

Sydney Metro

Pitt Street South Over Station Development (PSS OSD)

[I] Landscape design report

State Significant Development. Development Application (SSD DA)

Prepared for : Pitt Street Developer South Pty LTD

date : 28 August 2020

revision : D

issue for: SSD DA Stage 02 - response to submission

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| Revision | Date |
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Based on drawings prepared by;
Bates Smart Architects - A3 Drawings - issued 18th August
Wind Impact Assesment prepared by CPP

contents

This report contains supporting information to the SSDA drawing set.

Summary

| | |
|-----|--------------------------------------|
| 1.0 | executive summary |
| 1.1 | introduction |
| 1.2 | SEAR's requirement |
| 1.3 | the site |
| 1.4 | sydney metro |
| 1.5 | pitt street over station development |

Landscape

| | |
|-----|-------------------|
| 2.0 | landscape context |
| 2.1 | landscape vision |

Level 02

| | |
|-----|-------------|
| 3.0 | concept |
| 3.1 | plan |
| 3.2 | detail plan |
| 3.3 | section |
| 3.4 | materials |
| 3.5 | planting |

Level 06

| | |
|-----|-------------|
| 4.0 | concept |
| 4.1 | plan |
| 4.2 | detail plan |
| 4.3 | section |
| 4.4 | materials |
| 4.5 | planting |

Level 35

| | |
|-----|-------------|
| 5.0 | concept |
| 5.1 | plan |
| 5.2 | detail plan |
| 5.3 | sections |
| 5.4 | materials |
| 5.5 | planting |

1.0 executive summary

Landscape draws together aspirations of wellness, amenity and landscape performance within the Over Station Development South by collocating outdoor terraces with communal rooms across the development.

The terrace designs reconciling use, comfort, flexibility, sustainability and provide a connection to urban nature with building systems and design controls. The design conforms to the relevant Apartment Design Guidelines (ADG), and Green Star performance objectives.

1.1 introduction

This report has been prepared to accompany the Response to Submissions response relating to the detailed State Significant Development (SSD) development application (DA) for a residential over station development (OSD) above the new Sydney Metro Pitt Street South Station. The detailed SSD DA is consistent with the Concept Approval (SSD 17_8876) granted for the maximum building envelope on the site, as proposed to be modified.

The Minister for Planning and Public Spaces, or their delegate, is the consent authority for the SSD DA and this application is lodged with the NSW Department of Planning, Industry and Environment (NSW DPIE) for assessment.

This report has been prepared in response to the requirements contained within the Secretary's Environmental Assessment Requirements (SEARs) dated 28 October 2019.

The detailed SSD DA seeks development consent for the construction and operation of

- new residential tower with a maximum building height of RL 171.6, including residential accommodation and podium retail premises, excluding station floor space
- use of spaces within the CSSI 'metro box' building envelope for the purposes of:
 - Retail tenancies;
 - Residential communal facilities, residential storage, bicycle parking, and operational back of house uses
 - Shared vehicle loading and service facilities on the ground floor
 - Landscaping
 - Utilities and services provision.
 - Stratum subdivision (Station/OSD).
- integration with the approved CSSI proposal including though not limited to:
 - Structures, mechanical and electronic systems, and services; and
 - Vertical transfers

This report has been prepared in response to the requirements contained within the SEARs dated 28 October 2019. Specifically, this report has been prepared to respond to SEARS requirement three 'Design Excellence and Built Form - Landscape Design' summarised in table below.

| SEAR's requirement | description of requirement | section reference |
|---|--|-------------------|
| SEARS 3 Design excellence and built form (Landscape Design) | a) Demonstrate how the landscape design will be integrated into the building design, contributing to design excellence, Ecologically Sustainable Development and building amenity, meeting the recreation needs of residents. b) Provide Landscape Statement considering: i) how residential amenity needs will be met and how planting on structure will be achieved. ii) Safe maintenance access and the impact of microclimatic conditions should be considered for all outdoor spaces. iii) Public domain plans defining extent of works (if any proposed) | 1.2 |

1.2 SEAR’s requirement

a) Demonstrate how:

i) the landscape design will be integrated into the building design.

Within the building landscape is coincident with communal rooms on levels 2, 6 and 35. Immediately welcoming residents to these facilities. Garden terraces signifying communal use and offering a green outlook and choreographed scenography from the interior that also reduces glare, foregrounds views and screens neighbours. Conditioning the interior spaces while inviting residents outside on levels 2 and 35.

Each space responds to adjoining uses, aspect and elevation. Drawing on the materiality and language of the architecture, addressing structure and reconciling building services. Ensuring the landscape is in visual dialogue with the building.

Materials and planting profiles have been designed for longevity and ease of maintenance, services are accessible and outdoor spaces are set level with the interior to seamlessly extend inside to out.

ii) contributing to design excellence

In the South design excellence is understood in three parts:

- Landscape terraces are coincident with communal rooms and are accessible and welcoming on levels 02 + 35. The level 6 terrace while non accessible to residents is a viewing garden filtering sight lines between this building and the neighbouring Princeton Apartments for all residents.
- Landscape terraces match habitable space and recreational amenity with substantial areas of planting.
- Landscape elements have been designed for longevity, durability and sustainability.

iii) Ecologically Sustainable Development and building amenity

Building amenity and comfort has been improved by the addition of an awning that mediates the effects of heat and wind on the level 35 terrace.

All planter beds provide soil depth and volumes in accordance with the ADG to maximise the water holding capacity and increase the resilience of the landscape to urban climatic extremes.

The collection and reuse of rainwater for irrigation contributing to both the viability of the planting and the green credentials of the building. The reduction in pavement areas and the reflected heat and glare from these surfaces, also contributing to a cooler city.

Importantly these landscape terraces also bring residents in contact with nature. Making places of shared habitat with plants, birds, small insects and pollinator species and places to experience natural phenomena- fresh air, light, shadows and the passage of the sun across the sky.

iv) meeting the recreation needs of residents

Level 2
A small garden terrace adjoining the social lounge and co-working space adds to the atmosphere and amenity of this room. The space functions as both a viewing garden and an outdoor workspace, with moveable seating and tables furnishing the terrace.

Level 6
A wellness and recreational facility at level 6 adjoins a south facing non accessible terrace. Here planting brings a sense of landscape and constructed nature to this space, while filtering views between the group fitness rooms and neighbouring Princeton Apartments. A plant room in the western extent of the terrace is finished with a green roof at eye level.

Level 35
At roof level a rooftop lounge opens to a generously scaled terrace, where shade, lounges, seating and barbeques combine to form an elevated garden that takes in the city skyline, Hyde Park and the harbour landscape. It is a flexible space that caters to both formal and informal use.

b) Provide a landscape Statement considering;

i) how residential amenity needs will be met (refer item a above)
how planting on structure will be achieved

Level 2
A raised edge in combination with set downs in the slab allow for soil depth which supports planting in accordance with the ADG.

Level 6
The terrace is a viewing garden for the wellness and recreational terrace and for neighbouring residents. A plant room in the western extent of the terrace is finished with a green roof that allows for low planting. Two elongated planter boxes add to the composition and give a geometric frame to the terrace. The planters accommodating a 1000mm soil depth to support tree planting and screening.

Soil depths are in accordance with the ADG.

Level 35
Raised planter beds allow for soil depths of 300 - 550mm in accordance with the ADG.

ii) safe maintenance access

On levels 2 and 35 landscape is set inside the balustrade, so there are no areas where fall safety harnessing is required to maintain planting.

As there are no perimeter balustrades on level 6 maintenance personnel access this space connected to static lines and harnesses to prevent falls.

Facade maintenance access and operational procedures will be further developed during Design Development

ii) the impact of microclimatic conditions should be considered for all outdoor spaces.

Level 2
As a largely internalised space this terrace garden responds to the low light conditions with lush perennial plantings. Making a desirable open-air breakout or workspace for most of the year.

Level 6
The level 6 terrace is on the southern side of the building limiting natural light to the area for most of the year but in these low light conditions plantings give this space a lush rainforest character.

The addition of a copse of trees mediate the visual impact of the Princeton Apartments to the south.

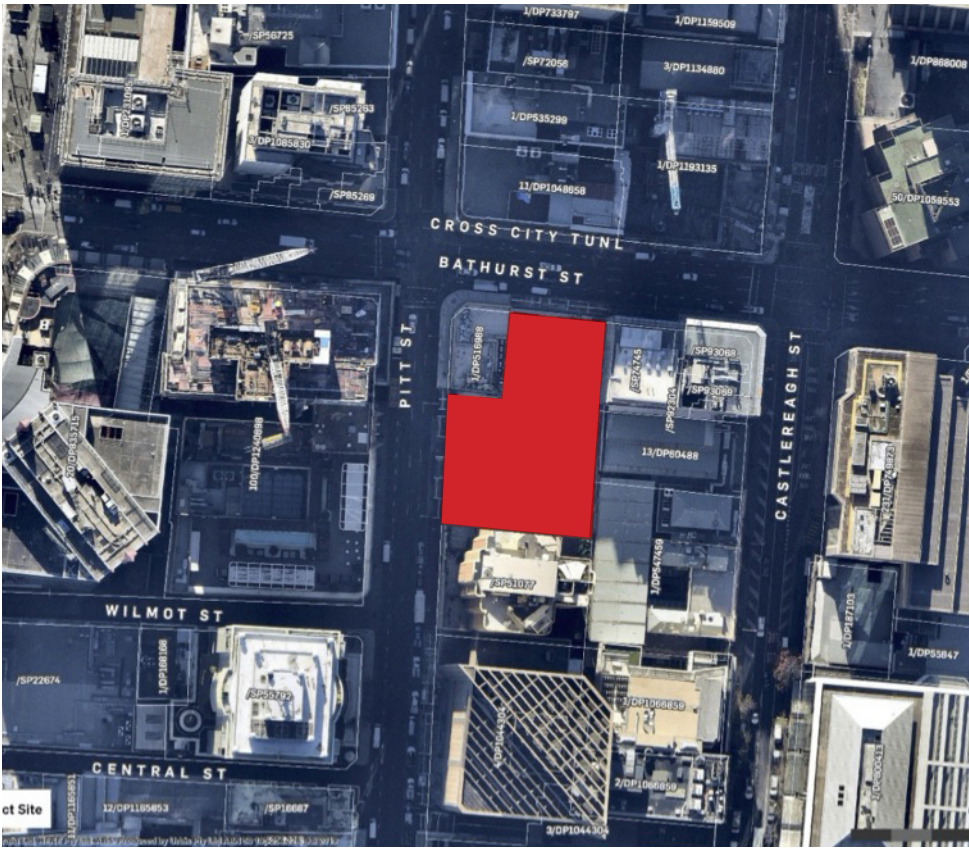
Level 35
A large pergola on the northern extent of the terrace moderates the wind and improves comfort levels for sitting at this elevation.

iii) Public domain plans defining extent of works (if any proposed)
Not applicable

1.3 the site

The site is located within the Sydney CBD, on the corner of Bathurst Street and Pitt Street. It has two separate street frontages, Pitt Street to the west and Bathurst Street to the north. The area surrounding the site consists of predominantly residential high-density buildings and some commercial buildings, with finer grain and heritage buildings dispersed throughout.

The site has an approximate area of 1,710sqm and is now known as Lot 10 in DP 1255507. The street address is 125 Bathurst Street, Sydney.



Location plan

1.4 Sydney Metro

Sydney Metro is Australia's biggest public transport program. A new standalone railway, this 21st century network will revolutionise the way Sydney travels.

There are four core components:

- Sydney Metro Northwest (formerly the 36km North West Rail Link) This project is now complete and passenger services commenced in May 2019 between Rouse Hill and Chatswood, with a metro train every four minutes in the peak. The project was delivered on time and \$1 billion under budget.

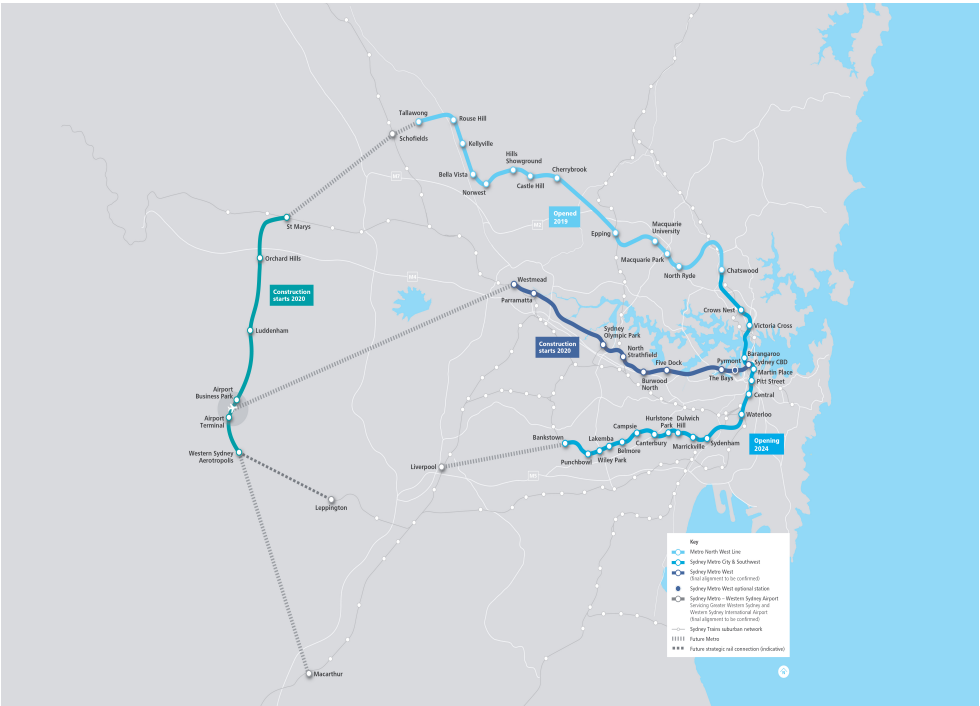
- Sydney Metro City & Southwest Sydney Metro City & Southwest project includes a new 30km metro line extending metro rail from the end of Metro Northwest at Chatswood, under Sydney Harbour, through new CBD stations and southwest to Bankstown. It is due to open in 2024 with the ultimate capacity to run a metro train every two minutes each way through the centre of Sydney. Sydney Metro City & Southwest will deliver new metro stations at Crows Nest, Victoria Cross, Barangaroo, Martin Place, Pitt Street, Waterloo and new underground metro platforms at Central Station. In addition it will upgrade and convert all 11 stations between Sydenham and Bankstown to metro standards. In 2024, customers will benefit from a new fully-air conditioned Sydney Metro train every four minutes in the peak in each direction with lifts, level platforms and platform screen doors for safety, accessibility and increased security.

- Sydney Metro West Sydney Metro West is a new underground railway connecting Greater Parramatta and the Sydney CBD. This once-in-a-century infrastructure investment will transform Sydney for generations to come, doubling rail capacity between these two areas, linking new communities to rail services and supporting employment growth and housing supply between the two CBDs. The locations of seven proposed metro stations have been confirmed at Westmead, Parramatta, Sydney Olympic Park, North Strathfield, Burwood North, Five Dock and The Bays.

