

Traffic Committee Meeting

BUSINESS PAPER

Notice is hereby given in accordance with the *Local Government Act 1993* and Local Government (General) Regulation 2005 of the below mentioned meeting.

Wednesday, 02 March 2022

Commencing at 9:30 AM

Shellharbour Civic Centre Ground Floor Training Room

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1. Attendance

Record of attendees to be taken at the meeting.

2. Acknowledgement to Country

Shellharbour City Council acknowledges the Traditional Custodians of the Dharawal Country and recognise their continued connection to the land we meet on today. We pay our respects to Elders past, present and emerging and the contribution they make to the life of this city and this region and extend our recognition to their descendants who continue to live on country.

3. Apologies / Leave of Absence

4. Confirmation of Minutes

4.1. Traffic Committee Meeting 1 December 2021

That the Minutes of the Traffic Committee Meeting held on 1 December 2021 as circulated be taken as read and confirmed as a correct record of proceedings.

- 5. Addresses to Traffic Committee
- 6. Disclosure of Interest
- 7. Presentations
- 8. Traffic Reports

8.1. Installation of Emergency Vehicles Excepted Sign - Webb Lane, Albion Park

To the Chief Executive Officer

Directorate: Amenity & Assets	
Group: Built & Natural Environment	
Manager:	Matthew Apolo – Group Manager Built & Natural Environment
Author: Tyson Perry – Engineering Technical Officer	

Summary

The purpose of this report is to seek endorsement from the Committee for the installation of an "Emergency Vehicles Excepted" sign under the existing "No Right Turn" sign at Webb Lane, Albion Park (**Attachment 1**).

Background

Council received a request from Lake Illawarra Police District to install an "Emergency Vehicles Excepted" sign under the existing "No Right Turn" sign (**Attachment 2**) at Webb Lane, Albion Park. The route is a regular route for the Lake Illawarra Police when heading north to attend urgent jobs.

Financial / Resources Implications

If approved, works will be carried out and funded by Council.

Legal and Policy Implications

Nil.

Public / Social Impact

- No changes to traffic conditions for the general public.
- Permits emergency services to legally turn at location as required.

Link to Community Strategic Plan

This report supports the following objectives and strategies of the Community Strategic Plan:

Objective:	2.3	A city that is connected through places and spaces
Strategy:	2.3.3	Provide and promote a sustainable, safe and connected transport network
	2.3.4	Facilitate the development of the built environment to meet community needs

Consultations

The following consultations were undertaken:

Internal

- Manager Floodplain and Transport
- Senior Transport Engineer
- Road Safety Officer

External

Lake Illawarra Police

Political Donations Disclosure

Not Applicable

Committee Recommendation

That Council approve the installation an "Emergency Vehicles Excepted" sign (r9-200n) at Webb Lane, Albion Park in accordance with Attachment 2 and relevant Australian Standards.

Approved By

Approved for Council's Consideration:	Matthew Apolo
Date of Meeting:	2 March 2022

Attachments

- 1. Locality Plan
- 2. Proposed Sign Location

Attachment 1 - Locality Plan



This is page 6 of the AGENDA of the Traffic Committee Meeting of the Council of the City of Shellharbour held Wednesday, 02 March 2022

Attachment 2 - Proposed Sign Location



Install "No Right Turn" and "Emergency Vehicles Excepted" signs on left hand side as shown

8.2. Warilla Streetscape Stage 2

To the Chief Executive Officer

Directorate: Amenity & Assets	
Group: Built & Natural Environment	
Manager:	Matthew Apolo – Group Manager Built & Natural Environment
Author: Tyson Perry – Engineering Technical Officer	

Summary

The purpose of this report is to seek endorsement from the Committee for the signage and linemarking plan for the Warilla Streetscape Stage 2 works (**Attachment 1**).

Background

Warilla Streetscape Stage 2 works are under way and aims to create a public space that includes seating, landscaping, artwork and a new amenities block including all services. As part of the project, the existing amenities block within the carpark will be demolished making way for a new amenities block and seating area. As part of these works, Council's Transport team are proposing extensive improvements to the vehicular access and egress to the carpark which will improve road safety in the area. These proposed changes include altering the traffic flow within Hall Lane as well as other signage and linemarking changes as illustrated in **Attachment 2**. Stage 2 works commenced in February 2022 with works expected to complete at the end of May 2022 subject to approval(s).

Financial / Resources Implications

If approved, works will be carried out and funded by Council.

Legal and Policy Implications

Nil.

Public / Social Impact

- Improved road safety through the reduction in conflict points at entry/exit points of the carpark and revision of the internal traffic flow of the carpark.
- Removal of car parking in Hall Lane and delineation of car parking within the carpark.
- Improved delineation and signage.

• Installation of three (3) disabled parking spaces designed in accordance with Australian Standards.

Link to Community Strategic Plan

This report supports the following objectives and strategies of the Community Strategic Plan:

Objective:	1.2	Active and healthy
Strategy:	1.2.1	Provide access to services and facilities
		where people can live, learn and play

Objective:	2.3	A city that is connected through places and spaces
Strategy:	2.3.3	Provide and promote a sustainable, safe and connected transport network
	2.3.4	Facilitate the development of the built environment to meet community needs

Objective:	4.2	Supported by a Council that is responsive, accountable and financially viable
Strategy:	4.2.1	Undertake Council activities within a clear framework of strategic planning, policies, procedures and service standards

Consultations

The following consultations were undertaken:

Internal

- Manager Floodplain and Transport
- Senior Transport Engineer
- Manager Compliance & Regulation
- Road Safety Officer
- Manager Projects
- Project Delivery Officer
- Manager Asset Planning

External

• Businesses in close proximity to proposed works

Political Donations Disclosure

Not Applicable

Committee Recommendation

That Council approve the signage and linemarking plan for the Warilla Streetscape Stage 2 works as shown in Attachment 2 subject to the disabled parking spaces being installed in accordance with relevant Australian Standards.

Approved By

Approved for Council's Consideration:	Matthew Apolo
Date of Meeting:	2 March 2022

Attachments

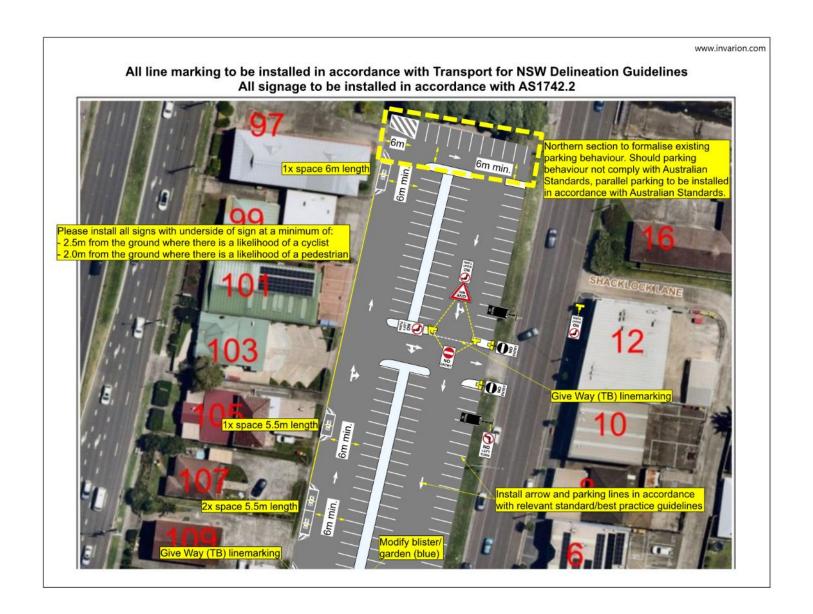
- 1. Locality Plan
- 2. Signage & Linemarking Plan

Attachment 1 - Locality Plan



Attachment 2 - Beverley Avenue Car Park Improvements







8.3. School Zone Infrastructure Sub-Program - Detailed Designs

To the Chief Executive Officer

Directorate: Amenity & Assets	
Group: Built & Natural Environment	
Manager: Matthew Apolo – Group Manager Built & Natural Envir	
Author: Tyson Perry – Engineering Technical Officer	

Summary

The purpose of this report is to seek endorsement from the Committee for the installation of raised wombat crossings and the upgrade to a pedestrian refuge at several schools across the Shellharbour Local Government Area.

Background

As reported to the Committee in August 2021, Shellharbour City Council were successful in obtaining grant funding under the School Zone Infrastructure subprogram which is part of the \$540 million Federal Road Safety (NSW) Program. The key objective of this program is to improve pedestrian facilities along main pedestrian routes to and from school and within school zones. As many children walk and take public transport, routes to and from school are key risk areas for children around school start and finish times.

Council has recently received the detailed designs (Attachment 1) for the following projects:

- 1. Raised Wombat Crossing Oldfield Street, Warilla
- 2. Raised Wombat Crossing Stradbroke Avenue, Shell Cove
- 3. Raised Wombat Crossing Wentworth Street, Oak Flats
- 4. Raised Wombat Crossing Willinga Road, Flinders
- 5. Pedestrian Refuge Upgrade Ulster Avenue, Warilla

Community consultation with the adjacent schools and surrounding residents/businesses were undertaken prior to the detailed design of the facility with any concerns raised being addressed at detailed design (where possible). If approved, the facilities are expected to be installed by the end of the 2021/22 Financial Year. In addition to the installation of the facilities, Council's Transport team are also seeking to improve the signage and linemarking at Oak Flats and Shell Cove Public Schools. These are illustrated in **Attachment 2** and **Attachment 3** respectively.

Please note that the proposed advisory speeds are non-standard and must end in a '5' in accordance with Section 3.3.5 of NSW Speed Zoning Guidelines.

Financial / Resources Implications

If approved, works will be carried out by Council with works funded by School Zone Infrastructure sub-program (Federal Stimulus Funding).

Legal and Policy Implications

Nil.

Public / Social Impact

Improved road safety around schools

Link to Community Strategic Plan

This report supports the following objectives and strategies of the Community Strategic Plan:

Objective:	1.2	Active and healthy		
Strategy:	1.2.1	Provide access to services and facilities where		
		people can live, learn and play		

Objective:	2.3	A city that is connected through places and spaces
Strategy:	2.3.3	Provide and promote a sustainable, safe and connected transport network
	2.3.4	Facilitate the development of the built environment to meet community needs

Objective:	4.1	Led through collaboration	
Strategy:	4.1.2	Actively engage, consult and inform the community	

Objective:	4.2	Supported by a Council that is responsive, accountable and financially viable
Strategy:	4.2.1	Undertake Council activities within a clear framework of strategic planning, policies, procedures and service standards

Consultations

The following consultations were undertaken:

Internal

- Manager Floodplain and Transport
- Senior Transport Engineer
- Manager Compliance & Regulation
- Road Safety Officer
- Manager Projects
- Manager Asset Strategy
- Design Services Officer

External

- · Adjacent schools
- Residents/businesses in close proximity to the works

Political Donations Disclosure

Not Applicable

Committee Recommendation

That Council:

- 1. Approve the installation of a raised wombat (pedestrian crossing) and associated signage/linemarking at Oldfield Street, Warilla as shown in Attachment 1 and all advisory speeds being revised in accordance with Section 3.3.5 of NSW Speed Zoning Guidelines.
- 2. Approve the installation of a raised wombat (pedestrian crossing) at Stradbroke Avenue, Shell Cove as shown in Attachment 1 subject to the signage and linemarking being installed in accordance with Attachment 2 and all advisory speeds being revised in accordance with Section 3.3.5 of NSW Speed Zoning Guidelines.
- 3. Approve the installation of a raised wombat (pedestrian crossing) at Wentworth Street, Oak Flats as shown in Attachment 1 subject to the longitudinal linemarking being installed in accordance with Attachment 3 and all advisory speeds being revised in accordance with Section 3.3.5 of NSW Speed Zoning Guidelines.
- 4. Approve the installation of a raised wombat (pedestrian crossing) at Willinga Road, Flinders as shown in Attachment 1 and all advisory speeds being revised in accordance with Section 3.3.5 of NSW Speed Zoning Guidelines.
- 5. Approve the upgrade to the pedestrian refuge at Ulster Avenue, Warilla as shown in Attachment 1.

