KINCOPPAL-ROSE BAY SCHOOL

STATE SIGNIFICANT DEVELOPMENT APPLICATION: SSD-10325

CONSTRUCTION MANAGEMENT PLAN REVISION 1

in response to SEARs 14th JAN 2020 and Response to Submissions 1st FEB 2021

1 INTRODUCTION

1.1 OVERVIEW

This Construction Management Plan has been prepared by Mahady Management on behalf of Kincoppal-Rose Bay School of the Sacred Heart (KRB). Mahady Management is appointed as Project Director for KRB.

This report accompanies the Environmental Impact Statement (EIS) and the subsequent Submissions Report in support of the State Significant Development Application (SSD-10325) for Kincoppal-Rose Bay School (KRB) which is located at the corner of New South Head Road and Vaucluse Road, Rose Bay NSW 2029.

The proposal comprises a staged SSDA which includes a Concept Proposal for a site-wide campus masterplan, and a Stage 1 Application for detailed works.

This SSDA seeks approval for the staged redevelopment of Kincoppal Rose Bay School, including:

- Concept Proposal for alterations and additions to the existing facilities at Kincoppal Rose Bay, including:

  - Reconfiguration of the existing Hughes Centre for a new multi-purpose teaching facility.
  - Reconfiguration of the Circulation Hub to facilitate improved accessibility.
  - Boarding House Extension up to a maximum of three (3) storeys in height.
  - A total of 134 on site car parking spaces, including four (4) accessible car parking spaces.
  - Increase in staff and student numbers, up to a maximum of 1,205 students and a maximum of 185 staff.
  - Stage 1 Application for detailed works (set out as follows).

- Stage 1 Application for detailed works including alterations and additions to the existing facilities at Kincoppal Rose Bay, including:

  - Traffic management works to the Junior School.
  - Expansion of the Early Learning Centre (ELC).
  - Upgrades and extensions to the Junior School.
  - Provision of a Car and Bus Parking Area.
  - Expansion and refurbishment of the Year 8 Learning Centre.
  - Refurbishment of the Senior School Main Entrance Forecourt, Reception / Foyer.

The purpose of this Construction Management Plan is to respond to specific elements of the SEARs relating to the management of the site during construction activities. At this stage a Head Contractor has not been appointed. However, as Project Director Mahady Management will, on behalf of KRB, provide direction to and monitoring of the eventual Head Contractor's site management.

1.2 RESPONSE TO SEARs

This Construction Management Plan is not a specific requirement of the Secretary's Environmental Assessment Requirements (SEARs) for SSD-10325, however, it has been prepared to provide a consolidated response to construction site operational matters raised by SEARs as follows:

Concept Proposal

- Item 7: Staging

Stage 1 Works

- Item 5: Transport & Accessibility
- Item 9: Sediment, Erosion & Dust Control
- Item 12: Waste
- Item 13: Construction Hours

2 CONCEPT PROPOSAL

2.1 PROJECT STAGING

SEARs requests details of proposed ***Staging of the Works*** associated with the Concept Proposal components. In this section, however, the proposed Staging of ***all works*** associated with this application are addressed, ie both Concept Proposal and Stage 1 Works components.

Appendix I provides an overall site plan noting the three Precincts associated with this application:

- Precinct A: Junior School
- Precinct B: Senior School
- Precinct C: Expansion to Boarding House

Appendix II provides construction staging plans for each of these three Precincts. The information below is supplementary to these plans and provides a descriptive outline of the staging associated with each Precinct.

Precinct A Staging (stage 1 works)

The proposed staging of works in the Junior School campus is as follows:

I Item 9: Traffic Management – New Junior School Site Entry off Vaucluse Road, new Drop-off and Pick-up facilities, and Elevated Foot Bridge

- Enhanced vehicular entry/egress capacity
- Internal vehicle queueing (relieving pressure from Vaucluse Road)
- Resolved Drop-off & Pick-up arrangement
- Elevated Foot Bridge – initial stage (separating pedestrian & vehicle traffic)

II Item 1: Early learning Centre Extension

- New space for ELC (allowing decanting of students from Level -02, Area 2)

III Item 2: Junior School Assembly + GLA's + Trafficable Roof

- Development across 4 levels utilising empty Level -02 space for decanting

IV Item 3: Junior School GLA's + Trafficable Roof Space

- Development across 4 levels utilising new GLA from Item 2 for decanting

V Item 4: Junior School Vertical Circulation Link

- New lift & stair facilities
- Elevated Foot Bridge – final stage (facilitates full separation of pedestrian/traffic movements)

VI Item 5: Junior School GLA's + Amphitheatre

- Development across 4 levels utilising new GLA from Items 2 & 3 for decanting

Precinct B Staging (stage 1 works elements)

The proposed staging of works in the Senior School Campus is as follows:

I Items 10 & 13: Traffic Management including enhanced Drop-off/Pick-up and Bus & Car parking

- New bus parking area
- Additional carparking
- Revised road with new Drop-off & Pick-up
- Temporary pedestrian access arrangements required

II Item 8: Redeveloped Year 8 centre (Level 03)

- Minor elements of new structure
- Additional GLA for year 8
- Works planned for December/January period – no student/staff decanting required

III Item 7: Main entry forecourt, landscaping & accessible entry ramps

- External works
- Temporary pedestrian access arrangements required

IV Item 6: Main entry reception, foyer, administration + leadership offices (Level 02)

- Internal refurbishment works
- Works planned for December/January period – no student/staff decanting required

Precinct B & C (concept proposal elements)

The proposed staging of works for the Concept Proposal Elements is as follows:

I Item 12: Senior School Hughes Centre

- Internal refurbishment works – no decanting required

II Item 11: Senior School Circulation Hub

- Internal refurbishment works
- Temporary pedestrian access arrangements required

III Item 14: Boarding Accommodation Extension

- New construction
- Construction area can be isolated
- No student/staff decanting required

3 STAGE 1 WORKS

Item 5 Transport & Accessibility

In response to SEARs (Item 8 of the Concept Proposal and Item 5 of the Stage 1 Works) the Traffic Consultant Colston Budd Rogers Kafes has prepared a Transport and Accessibility Impact Assessment. This report provides a comprehensive response to the matters raised in the SEARs.

KRB currently has multiple vehicular entry/exit points within the campus as follows:

Senior School:	Entry/Exit at New South Head & Vaucluse Road Junction
Junior School:	Entry/Exit off Vaucluse Road
Multi-Purpose Facility:	Entry/Exit off Vaucluse Road

In reference to the SSDA project staging plan the proposed new entry off Vaucluse Road, which is noted as the first project to be undertaken in Precinct A, will provide a further entry point into the KRB Campus once constructed.

Now as detailed in Section 2 above, this State Significant Development Application covers 3 distinct Precincts across the KRB Campus, and 14 no. individual projects within these precincts. The works will be undertaken not as one major construction project, but rather as 14 no. individual projects over a 10 year redevelopment time-frame.

Accordingly, the KRB campus retains significant flexibility to manage day-to-day traffic as well as construction vehicle traffic during individual construction projects.

