

URBAN DESIGN specialist report

To: Ross Cooper, Senior Planner, Tattico Limited

From: Yvonne Weeber, Principal Urban Designer

Region Wide Urban Design Policy, Auckland Design Office,

Auckland Council

Date: 13 October 2015

Subject: URBAN DESIGN REPORT

PLAN CHANGE 79, REZONNING OF QUEEN

ELIZABETH SQUARE

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1 Scope

- 1.1 I am providing an urban design assessment of effects of the proposed plan change by Precinct Properties Downtown Limited (PPNZL) of Queen Elizabeth Square (QE Square).
- 1.2 In preparing this report I have read the Plan Change Assessment of Environmental Effects and Section 32 Analysis by the applicant, Submission and Further Submissions.
- 1.3 I know the site well having travelled regularly to the city by bus, train and ferry over the past year. I have visited the site and undertaken a visual and urban design assessment in relationship to this report and evidence given on the Unitary Plan.
- 1.4 I have read all relevant documentation including past reports, assessments, masterplan and redevelopment proposals set out in Appendix B.
- 1.5 I have provided evidence to the Auckland Unitary Plan Independent Hearing Panel on Topic 050 City Centre for Downtown West Precinct which includes the QE2 Square which is the subject of this report.
- 1.6 The matters that will be addressed in this report include the following:
 - Urban design background information and past urban design evaluations
 - Assessment of existing facades facing on to QE Square
 - Assessment of application documents
 - Summary of submitters issues
 - Urban design assessment of the proposed plan change
 - Amendments to the plan change

 Proposed Auckland Unitary Plan (PAUP) and the Downtown West Precinct

2 Introduction

- 2.1 My full name is Yvonne Beth Weeber. I am a Principal Urban Designer in the Region Wide Urban Design Policy team in the Auckland Design Office at Auckland Council. I have been in this position since 28 July 2014. Prior to this I was a Senior Analyst with the Ministry for the Environment principally working on the New Zealand Urban Design Protocol and Canterbury Earthquake Recovery.
- 2.2 I hold a Bachelor of Science Honours first class, Post Graduate Diploma of Landscape Architecture and a Masters of Arts in Urban Design. I have approximately 28 years professional experience as a Landscape Architect and 18 years professional experience as an Urban Designer. Full details of my qualifications and relevant past experience are set out in Appendix A of this report.
- 2.3 I am a National Committee member of the Urban Design Forum (UDF). The UDF have made a submission on the plan change of Queen Elizabeth Square. I was not involved in the UDF submission and will not take part in any of the UDF plan change process for QE Square in the future.

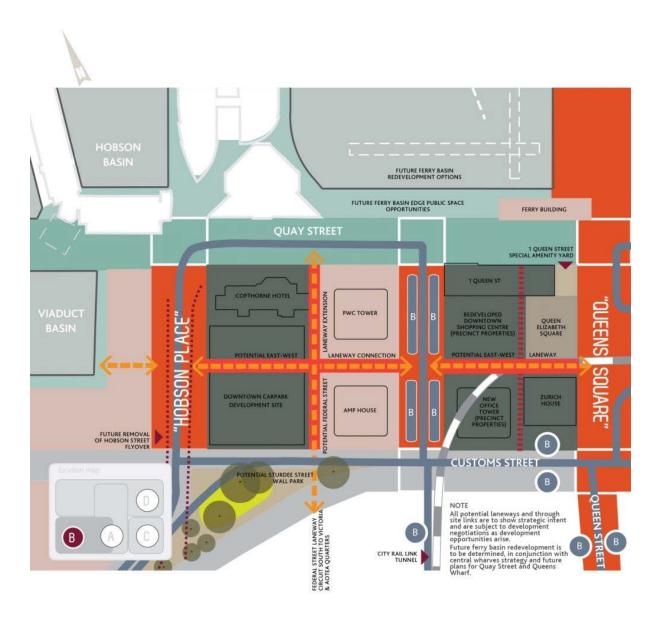
3 Background

- 3.1 Documents, studies, analysis, masterplans and frameworks considered in this report are listed in **Appendix B**.
- 3.2 Precinct Properties Downtown Limited has proposed a private plan change to the Auckland Council District Plan (Operative Auckland City Centre Areas Section 2005) to the zoning of QE Square. The proposed plan change to the Precinct and planning overlay maps would delete QE Square as a public open space and generally bring the overlay maps of the square to be consistent with the provisions that currently apply to the surrounding block of a pedestrian orientated zone.

- 3.3 At present QE Square is 1892m² rectangular lot bounded by buildings to the north, west and south. The square is open towards Queens Street and the Britomart Transport Centre. The property details are described by the applicant on page 4 of the Barker and Associates Section 32 Report.
- 3.4 On the 15 May 2014 the Auckland Development Committee approved in principle the disposal of QE Square to be part of the Downtown Shopping Centre Block Redevelopment (Resolution number AUC/2014/64).
- 3.5 On 11 September 2014, the Auckland Development Committee confirmed approval to sell or lease QE Square to PPNZL subject to successful commercial negotiations and statutory processes (Resolution number AUC/2014/111). This resolution also noted draft design requirements of the terms of sale in the form of two laneways cutting the block. These laneways being an:
 - a) at grade, publicly accessible (24hrs/7 days), open with weather protection, east-west pedestrian laneway connection between Lower Queen Street and Lower Albert Street through the block
 - b) north-south pedestrian link through the block referencing the historic little Queen Street.
- 3.6 At the same time on the 11 September 2014 the Auckland Development Committee (Resolution AUC 2014/110) endorsed the Downtown Framework document and noted that details and costs would be developed progressively.
- 3.7 The Downtown Framework outlines the different future projects planned for Downtown West. The document is a living document that will continue to evolve, however it brings together the vision and thinking of the Council at that time.
- 3.8 The public space, movement network and development potential are set out in **Figure 1**. One of the important proposals is the bus relocation from Lower Queens Street to Lower Albert Street to free up space for pedestrian and event capability in the Lower Queen Street area. The laneway connection through the Downtown site will provide significant functional pedestrian

connections between public transport facilities in a east-west and northsouth direction for the transport interchange functions of the area.

Figure 1 Downtown West desired future outcomes including laneways¹.



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¹ Downtown Framework page 61

4 Past urban design evaluations of QE Square

- 4.1 Subsequent to the building of No. 1 Queen Street (now HSBC Tower) a twenty storey office block on Quay Street, QE Square has been a compromised public open space. The HSBC tower blocks any connection between the water and QE Square (except through the Queen Street Special Amenity Yard to the east of the square). QE Square is very shady due to the HSBC Tower with the sun being present in the square in the lunchtime period only 25% of the year². Conditions are not helped by the prevailing north-east winds in the square making it an unpleasant and windy space³.
- 4.2 There have been a considerable number of surveys and analysis of QE Square since the construction of the HSBC Tower. The latest the Downtown Public Open Space Evaluation by RESET (September 2014). The RESET study considered the site attributes as primarily negative with the environment being windy and shady, making it little more than a forecourt to the Downtown mall and a failed open space⁴. The RESET study is contained in the application material.
- 4.3 The Gehl Architects report *Urban Design Advice Queen Elizabeth Square*Auckland City Centre June 2014 presented on the 11 September 2014 to the Auckland Development Committee undertook an evaluation of QE Square using 12 qualities. They found that four of these qualities were poor and created serious issues for QE Square. The serious issues are:
 - a) No mitigation against the wind and glare issues with insufficient weather protection
 - b) The transport elements are blocking views to and from Queen Street
 - c) QE Square is overshadowed for the majority of the day.

This report is contained at Appendix C.

- 4.4 The QE2 Square also has a number of other below average qualities including:
 - a) Perceptions of poor safety

² Downtown Public Open Space Evaluation – RESET (2014)

Downtown Public Open Space Evaluation – RESET (2014)

Downtown Public Open Space Evaluation – RESET (2014)

- No interesting frontages on the building facades surrounding QE
 Square
- c) The edge of the buildings offering no places for people to linger
- d) QE Square materials and elements are uncoordinated creating a poor design profile.

5 Facades and Features fronting on to QE Square

- In addition to the Reset and Gehl Architects evaluations I have undertaken a survey of the facades and features that front on to the QE Square to understand not only the role of the open space but the edge of this space. This is important as not only will the QE Square space be removed if the plan change proposal is accepted but also the building facades will ultimately be replaced by a building. I have also used RESET's evaluation of the Spatial Attributes (page 10) which provides cross-sections and information on the widths and heights of the facades.
- 5.2 The southern façade of the square has the most recently refurbished building fronting on to the QE Square that of Zurich House (18 levels at parapet 66.91m high, roof 74.88m high and 36.6 m wide⁵). This has a new green/blue glass façade building that has a colour linkage with its coastal location. The tickertape display of the New Zealand stock market and other financial news indicators provide constant visual interest into the square and along Queen Street. On the ground floor of this southern façade there is a café making good use of the only continual sunny space on the square. The south eastern side of this façade has the main entrance into Zurich House via escalators from the ground floor to the upper lift level creating activity at this point of the Square.
- 5.3 Western façade Downtown complex (51.73 m wide) has over the years improved from an almost blank façade to one of having the upper level food court having views on to the square and a ground floor with one café open onto the square with tables and chairs. On the ground floor there is a main entrance into Downtown at the middle of the eastern façade. This is the main

⁵ Precinct properties – Downtown Resource Consent Application 19 March 2015

pedestrian movement access through QE Square to and from Queen Street. The Downtown Shopping Centre Door counts average daily total is 4,125 (between June 2013 and May 2014)⁶. There are also entrances into individual shops.

