

Meeting Agenda

council@shoalhaven.nsw.gov.au | shoalhaven.nsw.gov.au f @ - >

Shoalhaven Traffic Committee

Meeting Date: Tuesday, 12 March, 2024

Location: Email Meeting

Please note: Council's Code of Meeting Practice permits the electronic recording and broadcast of the proceedings of meetings of the Council which are open to the public. Your attendance at this meeting is taken as consent to the possibility that your image and/or voice may be recorded and broadcast to the public.

Agenda

1.	Apologies	5		
2.	Confirmation of Minutes			
	• Shoal	haven Traffic Committee - 13 February 2024	1	
3.	Business Arising from Previous Minutes			
4.	Reports of the Convenor			
	TC24.6	Signage, Linemarking & Intersection Upgrades - Lot 5 - DP1259527 - 51 Tea Tree Lane - Nowra Hill (PN 3804)	5	
5.	General B	Business		

Note: The next meeting will be held on Tuesday 9 April 2024.



Membership

Mr David Pieresko – Convenor Clr Patricia White Clr Matthew Norris Ms Nicole Brodie - TfNSW Sgt Kelly Thomas – NSW Police Sgt Simon Pugh – NSW Police Ms Liza Butler MP (or representative) Mr Stuart Coughlan

The Shoalhaven Traffic Committee is a technical review committee, not a committee of Council under the Local Government Act 1993. Transport for NSW (TfNSW) has delegated certain powers to Council under the Transport Administration Act 1988 (Section 50). A condition of this delegation is that Council must take into account the Traffic Committee recommendations.

There are four formal members of the Traffic Committee, each of whom has a single vote only. The members are representatives from:

- NSW Police Force
- TfNSW
- Shoalhaven City Council
- Local State Member of Parliament (for the location of the issue to be voted upon)

If TfNSW or NSW Police Force disagrees with any Traffic Committee recommendation, or Council's resolution (on any Traffic Committee recommendation), they may lodge an appeal with the Regional Traffic Committee for determination. The appeal must be lodged in writing within 14 days of the date of notification in writing. Any action relative to any issue under appeal must cease until the matter is determined. The Regional Traffic Committee is chaired by an independent chairperson and submissions and representations are welcomed from all interested parties.

Council cannot amend a Traffic Committee recommendation. The Council can only: adopt the Traffic Committee recommendation; not adopt the Traffic Committee recommendation, or request the Traffic Committee reconsider the issue.

The full guide to the delegation to Council's for the regulation of traffic can be viewed at TfNSW Website



Meeting Minutes

council@shoalhaven.nsw.gov.au | shoalhaven.nsw.gov.au f @ • >

MINUTES OF THE SHOALHAVEN TRAFFIC COMMITTEE

Meeting Date: Tuesday, 13 February 2024

Location: Manyana Meeting Room, City Administrative Centre, Bridge Road, Nowra

Time: 9.30am

The following members were present:

Convenor Bianca van der Merwe - Civil Engineer

Clr Patricia White

Ms Nicole Brodie - TfNSW

Mr Stuart Coughlan - Kiama MP Representative

Sgt Simon Pugh – NSW Police

Ms Skye Thompson - South Coast MP Representative (Joined Remotely at 9:33am)

Mr Hayden Fineran – Informal Advisor

Others present:

Ms Lynette Melville - Premier Motor Services (Remotely)
Mr Craig Exton – Manager – Technical Services
Mr Adrian Vaquera – Civil Engineer

Note: Sgt Ian McManus – NSW Police submitted email votes on the items, confirming his support of the recommendations.

Apologies / Leave of Absence

Nil

Confirmation of the Minutes

RESOLVED (By consent)

That the Minutes of the Shoalhaven Traffic Committee held on Tuesday 12 December 2023 be confirmed.

CARRIED

Business Arising from Previous Minutes

Nil



REPORTS OF THE CONVENOR

TC24.1 15-minute (1/4P) Signage & Time Restricted No Parking - Greenwell Point Road - Greenwell Point Public School - Greenwell Point (PN 3797)

HPERM Ref: D24/11314

Recommendation

That:

- 1. The Chief Executive Officer (Director City Services) be advised that the Shoalhaven Traffic Committee has no objection to the proposed time restricted 'No Parking' and '15-minute' signage fronting Greenwell Point Public School, Greenwell Point as per Plan No. D24/11319.
- 2. The recommendation be approved by the Director City Services under delegated authority from Shoalhaven City Council refer MIN21.411

RECOMMENDATION (By consent)

That:

- 1. The Chief Executive Officer (Director City Services) be advised that the Shoalhaven Traffic Committee has no objection to the proposed time restricted 'No Parking' and '15-minute' signage fronting Greenwell Point Public School, Greenwell Point as per Plan No. D24/11319.
- 2. The recommendation be approved by the Director City Services under delegated authority from Shoalhaven City Council refer MIN21.411

Note: This Recommendation was approved by the Director City Services 16 February 2024.

CARRIED

TC24.3 Signage, Linemarking and Intersection Upgrades - Lot 5 - DP1259527 - 51 Tea Tree Lane - Nowra Hill (PN 3798)

HPERM Ref: D24/23253

Ms Nicole Brodie – TfNSW noted that the through lane should end and merge into the turning lane. Mr Craig Exton – Manager – Technical Services pointed out that it appears to be an error due to the alternative arrangement shown on other plans within the set.

Recommendation

That:

- 1. The Chief Executive Officer (Director City Services) be advised that the Shoalhaven Traffic Committee has no objection to the proposed signage, linemarking and intersection upgrade associated with the development at 51 Tea Tree Lane, Nowra Hill (per development consent condition(s) (39), as per Plan No. D23/507043.
- 2. The recommendation be approved by the Director City Services under delegated authority from Shoalhaven City Council refer MIN21.411.

