



SYDNEY INTERNATIONAL CONVENTION, EXHIBITION AND ENTERTAINMENT
PRECINCT (SICEEP)

THE HAYMARKET STAGE 2 STATE SIGNIFICANT DEVELOPMENT APPLICATION
(SSDA5)

Annexure F: Macarthur Street Connection

Date: 14.02.2014

DRAWING NUMBER + TITLE

13020-LDA01 Context Plan/ Project Objectives

13020-LDA02 Site Links Plan

13020-LDA03 Detailed Site Links Plan

13020-LDA04 Site Context Plan

13020-LDA05 Detail Plan

13020-LDA06 Sections and Precedents

13020-LDA07 Visualisations

13020-LDA08 Macarthur Street Future Planning

(for reference only)

DESIGN TEAM:
ASPECT STUDIOS, Landscape Architecture, Lead Consultant
CHOI ROPIHA FIGHERA, Architects
GCA Structural Engineers
MORRIS GODING, Access

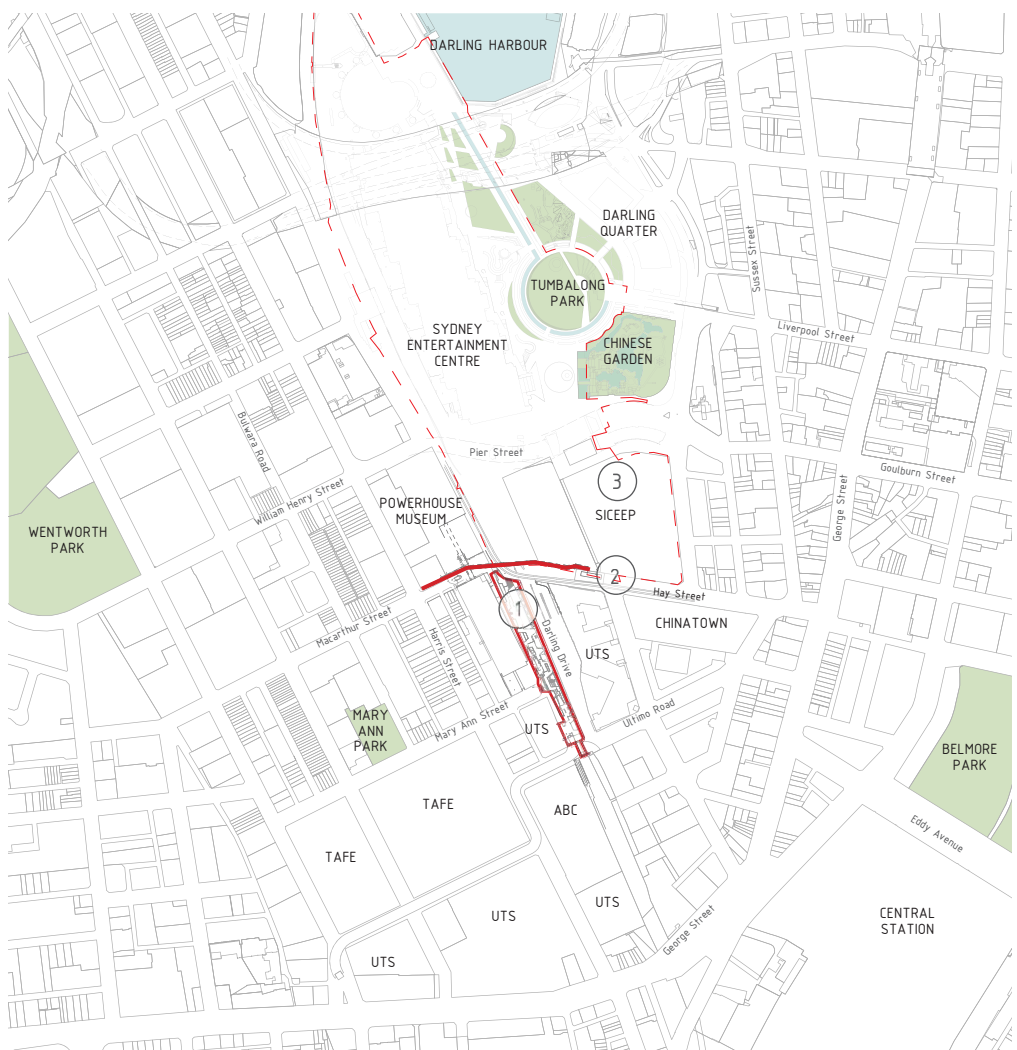
PROJECT OBJECTIVES – MACARTHUR STREET CONNECTION

The project objective is to maintain and enhance all abilities access from The Powerhouse Museum to Darling Drive. The project calls for a design of a lift and stairs which will land at the northern most point of The Goods Line, with all abilities access provided by The Goods Line project. The project scope includes the part demolition of the elevated walkway, maintaining a portion from the Powerhouse Museum to the new lift and stair (the elevated walkway currently extends from the Powerhouse Museum to the south western edge of the Entertainment Centre, whilst installing a new lift and stairs providing the all abilities access to the Goods Line (by others) from the retained structure. The Goods Line incorporates both a DDA compliant ramp and stairs down to Darling Drive where a new crossing provides pedestrian and cycle access into the broader Haymarket area and beyond to Darling Harbour.

