

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

Shoalhaven Traffic Committee

Meeting Date: Tuesday, 14 June, 2022 Location: Teams Meeting Time: 9:30am

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				
Confirmation of Minutes				
Shoalha	aven Traffic Committee - 10 May 2022	1		
Business Arising from Previous Minutes				
Reports of	the Convenor			
TC22.14	Road Rehabilitation - Sydney Street and Bowen Street (Owen St to Hawke St) Huskisson (PN 3694)	7		
TC22.15	Road Safety Improvements - Sussex Inlet Road & Jacobs Drive - Sussex Inlet (PN 3701)	10		
TC22.16	Signage and Linemarking Plan - Lot 1 DP 949932 - Taylors Lane - Cambewarra (PN 3706)	14		
TC22.17	Pedestrian Safety Improvements - Egans Lane Car Park - Nowra (PN 3702)	18		
TC22.18	Road Safety Improvements - Quinns Lane & Enterprise Avenue - South Nowra (PN 3703)	22		
TC22.19	Proposed Intersection Improvements - Killara Road & Patonga Street - Nowra (PN 3704)	25		
TC22.20	Proposed Parking Restrictions - Kameruka Crescent - Nowra (PN 3705)	28		
TC22.21	Proposed Parking Restrictions - Camden Street & Croft Avenue - Ulladulla (PN 3699)	30		
TC22.22	Road Safety Improvements - South Street - Powell Avenue - Did-Dell Street - Ulladulla (PN 3700)	36		
TC22.23	Proposed Raised Children's Crossing - Thomas Street - Milton (PN 3698)	44		
	Confirmation Shoalha Business A Reports of TC22.14 TC22.15 TC22.16 TC22.17 TC22.17 TC22.18 TC22.19 TC22.20 TC22.21 TC22.21	 Confirmation of Minutes Shoalhaven Traffic Committee - 10 May 2022		



TC22.24	Proposed Roundabout - Bishop Drive - Combe Drive - Mollymook		
	Beach (PN3697)		

5. General Business

Note: The next meeting will be held on Tuesday 12 July 2022.



Membership Mr David Pieresko – Convenor Clr Patricia White Clr Matthew Norris Ms Nicole Brodie Sergeant Kelly Thomas Ms Shelley Hancock 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. The Roads and Maritime Services (RMS) 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
- RMS
- Shoalhaven City Council
- Local State Member of Parliament (for the location of the issue to be voted upon)

If the RMS 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 <u>RMS Website</u>



Meeting Minutes

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

MINUTES OF THE SHOALHAVEN TRAFFIC COMMITTEE

Meeting Date:Tuesday, 10 May 2022Location:Teams MeetingTime:9:30am

The following members were present:

Convenor David Pieresko – Senior Civil Engineer Ankit Bhangale – TfNSW Nicole Brodie - TfNSW Sgt Kelly Thomas – NSW Police - submitted his vote via email Mr Adam Carney – representing Ms Shelley Hancock - MP Stuart Coughlan – representing Mr Gareth Ward - MP - submitted his vote via email

Others Present:

Craig Exton – Technical Services Manager Ryleigh Bowman – Design Engineer Lynette Melville – Non Voting Member - Premier Motor Services

Apologies / Leave of Absence

An apology was received from Stuart Coughlan and Clr White.

Confirmation of the Minutes

RESOLVED (By consent)

That the Minutes of the Shoalhaven Traffic Committee held on Tuesday 12 April 2022 be confirmed.

CARRIED

Business Arising from Previous Minutes

Nil



REPORTS OF THE CONVENOR

TC22.6Parking Restrictions - Lake Conjola Boat Ramp CarparkHPERM Ref:- Lake Conjola Entrance Road - Lake Conjola (PN 3686)D22/169790

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 at Lake Conjola Entrance Road, Lake Conjola as per Plan No D22/169813.
- 2. The recommendation be approved by the Director City Services under delegated authority from Shoalhaven City Council refer MIN21.411

RECOMMENDATION (By consent)

That:

- The Chief Executive Officer (Director City Services) be advised that the Shoalhaven Traffic Committee has no objection to the proposed Parking Restrictions at Lake Conjola Entrance Road, Lake Conjola as per Plan No D22/169813.
- 2. The recommendation be approved by the Director City Services under delegated authority from Shoalhaven City Council refer MIN21.411

CARRIED

Note: This Recommendation was approved by the Director City Services – 11 May 2022.

TC22.7	Proposed Linemarking - Woodburn Road - Woodstock	HPERM Ref:
	Road - Wheelbarrow Road - Morton (PN 3687)	D22/170692

Recommendation

That:

- 1. The Chief Executive Officer (Director City Services) be advised that the Shoalhaven Traffic Committee has no objection to the proposed signposting and linemarking changes at the intersection of Woodburn Road, Woodstock Road, and Wheelbarrow Road as per Plan No D22/170834.
- 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 signposting and linemarking changes at the intersection of Woodburn Road, Woodstock Road, and Wheelbarrow Road as per Plan No D22/170834.
- 2. The recommendation be approved by the Director City Services under delegated authority from Shoalhaven City Council refer MIN21.411

CARRIED



TC22.8 Road Safety Improvements - Comerong Island Road -Numbaa (PN 3688)

HPERM Ref: D22/174624

Recommendation

That:

- 1. The Chief Executive Officer (Director City Services) be advised that the Shoalhaven Traffic Committee has no objection to the proposed signposting and linemarking improvements on Comerong Island Road, Numbaa (between CH 4845m 5420m) as per Plan No D22/177119.
- 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 signposting and linemarking improvements on Comerong Island Road, Numbaa (between CH 4845m 5420m) as per Plan No D22/177119.
- 2. The recommendation be approved by the Director City Services under delegated authority from Shoalhaven City Council refer MIN21.411

CARRIED

Note: This Recommendation was approved by the Director City Services – 11 May 2022.

TC22.9 Proposed Parking Restrictions - Reg Wilson Way -		HPERM Ref:
	Greenwell Point (PN 3689)	D22/176311

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 to Reg Wilson Way, Greenwell Point as per Plan No D22/177500.
- 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 to Reg Wilson Way, Greenwell Point as per Plan No D22/177500.
- 2. A 12 month period be set to received feedback and review the success
- 3. The recommendation be approved by the Director City Services under delegated authority from Shoalhaven City Council refer MIN21.411

CARRIED



TC22.10 Proposed Car Park Safety Improvements - Egans Lane Carpark - Nowra (PN 3690)

HPERM Ref: D22/176380

As part of further consultation, David Pieresko – Senior Civil Engineer will liaise with Pip Hildebrand, as this site is being shortlisted for an electric vehicle charging station.

Recommendation

That:

- 1. The Chief Executive Officer (Director City Services) be advised that the Shoalhaven Traffic Committee has no objection to the proposed parking space modifications and signage and linemarking improvements within the Egans Lane Carpark, Nowra as per Plan No D22/177626.
- 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 space modifications and signage and linemarking improvements within the Egans Lane Carpark, Nowra as per Plan No D22/177626.
- 2. The recommendation be approved by the Director City Services under delegated authority from Shoalhaven City Council refer MIN21.411

CARRIED

Note: This Recommendation was approved by the Director City Services – 11 May 2022.

TC22.11	Proposed Roundabout - Sydney Street - Owen Street -	HPERM Ref:
	Huskisson (PN 3692)	D22/177413

Recommendation

That:

- 1. The Chief Executive Officer (Director City Services) be advised that the Shoalhaven Traffic Committee has no objection to the proposed roundabout at intersection of Sydney St and Owen St, Huskisson as per Plan No D22/177566;
- 2. The recommendation be approved by the Director City Services under delegated authority from Shoalhaven City Council refer MIN21.411

RECOMMENDATION (By consent)

That:

- The Chief Executive Officer (Director City Services) be advised that the Shoalhaven Traffic Committee has no objection to the proposed roundabout at intersection of Sydney St and Owen St, Huskisson as per Plan No D22/177566;
- 2. The recommendation be approved by the Director City Services under delegated authority from Shoalhaven City Council refer MIN21.411

CARRIED

TC22.12 Signage and Linemarking Plan - Lot 11 DP 1264810 Matron Porter Drive (Bishop Drive) - Mollymook Beach (PN 3691)

HPERM Ref: D22/178362

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 improvements associated with the development at Lot 11 DP 1264810 Matron Porter Drive, Mollymook Beach (per development consent conditions 14 and 27), as per Plan No: D22/178580.
- 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 improvements associated with the development at Lot 11 DP 1264810 Matron Porter Drive, Mollymook Beach (per development consent conditions 14 and 27), as per Plan No: D22/178580.
- 2. The recommendation be approved by the Director City Services under delegated authority from Shoalhaven City Council refer MIN21.411

CARRIED

Note: This Recommendation was approved by the Director City Services – 11 May 2022.

TC22.13Proposed Modifications - Load Limit Signage -
Shoalhaven Local Government Area (PN 3693)HPERM Ref:
D22/178885

Recommendation

That:

- 1. The Chief Executive Officer (Director City Services) be advised that the Shoalhaven Traffic Committee has no objection to the proposed modification of Load Limit signs within the Shoalhaven Local Government Area, to be assessed as a case-by-case basis alongside advice received from Transport for NSW and relevant stakeholders.
- 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 modification of Load Limit signs within the Shoalhaven Local Government Area, to be assessed as a case-by-case basis alongside advice received from Transport for NSW and relevant stakeholders.
- 2. The recommendation be approved by the Director City Services under delegated authority from Shoalhaven City Council refer MIN21.411

CARRIED



GENERAL BUSINESS

Note: Nicole Brodie - Transport for NSW advised that as part of the 16 Cities Project, which is proposed to commence at the end of the school holidays in July, there will be a few urgent small changes coming in relation to bus stops to next month's Shoalhaven Traffic Committee Meeting. A separate diagram for each will be provided. It was noted that consultation may not be undertaken prior to next month's meeting, however, if it is not, Transport for NSW is hoping to submit with wording to reflect 'subject to consultation'. There will also be additional future changes in to those coming next month, however, those that are submitted to next month's meeting, will be those of urgency.

There being no further business, the meeting concluded, the time being 10.06am.

David Pieresko – Senior Civil Engineer CONVENER



HPERM Ref: D22/226718

Convenor: David Pieresko

Attachments: 1. PN 3694 Plans J

Recommendation

hoalhaven

City Council

That:

- 1. The Chief Executive Officer (Director City Services) be advised that the Shoalhaven Traffic Committee has no objection to the proposed Road rehabilitation on Sydney Street and Bowen Street, Huskisson as per Plan No D22/223970
- 2. The recommendation be approved by the Director City Services under delegated authority from Shoalhaven City Council refer MIN21.411

Background:

The principal objective of this project is to rehabilitate the road along Sydney and Bowen St, Huskisson, under the Maintenance and Repair Program. The additional road widening and kerb & gutter, linemarking and signage being proposed as part of this project are aimed at formalising the road environment, improving road user safety, and accommodating increasing traffic volumes at this location.

Details of Submission:

The project proposes to widen Sydney St and Bowen Street (from Owen Street to Hawke Street) to have 12.1m (lip to lip) wide pavement area including two 3.5m wide travel lanes and on-street parking. Kerb & gutter, stormwater pits and kerb inlet pits are proposed for the extent of the road rehabilitation. Linemarking and signs are proposed to be installed as per the attached plans.

Consultation:

Council commenced consultation with affected residents, stakeholders and the Huskisson Woollamia Community Voice to discuss the proposal. To date, Council has received 7 responses and all were in favour of the project. In particular, Members of Huskisson Woollamia Community Voice suggested to relocate bus parking on Bowen Street between Currambene Street and Hawke Street to a suitable location away from town centre and utilise that space for 90 deg parking which results 23 parking spaces. The Community Voice Team also requested to save three trees in front of house no. 13 and 25 Bowen Street by providing kerb extension. This feedback was taken into consideration, and the design was modified to incorporate these requests. The future inclusion of a Shared User Path is also being investigated at this location as a result of these enquiries.



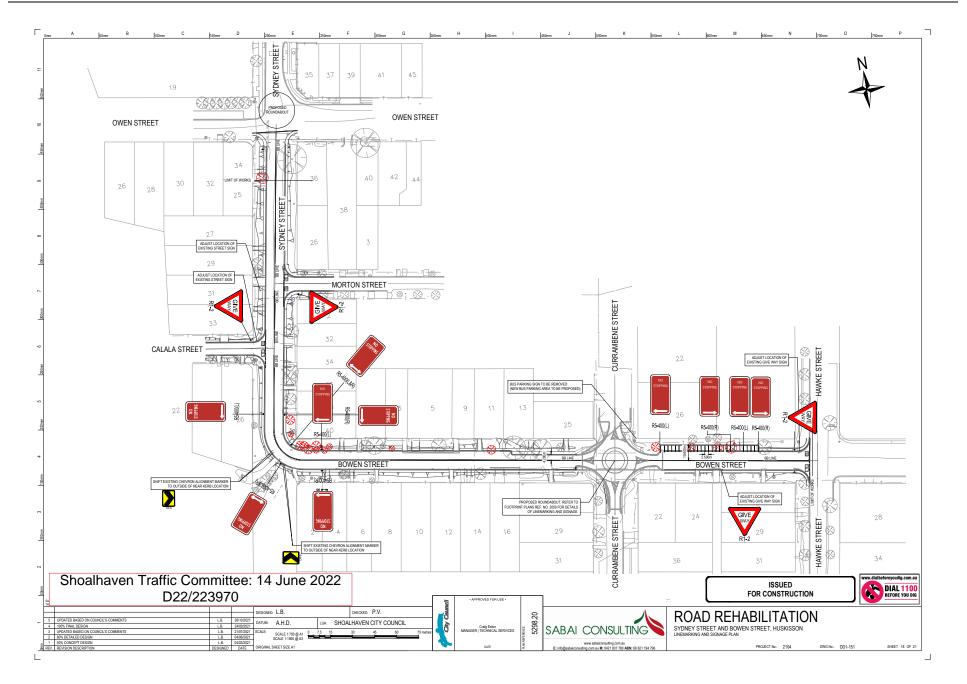
Risk Implications:

The formalisation of the road environment is expected to improve road user safety and accommodate for increasing traffic volumes at this location.

Financial Implications:

This proposal is subject to funding from development contributions for the works at this location.





TC22.15 Road Safety Improvements - Sussex Inlet Road & Jacobs Drive - Sussex Inlet (PN 3701)

HPERM Ref: D22/235526

Convenor: David Pieresko

Attachments: 1. PN 3701 Plans J

Recommendation

That:

- 1. The Chief Executive Officer (Director City Services) be advised that the Shoalhaven Traffic Committee has no objection to the proposed road safety and pedestrian access improvements to the intersection of Sussex Inlet Road and Jacobs Drive, Sussex Inlet as per Plan No D22/235910.
- 2. The recommendation be approved by the Director City Services under delegated authority from Shoalhaven City Council refer MIN21.411.

Background:

Shoalhaven City Council has obtained grant funding from the NSW Government under the Country Passenger Transport Infrastructure Grants Scheme (CPTIGS). As part of this grant, road safety and pedestrian access improvements have been proposed at the intersection of Sussex Inlet Road and Jacobs Drive, Sussex Inlet.

Details of Submission:

The extent of this proposal would involve the formalisation of bus bays on both northern and southern sides of Sussex Inlet Road. These bus bays would be regulated by R5-20 'Bus Zone' signage and would be accompanied by a bus shelter on the southern side of the intersection. Both bays would have the compliant storage length to accommodate a standard bus for the purposes of picking up or dropping off passengers.

Footpaths linking both of these bus stops have also been considered in this proposal, along with a pedestrian refuge to facilitate safe access across Jacobs Drive. Drainage improvements are also proposed at this intersection through the installation of kerb and gutter and stormwater pits and pipes across the southern side of Sussex Inlet Road. Additionally, a swale drain has been proposed along the northern side of Jacobs Drive to effectively capture and redirect stormwater during heavy rainfall events.

