



Construction Traffic & Pedestrian Management Sub-Plan

Armidale Secondary College

NBRS Architecture



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For 30 years, we've been at the centre of the Australian development and infrastructure industry. Our unique combination of acoustics, data, traffic and waste services is fundamental to the success of any architectural or development project.

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Revision Record

| No. | Author | Reviewed | | Description | Date |
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1 Introduction

1.1 Background

TTM Consulting was engaged by NBRS Architecture to prepare a Construction Traffic & Pedestrian Management Sub-Plan (CTPMSP) for works at Armidale Secondary College. The recommendations from this plan will be implemented during the construction phases at the existing Armidale High School.

1.2 Scope

This CTPMSP will be used as a guide for co-ordination of all road users during the construction works, including maintaining public vehicle access around the site. Traffic control and safety measures outlined in this report are intended to assist in maintaining a safe environment for both site workers and members of the public.

The scope of this CTPMSP includes the following;

- Location and description of Works;
- Timing and delivery of project;
- Impacts on the road (and pedestrian where applicable) networks, and;
- Location of traffic control devices, works vehicles and traffic controllers (where required).

It is noted that this document sets the overarching framework for the management of construction traffic during the works, however, it is recognised that the plan may need to be reviewed and revised as the project progresses.

1.3 Objective of this plan

This objective of this plan is to provide an overarching strategy for traffic and pedestrian management. It aims to ensure safe and efficient movement of vehicles and pedestrians around the site.

The overarching aim being to ensure a coordinated approach to traffic management and the successful delivery of the program of works, with minimal disruption to road users and the surrounding community.

1.4 Guidelines and Design Standards

The CTPMSP have been developed in accordance with the requirements of the RTA (RMS) Traffic Control at Work Sites Manual (Version 5, issued July 2018).

1.5 Limitations of this plan

The CTPMSP developed by TTM only considers the impact of works on traffic and pedestrians. Impacts on other aspects in the local environment, such as noise, are not considered here and need to be assessed separately and incorporated as necessary.

The CTPMSP is based on advice supplied by Richard Crookes Constructions regarding the expected characteristics and requirements of the construction program.

2 Existing Network Details

2.1 Road network

The subject site has frontage to Butler Street. The roads surrounding the site are maintained and controlled by Armidale Regional Council except for Kentucky Street which is RMS controlled.

The road characteristics are shown in Table 2-1.

Table 2-1: Road characteristics

| Road | Speed Limit | Lanes | Road Authority |
|--------------------------|-------------|---------------|----------------|
| Kentucky Street | 50kph | 2 (undivided) | RMS |
| Butler Street | 50kph | 2 (undivided) | Council |
| Lambs Avenue-Mann Street | 50kph | 2 (undivided) | Council |
| Barry Street | 50kph | 2 (undivided) | Council |
| Miller Street | 50kph | 2 (undivided) | Council |

School zones are present along Kentucky Street, Butler Street, Hargrave Street, Mossman Street and Lambs Avenue-Mann Street with a maximum speed of 40kph. School zones near the school site are shown in Figure 2-1 and Figure 2-2.

A “Bus Zone” (8:00 am – 9:30 am and 2:30 pm – 4 pm, School Days) is present on Butler Street. Bus zone along Butler Street is shown in Figure 2-3.

“No Parking” (8:00 am – 9:30 am and 2:30 pm – 4 pm, School Days) areas are present along the school side of Butler Street allowing car drop-off and pick-ups. No Parking areas along Butler Street are shown in Figure 2-4.



Figure 2-1: School zone along Hargrave Street



Figure 2-2: School zone along Kentucky Street



Figure 2-3: Bus zone along Butler Street



Figure 2-4: No Parking area along Butler Street

2.2 Walking infrastructure

Walking infrastructure includes pedestrian footpaths, children's crossings and pedestrian crossings in the vicinity of the Armidale High School (see Figure 2-5).

There are two children's crossings present across Butler Street. There is a children's crossing near Butler Street – Mossman Street intersection and another one near Butler Street – Hargrave Street intersection. The crossings are shown in Figure 2-6.

The children's crossings will not be operational during constructions stages as the school will be closed to students. Duval High School will be operating as a combined school during this stage and accommodating Armidale High School students.

There will be some changes to the walking infrastructure with the redeveloped Armidale Secondary College. There will be new concrete pathways, kerb ramps, relocation of pedestrian crossings and kerb extensions.

A pedestrian crossing is present on Lambs Avenue which connects the school with the railway crossing. Another pedestrian crossing is present on Kentucky Street providing access to school from the southern boundary. Pedestrian crossings are shown in Figure 2-7 and Figure 2-8.



Figure 2-5: Pedestrian footpath along Butler Street

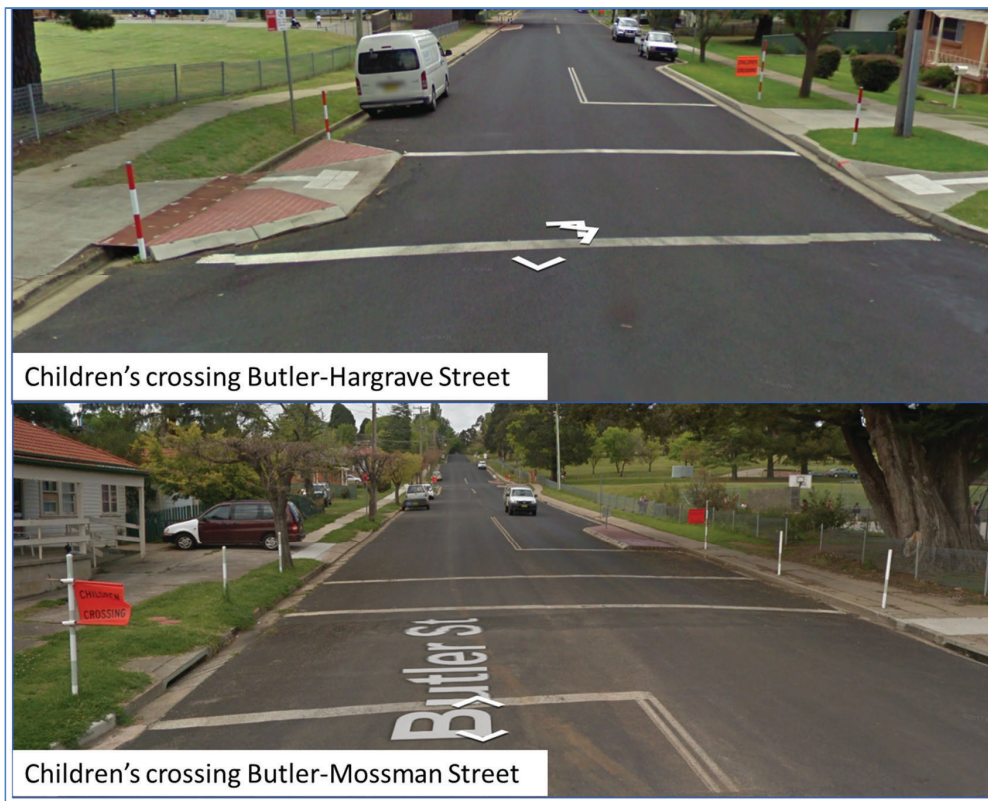


Figure 2-6: Children's crossing across Butler Street



Figure 2-7: Pedestrian crossing on Lambs Avenue



Figure 2-8: Pedestrian crossing on Kentucky Street



Figure 3-2: Aerial image of the site

3.3 Key Personnel and Contact Details

The following are key CTPMSP personnel with contact details:

Principal Contractor Joel Davie
 Richard Crookes Constructions
 (02) 9902 4700 / 0401 296 073
 DavieJ@richardcrookes.com.au

Traffic Engineer Ilona Blackburn
 TTM Consulting Pty Ltd:
 Traffic Consultant (Roads and Maritime Services Prepare Workzone Traffic
 Management Plan certified) Card No.: 0051857257
 (07) 5514 8000
 iblackburn@ttmgroup.com.au

4 Construction Impacts

4.1 Programme

The estimated project duration is shown in Table 4-1.

Table 4-1: Estimated construction duration

| Activities | Duration |
|--------------|-----------|
| Demolition | 12 weeks |
| Excavation | 16 weeks |
| Construction | 18 months |

Demolition and excavation activities have already commenced and practical completion of construction is expected be in early 2021.

4.2 Hours of Operation

The proposed working hours for the project will be as follows:

- Construction Works (including deliveries of materials and equipment) between:
 - 7:00 am to 6:00 pm: Monday to Friday.
 - 8:00 am to 1:00 pm: Saturdays.
 - No work on Sundays or Public Holidays without permission.

4.3 Haulage Routes

During the demolition, excavation and construction stages, vehicle movements for the project will be required to:

- Comply with relevant environment approvals.
- Comply with traffic control plans
- Minimise the number of vehicle movements by optimising materials loads where possible.
- Enter and exit the site in a forward direction.
- Promote safe driving principles.
- Evaluate the need for temporary traffic control.
- Plan on-site vehicle movements.

- Avoid or minimise truck reversing and three point turns on site.

However, the proposed construction vehicle routes as shown in Figure 4-1 will be able to accommodate the construction vehicles. It is expected that all heavy goods such as girders or machinery plant are likely to be delivered outside of peak traffic hours.

The proposed vehicle movement routes are shown in Figure 4-1.

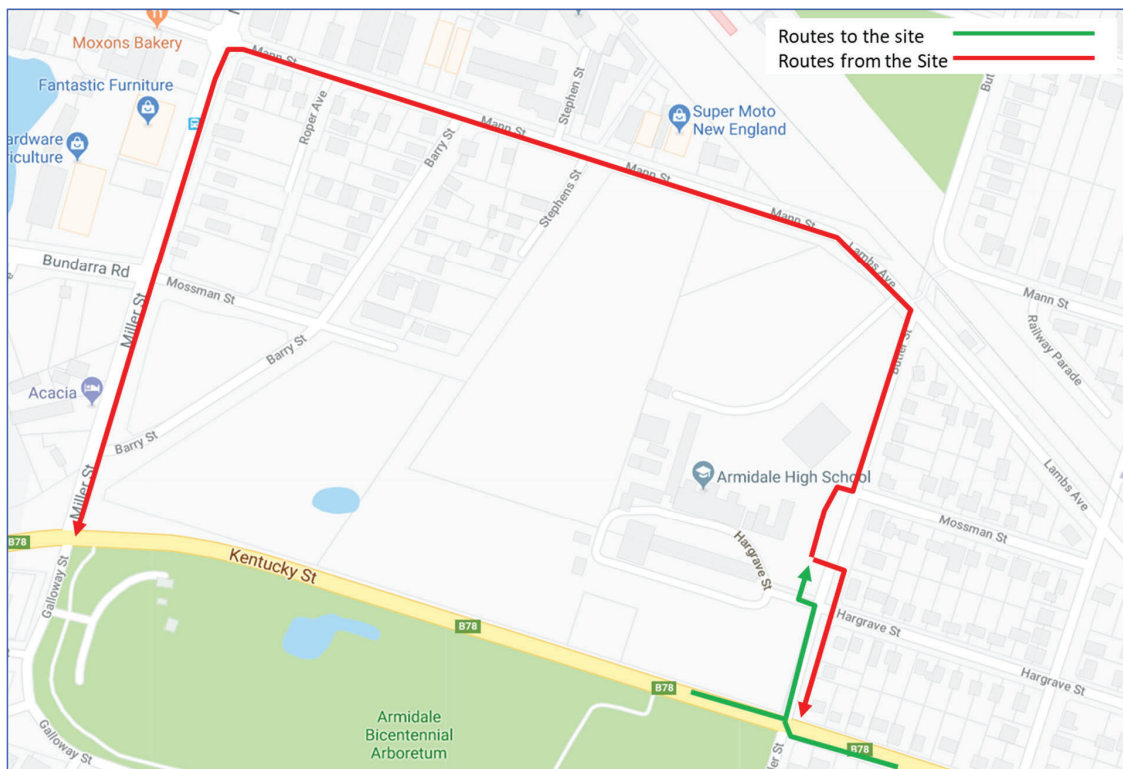


Figure 4-1: Construction vehicle routes

It is proposed that construction vehicles will:

- Arrive at the site traveling from Kentucky Street onto Butler Street. Enter the site via a left turn through the existing entry at the Butler Street/Hargrave St intersection.
- Unload and load within the site boundary.
- Depart from the site via the existing exit at the Butler Street/Mossman Street intersection.
 - Two routes will be used on departure to limit two way interaction of vehicles on Butler Street.
 - Turn left out to travel along Butler Street and Lambs Avenue, then turn left onto Miller Street and exit on Kentucky Street.
 - Turn right out to travel south on Butler Street to Kentucky Street.

