

29 November 2021

Multiplex Australia  
Level 23 135 King Street,  
Sydney, New South Wales, 2000  
Att. Mrs. Christina Travers-Jones

**Re: Contract – Mosman High School Project Phases 3-9**

**Compliance to Conditions - Development application no. SSD-10465**

Dear Christina,

As a requirement of the Crown Certificate checklist for demolition work located at 745 Military Road Mosman NSW, N. Moit & Sons (NSW) Pty Ltd will comply with following conditions as per development application no. SSD-10465:

- Condition B12 and AS 2601-2001 The demolition of structures (Standards Australia, 2001)
- Condition B14
- Condition B15

Should you have any queries please do not hesitate to contact the undersigned.

Kind Regards,



Marcel Stelio  
**Works Manager-Demolition and Remediation**  
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E: [Marcel.Stelio@moits.com.au](mailto:Marcel.Stelio@moits.com.au)



# MOITS

*DOWN TO EARTH*

Prepared for Multiplex  
Demolition Management Plan and Methodology

769 Military Rd, Mosman, NSW 2088

02 8026 1700  
142 WICKS ROAD  
MACQUARIE PARK NSW 2113

[WWW.MOITS.COM.AU](http://WWW.MOITS.COM.AU)

## Introduction

We have reviewed the project documentation and visited site and understand the site constraints and requirements for the project. The methodology and sequencing for demolition and excavation of this project takes into account the various specific aspects of the project including existing adjoining properties, the ongoing operation of the school, and that the school is considered a sensitive receiver for dust and noise.

This management plan outlines the Health, Safety, Environment, and Quality factors, as well as the demolition and disposal of materials for the project. The aim of this plan is to ensure safety on site, manage environmental impact, manage impact to the school, and complete the project on time.

## Site Description

Mosman High School is an operational high school consisting of a 1.5ha site on Military Rd in Mosman. Demolition and excavation works on site consist of demolition or modification to four buildings as well as outdoor slabs. Footing excavation will follow the demolition works. The pictures below describe the site from top and ground view of the existing structures onsite.



Figure 1: Site Location from top



Figure 2: Entrance to Building B, corner of Building E visible on left



Figure 3: Building E

## Health Safety Environment and Quality

### Moits Central

Moits manages all safety documentation through our online Moits Central system. These include:

- Daily toolbox, attendance register, and site diary;
- Weekly Supervisor inspection, Project Manager inspection, and Construction Manager inspection;
- Permits, registers, incident reports, plant documentation, and SWMS.

Moits have a live view of the material data and track all material movement through our Moits Central database and tracking system which is implemented by all Moits trucks and traffic controllers. Through this system we can provide tipping location, time, payload, and classification for every load that leaves the site. Moits Central tracks the estimated cubic meters being taken out daily by applying a hardcoded density for each material and load ensuring that our estimates for progress reporting are accurate.

### Disposal of Materials

Recyclable material from the project will be crushed and turned into a saleable product and reused in the construction industry. Other materials will be tipped at EPA licensed landfill tips. The following is a list of facilities where debris will be transported for recycling and disposal:

- Mulch – Mulch suitable for on site reuse will be stockpiled and retained, mulch suitable for recycling will be taken to ANL, and weed containing mulch will be disposed of as green waste for composting.
- Timber – reusable timbers will be stripped and separated by hand and stacked for resale to timber yards. Timber deemed unusable will be transported to Bingo Industries waste facility for landfill.
- Brick/block work – will be separated and transported to Rock & Dirt Recycling facility for crushing. The crushed brick is a recyclable material used as sub- base, granular fill, or a blended road base.
- Concrete – will be separated and transported to Rock & Dirt Recycling Facility for crushing into DGB20 roadbase and 10mm, 20mm, 30-40mm, 40-70mm aggregates.
- Steel – Steel separated to stockpile and transported to SIMMS metal.
- Aluminium – aluminium separated and transported to SIMMS metal.
- Copper – copper separated each floor into stockpile, and transported to SIMMS metal.
- Rubbish – Mixed waste will be transported to Bingo Industries.
- GSW or contaminated – To be disposed of as per waste classification
- GSW (Recyclable) – To be stripped from site and transported to Rock & Dirt Recycling for recycling into soil
- VENM (Sandstone) – Will be transported to Rock & Dirt Recycling for recycling into crushed sandstone and roadbase
- VENM (Clay and Shale) – To be used for brick manufacturing or transported to landfill sites

## Hours of Operation

- Mon – Fri: 0700 – 1800hrs
- Sat: 0730-1530hrs

Respite from hammering:

- Mon-Fri: 0700 – 0900, 1200 – 1400
- Sat: 0730 – 0900, 1200 – 1530

No work will be conducted on Sundays or public holidays.

## Site Establishment

- Obtain Safework NSW approval for:
  1. Lead Risk Work
  2. Asbestos Work
  3. Demolition Work
- All persons working on or entering site are required to hold a valid and current Working with Children check.
- Current COVID regulations will be implemented.
- Conduct stakeholder meetings / consultations.
- Establish Boundaries and Warning Signage to restrict access to site with the use of temporary fencing covered in 200um black plastic.
- Set up of environmental controls around site to contain sediment run off.
- Identify location of decontamination point / modular decontamination unit and connect water and power to unit.
- Establish location for hazardous waste and fence off area.
- Install air monitoring surround work area.
- Spill kits will be spread across the site.
- Street sweepers will be used where necessary to clean surrounding roadways.

