



Melrose Park High School

Preliminary Construction Management Plan (PCMP)

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Prepared for:

Department of Education (DoE)
Level 8, 8 Central Ave
Eveleigh NSW 2015

Prepared by:

Nathan Martin
Associate Director | NSW
Project Leaders
nathan.martin@colliers.com
+61 484 930 441

Joshua De Angelis
Project Manager | NSW
Project Leaders
joshua.deangelis@colliers.com
+61 432 745 200

Colliers International
Level 30, Grosvenor Place
225 George Street |
Sydney, NSW 2000 |
Australia
Main:: +61 2 9347 0798
Colliers.com

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Introduction and Declaration

Introduction

This Preliminary Construction Management Plan (PCMP) has been prepared by Colliers on behalf of the Department of Education (DoE) to assess the potential environmental impacts that could arise from the construction and use of the new Melrose Park High School project (the Activity) at 37 Hope Street, Melrose Park. This report supports the assessment of the proposed Activity under Part 5 of the Environmental Planning and Assessment Act 1979. The Activity is proposed by the DoE to meet the growth in educational demand in the Melrose Park precinct.

This PCMP has been developed during the Schematic Design phase and contains preliminary construction methodologies for the delivery of this project. It is envisaged that this PCMP will evolve and be further developed by the Contractor when appointed to deliver the Main Works in conjunction with the design consultant team, project stakeholders and DoE. It is noted that it is the responsibility of the Contractor to prepare detailed Environmental and Site Management Plans in accordance with the REF Mitigation Measures, for implementation during construction.

Summary of the Activity

The proposed activity involves the construction and use of a new high school in two stages for approximately 1,000 students.

Stage 1 of the proposed activity includes the following:

- Site preparation works.
- Construction of Block A – a six-storey (with additional roof/plant level) school building in the south-western portion of the site containing staff rooms and General Learning Spaces (GLS).
- Construction of Block B – a one storey (double height) hall, gymnasium, canteen and covered outdoor learning area (COLA) building in the south-eastern portion of the site.
- Construction of Block C – a single storey plant and storage building at the north-eastern portion of the site.
- Associated landscaping.
- Construction of on-site car parking.
- Provision and augmentation of services infrastructure.
- Associated public domain infrastructure works to support the school, including (but not limited to):
 - Provision of kiss and drop facilities along Wharf Road, and widening of the Wharf Road footpath.
 - Raised pedestrian crossings on Wharf Road and Hope Street.

Stage 2 of the proposed activity includes the following:

- Construction of Block D – a five-storey (with additional roof/plant level) school building in the north-western portion of the site containing staff rooms and GLS:
- Additional open play spaces within the terrace areas of Building D.
- Minor layout amendments to Block A.

The Review of Environmental Factors prepared by Ethos Urban provides a full description of the proposed works.

Site Description

The site is located at 37 Hope Street, Melrose Park within the Parramatta LGA. The school covers an approximate area of 9,500m² and is generally rectangular in shape. The site is currently cleared and vacant. The site is located approximately 8km east of the Parramatta CBD.

Significance of Environmental Impacts

Based on the identification of potential issues, and an assessment of the nature and extent of the impacts of the proposed development, it is determined that:

- The extent and nature of potential impacts are low and will not have significant impact on the locality, community and/or the environment.
- Potential impacts can be appropriately mitigated or managed to ensure that there is no significant impact on the environment.

REF Reporting Requirements

Requirement	Y	N	N/A	Comments
Staging				
If the project is to be staged, does the REF include preliminary details on how construction and operations will be managed during each stage of the development, including the following for each stage: operational areas and areas still under construction?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Refer to Staging section of Report and Appendix A - MPHS – Stage 2 Construction Site Plan
student/staff numbers?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
operational and construction access and parking arrangements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Refer to Site Fencing, Public and Property Protection and Staging sections of this Report
open space provision?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Refer to Staging section of Report
measures to ensure acceptable amenity for students and staff in areas adjacent to ongoing construction?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Refer to Staging, Noise and Vibration Management and Hours of Construction sections in this Report
measures to ensure the safety and security of students and staff?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Refer to Staging section of Report
Has each relevant technical report (transport and acoustic reports at a minimum) assessed the proposed staging and concluded that it would not be likely to result in significant environmental affects, including cumulative affects?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Refer to Staging section of Report
Does the REF list any mitigation measures identified as a result of the proposed staging?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Refer to Mitigation Measures section of Report