- 5.4 The northern façade of the square has the building of 1 Queen Street (20 levels at parapet 80.90m high, roof 85.86 high⁷). The Ground floor of 1 Queen Street has little of interest except a cash point machine and covered glass windows of HSBC. The first and second level of the HSBC have even less visual interest due to the grills of two levels of carparking facing on to the QE Square.
- 5.5 The building facades that surround QE2 Square therefore address the Square in a piecemeal way. While the northerly café gets sun for the longest amount of time and is busy and active, a large amount of the remaining ground floor activities are passive. A large amount of the windows that face the square are no longer open and are only used for advertising.
- 5.6 To the south east next to Queen Street there is the entrance and exit in a glass box building to the Britomart train station. This building though low in height forms a wall to a large proportion of the south eastern space and blocks the public interaction between QE Square and Queen Street. Within the square the features such as the northern Kauri Trees form further barriers to movement within the square.
- 5.7 One of the most active spaces next to the QE Square is formed by the kiosk in the Amenity Square to the north. This space gets sun, has pedestrian traffic from the Ferry passengers and has provided night time activity to this corner of the square. However like the Britomart Train Station this kiosk forms a block to public interaction between from the QE Square and the Ferry Terminal Building.
- To the east of QE Square across Lower Queen Street is the Britomart Transport Centre (54.1m long at approximately parapet 25 m high and approximately at top of roof dome 35m high) forming an important

⁷ Precinct properties – Downtown Resource Consent Application 19 March 2015

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⁶ Downtown Public Open Space Evaluation – RESET (2014)

Edwardian heritage link with the past and an impressive entry into the Britomart underground rail station. It is this façade that any new building on Lower Queen Street built on to QE Square would face.

6 Applicant's assessment and proposed mitigation

- The applicants 2015 Assessment of Environmental Effects and Section 32

 Analysis Request for Plan Change Percent Properties Downtown Limited

 Queen Elizabeth Square report by Barker and Associates Ltd (Applicant's Report) describes the plan request, the strategic framework, statutory considerations, assessment of effects and undertakes a brief Section 32 analysis.
- In the Applicants Report section 6.1 *Provisions of Open Space in Downtown Auckland*, past officers reports to and the decisions of the Auckland Development Committee (outlined in section 3 Background of this report) are relied upon to consider the plan change being 'less than minor' in respect to the removal of public open space in the central city.
- 6.3 The reliance on similar controls than those currently applying to the surrounding block are proposed by the applicant to provide a built form that is consistent with existing development of the surrounding land.
- 6.4 Shading diagrams of a hypothetical 19 metre building on the QE Square site are provided by applicant (Appendix 3 of the Applicants Report). These studies show that HSBC is a major negative shade influence not only on the existing QE Square but also Queen Street. A building of 19 metres would create edge shading on the Queen Street footpath but then be subsumed by the shadow of the HSBC tower in the afternoon.
- 6.5 Wind effects (Appendix 4 of the Applicants Report) are assessed. The model of the building assessed was 16.5m not 19m as in the shading assessment. There are small negative changes resulting in three areas including the entrance to Britomart and Lower Queen Street north of Customs Street. While the applicant considers these changes acceptable it is worth noting the high pedestrian traffic that does occur in this area and how even slight changes in wind intensity could affect the future use of this area.

7 Submitter issues

- 7.1 There were six submissions on the QE Square plan change with one submitter supporting the plan change with proposed planning controls and remaining five opposing the plan change.
- 7.2 Cooper and Company NZ supports the proposal subject to a set of planning controls to assist in providing high quality building, urban design and environmental outcomes which would be in character of the overall Britomart Precinct and a regenerated waterfront.
- 7.3 Auckland Architecture Association, Urban Design Forum New Zealand, New Zealand Institutes of Architects Incorporated, S Peace, and Charlotte Mary Fisher all oppose and seek the plan change be declined. These five submitters are seeking the plan change be declined on the basis of the:
 - Loss of a Public Open Space
 - Lack of features such as the flame sculpture
 - Inadequate provision of alternative Public Open Space
 - Applicants should be undertaking a precinct wide plan change.
- 7.4 Six further submissions were made with four of these submissions supporting submissions that wished to decline the plan change and two of the further submissions supporting the plan change.
- 7.5 While the majority of submitters seek the plan change being declined the majority also generally agree QE Square is an unsuccessful passive thoroughfare space with the major issue being the shade cast on it for significant portions of the day by HSBC Tower at No.1 Queen Street⁸.

8 Urban design assessment of the proposed plan change

8.1 The proposed plan change will result in the loss of an existing large public open space in the central city.

⁸May 2014 Auckland Development Committee report about Queen Elizabeth Square by officers from Auckland Council's Built Environment Unit (now the Auckland Design office).

- 8.2 The proposed plan change will result in building on the 1892m² rectangular lot of QE Square.
- 8.3 I concur with the submitters that a loss of a large public open space such as QE Square within the city centre must be considered to be more than minor. However I also concur with submitters that QE Square is an unsuccessful passive thoroughfare space shaded throughout the day.
- 8.4 I consider that the facades around QE Square (as outlined in section 5 of this report) are not of status that they are worthy of protection or are being used in a way that requires them to be retained. A new building built on the QE Square could be of a design that enhances the frontage of Lower Queen Street, compliments the Britomart Transport Centre façade and defines the lower end of Queen Street.
- 8.5 I consider that the proposed plan change could provide positive urban design improvements in Lower Queen Street.
- 8.6 I cannot in this report consider alternative public open spaces to replace QE Square in size and relationship to Queen Street but note that the Auckland Development Committee (Resolution number AUC/2014/111) resolved to sell QE Square on the basis that at least two of three identified new/improved waterfront public open spaces of commensurate size and improved quality would be delivered with the proceeds of the sale. I can however consider the factors required for a redevelopment of QE Square to provide positive change, vibrancy and character to the Lower Queen Street area.
- 8.7 I consider what happens within the space in relationship to public movement through a redeveloped QE Square and through the existing Downtown buildings in relationship to the transport interchange in this area is extremely important.
- 8.8 Within the *Downtown Framework* document endorsed by the 11 September 2014 Auckland Development Committee, one of the important proposals was the bus relocation from Lower Queen Street to Lower Albert Street. For this to work there needs to be laneway connections between public transport

- facilities both in an east-west and north-south direction as envisioned in Figure 1.
- 8.9 In my opinion specific requirements (as detailed in my Topic 050 Downtown West Precinct Evidence for the PAUP) are needed to create vibrant public laneways that support the transport interchange functions and these are:
 - a) Open and accessible to the general public 24 hours/day and 7 days a week without doors, gates or wind lobbies.
 - b) At grade and provide the shortest straight route between street and have straight lines of sight.
 - c) A minimum pedestrian width of 5 metres clear for unimpeded flow of public transport users between streets.
- 8.10 For the legibility and alignment of the laneway connection through the Downtown site to support the transport interchange pedestrian functions, of the area, I consider it is important that:
 - a) There is a clear alignment between the main entrance of Britomart
 Transport Centre (old Central Post Office building) and the
 entrance/exits into the redesigned Downtown Shopping Centre.
 - Entranceways are easily identifiable to pedestrians to allow quick flow of public between public transport modes.
 - c) It incorporates Crime Prevention Through Environmental Design (CPTED) such as façade set-back from the principal Laneway frontages at ground level is visibly open and avoids recessed internal corners.
- 8.11 I consider the internal environmental aspects for pedestrians of a laneway to be important. For it to work well the laneway needs to:
 - a) Be naturally ventilated
 - b) Be naturally lit during daylight hours
 - Be lit at night by artificial light that is bright enough to create a sense of personal safety
 - d) Have full length weather protection.