Finally, a Construction Traffic Management Plan (CTMP) will to be prepared by the Head Contractor in response to Conditions of Development Consent, detailing strategies and methodologies for pedestrian and traffic management to be implemented during each of the various stages of construction works.

Item 9 Sediment, Erosion & Dust Control

Sediment, erosion & dust control measures will be implemented throughout the construction phase to minimize air borne contaminants and to maintain air quality in proximity of the site.

The following measures will be implemented on the Project:

- Where excavating in rock, a rotating "wet" rock saw will be employed to pre-cut the pad footings, lift bases and stair bases for the detailed excavation. Under these arrangements a fixed water feed would suppress air borne dust emanating from the face of the excavation.
- Where excavating in soil/fill areas, an appropriate retention system will be implemented to control erosion
- The control of discharges from site works , eg sand and dust particles from cutting/excavations, wet trades, etc, will be handled by appropriately prepared and bunded zones – to prevent any impact to adjacent areas and waterways.

- Dust emanating from demolition works, eg roof areas of the Junior School and the Year 8 Centre, will be controlled by the installation of dust screens and damping down of affected areas.
- All-weather hardstands will be provided for use as a loading, unloading, concrete pumping and construction staging areas. These areas would be routinely watered down to further minimise dust emissions.
- Low vibration wet cutting and drilling could be utilised to reduce dust emissions.
- Other methods of cutting or drilling will be performed behind debris screens.
- Where feasible, vacuum attachments will be utilised on cutting, drilling and grinding tools to capture dust emissions.
- Regular clean-ups, or "housekeeping", of work and staging areas will be undertaken.

Item 12 Waste

A Preliminary Site Waste Minimisation and Management Plan has been prepared in response to Item 12 of the SEARs – refer Appendix III.

The objectives of this Plan are based on the hierarchy of avoidance/reduction, reuse, recycle, treatment and/or disposal, and focusses on achievement of reuse and/or recycling a minimum of 80% of all waste material generated on the construction site, thus achieving up to 80% reduction in waste going to landfill.

Key focuses for waste reduction and minimisation on a construction site are demolition materials, construction material waste, excavated spoil, washout, domestic waste, and general litter.

Project objectives include:

- Minimising impacts from waste generation.
- Maximising beneficial re-use of excavated materials, thereby minimising off-site disposal to landfill.
- Monitoring the management and disposal of site generated waste to ensure compliance with relevant legislation, conditions and guidelines.
- Minimising the contamination of recyclable waste materials.
- Monitoring and analysing waste to enable identification of opportunities for waste reduction through recycling / reuse, and the potential for cost savings.
- Liaising with contractors to identify areas for where they can reduce water and reuse materials in their respective trades;

Prior to construction, the appointed Head Contractor will be required to:

- Consider the Waste Minimisation and Management Plan contained within Appendix III
- Review the Conditions of Consent relating to Waste Minimisation and Management
- Undertake appropriate planning and implementation of an effective waste management strategy

Item 13 Construction Hours

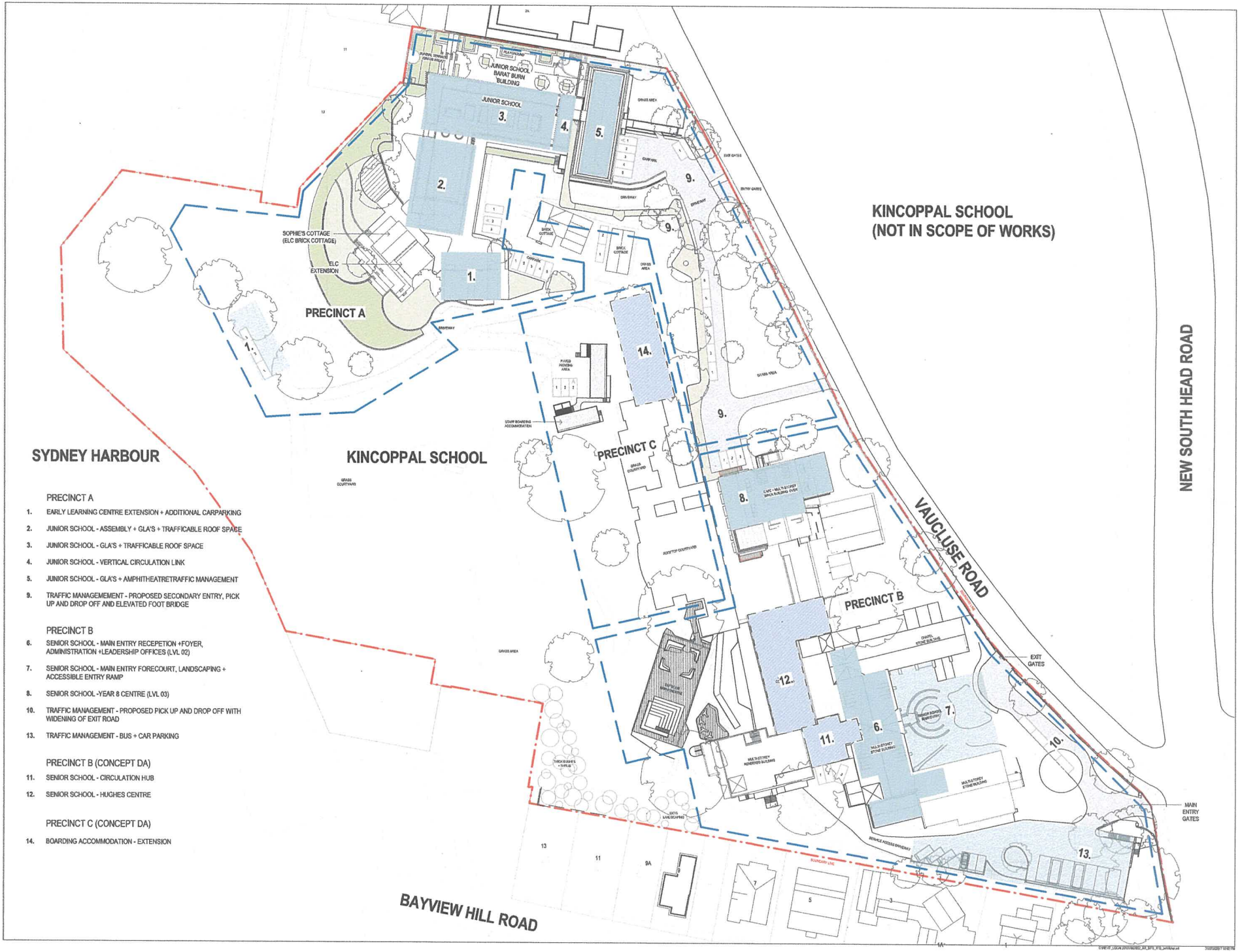
This Construction Management Plan proposes construction hours in conformity with the requirements of the local council, Woollahra Municipal Council. Council's requirements are defined in their Development Control Plan which notes work is to be restricted to:

Monday – Friday: between 7am and 5pm

Saturday: between 7am and 1pm

The permitted construction hours for this development will be specifically defined in the Conditions of Consent.

