



Department of Education

Young High School Upgrade and Joint-use Library and
Community Facility

Preliminary Construction Management Plan

October 2019

Acronyms

Acronym	Definition
AMP	Asbestos Management Plan
AS	Australian Standards
CMP	Construction Management Plan <i>[to be prepared by Principal Contractor]</i>
DoE	Department of Education
EMP	Environmental Management Plan
EPA	Environmental Protection Authority
EP	Environmental Protection
GED	General Environmental Duty
HC	Hilltops Council
HDC	Head Design Consultant (Hayball)
HSMP	Hazardous Substances Management Plan
PCMP	Preliminary Construction Management Plan
PPE	Personal Protective Equipment
QMP	Quality Management Plan
RMP	Risk Management Plan
RMS	Roads and Maritime Services
SINSW	Department of Education - School Infrastructure
SMP	Site Management Plan
SSDA	State Significant Development Application
SWMS	Safe Work Method Statement
TAFE	TAFE NSW Young
TCAWS	RMS Traffic Control at Work Sites Manual ver5
TCP	Traffic Control Plan
TMP	Traffic Management Plan
WHS	Workplace Health and Safety

WHSMP	Workplace Health and Safety Management Plan
WMP	Waste Management Plan
YHS	Young High School

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1. Introduction

1.1 Purpose of this report

The purpose of this report is to outline proposed preliminary construction management strategies for the Young High School Joint-use Library and Community Facility as part of the Department of Education's (DoE) State Significant Development Application (SSDA) approval process. This report is a Preliminary Construction Management Plan (PCMP) and provides a broad overview of the construction management methodology, construction staging, and environmental management measures.

A preliminary construction Traffic Management Plan (TMP) which identifies the proposed vehicular routes, points of access/egress and vehicular and pedestrian controls is incorporated in this plan.

A more detailed Construction Management Plan (CMP) will be developed by the Principal Contractor once engaged. The CMP will outline the methodologies for carrying out the work so as to minimise the impacts of construction activities on project stakeholders, particularly nearby residents, the school community and the broader public who may interface with the project, such as pedestrians or local traffic.

1.2 Scope and limitations

This report: has been prepared by GHD for Department of Education and may only be used and relied on by DoE for the purpose agreed between GHD and the Department of Education as set out in section 1.1 of this report.

GHD otherwise disclaims responsibility to any person other than Department of Education arising in connection with this report. GHD also excludes implied warranties and conditions, to the extent legally permissible.

The services undertaken by GHD in connection with preparing this report were limited to those specifically detailed in the report and are subject to the scope limitations set out in the report.

The opinions, conclusions and any recommendations in this report are based on conditions encountered and information reviewed at the date of preparation of the report. GHD has no responsibility or obligation to update this report to account for events or changes occurring subsequent to the date that the report was prepared.

The opinions, conclusions and any recommendations in this report are based on assumptions made by GHD described in this report. GHD disclaims liability arising from any of the assumptions being incorrect.

GHD has prepared this report on the basis of information provided by DoE and others who provided information to GHD (including Government authorities), which GHD has not independently verified or checked beyond the agreed scope of work. GHD does not accept liability in connection with such unverified information, including errors and omissions in the report which were caused by errors or omissions in that information.

1.3 Relevant documents

This PCMP incorporates information from the *State Significant Development Application* package prepared by the Head Design Consultant (HDC), and must be read in conjunction with this package, including all appendices.

2. Project Details

2.1 The project

The Department of Education - School Infrastructure (SINSW) is collaborating with Hilltops Council to provide a new integrated library and community facility in Young, NSW. The proposed facility is considered a State Significant Development. The facility will be built within the existing grounds of Young High School, at the northern end of the site adjacent to Carrington Park and will have dual access: students will access from the southern (school) side and the general public will access from the northern side, via Carrington Park. The facility is being built to replace the existing Young Public Library and the Young High School Library. The project incorporates significant landscaping works around the new building, both within the school grounds and in Carrington Park. The Carrington Park carpark will be upgraded as part of the works, and pathway works will also be undertaken.