The proposal would also be supported by relevant changes to linemarking, including new edge lines and painted chevrons. This would include the delineation of the required 'No Stopping' lengths from an intersection (as per s170(3) of the NSW Road Rules), to be achieved through C3 yellow linemarking.

Consultation:

Council commenced consultation with affected residents, local bus operators and the Sussex Inlet and Districts Community Forum. To date, Council has received three submissions in favour of the proposal. These submissions requested that Council ensure that pedestrian safety and access into the adjacent petrol station would not be affected.



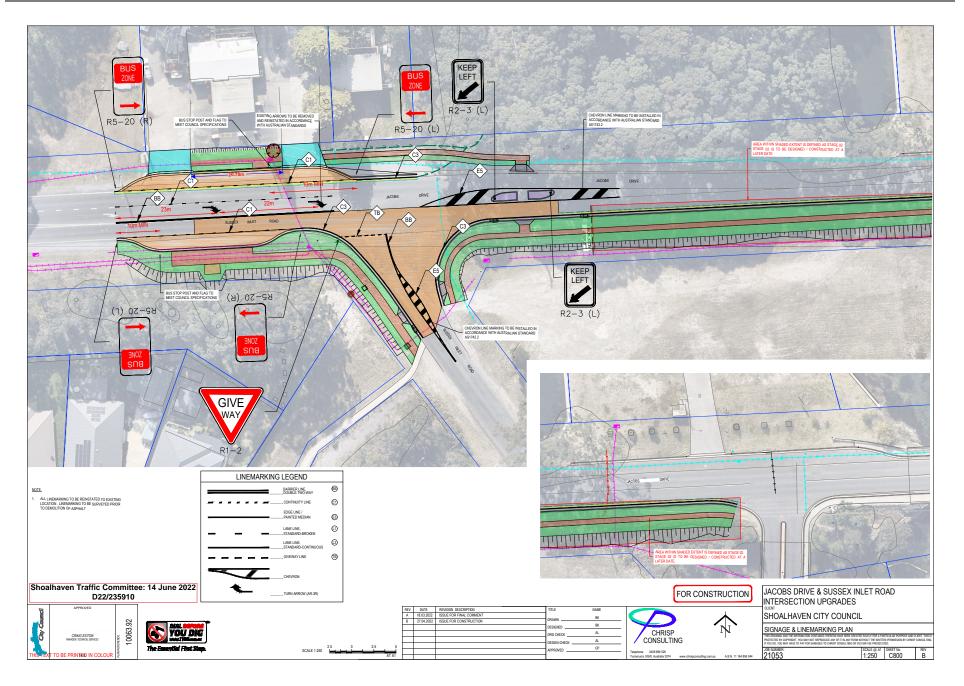
Risk Implications:

This proposal is expected to improve road safety and pedestrian access at this location. The proposed infrastructure would also address drainage and ongoing road maintenance issues at the intersection.

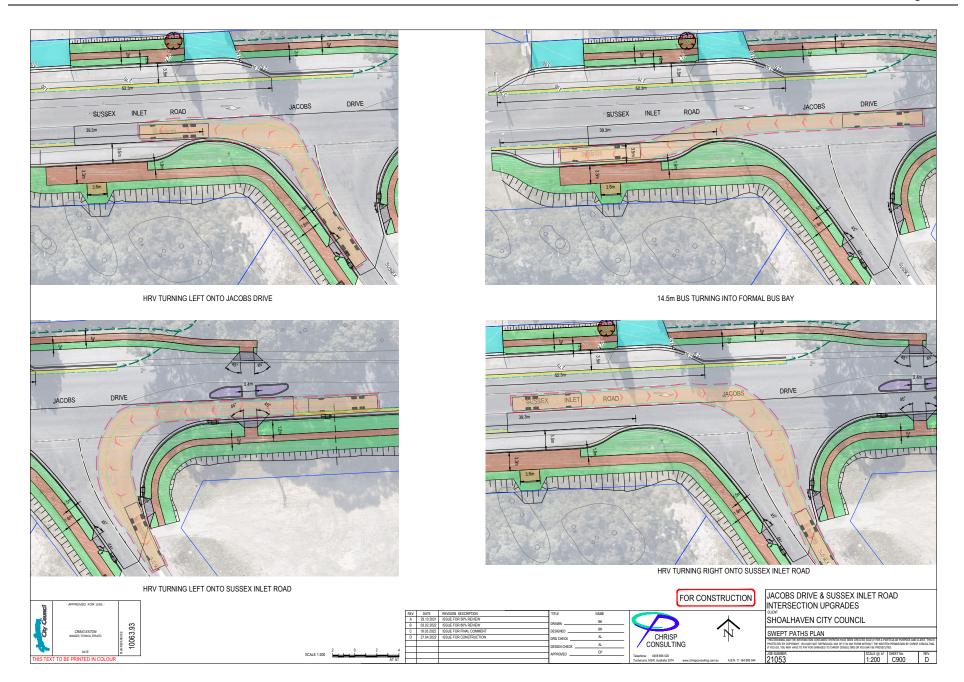
Financial Implications:

This proposal would be partially funded by the CPTIGS grant obtained from the NSW Government. Additional costs beyond this grant fund would be subject to further funding from Council.









TC22.16 Signage and Linemarking Plan - Lot 1 DP 949932 - Taylors Lane - Cambewarra (PN 3706)

HPERM Ref: D22/237307

Convenor: David Pieresko

Attachments: 1. PN 3706 Plans J

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 Lot 1 DP 949932 Taylors Lane, Cambewarra (per development consent conditions 20 and 21), as per Plan No: D22/237355.
- 2. The recommendation be approved by the Director City Services under delegated authority from Shoalhaven City Council refer MIN21.411.

Details

Applicant: Cambewarra Ventures Owner: Cambewarra Ventures

Lot 1 DP 949932 – Taylors Lane – Cambewarra – Residential subdivision of residue allotment approved by Development Consent SF10632 (as modified) to create 30 Torrens Title allotments, including 29 residential lots and provision of associated civil infrastructure and landscaping

As per Conditions 20 – 21 of the development consent (DA21/2001), the following is required:

21. Road Design Standards (Urban) – Greenfield Subdivision

Prior to the issue of a Subdivision Works Certificate, certified road design engineering plans must be prepared by a professional engineer, (as defined in the National Construction Code) or surveyor and approved by the Certifier. The road design must comply with the following:

- a) Generally comply with concept engineering plans by Maker ENG (Reference No. ISC00211-40-C010, C015, C016 & C050-053 (Sheet No. 1-4), Revision P1, dated 23/07/2021).
- b) Council's Engineering Design Specifications sections D1 Geometric Road Design and D2 Flexible Pavement Design.
- c) AUSTROADS Design Requirements and Specifications.
- d) Avoid trapped low points and ensure that overland flow is passed safely over public land.
- e) Design Vehicle 8.8m service vehicle.
- f) Integral kerb and gutter / layback kerb and gutter in accordance with Council's Standard Drawings.

- g) Subsoil drainage behind the kerb line on the high side of the road or both side if the cross fall is neutral or the road is in cut.
- h) The construction of a flat top speed hump on Road 03 in the location shown on the referenced plans compliant with AS1742.13.
- *i)* The construction of a cul-de-sac at the termination of Road 04 with a minimum 9.5m radius which demonstrates the manoeuvrability of the design vehicle without the need to reserve.

22. Design Standards – Traffic Committee Referral

Prior to the issue of a Subdivision Works Certificate details of proposed traffic management and traffic control devices must be submitted to the satisfaction of Council for referral and endorsement of the Shoalhaven Traffic Committee.

Note: This process can take six to eight weeks.

A signage and line marking plan has been submitted to the Committee for consideration.

Consultation:

This Development Application had been on Public Exhibition with comments open to be received from the community and affected residents. Council approved this development application on the 13th January 2022.

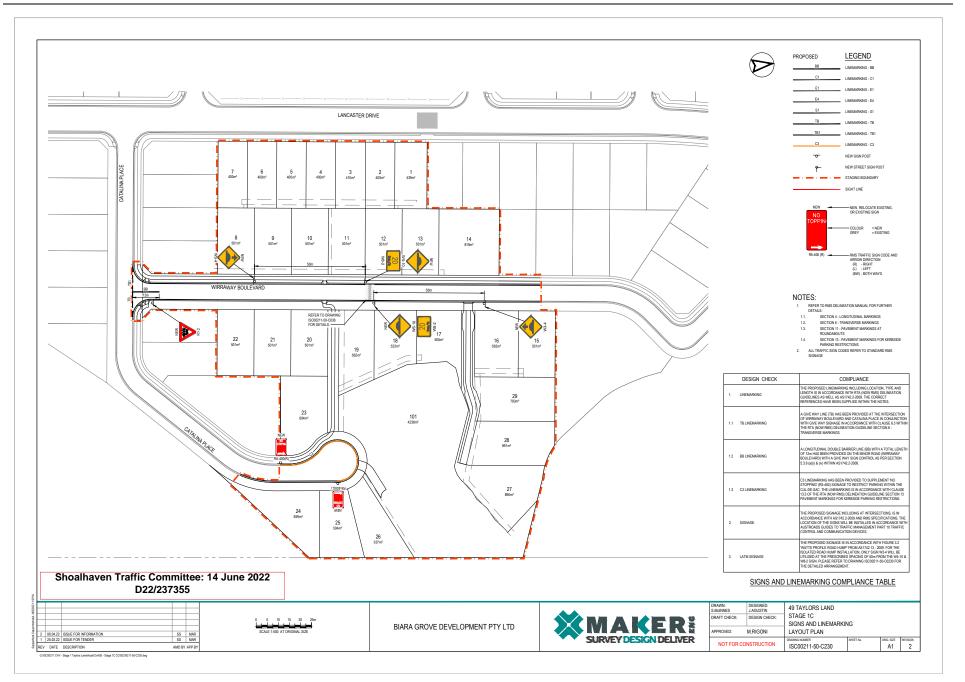
Risk Implications:

The proposed measures are expected to provide safe traffic management for this proposed subdivision. 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:

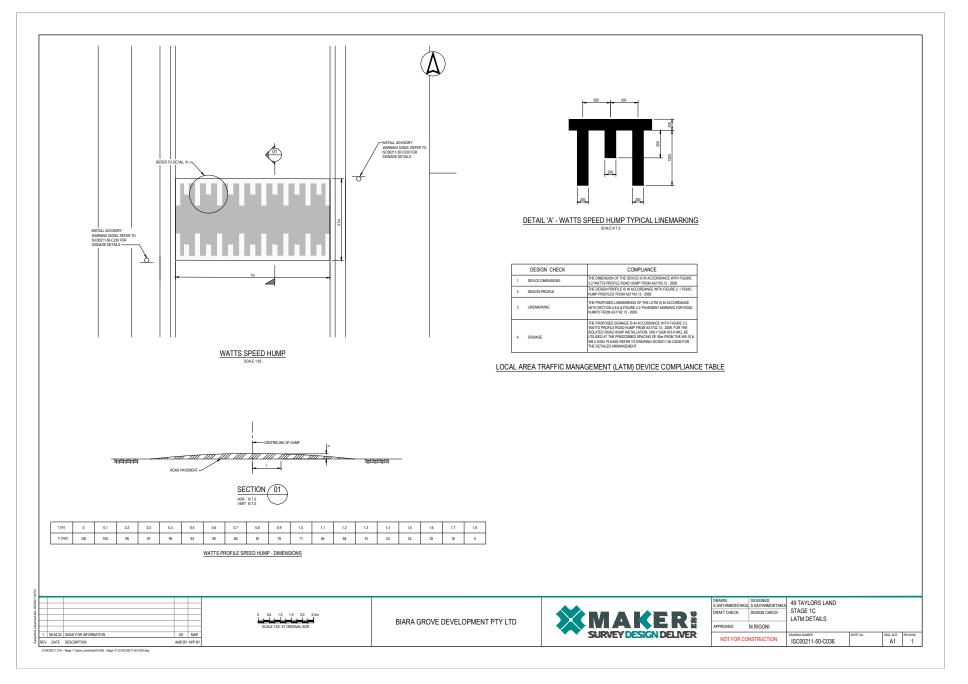
The proposed works are to be funded by the developer in accordance with the development consent. Following this, Council will be responsible for ongoing maintenance after the dedication of roads within the subdivision.





 $\overline{}$





TC22.17 Pedestrian Safety Improvements - Egans Lane Car Park - Nowra (PN 3702)

HPERM Ref: D22/235986

Convenor: David Pieresko

Attachments: 1. PN 3702 Plans J

Recommendation

nave

That:

- 1. The Chief Executive Officer (Director City Services) be advised that the Shoalhaven Traffic Committee has no objection to the proposed pedestrian access improvements, and associated signage and linemarking within the Egans Lane Carpark, Nowra as per Plan No D22/236042.
- 2. The recommendation be approved by the Director City Services under delegated authority from Shoalhaven City Council refer MIN21.411.

Background:

As the committee may be aware, the matter of pedestrian safety and parking efficiency within the Egans Lane Carpark, Nowra was previously raised for technical assessment (*TC22.10 - Proposed Car Park Safety Improvements - Egans Lane Carpark - Nowra (PN 3690)*).

After this initial report, Council had also investigated potential improvements to pedestrian safety towards the northern end of the carpark that was not previously captured as part of the original proposal.

Details of Submission:

The extent of this additional proposal would be the delineation of two pedestrian (zebra) crossings at the northern entry into the Egans Lane Carpark. This would facilitate pedestrian access on the eastern and western sides of the carpark and would align with the previously proposed pedestrian improvements towards the southern end of the carpark.

In addition to this, the existing signposted "No Stopping" zones in the carpark are proposed to be supplemented with C3 yellow linemarking for greater delineation and improved driver awareness.

Consultation:

Council commenced consultation with affected businesses and the Nowra CBD Revitalisation Strategy Committee. To date, Council has received no objections to this proposal.

Risk Implications:

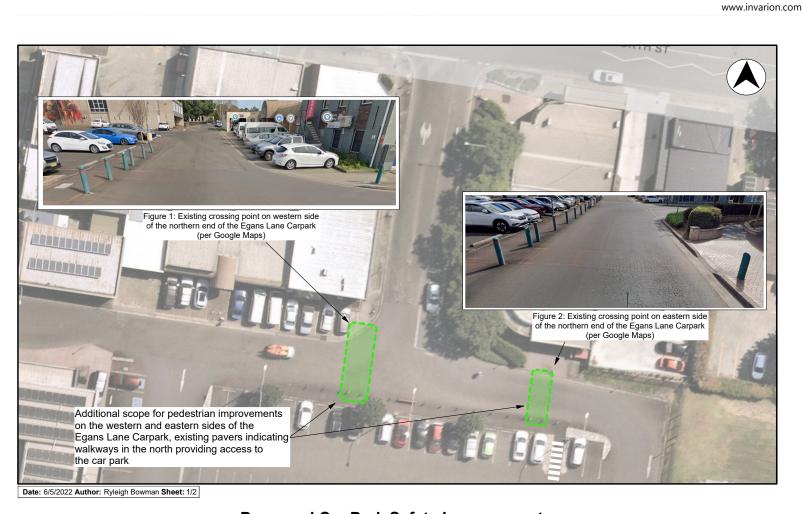
This proposal is expected to improve accessibility and pedestrian safety at the northern end of the carpark, and would effectively synergise with the previously endorsed improvements.



Financial Implications:

The linemarking and signage for this proposal would be funded by Transport for NSW's Block Grant Funding allocated to Council for new signage and linemarking.