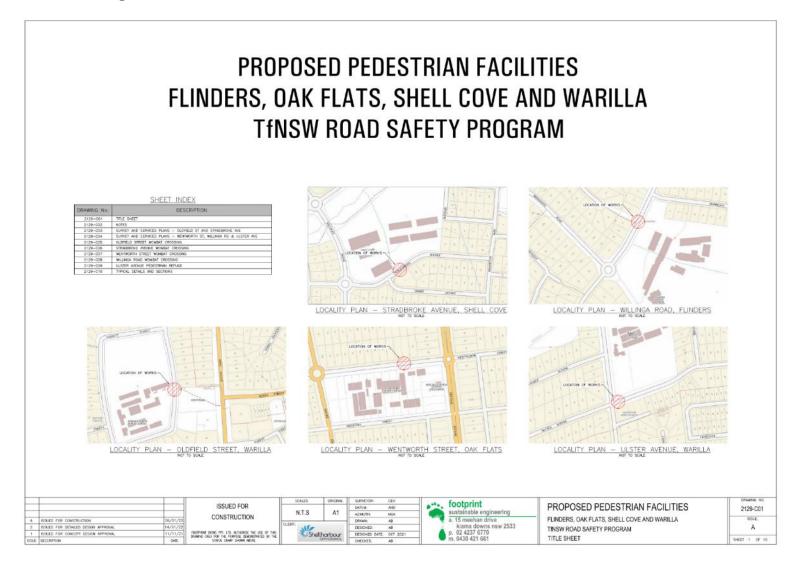
Approved By

Approved for Council's Consideration:	Matthew Apolo	
Date of Meeting:	2 March 2022	

Attachments

- 1. Detailed Designs
- 2. Shell Cove School Signage & Linemarking Plan
- 3. Oak Flats School Linemarking Plan

Attachment 1 - Detailed Designs



Traffic Committee Meeting - Wednesday, 02 March 2022

- PEAD THESE NOTES IN CONJUNCTION WITH OTHER ENGINEERING DRAWNOS AND SPECIFICATIONS, AND WITH SUCH OTHER WRITTEN INSTRUCTIONS ISSUED. REFER TO CHIL CRAWNINGS FOR SETTING OUT AND DETAILED DIVERSIONS. IN CASE OF DISCREPANCY, PRECEDENCE IS GIVEN TO DRAWNINGS, THEN INDIES, THEN SPECE CATION.
- CARRY OUT WORK IN A SAFE MAINER IN ACCORDANCE WITH APPLICABLE STATUTORY
 PROULATIONS, BY-LAWS OR RILES. CONTRACTOR IS RESPONSIBLE FOR COCUPATIONAL HEALTH
 AND SHELY OF SITE PERSONNIL, AND CONTRACTOR IN ACCORDANCE, WITH LICESLATINE,
 RECOURBANTS, INDUSTRIA, ARRESISHINS AND ACCEPTED INCUSTRY PRACTICE.
- 3. REFER DISCREPANCIES TO SUPERINTENDENT BEFORE PROCEEDING WITH WORK.
- NOMINATION OF PROPRIETARY ITEMS DOES NOT INDICATE EXCLUSIVE FREFERENCE, BUT INDICATES REQUIRED PROPERTIES OF THE ITEM. SIMLAR ALTERNATIVES HAVING THE REQUIRED PROPERTIES MAY BE OFFERED OFFER APPROVAL OSE NOT AUTHORISE A VARIATION TO THE CONTRACT. INSTALL PROPRIETARY ITEMS IN ACCORDANCE WITH MANUFACTURERS OFCURRENTIATS 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 BAYS (48 HOURS) NOTICE SO THAT INSPECTION MAY BE MADE OF CRITICAL STACES OF WORK.
- 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. THAT CAPE OF HAZARDS ASSOCIATED MITH BURIED, CONCEALED ON CVENTEAD SERVICES. TAKE PREGUNDOSS TO ESTRUBEN LOCATION OF AND PROTECT ENSTRING SERVICES AT THE STE. SURVICES SHORN ON DEBROWAN SERVICE MAD PROPRIED LOCATIONS ON S. SURVICES OFFER THAN THOSE SHOWN MAY DISTO ON SITE. MAD CONTINUED OF SERVICES CLEARLY ON SITE, AND ON ASSENCE DEMBRANDS, MAD DESCRICE WITHIN ONE MELTING OF IN-40000D SERVICES.
- 14. WORNMASHP AND MATERIALS TO COMPLY WITH REQUIREMENTS OF SAA CODES, BUILDING CODE OF AUSTRALIA AND BY-LAWS AND ORDHANGES OF RELEVANT BUILDING AUTHORITIES ALL CODES REFERRED TO ARE THOSE CURRENT (AS AMENDED) AT COMMENCEMENT OF CONTRACT.
- 15. MAINTAIN STRUCTURE IN A STABLE CONDITION DURING CONSTRUCTION AND PROVIDE TEMPORAR
- 17. DISPOSE OF SURPLUS MATERIAL OFF SITE AT APPROVED LOCATION.
- 18. IMPLEMENT SOIL AND WATER MANAGEMENT PROCEDURES TO AVOID EROSION, CONTAMINATION AND SEDMENTATION OF STILL, SUBROUNDING ANDAS AND DRIVINGE SYSTEMS IN ACCORDANCE WITH MANAGING LIBBAR STORMANTERSUS, AND CONSTRUCTION.
- 10. OBTAIN REQUIREMENTS FOR ADJOINING ELEMENTS TO BE FINED TO OR SUPPORTED ON WORK AND PROVIDE FOR REQUIRED FINANCS DEMANDS DO NOT SHOW DETAILS OF ALL FITTINGS, INSTRUCT, SILENSE, RELEASED OF OPPRINGE FOR REQUIRED, PROVIDE FOR TEMPORARY SUPPORT OF ADJOINING ELEMENTS DURING CONSTRUCTION.
- 20. MAKE GOOD ANY DANAGE TO EXISTING ELEMENTS PRICE TO COMPLETION OF WORKS.
- 21. WHERE NEW WORK ABUTS EXISTING PROVIDE SMOOTH TRANSITION FREE OF ABRUPT CHANGES.
- 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 INCOMPATBLE MATERIALS (I.E. GALWANSED AND UNGALWANSED STEE TREATED THISSE AND STEEL ETC) BY CONCEILED LIVERS OF SUITABLE INERT MATERIALS OF SUITABLE THICKNESS. USE PLASTIC SERVES AND WASHINGS FOR BOUTS ETC.
- 24. BUILD PARRICATE 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.

- PROVIDE BARRIERS AROUND ALL CONSTRUCTION WORKS WITHIN THE PUBLIC DOWAR TO PROVIDE SAFE ACCESS FOR PEDESTRAWS.
- CONCRETE PUMPS AND CRANES ARE TO OPERATE FROM MITHIN THE CESCONTED WORK AREA AND ARE NOT TO OPERATE FROM THE FUBLIC ROADWAY UNLESS SPECIFIC COUNCIL PERMISSION TO DISTANCE.
- 3. DELIVERY VEHICLES MUST NOT STAND WITHIN THE PUBLIC ROADWAY FOR MORE THAN 20 MINUTES AT A TIME.
- TOLET FACLITIES MUST BE EITHER FLUSHING TYPE OR APPROVED PORTABLE CHEMICAL CLOSET. CHEMICAL CLOSETS ARE TO BE WANTAINED AND SERVICES ON A REGULAR BASIS SO THAT OFFENSIVE COOLIN B. NOT INVITIED.
- PEDESTRIAN CONTROL WEASURES ARE REQUIRED TO BE IMPLEMENTED AND MAINTAINED DURING CONSTRUCTION IN ACCORDANCE WITH AS1742, MANUAL OF UNFORM TRAFFIC CONTROL DEVICES.

- IMPLEMENT SOIL AND MATER MANAGEMENT PROCEDURES TO ANOID EROSON, CONTAMINATION
 AND SEDMENTATION OF SITE, SURROUNDING AREAS AND DRAINNEE SYSTEMS IN ACCORDANCE
 WITH MANAGEMENT URBAN STORMANTER-SOLS AND CONSTRUCTION (THE BLUE BOOK). REFER TO
 THE BLUE BOOK FOR STANDARD DRIVAING "SD" RETERENCED 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-STEE
- RETAIN ALL EXISTING GRASS COVER WHEREVER POSSIBLE, TOPSOL FROM ALL AREAS THAT WILL BE DISTURBED ARE TO BE STRIPPED AND STOCKPILED AT THE NOMINATED SITE.

- STOCKPILES OF LOOSE MATERIALS SUCH A SAND, SOR, AND GRAVE, MUST BE COVERED WITH GEOTEXTILE. PLASTIC SHEETING OR MEMBRANE MUST NOT BE USED, SAVETY BARRICADING SHOULD BE USED TO ISOLATE STOCKPILES OF SOUD MATERIALS SUCH AS STEEL REINFORCING
- . WASTE WATERIALS 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.
- 12. ALL VEHICLES LEAVING THE SITE MUST PASS OVER A STABILISED SITE ACCESS BALLAST AREA (SMLAR TO STANDARD DEMANS SDE-14) TO SHAVE OFF SITE CLAY AND SOL, IF MEDESSARY WHEELS AND ANLES ARE TO BE HOSED DOWN, BALLAST IS TO BE WANTAINED AND REPLACED AS NECESSARY CURING THE CONSTRUCTION PERIOD.
- THE HEAD CONTRACTOR IS TO INFORM ALL SITE STAFF AND SUB-CONTRACTORS OR THEIR COLLIGATIONS UNDER THE CROSION AND SIZEMENT CONTROL, PLAN.
- ANY SEDMENT DEPOSITED ON THE PUBLIC WAY, INCLUDING POOTPATH RESERVE AND ROAD SURFACE IS TO BE REMOVED IMMERIATELY.
- TRUCKS REMOVING EXCHATE/DEMOLISHED MATERIA. SHOULD TRAVEL ON STABLISED CONSTRUCTION PATHS MATERIA. ARE TO BE THICEN TO THE TRUCKS TO REDUCE TRUCK MATERIATY ON-SITE. TRUCKS TO BE LIMITED TO SHIGLE UNIT HEAVY MIGD VEHICLES (NO STAM—TRAVELS).
- Diversion Banks Should be constructed by Mounding Stripped Topsor. (Min Height 600mm) Where Directed, Naterial to be respread on Footways after final triuming.
- UNDISTURBED BUFFER ZONE AREAS ARE TO BE CLOSED TO ALL TRAFFIC MOVEMENTS UNLESS OTHERWISE APPROVED BY THE SUPPRINTENDENT.

- 1. CARRY OUT ALL DEMOLITION WORK IN ACCORDANCE WITH AS 2801.
- 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 EXSTING FINISHES AND THE IMMEDIATE ENVIRONMENT FROM DUST AND DEBRIS.
- CONTRACTOR TO REVIOUS AND DISPOSE OF HAZARDOUS MATERIALS TO AUSTRALIAN STANDARDS AND IN ACCORDANCE WITH RELEVANT STATE AND FEDERAL REQUIREMENT.

