



Lindfield Learning Village Stage 2

100 Eton Road, Lindfield

Construction Traffic and Pedestrian Management Sub-Plan

Ref: 375/2020

Date: October 2020

Issue: E

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1.0 Introduction

The Minister for Planning granted partial development consent to SSD 8114 for Stage 1 construction and operation of a new school for 350 students within the Lindfield Learning Village on 24 October 2018.

The remainder of SSD 8114 (Stages 2 and 3) is currently being assessed and waiting for approval from the Minister for Planning. The Phase 2 development scheme comprises:

- Phase 2A:
 - Works to accommodate 700 students
 - Deliver 2 full home bases with to incorporate 27 General Learning Spaces and accompanying support space and lifts
 - 4 Science Labs and accompanying science prep rooms
 - Food Tech/ Kitchen/Textile/ Visual arts specialist spaces and extension to cafeteria
 - 2 workshops for metal and wood work including accompanying 3 workshop learning spaces and DDA platform access lift
 - New COLA and facilities
 - Staff and Administration areas all extended driveway, bus loop and associated site civil works, landscaping and associated fencing
 - Extended L5 Cafeteria space
 - BAL Flame Zone and Remedial works to full façade and roof
 - Fire trail link to Dunstan Grove
 - Perimeter fencing to entire site (including stage 2c areas) to be completed as part of stage 2a works.

- Phase 2B:
 - Works to accommodate 1,050 students (including the approved 350).
 - Repurposing of the Phase 1 area.

- An extended driveway from Eton Road extending to the southern portion of the site for emergency vehicles and drop off and pick up vehicles.
 - An extended bus turnaround structure south of the upper car park to allow buses to enter and turnaround safely within the site.
- Phase 2C:
- Works to accommodate an additional 950 students in the western wing of the building.

This CTMSP has been prepared by an engineer who hold the Roads and Maritime Services Prepare a Work Zone Traffic Management Plan accreditation, detailed as follows:

Lachlan Ellson

Certificate No: 0052125163

Expiry Date: 28/08/2022

The CTMSP has also been reviewed and checked by a suitably qualified and experienced civil (traffic) engineer, Meg Kong with 13 years of professional experience. Meg has completed CTMSP for more than 200 sites in Sydney including Ku-ring-gai Council area.

This plan is prepared to satisfy Conditions No. B13, B19 and B21 which will require submission of a Construction Traffic and Pedestrian Management Sub-Plan (CTPMSP) and a Construction Worker Transportation Strategy, as part of Construction Certification documentation, reproduced as follows:

B13

A Construction Traffic and Pedestrian Management Sub-Plan (CTPMSP) must be prepared to achieve the objective of ensuring safety and efficiency of the road network and address, but not be limited to, the following:

- (a) be prepared by a suitably qualified and experienced person(s);*
- (b) be prepared in consultation with Council and TfNSW;*

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(c) detail the measures that are to be implemented to ensure road safety and network efficiency during construction in consideration of potential impacts on general traffic, cyclists and pedestrians and bus services; and

(d) detail heavy vehicle routes, access and parking arrangements;

B19

A Driver Code of Conduct must be prepared and communicated by the Applicant to heavy vehicle drivers and must address the following:

(a) minimise the impacts of earthworks and construction on the local and regional road network;

(b) minimise conflicts with other road users;

(c) minimise road traffic noise; and

(d) ensure truck drivers use specified routes.

B21- Construction Parking

Prior to the commencement of construction, a Construction Worker Transportation Strategy must be submitted to the Certifier. The Strategy must detail the provision of sufficient parking facilities or other travel arrangements for construction workers which minimise demand for parking in nearby streets, residential accessways or parking facilities.

All the contractors associated with this project will adhere to what is outlined in the CTMSP. This will ensure that they will:

- not add excessively to the traffic congestion during peak hours and school's pick up and drop off times by
 - scheduling deliveries to be clear of peak periods for the residents
 - queuing of delivery vehicles to be clear of buses (based the timetable and avoid the 10-minute window if on bus route (\pm 5 minutes)).

- not have large truck deliveries or trucks laying over on public roads to wait for access to site at these times

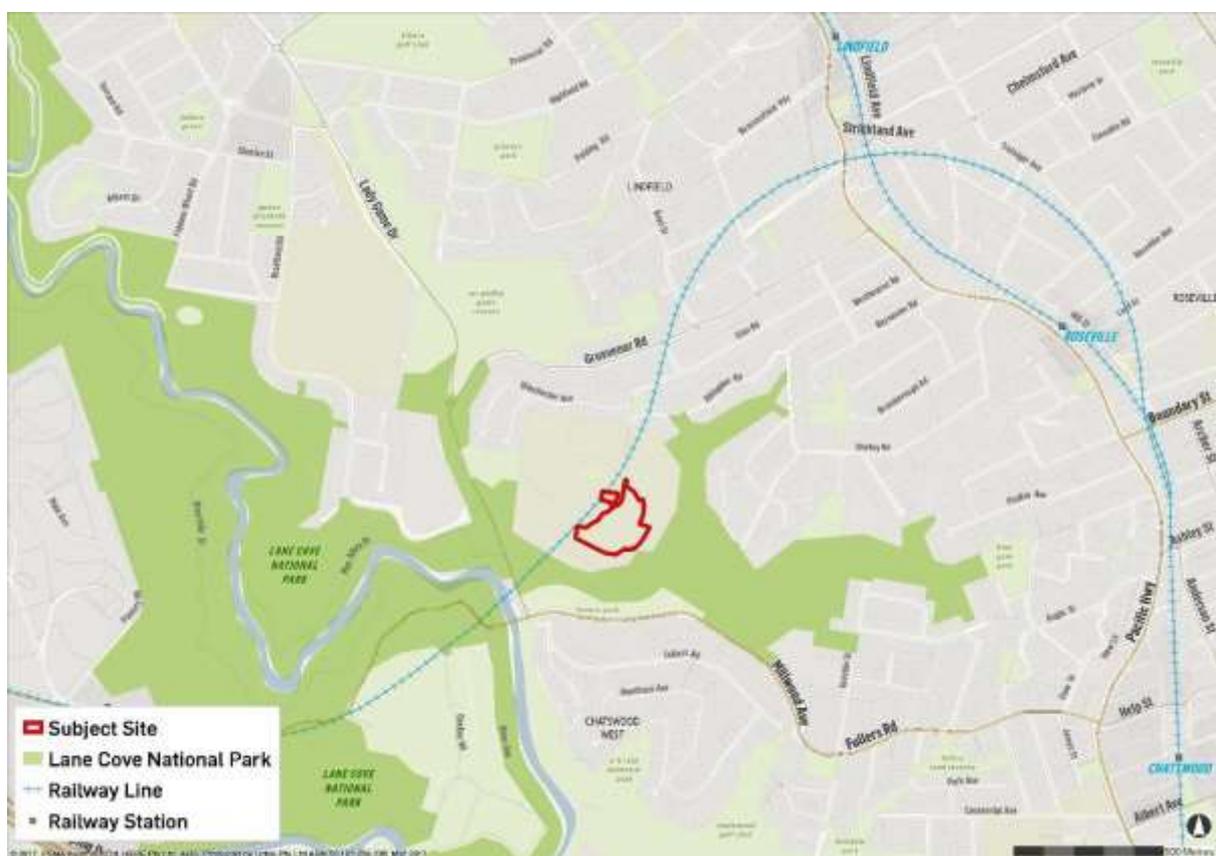
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The CTMP is to meet the overall concept of the Roads and Maritime Services Traffic Control at Work Sites Technical Manual Version 5.0 dated 27 July 2018 (TCSW), ensuring safe access to/from and within the Village and minimal delays to traffic experienced by the nearby residents and students.

2.0 Proposed Development Scheme

2.1 Site, Context, and Existing Circumstances

The Lindfield Learning Village site (see the following figure) is Lot 2 DP1151638, which is located at 100 Eton Road, Lindfield. The irregular shaped site occupies an area of 3.6ha within the Ku-ring-gai Local Government Area.





Source: Urbis

Lindfield Learning Village currently occupies the site and has operated on the site since day one, Term 1, 2019 based on consent SSD 8114 granted on 24 October 2018.

The building consists of a single concrete structure of various heights of 2 storeys to five storeys with basement. Vehicular and pedestrian access to the campus is available via Eton Road, with rows of car parking located to the east of the existing building. A total of 184 marked parking spaces are currently available within the site, including 35 spaces within the basement and 149 at-grade spaces. A pedestrian footbridge over Dunstan Grove links the main campus building to the gymnasium.

The existing building is surrounded by grassed areas, which extend from the building to the Lane Cove National Park and form the southern and eastern boundaries of the site.

2.2 Proposed Development

The Stage 2 site is located at the south side of Stage 1 Lindfield Learning Village School (completed in early 2019). The site is located at the end of Eaton Road, and is surrounded by national park to the south, existing school to the north and low density housing to the north. The development comprises internal alterations and additions to the existing educational use at the Lindfield Learning Village Campus. The Stage 2 works involve:

- ❖ demolition of internal fixtures
- ❖ retrofitting and rebuilding of internal fixtures to the new room layouts and civil works of on the internal road system and associated footpaths.
- ❖ landscaping works
- ❖ remediation
- ❖ new waterproofing installed on existing structures
- ❖ new fit out

Specifically, the construction works and activities comprises:

- ❖ New services including mechanical, sprinklers, lighting, electrical and hydraulics including associated structural penetrations.
- ❖ Electrical services including: Installation of new main distribution board, Internal lighting, External lighting, Telecommunication services, Security systems, Emergency and exit lighting, Audio Visual Systems.
- ❖ Hydraulic services including: Fire hydrant system in addition to installed hydrants in stage 1 works, fire hose reel services in addition to installed fire hose reels in stage 1 works, portable fire extinguishers, gas services shall extend to areas of use from stage 1 works, cold water services shall extend from stage 1 works, hot water services to serve areas of admin, staff and ambulant amenities, sewer, drainage & vents, greasy/trade waste and vent and rainwater gutters and downpipes where required
- ❖ Mechanical services including: General air conditioning and ventilation.
- ❖ Upgrades to existing lifts.
- ❖ Installation of accessible lift to woodwork rooms.

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- ❖ Works to plant areas.
- ❖ Upgrades to existing ramps for accessibility.
- ❖ Refurbishment of bathrooms and toilets including new plumbing and sanitary required.
- ❖ Alterations to handrails and installation of new balustrades to BCA compliance.
- ❖ Works to widen and make good door openings.

Details of the approved development scheme are provided on the architectural plans prepared by DesignInc/Lacost+Stevenson/bmc2 and are reproduced in part in Appendix A.

2.3 Construction Program

A process has been established for completion of the various work processes over 4 stages as follows:

- ❖ 2A (Part 1): 14/09/2020 – 27/01/2021
- ❖ 2A (Part 2): 18/01/2021 – 19/04/2021
- ❖ 2B: 17/02/2021 – 19/04/2021
- ❖ 2C: 03/02/2021 – 22/02/2022

The construction works essentially involves the following phases, namely:

- ❖ Demolition and remediation
- ❖ Installation of new services
- ❖ Facade and roof remediation
- ❖ Fit out and furnishings
- ❖ Floor coverings
- ❖ Painting
- ❖ Landscaping, retaining walls and civil works
- ❖ Final clean, defects and commissioning
- ❖ New road

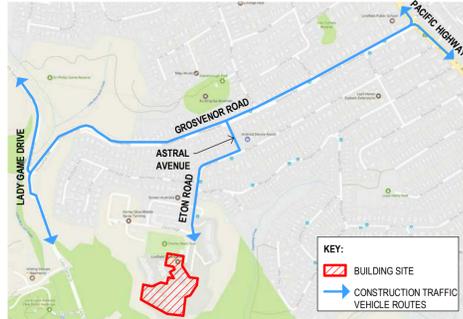
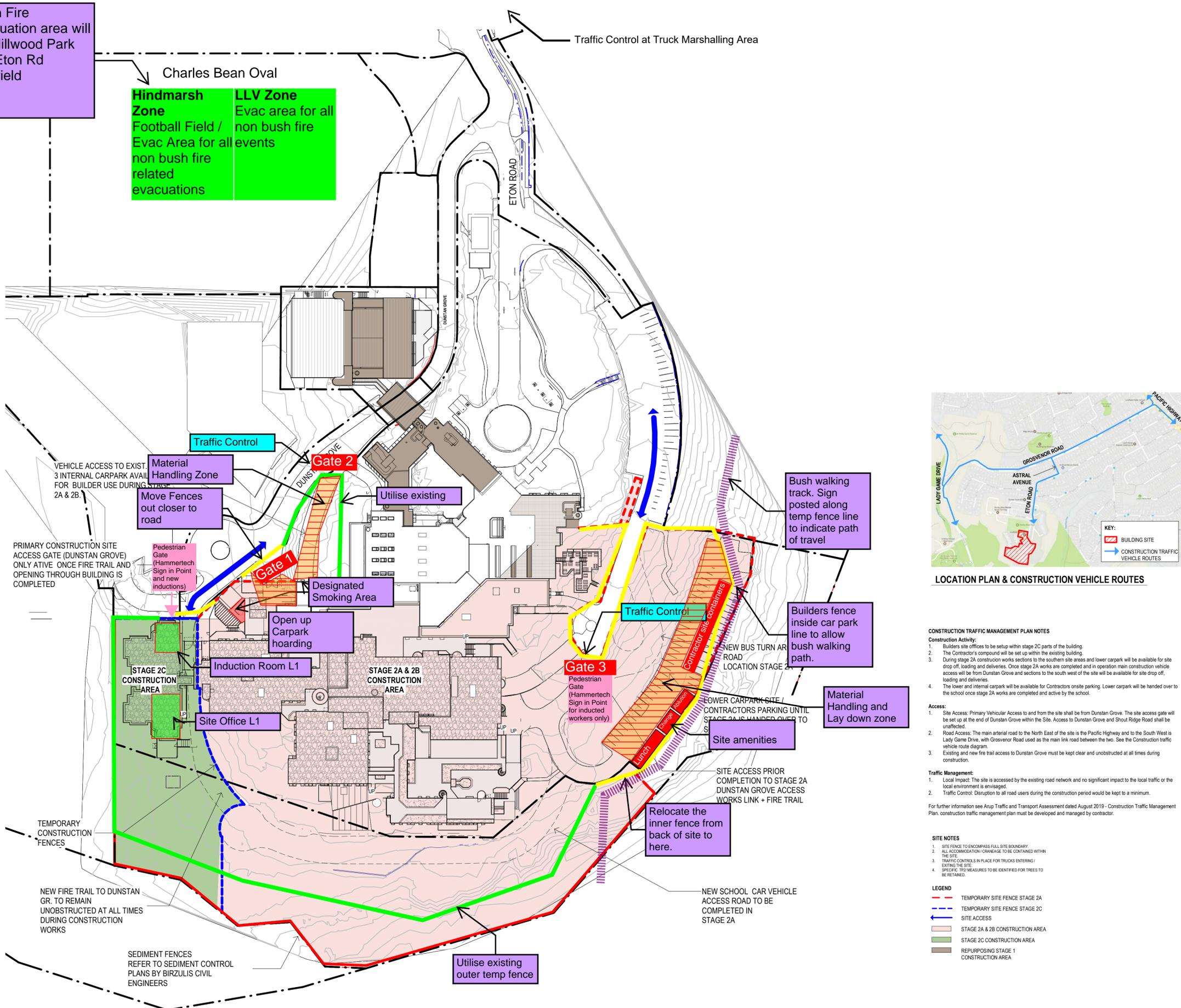
The construction site establishment plan prepared by Hindmarsh are provided in the figure overleaf.

Bush Fire evacuation area will be Millwood Park 1-3 Eton Rd Lindfield

Hindmarsh Zone
Football Field / Evac Area for all non bush fire related evacuations

LLV Zone
Evac area for all non bush fire events

Traffic Control at Truck Marshalling Area



LOCATION PLAN & CONSTRUCTION VEHICLE ROUTES

CONSTRUCTION TRAFFIC MANAGEMENT PLAN NOTES

Construction Activity:

- Builders site offices to be set up within stage 2C parts of the building.
- The Contractor's compound will be set up within the existing building.
- During stage 2A construction works sections to the southern site areas and lower carpark will be available for site drop off, loading and deliveries. Once stage 2A works are completed and in operation main construction vehicle access will be from Dunstan Grove and sections to the south west of the site will be available for site drop off, loading and deliveries.
- The lower and internal carpark will be available for Contractors onsite parking. Lower carpark will be handed over to the school once stage 2A works are completed and active by the school.

Access:

- Site Access: Primary Vehicular Access to and from the site shall be from Dunstan Grove. The site access gate will be set up at the end of Dunstan Grove within the Site. Access to Dunstan Grove and Shout Ridge Road shall be unaffected.
- Road Access: The main arterial road to the North East of the site is the Pacific Highway and to the South West is Lady Game Drive, with Grosvenor Road used as the main link road between the two. See the Construction Traffic Management Plan. Existing and new fire trail access to Dunstan Grove must be kept clear and unobstructed at all times during construction.

Traffic Management:

- Local Impact: The site is accessed by the existing road network and no significant impact to the local traffic or the local environment is envisaged.
- Traffic Control: Disruption to all road users during the construction period would be kept to a minimum.

For further information see Anup Traffic and Transport Assessment dated August 2019 - Construction Traffic Management Plan. construction traffic management plan must be developed and managed by contractor.

SITE NOTES

- SITE FENCE TO ENCOMPASS FULL SITE BOUNDARY
- ALL ACCOMMODATION CONSIGNAGE TO BE CONTAINED WITHIN THE SITE
- TRAFFIC CONTROL & IN PLACE FOR TRUCKS ENTERING / EXITING THE SITE
- SPECIFIC TREE MEASURES TO BE IDENTIFIED FOR TREES TO BE RETAINED

LEGEND

- TEMPORARY SITE FENCE STAGE 2A
- TEMPORARY SITE FENCE STAGE 2C
- SITE ACCESS
- STAGE 2A & 2B CONSTRUCTION AREA
- STAGE 2C CONSTRUCTION AREA
- REPURPOSING STAGE 1 CONSTRUCTION AREA

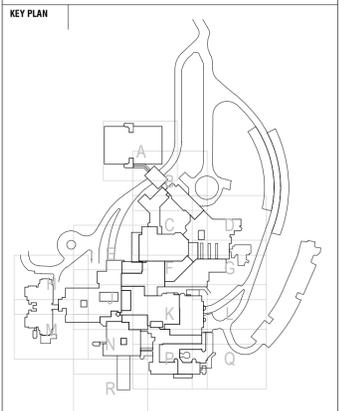
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Figured dimensions take preference to scale readings. Verify all dimensions on site. Report any discrepancies to the Architect for decision before proceeding with the work.

