



Westmead multi-storey car park

Preliminary Construction Management Plan

Prepared by the Westmead Redevelopment Team

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Introduction

This preliminary Construction Management Plan (the Plan) has been prepared for the main construction works for the multi-storey car park project under the broader title of Westmead Redevelopment. Refer to Appendix 1 for the site area. It has been prepared to support the SSD Application with the NSW Department of Planning and Environment.

The Plan will form the guidelines and principles for the final Construction Management Plan that will be produced by the Main Contractor.

Proposed Works

The works associated with the plan relate to the following:

- Site establishment and environmental controls;
- Tree removal;
- Widening of Institute Road;
- Removal of existing paved on-grade car park;
- Construction and commissioning of the new Westmead multi-storey car park building;
- Construction of new pedestrian access pavement;
- Remodelling of existing on-grade parking at the Old Coroner's Court site;
- Demolition of existing plant room and extension of Institute Road.

Construction Management Plan Components

The Plan covers the following areas of management:

- The operations of site management when undertaking the works:
 - Facilities;
 - Legislative requirements;
 - Hours of construction works;
 - Site safety hoardings;
 - Aviation;
- Mitigation to minimise amenity and environmental impacts:
 - Noise;
 - Dust management;
 - Odour control;
 - Protection of trees and vegetation to be retained;
 - Vibration management;
 - Soil and erosion control;
 - Heritage;
- Traffic and pedestrian management for the duration of the works;
- Waste management:
 - Storage of dangerous goods;
 - Hazardous materials management;
- Services disconnections and connections;
- Communication with stakeholders.

Supporting Documentation

Reports being submitted by other consultants as part of this SSSA include:

- Arborist Report;
- Noise Impact Assessment;
- Soil and Water Management Plan;
- Construction Traffic Management Plan;
- Remediation Action Plan (RAP);
- Waste Management Plan.

The Arborist Report also contains requirements for site management during construction. Furthermore, it is anticipated that an Archaeological Management Plan will also be required to be prepared prior to construction works commencing.

Plant and Equipment

The following plant and equipment may be used for the works:

- Bulldozers, backhoes and earthmoving equipment;
- Articulated and fixed trucks;
- Mobile and fixed cranes;
- Fork lifts;
- General power tools.

Consultation

Written notification will be provided to all likely and potentially affected receivers prior to commencement of any works on site. This will include local residents and hospital staff, particularly the neighbouring Oral Health staff.

The manner of notification will be confirmed in the final Communications Plan produced by the Main Contractor and in association with NSW Health Infrastructure.

Complaints Management System

To ensure that complaints are managed consistently, the following information is required to find quick and effective resolution:

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

All complaints are referred to NSW Health Infrastructure Director of Communications for Westmead Redevelopment for entry into the Complaints Register and management of outcomes.

Site Management

The works will be undertaken under the supervision of a Main Contractor. All statements and proposals documented in this Plan will be reviewed at the time of contract award for the works to ensure alignment with proposed preferred methodologies and sequencing.

Legislative Requirements

All works will be undertaken in accordance with legislative requirements and as specified in the tender documents related to the awarding of the Main Contract.

Hours of Operation

The following hours of operation are proposed for the works:

- Monday to Friday – 7.00am to 6.00pm
- Saturdays – 8.00am to 1.00pm
- Sundays and Public Holidays – no work.

It is not envisaged that the construction works will require work to be undertaken outside of normal working hours. Exceptions may be required for the delivery and removal of heavy machinery to minimise impacts to local road users and stakeholders.

Staging

It is intended the works will be delivered in a single stage with construction duration of approximately 12 months.

Public Safety

Appropriate site hoarding and fencing as specified in Australian Standards and by WorkCover will be installed to the work areas prior to commencement of the works. These fences may be a combination of painted hoardings and ATF fencing with NSW Government shade cloth fitted. Site signage will be provided with a 24 hour emergency site contact including the contractor's name and address.

Construction vehicle access will be either directly from Darcy Road near the Oral Health building traffic signalised entrance, or alternatively from Institute Road to the north (refer to Appendix 1).

These measures and access procedures 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.

