

Kent Road Public School Preliminary Environment, Construction and Site Management Plan



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Table of Contents

1. Introduction.....	3
1.1. Overview.....	3
2. Works description	4
2.1. The Site and surrounding	4
2.2. Project Scope	4
3. Consultation	5
4. Physical Constraints of the Site.....	5
4.1. Transport and Accessibility	5
4.2. Adjoining and Neighbouring Properties	6
4.3. Dilapidation Survey	6
4.4. Adjoining and Adjacent Neighbours.....	6
4.5. Complaints Response	6
4.6. Emergency Contact.....	6
5. Public Amenity, Safety and Pedestrian Management	7
5.1. Working Hours.....	7
5.2. Noise & Vibration Management.....	7
5.3. Vibration Monitoring	8
5.4. Public and Property Protection.....	8
5.5. Parking.....	8
5.6. Pedestrian Protection	8
6. Environmental Management.....	9
6.1. Work Health & Safety (WHS)	9
6.2. Hazardous Materials	9
6.3. Dust Control.....	9
6.4. Storm water Runoff.....	9
6.5. Water Quality Monitoring.....	10
6.6. Waste Management and Recycling	10
7. Traffic Management.....	10
7.1. Construction Site Access	11
8. APPENICIES	12
8.1. APPENDIX 1: Draft Site Establishment Plan	12

1. Introduction

This preliminary Environmental, Construction and Site Management Plan (ECSMP) has been prepared on behalf of the Department of Education SINSW(SINSW) to accompany the Environmental Impact Statement (EIS), for the expansion of Kent Road Public School (KRPS), to fulfil the Secretary Environmental Assessment Requirements (SEAR's) for the State significant development.

This preliminary ECSMP is to address the works mentioned above. This document is to communicate that this development has been well considered and will be undertaken in a manner that seeks to minimise disturbance and impact on the surrounding environment. The Contractor once engaged will be responsible for developing and finalising the ECSMP before commencing works on site. Items contained in this preliminary ECSMP include:

- Outline of major works;
- Heritage consideration;
- Public amenity, safety, and pedestrian management;
- Materials handling;
- Traffic management plans;
- Impact on adjoining and surrounding properties;
- Community consultation, notification and complaints handling;
- Hours of construction works;
- Mitigation of environmental impacts;
 - Noise and vibration management;
 - Dust management;
 - Hazardous materials;
 - Stormwater runoff; and
- Waste Management and Recycling

While the construction scope is occurring within the school boundary; the potential remains for possible temporary disruption to surrounding areas during the construction phase. The DoE and the Contractor will work closely with Council, neighbours, school Principal, occupants, stakeholders and transport authorities to create plans that will ensure minimal impact and disruption to the surrounding area.

Consultation will continue to be a key priority throughout the construction process to ensure the community and stakeholders receive regular updates giving them the opportunity to provide feedback which will be occurring frequently during construction.

The final version of this Plan will ensure all construction is properly facilitated, integrated and coordinated guaranteeing the Project's objectives are met.

1.1. Overview

This ECSMP has been prepared to respond to the Secretary's Environmental Assessment Requirement (SEAR's) for the Kent Road Public School upgrade.

This preliminary plan has been formulated from the detailed design documentation provided by the Head Design Consultants (HDC) Butler & Co Architects Pty Ltd.

The scope of this report provides a holistic approach that:

- Advises how the project management team will comply with the requirements of the contract relating to construction;
- Defines the project objectives and targets of particular relevance to the construction phase;
- Describes constraints specific to the construction phase and the project in general;
- Describes the process for the identification and control of risks particular to the construction phase; and
- Details the proposed strategy for the construction phase, with specific regard to establishment resourcing, site organisation and construction controls.

2. Works description

2.1. The Site and surrounding

The School is situated in Marsfield and is situated on Crown Land. The site currently contains the existing, operating school which comprises 16 permanent teaching spaces, 15 demountable teaching spaces, administration, library and hall and admin block, Out-of-school-hours (OOSH) care facility. The site is bounded by Kent Road and Herring Street, as seen in Figure 1 below.