Nominated Architects:
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No	DATE	REVISIONS	BY
A	15/05/2020	ISSUE FOR TENDER	PA



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SCHOOL INFRASTRUCTURE NSW

PROJECT

LINDFIELD LEARNING VILLAGE
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TITLE

SITE SETUP PLAN

DRAWN BY	TG, CS, HC, RK	REVISION	
SCALES	As indicated @ A1	DRAWING NO.	P19-006
PLOT DATE	29/03/2017	DRAWING STATUS	AR-2-2060
PROJECT NO.	P19-006	REVIEWED BY	PA
DRAWING NO.	AR-2-2060	SIGNATURE	
DRAWING STATUS	FOR TENDER	DATE	

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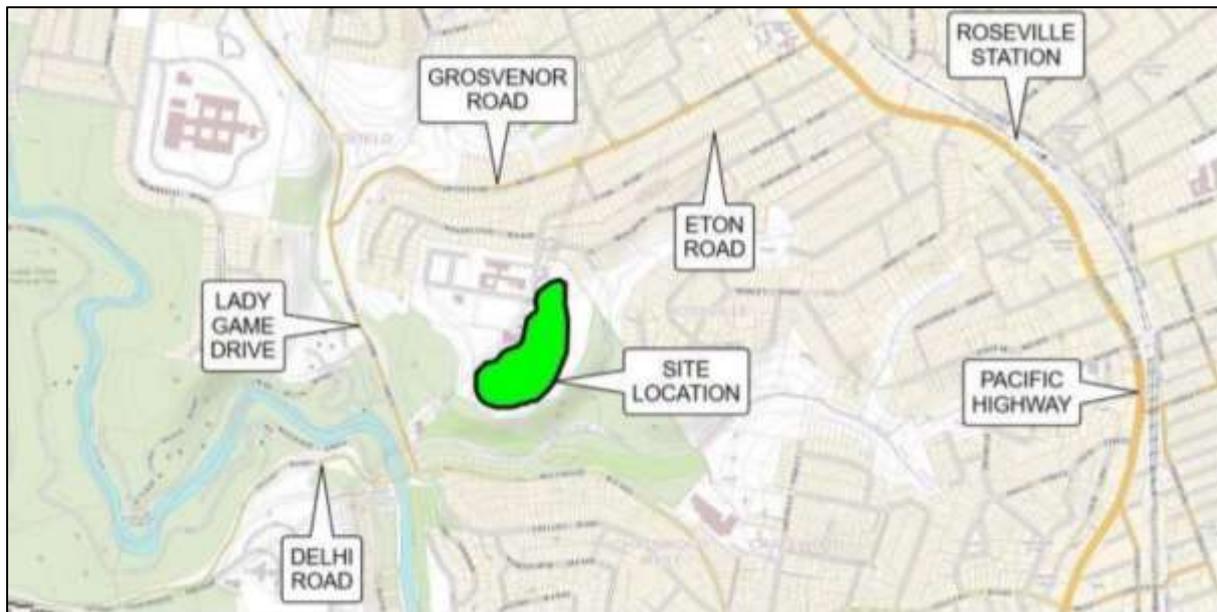
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3.0 Existing Road Network and Traffic Conditions

3.1 Road Network

The road network (see the following figure) serving the site comprises Pacific Highway (State Road), Lady Game Drive (Regional Road), Grosvenor Road, Westbourne Road, and Eaton Road (Local road).

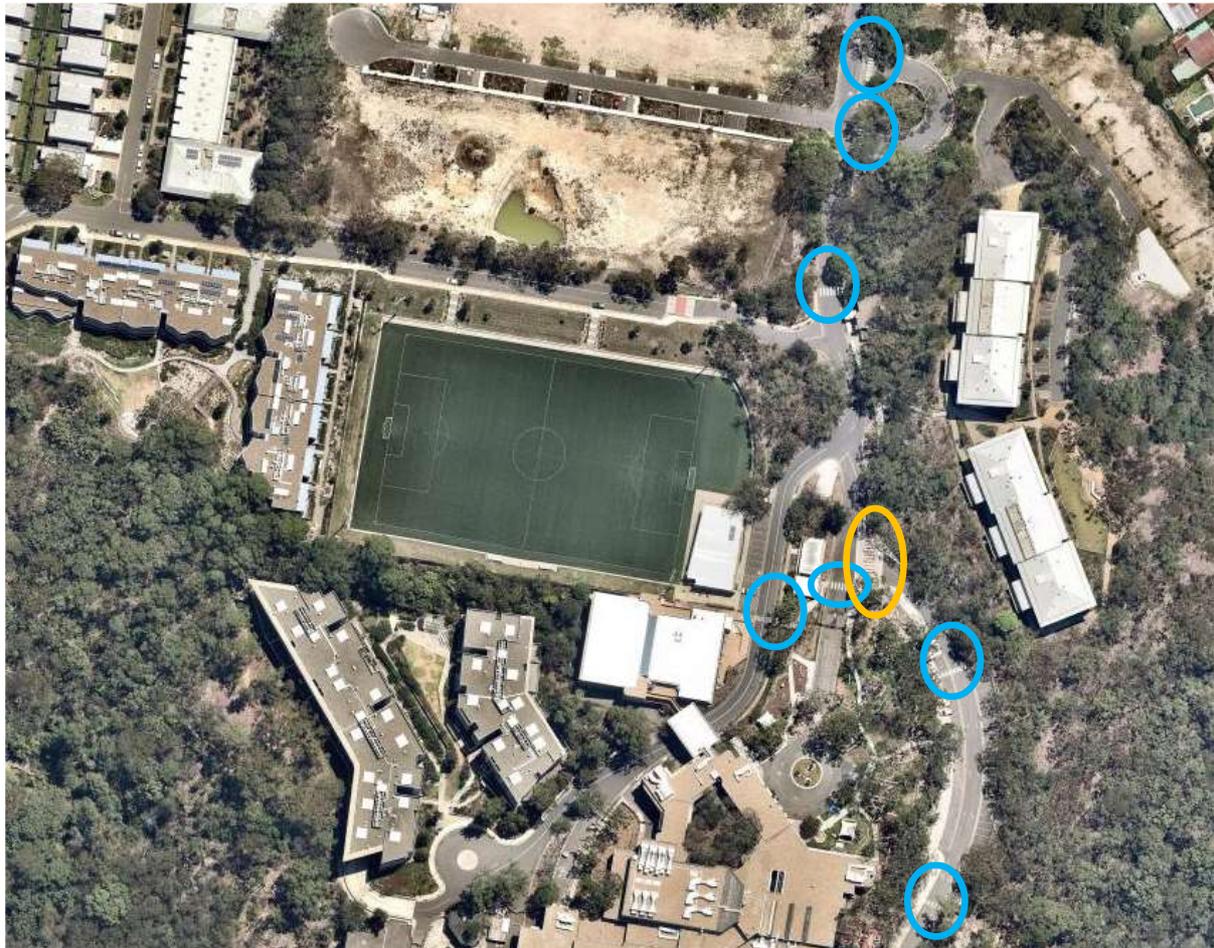


Source: Commercial TC

The Pacific Highway is a State Highway and arterial route providing the major northwards route from Sydney. Lady Game Drive provides access to North Ryde via Delhi Road and to Chatswood via Millwood Avenue. Astral Avenue, Grosvenor Road, and Eaton Road mainly consist of one lane carriageways, and provide access to low density-residential areas, with Eton Road providing access to medium density residential areas near the learning village.

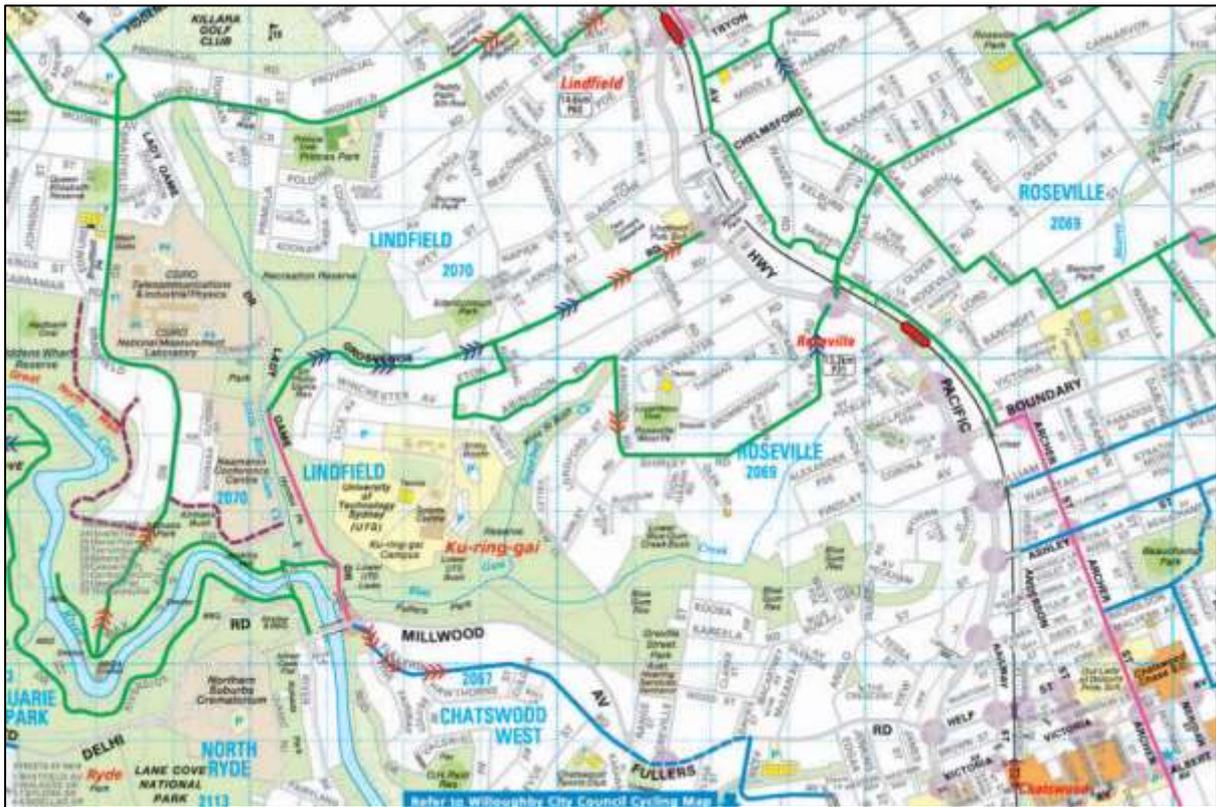
3.2 Pedestrian Infrastructure

Pedestrian footpaths are generally provided on both sides of all streets within the site surrounding the site. Marked foot crossings are provided along Duston Grove and Eton Road with a raised crossing at the main access point of the site east of Eton Road.



3.3 Cycle Infrastructure

The nearest bicycle routes are located along Abingdon Road and Eton Road, 380m north of the site. The bicycle network surrounding the site is shown in the following figure.



CYCLING KU-RING-GAI

 ON-ROAD BICYCLE ROUTE	 VERY STEEP HILL
 OFF-ROAD BICYCLE ROUTE	 LONG CLIMB
 USEFUL UNMARKED ROUTE	
 INCREASED TRAFFIC STRESS	
 SELECTED MOUNTAIN BIKE TRAIL	

Outside the boundary of the Ku-ring-gai local government areas, only major bicycle routes are shown for continuity. Other local routes may exist in these areas.

 Chatswood	 RAILWAY, WITH STATION
	 TRAFFIC LIGHT OR PEDESTRIAN CROSSING
	 POLICE STATION

Only notably long or steep climbs are indicated. The area covered by this map is hilly and almost all rides will involve at least some hill climbing.

4.0 Proposed Construction Traffic Management Plan

4.1 Construction Vehicles

Generally, construction vehicles will have origins and destinations from a wide variety of locations throughout Sydney. However, all construction vehicles will be restricted to the State and Regional road network.

Dedicated construction vehicle routes have been developed with the aim to provide the shortest distances to/from the arterial road network while minimising the impact of construction traffic on streets within the vicinity of the site. As such, the dedicated construction vehicle routes to access to/from the Pacific Highway and Delhi Road.

During school drop off (8am-9.30am) and pick up (2.30pm-4pm), construction traffic will not use the portion of Eton Road that runs along the school's frontage. It is noted that the above restriction is not applicable to construction vehicle access to/from Duston Grove.

Truck drivers will be advised of the designated truck routes to/ from the site. No queuing or marshalling of trucks will be permitted on public roads in the vicinity of the site. Truck marshalling area (TMA) will be provided within the bus loop (see the following figure) to the east of Roxy Place Lindfield. Hindmarsh has informed Transdev on the use of the bus loop as a marshalling area, noting that bus access to/from the existing bus stop would be prioritised at all times. Truck movements and standing without the bus loop will also be programmed to occur outside of the scheduled bus arrival to/departure from the bus stop to ensure no conflicts with the buses using the loop.

In addition, Hindmarsh has confirmed that the loop road is structurally adequate to accommodate the truck loads expected.



Construction activities at the site will generate vehicle trips primarily along the Eton Road are shown in the following figure.



Source: Commercial TC

The estimated number of construction vehicle movements per day during the construction stages are detailed in the following.

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- Stage 2a: 15 vehicles, 10 - 20 trucks
- Stage 2b: 12 vehicles, 8 trucks
- Stage 2c: 6 vehicles, 4 trucks

Construction vehicles in relation to the proposed development include:

- 12.5m Heavy Rigid Vehicles (HRV)
- 18.1m Truck and Dog Trailers
- Infrequent use of 19m semi for special deliveries
- Concrete pumper and agitator vehicles during building works
- 6.4m small rigid vehicle (SRV) and 8.8m medium rigid vehicle (MRV) for other deliveries.

4.2 Other General Requirements for Trucks

All exiting trucks shall be loaded to their prescribed weight limits. All drivers of vehicles transporting loose materials will be required to ensure the entire load is covered using a tarpaulin or similar impervious material. The vehicle driver will need to take all precautions to prevent any excess dust or dirt particles depositing onto the roadway during travel to and from the site.

Truck shaker grids and wheel wash stations shall be positioned at all entry/exit points. The respective trades will be inducted by the head contractor into the above procedures and will monitor all trucks entering and exiting the site to ensure the procedures are met.

The contractor will be required to monitor the roadways leading to and from the site on a daily basis and take all necessary steps to rectify any adversely impacted road deposits caused by site vehicles. The roads will also be cleaned on a regular basis to minimise dirt particles depositing externally from the site. Such cleaning will occur in the evenings outside of peak traffic period.

Vehicles traveling to, from and within the site shall not create unreasonable or

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unnecessary noise or vibration to minimise interference to adjoining building operations. No tracked vehicles will be permitted or required on any paved roads. Public roads and access points will not be obstructed by any materials, vehicles, refuse skips or the like, under any circumstances.

All deliveries and works will be carried out within the site at the designated works zone and site. If there is a requirement to operate any material handling machinery on public access roads, the contractor will be required to seek separate Council/Police/RMS/Buses approval prior to the works.

The contractor will ensure that:

- No vehicle shall make deliveries outside Council's approved DA site hours
- All delivery vehicles will arrive at pre-arranged times to site.
- No queuing or marshalling of trucks shall occur on the public road. Any vehicles that arrive to site that are unable to be accommodated within the designated marshalling area or the site as outlined in this CVPPM shall be sent back to their origin.
- All vehicles arriving to the construction site shall strictly adhere to the speed limit.
- This CTMSP and all relevant plans shall be given to all transport companies associated with the site and expected to pass relevant information to its personnel and truck drivers arriving to site.

4.3 Occupational Health and Safety

Any workers required to undertake works or traffic control within the public domain shall be suitably trained and will be covered by adequate and appropriate insurances.

All traffic control personnel will be required to hold RMS accreditation in accordance with Section 8 of Traffic Control at Worksites.

4.4 Site Access

Site accesses to the construction site is proposed via the following new and existing 4 gates:

- Dunstan Grove Gate: New primary access for construction materials delivery vehicles and Rural Fire Service vehicles.
- Gate 1: existing access off Dunstan Grove for workers/visitors access only
- Gate 2: existing (secondary) access off Dunstan Grove for construction materials delivery vehicles
- Gate 3: existing access off Eton Road for construction materials delivery vehicles towards the south-eastern end of the site

The largest vehicle that will use the access points along Dustan Grove (Dunstan Grove Gate and Gate 2) will be a 12.5-metre heavy rigid vehicle (HRV) while the largest vehicle that will use Gate 3 will be a 19-metre semi.

Sufficient manoeuvring area has been provided on-site and the provision of an internal access road ensure construction vehicles can enter and exit in a forward direction via Dunstan Grove Gate and Gate 3.

Trucks accessing Gates 1 and 2 will enter the loading area in a forward direction from Dunstan Grove. On departure, the trucks will reverse onto Dunstan Grove and turn around via the roundabout to the southwest prior to traveling on Dunston Grove towards Eton Road in a forward direction.

All vehicle entering and exiting the site and the TMA will be completed under the management of 4 traffic controllers:

- 1 mobile traffic controller: Dunston Grove Gate, Gate 1, Gate 2
- 1 static traffic controller: Gate 3
- 1 static traffic controller: TMA
- 1 spare mobile traffic controller: To assist the controllers designated at Dunston Grove Gate, Gate 1, Gate 2, Gate 3 and TMA.

The traffic controllers will escort all truck movements in and out of the gates/TMA as well as well as to manage resident vehicle access along Dustan Grove and pedestrian access across Dunstan Grove.

The management procedures for truck arrival and departure along the accesses on Dunston Grove is illustrated in the figure overleaf.

Swept path analysis was completed for the largest vehicle expected to access the gates, is provided in Appendix C of this report. The swept path assessment has been completed with AutoTURN in accordance with AS2890.2-2018 for commercial vehicles.