The NSW Government is assessing an optional station at Pyrmont and further planning is underway to determine the location of a new metro station in the Sydney CBD.

- Sydney Metro Western Sydney Airport Metro rail will also service Greater Western Sydney and the new Western Sydney International (Nancy Bird Walton) Airport. The new railway line will become the transport spine for the Western Parkland City's growth for generations to come, connecting communities and travellers with the rest of Sydney's public transport system with a fast, safe and easy metro service. The Australian and NSW governments are equal partners in the delivery of this new railway.

The Sydney Metro Project is illustrated in the figure below.



Sydney Metro Alignment Map
source : Sydney Metro

On 9 January 2017, the Minister for Planning approved the Sydney Metro City & Southwest - Chatswood to Sydenham project as a Critical State Significant Infrastructure project (reference SSI 15_7400) (CSSI Approval). The terms of the CSSI Approval includes all works required to construct the Sydney Metro Pitt Street Station, including the demolition of existing buildings and structures on both sites (north and south). The CSSI Approval also includes construction of below and above ground works within the metro station structure for appropriate integration with over station developments.

The CSSI approval included Indicative Interface Drawings for the below and above ground works at Pitt Street South metro station site. The delineation between the approved Sydney Metro works, generally described as within the “metro box”, and the OSD elements are illustrated below. The delineation line between the CSSI Approved works and the OSD envelope is generally described below or above the transfer slab level respectively.

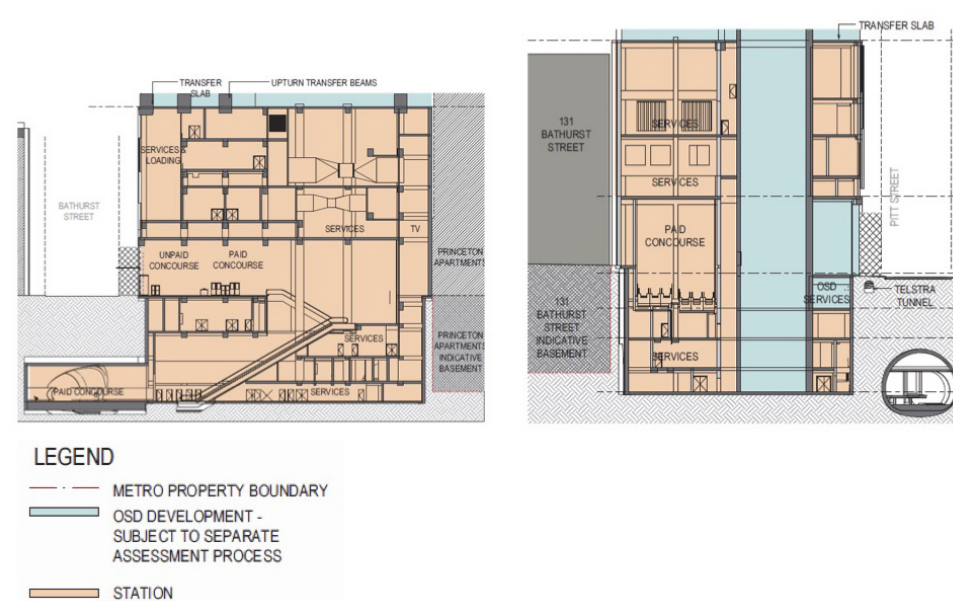
1.5 Pitt Street South Over Station Development (OSD)

Development consent was granted on 25 June 2019 for the Concept Development Application (SSD 8876) for Pitt Street South OSD including:

- a maximum building envelope, including street wall and setbacks for the over station development
- a maximum building height of RL171.6
- podium level car parking for a maximum of 34 parking spaces.
- conceptual land use for either one of a residential or commercial scheme (not both). No maximum Gross Floor Area was approved as part of SSD 8876.

The building envelope approved within the Concept SSD DA provides a numeric delineation between the CSSI Approval “metro box” envelope and the OSD building envelope. As illustrated in the figures below, the delineation line between the two projects is defined at RL 58.25 (Level 7).

For the purposes of the Detailed (Stage 2) SSD DA, it is noted that while there are two separate planning applications that apply to the site (CCSI and SSD DA), this landscape design report addresses the full development across the site to provide contextual assessment.



Pitt Street Station (North-South Section)

Pitt Street Station (East-West Section)

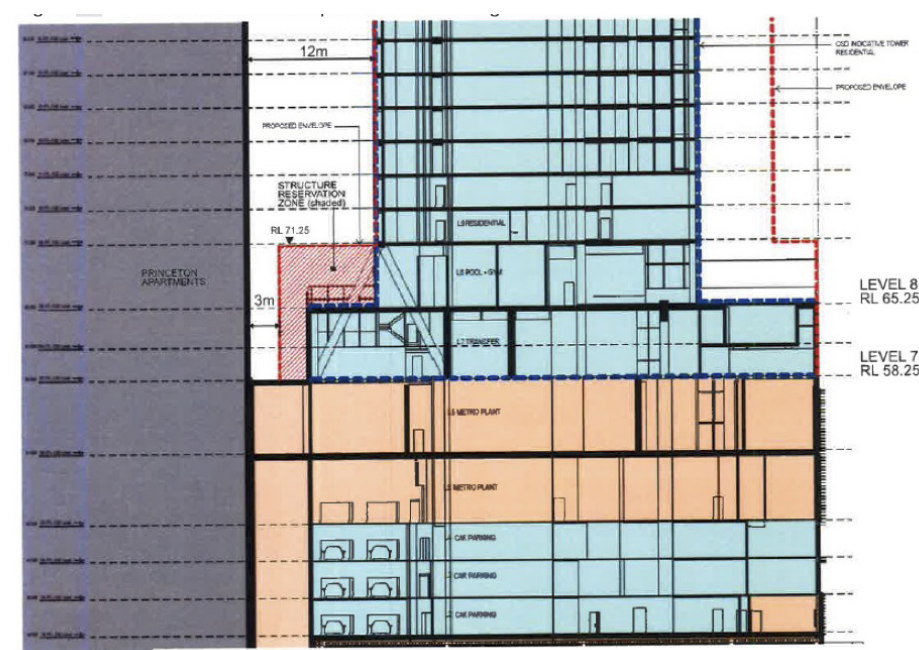
source : CSSI Preferred Infrastructure Report (TfNSW)

The Preferred Infrastructure Report (PIR) noted that the integration of the OSD elements and the metro station elements would be subject to the design resolution process, noting that the detailed design of the “metro box” may vary from the concept design assessed within the planning approval.

As such in summary:

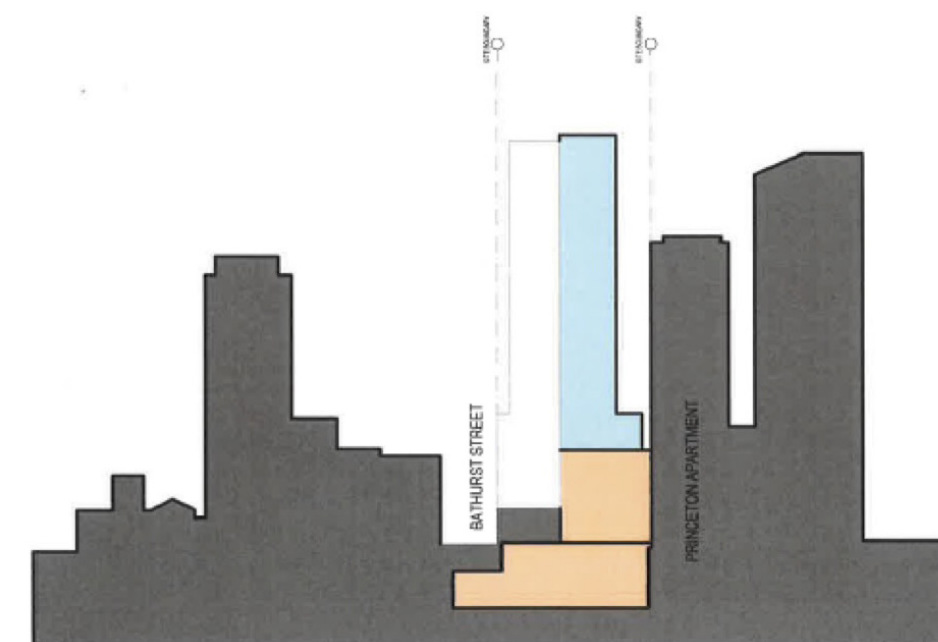
- the CSSI Approval provides consent for the construction of all structures within the approved “metro box” envelope for Pitt Street South
- the CSSI Approval provides consent for the fit out and use of all areas within the approved “metro box” envelope that relate to the ongoing use and operation of the Sydney Metro
- the CSSI Approval provides consent for the embellishment of the public domain, and the architectural design of the “metro box” envelope as it relates to the approved Sydney Metro and the approved Pitt Street South Station Design & Precinct Plan
- separate development consent however is required to be issued by the NSW DPIE for the use and fit-out of space within the “metro box” envelope for areas related to the OSD, and notably the construction and use of the OSD itself.

As per the requirements of clause 7.20 of the Sydney Local Environmental Plan 2012, as the OSD exceeds a height of 55 metres above ground level (among other triggers), development consent is first required to be issued in a Concept (formerly known as Stage 1) DA. This is described below.



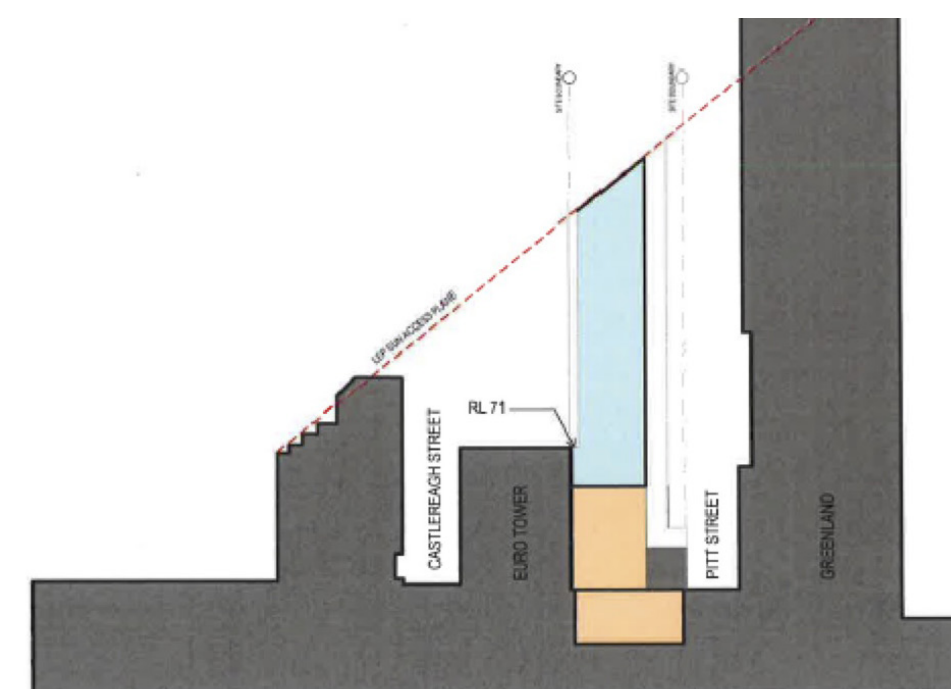
Pitt Street South Concept SSD DA - Building Section

source : SSD 8876 Concept Stamped Plans



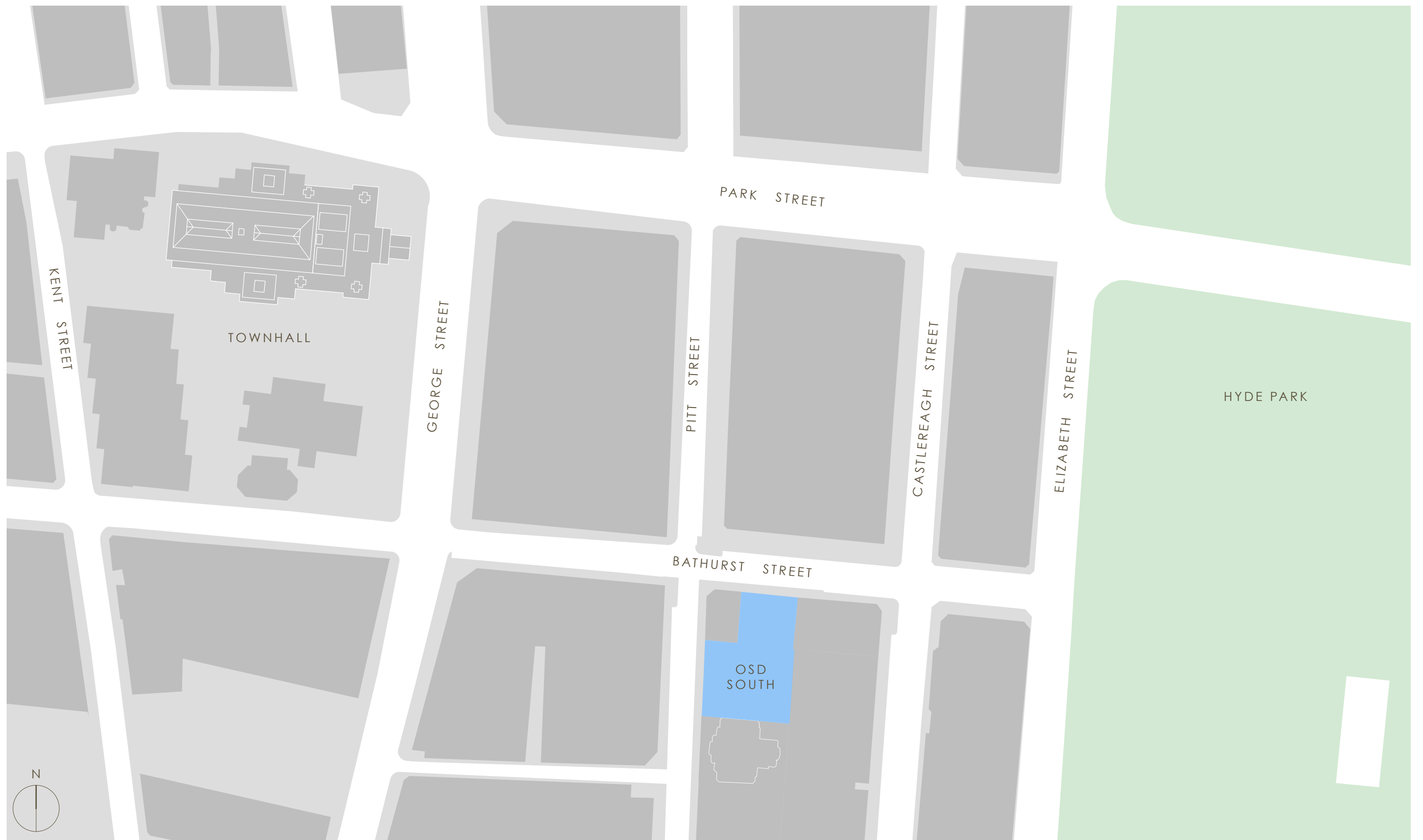
Pitt Street South Concept SSD DA - North South Section

source : SSD 8876 Concept Stamped Plans



Pitt Street South Concept SSD DA - East West Section

source : SSD 8876 Concept Stamped Plans



Landscape context plan

2.0 landscape context

The siting of Pitt St metro on Park and Bathurst streets signals the pre-eminence of these cross-city connections and the potential of these streets as future city boulevards. The immediate connections to the City's public spaces, its plazas, parklands and cultural institutions, gives both the site deeper resonance and landscape significance.