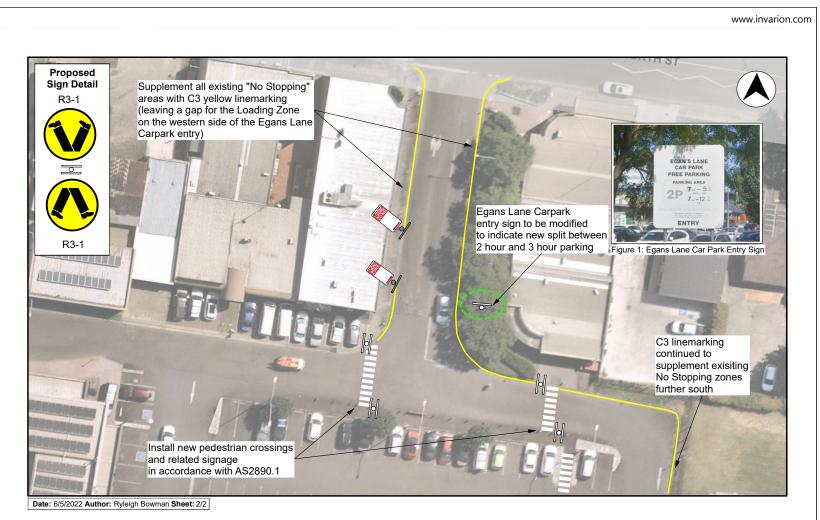




Proposed Car Park Safety Improvements Egans Lane Carpark Nowra

> Shoalhaven Traffic Committee: 14 June 2022 D22/236042





Proposed Car Park Safety Improvements Egans Lane Carpark Nowra



HPERM Ref: D22/236597

Convenor: David Pieresko

Attachments: 1. PN 3703 Plans J

Recommendation

hoalhave

That:

- 1. The Chief Executive Officer (Director City Services) be advised that the Shoalhaven Traffic Committee has no objection to the proposed road safety improvements to the intersection of Quinns Lane and Enterprise Avenue, South Nowra as per Plan No D22/236681.
- 2. The recommendation be approved by the Director City Services under delegated authority from Shoalhaven City Council refer MIN21.411.

Background:

Shoalhaven City Council has received concerns regarding road safety on Quinns Lane and at the intersection of Enterprise Avenue, South Nowra.

Council staff have recently conducted a site inspection at this location, taking note of the existing signage and conditions of the road.

From these investigations, Council is considering potential road safety improvements at this location.

Details of Submission:

This proposal would involve delineating the northern side of Quinns Lane with E1 edge line on either side of the intersection with Enterprise Avenue. The intersection would also be improved through the installation of 'Give Way' intersection controls and associated linemarking and signage. There will be no loss of on-street parking as a result of this proposal.

Consultation:

Council commenced consultation with affected residents and businesses. To date, Council has received three submissions, with one in favour and two against the proposal. Of these submissions, the objections were related to strategic complaints regarding the design and function of Enterprise Avenue rather than the signage and linemarking of the proposal itself. These highlighted the narrow entrance of Enterprise Avenue, the limited room to manoeuvre into and out of the intersection and the existing drainage issues.

Taking this feedback into consideration, Council is proposing that the currently demonstrated road safety improvements be implemented first and that the ongoing function and effectiveness of Enterprise Avenue be monitored as to the need for any further measures or modifications.



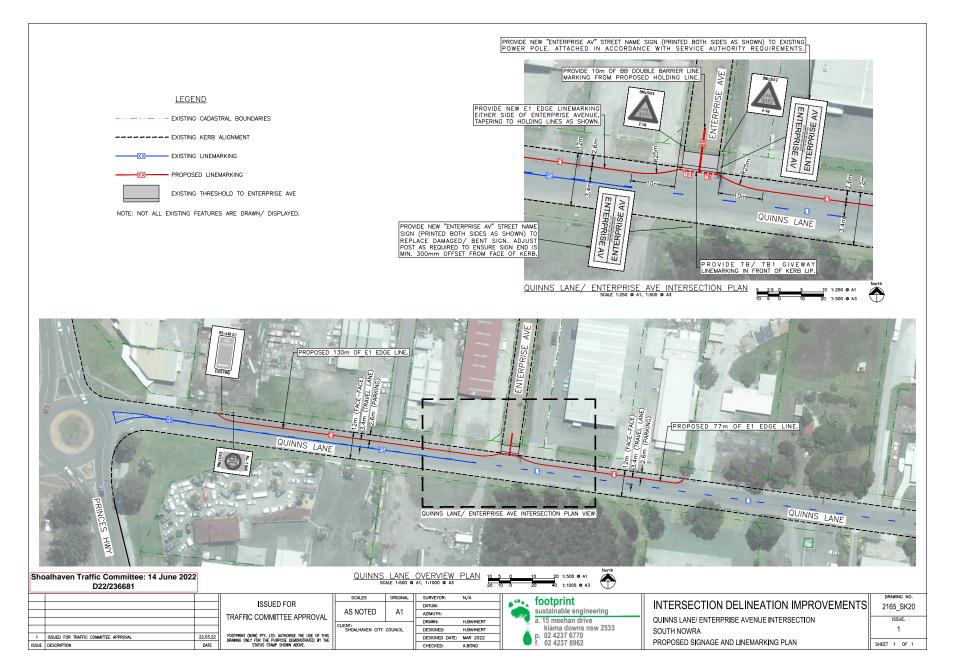
Risk Implications:

This proposal is expected to improve driver awareness and road safety at the intersection of Enterprise Avenue and along Quinns Lane.

Financial Implications:

The linemarking and signage for this proposal would be funded by Transport for NSW's Block Grant Funding allocated to Council for new signage and linemarking.





TC22.19 Proposed Intersection Improvements - Killara Road & Patonga Street - Nowra (PN 3704)

HPERM Ref: D22/237063

Convenor: David Pieresko

Attachments: 1. PN 3704 Plans J

Recommendation

That:

- 1. The Chief Executive Officer (Director City Services) be advised that the Shoalhaven Traffic Committee has no objection to the proposed road safety improvements to the intersection of Killara Road and Patonga Street, Nowra as per Plan No D22/237143.
- 2. The recommendation be approved by the Director City Services under delegated authority from Shoalhaven City Council refer MIN21.411.

Background:

Shoalhaven City Council has received concerns regarding road safety at the intersection of Killara Road and Patonga Street, Nowra.

Council staff have recently conducted a site inspection at this location, taking note of the existing signage and conditions of the road.

From these investigations, Council is considering the installation of potential intersection improvements.

Details of Submission:

This proposal would involve installing 'Give Way' intersection controls at Patonga Street on approach to Killara Road. This would be complemented by relevant signage and linemarking to delineate the intersection controls and to achieve the required lengths of 'No Stopping' as per s170(3) of the NSW Road Rules.

In addition to this, a G9-18 'No Through Road' sign is proposed on the southern side of the intersection (facing westbound vehicles on Killara Road) to improve driver awareness.

Consultation:

Council commenced consultation with affected residents. To date, Council has received two submissions in favour for this proposal. As part of these submissions, it was also asked whether the proposal could consider a speed zone reduction to 40km/h to improve pedestrian safety. Council advised the respondent that this speed zone modification would need to be issued to Transport for NSW for assessment and endorsement.

Risk Implications:

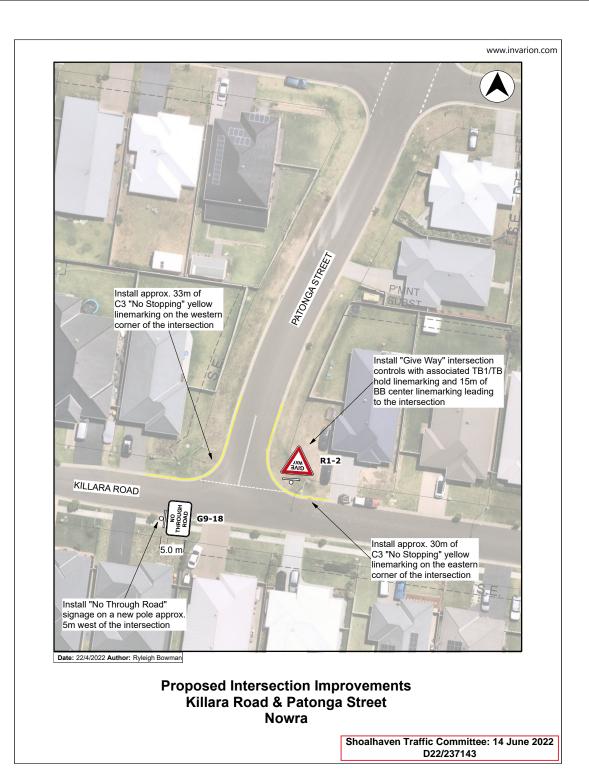
This proposal is expected to improve road safety and driver awareness at the intersection of Killara Road and Patonga Street, Nowra.



Financial Implications:

The linemarking and signage for this proposal would be funded by Transport for NSW's Block Grant Funding allocated to Council for new signage and linemarking.





TC22.20 Proposed Parking Restrictions - Kameruka Crescent - Nowra (PN 3705)

HPERM Ref: D22/237176

Convenor: David Pieresko

Attachments: 1. PN 3705 Plans J

Recommendation

hoalhave

That:

- 1. The Chief Executive Officer (Director City Services) be advised that the Shoalhaven Traffic Committee has no objection to the proposed parking restrictions on Kameruka Crescent, Nowra as per Plan No D22/237220.
- 2. The recommendation be approved by the Director City Services under delegated authority from Shoalhaven City Council refer MIN21.411.

Background:

Shoalhaven City Council has received concerns regarding road safety on Kameruka Crescent, Nowra.

Council staff have recently conducted a site inspection at this location, taking note of the existing signage and conditions of the road.

From these investigations, Council is considering the installation of potential parking restrictions.

Details of Submission:

The extent of this proposal would involve installing approximately 90m of 'No Stopping' restrictions complemented with C3 yellow linemarking on the southern side of Kameruka Crescent, between the intersections of Clipper Road and Antares Close. These parking restrictions would also reinforce the existing lengths of 'No Stopping' for unsignalised intersections, as per s170(3) of the NSW Road Rules.

Consultation:

Council commenced consultation with affected residents. To date, Council has received one submission in favour of the proposal.

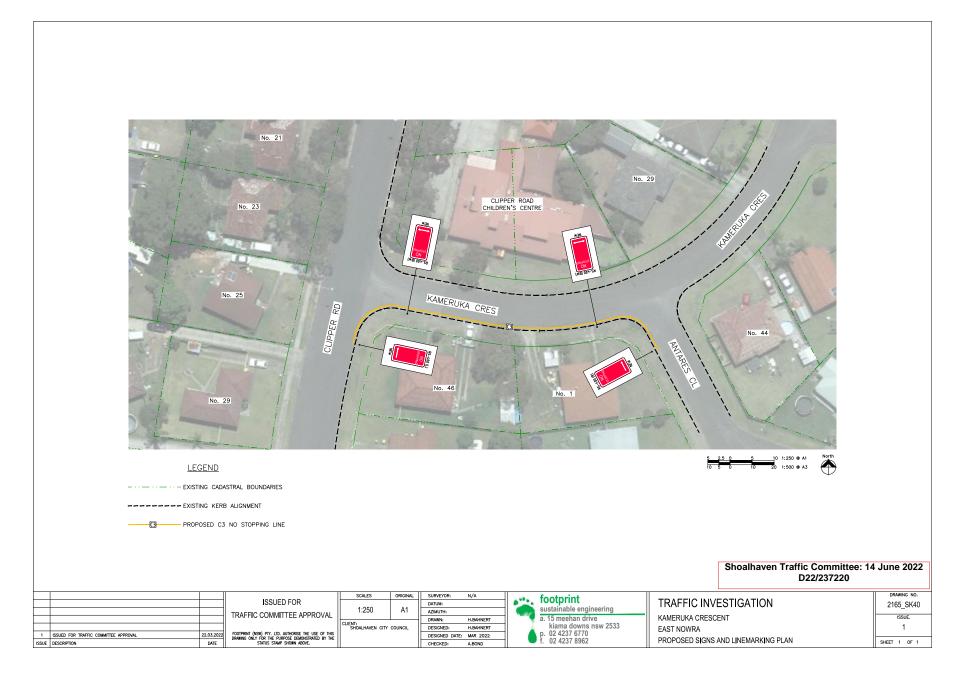
Risk Implications:

This proposal is expected to reduce traffic congestion on this narrow road, and improve road safety and vehicle manoeuvrability.

Financial Implications:

The linemarking and signage for this proposal would be funded by Transport for NSW's Block Grant Funding allocated to Council for new signage and linemarking.





TC22.21 Proposed Parking Restrictions - Camden Street & Croft Avenue - Ulladulla (PN 3699)

HPERM Ref: D22/234040

Convenor: David Pieresko

Attachments: 1. PN 3699 Plans J

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, signage and linemarking along Camden Street and Croft Avenue, Ulladulla as per Plan No D22/234974.
- 2. The recommendation be approved by the Director City Services under delegated authority from Shoalhaven City Council refer MIN21.411

Background:

Shoalhaven City Council has received concerns regarding road safety and traffic congestion on Camden Street and Croft Avenue, Ulladulla.

Council staff have recently conducted a site inspection at this location, taking note of the existing signage and conditions of the road.

From these investigations, Council is considering the installation of parking restrictions and signage and linemarking to improve road safety at this location.

Details of Submission:

The extent of this proposal for Camden Street would involve installing 'No Stopping' parking restrictions along the western side between the intersections of South Street and Deering Street. These parking restrictions will only be active on school days and during the morning and afternoon peak school hours (8:00 - 9:30AM // 2:30 - 4:00PM). Additional intersection improvements to South Street and Deering Street are proposed to reinforce existing road conditions and delineate the required lengths of "No Stopping" as per s170(3) of the NSW Road Rules.

Similarly, on Croft Avenue, it is proposed to install "No Stopping" parking restrictions along the eastern side of the road approximately 175m north of Green Street. These parking restrictions will also be in effect on school days only and between the morning and peak school hours (8:00 - 9:30AM // 2:30 - 4:00PM). Additional intersection improvements to Finch Street and Green Street are proposed to reinforce the required lengths of "No Stopping" as per s170(3) of the NSW Road Rules.



Consultation:

Council commenced consultation with affected residents, schools and the Ulladulla and Districts Community Forum. To date, Council has received four submissions in favour and one against the proposal. Of these submissions, two concerns were raised that have prompted Council to make the following modifications to the proposal:

- Provision of a 4.6m section of C3 "No Stopping" yellow linemarking on Camden Street between the driveways of #144 and #146 to remove the non-compliant parking at this location, and
- The northern extent of the proposed parking restrictions was adjusted on the eastern side of Croft Avenue by 6m (or by approximately 2m north of the driveway to #12 Croft Avenue), to reduce potential conflicts with impacted residential driveways.

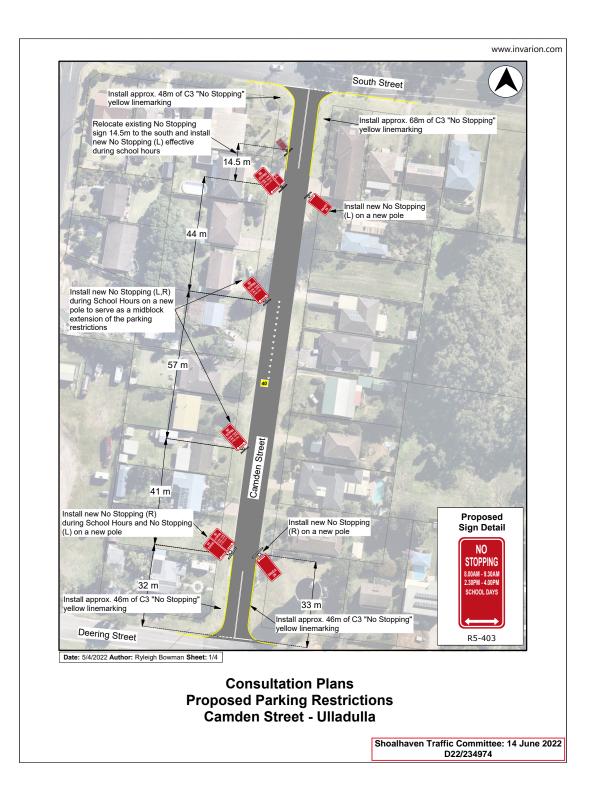
Risk Implications:

This proposal is expected to result in improved road safety and reduced traffic congestion during peak morning and afternoon school periods.