4.5 Construction Hours

The construction activity will be carried out between the following hours:

7.00am – 6.00pm	Monday to Friday
8.00am – 1.00pm	Saturday
No work	Sunday and public holidays

Delivery of materials to and from the site, will be restricted during school zone hours between 8:00am – 9:30am and 2:00pm – 4:00pm on school days. Rock breaking, rock hammering, sheet piling, pile driving, and similar activities may only be carried out between the following hours:

9.00am – 12.00pm, 2.00pm – 5.00pm	Monday to Friday
9.00am – 12.00pm	Saturday
No work	Sunday and public holidays

Noise from construction activities shall comply with the Protection of the Environmental Operations (Noise Control) Regulation 2000.

Should night works is required, these works will be undertaken in accordance with:

Dunstan Truck Procedure

- All trucks check into Truck Marshal at bus loop to ensure no trucks queue in Dunstan or Eton.
- Truck marshal calls Dunstan Controller to confirm gate / area is ready to receive truck.
- Gate is opened to allow truck immediate entry into site.
- Truck enters either via reverse or drive in.
- Truck remains completely off Dunstan Road not obstructing any lane of traffic for unloading.
- Empty truck then waits for Dunstan controller to confirm traffic is clear.
- Truck either reverses out or drives out.
- Truck passes bus loop before next truck is marshalled.

Truck Marshal
at Bus Loop



Traffic Controller
with Radio
comms to other
3 x controllers

Dunstan Grove

University of
Technology
Sydney,
Kuring-gai...

Gate 2
Material
Access

Gate 1
Material
Access

Gate 3
Controller

Spare 4th controller
available to assist
other controllers as
required



HOME FIRST Brokerage

Charles Bean Oval
Bicycle Racks

Dunstan Grove

Eton Rd

Dunstan Grove

Plywood fenced
Site Personnel
Access

Dunstan Gate for
future truck and
RFS access to rear
of site

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- the Roads and Maritime Services Environmental Noise Management Manual (RTA 2001): Practice Note vii – Road works outside normal working hours
- the Office of Environment and Heritage Interim Construction Noise Guideline (DECC 2009).

Prior notice would be given to the community for works planned outside the above standard construction hours.

4.6 Construction Workers Transportation Strategy

It is anticipated that there will be 250-350 approx. workers on-site during the various construction stages. The Construction Workers Transportation Strategy is developed to minimise the impact of construction workers accessing the site by vehicular means with respect to available parking in surrounding streets.

Strategies

No on-site car parking spaces will be provided. Signs (see the following figure) indicating no on-site parking have been installed on both sides of Eton Road to make workers/visitors aware of such parking restrictions.

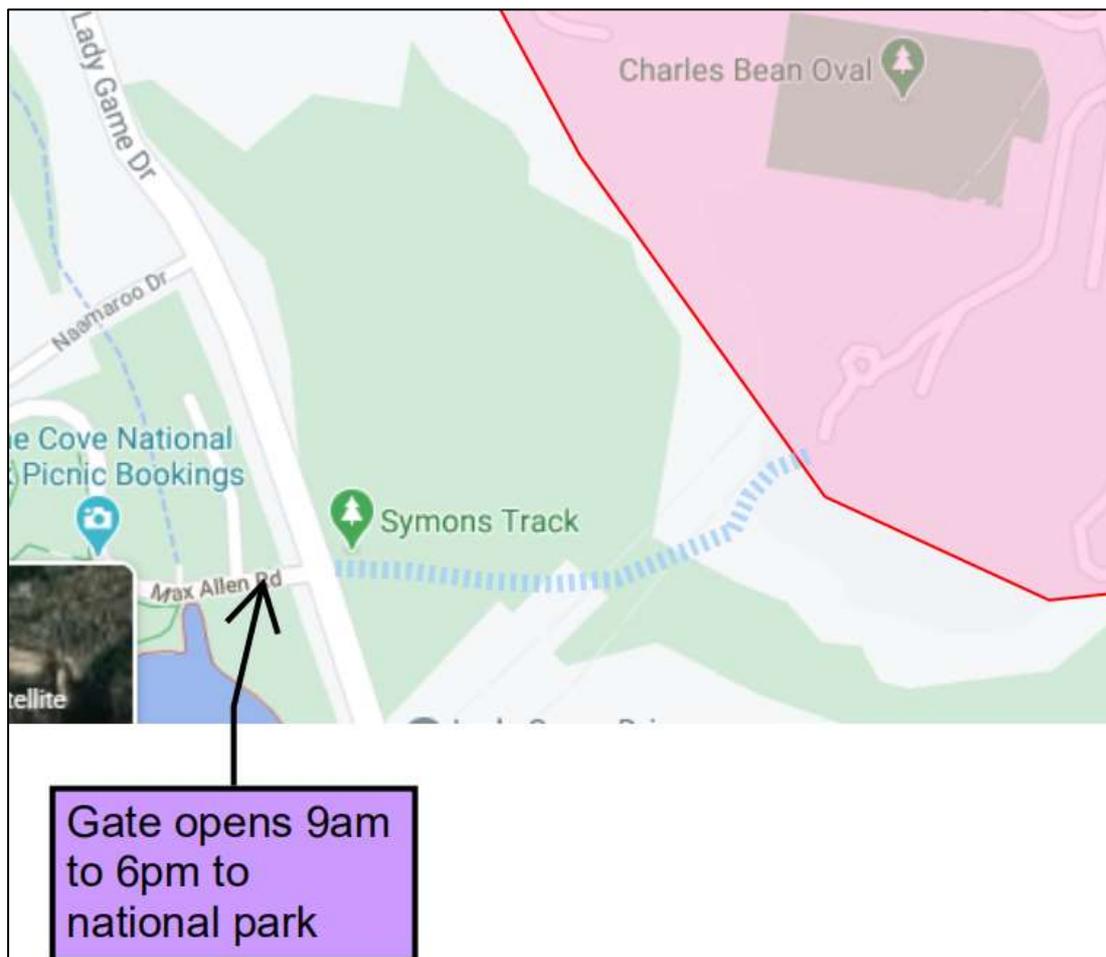


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The workers will be reliant on the on-street parking spaces along the both sides of Eton Road.

All construction vehicles associated with the site shall be parked wholly within the site. A tool drop-off and storage facility would be provided within the site boundary near the site access. This would allow tradespeople to drop off and store their tools and machinery, allowing them to use public transport to travel to/ from the site on a daily basis. This will be incorporated into the site induction program, ensuring construction workers are aware of the construction worker transportation strategy.

Visitors of the site would be advised to park at the public parking within the Lane Cove National Park which is located 350m to the west of the site. It is noted that the gate to the park opens between 9am and 6pm. Access between the park and the site is via the existing Symons Track as shown in the following figure.



Public Transport Strategies

All workers will be encouraged to use public transport to access the site given the site's proximity to convenient public transport services.

Bus: Access to the Metropolitan Transport Network for the site is currently provided by the bus services which run along Eton Road with the nearest bus stop located on Eton Road south of Roxy Place Lindfield Eton Road. The stop is located 280m north of the site boundary currently serviced by route no. 565. This bus route provides connections to Lindfield/Roseville Railway Stations, Chatswood Interchange and Macquarie University during the weekdays and Saturday, allowing access to the wider public transport network with the railway/Metro stations providing services on the T1 – North Shore Line and the CCN – Central Coast, Newcastle Line and Sydney Metro.

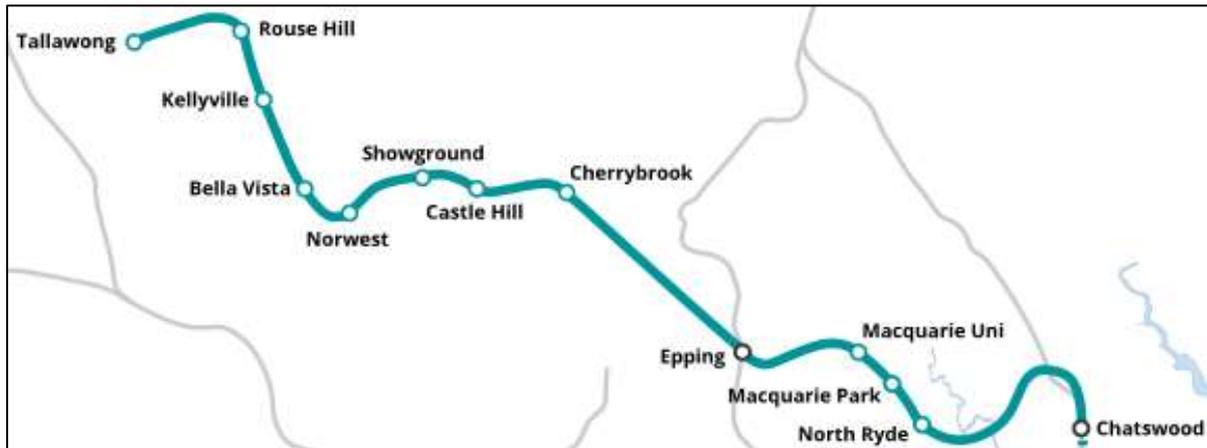
Details of the bus service available are provided in Appendix B

Railway: Lindfield/Roseville Railway Stations are located approximately 1.5km north-east and east of the site and is accessible by bus route 565. These stations provide frequent services on four rail lines, namely T1 – North Shore Line and the CCN – Central Coast and Newcastle Line.

Details of the train services available at the Lindfield/Roseville Railway Stations are provided in Appendix B

Metro Services: The Sydney Metro Northwest provides a rail connection from the existing Chatswood Interchange through to Cudgegong Railway Station. As part of this connection, the train line passes through Chatswood Station which provide an additional train every four minutes during the weekday AM and PM peak periods. The station locations and rail alignment of the Sydney Metro is shown in the following figure.

Details of the Metro services available at the Chatswood Station are provided in Appendix B.



Details of the Sydney Metro services available at the Chatswood Interchange are provided in Appendix B.

Carpooling

Workers will be encouraged to carpool wherever possible to minimise the number of cars accessing area. Street parking opportunities sufficient enough for this project can be found along the both sides of Eton Road.

Shuttle

Additional shuttle service will be provided by the Village to transport workers between the Lindfield Railway Station/the on-street parking along Eton Road and the site

4.7 Works Zone

Works zone is not expected to be required during the construction program. All works associated with this development shall take place on site. As such, separate Council / RMS approved works zone applications are not required.

4.8 Cranage and Materials Handling

A mobile crane will be utilised for materials handling within the loading area within the site, and specific areas will be available for loading/unloading, materials handling and storage, and worker sheds, etc. Light materials will be loaded/unloaded directly to/from

trucks standing within the loading area and the site using either forklifts or trolleys. All materials will be transported and stored on the site.

4.9 Site Induction

All workers and visitors employed on the site by the appointed contractor (including sub-contractors) will be required to undergo a formal 'site induction' process and all the inductions will be performed specifically to each trade according to Workcover OH&S requirements.

The induction will include details of approved access routes to and from the construction site for site staff and delivery vehicles, parking arrangements, as well as standard environmental, WHS, driver protocols and emergency procedures. The agreed work hours must be included as part of this induction.

The induction will also include the delivery of Driver Code of Conduct (see Appendix D) to encourage compliance and acceptance by all heavy vehicle drivers servicing the site.

4.10 Traffic Guidance Scheme

The TGS presents the principles of traffic management, with the detailed information for worksite operations is contained in the TCWS. The control of traffic at work sites must be undertaken with reference to WorkCover requirements and the contractor's Constructions Workplace Health and Safety Manuals.

Adequate advanced warning and directional signage will be placed around the site. This will direct drivers to the construction site and inform other drivers and pedestrians of upcoming works on their route.

The TGS prepared by the Traffic Control contractor (a Certified Traffic Controller under RMS regulations) as required throughout the process and in accordance with Australian Standards 1742.3, for all construction processes are provided in Appendix E.

4.11 Pedestrian Management

Pedestrians walking on the footpaths surrounding the site will be protected by temporary construction fencing.

An accredited traffic controller will be present at the site access to manage pedestrian movements and assist with vehicle's ingress and egress. This shall ensure movements shall not affect traffic flow or endanger pedestrians, by giving way to pedestrians during truck arrivals and departures.

Only one vehicle at a time will enter or exit the site at these accesses. Therefore, the provision of one traffic controller is considered appropriate to manage/monitor the construction and pedestrian traffic.

RMS accredited traffic controllers will be in place before work starts to manage early construction vehicle arrivals. They will supervise all vehicle and materials movements into and out of the site at all times.

Such provision will allow for the pedestrians to safely use the footpath

4.12 Hoardings

Temporary construction fencing will be installed along the site boundary.

4.13 Impact on Public Transport Services

The heavy vehicle haulage routes will largely be limited on arterial and sub-arterial roads which are designed to accommodate heavy vehicle movements. As such, the impacts on public transport services will be minimal on the approach/departure routes.

While the truck route will overlap with this bus route during the construction period, it is not expected that traffic generation of no more than 20 vehicle visitations per day would be adverse to the efficiency of the existing bus service.

The queuing of delivery vehicles will be clear of buses (based the timetable and avoid the 10-minute window if on bus route (\pm 5 minutes)).

4.14 Impact on Staff Parking

It is noted that the existing lower staff carpark on the south-western side of the site will be occupied for the purposes of material handling and laydown zones and site amenities. This would result in the temporary loss of 63 staff parking spaces. Based on consultation with the Village, the parking demand associated with the carpark will be accommodated within the existing on-grade upper carpark to the north of Gate 3.

4.15 Impact on Pedestrians

During construction, pedestrian (residents and students) movements along the perimeter of the site are to operate and be maintained as existing. All construction-related traffic movements along the Eton Road and Dunstan Grove will occur under the supervision of accredited traffic controllers, with trucks escorted between the site access and Eton Road/Dunstan Grove.

4.16 Public Notification

All public notifications are managed via the SINSW communications team. Temporary advance warning signs will advise motorist of their approach to the work site.

4.17 Contact Details

The contact details for the day to day activities on the site will be the Hindmarsh Construction Site Manager:

Andrew Barkby

T 02 9274 1137

M 0414 899 334

E andrew.barkby@hindmarsh.com.au

Appendix A

Architectural Plans

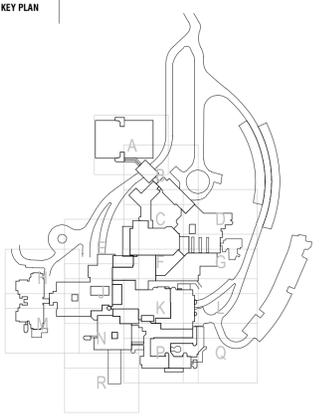
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Figured dimensions take preference to scale readings. Verify all dimensions on site. Report any discrepancies to the Architect for decision before proceeding with the work.

Nominated Architects:
 Sandeep Amin 7517 | Ian Armstrong 7260 | Richard Doss 8126 | Cathryn Drew-Brodin 7269 | May Anne McGin 10846

No	DATE	REVISIONS	BY
A	15/05/2020	ISSUE FOR TENDER	PA



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SERVICES ENGINEER	ERBAS AND ASSOCIATES Ph: (02) 9437 1022
FIRE ENGINEER	STEPHEN GRUBITS & ASSOC. Ph: (02) 92471444
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ARCHITECT

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 Architecture Urban Design Interiors



PROJECT | LINDFIELD LEARNING VILLAGE
 100 ETON RD, LINDFIELD NSW 2070

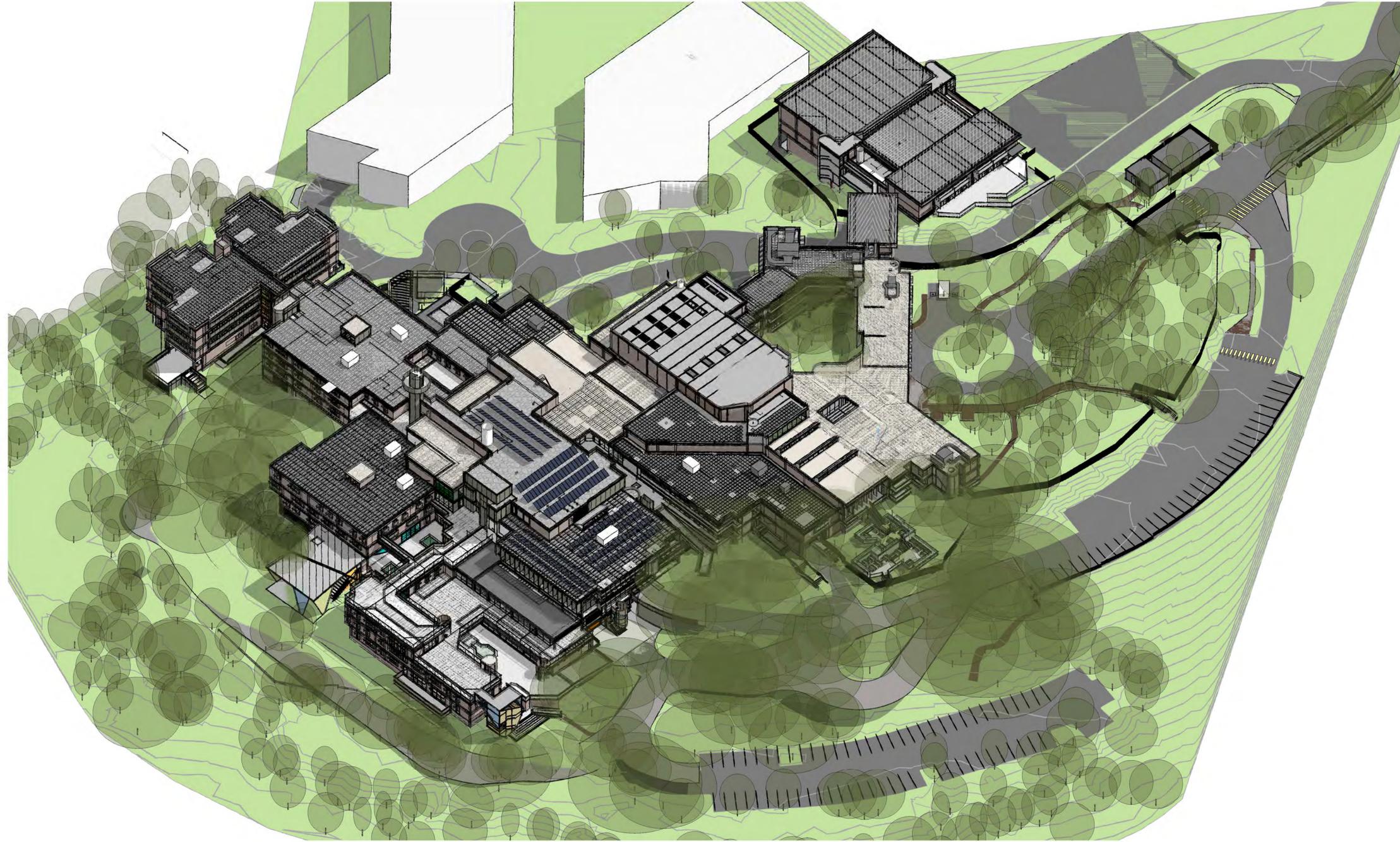
TITLE | COVER SHEET

DRAWN BY	HC, RK, NT, CS, YY, TG, FA
SCALES	@ A1
PLOT DATE	26/04/2017
PROJECT N°.	P19-006
DRAWING N°.	AR-2-0000
DRAWING STATUS	FOR TENDER
REVIEWED BY	RG
SIGNATURE	
DATE	
REVISION	A

