Home Affairs Bureau
The Government of the Hong Kong Special Administrative Region

MOTT MACDONALD

Environmental Permit No. EP- 544/2017

Kai Tak Sports Park – Investigation

Environmental Team Leader Certification

Reference Document /Plan

Document/~~Plan~~ to be Certified:	Landscape and Visual Mitigation Plan (Rev.2)
Date of Report:	December 2021
Date received by ETL:	18 January 2022

Reference EP Condition

Environmental Permit Condition: 2.10 and 2.12

The Permit Holder shall, no later than one month before the commencement of construction of the Project or otherwise approved by the Director, submit five hard copies and one electronic copy of Landscape and Visual Mitigation Plan(s) (the LVMP) to the Director for approval. The LVMP shall include details, implementation programme, maintenance and management schedules, and drawings in an appropriate scale of the required landscape and visual mitigation measures for the Project.

The Permit Holder shall submit the relevant part(s) of the LVMP or any Updated LVMP relating to the requirements on planting and landscape design as set out in the relevant condition of approval of the EIA report (Register No. AEIAR-204/2017), as certified by the Registered Landscape Architect and the ET Leader and verified by the IEC under Condition 2.11 of this Permit, to the Advisory Council on the Environment (ACE) for comment prior to the submission to the Director for approval.

ETL Certification

I hereby certify that the above reference document complies with the above referenced condition of EP-544/2017.

Sunny Chan
Environmental Team Leader Date: 25 January 2022

Home Affairs Bureau
The Government of the Hong Kong Special Administrative Region

ERM

Environmental Permit No. EP-544/2017

Kai Tak Sports Park - Investigation

Independent Environmental Checker Verification

Reference Document/Plan

~~Document~~/Plan to be ~~Certified~~/ Verified:	Landscape and Visual Mitigation Plan
Date of Report:	December 2021
Date received by IEC:	18 January 2022

Reference EP Condition

Environmental Permit Condition: 2.10 and 2.12

The Permit Holder shall, no later than one month before the commencement of construction of the Project or otherwise approved by the Director, submit five hard copies and one electronic copy of Landscape and Visual Mitigation Plan(s) (the LVMP) to the Director for approval. The LVMP shall include details, implementation programme, maintenance and management schedules, and drawings in an appropriate scale of the required landscape and visual mitigation measures for the Project.

The Permit Holder shall submit the relevant part(s) of the LVMP or any Updated LVMP relating to the requirements on planting and landscape design as set out in the relevant condition of approval of the EIA report (Register No. AEIAR-204/2017), as certified by the Registered Landscape Architect and the ET Leader and verified by the IEC under Condition 2.11 of this Permit, to the Advisory Council on the Environment (ACE) for comment prior to the submission to the Director for approval.

IEC Verification

I hereby verify that the above referenced ~~document~~/plan complies with the above referenced condition of EP-544/2017.

Ms Mandy To

Independent Environmental Checker

Date: 25 January 2022

Our ref: 0500384_IEC Verification Cert_KTSP_LVMP_20220125.docx

Home Affairs Bureau
The Government of the Hong Kong Special Administrative Region

MOTT MACDONALD

Environmental Permit No. EP- 544/2017

Kai Tak Sports Park – Investigation

Environmental Team Leader Certification

Reference Document /Plan

Document/~~Plan~~ to be Certified:	Landscape and Visual Mitigation Plan (Rev.2)
Date of Report:	December 2021
Date received by ETL:	18 January 2022

Reference EP Condition

Environmental Permit Condition: 2.10 and 2.12

The Permit Holder shall, no later than one month before the commencement of construction of the Project or otherwise approved by the Director, submit five hard copies and one electronic copy of Landscape and Visual Mitigation Plan(s) (the LVMP) to the Director for approval. The LVMP shall include details, implementation programme, maintenance and management schedules, and drawings in an appropriate scale of the required landscape and visual mitigation measures for the Project.

The Permit Holder shall submit the relevant part(s) of the LVMP or any Updated LVMP relating to the requirements on planting and landscape design as set out in the relevant condition of approval of the EIA report (Register No. AEIAR-204/2017), as certified by the Registered Landscape Architect and the ET Leader and verified by the IEC under Condition 2.11 of this Permit, to the Advisory Council on the Environment (ACE) for comment prior to the submission to the Director for approval.

RLA Certification

I hereby certify that the above reference document complies with the above referenced condition of EP-544/2017.

Landscape Architects Registration Board HKSAR
LARB
Aloysius Y.M. Wong
王佑明
R068

Aloysius Wong
Registered Landscape Architect

Date: 25 January 2022

Kai Tak Sports Park

Landscape and Visual Mitigation Plan

Dec 2021 (Rev 2)

Contents

1 Introduction

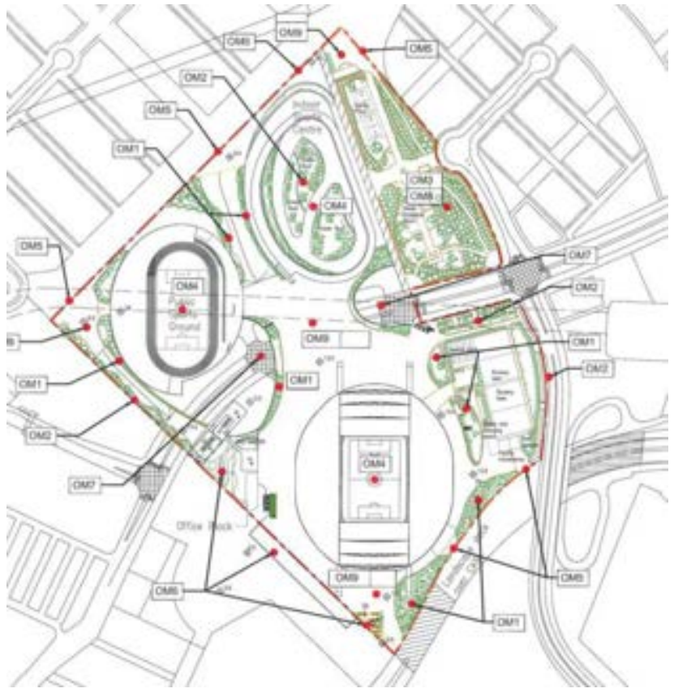
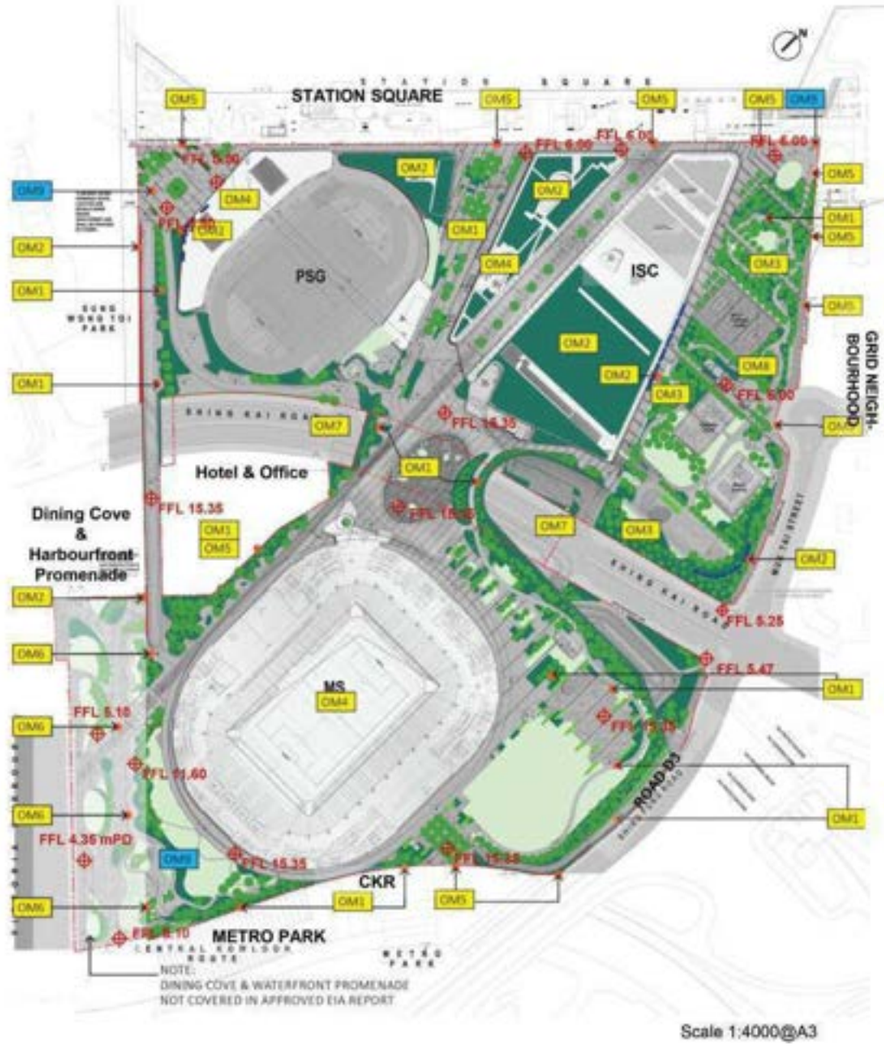
1.1.1 The Environmental Permit (EP) (i.e. EP-544/2017) for the Kai Tak Sports Park (KTSP) was issued on 8 September 2017 under the AEIAR.

1.1.2 As stipulated in the Condition 2.10 of the EP, the Permit Holder shall, no later than one month before commencement of construction of the Project or otherwise approved by Director of Environmental Protection (DEP), submit five hard copies and one electronic copy of Landscape and Visual Mitigation Plan (LVMP) to DEP for approval. The design, build and operate contract of the KTSP was commenced on 1 February 2019 and the construction of the KTSP commenced in April 2019. Under Conditions 2.12 of the EP, comments from Advisory Council on the Environment (ACE) on the relevant part(s) of the LVMP relating to the requirements on planting and landscape design as set out in the relevant condition of approval of the EIA report (Register No. AEIAR-204/2017) shall be sought before submitting the LVMP for approval. The DEP approved via his letter dated 20 March 2019 our proposal to submit the LVMP no later than 1 August 2019 or one month before the occurrence of relevant potential impacts whichever is earlier to facilitate the programme of works for the Project. Since ACE consultation meeting was scheduled on 9 September 2019, the DEP further approved via his letter dated 12 July 2019 our proposal to submit the LVMP no later than 31 December 2019 or one month before the occurrence of relevant potential impacts whichever is earlier to facilitate the programme of works for the Project. The detailed planting and landscape design plan had been sent to ACE for comments in Dec 2019 and no comments was received.

1.1.3 To facilitate the early commencement of construction of the Project without compromising the quality of the submission, as agreed with DEP, the LVMP would be submitted in two stages, viz. the stage 1 submission covers the LVMP for design and construction phase (LVMP(DC)) whereas the stage 2 submission is the full submission covering the design, construction and operation phases. EPD had no adverse comment on the LVMP (DC) via his letter on 22 July 2019. The LVMP was submitted to DEP on 30 December 2019 in accordance with Condition 2.10 of the EP. DEP comments were received.

1.1.4 This LVMP includes details, implementation programme, maintenance and management schedules, and drawings in an appropriate scale of the required landscape and visual mitigation measures for the Project with DEP's comments incorporated. The required landscape and visual mitigation measures for the construction and operational phases are based on Tables 11.22 and 11.23 of the approved EIA Report (Register No. AEIAR-204/2017).

2 Comparison of Potential Landscape and Visual Changes Between Approved EIA Scheme and Current Proposed Scheme

Parameters	Approved EIA Scheme	Current Proposed Scheme
Landscape and Visual Mitigation Measures	**Figure 2.1 (Clear version in Appendix L)** 	**Figure 2.2**  **Please refer to the detailed planting and landscape design plan (Appendix F– page A1)**
Distinctive Design Feature	---	Master Planning The Kai Tak Sports Park sits in a unique location providing an opportunity to connect a significant and growing population of Kowloon Bay residents with the newly accessible area of Victoria Harbour.

Note: The Landscape and Architectural Master Plan and details dated April 2020 were used for the purpose of this submission.

		The design allows this connection through the creation of the Kai Tak Sports Avenue. Kai Tak Sports Avenue runs the entire length of the site, from Station Square to the Dining Cove in the South, creating vibrant experiences along its length and linking the heart of the community with the park and the water. Along its length, Kai Tak Sports Avenue bisects the Indoor Sports Centre, linking Station Square to the main plaza and passes along the western edge of the Main Stadium, the Dining Cove and the grand reveal of Victoria Harbour. The buildings within Kai Tak Sports Park each hold important and varying roles within the operations of the park. They represent a unique identity and character while together reading as one family of buildings, complimentary of each other yet each uniquely identifiable. The Main Stadium in the south celebrates Hong Kong as the 'pearl of the orient' striking a classic and elegant silhouette as an object within a parkland setting. The north of the site takes on a character that connects with its urban environment. The Indoor Sports Centre melds with the surrounding city grid, responding to the connectivity, scale and materiality of the city around it, while also creating vibrant edges of activity. The Public Sports Ground opens itself up to the activities in front of it, while also creating a bold entry point to the entire Kai Tak Sports Park and linking into the landscaped spaces of the neighbouring Sung Wong Toi Park. Its striking roof form creates a sense of uplift, referencing the aviation history of the Kai Tak site. The creation of a unique and vibrant experience is at the heart of all elements of the Kai Tak Sports Park. From the moment visitors arrive, the venue design and integrated technology solution connects people throughout the site and the use of colour and digital signage helps generate an exciting experience. Video Screen Digital signage in the form of Video Screens have been incorporated in the northern facades at selected locations. The video screens are used to identify arrival points and create entries to the site. The video screens have been incorporated seamlessly within the façade in order to contain these elements within the overall massing of the buildings. Video Screens facing Station Square are represented in the below illustrative image.

Note: The Landscape and Architectural Master Plan and details dated April 2020 were used for the purpose of this submission.

		Figure 2.3 Video Screens facing Station Square  The design of the measures will comply with 1) Lighting Guide 4: Sports Lighting, Chartered Institution of Building Services Engineers; (2) BS EN 12193:2007 Light and Lighting–Sports Lighting, British Standards Institution, (3) "EMSD - guidelines on Industry Best Practices for External Lighting Installations, etc. as far as practicable. The design of the measures will comply with 1) Lighting Guide 4: Sports Lighting, Chartered Institution of Building Services Engineers; (2) BS EN 12193:2007 Light and Lighting–Sports Lighting, British Standards Institution, (3) "EMSD - guidelines on Industry Best Practices for External Lighting Installations, etc. as far as practicable. The EMSD guideline requires to avoid using video walls or signs with flickering, colour changing or movement effect in cases where the video walls or signs are facing directly at residents. Given that the overall lighting impact is not totally avoidable, the size of the video wall, the period of operation and the flickering rate have been further reduced and optimized. To further alleviate light nuisance impacts, the following measures will be implemented: • Adoptive Responsive Lighting Design and Disposition • Restriction of Operating hours for lighting • Automatic Controls for Lighting • Light Nuisance Control Measures • Preventative of Glare to Road Users Details of the above measures are listed in Appendix J.

Note: The Landscape and Architectural Master Plan and details dated April 2020 were used for the purpose of this submission.

		Vertical greening across building facades, • Details shall refer to the Landscape proposal and detailed planting proposal for further details Greening of Ramp and podium structures to soften building edges that face onto the surrounding areas. Details shall refer to the Landscape proposal and detailed planting proposal for further details
Building Height	**70mPD**	**66.325 mPD** **Figure 2.4 Level Plan of the proposed development** 
Width of Landscape Deck	**Approx. 120m at the widest point of Main Plaza**	**Approx. 100m at the widest point of Main Plaza**
Green Provision	**Not Shown in EIA report**	**Minimum 30% of site area**

Note: The Landscape and Architectural Master Plan and details dated April 2020 were used for the purpose of this submission.

3 Design, Construction and Operational Phase Audit

Design and Construction Phase Audit

3.1.1 The design and construction phase audit shall be as follows:

Clause in EM&A Manual	Audit	Auditor	Auditing Programme
11.3.1	To check the landscape design to ensure that the proposed landscape measures and additional measures (if required), are fully incorporated for mitigating the landscape and visual impacts.	Registered Landscape Architect	As and when the designs are produced
11.4.3	To carry out site inspections once every two weeks to ensure compliance with the intended aims of the measures.	Environmental Team Leader will carry out the inspection, and the inspection findings to be certified by the Registered Landscape Architect	Throughout the construction period

Operational Phase Audit

3.1.2 The operational phase audit shall be as follows:

Clause in EM&A Manual	Audit	Auditor	Auditing Programme
11.4.3	To carry out site inspections once every two months during the first year of the operational phase to ensure compliance with the intended aims of the measures.	Environmental Team Leader will carry out the inspection, and the inspection findings to be certified by the Registered Landscape Architect	First year of the operational phase period

4 Construction and Operational Phase Landscape and Visual Mitigation/Enhancement Measures

4.1 Construction Phase Landscape and Visual Mitigation/Enhancement Measures

4.1.1 Implementation programme, details, agent, maintenance and management schedules of the required landscape and visual mitigation measures for the construction phase of the Project are as follows:

ID No.*	Landscape/Visual Mitigation Measure	Implementation Details	Implementation Agent	Implementation Programme	Maintenance/ Management	Maintenance/ Management Schedule	Environmental Performance Required
CM1 / 11.9.47 of EIA Report	**<u>Controlled Night-Time Lighting</u>** (to mitigate adverse visual impact) All security floodlights for construction site shall be equipped with adjustable shield, frosted diffusers and reflective covers, and be carefully controlled to minimize light pollution and night-time glare to nearby receivers. [Remark: The floodlights shall be directed towards the target works zone and avoid directing towards sensitive receivers to avoid glare impact. The floodlights shall not be operated from 11 p.m. to 7 a.m. (next day).]	The typical details including the models / types of floodlights used and the locations are shown in **Appendix D**. The major lightings installed at construction site along site boundary would be Fluorescent Tube. The flooding lights would be only installed at the centre of Northern Site which would be a centralized generators area and the flooding lights would not be opened if there are no night works (generators would not need to be operated for night works). Detailed arrangements will be submitted to ETL for certification and IEC for verification.	KTSPL	Q2 2019 to Q4 2023	KTSPL	As Required	NA
CM2	**<u>Temporary Landscape Treatments</u>** (to mitigate adverse visual impact) Including vertical greening, pot planting and application of green roofing to site offices, short-term greening of site boundaries and land not immediately developed.	The typical details are shown in **Appendix E**. Detailed design will be submitted to ETL and RLA for certification and IEC for verification.	KTSPL	Q2 2019 to Q4 2023	KTSPL	As Required	NA

ID No.*	Landscape/Visual Mitigation Measure	Implementation Details	Implementation Agent	Implementation Programme	Maintenance/ Management	Maintenance/ Management Schedule	Environmental Performance Required
CM3	**Decoration of Hoarding** (to mitigate adverse visual impact) Erection of screen hoardings should be designed appropriately to be compatible with the existing urban context, either brightly and imaginatively or with visually unobtrusive design and colours where more appropriate.	The typical details are shown in **Appendix A**. Detailed design will be submitted to ETL and RLA for certification and IEC for verification.	KTSPL	Q2 2019 to Q4 2023	KTSPL	As Required	NA

* CM = Construction Mitigation

Abbreviations:

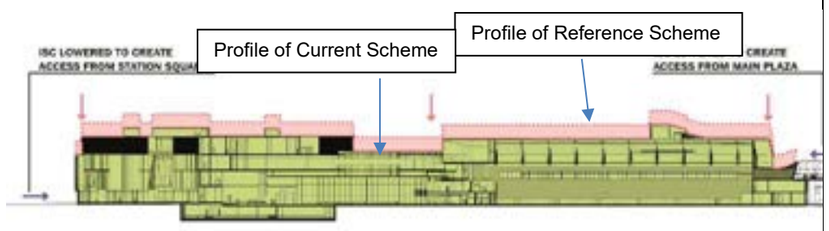
ETL	Environmental Team Leader
IEC	Independent Environmental Checker
RLA	Registered Landscape Architect
KTSPL	Kai Tak Sports Park Limited (Contracted Party for the Project)

4.2 Operational Phase Landscape and Visual Mitigation/Enhancement Measures

4.1.2 Implementation programme, details, agent, maintenance and management schedules of the required landscape and visual mitigation measures for the operational phase of the Project are as follows:

ID No.*	Landscape/Visual Mitigation Measure	Implementation Details	Implementation Agent	Implementation Programme	Maintenance/ Management	Maintenance/ Management Schedule	Environmental Performance Required
OM 1	**Greening of Walkways, Ramps and Decks** (to mitigate against potential deterioration of landscape resources and visual amenity) Greening shall be incorporated into at-grade areas and as raised planting areas on pedestrian walkways, ramps and decks.	Greening along ramped walkways such as Pier Walk have been enhanced in comparison with the approved EIA scheme whereby a series of human scale accessible spaces are formed by a series of trees in shrub planters and trees in paving to provide greenery along the walkway, shade and comfort to users as well as a continuous sequence of greenery linking Station Square to the Main Plaza and Sports Avenue. Tree and shrub planting is provided along the Eastern ramp (Cycle track/Greenway) that links to the Event Village which is an enhancement when compared to the approved EIA scheme. The walkways along the Northern and Western sides of the Main Stadium (Walk of Fame and Sports Avenue respectively) provide a greater level of greening when compared to the approved EIA scheme. together with a more substantial buffer planting zone Implementation details shall refer to detailed landscape and planting proposal **(Appendix F-** in particular pages **A1, A6,** and **B3)**	KTSPL	Q4/2019 to Q3/2023	KTSPL	As Required	DEVB TC No.3/2012 – Site Coverage of Greenery for Government Building Projects;
OM 2	**Green Roofs and Vertical Greening** (to mitigate against lost landscape resources and provide visual amenity) Green roofs and vertical greening should be provided to all built structures where feasible and opportunities should be maximised for incorporation on covered walkways and shade structures.	Extensive green roofs across the ISC are provided to the edge of roof areas to provide a greater sense of green continuity when compared to the approved EIA scheme, as well as providing a continuity of vertical greening adjoining the green roof – representing the historical image of "White Crane Hill" An extensive green roof is provided within the PSG as well as significant vertical greening of the building façade. Both of these greening measures are considered as enhancements to the approved EIA scheme which did not provide green roof or façade greening. Vertical greening in the form of a combination of climbing plants are proposed to soften the outlook of the western ramp facing onto the future Sung Wong Toi Park and the ramped walking within the Neighbourhood park. Climbing plants are also proposed to provide a green backdrop and softening of the built form as seen from within the PSG field of play. As such the extent of Vertical Greening has taken its cues from the approved scheme while generally having a wider distribution and greater level of integration within the scheme when compared to the approved EIA scheme. Implementation details shall refer to Detailed landscape and planting proposal **(Appendix F -** in particular pages **A4** and **A5)**	KTSPL	Q4/2019 to Q3/2023	KTSPL	As Required	DEVB TC No.3/2012 – Site Coverage of Greenery for Government Building Projects
OM	**Compensatory**	Approval of the Tree Preservation and Removal Proposal (TPRP) has been	KTSPL	Q2/2019 to	KTSPL/AS	As Required	DEVB TC

ID No.*	Landscape/Visual Mitigation Measure	Implementation Details	Implementation Agent	Implementation Programme	Maintenance/ Management	Maintenance/ Management Schedule	Environmental Performance Required
3	**Tree Planting** (to mitigate against lost landscape resources and provide visual amenity) Compensatory Tree Planting should be provided to a new parkland area to enhance the amenity and urban ecology/biodiversity .	obtained in accordance with DEVB TCW No. 7/2015. Tree felling, transplantation and retention are based on the criteria stipulated in Clause 11.9.28 of the approved EIA Report. A summary of the TRRP is provided in Section 4, while Tree Assessment Schedule and TPRP are appended in **Appendix B**. A new parkland area is created in the project development to be used for the implementation of compensatory tree planting to offset the net loss of key landscape resources. EIA report recommended that 340 trees be planted in this regard and a compensatory tree planting proposal outlining the locations of tree compensation will be submitted separately in seeking relevant government department's approval in accordance with DEVB TC No.7/2015. A compensatory tree planting will be implemented on-site to enhance the amenity and urban ecology/biodiversity within the project site. The detailed locations of tree planting and soiling are provided in **Appendix C**. Open Space with planting areas will be provided with significant depths of imported top soiling to ensure that no constraint to tree planting exists. In general min. 1200mm clear soil depth shall be provided for trees, min. 600mm clear soil depth shall be provided for shrubs, and min. 300mm clear soil depth shall be provided for groundcover and lawn planting within landscape areas.		Q4/2023	M		No.7/2015 - Tree Preservation
OM 4	**Responsive Building Design** (to enhance landscape character and mitigate against visual inconformity) All above ground structures, including, stadia, hotel and ancillary buildings, shall be sensitively designed in a manner that responds to the existing and planned urban context in terms of scale, height and bulk (visual weight) as well as use of appropriate building	The Kai Tak Sports Park has been designed to respond to its local context, while creating a major landmark facility that celebrates sport and entertainment for the people of Hong Kong and around the world. The scale, height and bulk of the Indoor Sports Centre, retail buildings, wellness centre and Public Sports Ground are designed to integrate seamlessly with the surrounding neighbourhood and utilise materials and colour in a way which harmonises with the surroundings, while creating a unique language for the Kai Tak Sports Park. The Main Stadium sits proudly to the south of the precinct, resting amongst the surrounding park land and responding to its prominent waterfront location with its elegant and timeless façade form and materiality. Its transformational colour and lighting system respects the many modes that the Kai Tak Sports Park will operate in, while being of a material which considers the surrounding neighbours for reflectance and glare. The strategy for Chromatic Effect shall be referred to **Appendix G** The buildings within the Kai Tak Sports Park each hold important and varying roles within the operations of the park, whilst also representing a unique identity and character. Together they read as a family of buildings within the one site, complimentary of each other yet each uniquely identifiable. A language of clarity and cleanliness is emphasized in the use of white and	KTSPL	Q4/2020 to Q1/2022	ASM	As Required	NA

ID No.*	Landscape/Visual Mitigation Measure	Implementation Details	Implementation Agent	Implementation Programme	Maintenance/ Management	Maintenance/ Management Schedule	Environmental Performance Required
	materials and colour to create a cohesive visual mass. Subdued tones should be considered for the colour palette with non-reflective finishes to reduce glare effect.	lighter base colours, which taps into the representation of lightness representing health, well-being and pureness. The built forms within the Kai Tak Sports Park are significant, however the design and planning of all of the venues has been developed to minimise the overall scale and appearance of the facilities. The impacts of the Indoor Sports Centre and Public Sports Ground have been reduced through a design response which breaks down the visual mass of the façades and creates a more human scale response to the surrounding community. The massing of the Indoor Sports Centre has been reduced through the introduction of Kai Tak Sports Avenue which bisects the Station Square façade. Similarly, the massing of the Public Sports Ground is reduced by accommodating retail functions in a separate Pier Plaza building in lieu of a larger combined massing. A plan demarcation of the location and footprint of the Pier Plaza Retail building is provided in **Appendix H**. The level of the Indoor Sports Centre was lowered from the reference design scheme to place the Main Arena at road level to enhance operational access and pedestrian connectivity. This also results in a reduction of the overall building mass. Sections demonstrating the levels of the reference design and current scheme are provided in **Appendix I.**  **Figure 2.5** Green walls and green roofscapes have been introduced extensively to further tie the buildings into the precinct and connect the Kai Tak Sports Park with the neighbouring Metro Park, Station Square and Sung Wong Toi Park. This creates a more sustainable building envelope while also improving the appearance of the buildings from both ground level and above.					
OM 5	**Integration of Development Boundaries** (to enhance landscape character and mitigate against	• Consistent interface levels of soil and paved areas along project boundaries are provided for ease of future connection by other projects. This allows for greenery at the edges of interfacing projects to abut one another to form and extend the green continuum within the Kai Tak area, supporting the potential development of habitat corridors within green buffer spaces that are infrequently disturbed by the public and maintenance. • Tree and shrub planting is provided along the most of the project boundary forming a green spine of parkland and landscape buffer zones	KTSPL	Q2/2019 to Q2/2023	ASM	As Required	NA

ID No.*	Landscape/Visual Mitigation Measure	Implementation Details	Implementation Agent	Implementation Programme	Maintenance/ Management	Maintenance/ Management Schedule	Environmental Performance Required
	visual inconformity) The project boundaries shall be without fences or barriers, providing seamless physical and visual integration with the surrounding public spaces. Careful consistency of levels and materials shall create indefinite development edge, integrating the development into the future Sung Wong Toi Park, the Station Square Open Space Corridor and the Metropark.	comprised of landforms as follows: o Eastern Boundary: along the eastern edges adjoining Shing Kai Road, and Roads L6 and D3, o Southern Boundary planted buffer zones are provided along the CKR boundary and future connection to Metro Park for visual screening and urban ecological benefit, o Western Boundary – Landforms transition from the podium level down the waterfront promenade level incorporating a coastally responsive planting palette, and forming a continuous green connection from the parkland to the water body of Victoria Harbour. o Tree planting at nearby interfacing spaces with Station Square (Runway 31, Pier Walk and Neighbourhood Park) provide a continuity of the tree canopy within the adjoining open space while accommodating the requirements for movement of pedestrians and crowd dispersal underneath. • Paving materials used in the surrounding areas are referenced in the selection of paving materials where available to avoid sharp visual transitions. Much of the open space paving is comprised of nature granite and concrete block pavers with clean and simple patterning to support wayfinding and visual coherence within the precinct, also avoiding bright and highly reflective surfaces that may cause glare. • The continuity of parkland, vertical greening and green roofs across the precinct provide a combined medium of planting across the various buildings acting as a visually unifying element at the urban scale. Implementation details shall refer to detailed landscape and planting proposal **(Appendix F -** in particular pages **B26 to B32)**					
OM 6	**Integration with Dining Cove and Waterfront Promenade** (to enhance landscape character and mitigate against visual inconformity) Careful design consideration of the interface of the raised stadium deck at 15.35mPD with that of the Waterfront Promenade at 5mPD shall be undertaken. Visual articulation and physical	• The site boundary of the project has been expanded when compared to the approved EIA scheme offering the advantage of being able to design the podiums interface with the waterfront promenade in a more integrated manor. • Landforms transition from the podium level to an intermediary viewing deck level and down to the ground level of the Waterfront Promenade, softening the overall developments elevation when seen as part of the Kowloon skyline. • Large multi-purpose gathering lawns are provided at different levels to provide a variety of opportunities for open Harbour views within a parkland context surrounded by shrub and tree. • Continuity of coastal planting groups are provided at the various development levels interfacing with the waterfront. Implementation details including the use of landforms to soften buildings integration along the waterfront promenade shall refer to detailed landscape and planting proposal **(Appendix F –** in particular pages **B19 to B22** and **C4.4 to C4.13)**.	KTSPL	Q1/2022 to Q2/2023	ASM	As Required	NA

ID No.*	Landscape/Visual Mitigation Measure	Implementation Details	Implementation Agent	Implementation Programme	Maintenance/ Management	Maintenance/ Management Schedule	Environmental Performance Required
	penetration of the development at promenade level shall be created by avoiding a continuous boundary wall. Furthermore integrated design of the adjacent proposed retail development shall ensure visual cohesion and an improved character setting.						
OM 7	**Light Penetration Under Deck** (to enable resource mitigation, enhance landscape character and mitigate against visual sterility) The landscape deck shall be cut back and light wells incorporated to maximise natural light penetration to at-grade covered areas under the deck, to allow for enhanced visual amenity, improved utilisation of ground space and significant incorporation of both horizontal and vertical greening at ground level.	The landscape deck shall be cut back to maximise natural light penetration to at-grade covered areas under the deck, to allow for enhanced visual amenity, improved utilisation of ground space and significant incorporation of both horizontal and vertical greening at ground level. To achieve this, the width of the central deck and western deck were reduced from 120m and 23m of the EIA approved scheme to 104m and 13m in the proposed scheme respectively. Pedestrian movement across the Kai Tak Sports Park site is achieved using the central landscape deck incorporating the Main Plaza and also via the western ramp providing access from the north-west corner of the site. Both of these options allow grade separation for safe movement of pedestrians away from traffic on Shing Kai Road (Road D2). The central landscape deck has been developed to optimise functionality for the Kai Tak Sports Park while avoiding any unnecessary coverage of ground level spaces. The experience along Shing Kai Road (Road D2) minimises its deck coverage by stepping back from the eastern site boundary and creating an edge condition that embraces greenings as part of the design, softening the visual impact to vehicles and pedestrians alike. The deck level itself has been flattened and lifts to RL15.35, increasing the height of the podium at its edge, increasing light penetration while creating a more usable space at the upper level. The sub-podium structural design integrates a back of house circulation route which reduces the need for operational services crossing the road, increasing the safety of all users and creating a visually clear experience along road D2. The sub-podium sitting under the main plaza reduces the need for additional space at plaza level which would have further impact on	KTSPL	Q1/2022 to Q2/2023	ASM	As Required	NA

ID No.*	Landscape/Visual Mitigation Measure	Implementation Details	Implementation Agent	Implementation Programme	Maintenance/ Management	Maintenance/ Management Schedule	Environmental Performance Required
		coverage of Shing Kai Road. Vertical and horizontal greening are integrated throughout the precinct, blending the architecture and landscape to emphasise the parkland experience of Kai Tak Sports Park. Incorporation of a new park within the development area shall facilitate the visual corridors outlined by the urban design framework to create an urban light well, protecting longer views and providing visual amenity to nearby receivers. The park shall maximise tree and shrub planting with emphasis on incorporating native species and integrate facilities primarily for the regular use of adjacent residential communities. Shrub planting is provided where possible along the interface with Shing Kai Road. Tree planting is also provided outside of the Kai Tak Tunnel due to loading restrictions. The deck structures spanning Shing Kai Road incorporate sunken edge shrub planting to soften the build form and integrate it as part of the continuous parkland spanning the road between the Neighborhood Park and Event Village. Implementation details shall refer to detailed landscape and planting proposal **(Appendix F**- page **B5)**					
OM 8	**Neighbourhood Park**[#] (to mitigate against lost landscape resources, provide visual amenity and enhance development landscape character) Incorporation of a new park within the development area shall facilitate the visual corridors outlined by the urban design framework to create an urban light well, protecting longer views and providing visual amenity to nearby receivers. The park shall maximise tree and shrub planting	The Neighbourhood Park forms part of the Lion Rock Vista allowing for views of the ridgeline from the future Metro Park Open Space, as well as from within the precinct. The Neighbourhood Park is designed to emphasize neighborhood access and linkage to the park and the overall precinct with key east / west axis aligned to the pedestrian and open space corridors in the adjoining Grid Neighbourhood offering improved pedestrian permeability when compared to the approved EIA scheme. Tree and Shrub planting is maximized within the Neighbourhood Park exceeding the minimum greenery coverage requirements for a Regional Open Space. The overall precinct is designed to provide a parkland experience throughout, achieving through an even distribution of trees to provide shade, comfort and human scale. A combination of native and exotic species representative of plant groups common to Hong Kong are proposed with an emphasis on seasonal variety providing a visual amenity and attraction for the public as well as a source of food for pollinating species, supporting the development of local urban ecology within Kai Tak. Landforms are utilized to provide unique character to the Parkland, provide visual enclosure and a green backdrop, and to enhance the visual layering	KTSPL	Q1/2022 to Q2/2023	ASM	As Required	NA

ID No.*	Landscape/Visual Mitigation Measure	Implementation Details	Implementation Agent	Implementation Programme	Maintenance/ Management	Maintenance/ Management Schedule	Environmental Performance Required
	with emphasis on incorporating native species and integrate facilities primarily for the regular use of adjacent residential communities.	effect of shrub and tree planting. The Neighbourhood Park as well as the overall Kai Tak Sports Park provides a variety of facilities of the public. Those within the outdoor landscape setting include, jogging track and trails, cycle track/greenways, sports courts, Fitness Stations designed for all age and user groups, Children Play area, Interactive water play, Outdoor Art Installations, a variety of outdoor gathering spaces to watch and partake in community events. Implementation details shall refer to detailed landscape and planting proposal **(Appendix F -** overall and in particular pages **B13 to B14** and **C2 to C2.6)**					
OM 9	**<u>Bespoke Amenity Area Lighting</u>** (to mitigate against visual impact from glare and enhance visual amenity) Development of a bespoke project amenity area lighting scheme shall be incorporated that minimises general area light pollution, provides thematic lighting, responds to user demand intensity and minimises pavement obstruction and visual clutter. The following shall be practically considered: • mounting height and direction of fixtures to avoid sensitive receivers; • reflectance so as to avoid glare effect;	The lighting strategy for building and canopies across the precinct relies at a combined solution of mostly integrated façade lights and direct downlights (for shopfronts and main stadium plinth) and limited uplights (for main entrances and canopy soffits). The lighting system across to be connected to the centralised lighting management system. Timers, movement sensors and dimmers will allow to control these further based on day time, events modes, number of users in areas, etc. to minimize disturbance to the neighbourhood. The strategy for Lighting design and glare control shall refer to **Appendix J**	KTSPL	Q1/2022 to Q2/2023	ASM	As Required	NA

ID No.*	Landscape/Visual Mitigation Measure	Implementation Details	Implementation Agent	Implementation Programme	Maintenance/ Management	Maintenance/ Management Schedule	Environmental Performance Required
	• incorporation of low level downlighting integrated onto building facades, walls and structures; • utilising area movement sensors; • programming of operation for minimised utilisation.						

* OM = Operational Mitigation

The terms Urban Park and Neighbourhood Park are synonymous. The term Urban Park was stated in the approved EIA whereas the term Neighbourhood Park is the given name for the Urban Park in the KTSP project.

Abbreviations:

ETL	Environmental Team Leader
IEC	Independent Environmental Checker
RLA	Registered Landscape Architect
KTSPL	Kai Tak Sports Park Limited (Contracted Party for the Project)
ASM	ASM Global

Photomontages

5.1.1 This section provides a comparison between photomontages of the current scheme and photomontages included in the approved EIA. All photomontages show Year 10 with mitigation measures. Photomontages with higher resolution are provided in Appendix K. Please note that the images produced for the submission of the approved EIA scheme were created by the EIA consultant. The working files used to create this original submission are unavailable to the current design team. This makes it impossible for the current design team to create images that are identical representations, as information such as background imagery, site models and settings such as camera location and angle, are unavailable to the current team. Further to this, new information on the design of areas such as Metro park have been made available. This results in a greater visual change as areas outside of the Kai Tak Sport Park boundary have also been updated. Images have been generated to as closely as possible recreate the images previously submitted. Every attempt has been made to generate information which will allow for a comparison of the schemes.

5.1.2 The photomontages are developed to highlight the key mitigation and enhancement measures introduced to reduce residual visual impacts of the development and particularly the above ground structures. A total of 6 key photomontage viewpoints (PMV) have been selected from VSRs located at district and local levels. The PMV have been selected based on the following criteria:

- representing a balanced combination of viewing position, height and distance;
- being both private and publicly accessible places surrounding the MPSC site;
- being from HIGH sensitivity receivers; and
- following the recommendations of the TPB Guidelines on Submission of Visual Impact Assessment for Planning Applications to the Town Planning Board (TPB PG-NO. 41).

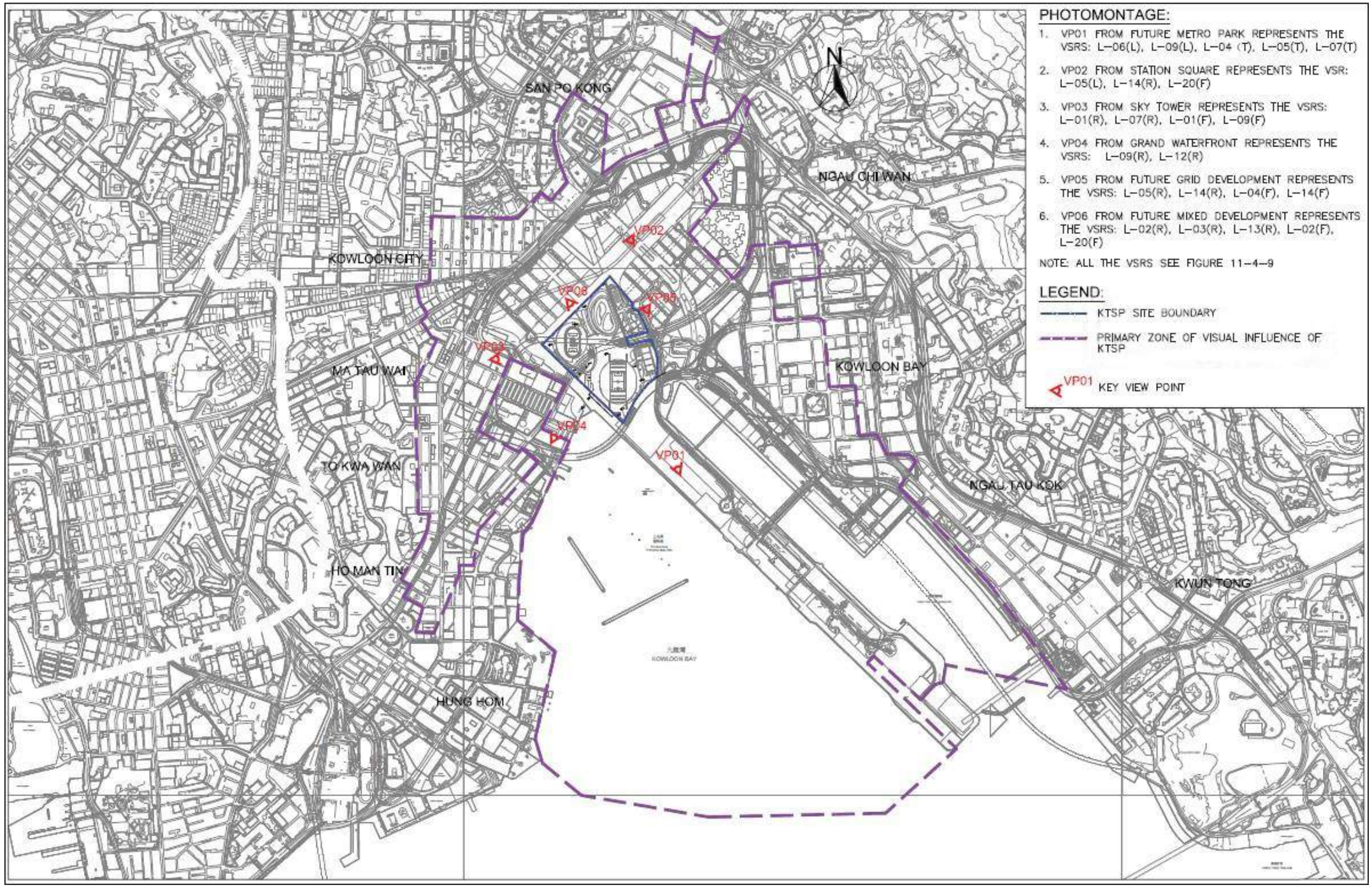
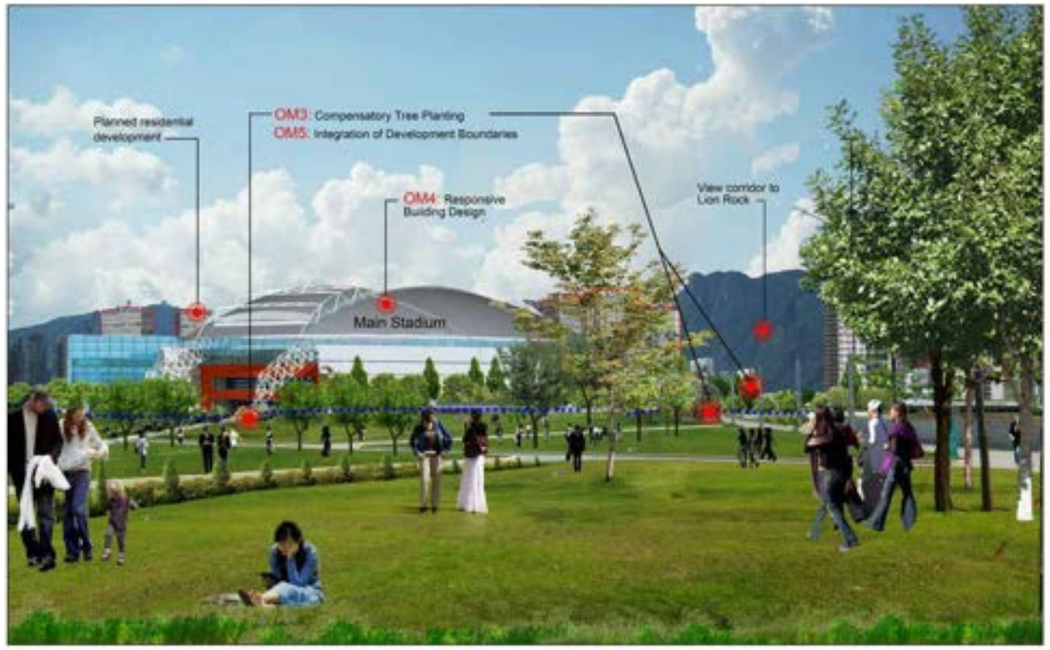
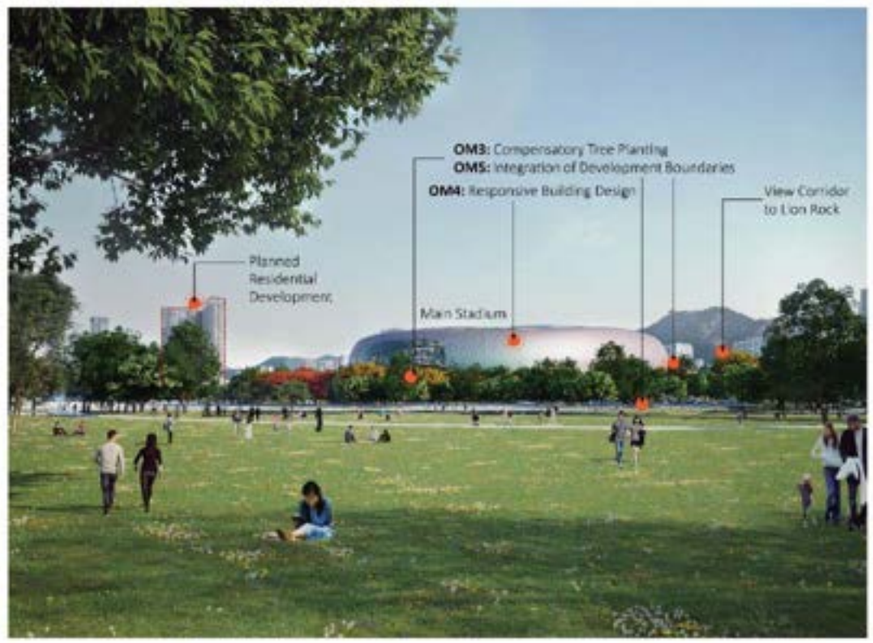


Figure 5.1 Location Plan for Photomontage View Points

Photomontage 01: Key Viewpoint VP01 from Future Metro Park (Year 10 with mitigation Measures)



Approved EIA scheme



Current Proposed scheme

Photomontage 02: Key Viewpoint VP02 from Future Station Square (Year 10 with mitigation Measures)

Approved EIA scheme

Current Proposed scheme

Photomontage 03: Key Viewpoint VP03 from Sky Tower (Year 10 with mitigation Measures)

Approved EIA scheme

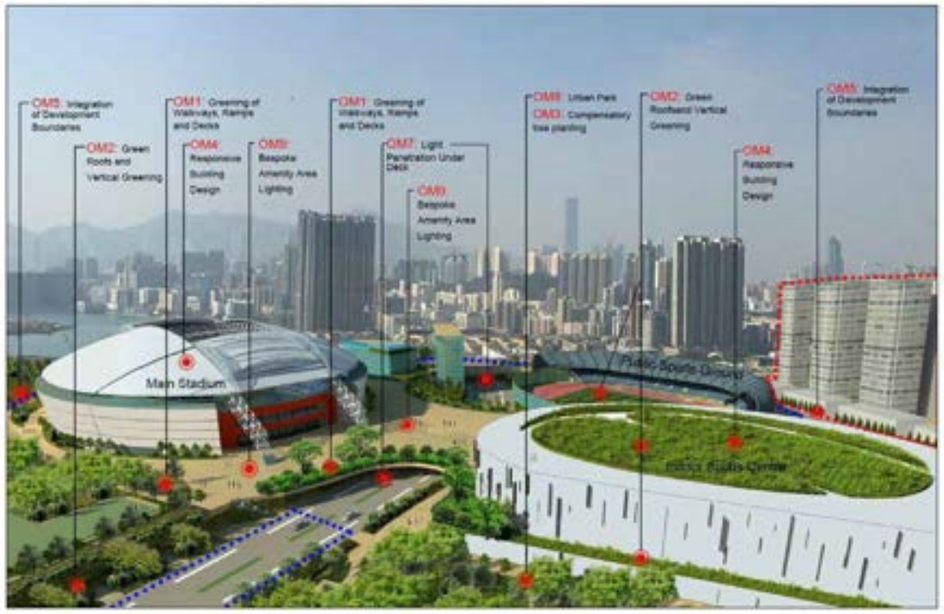
Current Proposed scheme

Photomontage 04: Key Viewpoint VP04 from Grand Waterfront (Year 10 with mitigation Measures)

Approved EIA scheme

Current Proposed Scheme

Photomontage 05: Key Viewpoint VP05 from Future Grid Development



Approved EIA scheme

Current Proposed scheme

Photomontage 06: Key Viewpoint VP06 from Future Mixed Development

Detailed Planting and Landscape Design Plan

6.1.1 The detailed Planting and Landscape Design Plan shall refer to **Appendix F**.

7 Conclusion

7.1.1 According to Condition 2.10 of EP-544/2017, this LVMP is prepared to provide details, implementation programme, maintenance and management schedules, and drawings of the required landscape and visual mitigation measures for the Project. The detailed planting and landscape design plan with clear objectives for, including but not limited to, the purpose of amenity or enhancement of urban ecology / biodiversity have been devised.