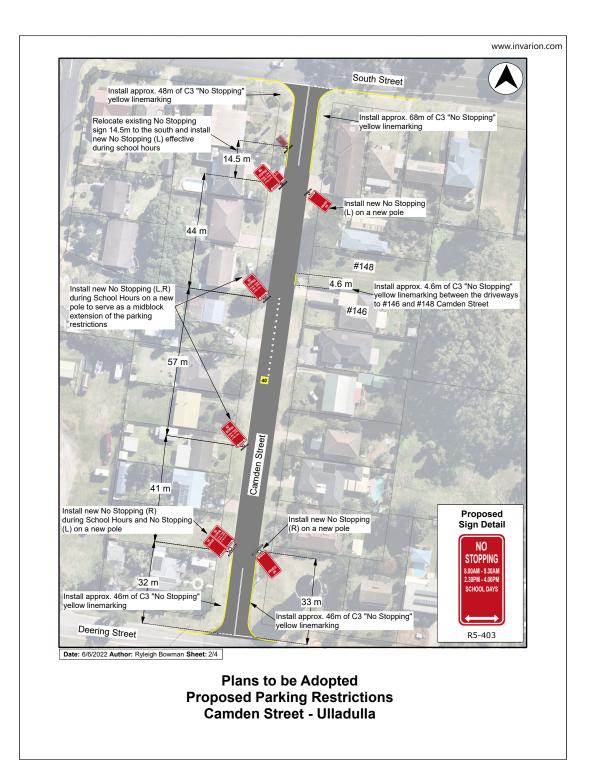
Financial Implications:

The linemarking and signage for this proposal would be funded by Transport for NSW's Block Grant Funding allocated to Council for new signage and linemarking.

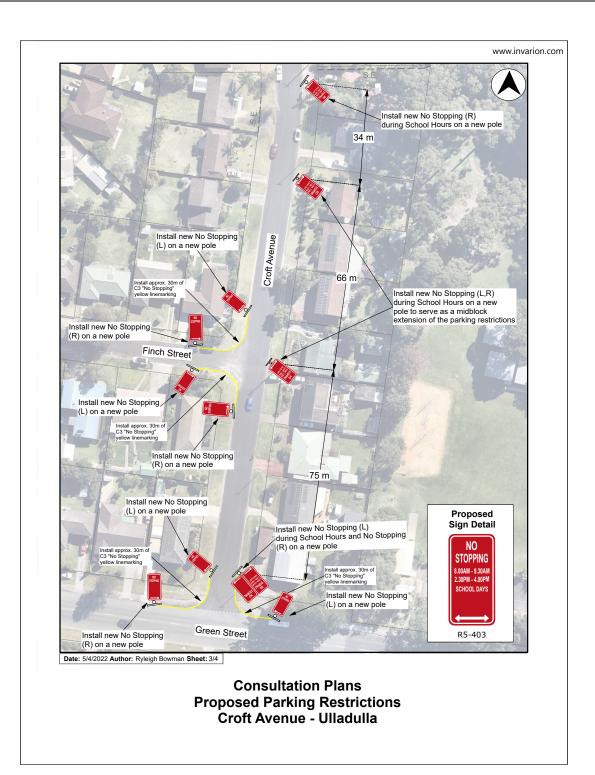




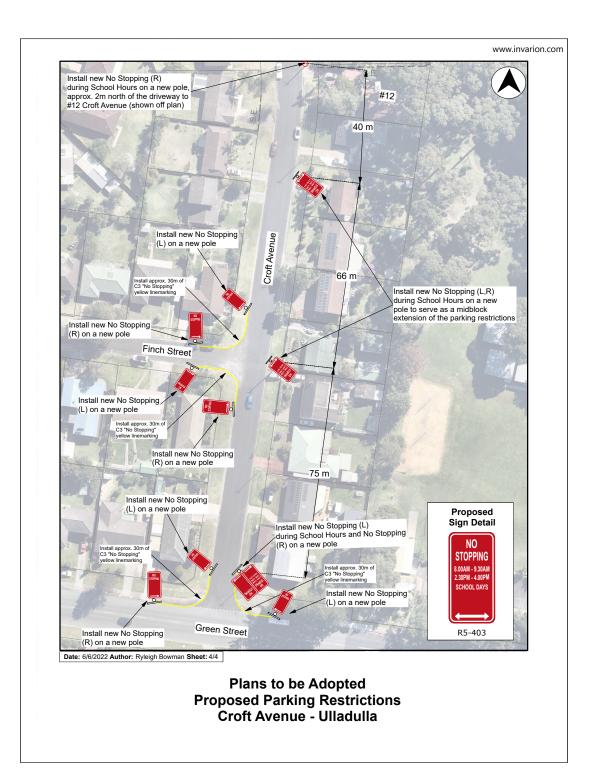














HPERM Ref: D22/235307

Convenor: David Pieresko

Attachments: 1. PN 3700 Plans J

Recommendation

hoalhave

That:

- The Chief Executive Officer (Director City Services) be advised that the Shoalhaven Traffic Committee has no objection to the proposed signage and linemarking along Did-Dell Street and the intersections with South Street and Powell Avenue, Ulladulla as per Plan No D22/235493.
- 2. The recommendation be approved by the Director City Services under delegated authority from Shoalhaven City Council refer MIN21.411.

Background:

Shoalhaven City Council has received concerns regarding road safety along Did-Dell Street and the intersections with South Street and Powell Avenue, Ulladulla.

Council staff have recently conducted a site inspection at this location, taking note of the existing signage and conditions of the road.

From these investigations, it was noted that the intersections of South Street and Powell Avenue had limited sight intersection sight distance (SISD) and minimum gap sight distance (MGSD) (per Austroads Guide to Road Design – Part 4A). As a result of this, Council is considering various road safety improvements at these locations.

Details of Submission:

This proposal would involve installing 'Stop' intersection controls at both South Street and Powell Avenue on approach to Did-Dell Street. This would be complemented by relevant signage and linemarking to delineate the intersection controls. Whilst these intersections fall slightly outside the minimum sight distance warrants for a 'Stop' intersection control (in accordance with Figure 2.2 of AS1742.2), this proposal would assist with improving road safety at these locations where sight distance is limited (as per the aforementioned Austroads design guidelines).

In addition to this, the proposal includes the installation of double barrier "BB" centreline marking along Did-Dell Street, with gaps provided across adjacent intersections. The existing road width along Did-Dell Street is between 9.5m – 10m wide, which would be able to accommodate the proposed centreline marking. This delineation would improve driver awareness and reinforce both northbound and southbound travel lanes for vehicles using Did-Dell Street.



Access to driveways would not be affected by the proposal as residents and visitors are permitted to cross the double barrier centre lines in order to enter and leave driveways (per s134(3-1) of the NSW Road Rules).

Consultation:

Council commenced consultation with affected residents and the Ulladulla and Districts Community Forum. To date, Council has received two submissions against the proposal. Of these submissions, there was mixed support to the intersection controls and the linemarking. Resident responses indicated that the concerns received by Council did not reflect their personal experiences and observations with speeding or safety concerns along these roads. Furthermore, it was suggested that the proposed signage and linemarking would not improve road safety on these roads and that they should remain as is.

Council believes that these measures should be implemented as a means of improving road safety at these locations. Should future investigations or community observations indicate that road safety has not been improved, Council will re-examine this matter at that time.

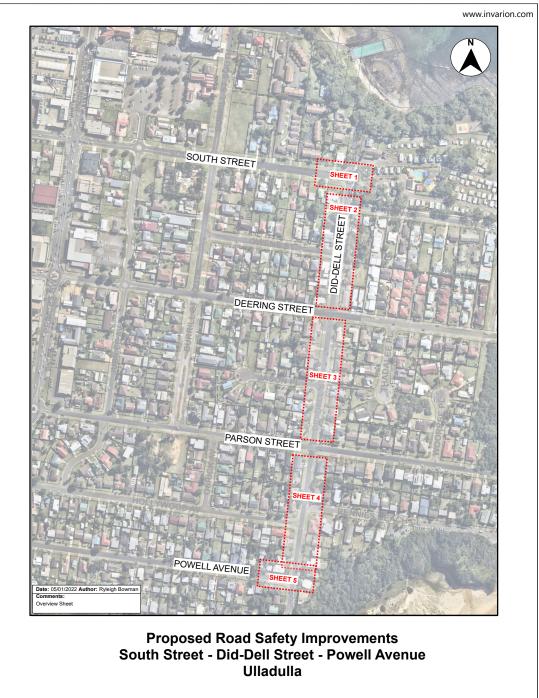
Risk Implications:

This proposal is expected to improve road safety and driver awareness at the identified intersections and along the stretch of Did-Dell Street.

Financial Implications:

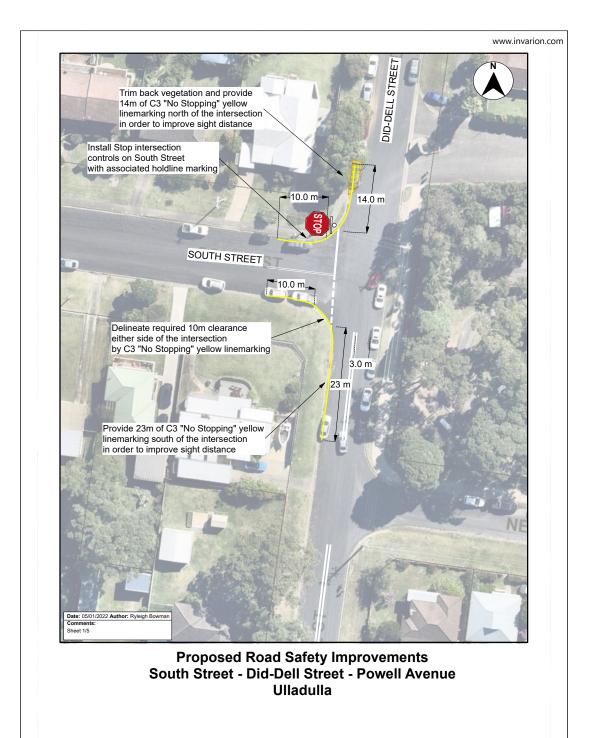
The linemarking and signage for this proposal would be funded by Transport for NSW's Block Grant Funding, allocated to Council for new signage and linemarking.



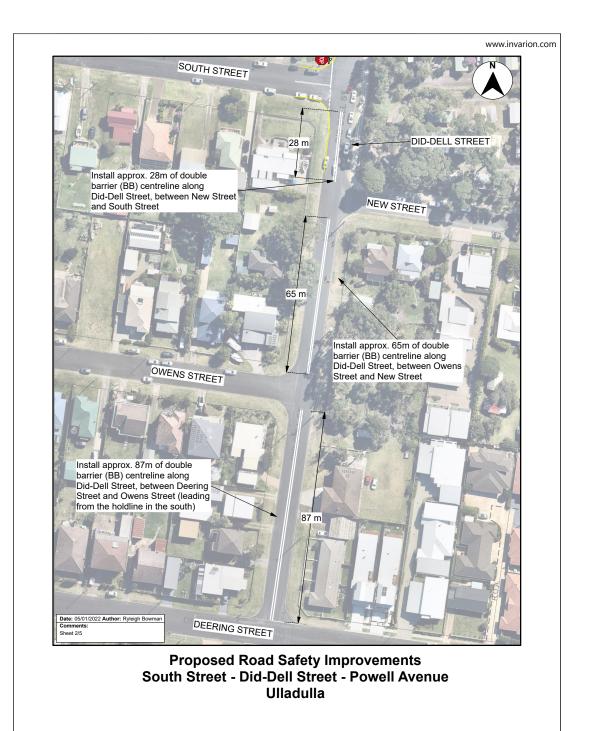


Shoalhaven Traffic Committee: 14 June 2022 D22/235493

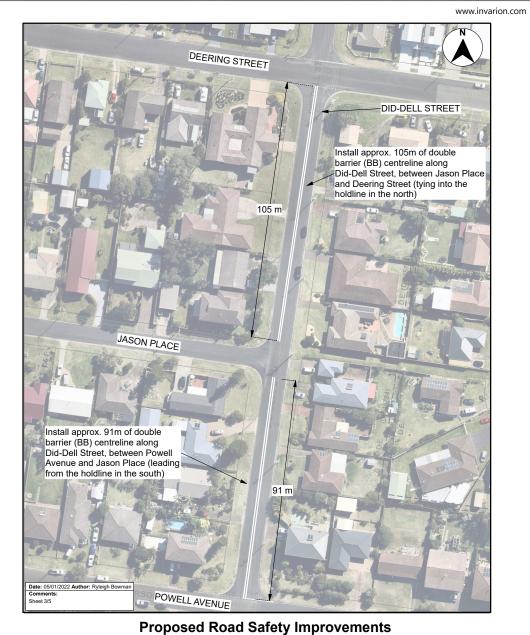






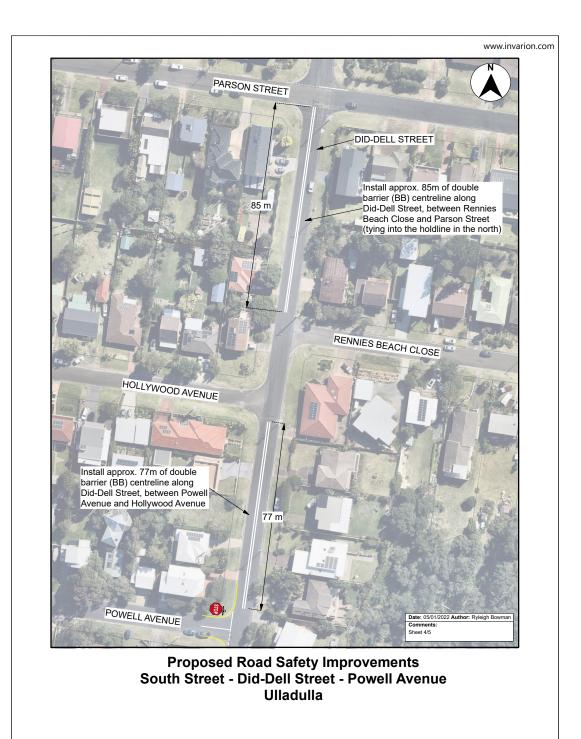




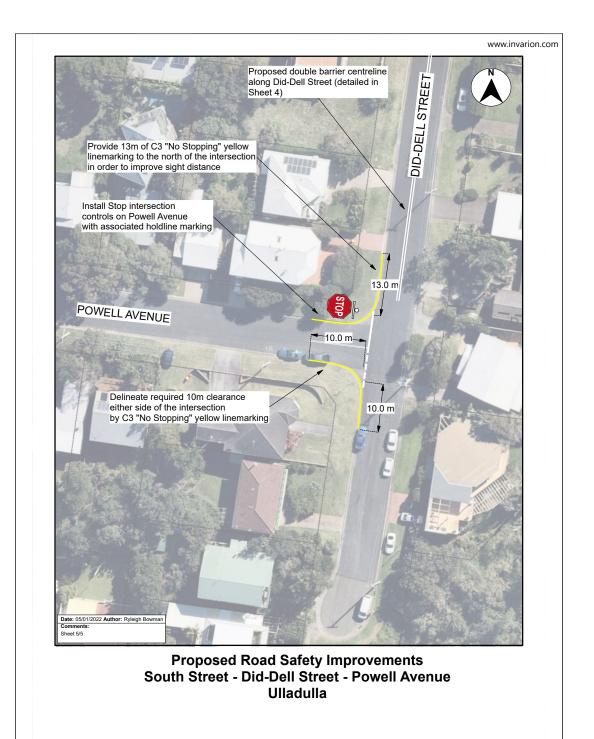


Proposed Road Safety Improvements South Street - Did-Dell Street - Powell Avenue Ulladulla









TC22.23 Proposed Raised Children's Crossing - Thomas Street - Milton (PN 3698)

HPERM Ref: D22/231348

Convenor: David Pieresko

Attachments: 1. PN 3698 Plans J

Recommendation

That:

- 1. The Chief Executive Officer (Director City Services) be advised that the Shoalhaven Traffic Committee has no objection to the proposed raise pedestrian children's crossing at Thomas Street, Milton as per Plan No D22/231357.
- 2. The recommendation be approved by the Director City Services under delegated authority from Shoalhaven City Council refer MIN21.411

Background: Council has received funds for a School Zone Infrastructure project to design and install a Raised Pedestrian Crossing and associated improvements for pedestrian safety on Thomas Street in Milton.

