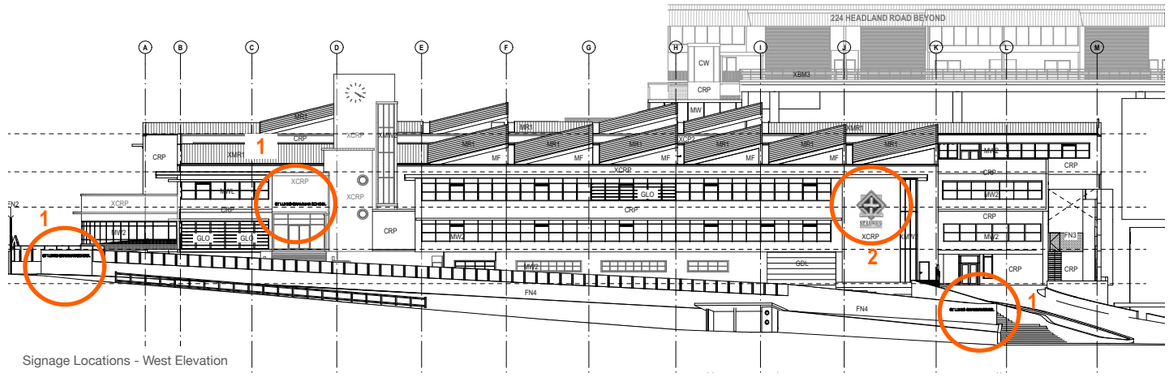


Signage Locations - West Elevation

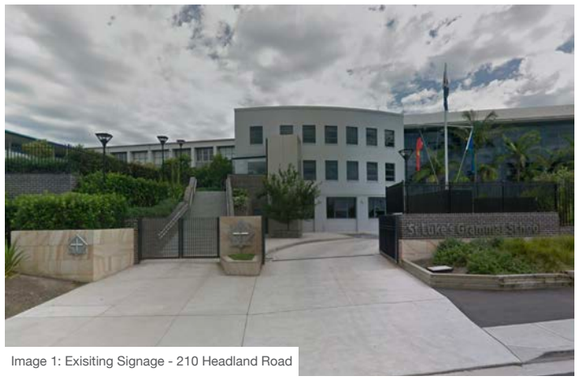


Image 1: Exisiting Signage - 210 Headland Road

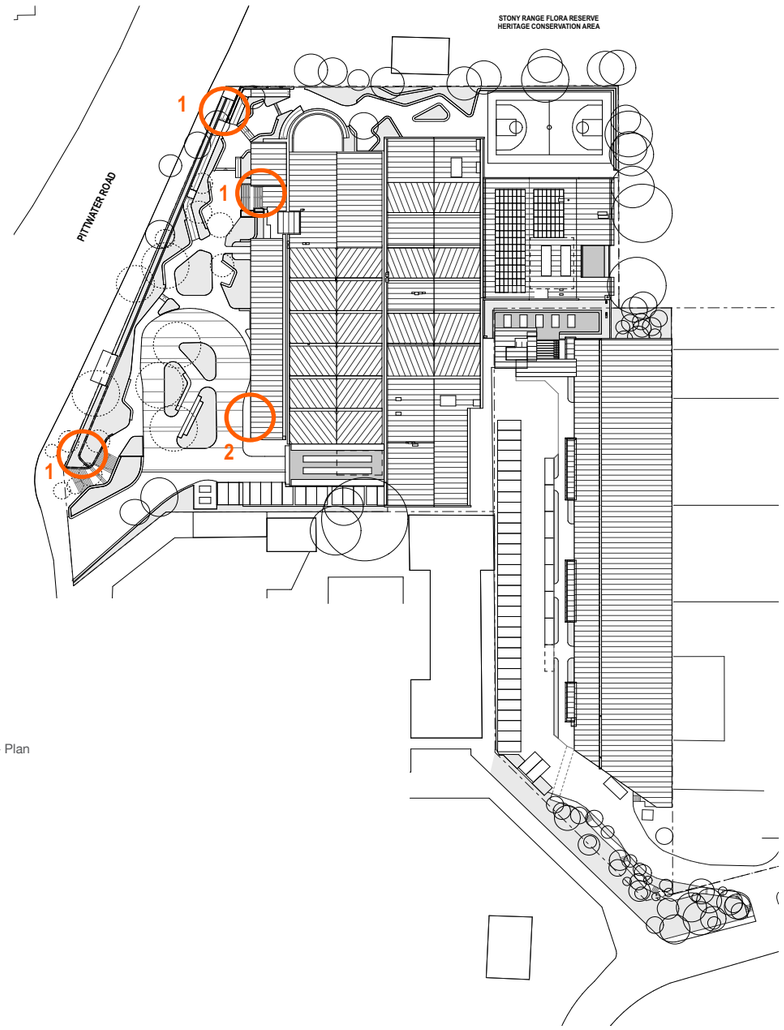
6.15 Signage

The proposed signage is modelled on the existing Campus signage at 210 Headland Road.