- 9. PROVIDE CLEARANCE CERTIFICATE TO SUPERINTENDENT FOR REMOVAL OF ANY HAZARDOUS MATERIALS.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE FROM SITE AND DISPOSE OF ALL IETUS TO BE DEMOLISHED IN AN APPRICAPITATE AND LEGAL MANNER.

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

ELEMENT	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)
RAISED THRESHOLD	40	80	20	50	50	50
FOOTPATH	20	80	20	50	50	50

- CONCRETE SIZES/DIMENSIONS SHOWN DO NOT INCLUDE THE THICKNESS OF ANY APPLIED FINANCES. NO FINSH THAT DECREASES OVER IS PERMITTED MITHOUT THE WRITTEN APPROVAL OF THE SUPERINTENDEMIN/ENGINEER.
- 8. MAINTAIN COVER TO REINFORGEMENT AT CHAMPERS, DRIP GROOVED, REGLETS ETC.
- NO HOLES, CHASES, BLOCKOUT, DUCTS OR EVBEDNENT OF PIPES OTHER THAN THOSE SHOWN ON THE DRAWNOS SHALL BE MADE IN CONCRETE MEMBERS WITHOUT THE PRICE WHITTEN APPROVAL OF THE SUPERINDEDICT/SCHOEDER.
- CONSTRUCTION JOINTS WHERE NOT SHOWN SHALL BE LOCATED TO THE APPROVAL OF THE SUPERINTENDENT/ENGINEER.

- CONSTRUCTION SUPPORT PROPPING IS TO BE LEFT IN PLACE WHERE NEEDED TO AVOID OVERSTRESSING THE STRUCTURE DUE TO CONSTRUCTION LONDING.
- 14. ALL CONCRETE SHALL BE PLACED IN SUCH A MANNER SO AS TO AVOID SEGREGATION OR LOSS OF WATERIALS.
- 15. UNDER NO CIRCUMSTANCES SHALL EXCESS CONCRETE BE DISPOSED OF DN-SITE. ALL EXCESS CONCRETE MUST BE CARTED FROM SITE AND DISPOSED OF IN AN APPROPRIATE

REINFORCEMENT:

- 2. REINFORCEMENT IS REPRESENTED DIAGRAMMATICALLY AND NOT NECESSARILY IN TRUE PROJECTION.
- SPLICES IN REINFORCEMENT SHALL BE MADE ONLY IN POSITIONS SHOWN OR OTHERWISE APPROVED IN WRITING BY THE ENGINEER.
- 4. LAPS SHALL BE IN ACCORDANCE WITH AS 3600 AND NOT LESS THAN THE
- WELDING OF RENFORCEMENT SHALL NOT BE PERMITTED UNLESS SHOWN ON THE DRAWINGS OR APPROVED BY THE SUPERINTERDENT.

- 8. ALL REINFORCEMENT SHALL BE FIRMLY SUPPORTED ON MILD STEEL PLASTIC TIPPED CHARS, PLASTIC BAR CHARS OR CONCRETE CHARS AND NOT GREATER THAN 1 METRE CENTRES BOTH WAYS (800 EACH WAY FOR FARRY).
- 9. ALL RE-ENTRANT CORNERS TO HAVE 600 x 600mm N12 L-BARS TIED TO EACH

- RESPONSIBILITY FOR DESIGN, CERTIFICATION, CONSTRUCTION AND PERFORMANCE OF EDBAMPING AND ENISPANCE LIES WITH CONTRACTOR
- DO NOT SUPPORT OR RESTRAIN FORMWORK ON PERMANENT WORKS WITHOUT SUPERINTENDENTS WRITTEN APPROVAL.
- CONSTRUCT FORMACES TO COMPLY WITH ASSETS AND CLAUSE 19.6.2 OF ASSESS WHERE HIS IS MORE STREAMED SO CONDITIE MELL MAKE DIMENSIONES, SHAPE, LOCATION AND FIRMAS SECREDE. PROVICE OFFENDES OF REMOVABLE PARKETS FOR SECRED SHAPE SECRED SHAPE SHAPE
- 5. PROVIDE HOLES IN REPAIR FORMERS ETC AS REQUIRED TO PREVENT AIR ENTRAPMENT.
- 6. CONSTRUCTION TOLERANCES TO BE TO ASSISTE
- STRIP FORMWORK TO ASSECD CLAUSE 19.6. REMOVE FROM THE BOLTS WITHOUT DAMAGNE CONCRETE. PARTS OF BULLS LIGHT IN COVERITE MUST MOT INTRUDE INTO COVER CONCRETE. FLUSH FLUSES USING PRE-MIKED NON-SPENK CEPHATIBLOS REPAR WORTRA MATCHING CONCRETE SURFACE COLOUR, STREMSTH AND DURWELTY AND ABICALTS BOND.

UNDERGROUND UTILITIES AND SERVICES:

- TAKE CAPE OF HAZARDS ASSOCIATED WITH BURED, DONCEALED OR OVERHEAD SERVICES. THE PRECAMBLES TO EXPLIDED LOCATION OF ARE PROTECT WAS ASSOCIATED SERVICES. STATEMENT OF THE TAKE THE PROPERTY LOCATIONS OF SERVICES OF THE TAKE THAT THOSE SERVICES OF SERVICES OF SERVICES OF SERVICES OF SERVICES OF SERVICES.

 CRAMINGS AND ECONOMIC BRITTON ONE METER OF IN-ECONOMIS SERVICES.
- EXISTING UNDERGROUND SERVICES & UTILITIES HAVE BEEN IDENTIFIED IN THE AREA FROM A DAY, BEFORE YOU DIG SERVICES SEARCH. THE CONTRACTOR SHALL OBTAIN QUARRET "DIAL BEFORE YOU DIG" INFORMATION PRIOR TO COMMERCING EXCHANIONS.

SURVEY MARK PROTECTION:

- IN RECEDENCE BY SECRED 24(1) OF the SUBSTRUE AND SHALL WITHOUTDER ACT 2002 A REPORT MAD TO HOME ALL DAVING EXPENDING PROPAGE SIZED ON EDPACE ANY SUMPLY MADE UNLESS AUTHORIZED TO DO SO BY THE SUMPLYFOR COURSE. THE RESIZED ANY PROPAGE DISCRIPTION MOST THAT WAS THE PROPAGED TO ARRIVED THE PROPAGE DISCRIPTION MOST THAT WAS THE PROPAGED TO ARRIVED THE PROPAGED CONTROL WITH THE SEQUENCESTS OF THE TOWN DESCRIPTION OF PROPERTY PROPAGATION.

ALL WORKS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE SHELLHARBOUR ENGINEERING CONSTRUCTION CODE UNLESS OTHERWISE NOTED ON THESE DRAWINGS.

THE RELEVANT SECTIONS OF THE CODE ARE NOTED BELOW:

A ISSUED FOR CONSTRUCTION 26/01/22 ISSUE DESCRIPTION DATE

ISSUED FOR CONSTRUCTION

AZIMLITH: MCA DRAWNS DESIGNED DATE: OCT 2021

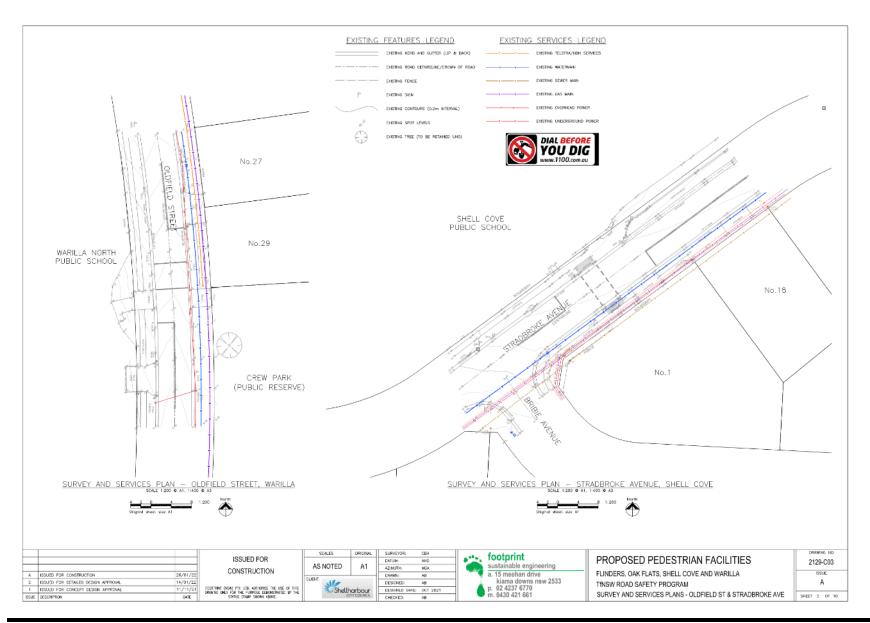


• footprint sustainable engineering a. 15 meehan drive kiama downs nsw 2533

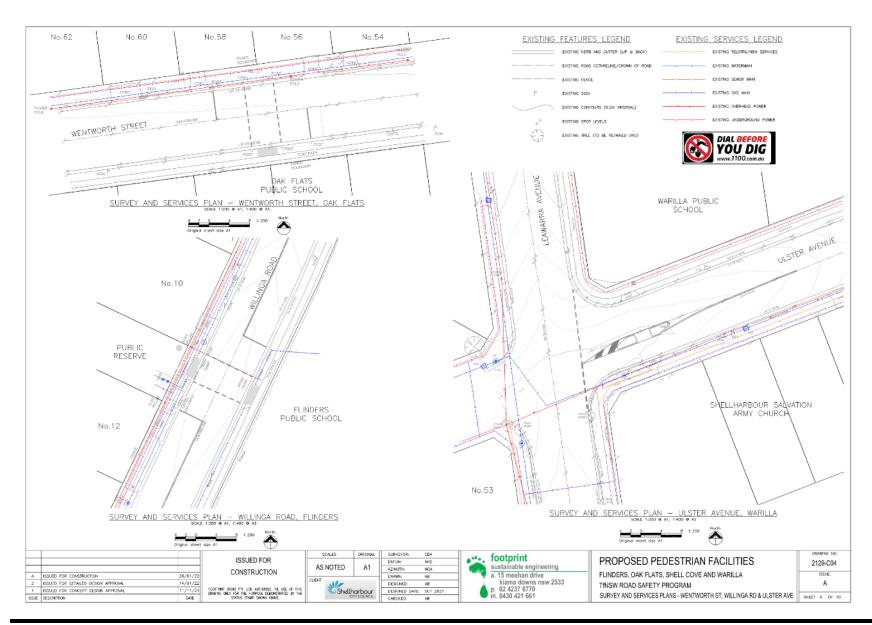
PROPOSED PEDESTRIAN FACILITIES

FLINDERS, OAK FLATS, SHELL COVE AND WARILLA TfNSW ROAD SAFETY PROGRAM

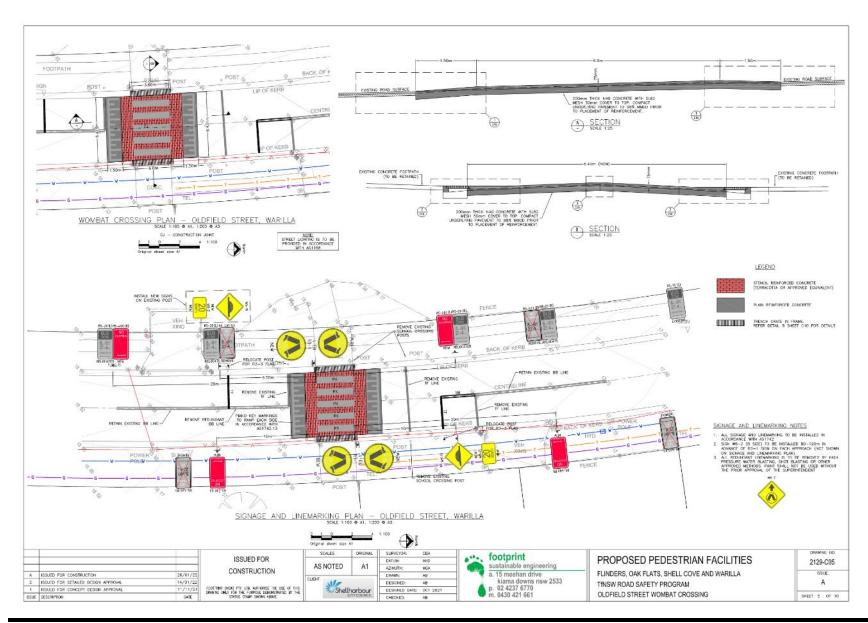
2129-C02 ISSUE Α SHEET 2 OF 10



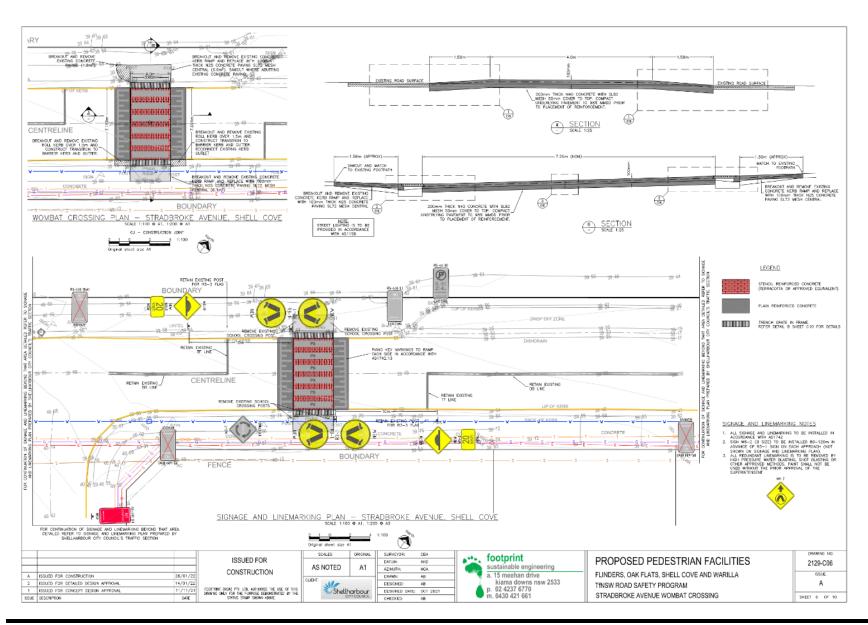
This is page 21 of the AGENDA of the Traffic Committee Meeting of the Council of the City of Shellharbour held Wednesday, 02 March 2022



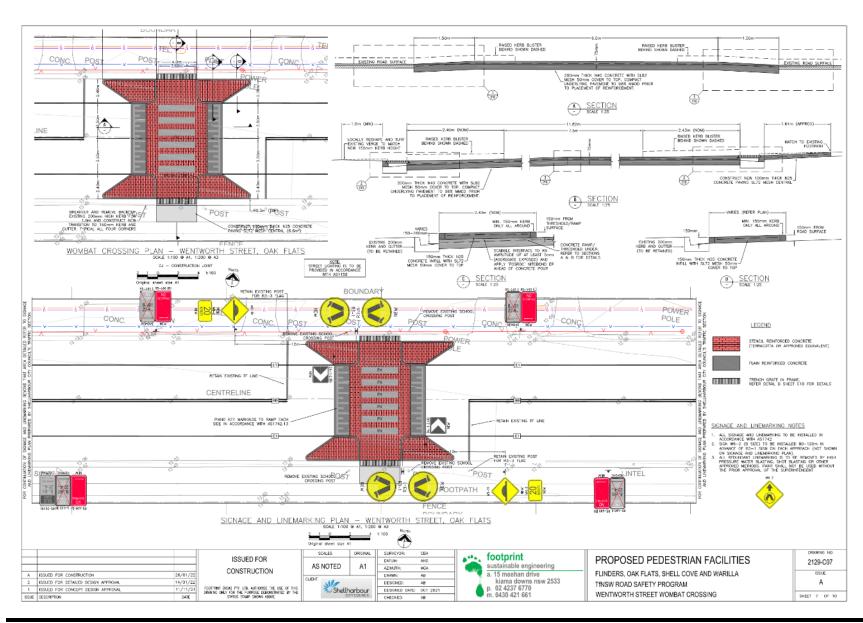
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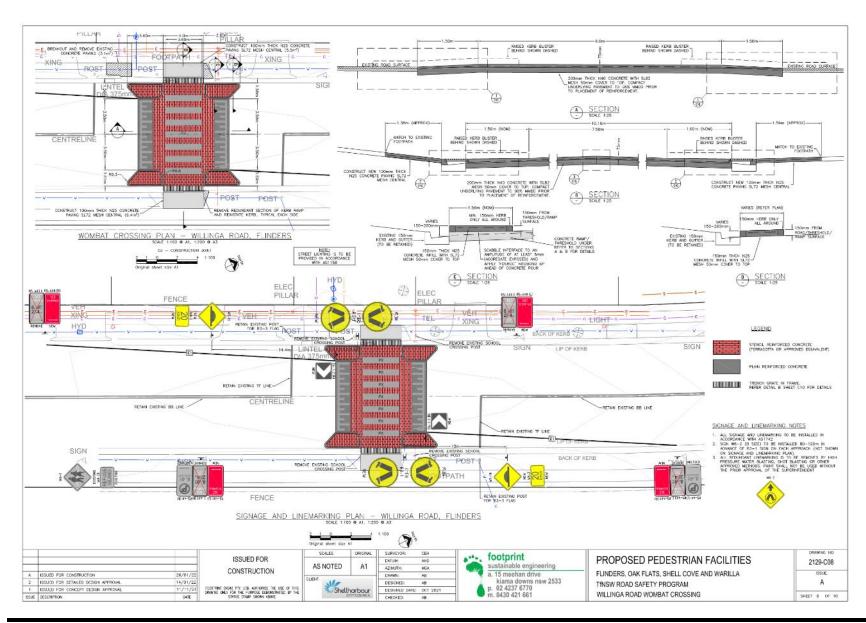
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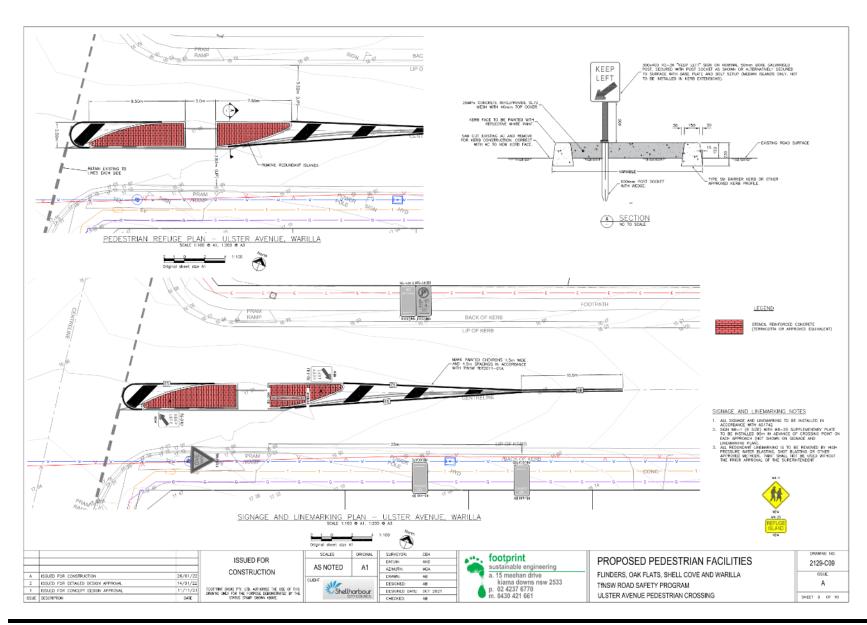
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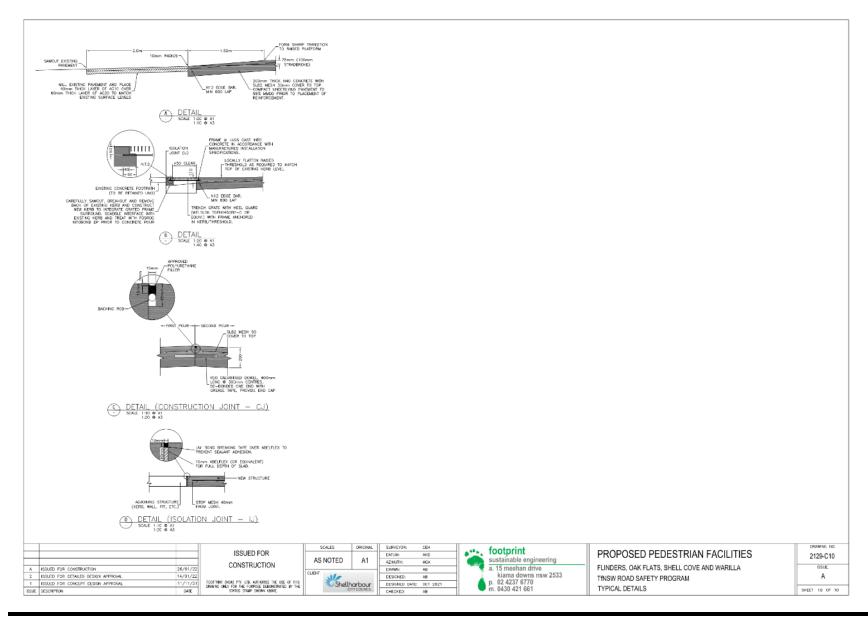
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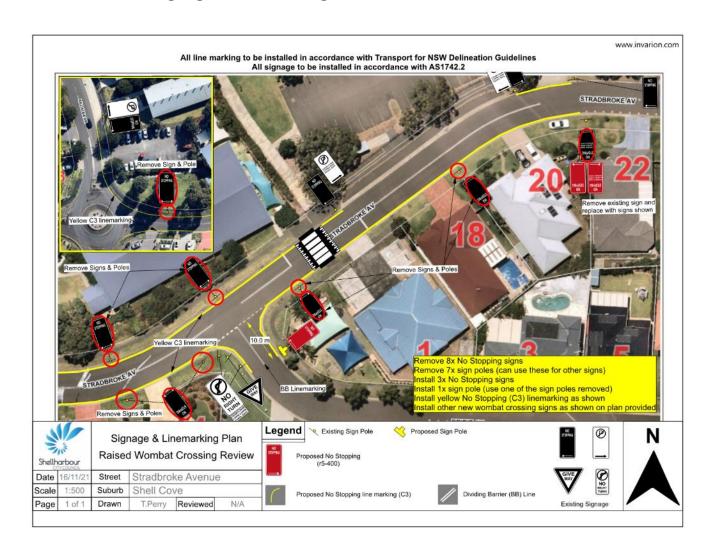


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Attachment 2 - Shell Cove School Signage & Linemarking Plan



Attachment 3 - Oak Flats School Linemarking Plan(1)



8.4. Pedestrian Crossing - Airport Road, Albion Park Rail

To the Chief Executive Officer

Directorate:	Amenity & Assets	
Group:	Built & Natural Environment	
Manager:	Matthew Apolo – Group Manager Built & Natural Environme	
Author:	Tyson Perry – Engineering Technical Officer	

Summary

The purpose of this report is to seek endorsement from the Committee for the installation of a pedestrian crossing at Airport Road, Albion Park Rail (Attachment 1).