The site for the new building is currently occupied by Young High School Arts Block BB. Some of the facilities in Block BB are being replaced as part of early works construction at the school; other functions will be replaced as part of this project, through refurbishment of Block EE, which currently houses the school's library.

In summary, the project is expected to create the following:

- Library area
- Multimedia unit
- Visual arts studios
- Café
- Wiradjuri cultural centre
- Tertiary study space
- Community meeting rooms
- Exhibition space
- Staff room and administration areas
- Amenities and stores
- Landscaped gardens and paths in the school and in Carrington Park
- Upgraded carpark in Carrington Park

2.2 The site

The existing Young High School address is Campbell Street, Young (the Site), is located within the Local Government Area of Hilltops Council (HC) and has a total area of 3.37 hectares. The surrounding area is a mixture of low density residential housing, public recreation and light industrial / commercial uses. The site is shown in Figure 1 below.



Figure 1 - Young High School Site

2.3 The works

The development will comprise the following works:

- A new library incorporating school space, community space and shared space fronting the recreational park space to the west of the site;
- Landscaping works within the school grounds to tie in the new structure with the surrounding environment
- Landscaping, pathway and carpark works within Carrington Park
- Refurbishment of Block EE

Figure 2 on the next page shows a site plan of the proposed works.

3. Site Management

3.1 General

The Principal Contractor will be responsible for the overall management of the site and will be required to produce a site specific Construction Management Plan (CMP) prior to commencing works. The CMP will be the master plan for the project and may include the following:

- Site Management Plan (SMP)
- Work Health & Safety Management Plan (WHSMP)
- Environmental Management Plan (EMP)
- Quality Management Plan (QMP)
- Risk Management Plan (RMP)
- Traffic Management Plan (TMP)
- Emergency Management Plan
- Hazardous Substances Management Plan (HSMP)
- Waste Management Plan (WMP)
- Archaeological Management Plan (AMP)
- Construction Program
- Any approval requirements

The above plans may need to be updated during the course of the works to remain relevant.

A copy of the CMP will be kept on site and accessible throughout the entire construction phase.

3.2 Site Establishment

Prior to commencing any works, the Principal Contractor will need to complete establishment activities which will likely include the following activities:

- Obtaining all necessary permits and approvals; pay all associated fees and insurances
- Erecting suitable signage clearly communicating and displaying the name of the Principal and Principal Contractor, including the name and details of a contact person
- Establishing secure access to the site
- Setting up suitable facilities and amenities for its workers and to administer the project
- Establishing vehicle entry / exit paths, emergency vehicle access and other requirements of their TMP
- Setting up and implementing all required safety and environmental controls as per their CMP (and sub-plans)
- Mobilising suitable plant, equipment and personnel to site
- Setting up suitable secure storage areas
- Completing all pre-work activities such as dilapidation reports, hazard / risk workshops, site inductions and the like
- Setting up all contract administration, WHS and environmental processes

- Providing suitable notifications as required, such as providing notice to Council of the intended date for commencement of the works

3.3 General Working Hours

The proposed hours of Construction are as per NSW Interim Construction Guidelines, generally:

- Monday to Friday: 7:00 am – 6:00 pm
- Saturday: 8:00 am – 5:00 pm
- Sunday / Public Holidays: no work

If required, after hour permits are to be sought from the relevant authorities. This may be due to the following reasons:

- To reduce impact on public, nearby residents or staff and students at Young High School
- Emergency event / incident
- Authority shutdowns or disconnections
- Other reasons as required

3.4 Workplace Health and Safety

The Principal Contractor will hold the responsibility of Principal Contractor for the site during the works in accordance with the Workplace Health and Safety (WHS) Act 2011. The Principal Contractor will be required to take all reasonable care and actions to meet its obligations under the WHS Act as contractually and legislatively required. In its role as an employer and site manager, the Principal Contractor will need to maintain a working environment, which minimises all risks to the health and safety of its employees, sub-contractors, visitors to site and the community.