A range of site constraints and engineering constraints have influenced the proposed design. The major constraints are a stormwater easement, proximity to light rail, various ownership boundaries and integration with the existing structures. The stairs and lift are positioned so that no built structures are on Powerhouse Museum owned land. The stair and lift land wholly on Railcorp land (refer site context plan on LDA-03). Two structural columns have been designed to support the bridge, with the new stair and lift offering additional stiffening.

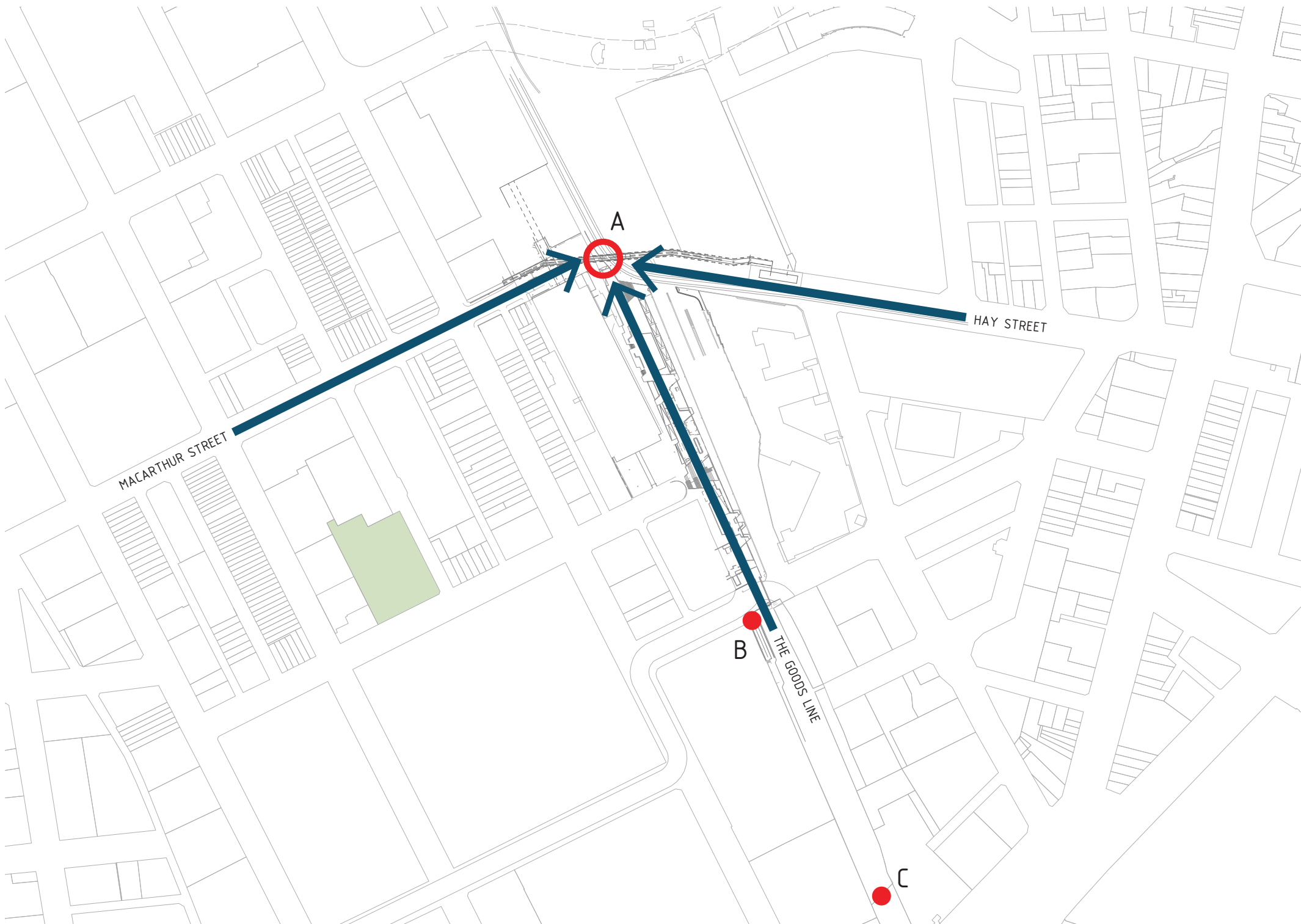
The key opportunity for the project (beyond delivering all abilities access) is to create an urban marker with a strong capacity to deliver wayfinding both from The Goods Line in the south to MacArthur Street in the West and Quay Street in the east.