Table 1: REF Reporting Requirements

Site Operations

Following appointment, the Principal Main Works Contractor for **Stage 1 and Stage 2** will be obliged to develop and provide for use a detailed Construction Environmental Management Plan/s that will incorporate WHS, Environmental and Quality management as well as all relevant sub-plans including (but not limited to):

- A site-specific WH&S Management Plan
- Environmental Management Plan
- Biodiversity Management Plan
- Soil and Water Management plan
- Construction Waste Management Plan
- Traffic Control Plan
- Traffic and Pedestrian Management Plan
- Construction Noise and Vibration Management plan (CNVMP)
- Dust/ Air Quality Management Plan
- Access and Movement Plan (for construction staff).

Preliminary sub-plans and assessments to inform some of the above have been provided to support the REF and are referred to in this PCMP. This plan will be developed specifically for the subject site and contract works. The plans will take into consideration site specific risks that have been identified and document the implementation of control measures to effectively mitigate those risks.

All statements and proposals documented in this PCMP will be further detailed at the time of contract award for the Activity to ensure alignment with the proposed methodologies and construction staging of the Contractor.

Key Milestones – Stage 1

The Master Programme has been developed to achieve the Milestones shown in Table 2. The Master Programme will be monitored closely, and any changes to milestones will be approved via the Project Control Group (PCG). The assumptions embedded in the Master Programme include the project works packages, town planning strategy and procurement strategy in the following sections as well as time allowances for delay contingencies (float).

Milestone Name	Indicative Completion Date
Early Access to School Administration Buildings	14 October 2026
Construction Completion	9 December 2026
Green Star Certification	28 February 2027

Table 2: Key Milestones

The key milestones for Stage 2 construction are not yet determined and will be established at a later date.

Legislative and Regulatory Requirements

The Activity will be undertaken in accordance with the following legislative requirements and any others that must be complied with, as required:

- National Construction Code 2019 Amdt 1 comprising the Building Code of Australia;
- Applicable Australian Standards;
- Protection of the Environment Operations Act and Regulations;
- Approved Methods for the Modelling and Assessment of Air Pollutants in NSW (EPA);
- Environmentally Hazardous Chemicals Materials Act 1985;
- Protection of the Environment Administration Act and Regulations;
- Work, Health and Safety Act 2011 and relevant codes of practice and Standards;
- Work Health and Safety Regulation 2017;
- Code of Practice for the Safe Removal of Asbestos (NOHSC:2002(1998));
- Resource and Recovery Act 2001;
- Environmental Planning and Assessment Act 1987;
- Heritage Act 1997;
- Local Government Act 1993;
- Soil Conservation Act 1938;
- Threatened Species Conservation Act 1995 and Regulation;
- Biodiversity Conservation Act 2016;
- Native Vegetation Conservation Act 1997; and
- Australian Standard 4970-2009: Protection of Trees on Development Sites

Hours of Construction

The hours of demolition or construction including delivery of materials for Stage 1 to and from the site shall be restricted to between:

- Monday to Friday inclusive 7.00am to 6.00pm.
- Saturday 8:00am – 1:00pm
- No work permitted on Sundays and Public Holidays

The hours of construction for Stage 2 will be similar to the above, however will need to consider school operations and limited construction during certain times of the year (eg HSC exams and NAPLAN exams). The contractor should also aim to utilise school holidays for any major disruptive works.

Safety

The Contractor is responsible for the construction work at all times until the work is completed under the Contract and is engaged as principal contractor and manager and controller of the premises for the construction work under Clauses 293 and 298 of the Work Health and Safety Regulations (NSW) 2017 (WHS Regulations). The Contractor is authorised to exercise such authority of the person conducting a business or undertaking that is commissioning the construction project as is necessary to enable it to discharge the responsibilities of principal contractor and manager and controller of premises imposed by the Work Health and Safety Act (NSW) (WHS Act) and Chapter 6 of the WHS Regulations.

A site-specific WH&S management plan will be developed by the Contractor to demonstrate the commitment of the Project to Workplace Health & Safety (WH&S). The plan will identify the scope of work to be undertaken, the hazards associated with the work and the risk assessment processes and risk control measures to be used in the execution of the plan. The Contractor must include procedures for identifying

and managing risk and how this will be monitored and managed to ensure employer and employee compliance with these systems.