The raised pedestrian crossing is to be an upgrade of the existing Flagged Children's Crossing adjacent to Milton Public School, providing direct access to the main entry gates at the school.

Details of Submission:

The scope of the project is to install a raised threshold pedestrian crossing, including new kerb blisters, associated linemarking and signage.

Consultation:

Council commenced consultation with affected residents, stakeholders and the Milton District Forum to discuss the proposal in May 2022. To date, Council has received three (3) submissions, one (1) supported the proposal and two (2) giving mixed responses, one due to a misunderstanding of the location of the entry/exit to the School and the other concerned about the number of existing signs outside of his residence.

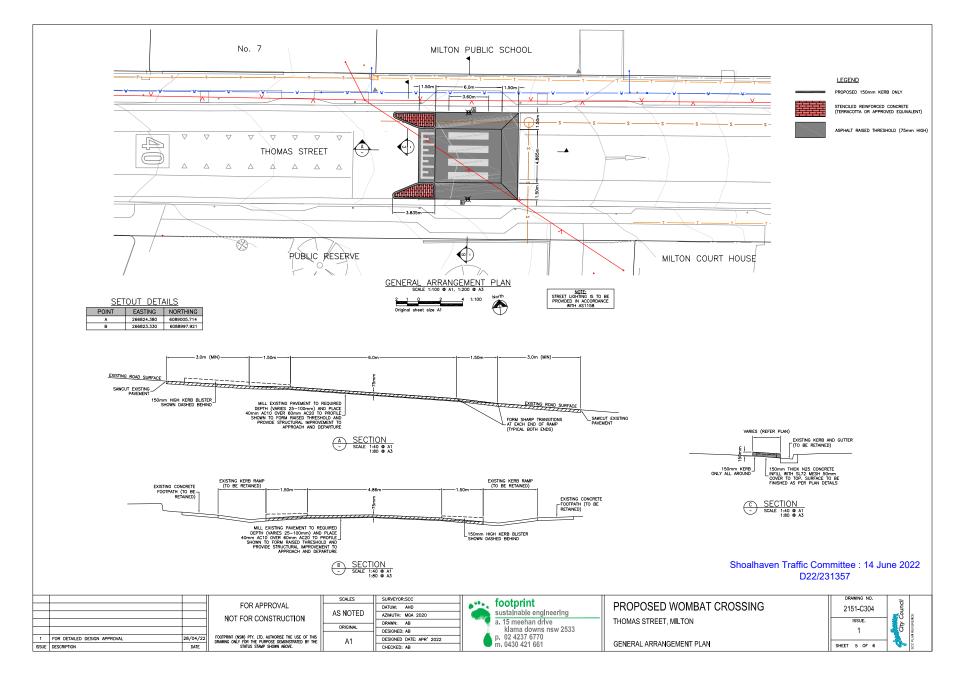
Risk Implications:

The proposal will provide a safer environment for students / pedestrians on their way to and from school, and when walking within school zones.

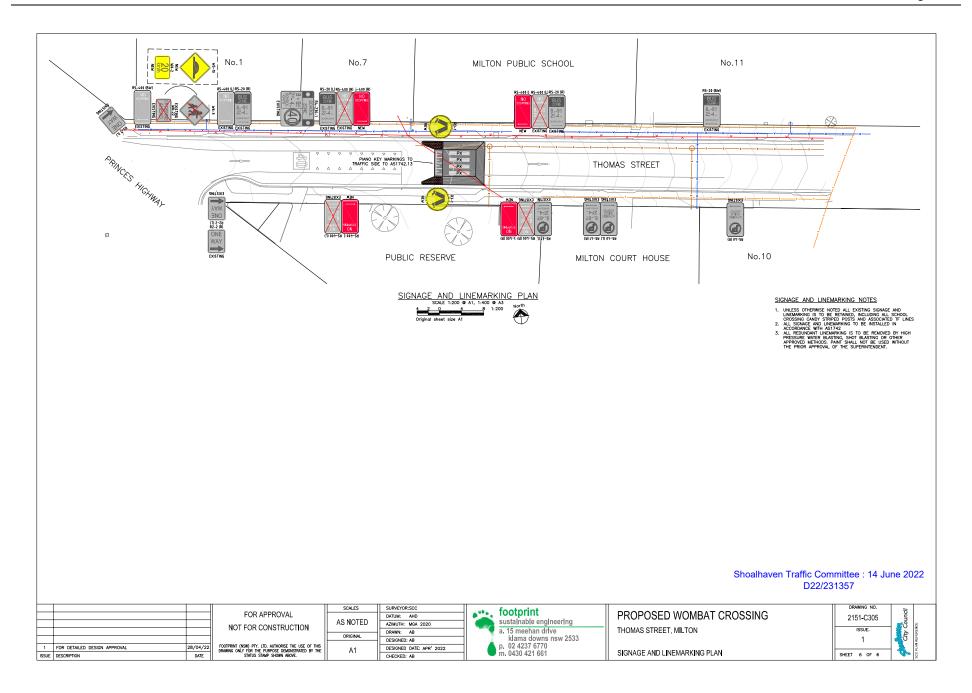
Financial Implications:

These works are to be funded under the School Zone Infrastructure Sub Program, as part of the NSW Federal Road Safety Program.









TC22.24 Proposed Roundabout - Bishop Drive - Combe Drive - Mollymook Beach (PN3697)

HPERM Ref: D22/228990

Convenor: David Pieresko

Attachments: 1. PN 3697 Plans J

Recommendation

hoalhave

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 traffic control facility at Bishop Drive, Mollymook Beach as per Plan No. D22/228999.
- 2. The recommendation be approved by the Director City Services under delegated authority from Shoalhaven City Council refer MIN21.411

Background: Council entered into a Voluntary Planning Agreement (VPA) in 2013 with three (3) separate developers, to ultimately provide the remainder of the Bishop Drive alignment as described under contribution project 05ROAD2001.

Some significant amendments to the plans originally approved under the VPA have been negotiated between the developer's consultants and Council which have largely been in response to the provision of kerb & gutter in lieu of grassed table drains, roundabout intersection design and provision of shared footpaths along the alignment.

The road ultimately provides a connection between the Princes Highway and Matron Porter Drive which will allow a better and safer connection between the highway and residents/visitors of the suburbs of Mollymook Beach, Mollymook and Narrawallee.

Details of Submission:

The project proposes to install a single lane roundabout with 4.5m wide circulating carriageway and inscribed circle of 14.0m radius. It includes double barrier (BB), 'Give Way' (TB) and yellow C3 'No Stopping' linemarking on all four (4) legs, kerb & gutter, splitter islands, footpaths connecting kerb ramps and roundabout signage.

Consultation:

This Development Application has been on Public Exhibition open to comments from the community and affected residents. Council's approval for this part of the subdivision application is dated 22 November 2021.

The VPA and VPA amendment have previously been placed on public exhibition in accordance with Council's policy. The VPA was executed in accordance with a resolution of Council dated 24 September 2013.

Due to the age of the VPA, the results of the consultation are not readily available.



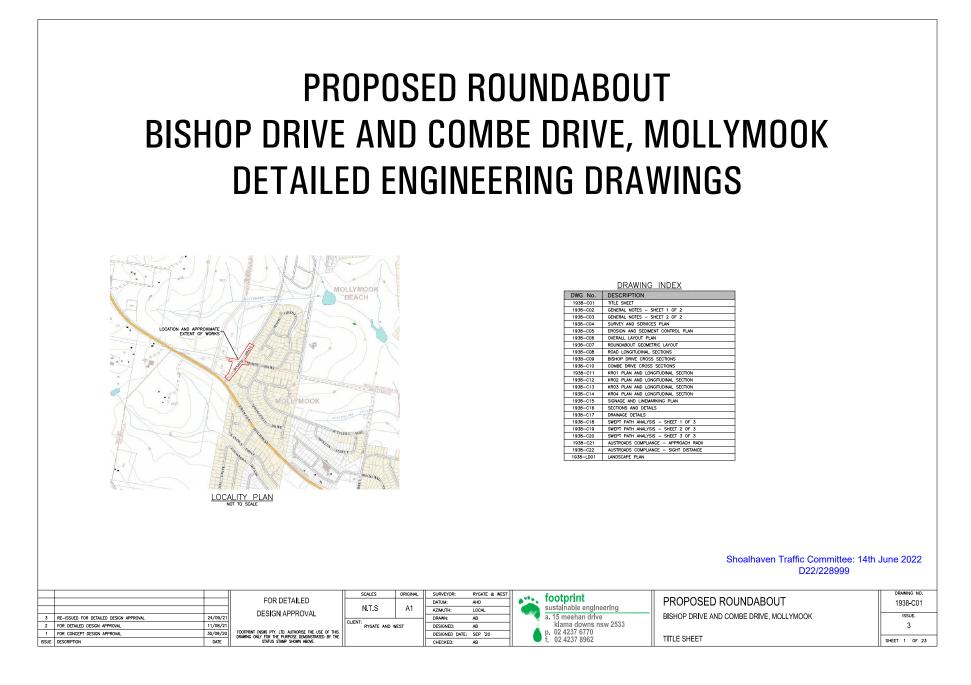
Risk Implications:

The proposed roundabout, and footpath connecting kerb ramps, is expected to improve the safety of pedestrians and road users at this intersection.

Financial Implications:

Works are to be funded by Council in accordance with the VPA. Council will be responsible for ongoing maintenance upon completion of a defect liability period (typically 6-months after the completion of works).







6. CONSTRUCTION TOLERANCES TO BE TO AS3610.

STORMWATER DRAINAGE

PIPEWORK

PROPOSED ROUNDABOUT

GENERAL NOTES - SHEET 1 OF 2

BISHOP DRIVE AND COMBE DRIVE, MOLLYMOOK

VER	

- READ THESE NOTES IN CONJUNCTION WITH OTHER ENGNEERING DRAWINGS AND SPECIFICATIONS, AND WITH SUCH OTHER WITHEN INSTRUCTORING ISSUED. BREET TO CALL DRAWINGS FOR SETTING OUT AND DETAILED DIMENSIONS. IN CASE OF DISCREPANCY, PRECEDENCE IS GIVEN TO DRAWINGS, THEN NOTES, THEN SPECIFICATION.
- CARRY OUT WORK IN A SAFE MANNER IN ACCORDANCE WITH APPLICABLE STATUTORY REQULATIONS, BY-LAWS OR RULES. CONTRACTOR IS RESPONSIBLE FOR OCCUPATIONAL HE AND SAFETY OF SITE PERSONNEL AND GENERAL PUBLIC IN ACCORDINCE WITH LEGISLATIVE REQUIREMENTS, INDUSTRIAL AGREEMENTS AND ACCEPTED INDUSTRY PRACTICE. HEALTH
- 3. REFER DISCREPANCIES TO SUPERINTENDENT BEFORE PROCEEDING WITH WORK.
- SUBMIT DETAILS OF CHANGES TO SCOPE, WORK METHODS OR MATERIALS ETC FOR APPROVAL BEFORE PROCEEDING. APPROVAL DOES NOT AUTHORISE A VARIATION TO THE CONTRACT.
- 5. NOMINATION OF PROPRIETARY ITEMS DOES NOT INDICATE EXCLUSIVE PREFERENCE, BUT INDICATES REQUIRED PROPERTIES OF THE ITEM. SIMILAR ALTERNATIVES HAVING THE REQUIRED PROPERTIES WAS BE OFFERED FOR APPROVAL DOES NOT AUTHORISE AVARITION TO THE CONTRACT. INSTALL PROPRETARY ITEMS IN ACCORDANCE WITH MANUFACTURERS REQUIRED/EXT AND RECOMMENDATIONS.
- OBTAIN NECESSARY PERMITS AND APPROVAL FROM RELEVANT AUTHORITIES BEFORE COMMENCING WORK ON SITE
- 7. NOTIFY RELEVANT SERVICE AUTHORITIES BEFORE COMMENCING WORK ON SITE.
- GIVE TWO WORKING DAYS (48 HOURS) NOTICE SO THAT INSPECTION MAY BE MADE OF CRITICAL STAGES OF WORK.
- INSPECTIONS UNDERTAKEN BY SUPERINTENDENT/OTHERS DOES NOT RELIEVE CONTRACTOR OF RESPONSIBILITY FOR COMPLIANCE WITH DRAWING AND SPECIFICATIONS.
- 10 DO NOT OBTAIN DIMENSIONS BY SCALING FROM DRAWING
- 11. DIMENSIONS ARE IN METRES, LEVELS ARE IN METRES UNO, CHAINAGE ARE IN METRES UNO.
- 12. HAVE SURVEY AND SETTING OUT UNDERTAKEN BY A REGISTERED SURVEYOR.
- 13. TAKE CARE OF HAZARDS ASSOCIATED WITH BURIED, CONCEALED OR OVERHEAD SERVICES. TAKE PRECAUTIONS TO ESTABLISH LOCATION OF AND PROTECT EXISTING SERVICES AT THE SITE. SERVICES SHOWN ON D RAWING ARE IN APPROXIMITE LOCATIONS ONLY. SERVICES OTHER THAN THOSE SHOWN MAY EXIST ON SITE. MARK LOCATIONS OF SERVICES CLEARLY ON SITE, AND ON AS-BULT DRIVINGS. HAND EXAMINE THIN TO RETHE OF IN-DOUND SERVICES.
- 14. WORKMANSHIP AND MATERIALS TO COMPLY WITH REQUIREMENTS OF SAA CODES, BUILDING CODE OF AUSTRALIA AND BY-LAWS AND ORDINANCES OF RELEVANT BUILDING AUTHORTIES. ALL CODES REFERERE TO ARE THOSE CURRENT (AS AMENDED) AT COMMENCEMENT OF CONTRACT.
- 15. MAINTAIN STRUCTURE IN A STABLE CONDITION DURING CONSTRUCTION AND PROVIDE TEMPORARY . WMMINH JITUUIUTE III A JABALE CONDITION UUMING CONSTRUCTION AND PROVIDE TEMPORAS BRANICH AND/OR SUPPORT AS REQUIRED. PROVUES SPREADERS AT LADAS NAU/OR UFTING POINTS WHERE REQUIRED. ENSURE NO PART IS OVERSTRESSED. DO NOT PLACE OR STORE BULIDING MATERIALS ON STRUCTURE, MAMBERS WITHOUTS SUPERIMENDENTS APPROVA. PROVIDE CALCULATIONS TO PROVE ADEQUACY OF STRUCTURE FOR PROPOSED CONSTRUCTION METHOD AND LADAS.
- UNLESS NOTED OTHERWISE THESE DRAWING DO NOT DETAIL TEMPORARY WORKS. CONSTRUCTION METHODS AND TEMPORARY WORK ARE RESPONSIBILITY OF THE CONTRACTOR.
- 17. DISPOSE OF SURPLUS MATERIAL OFF SITE AT APPROVED LOCATION. IMPLEMENT SOIL AND WATER MANAGEMENT PROCEDURES TO AVOID EROSION, CONTAMINATION AND SEDMENTATION OF SITE, SURROUNDING AREAS AND DRAINAGE SYSTEMS IN ACCORDANCE WITH MANAGING URBAN STORMWATER/SOILS AND CONSTRUCTION.
- 19. ORTAIN REQUIREMENTS FOR ADJOINNO ELEMENTS TO BE FIXED TO OR SUPPORTED ON WORK MOP FROWDE FOR REQUIRED FORMOS DEWINGS DO NOT SHOW DETALS OF ALL FATURES, INSERTS, SLEEVES, RECESSES OR OPENINGS FITO REQUIRED, PROVIDE FOR TEMPORARY SUPPORT OF ADJOINNE ELEMENTS DURING CONSTRUCTION.
- 20. MAKE GOOD ANY DAMAGE TO EXISTING ELEMENTS PRIOR TO COMPLETION OF WORKS.
- 21 WHERE NEW WORK ARITS EXISTING REQUIRE SMOOTH TRANSITION EREE OF ARRIVES
- 22. HAVE TESTING PERFORMED BY AN INDEPENDENT NATA (NATIONAL ASSOCIATION OF TESTING AUTHORITIES) ACCREDITED AUTHORITY AND PROVIDE TEST REPORTS TO SUPERINTENDENT.
- 23. SEPARATE METALS FROM INCOMPATIBLE MATERIALS (I.E. GALVANISED AND UNGALVANISED STEEL TREATED TIMBER AND STEEL ETC) BY CONCEALED LYTERS OF SUITABLE INERT MATERIALS OF SUITABLE THICKNESS. USE PLASTIC SLEVEYS AND WASHERS FOR BOLTS ETC.
- 24. BUILD FABRICATE AND PROCURE ONLY FROM DRAWING 'ISSUED FOR CONSTRUCTION'
- 25. KEEP ON SITE A COMPLETE SET OF CONTRACT DOCUMENTS (INCLUDING DRAWINGS AND SPECIFICATIONS) AND SITE INSTRUCTIONS.