Background

Council's Projects team are preparing a detailed design for the Airport Road footpath and pedestrian upgrades. During this work, it was noted that the existing pedestrian crossing nearby was substandard and potentially not endorsed via the Shellharbour Traffic Committee. The main issues at this location are the presence of a merge area for southbound traffic in close proximity to the pedestrian crossing (non-compliant), unclear linemarking, and parking close to the pedestrian crossing. A signage and linemarking plan (**Attachment 2**) has been prepared to address the non-compliant elements at this location. Please note that the illustration of the 'No Stopping' signage on the plans is a non-standard sign. The recommendation of this report has requested that standard signage be installed.

Financial / Resources Implications

If approved, works will be carried out and funded by Council

Legal and Policy Implications

Pedestrian crossing will be revised to ensure compliance with Australian Standards.

Public / Social Impact

- Clearer traffic flow direction for road users with improved delineation and signage
- Increased crossing safety by providing chevron linemarking at the centre of the pedestrian crossing (reduced crossing length)

Link to Community Strategic Plan

This report supports the following objectives and strategies of the Community Strategic Plan:

Objective:	1.2	Active and healthy	
Strategy:	1.2.1	Provide access to services and facilities where people can live, learn and play	

Objective:	2.3	A city that is connected through places and spaces		
Strategy:	2.3.3	Provide and promote a sustainable, safe and connected transport network		
	2.3.4	Facilitate the development of the built environment to meet community needs		

Consultations

The following consultations were undertaken:

Internal

- Manager Floodplain and Transport
- Senior Transport Engineer
- Manager Compliance & Regulation
- Acting Road Safety Officer
- Manager Projects

External

Nil.

Political Donations Disclosure

Not Applicable

Committee Recommendation

That Council approve the signage and linemarking plan at Airport Road, Albion Park Rail as shown in Attachment 2 subject to:

- 1. the 'No stopping' sign on approach to the pedestrian crossing (southbound traffic) being relocated closer (in-line) with the parking lane edgeline.
- 2. all 'No Stopping' signage (r5-400) be in accordance with Transport for NSW Standard Signs.

Approved By

Approved for Council's Consideration:	Matthew Apolo
Date of Meeting:	2 March 2022

Attachments

- 1. Locality Plan
- 2. Signage & Linemarking Plan

Attachment 1 - Locality Plan



Attachment 2 - Signage and Linemarking Plan



Technical Memorandum

February 14, 2022

То	Bree Hoek	Tel	61 2 9239 7164
Copy to		Email	jayme.akstein@ghd.com
From	Jayme Akstein	Ref. No.	12566960
Subject	Shellharbour Signage and Line Marking Plan		

1. Background

GHD was engaged by Hutchinson Builders to prepare a Signposting and Line Marking Plan for the Shellharbour Airport Project (formally known as the Illawarra Airport New Terminal and Car Park Upgrade) located in Albion Park Rail, Shellharbour City, New South Wales (see Figure 1). The plan is required to satisfy Condition 40 of the Client's Development Application (DA). The condition states that the plan must detail all facilities, signage and line marking required within and surrounding the development.



Figure 1 Site Location Image Source: Metromap 2021

→ The Power of Commitment

6960

Purpose of this technical memorandum

This technical memorandum is prepared to accompany the signage and line marking plan, outlining the design process and documenting the standards and assumptions of the plan.

3. Assumptions and Limitations

The preparation of this plan relied on the following data sources or was limited by the following:

- Drawings provided by Client:
 - 19202-CD-AR-0100(10) SITE PLAN.dwg
 - 19422_CC_C100.dwg
- Illawarra Regional Airport Passenger Terminal DA Traffic and Parking Assessment (GHD, 2018)
- Illawarra Airport New Terminal and Car Park Upgrade Short term parking amendment (GHD, 2019)
- No site inspection was undertaken.

4. Design Development

Signage and line markings provide visual guidance to road users for efficient and safe journeys. They provide advice on restrictions, ease traffic flow, help identify potential hazards on the road, and reduce possible occurrence of accidents and damages to property. Hence, planning and designing appropriate signs and markings are important for road safety.

The Shellharbour Airport Signage and Line Marking Plan was designed in accordance with the following relevant standards.

- Australian Standard: Manual for uniform traffic control devices Part 10: Pedestrian control and protection, 2009
- Roads and Transport Authority: Delineation Section 4 Longitudinal markings, 2015
- Roads and Transport Authority: Delineation Section 6 Transverse markings, 2010
- Roads and Transport Authority: Delineation Section 7 Transverse lines pedestrian facilities, 2010.

Based on the above standards, the following signs and pavement markings are proposed in the plan as presented in the Attachment:

- Pedestrian crossing sign (R3-1)
- Pedestrian crossing ahead warning sign (W6-2)
- "No stopping" signs (R5-100R, R5-400L)
- "Stop" sign (R1-1A)
- Lane line (L3)
- "Stop" line (TF).

Additionally, the existing pedestrian zebra crossing (PX) is proposed to be extended to road edge to reduce conflict between pedestrian and vehicle movements. This would entail removal of four (4) on-street parking spaces along Airport Road.

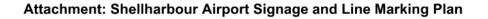
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5. Conclusion

The prepared signage and line marking plan was designed to comply with the Australian Standard AS1742.10:2009 and would likely improve the safe and efficient operation of vehicles at the car park, and minimise conflicts between pedestrian and vehicle movements.

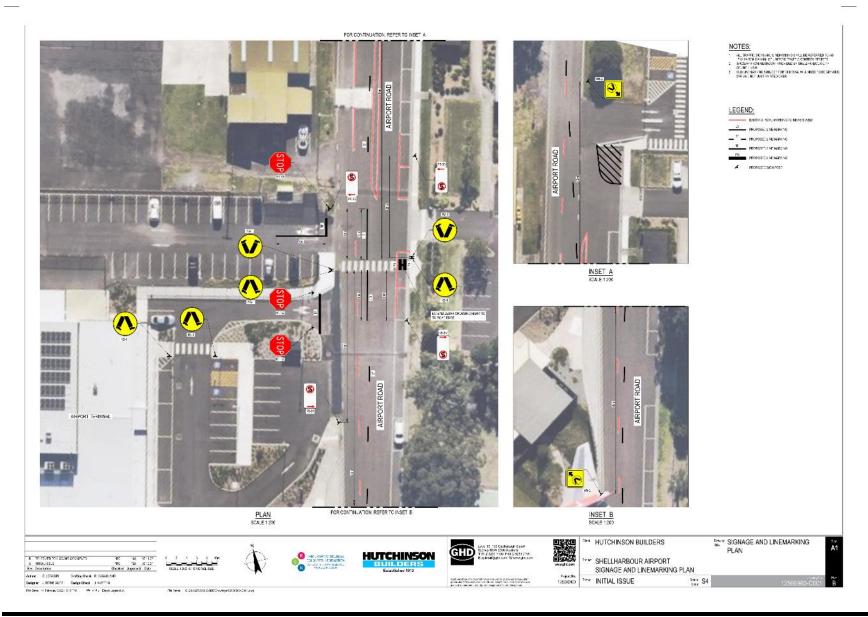
Jayme AksteinBusiness Group Leader Traffic Engineering and Transport Planning

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This is page 39 of the AGENDA of the Traffic Committee Meeting of the Council of the City of Shellharbour held Wednesday, 02 March 2022

8.5. Run Shellharbour Event

To the Chief Executive Officer

Directorate:	Amenity & Assets
Group:	Built & Natural Environment
Manager:	Matthew Apolo – Group Manager Built & Natural Environment
Author:	Wayne Wilson - Senior Transport Engineer

Summary

The purpose of this report is to seek endorsement from the Committee for temporary road closures to facilitate the Run Shellharbour event on 1 May 2022.

Background

Run Shellharbour is a one day running festival to be held on 1 May 2022. The event will incorporate a 21.1 km Harbour Half Marathon. The start and finish area will be located in the southern end of Eric Creary Park, Shellharbour. The event will use the shared path along Reddall Parade, heading under Windang Bridge and return back to Eric Creary Park (Attachment 1). The run course will consist mainly of shared footpath and a short distance of road running which will require partial closures along Junction Road, Shellharbour/Barrack Point and Shell Cove Road, Barrack Point. A Traffic Management Plan (Attachment 2) and a Traffic Control Plan (Attachment 3) have been supplied by the organisers of the event. These plans are the same as those submitted to the November 2021 Traffic Committee for the event last year.

The event is expected to attract 800 competitors. Road closures are proposed to include the following:

- Junction Road, Shellharbour/Barrack Point There will be a partial temporary road closure along Junction Road from the Shellharbour Surf Club to Surfrider Caravan Park at the commencement of each race. Vehicle access to the caravan park will not be impacted. Road closures will occur at the beginning of each race, for 15 minutes as the race begins. The event will begin at 6:30am, to avoid peak recreation visitors to Reddall Reserve. Junction Road will not be closed for the conclusion of races as runners will use the footpath along Junction Road to return as the field will naturally spread out during the run. (Attachment 3)
- Shell Cove Road, Barrack Point To ensure the safety of the competitors there
 will be a half road temporary closure along Shell Cove Road. Contra flow will

be in operation from 6am for the duration of the event, which is expected to conclude at approximately 10:30am (**Attachment 3**).

Financial / Resources Implications

If approved, works will be carried out and funded by the proponent.

Legal and Policy Implications

Nil.

Public / Social Impact

Minor traffic delays expected to motorists during event.

Link to Community Strategic Plan

This report supports the following objectives and strategies of the Community Strategic Plan:

Objective:	2.3	A city that is connected through places and spaces					
Strategy:	2.3.3	Provide and promote a sustainable, safe and					
		connected transport network					

Consultations

The following consultations were undertaken:

Internal

- Manager Floodplain and Transport
- Manager Compliance & Regulation
- Road Safety Officer

External

Nil.

Political Donations Disclosure

Not Applicable

Committee Recommendation

That Council:

- 1. Approve the temporary closure of Junction Road, Shellharbour and Barrack Point as detailed in the report and shown in Attachment 3
- 2. Approve the temporary partial closure of Shell Cove Road, Barrack Point as detailed in the report and shown in Attachment 3

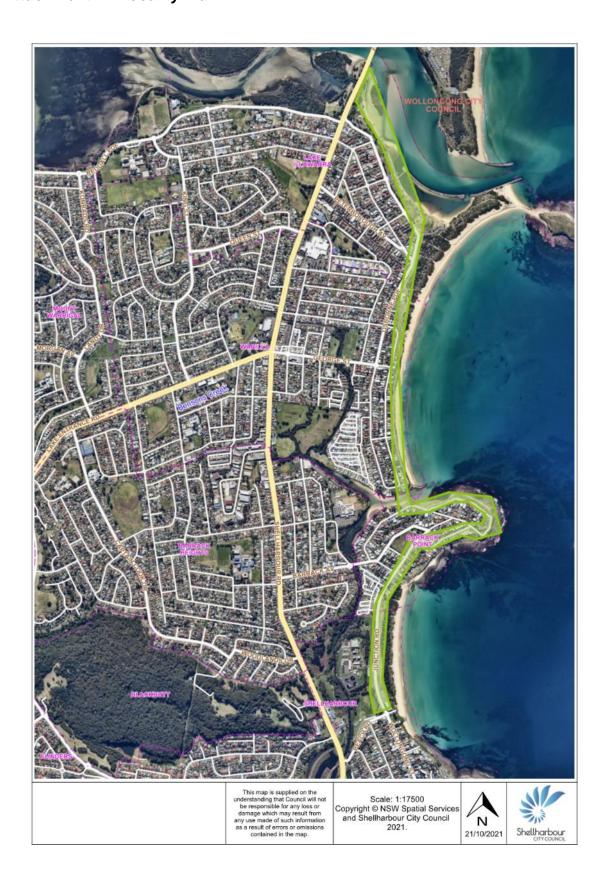
Approved By

Approved for Council's Consideration:	Matthew Apolo		
Date of Meeting:	2 March 2022		

Attachments

- 1. Locality Plan
- 2. Traffic Management Plan
- 3. Traffic Control Plan

Attachment 1 - Locality Plan



Attachment 2 - Traffic Management Plan

RUN SHELLHARBOUR

2021

SUNDAY 5 DECEMBER 2021

TRAFFIC MANAGEMENT PLAN

Traffic Management Plan – Run Shellharbour

Sarah Hallam - 5/10/2021

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PART 2 Traffic Arrangements

PART 3 Maps

PART 4 VMS Strategy

PART 5 Operational Manual

PART 6 Contact List

PART 7 Traffic Control Plans

PART 8 Risk Assessment

Traffic Management Plan – Run Shellharbour

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PART 1 Event Overview

TMP Event Overview

Event Name:	Run Shellharbour 2021		
Event Date:	5 December 2021		
Time:	0700 - 1430		
Location:	Eric Creary Park		
Event Organiser:	Kao Kreative		
TMP Version:	Version 1		
Revision Date:	5/10/2021		
Document Author:	Sarah Hallam		

This Traffic Management Plan reviewed by:

Shellharbour City Council:	1	1	
NSW Police:	1	1	
Roads & Maritime Services (if required – see below):	1	1	

Authority of the TMP

This Traffic Management Plan (TMP) when reviewed by the above relevant authorities becomes the prime document detailing the traffic and transport arrangements under which the Run Shellharbour will proceed.