It is proposed that this project will be a temporary solution which provides all abilities access, with a potential for an end state solution incorporating a redesigned Macarthur Street and an appropriate Powerhouse Museum interface. A preliminary proposal for this has been shown on the final page of this application, however this application is not seeking consent for these works.



PRECINCT / CONTEXT PLAN 1:5000 @A1

1. THE GOODS LINE
2. ELEVATED WALKWAY
3. SICEEP (boundary shown dashed)



SIGHT LINES AND VT PLAN 1:2500 @A1

A – PROPOSED LIFT ACCESS: TGL NORTH / SICEEP / POWERHOUSE

B+C – PROPOSED LIFT ACCESS FOR TGL SOUTH

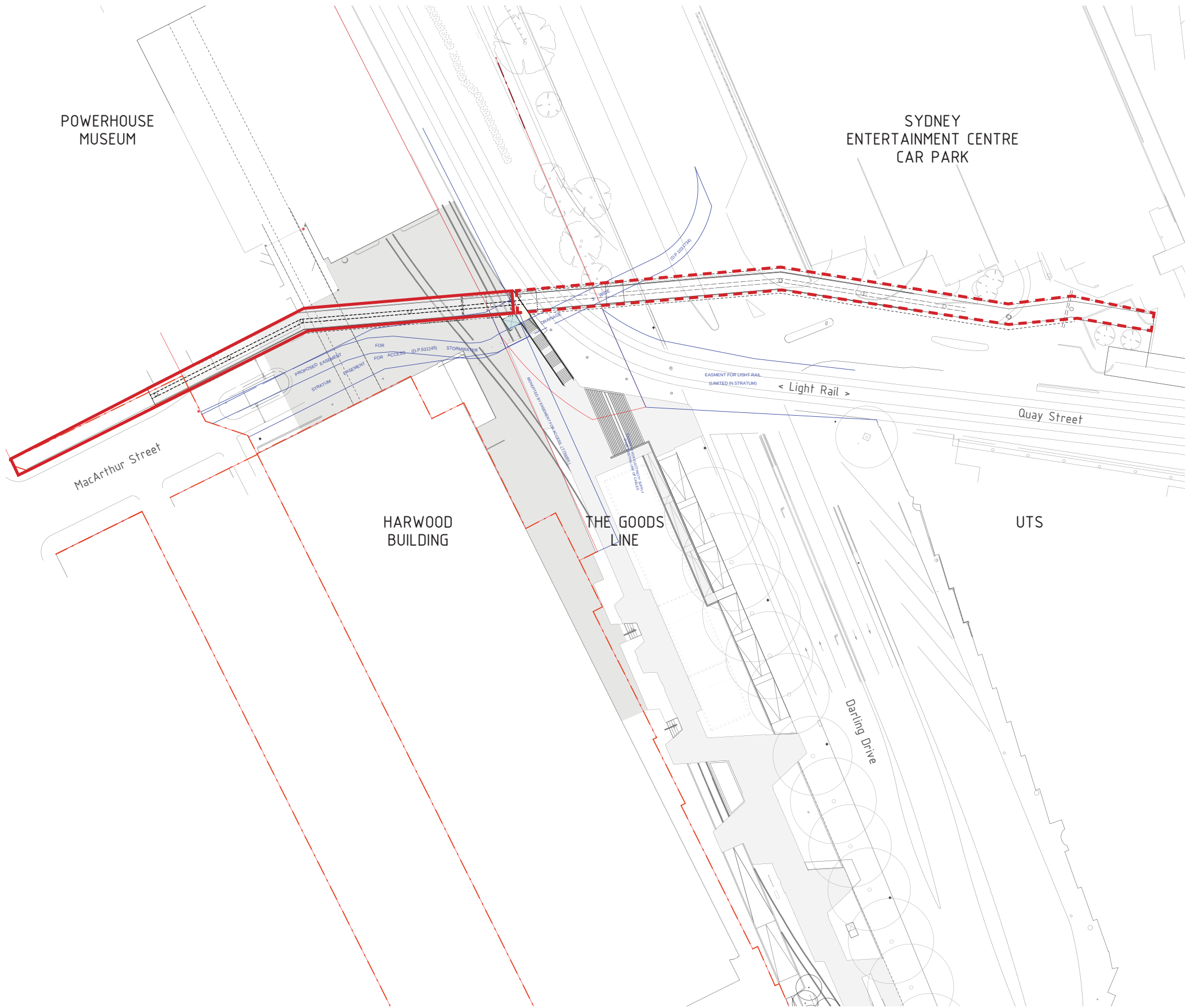
The new lift and stairs provides additional vertical transport along The Goods Line (north and south), building upon the other vertical transport nodes proposed. It is important that the lifts themselves become a series of ‘urban markers’, which are similar in form providing a point of familiarity throughout and a clear point to access The Goods Line from street level.