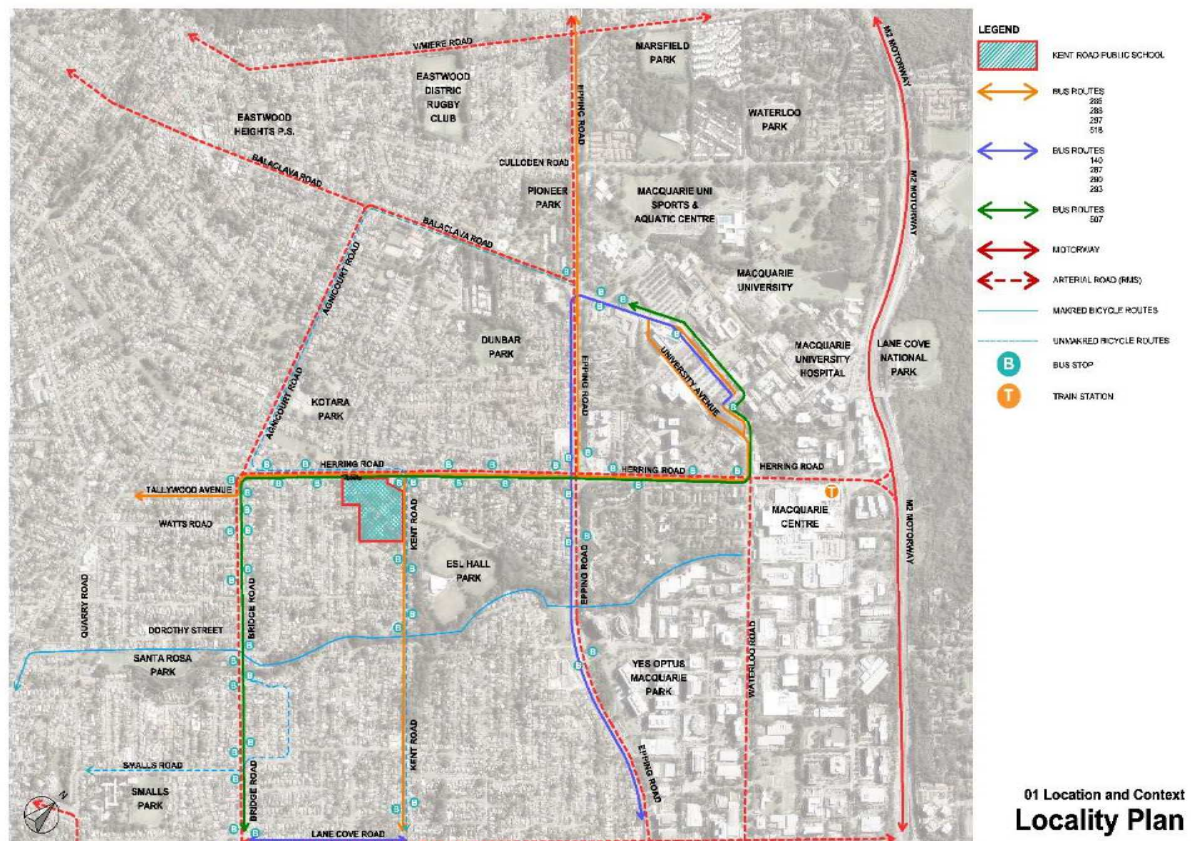


Figure 1: location of the site

2.2. Project Scope

The Project scope covered under the State Significant Development is the:

- Site preparation;

- Construction of three (3) new two (2) to three (3) storey buildings to allow for increased student population from 750 to 1,000, containing;
 - o 34 Home base spaces;
 - o Canteen;
 - o Administration facilities;
 - o Staff facilities;
 - o Special program/counselling rooms
- Construction of a new entry canopy;
- Reconfiguration of the car drop off / pick up arrangements on Kent Road;
- Landscaping and fencing; and
- Tree removal.