The Principal Contractor will be required to fulfil this responsibility by complying with or exceeding all relevant industry and or Authority requirements, whilst attending to the following items:

- Identifying any risk related activities and ensuring procedures are followed to eliminate these risks
- Where risk elimination is not possible, controlling foreseeable hazards or risks
- Complying with relevant Work Health and Safety, workplace industry management and workers compensation legislation and regulations
- Providing appropriate instruction, inductions and training for employees, sub-contractors and visitors to site
- Compiling a site specific Work Health Safety Management Plan prior to commencing works on site
- Providing adequate facilities for employees at work sites
- Erecting hoarding or fencing between the work site and the public place if the work involved is likely to obstruct or inconvenience pedestrian or vehicular traffic – in accordance with Council requirements

Employee and Sub-Contractor responsibilities under the WHS Act include:

- Avoiding unsafe work practices including putting themselves or others in an unsafe position
- Adhering to the Principal Contractor's Induction and WHS Plan, including all Personal Protective Equipment (PPE) site requirements to enter and work on site

- Reporting unsafe behaviour and/or potentially unsafe site conditions while on site immediately to the WHS representative

The Principal Contractor will be required to provide adequate training of its employees, subcontractors and site visitors including mandatory site inductions. The site induction should make all parties aware of their site responsibilities and may include the following:

- Implementing safe work method statements (SWMS) for all activities prior to commencing these activities
- Implementing pre-start checks for all plant
- Encouraging all personnel to report possible hazards and near misses to promote a safe work culture
- Preparing and implementing emergency evacuation, mustering and response plans, including site inductions for all site personnel and visitors
- Ensuring all work practices comply with SafeWork NSW requirements and the WHS Act
- Describing the site works and layout
- Nominating restricted access areas
- Locating toilet and break facilities
- Locating of site and safety signage
- Documenting and inducting site operatives of first aid arrangements, accident and emergency procedures and emergency evacuation routes
- Identifying the Site WHS Representative
- Explaining the PPE requirements

3.5 Personal Protective Equipment

It will be the responsibility of the Principal Contractor to ensure that all site personnel are aware of and adhere to all personal protective equipment (PPE) requirements as per their SWMS and WHSMP. This could include the following:

- High visibility safety garments (AS4602.1)
- Safety helmets (AS1800 and AS1801)
- Safety footwear (AS2210.1/.2)
- Eye Protection (AS1336 and AS1337)
- Ear Protection (AS1270)
- Hand Protection (AS2161)
- Other PPE as required to undertake tasks to complete the works

3.6 Site Security

The Principal Contractor will be required to ensure adequate signage and temporary fencing is installed and maintained to restrict access and prevent unauthorised public access to the site at all stages throughout construction. Other site security such as CCTV or security patrols may also be implemented if deemed warranted at times during the project. The Principal Contractor may also restrict access to potentially hazardous areas within the site, such as stairwells to upper levels etc. as an additional precaution in the event that external fencing is breached.

4. Roles and Responsibilities

To achieve the overall objective of sound construction management of the facility with the least possible impact on the environment, a clear implementation and management structure is required.

The following section provides an overview of the Contractors minimum implementation structure for the project responsibilities. Specific roles and responsibilities shall be included in duty statements.

4.1 Contractor's Project Manager

The Contractor's Project Manager shall maintain ultimate responsibility for the provision of suitable resources (e.g. financial, personnel, etc.) to ensure that project activities comply with all applicable legal requirements and best practice. The Project Manager shall support all project personnel in the development and implementation of the Contractor's CMP. The Project Manager may delegate responsibilities to appropriately qualified personnel where appropriate.