Appendix A

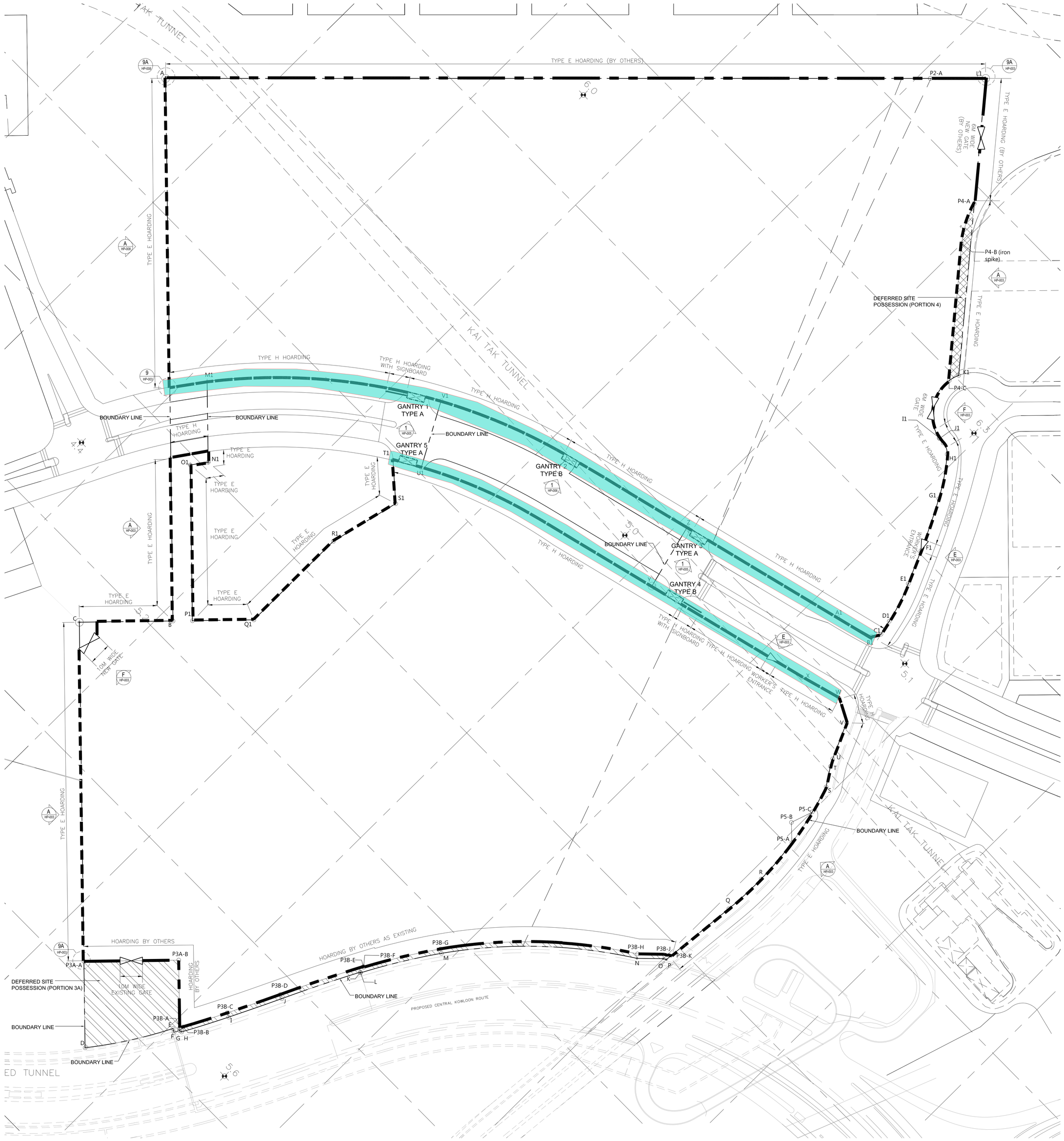
Typical Details of Hoarding

ID NO.	Landscape / Visual Mitigation Measure
CM3	Decoration of Hoarding

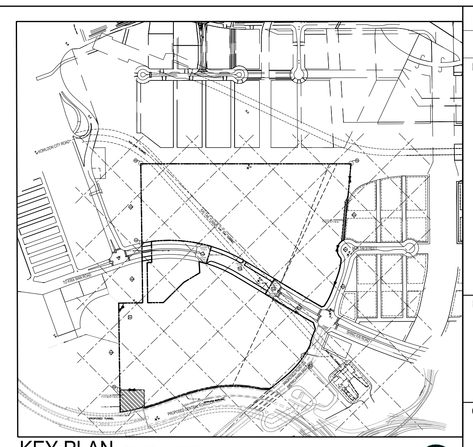
)

Site Coordinate Points		
Point	Northing(m)	Easting(m)
A	820564.356	837946.913
B	820312.767	838208.575
C	820267.564	838165.112
D	820070.234	838370.343
E	820121.137	838402.524
F	820119.903	838404.768
G	820123.233	838406.592
H	820123.704	838408.220
I	820152.983	838423.285
J	820186.981	838439.490
K	820236.816	838463.801
L	820236.583	838464.244
M	820284.266	838492.994
N	820375.033	838587.385
O	820387.360	838599.897
P	820388.464	838601.824
Q	820442.054	838606.979
R	820471.466	838608.043
S	820545.677	838594.761
T	820557.367	838587.060
U	820562.041	838584.490
V	820585.606	838573.879
W	820593.459	838558.601
X	820585.653	838531.194
Y	820556.492	838417.425
Z	820601.826	838405.804
A1	820630.987	838519.573
B1	820638.062	838544.430
C1	820643.630	838547.881
D1	820653.632	838545.626
E1	820680.327	838536.709
F1	820702.018	838526.941
G1	820734.826	838510.666
H1	820759.722	838493.403
I1	820763.164	838486.140
J1	820763.532	838482.355
K1	820802.340	838461.285
L1	820954.805	838332.644
M1	820441.728	838110.521
N1	820404.184	838149.568
O1	820394.329	838142.504
P1	820322.138	838217.585
Q1	820351.785	838246.091
R1	820426.559	838246.091
S1	820474.000	838257.519
T1	820493.075	838235.583
U1	820503.020	838252.446
V1	820544.000	838229.843
P2-A	820928.393	838306.550
~~P2-B~~	~~820915.892~~	~~838311.223~~
~~P2-C~~	~~820782.848~~	~~838426.467~~
~~P2-D~~	~~820763.632~~	~~838481.789~~
P3A-A	820110.298	838328.675
P3A-B	820156.006	838372.684
P3B-A	820124.713	838405.351
P3B-B	820126.674	838406.415
P3B-C	820154.298	838420.588
P3B-D	820188.238	838436.766
P3B-E	820240.875	838462.532
P3B-F	820240.636	838462.986
P3B-G	820285.980	838490.532
P3B-H	820377.386	838585.499
P3B-J	820389.770	838598.068
P3B-K	820392.122	838602.176
P4-A	820890.513	838386.890
P4-B	820865.729	838399.951
P4-C	820795.414	838459.279
P5-A	820503.153	838605.243
P5-B	820512.516	838595.319
P5-C	820527.352	838600.266

Arc Coordinate Points		Centre	
Arc	Radius	Northing(m)	Easting(m)
D-E	335.614	820274.300	838103.896
H-I	761.016	820486.440	837739.215
I-J	2064.736	821058.365	836567.639
J-K	1121.190	819720.477	839459.021
L-M	452.849	820027.038	838865.695
M-N	341.870	820087.789	838772.765
Q-R	246.495	820465.655	838361.616
R-S	246.498	820465.656	838361.613
T-U	33.499	820575.795	838615.037
D1-E1	140.000	820622.845	838409.053
F1-G1	490.000	820500.822	838080.152
G1-H1	140.000	820667.968	838387.662
H1-I1	10.000	820753.168	838485.850
I1-J1	28.000	820791.152	838486.952
J1-K1	28.000	820791.152	838486.952
M1-V1	386.800	820205.303	838416.654
N1-O1	332.999	820205.303	838416.654
P2-C-P2-D	60.715	820823.484	838471.580
P4-A-P4-B	74.629	820912.296	838458.270



HOARDING LAYOUT PLAN
1:1000



KEY PLAN SCALE : 1: 8000

GENERAL NOTES:

1. HOARDING PLAN TO BE IN ACCORDANCE WITH PNAP APP-21, APP-23 AND CODE OF PRACTICE OF DEMOLITION 2004 AND SHOULD READ IN CONJUNCTION WITH THE APPROPRIATE STRUCTURAL HOARDING DRAWINGS AS REFERRED ON THE DRAWINGS.
2. ALL STEEL WORKS TO BE PAINTED WITH 2 COATS OF SYNTHETIC PAINT. ALL EXPOSED SURFACES OF METAL WORKS SHOULD BE PAINTED IN APPROVED COLOUR ON BOTH VERTICAL STEEL POST AND HORIZONTAL STEEL POST RESPECTIVELY UNLESS OTHERWISED STATED. COLOUR SAMPLE TO BE SEPARATELY SUBMITTED FOR APPROVAL.
3. THE EXPOSED FACES OF CONCRETE PLINTH SHALL BE OF SMOOTH SURFACE AND ANY EXPOSED EDGES AND CORNERS SHALL BE CHAMFERED.
4. THE HOARDING SHOULD BE PROPERLY AND ADEQUATELY LIT WITH 18W 600mm LONG TUBULAR WATERPROOF FLUORESCENT LAMP AT 3000mm SPACING AT NIGHT AS PROMULGATED IN PNAP APP-23.
5. A MINIMUM CLEARANCE OF 500mm SHOULD BE PROVIDED BETWEEN THE EDGE OF THE COVERED WALKWAY AND THE KERBLINE.
6. THE MINIMUM CLEAR WIDTH OF HOARDING/ COVERED WALKWAY SITED ON CARRIAGEWAY OR FOOTPATH SHALL BE PROVIDED IN ACCORDANCE WITH PNAP APP-23.
7. THE CLEAR HEADROOM INSIDE COVERED WALKWAY INCLUDING BRACING TO BE 2300mm MIN.
8. TRAFFIC SIGN & SIGNALS SHOULD NOT BE OBSCURED.
9. TRANSPORT DEPARTMENT SHOULD BE APPROACHED ON NECESSARY REMOVAL OF STREET FURNITURE, TRAFFIC SIGNS, SIGNALS, MARKINGS, BUS STOPS, PARKING SPACES, ETC. AT THE OWNER'S COST AND WITH ADVANCE NOTICE.
10. NO VEHICLES SHOULD REVERSE ONTO / FROM PUBLIC ROAD.
11. LOADING / UNLOADING SHOULD BE CONFINED WITHIN THE SITE.
12. VEHICLES SHOULD NOT BE PLANNED TO QUEUE ON PUBLIC ROAD.
13. ADDITIONAL TIE-WIRE TO BE PROVIDED TO ENHANCE THE STABILITY OF THE HOARDING / COVERED WALKWAY DURING TYPHOON SEASONS.
14. ALL STRUCTURAL STEEL MEMBERS TO BE WELDABLE STRUCTURAL STEEL OF GRADE S275 COMPLYING WITH BS EN 10025:2004.
15. ALL STRUCTURAL STEEL MEMBERS TO BE PAINTED WITH 2 COATS OF ANTI-RUST PAINT.
16. ALL STEEL WORKS SHALL BE MANUALLY CLEANED TO ARCHSD GS CL 15.61(I), PRIMED WITH ONE COAT OF OIL BASED ZINC PHOSPHATE PRIMER AND FINISHED WITH TWO FINISHING COATS OF SYNTHETIC PAINT OF ALKYD RESIN BASE.
17. ALL BOLTS TO BE GRADE 4.6 BLACK BOLTS TO BS 4190.
18. ALL CORRUGATED STEEL SHEET PANELS, CAPPINGS AND TOE SHEETS SHOULD BE OF GALVANIZED STEEL WITH MINIMUM ZINC COATING CONTENT 350g/m² WITH TRIPLE SPOT TEST, AND BE FINISHED ON BOTH SURFACES WITH ONE UNDERCOAT OF PRIMER AND TWO FINISHING COATS OF SYNTHETIC PAINT OF ALKYD RESIN BASE IN ACCORDANCE WITH SECTION 21 OF THE GENERAL SPECIFICATION FOR BUILDING 2017 EDITION PUBLISHED BY ARCHITECTURAL SERVICES DEPARTMENT OR THEREAFTER.
19. ALL WELDING TO BE 6mm FILLET WELD ALL ROUND IN ACCORDANCE WITH BS EN 1011-1:2009 UNLESS OTHERWISE STATED.
20. CONCRETE COVER TO REINFORCEMENT TO BE 50mm.
21. DESIGN WIND LOAD TO BE 0.67kPa, ie. 37% OF DESIGN WIND PRESSURE OF 1.82kPa.
    ALLOWABLE SOIL BEARING CAPACITY = 100 kPa (w/o WIND)
    = 125 kPa (w/ WIND)
22. DESIGN OF STRUCTURE TO BE IN ACCORDANCE WITH:
    a. HONG KONG BUILDING (CONSTRUCTION) REGULATION 2012.
    b. CODE OF PRACTICE FOR STRUCTURAL USE OF CONCRETE 2013.
    c. CODE OF PRACTICE FOR STRUCTURAL USE OF STEEL 2011.
    d. CODE OF PRACTICE FOR WIND EFFECTS IN HONG KONG 2004.
    e. PNAP APP21 AND 23 (UNLESS OTHERWISE STATED).
23. CONCRETE:
    a. CONCRETE TO FOOTING FOR HOARDING TO BE DESIGN MIX GRADE 30/20D
    b. THE REACTIVE ALKALI OF CONCRETE EXPRESSED AS THE EQUIVALENT SODIUM OXIDE PER CUBIC METRE OF CONCRETE SHOULD NOT EXCEED 3.0kg WHEN DETERMINED IN ACCORDANCE WITH THE SPECIFICATION UNITS GIVEN IN APPENDIX A OF PNAP APP-74.
    c. IF PFA IS TO BE USED, THE REQUIREMENT SPECIFIED IN PRACTICE NOTE FOR AP / RSE 90 SHALL BE FULFILLED. THE PFA CONTENT SHALL NOT EXCEED 25% BY MASS OF CEMENTITIOUS CONTENT OF THE CONCRETE.
    d. ALL REINFORCEMENT TO BE GRADE 500 HIGH YIELD BAR WITH NORMAL YIELD STRENGTH OF 500MPa AND COMPLY WITH CS2: 2012.
    e. FOOTING REINFORCEMENT TO BE T10-200 BOTH DIRECTIONS OR A393 MESH WITH MIN. 35mm CONCRETE COVER.
25. HOME AFFAIRS BUREAU LOGO, KAI TAK SPORTS PARK LOGO AND CONSTRUCTION INDUSTRY LOGO TO BE PAINTED ALTERNATIVELY AT A 3-BAY INTERVAL. WHICH WILL ALSO BE INCORPORATED INTO THE HOARDING GRAPHICS UNDER A SEPARATE A/P/DA PACKAGE.
26. ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE STATED.
27. STRUCTURAL DETAILS SUBJECT TO SEPARATE CONSENT BY SORSE.
28. ALL METAL WORK REFERRED IN THE DRAWINGS SHOULD COMPLY WITH SECTION 17 OF THE GENERAL SPECIFICATION FOR BUILDING 2017 EDITION OR THEREAFTER.
29. ALL GANTRIES ARE WITHIN THE SITE BOUNDARY AND PEDESTRIAN CROSSINGS FRONTING GANTRIES TO ARE TO BE MAINTAINED FOR PUBLIC.
30. HOARDING GRAPHICS SHALL BE SUBMITTED UNDER A SEPARATE A/P/DA PACKAGE.

LEGEND :

- SITE BOUNDARY
- NEW GANTRY (TYPE A & TYPE B)
- SINGLE BOARD HOARDING
- SINGLE BOARD HOARDING WITH SIGNBOARD
- DOUBLE DECK HOARDING WITH COVERED WALKWAY
- DOUBLE DECK HOARDING WITH COVERED WALKWAY & SIGNBOARD
- HOARDING BY OTHERS
- ENTRANCE GATE
- SITE PORTION 3A
- SITE PORTION 4
- WORKER'S ENTRANCE

FILE REF:

REFERENCE MAP

EMPLOYER :

HOME AFFAIRS BUREAU
The Government of Hong Kong
Special Administrative Region

CONTRACTED PARTY

KAI TAK SPORTS PARK LIMITED

FIRST TIER SUB-CONTRACTOR - DESIGN AND BUILD :

協興工程有限公司
HIP HING ENGINEERING CO LTD
Member of NWS Holdings

FIRST TIER SUB-CONTRACTOR - OPERATE :

SMG

LEAD CONSULTANT (DESIGN STAGE) / ARCHITECTURAL DESIGNER :

POPULOUS

LEAD CONSULTANT (CONSTRUCTION STAGE) / ARCHITECTURAL DESIGNER / AUTHORIZED PERSON :

SKA LTD

ENGINEERING DESIGNER :

ARUP

LANDSCAPE DESIGNER / REGISTERED LANDSCAPE ARCHITECT :

ADI

TURF EXPERT :

STRI

SPORTS DEVELOPMENT / COMMERCIAL SALES CONSULTANT :

Lagardère SPORTS

AP / DDA CONSENT

( ) Consent is given without conditions
( ) Consent is given with conditions
( ) Consent is not granted
For and on behalf of Supervising Officer

SOR/
Date :

CONTRACTED PARTY :

Simon Lee
Project Manager
Kai Tak Sports Park Ltd.
Date :

ARCHITECTURAL DESIGN CHECKER :

Joel C.S. Chan
Registered Architect, Authorised Person
P&T Architects and Engineers Limited
Date :

ARCHITECTURAL DESIGNER :

Simon S.M. Kwan
B.Arch.,Ph.D.,RIBA,FHKIA,FRIAS,
Registered Architect, Authorised Person
Simon S.M. Kwan & Associates Ltd.
Date :

REV	DESCRIPTION	DATE
-	1ST SUBMISSION	MAR 2019

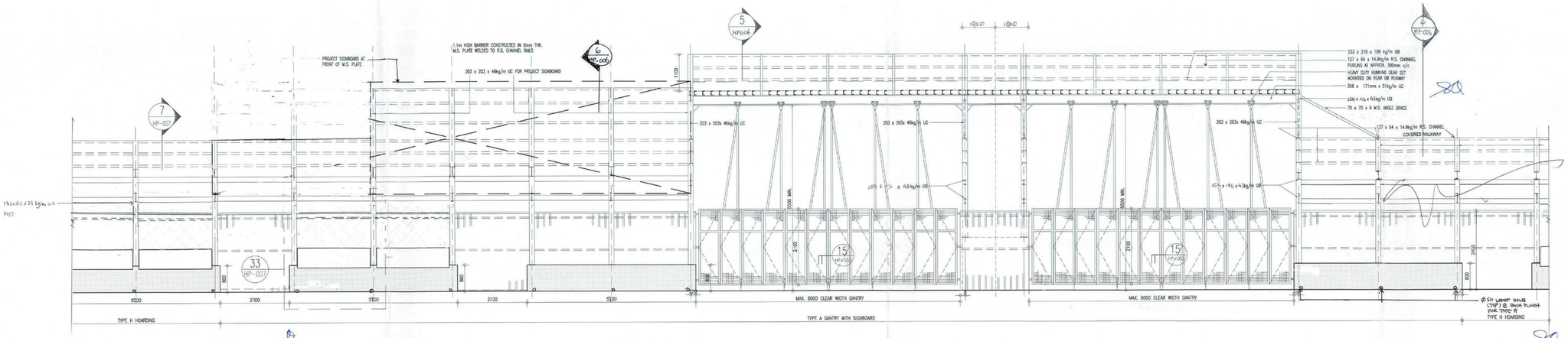
PROJECT

DESIGN, CONSTRUCTION AND OPERATION OF THE KAI TAK SPORTS PARK
CONTRACT NO. HAB/KTSP/01
PROGRAMME NO. 3272RS

SHEET TITLE

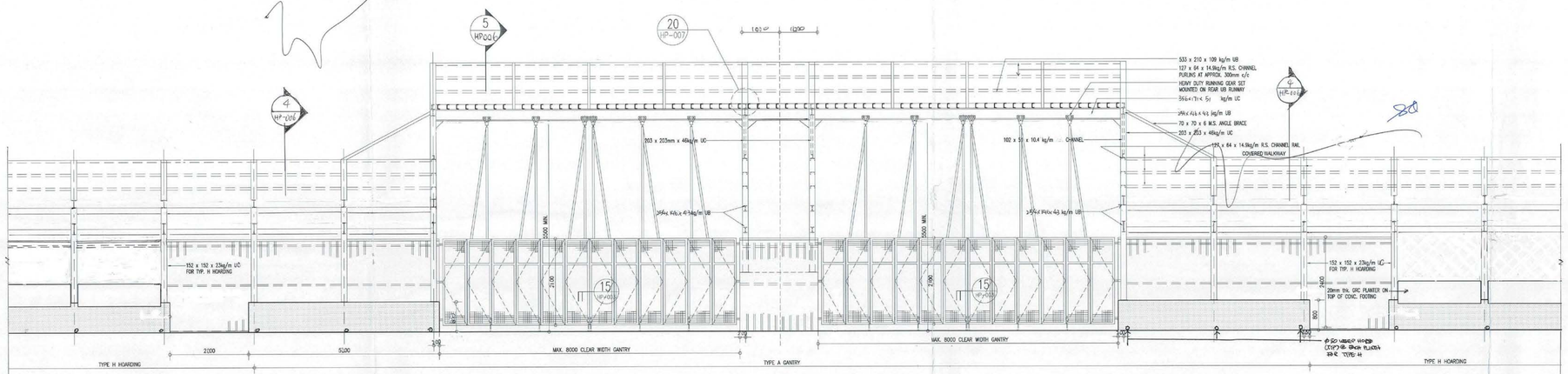
HOARDING PLAN - STAGE 1 (FOR PILING, FOUNDATION & SUPERSTRUCTURE WORKS)

COORDINATED	REVIEWED
SCALE 1:1000	APPROVED
DRAWING NUMBER HP-004	REVISION -



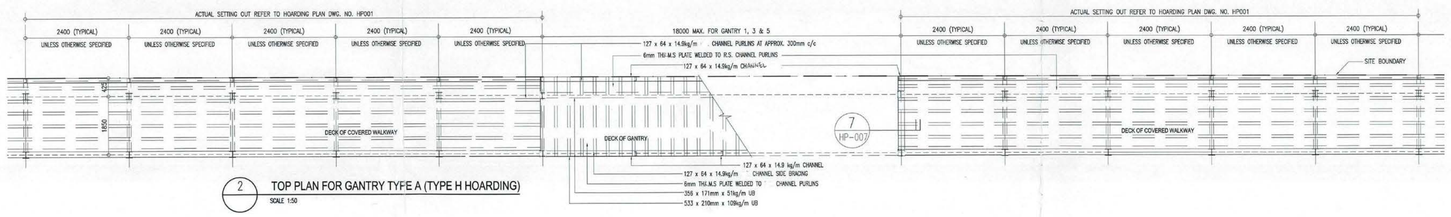
1 8M GANTRY WITH SIGN BOARD ELEVATION (TYPE A)

GANTRY NO. 1



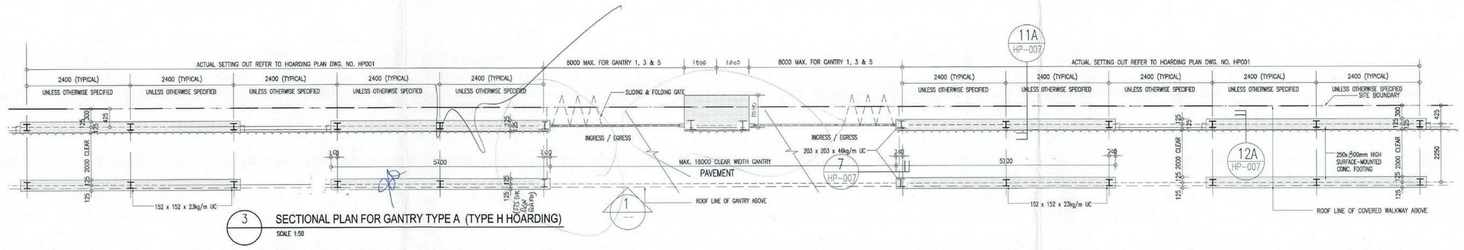
1A 8M GANTRY ELEVATION (TYPE A)

GANTRY NO. 3 & 5



2 TOP PLAN FOR GANTRY TYFE A (TYPE H HOARDING)

SCALE 1:50



3 SECTIONAL PLAN FOR GANTRY TYPE A (TYPE H HOARDING)

SCALE 1:50

FILE REF:

DO NOT SCALE DRAWING. CHECK ALL MEASUREMENT ON SITE.
ALL RIGHTS RESERVED.

REFERENCE MAP

EMPLOYER :

HOME AFFAIRS BUREAU
The Government of Hong Kong
Special Administrative Region

CONTRACTED PARTY

KAI TAK SPORTS PARK LIMITED

FIRST TIER SUB-CONTRACTOR - DESIGN AND BUILD :

協興工程有限公司
HIP HING ENGINEERING CO LTD
新創建集團成員 Member of NWS Holdings

FIRST TIER SUB-CONTRACTOR - OPERATE :

SMG

LEAD CONSULTANT (DESIGN STAGE) / ARCHITECTURAL DESIGNER :

POPULOUS

LEAD CONSULTANT (CONSTRUCTION STAGE) / ARCHITECTURAL DESIGNER / AUTHORIZED PERSON :

SKA LTD

ENGINEERING DESIGNER :

ARUP

LANDSCAPE DESIGNER / REGISTERED LANDSCAPE ARCHITECT :

ADI

TURF EXPERT :

STRI

SPORTS DEVELOPMENT / COMMERCIAL SALES CONSULTANT :

Lagardère SPORTS

AP / DDA CONSENT

( ) Consent is given without conditions
( ) Consent is given with conditions
( ) Consent is not granted

For and on behalf of Supervising Officer

Nicholas Li

Dr. Nicholas Lai BORI TS(2)
Date : 15/5/2019

CONTRACTED PARTY :

10/4/2019

Simon Lee Date :
(Name) Manager (Design Management)
Kai Tak Sports Park Ltd.

ARCHITECTURAL DESIGN CHECKER :

10 APR 2019

Joel C.S. Chan Date :
Registered Architect, Authorized Person
P&T Architects and Engineers Limited

ARCHITECTURAL DESIGNER :

04 APR 2019

Simon S.M. Kwan Date :
B.Arch.,PR.ID.,RIBA,FHKIA,FRAIA,
Registered Architect, Authorized Person
Simon Kwan & Associates Ltd.

REV	DESCRIPTION	DATE
-	1ST SUBMISSION	MAR 2019

PROJECT

DESIGN, CONSTRUCTION AND OPERATION OF THE KAI TAK SPORTS PARK
CONTRACT NO. HAB/KTSP/01
PROGRAMME NO. 3272RS

SHEET TITLE

GANTRY TYPE A:
TYPE H1 COVERED WALKWAY WITH DOUBLE DECK CATCH PLATFORM -
PLAN, ELEVATION & SECTION

COORDINATED	REVIEWED
SCALE AS SHOWN	APPROVED
DRAWING NUMBER HP-005	REVISION -

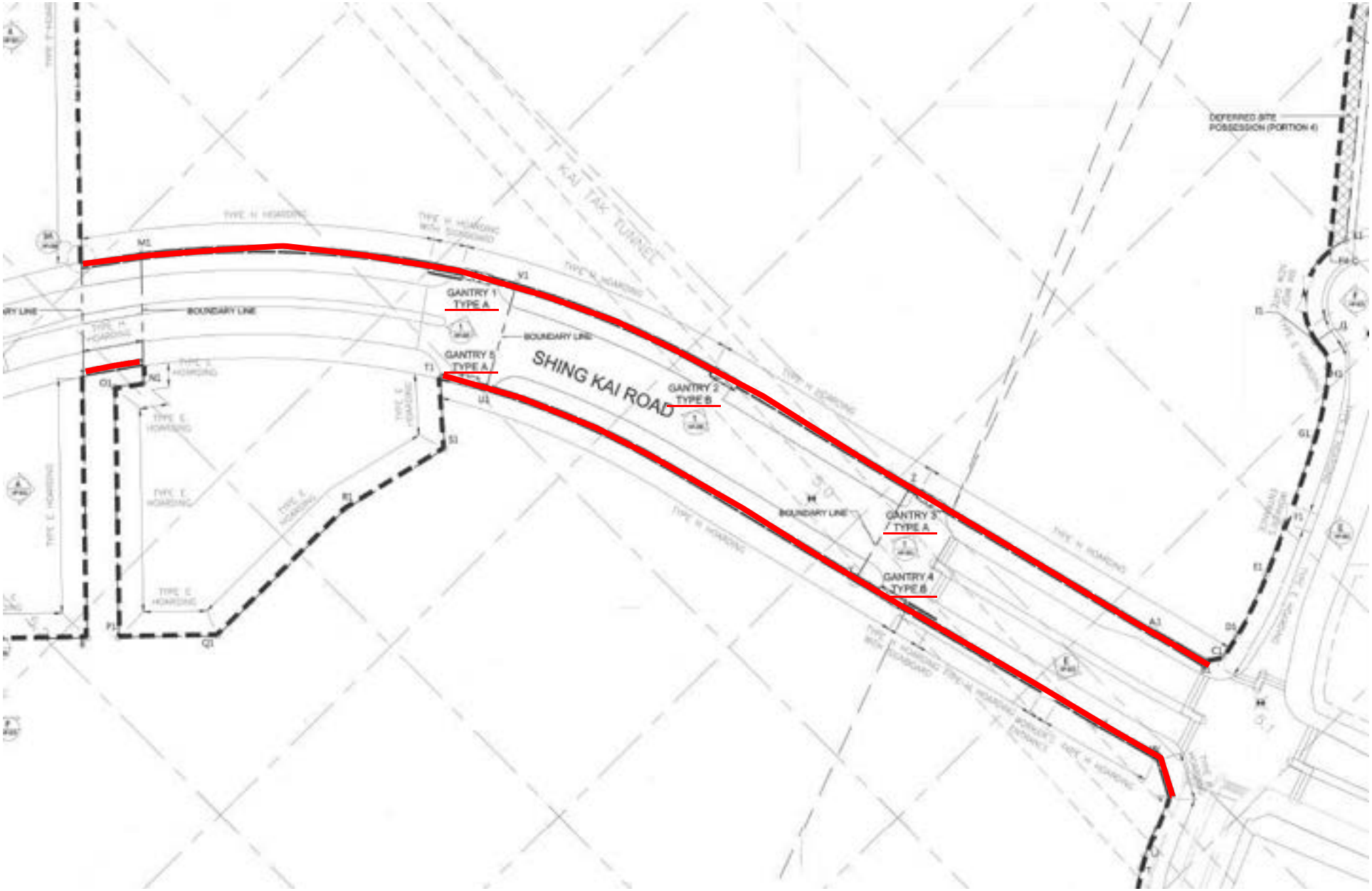
Scale9

KAI TAK SPORTS PARK

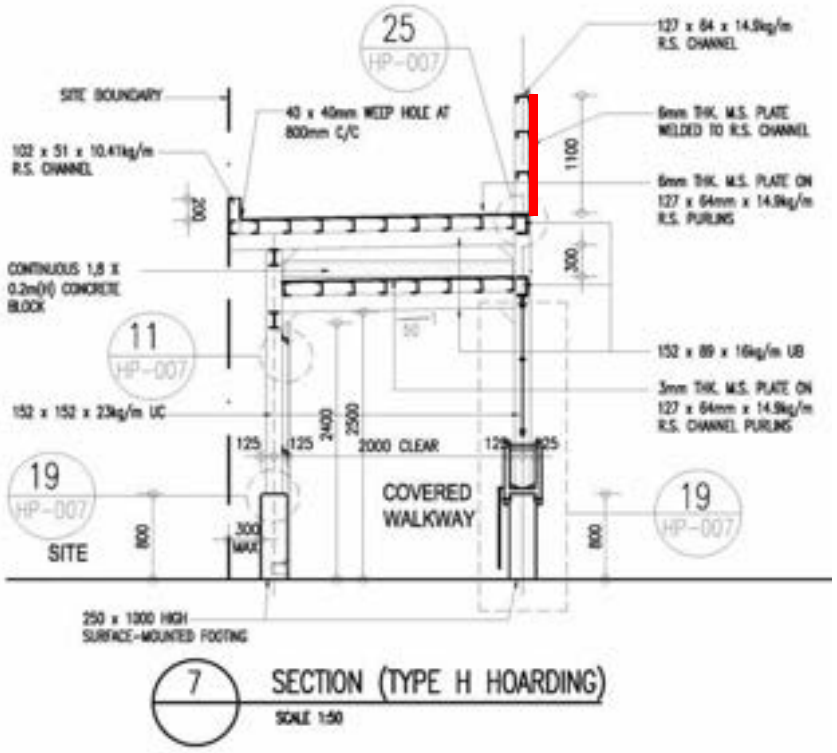
Hoarding Graphics

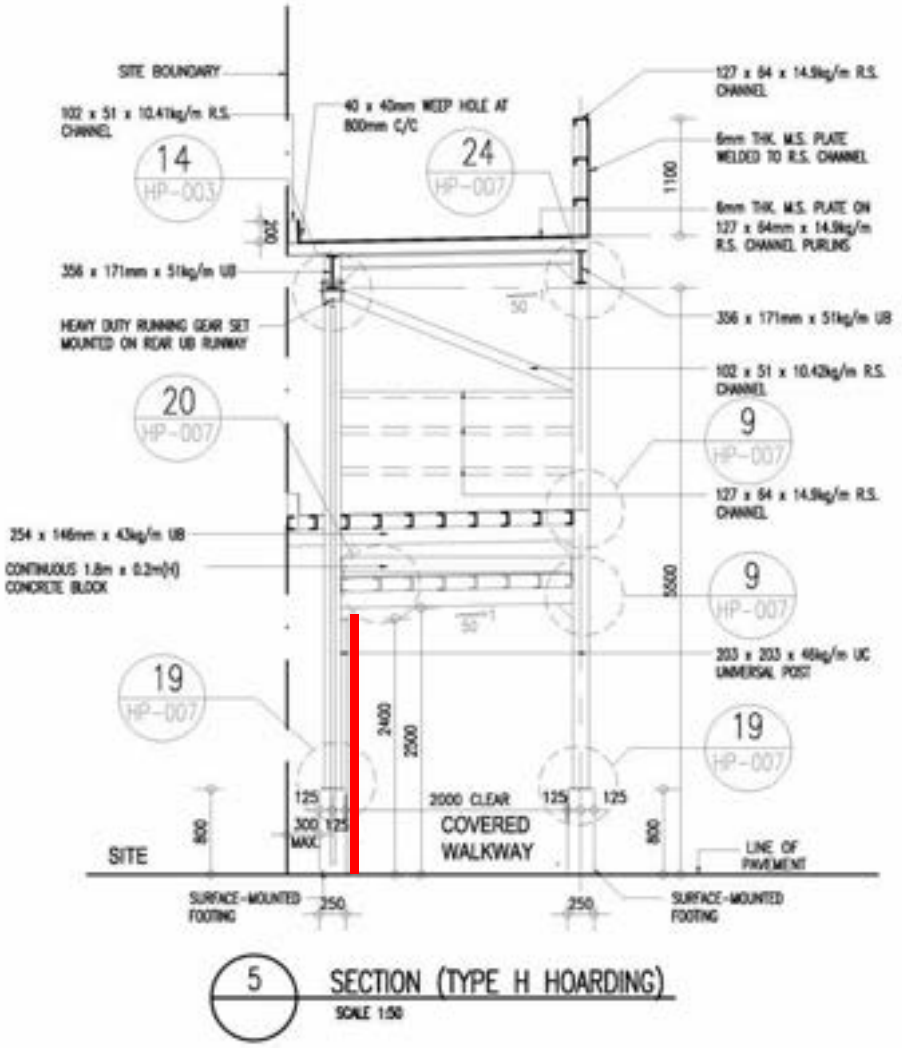
12 July 2019 (rev)

“Type H” Hoarding extent

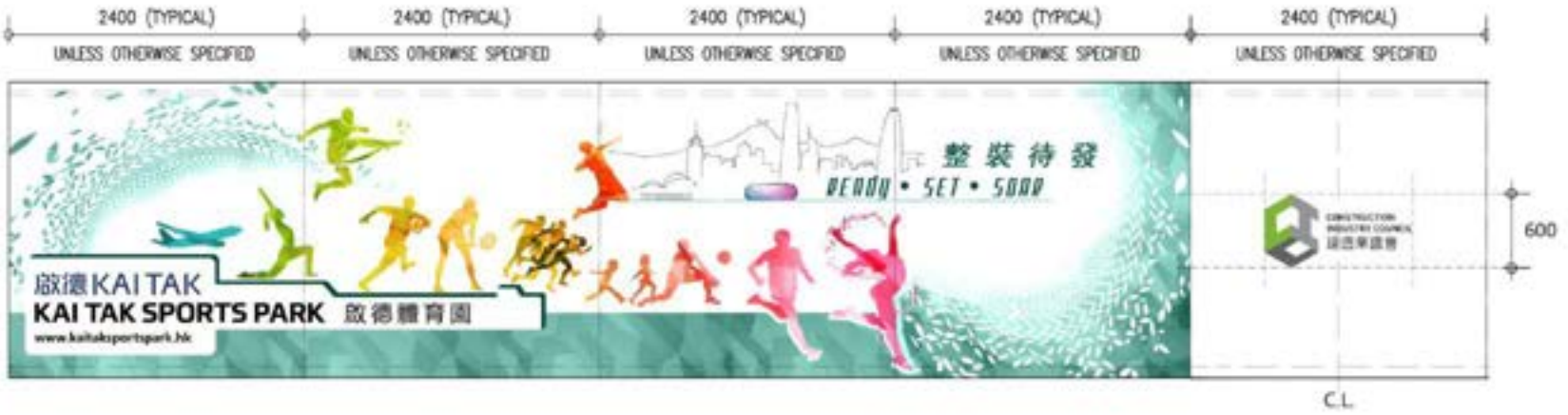


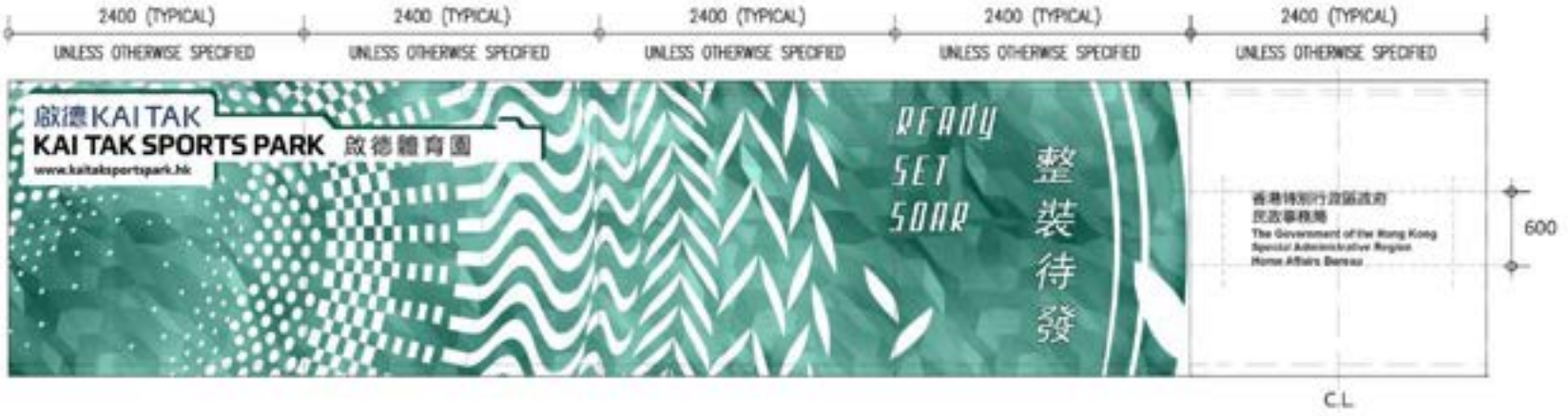
Graphic location at “Type H” Hoarding





Proposed Hoarding Graphic – Inside covered walkway





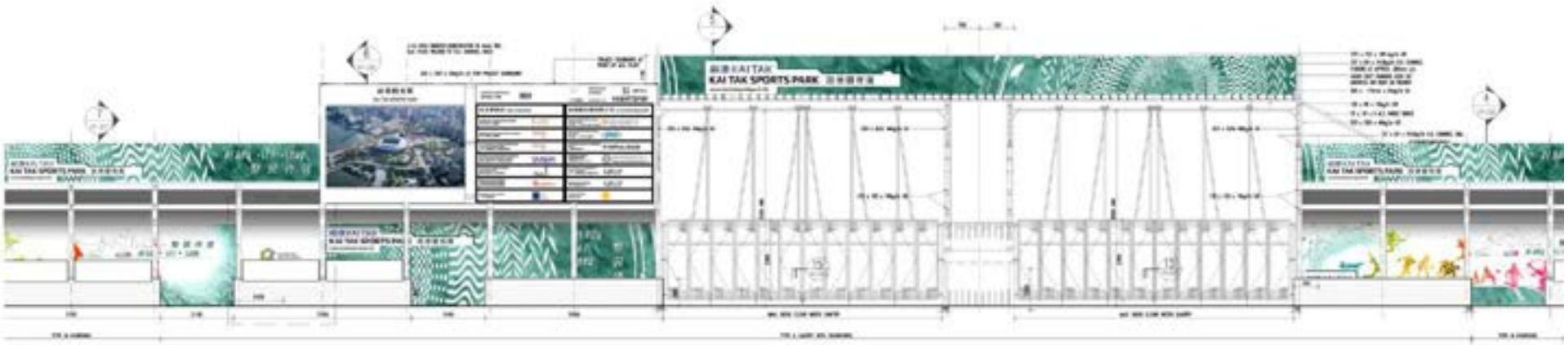
Proposed Hoarding Graphic – Upper portion of hoarding

Typical banner

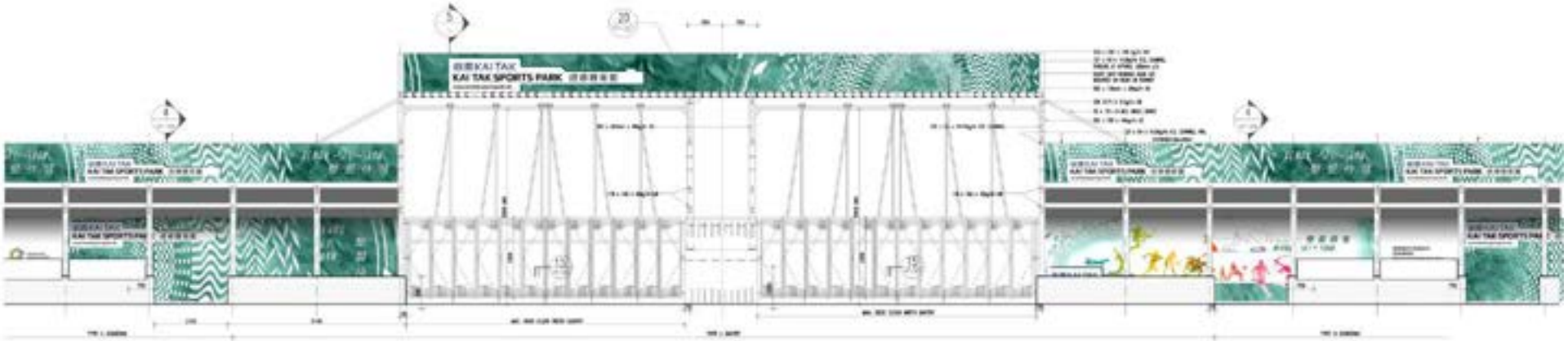
Above gantry 'Type A'

Above gantry 'Type B'

"Type H" Hoarding with 'Type A' Gantry

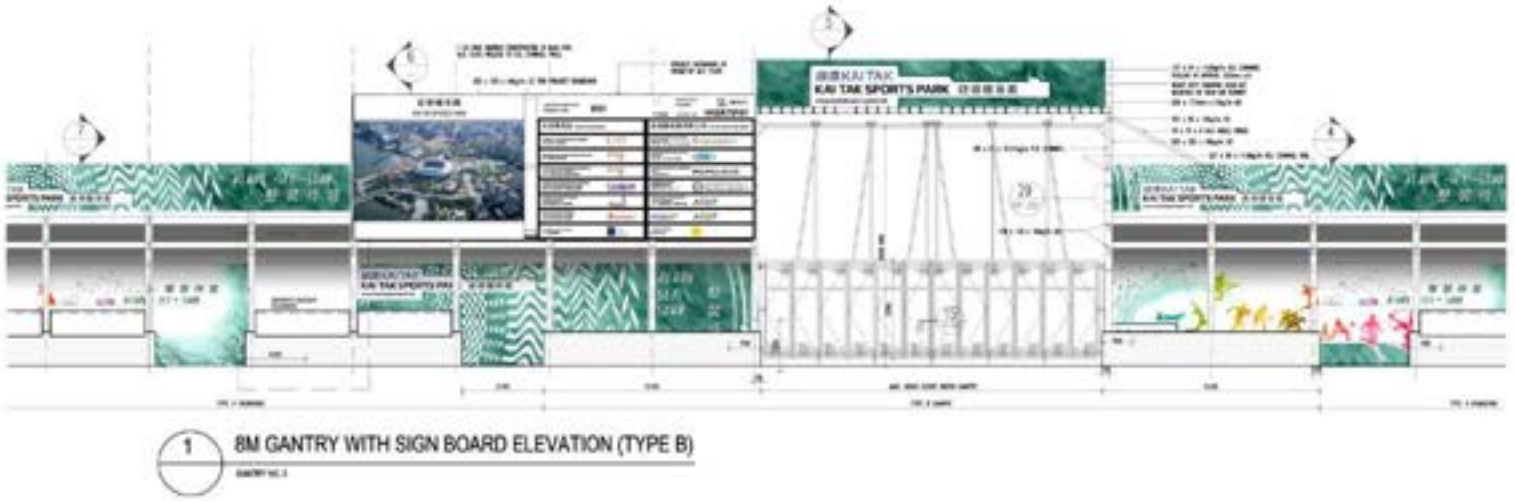


1 8M GANTRY WITH SIGN BOARD ELEVATION (TYPE A)

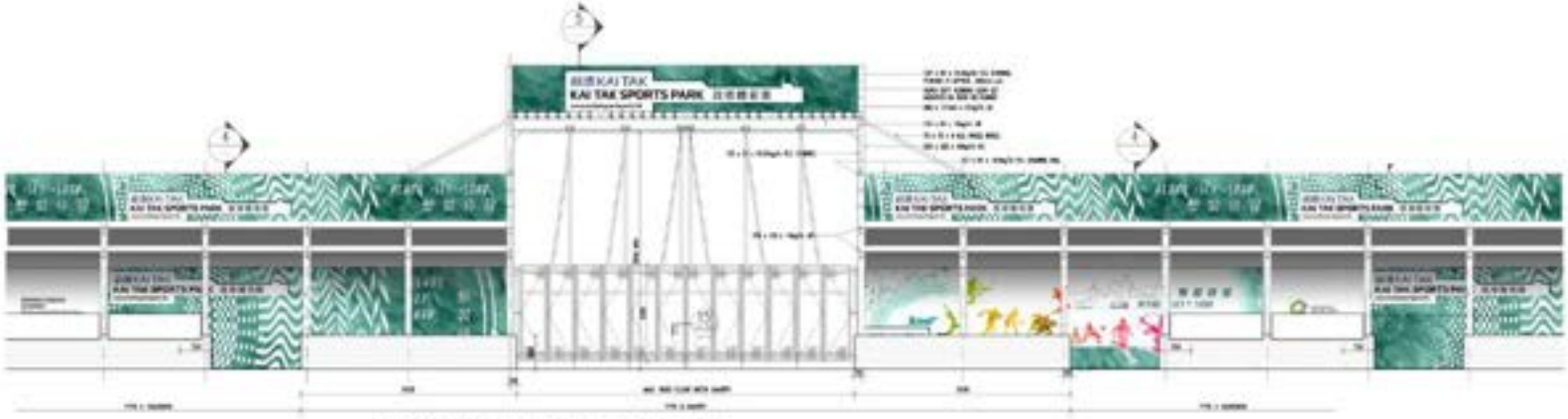


1A 8M GANTRY ELEVATION (TYPE A)

“Type H” Hoarding with ‘Type B’ Gantry



1 8M GANTRY WITH SIGN BOARD ELEVATION (TYPE B)



1A 8M GANTRY ELEVATION (TYPE B)

Appendix B

Tree Preservation and Removal Proposal

ID NO.	Landscape / Visual Mitigation Measure
OM3	Compensatory Tree Planting

Appendix III - Tree Assessment Schedule (Tree Survey Conducted on Mar - April 2016)

Tree #	Photo #	Botanical Name	Chinese Name	Trunk Diameter at Breast Height (mm)	Overall Height (m)	Overall Crown Spread (m)	Amenity Value (Good/Fair/ Poor)	Form (Good/ Fair/ Poor)	Health (Good/ Fair/ Poor)	Structural Condition (Good/ Fair/ Poor)	Suitability for transplanting (High/ Medium/ Low)	Remarks	Conservation Status (Normal/ Rare/ Endanger/ OVT/ Tree Register)	Any Structural Defects or Health Problem	Remarks for Suitability for transplanting	Recommendation (retain/ transplant/fell)
T2	T2	*Macaranga tanarius var. tomentosa*	血桐	105	2	5	Poor	Poor	Fair	Poor	Low	Trunk leaning severely	Normal	Trunk leaning severely	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree	Fell
T3	T3	*Bombax ceiba*	木棉	180	8	4	Fair	Poor	Fair	Poor	Low	Branch /trunk conflicted by fence, seasonal defoliation	Normal	No	• The development of the lower branches obstructed by adjacent structure. The wall structure make it difficult to form a complete rootball and reduce the survival rate after transplanting. • Common tree species	Fell
T4	T4	*Trema tomentosa*	山黃麻	130	5	5	Poor	Poor	Fair	Fair	Low	Low branching	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree	Fell
T5	T5	*Erythrina corallodendron*	龍牙花	400	10	7	Poor	Poor	Fair	Fair	Low	Low branching, trunk conflicted by fence, seasonal defoliation	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree	Fell
T6	T6	*Ficus religiosa*	菩提樹	135	6	3	Poor	Poor	Fair	Fair	Low	Multi-trunks, trunk conflicted by fence, seasonal defoliation	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree	Fell
T7	T7	*Schefflera arboricola*	鵝掌藤	145	4	3	Poor	Poor	Fair	Fair	Low	Multi-trunks, shrubby species	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree	Fell
T8	T8	*Ficus subpisocarpa*	筆管榕	100	4	5	Poor	Poor	Fair	Fair	Low	Multi-trunks, low branching	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree	Fell
T9	T9	*Morus alba*	桑	100	7	5	Poor	Poor	Fair	Fair	Low	Multi-trunks, low branching	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree	Fell
T10	T10	*Macaranga tanarius var. tomentosa*	血桐	155	6	6	Poor	Poor	Fair	Fair	Low	Low branching	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree	Fell
T11	T11	*Ficus microcarpa*	榕樹(細葉榕)	125	8	4	Poor	Poor	Fair	Fair	Low	Low branching, leaning	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree	Fell

Key to Justification for tree removal:
Note 1: Poor form / health tree/ poor structure or hazardous tree
Note 2: Affected by the proposed development
Note 3: Undesirable species

Appendix III - Tree Assessment Schedule (Tree Survey Conducted on Mar - April 2016)