3. Consultation

Monthly meetings will be undertaken by the contractor with the Principal, Deputies and Project Manager at Kent Road Public School. These meetings will inform all parties of upcoming events that week and the detailed coordination of logistics. Informing all parties will mitigate any risks posed to the operations of the school site. Other information sessions will be held periodically as agreed with the school management, and aslo as required at key times to inform the community of what is going on with the project.

Careful site management, which will minimise disruption and inconvenience to neighbouring buildings and their occupants, is of the highest importance. The Contractor will communicate with the Community Liaison Officer to work with neighbours, understand their needs and requirements, and, where possible, adjust construction works methodologies accordingly.

As construction progresses, communication with neighbours on an “as-needed” basis may be required. Key personnel from the Contractor’s project team will be available to attend stakeholder briefings if necessary to communicate details of the proposed works to their respective team members.

4. Physical Constraints of the Site

An understanding has been developed of the physical constraints that impact the Kent Road Public School site. A summary of these physical constraints follows.

4.1. Transport and Accessibility

Kent Road Public School is in an R2 residential area. Kent Road experiences heavy traffic during the drop-off and pick-up times of the school but at other times has minimal traffic volumes. Herring Road usually experiences heavy traffic most of the day.

Delivery of construction materials and plant will be made along Kent Road and will be the contractor’s access point into the school. The Contractor’s compound will be located within the school grounds for the main works. The impact on traffic will be minimised by utilising non-peak periods for truck movements.

4.2. Adjoining and Neighbouring Properties

Kent Road Public School is bounded by Herring Road (North West) and Kent Road (North East). The southwestern and southeastern boundaries of the school are adjacent to residential properties. The Contractor will be responsible for minimising impact to surrounding properties through the application of correct privacy and noise screening, enforcement of site work hours, the undertaking of dilapidation reports and continued consultation.

4.3. Dilapidation Survey

Before commencing work on site, a full Pre-Construction Dilapidation Report will be completed by the contractor for the site and neighbouring buildings. This detailed survey will encompass current structural, architectural, services and heritage conditions of the existing footpaths near the school premises, construction zones, infrastructure and roads. The dilapidation report will cover all areas where construction works are occurring and to which the construction certificate applies.

4.4. Adjoining and Adjacent Neighbours

Careful site management, which will minimise disruption and inconvenience to neighbouring buildings and their occupants, is of the highest importance. The Contractor will liaise with the SINSW Community Engagement Consultation assigned to the project to work with neighbours, understand their needs and requirements, and, where possible, adjust construction works methodologies accordingly.

Points of contact between the Contractor's project team and stakeholders will be agreed for various scenarios and providing stakeholders with 24-hour contact numbers.

Key personnel from the Contractor's project team will be available to attend internal stakeholder briefings if required to communicate details of the proposed works to their respective team members.

4.5. Complaints Response

Complaints may include any interaction with a community member or stakeholder who expresses dissatisfaction with the project, services or staff member's actions during the project.

To ensure that complaints are managed the following information is required to help resolve the complaint quickly and effectively.

- Complainant contact details;
- Description of complaint;
- The requested remedy/action;
- The due date for response; and
- Immediate action (if any).

All complaints are to be directed to the Contractor's representative at the first instance. If the complaint escalates, the complaint shall be directed to the Contractor's senior management and entered into a complaint's register with a resolution time-frame specified upon entry.

4.6. Emergency Contact

The initial point of contact for the Project for complaints will be the Contractors Project Manager and the Site Manager.

Site Manager: TBC

As essential personnel commence onsite, further names and contact numbers will be issued and displayed prominently on signboards.

5. Public Amenity, Safety and Pedestrian Management

5.1. Working Hours

Construction works will be undertaken within the hours permitted under the development approval.

5.2. Noise & Vibration Management

Particular care will need to be taken during the construction of each phase of the project to control noise and vibration. Work methodologies and plant selection for construction will be reviewed to determine the most practical and programme-effective solutions for these works. The Main Contractor will be responsible for producing a detailed Dilapidation report of the adjoining buildings and surrounding infrastructure before works commence.