The Project Manager's responsibilities are to:

- Ensure that all personnel are familiar with the Contractor's CMP and are aware of their environmental responsibilities
- Ensure that all personnel operate in accordance with the Contractor's CMP, statutory approvals and legislative requirements
- Ensure necessary guidance and advice is provided to all personnel with regard to environmental management requirements
- Ensure staff are appropriately qualified and trained regarding the requirements and responsibilities of the Contractor's CMP
- Provide for a site induction that is mandatory for all staff and contractors.
- Ensure that all relevant licenses/permits/approvals are in place prior to any works being undertaken (if required)
- Monitor and review (where required) environmental performance during construction of the project
- Where necessary, coordinate and/or assist in the response to environmental incidents through implementation of corrective actions
- Report site incidents to GHD's Project Manager and the relevant Administering Authority
- Record and maintain a database detailing any site incidents and non-conformances including corrective actions taken

4.2 Contractor's Site Supervisor

The Site Supervisor's responsibilities are to:

- Implement and comply with the Contractor's CMP, statutory approvals, legislative requirements, Australian Standards and any relevant Code of Practice and/or Industry Standard
- Provide a site induction to all staff involved in construction activities
- Provide portable toilets onsite if required and ensure that maintenance and disposal of waste is conducted by a licensed contractor as required

- Ensure all vehicles arriving onsite utilise the designated entry/exit points and parking area. Ensure that all equipment is fuelled, maintained and 'fit for purpose' for the required task prior to arriving at the site
- Notify the Project Manager of environmental incidents and corrective actions taken (if any)

4.3 All Staff

All staff are responsible for ensuring they comply with the CMP, their General Environmental Duty (GED) and Duty to Notify in accordance with the Environmental Protection (EP) Act (as detailed below).

4.3.1 General Environmental Duty

Section 319 of the EP Act states that every person has a GED. This GED requires that a person must not carry out an activity that causes, or is likely to cause environmental harm unless the person takes all reasonable and practicable measures to prevent or minimise the harm. In deciding measures to be undertaken to fulfil the GED the following must be considered:

- The nature of the harm or potential harm
- The sensitivity of the receiving environment
- The current state of technical knowledge for the activity
- The likelihood of successful application of the different measures that might be taken
- The financial implications of the different measures as they would relate to the type of activity.

Compliance with the GED is a defence to offences related to causing unlawful environmental harm. If defendants can show that the harm happened while a lawful activity apart from the EP Act was being carried out and they fulfilled their GED, then they cannot be found guilty of causing unlawful environmental harm.

5. Implementation and Operation

5.1 Implementation

The Contractor's CMP must not be implemented or amended in any way that contravenes any conditions of any development approval, permit or licence.

5.2 Training, Awareness and Competence

All personnel involved in the construction process shall be required to attend a compulsory induction before commencing any work at the site.

5.3 Communication

The Contractor's CMP requirements shall be included in task specific "tool box" meetings, which are to be performed prior to undertaking work. As part of the meeting, the tasks shall be reviewed with consideration given to changes in construction activities and conditions, such as weather.

5.4 Records

All records shall be retained as a hard copy and electronically by the Contractor, and include the following:

- Inductions and any specific training records
- Any records pertaining to any approval, permit or licence
- Monitoring records and external reports
- Environmental incidents, complaints and non-conformance and corrective action reports.

Records shall be made available to the Administering Authority and/or GHD as requested. All records shall be kept for a minimum of five years or as required by relevant third party approval conditions.

6. Environmental Management

The Principal Contractor will be requested to include management of the following environmental items in their EMP, as part of their overall CMP. The Principal Contractor will be required to include all relevant recommendations as provided in current reports prepared as part of the SSDA Submission.

6.1 Public safety

Signage and fencing will be used to restrict access to the site.

Work on site will be undertaken in accordance with the requirements of Workcover NSW as well as relevant standards and codes of practice.

Contractors will be required to undertake site inductions prior to entering the site. On-site safety briefings will be held as the site works proceed.