Tree #	Photo #	Botanical Name	Chinese Name	Trunk Diameter at Breast Height (mm)	Overall Height (m)	Overall Crown Spread (m)	Amenity Value (Good/Fair/ Poor)	Form (Good/ Fair/ Poor)	Health (Good/ Fair/ Poor)	Structural Condition (Good/ Fair/ Poor)	Suitability for transplanting (High/ Medium/ Low)	Remarks	Conservation Status (Normal/ Rare/ Endanger/ OVT/ Tree Register)	Any Structural Defects or Health Problem	Remarks for Suitability for transplanting	Recommendation (retain/ transplant/fell)
T12	T12	*Ficus subpisocarpa*	筆管榕	140	4	3	Poor	Poor	Fair	Fair	Low	Low branching, leaning	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree	Fell
T13	T13	*Carica papaya*	番木瓜	155	2	2	Poor	Poor	Fair	Fair	Low	Crooked trunk, wound	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree	Fell
T15	T15	*Casuarina equisetifolia*	木麻黃	170	8	6	Poor	Poor	Fair	Fair	Low	Low branching. Poor root condition: the tree is surrounded with many rock boulders and concrete footings of hoarding.	Normal	No	Poor root condition: the tree is surrounded with many rock boulders and concrete footings of hoarding. The compacted soil condition and rock boulder make it difficult to form a complete root ball and lower the survival rate after transplanting.	Fell
T16	T16	*Acacia confusa*	台灣相思	135	8	8	Poor	Poor	Poor	Poor	Low	Collapsed tree	Normal	Collapsed tree	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree	Fell
T18	T18	*Casuarina equisetifolia*	木麻黃	155	8	5	Fair	Fair	Fair	Fair	Medium	Low branching	Normal	No		Transplant
T19	T19	*Casuarina equisetifolia*	木麻黃	200	9	6	Fair	Fair	Fair	Fair	Medium	Low branching	Normal	No		Transplant
T20	T20	*Casuarina equisetifolia*	木麻黃	105	9	3	Poor	Fair	Poor	Fair	Low	Poor health with sparse foliage Low branching	Normal	No	Poor health with sparse foliage lower the amenity and suitability for transplanting	Fell
T21	T21	*Casuarina equisetifolia*	木麻黃	135	10	4	Fair	Fair	Fair	Fair	Medium	Low branching	Normal	No		Transplant
T22	T22	*Casuarina equisetifolia*	木麻黃	200	10	5	Fair	Fair	Fair	Fair	Medium	Low branching	Normal	No		Transplant
T23	T23	*Casuarina equisetifolia*	木麻黃	170	10	8	Fair	Fair	Fair	Fair	Medium	Low branching	Normal	No		Transplant
T24	T24	*Casuarina equisetifolia*	木麻黃	205	11	7	Fair	Fair	Fair	Fair	Medium	Low branching	Normal	No		Transplant

Key to Justification for tree removal:
Note 1: Poor form / health tree/ poor structure or hazardous tree
Note 2: Affected by the proposed development
Note 3: Undesirable species

Appendix III - Tree Assessment Schedule (Tree Survey Conducted on Mar - April 2016)

Tree #	Photo #	Botanical Name	Chinese Name	Trunk Diameter at Breast Height (mm)	Overall Height (m)	Overall Crown Spread (m)	Amenity Value (Good/Fair/ Poor)	Form (Good/ Fair/ Poor)	Health (Good/ Fair/ Poor)	Structural Condition (Good/ Fair/ Poor)	Suitability for transplanting (High/ Medium/ Low)	Remarks	Conservation Status (Normal/ Rare/ Endanger/ OVT/ Tree Register)	Any Structural Defects or Health Problem	Remarks for Suitability for transplanting	Recommendation (retain/ transplant/fell)
T25	T25	*Macaranga tanarius var. tomentosa*	血桐	115	3	3	Poor	Poor	Fair	Fair	Low	Leaning, low branching	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree	Fell
T26	T26	*Bombax ceiba*	木棉	100	3	3	Poor	Poor	Poor	Poor	Low	Seasonal defoliation	Normal	No	• The development of the central main leader is weak and in poor amenity value. • Poor health condition which lower the survival rate after transplanting.	Fell
T27	T27	*Macaranga tanarius var. tomentosa*	血桐	120	3	4	Poor	Poor	Fair	Fair	Low	Leaning, low branching	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree	Fell
T28	T28	*Leucaena leucocephala*	銀合歡	95	5	4	Poor	Fair	Fair	Fair	Low	Trunk conflicted with hoarding, weedy species	Normal	No	• Poor amenity value • Undesirable species	Fell
T29	T29	*Leucaena leucocephala*	銀合歡	95	5	4	Poor	Fair	Fair	Fair	Low	Weedy species	Normal	No	• Poor amenity value • Undesirable species	Fell
T30	T30	*Leucaena leucocephala*	銀合歡	105	7	5	Poor	Poor	Fair	Poor	Low	Co-dominant trunks, weedy species	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T31	T31	*Leucaena leucocephala*	銀合歡	115	8	4	Poor	Fair	Fair	Fair	Low	Weedy species	Normal	No	• Poor amenity value • Undesirable species	Fell
T32	T32	*Leucaena leucocephala*	銀合歡	170	8	4	Poor	Poor	Fair	Poor	Low	Multi-trunks, weedy species	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T33	T33	*Leucaena leucocephala*	銀合歡	255	8	6	Poor	Poor	Fair	Poor	Low	Uprooted, weedy species	Normal	Uprooted	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T34	T34	*Leucaena leucocephala*	銀合歡	105	8	2	Poor	Poor	Fair	Poor	Low	Co-dominant trunks, weedy species	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell

Key to Justification for tree removal:
Note 1: Poor form / health tree/ poor structure or hazardous tree
Note 2: Affected by the proposed development
Note 3: Undesirable species

Tree #	Photo #	Botanical Name	Chinese Name	Trunk Diameter at Breast Height (mm)	Overall Height (m)	Overall Crown Spread (m)	Amenity Value (Good/Fair/ Poor)	Form (Good/ Fair/ Poor)	Health (Good/ Fair/ Poor)	Structural Condition (Good/ Fair/ Poor)	Suitability for transplanting (High/ Medium/ Low)	Remarks	Conservation Status (Normal/ Rare/ Endanger/ OVT/ Tree Register)	Any Structural Defects or Health Problem	Remarks for Suitability for transplanting	Recommendation (retain/ transplant/fell)
T35	T35	*Leucaena leucocephala*	銀合歡	115	8	2	Poor	Poor	Fair	Poor	Low	Multi-trunks, weedy species	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T36	T36	*Leucaena leucocephala*	銀合歡	100	9	3	Poor	Poor	Fair	Poor	Low	Multi-trunks, weedy species	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T37	T37	*Leucaena leucocephala*	銀合歡	140	9	4	Poor	Poor	Fair	Poor	Low	Multi-trunks, weedy species	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T38	T38	*Leucaena leucocephala*	銀合歡	160	9	4	Poor	Poor	Fair	Poor	Low	Multi-trunks, weedy species	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T39	T39	*Leucaena leucocephala*	銀合歡	115	9	3	Poor	Poor	Fair	Poor	Low	Multi-trunks, weedy species	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T40	T40	*Leucaena leucocephala*	銀合歡	95	9	2	Poor	Fair	Fair	Fair	Low	Weedy species	Normal	No	• Poor amenity value • Undesirable species	Fell
T41	T41	*Leucaena leucocephala*	銀合歡	115	8	3	Poor	Fair	Fair	Fair	Low	Weedy species	Normal	No	• Poor amenity value • Undesirable species	Fell
T42	T42	*Leucaena leucocephala*	銀合歡	105	1	3	Poor	Poor	Fair	Poor	Low	Collapsed tree, weedy species	Normal	Collapsed tree	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T43	T43	*Leucaena leucocephala*	銀合歡	95	8	3	Poor	Fair	Fair	Fair	Low	Weedy species	Normal	No	• Poor amenity value	Fell
T44	T44	*Leucaena leucocephala*	銀合歡	110	8	3	Poor	Poor	Fair	Poor	Low	Co-dominant trunks, weedy species	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T45	T45	*Leucaena leucocephala*	銀合歡	95	9	2	Poor	Fair	Fair	Fair	Low	Weedy species	Normal	No	• Poor amenity value • Undesirable species	Fell
T46	T46	*Leucaena leucocephala*	銀合歡	105	9	2	Poor	Fair	Fair	Fair	Low	Weedy species	Normal	No	• Poor amenity value • Undesirable species	Fell

Key to Justification for tree removal:
Note 1: Poor form / health tree/ poor structure or hazardous tree
Note 2: Affected by the proposed development
Note 3: Undesirable species

Appendix III - Tree Assessment Schedule (Tree Survey Conducted on Mar - April 2016)

Tree #	Photo #	Botanical Name	Chinese Name	Trunk Diameter at Breast Height (mm)	Overall Height (m)	Overall Crown Spread (m)	Amenity Value (Good/Fair/ Poor)	Form (Good/ Fair/ Poor)	Health (Good/ Fair/ Poor)	Structural Condition (Good/ Fair/ Poor)	Suitability for transplanting (High/ Medium/ Low)	Remarks	Conservation Status (Normal/ Rare/ Endanger/ OVT/ Tree Register)	Any Structural Defects or Health Problem	Remarks for Suitability for transplanting	Recommendation (retain/ transplant/fell)
T47	T47	*Leucaena leucocephala*	銀合歡	95	7	3	Poor	Fair	Fair	Fair	Low	Weedy species	Normal	No	• Poor amenity value • Undesirable species	Fell
T48	T48	*Leucaena leucocephala*	銀合歡	115	7	4	Poor	Poor	Fair	Poor	Low	Co-dominant trunks, weedy species	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T49	T49	*Leucaena leucocephala*	銀合歡	95	6	4	Poor	Poor	Fair	Poor	Low	Leaning severely, weedy species	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T50	T50	*Leucaena leucocephala*	銀合歡	170	9	5	Poor	Poor	Fair	Poor	Low	Multi-trunks, weedy species	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T51	T51	*Leucaena leucocephala*	銀合歡	190	9	5	Poor	Poor	Fair	Poor	Low	Multi-trunks, weedy species	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T52	T52	*Leucaena leucocephala*	銀合歡	130	6	5	Poor	Poor	Fair	Poor	Low	Multi-trunks, weedy species	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T53	T53	*Leucaena leucocephala*	銀合歡	135	6	4	Poor	Poor	Fair	Poor	Low	Leaning, weedy species	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T54	T54	*Leucaena leucocephala*	銀合歡	125	8	5	Poor	Poor	Fair	Poor	Low	Leaning, weedy species	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T55	T55	*Leucaena leucocephala*	銀合歡	125	8	7	Poor	Fair	Fair	Fair	Low	Weedy species	Normal	No	• Poor amenity value • Undesirable species	Fell
T56	T56	*Leucaena leucocephala*	銀合歡	150	8	4	Poor	Poor	Fair	Poor	Low	Leaning, weedy species	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T57	T57	*Leucaena leucocephala*	銀合歡	95	7	4	Poor	Fair	Fair	Fair	Low	Weedy species	Normal	No	• Poor amenity value • Undesirable species	Fell
T58	T58	*Leucaena leucocephala*	銀合歡	130	7	4	Poor	Fair	Fair	Fair	Low	Weedy species	Normal	No	• Poor amenity value • Undesirable species	Fell

Key to Justification for tree removal:
Note 1: Poor form / health tree/ poor structure or hazardous tree
Note 2: Affected by the proposed development
Note 3: Undesirable species

Appendix III - Tree Assessment Schedule (Tree Survey Conducted on Mar - April 2016)

Tree #	Photo #	Botanical Name	Chinese Name	Trunk Diameter at Breast Height (mm)	Overall Height (m)	Overall Crown Spread (m)	Amenity Value (Good/Fair/ Poor)	Form (Good/ Fair/ Poor)	Health (Good/ Fair/ Poor)	Structural Condition (Good/ Fair/ Poor)	Suitability for transplanting (High/ Medium/ Low)	Remarks	Conservation Status (Normal/ Rare/ Endanger/ OVT/ Tree Register)	Any Structural Defects or Health Problem	Remarks for Suitability for transplanting	Recommendation (retain/ transplant/fell)
T59	T59	*Leucaena leucocephala*	銀合歡	185	8	6	Poor	Poor	Fair	Poor	Low	Forked, weedy species	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T60	T60	*Leucaena leucocephala*	銀合歡	130	7	4	Poor	Fair	Fair	Fair	Low	Weedy species	Normal	No	• Poor amenity value • Undesirable species	Fell
T61	T61	*Leucaena leucocephala*	銀合歡	130	10	4	Poor	Poor	Fair	Poor	Low	Forked, weedy species	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T62	T62	*Leucaena leucocephala*	銀合歡	110	11	2	Poor	Fair	Fair	Fair	Low	Weedy species	Normal	No	• Poor amenity value • Undesirable species	Fell
T63	T63	*Leucaena leucocephala*	銀合歡	135	10	2	Poor	Poor	Fair	Poor	Low	Forked, weedy species	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T64	T64	*Leucaena leucocephala*	銀合歡	140	11	4	Poor	Poor	Fair	Poor	Low	Multi-trunks, weedy species	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T65	T65	*Leucaena leucocephala*	銀合歡	125	11	3	Poor	Fair	Fair	Fair	Low	Weedy species	Normal	No	• Poor amenity value • Undesirable species	Fell
T66	T66	*Leucaena leucocephala*	銀合歡	110	8	4	Poor	Poor	Fair	Poor	Low	Forked, weedy species	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T67	T67	*Leucaena leucocephala*	銀合歡	165	9	4	Poor	Poor	Fair	Fair	Low	Leaning, weedy species	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T68	T68	*Leucaena leucocephala*	銀合歡	100	9	3	Poor	Poor	Fair	Poor	Low	Forked, weedy species	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell

Key to Justification for tree removal:
Note 1: Poor form / health tree/ poor structure or hazardous tree
Note 2: Affected by the proposed development
Note 3: Undesirable species

Appendix III - Tree Assessment Schedule (Tree Survey Conducted on Mar - April 2016)

Tree #	Photo #	Botanical Name	Chinese Name	Trunk Diameter at Breast Height (mm)	Overall Height (m)	Overall Crown Spread (m)	Amenity Value (Good/Fair/ Poor)	Form (Good/ Fair/ Poor)	Health (Good/ Fair/ Poor)	Structural Condition (Good/ Fair/ Poor)	Suitability for transplanting (High/ Medium/ Low)	Remarks	Conservation Status (Normal/ Rare/ Endanger/ OVT/ Tree Register)	Any Structural Defects or Health Problem	Remarks for Suitability for transplanting	Recommendation (retain/ transplant/fell)
T69	T69	*Leucaena leucocephala*	銀合歡	95	10	4	Poor	Fair	Fair	Fair	Low	Weedy species	Normal	No	• Poor amenity value • Undesirable species	Fell
T70	T70	*Leucaena leucocephala*	銀合歡	115	6	5	Poor	Poor	Fair	Poor	Low	Uprooted, weedy species	Normal	Uprooted	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T71	T71	*Leucaena leucocephala*	銀合歡	140	11	4	Poor	Poor	Fair	Poor	Low	Uprooted, multi-trunks, weedy species	Normal	Uprooted	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T72	T72	*Leucaena leucocephala*	銀合歡	125	11	4	Poor	Poor	Fair	Fair	Low	Low branching, weedy species	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T73	T73	*Leucaena leucocephala*	銀合歡	155	11	4	Poor	Poor	Fair	Poor	Low	Uprooted, weedy species	Normal	Uprooted	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T74	T74	*Leucaena leucocephala*	銀合歡	95	11	2	Poor	Poor	Fair	Fair	Low	Leaning, weedy species	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T75	T75	*Leucaena leucocephala*	銀合歡	110	8	3	Poor	Poor	Fair	Fair	Low	Leaning, weedy species	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T76	T76	*Leucaena leucocephala*	銀合歡	150	8	2	Poor	Poor	Fair	Poor	Low	Multi-trunks, weedy species	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T77	T77	*Leucaena leucocephala*	銀合歡	95	8	4	Poor	Poor	Fair	Fair	Low	Leaning, weedy species	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell

Key to Justification for tree removal:
Note 1: Poor form / health tree/ poor structure or hazardous tree
Note 2: Affected by the proposed development
Note 3: Undesirable species

Appendix III - Tree Assessment Schedule (Tree Survey Conducted on Mar - April 2016)

Tree #	Photo #	Botanical Name	Chinese Name	Trunk Diameter at Breast Height (mm)	Overall Height (m)	Overall Crown Spread (m)	Amenity Value (Good/Fair/ Poor)	Form (Good/ Fair/ Poor)	Health (Good/ Fair/ Poor)	Structural Condition (Good/ Fair/ Poor)	Suitability for transplanting (High/ Medium/ Low)	Remarks	Conservation Status (Normal/ Rare/ Endanger/ OVT/ Tree Register)	Any Structural Defects or Health Problem	Remarks for Suitability for transplanting	Recommendation (retain/ transplant/fell)
T78	T78	*Leucaena leucocephala*	銀合歡	125	1	3	Poor	Poor	Fair	Fair	Low	Leaning, low branching, weedy species	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T79	T79	*Leucaena leucocephala*	銀合歡	110	8	5	Poor	Poor	Fair	Poor	Low	Collapsed tree, weedy species	Normal	Collapsed tree	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T80	T80	*Leucaena leucocephala*	銀合歡	150	9	4	Poor	Poor	Fair	Poor	Low	Co-dominant trunks, weedy species	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T81	T81	*Leucaena leucocephala*	銀合歡	275	10	7	Poor	Poor	Fair	Poor	Low	Collapsed tree, weedy species	Normal	Collapsed tree	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T82	T82	*Leucaena leucocephala*	銀合歡	170	13	6	Poor	Poor	Fair	Poor	Low	Multi-trunks, weedy species	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T83	T83	*Leucaena leucocephala*	銀合歡	100	11	4	Poor	Poor	Fair	Fair	Low	Leaning, weedy species	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T84	T84	*Leucaena leucocephala*	銀合歡	140	11	3	Poor	Fair	Fair	Fair	Low	Weedy species	Normal	No	• Poor amenity value • Undesirable species	Fell
T85	T85	*Leucaena leucocephala*	銀合歡	100	10	3	Poor	Fair	Fair	Fair	Low	Weedy species	Normal	No	• Poor amenity value • Undesirable species	Fell
T86	T86	*Leucaena leucocephala*	銀合歡	95	9	3	Poor	Poor	Fair	Fair	Low	Leaning, weedy species	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell

Key to Justification for tree removal:
Note 1: Poor form / health tree/ poor structure or hazardous tree
Note 2: Affected by the proposed development
Note 3: Undesirable species

Appendix III - Tree Assessment Schedule (Tree Survey Conducted on Mar - April 2016)

Tree #	Photo #	Botanical Name	Chinese Name	Trunk Diameter at Breast Height (mm)	Overall Height (m)	Overall Crown Spread (m)	Amenity Value (Good/Fair/ Poor)	Form (Good/ Fair/ Poor)	Health (Good/ Fair/ Poor)	Structural Condition (Good/ Fair/ Poor)	Suitability for transplanting (High/ Medium/ Low)	Remarks	Conservation Status (Normal/ Rare/ Endanger/ OVT/ Tree Register)	Any Structural Defects or Health Problem	Remarks for Suitability for transplanting	Recommendation (retain/ transplant/fell)
T87	T87	*Leucaena leucocephala*	銀合歡	110	10	4	Poor	Poor	Fair	Poor	Low	Forked, weedy species	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T88	T88	*Leucaena leucocephala*	銀合歡	145	10	4	Poor	Poor	Fair	Poor	Low	Multi-trunks, weedy species	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T89	T89	*Leucaena leucocephala*	銀合歡	105	10	2	Poor	Poor	Fair	Poor	Low	Multi-trunks, weedy species	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T90	T90	*Leucaena leucocephala*	銀合歡	115	7	2	Poor	Poor	Fair	Poor	Low	Co-dominant trunks, weedy species	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T91	T91	*Leucaena leucocephala*	銀合歡	110	9	4	Poor	Poor	Fair	Poor	Low	Forked, weedy species	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T92	T92	*Leucaena leucocephala*	銀合歡	140	6	4	Poor	Poor	Fair	Poor	Low	Collapsed tree, weedy species	Normal	Collapsed tree	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T93	T93	*Leucaena leucocephala*	銀合歡	140	6	8	Poor	Poor	Fair	Poor	Low	Collapsed tree, weedy species	Normal	Collapsed tree	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T94	T94	*Leucaena leucocephala*	銀合歡	115	9	4	Poor	Poor	Fair	Poor	Low	Multi-trunks, weedy species	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T95	T95	*Morus alba*	桑	165	4	6	Poor	Poor	Fair	Fair	Low	Multi-trunks, low branching	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree	Fell

Key to Justification for tree removal:
Note 1: Poor form / health tree/ poor structure or hazardous tree
Note 2: Affected by the proposed development
Note 3: Undesirable species

Appendix III - Tree Assessment Schedule (Tree Survey Conducted on Mar - April 2016)

Tree #	Photo #	Botanical Name	Chinese Name	Trunk Diameter at Breast Height (mm)	Overall Height (m)	Overall Crown Spread (m)	Amenity Value (Good/Fair/ Poor)	Form (Good/ Fair/ Poor)	Health (Good/ Fair/ Poor)	Structural Condition (Good/ Fair/ Poor)	Suitability for transplanting (High/ Medium/ Low)	Remarks	Conservation Status (Normal/ Rare/ Endanger/ OVT/ Tree Register)	Any Structural Defects or Health Problem	Remarks for Suitability for transplanting	Recommendation (retain/ transplant/fell)
T96	T96	*Leucaena leucocephala*	銀合歡	120	9	3	Poor	Poor	Fair	Poor	Low	Forked, weedy species	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T97	T97	*Leucaena leucocephala*	銀合歡	130	9	4	Poor	Poor	Fair	Poor	Low	Forked, weedy species	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T98	T98	*Leucaena leucocephala*	銀合歡	130	8	3	Poor	Poor	Fair	Poor	Low	Multi-trunks, weedy species	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T99	T99	*Leucaena leucocephala*	銀合歡	150	6	7	Poor	Poor	Fair	Poor	Low	Multi-trunks, weedy species	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T100	T100	*Leucaena leucocephala*	銀合歡	100	7	4	Poor	Poor	Fair	Poor	Low	Co-dominant trunks, weedy species	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T101	T101	*Leucaena leucocephala*	銀合歡	150	7	5	Poor	Poor	Fair	Fair	Low	Leaning, weedy species	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T102	T102	*Leucaena leucocephala*	銀合歡	155	6	4	Poor	Poor	Fair	Poor	Low	Collapsed tree, weedy species	Normal	Collapsed tree	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T103	T103	*Leucaena leucocephala*	銀合歡	180	7	4	Poor	Poor	Fair	Poor	Low	Forked, weedy species	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T104	T104	*Leucaena leucocephala*	銀合歡	140	6	5	Poor	Poor	Fair	Poor	Low	Collapsed tree, weedy species	Normal	Collapsed tree	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell

Key to Justification for tree removal:
Note 1: Poor form / health tree/ poor structure or hazardous tree
Note 2: Affected by the proposed development
Note 3: Undesirable species

Appendix III - Tree Assessment Schedule (Tree Survey Conducted on Mar - April 2016)

Tree #	Photo #	Botanical Name	Chinese Name	Trunk Diameter at Breast Height (mm)	Overall Height (m)	Overall Crown Spread (m)	Amenity Value (Good/Fair/ Poor)	Form (Good/ Fair/ Poor)	Health (Good/ Fair/ Poor)	Structural Condition (Good/ Fair/ Poor)	Suitability for transplanting (High/ Medium/ Low)	Remarks	Conservation Status (Normal/ Rare/ Endanger/ OVT/ Tree Register)	Any Structural Defects or Health Problem	Remarks for Suitability for transplanting	Recommendation (retain/ transplant/fell)
T105	T105	*Leucaena leucocephala*	銀合歡	195	4	5	Poor	Poor	Fair	Poor	Low	Collapsed tree, weedy species	Normal	Collapsed tree	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T106	T106	*Leucaena leucocephala*	銀合歡	120	9	4	Poor	Fair	Fair	Fair	Low	Weedy species	Normal	No	• Poor amenity value • Undesirable species	Fell
T107	T107	*Leucaena leucocephala*	銀合歡	175	9	5	Poor	Poor	Fair	Fair	Low	Multi-trunks, weedy species	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T108	T108	*Leucaena leucocephala*	銀合歡	120	8	6	Poor	Poor	Fair	Fair	Low	Multi-trunks, weedy species	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T109	T109	*Leucaena leucocephala*	銀合歡	150	2	6	Poor	Poor	Fair	Poor	Low	Collapsed tree, weedy species	Normal	Collapsed tree	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T110	T110	*Leucaena leucocephala*	銀合歡	95	9	3	Poor	Poor	Fair	Poor	Low	Collapsed tree, weedy species	Normal	Collapsed tree	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T111	T111	*Leucaena leucocephala*	銀合歡	140	7	5	Poor	Poor	Fair	Fair	Low	Leaning, weedy species	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T112	T112	*Leucaena leucocephala*	銀合歡	115	7	4	Poor	Poor	Fair	Poor	Low	Uprooted, weedy species	Normal	Uprooted	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T113	T113	*Leucaena leucocephala*	銀合歡	150	7	4	Poor	Poor	Fair	Poor	Low	Uprooted, weedy species	Normal	Uprooted	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell

Key to Justification for tree removal:
Note 1: Poor form / health tree/ poor structure or hazardous tree
Note 2: Affected by the proposed development
Note 3: Undesirable species

Appendix III - Tree Assessment Schedule (Tree Survey Conducted on Mar - April 2016)

Tree #	Photo #	Botanical Name	Chinese Name	Trunk Diameter at Breast Height (mm)	Overall Height (m)	Overall Crown Spread (m)	Amenity Value (Good/Fair/ Poor)	Form (Good/ Fair/ Poor)	Health (Good/ Fair/ Poor)	Structural Condition (Good/ Fair/ Poor)	Suitability for transplanting (High/ Medium/ Low)	Remarks	Conservation Status (Normal/ Rare/ Endanger/ OVT/ Tree Register)	Any Structural Defects or Health Problem	Remarks for Suitability for transplanting	Recommendation (retain/ transplant/fell)
T114	T114	*Leucaena leucocephala*	銀合歡	110	5	5	Poor	Poor	Fair	Poor	Low	Uprooted, weedy species	Normal	Uprooted	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T115	T115	*Leucaena leucocephala*	銀合歡	140	7	4	Poor	Fair	Fair	Fair	Low	Weedy species	Normal	No	• Poor amenity value • Undesirable species	Fell
T116	T116	*Leucaena leucocephala*	銀合歡	160	8	4	Poor	Fair	Fair	Fair	Low	Weedy species	Normal	No	• Poor amenity value • Undesirable species	Fell
T117	T117	*Leucaena leucocephala*	銀合歡	140	7	5	Poor	Poor	Fair	Fair	Low	Multi-trunks, weedy species	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T118	T118	*Leucaena leucocephala*	銀合歡	185	7	5	Poor	Poor	Fair	Fair	Low	Leaning, multi-trunks, weedy species	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T119	T119	*Leucaena leucocephala*	銀合歡	250	9	6	Poor	Fair	Fair	Fair	Low	Weedy species	Normal	No	• Poor amenity value • Undesirable species	Fell
T120	T120	*Leucaena leucocephala*	銀合歡	145	8	5	Poor	Fair	Fair	Fair	Low	Weedy species	Normal	No	• Poor amenity value • Undesirable species	Fell
T121	T121	*Leucaena leucocephala*	銀合歡	120	6	4	Poor	Fair	Fair	Fair	Low	Weedy species	Normal	No	• Poor amenity value • Undesirable species	Fell
T122	T122	*Leucaena leucocephala*	銀合歡	205	7	6	Poor	Poor	Fair	Poor	Low	Co-dominant trunks, collapsed trunk, weedy species	Normal	Collapsed trunk	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T123	T123	*Leucaena leucocephala*	銀合歡	110	8	4	Poor	Poor	Fair	Fair	Low	Leaning, multi-trunks, weedy species	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T124	T124	*Leucaena leucocephala*	銀合歡	100	5	4	Poor	Poor	Fair	Poor	Low	Uprooted, weedy species	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell

Key to Justification for tree removal:
Note 1: Poor form / health tree/ poor structure or hazardous tree
Note 2: Affected by the proposed development
Note 3: Undesirable species

Appendix III - Tree Assessment Schedule (Tree Survey Conducted on Mar - April 2016)

Tree #	Photo #	Botanical Name	Chinese Name	Trunk Diameter at Breast Height (mm)	Overall Height (m)	Overall Crown Spread (m)	Amenity Value (Good/Fair/ Poor)	Form (Good/ Fair/ Poor)	Health (Good/ Fair/ Poor)	Structural Condition (Good/ Fair/ Poor)	Suitability for transplanting (High/ Medium/ Low)	Remarks	Conservation Status (Normal/ Rare/ Endanger/ OVT/ Tree Register)	Any Structural Defects or Health Problem	Remarks for Suitability for transplanting	Recommendation (retain/ transplant/fell)
T125	T125	*Leucaena leucocephala*	銀合歡	145	9	6	Poor	Poor	Fair	Fair	Low	Leaning, weedy species	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T126	T126	*Leucaena leucocephala*	銀合歡	195	7	4	Poor	Poor	Fair	Fair	Low	Low branching, weedy species	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T127	T127	*Leucaena leucocephala*	銀合歡	95	7	3	Poor	Poor	Fair	Fair	Low	Leaning, weedy species	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T128	T128	*Leucaena leucocephala*	銀合歡	95	6	3	Poor	Poor	Fair	Fair	Low	Leaning, weedy species	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T129	T129	*Leucaena leucocephala*	銀合歡	110	5	4	Poor	Poor	Fair	Fair	Low	Leaning, weedy species	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T130	T130	*Leucaena leucocephala*	銀合歡	95	6	3	Poor	Poor	Fair	Fair	Low	Leaning, weedy species	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T131	T131	*Leucaena leucocephala*	銀合歡	205	8	6	Poor	Poor	Fair	Fair	Low	Low branching, weedy species	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T132	T132	*Leucaena leucocephala*	銀合歡	180	8	6	Poor	Poor	Fair	Fair	Low	Leaning, weedy species	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T133	T133	*Leucaena leucocephala*	銀合歡	230	5	6	Poor	Poor	Fair	Fair	Low	Leaning, low branching, weedy species	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell

Key to Justification for tree removal:
Note 1: Poor form / health tree/ poor structure or hazardous tree
Note 2: Affected by the proposed development
Note 3: Undesirable species

Appendix III - Tree Assessment Schedule (Tree Survey Conducted on Mar - April 2016)

Tree #	Photo #	Botanical Name	Chinese Name	Trunk Diameter at Breast Height (mm)	Overall Height (m)	Overall Crown Spread (m)	Amenity Value (Good/Fair/ Poor)	Form (Good/ Fair/ Poor)	Health (Good/ Fair/ Poor)	Structural Condition (Good/ Fair/ Poor)	Suitability for transplanting (High/ Medium/ Low)	Remarks	Conservation Status (Normal/ Rare/ Endanger/ OVT/ Tree Register)	Any Structural Defects or Health Problem	Remarks for Suitability for transplanting	Recommendation (retain/ transplant/fell)
T134	T134	*Bombax ceiba*	木棉	245	8	5	Fair	Fair	Fair	Fair	Medium	Seasonal defoliation	Normal	No		Transplant
T135	T135	*Leucaena leucocephala*	銀合歡	165	7	5	Poor	Poor	Fair	Fair	Low	Leaning, weedy species	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T136	T136	*Leucaena leucocephala*	銀合歡	185	8	6	Poor	Poor	Fair	Fair	Low	Forked, weedy species	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T137	T137	*Leucaena leucocephala*	銀合歡	165	7	6	Poor	Poor	Fair	Fair	Low	Forked, weedy species	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T138	T138	*Leucaena leucocephala*	銀合歡	260	7	6	Poor	Poor	Fair	Fair	Low	Multi-trunks, weedy species	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T139	T139	*Leucaena leucocephala*	銀合歡	160	8	6	Poor	Poor	Fair	Fair	Low	Low branching, weedy species	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T140	T140	*Morus alba*	桑	200	7	6	Poor	Poor	Fair	Fair	Low	Multi-trunks, low branching	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree	Fell
T141	T141	*Morus alba*	桑	160	5	4	Poor	Poor	Fair	Fair	Low	Leaning, low branching	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree	Fell
T142	T142	*Morus alba*	桑	155	5	4	Poor	Poor	Fair	Fair	Low	Low branching, climbers	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree	Fell

Key to Justification for tree removal:
Note 1: Poor form / health tree/ poor structure or hazardous tree
Note 2: Affected by the proposed development
Note 3: Undesirable species

Appendix III - Tree Assessment Schedule (Tree Survey Conducted on Mar - April 2016)

Tree #	Photo #	Botanical Name	Chinese Name	Trunk Diameter at Breast Height (mm)	Overall Height (m)	Overall Crown Spread (m)	Amenity Value (Good/Fair/ Poor)	Form (Good/ Fair/ Poor)	Health (Good/ Fair/ Poor)	Structural Condition (Good/ Fair/ Poor)	Suitability for transplanting (High/ Medium/ Low)	Remarks	Conservation Status (Normal/ Rare/ Endanger/ OVT/ Tree Register)	Any Structural Defects or Health Problem	Remarks for Suitability for transplanting	Recommendation (retain/ transplant/fell)
T143	T143	*Casuarina equisetifolia*	木麻黃	125	9	6	Fair	Fair	Fair	Poor	Low	Poor root condition: the tree is surrounded with many rock boulders and construction material.	Normal	No	Poor root condition: the tree is surrounded with many rock boulders and construction material. The compacted soil condition and rock boulder make it difficult to form a complete root ball and lower the survival rate after transplanting.	Fell
T144	T144	*Casuarina equisetifolia*	木麻黃	130	11	3	Poor	Poor	Poor	Poor	Low	Low branching. Poor health condition: sparse foliage Poor root condition: the tree is surrounded with many rock boulders and construction material.	Normal	No	Poor health condition: sparse foliage. Poor root condition: the tree is surrounded with many rock boulders and construction material. The compacted soil condition and rock boulder make it difficult to form a complete root ball and lower the survival rate after transplanting.	Fell
T148	T148	*Leucaena leucocephala*	銀合歡	115	5	4	Poor	Poor	Fair	Fair	Low	Leaning, weedy species	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T149	T149	*Leucaena leucocephala*	銀合歡	100	7	4	Poor	Poor	Fair	Fair	Low	Leaning, weedy species	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T150	T150	*Leucaena leucocephala*	銀合歡	100	5	5	Poor	Poor	Fair	Poor	Low	Uprooted, weedy species	Normal	Uprooted	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T151	T151	*Leucaena leucocephala*	銀合歡	110	7	4	Poor	Poor	Fair	Fair	Low	Leaning, weedy species	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T152	T152	*Leucaena leucocephala*	銀合歡	175	7	3	Poor	Poor	Fair	Poor	Low	Uprooted, weedy species	Normal	Uprooted	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell

Key to Justification for tree removal:
Note 1: Poor form / health tree/ poor structure or hazardous tree
Note 2: Affected by the proposed development
Note 3: Undesirable species

Appendix III - Tree Assessment Schedule (Tree Survey Conducted on Mar - April 2016)

Tree #	Photo #	Botanical Name	Chinese Name	Trunk Diameter at Breast Height (mm)	Overall Height (m)	Overall Crown Spread (m)	Amenity Value (Good/Fair/ Poor)	Form (Good/ Fair/ Poor)	Health (Good/ Fair/ Poor)	Structural Condition (Good/ Fair/ Poor)	Suitability for transplanting (High/ Medium/ Low)	Remarks	Conservation Status (Normal/ Rare/ Endanger/ OVT/ Tree Register)	Any Structural Defects or Health Problem	Remarks for Suitability for transplanting	Recommendation (retain/ transplant/fell)
T153	T153	*Leucaena leucocephala*	銀合歡	95	6	4	Poor	Poor	Fair	Poor	Low	Uprooted, weedy species	Normal	Uprooted	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T154	T154	*Leucaena leucocephala*	銀合歡	225	8	5	Poor	Poor	Fair	Fair	Low	Multi-trunks, weedy species	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T155	T155	*Leucaena leucocephala*	銀合歡	215	8	5	Poor	Poor	Fair	Poor	Low	Uprooted, weedy species	Normal	Uprooted	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T156	T156	*Leucaena leucocephala*	銀合歡	95	8	4	Poor	Poor	Fair	Fair	Low	Leaning, weedy species	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T157	T157	*Leucaena leucocephala*	銀合歡	150	9	6	Poor	Poor	Fair	Fair	Low	Low branching, weedy species	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T158	T158	*Leucaena leucocephala*	銀合歡	110	7	5	Poor	Fair	Fair	Fair	Low	Weedy species	Normal	No	• Poor amenity value • Undesirable species	Fell
T159	T159	*Leucaena leucocephala*	銀合歡	115	6	5	Poor	Poor	Fair	Fair	Low	Leaning, low branching, weedy species	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T160	T160	*Leucaena leucocephala*	銀合歡	130	5	5	Poor	Poor	Fair	Fair	Low	Multi-trunks, weedy species	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T161	T161	*Casuarina equisetifolia*	木麻黃	105	9	4	Poor	Fair	Poor	Fair	Low	Leaning slightly, low branching, growth suppressed by adjacent tree	Normal	No	• Common pioneer tree species	Fell

Key to Justification for tree removal:
Note 1: Poor form / health tree/ poor structure or hazardous tree
Note 2: Affected by the proposed development
Note 3: Undesirable species

Appendix III - Tree Assessment Schedule (Tree Survey Conducted on Mar - April 2016)

Tree #	Photo #	Botanical Name	Chinese Name	Trunk Diameter at Breast Height (mm)	Overall Height (m)	Overall Crown Spread (m)	Amenity Value (Good/Fair/ Poor)	Form (Good/ Fair/ Poor)	Health (Good/ Fair/ Poor)	Structural Condition (Good/ Fair/ Poor)	Suitability for transplanting (High/ Medium/ Low)	Remarks	Conservation Status (Normal/ Rare/ Endanger/ OVT/ Tree Register)	Any Structural Defects or Health Problem	Remarks for Suitability for transplanting	Recommendation (retain/ transplant/fell)
T162	T162	*Casuarina equisetifolia*	木麻黃	195	10	5	Poor	Poor	Poor	Poor	Low	Broken branches/ exposed root, lot of rock boulders in roof flare and exposed roots	Normal	No	Broken branches/ exposed root , lot of rock boulders in roof flare and exposed roots, make it difficult to form a complete rootball and lower the survival rate after transplanting	Fell
T163	T163	*Leucaena leucocephala*	銀合歡	150	7	5	Poor	Fair	Fair	Fair	Low	Weedy species	Normal	No	• Poor amenity value • Undesirable species	Fell
T164	T164	*Casuarina equisetifolia*	木麻黃	245	9	7	Poor	Poor	Poor	Poor	Low	Low branching, unbalanced form and broken tree trunks/ branches	Normal	No	• Poor amenity value/ poor form / health tree/ broken trunks / branches - hazardous tree Rootball location has a level drop and full of rock boulders, make it difficult to form a good rootball	Fell
T165	T165	*Leucaena leucocephala*	銀合歡	95	7	5	Poor	Fair	Fair	Fair	Low	Weedy species	Normal	No	• Poor amenity value • Undesirable species	Fell
T166	T166	*Leucaena leucocephala*	銀合歡	95	7	4	Poor	Poor	Fair	Fair	Low	Leaning, weedy species	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T167	T167	*Casuarina equisetifolia*	木麻黃	205	10	5	Fair	Fair	Fair	Fair	Medium	Low branching	Normal	No		Transplant
T168	T168	*Casuarina equisetifolia*	木麻黃	130	9	9	Poor	Poor	Poor	Fair	Low	Low branching	Normal	No	Poor health with sparse foliage and ant net found in roof flare The poor health lower the survival rate after transplanting.	Fell
T169	T169	*Casuarina equisetifolia*	木麻黃	225	13	7	Poor	Poor	Poor	Fair	Low	Dis-coloring / loosen bark and sparse foliage /broken branches	Normal	No	Poor health - dis-coloring / loosen bark and sparse foliage /broken branches The poor health lower the survival rate after transplanting.	Fell
T170	T170	*Casuarina equisetifolia*	木麻黃	180	13	6	Fair	Fair	Fair	Fair	Medium	Low branching	Normal	No		Transplant

Key to Justification for tree removal:
Note 1: Poor form / health tree/ poor structure or hazardous tree
Note 2: Affected by the proposed development
Note 3: Undesirable species

Appendix III - Tree Assessment Schedule (Tree Survey Conducted on Mar - April 2016)

Tree #	Photo #	Botanical Name	Chinese Name	Trunk Diameter at Breast Height (mm)	Overall Height (m)	Overall Crown Spread (m)	Amenity Value (Good/Fair/ Poor)	Form (Good/ Fair/ Poor)	Health (Good/ Fair/ Poor)	Structural Condition (Good/ Fair/ Poor)	Suitability for transplanting (High/ Medium/ Low)	Remarks	Conservation Status (Normal/ Rare/ Endanger/ OVT/ Tree Register)	Any Structural Defects or Health Problem	Remarks for Suitability for transplanting	Recommendation (retain/ transplant/fell)
T171	T171	*Casuarina equisetifolia*	木麻黃	250	11	8	Fair	Fair	Fair	Fair	Low	The tree is very mature	Normal	No	Tree is very mature, lower the survival rate after transplanting.	Fell
T172	T172	*Casuarina equisetifolia*	木麻黃	275	12	7	Fair	Fair	Fair	Fair	Low	The tree is very mature	Normal	No	Tree is very mature, slightly uprooted at trunk base, lower the survival rate after transplanting.	Fell
T173	T173	*Leucaena leucocephala*	銀合歡	100	7	5	Poor	Fair	Fair	Fair	Low	Weedy species	Normal	No	• Poor amenity value • Undesirable species	Fell
T174	T174	*Casuarina equisetifolia*	木麻黃	215	6	6	Poor	Poor	Poor	Poor	low	Poor health with sparse foliage. Cross branching weaken the tree structure	Normal	No	Poor health lower the survival rate after transplanting.	Fell
T175	T175	*Casuarina equisetifolia*	木麻黃	255	10	6	Fair	Fair	Fair	Fair	Medium	Low branching	Normal	No		Transplant
T176	T176	*Casuarina equisetifolia*	木麻黃	150	10	6	Fair	Fair	Fair	Fair	Medium	Low branching	Normal	No		Transplant
T177	T177	*Casuarina equisetifolia*	木麻黃	100	10	6	Poor	Poor	Poor	Fair	Low	Competing growth with adjacent trees, low branching	Normal	No	Poor health with sparse foliage, grow next to adjacent tree make it difficult to form a complete rootball and lower the survival rate after transplanting	Fell
T178	T178	*Casuarina equisetifolia*	木麻黃	285	11	6	Fair	Fair	Fair	Fair	Low	Tree is very mature. Wound in trunk base and sparse foliage	Normal	No	Tree is very mature, with big wound at trunk base, lower the survival rate after transplanting.	Fell
T179	T179	*Leucaena leucocephala*	銀合歡	100	7	4	Poor	Fair	Fair	Fair	Low	Weedy species	Normal	No	• Poor amenity value • Undesirable species	Fell
T180	T180	*Leucaena leucocephala*	銀合歡	120	5	4	Poor	Fair	Fair	Fair	Low	Weedy species	Normal	No	• Poor amenity value • Undesirable species	Fell
T181	T181	*Leucaena leucocephala*	銀合歡	115	5	5	Poor	Poor	Fair	Fair	Low	Low branching, weedy species	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell

Key to Justification for tree removal:
Note 1: Poor form / health tree/ poor structure or hazardous tree
Note 2: Affected by the proposed development
Note 3: Undesirable species

Appendix III - Tree Assessment Schedule (Tree Survey Conducted on Mar - April 2016)

Tree #	Photo #	Botanical Name	Chinese Name	Trunk Diameter at Breast Height (mm)	Overall Height (m)	Overall Crown Spread (m)	Amenity Value (Good/Fair/ Poor)	Form (Good/ Fair/ Poor)	Health (Good/ Fair/ Poor)	Structural Condition (Good/ Fair/ Poor)	Suitability for transplanting (High/ Medium/ Low)	Remarks	Conservation Status (Normal/ Rare/ Endanger/ OVT/ Tree Register)	Any Structural Defects or Health Problem	Remarks for Suitability for transplanting	Recommendation (retain/ transplant/fell)
T182	T182	*Casuarina equisetifolia*	木麻黃	220	11	6	Fair	Fair	Fair	Fair	Medium	Low branching	Normal	No		Transplant
T183	T183	*Casuarina equisetifolia*	木麻黃	145	12	7	Fair	Fair	Fair	Fair	Medium	Low branching	Normal	No		Transplant
T184	T184	*Casuarina equisetifolia*	木麻黃	125	10	8	Poor	Poor	Fair	Poor	Low	Low branching	Normal	No	Growth of tree is suppressed by adjacent trees. Dense spacing of trees make it difficult to form a complete rootball and lower the survival rate after tree transplanting.	Fell
T185	T185	*Casuarina equisetifolia*	木麻黃	275	11	6	Poor	Poor	Poor	Poor	Low	Leading shoot and branches were broken with poor form	Normal	No	Broken leading shoot and branches greatly reduce the amenity value of the trees and lower the suitability of tree transplanting.	Fell
T186	T186	*Casuarina equisetifolia*	木麻黃	120	10	5	Fair	Fair	Fair	Fair	Medium	Low branching	Normal	No		Transplant
T187	T187	*Casuarina equisetifolia*	木麻黃	105	11	5	Fair	Fair	Fair	Fair	Medium	Low branching	Normal	No		Transplant
T188	T188	*Casuarina equisetifolia*	木麻黃	150	5	4	Poor	Poor	Poor	Poor	Low	Multi-trunk at lower level	Normal	No	Poor health with sparse foliage and multi-trunk at lower level make it difficult to transplant and lower the survival rate after transplanting	Fell
T189	T189	*Casuarina equisetifolia*	木麻黃	120	12	4	Poor	Poor	Fair	Poor	Low	Uprooted	Normal	Uprooted	• Poor health, with uprooted / poor structure is a hazardous tree, not suitable for tree transplanting	Fell
T190	T190	*Casuarina equisetifolia*	木麻黃	155	15	5	Fair	Fair	Fair	Fair	Medium	Low branching	Normal	No		Transplant

Key to Justification for tree removal:
Note 1: Poor form / health tree/ poor structure or hazardous tree
Note 2: Affected by the proposed development
Note 3: Undesirable species

Appendix III - Tree Assessment Schedule (Tree Survey Conducted on Mar - April 2016)

Tree #	Photo #	Botanical Name	Chinese Name	Trunk Diameter at Breast Height (mm)	Overall Height (m)	Overall Crown Spread (m)	Amenity Value (Good/Fair/ Poor)	Form (Good/ Fair/ Poor)	Health (Good/ Fair/ Poor)	Structural Condition (Good/ Fair/ Poor)	Suitability for transplanting (High/ Medium/ Low)	Remarks	Conservation Status (Normal/ Rare/ Endanger/ OVT/ Tree Register)	Any Structural Defects or Health Problem	Remarks for Suitability for transplanting	Recommendation (retain/ transplant/fell)
T191	T191	*Casuarina equisetifolia*	木麻黃	100	6	4	Poor	Fair	Poor	Poor	Low	Wound in trunk base and sparse foliage	Normal	No	Wound in trunk base and sparse foliage, lower the survival rate after transplanting	Fell
T192	T192	*Casuarina equisetifolia*	木麻黃	170	10	7	Fair	Fair	Fair	Fair	Medium	Low branching	Normal	No		Transplant
T193	T193	*Casuarina equisetifolia*	木麻黃	230	14	8	Fair	Fair	Fair	Fair	Medium	Low branching	Normal	No		Transplant
T194	T194	*Casuarina equisetifolia*	木麻黃	190	15	5	Fair	Fair	Fair	Fair	Medium	Low branching	Normal	No		Transplant
T195	T195	*Casuarina equisetifolia*	木麻黃	230	11	6	Fair	Fair	Fair	Fair	Low	Low branching	Normal	No	•Multi-trunk and ant net found in trunk base. The multi-trunk at lower level make it difficult (easily broken) for transplanting and lower the survival rate after transplanting. Common pioneer tree species	Fell
T196	T196	*Casuarina equisetifolia*	木麻黃	170	9	5	Poor	Poor	Poor	Poor	Low	Low branching	Normal	No	Unbalance form, ant net found in the trunk flare.	Fell
T197	T197	*Callistemon rigidus*	紅千層	130	3	2	Fair	Fair	Fair	Fair	Medium	Low branching	Normal	No		Transplant
T198	T198	*Casuarina equisetifolia*	木麻黃	145	10	2	Fair	Fair	Fair	Fair	Medium	Low branching	Normal	No		Transplant
T199	T199	*Casuarina equisetifolia*	木麻黃	150	10	3	Fair	Poor	Fair	Poor	Low	Leaning, growing in a dense group of trees. With ant net found in trunk base	Normal	No	Leaning slightly and growth is suppressed by adjacent trees. Dense spacing of trees make it difficult to form a complete rootball.	Fell
T200	T200	*Casuarina equisetifolia*	木麻黃	155	9	5	Fair	Fair	Fair	Fair	Medium	Low branching	Normal	No		Transplant
T201	T201	*Casuarina equisetifolia*	木麻黃	100	10	2	Fair	Fair	Fair	Fair	Medium	Low branching	Normal	No		Transplant

Key to Justification for tree removal:
Note 1: Poor form / health tree/ poor structure or hazardous tree
Note 2: Affected by the proposed development
Note 3: Undesirable species

Appendix III - Tree Assessment Schedule (Tree Survey Conducted on Mar - April 2016)

Tree #	Photo #	Botanical Name	Chinese Name	Trunk Diameter at Breast Height (mm)	Overall Height (m)	Overall Crown Spread (m)	Amenity Value (Good/Fair/ Poor)	Form (Good/ Fair/ Poor)	Health (Good/ Fair/ Poor)	Structural Condition (Good/ Fair/ Poor)	Suitability for transplanting (High/ Medium/ Low)	Remarks	Conservation Status (Normal/ Rare/ Endanger/ OVT/ Tree Register)	Any Structural Defects or Health Problem	Remarks for Suitability for transplanting	Recommendation (retain/ transplant/fell)
T202	T202	*Casuarina equisetifolia*	木麻黃	160	11	3	Fair	Fair	Fair	Fair	Medium	Low branching	Normal	No		Transplant
T203	T203	*Leucaena leucocephala*	銀合歡	135	5	5	Poor	Poor	Fair	Fair	Low	Leaning, low branching, weedy species	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell
T204	T204	*Casuarina equisetifolia*	木麻黃	275	11	7	Fair	Fair	Fair	Poor	Low	The rootball condition is very sandy	Normal	No	The rootball condition is very sandy and make it difficult to form a complete rootball and lower the survival rate after transplanting	Fell
T205	T205	*Casuarina equisetifolia*	木麻黃	155	9	5	Poor	Poor	Fair	Poor	Low	Broken main trunk	Normal	No	Broken leading shoot and branches greatly reduce the amenity value of the trees and lower the suitability of tree transplanting.	Fell
T206	T206	*Leucaena leucocephala*	銀合歡	95	5	4	Poor	Fair	Fair	Fair	Low	Weedy species	Normal	No	• Poor amenity value • Undesirable species	Fell
T207	T207	*Leucaena leucocephala*	銀合歡	95	9	4	Poor	Fair	Fair	Fair	Low	Weedy species	Normal	No	• Poor amenity value • Undesirable species	Fell
T208	T208	*Bombax ceiba*	木棉	200	10	5	Fair	Fair	Fair	Fair	Medium	Climbers	Normal	No		Transplant
T209	T209	*Casuarina equisetifolia*	木麻黃	150	14	6	Fair	Fair	Fair	Fair	Medium	Low branching	Normal	No		Transplant
T210	T210	*Leucaena leucocephala*	銀合歡	135	6	5	Poor	Fair	Fair	Fair	Low	Weedy species	Normal	No	• Poor amenity value • Undesirable species	Fell
T211	T211	*Morus alba*	桑	190	5	5	Poor	Poor	Fair	Poor	Low	Leaning, low branching, conflicted with hoarding	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree	Fell