The Contractor for both Stage 1 and Stage 2 will maintain accreditation under the Australian Government Building and Construction WHS Accreditation Scheme (the Scheme) established by the Building and Construction Industry Improvement Act 2005 (BCII Act) while building work (as defined in section 5 of the BCII Act) is carried out. The Contractor must comply with all conditions of Scheme accreditation.

The objectives of the WH&S Management Plan include the following:

- Maintain lost time injury reporting and review positive performance indicators;
- Report all incidents and near misses and develop corrective action plans;
- Conduct Senior Management and WH&S Group reviews;
- Develop required WH&S resources;
- Formalise regular senior management reviews of WH&S systems and implement relevant improvements;
- Continually develop WH&S systems, policies, procedures and WH&S Plans to comply with statutory requirements and industry best practice;
- Maintain an Audit Program to comply with system's requirements;
- Ensure all corrective actions and non-conformances are closed out;
- Meet or exceed the requirements of AS4801 certification and Federal Safety commission accreditation;
- Adopt a zero-tolerance safety philosophy;
- Provide Safety Awareness and other appropriate WH&S training;
- Continue to implement ongoing induction procedures on all Projects;
- Hold regular Consultative Committee meetings, maintain minutes and record actions;
- Issue Safety Alerts to all staff and other stakeholders according to requirements;
- Conduct weekly toolbox talks on site and maintain a register of attendees;
- Maintain a data base of all toolbox talks.

The WH&S Management Plan will also address the following:

- WH&S training – identification of WH&S training needs of all personnel, induction training, refresher training, attendance of WH&S committee personnel at consultation training etc.;
- Incident management – identifies who will be available during and outside normal working hours to prevent, prepare for, respond to and recover from illness/ injury and incidents;
- Site safety rules – As a minimum will include induction and safety training, PPE, Site access and security, procedures for emergency situations, illness and injury, protection of personnel and the public, work at elevated areas, safe working, hazardous materials and dangerous goods etc.;
- Safe Work Method Statements – All activities assessed as having WH&S risks require a SWMS to be prepared and implemented.

Site Fencing, Public and Property Protection

The general principle is to separate construction areas of work from the public, school staff and visitors. Where there is a cross-over, this will be managed to ensure safety of all persons and equipment.

Appropriate hoarding/fencing (as specified in Australian Standards and SafeWork NSW requirements) will be installed to prevent public and staff access and to maintain security for the various areas of the works.

Site Notices will be erected at the boundary of the site. The site notices will include details of; Principal Contractor details, name of Site Manager and 24-hour contact number, approved hours of work, and details

of the Principal and other appropriate stakeholders. Safety related statutory signage will also be erected on the boundary of the site in accordance with WorkCover requirements.

Site, precinct information and pedestrian signage and any temporary pedestrian measures required will be installed and maintained for the duration of the Activity.

These public and property protection measures will be reviewed at the time of contract award and during regular PCG meetings, to ensure alignment with proposed preferred methodologies and construction stage and to ensure that the safety of the public and staff is maintained at all times during the works.

Potential nuisance will be minimised to the occupiers of adjacent areas wider site. Typically, works will be hoarded off and completely segregated from public interaction. When interacting with adjacent spaces, the Contractor will ensure strict compliance with pre agreed operational methodologies.

During the construction of Stage 2, the site fencing, hoarding and boundaries will need to be coordinated with the operational school, with the above measures adhered to.

Security

Security measures must be provided to prevent unauthorised access to adjoining land and the construction work site including the safeguarding of site materials, plant and equipment. Security measures will be in place at all times when the site is not in operation and during Stage 2 school hours This may include perimeter barriers, locks, surveillance systems, security lighting and motion detectors. In the event where a construction site cannot be fully secured, consideration will be given to the use of a security service to prevent unauthorised access.

Complaints and Neighbour Management

From the commencement of construction until completion, the Principal Contractor will be required to maintain a community liaison officer on the project. This officer will be contactable by both a mobile phone and email and the contact details will be clearly advertised on site hoardings, community updates and the like. The Principal Contractor will be required to maintain a register of complaints and to report to the Project Manager and SINSW the status of complaints on a monthly basis. Complaints that cannot be addressed by the Principal Contractor will be presented to the relevant representative for resolution of the issue.