The proposed construction access routes satisfy the requirements for anticipated access movements with due consideration to the travelling public.

4.4 Construction Vehicle Impacts

Various types of trucks will access the site. The maximum sized design vehicle will be a truck and dog during demolition and excavation and semi-trailer for material delivery during construction. The typical length of these vehicles is 19 metres.

Construction vehicle activities of the development are over three stages. Average heavy vehicle demand information relating to the works has been provided by RCC. The absolute peak number of trucks expected during a day is 9 vehicles (equivalent to 18 vehicle trips) – with most days averaging much less.

The construction vehicles will enter and exit the subject site in a forward direction.

A breakdown of the various construction vehicles and machinery is shown in Table 4-2.

Table 4-2: Construction vehicles and machinery used on-site¹

| Stage | Construction Vehicles |
|--------------|--|
| Demolition | <ul style="list-style-type: none">• truck and dog, medium rigid vehicles and small rigid vehicle• 20t excavator with bucket• hammer, ripper, bogie for rubbish removal• Other equipment includes 12m³ bins, sweeper and water carts |
| Excavation | <ul style="list-style-type: none">• Truck and Dog, medium rigid vehicles and small rigid vehicle• 20t and 40t excavators• Piling rig allowing 80t for pilling• Small concrete pump and concrete trucks• Dozer, scraper and grater |
| Construction | <ul style="list-style-type: none">• Tower crane, forklift, material hoist, bobcat• 23m³ and 10m³ bins for rubbish removal• 5t Machines, concrete pumps and concrete trucks• Mobile cranes 50-130t• Concrete trucks• Semi-trailers for material delivery |

4.5 Materials Handling and Cranes

Loading and unloading is to occur on-site. There will be various plant and equipment used on site as identified in Table 2-2. A tower crane will also be required on site and the working arm extents will be contained wholly within the site boundary. It is proposed to have concrete pouring within the property boundary.

4.6 Site Parking

Parking is provided for staff on site. This is in accordance as per condition B26 which states 'Prior to the

commencement of construction, the Applicant must provide sufficient parking facilities on-site, including for heavy vehicles and for site personnel, to ensure that construction traffic associated with the development does not utilise public and residential streets or public parking facilities'. The details of this provision has been addressed in a separate letter (Refer to Appendix C).

4.7 Site Fencing

The construction site will be enclosed by fencing/hoarding to prevent access to the property and to protect the public / roadway from construction activities.

4.8 Pedestrian & Cyclists

Pedestrian and cyclist movements around the site will be maintained during the construction works at all times. Boundary fence will be used to limit pedestrian access to the site. Pedestrians and cyclists on the footpath will have the right of way at site access crossings at all times.

If the works methodology changes, in a manner that requires the closure of an existing route, a suitable alternative is to be provided prior to any closure, and relevant authority approvals shall be applied.

Site staff will assist in the management of heavy vehicles are entering or exiting the site to ensure the safety of pedestrians and cyclists in the vicinity.

4.9 Network Impact

The existing and future traffic assessment of Armidale Secondary College has been conducted in a separate Traffic Transport and Accessibility Impact Assessment Report. The results showed that the current intersections configuration is adequate for the existing and future traffic demands for the proposed development. Based on the traffic assessment results, the addition of construction vehicles will not adversely affect the road intersections in terms of capacity and delay – particularly given that the trips associated with an active education site are not being accommodated for as all students and staff have been relocated to Duval High School.

Additionally, there are no major construction activities anticipated for any developments surrounding the site. There will not be any cumulative construction vehicle traffic impacts for the proposed development.

4.10 Construction permits

4.10.1 Works zone

All works activities will be undertaken within the site boundary. A works zone is therefore not required on the frontage of the site.

4.10.2 Road Occupancy License

All works activities will be undertaken within the site boundary with no expected impact on traffic flow.

Should any construction activities be considered to have impact on the operational efficiency of the road

networks. An ROL will be applied for prior to such activities taking place.

5 Mitigation of Construction Impacts

5.1 Emergency Vehicles

Access to the site and neighbouring properties by emergency vehicles will not be affected by the works as all roads and paths at the site frontage will remain open and accessible at all times.

The main point of access for emergency vehicles will be directly via the access at the Butler Street/Hargrave Street intersection. This provides the most effective point to access the site. Alternatively, emergency vehicles will also have access to any of the site gates during and outside work hours if required.

Emergency Services will be advised when any changes are made to the existing traffic management within the area.

Ambulance and emergency vehicles with flashing lights and sirens activated in the vicinity of the site must be given priority passage at all times.

5.2 Unplanned Incidents

The types of emergencies/unplanned incidents that may occur include, but are not limited to:

- motor vehicle crashes/breakdowns.
- terrorist attacks and bomb threats.
- structural/catastrophic failures.
- inclement weather conditions, including flooding.
- anti-social behaviour.

The occurrence of unplanned incidents on the local road network can temporarily restrict Project activities and network operations. The management and response to unplanned incidents on the local road network is not the responsibility of the Project, but where possible and particularly if Project activities are involved, RCC will:

- Apply and maintain communication protocols, particularly between Project sites and emergency services.
- Inform the authorities and emergency services of any incident and provide assistance, if appropriate and possible, for the duration of the incident.
- If resources are available, provide initial response to unplanned incidents with the aim to make incident scene safe, and prevent further harm to persons or property.
- Provide support to emergency services, including traffic control in the vicinity of the incident.

- During major incidents provide a senior representative on-site to liaise with the authorities and emergency service agencies.
- Reschedule planned works that will interfere with the incident or create additional delays to those road users already affected by the incident.
- Disseminate road condition information for distribution to road users.

5.3 Pedestrians and Cyclist Access Management

Haulage vehicles will not impact the movement of pedestrians and cyclists in the vicinity of the site.

Pedestrian and cyclist movements around the site will be maintained during the construction works at all times.

A boundary fence will be used to prevent pedestrian access to the site. Pedestrians and cyclists on the footpath will have the right of way at site access crossings at all times.

Footpaths widths as per existing conditions shall be maintained at all times.

Suitable signage within the site boundary (visible to exiting vehicles) will advise drivers to “watch for pedestrians”.

Cyclists will be governed by the same controls as pedestrians (when travelling on the footpath) and as vehicles (when travelling on the road).

Whilst not proposed during the main construction works, in the event that any construction activities (loading and unloading etc.) do occur on the footpath – relevant Council approval will be sought prior to commencing such activities.

Landscaping and footpath connections from the site to the public network will take place towards the end of the main construction works program. An application will be submitted to Council for construction activities undertaken on the footpath.

5.4 Bus Services

The closest public bus stop is located on Miller Street approximately 900m from the school. It is serviced by Edwards bus route number 483. Bus route 483 is a loop service both starting and ending at Armidale Courthouse on Faulkner Street. The bus route has a frequency of 2 hours starting from 8 am up to 5 pm.

Operation of public transport services and access to facilities will not be impacted by the works.

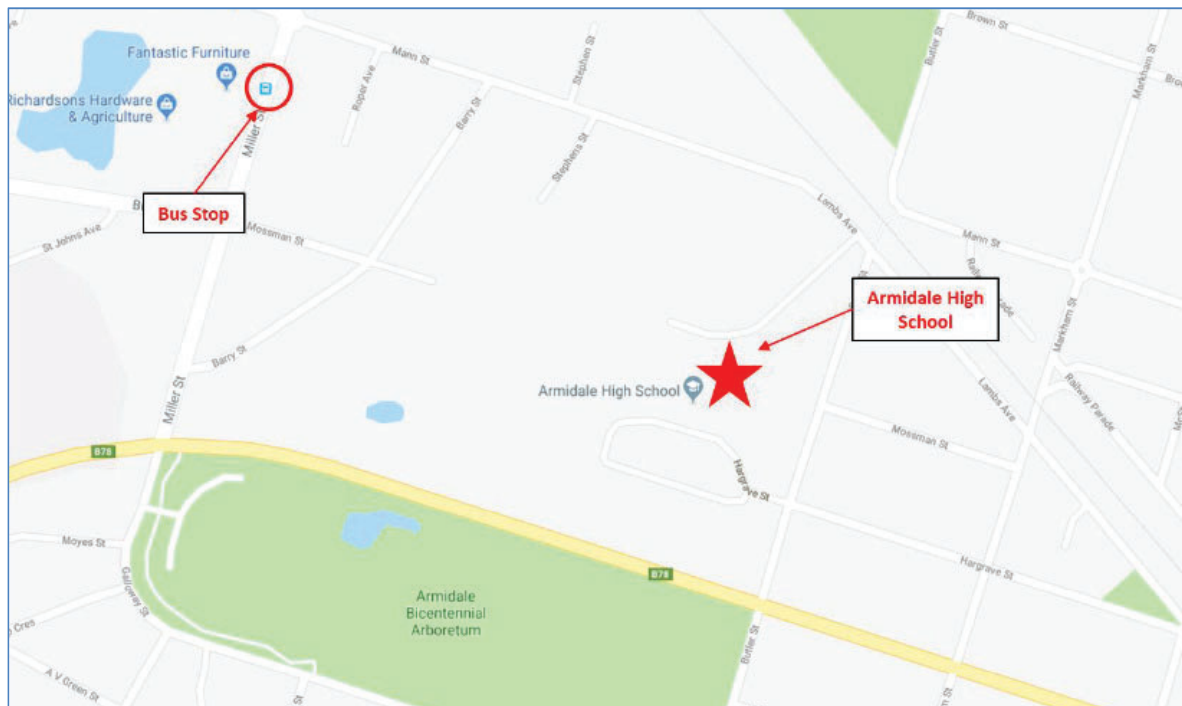


Figure 5-1: Bus stop near the subject site

5.5 Adjacent Properties

Access to adjacent properties will be maintained at all times for all transport modes as per existing conditions.

5.6 Road Network

As shown, the expected traffic generation of the site is up to 9 heavy vehicles per day. This is equivalent to 1 vehicle per hour at each access/egress gate.

Staff accessing the site by private vehicle will be significantly less than that which the school has been assessed to generate as part of the development approval for the site.

There no other major developments in the area undergoing construction that would result in an unacceptable cumulative impact on the network.

5.7 Traffic Control Plans

Traffic Control Plans (TCPs) for access points to the site on Butler Street have been provided by Richard Crookes Constructions for the construction activities. The TCP's indicate the arrangements in place to ensure safe passage of all road users.

The TCP's that are in place have been reviewed and approved by Council. Evidence of Council consultation

and approval is provided in Appendix A with the TCP's.

