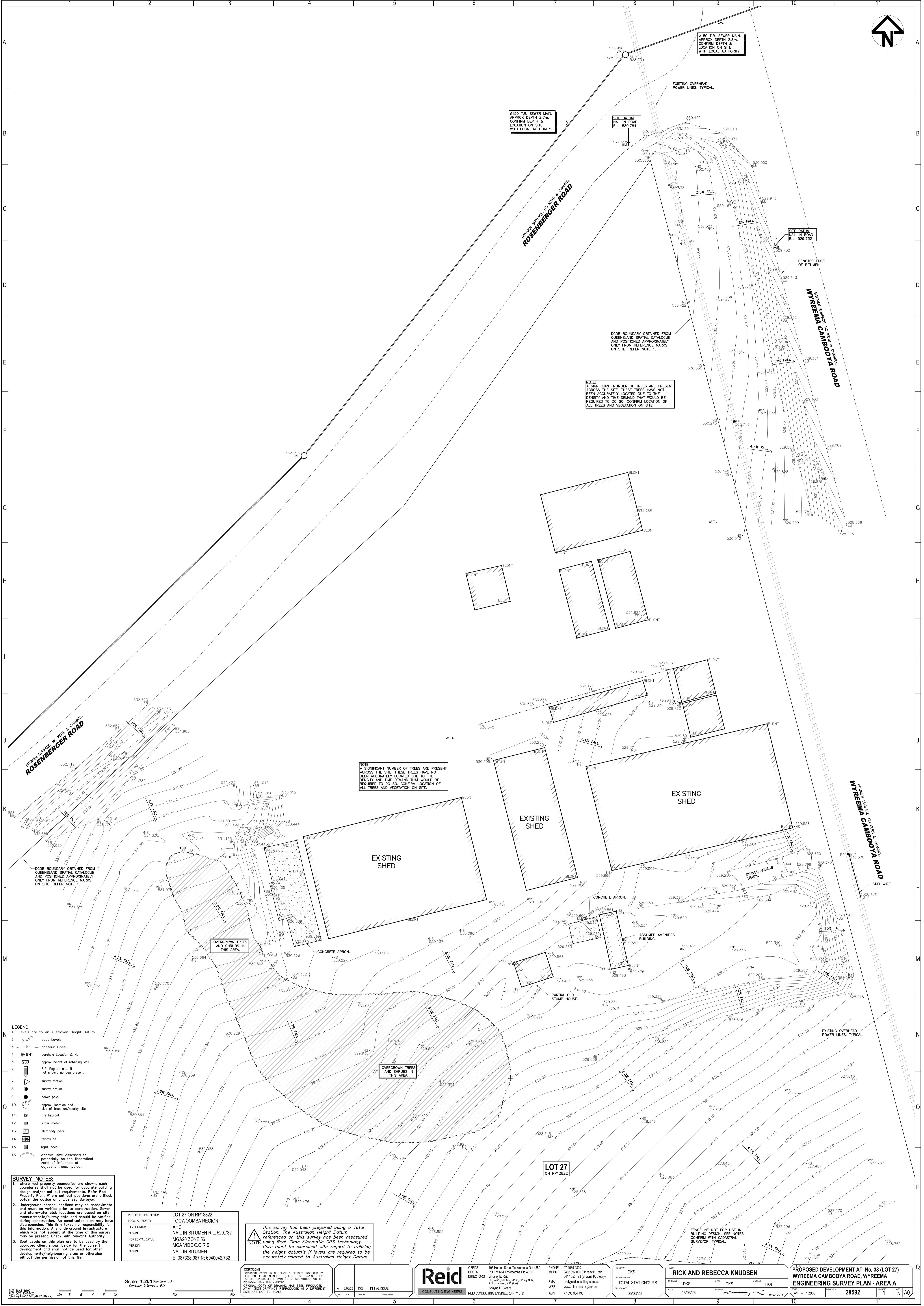
13/05/2026

**TOOWOOMBA
REGIONAL COUNCIL**



APPENDIX D – ENGINEERING PLANS

Reid Consulting Engineers



#150 T.R. SEWER MAIN APPROX DEPTH 2.0m. CONFIRM DEPTH & LOCATION ON SITE WITH LOCAL AUTHORITY.

#150 T.R. SEWER MAIN APPROX DEPTH 2.7m. CONFIRM DEPTH & LOCATION ON SITE WITH LOCAL AUTHORITY.

SITE DATUM NAIL IN ROAD R.L. 529.754

SITE DATUM NAIL IN ROAD R.L. 529.732

NOTE: A SIGNIFICANT NUMBER OF TREES ARE PRESENT ACROSS THE SITE. THESE TREES HAVE NOT BEEN ACCURATELY LOCATED DUE TO THE DENSITY AND TIME DEMAND THAT WOULD BE REQUIRED TO DO SO. CONFIRM LOCATION OF ALL TREES AND VEGETATION ON SITE.

NOTE: A SIGNIFICANT NUMBER OF TREES ARE PRESENT ACROSS THE SITE. THESE TREES HAVE NOT BEEN ACCURATELY LOCATED DUE TO THE DENSITY AND TIME DEMAND THAT WOULD BE REQUIRED TO DO SO. CONFIRM LOCATION OF ALL TREES AND VEGETATION ON SITE.

OVERGROWN TREES AND SHRUBS IN THIS AREA.

OVERGROWN TREES AND SHRUBS IN THIS AREA.