The first order issue is to ensure the public domain is clear, legible, safe and comfortable for all. The equal and complementary move is to amplify the sense of landscape within each of the OSDs. Matching urban scale initiatives with smaller site-specific interventions that heighten the contribution of landscape to the life and performance of each building. Giving greater presence to the biotic, the sensate and the ecological within each tower.

2.1 landscape vision

The Pitt Street South OSD is a residential building focused on a new form of city living. The build to rent housing model offering high quality, well designed and 5 Star Green Star Rated apartments for rental within the centre of the city. The apartment design matched by a new level of services and residential facilities that bring comfort, convenience and amenity together for down-sizers, international students, professionals young and old, young families, pied a terre living.

It is in these communal spaces that landscape is given a particularity and presence. Adding to the life of these community spaces while returning green open space to the urban landscape.

At level 2 a small garden terrace adjoining the residential lounge and co-working space adds to the atmosphere of this room. A wellness and recreational facility at level 06 culminates with a viewing garden to the south. At level 35 on the roof, a communal dining room opens to a generously scaled terrace, where shade, lounges, seating and barbeques combine to form an elevated garden that takes in the city skyline, Hyde Park and the harbour landscape.

Architecturally the building is closely attuned to its context with the materials palette for the tower drawing from the neighbouring heritage listed buildings. The distinctive mauve and red hues of the new façade drawn from the distinctive brickwork of the old buildings. This in turn informs the landscape design, materials, palette and planting selection.

3.0 level 02 - concept

A social lounge and co-working space is situated on the second floor where a small outdoor terrace captures afternoon sunlight and views to the handsome MWS&D Board Building, now the Primus Hotel on Pitt Street.

The terrace stretches across the full width of the façade making a garden space parallel with a small meeting room, a wider break out space beside the lounge and area adjoining the co-working space. Here movable seats and tables are positioned providing a place where residents can sit and work within this small open-air garden.

A raised edge in combination with set downs in the slab allow for a typical soil depth of 500mm which supports lush shade tolerant perennial planting in accordance with the ADG. The planting bed will be irrigated and glazing between the precast concrete panels of the façade will protect planting from low level winds while ensuring balustrade and fall height compliance.

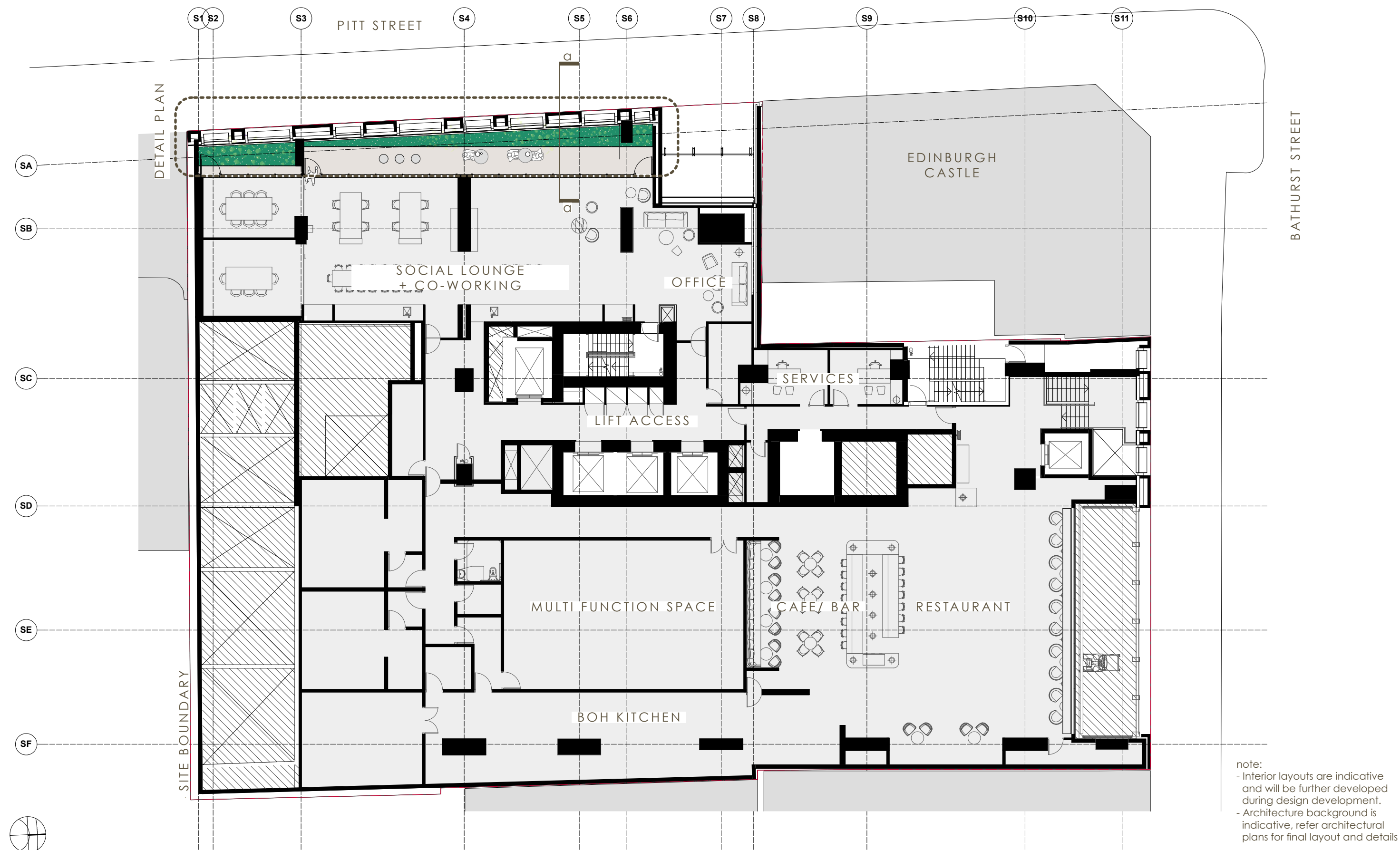
Preliminary Materials Selections

Paving & garden edge - to be further developed during design development phase.

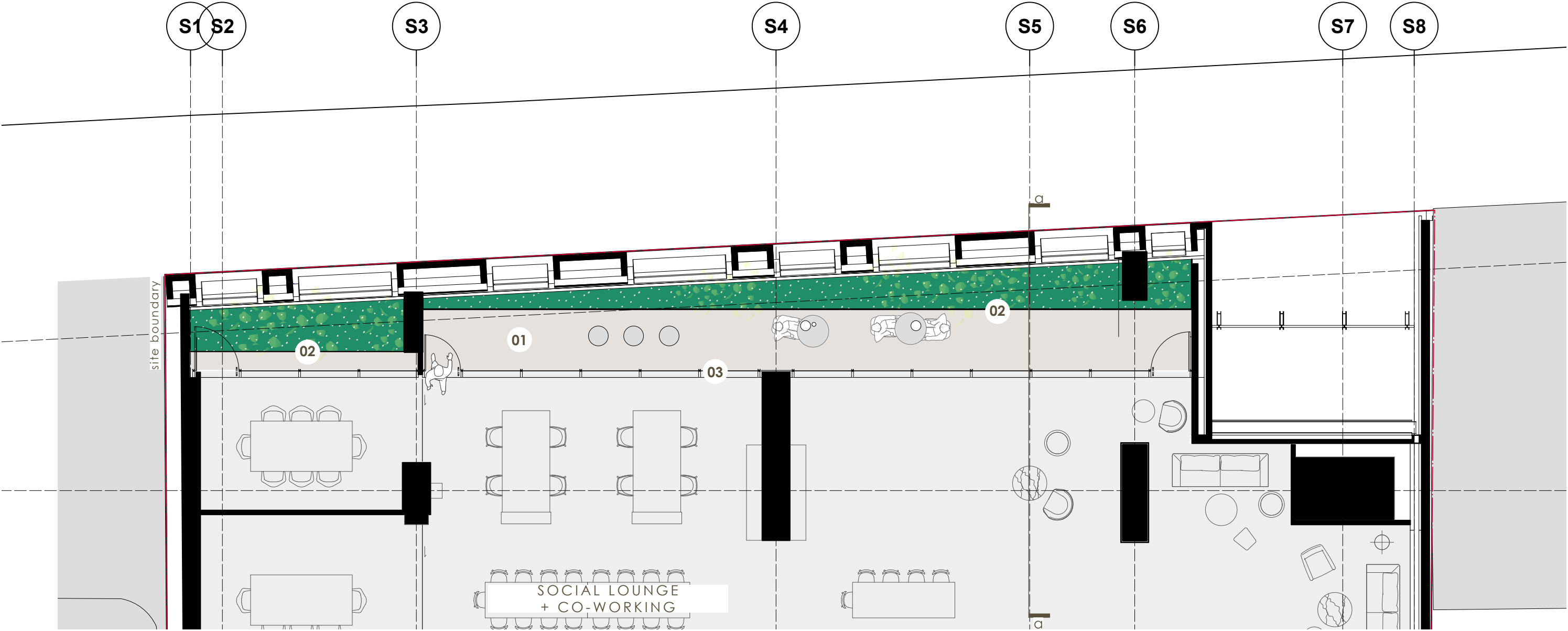
Furniture - tables & stools - to be further developed during design development phase.

Planting - understorey - lush shade tolerant perennials with hints of brown mauve & white to match the façade.

3.1 level 02 - plan



3.2 level 02 - detail plan



legend

- 1 paved balcony
- 2 low mass planting with a thin built edge provides a green outlook from inside. planting is kept low to retain filtered views across Pitt St

3 glazing line

note :
- soil depth 500mm
as per ADG requirements

- interior layouts are indicative and will be further developed during design development
- architecture background is indicative, refer architectural plans for final layout and details

3.3 level 02 -sections



section a-a

legend

- 1 paved balcony
- 2 low mass planting with a thin built edge provides a green outlook from inside. planting is kept low to retain filtered views across Pitt St

3 glazing line

note :
- soil depth 500mm
as per ADG requirements

- interior layouts are indicative and will be further developed during design development
- architecture background is indicative, refer to architectural plans for final layout and details

3.4 level 02 - preliminary materials + precedents



elevated green outlook
durbach block jagers + Aspect



green edge
Nishizawa Architects

3.5 level 02 - preliminary planting selection - west facing, enclosed and primarily shady

mass planting



4.0 level 06 - concept

A wellness and recreational facility at level 6 adjoins a south facing non accessible terrace. Here planting brings a sense of landscape and constructed nature to this space, while filtering views between the group fitness rooms and neighbouring Princeton Apartments. Offering a green outlook for all.

A plant room on the western extent of the terrace is set within the structural reservation zone and finished with a green roof that allows for low planting. Two elongated planter beds add to the composition and give a geometric frame to the terrace which is mirrored in the external paving. The planters are offset from Princeton Apartments and extend for the full width of the terrace, with tree planting aligned to mediate the views from apartment windows.

The Water Gums, Tristaniopsis Laurina, are trees often found beside creeks, deep within incised sandstone gullies and are both hardy and shade tolerant. They form a drifting canopy or copse above a lush understorey of perennial, giving a sense of depth and immersion to this framed viewing garden.

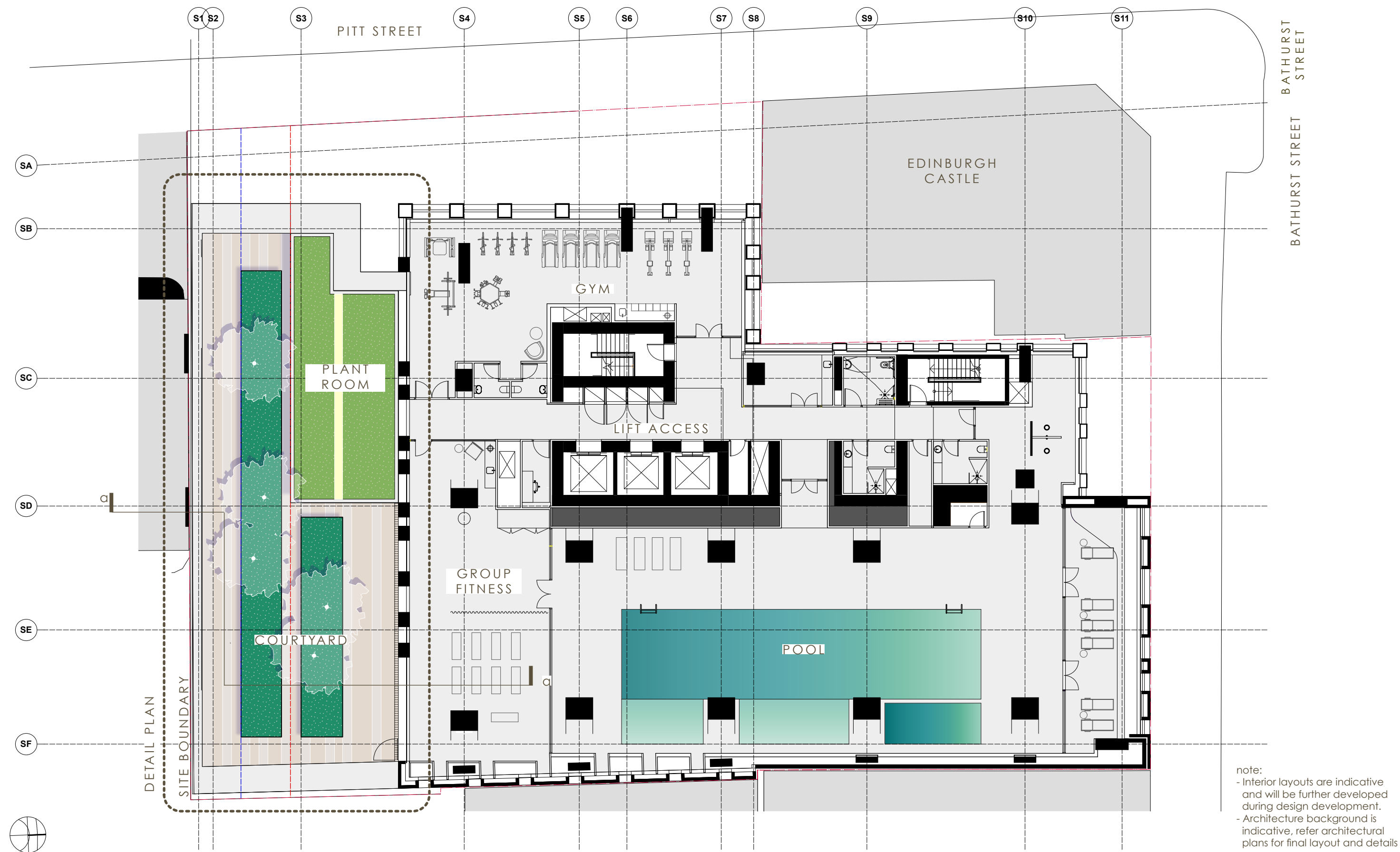
As there are no perimeter balustrades on this level, maintenance personnel access the terrace connected to static lines and harnesses to prevent falls.