QUALITY CERTIFIED ISO 9001

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TENDER



LINDFIELD LEARNING VILLAGE STAGE 2 - TENDER ISSUE

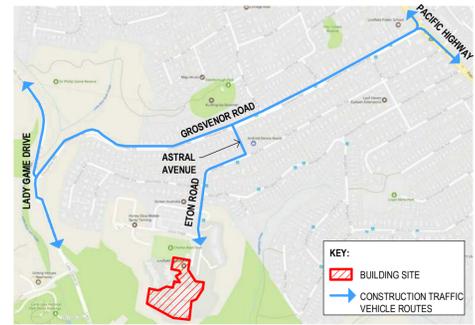
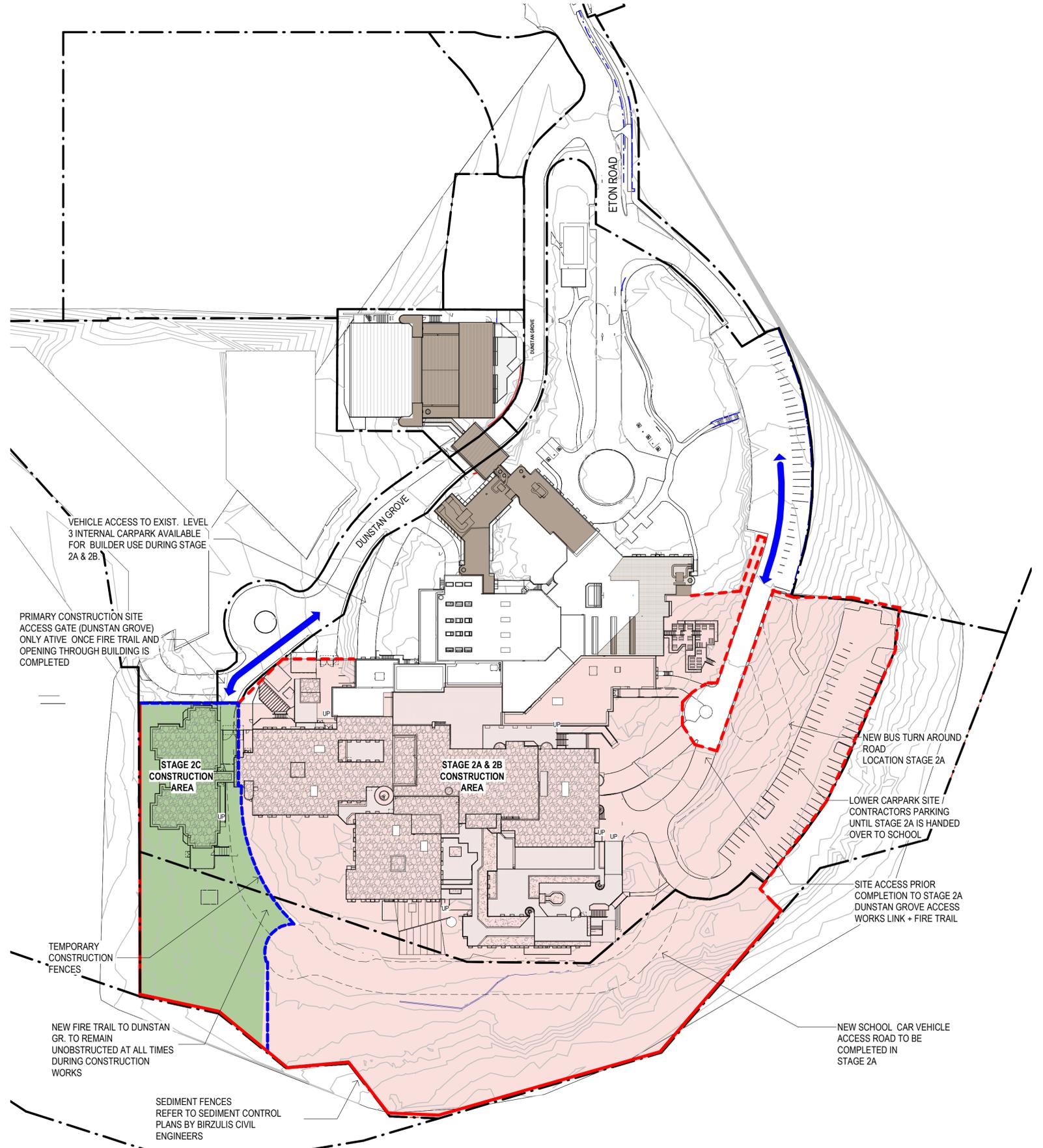
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Figured dimensions take preference to scale readings. Verify all dimensions on site. Report any discrepancies to the Architect for decision before proceeding with the work.

Nominated Architects:
 Sandeep Amin 7517 | Ian Armstrong 7260 | Richard Doss 8126 | Cathryn Drew-Brodin 7269 | May Anne McGin 10846

No	DATE	REVISIONS	BY
A	15/05/2020	ISSUE FOR TENDER	PA



LOCATION PLAN & CONSTRUCTION VEHICLE ROUTES

CONSTRUCTION TRAFFIC MANAGEMENT PLAN NOTES

- Construction Activity:**
- Builders site offices to be set up within stage 2C parts of the building.
 - The Contractor's compound will be set up within the existing building.
 - During stage 2A construction works sections to the southern site areas and lower carpark will be available for site drop off, loading and deliveries. Once stage 2A works are completed and in operation main construction vehicle access will be from Dunstan Grove and sections to the south west of the site will be available for site drop off, loading and deliveries.
 - The lower and internal carpark will be available for Contractors onsite parking. Lower carpark will be handed over to the school once stage 2A works are completed and active by the school.

- Access:**
- Site Access: Primary Vehicular Access to and from the site shall be from Dunstan Grove. The site access gate will be set up at the end of Dunstan Grove within the Site. Access to Dunstan Grove and Shout Ridge Road shall be unaffected.
 - Road Access: The main arterial road to the North East of the site is the Pacific Highway and to the South West is Lady Game Drive, with Grosvenor Road used as the main link road between the two. See the Construction Traffic vehicle route diagram.
 - Existing and new fire trail access to Dunstan Grove must be kept clear and unobstructed at all times during construction.

- Traffic Management:**
- Local Impact: The site is accessed by the existing road network and no significant impact to the local traffic or the local environment is envisaged.
 - Traffic Control: Disruption to all road users during the construction period would be kept to a minimum.

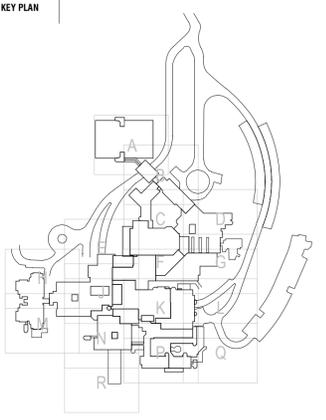
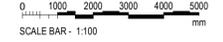
For further information see Anup Traffic and Transport Assessment dated August 2019 - Construction Traffic Management Plan. construction traffic management plan must be developed and managed by contractor.

- SITE NOTES**
- SITE FENCE TO ENCOMPASS FULL SITE BOUNDARY
 - ALL ACCOMMODATION CONSIGNAGE TO BE CONTAINED WITHIN THE SITE
 - TRAFFIC CONTROL IN PLACE FOR TRUCKS ENTERING / EXITING THE SITE
 - SPECIFIC TREE MEASURES TO BE IDENTIFIED FOR TREES TO BE RETAINED.

LEGEND

	TEMPORARY SITE FENCE STAGE 2A
	TEMPORARY SITE FENCE STAGE 2C
	SITE ACCESS
	STAGE 2A & 2B CONSTRUCTION AREA
	STAGE 2C CONSTRUCTION AREA
	REPURPOSING STAGE 1 CONSTRUCTION AREA

NOTE:
DRAWING TO BE PRINTED IN COLOUR



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PROJECT
 LINDFIELD LEARNING VILLAGE
 100 ETON RD, LINDFIELD NSW 2070

TITLE
 SITE SETUP PLAN

	DRAWN BY	TG, CS, HC, RK	REVISION
	SCALES	As indicated @ A1	
	PLOT DATE	29/03/2017	
PROJECT N°.	P19-006		
DRAWING N°.	AR-2-2060		A
DRAWING STATUS FOR TENDER	REVIEWED BY	SIGNATURE	DATE
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FOR TENDER

Appendix B

Public Transport Provision



Manly Wharf Service Information

Departure Guide



Stand	A	B	C	D	E	F	G	H
	132 E71	143 144	136 139 135	135	E70	142 E50	146 158 159 169 199	151
			to North Head.				to Warringah Mall.	
							to Mona Vale.	



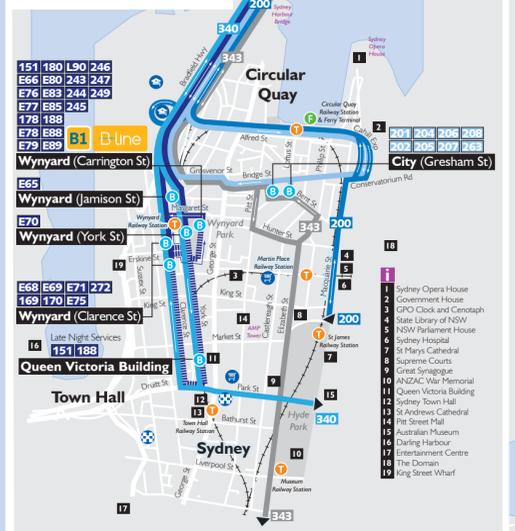
Passengers Please Note:
Other bus services operate in this area and may not be shown on this map. Please refer to the Western Region Guide for a comprehensive listing of these other services.

As at 17 November 2019
Cartography by TransitGraphics

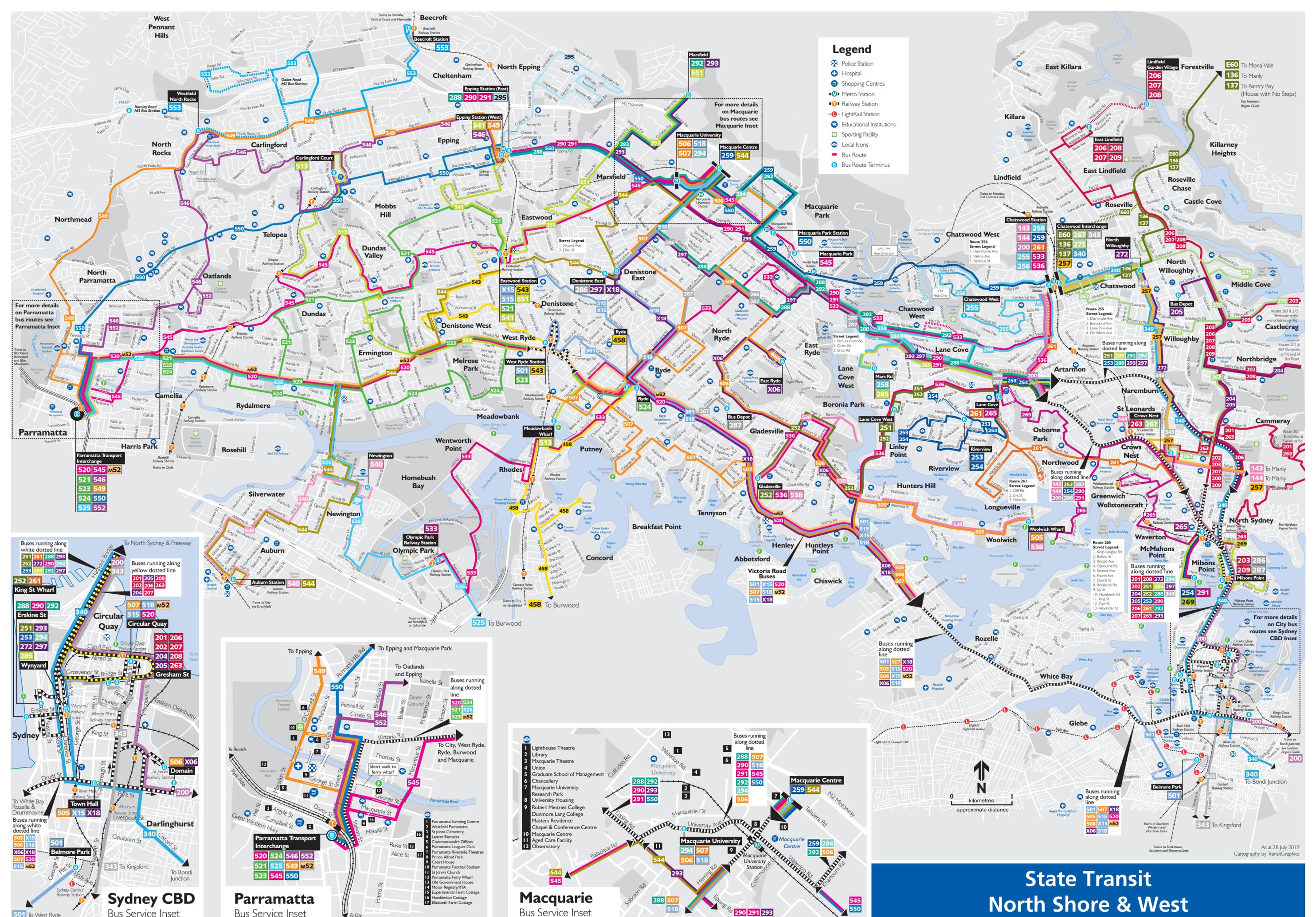
- Legend**
- Police Station
 - Park and Ride
 - Hospital
 - Shopping Centres
 - Metro Station
 - Railway Station
 - Educational Institutions
 - Sporting Facility
 - Place of Interest
 - Bus Route
 - Bus Route Terminus

State Transit Northern Beaches & Lower North Shore

Sydney CBD Bus Service Inset



State Transit Services do not operate in this area.
Please call 131 500 for information.



Legend

- Police Station
- Hospital
- Shopping Centres
- Metro Station
- Railway Station
- LightRail Station
- Educational Institutions
- Sporting Facility
- Local Icons
- Bus Route
- Bus Route Terminus

For more details on Parramatta bus routes see Parramatta Inset

520	545	M52
521	546	
523	549	
524	550	
525	552	

For more details on Sydney CBD bus routes see Sydney CBD Inset

251	261	288	293
252	272	290	294
253	285	292	297
288	290	292	
251	293		
253	294		
272	297		
285			
201	206		
202	207		
204	208		
205	263		
506	X06		
505	X15	X18	
506	X18		
507	520		
518	M52		

For more details on Parramatta bus routes see Parramatta Inset

520	524	546	552
521	525	549	M52
523	545	550	

For more details on Macquarie bus routes see Macquarie Inset

288	292		
290	293		
291	550		
292	550		
294			
506			
259	544		
294	507		
506	518		
290	291	293	
288	507	518	
544	545		

State Transit North Shore & West

Buses around the Northern Beaches



City

- B** Catch a B1 B-Line bus from Warringah Mall, Pittwater Rd, Stand B to City Wynyard.
- F** Catch an F1 ferry from Manly Wharf to Circular Quay.

Manly

- B** Catch a bus from Warringah Mall, Pittwater Rd, Stand A to Manly.

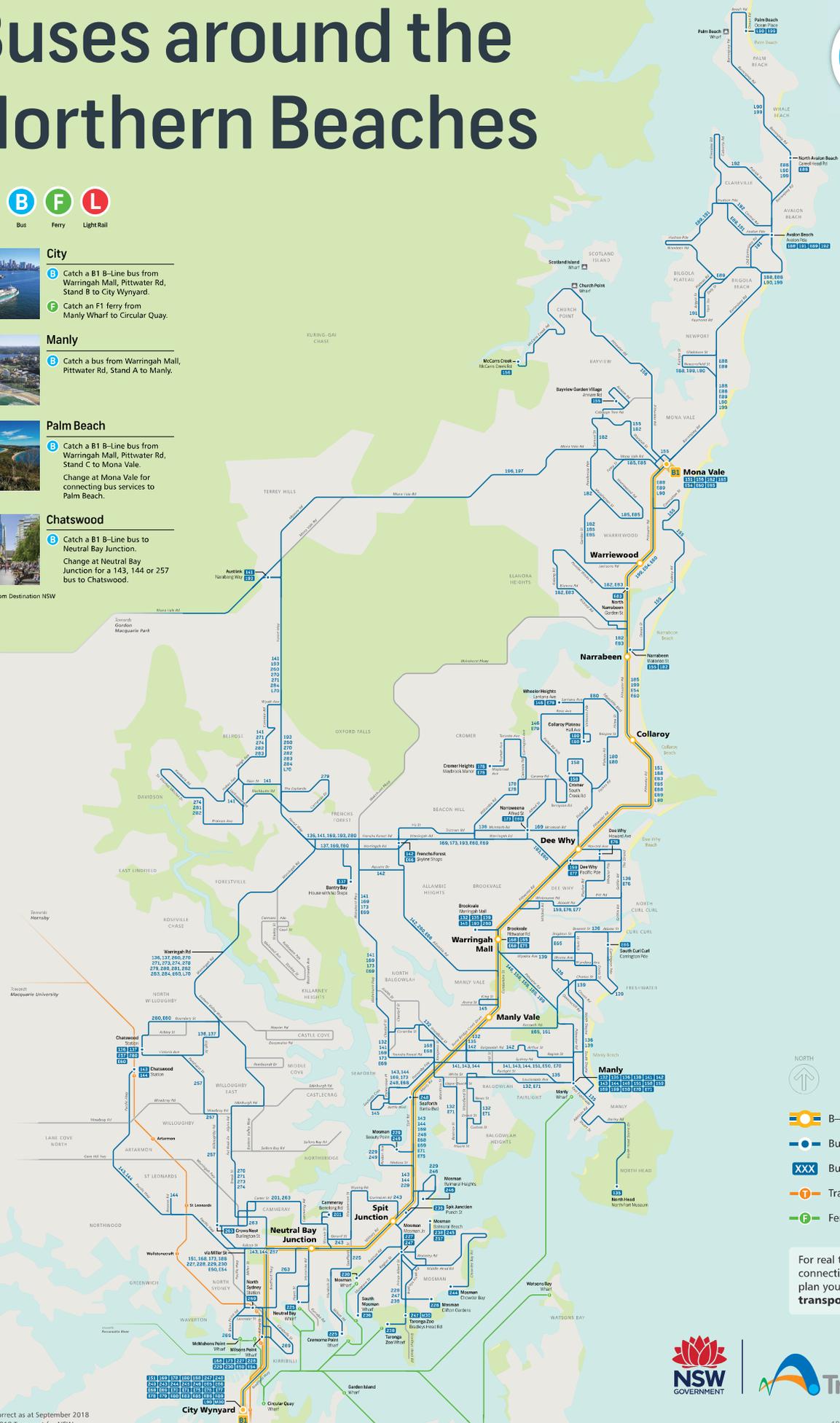
Palm Beach

- B** Catch a B1 B-Line bus from Warringah Mall, Pittwater Rd, Stand C to Mona Vale. Change at Mona Vale for connecting bus services to Palm Beach.