APPENDIX I: OVERALL SITE PLAN



PRECINCT A

1. EARLY LEARNING CENTRE EXTENSION + ADDITIONAL CARPARKING
2. JUNIOR SCHOOL - ASSEMBLY + GLA'S + TRAFFICABLE ROOF SPACE
3. JUNIOR SCHOOL - GLA'S + TRAFFICABLE ROOF SPACE
4. JUNIOR SCHOOL - VERTICAL CIRCULATION LINK
5. JUNIOR SCHOOL - GLA'S + AMPHITHEATRETRAFFIC MANAGEMENT
9. TRAFFIC MANAGEMEMENT - PROPOSED SECONDARY ENTRY, PICK UP AND DROP OFF AND ELEVATED FOOT BRIDGE

PRECINCT B

6. SENIOR SCHOOL - MAIN ENTRY RECEPETION +FOYER, ADMINISTRATION +LEADERSHIP OFFICES (LVL 02)
7. SENIOR SCHOOL - MAIN ENTRY FORECOURT, LANDSCAPING + ACCESSIBLE ENTRY RAMP
8. SENIOR SCHOOL -YEAR 8 CENTRE (LVL 03)
10. TRAFFIC MANAGEMENT - PROPOSED PICK UP AND DROP OFF WITH WIDENING OF EXIT ROAD
13. TRAFFIC MANAGEMENT - BUS + CAR PARKING

PRECINCT B (CONCEPT DA)

11. SENIOR SCHOOL - CIRCULATION HUB
12. SENIOR SCHOOL - HUGHES CENTRE

PRECINCT C (CONCEPT DA)

14. BOARDING ACCOMMODATION - EXTENSION

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Telephone +61 2 8297 7200
Facsimile +61 2 8297 7299
www.bvn.com.au

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2	02.06.20	FOR COORDINATION
3	17.06.20	FOR COORDINATION
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TRAFFIC ENGINEER
CBRK
TEL 02 9411 2411

CIVIL AND STRUCTURAL ENGINEERS
HENRY & HYAMS
TEL 02 9417 8400

URBAN PLANNER AND HERITAGE SPECIALIST
DESIGN 5
TEL 02 9319 1855

LANDSCAPE ARCHITECT
CAB CONSULTING
TEL 02 9997 1085

PROJECT MANAGER
MAHADY MANAGEMENT
MOB. 0411 510 073

CLIENT
KINCOPPAL - ROSE BAY

PROJECT
PRECINCT A, B, C

CNR NEW SOUTH HEAD ROAD & VAUCLUSE RD, VAUCLUSE NSW 2030

BVN PROJECT NUMBER
1802002

DRAWING KEY

TRUE NORTH

GRAPHIC SCALE
0 2000 5000

SCALE
1 : 500@A1

STATUS
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DRAWING
SITE - PROPOSED SITE PLAN

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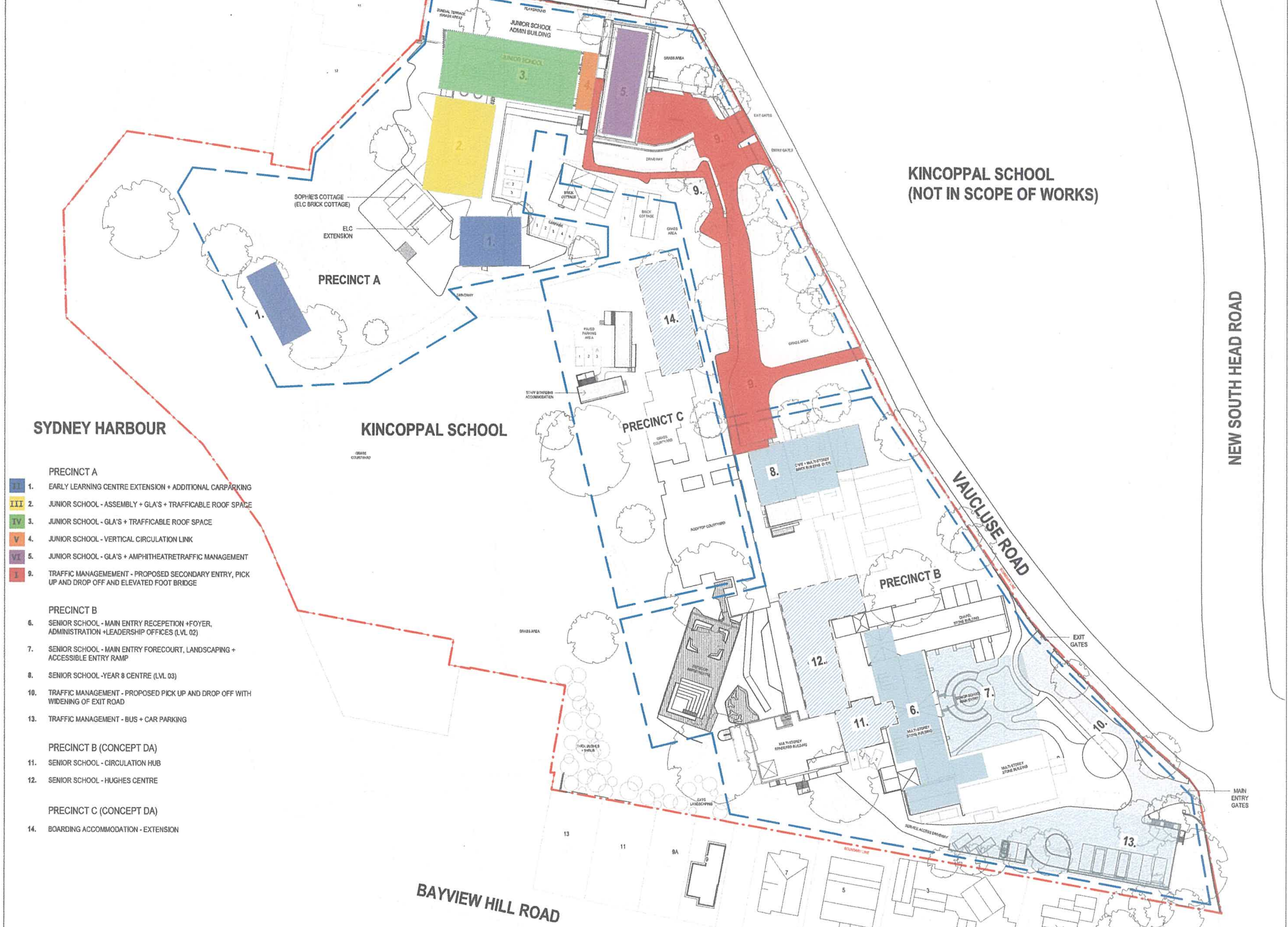
APPENDIX II: CONSTRUCTION STAGING PLANS

CONSTRUCTION STAGING PLAN
PRECINCT A - STAGE 1 WORKS



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I	9.	TRAFFIC MANAGEMEMENT - PROPOSED SECONDARY ENTRY, PICK UP AND DROP OFF AND ELEVATED FOOT BRIDGE