Key to Justification for tree removal:
Note 1: Poor form / health tree/ poor structure or hazardous tree
Note 2: Affected by the proposed development
Note 3: Undesirable species

Appendix III - Tree Assessment Schedule (Tree Survey Conducted on Mar - April 2016)

Tree #	Photo #	Botanical Name	Chinese Name	Trunk Diameter at Breast Height (mm)	Overall Height (m)	Overall Crown Spread (m)	Amenity Value (Good/Fair/ Poor)	Form (Good/ Fair/ Poor)	Health (Good/ Fair/ Poor)	Structural Condition (Good/ Fair/ Poor)	Suitability for transplanting (High/ Medium/ Low)	Remarks	Conservation Status (Normal/ Rare/ Endanger/ OVT/ Tree Register)	Any Structural Defects or Health Problem	Remarks for Suitability for transplanting	Recommendation (retain/ transplant/fell)
T212	T212	*Ficus subpisocarpa*	筆管榕	155	4	4	Poor	Poor	Fair	Poor	Low	Multi-trunks, roots restricted by hoarding	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree	Fell
T213	T213	*Leucaena leucocephala*	銀合歡	100	8	5	Poor	Poor	Fair	Fair	Low	Leaning, low branching, weedy species	Normal	No	• Poor amenity value/ poor form / health tree/ poor structure or hazardous tree • Undesirable species	Fell

End of Schedule

Key to Justification for tree removal:
Note 1: Poor form / health tree/ poor structure or hazardous tree
Note 2: Affected by the proposed development
Note 3: Undesirable species

Tree #	Photo #	Botanical Name	Chinese Name	Trunk Diameter at Breast Height (mm)	Overall Height (m)	Overall Crown Spread (m)	Amenity Value (Good/Fair/ Poor)	Form (Good/ Fair/ Poor)	Health (Good/ Fair/ Poor)	Structural Condition (Good/ Fair/ Poor)	Suitability for transplanting (High/ Medium/ Low)	Remarks	Conservation Status (Normal/ Rare/ Endanger/ OVT/ Tree Register)	Any Structural Defects or Health Problem	Remarks for Suitability for transplanting	Recommendation (retain/ transplant/fell)	Justifocation for tree felling	Department to provide expert advice to LandsD
D3	D3	*Leucaena leucocephala*	銀合歡	95	5	4	Poor	Poor	Fair	Poor	Low	Leaning, conflicted with fence footing, root restricted, weedy species	Normal	Leaning & root restricted	Undesirable tree species, poor form & structural condition	Fell	Note 1, 2 & 3	LCSD
D4	D4	*Bombax ceiba*	木棉	200	5	3	Poor	Poor	Fair	Poor	Low	Crooked, conflicted with fence footing, root restricted, broken branch	Normal	Root restricted	Poor form & structural condition	Fell	Note 1 & 2	LCSD
D5	D5	*Bombax ceiba*	木棉	105	3	2	Poor	Poor	Fair	Poor	Low	2 trunks, co-dominant trunks, conflicted with fence footing, root restricted, leaning	Normal	Leaning & root restricted	Poor form & structural condition	Fell	Note 1 & 2	LCSD
D6	D6	*Bombax ceiba*	木棉	260	10	4	Fair	Fair	Fair	Poor	Low	Root restricted, wounds & epicormics on branches	Normal	No	Poor structural condition, growing on rocky structure at seaside, beside concrete structure	Fell	Note 2	LCSD
D7	D7	*Leucaena leucocephala*	銀合歡	120	8	4	Poor	Poor	Fair	Poor	Low	Low branching, root restricted, growing from crack at seaside rocky structure, weedy species, codominant branches	Normal	Root restricted	Undesirable tree species, poor form & structural condition	Fell	Note 1, 2 & 3	LCSD
D8	D8	*Bombax ceiba*	木棉	540	12	10	Fair	Fair	Fair	Poor	Low	Low branching, root restricted, trunk base crossed with concrete structure with rubbing wound	Normal	No	Poor structural condition, growing on rocky structure at seaside, beside concrete structure	Fell	Note 2	LCSD
D9	D9	*Macaranga tanarius* var. *tomentosa*	血桐	270	6	8	Poor	Poor	Fair	Fair	Low	Low branching, root restricted, leaning, unbalanced crown	Normal	No	Growing on rocky structure at seaside, beside concrete structure, poor form	Fell	Note 1 & 2	LCSD
D11	D11	*Leucaena leucocephala*	銀合歡	130	6	4	Poor	Poor	Fair	Poor	Low	Open wounds, conflicted with hoarding footing, root restricted, weedy species	Normal	Root restricted	Undesirable tree species	Fell	Note 1, 2 & 3	LCSD
D12	D12	*Leucaena leucocephala*	銀合歡	205	8	6	Poor	Poor	Fair	Poor	Low	Open wounds, conflicted with hoarding footing, root restricted, weedy species	Normal	Root restricted	Undesirable tree species	Fell	Note 1, 2 & 3	LCSD
D13	D13	*Bombax ceiba*	木棉	445	11	6	Fair	Fair	Fair	Poor	Low	Wounds on branches, sucker on trunk base crossed with trunk	Normal	No	Poor structural condition, sucker crossed with main trunk	Fell	Note 2	LCSD
D14	D14	*Bischofia polycarpa*	重陽木	210	7	5	Fair	Fair	Fair	Poor	Low	Wounds on branches, closely grown branches As observed during tree survey in 2016, one side of the root has been restricted by concrete plinth	Normal	No	As observed during tree survey in 2016, one side of the rootball has been restricted by concrete plinth, the roots have been damaged and difficult to form a complete rootball.	Fell	Note 1 & 2	LCSD
D15	D15	*Bombax ceiba*	木棉	105	3	2	Poor	Poor	Fair	Fair	Low	Broken branches, wound on trunk, sign of insect attack	Normal	No	Poor form	Fell	Note 1 & 2	LCSD

Key to Justification for tree removal:
Note 1: Poor form / health tree/ poor structure or hazardous tree
Note 2: Affected by the proposed development
Note 3: Undesirable species

Tree #	Photo #	Botanical Name	Chinese Name	Trunk Diameter at Breast Height (mm)	Overall Height (m)	Overall Crown Spread (m)	Amenity Value (Good/Fair/ Poor)	Form (Good/ Fair/ Poor)	Health (Good/ Fair/ Poor)	Structural Condition (Good/ Fair/ Poor)	Suitability for transplanting (High/ Medium/ Low)	Remarks	Conservation Status (Normal/ Rare/ Endanger/ OVT/ Tree Register)	Any Structural Defects or Health Problem	Remarks for Suitability for transplanting	Recommendation (retain/ transplant/fell)	Justifocation for tree felling	Department to provide expert advice to LandsD
D16	D16	*Ficus religiosa*	菩提樹	210	8	6	Poor	Poor	Fair	Poor	Low	Multiple stems, conflicted with a house root restricted	Normal	Root restricted	Growing beside a house, poor form & structural condition	Fell	Note 1 & 2	LCSD
D17	D17	*Leucaena leucocephala*	銀合歡	140	9	4	Poor	Poor	Fair	Poor	Low	2 trunks, co-dominant trunks, conflicted with fence, root restricted, weedy species	Normal	Root restricted	Undesirable tree species, poor form & structural condition	Fell	Note 1, 2 & 3	LCSD
D19	D19	*Leucaena leucocephala*	銀合歡	295	10	10	Poor	Poor	Fair	Poor	Low	2 trunks, co-dominant trunks, uprooted, weedy species, wounds on trunk	Normal	Uprooted	Undesirable tree species, poor form & structural condition	Fell	Note 1, 2 & 3	LCSD

End of schedule

Key to Justification for tree removal:
Note 1: Poor form / health tree/ poor structure or hazardous tree
Note 2: Affected by the proposed development
Note 3: Undesirable species

Tree #	Photo #	Site ID	Botanical Name	Chinese Name	Trunk Diameter at DBH (mm)	Height (m)	Spread (m)	Amenity Value (Good/ Fair/ Poor)	Form (Good/ Fair/ Poor)	Health (Good/ Fair/ Poor)	Structural Condition (Good/ Fair/ Poor)	Suitability for Transplanting (High/ Medium/ Low)	Remarks	Conservation Status (Normal/ Rare/ Endanger/ OVT/ Tree	Remarks for Suitability for transplanting	Recommendation (retain/ transplant/fell)	Justifocation for tree felling	Department to provide expert advice to LandsD
T1	T1	B	*Leucaena leucocephala*	銀合歡	160	5	6	Poor	Poor	Fair	Poor	Low	Trunk diameter measured at 0.7m, root restricted, codominant branches	Normal	Undesirable tree species, poor form & structural condition	Fell	Note 1, 2 & 3	AFCD
T2	T2	B	*Leucaena leucocephala*	銀合歡	230	9	6	Poor	Poor	Fair	Poor	Low	Multi-trunks, poor taper, broken trunk with wound	Normal	Undesirable tree species, poor form & structural condition	Fell	Note 1, 2 & 3	AFCD

End of Schedule

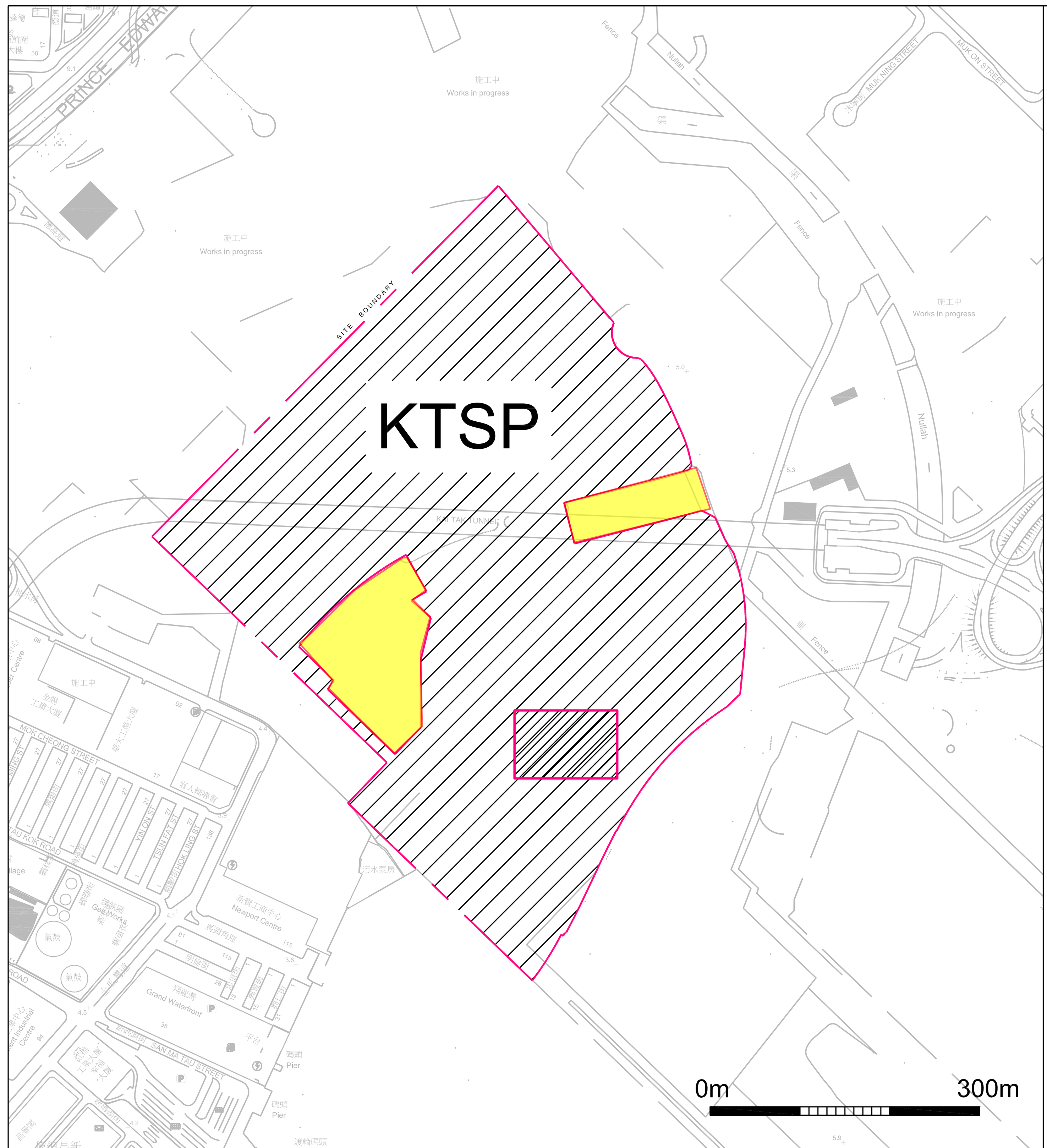
Key to Justification for tree removal:
Note 1: Poor form / poor health / poor structure or hazardous tree
Note 2: Affected by the proposed development
Note 3: Undesirable species

KAI TAK SPORTS PARK - TREE PRESERVATION AND TREE REMOVAL PROPOSAL

TREE RECOMMENDATION PLAN P01
Scale : 1 : 1000 @ A1

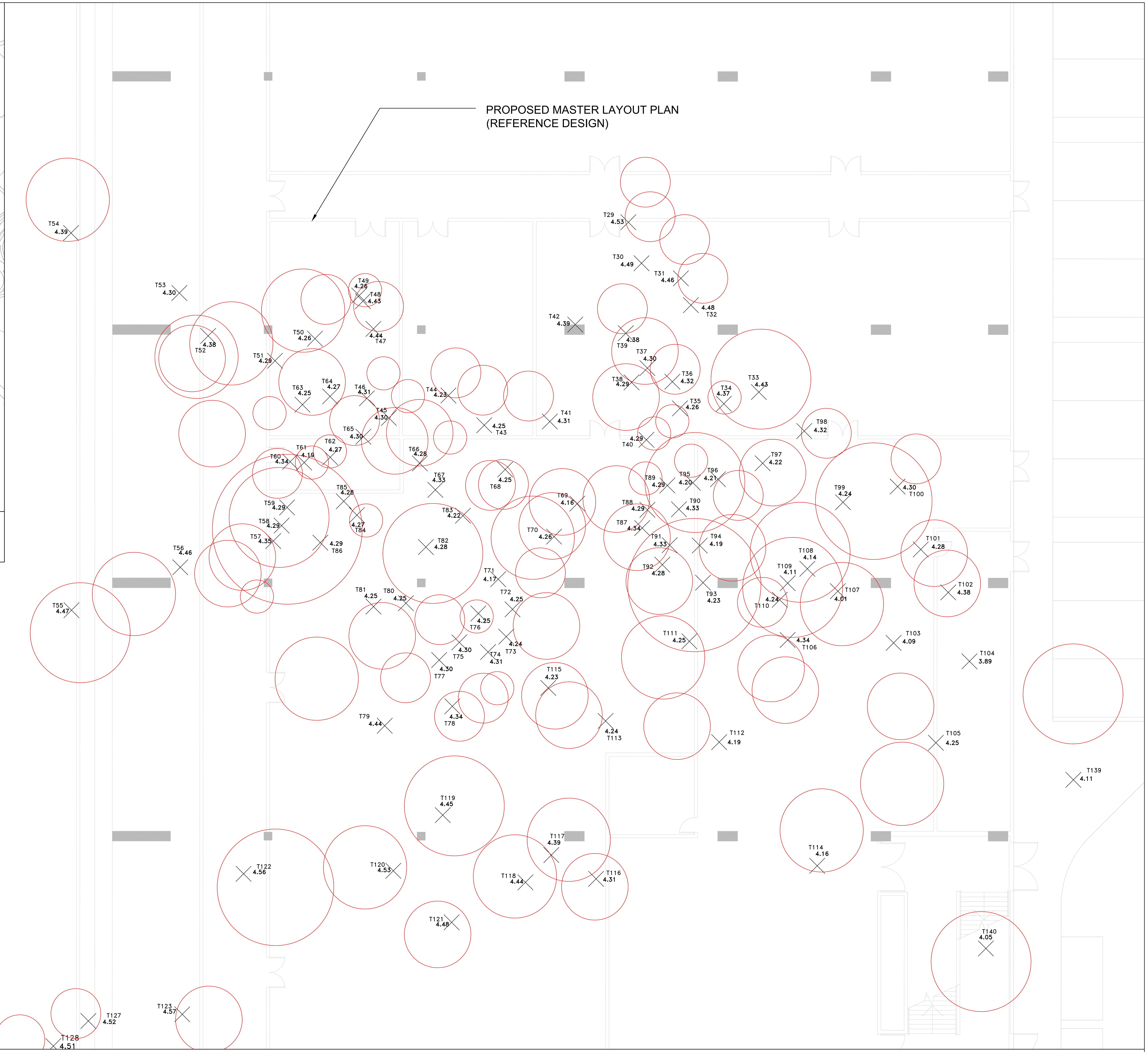
KAI TAK SPORTS PARK - TREE PRESERVATION AND TREE REMOVAL PROPOSAL

TREE RECOMMENDATION PLAN P02
Scale : 1 : 1000 @ A1



Location Plan

Scale : 1 : 5000



LEGEND

EXISTING TREE PROPOSED TO BE REMOVED

EXISTING TREES PROPOSED TO BE TRANSPLANTED

KAI TAK SPORTS PARK - TREE PRESERVATION AND TREE REMOVAL PROPOSAL

TREE RECOMMENDATION PLAN P03

Scale : N.T.S. @ A1

TGLA - TREE PRESERVATION AND TREE REMOVAL PROPOSAL

TREE TREATMENT PLAN P01
Scale : 1 : 400 @ A1

LEGEND:

P	PLANTING AREA
H	HEDGE PLANTING
L	LAWN
— - — - —	BOUNDARY LINE
⊙	PROPOSED TREES (TOTAL: 1025 NOS.) (DBH: 100 – 300mm) (TOTAL DBH: NOT LESS THAN 99000mm) ER MIN. REQUIREMENT: 990 (DBH: 100mm) (TOTAL DBH: NOT LESS THAN 99000mm)

N

NOTES:

1. NO LESS THAN 340 TREES WILL BE PLANTED WITHIN THE SITE.
2. LOCATION OF COMPENSATORY PLANTING TO BE DETERMINED AT THE DETAILED DESIGN STAGE.
3. THE TREE TREATMENT PROPOSAL SUMMARY IN THE APPROVED TREE PRESERVATION AND REMOVAL PROPOSAL (TPRP) IN 2016:

RETAIN TREE : 0
TRANSPLANT TREE : 26
FELL TREE : 196
COMPENSATORY TREE : 1025

ALL THE TRANSPLANT AND COMPENSATORY TREES SHALL BE PLANTED WITHIN SITE AND THE CURRENT TREE TREATMENT PROPOSAL SHALL KEEP IN VIEW TO ENSURE TO COMPLY WITH THE APPROVED TPRP REQUIREMENT.

Planting Schedule

Tree	BOTANICAL NAME	CHINESE NAME	SIZE (HEIGHT H X SPREAD_SP) mm	DBH ⌀ mm	SPACING mm	PLANT RATIO	AREA m2	REMARK
BA	*Bauhinia acuminata*	白花羊蹄甲	3500H x 3000SP	100	AS SHOWN	/	/	Straight trunk with even spradling crown
BJ	*Bischofia javanica*	秋枫	8000H X 5000SP	300	AS SHOWN	/	/	Straight single trunk with dense crown and even spreading
BV	*Bauhinia variegata*	宜阳羊蹄甲	3500H x 3000SP	100	AS SHOWN	/	/	Straight trunk with even spradling crown
CC	*Cerasus campanulata*	重瓣福建红樱桃	3500H x 3000SP	100	AS SHOWN	/	/	Low branching with dense crown
CCI	*Callistemon citrinus*	美花红千层	3000H x 2500SP	100	AS SHOWN	/	/	Low branching with dense crown
CJ	*Cassia javanica var. indochinensis*	节果决明	4000H x 3500SP	120	AS SHOWN	/	/	Straight trunk with even spradling crown
CJA	*Camellia japonic*	山茶花	2000H X 2000SP	100	AS SHOWN	/	/	Straight single trunk with dense crown and even spreading
CN	*Cassarina nana*	干头木麻黄	2000H x 2000SP	100	AS SHOWN	/	/	Low branching with dense crown
CS	*Cerasus serrulata var. lannesiana*	日本晚樱	3500H x 3000SP	100	AS SHOWN	/	/	Low branching with dense crown
CSP	*Cerasus speciosa*	大岛樱	3500H x 3000SP	100	AS SHOWN	/	/	Low branching with dense crown
HT	*Hibiscus tiliaceus rubra*	红苞黄槿	6000H x 4000SP	200	AS SHOWN	/	/	Straight single trunk with dense crown and even spreading
JM	*Jacaranda mimosifolia*	蓝花楹	8000H x 5000SP	300	AS SHOWN	/	/	Straight single trunk with dense crown and even spreading
KB	*Koelreuteria bipinnata*	复羽叶栾树	8000H x 5000SP	300	AS SHOWN	/	/	Straight single trunk with dense crown and even spreading
LF	*Liquidambar formosana*	枫香	5000H x 3500SP	150	AS SHOWN	/	/	Straight single trunk with dense crown and even spreading
LFR	*Leucophyllum frutescens*	红花玉英苑	2000H x 2000SP	100	AS SHOWN	/	/	Low branching with dense crown
MB	*Melaleuca bracteata 'Revolution Gold'*	黄金串钱柳	2500H x 2500SP	100	AS SHOWN	/	/	Straight trunk with even spradling crown
MS	*Magnolia soulangiana*	二乔木兰	3000H X 2500SP	100	AS SHOWN	/	/	Straight single trunk with dense crown and even spreading
OE	*Olea europaea*	橄榄	2500H x 2000SP	100	AS SHOWN	/	/	Low branching with dense crown
OF	*Osmanthus fragrans*	桂花	2500H X 2000SP	100	AS SHOWN	/	/	Straight single trunk with dense crown and even spreading
PP	*Pongamia pinnata*	水黄皮	6000H x 4000SP	180	AS SHOWN	/	/	Straight single trunk with dense crown and even spreading
PR	*Plumeria rubra*	鸡蛋花	3000H X 2500SP	100	AS SHOWN	/	/	Straight single trunk with dense crown and even spreading
PT	*Peltophorum tonkinense*	银珠	6000H x 4000SP	200	AS SHOWN	/	/	Straight single trunk with dense crown and even spreading
PY	*Prunus ymanensis 'Guangzhou'*	广州樱	3500H x 3000SP	100	AS SHOWN	/	/	Low branching with dense crown
RC	*Rhodoleia championi*	红花荷	2500H x 2000SP	100	AS SHOWN	/	/	Straight trunk with even spradling crown
SL	*Sterculia lanceolata*	假苹婆	3500H X 3000SP	100	AS SHOWN	/	/	Straight single trunk with dense crown and even spreading
UP	*Ulmus parvifol*	榔仙榔	8000H X 5000SP	300	AS SHOWN	/	/	Straight single trunk with dense crown and even spreading
XC	*Xanthostemon chrysanthus*	金蒲桃	3500H x 3000SP	100	AS SHOWN	/	/	Straight trunk with even spradling crown

FILE REF :

EMPLOYER :
HOME AFFAIRS BUREAU
The Government of The Hong Kong Special Administrative Region

CONTRACTED PARTY :
KAI TAK SPORTS PARK LIMITED

FIRST TIER SUB-CONTRACTOR - DESIGN AND BUILD :
HIP HING ENGINEERING CO LTD

FIRST TIER SUB-CONTRACTOR - OPERATE :
SMG

KEY DESIGN PERSONNEL FOR ARCHITECTURAL WORKS :
POPULOUS

ARCHITECTURAL DESIGNER / AUTHORIZED PERSON :
SKA

STRUCTURAL DESIGNER / STRUCTURAL STEELWORKS DESIGNER / GEOTECHNICAL DESIGNER / RETRACTABLE ROOF SPECIALIST / BUILDING SERVICES DESIGNER / ICT DESIGNER / ACOUSTIC SPECIALIST / TRAFFIC DESIGNER / FIRE ENGINEERING SPECIALIST / FIR-ADE SPECIALIST / SPECIALIST LIGHTING DESIGNER / SECURITY SYSTEMSPECIALIST / SUSTAINABILITY DESIGNER :
ARUP

LANDSCAPE DESIGNER / REGISTERED LANDSCAPE ARCHITECT :
ADI

TURF EXPERT :
STRI

SPORTS DEVELOPMENT / COMMERCIAL SALES CONSULTANT :
Lagardère SPORTS

REV	DESCRIPTION	DATE

PROJECT

DESIGN, CONSTRUCTION AND OPERATION OF THE KAI TAK SPORTS PARK
CONTRACT NO. HAB/KTSP/01
PROGRAMME NO. 3272RS

SHEET TITLE

COMPENSATORY PLANTING PLAN

COORDINATED	REVIEWED
HOP	ALL
SCALE @ A0	APPROVED
1:1000	CCH

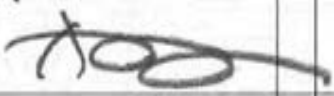
DRAWING NUMBER
KTSPL-LD-L-20-CP01

Design, Construction and Operation of the Kai Tak Sports Park

Supplementary Tree Preservation and Tree Felling Proposal For Previously Approved Transplanted Trees and Newly Identified Additional Existing Trees

Prepared By:
ADI Limited

Project Title	Design, Construction and Operation of the Kai Tak Sports Park
Title	Supplementary Tree Felling Application for Previously Approved Transplanted Trees and Newly Identified Additional Existing Trees
Date of Issue	8th October 2019

	Name	Signature	Date
Compiled by	Howard Pang		8th October 2019
Checked by	Alison Lee		8th October 2019
Approved by	Christopher Chung		8th October 2019

CONTENTS

1. Introduction

1.1 ADI Limited has been commissioned by Hip Hing Engineering Co. Ltd. (HH) to review the Tree Preservation and Removal Proposal (TPRP) for the Design, Construction and Operation of the Kai Tak Sports Park (GLA-NK 846) approved by HAB under blanket approval on 26th February 2019 and the latest conditions of existing trees on Site. Upon site possession and submission of the Initial Tree Survey Report prepared by HH and approved by HAB, all previously approved felled trees have been removed from Site. For locations of the surveyed trees refer to the ***Tree Survey and Recommendation Plans*** in ***Appendix I***.

1.2 The objective of this proposal is to review and revise proposed treatment of approved transplanted trees (total 26 nos. according to proposal approved by HAB on 26th February 2019) as found appropriate to ensure successful establishment of the trees after transplanting. In addition, new existing trees have been identified on Site after site possession and recorded in the Initial Tree Survey Report.

1.3 The revised treatment of previously approved transplanted trees from transplanting to felling is based on condition of trees recorded in the Initial Tree Survey Report submitted by HH and site inspections carried out by ADI (Landscape Designer) and Tree Incident Reports and Tree Assessment Reports prepared by the Specialist Landscaping Contractor.

1.4 Among the 26 nos. of newly identified existing trees, 8 nos. of them collapsed under typhoon signal no. 8 under Typhoon WIPHA dated 31st July 2019 and removed under emergency for site safety. Two trees were found wilted / dead in May and Aug 2019 and will be removed for site safety and tree management point of view. Incident reports for typhoon damage of these trees shall be submitted separately to HAB, DLO and LCSD for review and record though compensatory tree planting also included in this report for record. Proposed treatment of the remaining 18 nos. of them (including 11 nos. of invasive weed species, *Leucaena leucocephala,* and 1 no. collapsed and transplanted immediately) would be elaborated in the following section 3. And the ***Tree Survey and Recommendation Plans*** in ***Appendix I*** are updated according to the latest Master Layout Plan and landscape layout for the assessment of the impact of the proposed layout to the newly identified additional existing trees.

1.5 This report would include revised treatment of previously approved transplanted trees and proposed treatment of additional existing trees identified on Site for the seeking of technical advice from LCSD, ***Tree Assessment Schedule - A*** in ***Appendix II*** Photographic records of these trees refer to ***Appendix III*** of this report.

1.6 ***Tree Assessment Schedule - B*** in ***Appendix II*** *has summarized* the emergency tree removal due to tree collapse/typhoon damages and dead trees to be removed reported to HAB. Detail reports will be submitted separately to HAB, DLO and LCSD for record.

1.7 For ease of reference, existing trees outside Site but within 5m offset from the Site Boundary as included in the Initial Tree Survey submitted by HH are also shown in the ***Tree Survey and Recommendation Plans*** in ***Appendix I, Tree Assessment Schedule - C (Outside Site)*** in ***Appendix II*** and ***Photographic Records of Existing Trees outside Site but within 5m offset from Site Boundary*** in ***Appendix IV.*** All existing trees outside Site shall be retained and protected during the construction period in accordance with the Method Statement of Tree Protection approved by HAB with quarterly Tree Monitoring Report submitted for review and record of HAB.

2. Condition and Proposed Treatment for the Previously Approved Transplanted Trees

2.1 Based on the proposal approved by HAB on 26th February 2019, 26 nos. of existing trees are to be transplanted. Site inspections and assessment of the conditions of existing trees were carried out by the Specialist Landscaping Contractors, Pegasus Greenland Ltd. (Pegasus) and Asia Landscaping Limited, appointed by HH, on 13 February, 9 May 2019 and 19 July 2019. 3 nos. of them (T176, T194, T201) were found collapsed at site possession and another 8 nos. (T22, T23, T134, T175, T182, T183, T198 and T200) were assessed to be in poor condition and not suitable for transplanting.

2.2 The general conditions of these trees were poor with unsatisfactory form, poor health and low amenity value with defects including broken leader, broken branches, dieback branches, cavity and scar showing signs of deteriorated health due to poor and shallow soil condition as well as adverse impact of inclement weather in the past. Their survival rate after transplanting is considered to be low and therefore proposed for felling instead of transplanting. Technical advice from LCSD on the revised treatment from transplanting to felling of these 8 nos. of trees (T22, T23, T134, T175, T182, T183, T198, T200) has to be sought prior to submission to the HAB's Tree Works Vetting Panel of the project (TWVP). The Tree Survey and Recommendation Plans in Appendix I and Tree Assessment Schedule - A in Appendix II.

2.3 Location of the remaining 1 no. of approved transplanted tree (T18) has been verified and confirmed to be outside Site and would be retained as shown in the Tree Survey and Recommendation Plan in Appendix I and Tree Assessment Schedule - C for record of LCSD/HAB.

2.4 Approved treatment of transplanting for the remaining 14 nos. of trees (T19, T21, T24, T167, T170, T186, T187, T190, T192, T193, T197, T202, T208 and T209) has been kept not changed.

2.5 Details of the revised treatment of previously approved transplanted trees refer to ***Appendix I - Tree Survey and Recommendation Plans*** and ***Appendix II - Tree Assessment Schedule - A & B.***

3. Condition and Proposed Treatment of Newly Identified Additional Existing Trees

3.1 26 nos. of new existing trees are identified on Site upon Site possession by HH.

3.2 8 nos. of them collapsed under typhoon signal no. 8 under Typhoon WIPHA on 31st July 2019 and removed under emergency for site safety. These trees had been removed with compensatory tree planting proposal included in this report for record of HAB, DLO and LCSD as referred to ***Tree Assessment Schedule - B*** in ***Appendix II***.

3.3 1 no. of tree (A43) were uprooted after Typhoon Signal no. 3 under Typhoon KAJIKI hoisted on 2nd September 2019 and subsequently collapsed and transplanted direct to temporary holding nursery within Site on 4th September 2019 based on assessment by the specialist landscaping contractor. This tree shall be re-planted to the final location within Site upon completion of the builder's work. Record of the completed transplanting works is submitted herewith for record of LCSD/HAB as referred to ***Tree Assessment Schedule - B*** in ***Appendix II.***

3.4 11 nos. of them are of invasive weed species, *Leucaena leucocephala.* Among which 10 nos. of them (A17, A18, A19, A20, A21, A22, A23, A25, A27 & A31) are in conflict with the Main Stadium layout and 1 no. of them (A15) are in conflict with the promenade layout and required to be removed. Being all of invasive weed species with long-term horticultural maintenance concern, they are proposed to be felled with compensation. **Technical advice from LCSD on the proposed felling of these 11 nos. of trees to be sought** as referred to the ***Tree Survey and Recommendation Plans*** in ***Appendix I*** and ***Tree Assessment Schedule - A*** in ***Appendix II.***

3.5 Two *Macaranga* trees, A24 and A38 were found wilted and dead on May and Aug 2019 respectively. These two trees are proposed to be removed.

3.6 The remaining 4 nos. of existing trees are in conflict with the proposed development layout and require to be removed. Conditions of these trees have been assessed by the Specialist Landscaping Contractor - Pegasus and ADI on August 2019 as referred to Tree Assessment Schedule A in ***Appendix II*** and summarized below:

A16 - Location in conflict with building layout of the dining cove. Seriously leaning with poor structural condition and imbalanced crown;

A30- Location in conflict with the Main Stadium sports field. Crooked tree base, large wounds on main trunk and stem susceptible to infection and long term health deterioration and structural failure;

A32- Location in conflict with the Main Stadium layout. Uprooted tree base after typhoon signal no. 8 under Tropical Storm WIPHA on 31st July 2019 with degradation in the health condition as shown in updated photographic record taken on 16th September 2019 with wilted and sparse foliage and low survival rate after transplanting.

A42 - Location in conflict with pedestrian circulation between the Indoor Sports Centre and Neighborhood Park. Uprooted with long-term risk of structural failure.

3.7 Based on the above assessment, all of the 4 nos. of existing trees are proposed to be felled with compensatory planting. **Technical advice from LCSD on the proposed felling of these 4 nos. of trees has to be sought prior to submission to the HAB's TWVP** as referred to the ***Tree Survey and Recommendation Plans*** in ***Appendix I*** and ***Tree Assessment Schedule - A*** in ***Appendix II.***

4. Compensatory Tree Planting Proposal

4.1 The following table summarized total tree loss including the previously approved proposal, the current supplementary tree felling application as well as newly identified trees either of invasive weed species or trees damaged due to typhoon and removed for site safety:

Table 4.0 Summary of Total Tree Loss:

Proposed Felled Trees	**Total Quantity**	**Total DBH (mm)**	**Remarks**
a. Approved Felled Trees	196 nos.	29,045	-
b. Approved Transplanted trees revised to be felled	8 nos.	2,322	Technical advice to be sought from LCSD
c. Approved Transplanted trees collapsed and removed	3 nos.	440	For record of HAB,DLO and LCSD
d. Newly identified trees proposed for felling	4 nos.	507	Technical advice to be sought from LCSD
e. Newly identified *Leucaena leucocephala*	11 nos.	1,431	Technical advice to be sought from LCSD
f. Newly identified but collapsed due to typhoon damage and removed under emergency / to be removed	8 nos.	1,120	For record of HAB, DLO and LCSD.
g. Newly identified but found wilted and dead and to be removed.	2 nos.	271	For record of HAB, DLO and LCSD.
Total	**232**	**35,136**	

4.2 According to the ***Compensatory Planting Plan*** in ***Appendix V***, there are 1,042 nos. of new trees proposed with DBH between 60-300mm. Among which, not less than 352 nos. of compensatory trees of 100mm DBH would be accommodated with aggregate stem diameter not less than 35,200mm. The provision would be in excess to the compensation between tree loss and tree gain in terms of both quantity and quality (aggregate stem diameter).

5. Conclusion

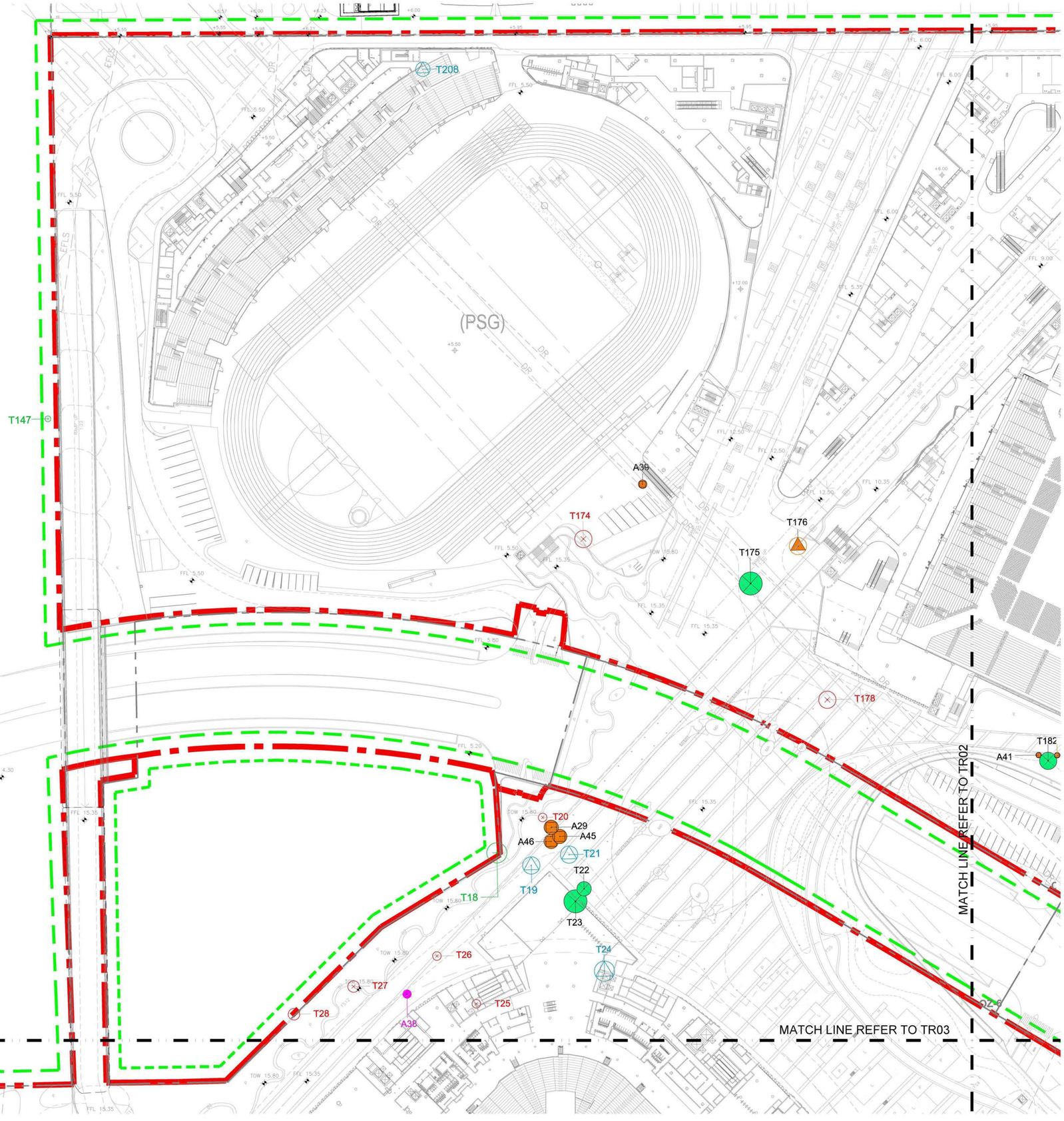
5.1 Conditions of 8 nos. of previously approved transplanted trees and 4 nos. of newly identified existing trees have been reviewed and assessed by ADI and the Specialist Landscaping Contractors after site possession by HH and all of them are of poor conditions with low survival rate after transplanting and proposed to be felled with compensatory tree planting.

5.2 11 nos. of newly identified existing trees of invasive weed species, *Leucaena leucocephala,* are in conflict with the development and recommended to be felled.

5.3 3 nos. of previously approved transplanted trees, 8 nos. of newly identified trees were found collapsed or damaged due to typhoon and removed under emergency and 2 nos. of newly identified trees were found wilted and dead and proposed to be removed for site safety and tree management point of view are also recorded in this report.

5.4 Including the previously approved 196 nos. of felled trees, there are in total 232 trees proposed to be felled/removed with total aggregate stem diameter of 35,136mm. 352 nos. of newly planted trees with 100mm DBH (total DBH: 35,200mm) would be planted within Site with compensation ratio between tree loss and tree gain achieving not less than 1:1 in terms of both quantity and quality.

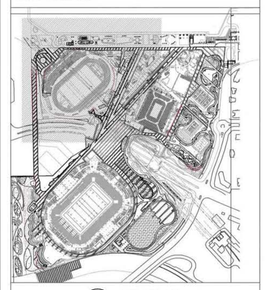
5.5 All new tree planting shall be carried out in accordance with Section 25 of the General Specification for Buildings by ArchSD (2017 edition) and relevant guidelines from DEVB. A 12-months establishment period shall be executed by the Specialist Landscaping Contractor upon practical completion of the planting works. Upon expiry of the Establishment Period, the trees shall be maintained by the KTSP operator.



N

LEGEND:

- BOUNDARY LINE
- 5M OFFSET FROM SITE BOUNDARY
- EXISTING TREES PROPOSED TO BE FELLED (APPROVED)
- EXISTING TREES PROPOSED TO BE TRANSPLANTED (APPROVED)
- APPROVED TRANSPLANTED TREES COLLAPSED & REMOVED UNDER EMERGENCY (FOR RECORD OF LCSD ONLY)
- LEUCAENA LEUCOCEPHALA PROPOSED TO BE FELLED (LCSD TO PROVIDE TECHNICAL ADVICE)
- EXISTING TREES PROPOSED TO BE FELLED (LCSD TO PROVIDE TECHNICAL ADVICE)
- COLLAPSED TREES REMOVED/ TO BE REMOVED
- WILTED AND DEAD TREES TO BE REMOVED
- COLLAPSED TREES TRANSPLANTED
- EXISTING TREE OUTSIDE SITE TO BE RETAINED



1 KEY PLAN
SCALE NTS

EMPLOYER :
HOME AFFAIRS BUREAU
The Government of The Hong Kong Special Administrative Region

CONTRACTED PARTY :
KAI TAK SPORTS PARK LIMITED

FIRST TIER SUB-CONTRACTOR - DESIGN AND BUILD :
HIP HING ENGINEERING CO LTD

FIRST TIER SUB-CONTRACTOR - OPERATE :
SMG

KEY DESIGN PERSONNEL FOR ARCHITECTURAL WORKS :
POPULOUS

ARCHITECTURAL DESIGNER / AUTHORIZED PERSON :
SKA

STRUCTURAL DESIGNER / STRUCTURAL STEELWORKS DESIGNER / GEOTECHNICAL DESIGNER / RETRACTABLE ROOF SPECIALIST / BUILDING SERVICES DESIGNER / I/T DESIGNER / ACOUSTIC SPECIALIST / TRAFFIC CONSULTANT / FIRE ENGINEERING DESIGNER / FACADE SPECIALIST / SPECIALIST LIGHTING DESIGNER / SECURITY SYSTEM SPECIALIST / SUSTAINABILITY DESIGNER :
ARUP

LANDSCAPE DESIGNER / REGISTERED LANDSCAPE ARCHITECT :
ADI

TURF EXPERT :
STRI

SPORTS DEVELOPMENT / COMMERCIAL SALES CONSULTANT :
Lagardère SPORTS

REV	DESCRIPTION	DATE

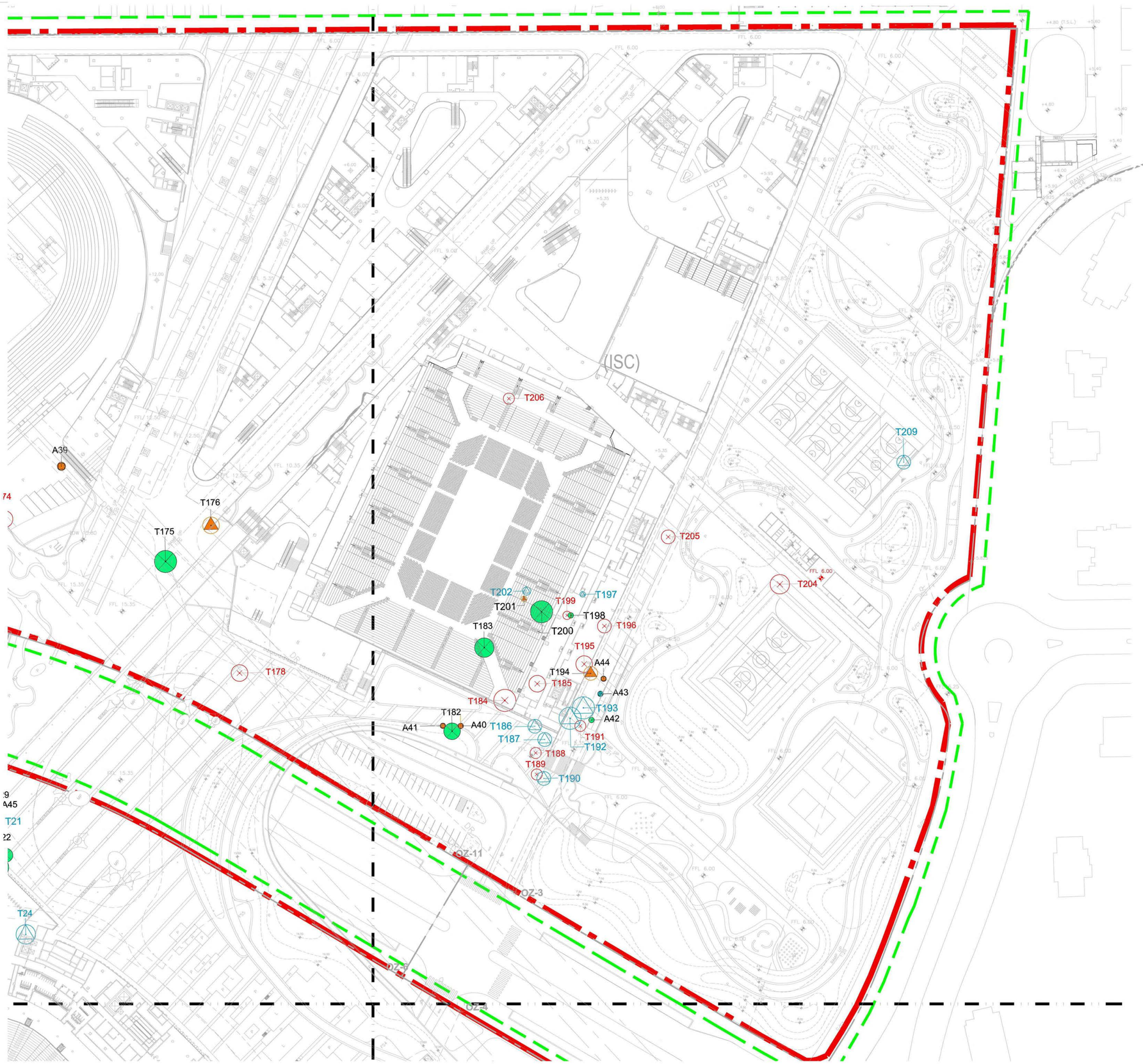
PROJECT
DESIGN, CONSTRUCTION AND OPERATION OF THE KAI TAK SPORTS PARK
CONTRACT NO. HAB/KTSP/01
PROGRAMME NO. 3272RS

SHEET TITLE
TREE SURVEY & RECOMMENDATION PLAN
(PART 1 OF 4)

COORDINATED	REVIEWED
HOP	ALL
SCALE @ A0	APPROVED
1:500	CCH

DRAWING NUMBER
KTSPL-LD-L-20-TR01

K:\Projects\HPHG10A-P10\DESIGN VERSION\TREE SURVEY PLAN\HPHGP10A-TS01.dwg, 10/10/2019 12:19:58 PM, A0, 1:1

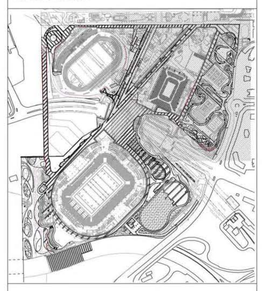


N

LEGEND:

- BOUNDARY LINE
- 5M OFFSET FROM SITE BOUNDARY
- EXISTING TREES PROPOSED TO BE FELLED (APPROVED)
- EXISTING TREES PROPOSED TO BE TRANSPLANTED (APPROVED)
- APPROVED TRANSPLANTED TREES COLLAPSED & REMOVED UNDER EMERGENCY (FOR RECORD OF LCSD ONLY)
- LEUCAENA LEUCOCEPHALA PROPOSED TO BE FELLED (LCSD TO PROVIDE TECHNICAL ADVICE)
- EXISTING TREES PROPOSED TO BE FELLED (LCSD TO PROVIDE TECHNICAL ADVICE)
- COLLAPSED TREES REMOVED/ TO BE REMOVED
- WILTED AND DEAD TREES TO BE REMOVED
- COLLAPSED TREES TRANSPLANTED
- EXISTING TREE OUTSIDE SITE TO BE RETAINED

FILE REF :



EMPLOYER :
HOME AFFAIRS BUREAU
The Government of The Hong Kong Special Administrative Region

CONTRACTED PARTY :
KAI TAK SPORTS PARK LIMITED

FIRST TIER SUB-CONTRACTOR - DESIGN AND BUILD :
HIP HING ENGINEERING CO LTD

FIRST TIER SUB-CONTRACTOR - OPERATE :
SMG

KEY DESIGN PERSONNEL FOR ARCHITECTURAL WORKS :
POPULOUS

ARCHITECTURAL DESIGNER / AUTHORIZED PERSON :
SKA

STRUCTURAL DESIGNER / STRUCTURAL STEELWORKS DESIGNER / GEOTECHNICAL DESIGNER / RETRACTABLE ROOF SPECIALIST / BUILDING SERVICES DESIGNER / ICT DESIGNER / ACOUSTIC SPECIALIST / TRAFFIC DESIGNER / FIRE ENGINEERING SPECIALIST / FACADE SPECIALIST / SPECIALIST LIGHTING DESIGNER / SECURITY SYSTEM SPECIALIST / SUSTAINABILITY DESIGNER :
ARUP

