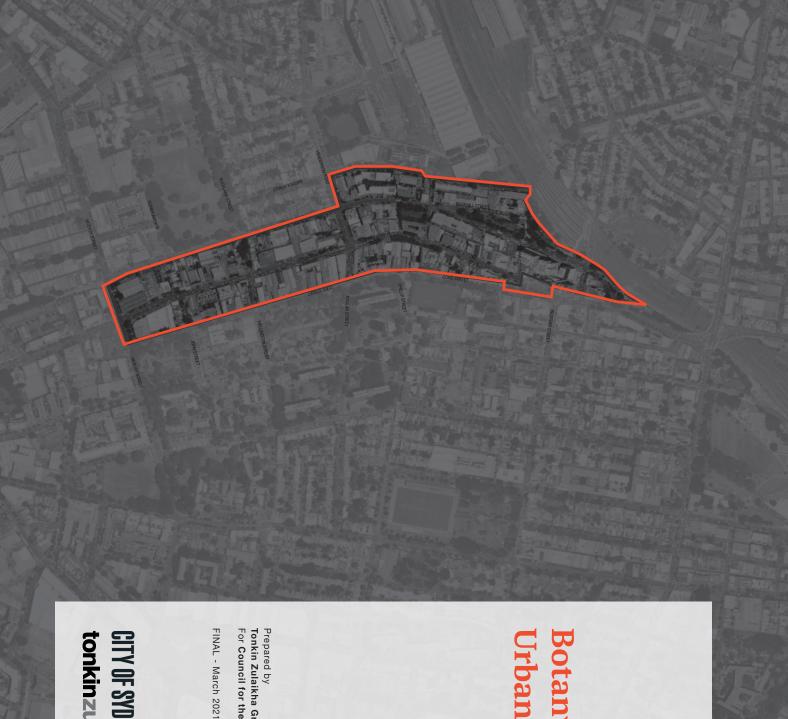
Attachment A2(a)

Urban Design Study – Introduction – Botany Road Precinct



Botany Road Corridor Urban Design Study

Prepared by
Tonkin Zulaikha Greer Architects
For Council for the City of Sydney (CoS)

CITY OF SYDNEY (a)

tonkinzulaikhagreer ARCHITECTS

ACKNOWLEDGMENT OF COUNTRY

The Council for the City of Sydney and Tonkin Zulaikha Greer would like to acknowledge the traditional owners and custodians of the land on which it works. We pay our respects to Elders past, present and future and acknowledge the Country, people and values of Aboriginal culture and Indigenous heritage present throughout the study area. The outcomes of the project are hoped to be a positive reflection of Country, Indigenous people and the value of the Aboriginal and Torres Strait Islander communities of which the area and land of this project are located on.

This study is based upon Aboriginal and Torres Strait Islander engagement undertaken during the project. This document therefore aims to put forward design principles that could enable a connection to Country voiced during those consultations. It is hoped that the principles presented here are engaging and representative of the goals for the Indigenous Communities comprising the study area. It is envisaged by the City of Sydney and TZG that further development of Indigenous Design Principles will be undertaken with the Indigenous Community, in a co-design process, to develop a strong and meaningful narrative for the area.

Aboriginal and Torres Strait Islander readers are advised that within this document there may be some images or depictions of Aboriginal and Torres Strait Islander elders past who may have died. The Story of the Community of Redfern / Waterloo could not be told without their valuable achievements.

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ISSUE DATE	PURPOSE	ISSUED BY
23rd March 2021	FINAL	S



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Contents

Report Purpose

Background

≤. ₹

≦.

Study Structure

Introduction

Executive Summary

Executive Summary

Report Purpose

This Report has been prepared by Tonkin Zulaikha Greer Architects to recommend new planning controls and public domain improvements for the Botany Road Corridor.

The urban design framework and strategic responses included within this report are intended to present an urban design vision for renewal of the Botany Road Corridor.

The urban design vision presented in the document aim to address Government planning objectives and provide an achievable urban strategy for renewal of the Botany Road Corridor.

The urban design vision presented within this report is intended to:

Offer a holistic vision for Botany Road Corridor that proposes improvements to the public domain.