6.2 School operations

The works will be undertaken in stages to minimize the impact on school operations:

- The school's current library in Block EE will continue to function whilst the new library building is being built
- Early works are currently underway, which include the demolitions of Block BB, and the installation of a temporary demountable for the art spaces that will be located in the new library building
- Once the new building is handed over, the current functions of Block EE will transfer to the new building, along with the art spaces
- Staff and senior student functions proposed for Block EE will be housed in temporary demountables during refurbishment of Block EE
- Additionally, detailed staging and site access plans will be developed by the Contractor in consultation with the school, to ensure any impact on school operations is minimized as much as possible

6.3 Carrington Park usage

The works are not expected to have a significant impact on the public's access to and use of Carrington Park. Preliminary consultation with Council suggests that an access road parallel to the northern site boundary would be acceptable, during the main construction phase. Following this phase, the access road would undergo works as part of Currawong Walk, a major feature of the landscaping portion of the project.

The amenities block and playground in Carrington Park will not be impacted by the works.

The Carrington Park carpark will be upgraded as part of the works. During the upgrade, a portion of the carpark will be accessible to the public at all times, with only minimal impact. It is noted that there is also street parking available on 2 sides of Carrington Park.

6.4 Heritage

The location of the proposed facility was identified in the AMP assembled by heritage consultant GML Heritage, as potentially containing artefacts and areas of significance.

Despite appropriate and adequate investigation, unexpected heritage items may still be discovered during construction works. The Principal Contractor will develop strategies pertaining to unexpected finds for both European and Aboriginal cultural heritage, in consultation with the heritage consultant.

At a minimum, an unexpected finds procedure is to include the following:

1. Stop work, protect item and inform project managers and Department of Education
2. Contact and engage an archaeologist and Aboriginal Site Officer where required.
3. Complete a preliminary assessment and recording of the item
4. Formulate an archaeological or heritage management plan
5. Formally notify the regulator by letter, if required,
6. Implement archaeological or heritage management plan
7. Review CMP/EMP and approval conditions
8. Resume Work

6.5 Erosion and sediment control

Controls pertaining to the restriction and prevention of erosion and sediment run off will be required throughout the construction process.

An Erosion and Sediment Control Plan is to be provided by the Principal Contractor as part of their EMP, prior to the commencement of works. This plan is to be in accordance with required standards and codes, including the Blue Book, and illustrate the requirements of the contractor to effectively establish, regulate and maintain all control measures. In particular, the Principal Contractor is to implement the necessary protective measures required to prevent sediment runoff into Burrangong Creek to the north-east of the site.

Measures for consideration by the Principal Contractor may include but are not limited to items below:

- Approved runoff and erosion controls installed before site vegetation is cleared (other than that associated with the construction of the controls).
- Topsoil to be stripped only from approved areas and stockpiled for re-use during site rehabilitation and landscaping.
- Stockpiles of topsoil, sand, aggregate, spoil or other material to be stored clear of any drainage line, easement, waters, footpath, kerb or road surface and shall have measures in place to prevent the movement of such materials onto the areas mentioned. All stockpiled materials to be retained within the property boundaries.
- Runoff detention and sediment interception measures applied to the land. These measures will reduce flow velocities and prevent topsoil, sand, aggregate, or other sediment escaping from the site or entering any downstream drainage easements or waters.
- The capacity and effectiveness of runoff and erosion control measures shall be maintained at all times to conform to the specifications and standards quoted and to any conditions of approval of those measures.
- Provide a wash-down area behind sediment control lines for washing and cleaning activities, brick cutting, etc.

Methods could also include:

- Maintaining all erosion control measures for the duration of works until the land is effectively stabilised.
- Demarcating / controlling areas for construction activities and traffic movements – to minimise disturbance on-site.
- Locating stockpiles / material storage areas away from drainage paths and stormwater systems.
- Regular street-sweeping (or similar) of roadways adjacent to, and within, the site during the course of construction - to ensure they are kept free and clear of mud and sediment.

6.6 Vegetation protection

Vegetation protection plans are to be prepared as part of the EMP and provided by the Principal Contractor prior to the commencement of works. The plan must outline the methodology to be implemented for the protection of trees retained throughout the project works.