Chatswood

- B** Catch a B1 B-Line bus to Neutral Bay Junction. Change at Neutral Bay Junction for a 143, 144 or 257 bus to Chatswood.

*Images from Destination NSW



- B-Line stop
- Bus route terminus
- Bus route number
- Train station
- Ferry wharf

For real time service and connection information plan your trip at transportnsw.info



How to use this timetable

This timetable provides a snapshot of service information in 24-hour time (e.g. 5am = 05:00, 5pm = 17:00). Information contained in this timetable is subject to change without notice. Please note that timetables do not include minor stops, additional trips for special events, short term changes, holiday timetable changes, real-time information or any disruption alerts.

For the most up-to-date times, use the Trip Planner or Departures at transportnsw.info

Real-time planning

You can plan your trip with real-time information using the Trip Planner or Departures at transportnsw.info or by downloading travel apps on your smartphone or tablet.

The Trip Planner, Departures and travel apps offer various features:

- favourite your regular trips
- see where your service is on the route
- get estimated pick up and arrival times
- receive service updates
- find nearby stations, stops, wharves and routes
- check accessibility information.

Find the latest apps at transportnsw.info/apps

Accessible services

All new buses are wheelchair-accessible with low-level floors and space for wheelchairs, prams or strollers. Look for the  symbol in this timetable. Some older buses may not have all the features you need. There will be more accessible services as older buses are replaced.

Who is providing my bus services?

The bus services shown in this timetable are run by Transdev NSW.

Fares

In Sydney and surrounding regions, fares are based on:

- the distance you travel from tap on to tap off
- the mode of transport you choose
- whether you're eligible for a concession fare or free travel
- any Opal benefits such as discounts and capped fares that apply.

You can use an Opal card or a contactless payment to pay for your travel.

Opal cards

An Opal card is a smartcard you keep and reuse. Add value before you travel and tap on and tap off to pay your fares throughout Sydney, the Blue Mountains, the Central Coast, the Hunter and the Illawarra.

Which Opal card is right for you?

Adult – Customers 16 years or older who are not entitled to any concessions and normally pay full fare.

Child/Youth – For customers aged 4-15 (inclusive), or customers 16 years or older who hold a NSW/ACT Senior Secondary Student Concession Card.

Gold Senior/Pensioner – For eligible NSW and interstate seniors, pensioners, war widows/ers and asylum seekers.

Concession – For eligible tertiary students, job seekers, apprentices and trainees.

How to get an Opal card

You can get an Adult or Child/Youth Opal card over the counter at Opal retailers that display the Opal sign . To find your nearest retailer visit transportnsw.info/opal.

If you are eligible to travel with concession fares you can apply for a Gold Senior/Pensioner or Concession Opal card online. Visit transportnsw.info/opal for more information.

Contactless payments

If you have an American Express, Mastercard, Visa card or linked device, you can use it to pay for all public transport on the Opal network. Just make sure to tap on and tap off at Opal readers at the beginning and end of your trip.

Always separate your cards when you tap on and tap off so your preferred card is charged.

You will receive the same travel benefits of an Adult Opal card when you tap on and tap off consistently with the same credit card, debit card or linked device. This includes daily, weekly and weekend travel caps, and a \$2 transfer discount when you change between metro/train, ferry, bus and light rail services within 60 minutes. Adult Opal fare pricing applies.

Find out more at transportnsw.info/contactless

Explanation of definitions and symbols

	Wheelchair Accessible
M	Bus diverts from Pacific Highway via MacLaurin Pde, Kings Avenue, Alexander Pde and Findlay Avenue on school days only
A	Bus operates direct from West Killara to Lindfield, not via CSIRO
C	Bus diverts from Lindfield Station via Pacific Highway, Cecil Street, Norfolk Street, Spencer Road, Calvert Avenue, Mildura Street, Golf Links Road, Fiddens Wharf Road to Beaumont Road
D	Bus diverts from Pacific Highway via Findlay Avenue, Alexander Pde, Kings Avenue and MacLaurin Pde on school days only

565

Macquarie University to Chatswood

B

Valid from: 20 July 2020

Creation date: 15 Sept 2020

NOTE: Information is correct on date of download.

Monday to Friday	♿	♿	♿	♿	♿	♿	♿	♿	♿
Macquarie University Campus Interchange, Macquarie Park	-	-	-	06:56	-	-	07:54	-	-
Macquarie Centre, Macquarie Park	-	-	-	07:00	-	-	08:00	-	-
Beaumont Rd at Montreal Ave, Killara	06:19	06:49	06:58	07:13	07:43	08:06	08:15	-	08:43
Bradfield Rd opp CSIRO Lindfield, Lindfield	06:24	06:55	07:04	07:15	07:50	08:13	08:22	-	08:49
Lindfield Station	06:32	07:03	07:13	07:27	08:00	08:23	08:32	08:40	08:58
Eton Rd bus bay, Lindfield	06:37	07:08	-	07:36	08:05	08:29	08:40	08:48	09:03
Roseville Station	-	07:15	-	07:44	-	08:37	08:48	-	09:13
Chatswood Station	-	07:24	-	07:54	-	08:47	09:00	-	09:22

Monday to Friday	♿	♿	♿	♿	♿	♿	♿	♿	♿
Service Information							M		
Macquarie University Campus Interchange, Macquarie Park	09:15	10:05	11:05	12:05	13:05	14:00	-	-	15:45
Macquarie Centre, Macquarie Park	09:18	10:08	11:08	12:08	13:08	14:03	-	-	15:48
Beaumont Rd at Montreal Ave, Killara	09:30	10:20	11:20	12:20	13:20	14:15	14:48	15:30	16:05
Bradfield Rd at Booraba Ave, Lindfield	-	-	-	-	-	-	-	15:37	-
Bradfield Rd opp CSIRO Lindfield, Lindfield	09:34	10:24	11:24	12:24	13:24	14:19	14:54	15:39	16:11
Lindfield Station	09:43	10:33	11:33	12:33	13:33	14:28	15:03	15:47	16:20
Grosvenor Rd opp Ortona Rd, Lindfield	-	-	-	-	-	-	15:08	-	-
Eton Rd bus bay, Lindfield	09:48	10:38	11:38	12:38	13:38	14:33	15:13	15:53	16:26
Roseville Station	09:55	10:45	11:45	12:45	13:45	14:40	15:23	15:59	16:32
Chatswood Station	10:02	10:52	11:52	12:52	13:52	14:47	15:38	16:07	16:40

Monday to Friday	♿	♿	♿	♿	♿	♿	♿	♿	♿
Service Information	A		A					A	A
Macquarie University Campus Interchange, Macquarie Park	-	16:25	-	17:05	17:42	18:32	19:00	-	-
Macquarie Centre, Macquarie Park	-	16:28	-	17:08	17:45	18:35	19:03	-	-
Beaumont Rd at Montreal Ave, Killara	-	16:45	-	17:25	18:00	18:50	19:18	-	-
Bradfield Rd opp CSIRO Lindfield, Lindfield	-	16:51	-	17:31	18:06	18:56	19:24	-	-
Beaumont Rd at Anembo Cres, Killara	A 16:23	-	17:03	-	-	-	-	A 19:28	19:58
Lindfield Station	16:31	17:00	17:11	17:40	18:15	19:05	19:33	19:33	20:03
Eton Rd bus bay, Lindfield	16:37	17:06	17:17	17:46	18:21	19:10	19:38	-	-
Roseville Station	-	17:12	-	17:52	-	-	-	-	-
Chatswood Station	-	17:20	-	18:00	-	-	-	-	-

Monday to Friday	♿	♿	♿
Service Information		A	
Beaumont Rd at Anembo Cres, Killara	-	20:29	-
Lindfield Station	20:03	20:34	20:34
Eton Rd bus bay, Lindfield	20:08	-	20:39

Saturday	♿	♿	♿	♿	♿	♿	♿	♿	♿
Macquarie University Campus Interchange, Macquarie Park	-	09:15	10:15	11:15	12:15	13:15	14:15	15:15	16:15
Macquarie Centre, Macquarie Park	-	09:18	10:18	11:18	12:18	13:18	14:18	15:18	16:18
Beaumont Rd at Montreal Ave, Killara	08:28	09:28	10:28	11:28	12:28	13:28	14:28	15:28	16:28
Bradfield Rd opp CSIRO Lindfield, Lindfield	08:33	09:33	10:33	11:33	12:33	13:33	14:33	15:33	16:33
Lindfield Station	08:42	09:42	10:42	11:42	12:42	13:42	14:42	15:42	16:42
Eton Rd bus bay, Lindfield	08:47	09:47	10:47	11:47	12:47	13:47	14:47	15:47	16:47
Roseville Station	08:53	09:53	10:53	11:53	12:53	13:53	14:53	15:53	16:53
Chatswood Station	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00

565**Macquarie University to
Chatswood****B****Sunday & Public Holidays**

						
Macquarie University Campus Interchange, Macquarie Park	-	09:15	11:15	13:15	15:15	17:15
Macquarie Centre, Macquarie Park	-	09:18	11:18	13:18	15:18	17:18
Beaumont Rd at Montreal Ave, Killara	08:28	09:28	11:28	13:28	15:28	17:28
Bradfield Rd opp CSIRO Lindfield, Lindfield	08:33	09:33	11:33	13:33	15:33	17:33
Lindfield Station	08:42	09:42	11:42	13:42	15:42	17:42
Eton Rd bus bay, Lindfield	-	09:47	11:47	13:47	15:47	17:47
Roseville Station	-	09:53	11:53	13:53	15:53	17:53
Chatswood Station	-	10:00	12:00	14:00	16:00	18:00

565

Chatswood to Macquarie University

B

Monday to Friday	♿	♿	♿	♿	♿	♿	♿	♿	♿
Chatswood Station	-	-	-	07:37	08:00	-	10:15	11:15	12:15
Roseville Station	-	-	-	07:42	08:10	-	10:20	11:20	12:20
Eton Rd bus bay, Lindfield	06:40	-	-	07:48	08:19	09:26	10:26	11:26	12:26
Lindfield Public School, Grosvenor Rd, Lindfield	06:44	-	-	07:52	08:23	09:30	10:30	11:30	12:30
Pacific Hwy opp Lindfield Station, Lindfield	06:47	07:02	07:35	07:55	08:26	09:33	10:33	11:33	12:33
Catholic Parish Of Lindfield-Killara, Pacific Hwy, Lindfield	-	07:03	07:36	07:56	08:27	09:34	10:34	11:34	12:34
CSIRO Lindfield, Bradfield Rd, Lindfield	-	07:08	07:41	08:01	08:33	09:41	10:38	11:38	12:38
Charles St at Fiddens Wharf Rd, Lindfield	-	07:10	07:45	08:05	08:39	09:42	10:39	11:39	12:39
Beaumont Rd at Montreal Ave, Killara	-	-	07:46	08:06	-	-	-	-	-
Beaumont Rd at Anembo Cres, Killara	-	07:13	-	-	08:42	09:45	10:42	11:42	12:42
Macquarie Centre, Macquarie Park	-	07:30	-	-	09:01	09:58	10:56	11:56	12:56
Macquarie University Campus Interchange, Macquarie Park	-	07:33	-	-	09:05	10:02	10:59	11:59	12:59

Monday to Friday	♿	♿	♿	♿	♿	♿	♿	♿	♿
Service Information			C			D			
Chatswood Station	13:10	14:10	14:50	15:05	-	-	15:42	16:09	-
Roseville Station	13:15	14:15	14:55	15:10	-	-	15:54	16:14	-
Eton Rd bus bay, Lindfield	13:21	14:21	15:01	15:20	15:31	-	16:01	16:20	16:41
Lindfield Public School, Grosvenor Rd, Lindfield	13:25	14:25	15:05	15:25	15:36	-	16:05	16:24	16:45
Pacific Hwy opp Lindfield Station, Lindfield	13:28	14:28	15:10	15:28	15:39	16:00	16:08	16:27	16:48
Catholic Parish Of Lindfield-Killara, Pacific Hwy, Lindfield	13:29	14:29	15:14	15:29	15:40	16:01	16:09	16:28	16:49
CSIRO Lindfield, Bradfield Rd, Lindfield	13:34	14:36	-	15:36	15:47	16:08	16:16	16:33	16:56
Charles St at Fiddens Wharf Rd, Lindfield	13:36	14:40	-	15:38	15:49	16:10	16:18	16:35	16:58
Beaumont Rd at Montreal Ave, Killara	-	14:42	15:30	-	-	-	-	-	-
Beaumont Rd at Anembo Cres, Killara	13:39	-	-	15:43	15:54	16:13	16:23	16:40	17:03
Macquarie Centre, Macquarie Park	13:51	-	-	15:55	-	16:25	-	16:53	-
Macquarie University Campus Interchange, Macquarie Park	13:54	-	-	16:00	-	16:28	-	16:56	-

Monday to Friday	♿	♿	♿	♿	♿	♿	♿	♿	♿
Chatswood Station	16:45	-	17:28	-	18:08	-	-	-	-
Roseville Station	16:50	-	17:33	-	18:13	-	-	-	-
Eton Rd bus bay, Lindfield	16:56	17:19	17:39	17:56	18:19	-	19:11	19:41	20:11
Lindfield Public School, Grosvenor Rd, Lindfield	17:00	17:23	17:43	18:00	18:23	-	19:15	19:45	20:15
Pacific Hwy opp Lindfield Station, Lindfield	17:03	17:26	17:46	18:03	18:26	18:50	19:17	19:47	20:17
Catholic Parish Of Lindfield-Killara, Pacific Hwy, Lindfield	17:04	17:27	17:47	18:04	18:27	18:51	19:18	19:48	20:18
CSIRO Lindfield, Bradfield Rd, Lindfield	17:09	17:34	17:52	18:11	18:33	18:56	19:23	19:53	20:23
Charles St at Fiddens Wharf Rd, Lindfield	17:11	17:36	17:54	18:13	18:35	18:58	19:24	19:54	20:24
Beaumont Rd at Anembo Cres, Killara	17:16	17:41	17:59	18:17	18:38	19:01	19:27	19:57	20:27
Macquarie Centre, Macquarie Park	17:29	-	18:18	-	18:56	-	-	-	-
Macquarie University Campus Interchange, Macquarie Park	17:32	-	18:22	-	19:00	-	-	-	-

Monday to Friday	♿
Eton Rd bus bay, Lindfield	20:42
Lindfield Public School, Grosvenor Rd, Lindfield	20:46
Pacific Hwy opp Lindfield Station, Lindfield	20:48
Catholic Parish Of Lindfield-Killara, Pacific Hwy, Lindfield	20:49
CSIRO Lindfield, Bradfield Rd, Lindfield	20:54
Charles St at Fiddens Wharf Rd, Lindfield	20:56
Beaumont Rd at Anembo Cres, Killara	20:59

565**Chatswood to Macquarie University****B****Saturday**

	♿	♿	♿	♿	♿	♿	♿	♿	♿
Chatswood Station	09:02	10:02	11:02	12:02	13:02	14:02	15:02	16:02	17:02
Roseville Station	09:07	10:07	11:07	12:07	13:07	14:07	15:07	16:07	17:07
Eton Rd bus bay, Lindfield	09:13	10:13	11:13	12:13	13:13	14:13	15:13	16:13	17:13
Lindfield Public School, Grosvenor Rd, Lindfield	09:17	10:17	11:17	12:17	13:17	14:17	15:17	16:17	17:17
Pacific Hwy opp Lindfield Station, Lindfield	09:20	10:20	11:20	12:20	13:20	14:20	15:20	16:20	17:20
Catholic Parish Of Lindfield-Killara, Pacific Hwy, Lindfield	09:20	10:20	11:20	12:20	13:20	14:20	15:20	16:20	17:20
CSIRO Lindfield, Bradfield Rd, Lindfield	09:23	10:23	11:23	12:23	13:23	14:23	15:23	16:23	17:23
Charles St at Fiddens Wharf Rd, Lindfield	09:24	10:24	11:24	12:24	13:24	14:24	15:24	16:24	17:24
Beaumont Rd at Anembo Cres, Killara	09:26	10:26	11:26	12:26	13:26	14:26	15:26	16:26	17:26
Macquarie Centre, Macquarie Park	09:40	10:40	11:40	12:40	13:40	14:40	15:40	16:40	17:40
Macquarie University Campus Interchange, Macquarie Park	09:45	10:45	11:45	12:45	13:45	14:45	15:45	16:45	17:45

Sunday & Public Holidays

	♿	♿	♿	♿
Chatswood Station	10:10	12:10	14:10	16:10
Roseville Station	10:15	12:15	14:15	16:15
Eton Rd bus bay, Lindfield	10:21	12:21	14:21	16:21
Lindfield Public School, Grosvenor Rd, Lindfield	10:25	12:25	14:25	16:25
Pacific Hwy opp Lindfield Station, Lindfield	10:28	12:28	14:28	16:28
Catholic Parish Of Lindfield-Killara, Pacific Hwy, Lindfield	10:29	12:29	14:29	16:29
CSIRO Lindfield, Bradfield Rd, Lindfield	10:33	12:33	14:33	16:33
Charles St at Fiddens Wharf Rd, Lindfield	10:35	12:35	14:35	16:35
Beaumont Rd at Anembo Cres, Killara	10:38	12:38	14:38	16:38
Macquarie Centre, Macquarie Park	10:48	12:48	14:48	16:48
Macquarie University Campus Interchange, Macquarie Park	10:50	12:50	14:50	16:50

M

Sydney Metro North West



How to use this timetable

This timetable provides a snapshot of service information in 24-hour time (e.g. 5am = 05:00, 5pm = 17:00). Information contained in this timetable is subject to change without notice. Please note that timetables do not include additional trips for special events, short term changes, holiday timetable changes, real-time information, trackwork or any disruption alerts.

