

date
18.08.2021

reference
35299-CR01_0.docx

receiver
Craig Butler
217 Denison Street,
Mudgee NSW 2850

Dear Craig,

RE: Safe Sight Distance Analysis, Lot 5 in Subdivision of 3B Sydney Road, Mudgee, NSW, 2850

At your request, we have reviewed the traffic sight distances for the proposed subdivision of Lot 5 in Subdivision of 3B Sydney Road, Mudgee. The lot is located on Burrundulla Road on a bend. The proposed site plan is shown attached with turning templates for a medium-rigid vehicle.

The site is in a 50km/hr speed zone; however, it is acknowledged the site is close to an 80km/hr speed zone for vehicles approaching the site from the east. For the purposes of analysis, we shall assume a 50km/hr speed for all vehicles approaching from the west and 80km/hr for vehicles approaching from the east. The existing sight distances are below:

- From the east – 106m (for 50km/hr zone as shown attached).
- From the west – 290m (for 80km/hr zone).

From AUTROADS Guide to Road Design Part 3: Geometric Design, the following parameters are provided:

From Table 5.6 – Truck Stopping Sight Distance

- 69m for 50km/hr (using a reaction time of 2.5s).
- 142m for 80km/hr (using a reaction time of 2.5s).

Therefore, the required stopping distance for a truck approaching the site from the west travelling at 50km/hr is 69m. The available sight distance is 106m.

The required stopping distance for a truck approaching the site from the east is 142m. The available sight distance is 290m.

Both available sight distances are therefore in excess of AUSTRROAD requirements.

If you have any further enquiries regarding this matter, please contact the undersigned.

Yours faithfully,

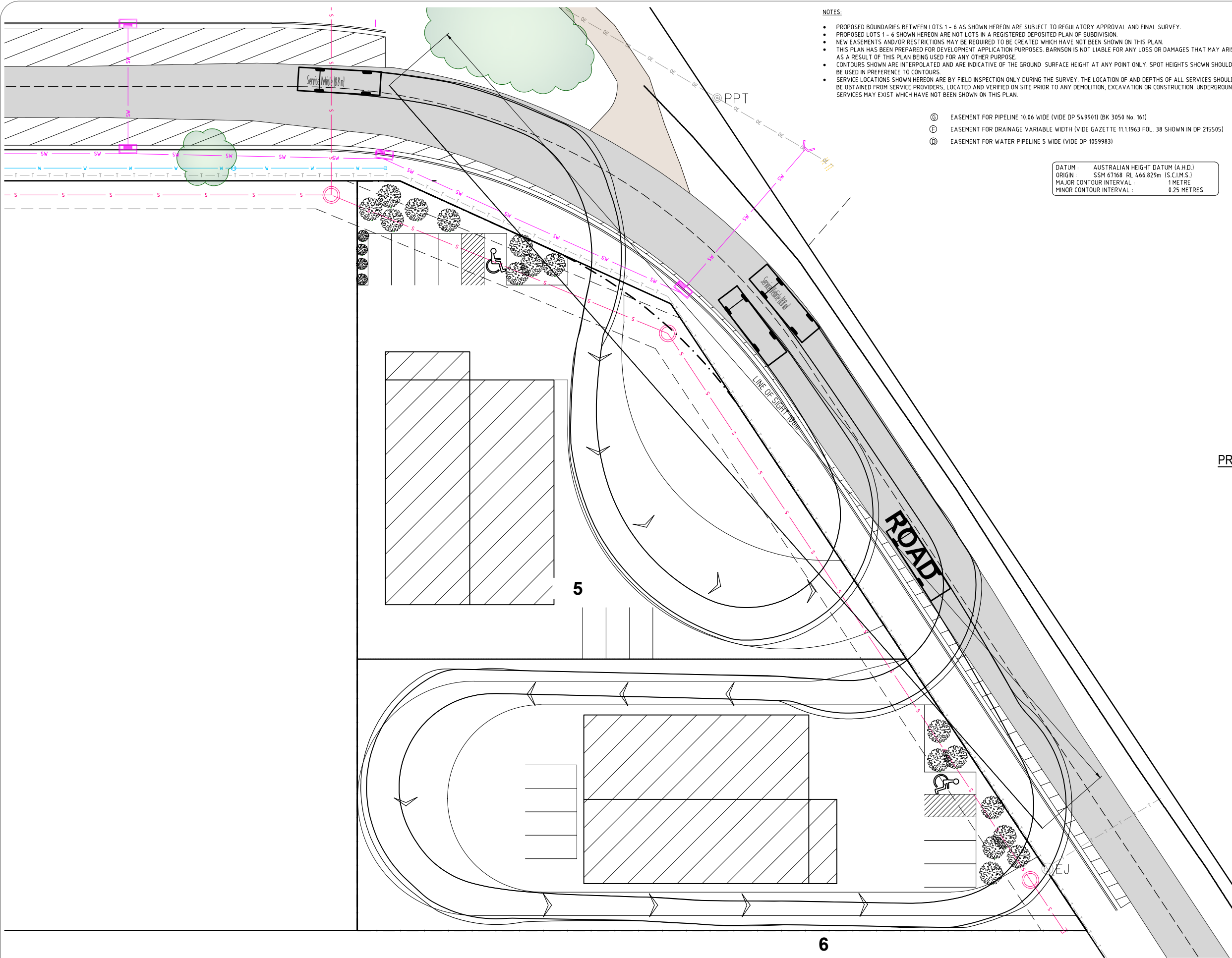
BARNSON PTY LTD



Luke Morris

BE MIEAust CPEng NPER

Director



NOTES:

- PROPOSED BOUNDARIES BETWEEN LOTS 1 - 6 AS SHOWN HEREON ARE SUBJECT TO REGULATORY APPROVAL AND FINAL SURVEY.
- PROPOSED LOTS 1 - 6 SHOWN HEREON ARE NOT LOTS IN A REGISTERED DEPOSITED PLAN OF SUBDIVISION.
- NEW EASEMENTS AND/OR RESTRICTIONS MAY BE REQUIRED TO BE CREATED WHICH HAVE NOT BEEN SHOWN ON THIS PLAN.
- THIS PLAN HAS BEEN PREPARED FOR DEVELOPMENT APPLICATION PURPOSES. BARNSON IS NOT LIABLE FOR ANY LOSS OR DAMAGES THAT MAY ARISE AS A RESULT OF THIS PLAN BEING USED FOR ANY OTHER PURPOSE.
- CONTOURS SHOWN ARE INTERPOLATED AND ARE INDICATIVE OF THE GROUND SURFACE HEIGHT AT ANY POINT ONLY. SPOT HEIGHTS SHOWN SHOULD BE USED IN PREFERENCE TO CONTOURS.
- SERVICE LOCATIONS SHOWN HEREON ARE BY FIELD INSPECTION ONLY DURING THE SURVEY. THE LOCATION OF AND DEPTHS OF ALL SERVICES SHOULD BE OBTAINED FROM SERVICE PROVIDERS, LOCATED AND VERIFIED ON SITE PRIOR TO ANY DEMOLITION, EXCAVATION OR CONSTRUCTION. UNDERGROUND SERVICES MAY EXIST WHICH HAVE NOT BEEN SHOWN ON THIS PLAN.

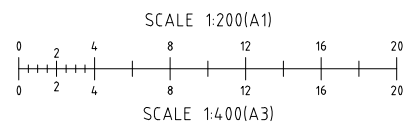
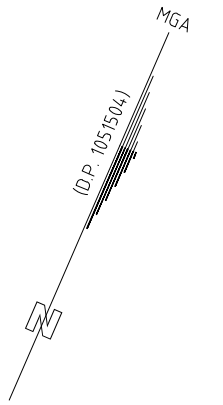
- ⓐ EASEMENT FOR PIPELINE 10.06 WIDE (VIDE DP 549901) (BK 3050 No. 161)
- ⓑ EASEMENT FOR DRAINAGE VARIABLE WIDTH (VIDE GAZETTE 11.1.1963 FOL. 38 SHOWN IN DP 215505)
- ⓓ EASEMENT FOR WATER PIPELINE 5 WIDE (VIDE DP 1059983)

DATUM: AUSTRALIAN HEIGHT DATUM (A.H.D.)
 ORIGIN: SSM 67168 RL 466.829m (S.C.I.M.S.)
 MAJOR CONTOUR INTERVAL: 1 METRE
 MINOR CONTOUR INTERVAL: 0.25 METRES

LEGEND	
	PROPOSED CADASTRAL BOUNDARIES
	EXISTING TOP OF BANK
	EXISTING BOTTOM OF BANK
	EXISTING UNDERGROUND TELECOMM. CABLES APPROX.
	EXISTING TELECOMMUNICATIONS PIT
	EXISTING TELECOMMUNICATIONS ELEVATED JOINT
	EXISTING OVERHEAD ELECTRICITY CABLES
	EXISTING POWER POLE
	EXISTING POWER POLE WITH TRANSFORMER
	EXISTING STAY POLE
	EXISTING SEWER MANHOLE
	EXISTING SEWER INSPECTION OPENING
	EXISTING WATER METER
	EXISTING STOP VALVE
	EXTENT OF EXISTING BITUMEN SEAL
	EXTENT OF EXISTING GRAVEL TRACK
	PROPOSED ROAD CL & CHAINAGE
	PROPOSED ROLL TYPE K&G
	NEW BITUMEN SEAL
	PROPOSED STORMWATER LINE
	PROPOSED STORMWATER PIT
	PROPOSED SEWER LINE
	PROPOSED SEWER MANHOLE
	PROPOSED WATER MAIN
	PROPOSED EASEMENT

PROPOSED TURNING PLAN

REDUCTION RATIO 1:200 @ A1
 1:400 @ A3



Drawing Status:
ISSUED FOR CONSTRUCTION



Offices Located
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Client: **CRAIG BUTLER**

Project:
 PROPOSED SUBDIVISION OF
 LOT 5 IN SUBDIVISION OF
 3B SYDNEY ROAD, BURRUNDULLA, NSW

Drawing Title:
 PROPOSED TURNING PLAN

Design	Drawn	Rev	Date	Amendment
LM	JCLM			
Check	QA			

Drawing Sheet
 A1 - Original size - Scales as noted
 A3 - Minimisation - Not to scale

A 18/08/2021 ISSUED FOR CLIENT REVIEW
This drawing is to be read in conjunction with general building drawings, specifications and other consultant's drawings applicable to this project. All figured dimensions are to be checked prior to the commencement of work. Immediately notify Barnson Pty Ltd of any discrepancies. © Barnson Pty Ltd 2017. Confidential. Subject to the Barnson terms of engagement.

Sheet 1 of 1
 Drawing Number 35299_C01
 Revision A