LANDSCAPE DESIGNER / REGISTERED LANDSCAPE ARCHITECT :
ADT

TURF EXPERT :
STRI

SPORTS DEVELOPMENT / COMMERCIAL SALES CONSULTANT :
Lagardère SPORTS

REV	DESCRIPTION	DATE

PROJECT

DESIGN, CONSTRUCTION AND OPERATION OF THE KAI TAK SPORTS PARK
CONTRACT NO. HAB/KTSP/01
PROGRAMME NO. 3272RS

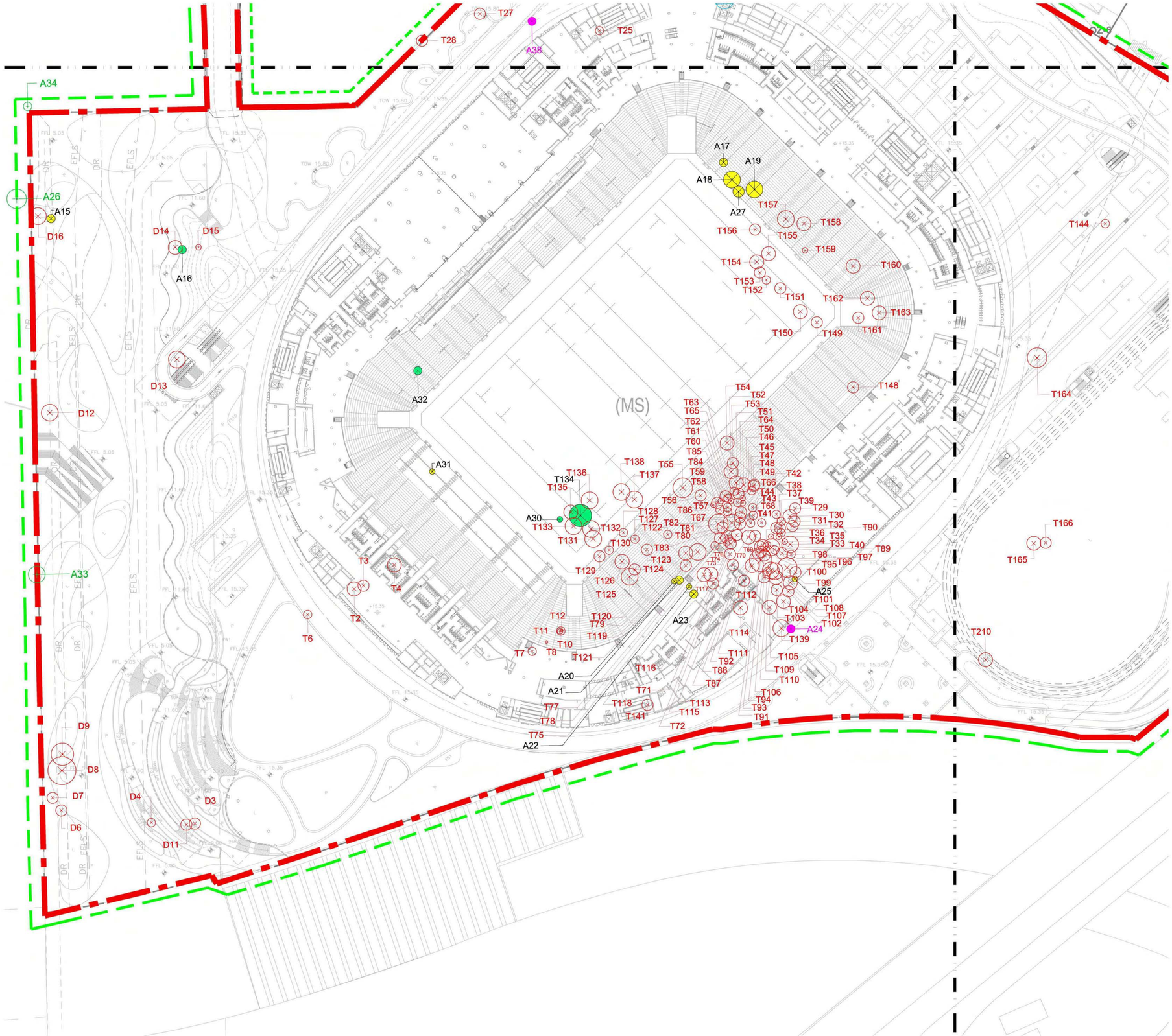
SHEET TITLE

TREE SURVEY & RECOMMENDATION PLAN
(PART 2 OF 4)

COORDINATED	REVIEWED
GRJ	ALL
SCALE @ A0	APPROVED
1:500	CCH

DRAWING NUMBER
KTSPL-LD-L-20-TR02

K:\Projects\HPHG10A~P10\DESIGN VERSION\TREE SURVEY PLAN\HPHGP10A-TS02.dwg, 10/10/2019 1:11:14 PM, A0, 1:1

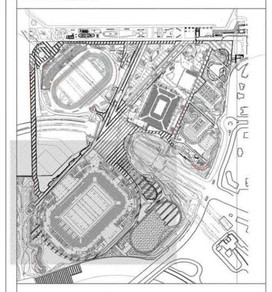


N

LEGEND:

- BOUNDARY LINE
- 5M OFFSET FROM SITE BOUNDARY
- EXISTING TREES PROPOSED TO BE FELLED (APPROVED)
- EXISTING TREES PROPOSED TO BE TRANSPLANTED (APPROVED)
- APPROVED TRANSPLANTED TREES COLLAPSED & REMOVED UNDER EMERGENCY (FOR RECORD OF LCSD ONLY)
- LEUCAENA LEUCOCEPHALA PROPOSED TO BE FELLED (LCSD TO PROVIDE TECHNICAL ADVICE)
- EXISTING TREES PROPOSED TO BE FELLED (LCSD TO PROVIDE TECHNICAL ADVICE)
- COLLAPSED TREES REMOVED/ TO BE REMOVED
- WILTED AND DEAD TREES TO BE REMOVED
- COLLAPSED TREES TRANSPLANTED
- EXISTING TREE OUTSIDE SITE TO BE RETAINED

FILE REF :



EMPLOYER :
HOME AFFAIRS BUREAU
The Government of The Hong Kong Special Administrative Region

CONTRACTED PARTY :
KAI TAK SPORTS PARK LIMITED

FIRST TIER SUB-CONTRACTOR - DESIGN AND BUILD :
HIP HING ENGINEERING CO LTD

FIRST TIER SUB-CONTRACTOR - OPERATE :
SMG

KEY DESIGN PERSONNEL FOR ARCHITECTURAL WORKS :
POPULOUS

ARCHITECTURAL DESIGNER / AUTHORIZED PERSON :
SKA

STRUCTURAL DESIGNER / STRUCTURAL STEELWORKS DESIGNER / GEOTECHNICAL DESIGNER / RETRACTABLE ROOF SPECIALIST / BUILDING SERVICES DESIGNER / I/T DESIGNER / ACOUSTIC SPECIALIST / TEMPORARY GRANDSTAND / FIRE ENGINEERING SPECIALIST / FACADE SPECIALIST / SPECIALIST LIGHTING DESIGNER / SECURITY SYSTEM SPECIALIST / SUSTAINABILITY DESIGNER :
ARUP

LANDSCAPE DESIGNER / REGISTERED LANDSCAPE ARCHITECT :
ADI

TURF EXPERT :
STRI

SPORTS DEVELOPMENT / COMMERCIAL SALES CONSULTANT :
Lagardère SPORTS

REV	DESCRIPTION	DATE

PROJECT

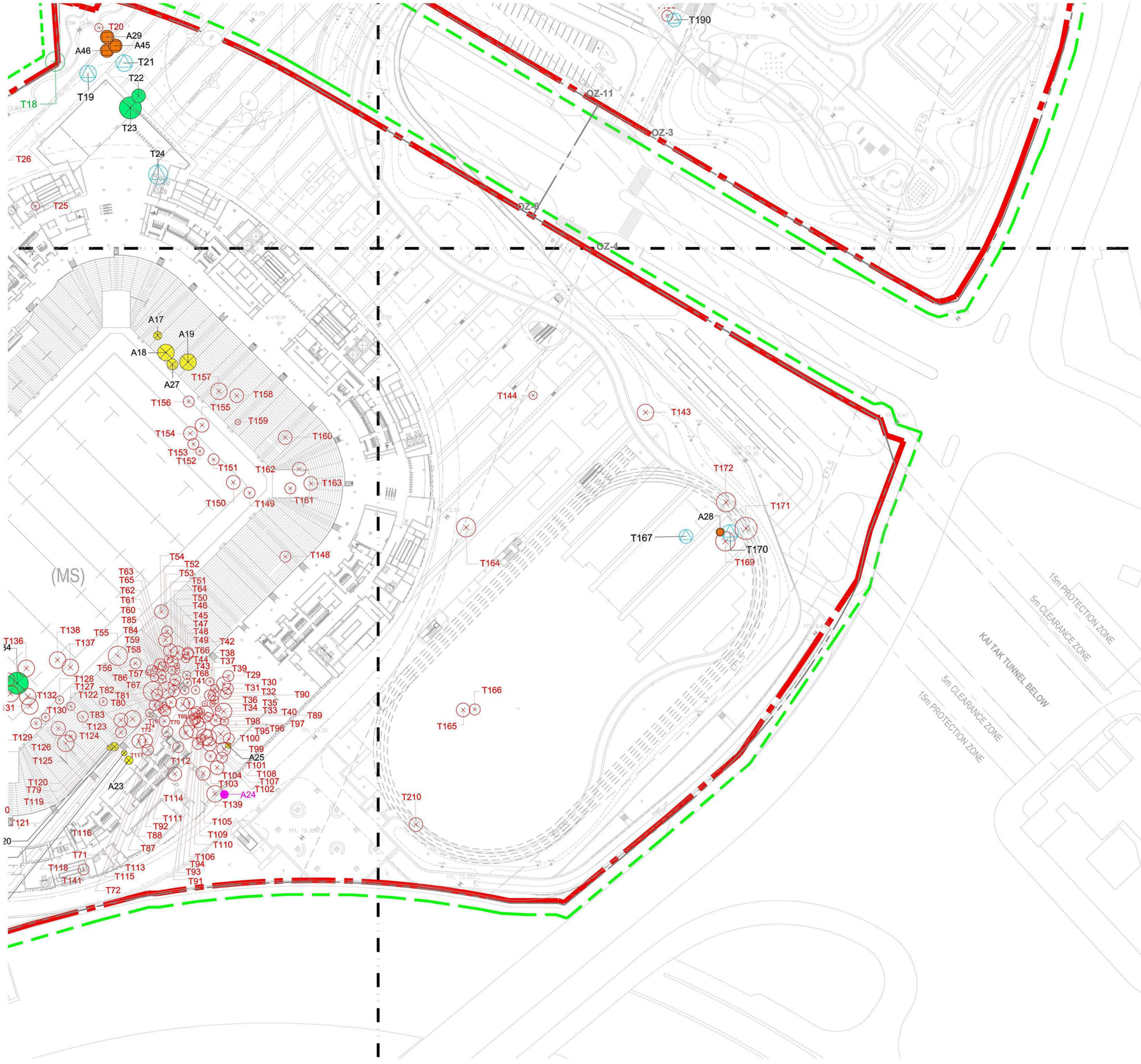
DESIGN, CONSTRUCTION AND OPERATION OF THE KAI TAK SPORTS PARK
CONTRACT NO. HAB/KTSP/01
PROGRAMME NO. 3272RS

SHEET TITLE

TREE SURVEY & RECOMMENDATION PLAN
(PART 3 OF 4)

COORDINATED	REVIEWED
GRJ	ALL
SCALE @ A0	APPROVED
1:500	CCH

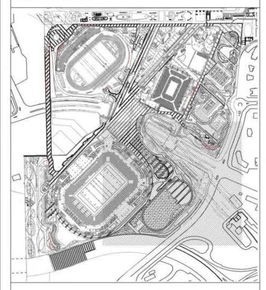
DRAWING NUMBER
KTSPL-LD-L-20-TR03



LEGEND:

- BOUNDARY LINE
- 5M OFFSET FROM SITE BOUNDARY
- EXISTING TREES PROPOSED TO BE FELLED (APPROVED)
- EXISTING TREES PROPOSED TO BE TRANSPLANTED (APPROVED)
- APPROVED TRANSPLANTED TREES COLLAPSED & REMOVED UNDER EMERGENCY (FOR RECORD OF LCSD ONLY)
- LEUCAENA LEUCOCEPHALA PROPOSED TO BE FELLED (LCSD TO PROVIDE TECHNICAL ADVICE)
- EXISTING TREES PROPOSED TO BE FELLED (LCSD TO PROVIDE TECHNICAL ADVICE)
- COLLAPSED TREES REMOVED/ TO BE REMOVED
- WILTED AND DEAD TREES TO BE REMOVED
- COLLAPSED TREES TRANSPLANTED
- EXISTING TREE OUTSIDE SITE TO BE RETAINED

FILE REF :



EMPLOYER :
HOME AFFAIRS BUREAU
The Government of The Hong Kong Special Administrative Region

CONTRACTED PARTY :
KAI TAK SPORTS PARK LIMITED

FIRST TIER SUB-CONTRACTOR - DESIGN AND BUILD :
HIP HING ENGINEERING CO LTD

FIRST TIER SUB-CONTRACTOR - OPERATE :
SMG

KEY DESIGN PERSONNEL FOR ARCHITECTURAL WORKS :
POPULOUS

ARCHITECTURAL DESIGNER / AUTHORIZED PERSON :
SKA

STRUCTURAL DESIGNER / STRUCTURAL STEELWORKS DESIGNER / GEOTECHNICAL DESIGNER / RETRACTABLE ROOF SPECIALIST / BUILDING SERVICES DESIGNER / ICT DESIGNER / ACOUSTIC SPECIALIST / TRAFFIC DESIGNER / FIRE ENGINEERING SPECIALIST / FACADE SPECIALIST / SPECIALIST LIGHTING DESIGNER / SECURITY SYSTEM SPECIALIST / SUSTAINABILITY DESIGNER :
ARUP

LANDSCAPE DESIGNER / REGISTERED LANDSCAPE ARCHITECT :
ADI

TURF EXPERT :
STRI

SPORTS DEVELOPMENT / COMMERCIAL SALES CONSULTANT :
Lagardère SPORTS

REV	DESCRIPTION	DATE

PROJECT

DESIGN, CONSTRUCTION AND OPERATION OF THE KAI TAK SPORTS PARK
CONTRACT NO. HAB/KTSP/01
PROGRAMME NO. 3272RS

SHEET TITLE

TREE SURVEY & RECOMMENDATION PLAN
(PART 4 OF 4)

COORDINATED	REVIEWED
GRJ	ALL
SCALE @ A0	APPROVED
1:500	CCH
DRAWING NUMBER	
KTSPL-LD-L-20-TR04	

K:\Projects\HPHG10A~P10\DESIGN VERSION\TREE SURVEY PLAN\HPHGP10A-T504.dwg, 10/10/2019 1:20:56 PM, A0,
1:1

TREE ASSESSMENT SCHEDULE - A (Within Site and equire LCSD's expert advice)

Date of Initial Tree Survey: 13, 15, 18 & 20 Feb 2019, 15 March, 2019
Tree Specialist: Howard Lau
Additional Assessment After Adverse Weather May 2019 and August 2019
Tree Specialists: Leung Hoi Gok, Regine (ISA Certified Arborist No. HK-0481A), HKILA AAP-057

Assessment base on initial tree survey carried out on Feb / Mar 2019 after site possession.															
Tree No.	**Species**		**Size**			**Amenity Value**	**Form**	**Health Condition**	**Structural Condition**	**Anticipated Survival Rate After Transplanting**	**Conservation Status (Normal/Rare/ Endanger/OVT/Tree Register)**	**Remarks for Suitability of Transplanting (initial tree survey in Feb / March 2019)**	**Department to Provide Expert Advice**	**Additional remark by tree specialist of CP (inspection on May / Aug 2019)**	**Recommendation (Retain/Transplant/Fell)**
	Botanical Name	**Chinese Name**	**DBH (mm)**	**Height (m)**	**Spread (m)**	**(High/Medium/Low)**	**(Good/ Fair/ Poor)**			**(High/ Medium/ Low)**					**Approved TPRP** / **Current Proposal in submission**
T22	*Casuarina equisetifolia*	木麻黃	322	10	5	Low	Poor	Poor	Poor	Low	Normal	Broken trunk; broken brances; detached bark at tree base; low branching and shallow roots .	LCSD	Deformed; Broken leader and branches; Detached bark at tree base; Low branching; wounds and scars are found on tree; and poor tree form. The huge wounds can be easily to be infected by fungus and other disease in future. Unlikely to restore to its natural form.	Transplant / Fell
T23	*Casuarina equisetifolia*	木麻黃	321	10	8	Low	Poor	Poor	Poor	Low	Normal	Broken trunk; broken brances; and shallow roots	LCSD	Broken trunk and branches seriously; and poor tree form. The huge wounds can be easily to be infected by fungus and other disease in future. Unlikely to restore to its natural form. (Crown pruning was done to remove damaged parts)	Transplant / Fell
T134	*Bombax ceiba*	木棉	376	10	8	Low	Poor	Poor	Poor	Low	Normal	Broken leader; Broken branches; cavity and shallow roots	LCSD	Broken leader, broken branches. Spare foliage at time of inspection.	Transplant / Fell
T175	*Casuarina equisetifolia*	木麻黃	408	14	8	Low	Poor	Poor	Poor	Low	Normal	Co-dominant trunks at tree base. co-dominant trunks at tree base of this mature specimen would also pose high risk of splitting during or after transplanting and risk of tree failure at the recipient site. Broken leader and large cavity on main trunk susceptible to infection with unrecoverable damage and not recommended for transplanting.	LCSD	Broken leader and large cavity/wound on main trunk; The huge wounds can be easily to be infected by fungus and other disease in future. Unlikely to restore to its natural form.	Transplant / Fell
T182	*Casuarina equisetifolia*	木麻黃	209	11	6	Low	Poor	Poor	Poor	Low	Normal	Broken branch; Broken leader; Wounds on branch; Covered root collar; Imbalanced tree crown; shallow root	LCSD	Broken leader and branches The wounds can be easily to be infected by fungus and other disease in future. Unlikely to restore to its natural form.	Transplant / Fell
T183	*Casuarina equisetifolia*	木麻黃	254	12	7	Low	Poor	Poor	Poor	Low	Normal	Broken leader; imbalance tree crown; Climber; Concrete surfer; Soil level change; shallow root	LCSD	Sparse crown, wilting and dieback branches and unlikely be recovered in future.	Transplant / Fell
T198	*Casuarina equisetifolia*	木麻黃	201	10	2	Low	Very Poor	Very Poor	Poor	NA	Normal	Broken trunk and branch; Dead;	LCSD	Broken leader and loss of whole crown; broken branches	Transplant / Fell
T200	*Casuarina equisetifolia*	木麻黃	231	9	8	Low	Poor	Poor	Poor	Low	Normal	Broken branch; Imbalance tree crown; Crack; shallow root	LCSD	Deformed tree, Broken leader and branches The wounds can be easily to be infected by fungus and other disease in future. Unlikely to restore to its natural form.	Transplant / Fell
A15	*Leucaena leucocephala*	銀合歡	160	5	3	Low	Poor	Poor	Fair	Low	Normal	Invasive weed species not recommended for transplanting	LCSD	NA	N/A (Newly identified tree) / Fell
A16	*Bombax ceiba*	木棉	110	5	2	Low	Poor	Poor	Poor	Low	Normal	Imbalane tree form, broken branches	LCSD	The tree was found uprooted, leaning with broken branch after typhoon signal no. 8 under Tropical Storm 'WIPHA' on 31 July 2019.	N/A (Newly identified tree) / Fell

TREE ASSESSMENT SCHEDULE - A (Within Site and equire LCSD's expert advice)

Date of Initial Tree Survey: 13, 15, 18 & 20 Feb 2019, 15 March, 2019
Tree Specialist: Howard Lau
Additional Assessment After Adverse Weather May 2019 and August 2019
Tree Specialists: Leung Hoi Gok, Regine (ISA Certified Arborist No. HK-0481A), HKILA AAP-057

Assessment base on initial tree survey carried out on Feb / Mar 2019 after site possession.																
	Species		Size			Amenity Value	Form	Health Condition	Structural Condition	Anticipated Survival Rate After Transplanting					Recommendation (Retain/Transplant/Fell)	
A17	*Leucaena leucocephala*	銀合歡	170	5	3	Low	Poor	Poor	Fair	Low	Normal	Invasive weed species not recommended for transplanting	LCSD	NA	N/A (Newly identified tree)	Fell
A18	*Leucaena leucocephala*	銀合歡	120	5	6	Low	Fair	Fair	Fair	Low	Normal	Invasive weed species not recommended for transplanting	LCSD	NA	N/A (Newly identified tree)	Fell
A19	*Leucaena leucocephala*	銀合歡	156	5	6	Low	Poor	Poor	Fair	Low	Normal	Invasive weed species not recommended for transplanting	LCSD	NA	N/A (Newly identified tree)	Fell
A20	*Leucaena leucocephala*	銀合歡	110	6	2	Low	Fair	Fair	Fair	Low	Normal	Invasive weed species not recommended for transplanting	LCSD	NA	N/A (Newly identified tree)	Fell
A21	*Leucaena leucocephala*	銀合歡	130	7	3	Low	Fair	Fair	Fair	Low	Normal	Invasive weed species not recommended for transplanting	LCSD	NA	N/A (Newly identified tree)	Fell
A22	*Leucaena leucocephala*	銀合歡	100	7	2	Low	Poor	Poor	Fair	Low	Normal	Invasive weed species not recommended for transplanting	LCSD	NA	N/A (Newly identified tree)	Fell
A23	*Leucaena leucocephala*	銀合歡	175	6	3	Low	Fair	Fair	Fair	Low	Normal	Invasive weed species not recommended for transplanting	LCSD	NA	N/A (Newly identified tree)	Fell
A25	*Leucaena leucocephala*	銀合歡	110	3	2	Low	Poor	Poor	Fair	Low	Normal	Invasive weed species not recommended for transplanting	LCSD	NA	N/A (Newly identified tree)	Fell
A27	*Leucaena leucocephala*	銀合歡	101	5	4	Low	Poor	Poor	Fair	Low	Normal	Invasive weed species not recommended for transplanting	LCSD	NA	N/A (Newly identified tree)	Fell
A30	*Bischofia javanica*	秋楓	132	4	2	Low	Poor	Poor	Poor	Low	Normal	Crooked tree base and large wounds on trunk susceptible to infection and establishment of balanced full crown unlikely	LCSD	NA	N/A (Newly identified tree)	Fell
A31	*Leucaena leucocephala*	銀合歡	99	2	2	Low	Poor	Poor	Fair	Low	Normal	Invasive weed species not recommended for transplanting	LCSD	NA	N/A (Newly identified tree)	Fell
A32	*Macaranga tanarius var. tomentosa*	血桐	135	2	3	Low	Poor	Poor	Poor	Low	Normal	Highly leaning and dieback	LCSD	The tree was found uprooted and leaning after typhoon signal no. 8 under Tropical Storm 'WIPHA' on 31 July 2019.	N/A (Newly identified tree)	Fell
A42	*Casuarina equisetifolia*	木麻黃	130	7	2	Low	Poor	Poor	Poor	Low	Normal	Exposed root, shallow root, low life-crown ration less than 30%	LCSD	The tree was found uprooted and leaning after typhoon signal no. 8 under Tropical Storm 'WIPHA' on 31 July 2019.	N/A (Newly identified tree)	Fell

Summary Table for this submission

Total Proposed Felled Trees: 23 nos. including:
- 8 nos. of previously approved transplanted trees
- 11 nos. of newly identified *Leucaena leucocephala*
- 4 nos. of newly identified trees

Note 1 : Incident reports are under HAB's review and will send to DLO and LCSD for record separately.

TREE ASSESSMENT SCHEDULE - B (Within Site and for information only)

Date of Initial Tree Survey: 13, 15, 18 & 20 Feb 2019, 15 March, 2019
Tree Specialist: Howard Lau
Additional Assessment After Adverse Weather: May 2019 and August 2019
Tree Specialist: Leung Hoi Gok, Regine (ISA Certified Arborist No. HK-0481A), HKILA AAP-057

Tree No.	Species		Size			Amenity Value	Form	Health Condition	Structural Condition	Anticipated Survival Rate After Transplanting	Conservation Status (Normal/Rare/ Endanger/OVT/Tree Register)	Remarks for Suitability of Transplanting	Recommendation (Retain/Transplant/Fell)		Department to Provide Expert Advice	Remarks
	Botanical Name	Chinese Name	DBH (mm)	Height (m)	Spread (m)	(High/Medium/Low)	(Good/ Fair/ Poor)			(High/ Medium/ Low)			Approved TPRP	Current Proposal in submission		
T176	*Casuarina equisetifolia*	木麻黃	150	10	6	Low	Poor	Poor	-	Low	Normal	Tree collapsed	Transplant	Removed	NA	The tree entirely collapsed and the tree was removed on 2 May 2019. (Refer to Incident Reports and see note 1 below)
T194	*Casuarina equisetifolia*	木麻黃	190	15	5	Low	Poor	Poor	Fair	Low	Normal	Tree collapsed	Transplant	Removed	NA	The tree entirely collapsed and removed on 2 May 2019. (Refer to Incident Reports and see note 1 below)
T201	*Casuarina equisetifolia*	木麻黃	100	10	2	Low	Poor	Poor	Fair	Low	Normal	Tree collapsed	Transplant	Removed	NA	The tree entirely collapsed and the tree was removed on 2 May 2019.(Refer to Incident Reports and see note 1 below)
A24	*Macaranga tanarius var. tomentosa*	血桐	151	3	3	Low	Poor	Poor	Poor	Low	Normal	Tree dieback	N/A (Newly identified tree)	Fell	NA	The tree was found dead on May 2019. Dead tree to be removed.
A28	*Casuarina equisetifolia*	木麻黃	154	8	3	Low	Poor	Poor	Fair	Low	Normal	Tree rooted due to typhoon damage	N/A (Newly identified tree)	Removed	NA	Broken branch, exposed root, shallow root. Tree was removed under emergency tree felling and the relevant report was submitted to HAB panel for record.
A29	*Casuarina equisetifolia*	木麻黃	213	9	5	Low	Poor	Poor	Fair	Low	Normal	Tree rooted due to typhoon damage	N/A (Newly identified tree)	Removed	NA	Crooked trunk, exposed root, broken branches, shallow root. Tree was removed under emergency tree felling and the relevant report was submitted to HAB panel for record.
A38	*Macaranga tanarius var. tomentosa*	血桐	120	4	3	Low	Poor	Poor	Poor	Low	Normal	Highly leaning and dieback	N/A (Newly identified tree)	Fell	NA	Wilting / Dead tree found on Aug 2019 after Tropical Storm "WIPHA" . Dead tree to be removed.
A39	*Casuarina equisetifolia*	木麻黃	139	5	3	Low	Poor	Poor	Fair	Low	Normal	Tree rooted due to typhoon damage	N/A (Newly identified tree)	Removed	NA	Restricted root zones; crack; crooked trunk and shallow root. Tree was removed under emergency tree felling and the relevant report was submitted to HAB panel for record.
A40	*Casuarina equisetifolia*	木麻黃	120	5	2	Low	Poor	Poor	Fair	Low	Normal	Tree rooted due to typhoon damage	N/A (Newly identified tree)	Removed	NA	Leaning; wound on trunk and branches, shallow root. Tree was removed under emergency tree felling and the relevant report was submitted to HAB panel for record.
A41	*Casuarina equisetifolia*	木麻黃	110	6	2	Low	Poor	Poor	Poor	Low	Normal	Tree rooted due to typhoon damage	N/A (Newly identified tree)	Removed	NA	Tree was removed under emergency tree felling and the relevant report was submitted to HAB panel for record.
A43	*Casuarina equisetifolia*	木麻黃	140	8	2	Low	Poor	Poor	Poor	Low	Normal	Tree collapsed and transplanted based on site judgement	N/A (Newly identified tree)	Transplanted	NA	The incident report shown that the tree was uprooted and leaning after typhoon signage no. 8 under Tropical Storm 'WIPHA' on 31 July 2019. The tree was found collapsed on 3 September 2019 and immediately transplanted to temporary holding nursery.
A44	*Casuarina equisetifolia*	木麻黃	140	7	2	Low	Poor	Poor	Fair	Low	Normal	Tree rooted due to typhoon damage	N/A (Newly identified tree)	Removed	NA	Root damage, wood on root, shallow root. Tree was removed under emergency tree felling and the relevant report was submitted to HAB panel for record.
A45	*Casuarina equisetifolia*	木麻黃	118	6	5	Low	Poor	Poor	Fair	Low	Normal	Tree rooted due to typhoon damage	N/A (Newly identified tree)	Removed	NA	Exposed root, broken branches, shallow root. Tree was removed under emergency tree felling and the relevant report was submitted to HAB panel for record.
A46	*Casuarina equisetifolia*	木麻黃	126	6	5	Low	Poor	Poor	Fair	Low	Normal	Tree rooted due to typhoon damage	N/A (Newly identified tree)	Removed	NA	Leaning, exposed root, uprooted, broken branches and shallow root. Tree was removed under emergency tree felling and the relevant report was submitted to HAB panel for record.

Summary Table for this submission

Total Damaged/Collapsed Trees Removed: 11 nos.
Total Collapsed Tree Transplanted: 1 no.
Total nos. of Dead trees to be removed: 2 nos.

Note 1 : Incident reports are under HAB's review and will send to DLO and LCSD for record separately.

TREE ASSESSMENT SCHEDULE - C (Outside Site)

Date of Survey: 13, 15, 18 & 20 Feb 2019, 15 March, 2019
Surveyor: Howard Lau
Date of Survey: May 2019 and updated on August 2019
Surveyor: Leung Hoi Gok, Regine (ISA Certified Arborist No. HK-0481A), HKILA AAP-057

Tree No.	Species		Size			Amenity Value	Form	Health Condition	Structural Condition	Anticipated Survival Rate After Transplanting	Remarks for Suitability of Transplanting	Conservation Status (Normal/Rare/ Endanger/OVT/Tree Register)	Any Structural Defects or Health Problem	Recommendation (Retain/Transplant/Fell)		Department to Provide Expert Advice	Remarks
	Botanical Name	Chinese Name	DBH (mm)	Height (m)	Spread (m)	(High/Medium/Low)	(Good/ Fair/ Poor)			(High/ Medium/ Low)				Approved TPRP	Current Proposal in submission		
T18	*Casuarina equisetifolia*	木麻黃	155	14	7	Low	Poor	Poor	Fair	Low	-	Normal	No	Transplant	Retain	NA	Verified to be outside Site Boundary. No transplanting works shall be conducted and to be retained. Broken branches, bark damaged.
T147	*Ficus religiosa*	菩提樹	110	4	2	Low	Poor	Poor	Fair	Low	-	Normal	No	NA	Retain	NA	Outside Site Boundary, exposed root, uprooted, pest infection and waste at rootzone.
A26	*Ficus religiosa*	菩提樹	370	12	7	Medium	Fair	Fair	Fair	Low	-	Normal	No	N/A (Newly identified tree)	Retain	NA	-
A33	*Leucaena leucocephala*	銀合歡	100	10	2	Low	Poor	Poor	Poor	Low	Invasive weed species and collapsed	Normal	No	N/A (Newly identified tree)	Retain	NA	Highly leaning, uprooted, collapsed.
A34	*Morus alba*	桑	154	8	3	Low	Poor	Poor	Restricted root zone	Low	Tree base abutting concrete structure with formation of proper rootball not feasible	Normal	No	N/A (Newly identified tree)	Retain	NA	Broken main trunk, decay, tree base attached to existing concrete structure with restricted rootzone.

Summary Table for this submission

Total Trees outside Site but within 5m offset from Site Boundary Retained: 4 nos.
Total Tree outside Site but within 5m offset from Site Boundary revised from Transplant to Retain: 1 no.

A15

A16 Imbalance tree form

A16 Close-up of broken branches

A17

A18

A19

A20

Photos of newly identified trees (after site possession)

A21

A22

A23

A25

A27

A30

A30 Close-up of crooked tree form

A31

A32

A32 Uprooted (after typhoon WIPHA – 31 July 2019)

A32 Uprooted (after typhoon WIPHA – 31 July 2019)

A42 Spare foliage and crooked tree form

A42 Found uprooted
(after typhoon WIPHA - 31 July 2019)

A42 Uprooted (after typhoon WIPHA – 31 July 2019)

T22

T22

T22 View from another side, deformed tree

T22 Close-up of damaged trunk

T23

T23

T23 Close up of broken trunk

T23 Deformed tree

T23 Close up of tree after crown cleanig of the damaged part.

T134

T134 Close-up of broken leader and branches

T175

T175

T175 Co-dominant trunks at tree base of this mature specimen would pose high risk of splitting during or after transplanting and risk of tree failure.

T175 Close-up of bark crack / wound/cavity in trunk

T175 Close-up of bark crack / wound in trunk

T175 Close-up of broken leader

T175 Close-up of wound below broken leader.

T175 Close-up of bark crack / wound in trunk.

T182 Deformed

T182 Close-up of broken leader

T182 Close-up of broken branches

T182 Close-up of broken branches

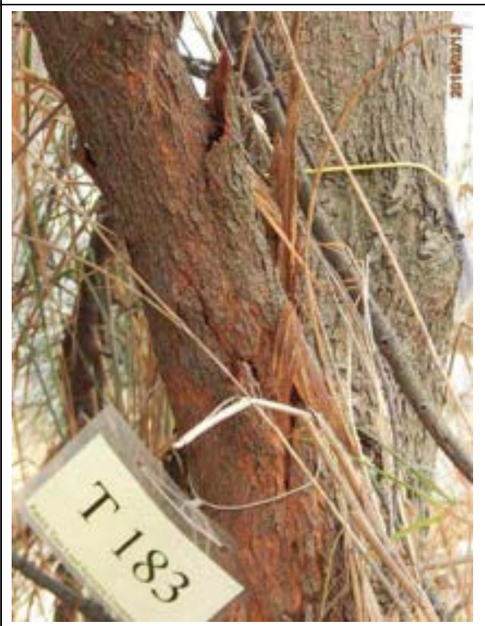
T182 Close-up of wound/crack on branch

T182 Change of soil level

T183 Deformed tree

T183 Close-up of broken leader

T183 Close-up of broken branches



T183 Close-up of bark carks

T198

T198

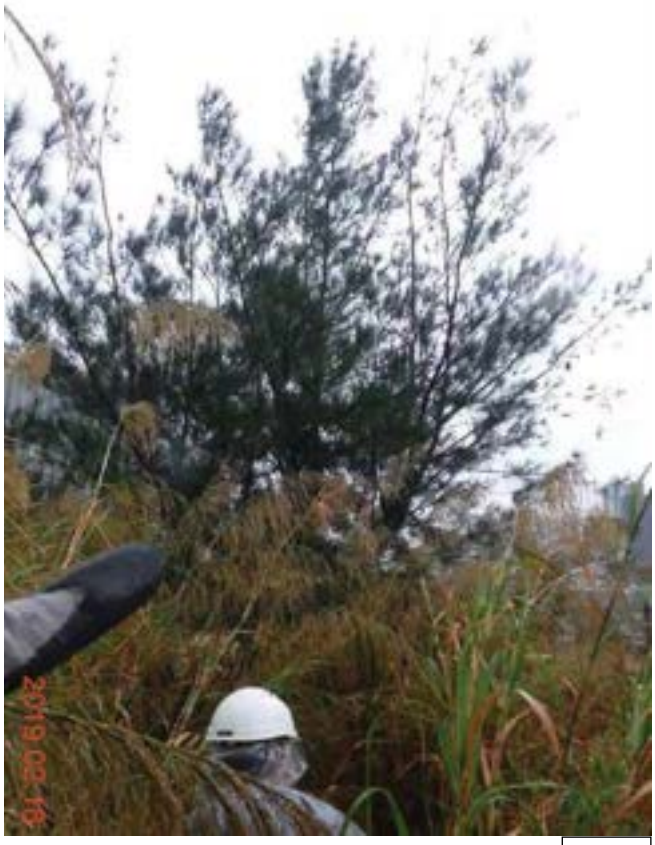
Close-up of broken leader and trunks

T198 Close-up of broken trunk and branches

T198 After crown cleaning of damaged park

T200 Spare foliage

T200 Broken leader



T18 (OVERALL) R

T18 (BASE) R

T18 (TRUNK) R

R-Retain T-Transplant F-Fell D-Dead Tree

Design, Construction and Operation of the Kai Tak Sports Park Contract No. HAB/KTSP/01 Photographic Record of Existing Trees (Outside Site)	SCALE	N.T.S.	DATE	OCT 2019
	CHECKED	ALL	DRAWN	TEAM
	FIGURE NO.	HPHG10A-OS001	REV	-

T147 (OVERALL) R

A26 (OVERALL) R

A33 (OVERALL) R

R-Retain T-Transplant F-Fell D-Dead Tree

Design, Construction and Operation of the Kai Tak Sports Park
Contract No. HAB/KTSP/01

Photographic Record of Existing Trees
(Outside Site)

SCALE	N.T.S.	DATE	OCT 2019
CHECKED	ALL	DRAWN	TEAM
FIGURE NO.	HPHG10A-OS002		REV -

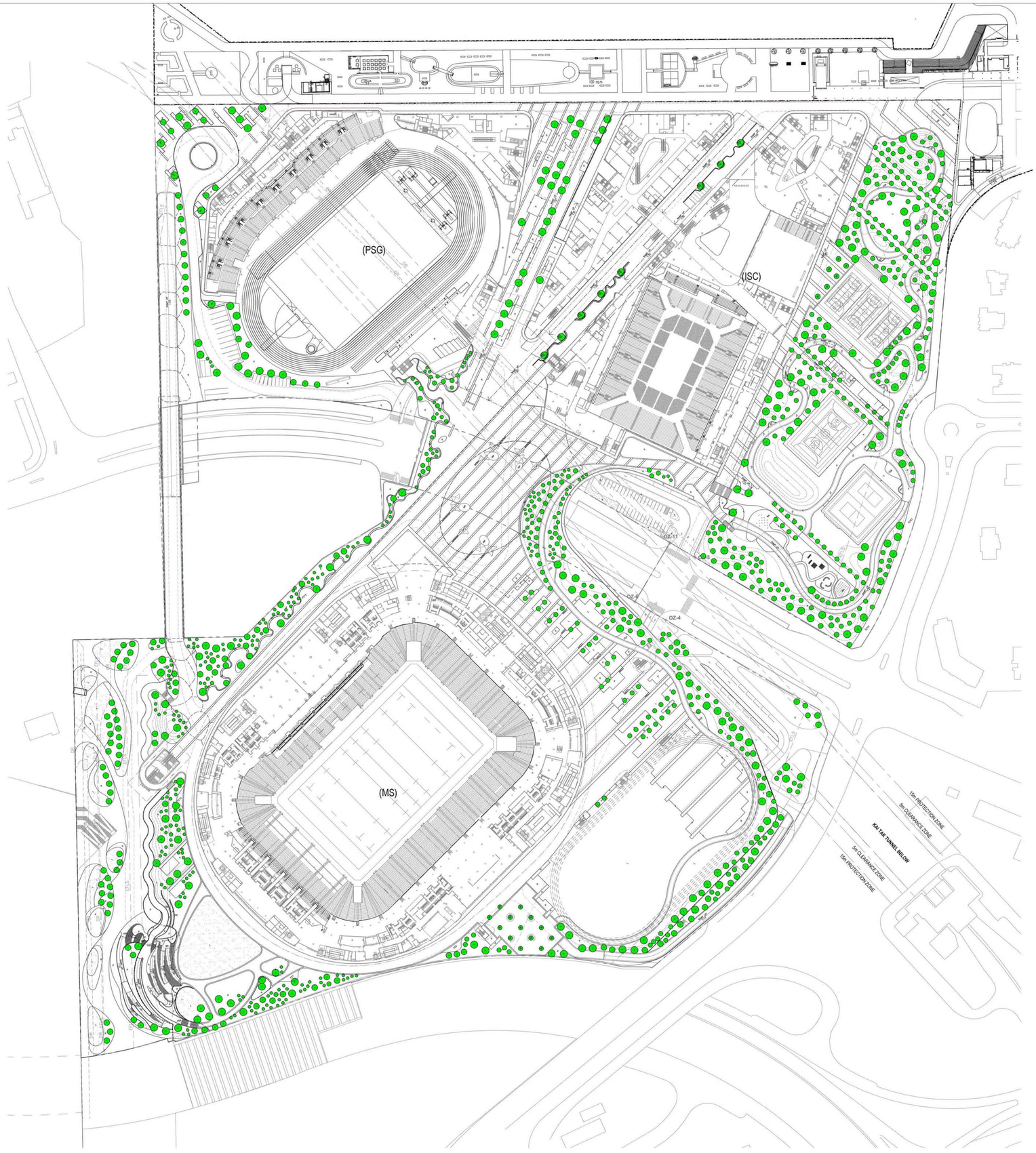
ADI

A34 (OVERALL) R

A34 (BASE) R

R-Retain T-Transplant F-Fell D-Dead Tree

Design, Construction and Operation of the Kai Tak Sports Park Contract No. HAB/KTSP/01 Photographic Record of Existing Trees (Outside Site)	SCALE	N.T.S.	DATE	OCT 2019	ADI
	CHECKED	ALL	DRAWN	TEAM	
	FIGURE NO.	HPHG10A-OS003		REV -	



LEGEND:

P	PLANTING AREA
H	HEDGE PLANTING
L	LAWN
- - -	BOUNDARY LINE
●	PROPOSED TREES (TOTAL: 1025 NOS.) (INCLUDING 352 NOS. OF COMPENSATORY TREES IN 100MM DBH TOTAL DBH = 35,200MM)

N

FILE REF :

EMPLOYER :
HOME AFFAIRS BUREAU
The Government of The Hong Kong Special Administrative Region

CONTRACTED PARTY :
KAI TAK SPORTS PARK LIMITED

FIRST TIER SUB-CONTRACTOR - DESIGN AND BUILD :
HIP HING ENGINEERING CO LTD

FIRST TIER SUB-CONTRACTOR - OPERATE :
SMG

KEY DESIGN PERSONNEL FOR ARCHITECTURAL WORKS :
POPULOUS

ARCHITECTURAL DESIGNER / AUTHORIZED PERSON :
SKA

STRUCTURAL DESIGNER / STRUCTURAL STEELWORKS DESIGNER / GEOTECHNICAL DESIGNER / RETRACTABLE ROOF SPECIALIST / BUILDING SERVICES DESIGNER / I/T DESIGNER / ACOUSTIC SPECIALIST / TRAFFIC DESIGNER / FIRE ENGINEERING SPECIALIST / FACADE SPECIALIST / SPECIALIST LIGHTING DESIGNER / SECURITY SYSTEM SPECIALIST / SUSTAINABILITY DESIGNER :
ARUP

LANDSCAPE DESIGNER / REGISTERED LANDSCAPE ARCHITECT :
ADI

TURF EXPERT :
STRI

SPORTS DEVELOPMENT / COMMERCIAL SALES CONSULTANT :
Lagardère SPORTS

REV	DESCRIPTION	DATE

PROJECT
DESIGN, CONSTRUCTION AND OPERATION OF THE KAI TAK SPORTS PARK
CONTRACT NO. HAB/KTSP/01
PROGRAMME NO. 3272RS

SHEET TITLE
COMPENSATORY PLANTING PLAN -
SUPPLEMENTARY TREE FELLING APPLICATION

COORDINATED	REVIEWED
HOP	ALL
SCALE @ A0	APPROVED
1:1000	CCH

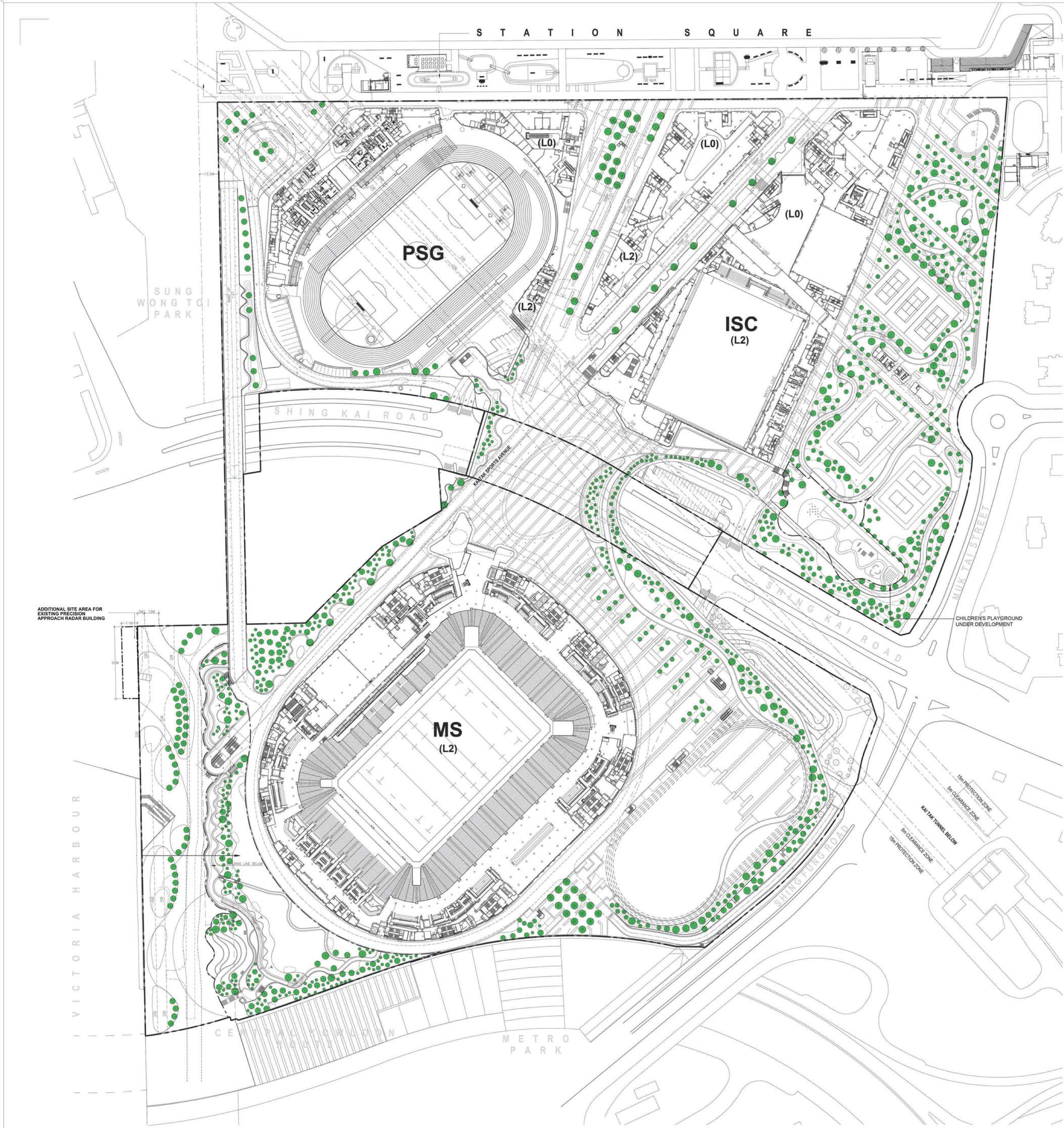
DRAWING NUMBER
KTSPL-LD-L-20- STFA-CP01

K:\Projects\HPHG10A~P10\DESIGN VERSION\PLAN_1_500\HPHGP10A- STFA-CP001.dwg, 10/9/2019 12:06:47 AM, A0,
1:1

Appendix C

Tree Planting Plan and Soiling Plan

ID NO.	Landscape / Visual Mitigation Measure
OM3	Compensatory Tree Planting



LEGEND:

P	PLANTING AREA
H	HEDGE PLANTING
L	LAWN
▬ ▬ ▬	BOUNDARY LINE

PROPOSED TREES (TOTAL : 1065 NOS.) INCLUDING 447 NOS. OF COMPENSTORY TREES IN 100MM DBH (TOTAL DBH = 44,700 MM)

UNDER SEPARATE APPROVED TPRP (FOR INFORMATION ONLY)

372 NOS. OF COMPENSATORY TREE UNDER SEPARATE APPROVED TPRP

3 NOS. OF ADDITIONAL COMPENSATORY TREES FOR REMOVAL OF 1 NO. OF DEAD TRANSPLANTED TREE (T167) UNDER SEPARATE APPROVED TPRP

UNDER SEPARATE TREE REPORT SUBMITTED TO HAB (FOR INFORMATION ONLY)

6 NOS. OF COMPENSATORY TREE FOR REMOVAL OF 4 NOS. UNDESIRABLE TREES AT THE ADDITIONAL SITE AREA NEAR EXISTING PRECISION APPROACH RADAR BUILDING

COMPENSATORY TREES UNDER CURRENT SUBMISSION

66 NOS. OF COMPENSATORY TREES FOR THE NON-EXCLUSIVE RIGHT-OF-WAY AT TGLA

FILE REF :

EMPLOYER :

CONTRACTED PARTY :

KAI TAK SPORTS PARK LIMITED

FIRST TIER SUB-CONTRACTOR - DESIGN AND BUILD :

協興工程有限公司 HIP HING ENGINEERING CO LTD

FIRST TIER SUB-CONTRACTOR - OPERATE :

SMG

KEY DESIGN PERSONNEL FOR ARCHITECTURAL WORKS

POPULOUS

ARCHITECTURAL DESIGNER / AUTHORIZED PERSON :

SKA LTD

STRUCTURAL DESIGNER / STRUCTURAL STEELWORKS DESIGNER / GEOTECHNICAL DESIGNER / RETRACTABLE ROOF SPECIALIST / BUILDING SERVICES DESIGNER / ICT DESIGNER / ACOUSTIC SPECIALIST / TRAFFIC DESIGNER / FIRE ENGINEERING SPECIALIST / FAÇADE SPECIALIST / SPECIALIST LIGHTING DESIGNER / SECURITY SYSTEM SPECIALIST / SUSTAINABILITY DESIGNER

ARUP

LANDSCAPE DESIGNER / REGISTERED LANDSCAPE ARCHITECT :

ADI

TURF EXPERT :

STRI

SPORTS DEVELOPMENT / COMMERCIAL SALES CONSULTANT :

Lagardère SPORTS

REV	DESCRIPTION	DATE
E	COMPENSATION FOR REMOVAL OF TREE FOR THE NON-EXCLUSIVE RIGHT-OF-WAY (TGLA)	12/2020
D	COMPENSATION FOR REMOVAL OF TREE AT RADAR BUILDING	12/2020
C	COMPENSATION FOR REMOVAL OF TREE AT RADAR BUILDING	12/2020
B	COMPENSATION FOR REMOVAL OF TREE AT RADAR BUILDING	05/2020
A	COMPENSATION FOR REMOVAL OF DEAD T167	03/2020

PROJECT

DESIGN, CONSTRUCTION AND OPERATION OF THE KAI TAK SPORTS PARK
CONTRACT NO. HAB/KTSP/01
PROGRAMME NO. 3272RS

SHEET TITLE

COMPENSATORY PLANTING PLAN - SUPPLEMENTARY TREE FELLING APPLICATION

COORDINATED: HOP	REVIEWED: ALL
SCALE @ A0: 1:1000	APPROVED: CCH

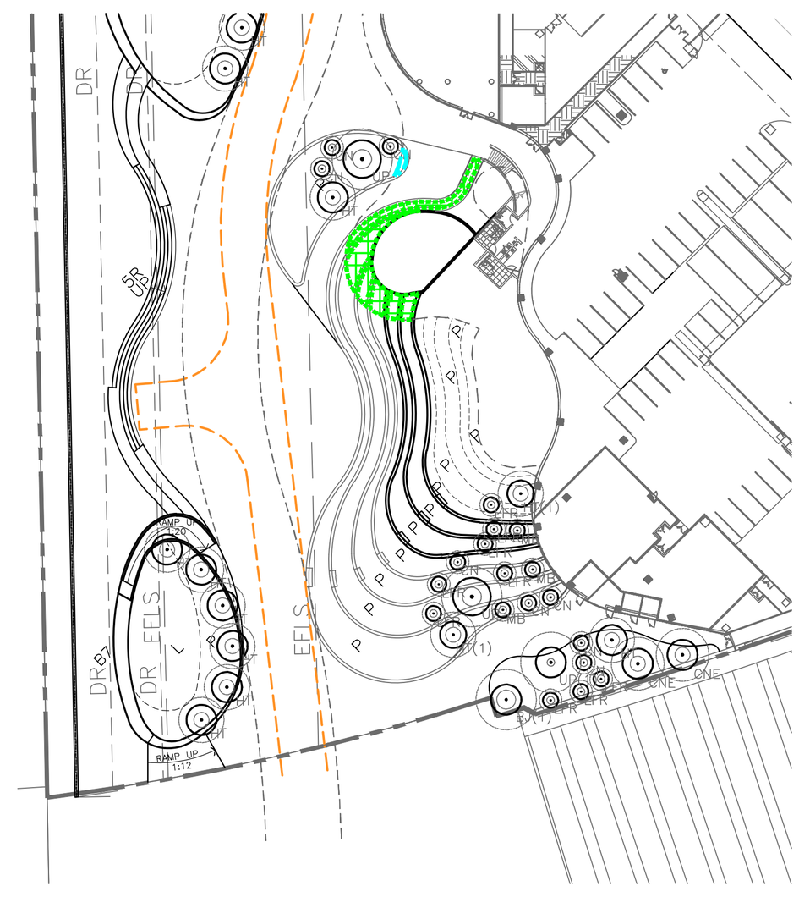
DRAWING NUMBER: KTSPL-LD-L-20- STFA-CP01 | C

LEGEND:

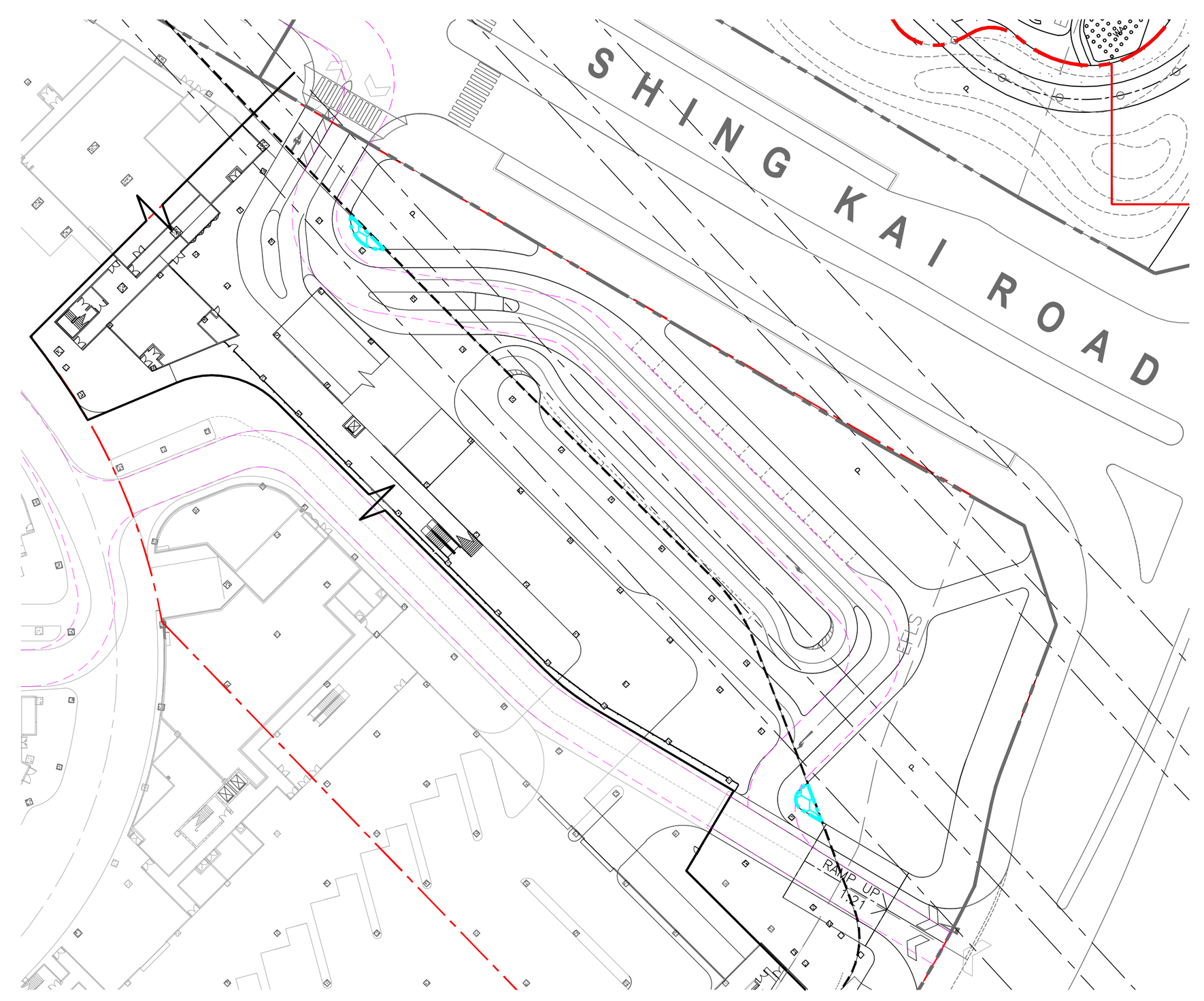
(dash line)	SITE BOUNDARY LINE
P	PLANTING AREA
WA	WATER FEATURE
H	HEDGE PLANTING
L	LAWN
F	FLUSH PLANTER
K	150mm RAISED KERB
(hatch)	SOILING DEPTH MIN. 1500mm (CLEAR SOIL DEPTH)
(hatch)	SOILING DEPTH MIN. 1200mm (CLEAR SOIL DEPTH)
(hatch)	SOILING DEPTH MIN. 600mm (CLEAR SOIL DEPTH)
(hatch)	SOILING DEPTH MIN. 300mm (CLEAR SOIL DEPTH)
(contour)	CONTOUR LINE AT 500mm INTERVALS

NOTES:

- ALL PLANTING AREA EQUIPPED WITH DRAINAGE LAYER, PLANTER DRAIN, SUB-SOIL DRAIN ETC. AS APPROPRIATE.
- ALL GREEN WALL WITH CABLE SYSTEM WITH MIN. 300mm WIDE AND 600mm DEEP SOIL MIX AS SPECIFICATION.
- PLANTERS ON STRUCTURE INCLUDE UPSTAND STRUCTURAL BEAMS WITH 600mm CLEAR SOIL DEPTH COVER FOR SHRUB PLANTING AND 1200mm SOIL DEPTH BETWEEN UPSTAND BEAMS FOR TREE PLANTING REFER TO CROSS SECTIONS.
- PLANTERS WITH 1200mm SOIL DEPTH WITHOUT TREE PLANTING ARE RESERVED FOR POTENTIAL TREE PLANTING FLEXIBILITY IN THE DETAIL DESIGN STAGE.