For the most up-to-date times, use the Trip Planner or Departures on transportsw.info

Real-time planning

You can plan your trip with real-time information using the Trip Planner or Departures on transportsw.info or by downloading travel apps on your smartphone or tablet.

The Trip Planner, Departures and travel apps offer various features:

- favourite your regular trips
- see where your service is on the route
- get estimated pick up and arrival times
- receive service updates
- find nearby stations, stops, wharves and routes
- check accessibility information

Find the latest apps at transportsw.info/apps

Accessible services

All metro vehicles and stops on the network are wheelchair accessible. Visit transportsw.info to find stops with the facilities to help you get around.

Who is providing my metro services?

The metro services shown in this timetable are run by Sydney Metro.

Fares

In Sydney and surrounding regions, fares are based on:

- the distance you travel from tap on to tap off
- the mode of transport you choose
- whether you're eligible for a concession fare or free travel
- any Opal benefits such as discounts and capped fares that apply

You can use an Opal card or a contactless payment to pay for your travel.

Opal cards

An Opal card is a smartcard you keep and reuse. Add value before you travel and tap on and tap off to pay your fares throughout Sydney, the Blue Mountains, Central Coast, the Hunter and the Illawarra.

Which Opal card is right for you?

Adult - Customers 16 years and over who are not entitled to any concessions and normally pay full fare.

Child/Youth - For customers aged 4-15 (inclusive), or customers 16 years or older who hold a NSW/ACT Senior Secondary Student Concession Card.

Gold Senior/Pensioner - For eligible NSW and interstate seniors, pensioners, war widows/ers and asylum seekers.

Concession - For eligible tertiary students, job seekers, apprentices and trainees.

How to get an Opal card

You can get an Adult or Child/Youth Opal card over the counter at Opal retailers that display the Opal sign . To find your nearest retailer visit transportsw.info/opal

If you are eligible to travel with concession fares you can apply for a Gold Senior/Pensioner or Concession Opal card online. Visit transportsw.info/opal for more information.

Contactless payments

If you have an American Express, Mastercard, Visa card or linked device, you can use it to pay for all public transport on the Opal network. Just make sure to tap on and tap off at Opal readers at the beginning and end of your trip.

Always separate your cards when you tap on and tap off so your preferred card is charged.

You will receive the same travel benefits of an Adult Opal card when you tap on and tap off consistently with the same credit card, debit card or linked device. This includes daily, weekly and Sunday travel caps, and a \$2 transfer discount when you change between metro/train, ferry, bus or light rail services within 60 minutes. Adult Opal fare pricing applies.

Find out more at transportsw.info/contactless

Explanation of definitions and symbols

	Wheelchair Accessible
*	Frequency based service, times are a guide only
F	Friday only
S	Saturday

Metro operates as per frequency; all service times are approximate. Check customer information display for approximate time until next service.

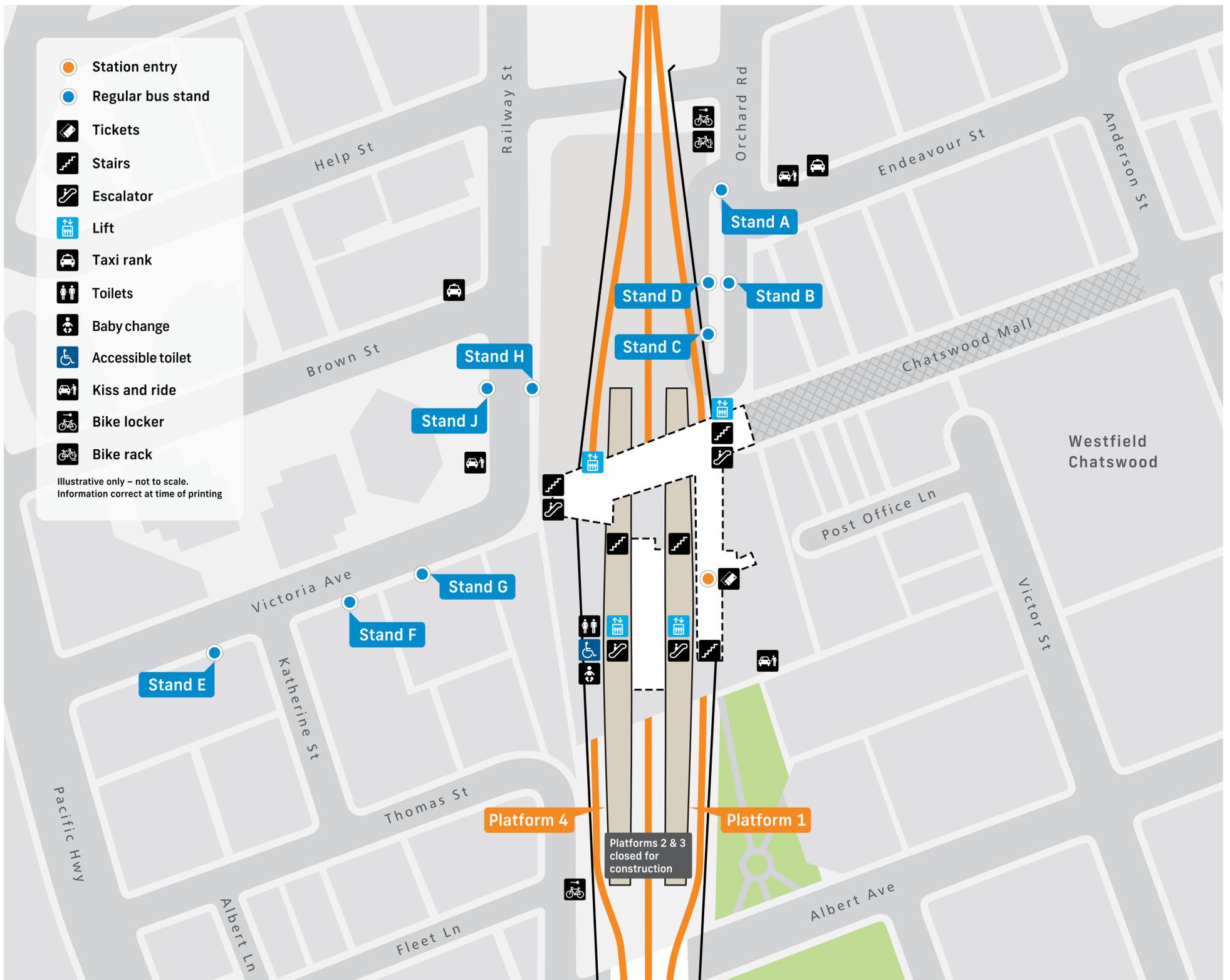

M

Tallawong to Chatswood



Monday to Friday														
Day Restrictions	♿		♿		♿		♿		♿		♿		♿	
Service Information	*		*		*		*		*		*	F		F
Tallawong	04:05	every	05:55	every	08:31	every	15:41	every	18:45	every	00:05	00:15	every	01:05
Rouse Hill	04:07	10	05:57	4	08:33	10	15:43	4	18:47	10	00:07	00:17	10	01:07
Kellyville	04:10	mins.	06:00	mins.	08:36	mins.	15:46	mins.	18:50	mins.	00:10	00:20	mins.	01:10
Bella Vista	04:12		06:02		08:38		15:48		18:52		00:12	00:22		01:12
Norwest	04:15		06:05		08:41		15:51		18:55		00:15	00:25		01:15
Hills Showground	04:17		06:07		08:43		15:53		18:57		00:17	00:27		01:17
Castle Hill	04:20		06:10		08:46		15:56		19:00		00:20	00:30		01:20
Cherrybrook	04:23		06:13		08:49		15:59		19:03		00:23	00:33		01:23
Epping	04:28		06:18		08:54		16:04		19:08		00:28	00:38		01:28
Macquarie University	04:32		06:22		08:58		16:08		19:12		00:32	00:42		01:32
Macquarie Park	04:34		06:24		09:00		16:10		19:14		00:34	00:44		01:34
North Ryde	04:36		06:26		09:02		16:12		19:16		00:36	00:46		01:36
Chatswood	04:42		06:32		09:08		16:18		19:22		00:42	00:52		01:42
Saturday & Sunday														
Day Restrictions	♿		♿		♿		♿		♿		♿		♿	
Service Information	*		*	S	*	S	*		*		*			
Tallawong	04:05	every	00:05	00:15	every	01:05								
Rouse Hill	04:07	10	00:07	00:17	10	01:07								
Kellyville	04:10	mins.	00:10	00:20	mins.	01:10								
Bella Vista	04:12		00:12	00:22		01:12								
Norwest	04:15		00:15	00:25		01:15								
Hills Showground	04:17		00:17	00:27		01:17								
Castle Hill	04:20		00:20	00:30		01:20								
Cherrybrook	04:23		00:23	00:33		01:23								
Epping	04:28		00:28	00:38		01:28								
Macquarie University	04:32		00:32	00:42		01:32								
Macquarie Park	04:34		00:34	00:44		01:34								
North Ryde	04:36		00:36	00:46		01:36								
Chatswood	04:42		00:42	00:52		01:42								
Public Holidays														
Service Information	♿		♿		♿		♿		♿		♿		♿	
Tallawong	04:05	every	05:55	every	08:31	every	15:41	every	18:45	every	00:05			
Rouse Hill	04:07	10	05:57	4	08:33	10	15:43	4	18:47	10	00:07			
Kellyville	04:10	mins.	06:00	mins.	08:36	mins.	15:46	mins.	18:50	mins.	00:10			
Bella Vista	04:12		06:02		08:38		15:48		18:52		00:12			
Norwest	04:15		06:05		08:41		15:51		18:55		00:15			
Hills Showground	04:17		06:07		08:43		15:53		18:57		00:17			
Castle Hill	04:20		06:10		08:46		15:56		19:00		00:20			
Cherrybrook	04:23		06:13		08:49		15:59		19:03		00:23			
Epping	04:28		06:18		08:54		16:04		19:08		00:28			
Macquarie University	04:32		06:22		08:58		16:08		19:12		00:32			
Macquarie Park	04:34		06:24		09:00		16:10		19:14		00:34			
North Ryde	04:36		06:26		09:02		16:12		19:16		00:36			
Chatswood	04:42		06:32		09:08		16:18		19:22		00:42			

Chatswood Station Public Transport Map



- T** **T1** *North Shore & Western Line*
North Shore
Western
Richmond
- T9** *Northern Line*
Northern
Gordon
- Central Coast**

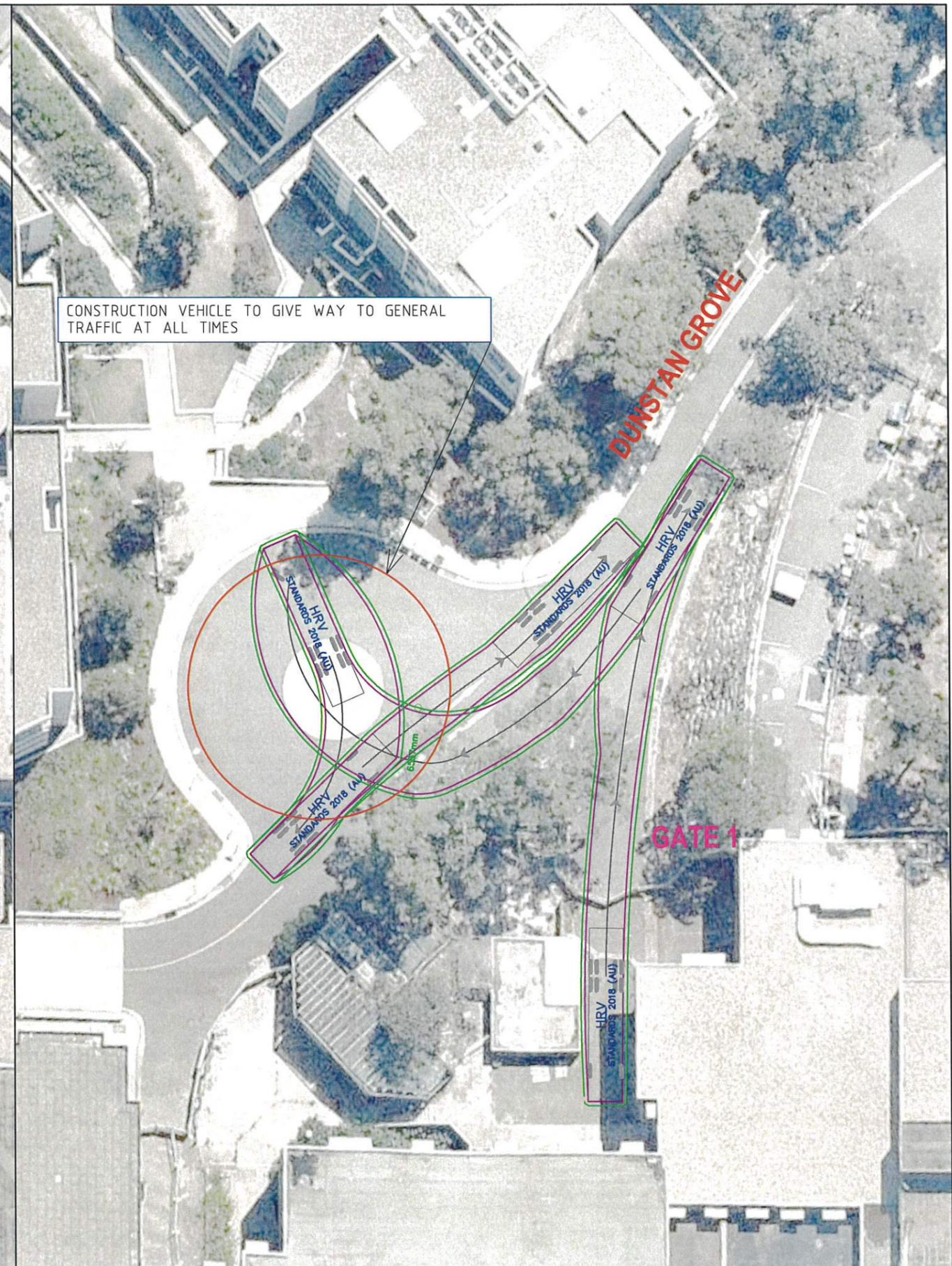
Stand	Stop no.	Stop name
Stand A	206720	Warringah Mall
	280	Davidson
	136	Manly
	137	Bantry Bay
	275	Castlecrag
Stand B	206718	Mona Vale
	257	Balmoral Beach
	267	Crows Nest
	340	Bondi Junction
Stand C	2067130	Kingsford
	277	Castle Cove
	278	Chatswood via Killarney Heights
	279	Frenchs Forest
Stand D	206722	Arrivals only
	281	Davidson
	282	Davidson and Belrose
	283	Belrose
Stand E	206761	Duffys Forest
	255	Chatswood West
	258	Lane Cove West
	261	City King St Wharf
	530	Burwood
	533	Sydney Olympic Park
Stand F	206717	255 Chatswood West
	143	Manly
	144	Manly via RNS Hospital
	200	Bondi Junction
Stand G	206712	256 Chatswood West
	256	Chatswood West
	259	Macquarie Centre
Stand H	206714	259 Macquarie Centre
	N90	City Town Hall
	N91	Bondi Junction
	N91	Bondi Junction
Stand J	2067135	N90 City Town Hall
	558	Lindfield
	565	Macquarie University
	627	Castle Hill
	628	Norwest