Signage type 1 is comprised of individual metal lettering only. Text content to be “St. Luke’s Grammar School”.

Signage type 2 is comprised of individual metal lettering “St. Luke’s Grammar School” and the St. Luke’s “Christ Our light” symbol.

All proposed signage to be permanent school identification signage fabricated from clear finished stainless steel plate.

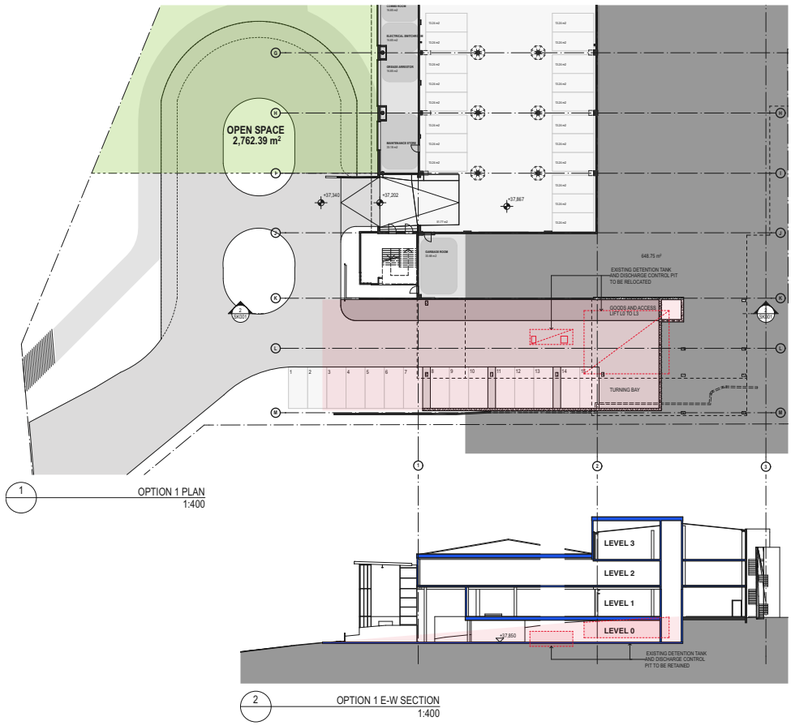


Signage Locations - Plan

Image 2: Signage Type 2

CHRIST OUR LIGHT
ST LUKE'S
GRAMMAR SCHOOL

Image 3: Signage Type 1

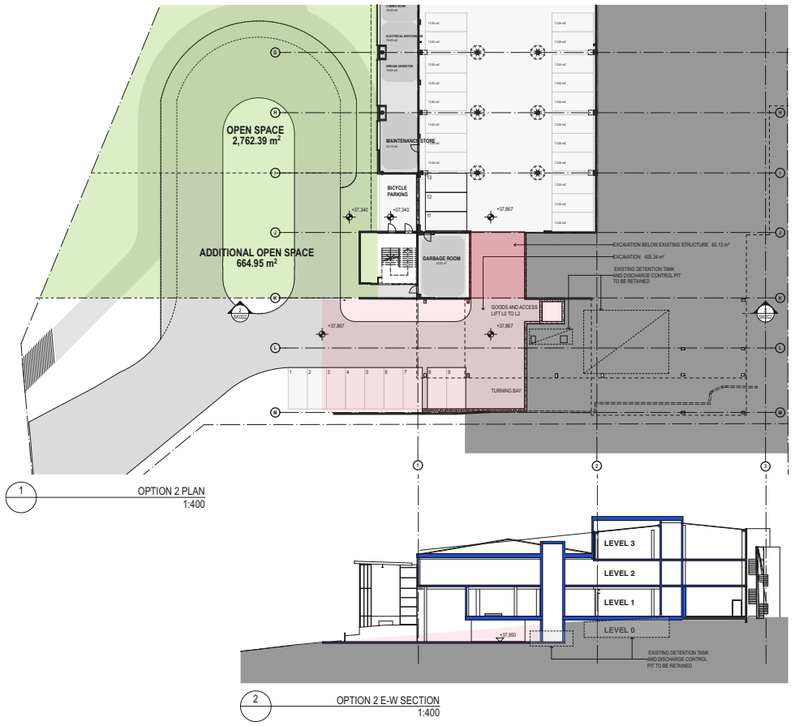


1 OPTION 1 PLAN
1:400

2 OPTION 1 E-W SECTION
1:400

CAR PARK ENTRY OPTIONS

	OPTION 1	OPTION 2
CAR PARKING	15	9 (external)+ 3 (internal)
OPEN SPACE	2,762 m2	3,427 m2
OSD TANKS	to be relocated	to be retained
LIFT	to service L0 - L3	to service L0 - L2
EXCAVATION	627 m2	470 m2 (incl. 65m2 below existing structure



1 OPTION 2 PLAN
1:400

2 OPTION 2 E-W SECTION
1:400

CAR PARK ENTRY OPTIONS

	OPTION 1	OPTION 2
CAR PARKING	15	9 (external)+ 3 (internal)
OPEN SPACE	2,762 m2	3,427 m2
OSD TANKS	to be relocated	to be retained
LIFT	to service L0 - L3	to service L0 - L2
EXCAVATION	627 m2	470 m2 (incl. 65m2 below existing structure

6.16 Carpark Entrance

Multiple car park options have been investigated to minimise the impact of the vehicle movement on site during the day.