PROPOSED CYCLE/ PEDESTRIAN LINKS

KEY

	CITY OF SYDNEY CYCLEWAY / SHAREWAY
	NEW CYCLE LINKS
	NEW PEDESTRIAN LINKS
	NEW PEDESTRIAN DDA COMPLIANT LINK
	CROSSING UNDER TGL DA



SITE CONTEXT PLAN (EXISTING) 1:400@A1

- PORTION OF BRIDGE TO BE RETAINED
- PORTION OF BRIDGE TO BE REMOVED
- BOUNDARIES
- EASEMENTS / PROPOSED EASEMENTS



EXISTING CONDITIONS VIEW NORTH



EXISTING CONDITIONS DETAIL VIEW OF UNDERSIDE



EXISTING CONDITIONS VIEW EAST



EXISTING CONDITIONS VIEW WEST

SITE CONTEXT PLAN

SICEEP VERTICAL TRANSPORT AT MACARTHUR ST

ASPECT Studios™

Client :



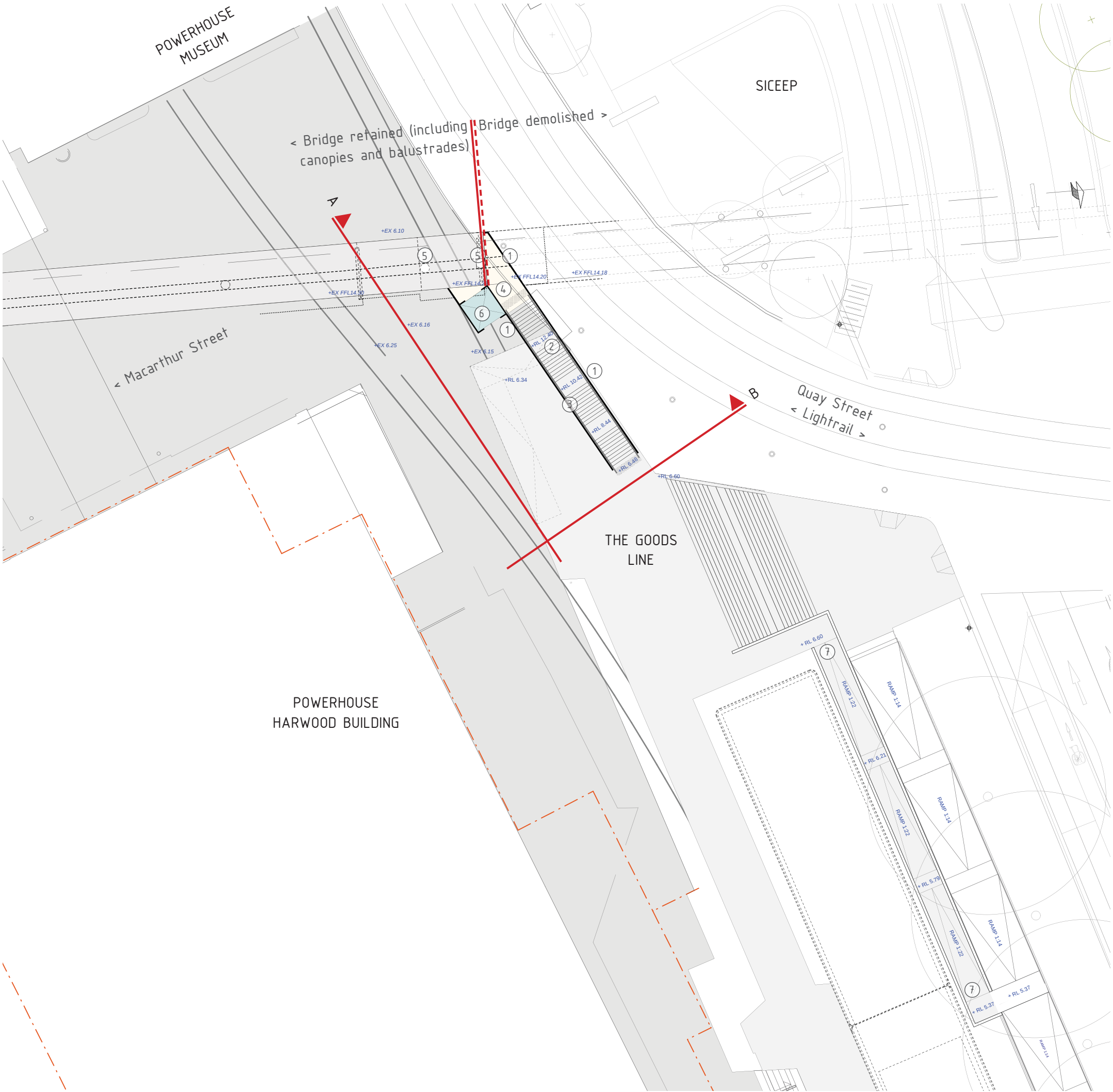
Dwg no. : 13020-LDA04 Site Context Plan

Scale : 1:400@A1



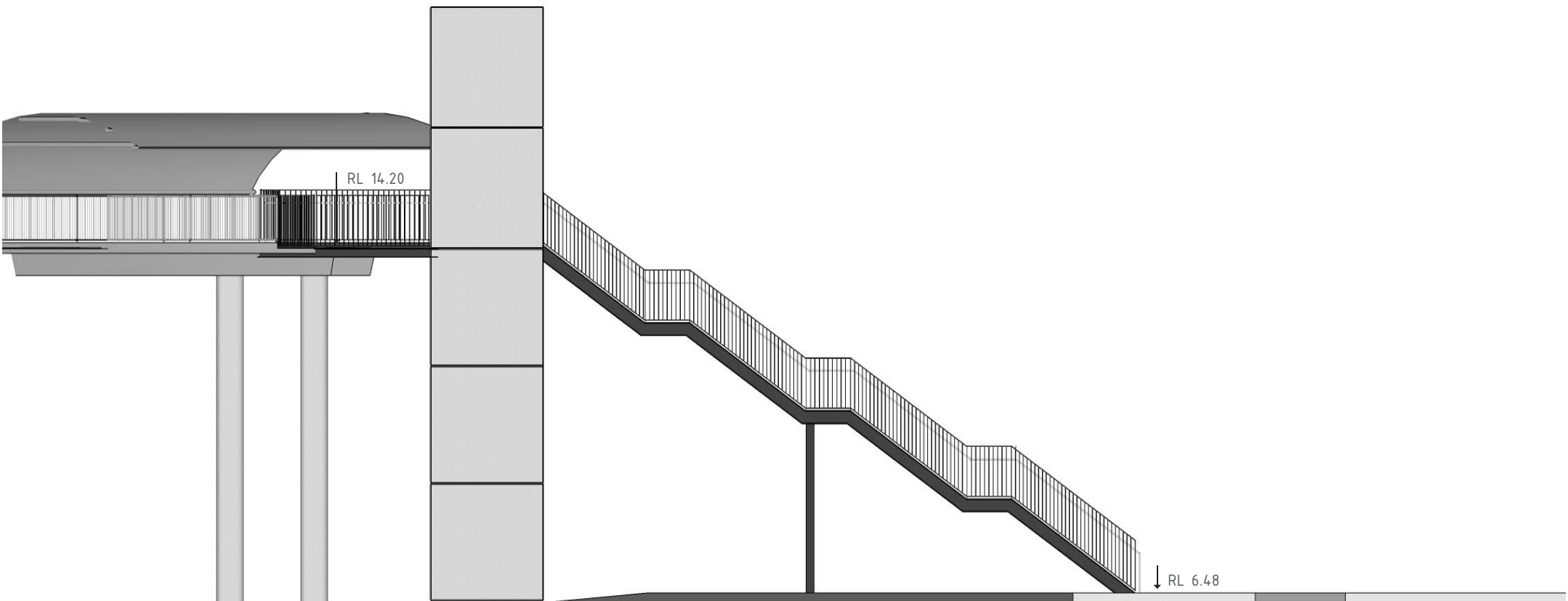
Date : Feb 2014

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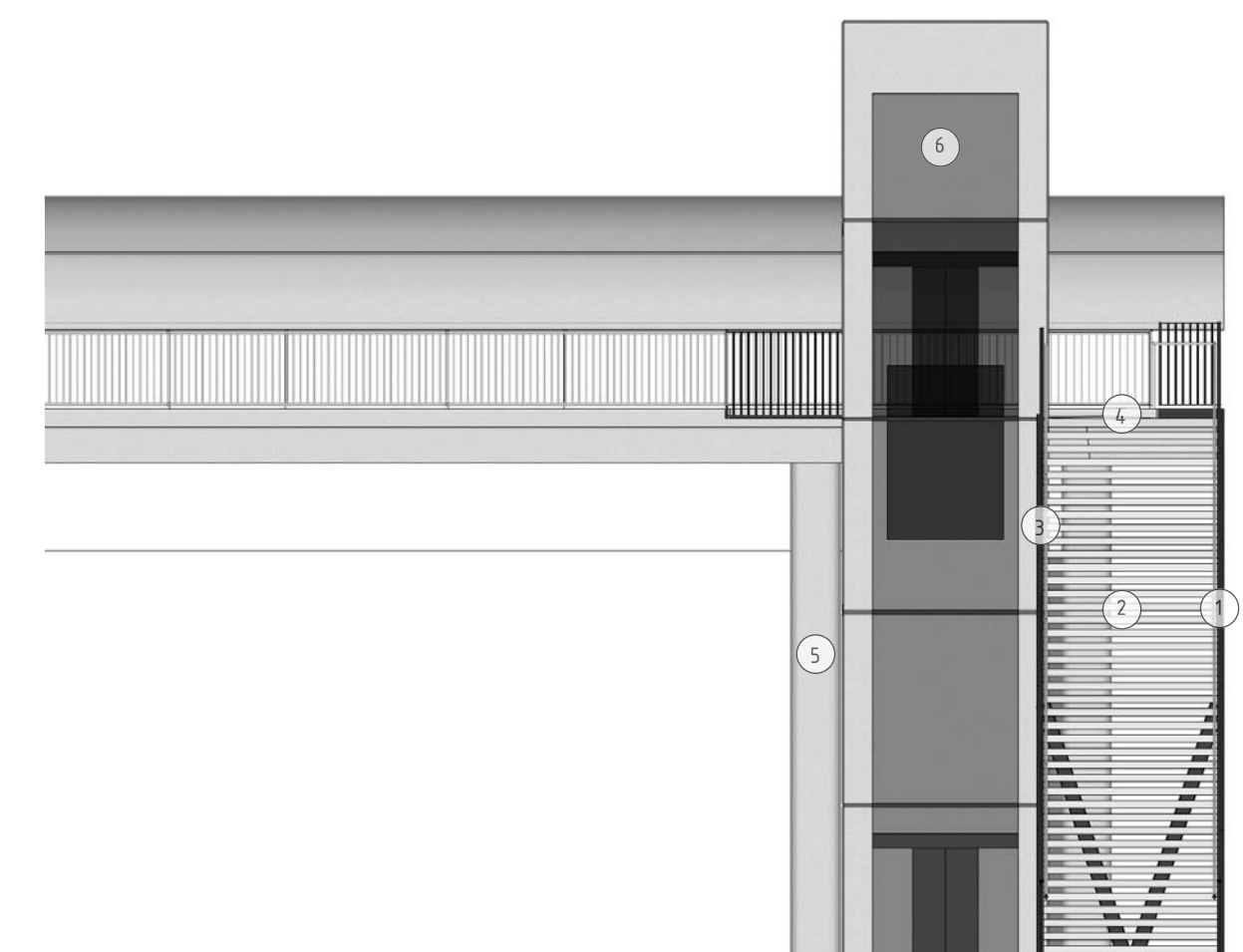


DETAIL PLAN 1:150@A1

- KEY
- 1. Structural steel frame - stairs
 - 2. Precast concrete treads and landings
 - 3. Steel balustrade and handrail
 - 4. Mesh top landings (fixed to existing bridge)
 - 5. New in situ concrete columns
 - 6. Precast lift shaft with glazed southern elevation and northern entry/ exit elevation
 - 7. Insitu 1:22 switch back ramp



SECTION A



SECTION B

- KEY
- 1. Structural steel frame - stairs
 - 2. Precast concrete treads and landings (stairs 2000mm width)
 - 3. Steel balustrade and handrail
 - 4. Mesh top landings (fixed to existing bridge)
 - 5. New in situ concrete columns
 - 6. Precast lift shaft with glazed southern elevation and northern entry/ exit elevation (lift shaft 2700mm x 2700mm)