PART PLAN (COVERED LANDSCAPE AREA - PROMENADE AREA)
SCALE 1:1000



PART PLAN (COVERED LANDSCAPE AREA - TAXI DROP-OFF AREA)
SCALE 1:1000

FILE REF :

AIP / DDA - COMPLETED BY SO / SOR

( ) AIP CONSENT TO PROCEED WITH DETAILED DESIGN * [WITH / WITHOUT] CONDITIONS

( ) DDA IS GIVEN *[WITH / WITHOUT] CONDITIONS

* DELETE AS APPROPRIATE

FOR AND ON BEHALF OF THE SUPERVISING OFFICER

SIGN:
NAME:
POST:
DATE:

EMPLOYER : HOME AFFAIRS BUREAU The Government of The Hong Kong Special Administrative Region

CONTRACTED PARTY : KAI TAK SPORTS PARK LIMITED

FIRST TIER SUB-CONTRACTOR - DESIGN AND BUILD : 協興工程有限公司 HIP HING ENGINEERING CO LTD 新創建集團成員 Member of NWS Holdings

FIRST TIER SUB-CONTRACTOR - OPERATE : SMG

KEY DESIGN PERSONNEL FOR ARCHITECTURAL WORKS : POPULOUS

ARCHITECTURAL DESIGNER / AUTHORIZED PERSON : SKA LTD

STRUCTURAL DESIGNER / STRUCTURAL STEELWORKS DESIGNER / GEOTECHNICAL DESIGNER / RETRACTABLE ROOF SPECIALIST / BUILDING SERVICES DESIGNER / ICT DESIGNER / ACOUSTIC SPECIALIST / TRAFFIC DESIGNER / FIRE ENGINEERING SPECIALIST / FAÇADE SPECIALIST / SPECIALIST LIGHTING DESIGNER / SECURITY SYSTEM SPECIALIST / SUSTAINABILITY DESIGNER: ARUP

LANDSCAPE DESIGNER / REGISTERED LANDSCAPE ARCHITECT : ADI

TURF EXPERT : STRI

SPORTS DEVELOPMENT / COMMERCIAL SALES CONSULTANT : Lagardère SPORTS

AIP / DDA SUBMISSION - COMPLETED BY CP

ACCORDING TO THE ER: KEY DESIGN PERSONNEL FOR ARCHITECTURAL WORKS:

SIGN:
NAME: PAUL HENRY DATE:
POST: MANAGING DIRECTOR, MEMBER OF ASIA PACIFIC ACCREDITATION COOPERATION (APAC) POPULOUS LTD.

ACCORDING TO THE ER: DESIGNER FOR LANDSCAPING WORKS (LANDSCAPE DESIGNER):

SIGN:
NAME: CHRISTOPHER CHUNG DATE:
POST: PROJECT DIRECTOR, REGISTERED LANDSCAPE ARCHITECT ADI LTD.

ACCORDING TO THE ER: LANDSCAPE DESIGN CHECKER:

SIGN:
NAME: KWONG LEUNG LAM DATE:
POST: DIRECTOR, REGISTERED LANDSCAPE ARCHITECT LANDES LIMITED

CONTRACTED PARTY:

SIGN:
NAME: SIMON LEE DATE:
POST: DIRECTOR (DESIGN MANAGEMENT) KAI TAK SPORTS PARK LIMITED

REV	DESCRIPTION	DATE
A	FORMAL ISSUE AIP	JUNE 2020

PROJECT

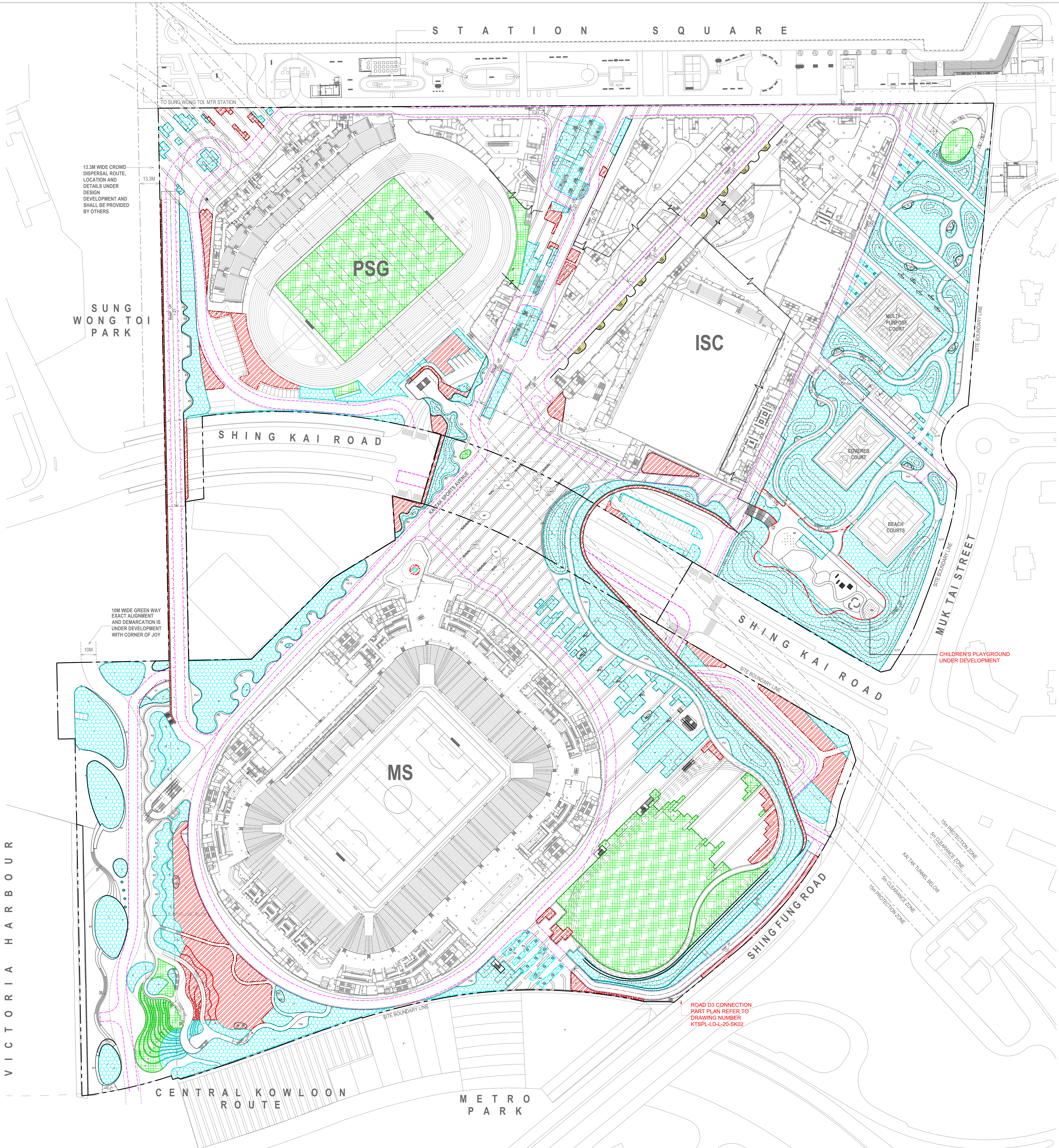
DESIGN, CONSTRUCTION AND OPERATION OF THE KAI TAK SPORTS PARK
CONTRACT NO. HAB/KTSP/01
PROGRAMME NO. 3272RS

SHEET TITLE

SOILING / TREE PLANS

COORDINATED	REVIEWED
GRJ	
SCALE @ A0	APPROVED
1:1000	

DRAWING NUMBER
KTSPL-LD-L-20-0SL01 REV. A

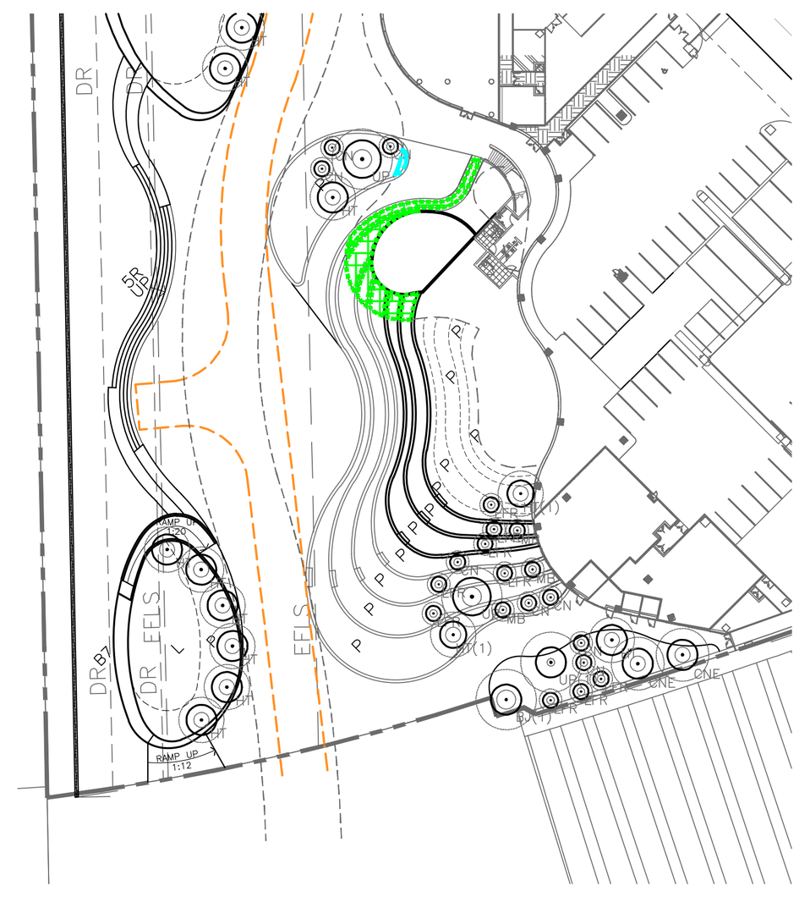


LEGEND:

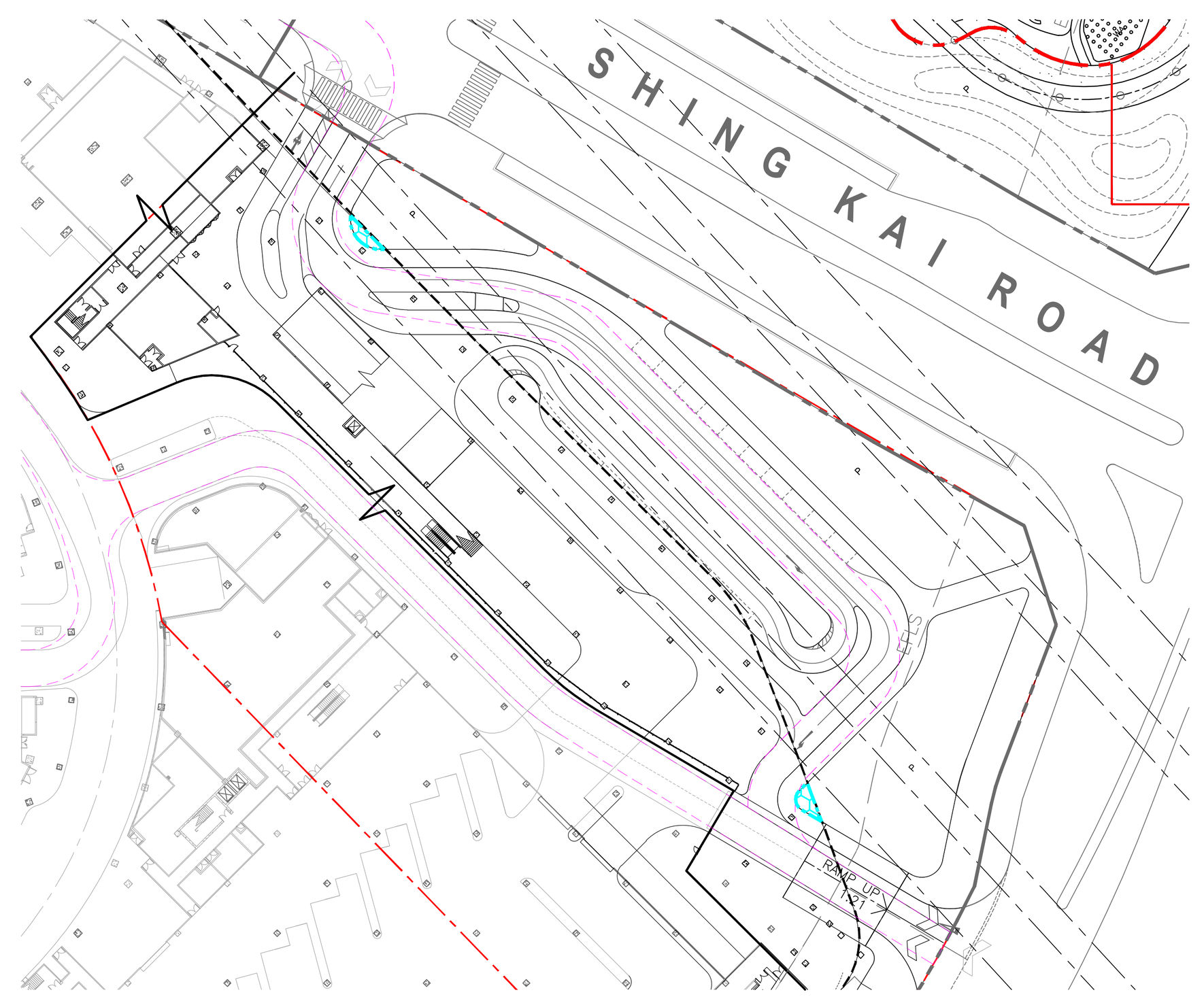
— - - —	SITE BOUNDARY LINE
P	PLANTING AREA
WA	WATER FEATURE
H	HEDGE PLANTING
L	LAWN
F	FLUSH PLANTER
K	150mm RAISED KERB
(olive cross-hatch)	SOILING DEPTH MIN. 1500mm (CLEAR SOIL DEPTH)
(cyan hexagon)	SOILING DEPTH MIN. 1200mm (CLEAR SOIL DEPTH)
(red hatch)	SOILING DEPTH MIN. 600mm (CLEAR SOIL DEPTH)
(green pattern)	SOILING DEPTH MIN. 300mm (CLEAR SOIL DEPTH)
(dashed contours)	CONTOUR LINE AT 500mm INTERVALS

NOTES:

- ALL PLANTING AREA EQUIPPED WITH DRAINAGE LAYER, PLANTER DRAIN, SUB-SOIL DRAIN ETC. AS APPROPRIATE.
- ALL GREEN WALL WITH CABLE SYSTEM WITH MIN. 300mm WIDE AND 600mm DEEP SOIL MIX AS SPECIFICATION.
- PLANTERS ON STRUCTURE INCLUDE UPSTAND STRUCTURAL BEAMS WITH 600mm CLEAR SOIL DEPTH COVER FOR SHRUB PLANTING AND 1200mm SOIL DEPTH BETWEEN UPSTAND BEAMS FOR TREE PLANTING REFER TO CROSS SECTIONS.
- PLANTERS WITH 1200mm SOIL DEPTH WITHOUT TREE PLANTING ARE RESERVED FOR POTENTIAL TREE PLANTING FLEXIBILITY IN THE DETAIL DESIGN STAGE.



A PART PLAN (COVERED LANDSCAPE AREA - PROMENADE AREA)
SCALE 1:1000



B PART PLAN (COVERED LANDSCAPE AREA - TAXI DROP-OFF AREA)
SCALE 1:1000

FILE REF :

AIP / DDA - COMPLETED BY SO / SOR

( ) AIP CONSENT TO PROCEED WITH DETAILED DESIGN *[WITH / WITHOUT] CONDITIONS

( ) DDA IS GIVEN *[WITH / WITHOUT] CONDITIONS

* DELETE AS APPROPRIATE

FOR AND ON BEHALF OF THE SUPERVISING OFFICER

SIGN:
NAME:
POST:
DATE:

EMPLOYER : HOME AFFAIRS BUREAU The Government of The Hong Kong Special Administrative Region

CONTRACTED PARTY :

KAI TAK SPORTS PARK LIMITED

FIRST TIER SUB-CONTRACTOR - DESIGN AND BUILD : 協興工程有限公司 HIP HING ENGINEERING CO LTD 新創建集團成員 Member of NWS Holdings

FIRST TIER SUB-CONTRACTOR - OPERATE : SMG

KEY DESIGN PERSONNEL FOR ARCHITECTURAL WORKS: POPULOUS

ARCHITECTURAL DESIGNER / AUTHORIZED PERSON : SKA LTD

STRUCTURAL DESIGNER / STRUCTURAL STEELWORKS DESIGNER / GEOTECHNICAL DESIGNER / RETRACTABLE ROOF SPECIALIST / BUILDING SERVICES DESIGNER / ICT DESIGNER / ACOUSTIC SPECIALIST / TRAFFIC DESIGNER / FIRE ENGINEERING SPECIALIST / FAÇADE SPECIALIST / SPECIALIST LIGHTING DESIGNER / SECURITY SYSTEM SPECIALIST / SUSTAINABILITY DESIGNER: ARUP

LANDSCAPE DESIGNER / REGISTERED LANDSCAPE ARCHITECT : ADI

TURF EXPERT : STRI

SPORTS DEVELOPMENT / COMMERCIAL SALES CONSULTANT : Lagardère SPORTS

AIP / DDA SUBMISSION - COMPLETED BY CP

ACCORDING TO THE ER: KEY DESIGN PERSONNEL FOR ARCHITECTURAL WORKS:

SIGN:
NAME: PAUL HENRY DATE:
POST: MANAGING DIRECTOR, MEMBER OF ASIA PACIFIC ACCREDITATION COOPERATION (APAC) POPULOUS LTD.

ACCORDING TO THE ER: DESIGNER FOR LANDSCAPING WORKS (LANDSCAPE DESIGNER):

SIGN:
NAME: CHRISTOPHER CHUNG DATE:
POST: PROJECT DIRECTOR, REGISTERED LANDSCAPE ARCHITECT ADI LTD.

ACCORDING TO THE ER: LANDSCAPE DESIGN CHECKER:

SIGN:
NAME: KWONG LEUNG LAM DATE:
POST: DIRECTOR, REGISTERED LANDSCAPE ARCHITECT LANDES LIMITED

CONTRACTED PARTY:

SIGN:
NAME: SIMON LEE DATE:
POST: DIRECTOR (DESIGN MANAGEMENT) KAI TAK SPORTS PARK LIMITED

REV	DESCRIPTION	DATE
A	FORMAL ISSUE AIP	JUNE 2020

PROJECT

DESIGN, CONSTRUCTION AND OPERATION OF THE KAI TAK SPORTS PARK
CONTRACT NO. HAB/KTSP/01
PROGRAMME NO. 3272RS

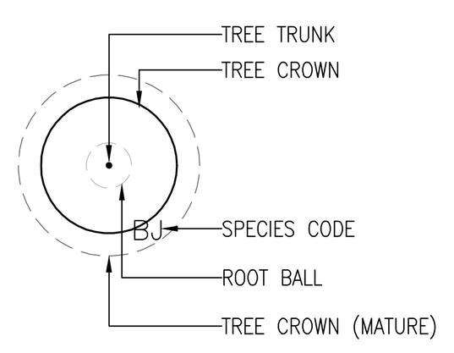
SHEET TITLE

SOILING PLANS

COORDINATED: GRJ
REVIEWED:
SCALE @ A0: 1:1000
APPROVED:
DRAWING NUMBER: KTSPL-LD-L-20-0600
REV. A

LEGEND:

— — —	SITE BOUNDARY LINE
P	PLANTING AREA
WA	WATER FEATURE
H	HEDGE PLANTING
L	LAWN
F	FLUSH PLANTER
K	150mm RAISED KERB



PROPOSED TREES

NOTES:

- ALL PLANTING AREA EQUIPPED WITH DRAINAGE LAYER, PLANTER DRAIN, SUB-SOIL DRAIN ETC. AS APPROPRIATE.
- ALL GREEN WALL WITH CABLE SYSTEM WITH MIN. 300mm WIDE AND 600mm DEEP SOIL MIX AS SPECIFICATION.
- PLANTERS ON STRUCTURE INCLUDE UPSTAND STRUCTURAL BEAMS WITH 600mm CLEAR SOIL DEPTH COVER FOR SHRUB PLANTING AND 1200mm SOIL DEPTH BETWEEN UPSTAND BEAMS FOR TREE PLANTING REFER TO CROSS SECTIONS.
- PLANTERS WITH 1200mm SOIL DEPTH WITHOUT TREE PLANTING ARE RESERVED FOR POTENTIAL TREE PLANTING FLEXIBILITY IN THE DETAIL DESIGN STAGE.

FILE REF :

AIP / DDA - COMPLETED BY SO / SOR

( ) AIP CONSENT TO PROCEED WITH DETAILED DESIGN *[WITH / WITHOUT] CONDITIONS

( ) DDA IS GIVEN *[WITH / WITHOUT] CONDITIONS

* DELETE AS APPROPRIATE

FOR AND ON BEHALF OF THE SUPERVISING OFFICER

SIGN:

NAME:

POST:

DATE:

EMPLOYER : HOME AFFAIRS BUREAU The Government of The Hong Kong Special Administrative Region

CONTRACTED PARTY : KAI TAK SPORTS PARK LIMITED

FIRST TIER SUB-CONTRACTOR - DESIGN AND BUILD : 協興工程有限公司 HIP HING ENGINEERING CO LTD 新創建集團成員 Member of NWS Holdings

FIRST TIER SUB-CONTRACTOR - OPERATE : SMG

KEY DESIGN PERSONNEL FOR ARCHITECTURAL WORKS : POPULOUS

ARCHITECTURAL DESIGNER / AUTHORIZED PERSON : SKA LTD

STRUCTURAL DESIGNER / STRUCTURAL STEELWORKS DESIGNER / GEOTECHNICAL DESIGNER / RETRACTABLE ROOF SPECIALIST / BUILDING SERVICES DESIGNER / ICT DESIGNER / ACOUSTIC SPECIALIST / TRAFFIC DESIGNER / FIRE ENGINEERING SPECIALIST / FAÇADE SPECIALIST / SPECIALIST LIGHTING DESIGNER / SECURITY SYSTEM SPECIALIST / SUSTAINABILITY DESIGNER: ARUP

LANDSCAPE DESIGNER / REGISTERED LANDSCAPE ARCHITECT : ADI

TURF EXPERT : STRI

SPORTS DEVELOPMENT / COMMERCIAL SALES CONSULTANT : Lagardère SPORTS

AIP / DDA SUBMISSION - COMPLETED BY CP

ACCORDING TO THE ER: KEY DESIGN PERSONNEL FOR ARCHITECTURAL WORKS:

SIGN:

NAME: PAUL HENRY DATE:

POST: MANAGING DIRECTOR, MEMBER OF ASIA PACIFIC ACCREDITATION COOPERATION (APAC) POPULOUS LTD.

ACCORDING TO THE ER: DESIGNER FOR LANDSCAPING WORKS (LANDSCAPE DESIGNER):

SIGN:

NAME: CHRISTOPHER CHUNG DATE:

POST: PROJECT DIRECTOR, REGISTERED LANDSCAPE ARCHITECT ADI LTD.

ACCORDING TO THE ER: LANDSCAPE DESIGN CHECKER:

SIGN:

NAME: KWONG LEUNG LAM DATE:

POST: DIRECTOR, REGISTERED LANDSCAPE ARCHITECT LANDES LIMITED

CONTRACTED PARTY:

SIGN:

NAME: SIMON LEE DATE:

POST: DIRECTOR (DESIGN MANAGEMENT) KAI TAK SPORTS PARK LIMITED

REV	DESCRIPTION	DATE
A	FORMAL ISSUE AIP	JUNE 2020

PROJECT

DESIGN, CONSTRUCTION AND OPERATION OF THE KAI TAK SPORTS PARK
CONTRACT NO. HAB/KTSP/01
PROGRAMME NO. 3272RS

SHEET TITLE

TREE PLAN

COORDINATED GRJ	REVIEWED
SCALE @ A0 1:1000	APPROVED
DRAWING NUMBER KTSPL-LD-L-20-0300	REV. A

Appendix D

Typical Details of Security Floodlights for Construction Site

ID NO.	Landscape / Visual Mitigation Measure
CM1	Controlled Night-Time Lighting

)

RHYNE Floodlight
Anti-Glare Shield

The RHYNE Floodlight Anti-Glare Shield is designed for minimizing light pollution and disturbance in sensitive environments. It can be used on signage, flagpoles around tall buildings, or residential areas.

Available to suit the complete RHYNE Floodlight Range. Can be retrofitted to existing applications.

SPECIFICATIONS

Material Specifications

Material	Steel
Finish	Anti-Corrosive Powder Coat, Black
Dimensions	150mm Flaps
Ingress Protection	IP66
Impact Rating	IK10
Warranty	5 Year Replacement
Weight	1kg

Mounting

Beam Angle	Adjustable
Mounting	Attaches to RHYNE Floodlight Series
Application	Flagpoles, Residential Areas

VARIATIONS

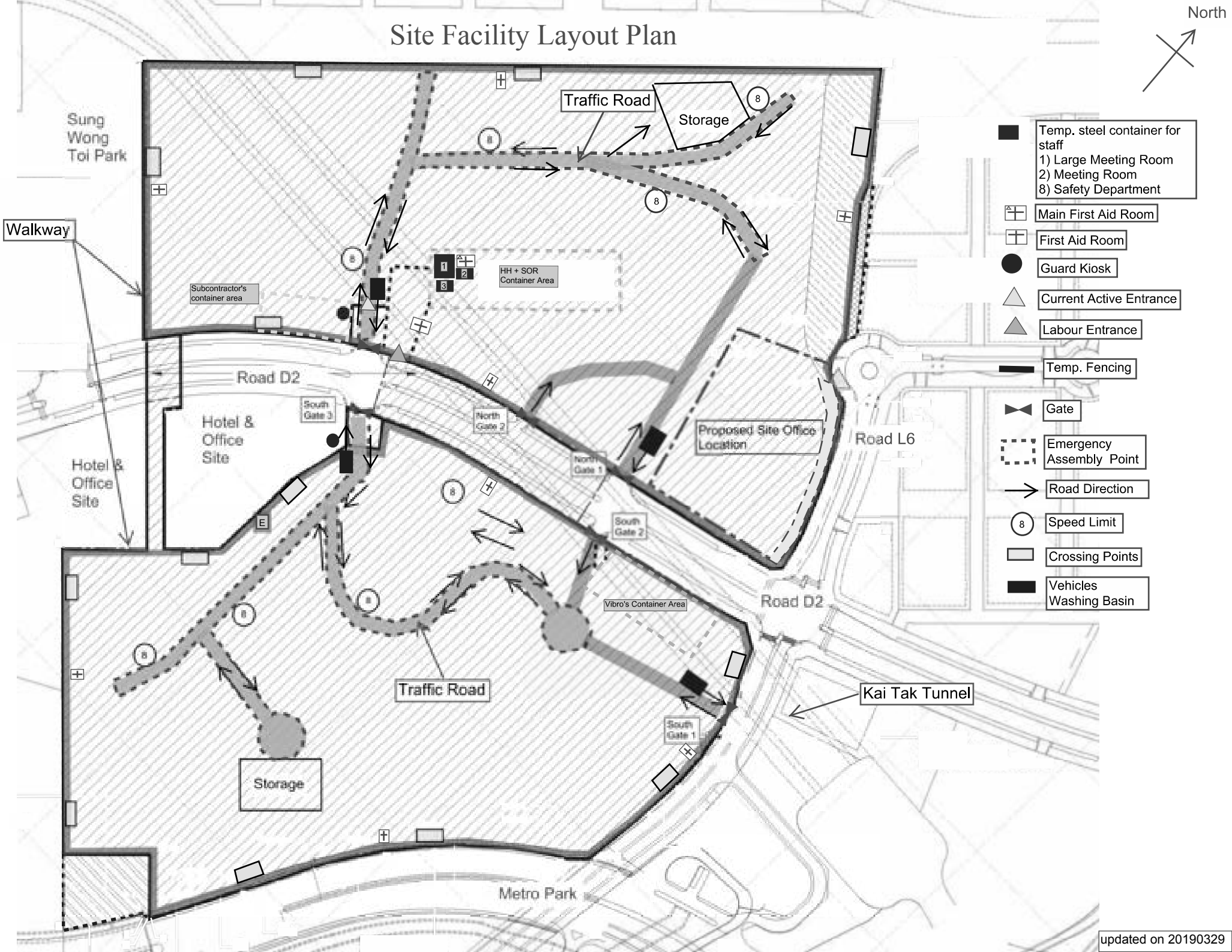
LC2380	RHYNE Anti-Glare Shield to suit 24W Floodlight
LC2381	RHYNE Anti-Glare Shield to suit 50W Floodlight
LC2382	RHYNE Anti-Glare Shield to suit 70W Floodlight
LC2383	RHYNE Anti-Glare Shield to suit 120W/200W Floodlight

CE E582

1300 827 284
sales@decrolux.com

E582

Site Facility Layout Plan



updated on 20190329

Appendix E

Typical Details of Temporary Landscape Treatment

ID NO.	Landscape / Visual Mitigation Measure
CM2	Temporary Landscape Treatments

)

ABC.R/F ROOF PLAN

Pest-proof covers installed to outer sides of pot modules

WeT
蝵嬛菊 Wedelia trilobata
(100-120H x 180SP) 16,866 nos.

ArD
金花生 Aranchis duranensis (120H x 180SP) 2,700 nos.

LEGEND:

- 1100mm HIGH RAILING 栏杆
- SKYLIGHT 天窗
- GLASS HOUSE 玻璃屋
- Green Area 草地
- STAIRCASE 楼梯
- GUTTER 天面水槽
- RWO 去水口 (150 DIA UPVC RAIN WATER OUTLET)

FILE REF :

DO NOT SCALE DRAWING, CHECK ALL MEASUREMENT ON SITE.
ALL RIGHTS RESERVED.

REFERENCE MAP:

EMPLOYER :
HOME AFFAIRS BUREAU
The Government of The Hong Kong Special Administrative Region

CONTRACTED PARTY :
KAI TAK SPORTS PARK LIMITED

FIRST TIER SUB-CONTRACTOR - DESIGN AND BUILD :

FIRST TIER SUB-CONTRACTOR - OPERATE :

KEY DESIGN PERSONNEL FOR ARCHITECTURAL WORKS :
POPULOUS

ARCHITECTURAL DESIGNER / AUTHORISED PERSON :
SKA

STRUCTURAL DESIGNER / STRUCTURAL STEEL WORKS DESIGNER / GEOTECHNICAL DESIGNER / RETRACTABLE ROOF SPECIALIST / BUILDING SERVICES DESIGNER / ICT DESIGNER / ACOUSTIC SPECIALIST / TRAFFIC DESIGNER / FIRE ENGINEERING SPECIALIST / FAÇADE SPECIALIST / SPECIALIST LIGHTING DESIGNER / SECURITY SYSTEM SPECIALIST / SUSTAINABILITY DESIGNER :
ARUP

LANDSCAPE DESIGNER / REGISTERED LANDSCAPE ARCHITECT :
ADI

TURF EXPERT :
STRI

SPORTS DEVELOPMENT / COMMERCIAL SALES CONSULTANT :

FITTING-OUT SUB-CONTRACTOR:

SHOP DRAWING (FOR RECORD) - SUBMISSION - COMPLETED BY CP

ACCORDING TO THE ER KEY DESIGNPERSONNEL FOR ARCHITECTURAL WORKS:
SIGN:
NAME: PAUL HENRY DATE:
POST: MANAGING DIRECTOR
POPULOUS LTD.

ACCORDING TO THE ER DESIGNER FOR ARCHITECTURAL WORKS (SPORTS) (ARCHITECTURAL DESIGNER):
SIGN:
NAME: SIMON S.K. KWAN DATE:
POST: REGISTERED ARCHITECT, AUTHORIZED PERSON
SIMON KWAN & ASSOCIATES LTD.

ACCORDING TO THE ER DESIGNER FOR ARCHITECTURAL WORKS (METAL) (METAL DESIGNER):
SIGN:
NAME: KENNETH C.Y. KAN DATE:
POST: REGISTERED ARCHITECT, AUTHORIZED PERSON
SIMON KWAN & ASSOCIATES LTD.

ACCORDING TO THE ER ARCHITECTURAL DESIGNER (DESIGN):
SIGN:
NAME: CHI KWAI LEUNG DATE:
CIPRS
POST: REGISTERED ARCHITECT, AUTHORIZED PERSON
P&T ARCHITECTS AND ENGINEERS LIMITED

CONTRACTED PARTY:
SIGN:
NAME: SIMON LEE DATE:
POST: DIRECTOR (DESIGN MANAGEMENT)
KAI TAK SPORTS PARK LIMITED

REV	DESCRIPTION	DATE
0	Issued for Comment	07.05.2019
A	Revised for Comment.	28.05.2019
B	Revised for Comment	03.06.2019
C	Door Size & Orientation had been revised	04.07.2019
D	Revised Green Roof Layout as per HAB comment	24.12.2019
E	Revised Green Roof Layout	20.10.2020
F	Revised Green Roof Layout	27.12.2020

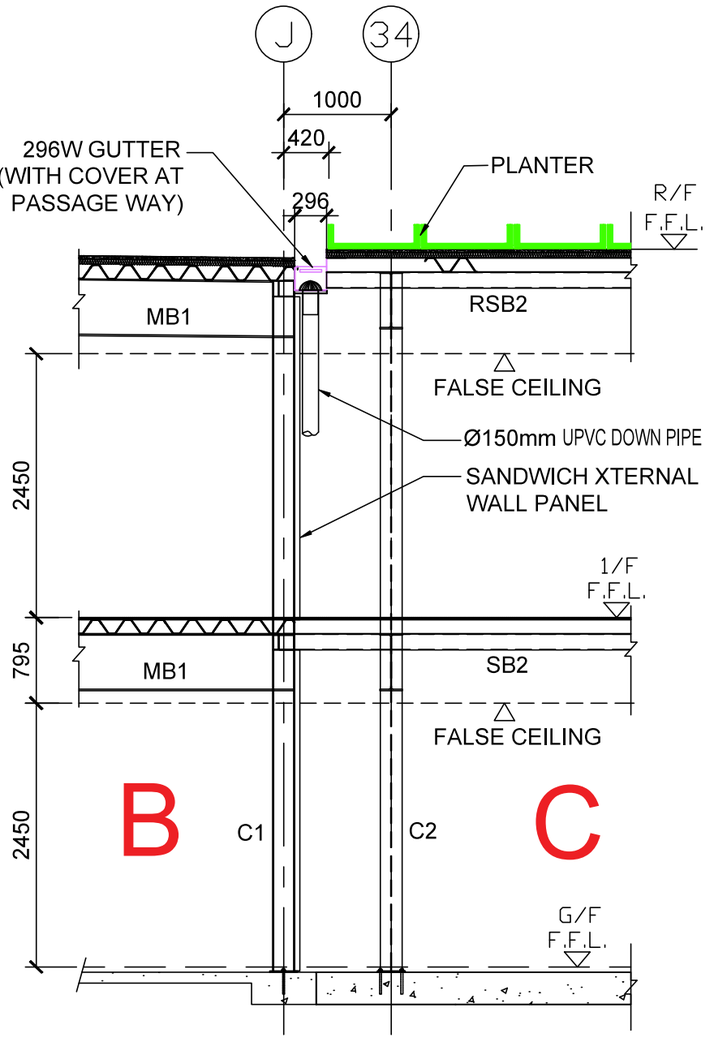
PROJECT
DESIGN, CONSTRUCTION AND OPERATION OF THE KAI TAK SPORTS PARK
CONTRACT NO. HAB/KTSP/01
PROGRAMME NO. 3272RS

SHEET TITLE
ROOF PLAN, BLOCK A, B & C

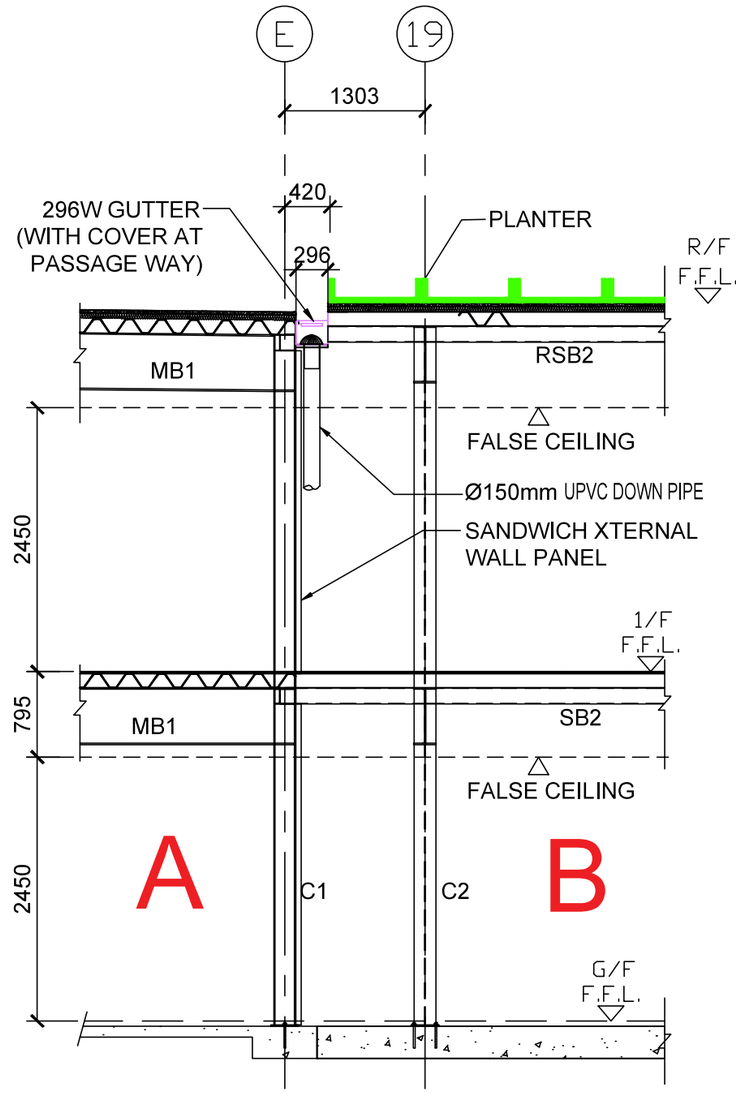
COORDINATED	REVIEWED
B,C	B,C
SCALE @ A0	APPROVED
NTS	-
DRAWING NUMBER	REVISION
T9039/A/016	F

ABC.R/F ROOF PLAN

Planter

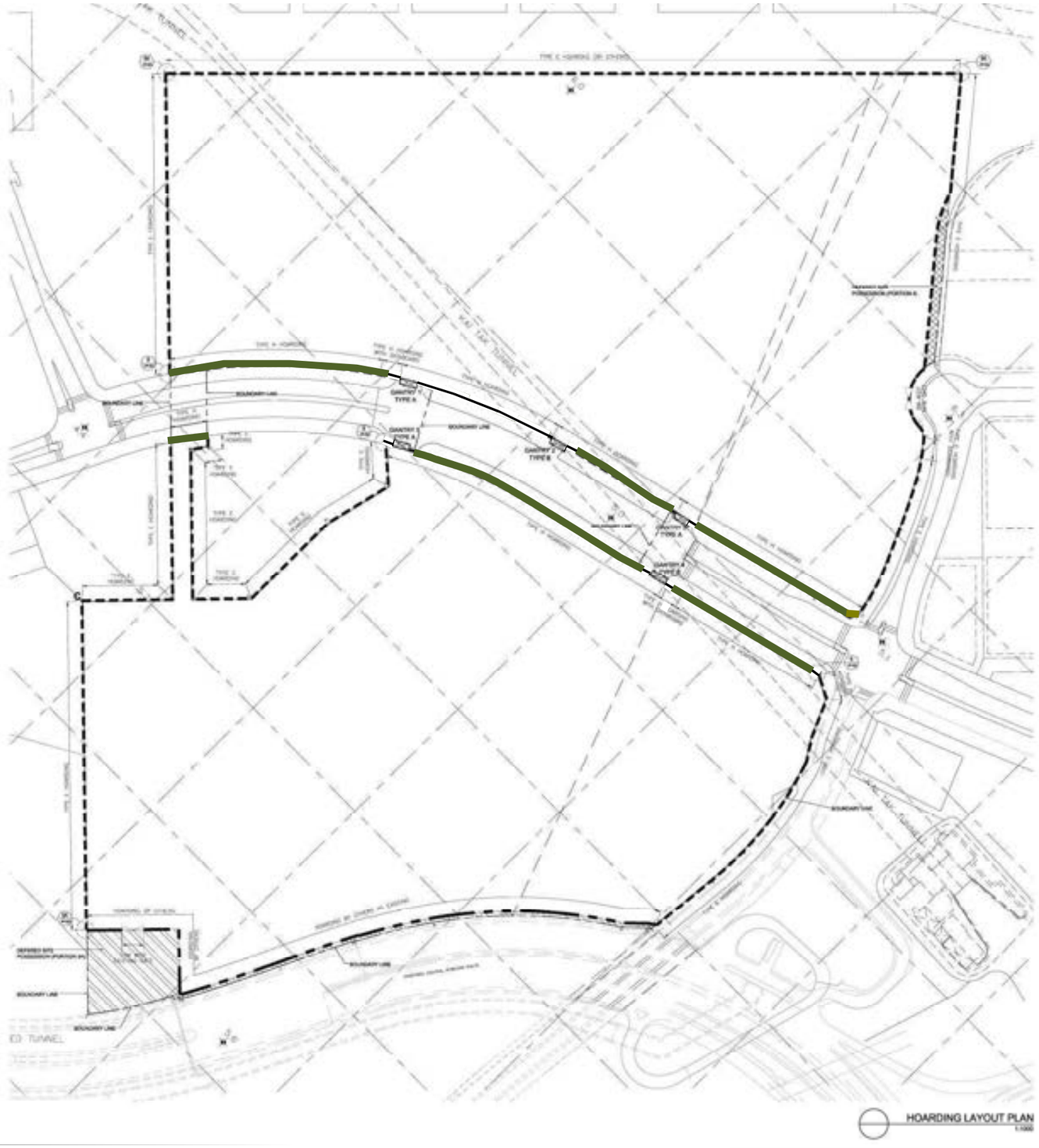


SECTION A-A



SECTION B-B

ABC.SECTION



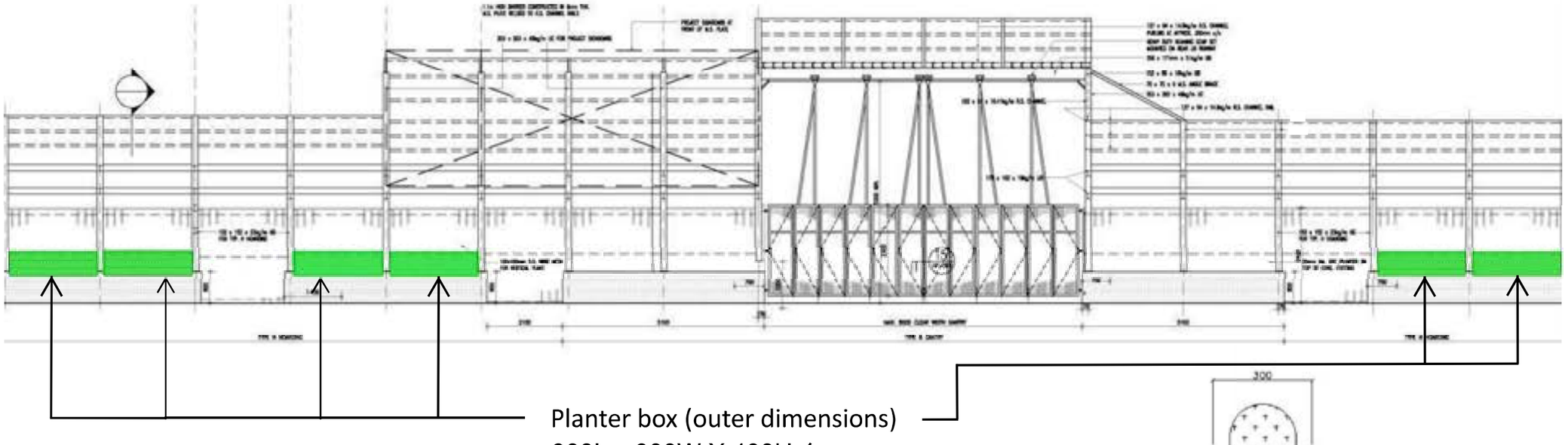
Proposed Green Features for Hoarding/ Covered Walkway Along Shing Kai Road

Legend

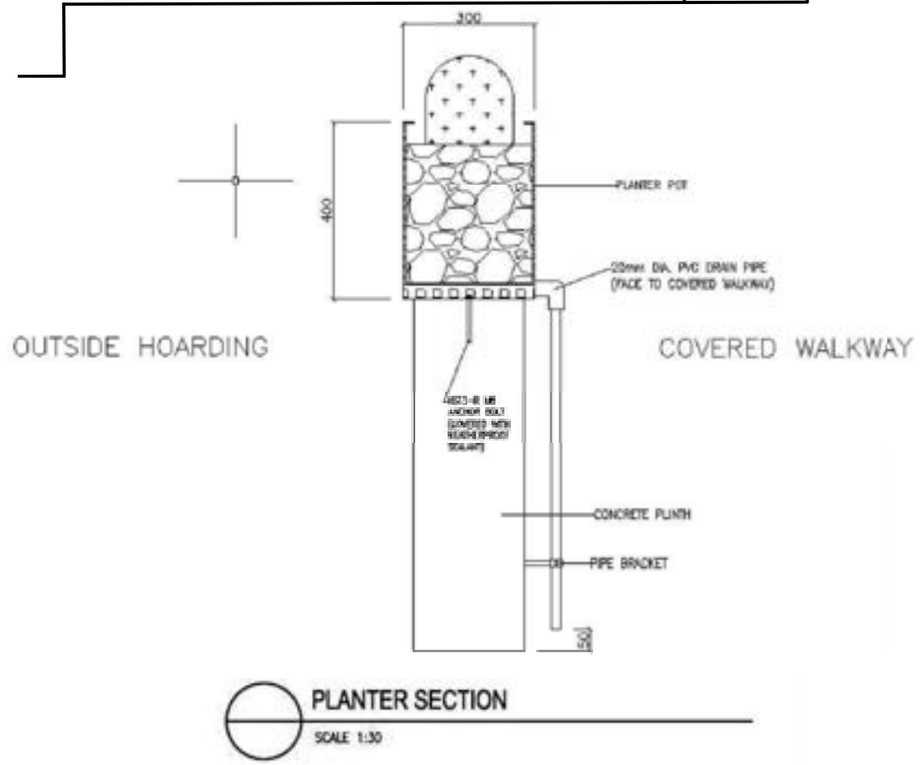
Green Features on Shing Kai Rd's covered walkway
(except Gantry zone- see Typical Section)

Planter Box Elevation (with Gantry) & Section

LEGEND	
CM2	Temporary Landscape Treatment



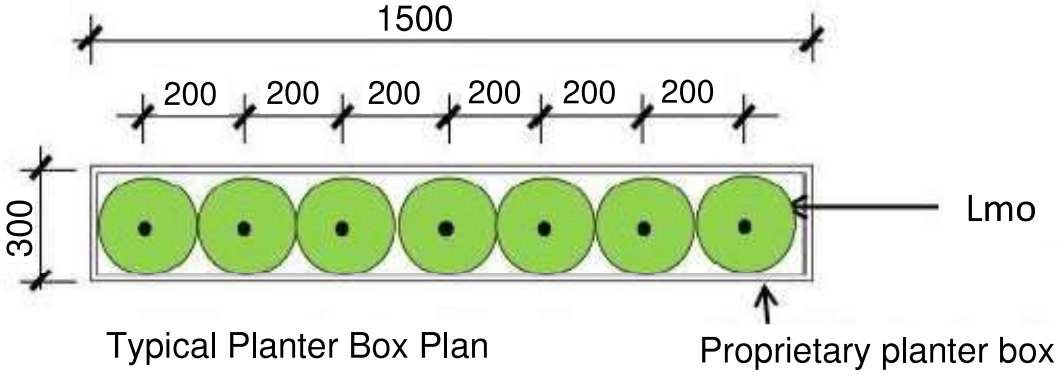
Planter box (outer dimensions)
900L x 300W X 400H／
1100L x 300W X 400H／
1500L x 300W X 400H



Proposed Plant List for Site Hoarding

Code	Botanical Name	Chinese Name	Size (H x SP mm)	Spacing (mm)	Soil Depth (mm)
Lmo	*Lantana montevidensis (Purple)*	小葉馬纓丹 (紫花)	200mm x 200mm	200mm	Min. 300mm

Lmo (close up image)



Typical Planter Box Plan

Proprietary planter box

Appendix F

Detailed Planting and Landscape Design Plan

ID NO.	Landscape / Visual Mitigation Measure
OM1	Greening of Walkways, Ramps and Decks
OM2	Green Roofs and Vertical Greening
OM3	Compensatory Tree Planting
OM4	Responsive Building Design
OM5	Integration of Development Boundaries
OM6	Integration with Dining Cove and Harbourfront Promenade
OM7	Light Penetration Under Deck
OM8	Neighbourhood Park
OM9	Bespoke Amenity Area Lighting

KAI TAK SPORTS PARK

DETAILED PLANTING AND LANDSCAPE DESIGN PLAN

November 2021

Contents

Annexes

Contents

Contents

1. Introduction

1.0 Introduction

1.1 The Kai Tak Sports Park (KTSP) is situated in the North Apron Area of the Kai Tak Development site. The site area is about 28 hectares. The location of site is surrounded by a few major transport links, including the proposed Shatin to Central Link (SCL) tunnel to the north, Central Kowloon Route (CKR) to the south and the possible provision of environmentally friendly linkage system (EFLS) to the east/west (i.e. two alignment options are being studied).