Provides an illustrated scheme and

a set of design components that aim

to strengthen the social, historic and community aspects of the Botany

Respond to past and current analysis and technical investigation documents prepared through design explorations.

The purpose of this report is to document an urban design vision that presents a vibrant and innovative strategic response to heritage, public domain and transport and movement. This report aims to:

- Provide a response to Indigenous heritage, social and cultural vision
- Provide a response to public space, including biodiversity, green space tree canopy cover, walkability and strategic open space policies.
- Provide a response to studies for traffic, transport and Noise and Air Quality.
- Present a vision for achieving harmony between transport, traffic, movement and place within the study area.
- Provide functional pedestrian, cycle, and road configurations that work with the proposed built form, growth and future transport upgrades.
- Provide a vision for future built form that considers solar, wind, noise and air as well as the existing street typology conditions.
- Illustrate the desired future character for the area and how these relate to recommendations for City of Sydney LEP / DCP and Site Specific controls recommendations that could be implemented as future planning changes

This report presents a holistic scheme for the public realm and built form of the Botany Road Corridor to support the local communities and the transport corridor that lie at its heart.

162









Existing Rail Corridor

Botany Road Corridor



Figure 1: Regional Location Diagram showing the Botan Road Corridor within the City of Sydney LGA Source: TZG overlay of Sydney LGA, Nearmaps.

Background

Government and City of Sydney Strategies innovation corridor that is identified in NSW part of a larger redevelopment zone and (BRC) as shown in Figure 2 adjacent, forms The Botany Road Corridor study area,

The Botany Road Corridor is positioned developments set to transform the Redfern with planned infrastructure projects and NSW Government led urban renewal The area will go through significant change Waterloo area.

changes, there is an opportunity to look this area. further into the sense of place that shapes Within the framework of these planned heritage value. sense of place and urban character with

development of the Botany Road Corridor. be realised with the future growth and report will identify opportunities that can Sydney's future planning documents, this Framed within the context of the City of

- by Jack Floyd Reserve, Cope Street and Redfern Street high street, a prominant Station. This area is a key connector to and fine grain development and midway is characterised by existing residential estate, to McEvoy Street. Cope Street Quarter and the Waterloo Housing stretches south past Waterloo Metro community high street for the Redfern neighbourhood. To the east, the study area is defined
- edge to the Australian Technology Park Wyndham Street which is characterised and Cornwallis Street which define the busy traffic conditions, and Garden Street characterised by mixed development and character, Henderson Road which is by a low scale, fine grain residential To the west, the study area is defined by
- Alexandria to Moore Park and beyond. connector used as a thoroughfare from by McEvoy Street, a significant east-west To the south, the study area is bounded

parcel of land bounded by: The Botany Road Corridor study area is a

the north at Redfern Street / Redfern Regent Street and Gibbons Street to

to the larger-scale Waterloo Metro Station along it's length this character changes development.

Indigenous history and social significance. within the City as a place with unique

The area is culturally rich, holding a strong

commercial precinct.



BOTANY ROAD AREA CORRIDOR STUDY Source: Nearmaps with TZG overlay.

 LEGEND

Study Structure

The study was undertaken in a four part process:

Stage 1 - Background Information Summaries

This stage prepared a consolidated, concise recap on research, background analysis and relevant planning policies related to the Botany Road Corridor Study Area.

A Background Information Summary was prepared to review all briefing information provided by the City of Sydney plus existing background analysis undertaken on the Botany Road Corridor in the past by other parties. The aim of these summaries was to provide TZG with a strong basis to commence Stage 2 of the Urban Design Study

Stage 2 - Site Analysis, Opportunities and Constraints

This stage prepared local and regional context analysis that informed opportunities and constraints prepared on the study area. The stage also acted as the introduction sections to the final Urban Design Report allowing the team to prepare urban design massing option with detailed site knowledge.

This stage develops the DPIE's Draft Stage 1 Urban Design Report prepared by Hassell in 2018. Some mapping, analysis and work has been taken from those reports, and has been referenced appropriately throughout the report.

Stage 3 Urban Design Options

The purpose of this stage was to develop urban design options that explored potential land use and built form changes that could be implemented to encourage additional commercial or enterprise floor space within the Botany Road Corridor study area guided by urban design and heritage parameters.