During the course of the works, vehicles will enter and exit to and from Butler Street. To ensure safe passage of all road users the following management measures are to be in place:

- No queuing or parking/staging of works vehicles permitted on Butler Street or at the frontage of residential properties.
- Qualified traffic controllers to be located as indicated on TCP's.
- When a truck is entering or exiting the site pedestrians will be stopped to limit the potential for conflict.
- Pedestrians are to only be held for short periods to allow vehicles to pass.
- Truck arrivals and departures to and from the site will be staged to limit queuing and the combined noise and visual impact of trucks idling and/or passing near the site.
- Advanced warning signs will be provided on all approaches to the site gates to warn approaching road users of works vehicles operating in the area.

TTM have reviewed the traffic control plans and confirm they are consistent with the provisions of this report.

5.8 Additional Measures for Road User Safety

Additional measures for pedestrian, cyclist and motorist safety in the vicinity of the site are to be implemented. These measures include:

- All personnel working on the site are required to have a site specific induction as per RCC standard work health and safety procedures. The principal contractor will keep a record of all inducted personnel and maintain records for the duration of the works.
- Safety devices (audible and visual) on all works vehicles and plant/machinery being operated within the site.

5.9 Driver Code of Conduct

Management of vehicular access to and from the site is essential to maintain the safety of the general public as well as the labour force.

As part of site induction and standard WHS policy all workers and contractors who drive to and from the site will be required to drive in a safe manner when in charge of a vehicle, with additional attention to any instance of public transport use, heavy vehicle use and pedestrian and cyclist activity. Vehicles may also be fitted with GPS monitoring systems.

Site inductions will also inform workers of other strategies including their implementation, monitoring and reporting as to discourage use of local roads that do not form part of the access route to the Project identified within this CTPMSP.

The following code is to be implemented as a measure to maintain safety within the site:

- Utilisation of only the designated transport routes.
- Drivers to maintain a sufficient distance from the temporary barriers that will be implemented around trees that form part of the endangered plant community.
- Construction vehicle movements are to abide by finalised schedules as agreed by the relevant authorities.
- Ensure drivers of construction vehicles to follow approved routes and ensure appropriate road works signage is implemented to minimize conflicts with other road users. Impact on other road users are detailed in sections 4.8, 5.3, 5.4, 4.9 and 5.6.
- Heavy vehicles to limit the use of compression braking within built up areas to minimise noise impact.
- Ensure that vehicle is not left idling (Engine on) when not in use
- Ensuring that construction vehicles are well maintained and in good working order and not causing unnecessary noise, such as damaged mufflers
- All access hatches to engines to be kept closed

It is intended that any occurrence of traffic incidents or complaints will be recorded within site the safety and environmental management systems and reported to the Site Managers for corrective action.

In the potential event of a complaint, incident or the failure to comply with a requirement set out in the CPTMSP implementation strategy, relevant corrective action will be undertaken which could include the following:

- Traffic patterns will be investigated and traffic will be rescheduled or rerouted if possible;
- Review of the monitoring frequency;
- Repeatedly offending personnel will be identified and educated in the desired mode of operation for the vehicle;
- Appropriate approvals will be sought from relevant authorities where this was not done previously; and
- All issues of non-compliance will be rectified by on-site Management.

RCC shall incorporate procedures that involve a formal management review as part a continuous improvement programme, to ensure its continuing suitability, adequacy and effectiveness.

5.10 Program Monitoring

In accordance with Condition B22f and in order to ensure the CTPMP is working effectively RCC will complete monthly site walks reviewing both the on-site conditions and the actions to be implemented as per this

report. This will ensure that all controls measures are being implement on and around site as per the report and will enable RCC to see where maintenance or additional action may be required.

5.11 Notifications to Residents and Community

During construction, the project team will inform the community of all major impacts including changed traffic conditions or disruption to services. The community and key stakeholders will be informed of changes via a number of means including but not limited to the principal contractor website, directions signage, works notices and letter drops.

Nearby residents were informed of various works during construction through a works notification. This works notification was delivered through letters in the neighbouring resident's mailboxes. The flyers and the locations of the handouts are shown in Appendix B.

5.12 Construction Traffic

RCC will ensure that all construction vehicles (excluding worker vehicles) will be contained wholly within the site, except if located in an approved on-street work zone, and vehicles will enter the site before stopping.

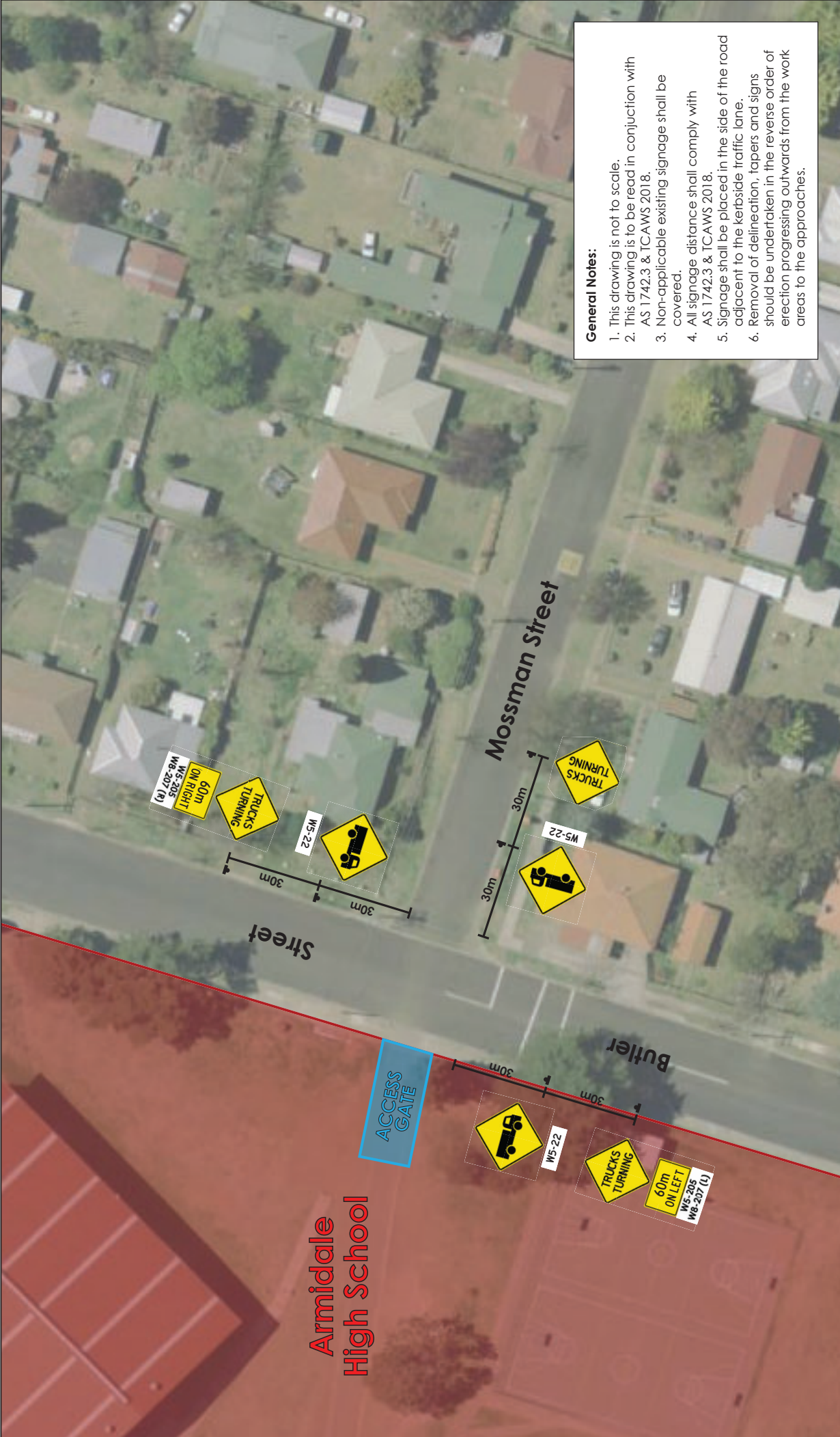
5.13 No Obstruction of Public Way

The public way (outside of any approved construction works zone) will not be obstructed by any materials, vehicles, refuse, skips or the like, under any circumstances. Non-compliance with this requirement will result in the issue of a notice by the relevant Authority to stop all works on site.

5.14 Air Quality Discharges

RCC will install and operate equipment in line with best practice to ensure that the development complies with all load limits, air quality criteria/air emission limits and air quality monitoring requirements as specified in the EPL applicable to the site.

Appendix A Traffic Control Plans




- General Notes:**
- 1. This drawing is not to scale.
 - 2. This drawing is to be read in conjunction with AS 1742.3 & TCAWS 2018.
 - 3. Non-applicable existing signage shall be covered.
 - 4. All signage distance shall comply with AS 1742.3 & TCAWS 2018.
 - 5. Signage shall be placed in the side of the road adjacent to the kerbside traffic lane.
 - 6. Removal of delineation, tapers and signs should be undertaken in the reverse order of erection progressing outwards from the work areas to the approaches.



TRAFFIC & TRANSPORT PLANNERS


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| | | | |
|-----------------|----------------------|--------------|---|
| TCP 1 | | Date: | 01.05.2019 |
| Project: | Armidale High School | Prepared By: | Geoff Higgins |
| Project Number: | 19.207 | Approved By: | Geoff Higgins (0031298737) |
| Client: | Richard Crookes | Signature: |  |




Armadale
High School

- General Notes:**
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 2. This drawing is to be read in conjunction with AS 1742.3 & TCAWS 2018.
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| TCP 3 | | Date: | 01.05.2019 |
|-----------------|----------------------|--------------|---|
| Project: | Armadale High School | Prepared By: | Geoff Higgins |
| Project Number: | 19.207 | Approved By: | Geoff Higgins (0031298737) |
| Client: | Richard Crookes | Signature: |  |

TRAFFIC & TRANSPORT PLANNERS

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TRAFFIX

Council Consultation

Sam Lyons

From: Bayden Blanchette
Sent: Monday, 13 May 2019 4:45 PM
To: Sam Lyons
Cc: Tahlia Rakete; Ellisa Battersby; Mitch McManus
Subject: FW: TRIM: FW: Armidale Secondary College - acknowledgment

Sam,

TCP is approved to install cast in signage, can we please order these signs ASAP, we may need some poles etc also.

Regards,

Bayden Blanchette, WHS&E Advisor

RICHARD CROOKES

CONSTRUCTIONS

Direct 02 9902 4700 | Fax 02 6766 3022 | Mobile 0427 480 062
Suite 1, 493 Peel Street, Tamworth NSW 2340
www.richardcrookes.com.au



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From: Mark Wilson
Sent: Monday, 13 May 2019 4:40 PM
To: Bayden Blanchette
Subject: RE: TRIM: FW: Armidale Secondary College - acknowledgment

Dear Bayden

The proposed traffic control plans are deemed acceptable and endorsed for implementation. I would not two issues.

1. The Lambs Ave / Butler intersection is likely to be of highest risk. Please monitor performance and adjust your TCP if there are any safety concerns.
2. I noted the other day that trucks were queuing in Lambs Avenue. This is generally not an issue but there were two trucks on one side of the road and one on the other. Please ensure that any trucks that queue are restricted to the "correct" side of the road, being mindful of property access etc.