1.2 KTSP comprises a Main Stadium (MS), a Public Sports Ground (PSG), an Indoor Sports Centre (ISC), and other ancillary/supporting facilities such as car parks, retail, food and beverage outlets, an office building and a hotel as shown in **Figure 1** below. The Hotel and Office originally under the project were excluded and are now under private development to be submitted separately.

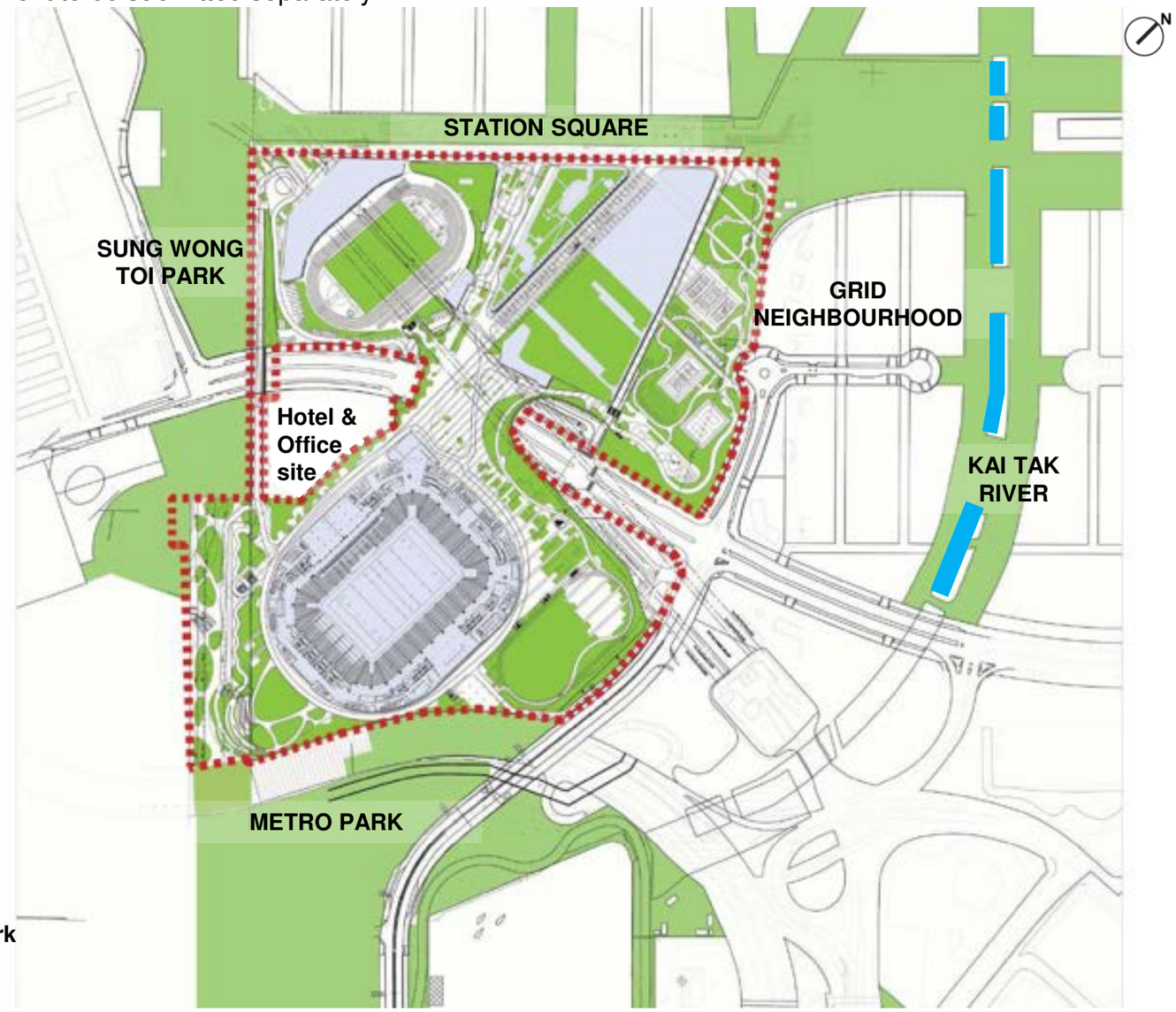


Figure 1 - Site Context of KTSP

Scale 1:8000@A3

1. Introduction

1.0 Introduction (Continued)

1.3 KTSP's vision will allow it to become a vibrant and world leading location for hosting a wide range of local, regional and international events, while also creating a new hub for sports and events for the surrounding communities, forming a fundamental part of the social fabric of Hong Kong. A broad ranging community consultation process has also informed many aspects of the design, creating a sports park that will be integrated into the lifestyles of the Kowloon Bay community.

1.4 The master planning enables the vision of a stadium in the park by providing a large landscaped park for the community to enjoy. The design concept makes reference to the areas natural and cultural heritage, celebrating the sites connection from inland to the coastal edge through the creation of the Kai Tak Sports Avenue, which links the heart of Kowloon Bay with Victoria Harbour. These links not only connect the neighbourhoods around the site, but are also key to the integration of KTSP itself. Across the precinct there are three important journeys created, the Sports Avenue, Au-Tak Path and the Runway 31, each playing their own important role in establishing a range of user experiences, connecting the site and celebrating sport and activity along their length. The parkland unifies the entire development and provides the setting within which the building design of the sports venues sits. KTSP also forms part of the overall Kai Tak development area public open space network; enhancing the neighbourhood through the provision of extensive greenery including no less than 1065 trees.

1.5 In addition, KTSP will be designed to achieve the following objectives:

1.5.1 To mitigate the loss of landscape resources and enhance visual amenity of the site
1.5.2 To enhance urban ecology/biodiversity
1.5.3 Integration with adjacent development and open spaces
1.5.4 To strive a balance between various functions of the park
1.5.5 To create a large landscape park for the community to enjoy
1.5.6 To promote walkability and enhance connectivity
1.5.7 To activate the Harbourfront and appreciate the view of Victoria Harbour

1.6 The buildings within KTSP each hold important and varying roles within the operations of the park. They represent a unique identity and character while together reading as one family of buildings, complimentary of each other yet each uniquely identifiable. The Main Stadium in the south celebrates Hong Kong as the 'pearl of the orient' striking a classic and elegant silhouette as an object within a parkland setting. The north of the site takes on a character that connects with its urban environment. The Indoor Sports Centre melds with the surrounding city grid, responding to the connectivity, scale and materiality of the city around it, while also creating vibrant edges of activity. The Public Sports Ground opens itself up to the activities in front of it, while also creating a bold entry point to the entire Kai Tak Sports Park and linking into the landscaped spaces of the adjoining Sung Wong Toi Park. Its striking roof form creates a sense of uplift, referencing the aviation history of the Kai Tak site. The Wellness Centre's prominent position against the Main Plaza, at the heart of the site, makes it a beacon for health, well-being and athleticism. Its bold form and striking position celebrating the athlete development within.

1.7 As stipulated in the Conditions 2.12 and 2.15 of the EP, the Permit Holder shall, no later than one month before the commencement of the construction of the Project or otherwise approved by the Director, submit a LVMP to the Director for approval. The Permit Holder shall submit the LVMP as certified by the Environmental Team (ET) Leader and verified by the Independent Environmental Checker (IEC) to the Advisory Council on Environment (ACE) for comment prior to the submission to the Director for approval. To allow sufficient time for consultation and incorporation of the ACE's comments in the LVMP, the Director's approval has been obtained to revise the submission deadline of the LVMP to "no later than 31 December 2019 or one month before occurrence of relevant potential impacts whichever is earlier.

2. Submission of Landscape and Planting Proposal

2.0 SUBMISSION OF LANDSCAPE AND PLANTING PROPOSAL

2.1 In response to the Conditions of Approval under Section 8(3) of the EIA Ordinances requires that the project proponent shall devise a detailed planting and landscape design plan with clear objectives for, but not limited to, the purpose of amenity or enhancement of urban ecology / biodiversity. The Plan should be provided to the ACE for comments prior to submission to the DEP for approval before commencement of construction works.

2.2 As such, the key objectives of the Landscape and Planting Proposal and the relevant implementation strategies are summarize as below. Details shall be referred to in ***Annex A and Annex B.***

3. Objectives and Implementation Strategies

3.0 **Objectives and Implementation Strategies:**

3.1 ***Objective 1 - To Mitigate the Loss of Landscape Resources and Enhance Visual Amenity of the Site***

3.1.1 The existing site is mainly complied of vacant land or construction sites, 247 trees are surveyed on Site. They are mainly self-seed weed trees and coastal trees species of fair to low amenity value. Approval of the Tree Preservation and Removal Proposal (TPRP) on tree felling, transplantation and retention had been obtained in accordance with DEVB TCW No. 7/2015. A summary of the TRRP including quantity of compensatory trees to meet compensation ratio of not less than 1:1 in terms of both quantity and quality is provided in ***Table A1*** of ***Figure A1.***

3.1.2 No less than 1065 new trees of min. 100mm DBH planting will be planted within the project site to enhance the amenity and urban ecology/biodiversity, which is in excess to the requirement of compensatory tree planting. The ***Tree Planting Proposal*** is shown in ***Figure A1*** .

3.1.3 Open space with planting areas will be provided with significant depths of imported fabricated soil to ensure sustainable growth of different types of plants as shown in ***Figure A2 and Figure A3 - Soiling Plans*** for ground /podium level and roof floor. Green roofs and vertical greening will be provided to built structures where feasible (refer to ***Figure A4 and Figure A5***).

3.1.4 Site Coverage of Greenery for the proposed scheme will comply with the standard requirements of the Kai Tak Development Area, i.e. minimum 30% overall site coverage of greenery and minimum 20% at grade greenery and minimum 20% of the overall roof areas to be provided with greenery (refer to summary in ***Table A2*** of ***Figure A6, and Figure A6.1***). With total site area approx. 28 ha, the total greenery areas provided is not less than approx. 84,000m².

3. Objectives and Implementation Strategies:

3.2 ***Objective 2 - To Enhance Urban Ecology/Biodiversity***

3.2.1 Prior to site possession, the Site has been mainly composed of construction sites and abandoned area within an urban setting. With reference to the previously approved EIA report, no site of conservation importance was identified in the Study Area. The Site covers more than 28 ha. and include no less than 10 ha. open space (comprised of approx. 8.4ha greenery and approx.1.6ha hard paving) including approx. 8.4 ha of greenery coverage, together with other public open space in the Kai Tak Development, this project intends to enhance the ecological benefit within the development Site as well as establishing movement of wildlife from inland to the sea the site boundary expanded to include the Harbourfront Promenade, i.e. connection with the water body (Victoria Harbour) whereas planting areas run from the Neighborhood Park connected with the Station Square and Grid Neighborhood, across that Main Plaza on either sides of the building and connected with the Harbourfront Promenade.

3.2.2 Being located within the core of the Kai Tak Development Area surrounded by residential development (except the portion of the water promenade) with a relatively urban setting, site planning and the open space design of the KTSP intends to enhance urban ecology/biodiversity. Reference has been made to various government design guidelines including Street Tree Selection Guide from Greening, Landscape and Tree Management Section of the Development Bureau, Hong Kong Biodiversity Strategy and Action Plan 2016-2021 from Environment Bureau and Beam Plus regarding Urban Ecology/Biodiversity Enhancement on the landscape and planting design with an aim to create a variety of landscape spaces being potential habitats to support the development of local urban ecology and enhancement of biodiversity within the Kai Tak Area with the following strategies and in reference to ***Figure A7 - Strategies to Enhance Urban Ecology/Biodiversity*** :

3.2.2.1 Maximize greenery areas and to create physical connectivity of new planting areas (green corridors) within the development as well as adjoining neighbourhood to maximize wildlife habitation (such as birds and butterflies) within the District:

a. Maximization of vegetation cover and tree canopies shall improve the local microclimate and provide favourable environment for the wildlife habitation. The KTSP shall achieve overall not less than 30% site coverage of greenery and key landscaped areas, the Neighbhourhood Park and Event Village provide more than 40% site coverage of greenery;

b. Within the Precinct, key landscaped areas with lush greenery runs along the eastern side of the Site, i.e. the Neighbourhood Park and Event Village. The extensive planting areas shall allow opportunity to accommodate different landscape settings including undulating landform, mix planting of trees and shrubs planting to create a woodland environment and open lawn with mix of shrubs/grass species around. Despite the park is bisected by the Shing Kai Road, edge planting along the podium deck of ISC shall extend across both sides of the Main Plaza and connect with planting areas of the Event Village and Harbourfront promenade, ensuring connection of the greenery areas and wildlife habitat that are supported by the proposed planting.

3.2.2.2 Adopt Complementary Vegetation Community Mix planting approach and creation of different landscape setting

a. Planting design including 3 layers of planting, trees (with small trees interspersed between medium and large ones), shrubs and groundcover to mimic the structure of a natural woodland to provide habitat for various wildlife, e.g. mix tree planting in group along edges of Neighbourhood Park (NP), Event Village and Corners of Joy whereas the proposed undulating soil mounding shall further enhance diversity of the living environment of the wildlife, refer to ***Figure A7***;

b. Planting of individual feature trees at edge of lawn area (e.g. NP) and planters along the Sports Avenue and under-storey mix planting and tall ornamental grass species (e.g. at Walk of Fame) shall provide other types of living environment for the wildlife;

3.2.2.3 Planting matrix to provide a year round habitation and food source to wildlife;

3. Objectives and Implementation Strategies:

3.2 ***Objective 2 - To Enhance Urban Ecology/Biodiversity (Continued)***

3.2.2.4 Adopt diversified elevated landscapes such as extensive green roofs and vertical greening to enable ecological linkages between various levels of the development;

3.2.2.5 Planting palette with low maintenance approach for buffer planting areas and inaccessible roofs to minimize disturbance to any established wildlife habitat. ***Figure A7*** illustrates the ***Strategies to Enhance Urban Ecology/Biodiversity***.

3.2.3 A combination of native and exotic species representative of plant groups common to Hong Kong are proposed with an emphasis on seasonal variety providing a visual amenity and attraction for the public. The planting palette shall also optimize the use of native species, maximize complexity and diversity and at the same time striking a balance from aesthetics of the design intent. The choice of species has also made reference to the Street Tree Selection Guide from Greening, Landscape and Tree Management Section of the Development Bureau, the Hong Kong Greening Master Plan (HKGMP) for Kowloon City District and Wong Tai Sin District by the Civil Engineering and Development Department (CEDD) and the Final Report on Planning, Landscape and Urban Design for Kai Tak Development by CEDD as appropriate to optimize the potential for ecological connectivity beyond the development area.

3.2.4 Portion of plant species of ecological value to the wildlife as listed below are selected from the recommended planting palette under the Greening Master Plan (GMP) for Kowloon City District and Wong Tai Sin which would potentially encourage connection of biodiversity with adjoining new public projects that are likely to make reference to these document as well for plant species selection:

GMP for Kowloon City District
Trees: *Terminalia mantaly, Araucaria heterophylla, Bauhinia variegata, Jacaranda mimosifolia, Plumeria rubra* and *Magnolia spp.*
Shrubs/Groundcover: *Aglaia odorata, Lantana camara, Rhododendron pulchrum* and *Rhodomyrtus tomentosa*

GMP for Wong Tai Sin
Trees: *Koelreuteria bipinnata, Jacaranda mimosifolia, Liquidambar formosana, Plumeria rubra* and *Hibiscus tiliaceus rubra*
Shrubs/Groundcover: *Rhododendron spp.*

3.2.5 Co-ordination shall also be made with adjoining open spaces projects such as Station Square, Metro Park and Sung Wong Toi Park to align choice of certain plant species that would contribute for biodiversity as a measure to enable connectivity of wildlife habitat and movement of wildlife across the District. According to the current planting plans available from the Station Square, the following species with benefits to the wildlife are selected by both the Station Square and KTSP:

Trees: *Bauhinia variegata, Syzygium cumini* and *Liquidambar formosana*
Shrubs and Groundcover: *Angelonia salicariifolia, Iris tectorum, Ligustrum spp., Liriope spicata, Murraya paniculata, Pennisetum alopecuroides* and *Zephyranthes candida*

Development programme for Metro Park and Sung Wong Toi Park is not yet known and the proposed planting palette of the KTSP shall be circulated to relevant project teams as appropriate for their consideration if common species shall be selected for their projects so as to strengthen the overall urban ecology and biodiversity enhancement that could be contributed by all adjoining projects.

3. Objectives and Implementation Strategies:

3.2 ***Objective 2 - To Enhance Urban Ecology/Biodiversity (Continued)***

3.2.6 The proposed planting palettes for different zones of the open space including trees, shrubs and groundcovers are shown in ***Figure A8, Figure A9, Figure A10*** and ***Figure A11***. Proposed planting schedule and percentages of native planting are listed in ***Table A3*** and ***Table A4*** and summarized below:

Proposed Planting	Percentage of Native Species
Trees:	27%
Shrubs:	20.8%
Groundcover:	20.0%

Summary of ***Planting Proposal to Benefit Urban Ecology/Biodiversity*** for plant species that provide food source (host plants) to wildlife and for pollinating species for all zones with written statement refers to ***Table A5.***

3.2.7 Level of horticulture maintenance for different landscape areas will be various according to accessibility. Some areas like the buffer planting zones, vertical greening on building façade and inaccessible green roofs (with maintenance access only) which will not be accessed by the visitors will adopt a low maintenance approach (e.g. lower pruning frequency and pests control etc.) to minimize disturbance to the wildlife development.

3.2.8 ***Figure B1*** demonstrates how KTSP shall connect with the existing and future nearby regional/district public open space (e.g. within 500m) and through the Green Spine shown in ***Figure B2*** along the perimeter of the site can further enhance the role of the site as part of the ecological corridor.

3. Objectives and Implementation Strategies

3.3 Objective 3 - Integration with Adjacent Development and Open Spaces

3.3.1 In order to provide seamless physical and visual integration with the surrounding public spaces, the project boundaries adjoining other public open spaces will not have fences or barriers. Close co-ordination to ensure consistency of levels and materials will create a "blurred edge" to the development, integrating the development with the future Sung Wong Toi Park, the Station Square Open Space Corridor and the Metro Park.

3.3.2 Paving materials used in the surrounding areas are referenced where available in the selection of paving materials to enable smooth visual transitions. Much of the open space paving is comprised of granite/recycled concrete block pavers with clean and simple pattern to support wayfinding and visual coherence within the precinct, also avoiding bright and highly reflective surfaces that may cause glare.

3.3.3 Green walls on building façade (PSG and ISC etc.,) and green roofs have been introduced extensively in buildings further tying the buildings with the open space and connect the Kai Tak Sports Park with the adjoining Station Square and Sung Wong Toi Park. Integration of green walls and green roofs in buildings creates a more sustainable building envelope while also improving the appearance of the buildings from both ground level and above.

3.3.4 In the open space, vertical greening in the form of climbing plants on wire systems are also proposed to soften the outlook of the western passageway facing onto the future Sung Wong Toi Park and the ramped walking within the Neighbourhood Park. Modular vertical greening systems are also proposed in the facade of PSG and ISC to soften the building form and to create a backdrop for the adjacent POS.

3.3.5 Extensive tree and shrub planting will form the green spine and landscape buffer in the parkland (as shown in ***Figure B2***) and forming framework of the overall ***Landscape Master Plan*** in ***Figure B3***.

3.3.6 Northern Portion (north of Shing Kai Road)
Tree grid planting along the interfacing spaces with Station Square provide a continuity of the tree canopy within the adjoining open space while accommodating the requirements for movement of pedestrians and crowd dispersal underneath. Planting of trees/ tall shrubs along the eastern boundary of Neighbourhood Park, along Muk Tai Street and Road D3 and adjoining Shing Kai Road will be provided.

3.3.7 Main Plaza Deck and western passageway (above Shing Kai Road)
The green spine continuous along the edge of the landscape decks to the Walk of Fame at the east and Harbourfront promenade at the west.

3.3.8 Southern Portion (south of Shing Kai Road)

3.3.8.1 The green spine with foliage trees and dense shrub planting wrapping around the Event Village to soften the deck edges.

3.3.8.2 Buffer planting will be provided between the site and the Road D3 to screen the traffic.

3.3.8.3 The Eastern Plaza with formal tree grid will form the future connection to Metro Park.

3.3.8.4 The green spine then extents between the Corners of Joy and the tunnel of Central Kowloon Route for trapping air pollutant and wind break for park users.

3.3.8.5 Landforms transition the podium level down to the Harbourfront promenade at the west incorporating a coastally responsive planting palette, and forming a continuous green connection from the parkland to the water body of Victoria Harbour.

3.3.9 The continuity of parkland, vertical greening and green roofs across the precinct provide a combined medium of planting across the various buildings acting as a visually unifying element at the urban scale.

3.3.10 The Kai Tak Sports Park has been designed to respond to its local context, while creating a major landmark facility that celebrates sport and entertainment for the people of Hong Kong and around the world. The responsive strategies of building and lighting designs will be adopted and discussed in the relevant parts of the Landscape and Visual Mitigation Plan.

3. Objectives and Implementation Strategies

3.4 *Objective 4 - To Strive a Balance between Various Functions of the Park*

3.4.1 To strike a balance between various functions of the park is a big challenge to the project. The landscape design of the open space has to provide reasonable flexibility, enhance fans experience and create a manageable space for organizing various activation activities during sports events in the venues, as well as creating interest and comfort for daily park users. ***Figure B4*** shows different functional zones of the site. The design approach of key multi-function event spaces are illustrated as below:

3.4.2 Main Plaza

3.4.2.1 The Main Plaza mainly composes of hard paved area to create space for queuing and security checking before entering the Main Stadium, set up of hospitality e.g. welcome marquee, temporary entertainment stage, F & B and first aid support etc., as well as allowing unobstructed route for crowd dispersal after the event (overall perspective refers to ***Figure B5***) and various event settings shown in ***Figure B6, Figure B7*** and ***Figure B8.***

3.4.2.2 The landscaped berms on both sides, the movable site furniture and potable plants will create a more human space, together create interest and comfort for daily park users. The jogging cum cycling path riding on the landscape berms will connect the space to the rest of the park.

3.4.2.3 The specially designed and 8m height centrally located canopy will become an iconic and way finding feature of the site which link up the sports venues and provide reasonable weather protection, as well as allowing unobstructed space for holding activation activities.

3.4.2.4 With the prime objective in accommodating events of different scale at the Main Plaza, movable seating and planter pots with arrangement in harmony with the architectural canopy is nevertheless proposed for passive recreational use of the public at non-event days as shown in ***Figure B9.***

3.4.3 Event Village

3.4.3.1 The Event Village has combined one big flat lawn area for casual gatherings and a portion of hard paved area to facilitate easy set up of pop-up kiosks and moveable stage etc., during event activation when holding large scale sports events (e.g. rugby 7, annual football competition), communities actives (festival countdowns) or sponsors/private/commercial events (outdoor night cinema/outdoor mini concerts and weekend markets), sample settings refer to ***Figure B10*** and ***Figure B11***.

3.4.3.2 At non-event days, temporary seating, shelters and movable planting shall be provided in the hard paved area of the Event Village which is under design development (layout of Event Village refers to ***Figure B12***).

3.4.3.3 The peripheral buffer tree and shrub planting will form the backdrop for the activities, and provide interest and comfort for park users of the jogging trails cum GreenWays within the Precinct.

3.4.4 Walk of Fame

Series strips of trees and ornamental grass integrated with hard paved areas will form a transitional space between the two outdoor event spaces. Depending on the set up of security, park users can still use the space while events are happening at the two event spaces (Main Plaza and Event Village). In other cases, the three areas can be used together to form one big event space.

3. Objectives and Implementation Strategies

3.5 Objective 5 - To Create A Large Landscape Park for the Community to Enjoy

3.5.1 Incorporation of a new park within the development area will facilitate the visual corridors outlined by the urban design framework to create an urban light well, protecting longer views and providing visual amenity to nearby receivers. The park will maximize tree and shrub planting with emphasis on incorporating native species and integrate facilities primarily for the regular use of adjacent residential communities.

3.5.2 The Neighbourhood Park forms part of the Lion Rock Vista allowing for views of the ridgeline from the Event Village and future Metro Park.

3.5.3 The Neighbourhood Park as well as the overall Kai Tak Sports Park provides a variety of facilities of the public. Those within the outdoor landscape setting include, jogging track and trails, GreenWay's, sports courts, Fitness Stations designed for all age and user groups, Children's playground, interactive water play, Outdoor Art Installations, a variety of outdoor gathering spaces to watch and take part in community events.

3.5.4 The overall precinct is designed to provide a parkland experience throughout, achieving through a widely distribution of trees (min. 1065 Trees) to provide shade, comfort and human scale.

3.5.5 Undulating landforms are utilized to provide unique character to the Parkland, provide visual enclosure and a green backdrop, and to enhance the visual layering effect of shrub and tree planting.

3.5.6 Recreational zoning diagrams and perspectives to show landscape settings of key landscape areas for the enjoyment of the community (Neighbourhood Park, Walk of Fame & Event Village, Sports Avenue and Pier Walk, Corners of Joy & Harbourfront Promenade and Public Sports Ground) are shown in ***Figure B13 to Figure B24***. Landscape setting for Main Plaza at non-event days refer to ***Figure B9.***

3.5.7 Running track in formal setting (PSG) or informal arrangement at the Neighbourhood Park and other open spaces with fitness stations and soft landscaping including tree planting along are also proposed for active recreational use of the public, fitness network as shown in ***Figure B25.***

3.5.8 The Children's Play Area within the Neighbourhood Park provides a barrier free interactive and inclusive space for family's to enjoy and explore in a unique setting that shall blend into and be enclosed by a tree and shrub buffer planting.

3. Objectives and Implementation Strategies

3.6 ***Objective 6 - Promote Walkability and Enhance Connectivity***

3.6.1 As the development site of the KTSP is bisected by Shing Kai Road almost in the middle at a west-east direction, vehicular traffic free pedestrian movement across the Kai Tak Sports Park site is achieved by using the Main Plaza Deck and the western passageway (***Figure B26***). A Sports Avenue is also created to link up the Northern Portion of the Site from Station Square towards north to the Harbourfront Promenade, Dining Cove and Victoria Harbour at the south. With major connection from the northern inland to the Harbourfront serve by the Sports Avenue and Pier Walk as refer to ***Figure B27***, connectivity of the precinct to the adjoining neighbourhood and between different zones of the KTSP is further enhanced by the east west tree lined pathway at the Neighbourhood Park and the meandering pathway "Au Tak Path" running through the whole site (refer to ***Figure B26***)

3.6.2 The Neighbourhood Park is designed to emphasize neighborhood access and linkage to the park and the overall precinct with key east/west axis aligned to the pedestrian and open space corridors in the adjoining Grid Neighbourhood offering improved pedestrian permeability.

3.6.3 The green spine (refer to ***Figure B2***) overlay with the extensive deck and gentle ramps system (1:21 in the Runway 31/western passageway, Pier Walk, Sports Avenue, curvy ramp in the NP) supplement with escalators and lifts system will enhance walkability within the site and connectivity with the adjacent open space (refer to ***Figure B26)***.

3.6.4 Interfacing co-ordination and landscape treatment are made to ensure pedestrian connection with adjoining open spaces such as Station Square, Sung Wong Toi Park, Metro Park and Road D3 (Shing Fung Road) as refer to ***Figure B28 to Figure B31.***

3.6.5 The GreenWay routing will connect with the Greenway's which will pass through Station Square, Metro Park and Sung Wong Toi Park in future, refer to ***Figure B32.***

3.6.6 Planting will also be incorporated into at-grade areas and as raised planting areas on pedestrian walkways, ramps and decks:

3.6.6.1 Strip/pit planting of trees or/and shrubs along the ramped walkways of Pier Walk and Sports Avenue will create a series of human scale accessible spaces with greenery along the walkway, to provide shade and comfort to users.

3.6.6.2 Tree and shrub planting/ canopies are provided at the Main Plaza and Western Passageway to provide visual amenity values/general weather protection/comfort to pedestrians.

3. Objectives and Implementation Strategies:

3.7 Objective 7 - To Activate the Harbourfront and Appreciate the View of Victoria Harbour

3.7.1 The site boundary of the project has been expanded to include the Harbourfront Promenade and Dining Cove, which offering the advantage of being able to design the podiums interface with the Harbourfront Promenade in a more integrated manor. The design of transitional space between the landscape deck at 15.35mPD and the Harbourfront Promenade at 5.10mPD will be carefully considered.

3.7.2 Visual articulation and physical penetration of the development at promenade level will be created by series of landscape terraces softening the overall developments elevation when viewing from the Harbour, refer to ***Figure B20*** and ***Figure C4***.

3.7.3 Large multi-purpose gathering lawns are provided at different levels, viewing decks and a skywalk feature will be strategically located to provide a variety of opportunities for open harbour views within a parkland context surrounded by shrubs and trees ***Figure B19, B20*** and ***Figure C4***. Continuity of coastal planting groups will be provided at the various development levels interfacing with the Harbourfront.

ANNEX A

DETAILED PLANTING PLANS, TREE PLANTING PLAN AND SOILING PLANS

ID NO.	Landscape / Landscape and Visual Mitigation Measure
OM1	Greening of Walkways, Ramps and Decks
OM2	Green Roofs and Vertical Greening
OM3	Compensatory Tree Planting
OM4	Responsive Building Design
OM5	Integration of Development Boundaries
OM6	Integration with Dining Cove and Harbourfront Promenade
OM7	Light Penetration Under Deck
OM8	Urban Park
OM9	Bespoke Amenity Area Lighting

Overview of Greenery and Key Landscape Areas

Key Landscape Areas	% of Total Trees	Number of Trees
Public Sports Ground	5.54%	59
Main Plaza	7.70%	82
Neighbourhood Park	34.08 %	363
Walk of Fame	8.08 %	86
Event Village	12.21 %	130
Harbourfront Promenade	32.39 %	345
Sports Avenue	*Trees for this area are counted under the Harbourfront Promenade*	
Total		Min. 1,065

Table A1 Trees in Key Landscape Areas

ID NO.	Landscape / Visual Mitigation Measure
OM1	Greening of Walkways, Ramps and Decks
OM2	Green Roofs and Vertical Greening
OM3	Compensatory Tree Planting
OM4	Responsive Building Design
OM5	Integration of Development Boundaries
OM6	Integration with Dining Cove and Harbourfront Promenade
OM7	Light Penetration Under Deck
OM8	Neighbourhood Park
OM9	Bespoke Amenity Area Lighting

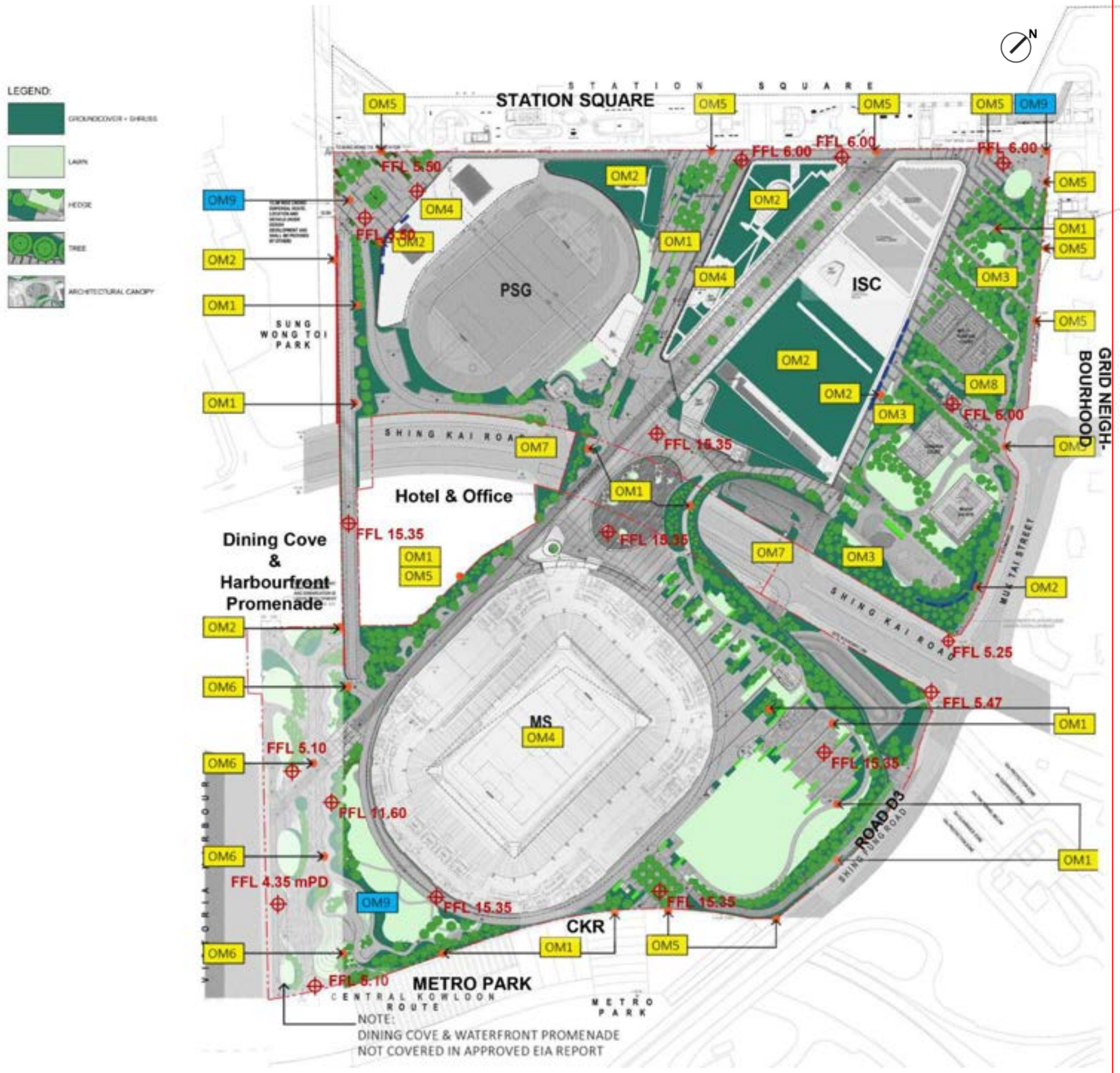


Figure A1 - Tree Planting Proposal

Scale 1:4000@A3

Overview of Greenery and Key Landscape Areas

TPRP Compensatory Planting Proposal - Approved EIA Report (Aug 2016)				
Portion	No. of Trees			
	Identified	To be felled	To be transplanted	To be compensated
KTSP	159	159	0	
Total	159	159	0	≥ 340

Table A1.1 Summary of Approved Tree Preservation and Removal Proposal

TPRP with blanket approval from TWVP (February 2019)				
Portion	No. of Trees			
	Identified	To be felled	To be transplanted	To be compensated
KTSP	207	181	26	
Dining Cove	15	15	0	
Total	224	198	26	≥ 344

Table A1.2 Summary of Approved Tree Preservation and Removal Proposal

Supplementary TPRP for Previously Approved Transplanted Trees and Newly Identified Additional Existing Trees (Oct 2019)				
Portion	No. of Trees			
	Identified	To be felled	To be transplanted	To be compensated
KTSP	232	217	15	
Dining Cove	15	15	0	
Total	247	232	15	≥ 352

Table A1.3 Summary of Approved Tree Preservation and Removal Proposal

Figure A1.1 - Tree Planting Proposal : Summary of TPRP's

Soiling Plan

Soiling Provision

Min. 300mm clear soil depth is provided for Lawn areas.

Min. 600mm clear soil depth is provided for Shrubs and climbing plants (vertical greening refer to **Figure A4 and Figure A5**)

Min. 1200mm clear soil depth is provided for Tree Planting

Min. 1500mm clear soil depth is provided for Sports Avenue Trees at the ISC.

ID NO.	Landscape / Visual Mitigation Measure
OM1	Greening of Walkways, Ramps and Decks
OM2	Green Roofs and Vertical Greening
OM3	Compensatory Tree Planting
OM4	Responsive Building Design
OM5	Integration of Development Boundaries
OM6	Integration with Dining Cove and Harbourfront Promenade
OM7	Light Penetration Under Deck
OM8	Neighbourhood Park
OM9	Bespoke Amenity Area Lighting

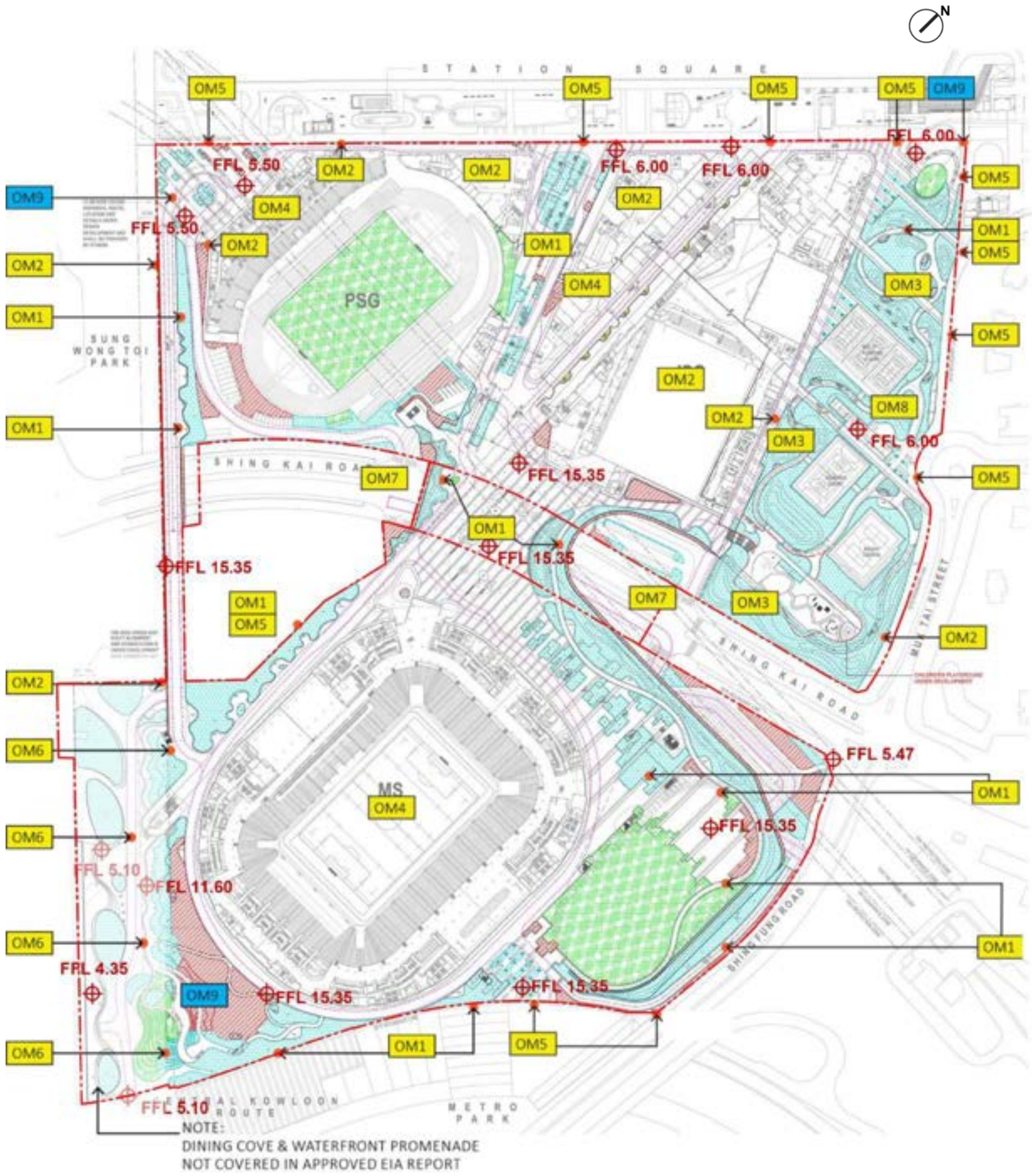


Figure A2 - Soiling Plan

Scale 1:4000@A3

Soiling Plan - Roof Levels

Soiling Provision

Min. 300mm clear soil depth is provided for green roof areas.

Total Roof Area

ID NO.	Landscape / Visual Mitigation Measure
OM2	Green Roofs and Vertical Greening

Green Roofs are not feasible for the following buildings due to the requirements for an openable roof on the Main Stadium, and the use of light weight roof structures on the Wellness Centre and Public Sports Ground that contribute to minimising the overall scale and appearance of the facilities.