A key objective was to identify opportunities to appropriately change planning controls to accommodate increased built form capacity for commercial or enterprise floorspace.

These urban design options also informed the development of the vision and urban design framework, particularly the built form response proposed within the urban design framework.

Three urban design options were prepared that address built form, floorspace yield and overshadowing impacts.

Two 'amalgamated options' were then developed based on outcomes and observations of the initial options to explore the detailed urban response and impacts such as view line, detailed overshadowing and built form response. One amalgamated option was selected with adjustments as a Preferred Design Option and was developed for the Urban Design built form framework.

Stage 4 Vision

The purpose of this stage is to document a preferred urban design option and outline the Vision, Urban Design Framework and Strategic Response to heritage, public domain and transport and movement.

This Report is to be read inconjunction with the following reports prepared simultaneously:

- Indigenous Heritage, Culture and Significance Report - Cox Inall Ridgeway (CIR)
- Non-indigenous Heritage Report -Tonkin Zulaikha Greer (TZG)
- Transport Report Cattel Cooper
- Air Quality and Noise Study- Botany Road Corridor - Todoroski Air Sciences

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Study Objectives

The following outlines the project objectives for the BRC's Strategic Review:

- Develop and respond to an and related economic significance. heritage, including cultural, political, social relation to Indigenous and non-Indigenous characteristics of the Study Area in understanding of the particular
- Respond to the non-Indigenous heritage growing the Eora Journey. and Torres Strait Islander communities by Celebrate the living culture of Aboriginal
- significant heritage items conservation areas and the curtilage of Respond to the adjacent heritage

and archaeological significance of the

- Foster North/South connections linking Redfern, Waterloo and Green Square
- Provide welcoming places for recognition in the public domain. Identify opportunities for Indigenous
- Design for future streets to increase spontaneous public gathering. accessibility and walkability, promoting

retail and commercial activity at ground

- in public spaces, streets, open space and level. achievement of a 40% tree canopy cover Provide recommendations for the
- Prioritise pedestrian comfort and amenity
- existing and new bus stops/interchanges Provide space for people at transport station, the future Waterloo Metro and interchanges including Redfern train
- Protect public spaces, heritage areas, streets, open space and parks from conditions. overshadowing and uncomfortable wind
- Identify areas for water sensitive urban

Transport

- Minimise traffic generation and hierarchy of vehicle use (e.g. bus priority).
- Increase pedestrian accessibility through
- sit within 1600 meters of each other. Green Square Station along the BRC that station, the future Waterloo Metro and transport access between Redfern train Capitalise on the high level of public
- Prioritise opportunities for pedestrian interchanges existing and proposed major transport links or street share surrounding
- Create best practice for multimodal cycle paths and walking paths. transport design, bus lanes, dedicated
- East Sydney Transport Strategy. developing design options and respond to the Regional Cycle Network and South Encourage active transport when

- walkability, safety and street connections.

- Protect existing mixed-use business Botany Rd and the industrial precinct encroachment, particularly at Regent St/ around Young St. zones from further residential
- drink medical centres and places to eat and essential retail infrastructure like banking Provide amenity for the workers with
- Deliver significant employment spaces in urban renewal areas and State Significant Precincts that have not already been locked into residential use.
- night time economy and creative use. floorplate sizes for retail, commercial business industries with sufficient Build on existing clusters of related
- employment and productive uses. Ensure built form controls provide for

- Establish built form addressing floor plan on the ground interfacing street level. design typologies that include retail space
- Establish urban and built form addressing dwellings, suitable for varying lot sizes. that provide workplaces and affordable Deliver various building typologies
- quality. wind environment, ventilation, noise and air

heritage and conservation areas, solar,

- Enable calculation of yields and analysis of heights and setbacks.
- impacts on the public domain. especially of open space, and manage wind Control built form to reduce overshadowing

Health and Amenity

- Minimise noise and air pollution impacts residential use). to public space and sensitive uses, (e.g.
- with trees and awnings. Provide shade for streets and open space
- Plan active transport routes with walking and workplaces. and cycle access to local shops, schools
- Identify open space and recreation needs

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