- LEGEND:**
- Levels are to an Australian Height Datum.
 - × 60 spot Levels.
 - - - contour Lines.
 - ⊕ BH1 borehole Location & No.
 - ⊕ approx height of retaining wall.
 - R.P. Peg on site, if present.
 - survey station.
 - survey datum.
 - sewer pole.
 - approx location and size of trees or nearby site.
 - ⊕ fire hydrant.
 - ⊕ water meter.
 - ⊕ electricity pillar.
 - ⊕ telestrut pole.
 - ⊕ light pole.
 - approx size assessed to potentially be the theoretical zone of influence of adjacent trees typical.

SURVEY NOTES:

- Where real property boundaries are shown, such boundaries shall not be used for accurate building design and/or set out requirements. Refer Real Property Plan. Where set out positions are critical, obtain the advice of a Licensed Surveyor.
- Underground service locations may be approximate and must be verified prior to construction. Sewer and stormwater stub locations are based on site measurements/survey data and should be verified during construction. This firm takes no responsibility for this information. Any underground infrastructure which was not evident at the time of this survey may be present. Check with relevant Authority.
- Spot Levels on this plan are to be used by the approved client shown below for the current development and shall not be used for other developments/neighbouring sites or otherwise without the permission of this firm.

PROPERTY DESCRIPTION
 LOCAL AUTHORITY
 LEVEL DATUM
 ORIGIN
 HORIZONTAL DATUM
 MERIDIAN
 CRICK

LOT 27 ON RP13822
 TOOWOOMBA REGION
 AHD
 NAIL IN BITUMEN R.L. 529.732
 MGA20 ZONE 56
 MGA VEIDE C.O.R.S
 NAIL IN BITUMEN
 E: 387328.987 N: 6940042.732

This survey has been prepared using a Total Station. The Australian Height Datum referenced on this survey has been measured using Real-Time Kinematic GPS technology. Care must be exercised with regard to utilizing the height datum's if levels are required to be accurately related to Australian Height Datum.

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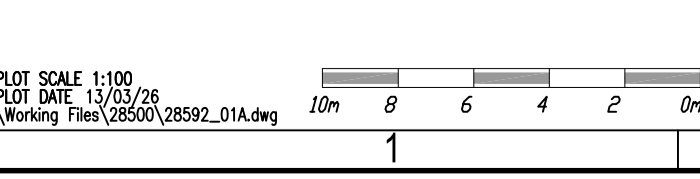
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DATE 05/03/26
 DRAWN BY DKS
 CHECKED BY DKS
 APPROVED BY LBR

RICK AND REBECCA KNUDSEN
 TOTAL STATIONING P.S.
 DATE 13/03/26
 DRAWN BY DKS
 CHECKED BY DKS
 APPROVED BY LBR

PROPOSED DEVELOPMENT AT No. 38 (LOT 27) WYREEMA CAMBOOYA ROAD, WYREEMA
 ENGINEERING SURVEY PLAN - AREA A
 SCALE 1:200
 DATE 28/5/22
 SHEET 1 OF 1



DATE	13/03/26	DESCRIPTION	INITIAL ISSUE
DRAWN BY	DKS	CHECKED BY	DKS
APPROVED BY	LBR	DATE	13/03/26

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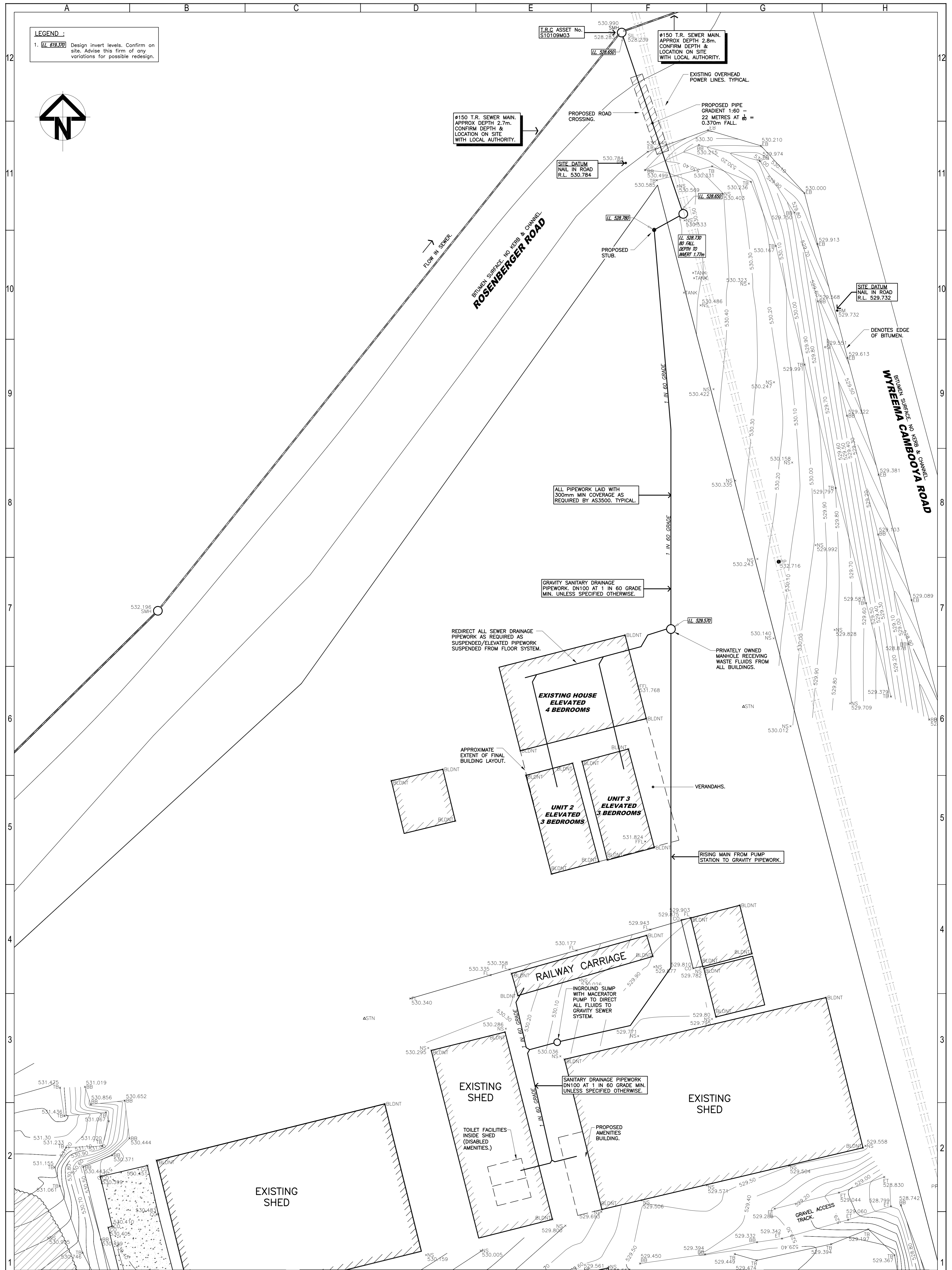
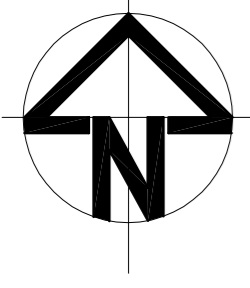
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PROPOSED DEVELOPMENT AT No. 38 (LOT 27) WYREEMA CAMBOOYA ROAD, WYREEMA
 ENGINEERING SURVEY PLAN - AREA A
 SCALE 1:200
 DATE 28/5/22
 SHEET 1 OF 1