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CBRK
TEL 02 9411 2411

CIVIL AND STRUCTURAL ENGINEERS
HENRY & HYAMS
TEL 02 9417 8400

URBAN PLANNER AND HERITAGE SPECIALIST
DESIGN 5
TEL 02 9319 1855

LANDSCAPE ARCHITECT
CAB CONSULTING
TEL 02 9997 1065

PROJECT MANAGER
MAHADY MANAGEMENT
MOB. 0411 510 073

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CONSTRUCTION STAGING PLAN
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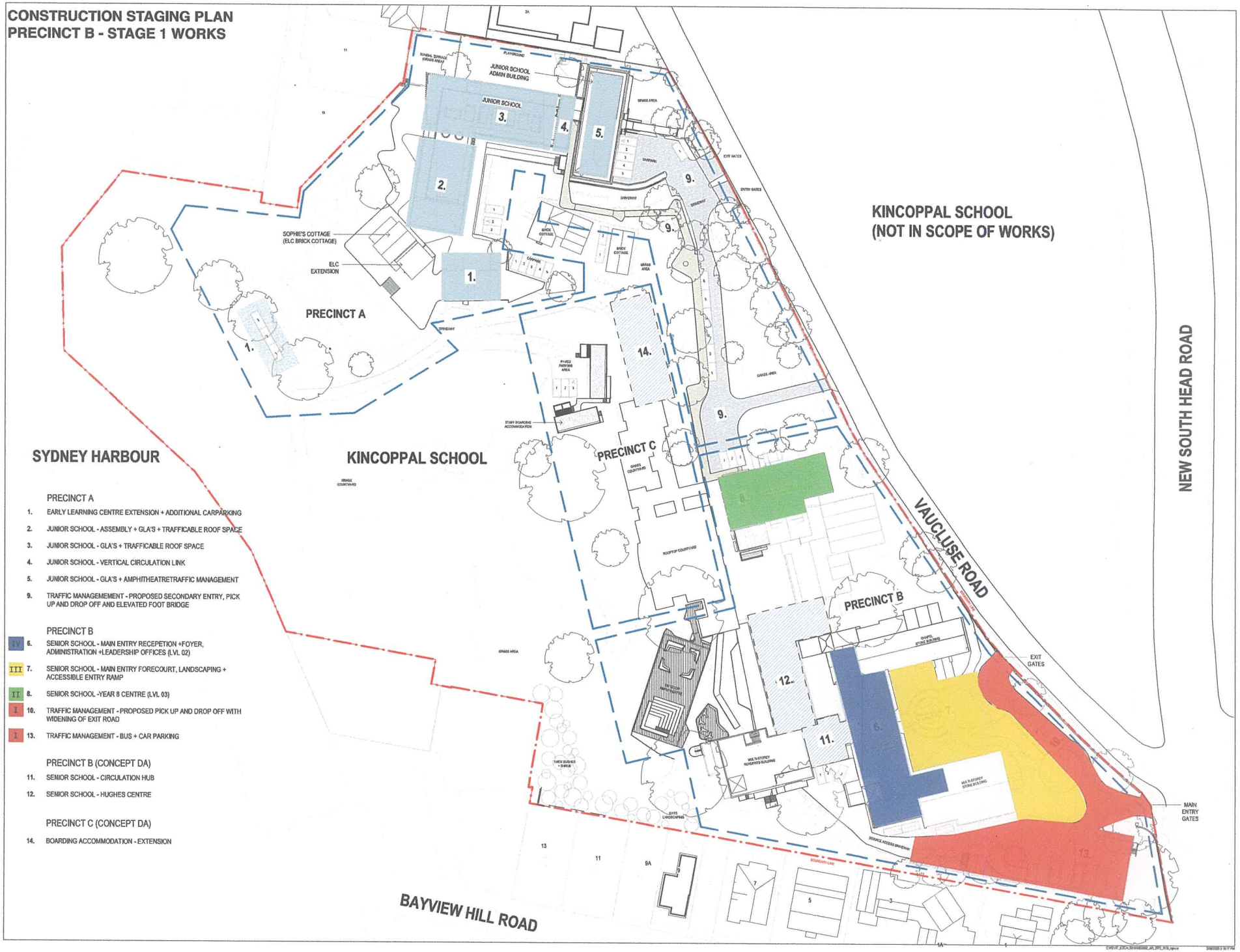

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QLD ARCHITECTS REGISTRATION BOARD / NOMINATED ARCHITECTS
1556 MARK GRIMMER
3750 BRENA DONOVAN
3468 KEVIN O'BRIEN

Telephone +61 7 3852 2525
Facsimile +61 7 3852 2544
www.bvn.com.au

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CBRK
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HENRY & HYAMS
TEL 02 9417 8400

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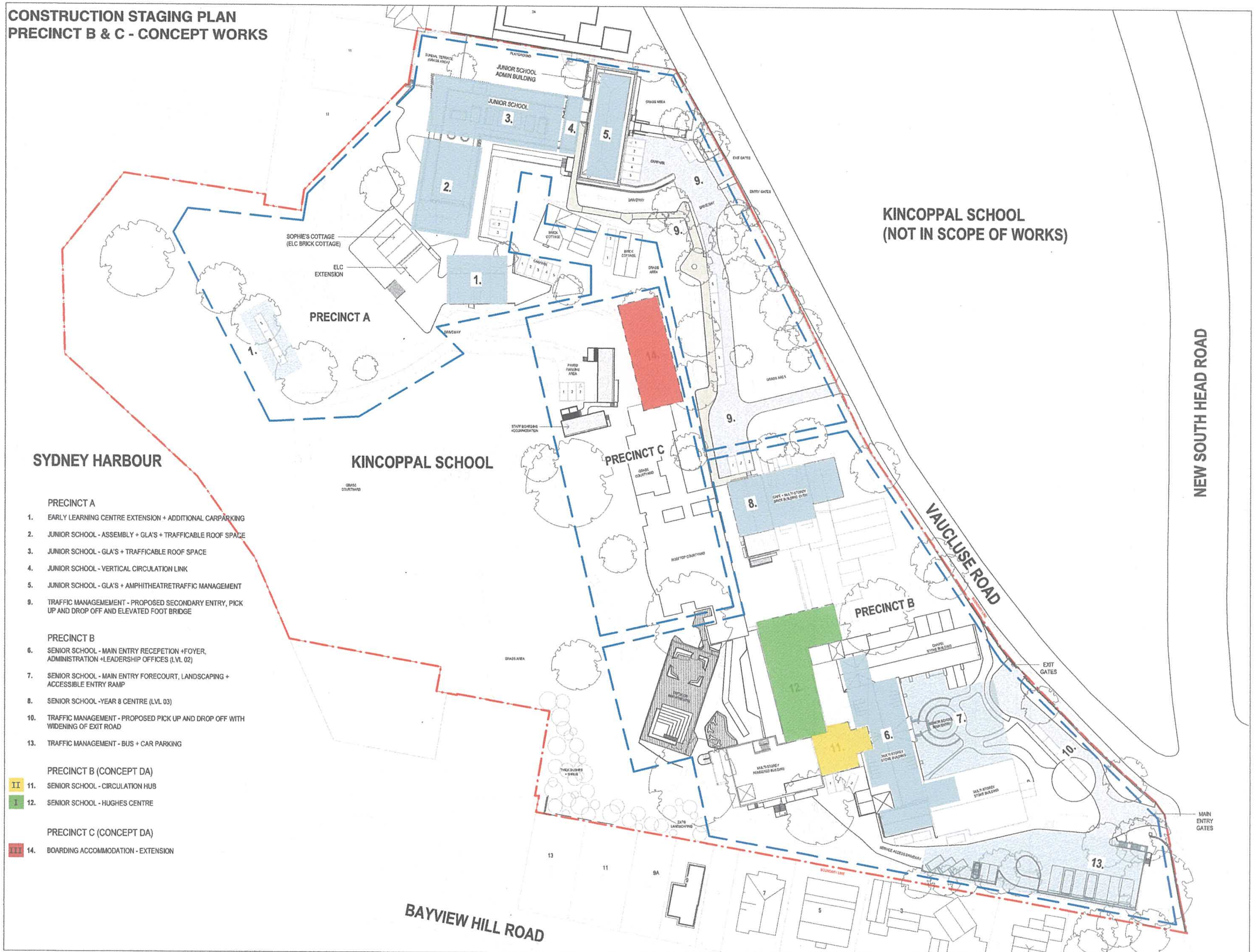
CONSTRUCTION STAGING PLAN
PRECINCT B & C - CONCEPT WORKS