Before the commencement of any works, onsite a noise and vibration management plan will be developed by the Contractor for the mitigation of noise and vibration generated by the works. The noise and vibration from the use of any plant equipment and/or building services associated with the works must not give rise to an offensive noise as defined under the provisions of the Interim Construction Noise Guideline, EPA and Australian Standards.

Management of noise emissions from the site will be compliant with the requirements of the Interim Construction Noise Guideline, and relevant Australian Standards. A Construction Noise Management Plan will be prepared which will specify performance requirements for the contractor. No machine work will be permitted outside the normal working hours set unless appropriate written approval has been obtained.

Vibration and noise generating activities will be coordinated and undertaken in consultation with the appropriate parties and carried out during the subsequent agreed periods.

Work practices that minimise noise and vibration will be used wherever possible. These include but are not limited to the following:

- Flexible working hours avoiding noisy work during school operation times;
- Plant and equipment selection to reduce noise where possible;
- Erection of temporary screens to encapsulate dust and noise;
- Methodology development aimed at finding alternatives capable of reducing noise and vibration where possible; and
- Location of major plant such as cranes away from noise and vibration sensitive areas where possible.

The following items outline some of the Contractors key control measures which will be applied during the construction phase to assist with noise reduction:

- Plant known to emit noise strongly in one direction would, where possible, be orientated so that noise is directed away from noise sensitive areas;
- Stationary and mobile equipment including offsite vehicles to be maintained regularly;
- Continuous training through inductions and ongoing meetings to be provided for operators, labourers, subcontractors and supervisors, to keep minimal noise impacts on residents and businesses top of mind;
- Notifications of particularly noisy works to be undertaken before any planned works commencing. This will include either personal or community meetings with adjoining properties owners and/or tenants;
- All complaints about noise will be monitored and recorded; and
- An onsite person is to be identified as the contact point in the event of noise complaints with contact details provided within the final ECSMP.

5.3. Vibration Monitoring

Vibration monitoring during the construction will be undertaken if deemed appropriate and/or necessary by the Acoustic Consultant to monitor potential human discomfort and potential structural damage in and around the existing buildings.

5.4. Public and Property Protection

Appropriate hoarding/fencing (as specified in Australian Standards NSW SafeWork requirements) and safety barriers will be installed to the entire work areas before the commencement of the works. Site Hoardings will be erected around the perimeter of the site and maintained to prevent public access. Site signage will provide 24-hour emergency contact details including contact name and telephone number. Construction vehicle access/egress gates / Signage will be installed.

These public and property protection measures will be reviewed at the time of contract award for the works to ensure alignment with proposed preferred methodologies and sequencing developments and to ensure that the safety of the general public is maintained at all times during the works.

5.5. Parking

On-site parking will be limited for construction personnel.

5.6. Pedestrian Protection

Pedestrian and vehicle passage to and around the site will be maintained, or alternate routes determined where necessary, and will be defined by clear signage.

Temporary hoarding appropriate to the interaction between pedestrians and construction works (as per Work Cover requirements and Australian Standards) will be constructed to prevent unauthorised access to the site. These hoardings and fences will be staged to allow access to in-use areas during the works.

6. Environmental Management

6.1. Work Health & Safety (WHS)

The Contractor will be the nominated “Principal Contractor” as required under the NSW WH&S Act. This role will require the careful and controlled management of worker and public safety. Detailed methodologies are yet to be developed; however typical approaches include job training, toolbox talks, and implementation of emergency management plans, safe work method statements, weekly WHS meetings and audits to confirm compliance. The Contractor will be required to report on WHS on a regular basis.