RECOMMENDATION (By consent)

That:

- 1. The signage and linemarking plans are updated and re-issued to the Shoalhaven Traffic Committee.
- 2. The recommendation be approved by the Director City Services under delegated authority from Shoalhaven City Council refer MIN21.411.

Note: This Recommendation was approved by the Director City Services 16 February 2024.



CARRIED

TC24.4 Signage & Linemarking Plan (No Parking) - Lot 2 - DP1282355 - 49 Kanuka Drive - Ulladulla (PN 3800)

HPERM Ref: D24/34786

Recommendation

That:

- 1. The Chief Executive Officer (Director City Services) be advised that the Shoalhaven Traffic Committee has no objection to the proposed signage and linemarking associated with the development at 49 Kanuka Drive, Ulladulla (per development consent condition(s) (5), as per Plan No. D24/34794.
- 2. The recommendation be approved by the Director City Services under delegated authority from Shoalhaven City Council refer MIN21.411

RECOMMENDATION (By consent)

That:

- 1. The Chief Executive Officer (Director City Services) be advised that the Shoalhaven Traffic Committee has no objection to the proposed signage and linemarking associated with the development at 49 Kanuka Drive, Ulladulla (per development consent condition(s) (5), as per Plan No. D24/34794.
- 2. The recommendation be approved by the Director City Services under delegated authority from Shoalhaven City Council refer MIN21.411

Note: This Recommendation was approved by the Director City Services 16 February 2024.

CARRIED

TC24.5 Parking Restrictions & Linemarking- 44-52 Coomea Street - Bomaderry (PN 3801)

HPERM Ref: D24/38700

Recommendation

That:

- 1. The Chief Executive Officer (Director City Services) be advised that the Shoalhaven Traffic Committee has no objection to the proposed parking restrictions and linemarking at 44-52 Coomea Street, Bomaderry as per Plan No. D24/33526.
- 2. The recommendation be approved by the Director City Services under delegated authority from Shoalhaven City Council refer MIN21.411.

RECOMMENDATION (By consent)

That:

- 1. The Chief Executive Officer (Director City Services) be advised that the Shoalhaven Traffic Committee has no objection to the proposed parking restrictions and linemarking at 44-52 Coomea Street, Bomaderry as per Plan No. D24/33526.
- 2. The recommendation be approved by the Director City Services under delegated authority from Shoalhaven City Council refer MIN21.411.

Note: This Recommendation was approved by the Director City Services 16 February 2024.

CARRIED



GENERAL BUSINESS

Speed Zone Review on Myola Rd, Myola

Ms Liza Butler – MP advised via email prior to the meeting for the Committee to consider extending the existing 50km zone to commence prior to bend (potentially near the advisory sign which notes all areas are 50km within Myola) to address safety for the current road environment noting the increase in pedestrian activity immediately after the bend entering Myola.

Ms Brodie - TfNSW advised implementing '5- ahead' warning prior to the bend.

Council's Central District Engineer to be notified.

There being no further business, the meeting concluded, the time being 10:06am.

Ms Bianca van der Merwe CHAIRPERSON



TC24.6 Signage, Linemarking & Intersection Upgrades -

Lot 5 - DP1259527 - 51 Tea Tree Lane - Nowra

Hill (PN 3804)

HPERM Ref: D24/76317

Convenor: David Pieresko

Attachments: 1. PN (3804) Plan & Swept Paths (Intersection) &

2. PN (3804) Plan & Swept Paths (Subdivision) J.

3. PN (3804) Risk Assessment (under separate cover)

Reason for Report:

The reason for this report is to seek Shoalhaven Traffic Committee approval for the proposed signage and linemarking associated with the proposed development at 51 Tea Tree Lane, Nowra Hill as per Plan No. D24/76320 and D24/85157.

Recommendation

That:

- 1. The Chief Executive Officer (Director City Services) be advised that the Shoalhaven Traffic Committee has no objection to the proposed signage, linemarking and intersection upgrade associated with the development at 51 Tea Tree Lane, Nowra Hill, as per Plan No. D24/76320 and D24/85157.
- 2. The recommendation be approved by the Director City Services under delegated authority from Shoalhaven City Council refer MIN21.411.

Background:

Applicant: CivPlan Pty Ltd

Owner: Ozy Homes Pty Ltd

51 Tea Tree Lane, Nowra Hill - Lot 5 - DP1259527 - Torrens Title Subdivision

Traffic Committee's approval is being sought for the updated signage and linemarking plan associated with the intersection upgrade at Flinders Road and Cumberland Avenue, South Nowra associated with the proposed development at 51 Tea Tree Lane, Nowra Hill.

As per Condition(s) (39) of the development consent, the following is required:

39. Road Design Standards (Urban) - Seagull Intersection Upgrade

Prior to the issue of a Subdivision Works Certificate, certified road design engineering plans for the Flinders Road - Cumberland Avenue intersection upgrade must be prepared by a professional engineer, (as defined in the National Construction Code) or surveyor and approved by Council. The road design must comply with the following:

- a) Generally, in accordance with the Concept Intersection Design Plans by Martens & Associates Consulting Engineers project no. P1806687 planset PS06 rev. A dated 01/09/2020.
- b) The design must be revised to:



- (i) provide a through lane for eastbound traffic on Flinders Road, in accordance with Austroads Guide to Traffic Management Part 6: Intersections, Interchanges and Crossings Management fix 3.19 - seagull treatment (preferred).
- (ii) Must have acceleration and deceleration lanes that are considerate of the surrounding industrial environment and designed to accommodate for heavy vehicles
- (iii) protect the integrity of the through traffic by merging the right turn traffic from Cumberland Avenue rather than merging the through traffic into the turning traffic.
- c) Council's Engineering Design Specifications sections D1 Geometric Road Design and D2– Flexible Pavement Design.
- d) AUSTROADS Design Requirements and Specifications.
- e) Kerb return radii must be suitable for the B-Double design vehicle to complete turning manoeuvres without crossing the centreline
- f) Integral barrier kerb and gutter in accordance with Council's Standard Drawings.
- g) Relocation or protection of all affected services as required by the respective service providers (to be completed at the Developer's expense).29. Kerb Blister Wason St

Shoalhaven City Council Traffic Committee previously did not have any objections to the internal works of the subdivision but requested changes to the signage and linemarking associated with the intersection of Flinders Road and Cumberland Avenue, Nowra Hill. A copy of the prior recommendation (13 February 2024) can be found below:

RECOMMENDATION (By consent)

That:

- 1. The signage and linemarking plans are updated and re-issued to the Shoalhaven Traffic Committee.
- 2. The recommendation be approved by the Director City Services under delegated authority from Shoalhaven City Council refer MIN21.411.

Note: This Recommendation was approved by the Director City Services 16 February 2024.

CARRIED

Details of Submission:

This proposal involves the installation of four standard subdivision 'Give Way' intersection treatments and one seagull intersection upgrade as per development consent Condition 39.

The intersection treatment at Flinders Road and Cumberland Avenue is proposed to consist of traffic calming facilities, deacceleration/acceleration lanes, signage and linemarking, as per the attached plan. The 'through' lane for has now been updated to merge into the 'acceleration' lane as requested by Traffic Committee to improve safety.

To further delineate the 'Give Way' treatments, regulatory 'Give Way' (R1-2) signage and 'Give Way' linemarking, TB, TB1 and Double Barrier (BB) lines would be provided at the following intersections of the subdivision:

- Intersection of Road 03 (EC01) and Road 01 (EC01)
- Intersection of Road 01 (EC01) and Road 01 (MC01)



- Intersection of Road 01 (EC01) and Road 02 (MC02)
- Intersection of Road 01 (MC01) and Road 02 (MC02)

No changes have been made to this aspect of the proposal.

Consultation:

This Development Application has been on Public Exhibition between 13 November 2019 and 13 December 2019 with feedback requested from the community, directly affected residents and local community consultative body. No submissions regarding signage and linemarking were received. Council subsequently approved this development on 7 December 2020.

Risk Implications:

The proposed measures are expected to improve intersection safety at Flinders Road and Cumberland Avenue. It is noted that the acceleration lane for the Seagull Intersection Upgrade does not meet the "preferred" length of 2000m for truck usage under *Austroads Part 4A – Section 5.4 Acceleration Lanes for Trucks, Table 5.8.* However, as also stated in that section:

It is seldom practical to provide an acceleration lane of sufficient length on upgrades to enable trucks to accelerate to design speed for through lanes or even a reasonable decrement below the speed of a through lane.

As such, and as demonstrated in the Risk Assessment provided, this current design is deemed to provide the optimal solution for the existing site constraints, whilst maintaining satisfactory sight distances. Additionally, in order to allow for maximum visibility and safety for merging, the 'through' lane has been designed to merge into the 'acceleration' lane.

Furthermore, the works are stipulated in a valid development consent. Undue prevention of, delay to, or alteration to the completion of requirements of the consent may expose Council to legal action.

Financial Implications:

The implementation of this proposal will be funded by the private developer and there will be no financial implications to Council. However, Council will be responsible for the ongoing maintenance of these assets.



INTERSECTION UPGRADE WORKS - SEAGULL INTERSECTION INTERSECTION OF FLINDERS ROAD AND CLUMBERLAND AVENUE, NOWRA HILL

CIVIL ENGINEERING DETAILED DESIGN - ROAD & DRAINAGE

SHOALHAVEN CITY COUNCIL DEVELOPMENT APPLICATION NO. SF10765 DATED 07 DECEMBER 2020



SITE	LOCALITY	PLAN
	1-2500 @ 41	

RESUBMISSION TO COUNCIL FOR \$138 APPROVAL SUBMISSION TO COUNCIL FOR \$138 APPROVAL AMENDED SUBMISSION TO COUNCIL FOR \$138 APPROVA

SURVEY ASS REV DESCRIPTION

CHECKED RB

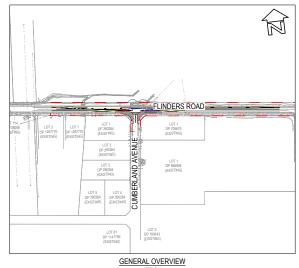
APPROVED JW

SCALE: AS NOTED SIZE: A1

DATE OF SURVEY: 07 APRIL 2021

DATUM: MGA2020, AHD

DRAWING SCHEDULE INDEX		
SHEET	TITLE	RE\
20029-801	COVER AND INDEX	Е
20029-802	NOTES AND LEGEND	A
20029-803	GENERAL ARRANGEMENT PLAN	В
20029-804	EXISTING SITE PREPARATION PLAN	A
20029-805	EXISTING UTILITIES PLAN - PROTECTION / MINOR SURFACE ADJUSTMENT	A
20029-806	EXISTING UTILITIES PLAN - RELOCATION	A
20029-807	BULK EARTHWORKS PLAN	A
20029-808	SOIL AND WATER MANAGEMENT PLAN	A
20029-809	SOIL AND WATER MANAGEMENT DETAILS	A
20029-810	INTERSECTION LAYOUT PLAN	В
20029-811	ROAD NOMINAL CONTROL ALIGNMENT PLAN	А
20029-812	KERB RETURN LONGITUDINAL SECTIONS SHEET 1 OF 2	Α
20029-813	KERB RETURN LONGITUDINAL SECTIONS SHEET 2 OF 2	A
20029-814	ROAD AND PAVEMENT DETAILS	A
20029-815	PAVEMENT CONSTRUCTION PLAN	С
20029-816	SIGNAGE AND LINE MARKING LAYOUT PLAN	D
20029-817	SIGNAGE AND LINE MARKING PLAN 1 OF 3	С
20029-818	SIGNAGE AND LINE MARKING PLAN 2 OF 3	D
20029-819	SIGNAGE AND LINE MARKING PLAN 3 OF 3	D
20029-820	DRAINAGE LAYOUT PLAN	А
20029-821	DRAINAGE DETAILS 1 OF 2	A
20029-822	DRAINAGE DETAILS 2 OF 2	A