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CBRK
TEL 02 9411 2411

CIVIL AND STRUCTURAL ENGINEERS
HENRY & HYAMS
TEL 02 9417 8400

URBAN PLANNER AND HERITAGE SPECIALIST
DESIGN 5
TEL 02 9319 1855

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CAB CONSULTING
TEL 02 9997 1085

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MAHADY MANAGEMENT
MOB. 0411 510 073

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APPENDIX III: WASTE MINIMISATION & MANAGEMENT PLAN

To

Terry Mahady - MAHADY MANAGEMENT

Copy to

KINCOPPAL - ROSE BAY

From | Date

BVN | 24 May 2021 - Revision B

Subject

KINCOPPAL-ROSE BAY - SEARS - PRECINCT A SWMMP – Revision B

ADDRESS: 2 Vaucluse Road, Rose Bay NSW 2029

SITE WASTE MINIMISATION & MANAGEMENT PLAN

PRECINCT A.

1. ELC – Extension building
2. JS – WEST WING
3. JS - NORTH WING
4. JS- vertical circulation
5. JS-EAST WING, traffic and street entry gates
9. Traffic and elevated walkway link between SS & JS

DEMOLITION:

WASTE		REUSE	RECYCLING	DISPOSAL	METHOD
Type of waste generated		Estimate Volume (m^3) or Weight (t)	Estimate Volume (m^3) or Weight (t)	Estimate Volume (m^3) or Weight (t)	Method of onsite reuse, contractor and recycling outlet and/or waste depot to be used.
1.0	**EARLY LEARNING CENTRE (ELC) – EXTENSION BUILDING**				
1.1	Existing timber ramp/steps removal	✓ Hardwood tread decking boards surface area 6.0m^2	✓	✓ Treated pine support framing	To be kept and reused as the school requires. Potentially used elsewhere within the school grounds. Alternatively, contractor delivery to a nearby recycling depot or transfer station.
1.2	Existing ramp steel hand rails and galv. balustrade	✓ Hardwood ramp decking boards surface area 75.0m^2	✓	✓ Treated pine support framing	As per above
1.3	Existing solid timber fence + external walls removal	-	-	✓ Painted pine cladding and treated pine framing 10.0 lm x 1.8h	Skip bin collection and contractor delivery to a nearby recycling depot or transfer station.
1.4	Ground Excavation + landscape relocations	-	-	✓ 600m^3 estimated excavation volume. 100% of volume disposal	100% excavated (Cut works) ground material to be removed off site to nearby waste management depot.

1.5	Sunshade structures	✓ x 2 structures	-	✓ Disposal of misc. fixings or components that need replacement as part of relocation.	Relocate existing sunshade structures to new playground areas
1.6	Aluminium perimeter boundary fencing	✓ 65.5 lm x 1.8h 80% reuse to new playground perimeter	-	✓ 20% disposal of unusable fence parts in relocation	Relocate existing perimeter fencing to new playground areas
1.7	Lower playground works	-	-	-	50% to Cut and fill works, use part of excavated ground material where possible.
1.8	Tree Removal	-	-	-	Refer to Landscape Architects documentation
2.0 3.0	**JUNIOR SCHOOL: - WEST WING (2.0) - NORTH WING (3.0)**				
2.1 3.1	External Glazed doors and windows LVL-02, -01, 00	-	-	✓ 100% disposal Surface areas: 2.1 230m² 3.1 275m²	Powder coated Aluminium frames for disposal Skip bin collection and contractor delivery to a nearby recycling depot or transfer station. (see locations below).
2.2 3.2	Internal doors	-	-	✓ 100% disposal Surface areas: 2.2 60m² 3.2 35m²	Skip bin collection and contractor delivery to a nearby recycling depot or transfer station. (see locations below).
2.3 3.3	Walls LVL-02, -01, 00		✓ 25% recycle Volume 2.3 29m³ 3.3 23m³	✓ 75% disposal Volume 2.3 87m³ 3.3 69m³	Recycle brick rubble where possible. Skip bin collection and contractor delivery to a nearby recycling depot or transfer station. (see locations below).
2.4 3.4	Toilet partitions, basins, WC's fixtures and fittings	-	-	✓	Skip bin collection and contractor delivery to a nearby recycling depot or transfer station.
2.5 3.5	Removal of roofs above Level -02 Level -01 Level 00	-	✓*Recycle*	✓ Disposal surface area Level-02 64m² Level-01 200m² Level 00 610m²	Recycle Steel roof sheeting and steel support framing where possible. Skip bin collection and contractor delivery to a nearby recycling depot or transfer station