Construction Methodology

Remediation / Validation

The Contractor will be provided with a Site Audit Statement and accompanying Site Audit Reports prepared by the developer, Sekisui House, as part of the site transfer to the Department of Education (DoE) under a Voluntary Planning Agreement (VPA). These documents confirm that the site is suitable for high school use. Additionally, the project team has conducted supplementary testing to validate the findings of these reports. Together, these documents will provide the Contractor with comprehensive background information on the site's ground conditions and prior preliminary works, ensuring that no further remediation or validation will be required.

Soil Erosion & Sediment Control

The soil erosion and sediment control will be implemented in accordance with the Civil Engineering Report, provided with this REF Application.

Environment & Amenity

The contractor undertaking the Activity will be required to submit for approval a comprehensive Environmental Management Plan (EMP) to ensure that all elements of the plan meet all statutory requirements, Conditions of Approval as well as the DoE's requirements. The EMP will describe the environmental strategy, methods, controls, and requirements for the execution of the Activity. It will stand alone as the master document for site environmental activities.

The primary aim and objective of the EMP will be to provide a framework of procedures to minimise the impacts of the construction of the project on the environment. The environmental performance of the contractor will be monitored throughout the Activity.

As a minimum, any further erosion and sediment controls required for the Main Works shall be designed, installed and maintained in accordance with the requirements of Managing Urban Stormwater: Soils and Construction 'The Blue Book' 2004 (4th edition) and/or details provided by project engineering consultants.

Construction worker and vehicle numbers

The numbers of construction personnel onsite will fluctuate dependant on the stage of the works. It is expected approximately 120 additional jobs will be created during the construction phase. At present the peak personnel per day is unknown. The Contractor will be required to undertake an analysis of the required workforce in accordance with the noise, traffic and physical distancing requirements at all stages of construction, this will be incorporated within the Construction Management Plan (CMP).

The estimated generation of heavy vehicle traffic during the construction of the Main Works will be confirmed by the Main Contractor and detailed within their finalised CMP, however there are estimated to be approximately 175 vehicles per day. These movements would likely be spread across the day and would include vehicles such as a concrete, articulated haul or delivery trucks.

Traffic Management

The Melrose Park High School Traffic consultant, TTW, have developed a Construction Traffic Management Plan (CTMP) in line with the project REF requirements. This is included in the Traffic Impact Assessment (TIA) report included in this REF Application and should be read in conjunction to this PCMP.

Traffic and Pedestrian Management Plan

Prior to construction works commencing, the Principal Contractor will develop a Construction Pedestrian and Traffic Management Plan which will detail how traffic, pedestrian and cyclist access will be managed during the construction works.

Traffic flows and vehicle/pedestrian separation are a major consideration and pedestrian routes are to be maintained throughout construction. Traffic control personnel will be provided by the Principal Contractor during operating hours, or as advised by the Principal Contractor within their Construction Pedestrian and Traffic Management Plan.

Key issues for traffic, pedestrian and cyclist management during construction to be considered in the Construction Pedestrian and Traffic and Management Plan include, but is not limited to:

- Provide safe and uninterrupted access for pedestrians and vehicles accessing the construction site school site;
- Ensure maximum safety of site personnel, pedestrians, cyclists, commuters, and drivers;
- Minimise environmental nuisance and impact as a result of construction traffic;
- Ensure construction traffic does not unduly interrupt existing traffic flows on the local road network;
- Safe operation of buses and other transport services during construction in adjacent roads;
- Have no vehicles arrive at the site, without prior arrangement, outside the approved working hours;
- Encourage site workers to utilise local public transport system and car sharing wherever possible;
- Timely and effective implementation of traffic management measures;
- Maintain access at all times for school and stakeholder's deliveries

Pedestrian and vehicular movements into and around the site will be maintained, or alternate routes determined where necessary, and be defined by clear signage. Where necessary, physical traffic management personnel will be used to guide pedestrians and vehicles safely.

Temporary hoarding appropriate to the interaction between pedestrians and construction works (as per relevant codes and standards) will be constructed to prevent unauthorised access to the construction site. These hoardings and fences may be staged to allow for appropriate construction methodologies to be planned.