Shoalhaven Traffic Committee: 12 March 2024

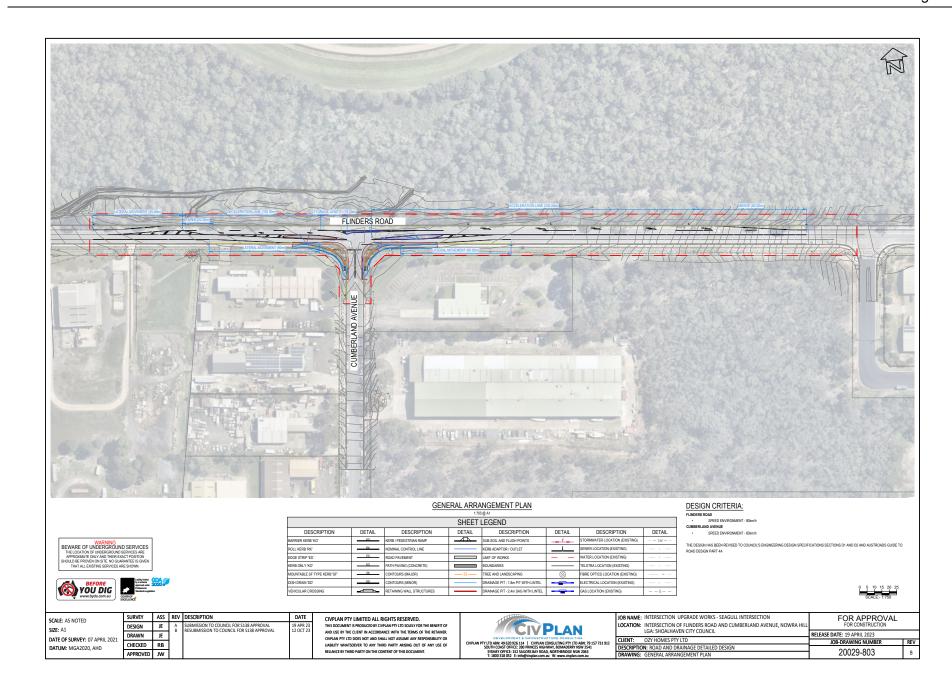
•	D24/76320	
	V111111	94.

CIVPLAN PTY LIMITED ALL RIGHTS RESERVED.
THIS DOCUMENT IS PRODUCED BY CIVPLAN PTY LTD SOLELY FOR THE BENEFIT OF
AND USE BY THE CLIENT IN ACCORDANCE WITH THE TERMS OF THE RETAINER.
CIVPLAN PTY LTD DOES NOT AND SHALL NOT ASSUME ANY RESPONSIBILITY OR
LIABILITY WHATSOEVER TO ANY THIRD PARTY ARISING OUT OF ANY USE OF
RELIANCE BY THIRD PARTY ON THE CONTENT OF THIS DOCUMENT.

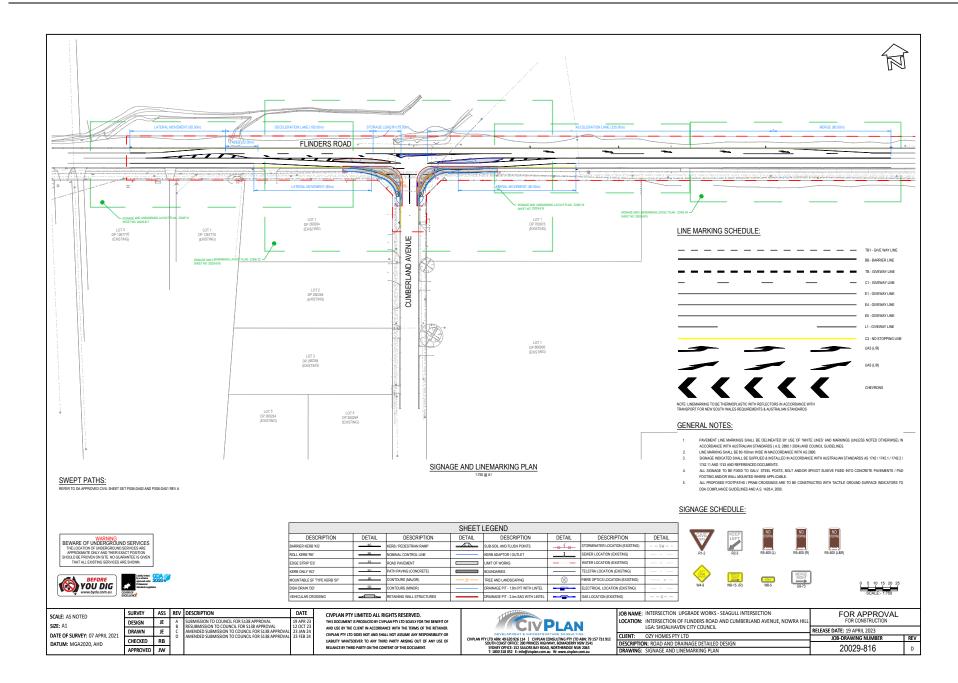


	LOCATION: II	NTERSECTION UPGRADE WORKS - SEAGULL INTERSECTION NTERSECTION OF FLINDERS ROAD AND CUMBERLAND AVENUE, NOWRA HILL	FOR APPROVAL FOR CONSTRUCTION	
		LGA: SHOALHAVEN CITY COUNCIL	RELEASE DATE: 19 APRIL 2023	
2		DZY HOMES PTY LTD	JOB-DRAWING NUMBER	REV
	DESCRIPTION: ROAD AND DRAINAGE DETAILED DESIGN		20029-801	
	DRAWING: C	COVER AND INDEX	20029-001	Ŀ