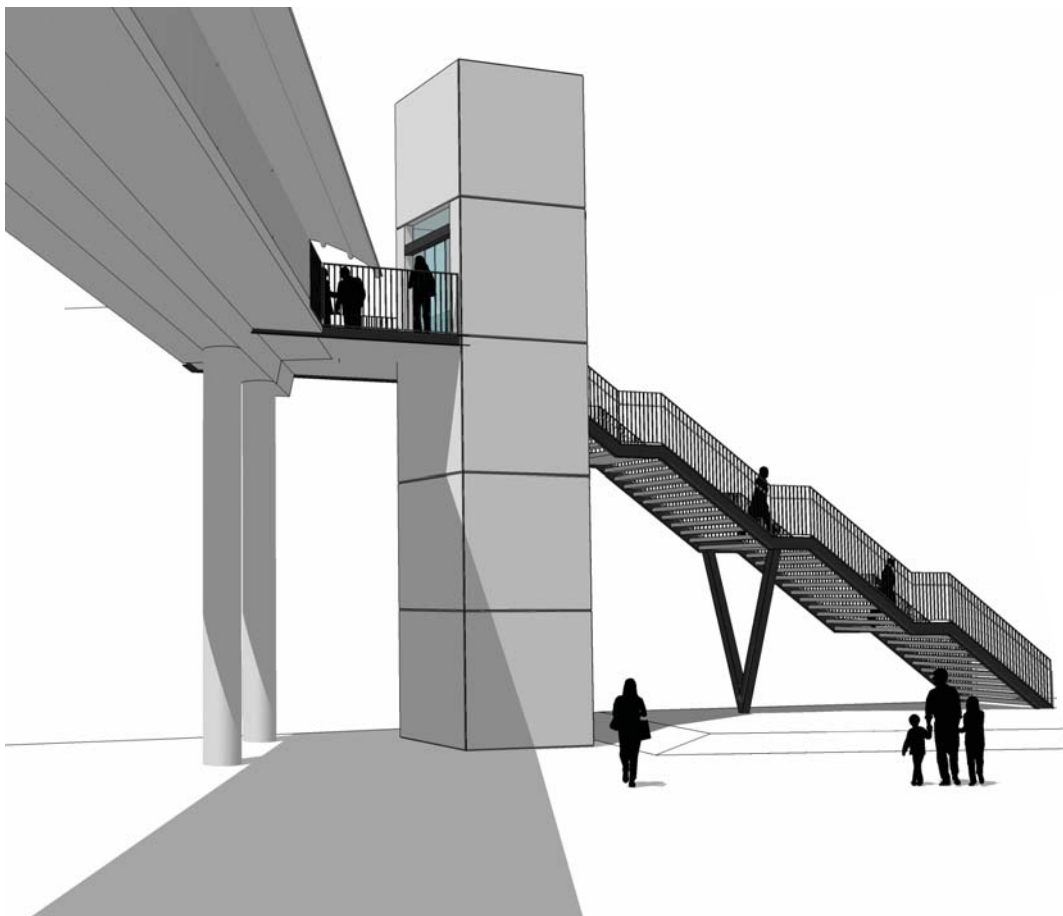
PRECEDENT IMAGES



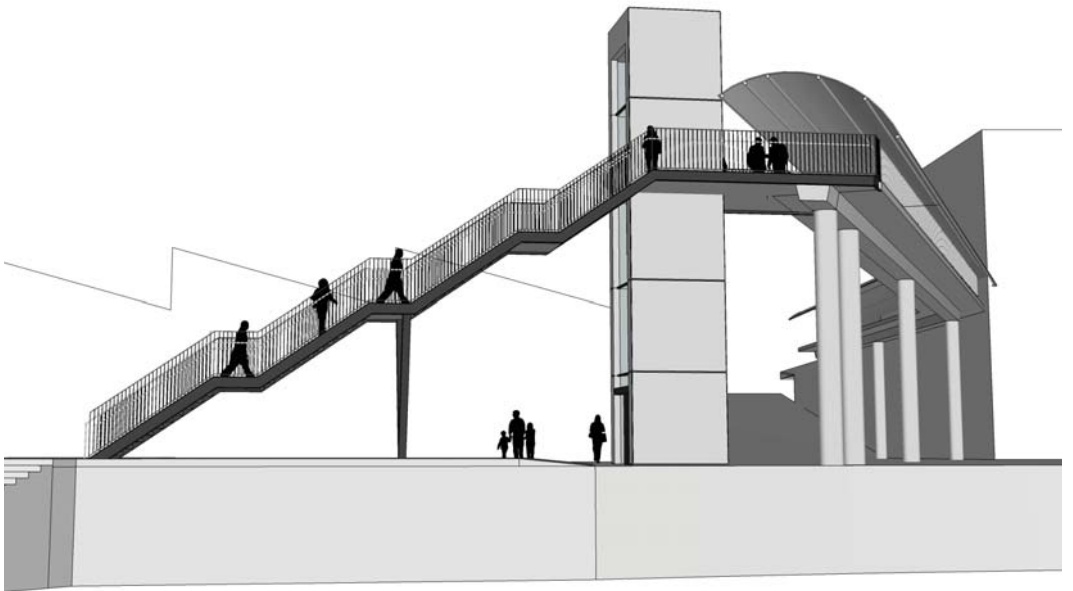
SITE SECTIONS AND PRECEDENT IMAGES



VIEW 01. LOOKING NORTH FROM THE GOODS LINE



VIEW 03. FROM MACARTHUR STREET (BOTTOM)