All planter beds accommodate soil depths in accordance with the ADG and are irrigated.

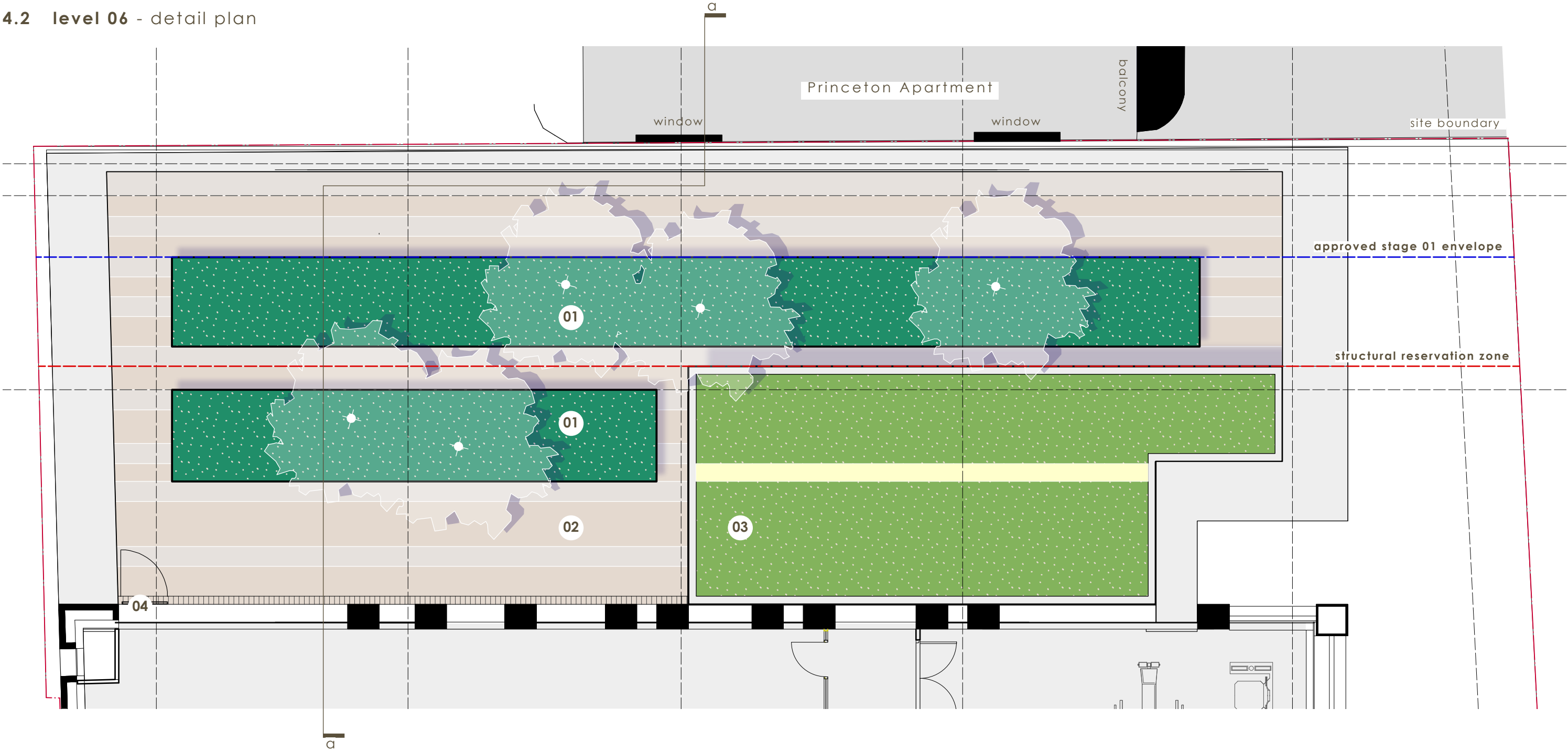
Preliminary Materials Selections

Paving- to be further developed during design development phase
Planting - canopy Watergums Tristaniopsis Laurina
Planting - understorey - lush shade tolerant perennials

4.1 level 06 - plan



4.2 level 06 - detail plan



legend

- 1 non accessible planted courtyard. slender copse of trees and mass planting in raised planters create a green outlook from the pool and gym
- 2 banded paving

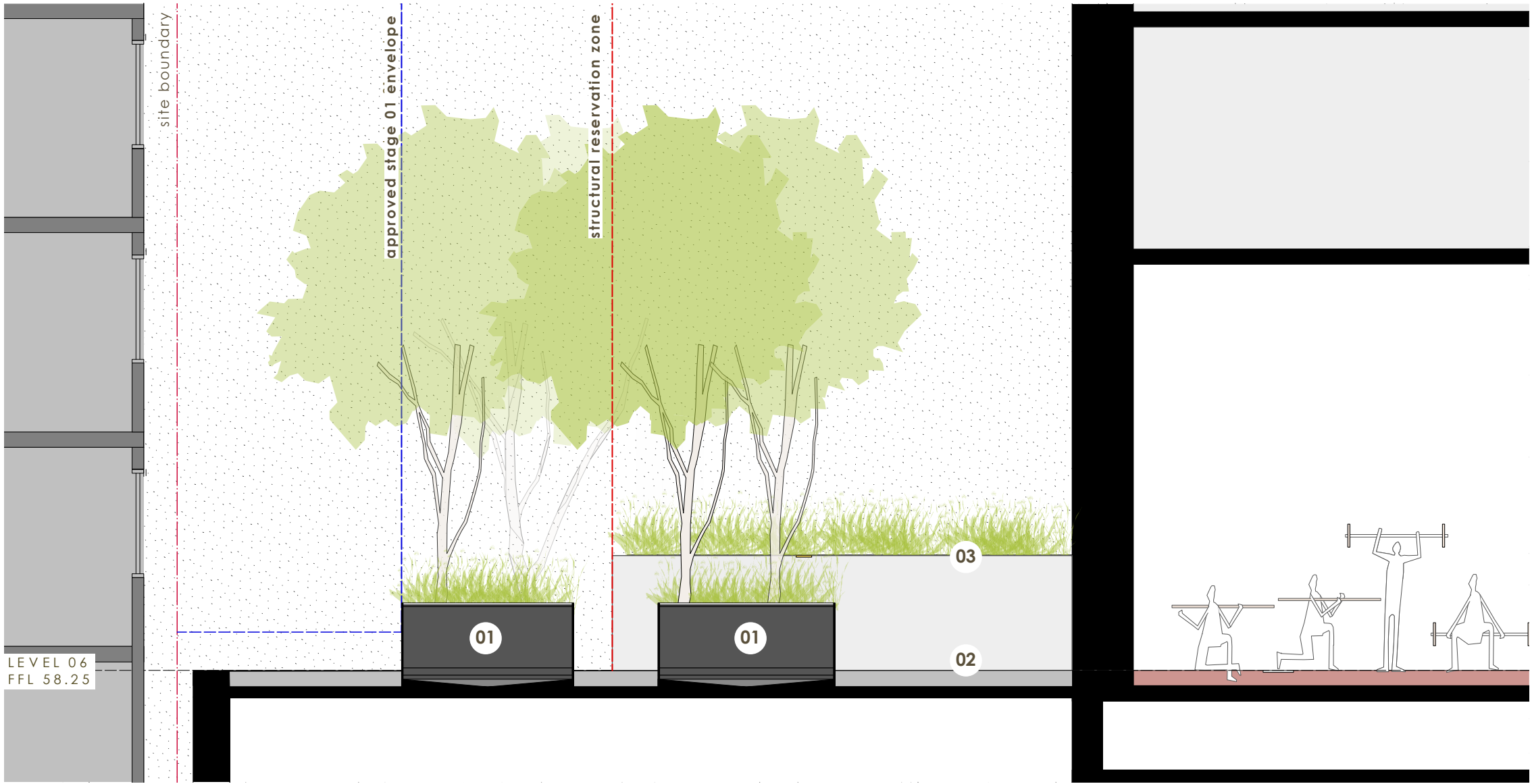
- 3 plant room with grasses and low planting on roof
- 4 maintenance access

note :
- 1000mm soil depth allowing for min 9m3 per tree. all other areas to allow for typically 600mm, 300mm min soil depth as per ADG requirements

- interior layouts are indicative and will be further developed during design development
- architecture background is indicative, refer architectural plans for final layout and details



4.3 level 06 - section



legend

1 non accessible planted courtyard.
slender copse of trees and mass planting
in raised planters create a green outlook
from the pool and gym

2 banded paving
3 plant room with grasses and
low planting on roof

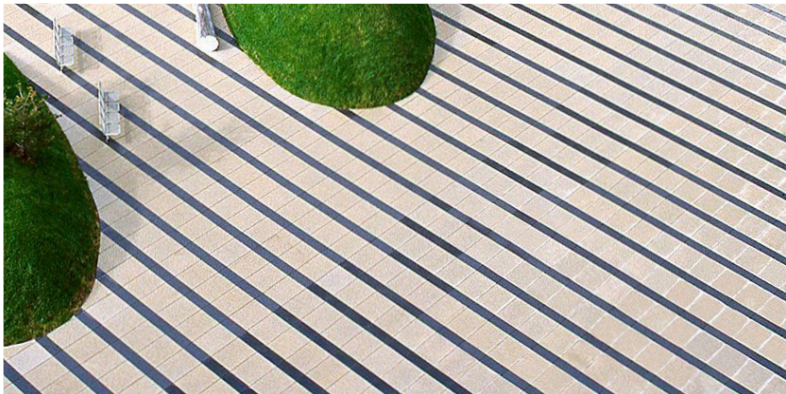
note :
- 1000mm soil depth allowing for min
9m3 per tree. all other areas to allow for
typically 600mm, 300mm min soil depth as
per ADG requirements

- interior layouts are indicative and will
be further developed during design
development
- architecture background is indicative,
refer architectural plans for final layout and
details

4.4 level 06 - preliminary materials + precedents



raised planters
hayes valley roof garden, andrea cochran



banded paving
minneapolis courtyard plaza, martha schwartz

4.5 level 06 - preliminary planting selection - external is south facing, windy and in full shade / internal is north facing, low light, windy, part sun

tree planting



mass planting



5.0 level 35 - concept

A roof top lounge and communal dining room overlooks the city skyline at level 35. It is a spectacular elevation. An outdoor dining terrace adjoining this room allows for larger gatherings to spill out to the terrace as formal dining, cocktails or parties. The terrace a bookable space like the indoor lounge. At other times this terrace allows impromptu use by residents dining, barbequing, or relaxing under a large awning that controls wind while offering shade and comfort.

To the south an outdoor lounge forms a companion space to the dining terrace, with separate access allowing independent use when the outdoor dining area is in private mode. Day beds and long seats distinguishing the lounge from the outdoor dining room.

The materials palette is simple, long lasting and complements the building materiality.

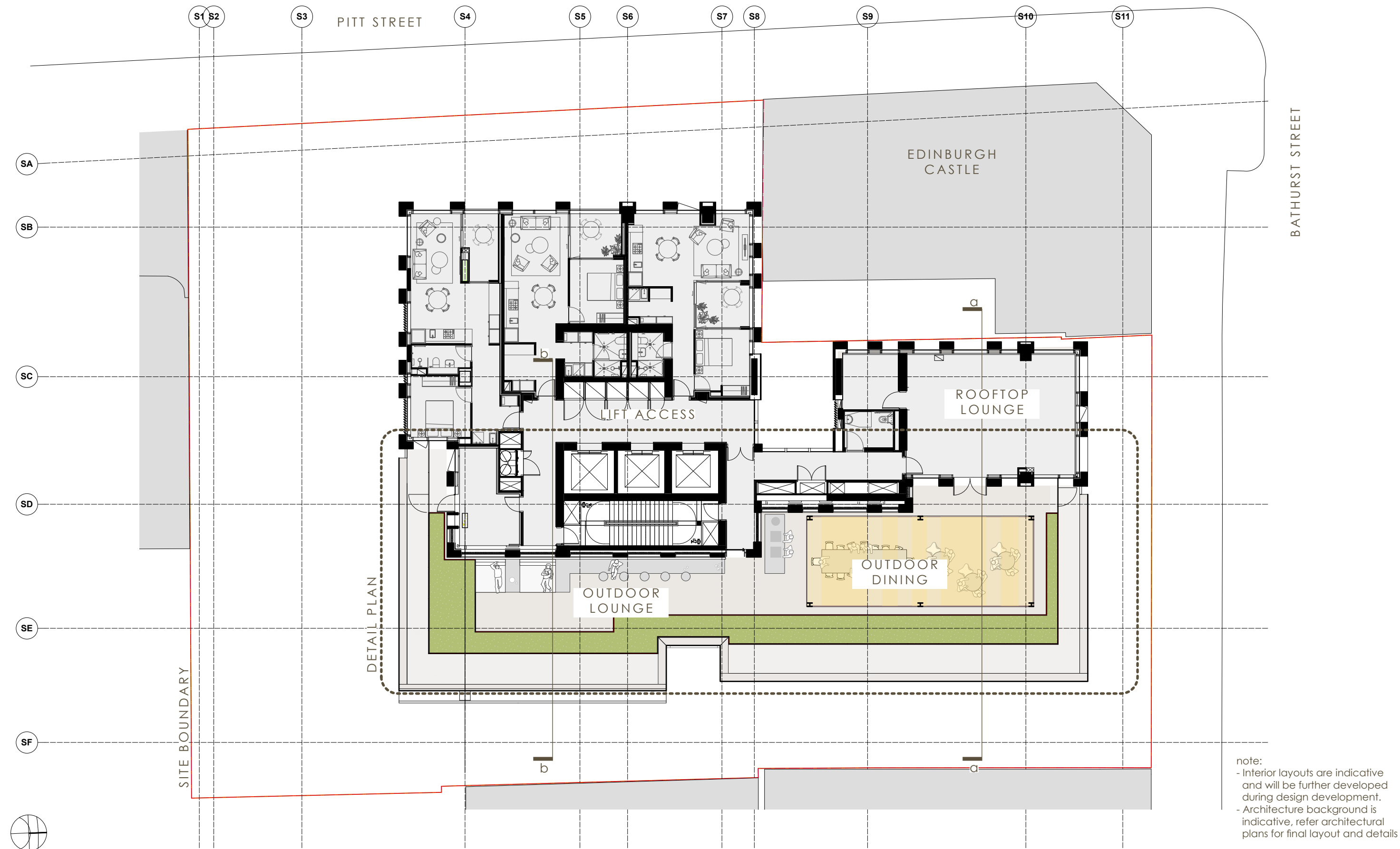
The roof planting forms a green balustrade and perimeter garden, with species suited to this elevation and exposure. The dependable Red Agave, Heperaloe Parviflora, and the Coastal Tussock Grass, Poa Poiformis, a striking pairing. A glazed balustrade along the perimeter of the roof assists in wind control while ensuring fall height compliance. The balustrade placement providing safe access for workers to maintain these gardens without the need for harnessing.