9 Amendments to the plan change

- 9.1 I consider the '6.19 pedestrian connections' proposed by the applicant require further amendments to include a number of the factors outlined in paragraph 8.9 to 8.11 of this report. For this reason I consider that 6.19 Pedestrian Connections wording should be amended as follows:
 - a) a minimum 5m wide, straight, at grade, east-west pedestrian laneway connection between Lower Queen Street and Lower Albert Street that is with its aligned with the Britomart Transport Centre (old City Post Office building) that is internally protected from the weather, incorporates natural daylight through glazed canopies or glazed roof structures, and is publicly accessible 24 hours a day, seven days a week and incorporates active uses at ground level.
 - b) a north-south pedestrian link laneway between Customs
 Street West and Quay Street.
 - c) <u>Visibly identifiable open entranceways into the laneways with</u>
 <u>clear sight lines from the principal street into the laneway at</u>
 ground level.
- 9.2 The frontage and alignment of height of the any new building within QESquare that faces Lower Queen Street and the Britomart Transport Centre should:
 - a) enhance the form and functions of Queen Street
 - b) avoid monotonous built form
 - c) Complement and respect the scale of the Britomart Transport Centre and the historic heritage buildings.
- 9.3 In the provisions of the City of Auckland District Plan, Central Area Section Part 5 Activities 5.2.6 provide for a 'designed based' approach with all building development and redevelopment required to be assessed against five key components of design assessment criteria. These being:
 - a) Building design should be of a high quality, showing creativity, and responsiveness to the local context in a way that contributes to the identity of Auckland at every scale

- b) Attractive, active and safe streets and public open spaces, which create a sense of community;
- c) Adaptable building form, encouraging the reuse and conversion of building spaces overtime.
- d) Sustainable building and site design which takes a long term view of energy and storm water efficiency
- e) Adequate internal and external amenity for building occupants which provides the opportunity for outlook, daylight access and sufficient internal living space for future residents.
- 9.4 I consider that this combination of design assessment criteria can provide the Council with methods of assessing the Lower Queen Street façade in combination of the pedestrian laneway and their entrances.
- 9.5 Modification of development control 6.19 Pedestrian Connections is to be inserted in a new paragraph under Clause 15.3.1.2.b. Considering the factors outlined in paragraph 8.9 to 8.11 of this report I consider the wording should be amended as follows:
 - a) The extent to which there is a safe, legible and straight direct link through the block.
 - b) The extent to which the width of the lane or link is sufficient to provide a functional connection between the adjoining streets and the transport interchange functions of the area.
 - c) Restrictions on Where public access is restricted, a shall consideration of the following:
 - i. The operational functional effects of needs for the restriction
 - ii. <u>Matters relating to sSafety and security of</u>

 <u>laneway users</u>
 - iii. The duration of the restriction
 - iv. <u>Any benefits to the laneway users arising from</u>
 the restriction

10 PAUP and the Downtown West Precinct

- 10.1 The PAUP considers QE Square in the Downtown West precinct in the Central City. The PAUP process will take at the earliest till late 2016 to provide an Operative Auckland Unitary Plan.
- 10.2 I provided evidence to the Auckland Unitary Plan Independent Hearings Panel (AUPIHP) on this precinct in Topic 050.
- 10.3 I agree with the applicant that the provisions of the notified version of the PAUP would help to facilitate the rezoning of the QE Square site. At the hearing the majority of issues from submitters (including Precinct Properties) to the PAUP on the Downtown West precinct were resolved. I therefore consider that the subsequent track changes presented on the Downtown West Precinct in Topic 050 by the Council at the hearing would result in further positive development on QE Square.
- 10.4 It is for those reasons that I have suggested amendments to the proposed plan change as outlined in section 9 of this report.
- 10.5 In my evidence to the AUPIHP Topic 050 I addressed a number of issues including the functional aspects of laneways that are vibrant and support connections between public transport hubs in the Downtown area.

11 Conclusions

- 11.1 I consider the proposed plan change to delete QE Square as a public open space is appropriate due to:
 - a) the poor quality of this public space and
 - b) if suitable planning measures are included in the plan change that create connections between the public transport hubs, building uses, street and public open spaces.
- 11.2 It is my opinion that laneways in a north-west and east-west direction through both blocks are important to the success of the area. I also consider the proportions, design features and activity along the laneway are important in supporting a successful and functional downtown public transport interchange.

11.3 It is my opinion the frontage and alignment of height of a quality designed new building within QE Square that faces Lower Queen Street and the Britomart Transport Centre should enhance the form and functions of Queen Street.

Appendix A – Yvonne Weeber's career summary

Principal Urban Design, Region Wide Urban Design Policy, Auckland Design Office, July 2014 to Present

Senior Analyst Ministry for the Environment, 2003 till July 2014

Urban Designer, Resource Consents, Wellington City Council, 2001 to 2003

Landscape Architecture Lecturer, Lincoln University, 2000-2001

Senior Landscape Architect, City Design, Auckland City Council, 1998—2000

Urban Designer, Stafford Borough Council, England, 1996—1997

Landscape Architect, PTP Landscape, Birmingham, England, 1995—1996

Senior Landscape Architect, Palmerston North City Council, 1991-1995

Landscape Architect—Whakatane District Council, 1989—1991

Landscape Architect—Upper Hutt City Council, 1987-1989

Qualifications

Master of Arts in Urban Design, Oxford Brookes University, Oxford, U.K. 1997
Postgraduate Diploma of Landscape Architecture, Lincoln University, NZ 1987
Bachelor of Science (Hon) First Class, Victoria University, NZ 1984

Affiliations

New Zealand Institute of Landscape Architects (Registered), 1991 to present
Urban Design Forum, N.Z. Inaugural member 2008 to present
Urban Design Group, U.K. 1997 to present

Appendix B - Chronological order of some of the Downtown West precinct studies, analysis, masterplans and frameworks.

2015 Assessment of Environmental Effects and Section 32 Analysis –

Request for Plan Change Percent Properties Downtown Limited

Queen Elizabeth Square -Barker and Associates Ltd

2014 September Downtown Framework- Auckland Council

2014 September – Downtown Public Open Space Evaluation – RESET Urban

Design for Auckland Council

2014 June- Urban Design Advice Queen Elizabeth Square Auckland City

Centre- Gehl Architects.

2015 Downtown Public Spaces: Further review following feedback

from public spaces survey and lower Queen Street trail -

Buzzchannel

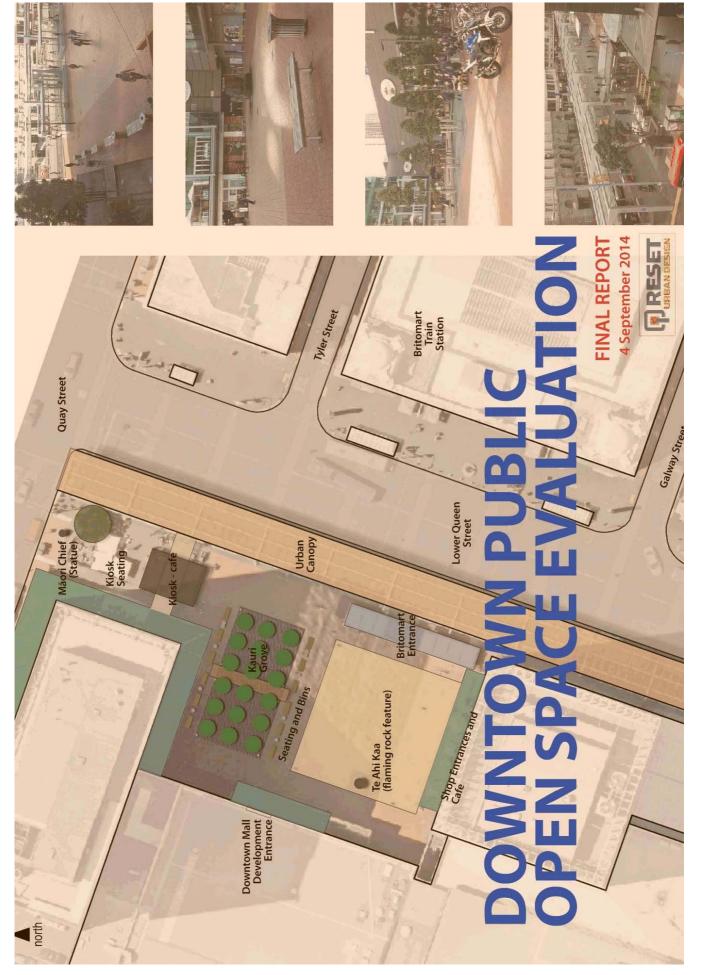
2012 City Centre Masterplan- Auckland Council

1977 Walking Around Town, planning for pedestrians in New Zealand

Ministry of Works and Development

Appendix C – Gehl Architects Report

Item 12



Downtown Public Space Options Evaluation

Item 12



n the downtown area of Auckland Auckland Council to undertake an ndependent evaluation of current commissioned as a consequence enhanced 'off site' public space/s. and future public space provision using the return to deliver new or could potentially be achieved by nade on the basis that a better Design were commissioned by overall public space outcome Auckland Council's Auckland of an in principle decision by dispose of Queen Elizabeth Development Committee to City Centre. The work was Square. This decision was n June 2014 Reset Urban

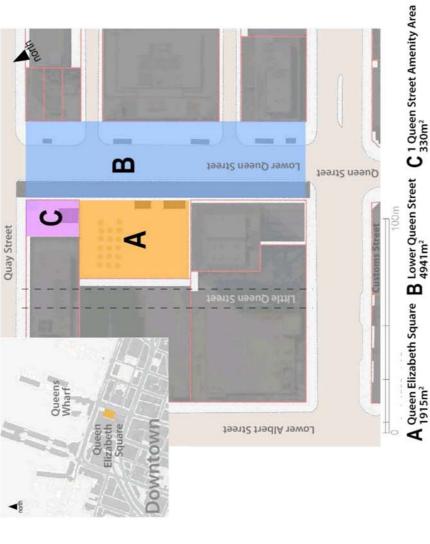
The key tasks identified in the brief were as follows:

- needs for public space in the Identify and understand the downtown area.
- development of this area from a Understand the historical oublic space perspective.
- criteria to assess public open space in the downtown area. Develop a set of assessment
- the existing and an enhanced Assess the qualities of both realistic best case) Queen Elizabeth Square.
- potential proceeds from a sale of dentify alternative spaces that could be invested in with the Queen Elizabeth Square.

stakeholder consultation feedback study, on site observational work, stakeholders, responds to these Reset Urban Design. They have ecommendations represent the practice public realm evaluation The following document, based workshops with councillors and been formed through desk-top tasks. The contents and final professional opinion of Garth Falconer, Principal Director, evolved through numerous and the application of best on a presentation that has echniques/criteria

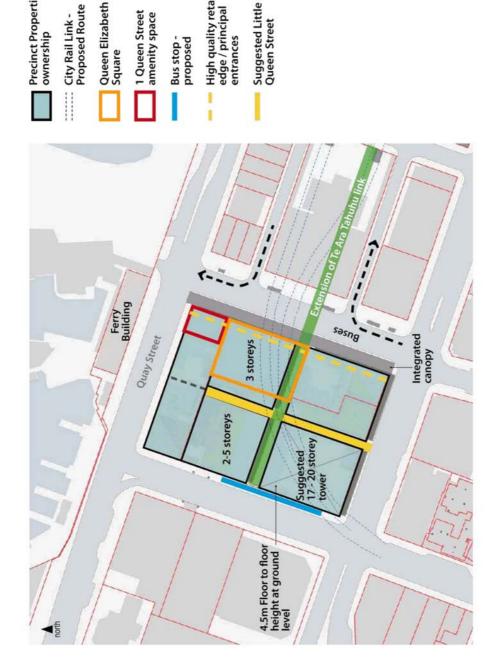


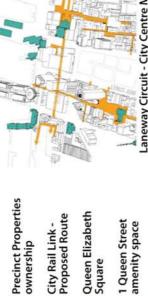




Queen Elizabeth Square is a squarish space of approx. 2000m² located off to the side and is largely enclosed by the adjacent building form

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Proposed Route

Laneway Circuit - City Centre Masterplan

brief by BEU - issued October esign and Development 2013

High quality retail

proposed

entrances

Produced to assist the master planning process for the Downtown Shopping block, owned by Precinct Properties.

Series of interdependencies:

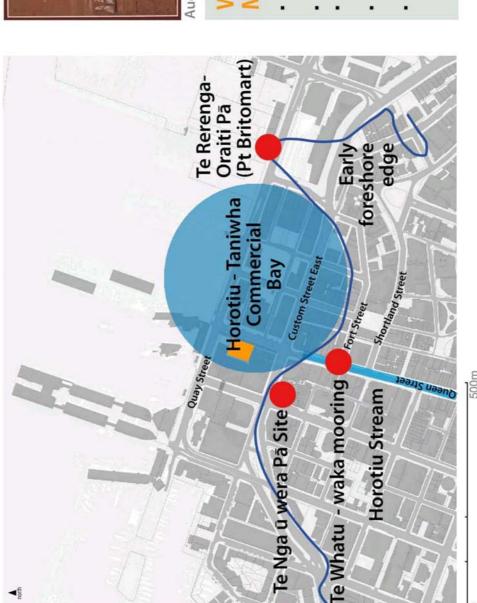
- Bus interchange
- Te Ara Tahuhu link
- Lower Queen Street pedestrianisation
 - Possible building over special amenity yard
- CRL works and foundations for new Downtown buildings

Council's Built Environment Unit (BEU) have engaged with the design process being carried out by Precinct Properties

result of the under-performing of Queen Elizabeth Square suggests it should be considered in the master planning of the blocks redevelopment A brief by BEU highlights public good outcomes and as a

Early ideas identified a number of crucial co-dependencies with public access lanes, public transport and building







Auckland Waterfront 1840's

- Reviving names and cultural narratives from the area
- Remediating land and water quality
- Natural environments connection to atua tāne and tangaroa
- Artistic / design treatments which bring names and narratives to life
- A living presence a place where mana whenua can gather, welcome visitors and celebrate their connection to the area

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Historic relationships between mana whenua and the central downtown area have been largely extinguished

Significant opportunity for re-engagement and to establish mana whenua presence and



^{1.} Statistics New Zealand Census 2013 ^{2.} Auckland Regional Transport, Model Scenario I 8b Workers in the city daily Tourists in the city daily 2 200m Walking Openspace Victoria

Increasing Population

Projected by 2030

2013

42,000

Residents in the city

Students in the city

3,000

They want..

- More open space
- Playgrounds
- Additional facilities
- Safer access
- Places to gather & enjoy events
- Stronger connections to water

*Sport and Recreation in the City Centre - Understanding Needs and Identifying Barriers and Gaps in Provision, Auckland City Council, November 2009

- here is an increasing inner city population and ourist numbers
- eveal strong demand for a range of

REATION NEE

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Auckland Council

1870 - 1909 Waterfront

Item 12

Development and Streets 1870: Existing



■ **Location of present day Queen
■ **Elizabeth Square Public Space



Late 1800's - Queens Wharf Promenade

old graving dock site



The lower end of Queen Street fron the harbour front 1909

(Source: 1909 Photo AWNS-19090603-7-1:www. aucklandcity.govt.nz, Auckland Council Heritage Images Online)

1870 - 1909

- Open and busy waterfront district
- Interface of Queens Wharf and Queen Street

- Current situation is a result of dynamic
- Waterfront open for public use as well as maritime activities
- Queen Elizabeth Square site reclaimed land as part of a city block with Queen Street on one side and a public lane (Little Queen Street) on







1909 - 1974 Street System





- r ¬ Location of present day Queen L → Elizabeth Square
- Red Fence



Site of Queen Elizabeth Square 1970's



Harbour Edge 1966 (Source: 1966 NZ Map 2055 www.aucklandcity.govt.nz. Auckland Council Heritage Images Online)

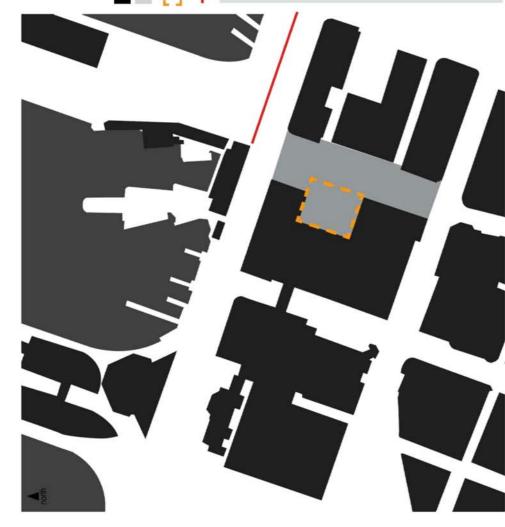
1909 - 1974

- Consolidated urban fabric
- Waterfront red fenced off
- Civic buildings installed at base of Queen Street Popular place for political gatherings

- Public excluded for safety and security reasons,
- Several key public buildings built reinforced the civic nature of the precinct

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2001: Post 1980 opening of Queen Elizabeth Square, existing surrounding developments and streets

Building Footprint Pedestrian space

r ¬ Location of present day Queen L → Elizabeth Square

Red Fence

1974 - 2003

Modernist commercial redevelopment

Based on a stand alone tower block and plaza model

Little Queen Street removed and Queen Elizabeth Square created as

Lower Queen Street amalgamated to form larger pedestrian space

compensation

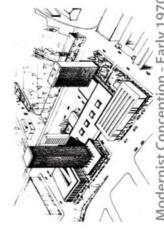
Limited access to waterfront

1974 - 2003

1965 Tower Block - no controls



Queen Elizabeth Square 1980's (Source: Auckland Council Heritage Images Online)



Modernist Conception - Early 1970 (Source: Auckland Council Archives, Central Library)

1960's - 1970's comprehensive redevelopment ended up in tower block

- Removed the fine grain fabric including Little
 Queen Street and more height provisions
 allowed a plaza space at the foot of the tower
- 1980's saw the pedestrianisation of larger space a compensation for lack of access to waterfront

1974 - 2003 Historical Transition o Queen Elizabeth Squar

Canopy over footpath



2010 Present: Post **Building Footprint**

2004 Britomart Transport Centre development

2003 Transport Scheme

Pedestrian space

r ¬ Location of present day Queen L → Elizabeth Square

- Red Fence

Lower Queen Street 2014



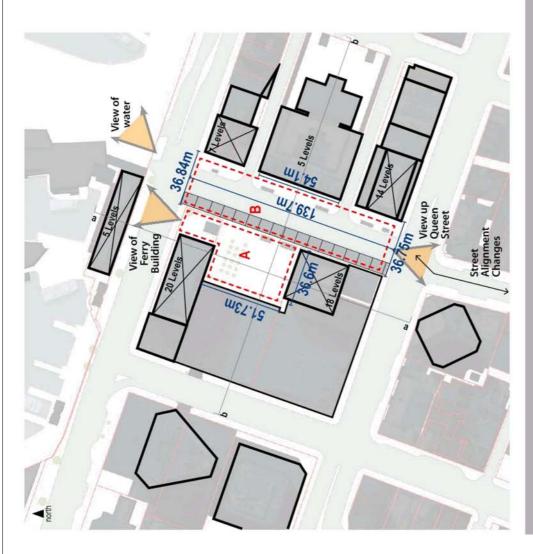
2003 - present

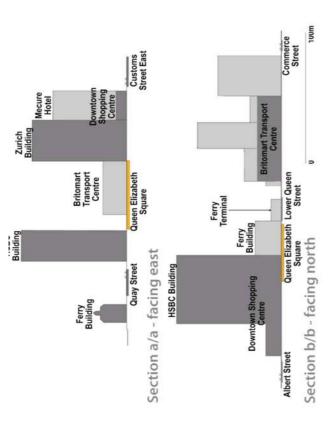
- Lower Queen Street lost to busway
- Long tall canopy divides space
- Queen Elizabeth Square a residual space empty except for a small kauri grove and a flaming rock
- Increased access to the waterfront and the Queens Wharf red fence is down