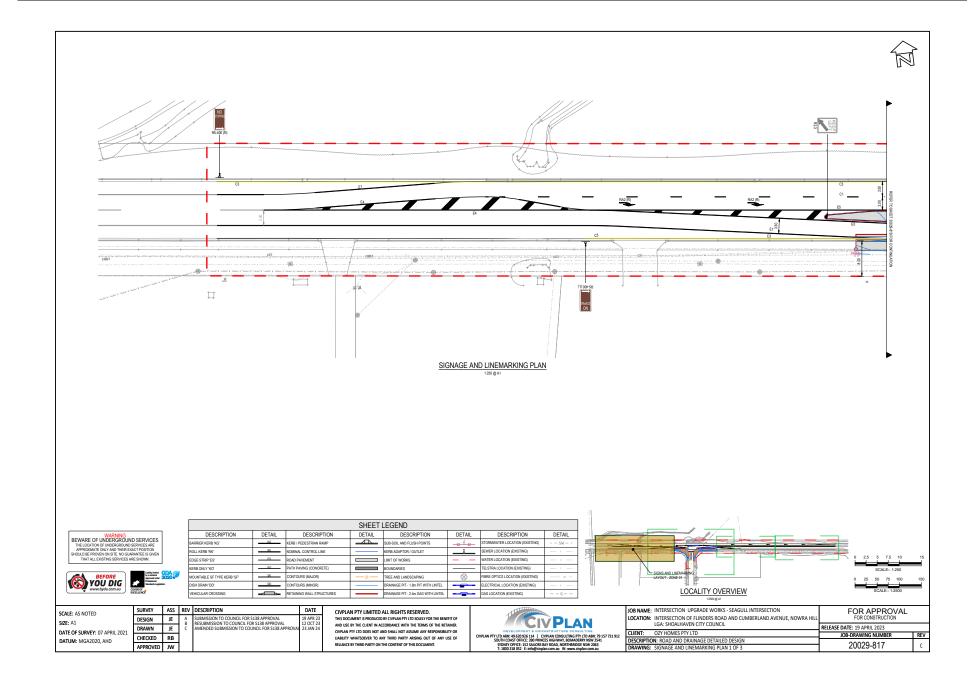




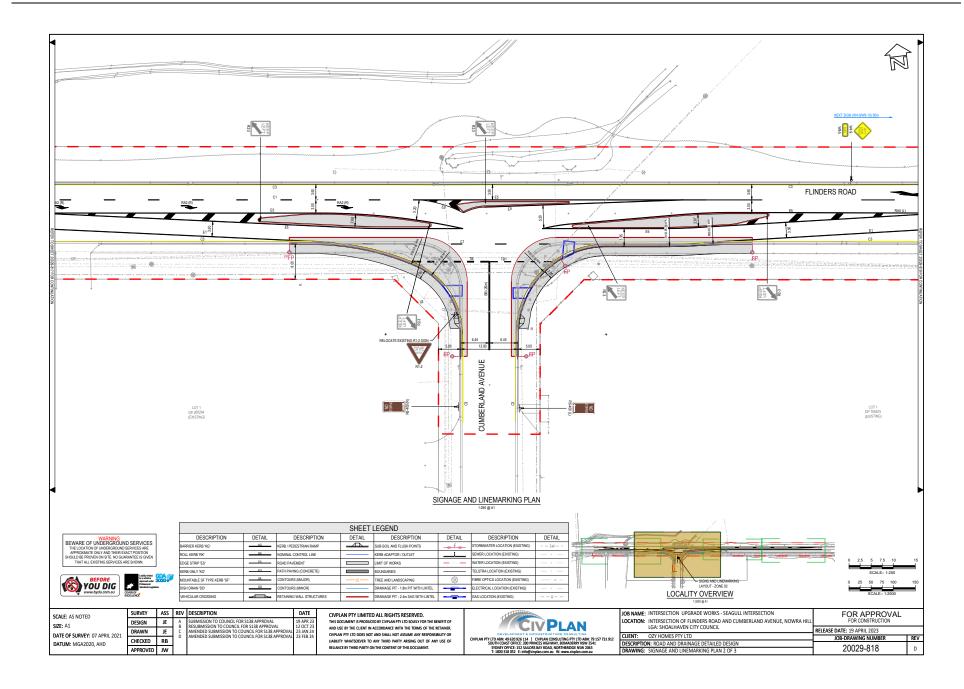




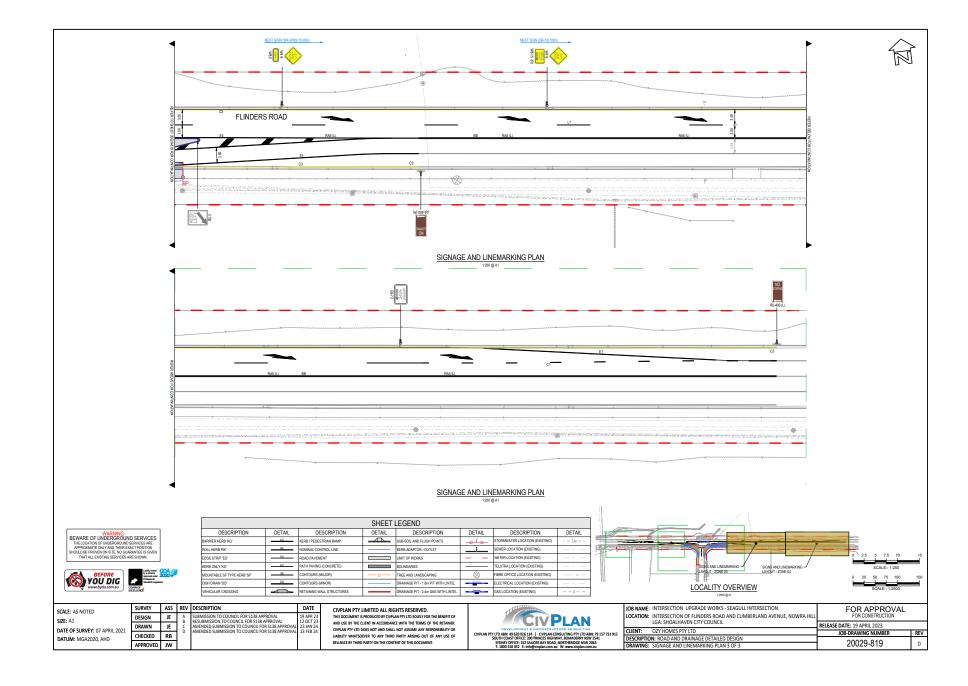




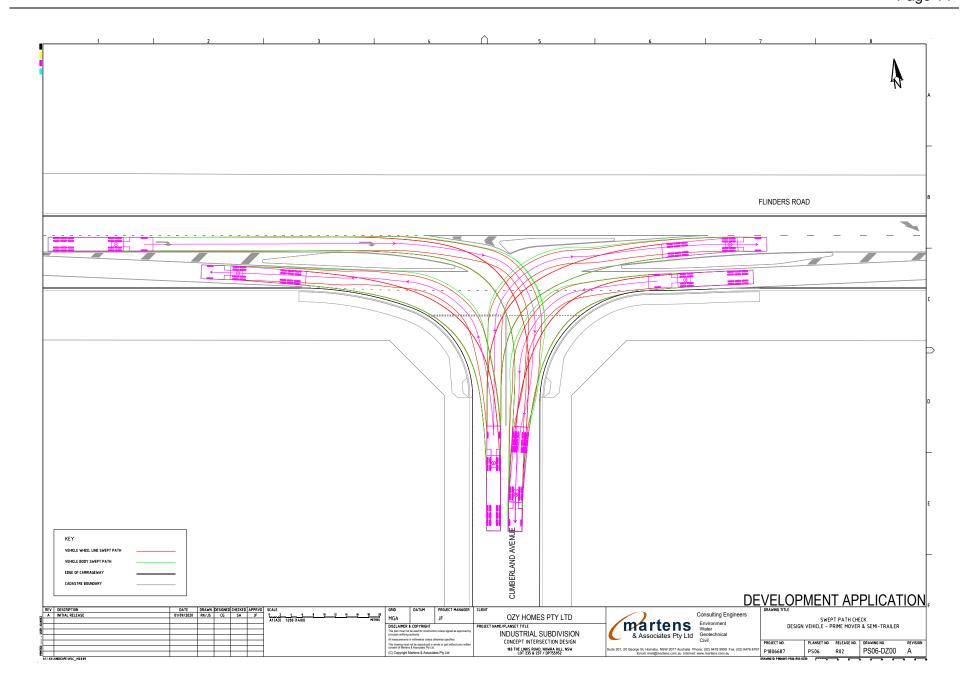




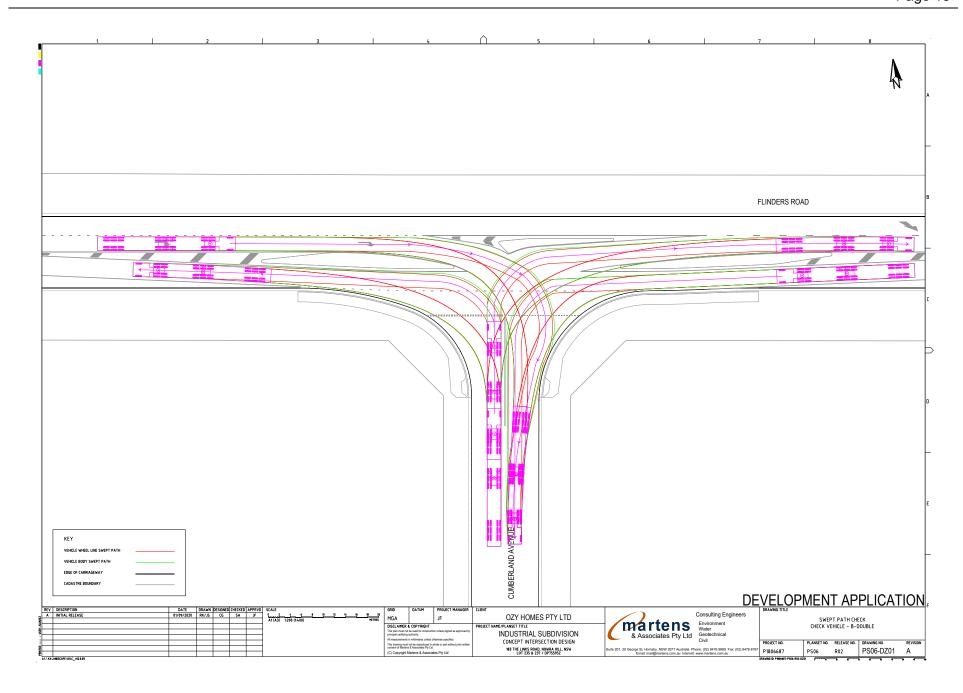




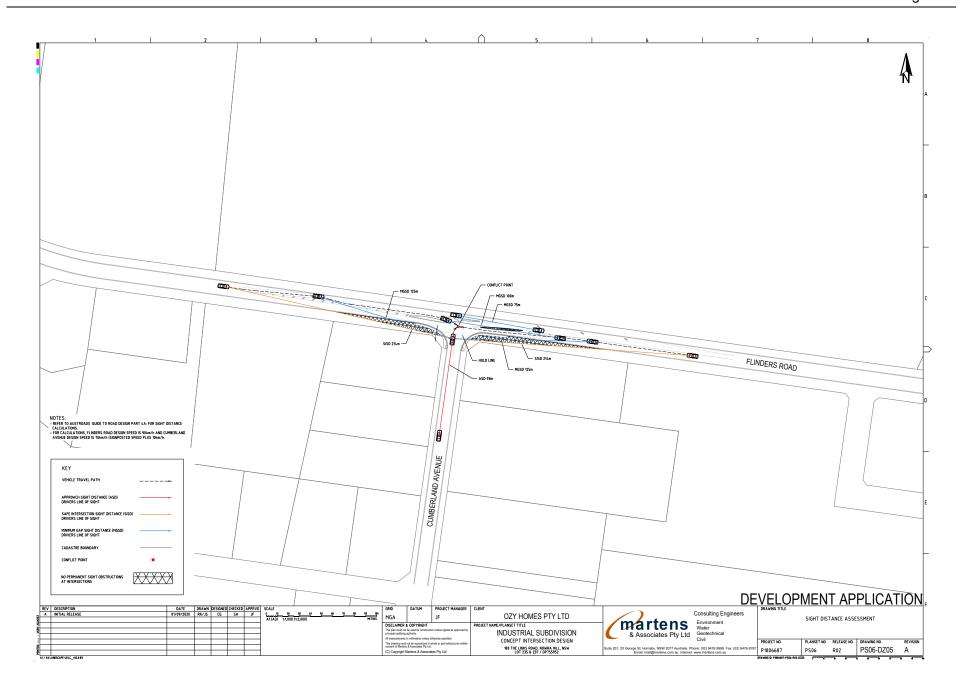












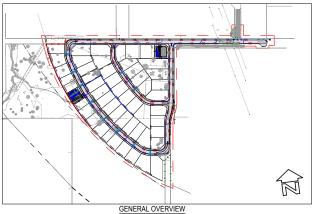


51 TEA TREE LANE, NOWRA HILL - LOT 5 D.P. 1259527183 **54 LOT INDUSTRIAL SUBDIVISON**

CIVIL ENGINEERING DETAILED DESIGN - ROAD AND DRAINAGE PACKAGE



SITE LOCALITY PLAN



DRAWING SCHEDULE INDEX			
SHEET	TITLE	REV	
20029-101	COVER AND INDEX	D	
20029-102	NOTES AND LEGEND	A	
20029-103	GENERAL ARRANGEMENT PLAN	D	
20029-104	EXISTING AND SITE PREPARATION PLAN	В	
20029-105	SOIL AND WATER MANAGEMENT LAYOUT PLAN	D	
20029-106	SOIL AND WATER MANAGEMENT DETAILS 1 OF 2	A	