Deliveries to within the site will be managed through the existing roads around the site as agreed with the Project Manager, Sekisui House and DoE. Relevant management controls to be implemented as required.

Materials will be staged and stored in such a way to promote a clear and safe work site. At all times, materials are to be stored safely within the work area or site compound. While loading and unloading vehicles, it will be clearly stated that vehicles must not obstruct roads, driveways and paths of egress from surrounding buildings or fire protection equipment.

Construction Entry / Exit

The following should be read in conjunction with the Overview CTMP, included in the TIA developed by The MPHS Traffic consultant, TTW. A detailed Traffic and Pedestrian Management Plan will be prepared by the Contractor for the Project.

It is therefore anticipated; construction vehicles will access the site via the proposed vehicle access on North-South Road 4 (NSR-4), that will be delivered as part of the site transfer to the Department of Education (DoE) under a Voluntary Planning Agreement (VPA).

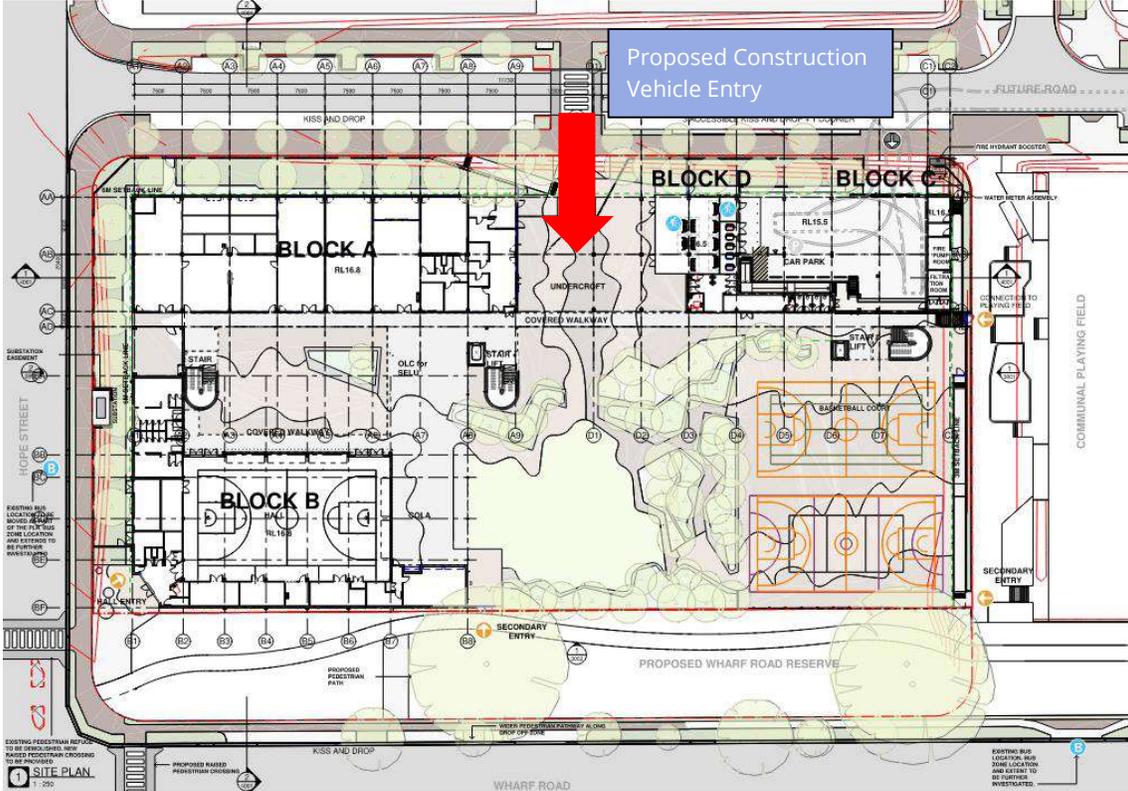


Figure 1: Stage 1 Proposed Site Plan and Construction Vehicle Entry

Heavy Vehicle Access and Parking

The TTW CTMP outlines the anticipated construction vehicle routes to/ from the site, with the aim of minimising the impact of construction traffic on roads near the site. All loading is expected to take place within the bounds of the site. Traffic controllers will be employed to manage construction vehicle movements in and out of the site. The contractor will be responsible for coordinating heavy vehicle site access in and out of the site.