More access to waterfront but Queen Elizabeth Square and Lower Queen Street Spaces have been separated by a long high canopy

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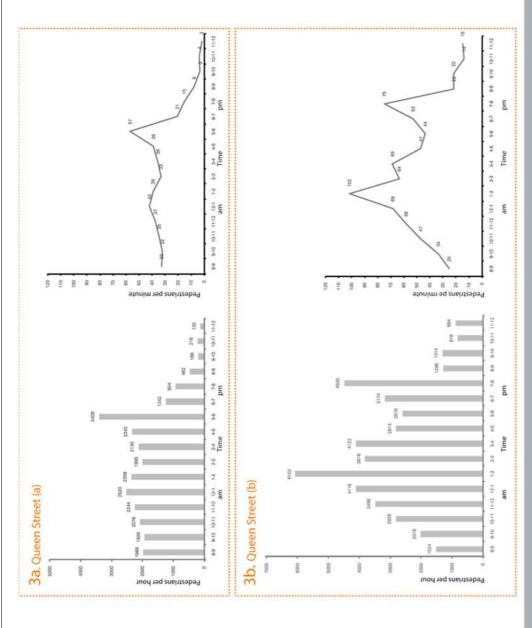


- Straddles two blocks
- Two main spaces divided by canopy, A and B Linear Lower Queen Street
- Queen Elizabeth Square forecourt
- Highly enclosed by taller buildings
- Opening to Quay Street some clutter

Queen Elizabeth Square is dominated by imposing tower blocks

n'n





ESTRIAN

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Compared with mid Queen Street the characteristics are of a thoroughfare for ery little traffic after hours

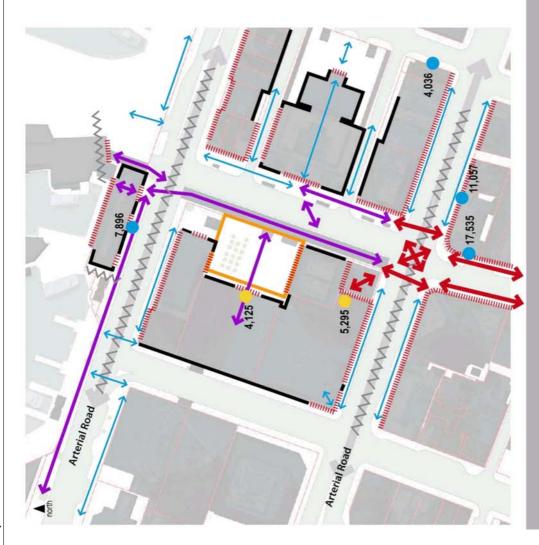
Survey shows slow build up during day with peak at 5 to 6 pm - exiting work time

Pedestrian Traffic - Weekday undertaken

by Gehl Architects

Pedestrian traffic counted on Thursday the 4th of March and Wednesday the 19th of May. Weather: mild 17-22° C





Pedestrians - High 15,000 - 20,000 (average per day)

Item 12

- Pedestrians Medium 11,000 15,000 (average per day)
- ←→Pedestrians Low 5 10,000 (average per day)
 - - Solid Wall
- Entries
- /////Barriers
- Pedestrian count average daily pedestrian activity over 24 hours (July to August 2014)*
 "Heart of the City, Pedestrians in the City, Pedestrian Count
 System
- Downtown Shopping Centre Door Count average daily totals, June 2013 to May 2014
- **Queen Elizabeth Square**

- Few records and monitoring points for pedestrian numbers in the area
- Big numbers drop dramatically going north
 - Desire line to ferry
- Mall corner entry takes large numbers
- Limited entries around
- Space is isolated by arterial roads and subdivided by busway

Queen Elizabeth Square is not as well used as adjacent Queen Street There are several breaks as the movement

00



Shade at 12 Noon

Summer Solstice

Spring Equinox

Autumn Equinox

Winter Solstice

All day Sun

↑ Wind

Vortex

Queen Elizabeth Square

- Queen Elizabeth Square is in shade most of the year and is subject to strong localised winds.
- Queen Elizabeth Square is an uncomfortable space

0.0

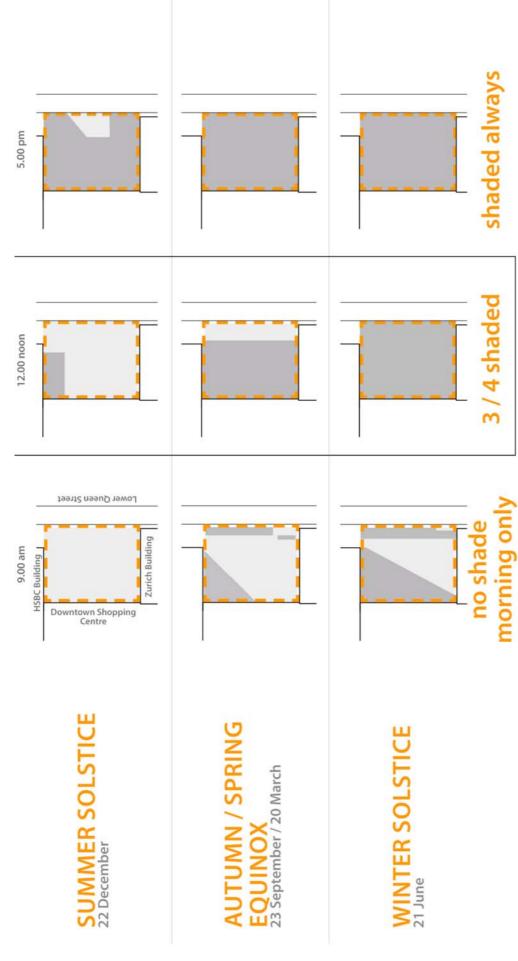
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ower Queen Street enjoys all day sun and

In addition there is localised wind turbulence caused by wind shear of

Queen Elizabeth Square is not climatically comfortable, there is sun in the early morning but at the crucial lunchtime and

Item 12



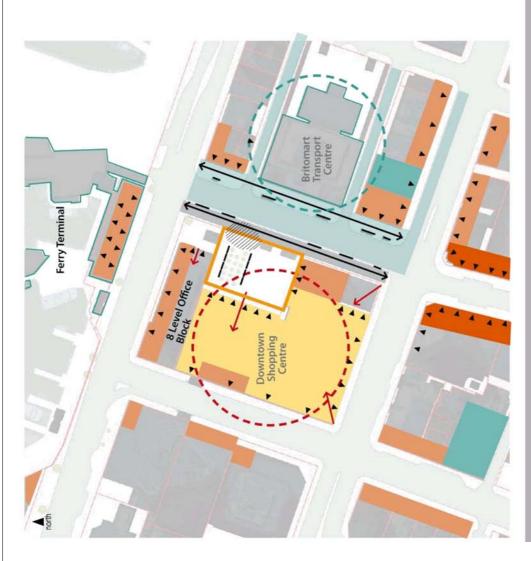
A frachment A

Only 25% of the year the space is sunny during the important lunchtime period

- The north facing wall of the Zurich building receives sun during the year round
- Overall the space is very shady

ンロAUE ueen Elizabeth Square





- Mid to low level retail (\$500 \$700/m²) Convenience / food and beverage **Public Demonstration Gathering Area** High end Retail (\$2500 - \$3000/m²) **Queen Elizabeth Square** Shopping Centre → Entry Point Office Hotel
 - **Transport**
- **Bus Movement Zone** () Anchors
 - ←→ Thoroughfare
 - Seating

Active Edge

- There are two adjacent anchors, one retail and the other transport
- Mainly functions as a thoroughfare
 - Mall gathering area
- Weak retail around edges
- Little after hours activity
- Big drop off from activity and retail in Queen Street

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oor fragmented gathering spaces



Item 12



SITE ATTRIBUTES

Positive elements

- Adjacent to Lower Queen Street
- En-route between city and waterfront
- 1900m² Sizeable space
- Opposite CPO / Britomart Transport Centre
- Close to waterfront

Negative elements

- Residual space acts as a forecourt to the Mall
- Creates a gap in the city harbour link
- Few facilities
- Poor environment windy and shady
- Cut off and subdivided
- Poor link to Waterfront
- Not good gathering civic space
- Currently a failed space
- More a retail forecourt than a civic or recreational space
- Related to varying public access to the waterfront



