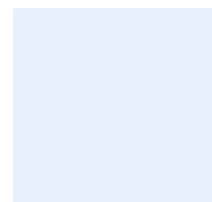




Preliminary Construction Management Plan

New High School for Jordan Springs

18 December 2024





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1. Introduction

This Preliminary Construction Management Plan (CMP) has been prepared for the New High School for Jordan Springs by TSA Riley on behalf of the NSW Department of Education (DOE/the ‘Applicant’).

This CMP has been prepared to accompany a Review of Environmental Factors (REF) for the Department of Education (DoE) for the construction and operation of Jordan Springs High School (the activity) under Part 5 of the *Environmental Planning and Assessment Act 1979* (EP&A Act) and *State Environmental Planning Policy (Transport and Infrastructure) 2021* (SEPP TI).

This document has been prepared in accordance with the Guidelines for Division 5.1 assessments – Consideration of environmental factors for health services facilities and schools, October 2024 (the Guidelines) by the Department of Planning, Housing and Infrastructure.

This report examines and takes into account the relevant environmental factors in the Guidelines and *Environmental Planning and Assessment Regulations 2021* under Section 170, Section 171 and Section 171A of the EP&A Regulation as outlined in table 1 below.

Table 1 – Summary of Relevant Section of the Part 5 Guidelines and EP&A Regulation

Regulation / Guideline Section	Requirement	Response	Report Section
171(2)(a)The environmental impact on the community	<p>a1) Impact during construction – such as noise, vibration, traffic, construction vehicle routes, access and parking, pollution/dust, water and stormwater flow, sediment and run-off, waste removal, servicing arrangements, bushfire, flooding, contamination, other construction occurring in the area.</p> <p>(a2) impact post-construction (including from any development, activity, public-address systems and sirens, signage, events, hours of operation, or out of hours use of facilities, helicopter facilities, emergency facilities) which may include:</p> <p>(i) water flow/water quality, downstream impacts</p> <p>(ii) flooding impact, flood evacuation routes, changes to flood risk and patterns</p> <p>(iii) bushfire impact, bushfire evacuation routes, changes to bushfire risk and patterns</p> <p>(iv) impact, during a flood or bushfire event, on existing infrastructure such as roads, etc</p> <p>(v) impact on emergency response to existing communities</p>	<p>The CMP assesses and outlines the appropriate construction management practices to address:</p> <ul style="list-style-type: none"> • construction vehicle routes • traffic and parking management • access for construction personnel • construction deliveries • site visitation • access for emergency vehicles and personnel 	Section 7 – Site access, section 9 – Site maintenance and section 10 – Environmental Plan.

171(2)(l) Pollution of the environment	<p>l1) any pollution during construction and post construction e.g. air (including odours and greenhouse gases); water (including runoff patterns, flooding/tidal regimes, water quality health); soil (including contamination, erosion, instability risks); noise and vibration (including consideration of sensitive receptors); light pollution; waste, including hazardous waste</p> <p>(l2) impact of contamination spill, movement or disturbance during and post construction, and into the long term</p> <p>(l3) impact of a potential rainfall or flood event during construction (e.g. storage of fuel for construction vehicles, stock piles of soil, etc)</p> <p>(l4) dangerous goods and hazardous materials associated with the development (i.e. labs)</p>	<p>The CMP assesses and outlines the appropriate construction management practices to address:</p> <ul style="list-style-type: none"> • Pollution during construction and post construction • Dust management • Waste removal • Management of contaminated soils (if required) • Road and site cleaning 	Section 9 – Site maintenance and section 10 – Environmental Plan.
171(2)(m) Environmental problems associated with the disposal of waste	<p>m1) environmental problems of waste during and after construction (left over construction materials, and personnel waste), transport and disposal of waste, ongoing use and eventual decommission of the development (m2) cumulative impacts from waste</p>	The CMP specifically identifies appropriate construction management practices for waste during construction and the transport and disposes of waste.	Section 10 – Environmental Plan

The CMP will specifically identify appropriate construction management practices and mitigations to support the orderly development of the works, whilst minimising the effects of the project on surrounding properties and other adjacent stakeholders that may be impacted by the works during the construction phase.