2.6 3.6	Concrete stairs + external concrete paving	-	✓ *Recycle*	✓ Disposal volume Level-02 35m³ Level-01 60m³	Recycle concrete rubble where possible. Skip bin collection and contractor delivery to a nearby recycling depot or transfer station
2.7 3.7	Floor coverings: Carpets, linos, tiles, timber overlay flooring	-	-	✓ Surface areas 2.7 615m² 3.7 810m²	Skip bin collection and contractor delivery to a nearby recycling depot or transfer station
2.8 3.8	Ceilings: Plasterboard and other linings	-	-	✓ Surface areas 2.8 765m² 3.8 655m²	Skip bin collection and contractor delivery to a nearby recycling depot or transfer station
2.9 3.9	Internal services, electrical, hydraulic + mechanical	-	✓Recycle all copper pipes and wiring	✓Disposal all plastic pipework	Recycle all metals where possible Skip bin collection and contractor delivery to a nearby recycling depot or transfer station
2.10 3.10	Loose furniture	✓Reuse 50% sell or stockpile on campus	-	✓Disposal 50%	Reuse desk and tables where possible. 25% stockpile, 25% sell. 50% disposal Skip bin collection and contractor delivery to a nearby recycling depot or transfer station
2.11 3.11	Fixed furniture and joinery	-	✓ Recycle 20%	✓Disposal 80%	Skip bin collection and contractor delivery to a nearby recycling depot or transfer station
4.0	**JUNIOR SCHOOL - VERTICAL CIRCULATION**				
4.1	Extg stair and North side landing walls. Rendered brickwork and blockwork LV-01, 00, 01, 02, 03	-	✓ Recycle where possible	✓Disposal Volume: 100m³	Recycle concrete and brick rubble where possible Skip bin collection and contractor delivery to a nearby recycling depot or transfer station
4.2	Extg stair concrete structure (steps). + landings LV-01, 00, 01, 02, 03	-	✓ Recycle where possible	✓Disposal Volume: 10m³	Recycle concrete and brick rubble where possible Skip bin/Truck collection and contractor delivery to a nearby recycling depot or transfer station

4.3	Ground excavation LV-02, -01 for new lift and stairwell	-	-	✓Disposal Volume: 200m³	50% to Cut and fill works, use part of excavated ground material where possible. 50% Contractor delivery to a nearby waste management facility or transfer station. (see locations below)
4.4	Fire hydrant piped vertical services LV -01, 00, 01, 02, 03	✓ Reuse 50% where possible	✓ Recycle 50% where possible	-	
4.5	Window walls to landing North side of extg stair LV 01,02 + 03	-	-	✓ 100% disposal Surface area: 54m²	Powder coated Aluminium frames for disposal Skip bin collection and contractor delivery to a nearby recycling depot or transfer station. (see locations below).
4.6	Doors to fire stair	-	-	✓ 100% disposal Surface area: 10m²	Solid doors for disposal Skip bin collection and contractor delivery to a nearby recycling depot or transfer station
4.7	Roof	-	✓ *Recycle*	✓ Disposal surface area: 35m²	Recycle Steel roof sheeting and steel support framing where possible. Skip bin collection and contractor delivery to a nearby recycling depot or transfer station
4.8	Ceilings: Plasterboard and other linings	-	-	✓ 100% disposal Surface area: 42m²	Skip bin collection (as per above)
4.9	Floor Coverings: Carpets, linos, tiles, timber overlay flooring	-	-	✓ 100% disposal Surface area: 42m²	Skip bin collection (as per above)
5.0	**JUNIOR SCHOOL - EAST WING** (incl. traffic and street entry gates)				
5.1	Removal of internal wall brick partitions. LV 01, 02, 03 and External walls LV 03	-	✓ Recycle 20% Volume: 14m³	✓ Disposal Volume: 54m³	Recycle where possible Skip bin/Truck collection and contractor delivery to a nearby recycling depot or transfer station
5.2	Internal structural columns	-	-	✓ Disposal	x 2 columns Level 01

5.3	External windows LV03	-	-	✓ Disposal Surface area: 13.4m²	Powder coated Aluminium frames for disposal Skip bin collection and contractor delivery to a nearby recycling depot or transfer station. (see locations below).
5.4	Roof over LV03 Gap Accommodation	-	✓ Recycle 50% Surface area: 109m²	✓ Disposal 50% Surface area: 109m²	Recycle metalwork where possible
5.5	Columns to extg LV 03 external terrace	-	-	✓ Disposal	x 8 columns Level 03
5.6	A/C rooftop plant relocation	✓ Reuse	-	✓ Disposal	Where possible, reuse any AC plant items installed within the past 5 years
5.7	Internal floor coverings	-	-	✓ Disposal Surface area: 725m²	Skip bin collection and contractor delivery to a nearby recycling depot or transfer station. (see locations below).
5.8	Ceilings: Plasterboard and other linings	-	-	✓ Disposal Surface area 725m²	Skip bin collection and contractor delivery to a nearby recycling depot or transfer station
5.9	Internal services, electrical, hydraulic + mechanical	-	✓Recycle all copper pipes and wiring	✓Disposal all plastic pipework	Recycle all metals where possible. Skip bin collection and contractor delivery to a nearby recycling depot or transfer station
5.10	Loose furniture	✓Reuse 50% sell or stockpile on campus	-	✓Disposal 50%	Reuse desk and tables where possible. 25% stockpile, 25% sell. 50% disposal. Skip bin collection and contractor delivery to a nearby recycling depot or transfer station
5.11	Fixed furniture and joinery	-	✓ Recycle 20%	✓Disposal 80%	Skip bin collection and contractor delivery to a nearby recycling depot or transfer station
9.0	**TRAFFIC & ELEVATED WALKWAY LINK BETWEEN SS & JS**				
9.1	Existing masonry wall to Vaucluse Rd. To be removed for new driveway entry	-	✓ Recycle where possible	✓Disposal Estimated total volume = 5.5m³	Recycle concrete block and brick rubble where possible Skip bin collection and contractor delivery to a

					nearby recycling depot or transfer station
9.2	Existing landscape Noviceship lawn. Ground excavation for new driveway connecting to existing internal street network	✓ Reuse elsewhere on campus where possible	-	✓Disposal Estimated total volume: = 100m^3	50% to Cut and fill works, use part of excavated ground material where possible. 50% Contractor delivery to a nearby waste management facility or transfer station. (see locations below)
9.3	Existing internal driveway Western edge and landscaping. Minor excavation for proposed student pedestrian link	✓ Reuse elsewhere on campus where possible	-	✓Disposal Estimated surface area = 150m^2 Estimated volume (assuming 300mm excavation, excluding new footing piles) = 45m^3	(as per excavation above)
9.4	Bin area removal and footing holes for proposed bridge leading across the driveway to Junior School	-	-	✓Disposal Estimated bin enclosure surface area = 20m^2 Estimated bridge footing volume = 10-15m^3	(as per excavation above)

CONSTRUCTION:

1.0	**EARLY LEARNING CENTRE (ELC) – EXTENSION BUILDING**
2.0	**JUNIOR SCHOOL - WEST WING**
3.0	**JUNIOR SCHOOL - NORTH WING**
4.0	**JUNIOR SCHOOL - VERTICAL CIRCULATION**
5.0	**JUNIOR SCHOOL – EAST WING** (incl. traffic and street entry gates)
9.0	**TRAFFIC & ELEVATED WALKWAY LINK BETWEEN SS & JS**