Only used as a thoroughfare



with mall side entrance and .ack of edge activation ousway



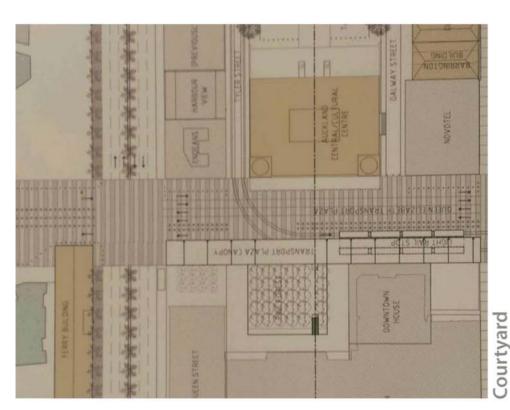
Unfriendly and shared space

There is some value to Queen Elizabeth Square but it is not of high quality in terms of use or public regard

Suffers from fundamental flaws - spatially enclosed and uncomfortable

ANALYSIS C







Canopy

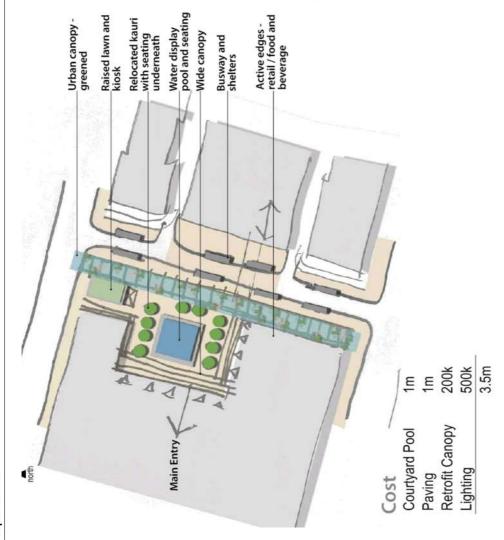
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Of the seven finalists there were two dominant approaches for Queen Elizabeth Square, one creating a courtyard and the other in filling with

Major international design competition held for Britomart and Queen Elizabeth Square areas held in 2000



Item 12



PROS





Minimal cost

CONS



- **Buses left in Lower Queen Street**
- Still a retail forecourt
- Two separate spaces
- Not a space that mana whenua can welcome visitors

PTION A - Courtyard

- Internal courtyard
- Waterplay central feature kinetic and colourful
- Activated edges
- Kauri trees relocated to frame space
- Retained urban canopy add hanging plants and climbers



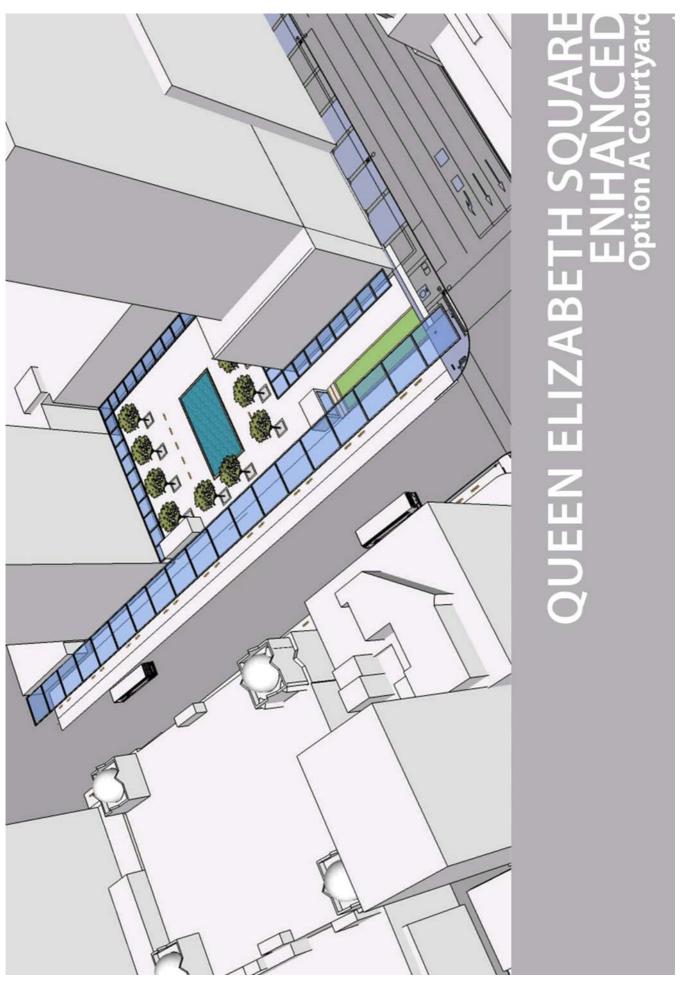




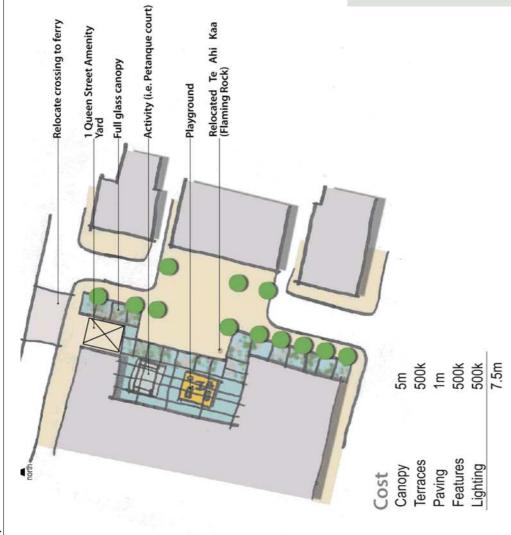


- There are some improvements that could lift current absence of use
- Re-arrange layout to create central interest and provide continuous shelter and activity around the edge
- Results would not be a dramatic improvement

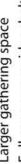
IZABETH SQUARE ENHANCED











Greater foot traffic through space Full canopy provides shelter

Activity generators

Bus movement restricted to Tyler Street and Galway Street



- Not a direct route weaker link
- Canopy area part of Mall, not true open space
- Sizeable expense
- Not an appropriate space for mana whenua to welcome visitors

- Connecting canopy realigned
- Frames central paved square
- Entry garden edges square
- Activity generators Queen Elizabeth Square eg playground



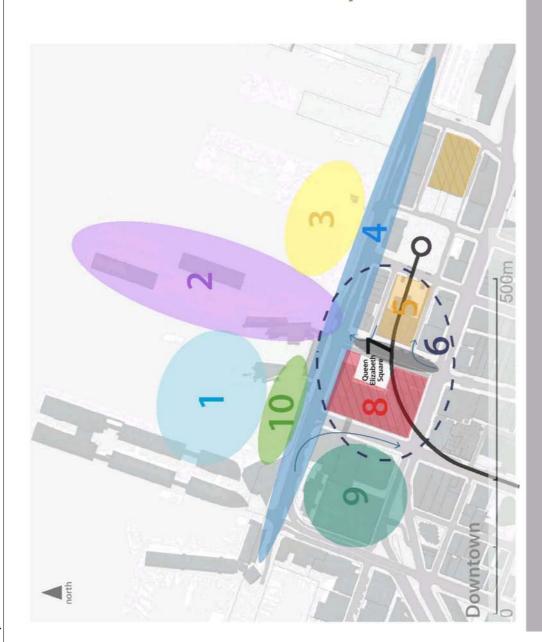


strium space would become more of a retail

leak link along Lower Queen Stree







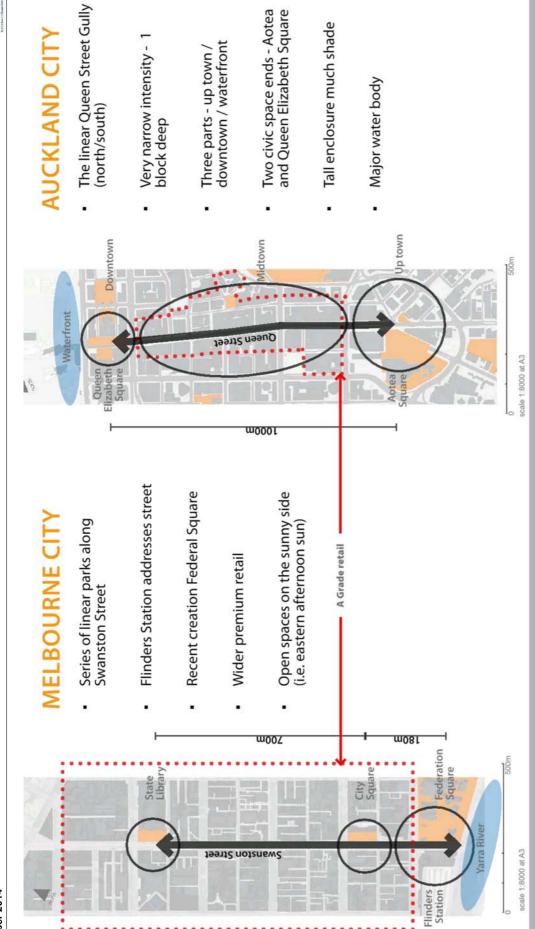
Ferry Basin

Item 12

- **Queens Wharf**
- Admiralty Steps
- **Quay Street**
- Britomart
- Public Transport Hub
- **Downtown Shopping Mall** CRL & Lower Queen Street
- Lower Hobson Street
- 10 Lower Albert Street

Nothing specifically considered for Queen Elizabeth Square which is in the centre of the downtown area?