Each element of the works described in the preliminary CMP will be carried out by a selected Head Contractor on behalf of the NSW DOE. Once the Head Contractor has been appointed, a comprehensive CMP will be prepared by the Head Contractor with specific details, strategies and methodologies for the management of all activities on site to achieve the desired outcomes. This Preliminary CMP will be used for reference only.

The NSW DOE will ensure that the Head Contractor satisfies the minimum standards detailed in this preliminary CMP.

The Head Contractors requirements outlined as part of this CMP will be specifically included in the GC21 General Conditions of Contract, GC21 Preliminaries, GC21 Conditions of Tendering and GC21 Tender Schedules.

Following the appointment of the Head Contractor, a detailed Project Construction Program will be produced in accordance with the contract, including consideration to all sequencing constraints, and issued to the Principal School Infrastructure NSW (SINSW), prior to site establishment. The proposed activity will be constructed by DoE.

2. Documentation Review

The following plans/ reports identified in Table 2 have been reviewed to inform the assessment contained within this report:

Table 1 – Plans and reports reviewed			
Discipline	Document name	Revision	date
Architectural	Architectural drawings – Issue for REF	2	06/12/2024
Traffic	Traffic & Access Impact Assessment	3	13/12/2024
Waste	Operational Waste Management Plan	E	13/12/2024
Acoustic	Noise & Vibration Impact Assessment	2	12/12/2024
Staging	Staging Plans	6	16/12/2024
Contamination	Detailed Site Investigation	B	18/12/2024
Waste	Construction Waste Management Plan	E	13/12/2024

3. Project Activity Description

The proposed activity for the construction and operation of a New High School for Jordan Springs is proposed to have a capacity of 1,000 students and 80 staff to meet forecast enrolment demand associated with population growth in Jordan Springs and Ropes Crossing. The school will provide permanent General Learning Spaces (GLS), Support Learning Spaces (SLS), staff facilities and a library across three (3), three storey buildings, a single storey hall, sports field, three (3) outdoor sport courts, 72 operational at grade parking spaces (including two (2) accessible spaces), 100 bicycle spaces and landscaping.

Public domain works and the permanent off-site OSD Basin are to be constructed by others under separate planning pathways.

Proposed Activity Scenarios:

The project scope of works includes two (2) Scenarios, to allow construction and operation of the school, with (Scenario 1 – preferred option) or without (Scenario 2 – Interim Solution) the public domain works and permanent off-site basin being constructed by others under a separate planning pathway.

Scenario 1 – Preferred Option - Road Network completed and permanent OSD Basin Constructed

- **External works undertaken by others to facilitate Scenario 1**
 - Construction of Park Edge Road;
 - Any adjustments to Infantry Street;
 - Kiss and drop zone along Park Edge Road;
 - Support kiss and drop zone located along Infantry Street; and
 - Construction and operation of permanent OSD Basin off site.

Note – Scenario 1 is not to proceed if external works undertaken by others is not completed.

- **Scenario 1**
 - Construction and Operation of the New High School for Jordan Springs, including:
 - Decommissioning of existing on-site OSD basin;
 - Demolition of roads and associated services within the site boundary;
 - Tree removal within the site boundary
 - Earthworks;
 - Three (3) multi-storey classroom buildings;
 - One (1) school hall;
 - Three (3) outdoor sport's courts;
 - One (1) sport's field;
 - 72 at grade car parking spaces, including two (2) accessible parking spaces, and waste services, accessed via Park Edge Road;
 - 100 bicycle parking spaces across the site; and
 - Landscaping.

Scenario 2 - Interim Solution – Road network not completed, Permanent OSD Basin not constructed.

- **Scenario 2 - Stage 1**

- Construction and operation of a temporary on-site OSD Basin;
- Construction and operation of the New High School for Jordan Springs, including;
 - Demolition of roads and associated services within the site boundary;
 - Tree removal within the site boundary
 - Earthworks;
 - Three (3) multi-storey classroom buildings;
 - One (1) sport's field;
 - Temporary carpark - 72 at grade car parking spaces, including two (2) accessible parking spaces and waste services, located on the northwest corner of the site, accessed off Armoury Road;
 - 100 bicycle parking spaces across;
 - Temporary Kiss and drop facilities on Armoury Road; and
 - Associated landscaping.