WASTE		REUSE	RECYCLING	DISPOSAL	METHOD
Type of waste generated		**Estimate Volume (m^3) or Weight (t)**	**Estimate Volume (m^3) or Weight (t)**	**Estimate Volume (m^3) or Weight (t)**	**Method of onsite reuse, contractor and recycling outlet and / or waste depot to be used.**
A	Sanding dust for walls, ceilings and floor surface preparation	-	-	✓	Skip bin collection and contractor delivery to a nearby recycling depot or transfer station. (see locations below)
B	Concrete slabs, beams and columns	✓	✓	✓	Skip bin collection and contractor delivery to a nearby recycling depot or transfer station. (see locations below) - Formwork disposal & reuse recycle - Reinforcement offcuts (recycle)
C	Masonry walls: Bricks, Blocks, Stone	✓	✓	✓	Skip bin collection and contractor delivery to a nearby recycling depot or transfer station. (see locations below)
D	Misc. construction materials	✓	✓	✓	Skip bin collection and contractor delivery to a nearby recycling depot or transfer station. (see locations below)
E	New Paint:	-	-	✓ minimal	Skip bin collection and contractor delivery to a nearby recycling depot or transfer station. (see locations below)
F	New Fixtures + Fittings: Packaging only	-	-	✓ minimal	Skip bin collection and contractor delivery to a nearby recycling depot or transfer station. (see locations below)

G	New Floor Coverings: Carpet wastage, timber or tile overlay flooring	-	✓	✓10% floor area	Skip bin collection and contractor delivery to a nearby recycling depot or transfer station. (see locations below)
H	New furniture: Packaging only	-	-	✓ minimal	Skip bin collection and contractor delivery to a nearby recycling depot or transfer station. (see locations below)
I	Joinery off cuts (Assembly only as joinery constructed off site)	-	✓	✓ Minimal.	Skip bin collection and contractor delivery to a nearby recycling depot or transfer station. (see locations below)
J	New services: - Mechanical - Hydraulic - Electrical - Data, comms, security	✓	✓	✓ minimal	Skip bin collection (*as per above).* Recycling and reuse of metal items, i.e. copper and steel
K	Carpentry -internal partitions	-	-	✓ minimal	Skip bin collection (*as per above)*
L	Window fabrication (assembly install only as fabricated off site)	-	-	✓ Minimal.	Skip bin collection (*as per above)*
M	New roof sheeting and structure	-	✓	✓ Minimal.	Skip bin collection (*as per above)* Recycling and reuse of metal items, i.e. steel
N	New external cladding	-	-	✓	✓ Minimal.
O	New external rainscreen	-	-	✓	✓ Minimal.
P	New external terrace paving	✓	✓	✓	Skip bin collection and contractor delivery to a nearby recycling depot or transfer station. (see locations below)
Q	New external roof terrace paving and membranes	✓	✓	✓	Skip bin collection (*as per above)*
R	New external steel balustrades to elevated walkway link		✓		Skip bin collection (*as per above)*
S	New hardwood decking to elevated walkway	✓reuse some of the decking from the ELC ramp that is to be demolished if possible	✓recycle offcuts	✓	Skip bin collection (*as per above)*

T	New external masonry/stone/brick pavers	-	-	✓ minimal	Skip bin collection (*as per above)*
U	Concrete, external paving, steps and driveways	-	-	✓ minimal	Skip bin collection (*as per above)*
V	New civil drainage lines and in-ground services	-	-	✓ minimal	Skip bin collection (*as per above)*

LOCATIONS:

Local Transfer Stations	Alexandria Transfer Station (St. Peters) + Rockdale Resource Recovery Centre
Recycling outlet	Chullora Resource Recovery Park
Landfill depot	Lucas Heights Waste Management Facility
Asbestos landfills	Alexandria Transfer Station + Lucas Heights Waste Management Facility
Skip Bins	Bin hire from local companies such as Aussie Skips Australia Pty Ltd, Brown Bros Skip Bins, Auscorp Waste (trading as Busy Bins)
On site storage	Designated controlled storage rooms with school campus
Second hand selling	Online selling through EBAY auctions or Gumtree classifieds.

ONGOING OPERATION:

The volume of waste expected to be generated within Precinct A at the ELC & Junior School will have minimal impact or increase to the daily waste generation of the whole school campus.

Waste management is to be continued in accordance with the school's waste management policies.

To

Terry Mahady - MAHADY MANAGEMENT

Copy to

KINCOPPAL - ROSE BAY

From | Date

BVN | 24 May 2021 – Revision B

Subject

KINCOPPAL-ROSE BAY - SEARS - PRECINCT B SWMMP – Revision B

ADDRESS: 2 Vaucluse Road, Rose Bay NSW 2029

SITE WASTE MINIMISATION & MANAGEMENT PLAN

PRECINCT B.

6. SS – Main Entry + Admin
7. SS – Main Entry Forecourt + Landscape
8. SS - YR 8
9. Traffic - Precinct A
10. Traffic – Driveway
11. *SS – Circulation hub (concept only stage-not required for this report)*
12. *SS – Hughes Centre (concept only stage-not required for this report)*
13. SS – Car / Bus Carpark

DEMOLITION:

WASTE		REUSE	RECYCLING	DISPOSAL	METHOD
Type of waste generated		Estimate Volume (m^3) or Weight (t)	Estimate Volume (m^3) or Weight (t)	Estimate Volume (m^3) or Weight (t)	Method of onsite reuse, contractor and recycling outlet and/or waste depot to be used.
6.0	**SENIOR SCHOOL: MAIN ENTRY + ADMINISTRATION**				
6.1	Removal of existing internal partition walls	-	✓ 25% recycle Volume 4.25m^3	✓ 75% disposal Volume 12.75m^3	Recycle any brick rubble where possible. Skip bin collection and contractor delivery to a nearby recycling depot or transfer station. (see locations below).
6.2	Removal of existing door sets and associated side panelling	✓ Reuse Total estimated surface area 30.0m^2	✓ Recycle Total estimated surface area 30.0m^2	✓ Disposal Total estimated surface area 30.0m^2	Reuse or stockpile any heritage door sets for future use. Recycle any solid timber door sets with no heritage significance Skip bin collection and contractor delivery to a nearby recycling depot or transfer station. (see locations below).
6.3	Existing floor coverings	-	-	✓ Disposal Surface area Carpet 300m^2 Timber 26m^2	Skip bin collection and contractor delivery to a nearby recycling depot or transfer station

6.4	Reception counter, fixed desk and shelving	-	✓ Recycle 20%	✓Disposal 80%	Skip bin collection and contractor delivery to a nearby recycling depot or transfer station
6.5	Loose Furniture. Chairs, tables, cabinets	✓Reuse 50% sell or stockpile on campus	-	✓Disposal 50%	Skip bin collection and contractor delivery to a nearby recycling depot or transfer station. Alternatively, the chairs and tables could be sold on as second-hand goods or used elsewhere within the school grounds.
6.6	Fixtures + Fittings. AC mechanical plant, light fittings,	-	-	✓	Skip bin collection and contractor delivery to a nearby recycling depot or transfer station.
7.0	**SENIOR SCHOOL: MAIN ENTRY FORECOURT + LANDSCAPE**				
7.1	Removal of existing open brick drain and concrete paved driveway surfaces	-	✓ Recycle	✓ Disposal Volume 154m³ *[*NOTE: This volume is inclusive of the front portion of driveway associated with Project #10 - Driveway]*	Recycle concrete rubble where possible. Skip bin collection and contractor delivery to a nearby recycling depot or transfer station. (see locations below).
7.2	Removal of existing landscape surfaces	-	-	-	Refer to Landscape Architects documentation
8.0	**SENIOR SCHOOL: YEAR 08 - LEARNING SPACES**				
8.1	Level 03 - internal partition walls and associated linings	-	✓ 25% recycle Volume 2.5m³	✓ 75% disposal Volume 7.5m³	Recycle any brick rubble where possible. Skip bin collection and contractor delivery to a nearby recycling depot or transfer station. (see locations below).
8.2	Level 03 - external wall - West + East	-	✓ 25% recycle Volume 2.9m³	✓ 75% disposal Volume 8.6m³	Recycle brick rubble where possible. Skip bin collection and contractor delivery to a nearby recycling depot or transfer station. (see locations below).
8.3	Existing floor coverings	-	-	✓ Disposal Surface area	Skip bin collection and contractor delivery to a nearby