Currently in the downtown area there is massive amount of comprehensive



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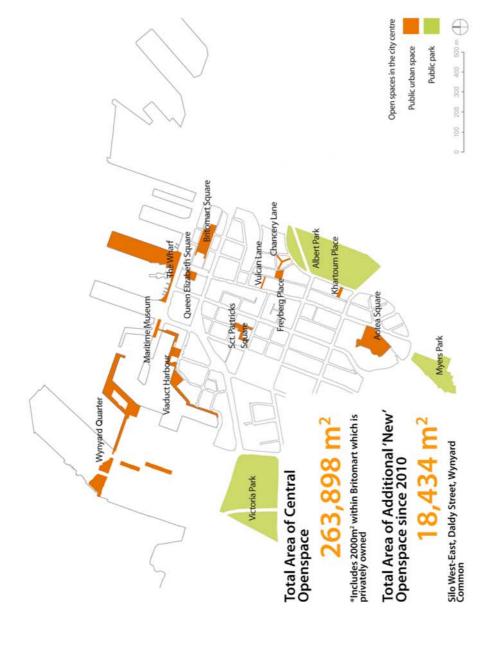
Historically the spine/axis is anchored by civic open space both ends

Naitemata

High quality open space is a critical part of a successful urban fabric



Item 12



of recorded activities between 12 pm and 4 pm on a weekday involve sitting The open spaces are mostly used for sitting

Gehl Architects, Urban Quality Consultants. Auckland Public Life Survey, July 2010. Pg 41

SNAPSHOT

- 1. Lack of diversity & hierarchy very little variation in use
- 2. Poor provision of open spaces, particularly urban spaces quality and quantity
- network poorly connected 3. Fragmented public space

Based on Gehl Architects, Urban Quality Consultants. Auckland Public Life Survey, July 2010. Pg 40

- The picture of open space currently is not one of a strongly coherent element
- Huge potential for more varied, greater volume and more coherence and connectivity Since 2000 there has been more open space added e.g. Wynyard Quarter and Britomart
 - More to come in areas such as Queens Whar



Sport & Active Recreation Landscape & Amenity Informal Recreation Historic Heritage Parks Ecological Civic Space Neighbourhoods This section gives best practice design guidance that should be applied in the design of all parks, whether a beach front park, a bustling town square, a native bush area, or a multifunctional park that combines all three All Parks Buildings + Sites arks are our beloved pur elp protect our natural e paces for people to enjo Parks Vgā Papa Réhia

Open Space Relevant to Downtown:

IVIC SPACE



Public squares and plazas typical found in urban areas or town centres, which support a variety of activities, gatherings and events.

Aotea Square, Auckland

NFORMAL RECREATIONAL SPACE Flexible spaces enjoyed for informal recreation, typical features include: flat grassy open spaces, beaches, play spaces or picnic areas.

Say Auckland

Judges Bay, Auckland

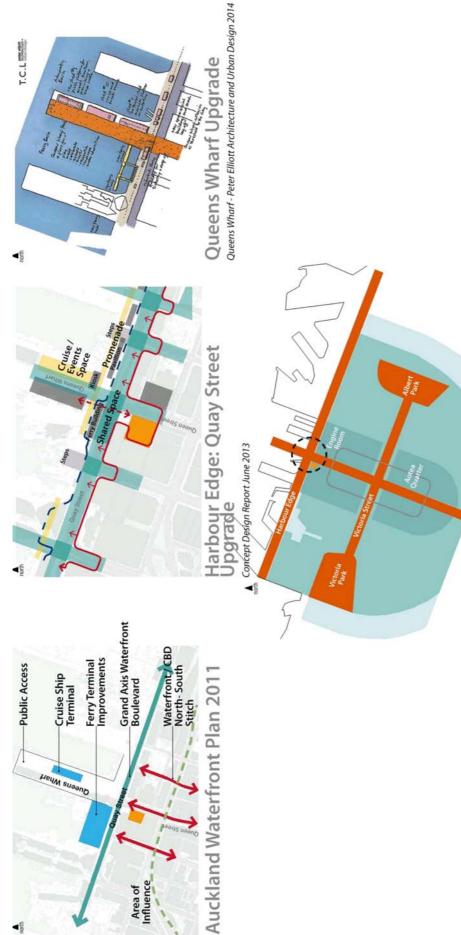
arks - Auckland Design Manual, 2013

Auckland Council has begun creating methods to deliver quality spaces

Using the Auckland Design Manual (ADM) open space guidance, two types are the most relevant in the downtown area: civic gathering and informal recreational spaces

AUCKLAND DESIGN MANUAL Open Space Guidelines 2013





City Centre Masterplan 2012

- Council strategies all underline the importance of the north-south stitch, Queen Street the most dominant
- Currently Queen Elizabeth Square does not reinforce this junction
 - The east west harbour edge axis is a critical component

COUNCIL STRATEGIC

SIsqioniy MOA



Open opace types

RECREATION	 Very accessible 	Multi functional from play to walkingGood views	Sheltered and sunnyLocate near amenities especially water	 Cater for range of users
CIVIC	 On busy routes and at significant sites 	Large space for events, gathering and ceremoniesComfortable and safe	Strong identity and heritageCommunity facilities	Cater for pedestriansActive edges and extended hours
lis	connect	enjoy	treasure	utilise

From the ADM there are several basic design principles that should be the considered in the planning of open space in the downtown area

EVALUATION CRITER



POSSIBLE OPEN SPACES WITHIN A BLOCK OF QUEEN ELIZABETH SOUARE:

- la Queen Elizabeth Square (enhanced)
- 1b Queen Elizabeth Square (enhanced) and Civic Space infront of CPO Building
- 2 Lower Queen Street
- 3 Extension to Takutai Square and Te Ara Tahuhu Walkway

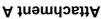
Queen Elizabeth/ Square/

- 4 Queen Street pedestrian space (Customs Street to Fort Street)
- 5 Lower Hobson Street (re con figured)6 Lower Albert Street Landing
 - 7 Queens Landing
- 8 Admiralty Steps Landing

 Difficult to create new space in the densely developed area

Looked at all viable possibilities within a couple of blocks from the site - there are eight possible sites.

ALTERNATIVE SPACES to Queen Elizabeth Square





Possible open spaces within a block of Queen Elizabeth Square

			,	į	((,	ι	,	1	(
	ADM Principles - Evaluation Criteria	Iteria	<u>a</u>	<u>Q</u>	7	n	4	٠	٥	,	œ
	On busy routes and at significant sites		2	2	3	-	3	2	3	8	3
	Large space for events, gathering and ceremonies	eremonies	1	3	8	-	1	1	2	2	3
	Comfortable and safe		2	£	ဗ	2	2	-	æ	e	n
⊃i⁄	Strong identity and heritage		-	e	. 60	-	en:	-	8	e	6
V!D	Community facilities		•	3	3	-	2	-	2	2	8
	Cater for pedestrians		2	3	3	2	e	2	2	2	2
	Active edges and extended hours		+	2	3	1	3	-	2	2	2
		Subtotal	10	19	21	6	11	6	11	17	19
	Very accessible		2	2	8	2	e	2	60	60	89
	Multi functional from play to walking		-	-	-	-	-	-	2	2	3
En	Good views		-	·	2	-	-	-	m	e	e
ווג	U Sheltered and sunny		-	-	· er	2	2	-	8	3	6
ju	Locate near amenities especially water		2	2	-	-	-	-	3	3	8
١	Cater for range of users		2	2	2	1	T.	·	2	2	3
		Subtotal	6	6	12	60	6	7	16	16	18
	1 Low 2 Medium 3 High	GRAND TOTAL	19	78	33	17	56	16	33	33	37

- Applying the ADM planning principles to the 8 spaces
 - Even in the enhanced Queen Elizabeth Square version the space only rates half of total possible score
- Lower Queen Street clearly rates the highest as a civic gathering space
 - The nearby waterfront space rates highly as informal recreational space

ATTRIBUTE ASSESSMENT



NALYSIS OF OE SOUARE **E OPTIONS**

Wana / Rangatiratanga

The existing Queen Elizabeth Square space lacks the capacity for Mana whenua to exercise welcoming and hosting visitors at the maritime gateway to the city. A waterfront space also particular the Admiralty basin) is well suited to enables local lwi to enhance their waka culture their kaitiaki and manaakitanga roles and responsibilities while a waterfront space (in activities as mana whenua and mana manā.

Whakapapa / Names and Naming:

waterfront offers the opportunity for mana whenua ancestral names and cultural narratives The development of a new public space on the associated with the area to be celebrated in the names of the new spaces.

Admiralty basin in particular links strongly to the Waitematā, Takarunga (Mt Victoria) Maunga a Uika (North Head), Rangitoto and to many other significant mana whenua landmarks. As a largely enclosed public space Queen Elizabeth Square lacks connections to critical natural features and landmarks whereas the

Mauri tā:

and a renewed physical connection to the Waitematā allows for a stronger mana whenua focus on water quality. As kaitiaki with a physical A new public space on the downtown waterfront base at the downtown waterfront area, mana whenua will be more readily able to monitor, support and encourage efforts to enhance the water quality of the inner harbour.