20029-107	SOIL AND WATER MANAGEMENT DETAILS 2 OF 2	A	
20029-108	BULK EARTHWORKS PLAN	D	
20029-109	ROAD LAYOUT PLAN - 1 OF 4	D	
20029-110	ROAD LAYOUT PLAN - 2 OF 4	A	
20029-111	ROAD LAYOUT PLAN - 3 OF 4	A	
20029-112	ROAD LAYOUT PLAN - 4 OF 4	В	
20029-113	LONGITUDINAL AND TYPICAL SECTIONS 1 OF 5	D	
20029-114	LONGITUDINAL AND TYPICAL SECTIONS 2 OF 5	D	
20029-115	LONGITUDINAL AND TYPICAL SECTIONS 3 OF 5	С	
20029-116	LONGITUDINAL AND TYPICAL SECTIONS 4 OF 5	С	
20029-117	LONGITUDINAL AND TYPICAL SECTIONS 5 OF 5	D	
20029-118	ROAD 01 EC01 CROSS SECTION 1 OF 7	D	
20029-119	ROAD 01 EC01 CROSS SECTION 2 OF 7	D	
20029-120	ROAD 01 EC01 CROSS SECTION 3 OF 7	D	
20029-121	ROAD 01 EC01 CROSS SECTION 4 OF 7	D	
20029-122	ROAD 01 EC01 CROSS SECTION 5 OF 7	D	
20029-123	ROAD 01 EC01 CROSS SECTION 6 OF 7	D	
20029-124	ROAD 01 EC01 CROSS SECTION 7 OF 7	D	