For more information
 transportnsw.info



Appendix C

Truck Turning Paths



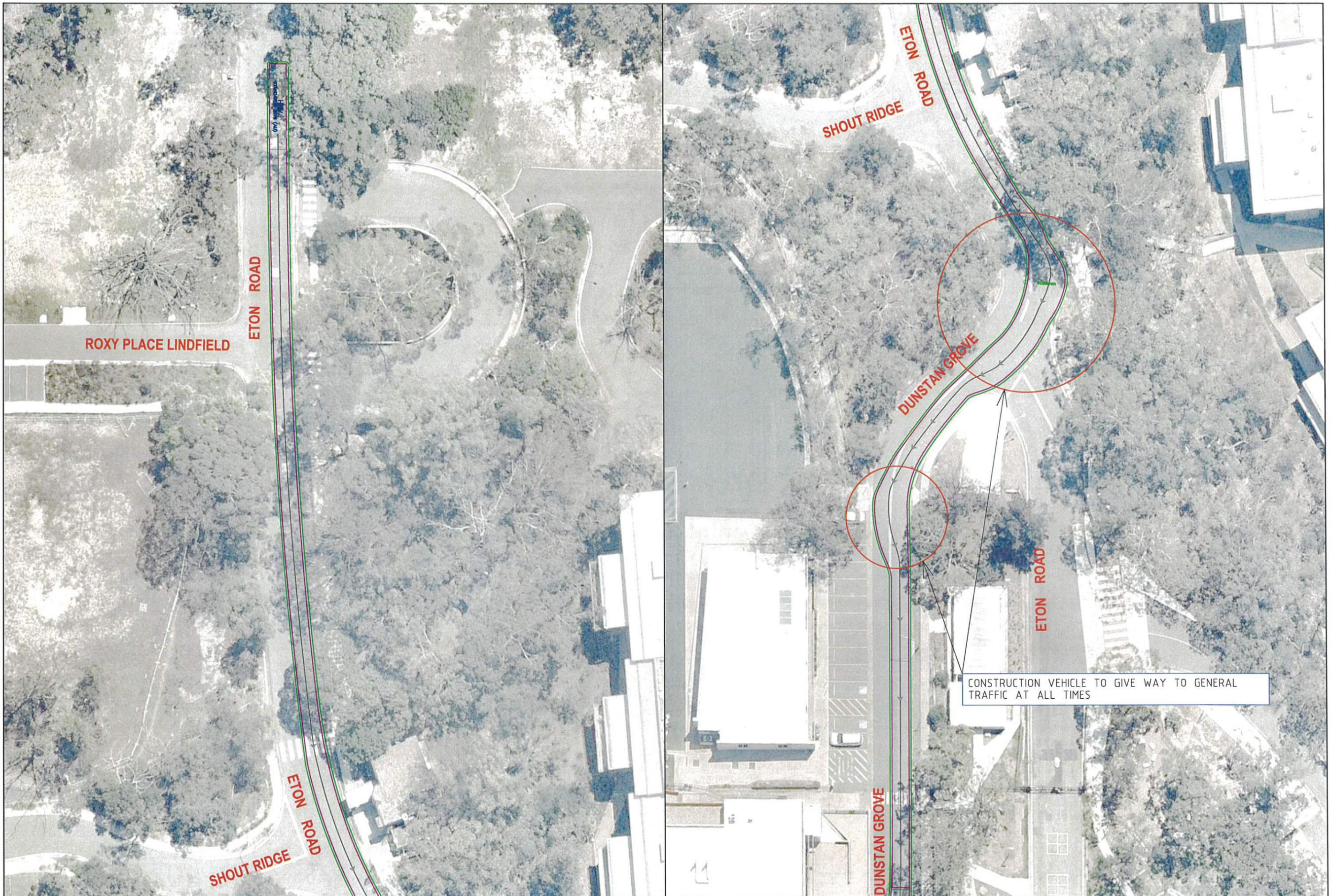
LINDFIELD LEARNING VILLAGE STAGE 2
 100 ETON ROAD, LINDFIELD

SWEPT PATH ASSESSMENTS FOR 12.5M HEAVY RIGID
 VEHICLE ENTERING & EXITING GATE 1

DRAWING REF. NO. 20069-01-01 ISSUE A ISSUE DATE 22 SEPTEMBER 2020

DESIGNED BY
 M. KONG

REVIEWED BY
 B. LO



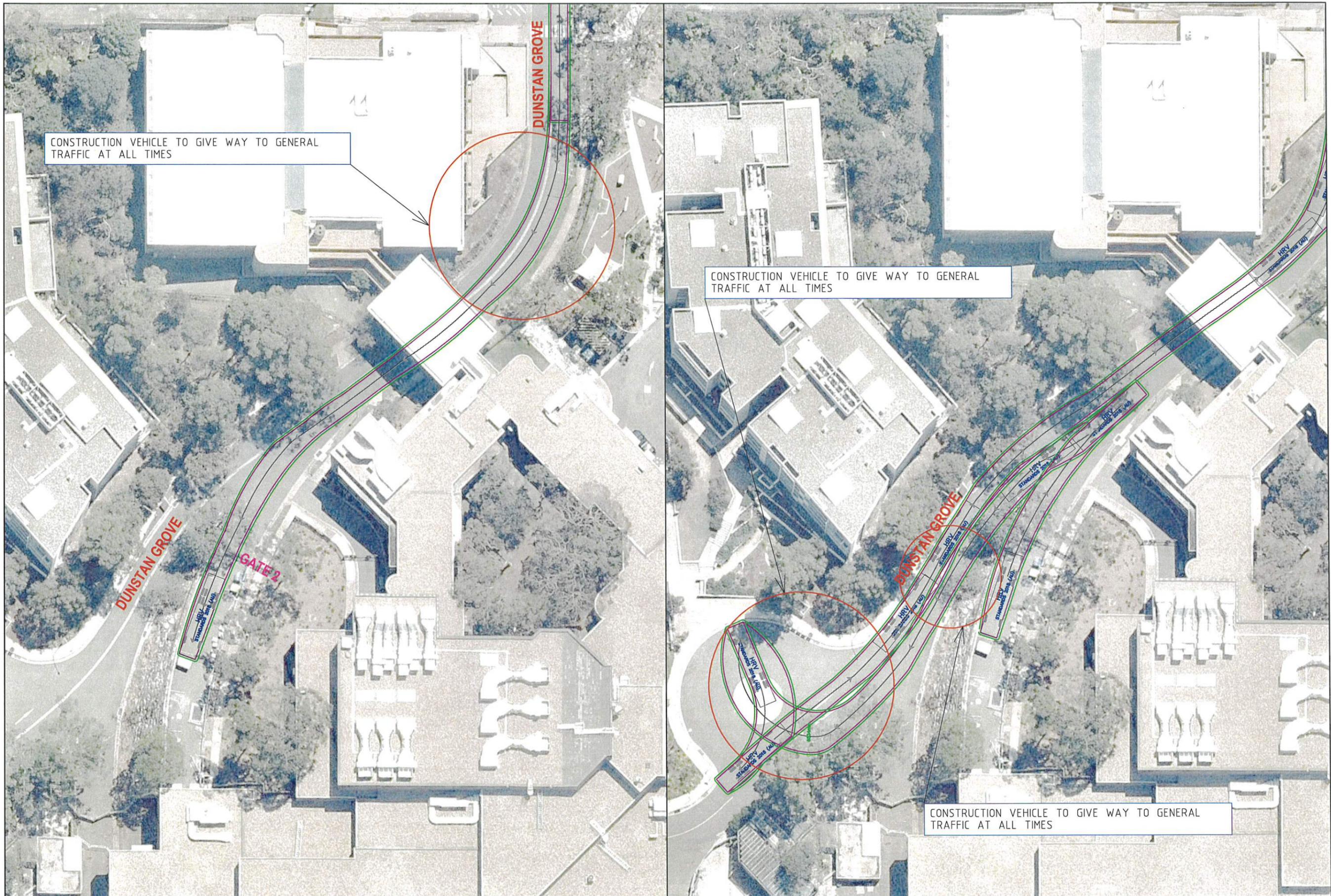
LINDFIELD LEARNING VILLAGE STAGE 2
 100 ETON ROAD, LINDFIELD

SWEPT PATH ASSESSMENTS FOR 12.5M HEAVY RIGID
 VEHICLE ENTERING GATE 2

DRAWING REF NO. 20069-01-01 ISSUE A ISSUE DATE 22 SEPTEMBER 2020

DESIGNED BY
 M. KONG

REVIEWED BY
 B. LO



CONSTRUCTION VEHICLE TO GIVE WAY TO GENERAL TRAFFIC AT ALL TIMES

CONSTRUCTION VEHICLE TO GIVE WAY TO GENERAL TRAFFIC AT ALL TIMES

CONSTRUCTION VEHICLE TO GIVE WAY TO GENERAL TRAFFIC AT ALL TIMES

LINDFIELD LEARNING VILLAGE STAGE 2
100 ETON ROAD, LINDFIELD

SWEPT PATH ASSESSMENTS FOR 12.5M HEAVY RIGID
VEHICLE ENTERING & EXITING GATE 2

DRAWING REF NO. 20069-01-01

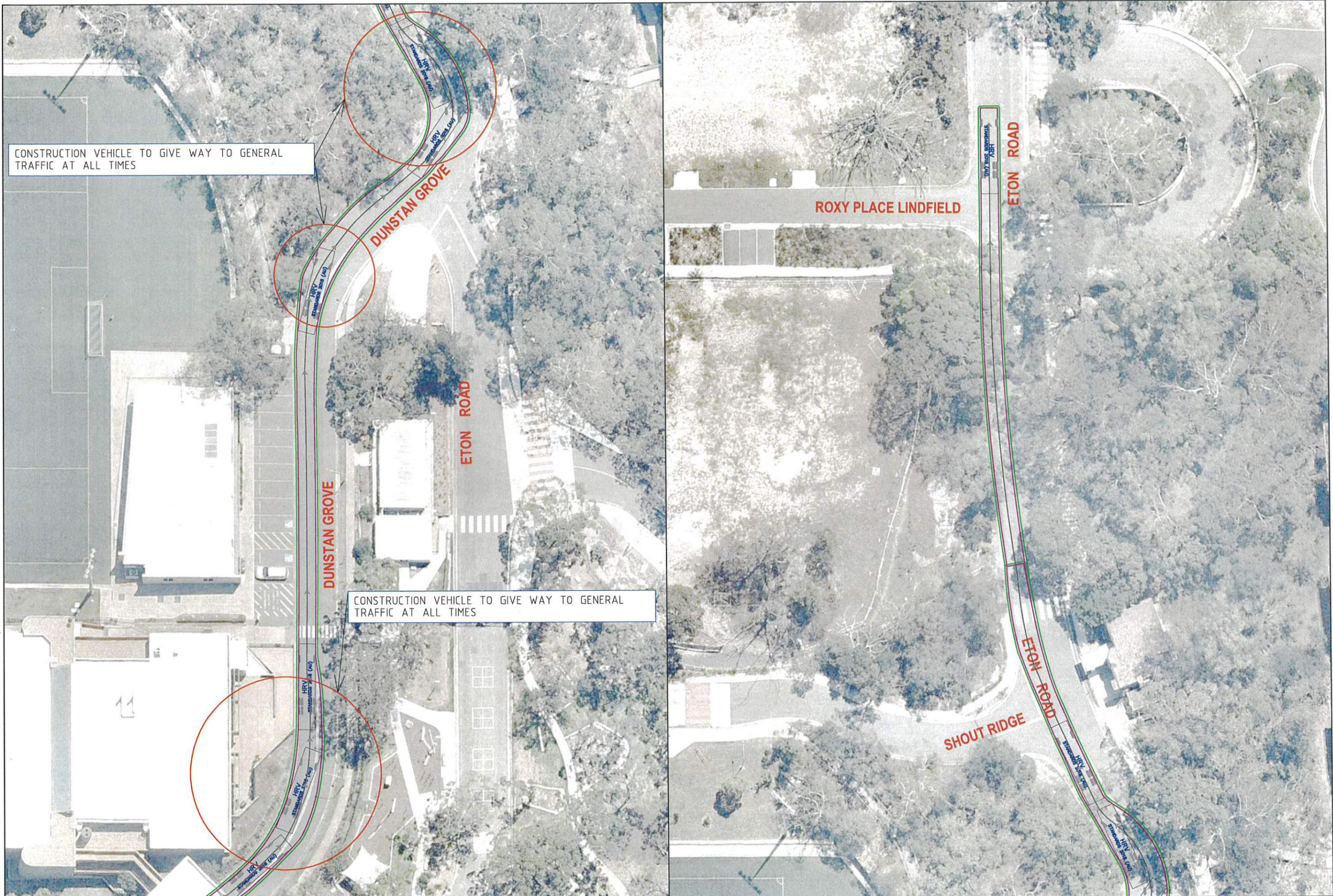
ISSUE A ISSUE DATE 22 SEPTEMBER 2020

DESIGNED BY
M. KONG

REVIEWED BY
B. LO

ttpa TRANSPORT AND TRAFFIC PLANNING ASSOCIATES
Established 1994

Address: Level 5, Suite 502 / 282 Victoria Ave, Chatswood NSW 2067
P: (02) 9411 5660 F: (02) 9904 6622 W: www.ttpa.com.au



LINDFIELD LEARNING VILLAGE STAGE 2
 100 ETON ROAD, LINDFIELD

SWEPT PATH ASSESSMENTS FOR 12.5M HEAVY RIGID
 VEHICLE EXITING GATE 2

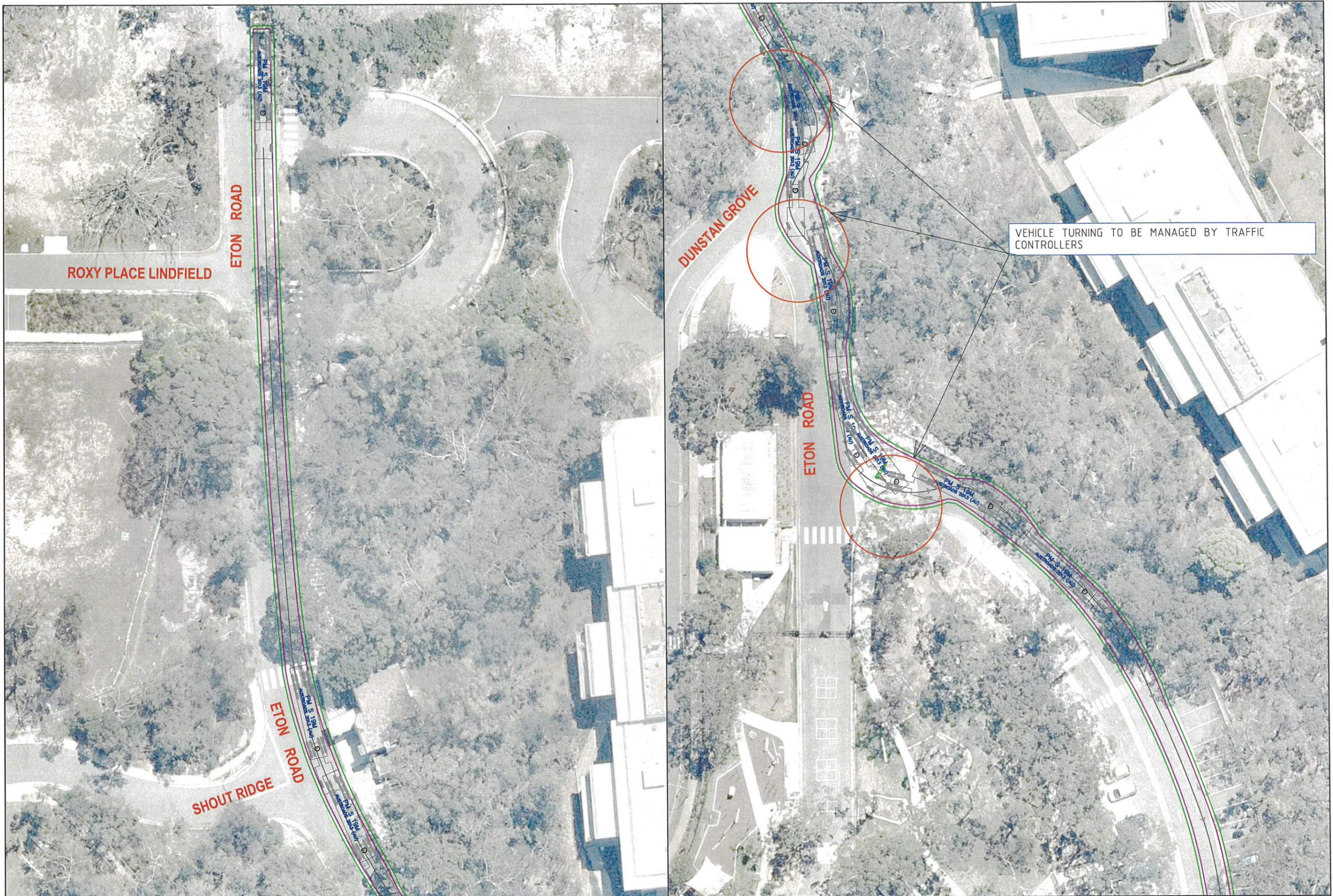
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DESIGNED BY
 M. KONG

REVIEWED BY
 B. LO

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Established 1994

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 P: (02) 9411 5660 F: (02) 9904 6622 W: www.ttpa.com.au



LINDFIELD LEARNING VILLAGE STAGE 2
 100 ETON ROAD, LINDFIELD

SWEPT PATH ASSESSMENTS FOR 19M SEMI ENTERING
 GATE 3

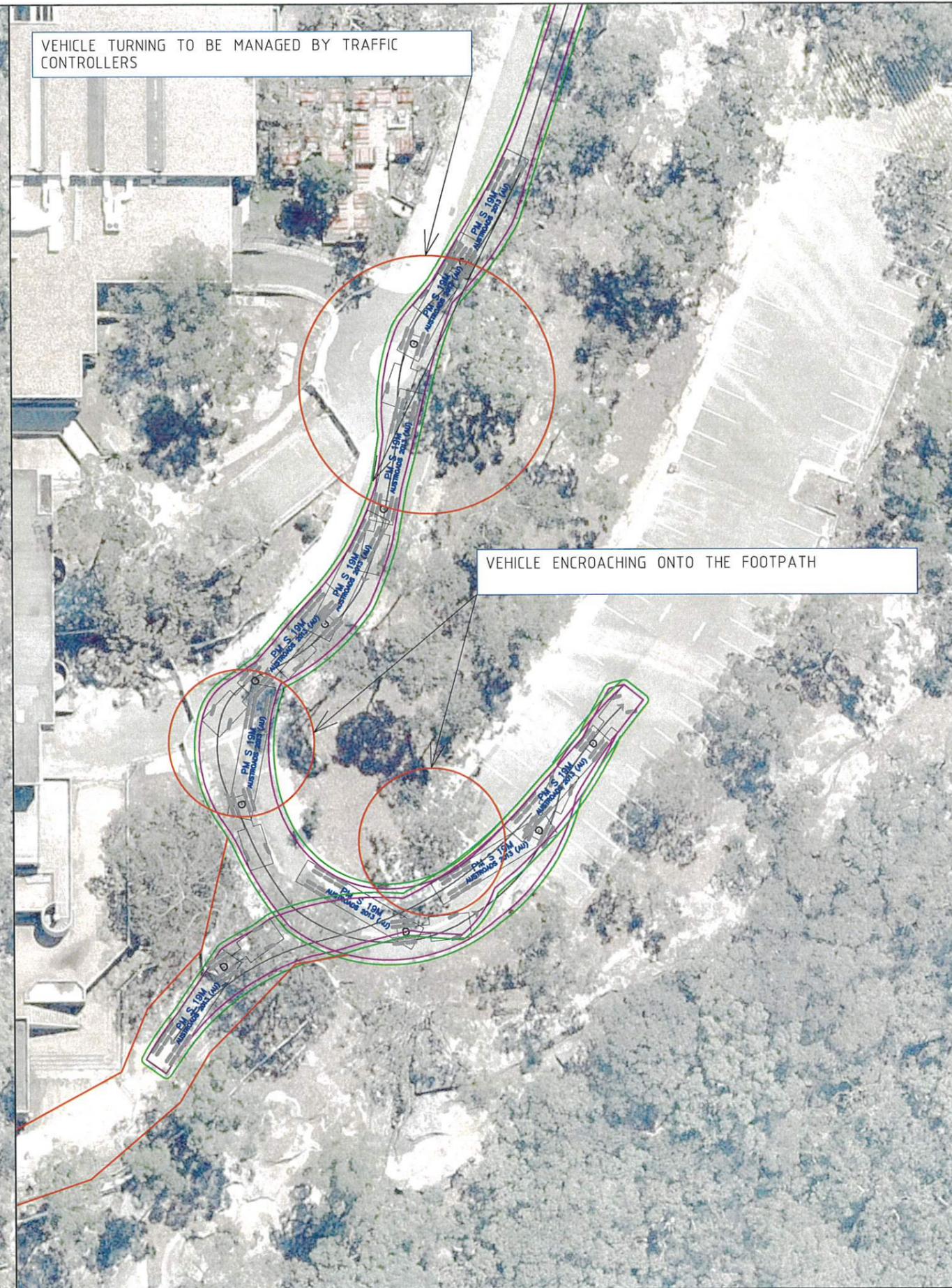
DRAWING REF NO. 20069-01-01 ISSUE A ISSUE DATE 10 SEPTEMBER 2020