Option 1

- Existing car park entry to be retained.
- Extensive excavation to south to provide additional car parking spots.
- Demolition of the existing stormwater detention tank
- A large portion of the western open space is permanently taken up by the driveway access to the basement carpark.

Option 2

- Existing car park entry to be closed off and re-purposed for under cover bicycle parking.
- New carpark entry from the south to allow for the extension of the open space outside drop-off and pick-up hours.
- Less extensive excavation to south to provide additional car parking spots.
- Existing stormwater detention tank to be retained.
- A large portion of the western open space is now available for use as playground space.

Option 2 was the preferred option and was further developed.

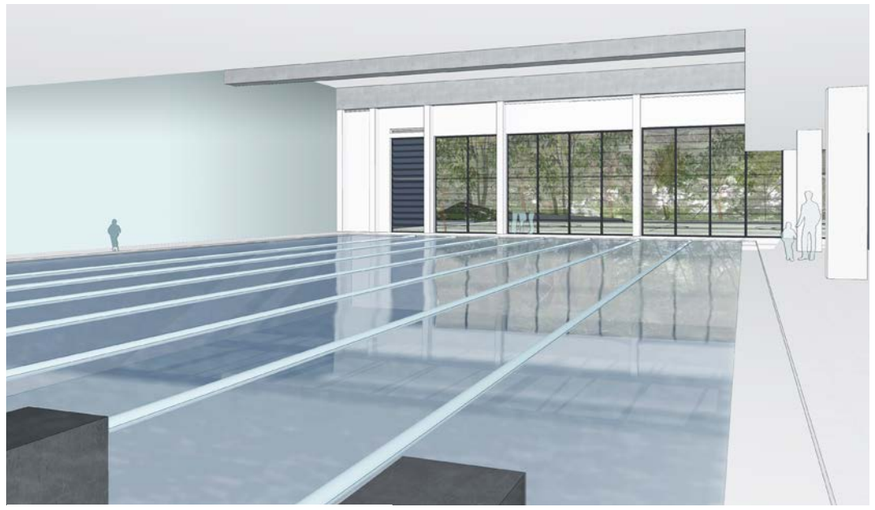
Refer to the Architectural drawings for more detail.

6.17 Internal View Study

View of the 'Village Centre' - Looking from South to North

View of the Auditorium

View of the 'Village Centre' showing an earlier option with coloured walls and non-preferred skylight option.



View of the Swimming Pool

View of the 'Village Centre' showing the proposed option.

6.18 External View Study

View from Pittwater Road


ST. LUKES GRAMMAR SCHOOL

View into the pool and games court.

View into the auditorium and northern playground.

View of the car park entry and the new addition to the south.

View from south-west.

7.0

Design
224 Headland Road

View of the proposed link building with lift access

View of the roof terrace, social stair and vertical connection.

View of the Basketball Centre, the link building and roof terrace

View from the South.

7.1 Architectural Design Statement

The building has been designed to provide a functional fit-out with minimal impact on the building envelope.

The two new full-size basketball courts have been designed for training purposes with ample run-off space and space to set-up team benches.

The existing windows and roller doors are proposed to be retained to provide natural light and the natural ventilation.

A new pit-less and overhead-less lift is proposed to be inserted within the existing building envelope to provide accessible access to the school clothing store on level 1.

View of the proposed basketball courts with new steel trusses.

View from the proposed entrance lobby.

View of the proposed entrance lobbies.

7.2 Structural Design Statement

Existing Structure

- The existing building structure was constructed as individual industrial units with each having an office mezzanine and adjacent warehouse space.
- The mezzanine comprises a concrete slab structure supported on concrete columns and masonry.
- The roof structure is structural steel and is supported on the concrete mezzanine and by steel columns within the intertenancy walls.

Proposed Structure

- Removal of the mezzanine and intertenancy walls to create the open space required removes the existing column supports for the roof.
- It is proposed that the existing roof beams are incorporated in a new roof truss system that spans the entire width of the modified building, with the new system installed prior to removal of the existing supports. (refer SK/ H1 and H2 for concepts).
- Additional lateral bracing is provided by the introduction of a new bracing truss on the Western side of the building.
- The existing “pop out” portions of the mezzanine structure will be supported onto new columns.

Construction Constraints

- Retaining the existing roof and roof structure will limit material handling.
- The strengthening of the existing beams will need to be carried out by site-based fabrication
- Construction vehicle access will need to be restricted to the non-suspended portions of the carpark and access way unless additional verification of the suspended structure is carried out.

[1]

1 Source : SDA Structures, Andrew Simpson

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tzg.com.au