Common methods of vegetation protection include, but are not limited to:

- All trees and vegetation to be retained clearly marked and protected prior to works commencing on site and protection measures are to be approved by a qualified arborist.
- Any spread of introduced weeds etc. controlled quickly and effectively.
- Protection of vegetation via ground protection mats or similar

6.7 Noise and vibration

The Principal Contractor is to manage noise and vibration in accordance with any requirements as set out in the Acoustics Report, and undertake any other necessary works (reports or monitoring) to meet their obligations. Management of noise and vibration is to be included in the Principal Contractor's EMP.

The main parties to be considered by the Principal Contractor are the low density residential housing situated along the eastern & western site boundaries, particularly the eastern boundary along Campbell St, which are those in closest proximity to the works, as well as the operational school upon which the works are proposed.

The Principal Contractor will need to coordinate noisy works. Particular attention should be given to the following activities:

- Loading of trucks
- Truck operating noise
- The use of heavy construction equipment
- Construction activities that generate high levels of noise, likely to affect neighbouring residents/facilities and school operations.

Minimisation techniques may include but are not limited to:

- Use of equipment which produces less noise.
- Equipment silencers and other equipment noise abatement treatments where possible.
- Adherence to site working hours.
- Coordination with the Young High School (YHS) and TAFE NSW – Young (TAFE) on specific quiet times.
- Completing some works off site as part of prefabrication where practical.

- Conducting particularly noisy activities for short durations, where practical.

6.8 Dust control

The Principal Contractor will be required to adhere to all air quality measures as depicted in their EMP.

Specific items to address include, but are not limited to, the minimisation of dust creation through the management of stockpiles and excavation areas. Common techniques used are:

- The employment of water trucks, sprinklers or spray cannons to spray exposed areas.
- Covering stockpiles with geofabric or similar material.
- Covering truckloads of soil or other dusty material prior to trucks leaving site.

These measures are to be used as a minimum as needed.

6.9 Air quality and odour control

The Principal contractor will be required to implement odour control that may arise from:

- Truck or plant equipment
- Stockpiles
- Onsite staff amenity facilities
- Other odour producing work activities.

Management may include:

- Air quality monitoring regime where necessary
- Odour identification and resolution procedures

6.10 Waste management and disposal

The Principal Contractor will be required to provide a detailed site specific WMP. This plan is in addition to the preliminary WMP prepared by ECCell Environmental Management. The Principal Contractor's WMP will indicate measures that will encourage the management and minimisation of waste during construction.

The following measures may be considered, where possible or practical:

- Removal of contaminated waste in accordance with all applicable standards and legislation.
- Recycling and reuse of all materials.
- Separation of vegetation from general construction waste to be mulched for reuse.
- Disposing general waste that is not recyclable to an approved waste management facility.
- Ensuring that material transported to or from the site is secure.

All material disposal should be undertaken in accordance with the relevant regulatory requirements. Any soil to be disposed of must be assessed in accordance with the NSW EPA Waste Classification Guidelines Part 1: Classifying Waste.

7. Construction Traffic Management

7.1 Traffic Management Plan

The Principal Contractor will be required to provide a site specific TMP prior to commencing works and in accordance with the Construction Traffic Management Plan prepared by Peter Meredith Consulting. The plan is to demonstrate how the Principal Contractor will maintain safe and adequate pedestrian, cycle and road traffic access within the surrounding road network and public domain.