Regards

Mark Wilson

Program Leader Investigations & Design

P 02 6770 3877 **M** 0427 896 568 **F** 02 6772 9275

E mwilson@armidale.nsw.gov.au **W** armidaleregional.nsw.gov.au

135 Rusden Street | PO Box 75A Armidale NSW 2350



[INVESTARMIDALE.COM.AU](http://investarmidale.com.au)

From: Bayden Blanchette [<mailto:BlanchetteB2@richardcrookes.com.au>]

Sent: Monday, 13 May 2019 3:49 PM

To: Mark Wilson

Cc: Tahlia Rakete

Subject: TRIM: FW: Armidale Secondary College

Hi Mark,

As discussed, please find attached TCP for you to review and provide comment.

Regards,

Bayden Blanchette, WHS&E Advisor

RICHARD CROOKES

CONSTRUCTIONS

Direct 02 9902 4700 | Fax 02 6766 3022 | Mobile 0427 480 062

Suite 1, 493 Peel Street, Tamworth NSW 2340

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| | | | |
|----------------|--|------------------------|--------------|
| Date Issued | 22/03/2018 | | |
| Project | DoE, Armidale High School Redevelopment Project | From | David Logan |
| Subject | Traffic Working Group Meeting #02 | Tel | 0459 805 315 |
| Venue | Teleconference | Job No | 2219148 |
| Date / Time | Wednesday 22/03/2018 – 2:00 pm – 3:00 pm | | |
| A - Absent | David Logan DL GHD | A Michael Flynn MF ARC | |
| | Phillip Pitt PP RMS | Rob Shaw RS ARC | |
| | Liz Smith LS RMS | Mark Wilson MW ARC | |
| | Calum Hutcheson CH TTM | Graham Earl GE ARC | |
| | Paul Cai PC TTM | Libby Ure LU NBRS | |
| | Baqir Husain BH TTM | Andrew Duffin AD NBRS | |
| | Roger Lee RL GHD | | |
| Distributed to | All attendees and; James Frost (GHD) / John Perkins (RMS) / Matthew Metlege & Wayne Cooper (DoE) | | |
| Attachments | Nil | | |

| Item | Action / Item | By Who | By when |
|------------|--|--------|-------------|
| 1.0 | General | | |
| 1.1 | The purpose of the meeting was to continue dialogue between relevant stakeholders with relating to traffic issues associated with the Armidale High School Redevelopment Project. This includes impacts due to the Armidale High School (AHS) redevelopment and the temporary accommodation at Duval High School (DHS). | Note | |
| 1.2 | Minutes from meeting #01 were accepted read. | Note | |
| 2.0 | Armidale HS Redevelopment | | |
| 2.1 | The SEARs response from Department of Planning and Environment (DPE) has now been received. A full Traffic Impact Assessment (TIA) is required. | Note | |
| 2.2 | DL is presently awaiting clarification from TfNSW regarding the SEARs requirement for considering the at-level railway crossing on Lamb St. | DL | Ongoing |
| 2.3 | DoE is presently procuring a traffic consultant in accordance with their procurement protocols. It is anticipated that the TIA works will commence Monday 9/04/2018. | Note | |
| 2.4 | Local Traffic Advisory Committee (LAC) were noted as a stakeholder under ARC. The LAC review any changes to regulatory devices on ARC-owned roads (install or removal) and would make a recommendation to ARC. Furthermore, noted that review any changes to regulatory devices on RMS-owned roads (install or removal) would be by RMS. | Note | |
| 2.5 | Council data to assist project would be helpful and a request will be provided for this by the project delivery team (Gipper request). <i>22/03 – NBRS to follow this up with planner for project.</i> | NBRS | ASAP |
| 2.6 | A Questionnaire will be prepared for the AHS TIA to obtain indication about proposed mode of transport to AHS once completed. DL to coordinate survey. | DL | 16/04/18 |
| 2.7 | Noted that any works to RMS roads would be under a Works Authority Deed (WAD) | Note | |
| 3.0 | Duval HS temporary works | | |
| 3.1 | It was noted that the approvals process for Duval is via a CDC. A RMS certificate will be required as part of this process under the <i>Environmental Planning and Assessment Regulations 2000</i> . RMS is happy for certificate to be issued based upon submission of a suitable Traffic management Plan which address: <ul style="list-style-type: none"> – Construction issues – Operational issues for the temporary school | Note | |

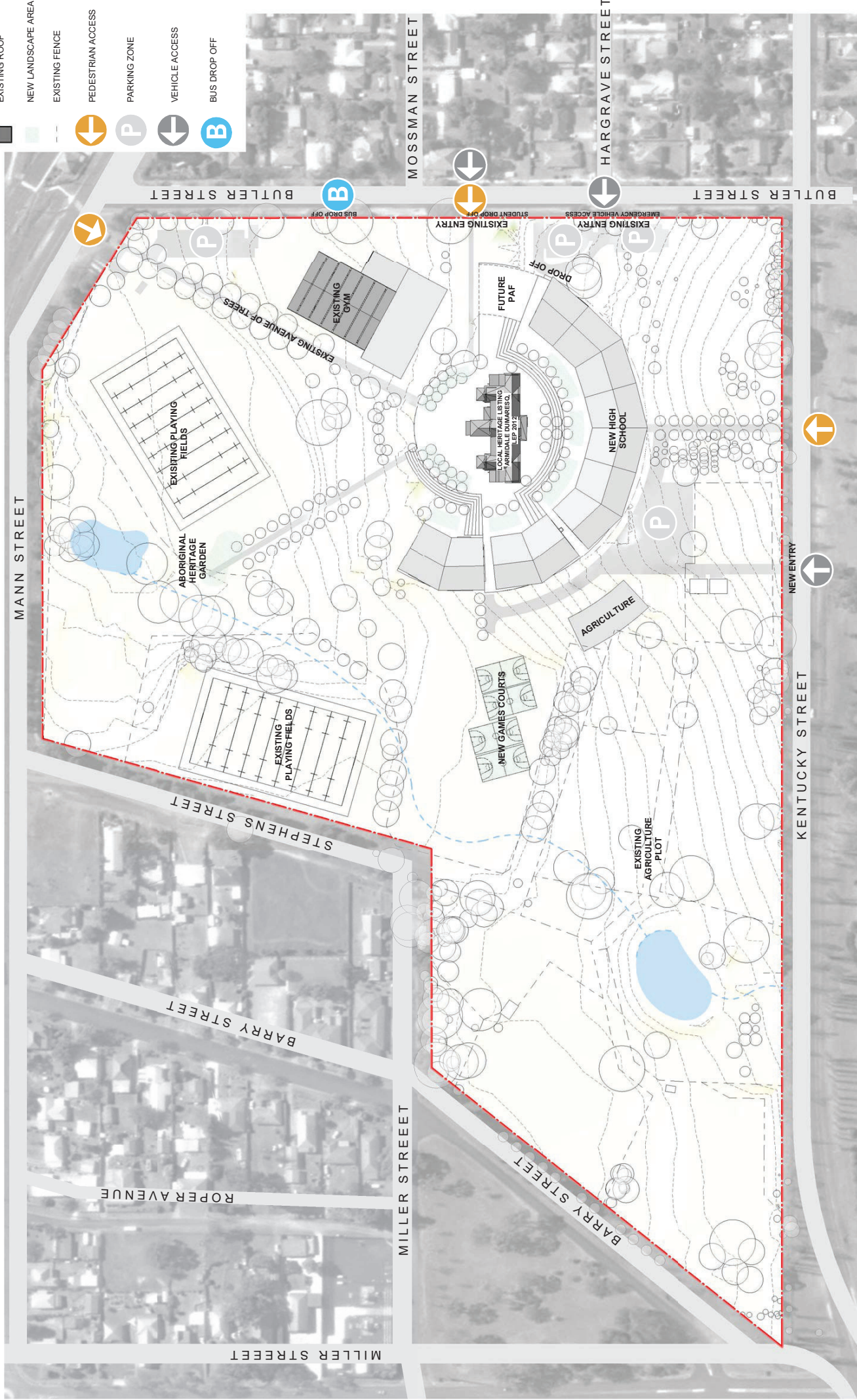
| Item | Action / Item | By Who | By when |
|------------|---|----------|----------------------------|
| 3.2 | DL to issue current Traffic Assessment for DHS by TTM to RMS and Council for comment. RMS to provide update on additional information needed to obtain certificate. | DL | ASAP |
| 3.3 | TTM to prepare fee proposal to update traffic assessment in accordance with 3.2. | PP | |
| 3.4 | TTM to prepare and issue student transport questionnaire to DL. Questionnaire to include: – Current mode of transport to Duval HS / Armidale HS – Proposed mode of transport to Duval HS next year | CH CH | ASAP ASAP |
| | DL to coordinate survey to be undertaken prior to Term 1 holidays. (2 weeks away) | DL | 12/04/18 |
| 3.5 | LS to email list of RMS' concerns for Duval HS to GHD / Council / NBRS / TTM. These were noted to include: – Safety issues relating to separation between drop-off / bus zone / pick-up and street frontage to manage these items – Behavioural control measures – Monitoring controls etc. | LS | 26/03/18 |
| 3.6 | The Duval HS traffic assessment is critical and needs to be closed out within the next 3 weeks to avoid delay to the program. | Note | |
| 3.7 | Council data regarding the Harper St subdivision would be helpful. A Gipper request will be made by the project team planner. <i>22/03 – NBRS to follow this up with planner for project.</i> | NBRS | ASAP |
| 4.0 | Other Business | | |
| 3.1 | Meeting ended at approximately 3:00 pm. | Note | |
| 3.2 | Next meeting will be scheduled for 11/04/2018. DL to issue invite. | DL | 22/03/18 |