LEGEND :
 1. LL 619.370 Design invert levels. Confirm on site. Advise this firm of any variations for possible redesign.



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NO	DATE	DRAWN	APPROVED
A	01/05/26	DS	INITIAL ISSUE

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CLIENT: **RICK AND REBECCA KNUDSEN**

DESIGNED	DRAWN	CHECKED
LBR	DS	LBR
DATE	APPROVED	REVISED
01/05/26		RPEQ 2014

PROJECT: **PROPOSED DEVELOPMENT AT No. 38 (LOT 27) WYREEMA CAMBOOYA ROAD, WYREEMA CONCEPTUAL SEWER DRAINAGE AND CONNECTION TO TOOWOOMBA REGIONAL COUNCIL INFRASTRUCTURE PLAN**

SCALE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
A1 - 1:200 A3 - 1:400	28592	2	A

*** KERB AND CHANNEL NOTE**
 CONFIRM ALL NOMINATED EXISTING KERB AND CHANNEL HEIGHTS AND LEVELS ON SITE. VARY THE NOMINATED DRIVEWAY LEVELS IF/AS REQUIRED TO NEATLY TRANSITION THE JOINT BETWEEN THE DRIVEWAY AND THE BACK OF KERB.

UNDERTAKE MINOR TRIMMING AND/OR FILLING AS REQUIRED ALLOW SOUTHERN SIDE OF DRIVEWAY TO ALLOW STORMWATER TO DRAIN UNIMPEDED FROM SURFACE UNIFORMLY ALONG FULL LENGTH.

CUT IN DRIVEWAY TO MAINTAIN APPROXIMATELY NATURAL GROUND LEVELS AND TRIM/FILL LOCALLY TO ALLOW STORMWATER TO FLOW ACROSS SURFACE AS SHEET FLOW ALONG THE FULL LENGTH.

TYPICAL DRIVEWAY SECTION

SCALE 1:25

NOTE:
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DCDB BOUNDARY OBTAINED FROM QUEENSLAND SPATIAL CATALOGUE AND POSITIONED APPROXIMATELY ONLY FROM REFERENCE MARKS ON SITE. REFER NOTE 1.

CONTRACTOR SHALL NEATLY SAW CUT EDGE OF EXISTING PAVEMENT TO PROVIDE A STRAIGHT AND CLEAN EDGE.

PROPERTY ACCESS IN ACCORDANCE WITH IPWEAQ DRAWING RS-051. CONFIRM FINAL ALIGNMENT/POSITION ON SITE.

DRIVEWAY TO BE CONSTRUCTED TO MATCH NATURAL GROUND SURFACE. ENSURE SHEET FLOW DRAINAGE CONDITION IS MAINTAINED FOLLOWING CONSTRUCTION.

EXISTING SHED

EXISTING SHED

EXISTING SHED

EXISTING SHED

CONCRETE APRON.

PROPOSED DRIVEWAY TO REAR BLOCK. MIN 5.5m WIDTH.

DRIVEWAY AND CARPARKING AREAS TO BE CONSTRUCTED USING EITHER REINFORCED CONCRETE OR ROAD BASE PAVEMENTS WITH AC SEAL OVER.

UNDERTAKE LOCALISED SURFACE TRIMMING AS REQUIRED TO ENSURE FREE GROUND SURFACE DRAINAGE AS SHEET FLOW AWAY FROM DRIVEWAY.

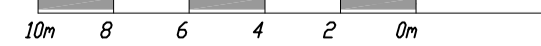
2.4% DESIGN CROSS FALL

TRIM GROUND SURFACES FOR FREE DRAINAGE.

EXISTING OVERHEAD POWER LINES. TYPICAL.