Raised planter beds allow for a variable soil depth of 300-550mm in accordance with the ADG. Planting will be irrigated.

Preliminary Materials Selections

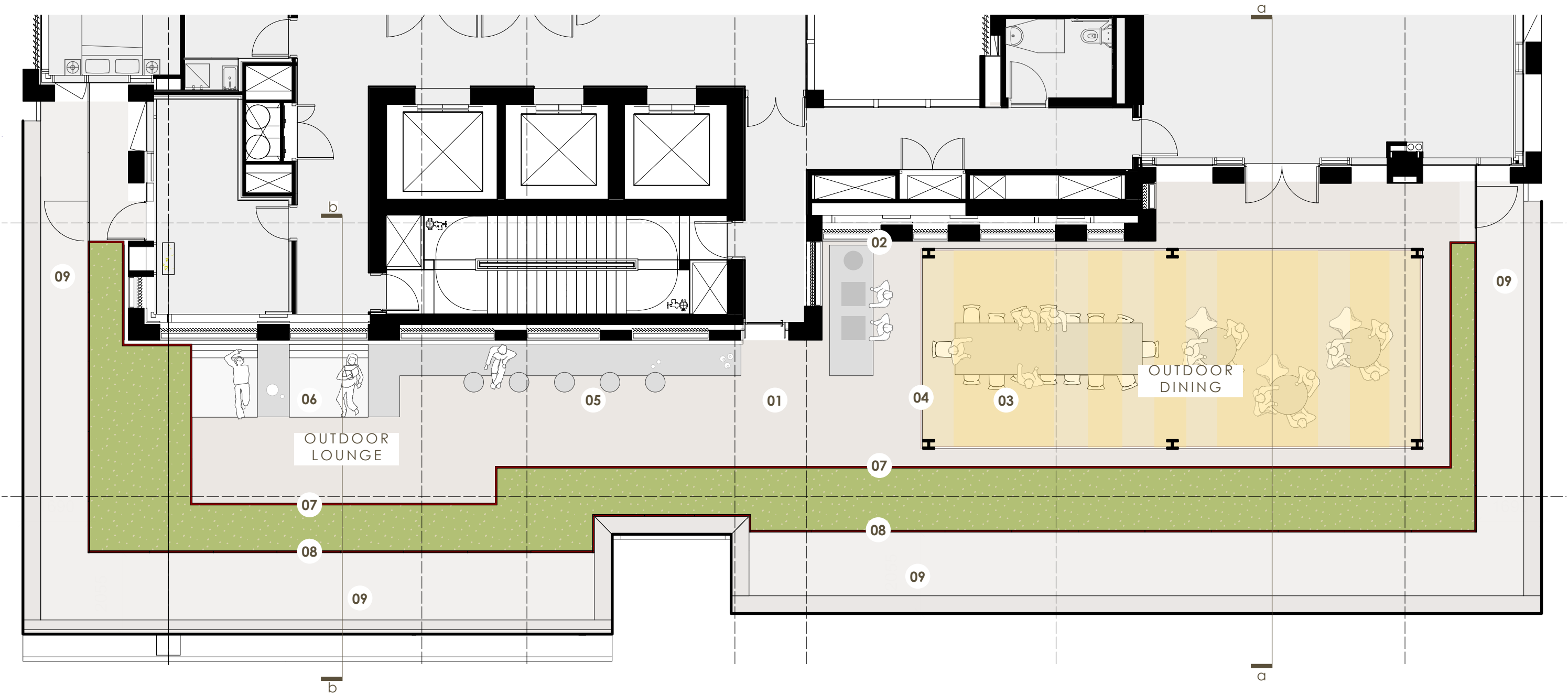
Paving- to be further developed during design development phase
Walls- to be further developed during design development phase
Furniture- tables, lounges, seats, barbeque- to be further developed during design development phase
Awning- to architect's detail
Planting- understorey- sun & drought tolerant grey foliage perennials with crimson, rose-mauve & white flowers to match the façade

5.1 level 35 - plan



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5.2 level 35 - detail plan



legend

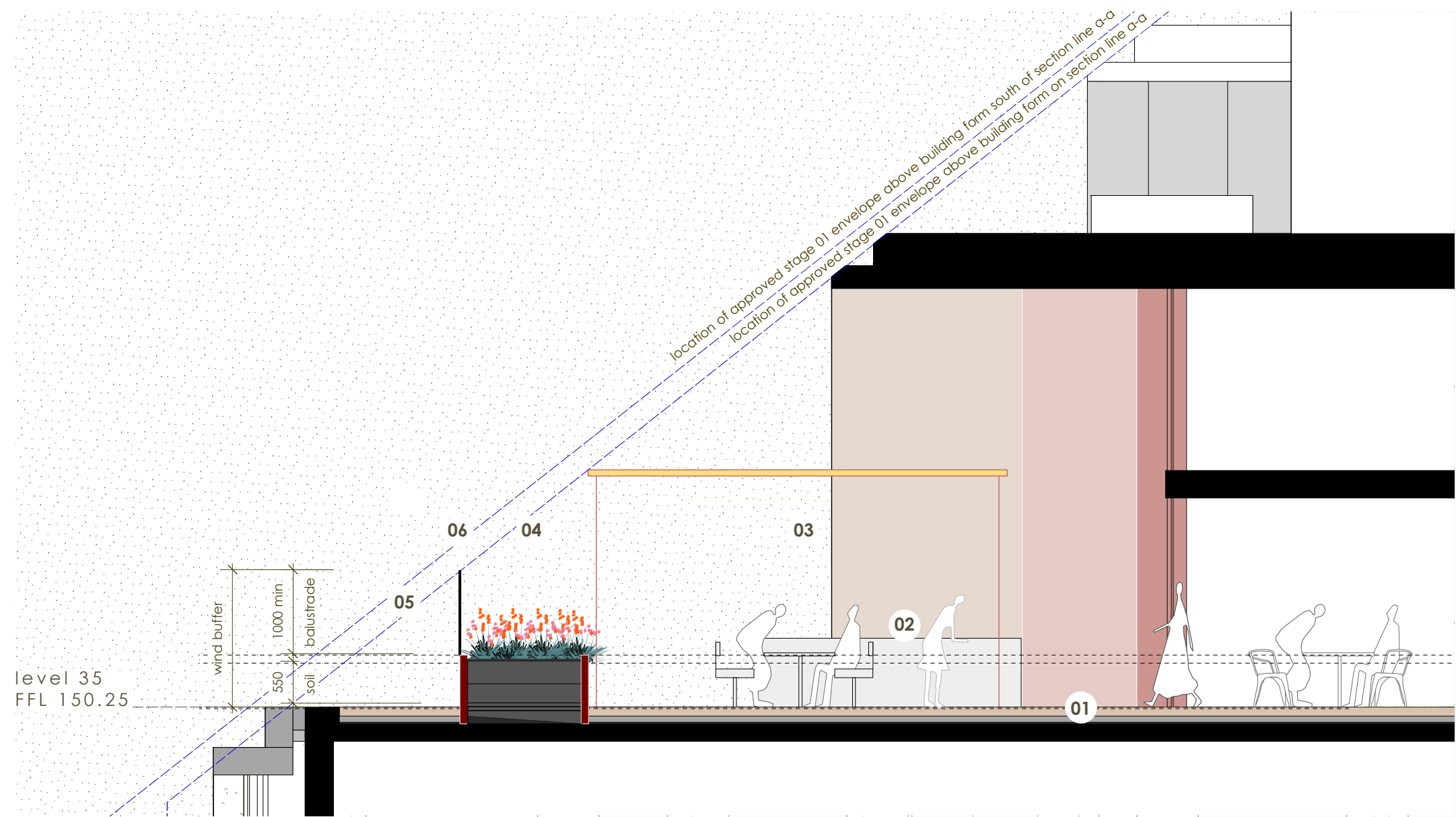
- 1 paved residential terrace
- 2 BBQ
- 3 outdoor dining area
- 4 awning
- 5 bench seating + tables take advantage of views toward hyde park

- 6 lounge chairs
- 7 raised planter
- 8 balustrade edge for wind protection
- 9 maintenance zone

note :
- soil depth varies 300-550mm
as per ADG requirements

- interior layouts are indicative and will be further developed during design development
- architecture background is indicative, refer architectural plans for final layout and details

5.3 level 35 - section a-a



section a-a

legend

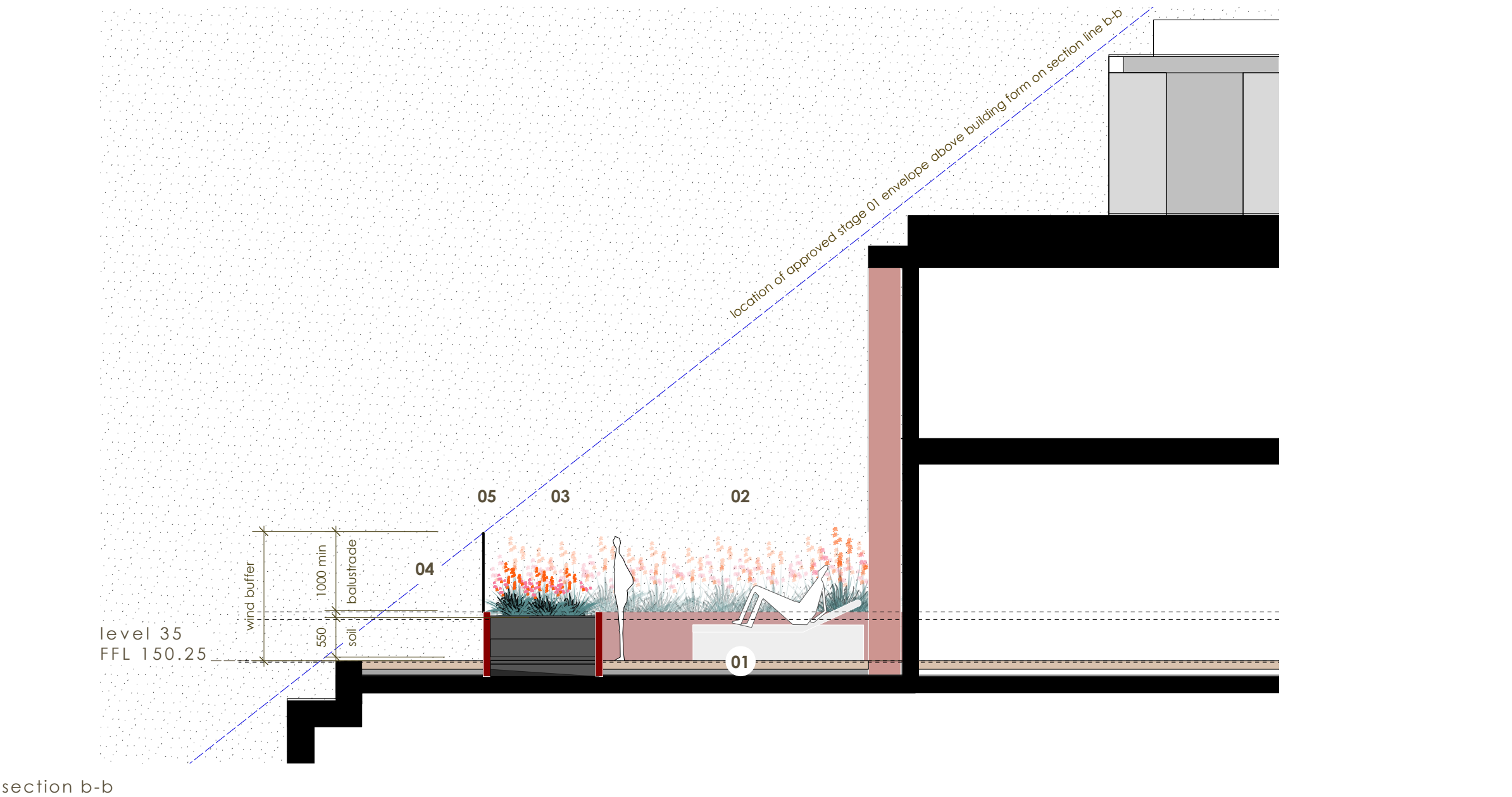
- 1 paved residential terrace
- 2 BBQ
- 3 outdoor dining area

- 4 raised planter
- 5 maintenance zone
- 6 balustrade edge for wind protection

note :
- soil depth 550mm as per ADG requirements

- interior layouts are indicative and will be further developed during design development
- architecture background is indicative, refer architectural plans for final layout and details

5.3 level 35 - section b-b



legend

- 1 paved residential terrace
- 2 lounge chairs
- 3 consistent raised planter

- 4 maintenance zone
- 5 balustrade edge for wind protection

note :
- soil depth varies 400-550mm
as per ADG requirements

- interior layouts are indicative and will
be further developed during design
development
- architecture background is indicative,
refer architectural plans for final layout and
details

5.4 level 35 - preliminary materials + precedents



solid materials + warm hues
to compliment facade



raised planting, simple materials
LA's Topanga Canyon residence, Martin Rodriguez



mix of exotic and native planting
Annandale residence, sue barnsley design



lounge seating
central park, oculus + aspect studios



cushioned lounge seating



equinox, new york , David Rockwell

5.5 level 35 - preliminary planting selection - windy, exposed, full sun

mass planting



Hesperaloe parviflora - Red yucca - 0.6-1.2m H - **exotic**



Poa poliformis - coastal tussock, 0.75-0.9m H - **native**



Bougainvillea mauve - Bougainvillea, 3-5m H, mauve flower, Spring-Autumn - Full sun / part shade - **exotic**



Hoya australis - Wax vine, 8-10m H, cream flower, Summer - Full sun / part shade - **native**



Epiphyllum hybrid - night flowering cactus - 3-5m H - **exotic**



Geitonoplesium cymosum - Scrambling lily, 0.1-1.5m, white yellow flower, Spring-Summer - Full sun / part shade - **native**