## Services

- All services to be disconnected by MPX prior to the beginning of work excluding stormwater.
- Hold point: Moits will verify service disconnection and obtain a disconnection certificate prior to works.
- Existing stormwater system to be maintained and protected throughout works.

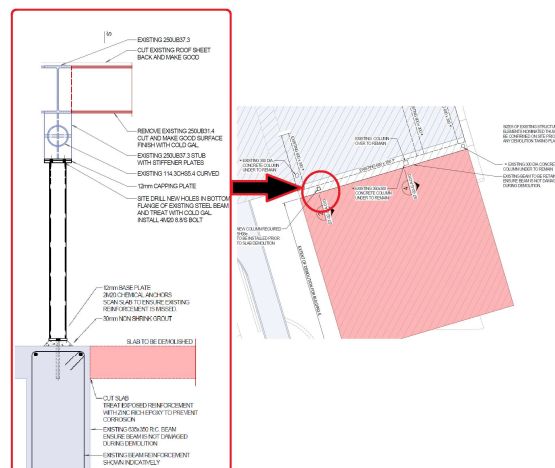
## Demolition

### Machinery to be used:

- 49T excavator
- 30T excavator
- Bobcat – on suspended slabs (Subject to engineers loading approval)
- Rigid Trucks & Bin Trucks

### Demolition Sequence

- Tree removal
- Hazmat Removal of building E, then Building B. Clearance certificate shall be obtained and approved by Multiplex prior to any structural demolition.
- Soft strip to follow the hazmat removal of Buildings E and B.
- Install Temporary support column at Building E
  - 1) Scan slab at the location of the existing slab beam where the supporting column is going to be installed to ensure existing beam reinforcement is missed.
  - 2) Stand the beam using material hoist. Temporary fix the supporting column to the beam roof. This will allow two point of contact prior of fixing the column's base
  - 3) Place the steel plate, then position the supporting column on top of the plate.
  - 4) Drill and place 2M20 Chemical anchors then place the chemset.
  - 5) Using mobile scaffold, drill new holes into the bottom flange of the existing roofing steel beam
  - 6) Treat with cold galvanise. Then install 4M20 8.8/S Bolts.
  - 7) Obtain the installation certificate from the contractor (Metal Corp). Final sign off by the structural engineer prior to the structural demolition.



- Set up vibration monitors prior to any structural demolition
- Roof Disconnection of building E:
  - 1) Roof to be disconnected by hand from the underside using a mobile scaffold.
  - 2) The shear attachment on the 49T excavator will then be used to pull the side to be demolished, away from the side of the building that will remain, to prevent damage.
  - 3) Guttering will be repaired to suitably drain the shorter roof section.
  - 4) Waterproofing of the roof will be conducted after demolition
  - 5) Screens to be installed to protect existing building/windows



- Partial Demolition of building E:
  - 1) Block E will be demolished from the Block B side to the remaining building.
  - 2) During demolition excavators will pull away from the building to prevent damage. Protection to nearby buildings to be installed a required.
  - 3) Once the partial demolition of block E is finished the remaining roof will be refinished and waterproofed.
  - 4) Cantilevered slab to remain will be certified by structural engineer.

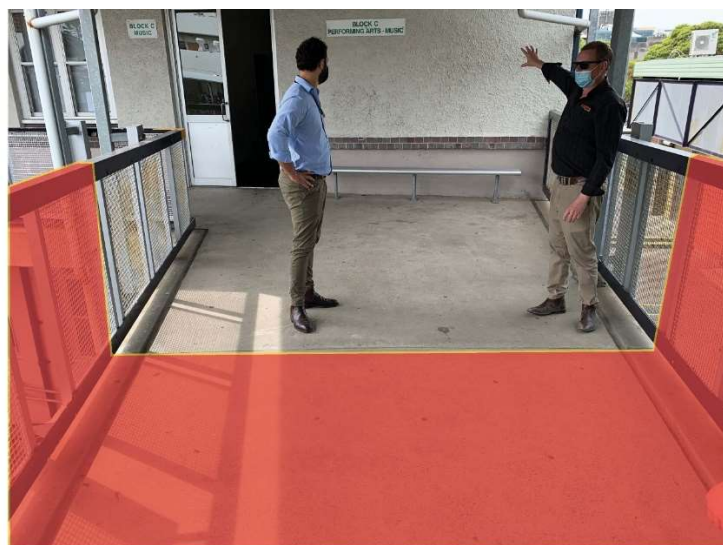


5) Fencing will be setup at edges of 1<sup>st</sup> floor slab after demolition is complete.



- FOOT BRIDGE DEMOLITION

- 1) Footbridge to be demolished to slab joint. 30t+ excavator to demolish from ground level.
- 2) Structural Engineer to certify prior to demolition.
- 3) Hoarding will be installed inside the cut line by MPX, prior to demolition.
- 4) A scissor lift will be used to make good of demolition works.



- **BUILDING B – STRUCTURAL DEMOLITION**

- 1) After clearance is received building B will be Demolished starting at the tennis courts, through to the military road side scaffolding and then through steps 2&3.
- 2) The building, including the lift, will be demolished taking both floors simultaneously with a 49T excavator.