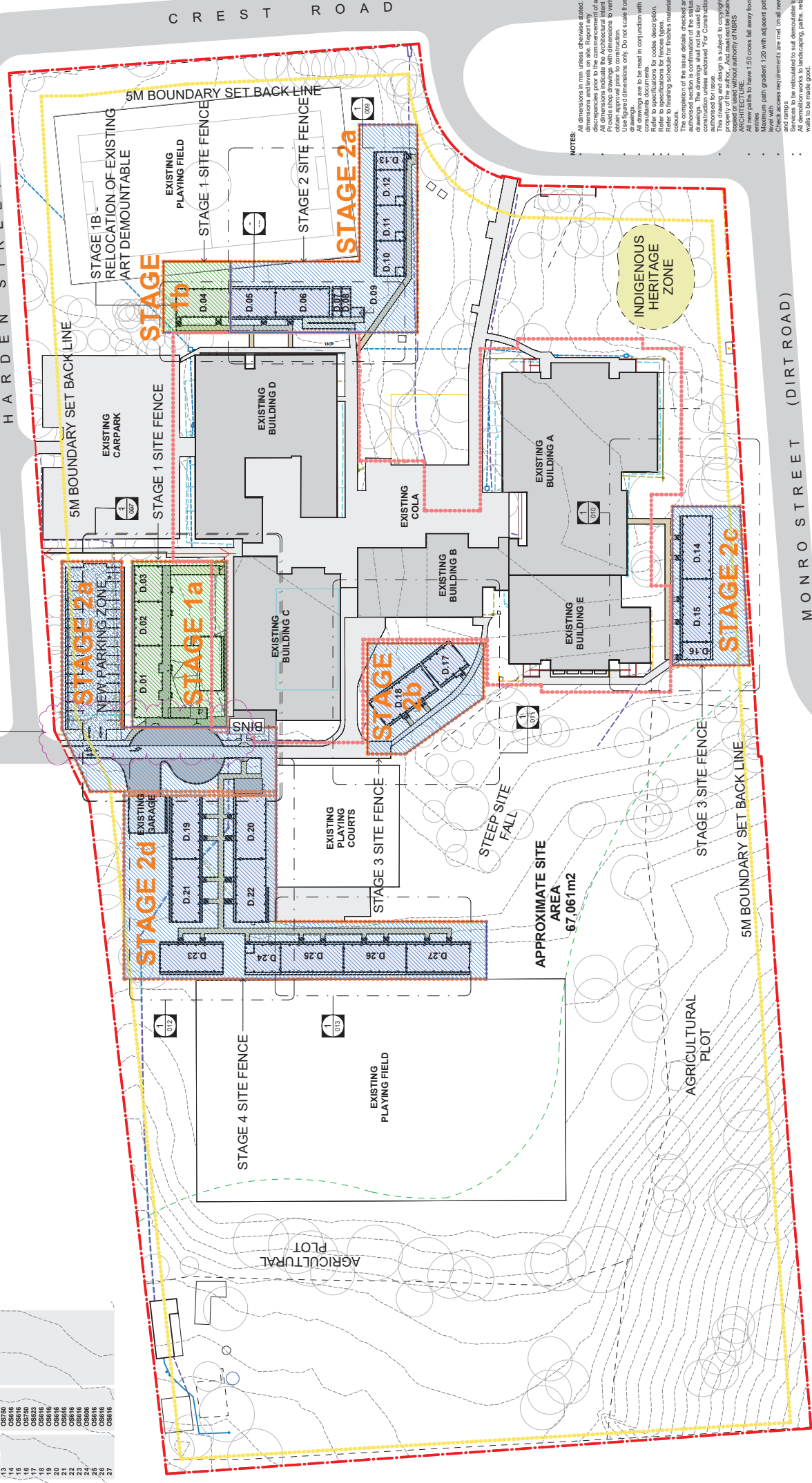
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|----------------|--|---|--------------|
| Date Issued | 03/07/2018 | | |
| Project | DoE, Armidale High School Redevelopment Project | From | David Logan |
| Subject | Traffic Working Group Meeting #01 | Tel | 0459 805 315 |
| Venue | Teleconference | Job No | 2219148 |
| Date / Time | Wednesday 28/02/2018 – 9:00 am – 10:00 am | | |
| A - Absent | David Logan DL GHD A Phillip Pitt PP RMS A John Perkins JP RMS Calum Hutcheson CH TTM Paul Cai PC TTM Baqir Husain BH TTM | Michael Flynn MF ARC Rob Shaw RS ARC Leah Cook LC ARC Graham Earl GE ARC A Libby Ure LU NBRS | |
| Distributed to | All attendees and; Roger Lee & James Frost (GHD) / Phillip Pitt & John Perkins (RMS) / Andrew Duffin (NBRS) / Matthew Metlege & Wayne Cooper (DoE) | | |
| Attachments | NBRS drawing (Armidale HS & Duval HS) | | |

| Item | Action / Item | By Who | By when |
|------------|---|--------|---------|
| 1.0 | General | | |
| 1.1 | The purpose of the meeting was to commence dialogue between relevant stakeholders with relating to traffic issues associated with the Armidale High School Redevelopment Project. This includes impacts due to the Armidale High School (AHS) redevelopment and the temporary accommodation at Ducal High School (DHS). | Note | |
| 1.2 | General project update meetings are held between the project team (DoE / GHD / NBRS) and ARC regularly at ARC's offices. Meeting #03 was held last week on 28/02/2018. Traffic is raised as a general ongoing item as part of these regular meetings. | Note | |
| 1.3 | A RMS representative was not able to be present today. DL to coordinate correspondence with RMS to obtain key concerns with regards to AHS and DHS | DL | Ongoing |
| 2.0 | Armidale HS Redevelopment | | |
| 2.1 | The SEARS response from Department of Planning and Environment (DPE) has not yet been received. | Note | |
| 2.2 | ARC's key traffic concerns as raised in the SEARS response include: <ul style="list-style-type: none"> – Proposal for buses to be offloaded on Butler St. – ARC objection. ARC would prefer to have buses offloading off-street. – Capacity of proposed car parking is an issue – ARC objection that there may not be sufficient off-street car parking nominated. This will need to be demonstrated. – Proposal for new direct entrance from Kentucky Street. There are potential sight issues as this location is at the crest of a hill – ARC recommendation that this is allowable for east travelling traffic, pending RMS approval for new access point. – ARC noted geotechnical issues in the area of Kentucky St, including stream and pavement movement. Council has ongoing pavement repair issues in this vicinity. – Setting down and picking up issues – preference for kiss and drop area off-road. | Note | |
| 2.3 | It was noted that TTM is presently not engaged for AHS review at this stage. | Note | |
| 2.4 | The SEARS response provides details as to what will be required in the Traffic Impact Assessment for the development. | Note | |

| Item | Action / Item | By Who | By when |
|------------|---|--------|------------|
| 2.5 | Edward Buses will be consulted as part of the traffic review. | Note | |
| 2.6 | Local Traffic Advisory Committee were noted as a stakeholder | Note | |
| 2.7 | ARC noted that there will be interest in adequate facilities for special needs pick-up and drop-off. | Note | |
| 2.8 | LC advised that there has been a fatality incident previously on Butler St. Pedestrian and traffic control is important. ARC anticipated that there may be questions from community on this issue. | Note | |
| 2.9 | Council data to assist project would be helpful and a request will be provided for this by the project delivery team (Gipper request). | Note | |
| 3.0 | Duval HS temporary works | | |
| 3.1 | It was noted that the approvals process for Duval is CDC. An RMS certificate will be required as part of this process under the <i>Environmental Planning and Assessment Regulations 2000</i> . Requirements to fulfil this certificate to be confirmed by RMS. | Note | |
| 3.2 | ARC's key traffic concerns at the Duval temporary school included: <ul style="list-style-type: none"> – Bus drop-off and queuing – Off-street parking capacity – Intersection conditions | Note | |
| 3.3 | ARC advised the following additional areas for car parking may be made available to DoE subject to investigations (drainage and surface): <ul style="list-style-type: none"> – Monro St subject to investigation – Harden St subject to improvements by DoE | Note | |
| 3.4 | It was noted that it may be prudent to meet on site at a future stage to discuss issue. The date for this would be 27/03/2018 if this eventuates. | Note | |
| 3.5 | A Traffic Assessment Report is presently being finalised by TTM. ARC requested a Traffic and Parking Impact Assessment to AustRoads standards. This is pending outcome of item 3.1 above. | Note | |
| 3.6 | Council data regarding the Harper St subdivision would be helpful. A Gipper request will be made by the project team planner. DL to coordinate. | DL | ASAP |
| 4.0 | Other Business | | |
| 3.1 | Meeting ended at approximately 4.15 pm. | Note | |
| 3.2 | Next meeting will be scheduled potentially next week 15/03/2018. DL to issue invite. | DL | 08/03/2018 |

- NEW ROOF
- EXISTING ROOF
- NEW LANDSCAPE AREA
- EXISTING FENCE
- PEDESTRIAN ACCESS
- PARKING ZONE
- VEHICLE ACCESS
- BUS DROP OFF






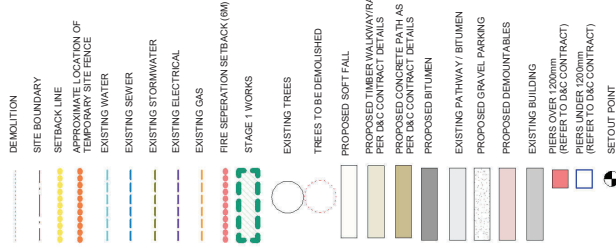
| Issue No. | Date | Description | Cwd |
|-----------|------------|-----------------------------------|------|
| 3 | 12/11/2017 | DRAFT DUAL DEMONSTRABLE DOCUMENTS | NBRS |
| 4 | 14/11/2017 | DRAFT SUBMISSION TO CONSULTANTS | NBRS |
| 5 | 23/01/2018 | DRAFT STAGE ONE SUBMISSION | NBRS |
| 6 | 23/01/2018 | STAGE ONE PRELIMINARY SUBMISSION | NBRS |
| 7 | 02/02/2018 | STAGE 2 PRELIMINARY SUBMISSION | |

DEMOLITION
 SITE BOUNDARY
 EXISTING WATER
 OF TEMPORARY SITE FENCE
 APPROXIMATE LOCATION
 EXISTING UTILITIES
 EXISTING SEWER
 EXISTING 30" WATER
 EXISTING TREES
 TREES TO BE DEMOLISHED
 STAGE 1
 STAGE 2
 FIRE SEPARATION
 SETBACK (6M)

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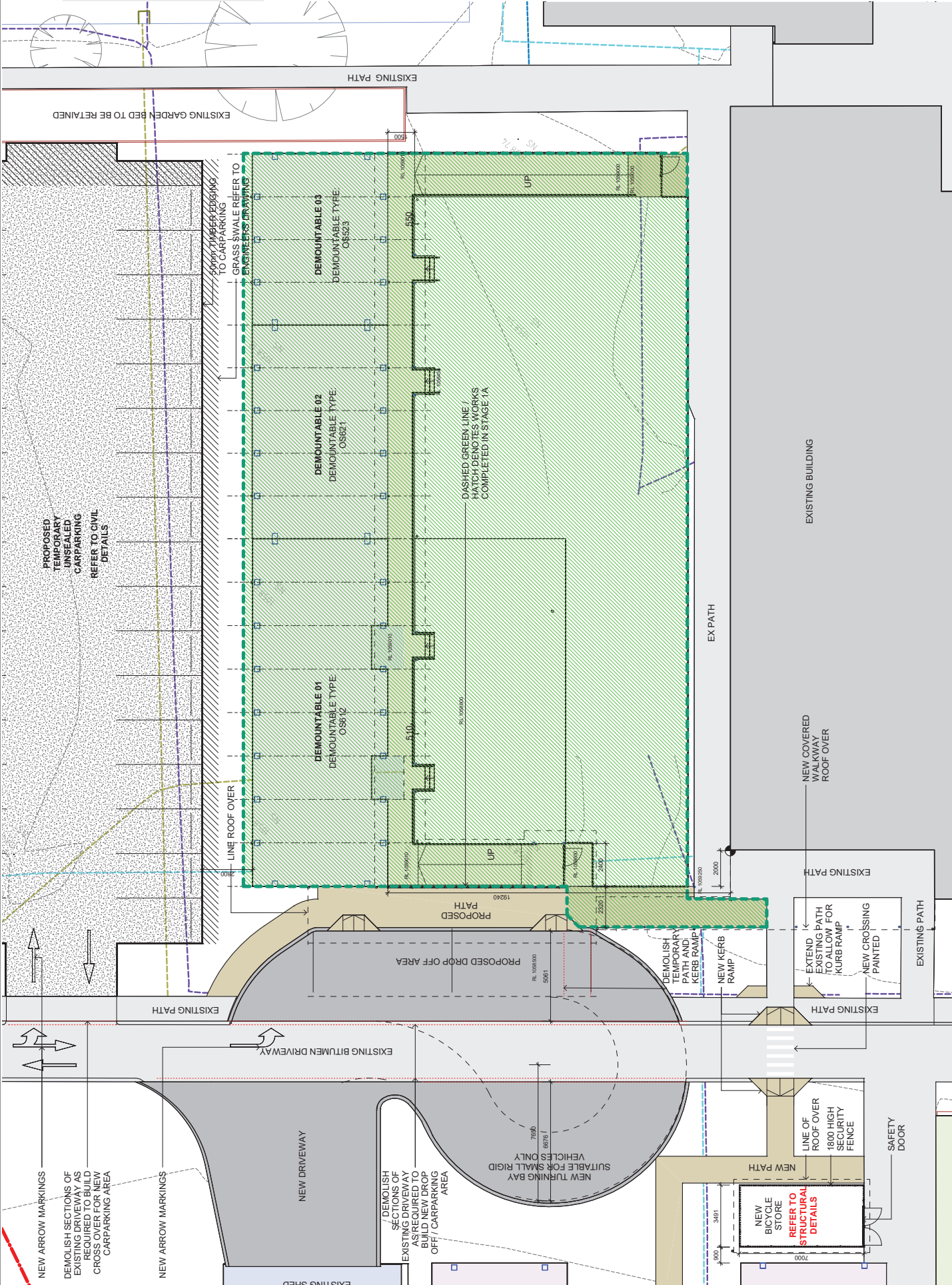
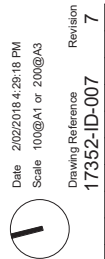