SITE MANAGEMENT:

3 RE-ISSUED FOR DETAILED DESIGN APPROVAL

2 FOR DETAILED DESIGN APPROVAL

1 FOR CONCEPT DESIGN APPROVA

ISSUE DESCRIPTION

- PROVIDE BARRIERS AROUND ALL CONSTRUCTION WORKS WITHIN THE PUBLIC DOMAIN TO PROVIDE SAFE ACCESS FOR PEDESTRIANS.
- 2. CONCRETE PUMPS AND CRANES ARE TO OPERATE FROM WITHIN THE DESIGNATED WORK AREA AND ARE NOT TO OPERATE FROM THE PUBLIC ROADWAY UNLESS SPECIFIC COUNCIL PERMISSION
- 3. DELIVERY VEHICLES MUST NOT STAND WITHIN THE PUBLIC ROADWAY FOR MORE THAN 20 MINUTES AT A TIME
- TOILET FACILITIES MUST BE EITHER FLUSHING TYPE OR APPROVED PORTABLE CHEMICAL CLOSET. CHEMICAL CLOSETS ARE TO BE MAINTAINED AND SERVICES ON A REGULAR BASIS SO THAT OFFENSIVE ODOUR IS NOT EMITTED.
- TRAFFIC MANAGEMENT MEASURES ARE REQUIRED TO BE IMPLEMENTED AND MAINTAINED DURING CONSTRUCTION IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE RMS TRAFFIC CONTROL AT WORKSITES MANUAL AND AS1742, MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
- PEDESTRIAN CONTROL MEASURES ARE REQUIRED TO BE IMPLEMENTED AND MAINTAINED DURING CONSTRUCTION IN ACCORDANCE WITH AS1742, MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

- ENVIRONMENTAL SITE MANAGEMENT:
- IMPLEMENT SOIL AND WATER MANAGEMENT PROCEDURES TO AVOID EROSION, CONTAMINATION AND SEDMENTATION OF SITE, SURROUNDING AREAS AND DRAINAGE SYSTEMS IN ACCORDANCE WITH MANAGING URBAN STORMARTERSOILS AND CONSTRUCTION (THE BLUE BOOK). REFER TO THE BLUE BOOK FOR STANDARD DRAWING "SD" REFERENCED IN THESE NOTES.
- SEDIMENT AND EROSION CONTROLS MUST BE IN PLACE PRIOR TO THE COMMENCEMENT OF ANY EARTHWORKS OR DEMOLITION ACTIVITY. THE LOCATION OF SUCH DEVICES IS INDICATIVE ONLY AND FINAL POSITION SHOULD BE DETERMINED ON-SITE.
- 3. TI & THE REPORTEDITY OF THE CONTRACTOR TO DESIDE THAT ALL MESSINGS ARE TAKEN DURING THE COURSE OF CONSTRUCTION TO REPORT SEMILAR TESSINGAN TESSINGAN TO ALL TAKEN THE DOWNSTREAM SYSTEM SUPERIMETEDENT SHOLD BE CONTACTED F IN DURIT. ALL SEDURET CONTROL STRUCTURES TO BE INSECTED ATTRE LACH RANKLE, DEVET FOR STRUCTURAL DAMAGE AND ALL TRAPEDS SEDURENT TO BE REDAVED TO A NOMINATED STE. A SEDURET CONCENT STOLED DOWNSLOPE OF ALL STOCAPILES.
- RETAIN ALL EXISTING GRASS COVER WHEREVER POSSIBLE. TOPSOIL FROM ALL AREAS THAT WILL BE DISTURBED ARE TO BE STRIPPED AND STOCKPILED AT THE NOMINATED SITE.
- AREAS OR SITE REGRADING ARE TO BE COMPLETED PROGRESSIVELY DURING THE WORKS AND STABILISED AS EARLY AS POSSIBLE. THE SUPERINTENDENT MAY DIRECT THE CONTRACTOR TO HAVE DISTURBED AREAS COMPLETED AND STABILISED DURING THE COURSE OF THE WORKS. NOTIMITISTANDING ALL DISTURBED AREAS ARE TO BE SEEDED AND FERTILISED WITHIN 14 DAYS OF EXPOSIDE.
- ALL EXISTING TREES TO BE RETAINED UNLESS SHOWN OTHERWISE ON APPROVED DRAWINGS. TREES RETAINED ARE TO BE PROTECTED WITH A HIGH VISIBILITY FENCE, PLUS FLAGGING TO INDIVIDUAL TREES AS NECESSARY.
- INSTALL TEMPORARY SEDIMENT BARRIERS TO ALL INLET PITS LIKELY TO COLLECT SILT LADEN WATER UNTIL SURROUNDING AREAS ARE PAVED OR REVEGETATED, GRAVEL OR GEOTEXTILE INTEL FILTERS TO BE IN ACCORDANCE WITH STRADARD DRAWING SD6-11 AND SD6-12.
- ALL SILT FENCES AND BARRIERS ARE TO BE MAINTAINED IN GOOD ORDER AND REGULARLY DESILTED DURING THE CONSTRUCTION PERIOD. SILT FENCES TO STANDARD DRAWINGS SD6-B OR SD6-9.
- STOCKPILES OF LOOSE MATERIALS SUCH A SAND, SOIL AND GRAVEL MUST BE COVERED WITH GEOTEXTILE. PLASTIC SHEETING OR MEMBRANE MUST NOT BE USED. SAFETY BARRICADUS SHOULD BE USED TO ISOLATE STOCKPILES OF SOULD MATERIALS SUCH AS STEEL REINFORCING.
- 10. WASTE MATERIALS ARE TO BE STOCKPILED OR LOADED INTO SKIP BINS LOCATED ON SITE AS SHOWN ON PLAN OR IF NOT SHOWN AT A LOCATION APPROVED BY THE SUPERINTENDENT.
- 11. NO MORE THAN 150m OF TRENCHING IS TO BE OPEN AT ANY ONE TIME. IMMEDIATELY AFTER TRENCH BACKFILLING, PROVIDE SANDBAGS OR SAUSAGE FILTERS ACROSS EACH TRENCH AT MAXIMUM ZOM INTERVALS. FILTERS TO REMAIN IN PLACE UNTIL REVEGETATION HAS OCCURRED.
- 12. ALL VEHICLES LEAVING THE SITE MUST PASS OVER A STABILISED SITE ACCESS BALLAST AREA (SMILUR TO STANDARD DRAWING SDE-14) TO SHAKE OFF SITE CLAY AND SOLL IF NECESSARY WHEELS AND AXLES ARE TO BE HOSED DOWN. BALLAST IS TO BE MAINTAINED AND REPLACED AS NECESSARY DURING THE CONSTRUCTION FERIOD.
- 13. THE HEAD CONTRACTOR IS TO INFORM ALL SITE STAFF AND SUB-CONTRACTORS OR THEIR OBLIGATIONS UNDER THE EROSION AND SEDIMENT CONTROL PLAN.
- ANY SEDIMENT DEPOSITED ON THE PUBLIC WAY, INCLUDING FOOTPATH RESERVE AND ROAD SURFACE IS TO BE REMOVED IMMEDIATELY.
- TRUCKS REMOVING EXCAVATED/DEMOLISHED MATERIAL SHOULD TRAVEL ON STABILISED CONSTRUCTION PATHS. MATERIAL ARE TO BE TAKEN TO THE TRUCKS TO REDUCE TRUCK MOVEMENTS ON-STRE. TRUCKS TO BE LIMITED TO SINGLE UNIT HEAVY RIGID VEHICLES (NO SEMI-TRAILERS).
- DURING TRENCH EXCAVATION ALL SPOIL SHALL BE MOUNDED ON THE UPHILL SIDE OF TRENCHES AND PLACEMENT IS TO COMPLY WITH THE SUPERINTENDENTS REQUIREMENT.
- 17. DIVERSION BANKS SHOULD BE CONSTRUCTED BY MOUNDING STRIPPED TOPSOIL (MIN HEIGHT 600mm) WHERE DIRECTED. MATERIAL TO BE RESPREAD ON FOOTWAYS AFTER FINAL TRIMMING.
- UNDISTURBED BUFFER ZONE AREAS ARE TO BE CLOSED TO ALL TRAFFIC MOVEMENTS UNLESS OTHERWISE APPROVED BY THE SUPERINTENDENT.

FARTHWORKS

FOR DETAILED

DESIGN APPROVAL

FOOTPRINT (NSW) PTY. LTD. AUTHORISE THE USE OF THIS DRAWING ONLY FOR THE PURPOSE DEMONSTRATED BY THE STATUS STAMP SHOWN ABOVE.

24/09/2

11/08/2

30/09/20

DATE

- EARTHWORKS ARE TO BE CARRIED OUT IN ACCORDANCE WITH THE DRAWINGS AND ANY GEOTECHNICAL ENGINEERS RECOMMENDATIONS. THE DESIGN AS DETAILED ON THESE DRAWINGS ASSUMES A PROPERLY PREPARED UNIFORM AND STABLE SUBGRADE.
- 2. THE DRAWINGS SHOULD BE READ IN CONJUNCTION WITH ANY GEOTECHNICAL REPORT PREPARED FOR THE WORKS.
- STRIP OFF ALL VEGETATION, RUBBISH AND TOPSOIL CONTAINING ORGANIC OR ROOT MATTER FROM THE AREA OF THE WORKS AND REMOVE FROM SITE/STOCKPILE FOR RE-USE.
- PRIOR TO ANY FILLING, THE EXPOSED SUBGRADE SHALL BE PROOF ROLLED WITH A MINIMUM OF 10 PASSES OF A 5 TONNE (MIN) DEAD WEICHT VIBRATING ROLLER IN THE PRESENCE OF THE SUPERINTENDENT OR GEOTECHNICAL ENGINEER AND ANY SOFT OR YIELDING MATERIALS REMOVED AND REPLACED WITH APPROVED FILLING COMPACED AS HEREAFER SPECIFIED.
- FILL SHALL BE SOUND WELL GRADED MATERIAL WITH A HIGH GRANULAR CONTENT AND SHALL BE THE BEST OF EXCANATED MATERIALS FROM THE SITE, OR APPROVED SOUND IMPORTED MATERIAL FREE OF RUBBINH, PLASTIC CLAY OR LARCE PIECES THAT WOULD PRECLUDE
- 6. FILL SMALL BE SPREAD IN LAYERS NOT EXCEEDING 200mm AND COMPACTED USING SUITABLE MECHANICAL EQUIPMENT AT OPHILAU MOSTITURE CONTENT 42 x TO NOT LESS THAN 98% STANDARD MAXIMUM DRY DENSITY (SMOD) IN ACCORDANCE WITH ASI289 E11 UNLESS OTHERWISE NOTED OR INSTRUCTED BY THE COETECHINGLE HEADINE.
- DENSITY TESTING OF FILLING SHALL BE CARRIED OUT AT THE RATE NOMINATED BY THE GEOTECHNICAL ENGINEER AND SHALL BE UNDERTAKEN BY BY A NATA REGISTERED LABORATORY, ALL TESTING WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- SUBJECT OF THE CONTRACTOR. 8. THE CONTRACTOR SHALL PROCEED AND UNDERSTAFE THE EXPRESS OFFENTIONS SUCH THAT WORKING AREAS ARE ADEQUATELY DRAINED DURING CONSTRUCTION. THE SURFACE SHALL BE GRADED AND SALED OF TO REALVOR DEPRESSIONS WHICH WOULD ALLOW WATER TO FOID AND FEMETIME THE UNDERLINE ANTERNAL INFO DANCE RESULTING FROM TO FOID AND FEMETIME. THE UNDERLINE ANTERNAL INFO DANCE RESULTING FROM TO FOID AND FEMETIME. THE UNDERLINE ANTERNAL INFO DANCE RESULTING FROM DEPRESS.

SCALES

RYGATE AND WEST

CLIENT:

ORIGINAL

A1

SURVEYOR:

DATUM

AZIMUTH:

DESIGNED:

CHECKED:

DRAWN

RYGATE & WEST

AHD

OCAL

AB

AB

DESIGNED DATE: SEP '20

- CONCRETE
- ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS 3600 AND AS 3610 CURRENT EDITIONS WITH AMENDMENTS, EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS
- 2 ALL CEMENT TO BE TYPE OF GENERAL PURPOSE CEMENT IN ACCORDANCE WITH AS3972
- 3. PROJECT CONTROL TESTING SHALL BE CARRIED OUT IN ACCORDANCE WITH AS 3600 DETAILS OF THE PROPOSED MIX ARE TO BE SUBMITTED & APPROVAL OBTAINED PRIOR TO POURING ANY CONCRETE.
- 5. NO ADMIXTURES SHALL BE USED IN CONCRETE UNLESS APPROVED IN WRITING.
- MINIMUM CLEAR COVER TO ALL REINFORCEMENT SHALL BE AS FOLLOWS UNLESS SHOWN OTHERWISE:

ELEM	ENT	STRENGTH GRADE (MPa)	SLUMP (mm)	MAX AGGREG. SIZE (mm)	CAST AGAINST GROUND (mm)	CAST IN FORMS AND NOT EXPOSED (mm)	CAST IN FORMS AND EXPOSED (mm)	
ROUND		40	80	20	50	50	50	
SPLIT		20	80	20	50	50	50	
PIT	s	20	80	20	50	50	50	

- CONCRETE SIZES/DIMENSIONS SHOWN DO NOT INCLUDE THE THICKNESS OF ANY APPLIED FINISHES. NO FINISH THAT DECREASES COVER IS PERMITTED WITHOUT THE WRITTEN APPROVAL OF THE SUPERINTENDERER.
- 8 MAINTAIN COVER TO REINFORCEMENT AT CHAMFERS DRIP GROOVED REGISTS FTC
- NO HOLES, CHASES, BLOCKOUT, DUCTS OR EMBEDMENT OF PIPES OTHER THAN THOSE SHOWN ON THE DRAWINGS SHALL BE MADE IN CONCRETE MEMBERS WITHOUT THE PRIOR WRITTEN APPROVAL OF THE SUPPENITENDERTY REGNERER.
- 10. CONSTRUCTION JOINTS WHERE NOT SHOWN SHALL BE LOCATED TO THE APPROVAL OF THE
- 11. ALL CONCRETE MEMBERS SHALL BE MECHANICALLY VIBRATED TO ACHIEVE A DENSE HOMOGENEOUS MASS, COMPLETELY FILLING THE FORMWORK AND THOROUGHLY EMBEDDING THE REINFORCEMENT AND FREE OF STONE POCKETS.
- 12. CURING OF ALL CONCRETE IS TO BE ACHIEVED BE KEEPING SURFACES CONTINUOUSLY WET FOR A PERIOD OF THREE DAYS, AND THE PREVENTION OF LOSS OF MOISTURE FOR A TOTAL OF 7 DAYS FOLLOWED BY A GRADUAL DRYING OUT.
- CONSTRUCTION SUPPORT PROPPING IS TO BE LEFT IN PLACE WHERE NEEDED TO AVOID OVERSTRESSING THE STRUCTURE DUE TO CONSTRUCTION LOADING.
- 14. ALL CONCRETE SHALL BE PLACED IN SUCH A MANNER SO AS TO AVOID SEGREGATION OR LOSS OF MATERIALS.
- UNDER NO CIRCUMSTANCES SHALL EXCESS CONCRETE BE DISPOSED OF ON-SITE. ALL EXCESS CONCRETE MUST BE CARTED FROM SITE AND DISPOSED OF IN AN APPROPRIATE MANNER.
- 16. WATER USED FOR FLUSHING CHUTES AND FOR CLEANING OF CONCRETE TRUCKS AND EQUIPMENT MUST BE DISCHARGED IN AN AREA DESIGNATED FOR THAT PURPOSE AND WHICH HAS EROSION AND SEDIMENT CONTROL MEASURES IN PLACE.