- **Scenario 2 - Stage 2**

Stage 2 is not to be undertaken until the temporary on-site OSD basin under stage 1 works is completed and operational.

- Decommissioning of existing on-site OSD basin, prior to the following works being undertaken:
 - 72 at grade car parking spaces, including two (2) accessible parking spaces, and waste services, located on the southeast corner of the site. This car park cannot be constructed until the decommissioning of the existing OSD basin is completed and will be non-operational with no road connection until completion of Scenario 2 – Stage 3;
 - One (1) school hall;
 - Three (3) outdoor sport's courts; and
 - Associated landscaping.

External works undertaken by others to facilitate Stage 3

- Construction of Park Edge Road;
- Any adjustments to Infantry Street;
- Kiss and drop zone along Park Edge Road;
- Support kiss and drop zone located along Infantry Street; and
- Construction and operation of OSD Basin off site.

Note – Scenario 2 - Stage 3 is not to proceed until the external works undertaken by others have been completed.

- **Scenario 2 - Stage 3**

- Connection of the southeast carpark to Park Edge Road;
- Rectification works along Armoury Road to remove temporary kiss and drop facilities and cross over for temporary carpark;
- Demolition of temporary carpark, once permanent car park is operational; and
- Decommissioning of temporary OSD basin.

4. Activity Site

The project site is located on the corner of Armoury Road and Infantry Street in Jordan Springs and is legally described as part of Lots 2 and 3 in DP 1248480.

Figure 1 provides an aerial photograph of the project site, outlines the boundaries of the project site (in red) and the boundaries of Lots 2 and 3 in DP 1248480 (in blue).



Figure 1: Aerial Photograph

The project site is within the Central Precinct of the St Mary's Release Area in the Penrith Local Government Area.

Other Approvals

- External works and construction of the permanent off-site OSD Basin are to be constructed by others.

5. Potential Constraints Impacting on the Construction Methodology

Overview

This section highlights potential constraints that may impact the construction methodology. It is not an exhaustive list and it is the Head Contractor's responsibility to ensure that their proposed construction methodology considers all necessary factors and implications.

Access to facilities

The Head Contractor shall endeavour to complete and handover scope to the school as early as practical, so as to not negatively impact the future operations of the school and its stakeholders.

Legislative Requirements

The proposed works must be undertaken in accordance with the following legislative requirements and any others that

must be complied with in undertaking the works as required:

- Work Health and Safety Regulation; and
- NSW Environmental Protection Agency

Final Project Scope Scenario Selection

The proposed methodologies are applicable to each scenario, with only minor details varying according to the extent of scope selected to be completed as part of either Scenario 1 or Scenario 2.

6. Site Mobilisation

Overall Program

The Activity will be conducted under a GC21 Contract. All works will be managed by a single Head Contractor who will be the Principal Contractor for the purposes of the WHS Act.

Following the appointment of the Head Contractor, a detailed Project Construction Program will be produced in accordance with the contract, including consideration to all sequencing constraints, and issued to the Principal (SINSW) prior to site establishment.

The Contractor will consult with SINSW to establish how construction activities can be accelerated. Any such proposals must however be approved by Penrith Council if anticipated to generate additional noisy works or works that may impinge upon the daily activities of surrounding stakeholders.

Site Security

The Contractor will be responsible for site security and access. It is envisaged that the site will be secured by use of the following:

- All temporary fencing will comply with Australian Standards and WorkCover NSW Codes of Practice, with a designated site entry gate which will be secured by chain and padlock after hours; and/or
- Class A or B hoardings;
- Temporary fence panels to be 1.8m to 2.4m in height. Shade cloth will be placed on the temporary fencing to help minimize dust and present a clean and well-managed site. Bracing will be required to the temporary fencing to ensure that high wind events do not alter its position or integrity.
- A daily inspection of all hoardings/ fences/ gates will be undertaken. All graffiti encountered will be removed and/or painted over within 48 hours.
- Appropriate signage will be displayed at all access points to the site warning staff, visitors and the general public that an area which is fenced and/or hoarded off is a construction site.
- All access points allowing entry to the construction site will be locked at all times with the exception of the main entry gate to the site which will remain open (ajar) during normal working hours. All entries to site will be notified to the site supervisor, with records kept of delivery times. The Contractor will implement an Emergency Site Access Procedure, with emergency site access maintained at all times. All vehicle entry points will require the installation of a shaker grid and appropriate mitigation measures to reduce the impact of vehicles entering and exiting the site.
- Gates allowing vehicular access will be clearly signposted to allow trucks to easily locate the correct gate. During any peak operating times, all vehicular gates will be manned with a stop/go controller while the gate is being used for access.