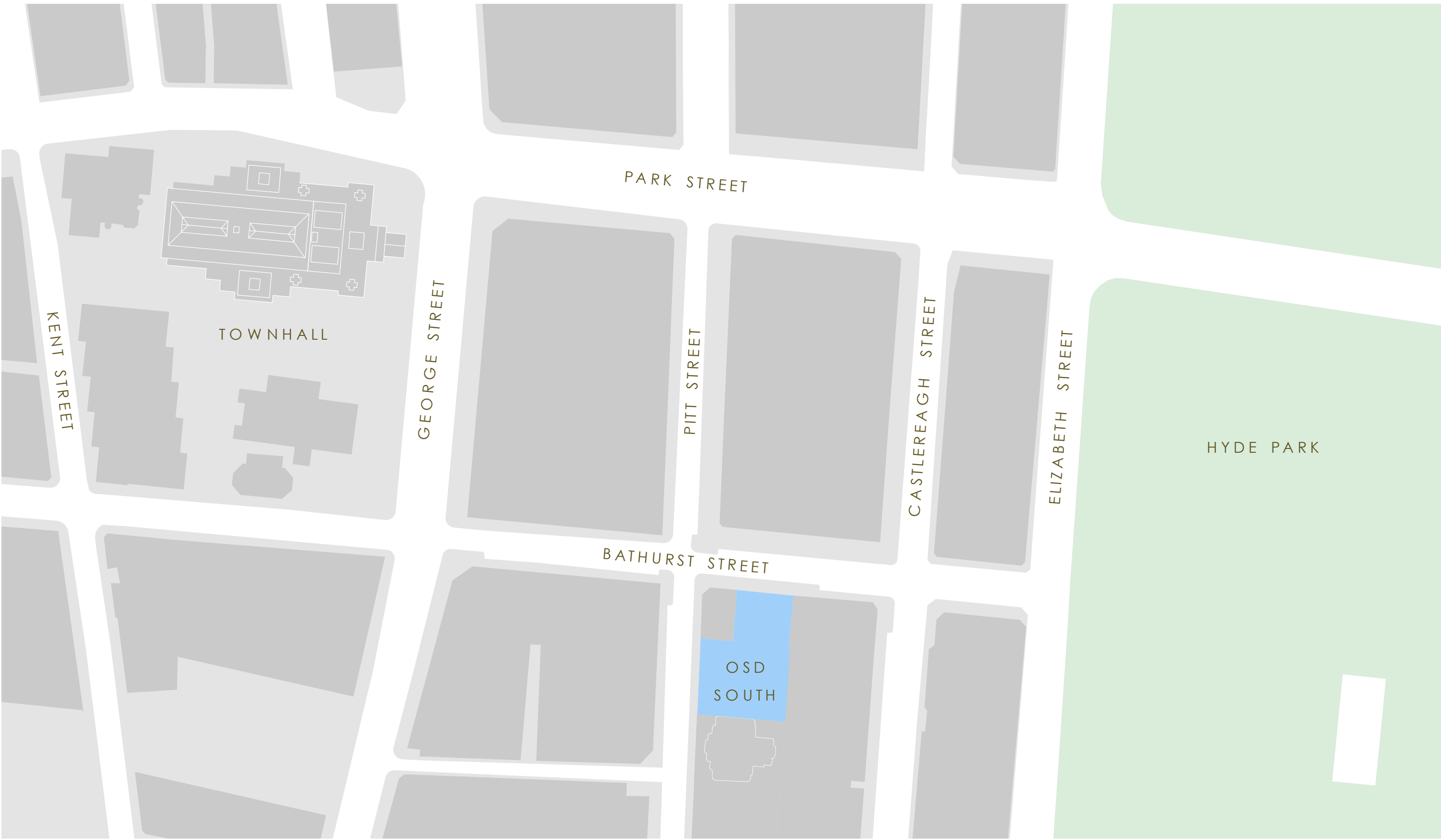
Muehlenbeckia complexa - Maidenhair vine - 2.5-3m - Green flower in autumn - Full sun to full shade - **native**

PITT STREET SOUTH OVER STATION DEVELOPMENT

SSD DA STAGE 02 DRAWINGS

for Pitt Street Developer South Pty Ltd

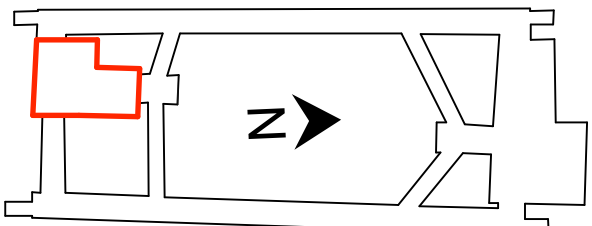
| DRAWING NUMBER | DRAWING NAME |
|--------------------------------|------------------------------|
| SMCSWSPS-SBD-OSS-LA-DWG-000000 | cover page |
| plans | |
| SMCSWSPS-SBD-OSS-LA-DWG-000210 | level 02 - landscape plan |
| SMCSWSPS-SBD-OSS-LA-DWG-000610 | level 06 - landscape plan |
| SMCSWSPS-SBD-OSS-LA-DWG-003510 | level 35 - landscape plan |
| sections | |
| SMCSWSPS-SBD-OSS-LA-DWG-000220 | level 02 - section a-a |
| SMCSWSPS-SBD-OSS-LA-DWG-000620 | level 06 - section a-a |
| SMCSWSPS-SBD-OSS-LA-DWG-003520 | level 35 - section a-a + b-b |



PLANNING DOC No. SMCSWSPS-SBD-OSS-PL-REP-000001 rev D

| | | | | |
|------|----|----------|------------------------|-------|
| D | rk | 28.08.20 | SSD DA stage 02 | sb |
| C | rk | 19.05.20 | SSD DA stage 02 | sb |
| B | rk | 03.04.20 | landowners consent | sb |
| A | rk | 27.03.20 | landowners consent | sb |
| P3 | rk | 21.02.20 | preliminary SSDA issue | sb |
| P2 | rk | 07.02.20 | preliminary SSDA issue | sb |
| P1 | rk | 10.01.20 | preliminary SSDA issue | sb |
| REV. | BY | DATE | DESCRIPTION | APPD. |

A1 Original Co-ordinate System: MGA Zone 56 Height Datum: A.H.D. This sheet may be prepared using colour and may be incomplete if copied



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| | | |
|--|--------------|----|
| SERVICE PROVIDERS | DRAWN | rk |
| Foster + Partners | DESIGNED | rk |
| BATESSMART. sue barnsley design landscape architecture | DRG CHECK | sb |
| airecon TTW | DESIGN CHECK | sb |
| CJ ARMS LCI | APPROVED | sb |

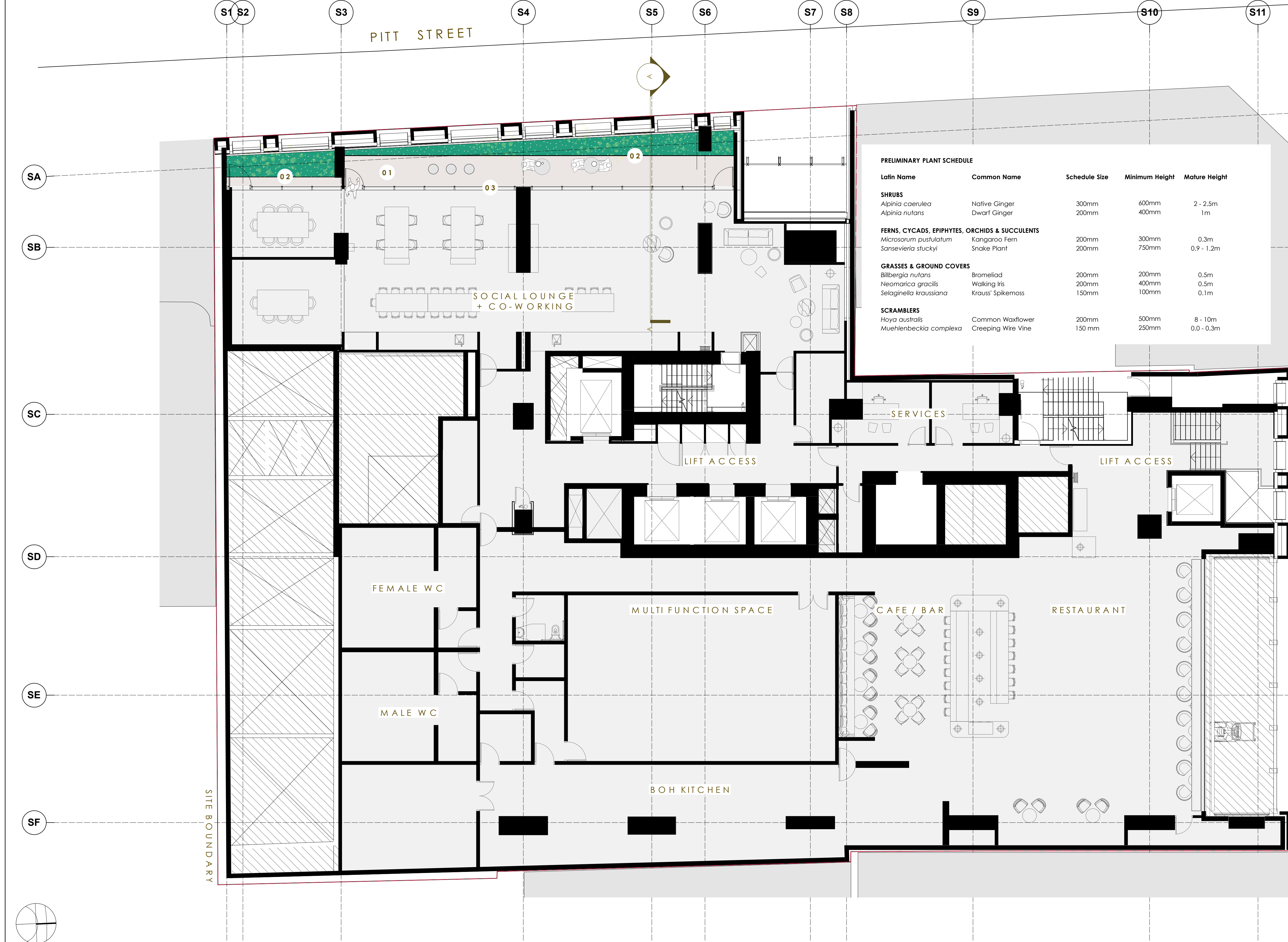
DRG No. SMCSWSPS-SBD-OSS-LA-DWG-000000

PITT STREET SOUTH OVER STATION DEVELOPMENT (PSS OSD)
SSDA STAGE 02
LANDSCAPE COVER PAGE

| | | | |
|-------------------------|---------|------|---|
| STATUS: SSD DA stage 02 | SHEET - | OF - | © |
| METRO DRG No. | REV. | D | |

Plot Date & Time [DATE / TIME STAMP]

100mm AT FULL SIZE Plot Date & Time [DATE / TIME STAMP]



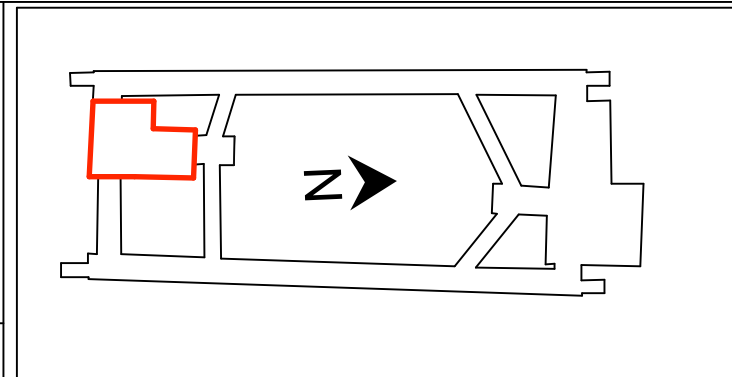
| PRELIMINARY PLANT SCHEDULE | | | | |
|---|--------------------|---------------|----------------|---------------|
| Latin Name | Common Name | Schedule Size | Minimum Height | Mature Height |
| SHRUBS | | | | |
| <i>Alpinia caerulea</i> | Native Ginger | 300mm | 600mm | 2 - 2.5m |
| <i>Alpinia nutans</i> | Dwarf Ginger | 200mm | 400mm | 1m |
| FERNS, CYCADS, EPIPHYTES, ORCHIDS & SUCCULENTS | | | | |
| <i>Microsorium pustulatum</i> | Kangaroo Fern | 200mm | 300mm | 0.3m |
| <i>Sansevieria stuckyi</i> | Snake Plant | 200mm | 750mm | 0.9 - 1.2m |
| GRASSES & GROUND COVERS | | | | |
| <i>Billbergia nutans</i> | Bromeliad | 200mm | 200mm | 0.5m |
| <i>Neomarica gracilis</i> | Walking Iris | 200mm | 400mm | 0.5m |
| <i>Selaginella kraussiana</i> | Krauss' Spikemoss | 150mm | 100mm | 0.1m |
| SCRAMBLERS | | | | |
| <i>Hoya australis</i> | Common Waxflower | 200mm | 500mm | 8 - 10m |
| <i>Muehlenbeckia complexa</i> | Creeping Wire Vine | 150 mm | 250mm | 0.0 - 0.3m |

- legend**
- 1 paved balcony
 - 2 low mass planting with a thin built edge provides a green outlook from inside. planting is kept low to retain filtered views across Pitt St
 - 3 glazing line
- note :
- soil depth 500mm as per ADG requirements
 - interior layouts are indicative and will be further developed during design development
 - architecture background is indicative, refer architectural plans for final layout and details

| REV. | BY | DATE | DESCRIPTION | APPD. |
|--|----|----------|------------------------|-------|
| D | rk | 28.08.20 | SSD DA stage 02 | sb |
| C | rk | 19.05.20 | SSD DA stage 02 | sb |
| B | rk | 03.04.20 | landowners consent | sb |
| A | rk | 27.03.20 | landowners consent | sb |
| P3 | rk | 21.02.20 | preliminary SSDA issue | sb |
| P2 | rk | 07.02.20 | preliminary SSDA issue | sb |
| P1 | rk | 10.01.20 | preliminary SSDA issue | sb |
| A1 Original Co-ordinate System: MGA Zone 56 Height Datum: A.H.D. This sheet may be prepared using colour and may be incomplete if copied | | | | |

SCALE

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NSW GOVERNMENT | sydney METRO

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oixford | CPB

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SERVICE PROVIDERS

Foster + Partners | BATESMART | aurecon | TTV | CJ ARMS | LCI

DRWN rk

DESIGNED rk

DRG CHECK sb

DESIGN CHECK sb

APPROVED sb

DRG No. SMCSWSPS-SBD-OSS-LA-DWG-000210

PITT STREET SOUTH OVER STATION DEVELOPMENT (PSS OSD)

SSD DA STAGE 02
LEVEL 02 - LANDSCAPE PLAN

STATUS: SSD DA stage 02

METRO DRG No.

SHEET - OF -

REV. D

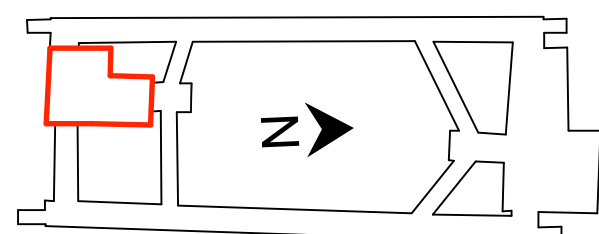
Plot Date & Time [DATE / TIME STAMP]

100mm AT FULL SIZE Plot Date & Time [DATE / TIME STAMP]

| | | | | |
|------|----------|----------|--|-------|
| D | rk | 28.08.20 | SSD DA stage 02 | sb |
| C | rk | 19.05.20 | SSD DA stage 02 | sb |
| B | rk | 03.04.20 | landowners consent | sb |
| A | rk | 27.03.20 | landowners consent | sb |
| P3 | rk | 21.02.20 | preliminary SSDA issue | sb |
| P2 | rk | 07.02.20 | preliminary SSDA issue | sb |
| P1 | rk | 10.01.20 | preliminary SSDA issue | sb |
| REV. | BY | DATE | DESCRIPTION | APPD. |
| A1 | Original | | Co-ordinate System: MGA Zone 56 Height Datum: A.H.D. This sheet may be prepared using colour and may be incomplete if copied | |

SCALE

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| SERVICE PROVIDERS | | DRAWN | rk |
| Foster + Partners | | DESIGNED | rk |
| BATESSMART | sue barnsley design landscape architecture | DRG CHECK | sb |
| aurecon | TTW | DESIGN CHECK | sb |
| CJ ARMS | LCI | APPROVED | sb |

DRG No. SMCSWSPS-SBD-OSS-LA-DWG-000610

PITT STREET SOUTH OVER STATION DEVELOPMENT (PSS OSD)

SSD DA STAGE 02
LEVEL 06 - LANDSCAPE PLAN

STATUS: SSD DA stage 02

METRO DRG No.