				180m²	recycling depot or transfer station
8.4	Existing ceilings	-	-	✓ Disposal Surface area 180m²	Skip bin collection and contractor delivery to a nearby recycling depot or transfer station
8.4	Existing lockers, fixed furniture and joinery	-	✓ Recycle 20%	✓Disposal 80%	Skip bin collection and contractor delivery to a nearby recycling depot or transfer station
8.5	Loose furniture	✓Reuse 50% sell or stockpile on campus	-	✓Disposal 50%	Skip bin collection and contractor delivery to a nearby recycling depot or transfer station Alternatively, the chairs and tables could be sold on as second-hand goods or used elsewhere within the campus
8.6	External Glazed doors and windows	-	✓ Recycle 20%	✓Disposal 80% Total estimate surface area = 38.5m²	Skip bin collection and contractor delivery to a nearby recycling depot or transfer station. (see locations below).
8.7	Internal doors	-	-	✓Disposal 100% Surface area 10.0m²	Skip bin collection and contractor delivery to a nearby recycling depot or transfer station. (see locations below).
8.8	Existing East side roof for removal -Roof sheeting -Lightweight roof framing	-	✓ Recycle 20%	✓Disposal 80% Total Surface area 104m²	Recycle Steel roof sheeting and steel support framing where possible. Skip bin collection and contractor delivery to a nearby recycling depot or transfer station
8.9	Existing West side roof – safety balustrade behind brickwork parapet wall - Membrane rubber roof	-	✓ Recycle 100% steel safety railing 42.5lm	✓Disposal 100% Membrane roof total Surface area 104m²	Recycle Steel balustrade where possible. Skip bin collection and contractor delivery to a nearby recycling depot or transfer station
8.10	Fixtures + Fittings.	-	-	✓	Skip bin collection and contractor delivery to a nearby

13.5	Existing timber, lattice, metal fencing and metal garden shed	✓ Reuse garden shed. Relocate elsewhere on lower part of campus site	✓ Recycle any fence metals where possible	✓ Disposal 100% of fencing 32.0 lm	Skip bin collection and contractor delivery to a nearby recycling depot or transfer station
13.6	Existing landscape beds and tree Removal	-	-	-	Refer to Landscape Architects documentation
13.7	Earth removal and ground excavation	✓ Reuse excavate fill where possible elsewhere on campus	-	✓ Disposal Estimated 2880m^3 excavation total volume	20% to Cut and fill works, reuse part of excavated ground material where possible. 80% Contractor delivery to a nearby waste management facility or transfer station. (see locations below)

CONSTRUCTION:

6.0	**SENIOR SCHOOL: MAIN ENTRY + ADMINISTRATION**
7.0	**SENIOR SCHOOL: MAIN ENTRY FORECOURT + LANDSCAPE**
8.0	**SENIOR SCHOOL: YEAR 08 – LEARNING SPACES**
10.0	**TRAFFIC – DRIVEWAY**
13.0	**SENIOR SCHOOL: CAR / BUS CARPARK**

WASTE		REUSE	RECYCLING	DISPOSAL	METHOD
Type of waste generated		**Estimate Volume (m^3) or Weight (t)**	**Estimate Volume (m^3) or Weight (t)**	**Estimate Volume (m^3) or Weight (t)**	**Method of onsite reuse, contractor and recycling outlet and .or waste depot to be used.**
A	Sanding dust for walls, ceilings and floor surface preparation	-	-	✓	Skip bin collection and contractor delivery to a nearby recycling depot or transfer station. (see locations below)
B	New Paint	-	-	✓ minimal	Skip bin collection (*as per above).*
C	New Fixtures + Fittings: Packaging only	-	-	✓ minimal	Skip bin collection (*as per above).*
D	New furniture: Packaging only	-	-	✓ minimal	Skip bin collection (*as per above).*
E	Joinery off cuts (Assembly only as joinery constructed off site)	-	✓	✓ Minimal.	Skip bin collection (*as per above).*
F	New services: - Mechanical - Hydraulic - Electrical - Data, comms, security	✓	✓	✓ minimal	Skip bin collection (*as per above).* Recycling and reuse of metal items, i.e. copper and steel
G	Carpentry -internal partitions	-	-	✓ minimal	Skip bin collection (*as per above)*

H	Concrete, external paving, steps and driveways	-	-	✓ minimal	Skip bin collection (*as per above)*
I	New garden walls and external seating Bricks and sandstone	-	✓	✓ Minimal.	Skip bin collection (*as per above)*
J	New external masonry/stone/brick pavers	-	✓	✓ Minimal.	Skip bin collection (*as per above)*
K	Window fabrication (assembly install only as fabricated off site)	-	-	✓ Minimal.	Skip bin collection (*as per above)*
L	New external slate Roofing	-	-	✓ Minimal.	Skip bin collection (*as per above)*
M	New masonry external walls. Brickwork (Year 08) Blockwork + concrete (Bus / Carpark)	-	-	✓ Minimal.	Skip bin collection (*as per above)*
N	New external timber screening (Bus/Carpark)	-	✓	✓ Minimal.	Skip bin collection (*as per above)*
O	New civil drainage lines	-	-	✓ Minimal.	Skip bin collection (*as per above)*
P	New structural columns, beams + slabs, retaining walls including formwork	-	-	✓ Minimal.	Skip bin collection (*as per above)*

LOCATIONS:

Local Transfer Stations	Alexandria Transfer Station (St. Peters) + Rockdale Resource Recovery Centre
Recycling outlet	Chullora Resource Recovery Park
Landfill depot	Lucas Heights Waste Management Facility
Asbestos landfills	Alexandria Transfer Station + Lucas Heights Waste Management Facility
Skip Bins	Bin hire from local companies such as Aussie Skips Australia Pty Ltd, Brown Bros Skip Bins, Auscorp Waste (trading as Busy Bins)
On site storage	Designated controlled storage rooms with school campus
Second hand selling	Online selling through EBAY auctions or Gumtree classifieds.

ONGOING OPERATION:

The volume of waste expected to be generated within Precinct B will have minimal impact or increase to the daily waste generation of the whole school campus.

Waste management is to be continued in accordance with the school's waste management policies.