Construction Worker Parking Strategy

The TTW CTMP outlines the anticipated construction staff parking and traffic strategy. The contractor will be responsible for providing an off-site parking solution. The site is highlight constrained with limited space to provide on-site parking for construction workers and construction worker vehicles will not be permitted to park within 100 metres of the school boundary . However, given the site's proximity to public transport services, workers will be encouraged to use public transport to and from the site.

Noise and Vibration Management

This section is to be read in conjunction with the Noise and Vibration Impact Assessment prepared by Arup and submitted as part of this REF lodgement.

Noise from the construction site shall not exceed the limits set out in the Interim Construction Noise Guidelines, EPA and Australian Standards. No machine work will occur outside the approved working hours set unless approval has been given through an agreed approval process with DoE.

The noise and vibration from the use of any plant equipment and/or building services associated with the premises shall not give rise to an offensive noise as defined under the provisions of the Interim Construction Noise Guidelines, EPA and Australian Standards.

As part of noise mitigation for the project, the contractor will be responsible for the management, checking of compliant maintenance regimes and statutory supervision of all equipment.

Guidelines for operational limits, identification of at-risk receivers and implementation of mitigation measures will be provided in a project Construction Noise and Vibration Management Plan. The objectives of the Construction Noise and Vibration Management Plan will be to:

- Ensure that construction works do not significantly impact background noise levels around the school site
- precinct, and that applicable guidelines and regulations are met;
- Ensure all equipment operates within the applicable noise levels;
- Ensure that construction works do not cause sufficient vibration to damage surrounding buildings, and
- comply with the applicable guidelines and regulations;
- Vibration does not affect occupiers of the adjoining buildings; and
- Ensure construction methodologies adopted minimise the impact of noise, dust and vibration.
- Reasonable methods (having regard to the use and operation of existing residential buildings in close proximity to the Site) of noise suppression on all compressors, jack-hammers and other machinery of whatsoever will be implemented to ensure that the noise levels emanating from the Site during the Activity are minimised.

Odour/ Fumes Control

Any potential odours, fumes/smoke associated with demolition and construction for the site will be assessed and minimised.

Dust

Management of dust prevention strategy is to be developed by the Head Contractor, detailed in the Contractor's Construction Management Plan, liaise with the project stakeholders and acceptable to the Project Manager and DoE.

Examples of dust management practices that will be implemented during the Activity include;

- Shade cloth installed on the perimeter fence
- Haulage trucks entering and leaving site will have their loads covered appropriately
- Monitoring of weather conditions (including wind)
- Wherever practical implement a wet process for concrete sawing, coring and grinding
- Where not practical to use a wet process for concrete sawing or grinding direct dust extraction to a vacuum is to be used
- Materials on site are to be stockpiled and stored appropriately
- Limit the use of soil stockpiles, when stockpiles are required, they are to be watered down

Protection of Trees

The retention and protection of vegetation on the site will be met as per the conditions of approval and in line with the Arboricultural Impact Statement submitted along with this REF.

The Contractor will be required to prepare a detailed site-specific Construction Management Plan. This Plan will need to demonstrate the measures that will protect trees and vegetation being retained under the development works.

Waste Management and Recycling Principles

This section is to be read in conjunction with the Construction Waste Management Plan (CWMP) prepared by Elephant's Foot and submitted as part of this REF lodgement

The Contractor will be required to recycle and reuse materials where possible. The contractor will be required to arrange for the sorting and recycling of waste materials and packaging to ensure maximum recycling is achieved. The contractor will be committed to achieving compliance with the EPA guidelines

Storage of Dangerous Goods

Dangerous goods (such as petrol, diesel, oxy-acetylene, oils etc.) will be stored in a lockable compound with sufficient ventilation, bunding, hard surface and located away from waterways and drains in accordance with relevant codes of practice and standards. Material safety data sheets on all of these flammable and potentially harmful liquids will be provided by the contractor undertaking the Activity.

Services Diversions

During the Activity, should any services diversions require to be undertaken, the following principles are to be followed:

- Any required services diversions/disruptions will be undertaken with full coordination, development and input with relevant SINSW, DoE and authority stakeholders and will only proceed via an approval process and appropriate consultation with the relevant service providers.
- Impacts on the surrounding residential housing will be kept to the absolute minimum, which may result in 'Out of Hours' work.
- At all-times public safety will be paramount and visitor safety, access and security maintained.