The TMP should explain how traffic related risks will be managed at the construction workplace. This may include details of:

- Designated travel paths for vehicles including entry and exit points, haul routes for debris or plant and materials, or traffic crossing other streams of traffic.
- Protocols for trucks entering and leaving the site, including ensuring all loads are covered appropriately.
- Strategies for minimising impact on neighbours such as:
 - Trucks to arrive and depart during the designated construction hours with consideration given to peak traffic times
 - Sizes of truck to be commensurate to size of delivery / waste load
 - Number of truck movements should be minimised as much as possible by maximising load size
 - Trucks should not queue on residential roads but are to enter onto site where possible
- Pedestrian and traffic routes.
- Designated delivery, loading and unloading areas and procedures.
- Travel paths on routes remote from the workplace including places to turn around, dump material, access ramps and side roads.
- How often and where vehicles and pedestrians interact.
- Traffic control measures for each expected interaction including Traffic Control Plans (TCPs) which include drawings of the layout of barriers, walkways, signs and general arrangements to warn and guide traffic around, past or through the workplace or temporary hazard.
- Requirements for special vehicles like large vehicles and mobile cranes.
- Requirements for loading from the side of road onto the site.
- Procedures for other impacts such as workforce parking (on site / offsite) and site pedestrian movements.
- Internal site vehicle routes, site road rules and other safety information.
- The responsibilities of people managing traffic at the workplace.
- The responsibilities of people expected to interact with traffic at the workplace.
- Instructions or procedures for controlling traffic including in an emergency.
- How to implement and monitor the effectiveness of a TMP.

The TMP should be monitored and reviewed regularly including after an incident to ensure it is effective and takes into account changes at the workplace.

Workers and transportation companies should be aware of and understand the TMP and receive information, instruction, training and supervision. The site induction should cover the TMP.

7.2 Plant and equipment

All vehicles used in traffic control operations will be equipped with the appropriate vehicle mounted warning devices in accordance with the RMS Traffic Control at Work Sites Manual ver5 (TCAWS). Plant required to be managed on site could include:

- Excavators, rollers and other heavy construction machinery
- Cranes (pad mounted and mobile)
- Large Trucks
- Delivery trucks
- Site personnel vehicles (cars, utes etc.)

The Principal Contractor should minimise incoming and outgoing site traffic during local peak traffic periods.

7.3 Traffic control

Where required, the Principal Contractor will be required to engage suitably qualified and approved traffic controllers to undertake works in a safe and responsible manner. Traffic controllers are to carry licence tickets at all times.

Site specific instances where traffic controllers could be required include:

- Providing safe passageway to pedestrians at the site entrance.
- Ensuring the safety of community traffic near the site entrance, particularly in regards to site traffic entering and exiting the site.
- Erect and maintain traffic warning signs for community cars/trucks, cyclists and pedestrians.

Requirements for traffic controllers are to be outlined in the TMP supplied by the Principal Contractor.

7.4 Construction vehicles and truck movements

From the traffic analysis included in the Construction Traffic Management Plan, it is noted that the impacts of construction vehicles are short term and will not adversely affect the majority of traffic flow, which is along Campbell Street.

A preliminary route for construction vehicle entry / exit is provided in Figure 3. It is proposed that construction vehicles will:

- Arrive at the site via Caple Street, entering the off-street carpark adjacent to Carrington Park.
- Unload and load within the site boundary.
- Depart from the site via the same route

It is noted that amendments to the construction vehicle entry / exit may be proposed by the Principal Contractor to suit their intended construction methodologies.

Delivery block out periods may be imposed on the construction works to mitigate impacts with arriving / departing students and staff from YHS and TAFE around start and finish times. Any

such block out periods and associated roads will be agreed with the YHS and TAFE prior commencement of the works, identified in the CMP and detailed in the detailed TMP.