Taiao:

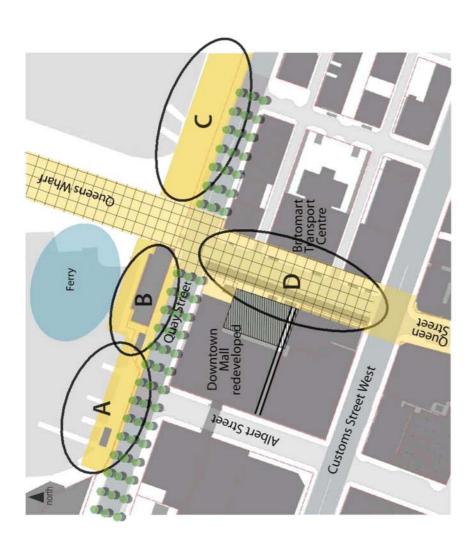
to be involved in naturalising both the harbour edge and wharf areas with locally significant materials and plantings which will encourage native bird and marine life and enhance the offers significant opportunities for mana whenua A new public space on the Downtown Waterfront attractiveness of this public space for all users.

narratives can find creative expression within the The development of a new high profile public space offers the opportunity for mana whenua creative engagement at all levels ensuring that appropriate historical and contemporary cultural physical realm.

Ahi ka:

manaakitanga responsibilities while providing a unique Māori and Pacific presence as part of the based in the Admiralty Basin with appropriate land and water based facilities will enable A waka culture centre and or a whare manaaki mana whenua to exercise their kaitiaki and maritime gateway to the city.

- Applying the Te Aranga design principles from the ADM reinforces the urban design analysis Oueen Elizabeth Square lacks meaningful
- spaces for Maori ceremony and expressions connections for mana whenua

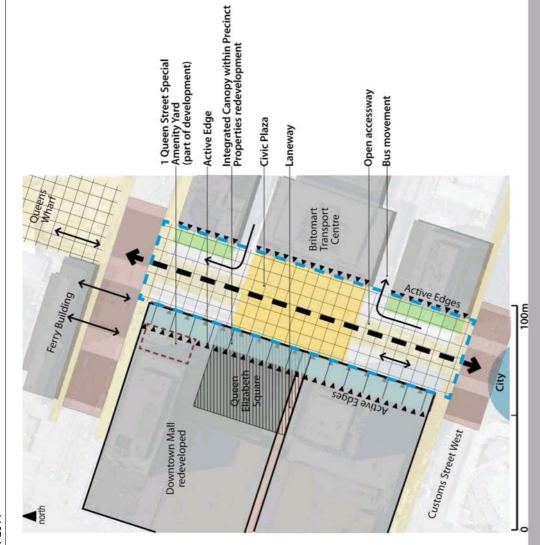


- A Lower Albert Street
- Base of Queens Wharf B
- Admiralty Steps
- Lower Queen Street **Pedestrianised** Δ
- Dedicated civic and recreational space
- More and better public open space 7
- Connected and integrated s.

7

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Suggested provision allows a legible network of closely connected spaces dedicated to specific Downtown block is an integrated part of the open space network with internal cross block public lane and low scale continuous active provides greater edge reinforcing Lower Queen Street





Visualisation of Lower Queen Street, City Rail Link Project Report

- large central pedestrian plaza for gathering and events with a long active edge. Upgraded lower Queen Street featuring
- Lower Queen Street will function as a strong link between the city and the waterfront.
- Gateways will define the entry to the open space.
- The main entry to the precinct development will be mid block opposite the transport centre and link to Albert Street via internal laneway.
- Size 4941m²

8 8

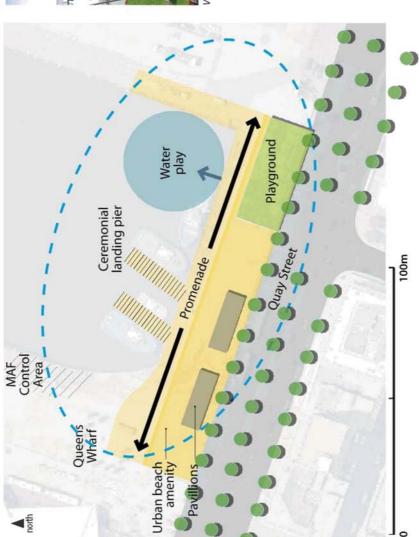
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Keeping any new building in the existing Queen Elizabeth Square space to a maximum of three

Shopping Centre along lower Queen Street and connecting with a 24/7 public lane to Albert Providing a major entrance to the Downtown

especially centrally, reinforcing the on both sides of lower Queen street







isualisation of Admiralty Steps: Harbour Edge: Quay Street Upgrade Concept Design Report

- The eastern side of Queens Wharf offers a sunny quiet 'urban beach'
- A gateway and ceremonial water edge area which is supported by mana whenua
 - Space for playground and water play
- Opportunity to support waka culture

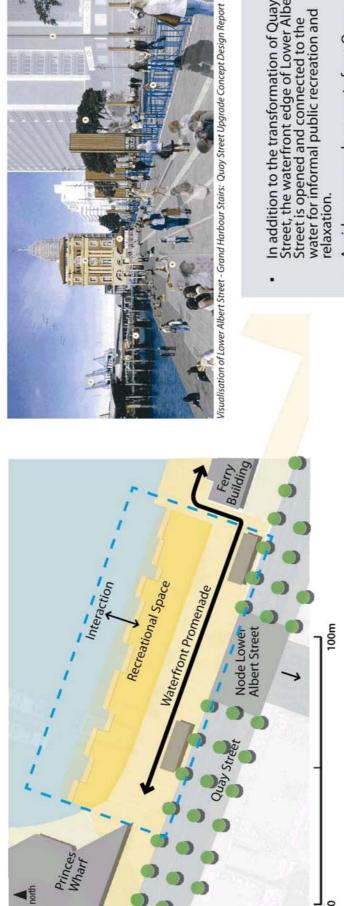
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Develop as a wide and generous open space for Minimal built form allowed

Dependant on negotiations with Ports of Auckland to acquire



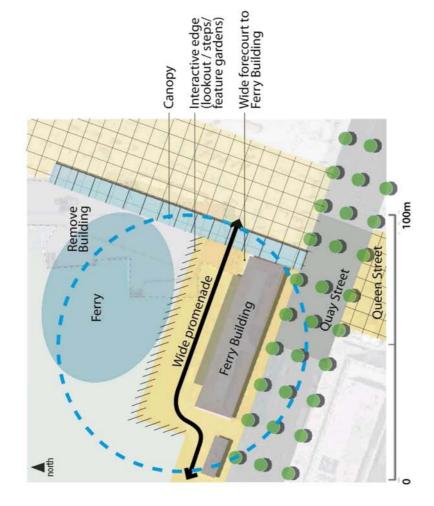


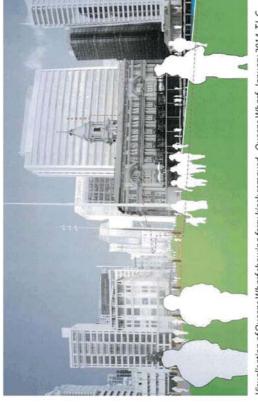
- In addition to the transformation of Quay Street, the waterfront edge of Lower Albert Street is opened and connected to the water for informal public recreation and relaxation.
- A wide promenade separate from Quay Street will link Princes Wharf to Queens Wharf.

Keep area open preferably with the relocation of ferry's away towards Queens wharf Provide a larger space into the harbour for greater promenading and events

0 0 a a







Visualisation of Queens Wharf showing ferry kiosk removed - Queens Wharf-January 2014, T.L.C

- A new public open space is proposed where currently there is a constriction and separation with the removal of the ferry terminal building.
- links across the base of Queens Wharf
 this centre piece in the coastal necklace
 will connect the city directly with the A clear and wide pedestrian promenade Waitematā

Removes clutter at base of Queens wharf and makes more of a central feature of the Ferry

Requires synergy with re developed ferry facilities up Queens wharf promenading

Potential for informal gathering and

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Item 12



Divest Queen Elizabeth Square:

- Develop a masterplan to direct the design of individual projects in this downtown area:
- Create an upgraded Lower Queen Street as a civic space –the new Queen Elizabeth Square with a generous pedestrian connection between the city and the water
- Develop a new set of water's edge public use and enjoyment - the three landings identified; Lower Albert, base of Queens Wharf and/ open up the central waterfront to to the base of Queen Street that recreational open spaces near or Admiralty Steps
- The development of Admiralty Steps would provide a significant ceremonial arrival space for mana whenua.

Work with Precinct Properties to ensure:

- Proposed development to have main entry off Lower Queen Street
- active edges along Lower Queen Street Create a sheltered and continuous
- Provide a laneway, open 24/7 between Lower Queen and Albert Streets Accommodate buses on Lower Albert
- Retain strong visual connections across amenity yard in front of 1 Queen Street

RECOMMENDATIONS