SHEET - OF -

REV. D

legend

courtyard

- 1 non accessible courtyard - slender copse of trees and mass planting in raised planters create a green outlook from the pool and gym
- 2 banded paving
- 3 plant room with grasses and low planting on roof
- 4 maintenance gate for plant room + facade access

note :

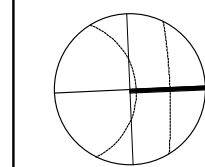
- 1000mm soil depth allowing for min 9m3 per tree, all other areas to allow for typically 600mm, 300mm min soil depth as per ADG requirements
- interior layouts are indicative and will be further developed during design development
- architecture background is indicative, refer architectural plans for final layout and details

PRELIMINARY PLANT SCHEDULE

| Latin Name | Common Name | Schedule Size | Minimum Height | Mature Height |
|---|--------------------|---------------|----------------|---------------|
| TREES | | | | |
| <i>Tristania laurina</i> | Water Gum | 400L | 3.5 - 4.5m | 6 - 8m |
| FERNS, CYCADS, EPIPHYTES, ORCHIDS & SUCCULENTS | | | | |
| <i>Microsorium pustulatum</i> | Kangaroo Fern | 200mm | 300mm | 0.3m |
| <i>Selaginella kraussiana</i> | Krauss' Spikemoss | 150mm | 100mm | 0.1m |
| GRASSES & GROUND COVERS | | | | |
| <i>Arthropodium milleflorum</i> | Pale Vanilla-lily | 200mm | 300mm | 0.3 - 0.4m |
| <i>Geitonoplesium cymosum</i> | Scrambling Lily | 150mm | 100mm | 3 - 5m |
| <i>Neomarica gracilis</i> | Walking Iris | 200mm | 400mm | 0.5m |
| CLIMBERS | | | | |
| <i>Muehlenbeckia complexa</i> | Creeping Wire Vine | 200mm | 250mm | 0.0 - 0.3m |

Plot Date & Time [DATE / TIME STAMP]

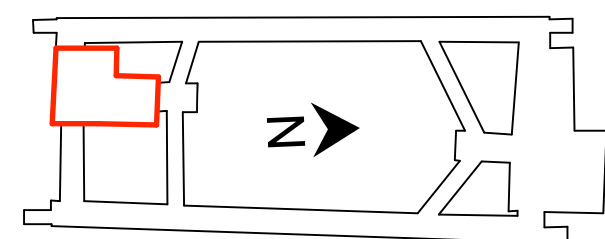
100mm AT FULL SIZE Plot Date & Time [DATE / TIME STAMP]



| | | | | |
|------|----------|----------|--|-------|
| D | rk | 28.08.20 | SSD DA | sb |
| C | rk | 19.05.20 | SSD DA stage 02 | sb |
| B | rk | 03.04.20 | landowners consent | sb |
| A | rk | 27.03.20 | landowners consent | sb |
| P3 | rk | 21.02.20 | preliminary SSDA issue | sb |
| P2 | rk | 07.02.20 | preliminary SSDA issue | sb |
| P1 | rk | 10.01.20 | preliminary SSDA issue | sb |
| REV. | BY | DATE | DESCRIPTION | APPD. |
| A1 | Original | | Co-ordinate System: MGA Zone 56 Height Datum: A.H.D. This sheet may be prepared using colour and may be incomplete if copied | |

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| SERVICE PROVIDERS | | DRAWN | rk |
| Foster + Partners | | DESIGNED | rk |
| BATESSMART | sue barnsley design landscape architecture | DRG CHECK | sb |
| aurecon | TTW | DESIGN CHECK | sb |
| CJ ARMS | LCI | APPROVED | sb |

DRG No. SMCSWSPS-SBD-OSS-LA-DWG-003510

PITT STREET SOUTH OVER STATION DEVELOPMENT (PSS OSD)

SSD DA STAGE 02
LEVEL 35 - LANDSCAPE PLAN

STATUS: SSD DA stage 02

SHEET - OF -

©

METRO DRG No.

REV. D

S1 S2

S3

S4

S5

S6

S7

S8

S9

S10

S11

PITT STREET

BATHURST STREET

SA

SB

SC

SD

SE

SF

PRELIMINARY PLANT SCHEDULE

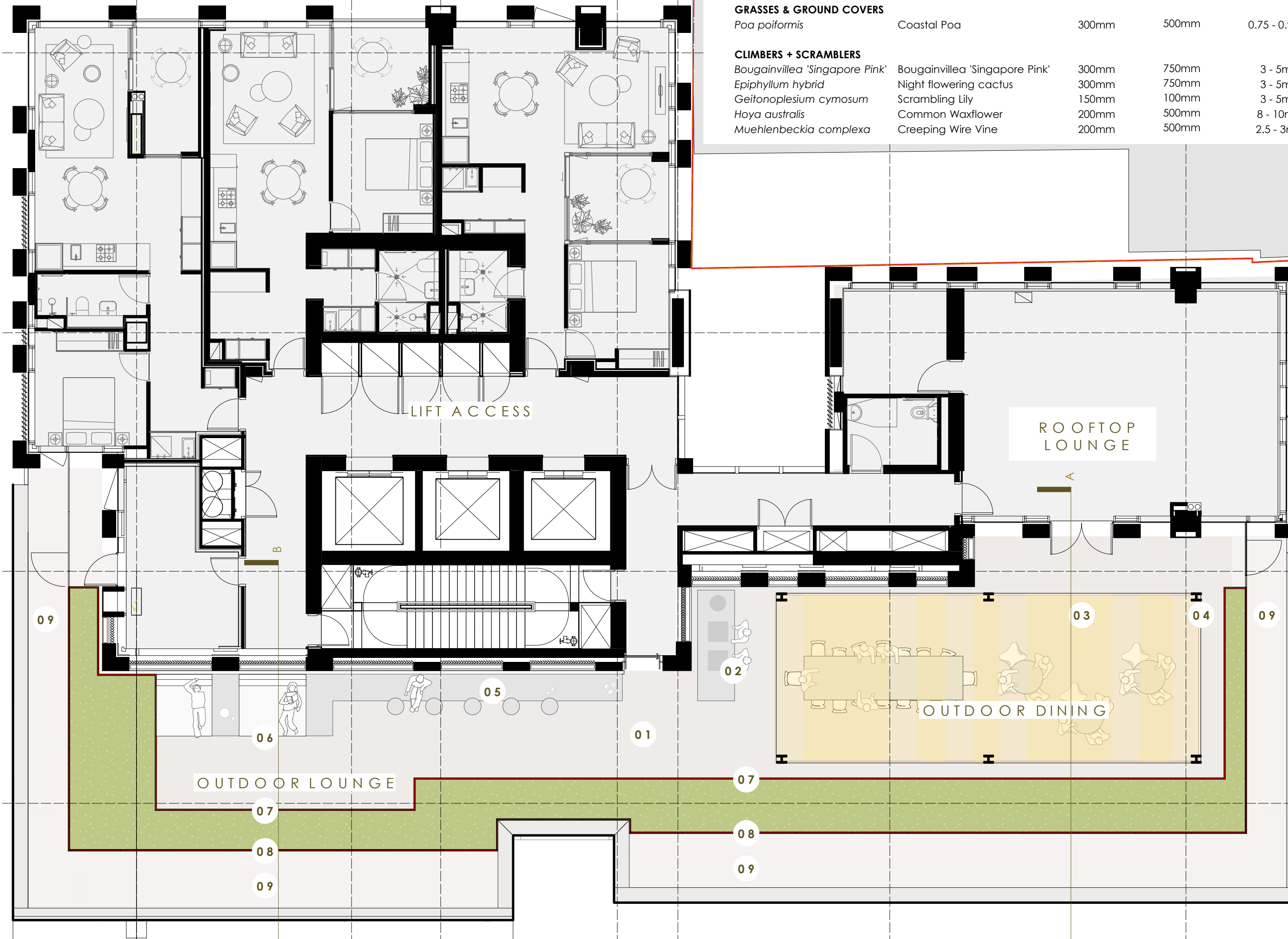
| Latin Name | Common Name | Schedule Size | Minimum Height | Mature Height |
|---|--------------------------------|---------------|----------------|---------------|
| FERNS, CYCADS, EPIPHYTES, ORCHIDS & SUCCULENTS | | | | |
| Hesperaloe parviflora | Red Yucca | 200mm | 300mm | 0.6 - 1.2m |
| GRASSES & GROUND COVERS | | | | |
| Poa poliformis | Coastal Poa | 300mm | 500mm | 0.75 - 0.9m |
| CLIMBERS + SCRAMBLERS | | | | |
| Bougainvillea 'Singapore Pink' | Bougainvillea 'Singapore Pink' | 300mm | 750mm | 3 - 5m |
| Epiphyllum hybrid | Night flowering cactus | 300mm | 750mm | 3 - 5m |
| Geitonoplesium cymosum | Scrambling Lily | 150mm | 100mm | 3 - 5m |
| Hoya australis | Common Waxflower | 200mm | 500mm | 8 - 10m |
| Muehlenbeckia complexa | Creeping Wire Vine | 200mm | 500mm | 2.5 - 3m |

legend

- 1 paved residential terrace
- 2 BBQ
- 3 outdoor dining area
- 4 awning
- 5 bench seating + tables take advantage of views toward hyde park
- 6 lounge chairs
- 7 raised planter
- 8 balustrade edge for wind protection
- 9 maintenance zone

note :

- soil depth varies 300-550mm as per ADG requirements
- interior layouts are indicative and will be further developed during design development
- architecture background is indicative, refer architectural plans for final layout and details





1 section a-a
Scale: 1:50

legend

- 1 paved balcony
- 2 low mass planting with a thin built edge provides a green outlook from inside.
planting is kept low to retain filtered views across Pitt St
- 3 glazing line

note :

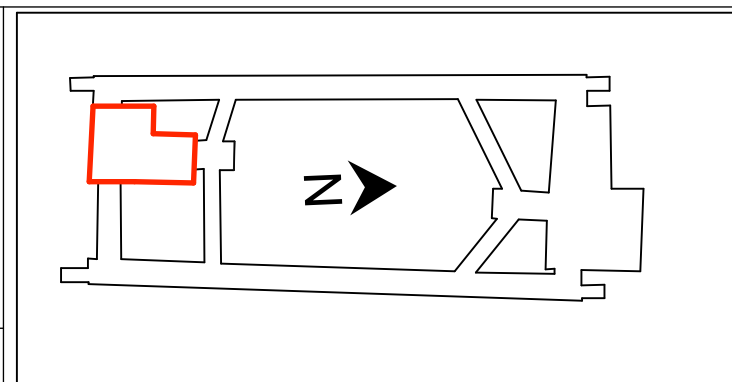
- soil depth 500mm
as per ADG requirements
- interior layouts are indicative and will be further developed during design development
- architecture background is indicative, refer architectural plans for final layout and details

| REV. | BY | DATE | DESCRIPTION | APPD. |
|-------------|--|----------|------------------------|-------|
| D | rk | 28.08.20 | SSD DA stage 02 | sb |
| C | rk | 19.05.20 | SSD DA stage 02 | sb |
| B | rk | 03.04.20 | landowners consent | sb |
| A | rk | 27.03.20 | landowners consent | sb |
| P3 | rk | 21.02.20 | preliminary SSDA issue | sb |
| P2 | rk | 07.02.20 | preliminary SSDA issue | sb |
| P1 | rk | 10.01.20 | preliminary SSDA issue | sb |
| A1 Original | Co-ordinate System: MGA Zone 56 Height Datum: A.H.D. This sheet may be prepared using colour and may be incomplete if copied | | | |

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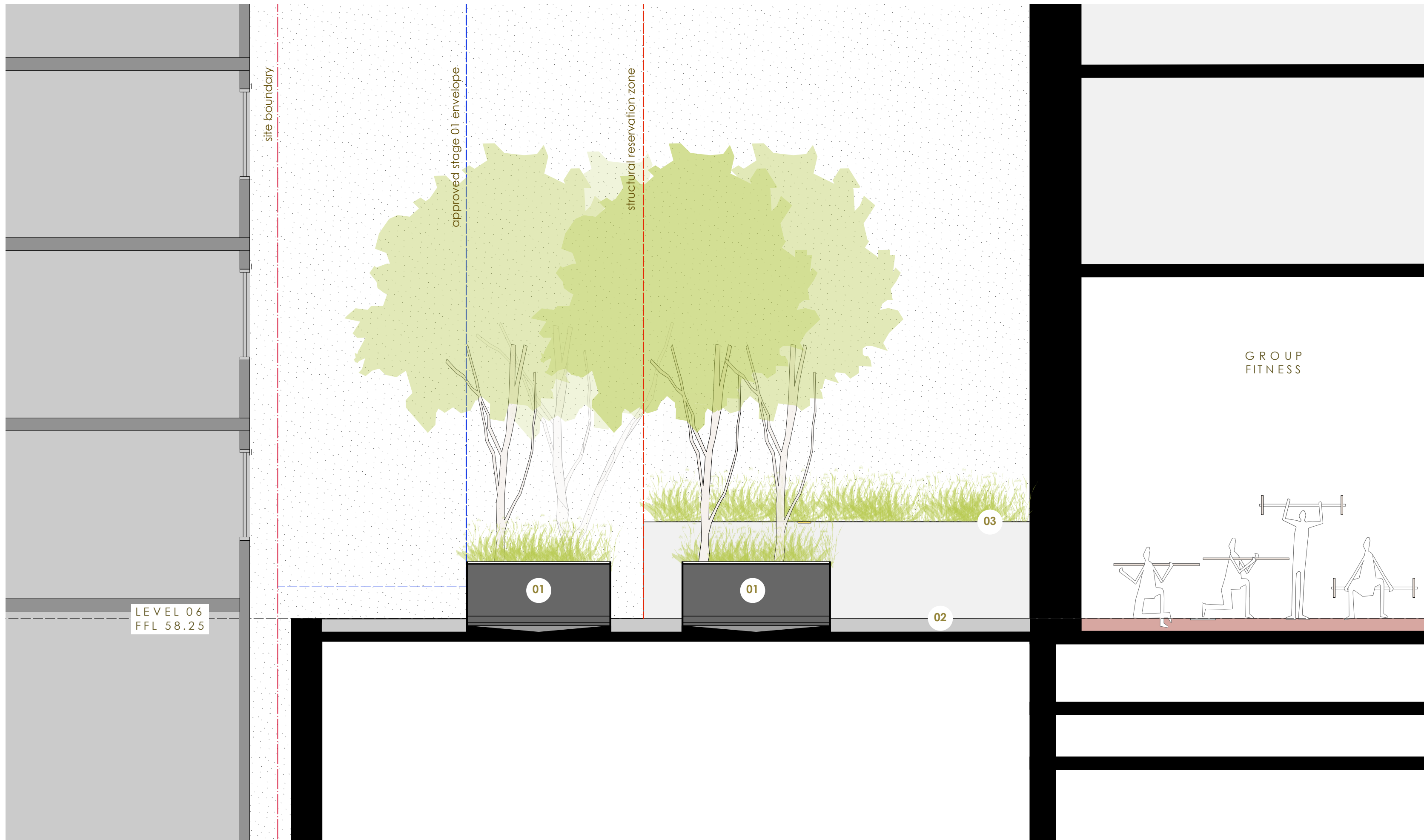
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|---|------------------------|--------------|----|
| <small>The information shown on this drawing is for the purposes of the Sydney Metro Project only. No warranty is given or implied as to its suitability for any other purpose. The Service Providers accept no liability arising from the use of this drawing and the information shown thereon for any purpose other than the Sydney Metro Project.</small> | | | |
| SERVICE PROVIDERS | | DRAWN | rk |
| Foster + Partners | sue borsley design | DESIGNED | rk |
| BATESSMART | landscape architecture | DRG CHECK | sb |
| aurecon | TTW | DESIGN CHECK | sb |
| CJ ARMS | LCI | APPROVED | sb |