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NOTES:

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| At dimensions 1 mm units otherwise stated. | Verify |
| At dimensions 10 mm units otherwise stated. | Verify |
| At dimensions 100 mm units otherwise stated. | Verify |
| At dimensions indicated by the Architectural intent only. | Verify |
| At dimensions indicated by the Engineer's intent only. | Verify |
| Obtain approval prior to construction. | |
| Use figured dimensions only. Do not scale from drawings. | |
| All drawings are to be used in conjunction with all consultants' documents. | |
| Refer to specifications for other descriptions. | |
| Refer to specifications for fence types. | |
| Refer to finishing schedule for finishes materials. | |
| The completion of the issue details checked and approved by the architect shall confirm the status of the construction issued under "For Construction" and "Approved for Construction". | |
| This drawing and design is subject to copyright and the property of the owner, and must not be retained, reproduced or used without authority of NRS ARCHITECTURE. | |
| All new paths to have 1:150 cross fall away from buildings. | |
| Maximum path gradient 1:200 and adjacent path sufficient level with kerbs. | |
| Minimum path gradient 1:200 and adjacent path sufficient level with kerbs and ramps. | |
| Services to be relocated to suit demountable locations and/or to suit existing landscaping, paths, retaining walls to be made good. | |
| Contractors to ensure demountable buildings do good. | |
| Ensure all setbacks are achieved. | |
| Maximum path gradient 1:200 and adjacent path sufficient level with kerbs. | |
| Maximum path gradient 1:200 and adjacent path sufficient level with kerbs. | |



Date Issued 03/05/2018

| | | | | | | | | | |
|----------------|---|-----------------|----|-----|----------|---------------|---------------|------|------|
| Project | DoE, Armidale High School Redevelopment Project | | | | From | David Logan | | | |
| Subject | Traffic Working Group Meeting #03 | | | | Tel | 0459 805 315 | | | |
| Venue | Teleconference | | | | Job No | 2219148 | | | |
| Date / Time | Thursday 03 May 2018 – 10:30 am – 11:30 am | | | | | | | | |
| A - Absent | | David Logan | DL | GHD | A | Michael Flynn | MF | ARC | |
| | A | Phillip Pitt | PP | RMS | | Rob Shaw | RS | ARC | |
| | A | Liz Smith | LS | RMS | | Mark Wilson | MW | ARC | |
| | | John Perkins | Jp | RMS | | Graham Earl | GE | ARC | |
| | | Calum Hutcheson | CH | TTM | | Libby Ure | LU | NBRS | |
| | | Paul Cai | PC | TTM | | A | Andrew Duffin | AD | NBRS |
| | | Baqir Husain | BH | TTM | | | | | |
| | | Roger Lee | RL | GHD | | | | | |
| Distributed to | All attendees and; James Frost (GHD) / Matthew Metlege & Wayne Cooper & John Marfleet (DoE) | | | | | | | | |
| Attachments | Nil | | | | | | | | |

| Item | Action / Item | By Who | By when |
|------------|---|--------|----------|
| 1.0 | General | | |
| 1.1 | The purpose of the meeting was to continue dialogue between relevant stakeholders relating to traffic issues associated with the Armidale High School Redevelopment Project. This includes impacts due to the Armidale High School (AHS) redevelopment and the temporary accommodation at Duval High School (DHS). | Note | |
| 1.2 | Minutes from meeting #02 were accepted read. | Note | |
| 2.0 | Armidale HS Redevelopment | | |
| 2.1 | Actions closed | | |
| | Nil actions closed out this meeting. | | |
| 2.2 | Ongoing items | | |
| | <u>Lamb St Railway crossing.</u> Mtg 02: DL is presently awaiting clarification from TfNSW regarding the SEARs requirement for considering the at-level railway crossing on Lamb St. <i>Mtg 03 update – Confirmed that this has been raised by ARC. Impact from pedestrian will be assessed with site survey. Further discussion to be held once this is known. Clear scope to meet SEARs requirements will be part of this discussion.</i> | DL | Ongoing |
| | <u>Gripper request</u> Mtg 01: Council data to assist project would be helpful and a request will be provided for this by the project delivery team (Gripper request). <i>Mtg 03 Update – TTM to obtain when up on site next week.</i> | TTM | 11/05/18 |
| | <u>Transport Questionnaire:</u> Mtg 02:A Questionnaire will be prepared for the AHS TIA to obtain indication about proposed mode of transport to AHS once completed. DL to coordinate survey. <i>Mtg 03 Update – TTM has issued draft surveys to GHD. GHD is obtaining feedback from school Principals. Survey will be undertaken next week.</i> | DL | 11/05/18 |
| 2.3 | New items | | |
| | <u>TIA</u> TTM has been engaged to undertake AHS TIA. Proposed program as follows: – ‘Red Flag’ report highlighting proposed site survey works to be prepared by TTM and issued today for RMS / ARC comment and additional input. This is to ensure site works capture all necessary information first time. CH to prepare and issue. – Cameras are being deployed to site this week. | CH | 03/05/18 |

| Item | Action / Item | By Who | By when |
|------------|--|----------|-------------|
| | <ul style="list-style-type: none"> – Site survey works undertaken next week. – Draft report issued to GHD by 18/05/18. | CH | 18/05/18 |
| | RMS to provide crash data relevant to the AHS site. JP to issue to GHD and copy in TTM / NBRS. | JP | 10/05/18 |
| | RMS advised that the TTM TIA is to include impacts from temporary relocation works to and from the site. | TTM | 18/05/18 |
| | DL to forward contact for Edwards Coaches. | DL | 03/05/18 |
| 3.0 | Duval HS temporary works | | |
| 3.1 | Actions closed | | |
| | TTM to prepare fee proposal to update traffic assessment in accordance with 3.2. | CH | Completed |
| | LS to email list of RMS' concerns for Duval HS to GHD / Council / NBRS / TTM. These were noted to include: <ul style="list-style-type: none"> – Safety issues relating to separation between drop-off / bus zone / pick-up and street frontage to manage these items – Behavioural control measures Monitoring controls etc. | LS | Completed |
| 3.2 | Ongoing items | | |
| | <u>Current TIA by TTM</u> Mtg 02: DL to issue current Traffic Assessment for DHS by TTM to RMS and Council for comment. <i>Mtg 03 Update – Action outstanding. DL to forward report. Note that original comments provided by NBRS and GHD have not been incorporated yet.</i> | DL | ASAP |
| | <u>Transport Questionnaire:</u> Mtg02: TTM to prepare and issue student transport questionnaire to DL. Questionnaire to include: <ul style="list-style-type: none"> – Current mode of transport to Duval HS / Armidale HS – Proposed mode of transport to Duval HS next year DL to coordinate survey to be undertaken prior to Term 1 holidays. (2 weeks away) <i>Mtg 03 Update – TTM has issued draft surveys to GHD. GHD is obtaining feedback from school Principals. Survey will be undertaken next week.</i> | DL | 11/05/18 |
| | <u>Gipper Request</u> Mtg01: Council data regarding the Harper St subdivision would be helpful. A Gipper request will be made by the project team planner. <i>Mtg 03 Update – TTM to obtain when up on site next week. ARC advised that stage 1 of the subdivision works are complete and plans for these works are available.</i> | TTM / MW | 11/05/18 |
| 3.3 | New items | | |
| | DL to forward email list of RMS' concerns for DHS as received to TTM. | DL | 03/05/18 |
| | <u>Revised TTM TMP required for RMS Certificate (as part of CDC)</u> Proposed program as follows: <ul style="list-style-type: none"> – Cameras dispatched to site today – Red Flag' report highlighting proposed site survey works to be prepared by TTM and issued today for RMS / ARC comment and additional input – Site survey works undertaken next week – Draft report issued to GHD by 18/05/18 or earlier. Noted that this report is more critical that the AHS report. | Note | |
| | ARC advised that they will complete survey count for Erskine St / crest Rd intersection and make this information available to TTM. | MW | 11/05/18 |
| | MW to issue information regarding stormwater infiltration to DL to pass onto design team. Historic survey data will also be provided. | MW | 10/05/18 |

| Item | Action / Item | By Who | By when |
|------------|--|--------|----------|
| | TMP for DHS is to include assessment of decommissioning phase works also | TTM | 18/05/18 |
| | JP to confirm with RMS legal counsel that RMS that letter will be sufficient as RMS Certificate. | JP | 18/05/18 |
| 4.0 | Other Business | | |
| 4.1 | Meeting ended at approximately 11:30 am. | Note | |
| 4.2 | Next meeting will be scheduled for 23/05/2018 following issue of draft report. DL to issue invite. | DL | 04/05/18 |
| | | | |

Date Issued 29/05/2018

| | | | | | | | |
|-------------|---|--|-----|--|------------------------|--------------|-------|
| Project | DoE, Armidale High School Redevelopment Project | | | | From | David Logan | |
| Subject | Traffic Working Group Meeting #04 | | | | Tel | 0459 805 315 | |
| Venue | Teleconference | | | | Job No | 2219148 | |
| Date / Time | Wednesday 23 May 2018 – 1:00 pm – 2:00 pm | | | | | | |
| A - Absent | John Marfleet | JM | DOE | | Michael Flynn | MF | ARC |
| | David Logan | DL | GHD | | Rob Shaw | RS | ARC |
| | Phillip Pitt | PP | RMS | | Mark Wilson | MW | ARC |
| | A Liz Smith | LS | RMS | | Graham Earl | GE | ARC |
| | John Perkins | Jp | RMS | | Libby Ure | LU | NBRS |
| | Calum Hutcheson | CH | TTM | | A Andrew Duffin | AD | NBRS |
| | Paul Cai | PC | TTM | | Stephanie Yue | SY | TfNSW |
| | Baqir Husain | BH | TTM | | Lee Farrell | LF | TfNSW |
| | Roger Lee | RL | GHD | | | | |
| | Distributed to | All attendees and; James Frost (GHD) / Matthew Metlege (DoE) | | | | | |
| Attachments | Nil | | | | | | |