Changes to the TMP require the approval of the above relevant authorities. All functional or single agency supporting plans (if any) are to recognise the primacy of this TMP and nothing contained in those plans may contravene any aspect of the TMP

In the case of emergencies, or for the management of incidents, the NSW Police are not subject to the conditions of the TMP but will make every effort to inform the other stake holders of the nature of the incident and the Police response.

Roads and Maritime Services (RMS) approval is required if the proposed event is to be held on or will impact upon a State Highway or Classified Road (see list below), or is within 100 metres of a Classified Road or any traffic signals. The applicant must also obtain a Road Occupancy Licence (ROL) from Roads & Maritime Services (RMS) and must comply with all conditions of the ROL.

 $Traffic\ Management\ Plan-Run\ Shellharbour$

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Planning Contacts									
Organiser		Courtney Beaton		Pos	ition:	Kao Kreative			
Phone:			Fax:				Mobile:	0466420669	
Address:									
E-mail: courtney@ka		ey@kao	kreative.co	om.au					
Shellharbo Council	ur City	Meliss Scozz		Posit	tion:	Team	Team Leader		
Phone:	02 422	1 6069	Fax	:			Mobile:		
Address:	76 Cyg	gnet Ave	Shellharb	our Ci	ity Ce	ntre NS	W 2529		
E-mail:	Meliss	a.scozza	afava@she	ellharb	our.n	sw.gov.	<u>au</u>		
NSW Police	е	Craig	Gray Position: Senior Constat			Constable			
Phone:	02 423	32 5599	Fax	:			Mobile:		
Address:	6 Pion	eer Drive	e Oak Flat	s NSV	V 2529	9			
E-mail:	Gray1	cra@poli	ice.nsw.gc	ov.au					
		_							
Roads & M Services	aritime				Posit	ion:			
Phone:			Fax	:			Mobile:		
Address:									
E-mail:									
Other cont	acts				Posit	ion:	ı		
Phone:			Fax	:			Mobile:		
Address:									
E-mail:									

Mission

This document – Traffic Management Plan (TMP) aims to provide a plan for vehicular traffic and pedestrian control measures to assist in delivering safe logistical support of Run Shellharbour event planned to take place Eric Creary Park on Sunday 5th December 2021. The underlining objective is to minimise safety conflicts between vehicles and pedestrians and disruption to normal vehicular and pedestrian traffic on all approaches to Eric Creary Park.

The objectives of this TMP are:

- To provide a high level description of the various traffic management elements needed to make the event a success
- Ensure effective separation between event patrons and participants from vehicular traffic
- To provide a framework for each agency to use to develop their own lower level plans
- To serve as the key document that is agreed to by all parties and is the final approval to conduct the event.
- · Minimise impact on non-event community and emergency services

Situation Analysis

On Sunday 5th December 2021, there will be Run Shellharbour event held on Eric Creary Park that will require altered traffic arrangements.

Run Shellharbour is a one day running festival to be held on Sunday 5th December 2021. The event incorporates 42.2, 21km, 10km, 5km races and untimed 1km distance event. Run Shellharbour is in its second year and is aimed at all levels of runners who want to experience a fast and flat course that takes in the stunning beautiful scenery of the Shellharbour Coastline.

The start and finish area will be located in Eric Creary Park with the run course routes heading north as far as the Windang Bridge and as far west as the Oak Flats Skiway Park. Each race is out and back and will consist of laps.

Traffic Control measures included in this document is a result of consultation undertaken by KAO Kreative, Shellharbour City Council, NSW Police & RMS (if required).

Traffic Management Plan – Run Shellharbour

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TRAFFIC ARRANGEMENTS

Traffic control measures include simple hard and soft road closures, use of traffic control devices (traffic signs) to warn motorist of the changes in traffic conditions. It is noted that per NSW Workplace Health & Safety (WHS) law the Event Organiser – KAO Kreative and Land Owners – Shellharbour City Council, RMS (if required), bear individual and shared risks related to the safety of event patrons and motorist. KAO Kreative is identified as being responsible for event related safety risks which are associated with non-transferable WHS statute-posed obligations and Common Law Duty of Care provisions. In this context, KAO Kreative should continue to actively consult and take all reasonable measures to practically exercise their duty of care obligations.

Risk Assessment

Part 8 of this document includes the completed risk assessment for the event.

Execution

General Outline

The event requires highly coordinated efforts from a number of agencies:

KAO Kreative

- Co-ordinates the logistics for holding the event, Venue Management / Event
 Production / Stage Management / Marshalling / Programming
- Arranges advertising for road closure locations, times, other traffic disruptions
 / delays and alternative route information in the Local News paper if required.
- Prepares the Traffic Management Plan
- Provides traffic information signposting as identified in the TMP and associated Traffic Control Plan(s) (TCPs).
- Provides resources and traffic management infrastructure for traffic control and road closures as identified in the TMP
- Monitors traffic on all roads approaching Eric Creary Park to minimise traffic congestion on the day.

NSW Police

 May provide resources in the case of emergencies, or for the management of incidents.

Traffic Management Plan – Run Shellharbour

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Survey of Route

Item	Verified ⊠ □	Action Taken
All one way streets are as described	⊠ Yes ☐ No	
Block access to Church on Sunday	Yes No	
Block access to local businesses	Yes No	
Block Ambulance access	☐ Yes No	
Block fire station access	☐ Yes No	
Block heavy vehicle access	☐ Yes No	
Block hospital access	Yes No	
Block local resident access	☐ Yes No	
Block Police vehicle access	☐ Yes No	
Block Public facility (football oval, carpark etc)	Yes No	
Block public transport access	☐ Yes No	
Can route use alternatives such as bicycle tracks, paths, parks, bush tracks etc?	☐ Yes No	
Construction – existing, proposed that may conflict	Yes No	
Distance measured is correct	⊠ Yes ☐ No	
Lane widths	⊠ Yes □ No	
Local access	⊠ Yes ☐ No	
Numbers of lanes are as described	⊠ Yes □ No	
Restricted movements – banned turns, heavy/high vehicles	Yes No	
Road signage – existing/temporary	⊠ Yes ☐ No	
Route impeded by traffic calming devices?	☐ Yes No	
Signalised intersections (flashing yellow? Point duty?	Yes No	
Tidal flows	☐ Yes ☐ No	N/A
Traffic generators – shopping centres, schools, churches, industrial area, hospitals	⊠ Yes □ No	
Traffic signals are as described	⊠ Yes ☐ No	
Turning lanes are as described	⊠ Yes ☐ No	

Traffic Management Plan – Run Shellharbour

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Road Closures

Part 2 (Traffic Arrangements) of this document provides details of proposed road closures during the event.

Maps showing road closures are in Part 3 (Maps) of this document.

Contingency Plans

This section of the Traffic Management Plan describes the contingency plans for the event. The contingency plan checklist identifies all possible issues/risks that may interfere with the event and the action to be taken to minimise the disturbance of the event.

 $Traffic\ Management\ Plan-Run\ Shellharbour$

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Contingency Plan checklist

Issues/Risks	Applicable	Action Taken
Heavy Weather	⊠ Yes □ No	See attached Contingency Plan
Lightening, hail, etc.	⊠ Yes □ No	See attached Contingency Plan
Poor Lighting	⊠ Yes □ No	See attached Contingency Plan
Flood hazard on the route	⊠ Yes ☐ No	See attached Contingency Plan
Flood hazard at the parking area	⊠ Yes □ No	See attached Contingency Plan
Parking during Wet weather	⊠ Yes □ No	See attached Contingency Plan
Bush fire hazard	⊠ Yes ☐ No	See attached Contingency Plan
Accident on the route	⊠ Yes ☐ No	See attached Contingency Plan
Breakdown	⊠ Yes ☐ No	See attached Contingency Plan
Absence of marshals and volunteers	⊠ Yes □ No	See attached Contingency Plan
Absence of traffic signs crew	⊠ Yes □ No	See attached Contingency Plan
Block public transport access	⊠ Yes ☐ No	See attached Contingency Plan
Slow participants	⊠ Yes □ No	See attached Contingency Plan
Delayed Event	⊠ Yes □ No	See attached Contingency Plan
Cancellation of Event	⊠ Yes ☐ No	See attached Contingency Plan
Security of participants	⊠ Yes ☐ No	See attached Contingency Plan
Security of very important persons (VIP's)	⊠ Yes □ No	See attached Contingency Plan
Dual purpose bridge	⊠ Yes ☐ No	See attached Contingency Plan
COVID-19	⊠ Yes ☐ No	See attached Contingency Plan

Traffic Management Plan – Run Shellharbour

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A Risk Management approach shall be an integral part of the planning for Run Shellharbour event. The risk, identification, assessment and control process is a legal obligation (as per the NSW Workplace Health and Safety Act and Regulation) and should be compliant with AS/NZS ISO 31000:2018. The event organiser is responsible for the management of risks arising from Run Shellharbour.

It shall be noted that Traffic Management Plan (TMP) and particularly Traffic Control Plans (TCP) are seen as risk control measures, but alone they cannot substitute and AS/NZS ISO 31000:2018 – compliant and detailed event Risk Assessment.

Barricade Locations and Road Closure Times

Refer to Part 2

Traffic Control

- All traffic control including the placement and removal of barricades and/or
 regulation of traffic is to be carried out in accordance with the requirements of
 the approved Traffic Control Plan and is to be undertaken by either Police or
 Traffic Controllers appropriately trained in accordance with the requirements
 of AS1742.3 and giving consideration to the RMS's Traffic Control at Worksite
 Manual.
- Consistent with the requirements of the WH&S regulations; in determining the appropriate resourcing for the event including placement of traffic controllers in accordance with the approved Traffic Control Plan, the event controller (or traffic control supervisor) must consider a traffic controllers age, experience and level of competence to complete any tasks assigned as well as ensure that the extent of information, instruction and training provided to all traffic control resources is appropriate to complete their tasks safely.

Media

There will be publicity about the event with our associated supporter and partners. 14 days prior to the event information about the events road closures will be available on all social media platforms and websites relating to the event.