DESIGNED BY
 M. KONG

REVIEWED BY
 B. LO

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 P: (02) 9411 5660 F: (02) 9904 6622 W: www.ttpa.com.au



VEHICLE TURNING TO BE MANAGED BY TRAFFIC CONTROLLERS

VEHICLE ENCRANCHING ONTO THE FOOTPATH

LINDFIELD LEARNING VILLAGE STAGE 2
 100 ETON ROAD, LINDFIELD
 SWEEP PATH ASSESSMENTS FOR 19M SEMI ENTERING
 GATE 3
 DRAWING REF NO. 20069-01-01 ISSUE A ISSUE DATE 10 SEPTEMBER 2020

DESIGNED BY
 M. KONG
 REVIEWED BY
 B. LO

ttpa TRANSPORT AND TRAFFIC PLANNING ASSOCIATES
Established 1984
 Address: Level 5, Suite 502 / 282 Victoria Ave, Chatswood NSW 2067
 P: (02) 9411 5660 F: (02) 9904 6622 W: www.ttpa.com.au



VEHICLE TURNING TO BE MANAGED BY TRAFFIC CONTROLLERS

VEHICLE ENCRoACHING ONTO THE FOOTPATH

Appendix D

Driver Code of Conduct



Lindfield Learning Village Stage 2

100 Eton Road, Lindfield

Driver Code of Conduct

Ref: 375/2020
Date: October 2020
Issue: Draft

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1.0 Introduction

1.1 General

This driver code of conduct applies to all Hindmarsh personnel and any other person conducting business for the Hindmarsh works, or on any project associated with the Hindmarsh works, whether a direct employee of the Hindmarsh ('Company') or employed by some other organisation providing a service or product to the Company.

We are all members of the general community, so you are expected to comply with all the relevant legal requirements and accepted community standards whilst conducting your business. Your behaviour on the road reflects upon the community and in this regard your full compliance with this Driver Code of Conduct is required.

1.2 Penalties and Disciplinary Action

Failure to comply with this Driver Code of Conduct will lead to either the issue of a "warning notice" or "disciplinary action" if the offender is an employee of the Company. If the offending party represents another company then "disciplinary action" may be treated as suspension or cancellation of a service contract or arrangement with that company.

A warning notice may be issued for a number of reasons, which may include if, you:

- Drive at excessive speed;
- Abuse other road users;
- Do not carry out instructions as advised;
- Do not observe the site speed restrictions;
- Do not report incidents/accidents

Transport and Traffic Planning Associates

Examples of behaviour that may result in disciplinary action are if you:

- Consume or are under the influence of alcohol or drugs whilst on duty;
- Fight or commit acts of violence towards any person whatsoever, whether employee of the Company or otherwise;
- Are charged and found guilty of a serious offence causing an accident.

1.3 Motor Traffic Act

As a driver you are required to know and comply with all road rules pertaining to your vehicle (whether standard passenger car, utility or heavy transport vehicle).

1.4 Driving License

You must hold a current and valid driving licence for the class of vehicle that you operate. Additionally, you must always carry your current driver's licence with you while you are on duty.

If your licence is cancelled or suspended, you must let your supervisor know immediately.

1.5 Vehicle Minimum Maintenance and Operating Condition

All vehicles must be maintained and operated in accordance with the vehicle manufacturers recommended standards (refer to vehicle manufacturer's handbook).

1.6 Occupational Health and Safety

The health and safety of all people employed by (or working for) the Company, and those visiting our sites, is of the utmost importance.

As an employee of the Company, or supplier or contractor to the Company, you are required to follow occupational health and safety legislation.

This means that you must:

- Carry out your duties in a way which does not adversely affect your own health and safety or that of others;

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- Cooperate with measures introduced in the interest of workplace health and safety;
- Perform any OH&S training provided;
- Immediately report all matters which may affect workplace health & safety to your supervisor;
- Correctly use any information, training, personal protective equipment and safety devices provided;
- Not intentionally misuse or recklessly interfere with anything that has been provided for health and safety reasons;
- Only do tasks for which you have authorisation and/or the necessary training, and for which all necessary safety arrangements are in place.

1.7 Environment

The Company is committed to protecting the environment and preventing air, water and noise pollution. As the operator of your vehicle, you are subject to environmental regulations relating to vehicle emission and product spill and to minimise the impacts of earthworks and construction on the local and regional road network.

You must understand and appreciate the seriousness of polluting the environment and the consequences of this. If you are careless or neglect your responsibilities, you can cause personal injury, loss of life, property damage, substantial fines, and adverse publicity for the company.

1.8 Noise Control

Generating excessive noise is governed by legislation and is an offence. Heavy trucks generate a higher level of noise than light vehicles. The amenity of surrounding road users/residents is to be maintained as far as practical during the construction process.

You are required to adhere to the following during the course of your duty:

- If possible, you should minimise road traffic noise by not using engine brakes near schools, residences and built up areas.
- All vehicles must be fitted with audible reversing alarms. These are essential

for the safety of all personnel. Reversing alarms are however the source of potential noise complaints from neighbouring residents so all drivers should be aware of this and try to minimise reversing when possible.

- Avoid loading and unloading of materials / deliveries outside of daytime hours.
- Compounds and work areas should be designed to as one-way to minimise the need for vehicles to reverse.
- Trucks should not idle near to residential receivers.
- Stationary sources of noise, such as generators, should be located away from sensitive receivers.
- Project personnel, including relevant sub-contractors, to acquaint themselves on noise and vibration requirements and the location of sensitive receivers during inductions and toolbox talks.
- Delivery vehicles should be fitted with straps rather than chains for unloading, wherever possible.
- Truck drivers should avoid compression braking as far as practicable.
- Where night-time works are required, trucks should use broadband reversing alarms.
- Use the minimum sized equipment necessary to complete the work and where possible, use alternative, low-impact construction techniques.
- Power tools should use mains power where possible rather than generators.
- Shut down machinery, including generators, when not in operation.
- Avoid dropping materials from a height and dampen or line metal trays, as necessary.
- Ensure equipment is operated in the correct manner.
- All equipment should be appropriately maintained and fitted with noise control

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devices, where practicable, including acoustic lining of engine bays and air intake / discharge silencers, etc.

- Where possible, use dampened 'city' bits on jackhammers and rock breakers.

2.0 Safe Driving Practices

2.1 Highway Courtesy

The on-going reputation of the company depends very much on the way you drive your vehicle and courtesy that you extend to the community.

The road is there to share and therefore, it is a company requirement that you display courtesy and restraint towards other road users to minimise conflicts with other road users.

2.2 Speed Restriction

As a professional and competent driver, you must always adjust your driving to the existing conditions.

Studies have shown that many truck accidents are directly caused by excessive speed and/or poor road conditions such as surface condition, corner camber, "tightness" etc. Always follow posted signs as they provide vital clues to road conditions and characteristics. You should always apply the following rules:

- ✓ Always reduce your speed in wet conditions;
- ✓ Drive cautiously in fog or heavy rain;
- ✓ Descend hills at sign-posted truck speeds, or in the lowest gear to suit the conditions;
- ✓ Always observe the special limits that apply for road works etc;
- × **DO NOT** exceed the posted maximum speed;
- × **DO NOT** drive at speed past schools, school buses, parks, shopping areas etc.

Where possible you should always:

- Use main roads;
- Use bypasses;
- Avoid communal areas, schools e.g. (particularly during school start and finish times), parks etc.

You must stick to the defined routes laid down unless there are exceptional circumstances. Such exceptional circumstances may be:

- Normal route blocked e.g. flooded;
- A revised route agreed in writing.

Trucks and heavy vehicles must not use local residential streets.

2.6 Vehicle Braking

One of the most important skills that a professional and competent driver possesses is bringing a loaded vehicle to a controlled stop in city and open road conditions.

You may need to brake heavily but you must also be aware of the possible consequences.

As a rule, you should always be aware of traffic conditions 1 to 2 km in front of you. In doing so, you are adjusting your own driving conditions to avoid the need for heavy braking.

Always brake with care, remembering that the truck will react differently according to the weight of the load, weight distribution of the load and road surface condition.

You should never, under any conditions, drive a vehicle with faulty or suspect brakes. You must always immediately report the fault to your supervisor to be fixed.

Engine brakes are auxiliary to the main service brakes. In general, the following should be observed regarding engine brakes:

- × **DO NOT** use the engine brake on slippery or wet surfaces, as a jack-knife may occur;
- × **DO NOT** use engine brakes in or near residences and built up areas, as this causes excessive noise and is a public disturbance.

2.7 Tailgating

By law you are required to maintain a gap between yourself and the vehicle directly in front of you, so that heavy braking will not be required. The gap is based on several factors including speed, vehicle weight, traffic congestion and road condition. During wet weather or other adverse conditions, the gap distance should be doubled.

The legal distance for heavy vehicles in areas without streetlights is 60 metres.

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A gap of 60 metres is approximately the same as:

- The length of four (4) semi-trailer combinations;
- Twelve (12) car lengths;
- Four (4) seconds.

Always remember, appropriate gap distance between other road users is a key defensive driving tool.

2.8 Overtaking/Passing

You should always avoid overtaking in awkward, inappropriate situations or where there is unclear vision.

In general, you should **not** overtake/pass in the following situations:

- × Over continuous lane separation lines;
- × On narrow roads;
- × Near or on a curve or crest;
- × Near or on a bridge;
- × Near or on a railway crossing or tunnel;
- × When clear vision is restricted;
- × Through road work areas.

Do not indicate or signal to encourage other road users to overtake or pass. This action is against the law and may cause you to be responsible should an incident occur.

2.9 Road Hazards

During most journeys that you take, there will be hazards on and near roadways. Always be alert for these hazards and make your adjustments as necessary.

Examples of hazards are:

- × Rough/slippery surfaces;
- × Narrow or winding roads;
- × Low wires or awnings;

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- × Low bridges, tunnels etc;
- × Crossings, rail/people;
- × Animals;
- × Underpasses and trees.

Be aware that your vehicle itself may become a road hazard when it is parked on a roadway, broken down or otherwise. In this circumstance, use portable warning signals, placing them 50-150 metres in front of and behind the vehicle, as well as at the side.

2.10 Parking

Construction Vehicles should always remain within the construction site. You must avoid parking on or within one metre of the roadway. If this is not possible, make sure that you use the portable warning signs referred to above.

Always park your vehicle in a safe position. Make sure it can be seen and that it is as far away from the moving traffic as possible. If in doubt leave your hazard lights on!

If you are transporting dangerous goods there are additional restrictions that affect you. Refer to the "Parking with Dangerous Goods" section of your manual.

2.11 Reversing

Try to avoid reversing whenever possible. If you cannot avoid it, use extreme caution.

If you need to reverse:

- ✓ Get out of your vehicle and check the rear surrounding area;
- ✓ Check clearances at sides, top and bottom;
- ✓ Constantly monitor mirrors for pedestrians or other traffic when reversing.

3.0 Materials Haulage

Drivers are responsible for ensuring that all tailgates are properly closed and that there is no excessive leakage of water from the vehicle to the road surface.

Drivers of trucks hauling raw materials to and from the works will ensure adequate separation between vehicles. No tailgating or formation of rolling convoys shall be permitted.

Drivers are responsible for ensuring that all loads are properly covered and that there is no spillage or leakage of the load from the vehicle to the road surface.

4.0 Time of Operation

This Driver Code of Conduct is applicable throughout the construction process.

5.0 Residents' Complaint Hotline

Drivers should be aware that a complaints telephone number is available to the public to lodge complaints against any driver contravening these guidelines. The contact details are displayed on the signs at the entrance to the site.

All complaints will be logged and investigated and, where appropriate, disciplinary action will be taken.

6.0 Public Notification

Hindmarsh would prepare notification letters, under the approval of Council, that would be delivered to nearby properties, to advise residents and the community (including schools) of the construction works and timing thereof as well as of any potential disruptions to routes.

7.0 Monitoring Measures

Hindmarsh management will undertake formal observations / review of compliance at three monthly intervals and will document and undertake any remedial actions with employees or sub-contractors that may be necessary as a result of these observations. These formal observations / reviews maybe undertaken as part of an overall review of the safety management.

Appendix E

Traffic Guidance Schemes

Legend

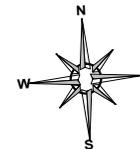
- Barrel
- Work Area

LINDFIELD LEARNING VILLAGE

3 RMS AUTHORISED TRAFFIC CONTROLLERS ARE REQUIRED TO CONTROL THE SAFETY OF WORKERS, MOTORISTS AND PEDESTRIANS



KONTRU GROUP PTY LTD
T/A URBAN TRAFFIC SOLUTIONS
 1/22 Toohy Rd, Wetherill Park NSW 2164
 (02) 9756 5087



NOTES:

Construction Activity:

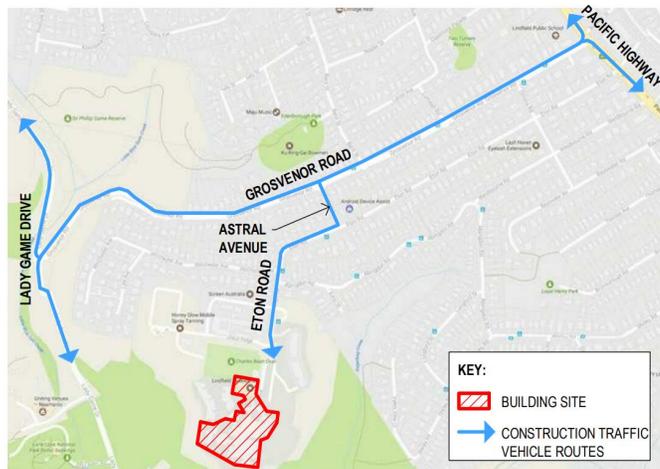
1. Builders site offices to be setup within stage 2C parts of the building.
2. The Contractor's compound will be set up within the existing building.
3. During stage 2A construction works sections to the southern site areas and lower carpark will be available for site drop off, loading and deliveries. Once stage 2A works are completed and in operation main construction vehicle access will be from Dunstan Grove and sections to the south west of the site will be available for site drop off, loading and deliveries.
4. The lower and internal carpark will be available for Contractors onsite parking. Lower carpark will be handed over to the school once stage 2A works are completed and active by the school.

Access:

1. Site Access: Primary Vehicular Access to and from the site shall be from Dunstan Grove. The site access gate will be set up at the end of Dunstan Grove within the Site. Access to Dunstan Grove and Shout Ridge Road shall be unaffected.
2. Road Access: The main arterial road to the North East of the site is the Pacific Highway and to the South West is Lady Game Drive, with Grosvenor Road used as the main link road between the two. See the Construction traffic vehicle route diagram.
3. Existing and new fire trail access to Dunstan Grove must be kept clear and unobstructed at all times during construction.

Traffic Management:

1. Local Impact: The site is accessed by the existing road network and no significant impact to the local traffic or the local environment is envisaged.
2. Traffic Control: Disruption to all road users during the construction period would be kept to a minimum.



KEY:
 BUILDING SITE
→ CONSTRUCTION TRAFFIC VEHICLE ROUTES

LOCATION PLAN & CONSTRUCTION VEHICLE ROUTES

TRAFFIC CONTROLLERS TO CARROUT SHORT TERM MANUAL STOP/SLOW FOR DELIVERIES (IF REQUIRED)

PEDESTRIAN ACCESS MUST BE MAINTAINED AROUND THE WORK AREA IN A SAFE MANNER

PEDESTRIAN SIGNS TO BE INSTALLED WHERE APPLICABLE IF REQUIRED

PEDESTRIAN SIGNS TO BE INSTALLED WHERE APPLICABLE IF REQUIRED

TRAFFIC CONTROLLERS ARE TO ESCORT PEDESTRIANS AROUND WORK AREA, TRAFFIC MAY NEED TO BE STOP TO PROVIDE A SAFE WALKING AREA



Client's Name:	
Location Of Work	100 ETON ROAD, LINDFIELD NSW 2070
On Site Contact Name:	ANDREW BARKBY
On Site Contact Number:	0414 899 334
Plan No:	202230
Type Of Closure:	GATE MANAGEMENT PEDESTRIAN MANAGEMENT

(NOT TO SCALE)

Date	Plan Drawn By	Orange Ticket Number	Traffic Cones	Taper Lengths	Signs	Speed of traffic (km/h)	TC at beginning of taper	Lateral Shift Taper	Merge Taper
						45	15	0	15
02/09/2020	Marissa Arraiza	0052286204	Spacing (60-80km/h)	12m	Merge Taper	2Dm	46-55	15	30
			Spacing (Over 80km/h)	15m	Lateral Shift Taper	Dm	56-55	30	30
UBD REF			Merge Taper (60-80km/h)	9m	Attended STOP/SLOW	30m	66-75	N/A	70
			Lateral Shift (60-80km/h)	12m	Dm = SPEED LIMIT	2Dm	76-85	N/A	60
						Advance Warning Area To Transition Area	86-105	N/A	90
						Greater	100	N/A	145
						Use class 2 reflective signs for day work & class 1 reflective signs for night work	105	N/A	160
							110	N/A	180

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