Aviation

The contractor will be required within their Construction Management Plan to detail the location of any crane requirements, and provide these to the aviation consultants and Ambulance NSW for review to ensure the existing NETS '10' flight path is not affected during construction work.

Environment and Safety

The Main Contractor undertaking the works will be required to prepare a comprehensive Environmental Management Plan (EMP) prior to the issue of a Section 109R Certificate to ensure

that all elements of the plan meet all statutory requirements as well as NSW Health Infrastructure's requirements.

The following specific environmental management principles will be implemented on site:

Noise and Vibration

The contractor will be required to provide noise monitoring of the Oral Health building during the works and comply with the requirements of the acoustic report included within this SSDA.

Management of noise emissions from the site will be consistent with requirements of the Interim Construction Noise Guideline, and relevant Australian Standards. A Construction Noise Management Plan will be prepared by the Main Contractor. No machine work will be permitted outside the normal working hours unless appropriate written approval has been obtained. Strict parameters will need to be agreed with the Oral Health facility for noisy work to be undertaken in the periods outside their peak operations.

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

As part of the noise mitigation treatment for the project, the Main Contractor will be responsible for the management, checking of compliance, maintenance regimes and statutory supervision of all equipment, such as making sure all trucks and machinery involved in the works are checked for defective exhaust systems and general servicing.

The Main Contractor will be responsible for producing a detailed Dilapidation Report of the adjoining buildings and surrounding infrastructure prior to the commencement of works.

Heritage

It is anticipated that an Archaeological Management Plan will also be required to be prepared prior to construction works commencing.

Dust

To control dust generation, and in line with the Remediation Action Plan (RAP) for the SSDA, water will be sprayed at the source of origin and surrounding areas to prevent airborne dust particles migrating into the surrounding environment. Management of dust prevention will be developed by the Main Contractor alongside NSW Health Infrastructure. The need for measures to prevent tracking of soil onto roadways outside of the site will be assessed by the Main Contractor and provided where necessary. Options available to the Main Contractor include:

- Wheel shaker;
- Wheel wash;
- Hosing;
- Manual cleaning.

Additional precautions include the covering of all haulage trucks with tarpaulins, monitoring of weather conditions including wind. Management and contingency plans will be developed to prevent any foreseeable impacts from dust.

Hazardous Materials

All works will be undertaken in strict accordance with the RAP as submitted with this SSDA.

Any other control plans as required such as a Hazardous Materials Plan and Asbestos Removal Control Plan will be developed by the Main Contractor.

Specialist Class A licenced contractors will be used to remove material classified as hazardous. These materials will be removed separately first and disposed of in accordance with EPA and statutory requirements. Certification will be provided that identified hazardous materials have been removed.

Odour Control

In terms of the construction activities of the site, it is expected that odour problems will be minimal. All plant and machinery will be regularly serviced and checked for exhaust emissions and catalytic converters.

Stormwater Runoff

Stormwater bunds and drainage lines will have appropriate sediment controls such as bales or sedimentation socks. All such controls will be required to be consistent with the Blue Book.

An Erosion and Sediment Control Plan will be developed by the Main Contractor in accordance with the requirements of Managing Urban Stormwater: Soils and Construction (4th Edition) ("The Blue Book") and / or details provided by project engineering consultants.

Stormwater grate intakes surrounding works will be covered with geotextile fabric to allow water to enter while retaining sediments. As the site has potential asbestos contamination issues, all waste collected from the GPTs are to be disposed of at an appropriate disposal facility for asbestos contaminated waste.

Controls will be implemented to manage runoff from outside the site from entering the site. Where this is not possible, appropriate controls will be implemented to maintain separation of clean run on water from runoff from the site.

All drainage control devices will be maintained regularly during and following heavy rainfall periods. Any remedial works required to these controls will be undertaken as a priority.

Traffic Management

As part of the final Construction Management Plan, the Main Contractor will be required to submit a Traffic and Pedestrian Management Plan (TMP) for approval prior to commencement of the works.

Construction Entry/Exit

It is proposed that construction traffic will enter and exit from either Darcy Road or Institute Road. See Appendix 1.

Peak truck movements will occur during concrete pours. This could involve up to 40 truck movements per day during concrete pours. The Main Contractor's TMP will be required to nominate off-site waiting areas for trucks to be called upon when required by the site management.