LOT 27
 ON RP13822

Scale: 1:200 (Horizontal)
 Contour intervals 0.1m



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DATE	30/04/26	DESIGNER	DKS	INITIAL ISSUE
DATE		DRAWER		AMENDMENT

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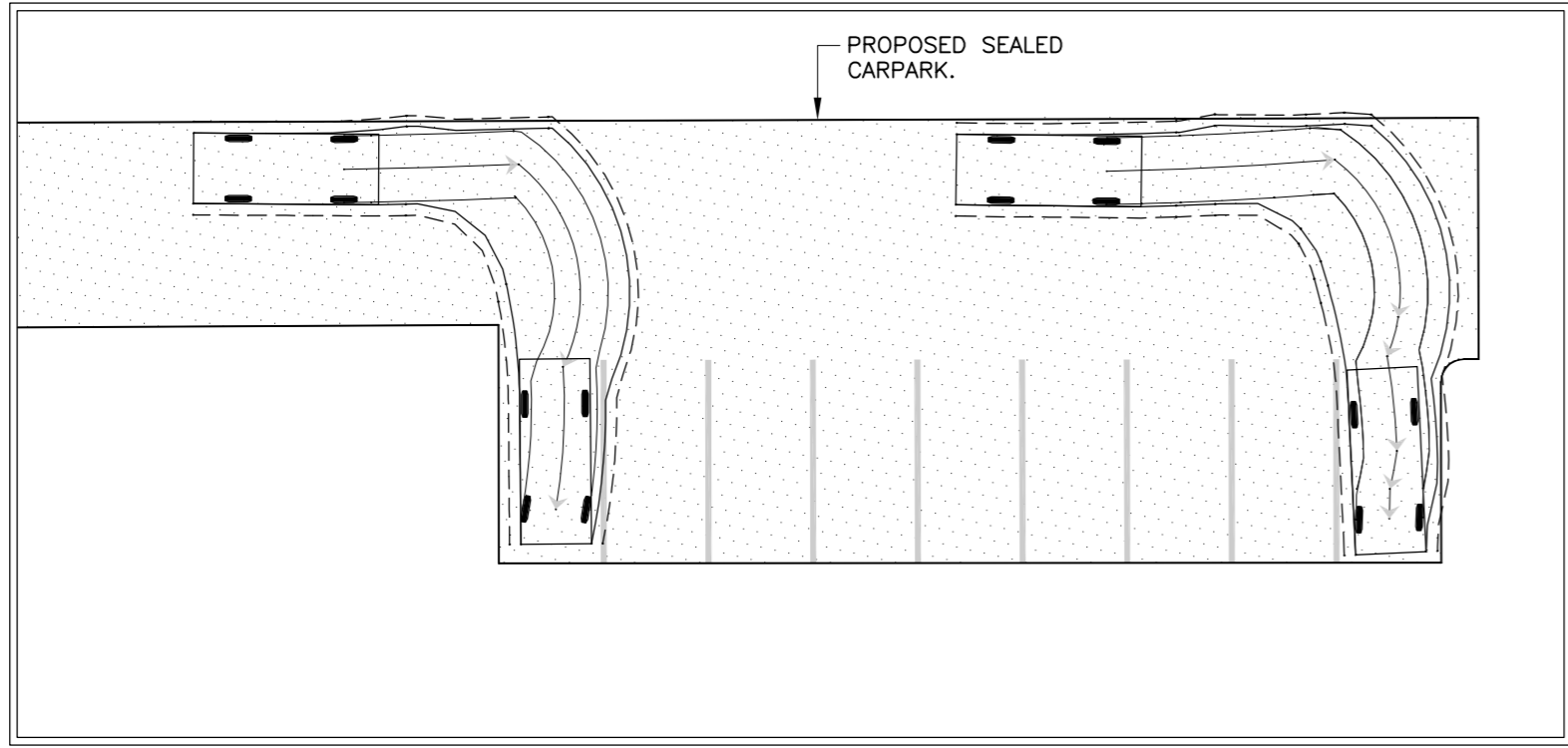
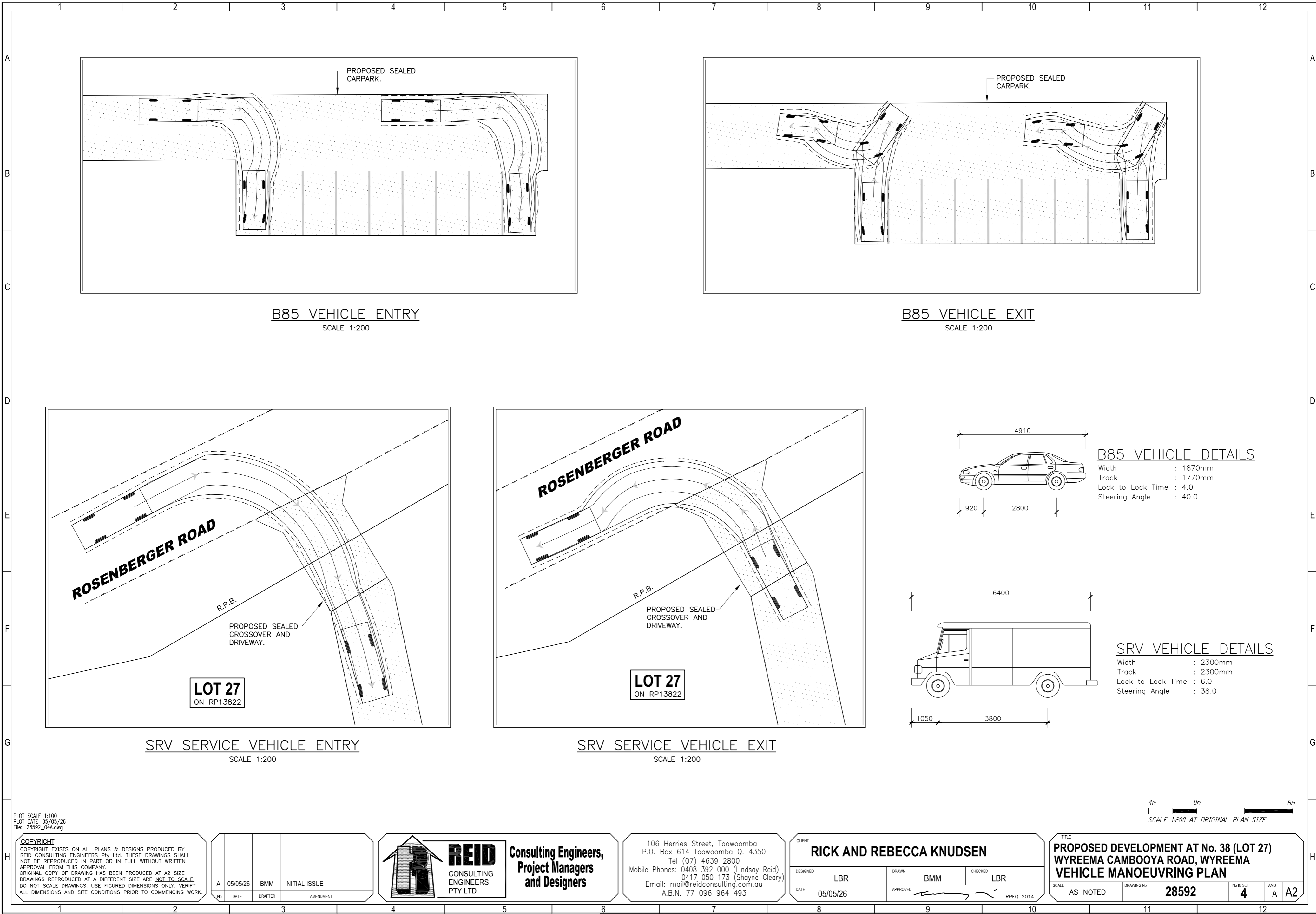
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DATE	30/04/26	APPROVED			RPEQ 2014