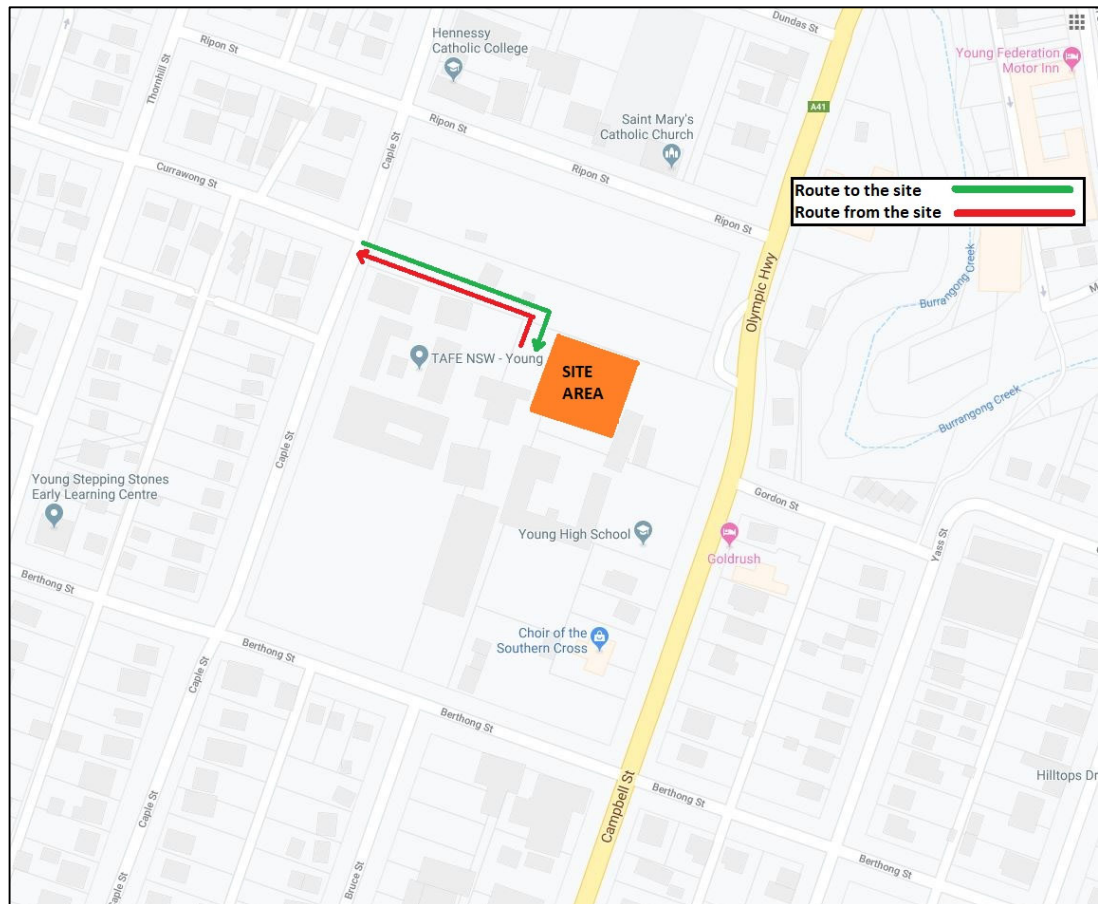


Figure 3 - Preliminary Construction Vehicle Routes

7.5 Pedestrian and traffic safety

During the works pedestrian movements around the site will be maintained as much as possible. Temporary boundary fencing will be used to limit pedestrian access to the site.

7.6 Traffic impacts from workforce

Impacts from workforce traffic will be managed in the detailed TMP. The Construction Traffic Management Plan by Peter Meredith Consulting demonstrates high availability of street parking.

The contractor will be required to utilise current existing street parking where applicable.

8. Service disconnections and shutdowns

In general, the following principles will be adopted for service shutdowns or when disconnecting services:

- All relevant Statutory Authorities, clients and stakeholders will be consulted as necessary with full coordination completed prior to any service disconnections and shutdowns.
- All terminations will be undertaken in accordance with DoE and Statutory Authority requirements.
- Any service disconnections and termination works are to be undertaken by suitably licensed contractors.
- Shutdown to disconnection plans may be prepared as required.
- A minimum notice is to be provided as per statutory authority notification periods to any party that will be impacted by the service disconnections or shutdowns.
- For locating and dealing with existing services, the Principal Contractor is to comply with the requirements of GC21 Edition 2 Preliminaries (Existing Services).

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