Detailed haulage and delivery routes are yet to be determined, however as a general principle, heavy vehicles will be restricted to arterial and sub-arterial transport routes. Use of suburban streets will be avoided as far as practicable.

Pedestrian Protection

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

Temporary hoarding appropriate to the interaction between pedestrians and construction works (as per WorkCover 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.

Parking

All contractor vehicles will be located within the confines of the work area. There will be no parking made available on other areas of the hospital campus.

Waste Management

Waste Management and Recycling Principles

Where possible any material waste generated from the works will be recycled. A formal Construction Waste Management Plan will be produced by the Main Contractor prior to works commencing. All material that cannot be recycled or reused will be disposed to an approved landfill facility. Waste will be minimised and that generated will be separated to maximise recycling. The highest waste production will be during the construction of the structure.

The project has been designed to minimise in-ground works due to the potential asbestos contamination issues. All in-ground works will be managed in strict accordance with the RAP, and any contaminated waste will be disposed of at a suitable asbestos disposal facility.

Storage of Dangerous Goods

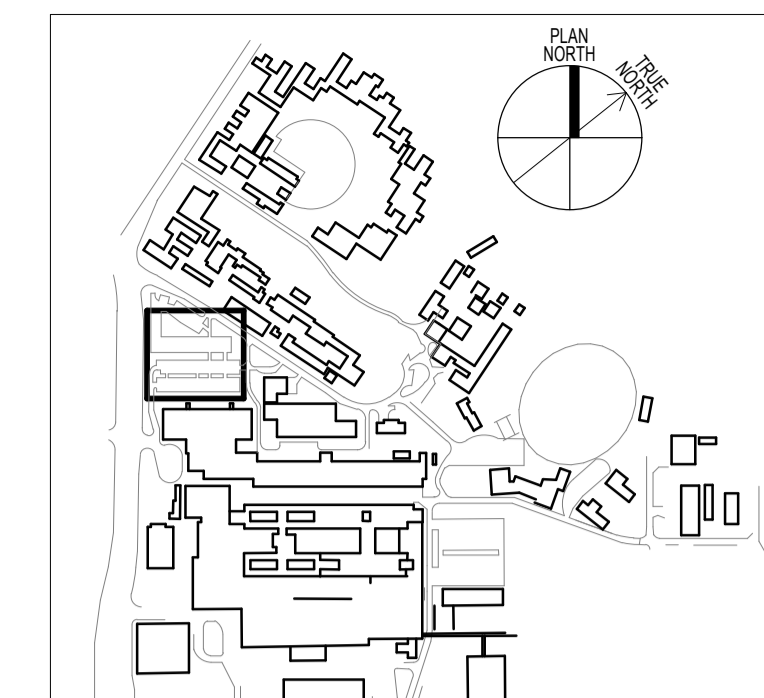
Dangerous goods (such as petrol, diesel, oxy-acetylene, oils, etc.) will be stored in a lockable compound with sufficient ventilation in accordance with relevant codes of practice and standards. Material safety data sheets on all flammable and potentially harmful liquids will be provided by the contractor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

Appendix 1

The area of the main multi-storey car park site is indicated inside the red lines.

Potential vehicle access and egress routes are identified by the blue lines. Potential site shed locations are indicated by solid blue blocks.

The green area indicates areas of works outside of this SSDA.



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REV	DESCRIPTION	DRAWN	CHECK	DATE
1	SSD DRAFT	RT	AF	9/10/2015
2	SSD APPROVAL	RT	EG	29/10/2015

GREEN AREA
 DENOTES
 APPROVED
 WORKS

FOR CONTINUATION REFER SHEET DG-0102

STATE SIGNIFICANT DEVELOPMENT
 APPROVAL
 NOT FOR CONSTRUCTION


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Building health. Transforming lives.

DRAWING TITLE:
 CAR PARK SITE LOCATION PLAN

SCALE:
 1 : 1000

DOCS NUMBER:
5335

PROJECT NUMBER:
232186

DRAWING NUMBER:
MSC-HDR-AR-DG-1000 2

CHECKED:
 EG

ISSUE:

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