PROPOSED DEVELOPMENT AT No. 38 (LOT 27) WYREEMA CAMBOOYA ROAD, WYREEMA

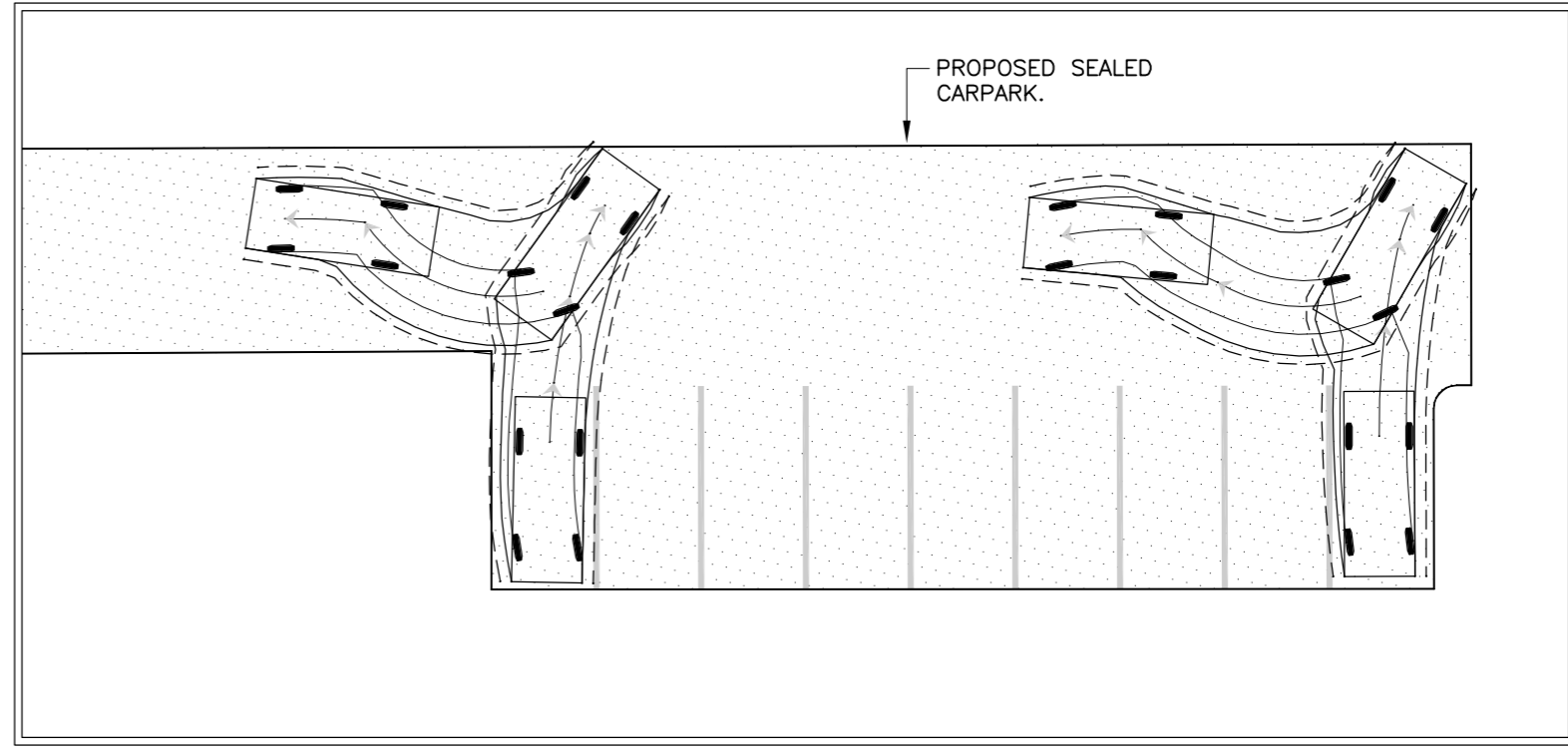
CONCEPTUAL DRIVEWAY AND CARPARK PLAN