Dilapidation Report

Prior to commencing the Activity onsite and at completion, the appointed Principal Contractor will generate a Pre and Post Dilapidation Report. It is the Contractors responsibility to ensure the report considers all areas reasonably impacted by the Activity. At a minimum the reports will consider the following areas:

- Infrastructure and services within reasonable proximity to the works; and
- All areas surrounding the site owned by council/Sekisui House including (but not limited to) NSR4, Wharf Rd Gardens, Hope St public domain and EWR2.
- The full extent of the Dilapidation reports will be agreed with the Principal prior to investigations proceeding.

Staging

Stage 2 of Melrose Park High School (MPHS) is planned to be constructed and operational by 2036. This stage will include the construction of Block D, additional open play areas, increased on-site bicycle spaces, and expanded staff parking. Stage 1 of MPHS is expected to remain operational during the construction of Stage 2. A comprehensive Construction Management Plan (CMP) will be developed to outline measures for safely separating construction activities from school operations. It is estimated the construction of Stage 2 will roughly take 8-12 months to complete.

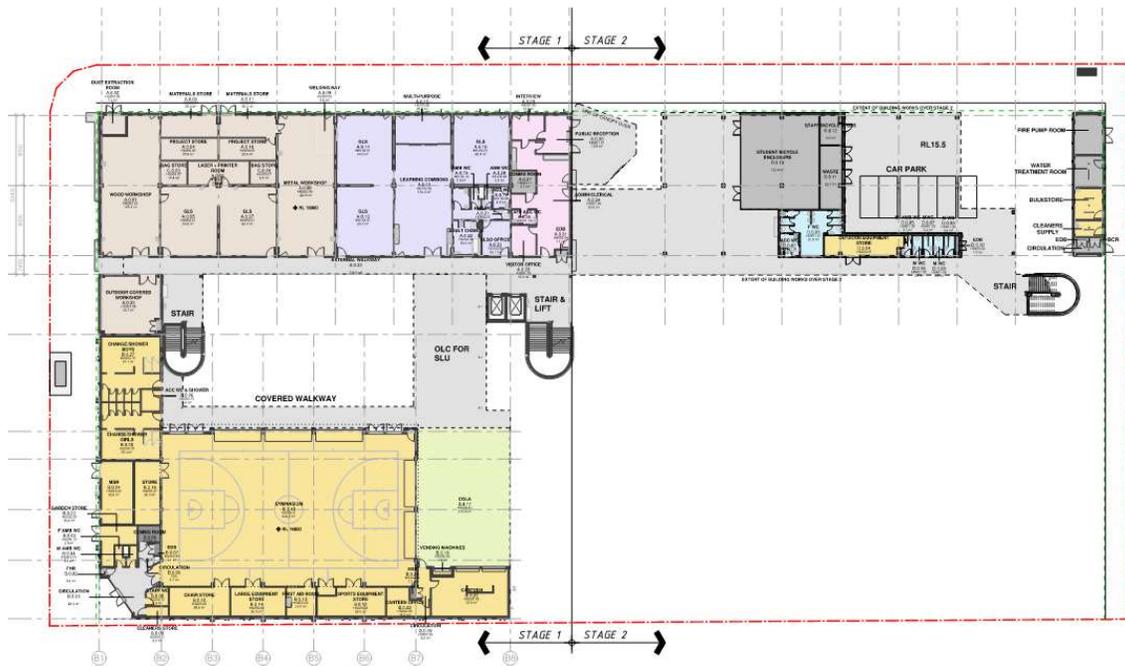


Figure 2: Stage 2 Proposed Site Plan at Completion

As the school will be in operation during Stage 2, it is expected that the pedestrian, worker and vehicle access will be redirected temporarily, and additional hoarding and protection will be installed to protect students, staff and pedestrians. School operations will also be unaffected, with secure access provided to waste services via a hoarding, and only authorised school and operations personnel are to access.