| Item | Action / Item | By Who | By when |
|------------|---|--------|----------|
| 1.0 | General | | |
| 1.1 | The purpose of the meeting was to continue dialogue between relevant stakeholders relating to traffic issues associated with the Armidale High School Redevelopment Project. This includes impacts due to the Armidale High School (AHS) redevelopment and the temporary accommodation at Duval High School (DHS). | Note | |
| 1.2 | Minutes from meeting #03 were accepted read. | Note | |
| 1.3 | The TWG welcomes SY and LF from TfNSW to the discussion. | Note | |
| 2.0 | Armidale HS Redevelopment | | |
| 2.1 | Actions closed | | |
| | Nil actions closed out this meeting. | | |
| | <u>Gipa request</u> Mtg 01: Council data to assist project would be helpful and a request will be provided for this by the project delivery team (Gipa request). <i>Mtg 04 Update – TTM obtained all available information when undertaking recent site survey</i> | TTM | Complete |
| | <u>Transport Questionnaire:</u> Mtg 02:A Questionnaire will be prepared for the AHS TIA to obtain indication about proposed mode of transport to AHS once completed. DL to coordinate survey. <i>Mtg 03 Update – TTM has issued draft surveys to GHD. GHD is obtaining feedback from school Principals. Survey will be undertaken next week.</i> | DL | Complete |
| | RMS to provide crash data relevant to the AHS site. JP to issue to GHD and copy in TTM / NBRS. <i>Mtg 04 Update – RMS has issued data for both AHS and DHS sites.</i> | JP | Complete |
| | DL to forward contact for Edwards Coaches. | DL | Complete |
| 2.2 | Ongoing items | | |
| | <u>Lamb St Railway crossing.</u> Mtg 02: DL is presently awaiting clarification from TfNSW regarding the SEARs requirement for considering the at-level railway crossing on Lamb St. Mtg 03 update – Confirmed that this has been raised by ARC. Impact from pedestrian will be assessed with site survey. Further discussion to be held once this is known. Clear scope to meet SEARs requirements will be part of this discussion. | DL | Ongoing |

| Item | Action / Item | By Who | By when |
|------------|---|------------|----------------------|
| | <i>Mtg 04 update – no update, awaiting draft report.</i> | | |
| | <u>TIA</u> TTM has been engaged to undertake AHS TIA. Proposed program as follows: <ul style="list-style-type: none"> – ‘Red Flag’ report highlighting proposed site survey works to be prepared by TTM and issued today for RMS / ARC comment and additional input. This is to ensure site works capture all necessary information first time. CH to prepare and issue. – Cameras are being deployed to site this week. – Site survey works undertaken next week. – Draft report issued to GHD by 18/05/18. <i>Mtg 04 update: Draft report now due 29/05/18 due to focus on DHS plan first.</i> | CH | 18/05/18 |
| | RMS advised that the TTM TIA is to include impacts from temporary relocation works to and from the site. <i>Mtg 04 update: No update, awaiting draft report.</i> | TTM | 18/05/18 |
| 2.3 | New items | | |
| | TfNSW requested additional assessment of Markham Street level crossing as part of the EIS report. TTM to include any impact from AHS on this crossing in the TIA. It was noted that it a survey of the Markham Street level crossing may be required. | CH Note | Ongoing |
| | TfNSW to provide train schedules (commercial and residential) relating to Markham Street level crossing | SY | 30/05/18 |
| | JM noted that Kentucky St has no formal crossing point and no formal kerb and guttering. RMS to confirm if there are any upcoming proposed works for funding for Kentucky St. MW noted that they have information regarding recent works/ maintenance issues at Kentucky St and will forward this information to JP at RMS. | JP MW | 06/06/18 01/06/18 |
| | | | |
| 3.0 | Duval HS temporary works | | |
| 3.1 | Actions closed | | |
| | <u>Current TIA by TTM</u> Mtg 02: DL to issue current Traffic Assessment for DHS by TTM to RMS and Council for comment. <i>Mtg 03 Update – Action outstanding. DL to forward report. Note that original comments provided by NBRS and GHD have not been incorporated yet.</i> | DL | Complete |
| | <u>Transport Questionnaire:</u> Mtg02: TTM to prepare and issue student transport questionnaire to DL. Questionnaire to include: <ul style="list-style-type: none"> – Current mode of transport to Duval HS / Armidale HS – Proposed mode of transport to Duval HS next year DL to coordinate survey to be undertaken prior to Term 1 holidays. (2 weeks away) <i>Mtg 03 Update – TTM has issued draft surveys to GHD. GHD is obtaining feedback from school Principals. Survey will be undertaken next week.</i> | DL | Complete |
| | <u>Gipa Request</u> Mtg01: Council data regarding the Harper St subdivision would be helpful. A Gipper request will be made by the project team planner. <i>Mtg 04 Update – TTM obtained all available information when undertaking recent site survey</i> | TTM / MW | Complete |
| | DL to forward email list of RMS’ concerns for DHS as received to TTM. | DL | Complete |

| Item | Action / Item | By Who | By when |
|------------|---|-----------|----------|
| | ARC advised that they will complete survey count for Erskine St / crest Rd intersection and make this information available to TTM. | MW | Complete |
| | MW to issue information regarding stormwater infiltration to DL to pass onto design team. Historic survey data will also be provided. | MW | Complete |
| 3.2 | Ongoing items | | |
| | <u>Revised TTM TMP required for RMS Certificate (as part of CDC)</u> Proposed program as follows: <ul style="list-style-type: none"> – Cameras dispatched to site today – Red Flag' report highlighting proposed site survey works to be prepared by TTM and issued today for RMS / ARC comment and additional input – Site survey works undertaken next week – Draft report issued to GHD by 18/05/18 or earlier. Noted that this report is more critical that the AHS report. | Note | |
| | <i>Mtg 04 update:</i> <ul style="list-style-type: none"> – TTM has issued updated TIA. Comments from ARC have been provided, including comments from Edwards Coaches. TTM to address in final revision. | TTM | 25/05/18 |
| | <ul style="list-style-type: none"> – TTM will complete TMP today and issue for comment. | TTM | 23/05/18 |
| | <ul style="list-style-type: none"> – ARC noted that it is acceptable for some aspects of TMP for operation and deconstruction to be completed at a later date, but would need to be finalised and accepted before those phases commenced. | Note | |
| | Mtg 03: JP to confirm with RMS legal counsel that RMS that letter will be sufficient as RMS Certificate. Mtg 04 Update: JP confirmed that the RMS letter can be issued upon confirmation by Armidale Council that they are happy with the TMP. | JP | 18/05/18 |
| | | Note | |
| | TMP for DHS is to include assessment of decommissioning phase works also | TTM | 18/05/18 |
| 3.3 | New items | | |
| | Armidale Council is seeking additional car parking to that shown in the draft TIA by TTM. DoE and / ARC to discuss potential for additional parking on Council land off with access off Harden St in separate meeting at 4:00 pm today. | DoE / ARC | 23/05/18 |
| | Discussion with Edwards Coaches regarding bus services will need to be ongoing. It is assumed that current bus services will remain in service. | Note | |
| 4.0 | Other Business | | |
| 4.1 | Meeting ended at approximately 2:00 pm. | Note | |
| 4.2 | Next meeting will be scheduled for early June following issue of draft AHS TIA. DL to issue invite. | DL | 30/05/18 |
| | | | |

Date Issued 08/06/2018

| | | | | | | | |
|----------------|---|----|-----|--|--------------|--------------|------|
| Project | DoE, Armidale High School Redevelopment Project | | | | From | David Logan | |
| Subject | AHS Car Park Meeting #01 | | | | Tel | 0459 805 315 | |
| Venue | Walsh Room – Level 15, 133 Castlereagh Street, Sydney | | | | Job No | 2219148 | |
| Date / Time | Tuesday 05/06/2018 – 9:00 am – 10:00 am | | | | | | |
| A - Absent | David Logan | DL | GHD | | Baqir Husain | BH | TTM |
| | Roger Lee | RL | GHD | | Libby Ure | LU | NBRS |
| | John Marfleet | JF | DoE | | | | |
| | Matthew Metlege | MM | DoE | | | | |
| Distributed to | All attendees and; James Frost (GHD), Andrew Duffin (NBRS) / Calum Hutchinson, Paul Cai (TTM) | | | | | | |
| Attachments | Mark up of Current | | | | | | |

| Item | Action / Item | By Who | By when |
|------------|---|--------------|----------|
| 1.0 | General | | |
| 1.1 | The purpose of the meeting was discuss car parking layout for Armidale Secondary College prior to Schematic Deign endorsement at PRG#11 (12/06/18) taking into consideration feedback from recent survey undertaken by TTM. | Note | |
| 2.0 | Armidale Secondary College Car Parking | | |
| 2.1 | JM noted that the main objection from Council is off-road parking. This is heightened by the fact that any previous teachers who lived within walking distance of Duval HS will now have to drive to Armidale Secondary College. | Note | |
| 2.2 | LU noted that one consolidated staff carpark at the southern end of the school behind the existing staff carpark is currently planned. JM noted that the school will need to be able to have enough spots for all teachers to park on any given day. NBRS to review and advise. | LU | 15/06/18 |
| 2.3 | LU noted that a large garbage truck which enters the ring road will need a turnaround bay at the bottom in order to exit the site. LU to update drawings. JM noted there may be a possibly to create a one way ring road which exits onto Barry Street, however, this can be reviewed later if needed. | LU | 15/06/18 |
| 2.4 | JM noted that if we are upgrading the frontage of the school, it puts pressure on the council to also upgrade the crossing on Butler street. | Note | |
| 2.5 | BH noted that the recent AHS survey showed that 61 students utilised the at-level railway crossing which connects Lambs Ave and Mann Street. | Note | |
| 2.6 | JM noted that the path from Kentucky Street entrance into the school will need to be diverted to the administration block such that students are directed towards the main entrance and avoid crossing the ring road. Also, the crossing logo on Kentucky St to be removed from drawings. | LU | 15/06/18 |
| 2.7 | LU noted there that the triangular area among the carpark facing Butler Street which could be utilised as bus shelter. LU to confirm number of buses that can fit in designated bus letdown area. | Note | |
| 2.8 | NBRS to consult with school to confirm how taxi system needs for special education. Further discussions with taxi providers over proposed layout may be needed. | NBRS Note | 15/06/18 |
| 2.9 | JM noted that original parking to be include in current EIS submission. Any additional parking due to the PAF / Den Gymnasium upgrade will be under its own approval process. | Note | |
| 2.10 | BH to undertake survey of pedestrians crossing Kentucky St during this week's additional site survey. | BH | 15/06/18 |
| 2.11 | It was noted that teacher, student and public parking must be segregated from each other. | Note | |
| 4.0 | Other Business | | |

| Item | Action / Item | By Who | By when |
|------|--|--------|---------|
| 3.1 | Meeting ended at approximately 10:00 am. | Note | |