SCALE	A1 - 1:200	DRAWING NO.	28592	NUM SET	3	AMT	A1
	A3 - 1:400						

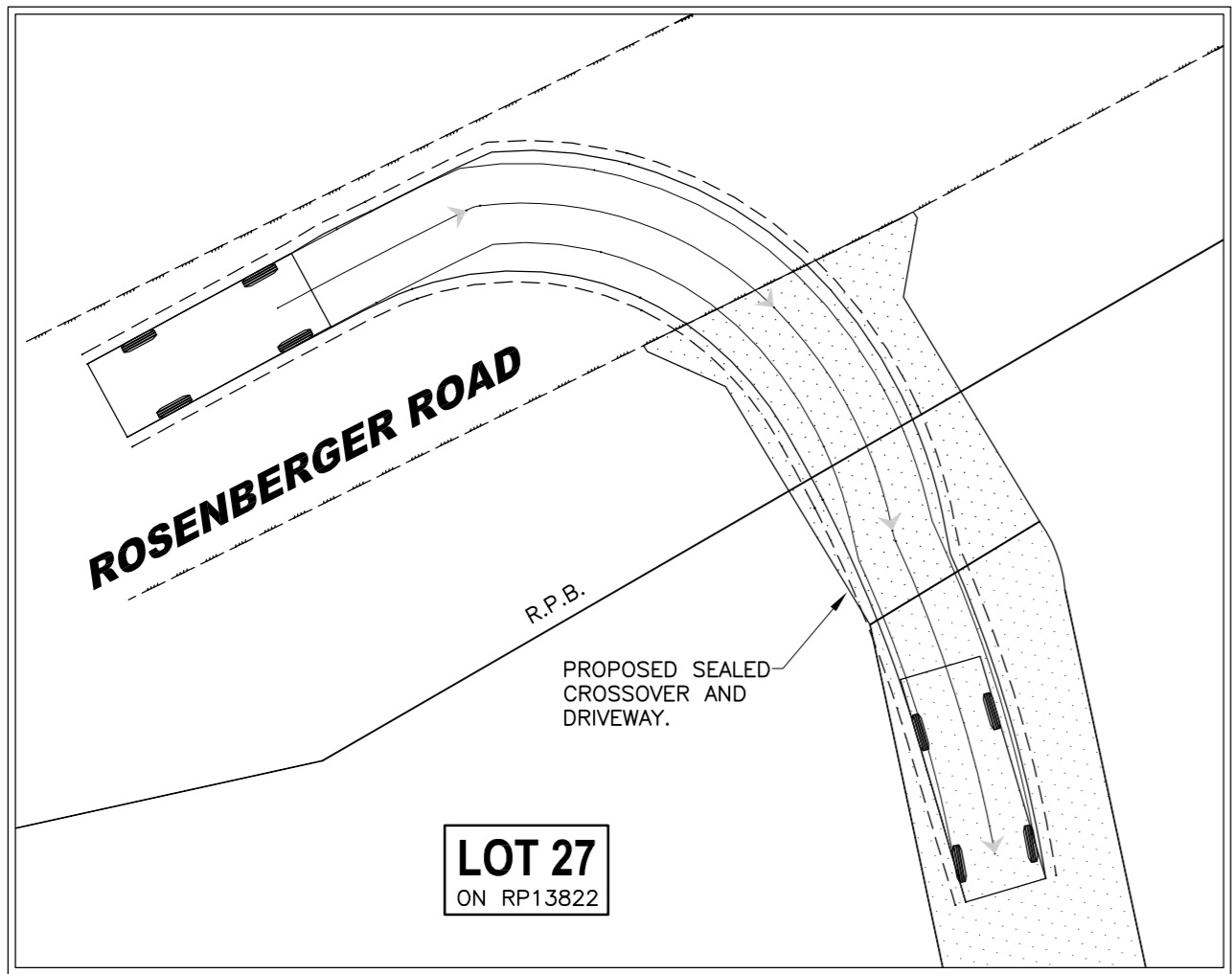
PLOT SCALE 1:100
 PLOT DATE 30/04/26
 FILES: 28592_03A.dwg