Additional measures required to secure the site will be identified by the Head Contractor in their final CMP.

Should any security issues arise, these will be reported to the Project Manager, the nominated School representative, and if necessary, pursued with local police.

Site Set Up

The Contractor will ensure that the site is fully set up with the following, prior to the commencement of any works:

- Fencing / hoarding which sets out the site boundary, access and footpaths for construction personnel and school staff, students and visitors;
- Installation of vehicle shaker grids, sediment fencing and other nominated environmental control measures
- Signage which clearly sets out access, health & safety, contact details and public information;
- Temporary utilities for the works are in place and functional (such as electricity, water);
- Temporary facilities and equipment for the works is in place and functional (such as Portaloo's, air conditioning, drinking water, security systems, external and internal lighting);
- Temporary site accommodation have received building control sign off;
- Maintenance, cleaning and medical equipment is in place and functional.

Hours of Work

Hours of work permissible during the course of the project are proposed to be Monday to Friday 7.00am to 6.00pm and Saturday 8.00am to 1.00pm. No works will be undertaken on Sundays and Public Holidays unless otherwise notified in accordance with the activity approval.

These working hours are preliminary and subject to the hours of work granted under the activity approval process. Relevant authority approvals will be obtained by the Contractor prior to any work being performed outside the approved activity consent working hours.

7. Site Access

Access for Construction Personnel

Access by the Head Contractor, subcontractors, and other site visitors to the work site will strictly be via the Contractor's established entry points. All contractors, subcontractors, consultants, deliveries and visitors shall be required to sign in for access. All construction personnel will be advised of the requirements of access as part of the Induction process prior to commencing work on site. General circulation from the Contractor's site establishment area and the site will be in accordance with the Site Establishment Plan, which the Contractor will develop in consultation with the Principal.

Access for Emergency Vehicles and Personnel

Construction works will not affect access for emergency vehicles and personnel during the course of the project. However, if in the event that a particular construction activity affects the access path, the Contractor will ensure

suitable alternative access is maintained at all times for emergency vehicles. The emergency and evacuation management plan will need to be revised accordingly to suit.

Deliveries

All deliveries of material to site will be carried out during approved hours of work and outside of peak school hours, including the AM peak (7:45am to 8:45am) and PM peak (2:30pm to 3:30pm). All material movements will be carried out in accordance with the Contractor's material handling procedures and Construction Traffic Management Plan (CTMP).

Construction Access and Plant Equipment

The Contractor may require daytime construction zones outside of the site boundary. These zones will be the subject of separate applications to council.

Standard civil equipment is expected to be used on site, including excavators with bucket and pick attachments, rollers, pile boring rigs, water carts and trucks.

All plant and equipment will be regularly serviced and tagged to ensure all are in good working order, safe and minimise emissions. It will be the Head Contractors responsibility to ensure that all equipment being used on site is checked prior to operation to ensure compliance with the relevant Australian Standards. All plant and equipment will be securely stored outside of construction hours.

Site Visitation

Visitations by non-construction personnel will not be permitted unless prior arrangements have been made with, and approved by, the Head Contractor's site supervisor or appropriate representative. If access is granted, visitors must be accompanied by a representative of the Contractor, have undertaken any relevant site inductions and be wearing appropriate PPE.

Visitors wishing to gain access to the construction site on a regular basis during the course of the project will undertake the site induction and obtain an Industry White card.