REINFORCEMENT:

- PENFORCEMENT SYMBOLS: R DEWISTS GRUE 230 P HMOL SHAM WARE REINFORCIGN SPREAT A ST302 R DEWISTS GRUE 230 P HMOL SHAM WARE REINFORCIGN SPREAT A ST303 W DEWISTS GRUE 430 W HMOL DEWIN WARE REINFORCIGN SPREAT A ST303 N DEWISTS DEFORMED BAR NORMAL DUCTILITY TO X5/X25 4471 GRUE DS001 RN DEWISTS RECTANGULAR WIRE MESH NORMAL DUCTILITY TO X5/X25 4471 RU DEWISTS SECTANGULAR WIRE MESH NORMAL DUCTILITY RU DEWISTS SQUME WIRE MESH NORMAL DUCTILITY SU DEWISTS SQUME WIRE MESH NORMAL

- REINFORCEMENT IS REPRESENTED DIAGRAMMATICALLY AND NOT NECESSARILY IN TRUE 2.
- SPLICES IN REINFORCEMENT SHALL BE MADE ONLY IN POSITIONS SHOWN OR OTHERWISE APPROVED IN WRITING BY THE ENGINEER.
- LAPS SHALL BE IN ACCORDANCE WITH AS 3600 AND NOT LESS THAN THE DEVELOPMENT LENGTH FOR EACH BAR.
- WELDING OF REINFORCEMENT SHALL NOT BE PERMITTED UNLESS SHOWN ON THE DRAWINGS OR APPROVED BY THE SUPERINTENDENT. 6
- MINIMUM FABRIC LAP SHALL BE TWO TRANSVERSE WIRES PLUS 50mm. WHERE FABRIC LAPS, SHEETS TO HAVE MAXIMUM 2 LAYERS AT ANY POINT, CUT BACK FABRIC AT CORNERS AS REQUIRED.
- WHERE TRANSVERSE TIE BARS ARE NOT SHOWN PROVIDE N12-400 SPLICED WHERE NECESSARY AND LAP WITH MAIN BARS 400mm UNLESS NOTED.

footprint

sustainable engineering

klama downs nsw 2533

a. 15 meehan drive

02 4237 6770

02 4237 8962

A***.

- ALL REINFORCEMENT SHALL BE FIRMLY SUPPORTED ON MILD STEEL PLASTIC TIPPED CHAIRS, PLASTIC BAR CHAIRS OR CONCRETE CHAIRS AND NOT GREATER THAN 1 METRE CENTRES BOTH WAYS (SOO EACH WAY FOR FABRIC).
- ALL RE-ENTRANT CORNERS TO HAVE 600 x 600mm N12 L-BARS TIED TO EACH LAYER OF MESH

FORMWORK:

- RESPONSIBILITY FOR DESIGN, CERTIFICATION, CONSTRUCTION AND PERFORMANCE OF FORMWORK AND FALSEWORK LIES WITH CONTRACTOR.
- DO NOT SUPPORT OR RESTRAIN FORMWORK ON PERMANENT WORKS WITHOUT SUPERINTENDENTS WRITTEN APPROVAL.
- SUFERINITIZATION THILE A PERUATIVE S. CONSTITUET COMMORENT CO CUMPLY WITH ASSIGIO AND CLAUSE 19.6.2 OF ASSIGO WHERE THIS IS MORE STRANCENT SO CONCRETE WILL HAVE DIMENSIONS, SHAPE, LOCATION AND FINISH SPECIFIES PROVIDE OFENDALS OR REMUNALE APALLES FOR SUFFACES TO INTERIOR OR FORWORK (SCREPT WHERE CONCRETE IS TO RECIDE AND APPLIED TIMEN TORWING HAVE THERE IS NO COMPATIBLE RELEASE ADDIT.) WHERE NEESSARY CLEAN REINFORCEMENT TO REMOVE TRACES OF RELEASE ADDIT. BURGER STREP. SET OUT FORWORK TO GIVE A REGULAR ARRANGEMENT OF PANELS, JOHN, BOLT HOLES ETC.
- DO NOT USE FORMWORK HARDWARE THAT FORMS A COMPLETE HOLE THROUGH CONCRETE ELEMENTS. DO NOT USE REINFORCEMENT TO SUPPORT FORMWORK. 5. PROVIDE HOLES IN REBATE FORMERS ETC AS REQUIRED TO PREVENT AIR ENTRAPMENT.

STRIP FORWWORK TO AS3600 CLAUSE 19.6. REMOVE FROM TIE BOLTS WITHOUT DAMAGING CONCRETE. PARTS OF BOLTS LEFT IN CONCRETE MUST NOT INTRUDE INTO COVER CONCRETE. FULST HIL HOLDS USING PRE-MIXED NON-SHRINK CEMENTITIOUS REPAIR MORTAR MATCHING CONCRETE SURFACE COLOUR, STRENGTH AND DURABILITY AND ADEQUATE BOND.

ALL STORMWATER WORKS SHALL BE UNDERTAKEN IN ACCORDANCE WITH AS3500.3.

THE CONTRACTOR IS TO VERIFY THE LOCATION AND LEVEL OF ALL EXISTING SERVICES PRIOR TO THE COMMENCEMENT OF ANY EXCAVATION.

MATERIAL TO BE USED FOR BEDDING OF PIPES SHALL BE APPROVED NON-COHESIVE GRANULAR MATERIAL HAVING HIGH PERMEABILITY AND HIGH STABILITY WHEN SATURATED AND FREE OF ORGANIC AND CLAY MATERIAL.

WHERE TRENCHES ARE IN ROCK, THE PIPE SHALL BE BEDDED ON A MINIMUM 50 CONCRETE BED (OR 75mm THICK BED OF BLUE METAL) UNDER THE BARREL OF PIPE. THE PIPE COLLAR AT NO POINT SHALL BEAR ON THE ROCK.

 BEDDING SHALL BE TYPE HS2 UNDER ROADS AND H2 IN ALL OTHER AREAS IN ACCORDANCE WITH CURRENT INDUSTRY STANDARDS AND GUIDELINES. PROVIDE MIN 300mm COVER TO PIPES NOT SUBJECT TO VEHICULAR LOADING TO AREAS WITHOUT PAVEMENT AND 500mm COVER IN AREAS SUBJECT TO VEHICULAR LOADING.

10. ALL PIPE BENDS, JUNCTIONS ETC ARE TO BE PROVIDED USING PURPOSE MADE FITTINGS OR STORNWATER PITS.

11. THE CONTRACTOR SHALL SUPPLY AND INSTALL ALL FITTINGS AND SPECIALS INCLUDING VARIOUS PIPE ADAPTORS TO ENSURE PROPER CONNECTION BETWEEN DISSIMILAR

PIT DIMENSIONS SHALL BE IN ACCORDANCE WITH AS3500.3 TABLE 8.2. ALL BASES OR PITS TO BE BENCHED TO HALF PIPE DEPTH.

ALL CONNECTIONS TO EXISTING DRAINAGE PITS SHALL BE MADE IN A TRADESMAN-LIKE MANNER AND THE INTERNAL WALL OF THE PIT AT THE PIPE PENETRATION CEMENT RENDERED TO ENSURE A SMOOTH FINISH.

16. THE CONTRACTOR SHALL PROTECT THE INTEGRITY OF ALL STORNWATER PIPE AND ORAMADE STRUCTURES DURING CONSTRUCTION, ANY AND ALL DAMAGE AS A RESULT OF THE WORKS SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE SUPERIMENDENT AT FULL COST OF THE CONTRACTOR.

TAKE ORE OF HAZARDS ASSOCIATED WITH BURED, CONCEALED OR OVERHEAD SERVICES. TAKE PRECUNTIONS TO ESTABLEN LOCATION OF AND PROTECT AND ADDRESS AND ADDRESS ASSOCIATED AND ADDRESS AND ADDRESS APPROXIMATE LOCATIONS ON SERVICES OFFEN THAT HOSE SERVICES AND ON STE. MARK LOCATIONS OF SERVICES CLEARLY ON STE. AND ON AS-BULL DRAWINGS HAND EXCAVATE WITHIN ONE METRE OF MICROIMS DEWRCES.

EXISTING UNDERGROUND SERVICES & UTILITIES HAVE BEEN IDENTIFIED IN THE AREA FROM A DIAL BEFORE YOU DIG SERVICES SEARCH, THE CONTRACTOR SHALL

OBTAIN CURRENT "DIAL BEFORE YOU DIG" INFORMATION PRIOR TO COMMENCING EXCAVATIONS.

Shoalhaven Traffic Committee: 14th June 2022 D22/228999

DRAWING NO

1938-C02

ISSUE

3

SHEET 2 OF 23

THE CONTRACTOR SHALL POTHOLE AND LOCATE ALL UNDERGROUND SERVICES PRIOR TO COMMENCEMENT ON SITE AND SHALL ENSURE THAT NO DAMAGE OCCURS TO THEM THROUGHOUT WORK UNDERTAKEN IN CONTRACT.

14. PITS GREATER THAN 1.2m DEEP ARE TO BE FITTED WITH STEP IRONS 15. ALL PIPES SHALL BE RUBBER RING JOINTED UNLESS NOTED OTHERWISE. FOR PIPES LAID ON CURVES USE LONG PIPE WITH LONG JOINT PIPE SOCKETS.

UNDERGROUND UTILITIES AND SERVICES:

Attachment

4

8. PROVIDE SEPARATION BETWEEN SERVICES IN ACCORDANCE WITH AS 3500. COVERS: USE HOT DIPPED GALVANISED COVERS AND GRATES COMPLYING WITH RELEVANT AUSTRALIAM STANDARDS. UNLESS DETAILED OR SPECIFIED OTHERWISE COVERS AND GRATES TO BE CLASS "C" IN VEHICULAR PAVEMENTS AND CLASS "B" ELSEMHERE.

3. THE CONTRACTOR SHALL CONFIRM ALL INVERTS AND GRADES PRIOR TO



DEMOLITION

- 1. CARRY OUT ALL DEMOLITION WORK IN ACCORDANCE WITH AS 2601
- 2. SUPPORT EXCAVATIONS FOR DEMOLITION OF UNDERGROUND STRUCTURES.
- PROVIDE SUPPORT TO ADJACENT STRUCTURES WHERE NECESSARY, SUFFICIENT TO PREVENT DAMAGE RESULTING FROM THE WORKS.
- PROVIDE DUST-PROOF SCREENS, BULKHEADS AND COVERS TO PROTECT EXISTING FINISHES AND THE IMMEDIATE ENVIRONMENT FROM DUST AND DEBRIS.
- 5. DO NOT USE EXPLOSIVES.
- CONTRACTOR TO REMOVE AND DISPOSE OF HAZARDOUS MATERIALS TO AUSTRALIAN STANDARDS AND IN ACCORDANCE WITH RELEVANT STATE AND FEDERAL REQUIREMENT.
- ANY ASBESTOS MATERIALS ENCOUNTERED TO BE REMOVED IN LINE WITH WORK COVER CODES OF PRACTICE. PROVIDE RECORDS OF DISPOSAL. PROVIDE AIR WORTCOME DURING REMOVAL & CLEARANCE CERTIFICATION ON COMPLETION & PRIOR TO OCCUPATION
- ULUP-RIUM B. THE CONTRACTOR SHALL GIVE NOTICE IMMEDIATELY IF UNKNOWN HAZARDOUS MATERIALS OF CONTRICTORS ARE FUNDIN, INCLUDIES FUNDING: FUNDER OF EXPLOSIVE USURDS OF GASTRE. TOXIC, INFECTIVE OF CONTRAMENTED MATERIALS. TOXIC, INFECTIVE OF CONTRAMENTED MATERIALS. NOXOUS OF CONTRACTORS WINCH HAVE BEEN USED FOR STORAGE OF EMPLOSIVE, TOXIC, INFECTIVE OF CONTRAMENTED SUBSTINCES.
- 9. PROVIDE CLEARANCE CERTIFICATE TO WCC REPRESENTATIVE FOR REMOVAL OF ANY HAZARDOUS MATERIALS.
- 10. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE FROM SITE AND DISPOSE OF ALL ITEMS TO BE DEMOLISHED IN AN APPROPRIATE AND LEGAL MANNER.

SURVEY MARK PROTECTION:

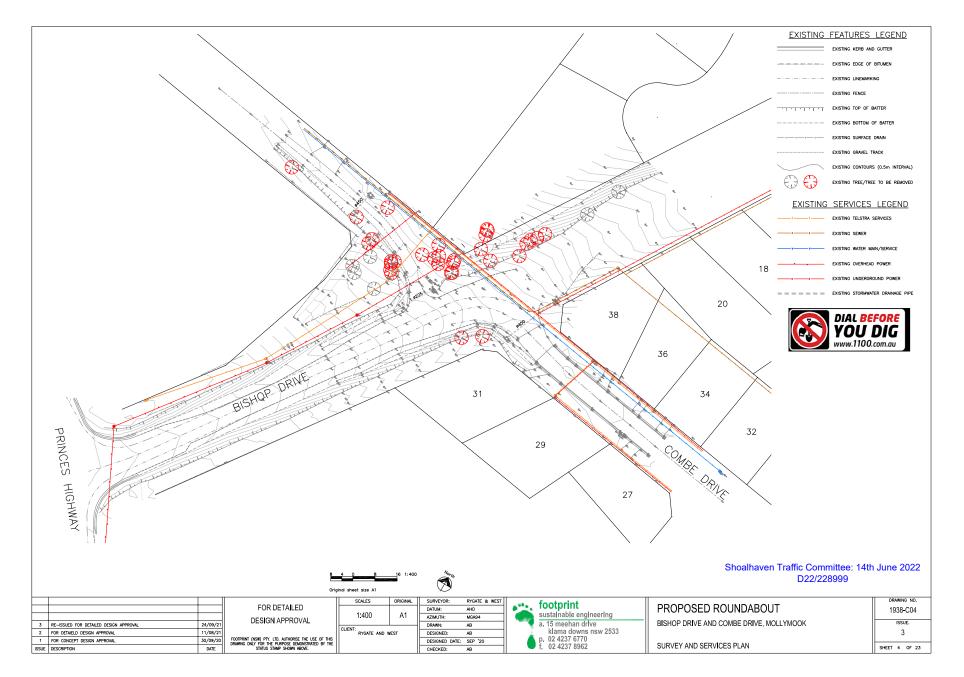
1. In ACCRRANCE WITH SECTION 24(1) OF THE SURVEYING AND DATAL INFORMATION ACT 2002 FEPSION USE'N OF REMOVE, DWALE, DESTROY, DESALCE, GRIETRANCE OR DEFACE ANY SURVEY WARK UNLESS AUTIORISED TO DO SO BY THE SURVEYOR DESALE. IN THIS RESULTANY PROPOSED DOWNSTRUCTION WORK THAT MAY AFECT DESALE. IN THIS RESULTANY PROPOSED DOWNSTRUCTION WORK THAT MAY AFECT DESALE. IN THIS RESULTANY PROPOSED DOWNSTRUCTION WORK THAT MAY AFECT DESALE ANY SURVEY WARK UNLESS. AUTIORISED TO DO SO BY THE SURVEYOR DESALED TO ARENNES THE RESULTANY RESULTANY OF THE RESULTENTS OF THE RESULTANY DATA AND APPORTED THIS THROWSTON.