20029-125	ROAD 01 MC01 CROSS SECTION 1 OF 9	С	
20029-126	ROAD 01 MC01 CROSS SECTION 2 OF 9	С	
20029-127	ROAD 01 MC01 CROSS SECTION 3 OF 9	С	
20029-128	ROAD 01 MC01 CROSS SECTION 4 OF 9	С	
20029-129	ROAD 01 MC01 CROSS SECTION 5 OF 9	С	
20029-130	ROAD 01 MC01 CROSS SECTION 6 OF 9	С	
20029-131	ROAD 01 MC01 CROSS SECTION 7 OF 9	С	
20029-132	ROAD 01 MC01 CROSS SECTION 8 OF 9	D	
20029-133	ROAD 01 MC01 CROSS SECTION 9 OF 9	D	
20029-134	ROAD 02 MC02 CROSS SECTION 1 OF 3	С	
20029-135	ROAD 02 MC02 CROSS SECTION 2 OF 3	С	
20029-136	ROAD 02 MC02 CROSS SECTION 3 OF 3	С	
20029-137	BLANK PAGE	С	
20029-138	ROAD 03 MC03 CROSS SECTION 1 OF 1	D	
20029-139	KERB RETURN DETAILS 1 OF 3	D	
20029-140	KERB RETURN DETAILS 2 OF 3	С	
22029-141	KERB RETURN DETAILS 3 OF 3	D	
20029-142	ROAD AND PAVEMENT TYPICAL DETAILS	В	