Construction access to the Stage 2 site will be managed by authorised traffic controllers and a management plan in place prior to construction. This will be further detailed in a CMP provided by the contractor at the time of construction. Parking for the workforce during this time will be provided via on-street carparking, with heavy vehicles and school waste vehicles only able to enter the site and use the allocated site area (as shown in Figure 3 below and **Appendix A – Stage 2 Construction Site Plan**) to turn and exit the site. Construction worker vehicles will be restricted during key pick up and drop off times to ensure the Kiss and Ride stays operational and unaffected. Worker vehicles are not permitted to park within 100 metres of the school boundary. A Construction Traffic Management Plan (CTMP) has been prepared by traffic consultant TTW in conjunction with this report that details further measures to be implemented by the contractor.

The open play space provision for the school will be affected as a result of the works to MPHS Stage 2, however, as the open play space calculations for Stage 2 include the provision of the Melrose Park northern playing fields in their calculation at the time of completion, the school is to have this joint use agreement operational prior to the construction of Stage 2 as a mitigation measure.



Figure 3: Stage 2 - Example of Construction Site Plan

The contractor will need to evaluate cumulative noise impacts as part of the Construction Noise and Vibration Management Plan (CNVMP) for Stage 2. Coordination with the operational school is a priority, with key considerations for examinations and school events to be considered. As a mitigations measure, the contractor should utilise weekends and school holiday periods to undertake noisy and disruptive works and soundproofing is to be utilised where possible on hoardings. A Noise and Vibration Assessment Report (NVAR) has been prepared by acoustic consultant Arup in conjunction with this report that details further measures to be considered by the contractor.

Conclusion

Subject to implementing the recommendations/mitigation measures set out in Mitigation Measures section of this report, the conclusion of this assessment is that the proposed Activity is not likely to significantly affect the environment in relation to Construction Management matters.

Mitigation Measures

Project Stage <i>Design (D)</i> <i>Construction (C)</i> <i>Operation (O)</i>	Mitigation Measures	Relevant Section of Report
C (S1 & S2)	<p>The Principal Main Works Contractor will develop and provide for use a separate detailed overarching Construction Management Plan for Stage1 and Stage 2 that will incorporate WHS, Environmental and Quality management as well as all relevant sub-plans including (but not limited to):</p> <ul style="list-style-type: none"> • A site-specific WH&S Management Plan • Environmental Management Plan • Biodiversity Management Plan • Soil and Water Management plan • Construction Waste Management Plan • Traffic Control Plan • Traffic and Pedestrian Management Plan • Construction Noise and Vibration Management plan (CNVMP) • Dust/ Air Quality Management Plan • Access and Movement Plan (for construction staff). 	<ul style="list-style-type: none"> • Site Operations (Page 6) • Safety (Page 7) • Environment & Amenity (Page 10) • Traffic Management (Page 10) • Traffic and Pedestrian Management Plan (Page 11) • Noise and Vibration Management (Page 12)
O (S2)	<p>The MPHS and DoE will ensure that a Joint Use Agreement for the Northern Playing fields is to be agreed and in place prior to the construction of Stage 2 beginning to ensure the play space provision is unaffected.</p>	<ul style="list-style-type: none"> • Staging (Page 16)
C (S2)	<p>The contractor is to implement a Construction Noise and Vibration Management Plan (CNVMP) for Stage 2 in consultation with the operational school. The contractor should utilise weekends and school holiday periods to undertake noisy and disruptive works.</p>	<ul style="list-style-type: none"> • Staging (Page 17)



Appendices

- **Appendix A – MPHS – Stage 2 Construction Site Plan**



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GENERAL

- BOUNDARY LINE
- SETBACK LINE
- KISS AND DROP
- KISS AND DROP ACCESSIBLE
- COVERED WALKWAY
- PROPOSED TREES
- EXISTING TREES

- Scaffolding
- Class A Hoarding
- Worker Access
- Waste Access
- Construction Ramp
- ← Heavy Vehicle Path of Travel

REF PACKAGE

Issue No.	Date	Description	Chkd
1	29/11/2024	REF PACK ISSUE	NBR
2	17/01/2025	REF PACK ISSUE	NBR

Changes to this Revision

+61 2 9922 2344
Nominated Architects:
Andrew Duffin NSW 5602
Jonathan West NSW 9899
NBR & Partners Pty Ltd VIC 51197

nbrs.com.au
ABN 16 002 247 565

Project
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at
84 Wharf Road, Melrose Park, NSW 2114

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Revision
2

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HOPE STREET

WHARF ROAD