Traffic and Parking Management

Prior to commencement on site, as part of the Head Contractors CMP, a conforming Construction Traffic Management Plan for construction traffic must be provided by someone with a valid Traffic Control Work Training Card (TCWT). All vehicles entering construction sites will be managed and attended by qualified traffic control personnel. Traffic movements for demolition, excavation and construction will generally be confined to the approved working hours, in accordance with the Traffic & Access Impact Assessment. All vehicular movements to and from the site will be in a forwards motion only.

In accordance with Penrith City Council requirements, separate applications will be submitted for works zones and road closures.

8. Safety Management

General Site Safety Conditions

The Head Contractor will develop and maintain a Safety Management Plan, which clearly outlines procedures for construction personnel to follow at times. Details of this plan will be posted at the staff / office notice board and available at all times for reference by site personnel, subcontractors and visitors. The Contractor will ensure that all construction personnel have valid White Cards (including any other applicable ID cards) and any further task specific licenses, tickets and qualifications.

The Contractor will ensure all construction personnel have undertaken any applicable child protection training (in line with the NSW Child Protection legislation) and are inducted prior to commencement of any works on site.

PPE will be worn by all personnel at all times whilst on site and will not be permitted to enter otherwise. The extent of PPE to be worn will be in line with the Contractor's standards of practice and take into account the nature of the works.

A medical kit will be kept on site in an easily accessible location, with at least one member of the Contractor team trained in Advanced First Aid on site at all times.

WH&S Plan

The general work, health and safety principles are as follows:

- Ensure a safe environment for the surrounding stakeholders and adjoining community;
- Ensure safe access onto the site for staff, employees, subcontractors and site visitors;
- Ensure a safe working environment for site staff, employees and subcontractors; and
- Site safety will be addressed in accordance with the NSW Work Health and Safety Act.

The appointed Head Contractor will be nominated as the Principal Contractor and will be required to prepare a Site Safety Plan. Contractor Management of the site will be in accordance with the NSW Work Health and Safety Act and an accredited AS 4801 occupational health and safety system.

The Contractor will nominate a site safety/first aid representative as required by the WHS Act and the Contractor's WHS procedures. The Contractor will nominate first aid and emergency call locations as appropriate to the works and access provisions. The locations will be clearly posted, and the site personnel and school community will be regularly informed of locations in regular site-based safety updates.

Construction workers and visitors will not be permitted to enter the site under the influence of ability depriving drugs or alcohol and will be subject to random testing as required.

The Contractor will ensure that all activities on site are the subject of Safe Work Method Statements (SWMS) and/or in accordance with the policies and procedures included in the Site Safety Plan. All sub-contractors and visitors to the site will be required to comply with the site safety rules.

The Site will be managed by a full time by at least one Site Supervisor as a minimum.

The Contractor will be required to manage the conduct of all personnel on site. All construction workers and visitors to the Site will be subject to the Contractor's management systems. All construction workers will be required to hold a Construction Industry Card as a basic safety standard. All construction workers will be inducted to the Site. The induction will cover the site policies, procedures, facilities, amenities and emergency evacuation procedures.

The Contractor will provide regular updates to site safety and logistics through regular toolbox talks. All inductions and toolbox talks will be recorded in a Register.

Emergency Procedures

In the event of an emergency situation, which includes (but is not limited to) the following:

- Emergency evacuation
- Fire
- Flooding
- Gas leak
- Mains power failure
- Explosions - Bomb threat
- Chemical spill
- Construction accident
- Medical emergency
- Theft
- Criminal or accidental damage

The Contractor will be responsible to ensure that all construction personnel associated with the works are evacuated from the work site in accordance with the Contractor's Safety Management Plan. During evacuation of the work site, the Contractor's representative will notify SINSW, advise of the status of the site and any further emergency procedures required.

The Contractor will ensure that an Evacuation Plan, emergency exit routes and rallying points are displayed appropriately within the work site to assist construction personnel evacuating in the event of an emergency. This will also form part of all site inductions.

Work Permits

The Contractor will ensure that no works proceed until the relevant works permits and safety procedures have been obtained, in accordance with the associated statutory guidelines. The contractor will make these permits available on request to relevant authorities and keep copies on site and accessible at all times.

Adjoining Property

The site is bound by numerous residential properties. The contractor will induct, and regularly promote, all construction personnel to behave in a manner that does not disrupt the daily operations of the neighbours and be encouraged to project a professional work place as a representation of DoE.