 $\overline{}$

Shoalhaven Traffic Committee: 14th June 2022 D22/228999

				SCALES	ORIGINAL	SURVEYOR:	RYGATE & WEST		footprint		DRAWING NO.
			FOR DETAILED			DATUM:	AHD			PROPOSED ROUNDABOUT	1938-C03
			DESIGN APPROVAL		A1	AZIMUTH:	LOCAL	Alex	sustainable engineering		
3	RE-ISSUED FOR DETAILED DESIGN APPROVAL	24/09/21	DESIGNAFFROVAL	CLIENT:	1	DRAWN:	AB		a. 15 meehan drive	BISHOP DRIVE AND COMBE DRIVE, MOLLYMOOK	ISSUE.
2	FOR DETAILED DESIGN APPROVAL	11/08/21		RYGATE AND N	WEST	DESIGNED:	AB		klama downs nsw 2533		3
1	FOR CONCEPT DESIGN APPROVAL	30/09/20	FOOTPRINT (NSW) PTY. LTD. AUTHORISE THE USE OF THIS DRAWING ONLY FOR THE PURPOSE DEMONSTRATED BY THE			DESIGNED DATE	: SEP '20		p. 02 4237 6770		
ISSUE	DESCRIPTION	DATE	STATUS STAMP SHOWN ABOVE.			CHECKED:	AB		f. 02 4237 8962	GENERAL NOTES - SHEET 2 OF 2	SHEET 3 OF 23







<u>GENERAL REQUIREMENTS</u> THE FOLLOWING FROSION AND SEDMENT CONTROL PLAN (SSCP) HAS BEEN DEVELOPED IN GENERAL ACCREMENTS WITH LINECOM (2004) - MANAGING URBAN STORMWATER: SOLS AND CONSTRUCTION, OTHERWIS ENGINENT AND SEDMENT CONTROL FRAN TO SUIT SITE CONDITIONS. AS CONSTRUCTION PROGRESSES THE ENGINE AND SEDMENT CONTROL FRAN TO SUIT SITE CONDITIONS. AS CONSTRUCTION PROGRESSES THE CONTRACTOR'S RESPONSEMENT ALL TIMES TO ENSURE THAT THE ERGISION AND SEDMENT MANAGEMENT MASARES COMPLY WITH THE REQUIREMENTS OF THE BULL EDUCON.

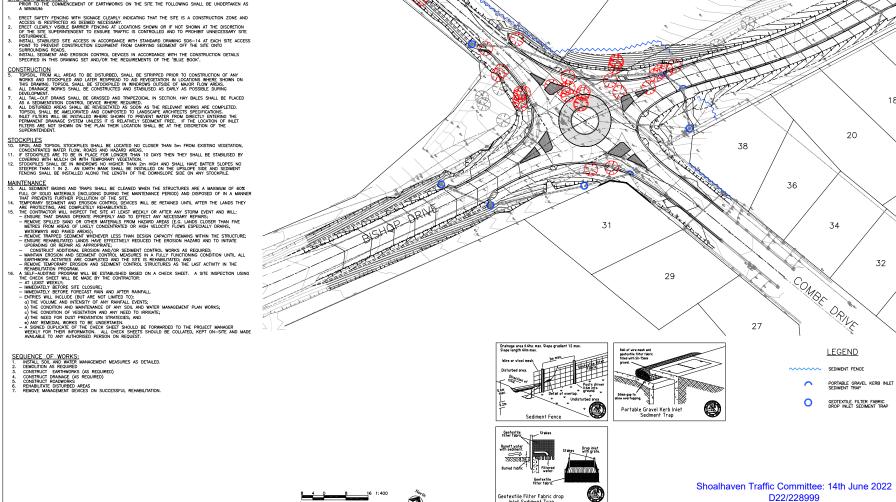
- SITE ESTABLISHMENT PRIOR TO THE COMMENCEMENT OF EARTHWORKS ON THE SITE THE FOLLOWING SHALL BE UNDERTAKEN AS
- ERECT SAFETY FENCING WITH SIGNAGE CLEARLY INDICATING THAT THE SITE IS A CONSTRUCTION ZONE AND ACCESS IS RESTRICTED AS DEEMED NECESSARY.
- ACCESS IS RESTRICTED AS DEEMED RECESSARY. 2. ERECT LIZARLY VISIBLE BARRIER FRANKO AL LOCATIONS SHOWN OR IF NOT SHOWN AT THE DISCRETION OF THE SITE SUFERINTIADENT TO ENJOIRE TRAFFIC IS CONTINUED AND TO PROHIBIT UNIVELESSARY SITE 1. INSTALL SIDULESS SITE ACCESS IN ACCORDANCE WITH STANAROD ROWING SOFT-14 TA EACH SITE ACCESS POINT TO PREVENT CONSTRUCTION EQUIPMENT FROM CARRYING SEDWIRTH OFF THE SITE ONTO SUPROLUMON RANDS. 1. INSTALL SEDWENT AND EROSIN CONTROL DEVICES IN ACCORDANCE WITH THE CONSTRUCTION DETAILS SPECIFIED IN HIS ORMAINS GET AND/OR THE REQUIREMENTS OF THE BULE BOOK.

- CONSTRUCTION 5. DIFORM TRAINAL AREAS TO BE DISTURBED. SHALL BE STRIPPED PRIOR TO CONSTRUCTION OF ANY THIS DRAWN, ON STOCKHED AND LATER RESPERIO TO AD REVISETATION IN LODATIONS WHERE SHOWN ON THIS DRAWN, DESOLG SHALL BE STOCKHED IN INVERCENS OUTDED OF MADR. FLOW AREAS. 6. ALL DRANNGE WORKS SHALL BE CONSTRUCTED AND STABILISED AS EARLY AS POSSIBLE DURING DEVELOPMENT.
- 7
- 8
- 9.
- A TRADUCTION TO THE PLAN THER LOCATION SHALL BE CALL STREAM OF THE DISCRETE OF THE DISCRETE OF THE STREAM OF STREAM OF STREAM OF STREAM OF STREAM OF THE STREAM OF THE STREAM OF THE STREAM OF STR

- STOCKPILES 10. SPOIL AND TOPSOL STOCKPIES SHALL BE LOCATED NO CLOSER THAN 5m FROM EXISTING VEGETATION, 11. STOCKPIES ARE TO BE IN POACE TOR LOWORD THAN TO DAYS THEN THEY SHALL BE STABILISED BY COVERING WITH MULCH OR WITH TEMPORARY VEGETATION. 2. STOCKPIES SHALL BE IN STALLED AND THE UNADER THAN 2m HOH AND SHALL HAVE BATTER SLOPES NO STOCKPIES THAN I A N. AND DATIONARY VEGETATION. 2. STOCKPIES SHALL BE IN STALLED AND THE LISTING THE DATION THEY DON'T BOOK THE TEXTORS SHALL BE INSTALLED AND THE LISTING THE DOWNLOW SDEE ON ANY STOCKPIE.

- SEQUENCE OF WORKS: 1. INSTALL SOIL AND WATER MANAGEMENT MEASURES AS DETAILED. 2. DEMOLITION AS REQUIRED 3. CONSTRUCT EARTHWORKS (AS REQUIRED)

- CONSTRUCT EARTHWORKS (AS REQUIRED) CONSTRUCT DRAINAGE (AS REQUIRED) CONSTRUCT ROADWORKS REHABILITATE DISTURED AREAS REMOVE MANAGEMENT DEVICES ON SUCCESSFUL REHABILITATION.



Geotextile Filter Fabric drop Inlet Sediment Trap

Shoalhaven Traffic Committee: 14th June 2022 D22/228999

			orig	and sheet size Al		\sim					
				SCALES	ORIGINAL	SURVEYOR:	RYGATE & WEST		footprint		DRAWING NO.
			FOR DETAILED			DATUM:	AHD		footprint	PROPOSED ROUNDABOUT	1938-C05
			DESIGN APPROVAL	1:400	A1	AZIMUTH:	LOCAL	. Mer	sustalnable engineering		
3	RE-ISSUED FOR DETAILED DESIGN APPROVAL	24/09/21	1	CLIENT:		DRAWN:	AB		a. 15 meehan drive	BISHOP DRIVE AND COMBE DRIVE, MOLLYMOOK	ISSUE.
2	FOR DETAILED DESIGN APPROVAL	11/08/21		RYGATE AND	NEST	DESIGNED:	AB		klama downs nsw 2533		3
1	FOR CONCEPT DESIGN APPROVAL	30/09/20	FOOTPRINT (NSW) PTY. LTD. AUTHORISE THE USE OF THIS DRAWING ONLY FOR THE PURPOSE DEMONSTRATED BY THE			DESIGNED DATE	: SEP '20	11	p. 02 4237 6770		
ISSI	E DESCRIPTION	DATE	STATUS STAMP SHOWN ABOVE.			CHECKED:	AB		f. 02 4237 8962	EROSION AND SEDIMENT CONTROL PLAN	SHEET 5 OF 23

16 1:400

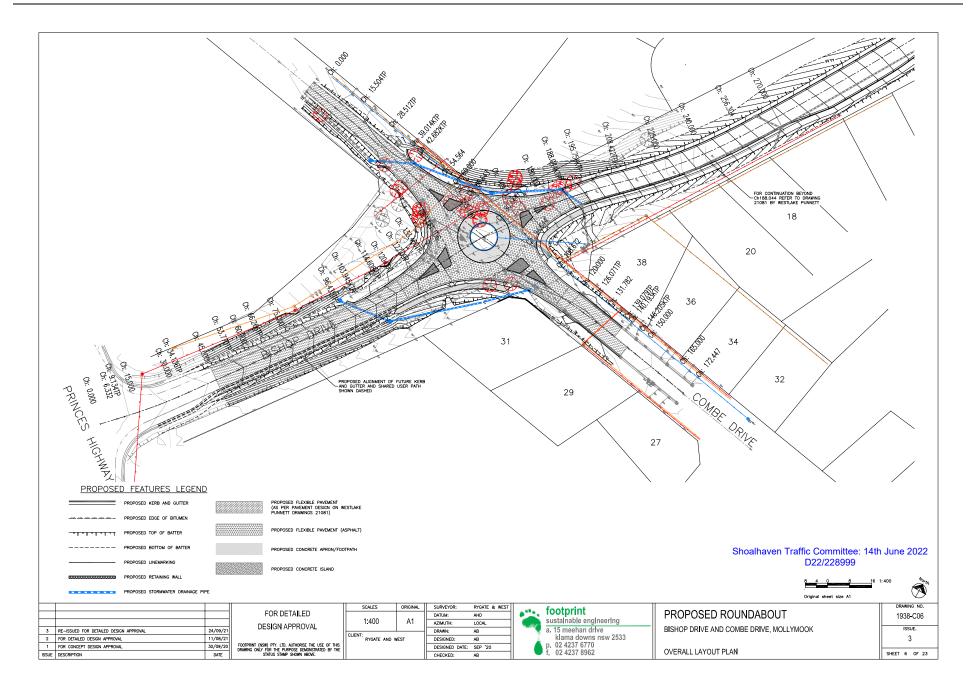
R

No. of Concession, No. of Conces

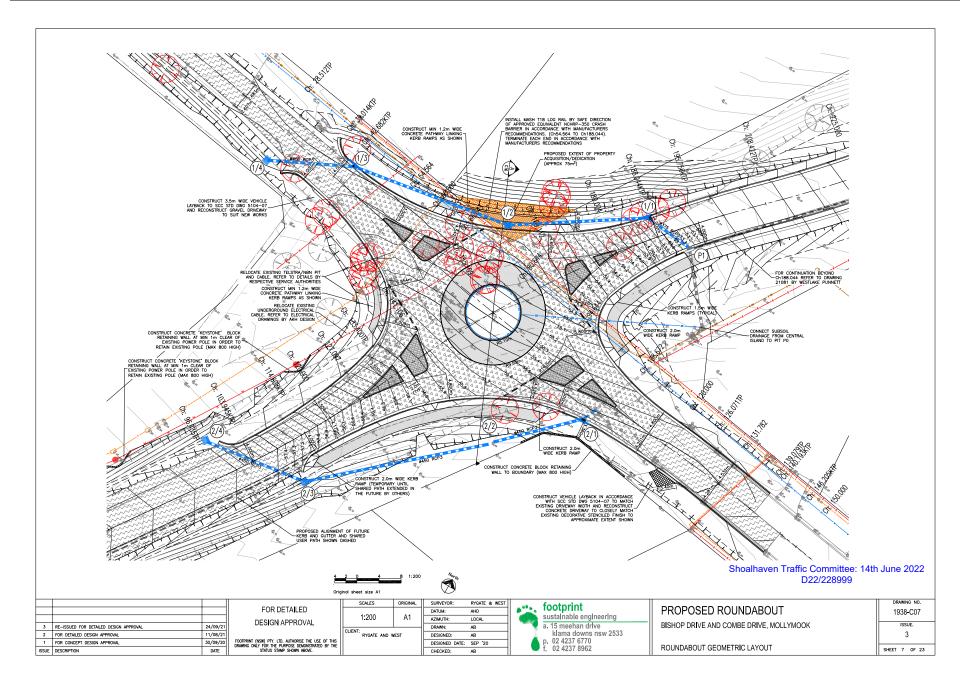
18

32

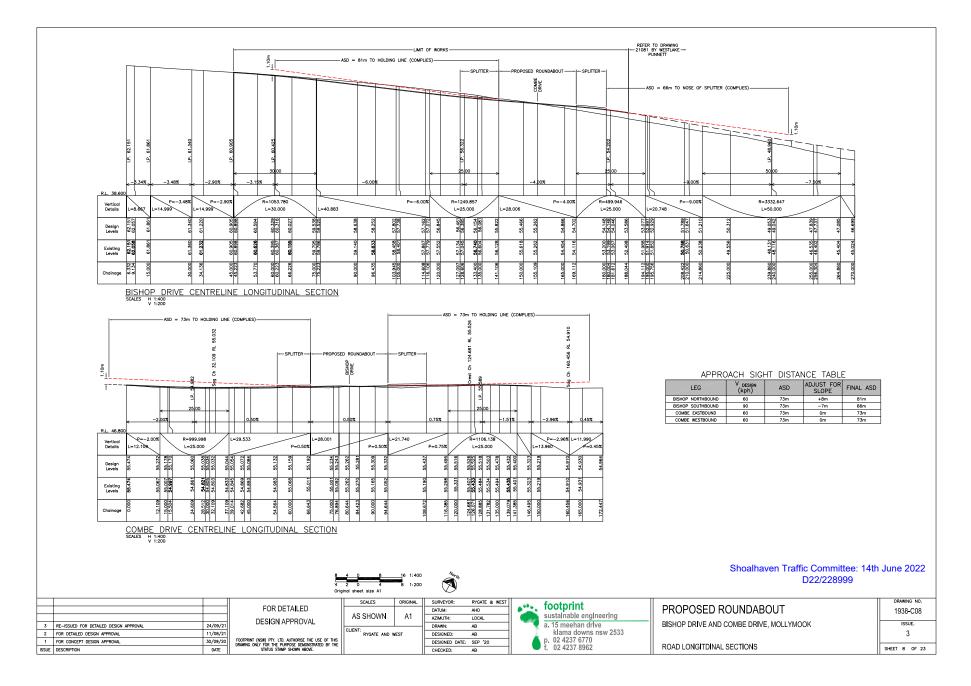












-