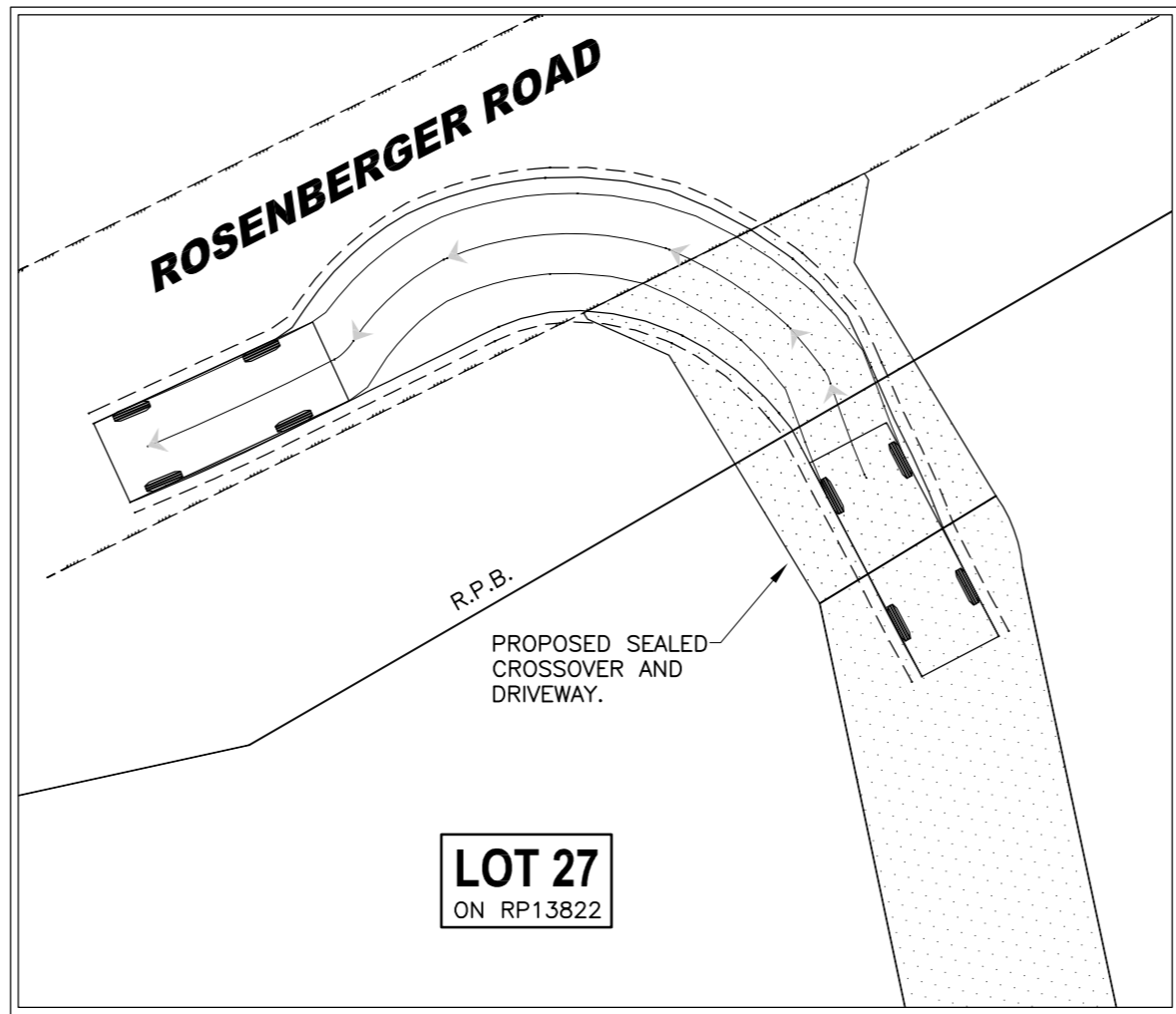
B85 VEHICLE ENTRY
SCALE 1:200



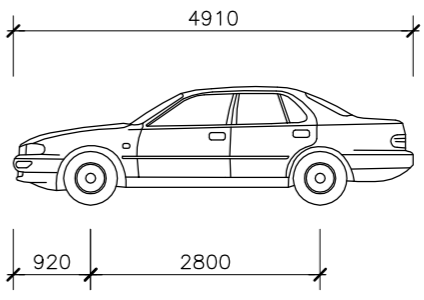
B85 VEHICLE EXIT
SCALE 1:200



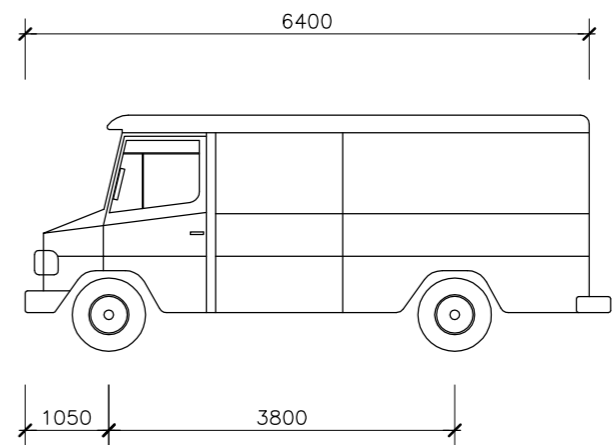
SRV SERVICE VEHICLE ENTRY
SCALE 1:200



SRV SERVICE VEHICLE EXIT
SCALE 1:200



B85 VEHICLE DETAILS
 Width : 1870mm
 Track : 1770mm
 Lock to Lock Time : 4.0
 Steering Angle : 40.0



SRV VEHICLE DETAILS
 Width : 2300mm
 Track : 2300mm
 Lock to Lock Time : 6.0
 Steering Angle : 38.0