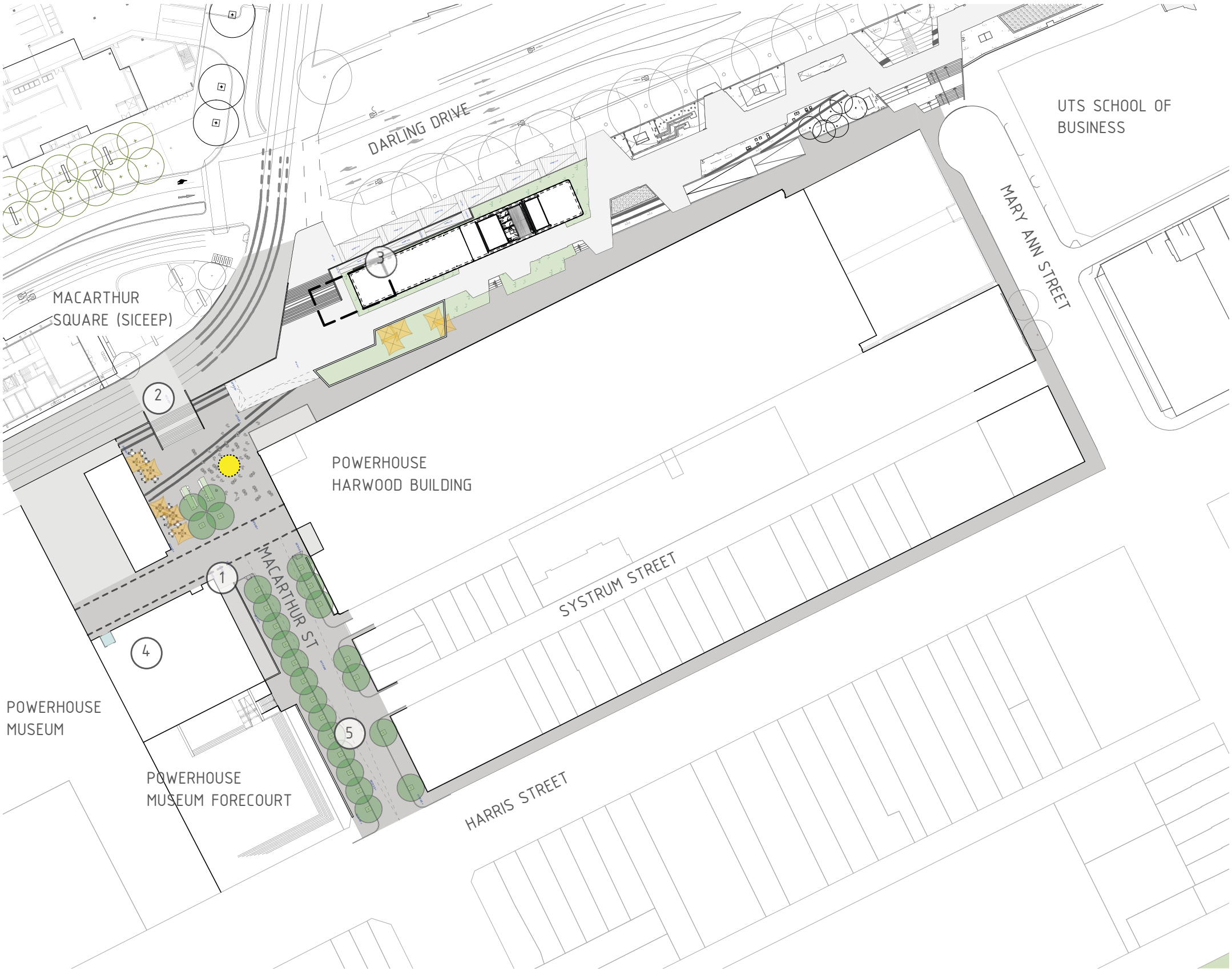


VIEW 02. FROM QUAY ST (LIGHT RAIL)



VIEW 04. FROM MACARTHUR STREET (TOP)

VISUALISATIONS



KEY

- 1. Demolish overhead walkway
- 2. Stair access to student housing square
- 3. Retain TGL North as documented (with the addition of switch back ramp for DDA compliance)
- 4. Accessible access to the Powerhouse Museum provided via existing internal lift - during opening hours
- 5. Upgrade Macarthur Street with widened footpaths, street trees and a termination space for outdoor exhibitions. Re-locate existing guard house into the Harwood Building

COMMENTS

- Increased signage required showing accessible routes
- Rest points to be included along The Goods Line and Macarthur St
- Handrail to be provided down steepest portion (top) of Macarthur Street

NOTE

This is an indicative concept representing a final state solution - assuming a collaborative master plan approach at a point in the future.

This application does not seek approval for these works.

MARKETS MODE

It is envisaged that by making Macarthur St a shared way with pedestrian priority (with deliveries controlled through Powerhouse security and removable bollards) there is potential for the street to be enlivened by outdoor curated spaces, markets and food trucks.