Construction Traffic

The impact of construction traffic on the surrounding road network will be kept to a minimum by implementing the following controls:

- Construction trucks travelling to and from the site will be using only roads that permit trucks and through traffic;
- The timing of truck arrivals and departures will generally be outside commuter and school peak periods;
- Trucks not able to park on site due to space restrictions will be located in a Works Zone;

- All kerb crossings and driveways for trucks crossing the footpath will be supplied with warning signage to ensure that pedestrians cross those areas with care; and
- Construction workers cars will be located on site or in the public parking areas in the vicinity. Where possible construction workers will travel on public transport.

Pedestrian Circulation

Minimal disruption is anticipated to pedestrian movements on footpaths that are open to the school community and public. Footpaths will be maintained for public access for the duration of the works. Where works are required within the road reserve, on the road or the footpath, the Contractor will provide suitable notice of such closures and provide appropriate safe alternative access around the works. Works will be carried out in accordance with the approval.

Significant changes to the Pedestrian Management Plan will be communicated to the community via SINSW Community Engagement Team.

Incident Management and Reporting

The Contractor will develop and maintain an incident plan in order to minimize disruptions and provide a clear and simple guideline for disruptive events. The Contractor's Incident Management Plans are to be implemented on the project upon award of the Contractor.

For an incident the key steps are:

- Check for danger to yourself and to others ;
- Create an exclusion zone and preserve the scene unless for the above exceptions;
- If safe to do so, provide immediate first aid or any assistance and/or Send for help;
- Report immediately to the Project Manager who will then communicate this to SINSW and the Project team.
- Record the actual type, size and location of signs and devices in use at the time of the accident;
- Take photographs of the arrangement for subsequent reporting. A file will be kept including any relevant information.

The Contractor will promptly notify SINSW of the occurrence of the following incidents and accidents:

- Accidents involving death or personal injury;
- Accidents involving lost time;
- Incidents with accident potential (for example equipment failure and near misses).

Insurances

The Contractor will ensure that it has all necessary insurances to undertake all works associated with the scheme. This will be made available to SINSW on request.

9. Site Maintenance

Waste Removal

The Contractor will remove from the site all rubbish resulting from the works. Rubbish will be handled in a manner so as to confine the materials, minimize dust emissions and allow easy disposal.

All bins will be removed by a licenced Contractor with appropriate systems to track waste recycling and disposal. All waste management practices are to be in accordance with the project Waste Management Plan for the Activity.

To conduct the works, demolition and disposal of demolished materials will be required. Where possible, any excess materials generated from the works will be recycled at a licensed waste management facility. All waste management will be completed by the Head Contractor in accordance and compliance with the Contamination - Detailed Site Investigation prepared by Stantec, Construction Waste Management Plan prepared by Elephants Foot and relevant EPA Guidelines. The Contractor's CMP to identify locations of stockpiles, which will be the contractors responsibility.

Daily Maintenance Tasks

Prior to work commencement:

- The Contractor's supervisor will carry out the following operations before work starts, to ensure acceptable safety at all times:
- Daily pre-start toolbox talk with subcontractors
- Inspect all signs and devices, rectifying any defects, as well as inspecting the safety and effectiveness of the site set up in general
- Inspect all emergency and pedestrian paths and ensure they are clear of any obstructions
- Make any programmed adjustments to the site management provisions for the day
- Clean and maintain the site in accordance with the stipulations of details of the Contractor's standard of practice

During work hours, the Contractor's supervisor shall:

- Immediately attend to any hazards to construction personnel
- Maintain signs, barriers, access paths throughout working hours
- Carry out regular checks to ensure safety equipment and measures are functioning as required
- Ensure all site vehicles (deliveries in particular) are adhering to the Construction traffic management plan

Record Keeping, Site Quality Assurance and Daily Records

The Contractor will keep adequate records of daily activities and any significant departures or additions in a Project Diary. An Inspection and Test Plan (ITP) register shall also be developed and administered to ensure compliance with the management plans and any of the nominated Witness and Hold Points from the consultants.