Date Issued 19/11/2018

| | | | | | | | |
|----------------|--|----|-----|--------------|--------|--------------|-------|
| Project | DoE, Armidale Secondary College Project | | | | From | David Logan | |
| Subject | EIS discussion meeting with RMS & TfNSW – Meeting #01 | | | | Tel | 0459 805 315 | |
| Venue | Teleconference | | | | Job No | 2219148 | |
| Date / Time | Tuesday 13/11/2018: 11:00 am – 12:00 pm | | | | | | |
| Attendees | John Marfleet | JM | DoE | John Perkins | | JP | RMS |
| | Terry O’Sullivan | TO | DoE | Ken Ho | | KH | TfNSW |
| | Matthew Metlege | MM | DoE | David Logan | | DL | GHD |
| Distributed to | All attendees and; James Frost, Roger Lee and Stuart Collett (GHD) | | | | | | |
| Attachments | 1. Site Plan for Armidale High School from EIS. | | | | | | |

| Item | Action / Item | By Who | By when |
|------------|---|--------|---------|
| 1.0 | General | | |
| 1.1 | The purpose of the meeting was to provide an update for the Armidale Secondary College Project. The key focus is the submission of the EIS to Department of Planning and Environment (DPE). | Note | |
| 2.0 | Project status | | |
| 2.1 | The status for Armidale HS is as follows: <ul style="list-style-type: none"> – Schematic Design has been completed. – Contractor will be appointed soon. – Early works est. to commence Jan 2019, completed for Day 1 Term 1 2021. – EIS submitted last week and RMS and TfNSW should receive documents from DPE soon. | Note | |
| 3.0 | EIS submission for Armidale High School | | |
| 3.1 | JP and KH both advised that they have not yet received the EIS documents. These can be sent by SINSW if not received in coming days. It was noted that DL sent the Traffic Impact Assessment Report from the EIS to JP and KH prior to the meeting to assist in pre-briefing for the meeting. | Note | |
| 3.2 | John Marfleet is the main SINSW point of contact for any comments regarding the EIS. JP and KH confirmed that they are the representative for each authority. | Note | |
| 3.3 | Key items relating to traffic noted by SINSW: <ul style="list-style-type: none"> – Parking on site accounts for all staff. – Student parking provided down near the Den gymnasium. – Bus bay is on street. SINSW is discussing this with Council. The bus bay shelter is on the school site. – Access to school by Butler St only; i.e no entrance off Kentucky St. – Existing school capacity is approx. 1000 students. The project reflects an increase of approx. 600 students. | Note | |
| 3.4 | KH noted that RMS has a strong focus on intersection safety in line with their 2021 Road Safety Plan. DL advised that intersection safety was completed in accordance with the requirements of the SEARs and included in the Traffic Impact Assessment. | Note | |
| 3.5 | KH asked if there was an increase in the number of buses. DL noted that the Traffic Impact Assessment Report advises 25 existing buses with a potential increase of 5 | Note | |

| Item | Action / Item | By Who | By when |
|------------|--|--------|---------|
| | buses which is conservative. JM advised that the overall number of buses is likely to go down. | | |
| 4.0 | Other business | | |
| 4.1 | Meeting ended at approximately 11:30 am | Note | |

LEGEND



VEHICLE ACCESS



PEDESTRIAN ACCESS



BUS STOP



CAR PARKS



FENCE 2100H



NATURE TRAIL



COLA



EXTERNAL LIGHT



EXTERNAL LIGHT TO BASKETBALL COURTS (DUSK - 10PM) TO ELECTRICAL ENGINEERS SPECIFICATION.



CAR PARKS AND INTERNAL RENOVATION AND RESTORATION WORKS TO FORM A SEPARATE PLANNING PATHWAY. THESE WORKS DO NOT FORM PART OF THIS PROPOSAL

PROJECT MANAGER

LAW 2 AND 3, CHLO Tower, 24 Heny Road, Newcastle, NSW 2300
+61 2 6979 9999

STRUCTURAL/CIVIL ENGINEER

Birrell Associates
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MECHANICAL/HYDRAULIC/ELECTRICAL/COMMUNICATIONS ENGINEERING

Marine
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SECURITY

DEPARTMENT OF EDUCATION NSW

| Issue | | | Child |
|-------|------------|-------------------------|-------|
| No. | Date | Description | |
| 1 | 04.10.2018 | DEVELOPMENT APPLICATION | |

Child

ARCHITECT
NBR ARCHITECTURE.

Sydney
nbsrarchitecture.com
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PROJECT

ARMIDALE SECONDARY COLLEGE

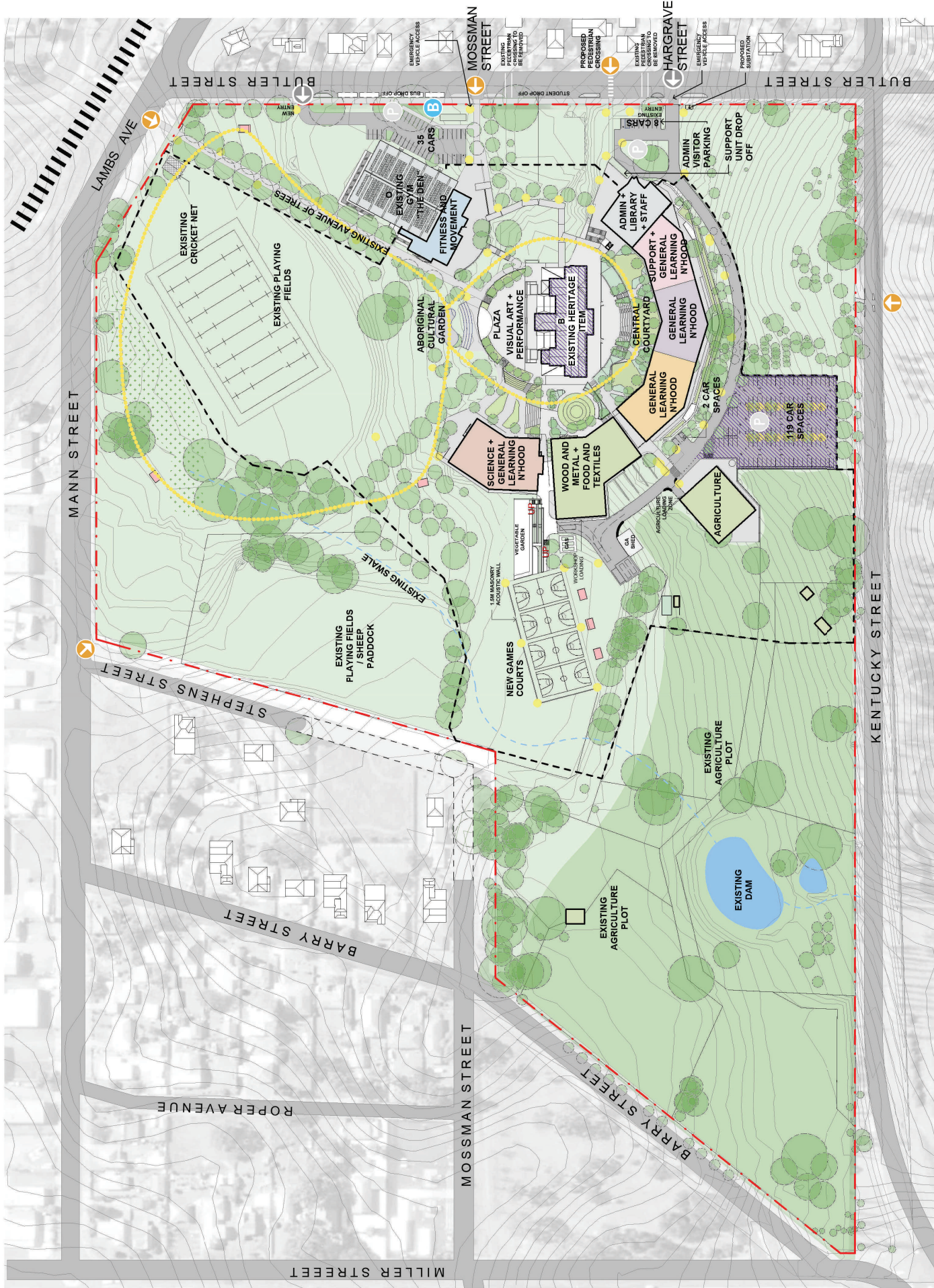
at
BUTLER STREET, ARMIDALE, NSW, 2350
for
NSW Department of Education

Drawing Title
PROPOSED SITE PLAN

Date 15/10/2018 7:19:24 PM
Scale 1:1000 @ A1

Drawing Reference
17352- NBR-DA-012 1

10 11 12 13 14 15 16 17 18 19 20



Appendix B Notification to Residents

Armidale High School

Works notification

Notification of planned asbestos removal works at Armidale High School February 2019

Dear neighbours,

We are writing to inform you that scheduled removal of asbestos at Armidale High School is due to occur between **X date and X date**.

The material will be removed by a licensed asbestos removal contractor. The works will be conducted in accordance with the Department of Education's Asbestos Management Plan and Safe Work NSW requirements including the following precautionary measures:

- Isolation of the work area
- Monitoring, testing and clearance certification by a consultant hygienist

The works will take place between (insert dates) between (insert time), weather and site conditions permitting.

Please be advised that further remediation of the site will still be required and the site will remain closed for construction. The area has been secured and appropriate control and monitoring measures have been installed.

The health, safety and well-being of our neighbours is our highest priority and we will continue to keep the community updated as more information becomes available.

If you have any queries relating to the safe removal of asbestos at Armidale High School, please contact School Infrastructure NSW using the contact information below.

Thank you.

For more information contact:

School Infrastructure NSW

Email: schoolinfrastructure@det.nsw.edu.au

Phone: 1300 482 651

www.schoolinfrastructure.nsw.gov.au

Armidale High School

Works notification

Notification of planned demolition works at Armidale High School February 2019

Dear neighbours,

A new high school is being developed on the current Armidale High School site.

The main works contract has now been awarded and as such, we are writing to inform you that scheduled demolition works at Armidale High School is due to occur between **X date and X date**.

The area has been secured and appropriate control and monitoring measures have been installed. Noise and dust will be kept to a minimum as best as possible during this period.

The health, safety and well-being of our neighbours is our highest priority and we will continue to keep the you updated to ensure disruptions to the community are minimised.

We thank you for your patience during these works and we are thrilled to deliver this project for the school community.

If you have any queries relating to the new Armidale Secondary College, please contact School Infrastructure NSW using the contact information below.

Thank you.

For more information contact:

School Infrastructure NSW

Email: schoolinfrastructure@det.nsw.edu.au

Phone: 1300 482 651

www.schoolinfrastructure.nsw.gov.au

Letters dropped



Stopped @ 181
Kentucky St.

Stopped @ 180
Kentucky St.

Stopped @
51 Garibaldi St.



Armidale High School



Appendix C Site Parking

30 May 2019
Our Ref: 18SYT0036
Your Ref: -

Attention: Sam Lyons

Richard Crookes Constructions
Level 3,
4 Broadcast Way,
Artarmon NSW 2064

Dear Sam,

RE: **Armidale Secondary College, Armidale – SSD Draft Condition B26**

This letter has been prepared in response to item 'B26 Construction Parking' in the draft conditions of consent (SSD 9095) for Armidale High School Redevelopment by Department of Planning and Environment. The item is as follows:

Construction Parking

B26. Prior to the commencement of construction, the Applicant must provide sufficient parking facilities on-site, including for heavy vehicles and for site personnel, to ensure that construction traffic associated with the development does not utilise public and residential streets or public parking facilities.

Employees, tradespeople, small construction vehicles and heavy vehicles will be parked on site. As per the information received by the contractor the site is expected to accommodate 10 heavy vehicles and 180 cars for site personnel on site.

The parking area for heavy vehicles is shown in Attachment 1. The area marked with grey hatch will be used for heavy vehicle parking.

Car parking for site personnel is divided in to two areas. The smaller car parking area having 84 car parking spaces is located near the Butler Street – Lambs Avenue/Mann Street intersection. The small car parking area is shown in Attachment 2.

The school is being provided with a 122-car parking space school staff parking area. This car park is developed as part of the early works package and will be completed before the start of construction activities. Site personnel will be able to use this car park for on-site car parking. The plans for this car park is shown in Attachment 3.



The two car parking areas provide a combined 206 on-site car parking spaces. These parking spaces will be sufficient to accommodate the requirement of 180 on-site personnel car parking.

It is our advice that condition B26 in the draft conditions of consent (SSD 9095) has been satisfied.

Yours sincerely,

A handwritten signature in blue ink, appearing to read 'Baqir' followed by a stylized flourish.

Baqir Husain
Project Consultant - Traffic

TTM Consulting Pty Ltd



Attachment 1 Heavy Vehicle Parking Plan





Attachment 2 Small Car Parking Area



84 Parking
Spots



Attachment 3 School Staff Car Park

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Scale 1 : 200 @ A1
17352
Drawing Reference
NBR5-AR-DWG-083.5
Revision
C