Traffic Management Plan - Run Shellharbour

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On-road Event Infrastructure

Ambulances

Emergency access lanes have been provided to allow emergency access to road closures areas.

Medical

There are 4 paramedic onsite for the duration of the event, at Eric Creary Park.

Port-A-Loos

If any port-a-loos are required insert details. There will be 6 port-a-loos and 1 accessible toilets in Eric Creary Park.

Cleaning/removal/disposal

There will be wheelie bins and skips positioned at various locations at event central. During the event there will be staff servicing the area.

Barricades

Road closure barriers will be installed by Accredited Traffic Controller.

Public Transport Management

Bus services will be notified of our event and will adjust/continue to use their normal route when it safe to do so with some small delays.

Volunteers and Event Marshals

Volunteers and Event Marshals are given a verbal induction on arrival, provided with Hi-Vis vests and contacts of Event Staff and Medical Staff. Volunteers and Event Marshals are placed on the course by the staff member in charge with specific instructions on what their role involves in their position. Communications between volunteers and staff will be done throughout the day vis mobile phone for breaks and any other issues.

Event Signage

Advanced notification and event signage per legislative requirements will be placed at key entry points to the affected area. A letterbox drop at all affected residences and businesses will be carried out.

Variable Message Signs

N/A.

Access – Local Residents, Business, Emergency vehicles

Local Resident and Business Access

Traffic Management Plan – Run Shellharbour

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All access for residents will be maintained throughout the day when its safe to do so.

Emergency Vehicle Access

The road closures allow for emergency vehicle access. NSW Ambulance, Police and Fire Brigade will be informed of changed conditions by KAO Kreative.

Parking

Dedicated on-site parking is available for this event.

Other Considerations

Television

Television crew may be present on the day but will have zero impact on the roads.

Major Hotels and Other Businesses

N/A

Attachments

 $Traffic\ Management\ Plan-Run\ Shellharbour$

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PART 2 Traffic Arrangements

SPECIAL EVENT TRAFFIC ARRANGEMENTS

ROAD CLOSURES

The following road closures will be in place:

 Junction Rd – Between Beach Rd, Shellharbour and Iluka Rd, , Barrack Point from 7:00am to 11am

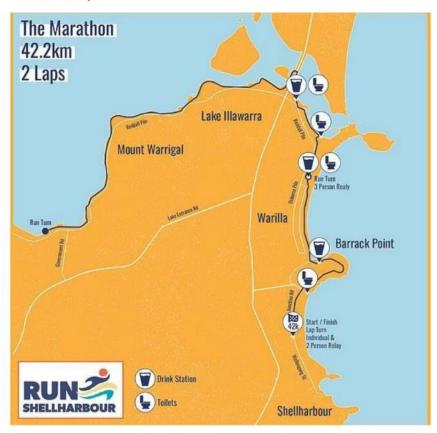
Contra Flow will be place from 7am for the duration of the event on:

Shell Cove Rd – Between Cliff Ave and Barrack Ave.

 $Traffic\ Management\ Plan-Run\ Shellharbour$

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PART 3 Maps



Traffic Management Plan – Run Shellharbour

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PART 4 VMS Strategy N/A

Traffic Management Plan – Run Shellharbour

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PART 5 Operational Manual

Please see attached document

Traffic Management Plan – Run Shellharbour

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PART 6 Contact List

Run Shellharbour							
NAME	ACTING FOR	PHONE	MOBILE	EMAIL			
Courtney Beaton	Events, KAO Kreative		0466 420 669	courtney@kaokreative.com.au			
Sarah Hallam	Traffic Director, Elite Energy	02 4423 7775	0475 008 153	sarah@eliteenergy.com.au			
Fiona Mitchell	Ambulance NSW, Clinical Operations	02 9779 3833		Fiona.Mitchell3@health.nsw. gov.au			

Traffic Management Plan – Run Shellharbour

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PART 7 Traffic Control Plans See attached TCP-RS-2021

Traffic Management Plan – Run Shellharbour

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PART 8 Risk Assessment See attached SWMS

Traffic Management Plan – Run Shellharbour

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Attachment 3 - Traffic Control Plan

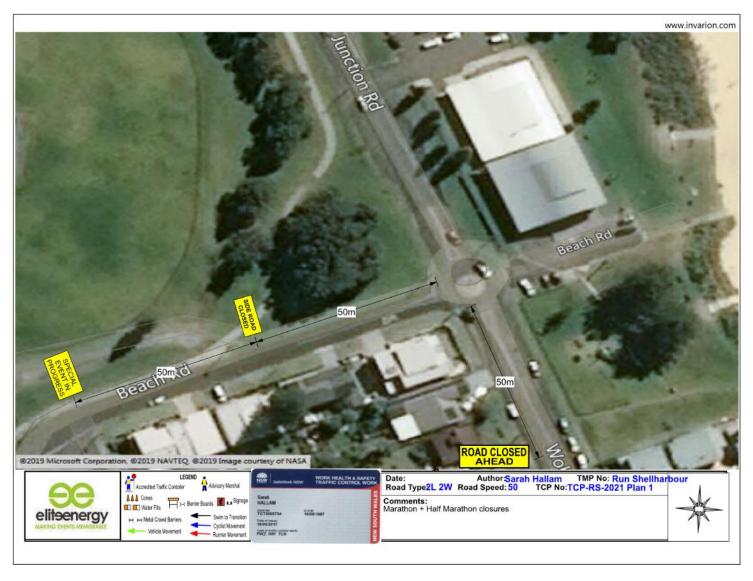
www.invarion.com

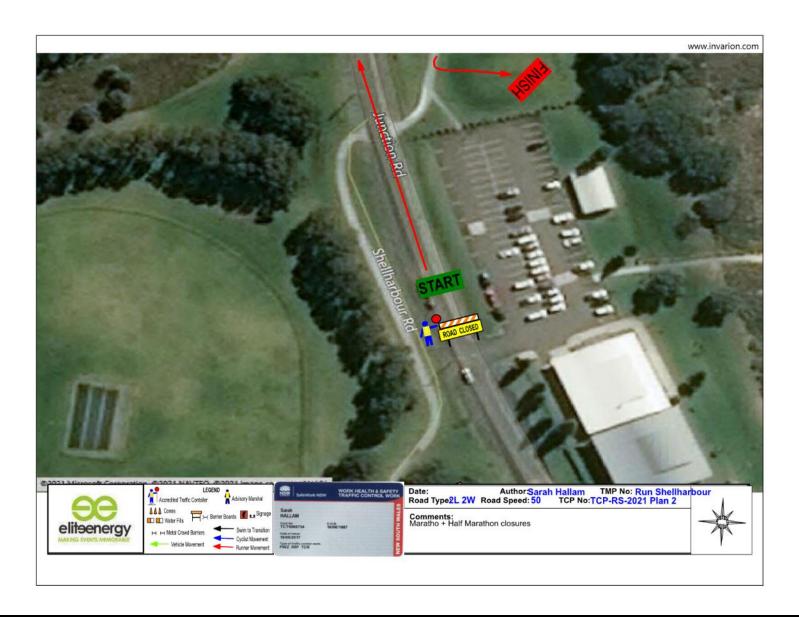
RUN SHELLHARBOUR

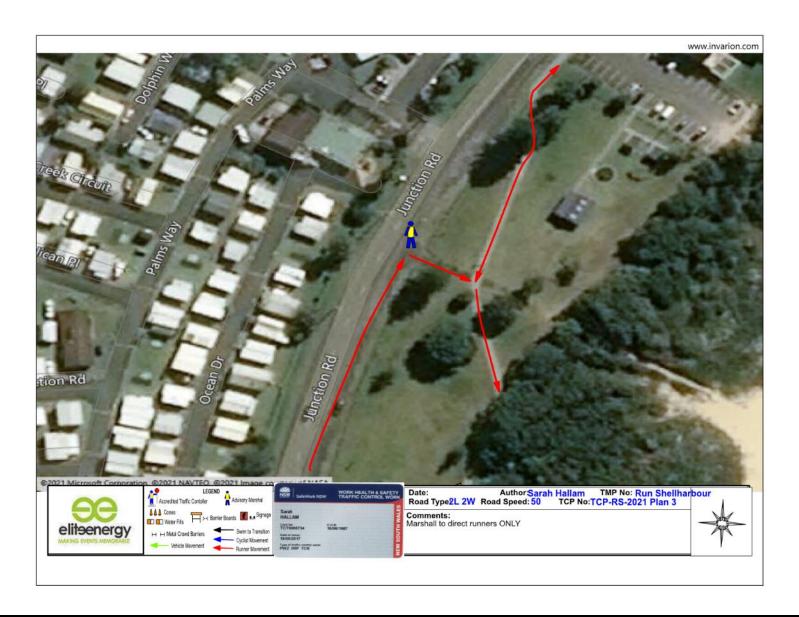
Traffic Control Plan

TCP-RS-2021 (Plans 1 - 12)

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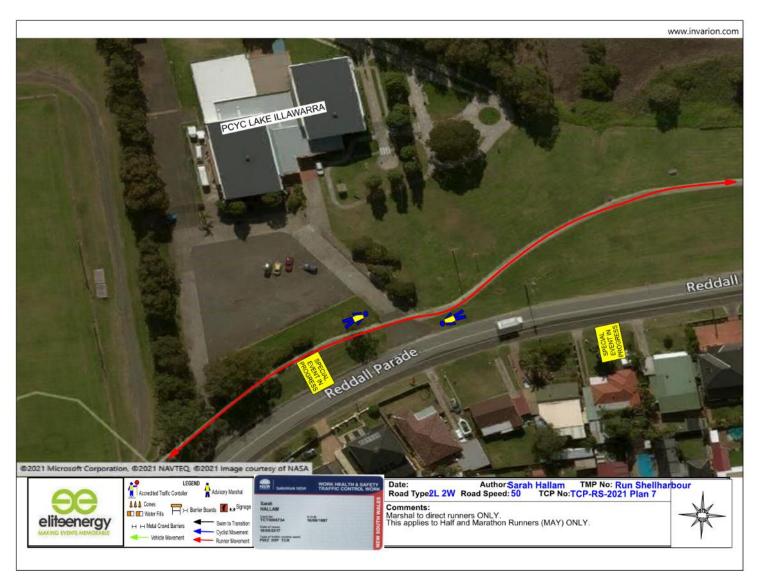














N.

8.6. Signage & Linemarking Plan - DAM0139/2021

To the Chief Executive Officer

Directorate:	Amenity & Assets	
Group:	Built & Natural Environment	
Manager:	Matthew Apolo – Group Manager Built & Natural Environment	
Author:	Wayne Wilson - Senior Transport Engineer	

Summary

The purpose of this report is to seek endorsement from the Committee for the signage and linemarking plan for the subdivision under construction adjacent to Paul Circuit, Tullimbar (Attachment 1).

Background

A new section of the Tullimbar subdivision is being constructed. The developer is required to submit a signage and linemarking plan to the committee for approval. The provided plans (**Attachment 2**) identify proposed signage and linemarking as submitted by the developer. To ensure the cul-de-sac is kept clear to reduce the need for larger vehicles (such as waste collection vehicles) to reverse, suggested changes to the submitted plan are illustrated in **Attachment 3**. It is also noted that Paul Circuit is expected to be widened to 8m as part of this development consent.

Financial / Resources Implications

If approved, works will be carried out and funded by the developer.

Legal and Policy Implications

Nil.

Public / Social Impact

Additional parking restrictions on Paul Circuit.