PLOT SCALE 1:100
 PLOT DATE 05/05/26
 File: 28592_04A.dwg

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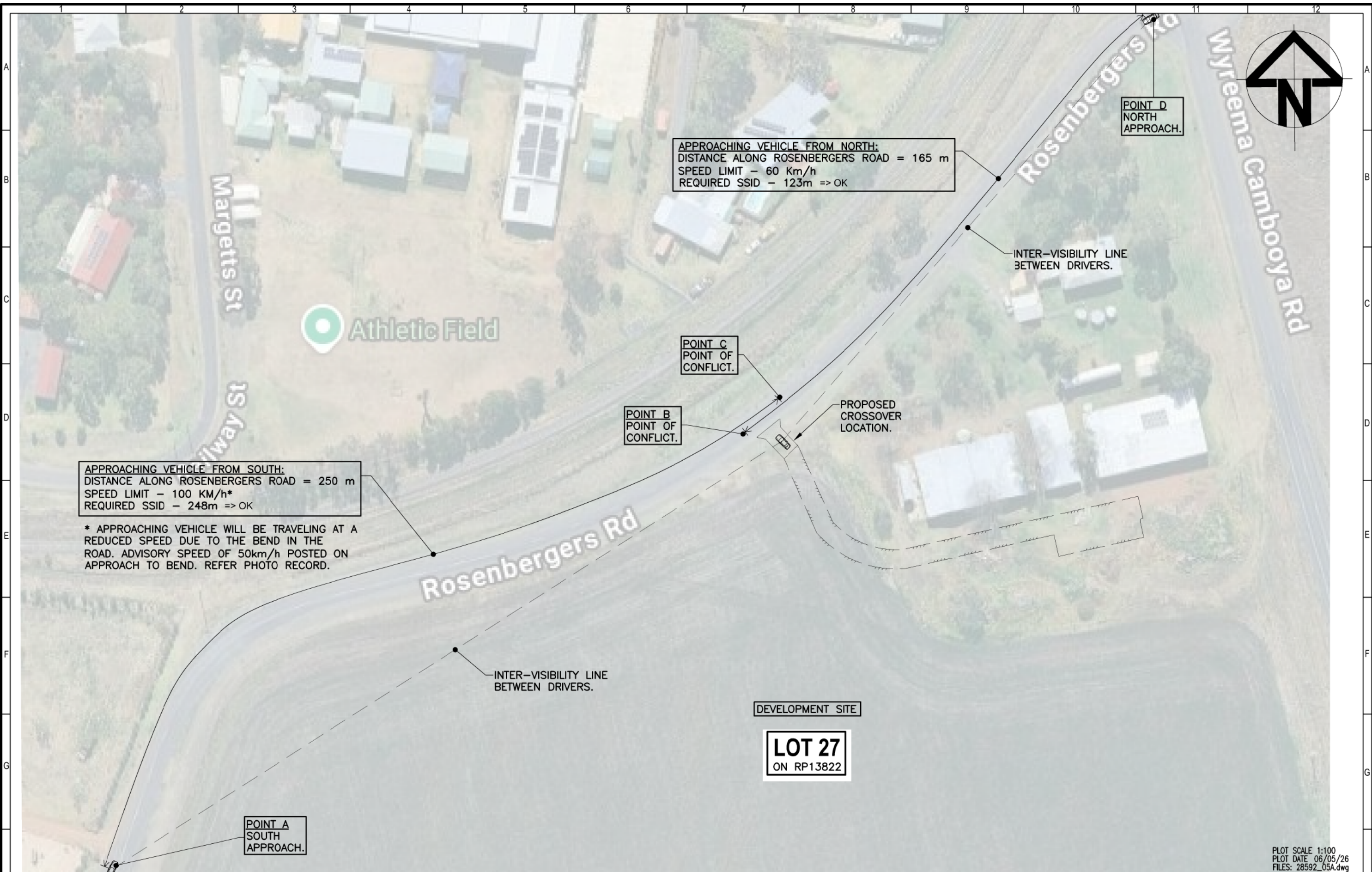
No.	DATE	DRAFTER	AMENDMENT
A	05/05/26	BMM	INITIAL ISSUE

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CLIENT RICK AND REBECCA KNUDSEN		
DESIGNED LBR	DRAWN BMM	CHECKED LBR
DATE 05/05/26	APPROVED 	RPEQ 2014

TITLE PROPOSED DEVELOPMENT AT No. 38 (LOT 27) WYREEMA CAMBOOYA ROAD, WYREEMA VEHICLE MANOEUVRING PLAN			
SCALE AS NOTED	DRAWING No. 28592	No IN SET 4	AMDT A
		A2	



APPROACHING VEHICLE FROM SOUTH:
 DISTANCE ALONG ROSENBERGERS ROAD = 250 m
 SPEED LIMIT - 100 KM/h*
 REQUIRED SSID - 248m => OK

* APPROACHING VEHICLE WILL BE TRAVELING AT A REDUCED SPEED DUE TO THE BEND IN THE ROAD. ADVISORY SPEED OF 50km/h POSTED ON APPROACH TO BEND. REFER PHOTO RECORD.

APPROACHING VEHICLE FROM NORTH:
 DISTANCE ALONG ROSENBERGERS ROAD = 165 m
 SPEED LIMIT - 60 Km/h
 REQUIRED SSID - 123m => OK

POINT D
 NORTH
 APPROACH.

POINT C
 POINT OF
 CONFLICT.

POINT B
 POINT OF
 CONFLICT.

PROPOSED
 CROSSOVER
 LOCATION.

INTER-VISIBILITY LINE
 BETWEEN DRIVERS.

INTER-VISIBILITY LINE
 BETWEEN DRIVERS.

DEVELOPMENT SITE

LOT 27
 ON RP13822

POINT A
 SOUTH
 APPROACH.

PLOT SCALE 1:100
 PLOT DATE 06/05/26
 FILES: 28592_05A.dwg

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DESIGNED	LBR	DRAWN	BMM	CHECKED	LBR
DATE	05/05/26	APPROVED			

CLIENT **RICK AND REBECCA KNUDSEN**

RPEQ 2014

TITLE **PROPOSED DEVELOPMENT AT No. 38 (LOT 27) WYREEMA CAMBOOYA ROAD, WYREEMA SIGHT DISTANCE CHECK**

SCALE 1:100 DRAWING No. 28592 No IN SET 5 AMCT A A3