10. Environmental Plan

General

The Contractor will be required to maintain and enforce an environmental management plan on site.

All parties entering the site will be required to attend a site induction, at which time the site environmental management plan will be instructed, and its requirements made a prerequisite for site access and/or commencement of work.

The applicant will prepare dilapidation reports of the adjoining properties prior to the commencement of works. The Contractor will ensure vibration is minimised and kept within acceptable levels. All works will be conducted in accordance with the Contractor's approved CMP.

Tree Protection

Trees will be protected in accordance with any Penrith City Council requirements and as outlined by the AQF L5 Arborist in the Arboricultural Report. The Head Contractor upon appointment will be required to provide a detailed Construction Management Plan. This plan will need to include and demonstrate the measures by which the Contractor intends to implement that will protect the nominated trees and vegetation whilst the works are being undertaken. Any changes to the proposed management plan or activities that may deviate from the Arboricultural Report will need to be submitted for review and approved by the project Arborist.

Dust Management

The site perimeter fence will be installed with mesh screening to manage any airborne dust. Mesh screens will also be provided for any scaffolding.

The Contractor will minimise the potential for any air quality impacts by providing whenever possible, a wet process for cutting, drilling and grinding to limit dust emission. The Contractor will adopt adequate measures to prevent dust from affecting the amenity of the surrounding land uses during construction to prevent the escape of dust or other material.

The generation of dust during demolition will be limited. Mist spray will be employed during the demolition and excavation where required and all works will be undertaken in accordance with WorkCover NSW Codes of Practice.

The Contractor shall ensure that all trucks leaving the site have their loads covered and cross a shaker grid prior to entering the roadway. Loose materials will be appropriately stored onsite in order to minimise potential impacts from prevailing weather conditions. Where deemed necessary, truck exit routes will be provided with a truck wash-down pits, shaker grids or ballast pits. Material stockpiles will be avoided. Mist sprays will be employed if necessary, to minimise particulates.

Road and Site Cleaning

The Contractor will ensure that the surrounding public roads are cleared of any materials resulting from the works, in particular sand, rocks and other cleared material / debris resulting from demolition activities from the site that may fall off trucks as they leave site.

On completion of the works, the Contractor will also ensure that the site is cleared of any building materials and is left in a tidy and safe condition.

Noise and Vibration

The Contractor will assess the noise and vibration levels in line with its developed construction methodology and specific items of plant and equipment used on site and determine the acceptable monitoring and mitigation measures based on statutory guidelines above, as well as consider the mitigation and monitoring recommendations made within the Noise and Vibration Impact Assessment prepared by Marshall Day such as preparation of a detailed Construction Noise and Vibration Management Plan (CNVMP) should be prepared prior to construction works commencing.

The Contractor will select the quietest plant equipment and minimize the use of 2 stroke engines.

As part of above, surrounding neighbours may need to be informed of the scope of works, their duration and likely noise levels, based on consultation with SINSW. All noise complaints from local residents must be recorded and reported to SINSW.

Material Delivery / Removal

As part of the Construction Traffic Management Plan (CTMP), the Contractor will develop a procedure for the efficient and safe loading / delivery of material onto trucks for transportation on and off site. This plan will instruct the access, loading / unloading procedure and transport route of trucks so as to minimize disruption to surrounding activities and protect surrounding property.

Management of Contaminated Soils (if required)

If contaminated soils are encountered during the works, activities being undertaken within the vicinity of the contaminated materials will be suspended for further investigations including soil testing. Contaminated soils will then be treated, managed and or removed in accordance with the Department of Education Asbestos Management Plan.

Potential risks associated with unidentified occurrence of asbestos or other sources of contamination can be addressed via the implementation of an unexpected finds protocol and, if required, appropriate management during the demolition and construction works.

Stormwater and Sediment Control

Prior to commencement on site, the Head Contractor will be required to provide a stormwater management plan, which will detail all aspects regarding stormwater and sediment management during the undertaking of the works. All of the proposed erosion and sediment control measures for the works shall be designed, installed and maintained throughout the project in accordance with REF conditions and consultant details.

During construction, waste points and storm water entry points will be protected with geo-textile fabrics and hay bales to filter storm water lines from runoff. These areas will be continually cleaned of rubble to minimise and potential sediment flow during rainfall periods.