6.2. Hazardous Materials

A hazardous materials register will be maintained on site by the Principal Contractor. This register will include all chemical type materials and other materials that require specific handling and disposal procedures accompanied by a current Material Safety Data Sheet (MSDS). All hazardous substances will be registered, correctly stored, decanted, used and disposed of in accordance with the MSDS and regulatory requirements. Employees will be trained in the Safe Work Method Statement (SWMS) based on the MSDS and provided with the appropriate Personal Protective Equipment.

Consultant survey works are required to establish existing site conditions and identify any hazardous materials that may be present. This investigation would include:

- Hazardous material (Hazmat) survey of the existing structures;
- Any additional requirements for soil classification, sampling and analysis works for the piling spoil; and
- Community liaison plan to be established and contact made with relevant authorities.

In the event of finding an unexpected find of contamination, the following will be implemented;

- Notification to the Principal’s Authorised Person who will notify the school, SINSW and project stakeholders;
- Isolate and restrict access to the areas as advised by the hygienist;
- The site hygienist will be contacted to provide advice regarding the most appropriate action to be taken; and
- In consultation with the hygienist, the contractor will advise of the most appropriate method of dealing with the particular contaminant.

6.3. Dust Control

Management of dust prevention will be developed by the Principal Contractor and will form part of an Air Quality Management Plan for the works. The need for measures to prevent tracking of soil onto roadways outside of the site will be assessed by the Principal Contractor and provided if deemed necessary. These may include the provision of measures such as a shaker grid, wheel wash facilities, hosing and general manual cleaning. Management and contingency plans will be developed to avoid any likely impacts from dust.

6.4. Stormwater Runoff

Before works commence on site a stormwater and sediment control plan shall be established and implemented. The plan will aim to ensure no stormwater from the construction site entering

adjoining properties and to ensure that water entering the stormwater system is free of silt and contaminants. The existing surface pits and grated drains will be protected from any silt or construction debris entering the system. The protective measures may include filter fabric, hay bales and temporary diversion gutters and drains. The contractor will have within its standard procedures, the requirement of spill kits for hazardous materials also including environmental audits that review the usage and storage of hazardous materials onsite.

6.5. Water Quality Monitoring

Monitoring of water quality measures (primarily turbidity) could be considered to validate the effectiveness of the sediment control measures. Monitoring could include:

- Visual inspection of water turbidity and sediment plumes; and
- Monitoring of metal contaminants that had been recorded in the sediments.

6.6. Waste Management and Recycling

The Contract terms and conditions will require the Contractor to, at all times throughout the construction duration, maintain a tidy and safe site. Rubbish bins/skips will be provided at strategic positions around the site, where all subcontractors will be required to clear their rubbish as it accumulates. All material that cannot be recycled or reused will be disposed to an approved landfill facility. Waste will be minimised and waste that is generated will be separated to maximise recycling.

A formal Construction Waste Management Plan will be developed by the Contractor before works commencing in accordance with the Contractor's Environmental Management System to ensure optimum waste management initiatives are implemented.

All subcontractors are responsible for removing their packaging and other re-usable items such as pallets from the site. Adopting this policy:

- Promotes recycling by subcontractors and suppliers;
- Removes unnecessary packaging at the source rather than at site; and
- Reduces the amount of rubbish being sent to landfill.

7. Traffic Management

As part of the final ECSMP, the Main Contractor will be required to submit a Construction Traffic Management Plan for approval before the commencement of the work.

The Construction Traffic Management Plan shall demonstrate the degree to which construction activity will affect pedestrian traffic around the site and traffic flow on adjoining roads. It shall cover the vehicle, pedestrian, and cyclist access around the site and all other roads that will be impacted by construction works.

The following shall be specified on the Construction Traffic Management Plan:

- Location and extent of works;
- Staging and timing of works including delivery access;
- Site security and Safety Plan requirements; and
- Arrangements for emergency.

7.1. Construction Site Access

During the normal school operating hours, minimal truck movements will be permitted. No truck movements will be allowed during peak student arrival and departure times. Access to the Site will be via vehicular and pedestrian entrances to be created during site establishment.

8. APPENICIES

8.1. APPENDIX 1: Site Establishment Plan