DRG No. SMCSWSPS-SBD-OSS-LA-DWG-000220

PITT STREET SOUTH OVER STATION DEVELOPMENT (PSS OSD)

SSD DA STAGE 02
LEVEL 02 - LANDSCAPE SECTION A-A

| | | |
|-------------------------|--------------|---|
| STATUS: SSD DA stage 02 | SHEET - OF - | © |
| METRO DRG No. | REV. | D |



1 section a-a
Scale: 1:50

legend

courtyard

- 1 non accessible courtyard - slender copse of trees and mass planting in raised planters create a green outlook from the pool and gym

- 2 banded paving
3 plant room with grasses and low planting on roof

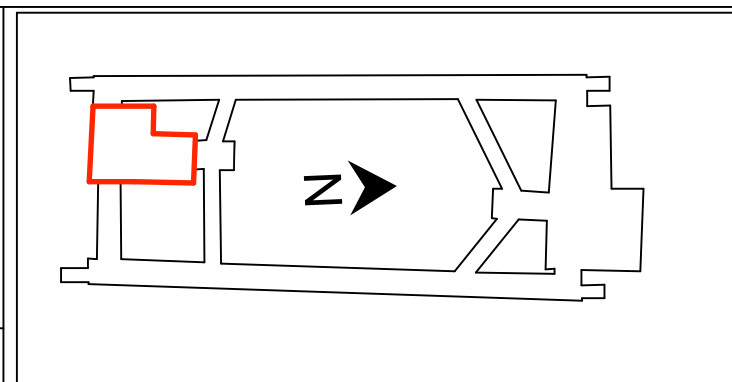
note :
- 1000mm soil depth allowing for min 9m3 per tree. all other areas to allow for typically 600mm, 300mm min soil depth as per ADG requirements

- interior layouts are indicative and will be further developed during design development
- architecture background is indicative, refer architectural plans for final layout and details

| REV. | BY | DATE | DESCRIPTION | APPD. |
|--|----|----------|------------------------|-------|
| D | rk | 28.08.20 | SSD DA stage 02 | sb |
| C | rk | 19.05.20 | SSD DA stage 02 | sb |
| B | rk | 03.04.20 | landowners consent | sb |
| A | rk | 27.03.20 | landowners consent | sb |
| P3 | rk | 21.02.20 | preliminary SSDA issue | sb |
| P2 | rk | 07.02.20 | preliminary SSDA issue | sb |
| P1 | rk | 10.01.20 | preliminary SSDA issue | sb |
| A1 Original Co-ordinate System: MGA Zone 56 Height Datum: A.H.D. This sheet may be prepared using colour and may be incomplete if copied | | | | |

SCALE

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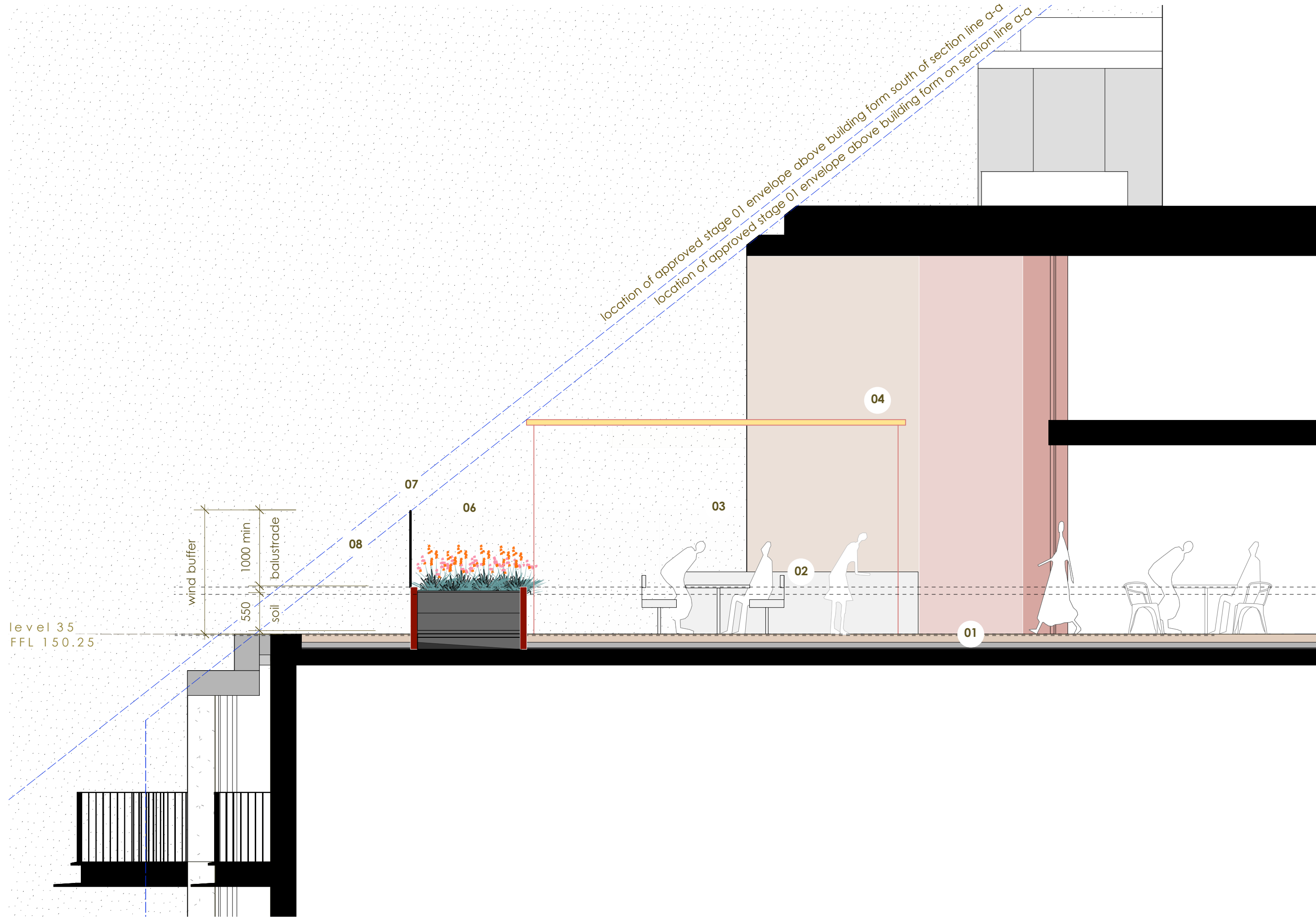
| | |
|--|-----------------|
| The information shown on this drawing is for the purposes of the Sydney Metro Project only. No warranty is given or implied as to its suitability for any other purpose. The Service Providers accept no liability arising from the use of this drawing and the information shown thereon for any purpose other than the Sydney Metro Project. | |
| SERVICE PROVIDERS | DRAWN rk |
| Foster + Partners | DESIGNED rk |
| BATESSMART sue borsley design landscape architecture | DRG CHECK sb |
| aurecon TTW | DESIGN CHECK sb |
| CJ ARMS LCI | APPROVED sb |

DRG No. SMCSWSPS-SBD-OSS-LA-DWG-000620

PITT STREET SOUTH OVER
STATION DEVELOPMENT (PSS OSD)

SSD DA STAGE 02
LEVEL 06 - LANDSCAPE SECTION A-A

| | | |
|-------------------------|--------------|---|
| STATUS: SSD DA stage 02 | SHEET - OF - | © |
| METRO DRG No. | REV. | D |

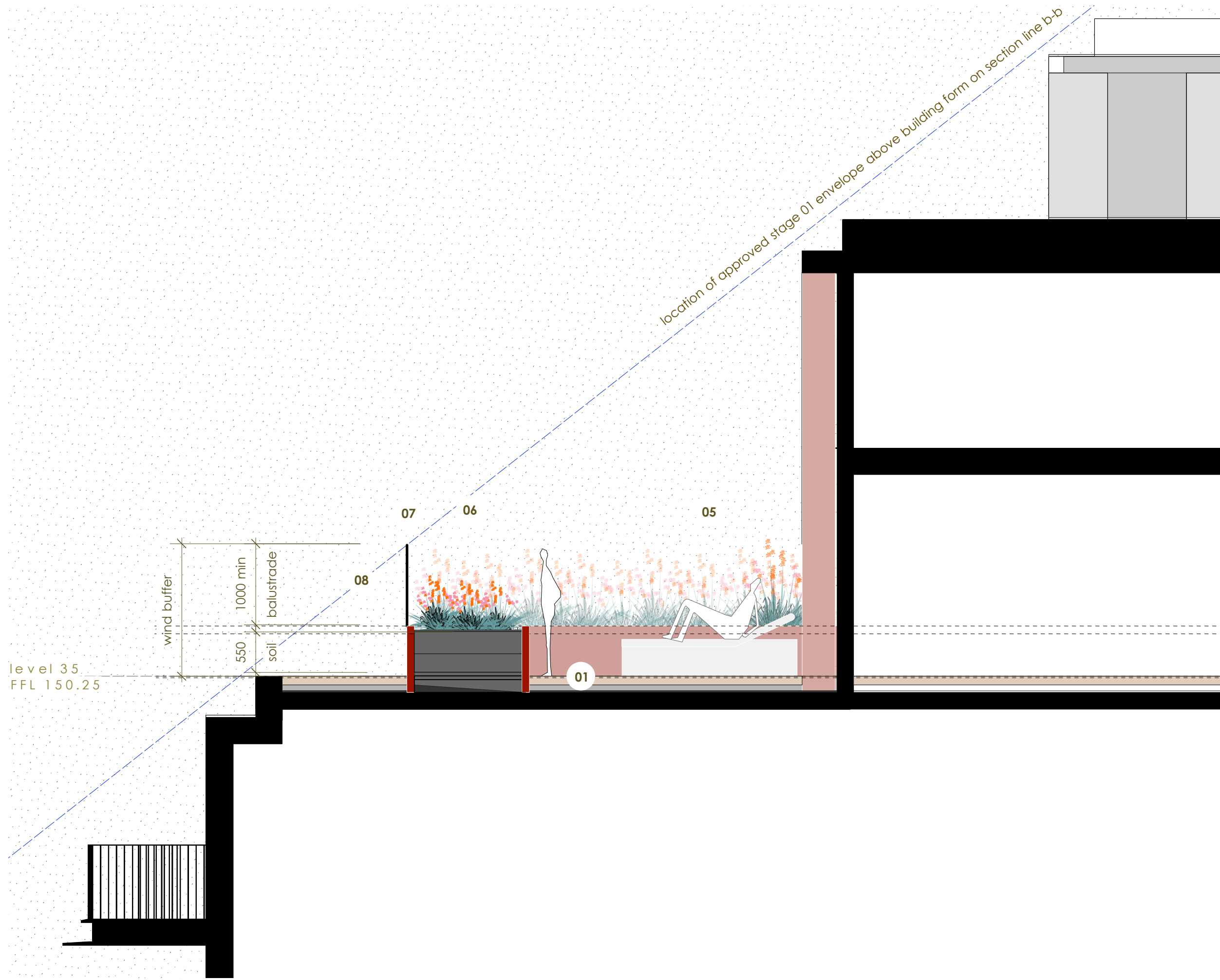


1 section a-a
Scale: 1:50

legend

- | | |
|-----------------------------|---------------------------------------|
| 1 paved residential terrace | 5 lounge chairs |
| 2 BBQ | 6 raised planter |
| 3 outdoor dining area | 7 balustrade edge for wind protection |
| 4 awning | 8 maintenance zone |

note :
- soil depth varies 300-550mm
as per ADG requirements
- interior layouts are indicative and will be further
developed during design development
- architecture background is indicative, refer
architectural plans for final layout and details

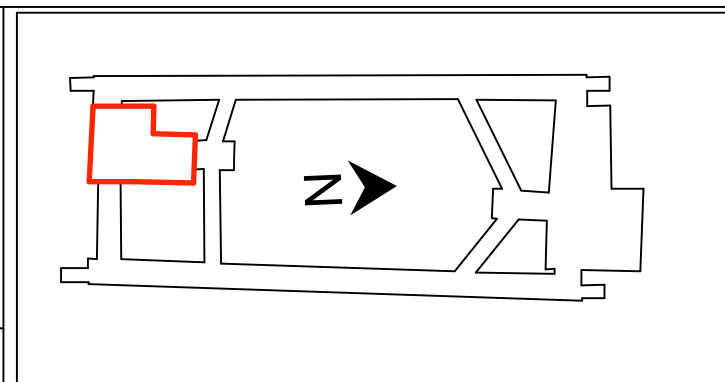


2 section b-b
Scale: 1:50

| REV. | BY | DATE | DESCRIPTION | APPD. |
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| D | rk | 28.08.20 | SSD DA stage 02 | sb |
| C | rk | 19.05.20 | SSD DA stage 02 | sb |
| B | rk | 03.04.20 | landowners consent | sb |
| A | rk | 27.03.20 | landowners consent | sb |
| P3 | rk | 21.02.20 | preliminary SSDA issue | sb |
| P2 | rk | 07.02.20 | preliminary SSDA issue | sb |
| P1 | rk | 10.01.20 | preliminary SSDA issue | sb |
| A1 Original Co-ordinate System: MGA Zone 56 Height Datum: A.H.D. This sheet may be prepared using colour and may be incomplete if copied | | | | |

SCALE

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NOTE: Do not scale from this drawing.

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SERVICE PROVIDERS



| | |
|--------------|----|
| DRAWN | rk |
| DESIGNED | rk |
| DRG CHECK | sb |
| DESIGN CHECK | sb |
| APPROVED | sb |

DRG No. SMCSWSPS-SBD-OSS-LA-DWG-003520

PITT STREET SOUTH OVER
STATION DEVELOPMENT (PSS OSD)

SSD DA STAGE 02
LEVEL 35 - LANDSCAPE SECTION A-A & SECTION B-B

STATUS: SSD DA stage 02

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METRO DRG No.

REV. D