The existing footpath crossovers will be swept and maintained at all times hence the occurrence of wheel-based contamination is seen as minimal. The wheels of the vehicle departing from the site will be monitored for cleanliness prior to leaving site and must cross a shaker grid.

Sediment fencing will also be required to be placed to all site boundaries and maintained throughout the project.

11. Stakeholder Consultation & Communication

Stakeholder Identification

Key stakeholders involved within the scheme include:

- NSW Department of Education
- Local community residents (adjoining property owners in particular)
- Statutory and utility authorities
- Penrith City Council
- Transport for NSW (TfNSW)
- Local Community Groups

Communication Plan

SINSW acknowledges potential inconvenience to residents as a result of construction work associated with the construction. As a result, the Contractor will develop a full construction management plan, which accounts for the needs of residents neighbouring the site.

During the construction period, SINSW (in conjunction with the appointed Contractor) will manage all consultation with the public and notification of occupants of residential property in the surrounding area. The Contractor engaged will assist by managing neighbours in accordance with the following principles:

- Manage the site in accordance with the approved CMP;
- Strictly work within the approved hours of operation as set out by planning authorities;
- In the event that any work, delivery or operation which is considered out of the ordinary is required, then the Contractor is to attain all necessary approvals and make the required notices prior to undertaking the work, delivery or operation;
- In the event that out of hours work will be required, a letterbox note to adjoining neighbours is to be affected at least 24 hours prior to the work being undertaken;
- Provide a regular update of forecast works and disruption via a newsletter or website; and
- Manage a complaints/incident handling procedure that will ensure that any complaints are responded to and addressed.

Site establishment will include signage to identify a single point of contact for any complaints and communication for the neighbours. The name and mobile phone number of the nominated person (day and night) will be posted on the perimeter fence and will be kept up to date in all notices, letterbox drops and SINSW website updates Jordan Springs High School specific.

All complaints and communications with the public and other key stakeholders will be recorded in a Register. A copy of the Register will be held on site and made available to the Council, SINSW or the Principals representative (Project Manager) upon request.

12. Mitigation Measures

The following recommendations aim to avoid and mitigate any identified negative impacts.

Table 2 – Mitigation Measures			
Mitigation Number/ Name	When is Mitigation Measure to be complied with	Mitigation Measure	Reason for Mitigation Measure
1	<u>Prior to commence of any Construction works</u>	A comprehensive final CMP that is generally in accordance with this Preliminary CMP will be prepared by the Head Contractor with specific details, strategies and methodologies for the management of all activities.	To ensure the contractor is minimising the effects of the project on surrounding properties and other adjacent stakeholders that may be impacted by the works during the construction phase.
2	<u>Prior to commence of any Construction works</u>	Relevant authority approvals will be obtained by the Contractor prior to any work being performed outside the approved development <u>activity</u> consent working hours as Monday to Friday 7.00am to 6.00pm and Saturday 8.00am to 1.00pm. No works will be undertaken on Sundays and Public Holidays unless otherwise notified in accordance with the activity approval.	To ensure the contractor is minimising the effects of the project on surrounding properties and other adjacent stakeholders that may be impacted by the works during the construction phase.
3	<u>Prior to commence of any Construction works</u>	In accordance with Penrith City Council requirements, separate applications will be submitted for works zones and road closures.	To ensure all construction traffic and parking management is minimising the effects of the project on surrounding properties and other adjacent stakeholders that may be impacted by the works during the construction phase.
4	<u>Prior to commence of any Construction works</u>	A detailed CNVMP should be prepared by the Head Contractor prior to construction works commencing.	To ensure all construction noise management is minimising the effects of the project on surrounding properties and other adjacent

			stakeholders that may be impacted by the works during the construction phase.

13. Evaluation of environmental impacts

This preliminary CMP has examined and identified the appropriate construction management practices and mitigations to support the orderly development of the works, whilst minimising the effects of the project on surrounding properties and other adjacent stakeholders that may be impacted by the works during the construction phase. Based on this assessment, it has been identified that that the proposed activity will have minimal impacts and negligible environmental impacts.

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