20029-143	PAVEMENT PLAN	В
20029-144	RETAINING WALL LAYOUT PLAN	D
20029-145	RETAINING WALL LONGITUDINAL SECTIONS	D
20029-146	BLANK PAGE	В
20029-147	BLANK PAGE	В
20029-148	BLANK PAGE	В
20029-149	BLANK PAGE	В
20029-150	DRAINAGE LAYOUT PLAN - 1 OF 6	С
20029-151	DRAINAGE LAYOUT PLAN - 2 OF 6	D
20029-152	DRAINAGE LAYOUT PLAN - 3 OF 6	D
20029-153	DRAINAGE LAYOUT PLAN - 4 OF 6	A
20029-154	DRAINAGE LAYOUT PLAN - 5 OF 6	A
20029-155	DRAINAGE LAYOUT PLAN - 6 OF 6	A
20029-156	DRAINAGE LONGITUDINAL SECTIONS 1 OF 22	D
20029-157	DRAINAGE LONGITUDINAL SECTIONS 2 OF 22	D
20029-158	DRAINAGE LONGITUDINAL SECTIONS 3 OF 22	D
20029-159	DRAINAGE LONGITUDINAL SECTIONS 4 OF 22	D
20029-160	DRAINAGE LONGITUDINAL SECTIONS 5 OF 22	D
20029-161	DRAINAGE LONGITUDINAL SECTIONS 6 OF 22	D
20029-162	DRAINAGE LONGITUDINAL SECTIONS 7 OF 22	D
20029-163	DRAINAGE LONGITUDINAL SECTIONS 8 OF 22	D
20029-164	DRAINAGE LONGITUDINAL SECTIONS 9 OF 22	D
20029-165	DRAINAGE LONGITUDINAL SECTIONS 10 OF 22	D
20029-166	DRAINAGE LONGITUDINAL SECTIONS 11 OF 22	D
20029-167	DRAINAGE LONGITUDINAL SECTIONS 12 OF 22	D
20029-168	DRAINAGE LONGITUDINAL SECTIONS 13 OF 22	D
20029-169	DRAINAGE LONGITUDINAL SECTIONS 14 OF 22	D
20029-170	DRAINAGE LONGITUDINAL SECTIONS 15 OF 22	D
20029-171	DRAINAGE LONGITUDINAL SECTIONS 16 OF 22	D
20029-172	DRAINAGE LONGITUDINAL SECTIONS 17 OF 22	D
20029-173	DRAINAGE LONGITUDINAL SECTIONS 18 OF 22	D
20029-174	DRAINAGE LONGITUDINAL SECTIONS 19 OF 22	D
20029-175	DRAINAGE LONGITUDINAL SECTIONS 20 OF 22	D
20029-176	DRAINAGE LONGITUDINAL SECTIONS 21 OF 22	D
20029-177	DRAINAGE LONGITUDINAL SECTIONS 22 OF 22	D
20029-178	DRAINAGE DETAILS PLAN 1 OF 2	С
20029-179	DRAINAGE DETAILS PLAN 2 OF 2	С
20029-180	DRAINAGE OSD AND BIORETENTION SECTIONS 1 OF 4	D
20029-181	DRAINAGE OSD AND BIORETENTION SECTIONS 2 OF 4	D
20029-182	DRAINAGE OSD AND BIORETENTION SECTIONS 3 OF 4	D
20029-183	DRAINAGE OSD AND BIORETENTION SECTIONS 4 OF 4	D
20029-184	STORMWATER QUANTITY MODELLING PLAN	D
20029-185	STORMWATER QUALITY MODELLING	D
20029-186	DRAINAGE CALCULATIONS	D

Shoalhaven Traffic Committee: 12 March 2024 D24/85157

)	50	100	150
	SCALE:	- 1:3000	

SCALE: AS N	NOTED
SIZE: A1	
DATE OF SU	IRVEY: 07 APRIL 2021
DATUM: M	GA2020, AHD

SURVEY AS REV DESCRIPTION SWC - COUNCIL COMMENTS
RESUBMISSION TO COUNCIL FOR SWC APPROVAL
RESUBMISSION TO COUNCIL FOR SWC APPROVAL DRAWN CM CHECKED RB APPROVED JW

CIVPLAN PTY LIMITED ALL RIGHTS RESERVED. CIVPLAN PTY LTD DOES NOT AND SHALL NOT ASSUME ANY RESPONSIBILITY OR RELIANCE BY THIRD PARTY ON THE CONTENT OF THIS DOCUMENT.



	JOB NAME: 54 LOT INDUSTRIAL SUBDIVISON LOCATION: 51 TEA TREE LANE, NOWRA HILL - LOT 5 D.P. 1259527183	FOR APPROVAL FOR CONSTRUCTION	
912		RELEASE DATE: 07 MARCH 2023	
	CLIENT: OZY HOMES PTY LTD	JOB-DRAWING NUMBER	REV
	DESCRIPTION: ROAD AND DRAINAGE DETAILED DESIGN	00000 404	_
	DRAWING: COVER AND INDEX	20029-101	D