Link to Community Strategic Plan

This report supports the following objectives and strategies of the Community Strategic Plan:

Objective:	2.3	A city that is connected through places and spaces
Strategy:	2.3.3	Provide and promote a sustainable, safe and connected transport network

Consultations

The following consultations were undertaken:

Internal

- Manager Floodplain and Transport
- Senior Transport Engineer
- Manager Compliance & Regulation
- Road Safety Officer

External

Nil

Political Donations Disclosure

Not Applicable

Committee Recommendation

That Council approve the signage and linemarking plan as part of DAM0139/2021 as shown in Attachment 3.

Approved By

Approved for Council's Consideration:	Matthew Apolo
Date of Meeting:	2 March 2022

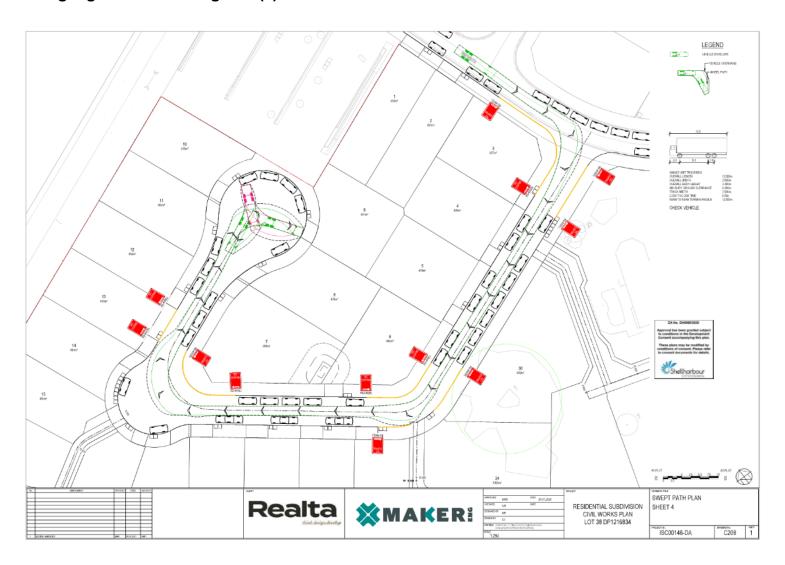
Attachments

- 1. Locality Plan
- 2. Signage & Linemarking Plan
- 3. Proposed Changes to Signage & Linemarking Plan

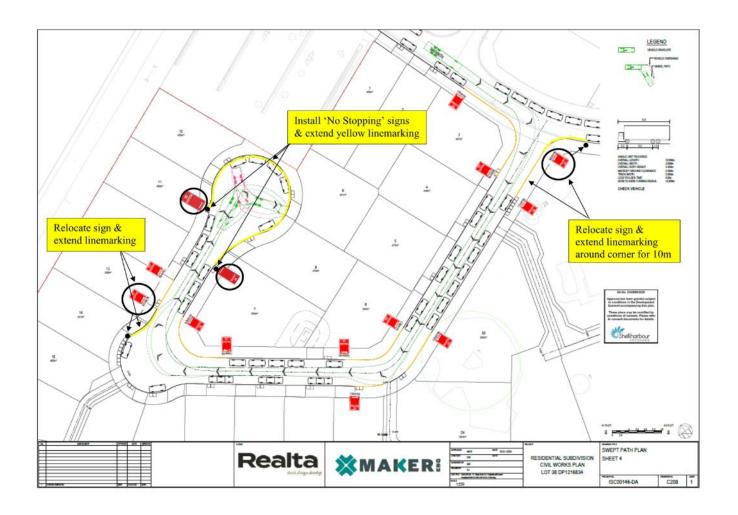
Attachment 1 - Locality Plan



Attachment 2 - Signage & Linemarking Plan(2)



Attachment 3 - Proposed Changes to Signage & Linemarking Plan(4)



8.7. Footpath and Refuge Installation - Boomerang Avenue, Albion Park Rail

To the Chief Executive Officer

Directorate:	Amenity & Assets	
Group:	Built & Natural Environment	
Manager:	Matthew Apolo – Group Manager Built & Natural Environment	
Author:	Tyson Perry – Engineering Technical Officer	

Summary

The purpose of this report is to seek endorsement from the Committee for the installation of a pedestrian refuge (with associated signage and linemarking) on Boomerang Avenue, Albion Park Rail (**Attachment 1**).

Background

Council's Asset Strategy team has recently completed the detailed design for the installation of a footpath linking Princes Highway to Shellharbour Airport. As part of these works, a pedestrian refuge (with associated signage and linemarking) is proposed to improve pedestrian safety when crossing Boomerang Avenue, Albion Park Rail. The signage and linemarking plan for the proposed refuge will be submitted to the Committee in a separate attachment which will be tabled at the meeting and included in the minutes.

Financial / Resources Implications

If approved, works will be carried out by Council with funding expected to be via Phase 1 of the Local Roads and Community Infrastructure Program.

Legal and Policy Implications

Nil.

Public / Social Impact

Improved crossing safety for pedestrians crossing Boomerang Avenue

Link to Community Strategic Plan

This report supports the following objectives and strategies of the Community Strategic Plan:

Objective:	1.2	Active and healthy
Strategy:	1.2.1	Provide access to services and facilities where people can live, learn and play

Objective:	2.3	A city that is connected through places and spaces
Strategy:	2.3.3	Provide and promote a sustainable, safe and connected transport network
	2.3.4	Facilitate the development of the built environment to meet community needs

Consultations

The following consultations were undertaken:

Internal

- Manager Floodplain and Transport
- Senior Transport Engineer
- Manager Compliance & Regulation
- Road Safety Officer
- Manager Projects
- Manager Asset Planning

External

Adjacent businesses (undertaken by Projects team)

Political Donations Disclosure

Not Applicable

Committee Recommendation

That Council approve the installation of a pedestrian refuge (with associated signage and linemarking) on Boomerang Avenue, Albion Park Rail as shown in the signage & linemarking plan illustrated within the March 2022 Traffic Committee minutes.

Approved By

Approved for Council's Consideration:	Matthew Apolo
Date of Meeting:	2 March 2022

Attachments

1. Locality Plan

Attachment 1 - Locality Plan



9. General Business

10. Items for Information

10.1. Shellharbour City Festival of Sport

Item for Information

The Shellharbour City Festival of Sport is an annual two day sport based event established in 1998. The confirmed dates for this year's event are Saturday 5 March and Sunday 6 March 2022.

The Waterfront Ride & Run (or walk) is planned to commence from Keith Hockey Oval Shellharbour at 8:00am and is split into 2 events, (**Attachment 1**).

The course will start and finish at Keith Hockey Oval Boollwarroo Parade with the ride commencing at 8:00am and travelling south along Boollwarroo Parade to the shared path, then along the shared path to John Street / Darley Street to the Shellharbour Pool. This will require the temporary closure of a section of Darley Street and John Street, opposite the Shellharbour Pool between 8:00am and 9:00am, (Attachment 2). The ride will continue along the shared path to Elliott Lake Bridge and return.

The Run (walk) will commence from Keith Hockey Oval, Shellharbour then into Shell Cove along Seafaring Way, Brigantine Drive (all roads are currently closed to traffic) to Whimbrel Terrace, then onto Aquatic Drive to the shared path to Harbour Boulevard, across Harbour Boulevard, then south along Harbour Boulevard to Ocean Front Drive, then north to the Shell Cove Marina, then around the Marina to Aquatic Drive (Attachment 3).

Road safety messaging consistent with Share the Path etiquette will be used on corflute board placed along the event route. Barriers will be used in low risk areas with minimal traffic especially early in the morning. The intersections at both Boollwarroo Parade and John Street will be marshalled by ticketed controllers, whilst marshals will be at all relevant crossings along the route to ensure direction and safety.

The southern section of the carpark adjacent to the Shellharbour ocean pool will be closed to motorists between 8.00am and 9.00am. All affected residents will be informed of the event via letterbox drop and a VMS will be in place one week prior to the event to inform motorists of event route information and road closures.

Approved By

Approved for Council's Consideration:	Matthew Apolo
Date of Meeting:	2 March 2022

Attachments

- 1. Aerial Map
- 2. TCP for Bike Ride
- 3. TCP of Run/Walk

Attachment 1 - - Aerial Map

Attachment 1

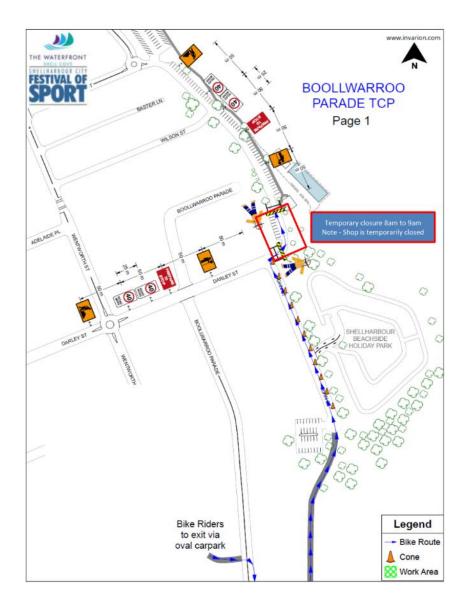
Aerial map showing proposed route- Note - roads highlighted in yellow are not currently open to traffic.

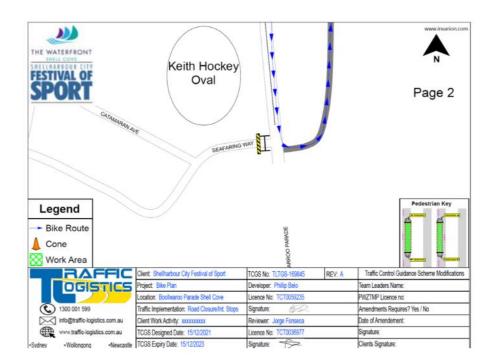


Attachment 2 - TCP for Bike Ride

Attachment 2

TCP for bike ride

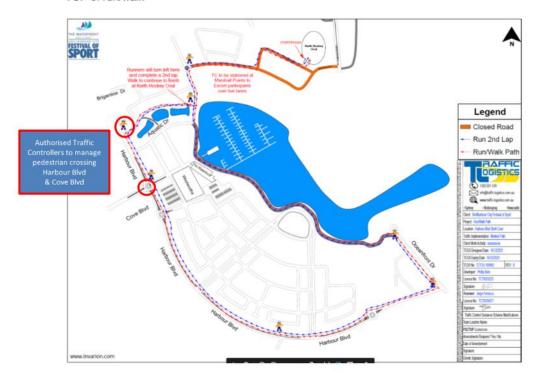




Attachment 3 - TCP for Run-Walk

Attachment 3

TCP of run/walk



10.2. Police Matters

Item for Information

Can Police please note the following items, raised by the community for potential future patrols:

- 1x report of vehicles driving southbound on Escarpment Drive and accessing Excelsior Drive (right hand turn) via the use of a pedestrian refuge. Lendlease has committed to installing a bollard/rail at the subject location to deter behaviour.
- 1x report of speeding at Brunderee Road, Flinders
- 1x report of speeding on O'Gorman Street, Albion Park
- 1x report of speeding on Pioneer Drive, Flinders
- 1 x report of speeding on The Esplanade, Oak Flats
- 1 x report of speeding and hooning on Lake Entrance Road, Oak Flats
- 2 x reports of illegal petrol powered bikes in Blackbutt Reserve/Shellharbour Road, Blackbutt. Residents concerned for safety as motorbike riders were abusive and often speed past other users of the reserve.
- 1x report of speeding, hooning and cutting the corner when turning right off Captain Cook Drive into Messenger Road, Barrack Heights
- 1x report of speeding on Crest Road, Albion Park

Approved By

Approved for Council's Consideration:	Matthew Apolo
Date of Meeting:	2 March 2022

Attachments

Nil.

11. Next Meeting

Date: 6 April 2022