1 Public Sport Ground

2 Wellness Centre

3 Main Stadium

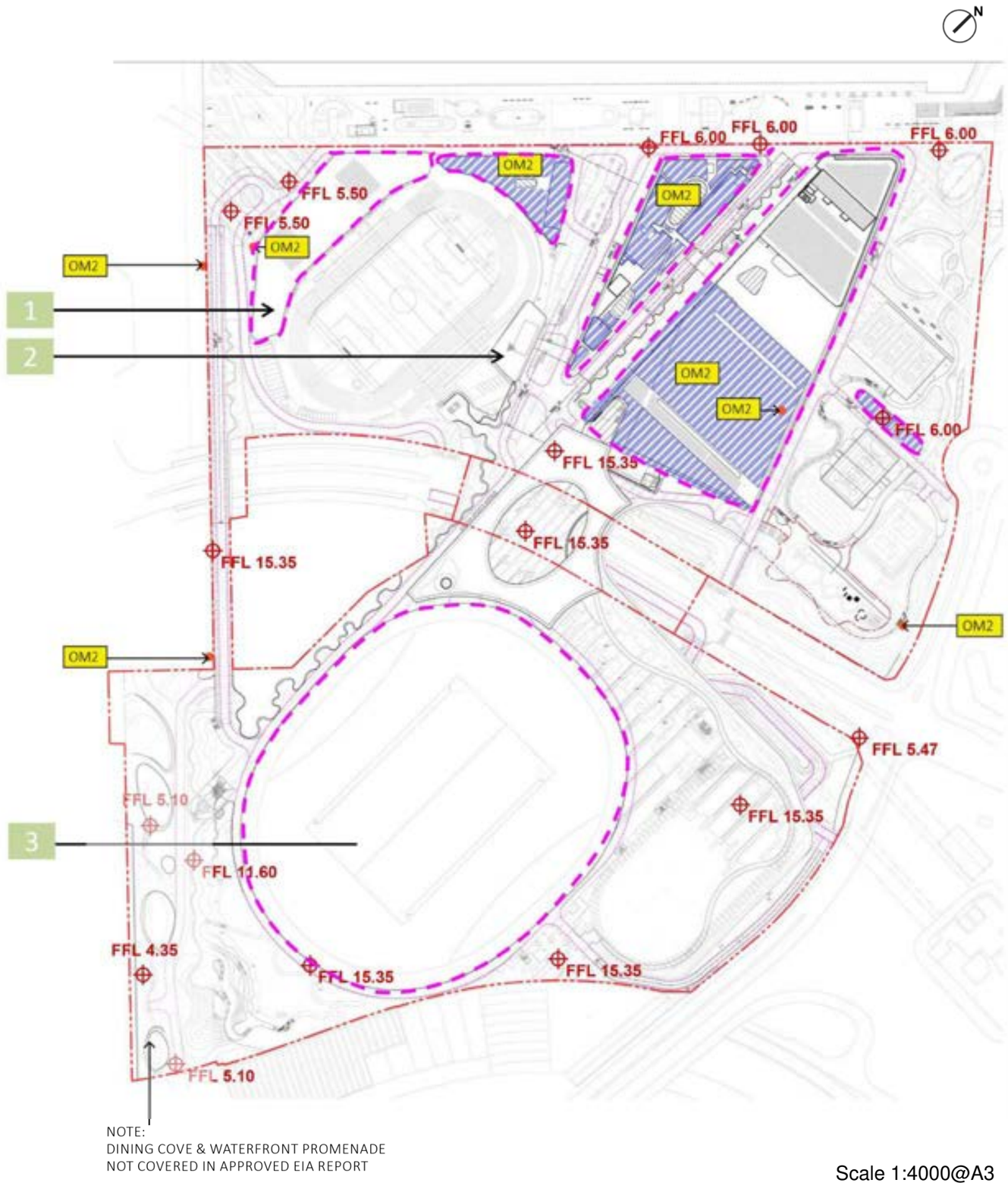
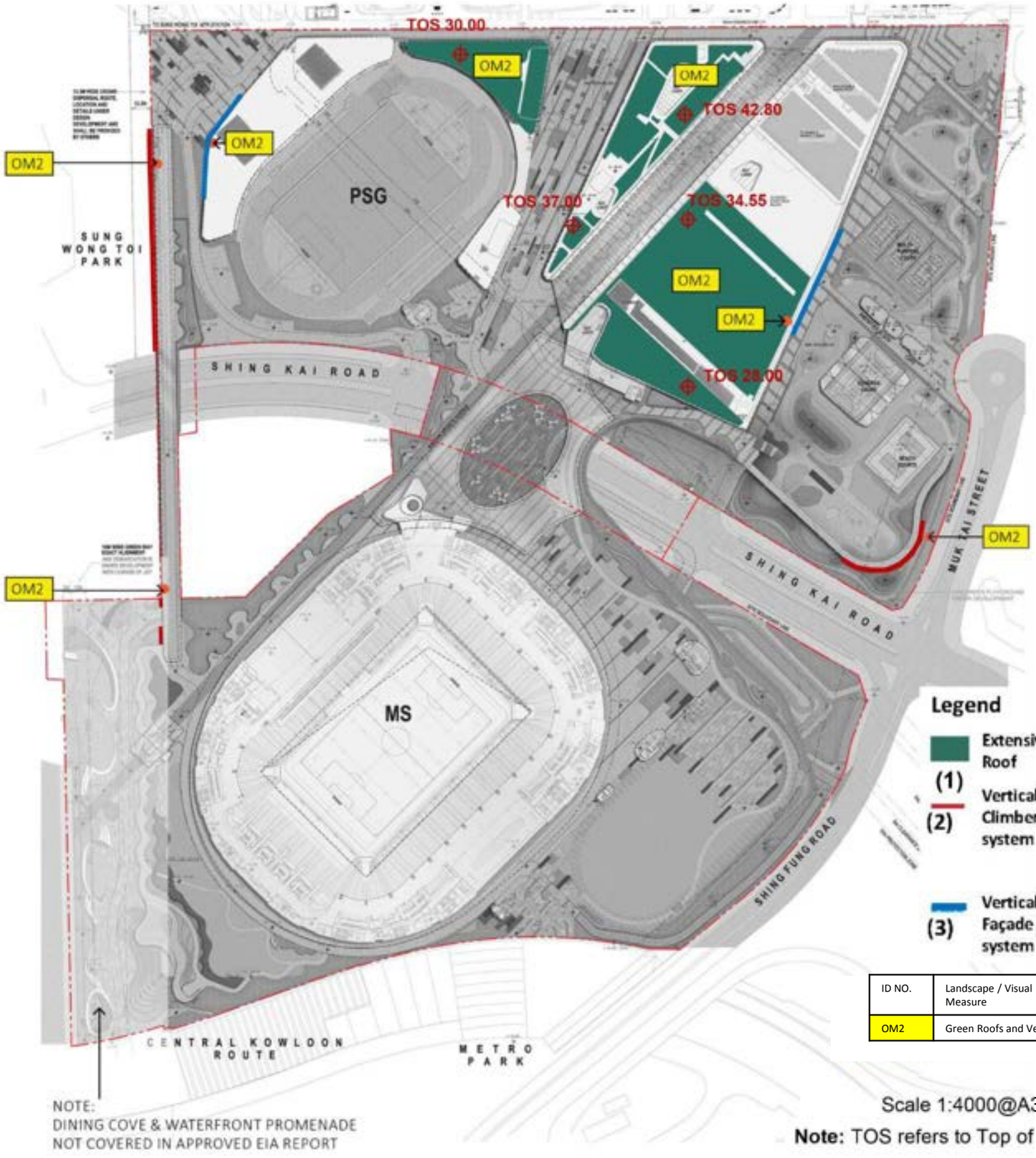


Figure A3 - Soiling Plan Roof Levels

Scale 1:4000@A3

Green Roofs and Vertical Greening



N

EXTENSIVE GREEN ROOF

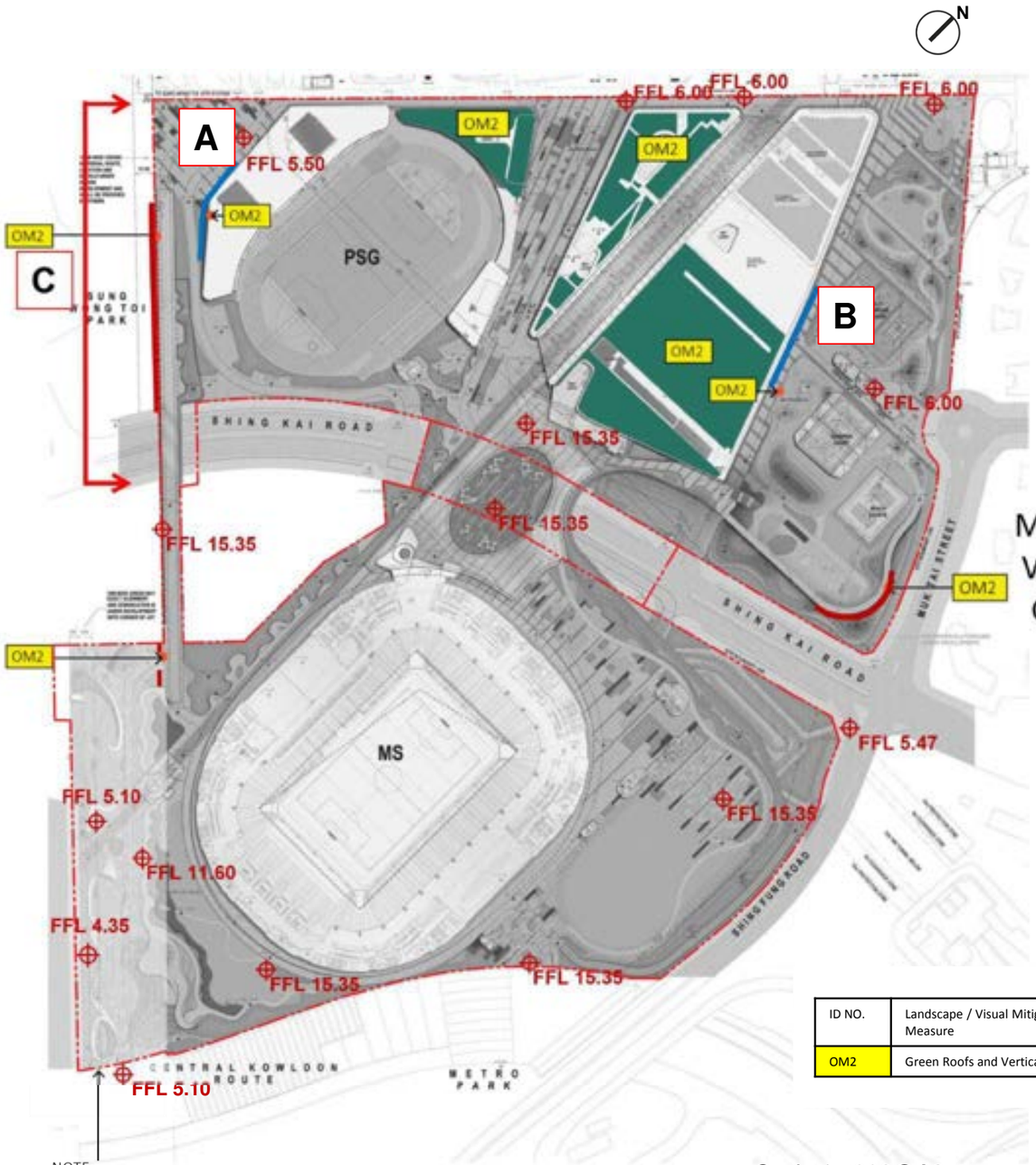
	BOTANICAL NAME	CHINESE NAME	SIZE (HEIGHT_H X SPREAD_SP) mm	SPACING mm	PLANT RATIO
Adu	*Arachis duranensis*	蔓花生	50H x 150SP	100	115.470/m^2
Enu	*Evolvulus nuttallianus*	藍星花	300H x 300SP	200	28.868/m^2
Lco	*Lysimachia congestiflora 'Outback Sunset*	錦葉遍地金	100H x 200SP	100	115.470/m^2
Zca	*Serissa foetida*	金邊六月雪	300H x 300SP	200	28.868/m^2

VERTICAL GREENING - CLIMBERS (CABLE SYSTEM)

VERTICAL GREENING - FACADE (MODULAR SYSTEM)

Figure A4 – Green Roofs + Vertical Greening

Green Roofs and Vertical Greening



NOTE:
DINING COVE & WATERFRONT PROMENADE
NOT COVERED IN APPROVED EIA REPORT

Legend

- Extensive Green Roof
- (2) Vertical Greening – Climbers , cable system
- (3) Vertical Greening – Façade , modular system

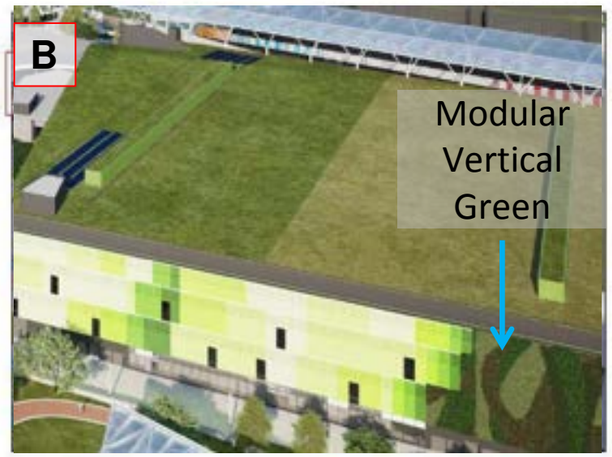
ID NO.	Landscape / Visual Mitigation Measure
OM2	Green Roofs and Vertical Greening

Scale 1:5000@A3

Vertical greening – Façade mounted modular system

- Vertical greening is incorporated into the building facades of the PSG and ISC as part of the modular façade system.
- The greening is distributed across the full height of the building façade as indicated in the perspective views shown opposite

Modular Vertical Green



Vertical greening – Climbing plants with Cable System

- Vertical greening is incorporated into the external faces of building and structures through the use of a stainless steel cable system and to planters to support the growth of climbing plants.
- The elevation below shows the scale and application of the system to the western ramp passageway facing the future Sung Wong Toi park.

Character reference image

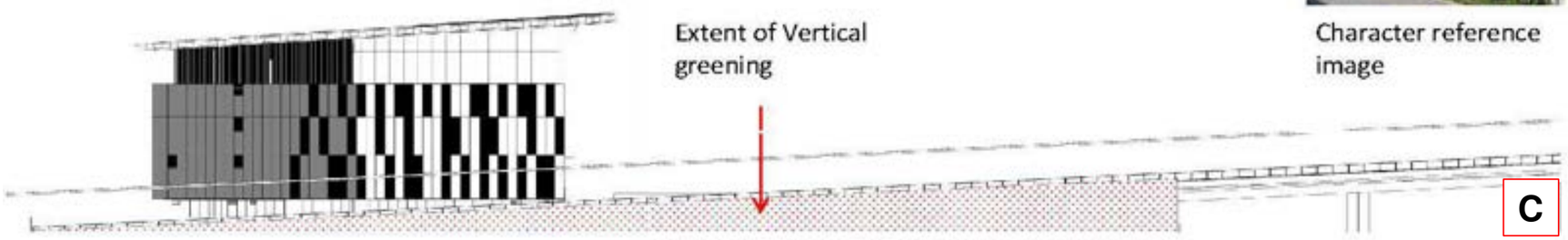


Figure A5 - Vertical Greening

Greenery Coverage

Requirement	*Design*
At-Grade Greenery Coverage	Provides min. 20% coverage *compliant*
Roof Greenery Coverage	Provides min. 20% coverage *compliant*
Overall Site Greenery Coverage	Provides min. 30% coverage *compliant*

Table A2 - Summary of Greenery Coverage

AT-GRADE GREENERY = Min. 20%

WATER AREA

ROOF GREENERY = Min. 20% of total roof areas

Vertical Greening (Climbers, cable system)

Vertical Greening(Façade, modular system)

Total Site Area =	280,519 m2
Roof Area =	79,895m2
Total Planting Area =	Approx. 84,156m2
At-Grade Planting Area =	Approx. 65,976m2
Green Roof Area =	Approx. 16,300m2
Vertical Greening Area =	Approx. 1,880m2

Table A6 - Summary of planting areas

ID NO.	Landscape / Visual Mitigation Measure
OM1	Greening of Walkways, Ramps and Decks
OM2	Green Roofs and Vertical Greening
OM3	Compensatory Tree Planting
OM8	Neighbourhood Park

Notes:

- Planting Areas at +15.35 Level are at Podium level on structure.
- The method of greenery calculation and definition of at-grade greenery is based on the Development Bureau Technical Circular (Works) No. 3/2012.

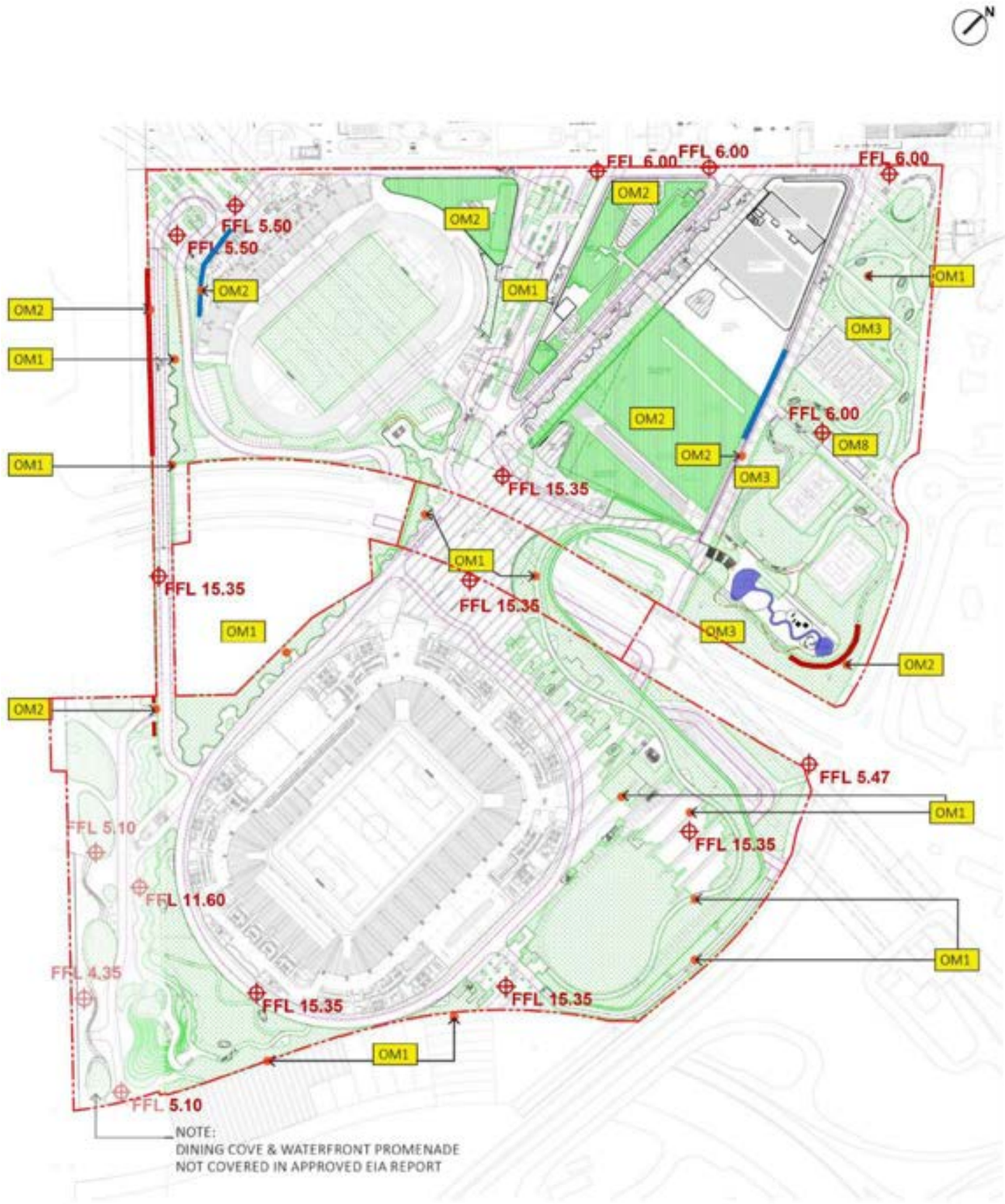


Figure A6 - Overall Greenery Provision

Scale 1:4000@A3

Greenery Coverage

	Zone	Overall Greenery Coverage of the Site (Percentage of given zone)
	OU Stadium Zone	16.43%
	Neighbourhood Park	5.56%
	Harbourfront Promenade	1.74%
	Event Village	5.71%
	Landscaped Deck Above Shing Kai Road	0.54%
	Waterfront related Commercial and Leisure Uses	0.55%
	Overall	30.53%

Table A6.1 - Summary of Greenery Coverage

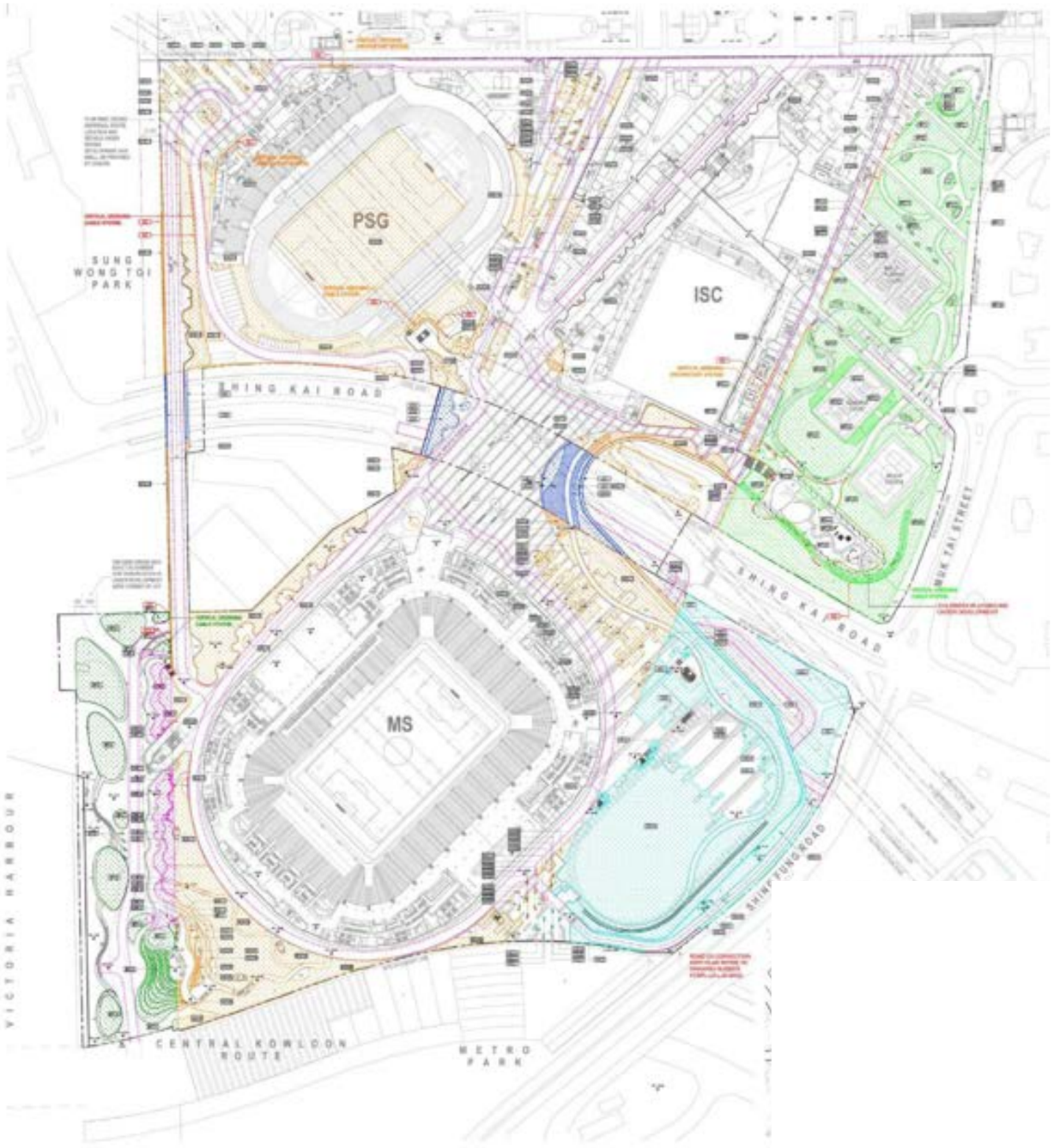


Figure A6.1 - Overall Greenery Provision

Scale 1:4000@A3

Strategies to Enhance Urban Ecology/Biodiversity

Site Planning

Maximize greenery and create connectivity

- Key open spaces with lush greenery (over 40% site coverage of greenery) and undulating landform located along the eastern portion of the Site away from the sports venue with relatively leisure setting to encourage wildlife habitation and enable movement of wildlife between KTSP to adjacent open spaces (Station Square and Metro Park) and from inland to Harbourfront;
- Edge planting along podium deck to enable greenery connection across Shing Kai
- Planting beds along Pier Walk and Sports Avenue with feature tree planting to create opportunity for wildlife movement across the Precinct.

Planting Design and Species Selection

- Complementary Vegetation Community Mix planting approach with 3 layers of planting - trees, shrubs and groundcover (refer to examples in **Table A7)**
- Fruiting/flowering seasons - food source and habitat for wildlife, enjoyment for human;
- Percentage of Native Species is summarized in ***Tables A3*** *and* ***A4*** *and written statement including* ***Summary of Planting Proposal Benefit to Urban Ecology/Biodiversity*** *for all zones in* ***Table A5;***
- Low maintenance approach adopted for buffer planting areas away from key pedestrian circulation and on inaccessible green roof to minimize disturbance of any established wildlife habitat;
- Diversified elevated landscapes such as extensive green roofs and vertical greening for multi-levels ecological linkages

Figure A7 - Strategies to Enhance Urban Ecology/Biodiversity

Strategies to Enhance Urban Ecology/Biodiversity

Planting Design and Key Species Selection

Neighborhood Park					
Trees	**Size (mm)**	**Shrubs**	**Size (mm)**	**Groundcover**	**Size (mm)**
Araucaria cunninghamii (南洋杉)	3000H x 2000SP	*Arundina graminifoli* (竹葉蘭)	400H x 300SP	*Asparagus densiflorusi* (狐尾天冬)	300H x 200SP
Araucaria heterophylla (異葉南洋杉)	3000H x 2000SP	*Bauhinia galpinii* (嘉氏羊蹄甲)	1200H x 800SP	*Aglaonema 'Red Valentine'* (粗肋草)	300H x 200SP
Bauhinia acuminate (白花羊蹄甲)	3500H x 3000SP	*Camellia oleifera* (油茶)	800H x 500SP	*Angelonia salicariifolia* (天使花)	300H x 200SP
Bischofia javanica (秋楓)	8000H x 5000SP	*Caesalpinia pulcherrima* (洋金鳳)	800H x 600SP	*Crossandra infundibuliformis* (雀尾花)	200H x 200SP
Bauhinia variegata (宮粉羊蹄甲)	3500H x 3000SP	*Dieffenbachia amoena* (夏雪萬年青)	400H x 300SP	*nephrolepis auriculata* (腎蕨)	200H x 200SP
Cerasus campanulata (重瓣鐘花櫻桃)	3500H x 3000SP	*Hamelia patens* (希美利)	800H x 500SP	*Otacanthus coeruleus* (藍金花)	300H x 200SP
Cassia javanica var. indochinensis (節果決明)	4000H x 3500SP	*Hibiscus rosa-sinensis* (大紅花)	600H x 400SP	*Salvia farinacea* (藍花鼠尾草)	300H x 200SP
Cerasus speciosa (大島櫻)	3500H x 3000SP	*Ixora 'Prince of Orange'* (橙花龍船花)	400H x 300SP	*Selaginella uncinata* (翠雲草)	100H x 200SP
Dolichandrone caudafelina (貓尾木)	4000H x 3000SP	*Lantana montevidensis* (小葉馬纓丹)	300H x 300SP	*Zephyranthes candida* (白花蔥蘭)	100H x 200SP
Dracontomelon duperreanum (人面子)	5000H x 4000SP	*Plumbago auriculata* (藍雪花)	400H x 300SP	*Zephyranthes grandiflora* (紅花蔥蘭)	100H x 200SP
Ilex rotunda var. microcarpa (小果鐵冬青)	3000H x 2500SP	*Phaius tankervilliae* (鶴頂蘭)	300H x 300SP		
Koelreuteria bipinnata (複羽葉欒樹)	5000H x 4000SP	*Rhododendron mucronatum* (白杜鵑)	500H x 400SP		
Magnolia grandiflora (荷花玉蘭)	3000H x 2500SP	*Rhododendron pulchrum* (錦鏽杜鵑)	600H x 500SP		
Pyrus calleryana (豆梨)	2500H x 2000SP	*Rhododendron simsii* (紅杜鵑)	500H x 400SP		
Punica granatum (石榴)	2500H x 2000SP	*Rhodomyrtus tomentosa* (桃金娘)	400H x 350SP		
Podocarpus macrophyllus (羅漢松)	2500H x 2000SP	*Tibouchina semidecandra* (巴西野牡丹)	400H x 300SP		
Podocarpus nagi (竹柏)	3500H x 3000SP	*Turnera ulmifolia* (黃時鐘花)	600H x 400SP		
Photinia serratifolia (石楠)	3000H x 2500SP				
Prunus yunnanensis 'Guangzhou' (廣州櫻)	3500H x 3000SP				
Syzyaium cumini (海南蒲桃)	4000H x 3000SP				
Tabebuia chrysantha (黃花風鈴木)	4000H x 3000SP				
Terminalia mantaly (細葉欖仁)	5000H x 3000SP				
Terminalia mantaly cv.Tricolor (錦葉欖仁)	4000H x 3000SP				
Tabebuia rosea (洋紅風鈴木)	4000H x 3000SP				
Ulmus parvifolia (榔榆樹)	6000H x 4000SP				
Xanthostemon chrysanthus (金蒲桃)	3500H x 3000SP				

Table A7- Planting Palette for '3 layers of Planting' (1 of 3)

Strategies to Enhance Urban Ecology/Biodiversity

Planting Design and Key Species Selection

Event Village					
Trees	**Size (mm)**	**Shrubs**	**Size (mm)**	**Groundcover**	**Size (mm)**
Araucaria cunninghamii (南洋杉)	3000H x 2000SP	*Alternanthera dentata cv. Red Marble* (錦葉紅龍草)	300H x 250SP	*Arachis duranensis* (蔓花生)	50H x 150SP
Bischofia javanica (秋楓)	5000H x 4000SP	*Aglaia odorata* (米仔蘭)	600H x 450SP	*Acalypha pendula* (紅尾鐵莧)	100H x 200SP
Bauhinia variegata (宮粉羊蹄甲)	3500H x 3000SP	*Bougainvillea spectabilis* (勒杜鵑)	100H x 500SP	*Epipremnum aureum* (黃金葛)	100H x 200SP
Cinnamomum camphora (樟)	5000H x 4000SP	*Calathea makoyana* (孔雀竹芋)	300H x 200SP	*Iris tectorum Maxim* (藍蝴蝶)	300H x 200SP
Cyclobalanopsis myrsinifolia (小葉青岡)	5000H x 4000SP	*Carmona microphylla* (福建茶)	600H x 400SP	*Liriope spicata* (山麥冬)	200H x 200SP
Dolichandrone caudafelina (貓尾木)	4000H x 3000SP	*Calathea roseopicta* (彩虹竹芋)	300H x 200SP	*Ophiopogon japonicas 'Variegata'* (花葉沿階草)	100H x 200SP
Hibiscus tiliaceus rubra (紅葉黃槿)	4000H x 3500SP	*Dietes bicolor* (雙色野鳶尾)	400H x 300SP	*Tulbaghia violacea* (紫嬌花)	200H x 200SP
Jacaranda mimosifolia (藍花楹)	8000H x 5000SP	*Lespedeza formosa* (美麗胡枝子)	800H x 500SP		
Liquidambar formosana (楓香)	5000H x 3000SP	*Lantana montevidensis* (小葉馬纓丹)	300H x 300SP		
Ligustrun lucidum (大葉女貞)	3000H x 2500SP	*Monstera deliciosa* (龜背竹)	800H x 500SP		
Melaleuca bracteata "Revolution Gold" (黃金串錢柳)	2500H x 2000SP	*Michelia figo 'Port Wine'* (紅花含笑)	500H x 400SP		
Pongamia pinnata (水黃皮)	5000H x 4000SP	*Pennisetum alopecuroides* (狼尾草)	800H x 350SP		
Syzyaium cumini (海南蒲桃)	4000H x 3000SP	*Pennisetum setaceum 'Fireworks'* (花葉狼尾草)	400H x 350SP		
Xanthostemon chrysanthus (金蒲桃)	3500H x 3000SP	*Rhododendron mucronatum* (白杜鵑)	500H x 400SP		
		Rhapis multifida (金山棕竹)	1000H x 600SP		
		Rhynchelytrum repens (紅毛草)	300H x 250SP		
		Serissa foetida (金邊六月雪)	300H x 300SP		
		Syzygium rehderianum (紅枝蒲桃)	1200H x 600SP		

Table A7- Planting Palette for '3 layers of Planting' (2 of 3)

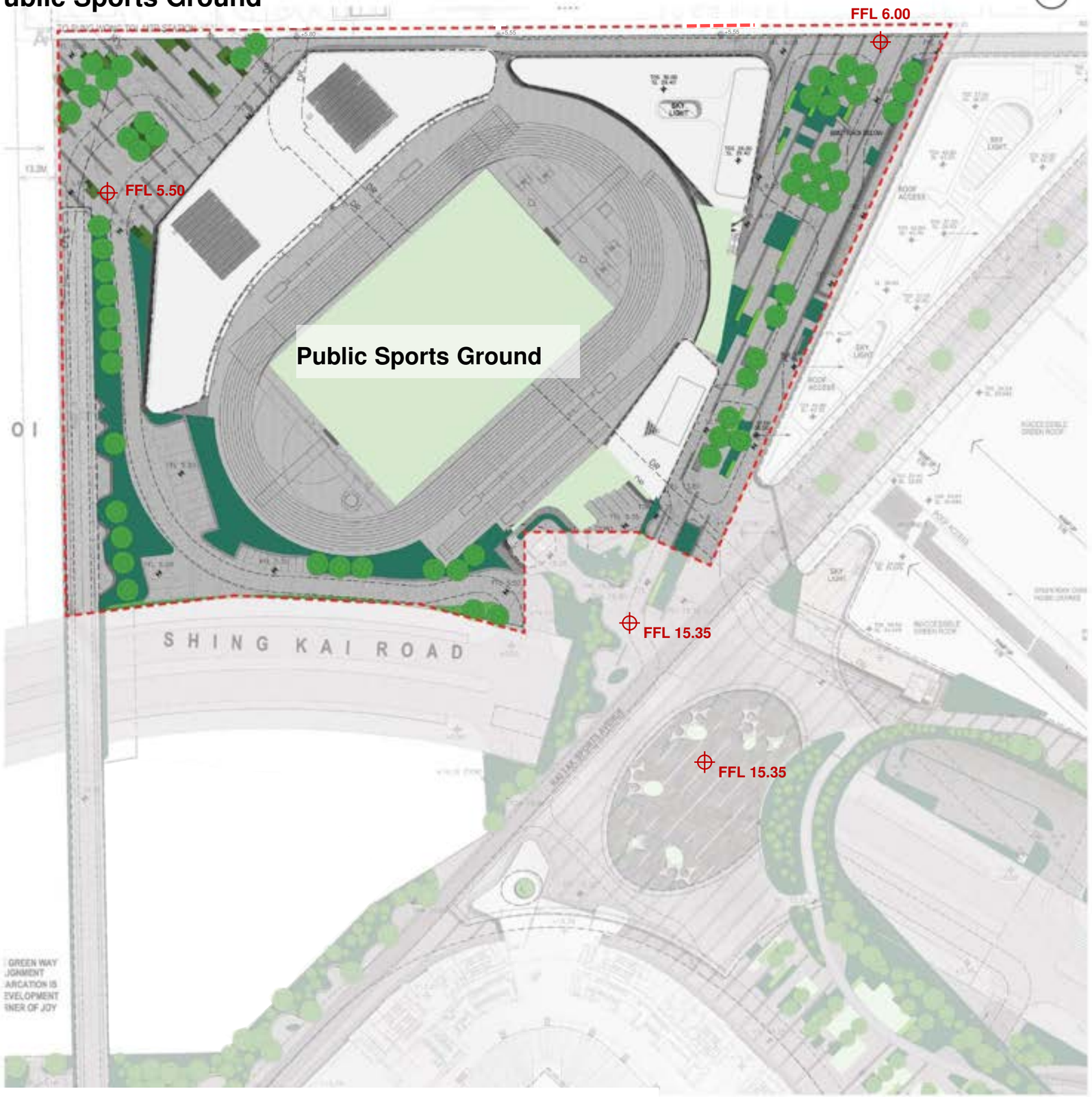
Strategies to Enhance Urban Ecology/Biodiversity

Planting Design and Key Species Selection

Corners of Joy					
Trees	**Size (mm)**	**Shrubs**	**Size (mm)**	**Groundcover**	**Size (mm)**
Albizia julibrissin (合歡)	5000H x 4000SP	*Bougainvillea spectabilis* (勒杜鵑)	1000H x 500SP	*Angelonia salicariifolia* (天使花)	300H x 200SP
Bischofia javanica (秋楓)	5000H x 4000SP	*Canna generalis cv. Striatus* (金脈美人蕉)	600H x 400SP	*Dissotis rotundifolia* (蔓性野牡丹)	200H x 200SP
Callistemon citrinus (美花紅千層)	3000H x 2000SP	*Cuphea hyssopifolia* (細葉萼距花)	300H x 300SP	*Liriope platyphylla* (闊葉麥冬)	300H x 200SP
Casuarina nana (千頭木麻黃)	2000H x 2000SP	*Caesalpinia pulcherrima* (洋金鳳)	800H x 600SP	*Salvia farinacea* (藍花鼠尾草)	300H x 200SP
Cleistocalyx nervosum (水翁)	5000H x 4000SP	*Centratherum punctatum* (藍冠菊)	300H x 300SP	*Zephyranthes candida* (白花葱蘭)	100H x 200SP
Ceiba speciosa (美人樹)	5000H x 4000SP	*Dracaena marginata 'Tricolor'* (三色馬尾鐵)	1200H x 400SP		
Hibiscus tiliaceus rubra (紅葉黃槿)	6000H x 4000SP	*Duranta repens variegata 'White Edge'* (花葉假連翹)	500H x 400SP		
Leucophyllum frutescens (紅花玉芙蓉)	2000H x 2000SP	*Evolvulus nuttallianus* (藍星花)	300H x 300SP		
Melaleuca bracteata "Revolution Gold" (黃金串錢柳)	2500H x 2000SP	*Ixora coccinea var. Lutea* (黃花龍船花)	400H x 300SP		
Olea europaea (橄欖)	2500H x 2000SP	*Ruellia brittoniana Pink* (粉花翠蘆莉)	300H x 300SP		
Rhodoleia championi (紅花荷)	2500H x 2000SP	*Rhapniolepis indica* (車輪梅)	500H x 400SP		
Ulmus parvifolia (榔榆樹)	6000H x 4000SP	*Rhodomyrtus tomentosa* (桃金娘)	400H x 350SP		
Xanthostemon chrysanthus (金蒲桃)	3500H x 3000SP	*Stachytarpheta jamaicensis* (假馬鞭草)	400H x 300SP		
		Tristellateia australasiae (金英藤)	500H x 400SP		
		Thunbergia erecta (硬枝老鴉嘴)	600H x 400SP		
		Tibouchina semidecandra (巴西野牡丹)	400H x 300SP		

Table A7- Planting Palette for ‘3 layers of Planting’ (3 of 3)

Public Sports Ground

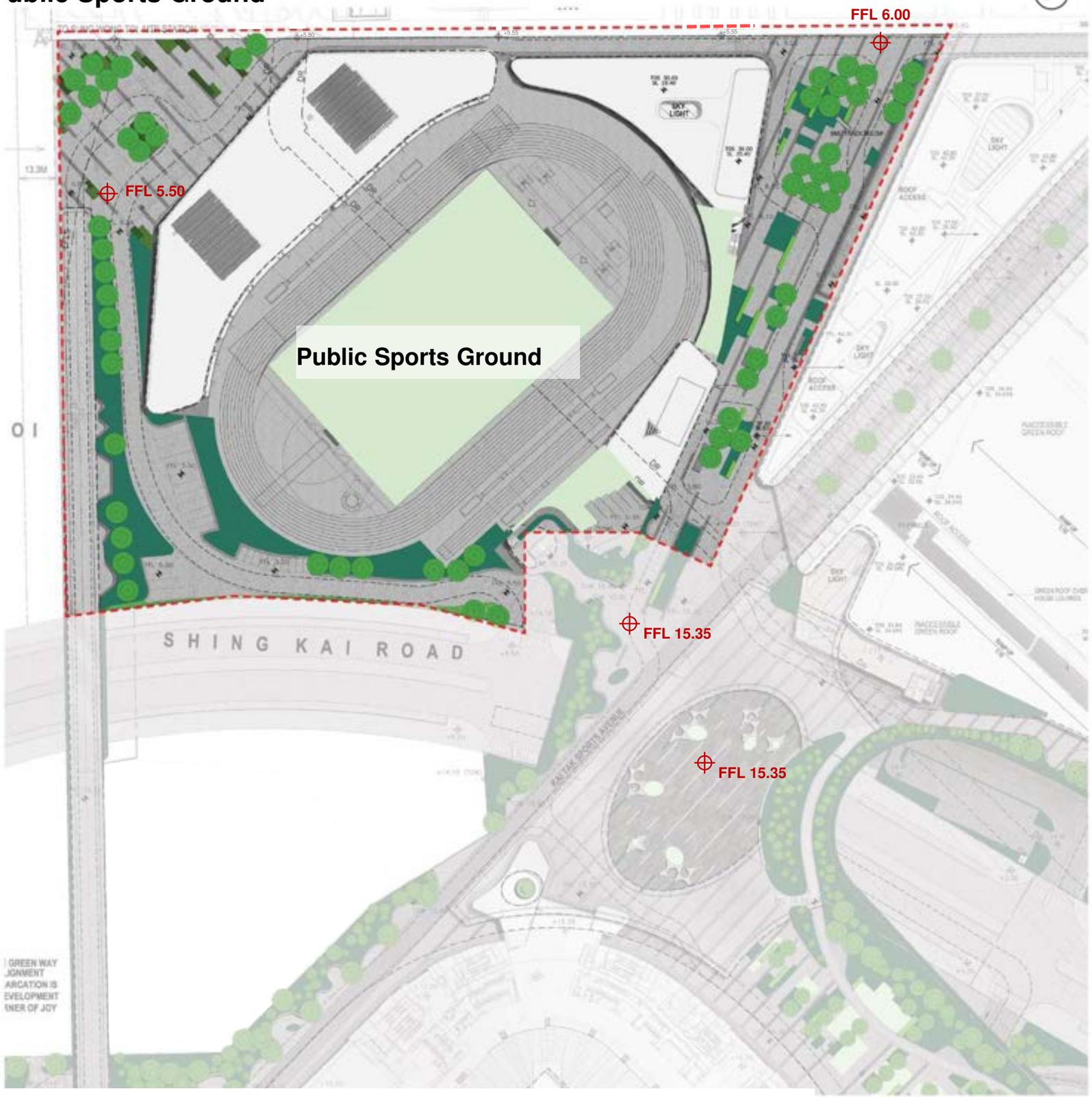


TREE PLANNTG	BOTANICAL NAME	CHINESE NAME	SIZE (HEIGHT_H X SPREAD_SP) mm	DBH Φ mm
BJ	*Bischofia javanic*	秋楓	6000H X 5000SP	300
BJ(1)	*Bischofia javanica*	秋楓	5000H X 4000SP	180
PT	*Peltophorum tonkinense*	鐵刀	6000H x 4000SP	200
UP	*Ulmus parvifol*	榔榆樹	8000H X 5000SP	300

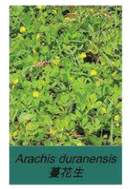
Scale 1500@A3

Figure A8 - Public Sports Ground - Trees

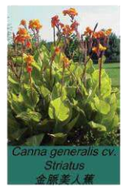
Public Sports Ground



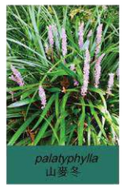
SHRUB


Arachis duranensis 蔓花生


Bougainvillea spectabilis 勒杜鵑


Canna generalis cv. Striatus 金脈美人蕉

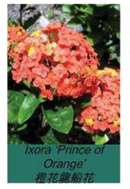

Crossandra infundibuliformis 雀尾花


palatyphylla 山蒲冬


Mesona chinensis 涼粉草


Ilex asprella 梅葉冬青

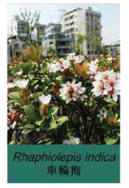

Ixora coccinea var. Lutea 黃花龍船花


Ixora 'Prince of Orange' 橙花龍船花

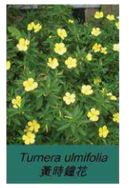

Lantana camara 馬纓丹


Ruellia elegans 大花蘆莉


Tristellateia australasiae 金英藤

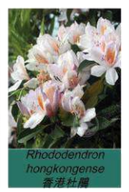

Rhaphiolepis indica 車輪梅


Rhododendron simsii 紅杜鵑


Turnera ulmifolia 黃時鐘花

HEDGE

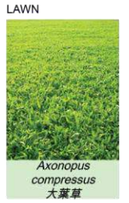

lysimachia congestiflora 'Outback Sunset' 錦葉過地金


Rhododendron hongkongense 香港杜鵑


Aglaia odorata 米仔蘭

LAWN


Duranta repens 'Golden Leaves' 金葉假連翹


Axonopus compressus 大葉草

CLIMBER


Pyrostegia venusta 炮仗花

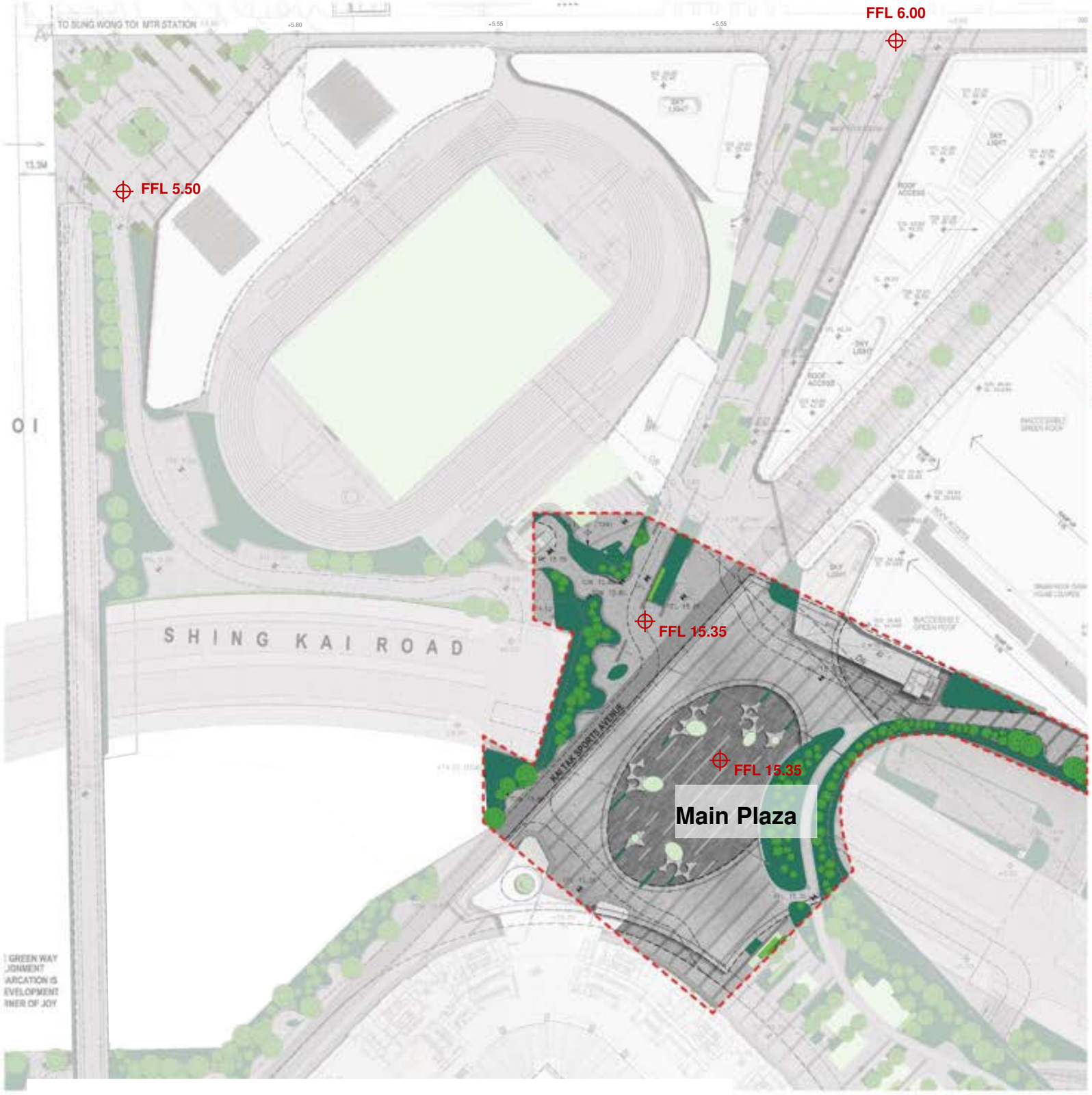
Hedge	BOTANICAL NAME	CHINESE NAME	SIZE (HEIGHT_H X SPREAD_SP) mm	SPACING mm	PLANT RATIO
Aod	Aglaia odorata	米仔蘭	600H X 450SP	350	9.426/m2
Drg	Duranta repens 'Golden Leaves'	金葉假連翹	400H x 350SP	250	18.475/m2

Shurb/ Ground Cover	BOTANICAL NAME	CHINESE NAME	SIZE (HEIGHT_H X SPREAD_SP) mm	SPACING mm	PLANT RATIO
Adu	Arachis duranensis	蔓花生	50H x 150SP	100	115.470/m2
Bsp	Bougainvillea spectabilis	勒杜鵑	1000H x 500SP	400	7.217/m2
Cge	Canna generalis cv. Striatus	金脈美人蕉	600H x 400SP	300	12.830/m2
Cin	Crossandra infundibu-liformis	雀尾花	200H x 200SP	100	115.470/m2
Ias	Ilex asprella	梅葉冬青	800H x 500SP	400	7.217/m2
Ico	Ixora coccinea var. Lutea	黃花龍船花	400H x 300SP	200	28.868/m2
Ixo	Ixora 'Prince of Orange'	橙花龍船花	400H X 300SP	200	28.868/m2
Lca	Lantana camara	馬纓丹	400H x 300SP	200	28.868/m2
Lco	lysimachia congestiflora 'Outback Sunset'	錦葉過地金	100H x 200SP	100	115.470/m2
Lsp	Liriope spicata	山麥冬	200H x 200SP	100	115.470/m2
Mch	Mesona chinensis	涼粉草	200H x 200SP	100	115.470/m2
Rel	Ruellia elegans	大花蘆莉	200H x 200SP	100	115.470/m2
Rho	Rhododendron hong-kongense	香港杜鵑	400H x 300SP	200	28.868/m2
Rin	Rhapniolepis indica	車輪梅	500H x 400SP	300	12.830/m2
Rsi	Rhododendron simsii	紅杜鵑	500H x 400SP	300	12.830/m2
Tau	Tristellateia australasiae	金英藤	500H x 400SP	300	12.830/m2
Tul	Turnera ulmifolia	黃時鐘花	600H x 400SP	300	12.830/m2
Lawn	BOTANICAL NAME	CHINESE NAME	SIZE mm	SPACING mm	PLANT RATIO
Aco	Axonopus compressus	地毯草(大葉草)	300 X 300 (turf)	Full Coverage	/
Climber	BOTANICAL NAME	CHINESE NAME	SIZE (Length_L) mm	SPACING mm	PLANT RATIO
Pve	Pyrostegia venusta	炮杖花	1500L	100	/

Figure A8.1 - Public Sports Ground - Shrubs & Groundcovers

Scale 1500@A3

Main Plaza

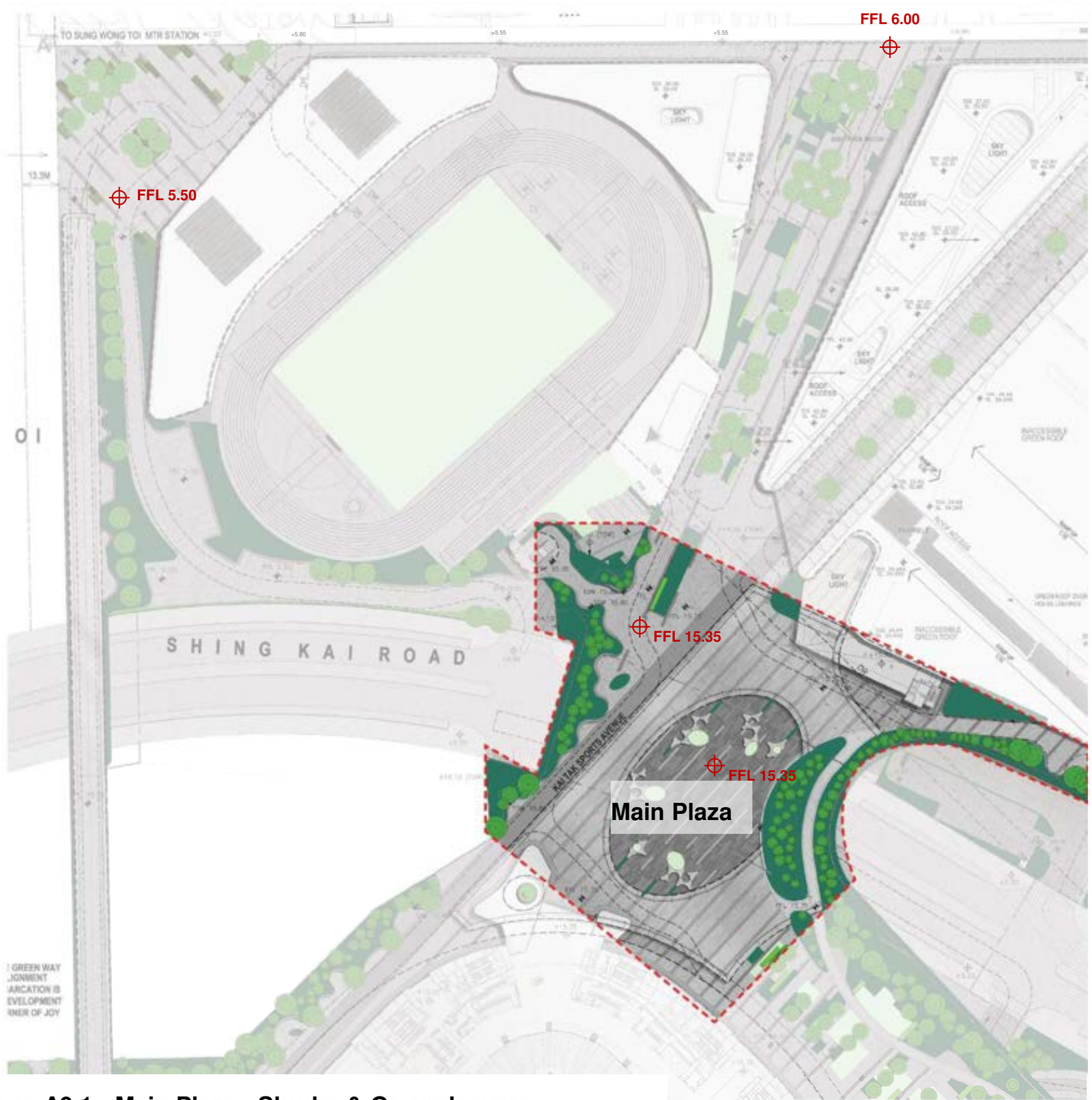


TREE PLANNTG	BOTANICAL NAME	CHINESE NAME	SIZE (HEIGHT_H X SPREAD_SP) mm	DBH Φ mm
BJ	*Bischofia javanica*	秋楓	8000H X 5000SP	300
BJ(T)	*Bischofia javanica*	秋楓	5000H X 4000SP	150
CJA	*Camellia japonic*	山茶花	2000H X 2000SP	100
HT	*Hibiscus tiliaceus rubra*	紅葉黃槿	6000H x 4000SP	200
IR	*Ilex rotunda var. Microcarpa*	小果鐵冬青	3500H x 2500SP	100
MG	*Magnolia grandiflora*	洋玉蘭	3000H x 2500SP	100
CCR	*Camellia crapnelliana*	紅金梅茶花	3000H X 2500SP	100
OF	*Osmanthus fragrans*	桂花	2500H X 2000SP	100
PR	*Plumeria rubra*	雞蛋花	3000H X 2500SP	100
RC	*Rhodoleia championi*	紅花荷	2500H x 2000SP	100
XC	*Xanthostemon chrysanthus*	金蒲桃	3500H x 3000SP	100

Scale 1500@A3

Figure A9 - Main Plaza - Trees

Main Plaza



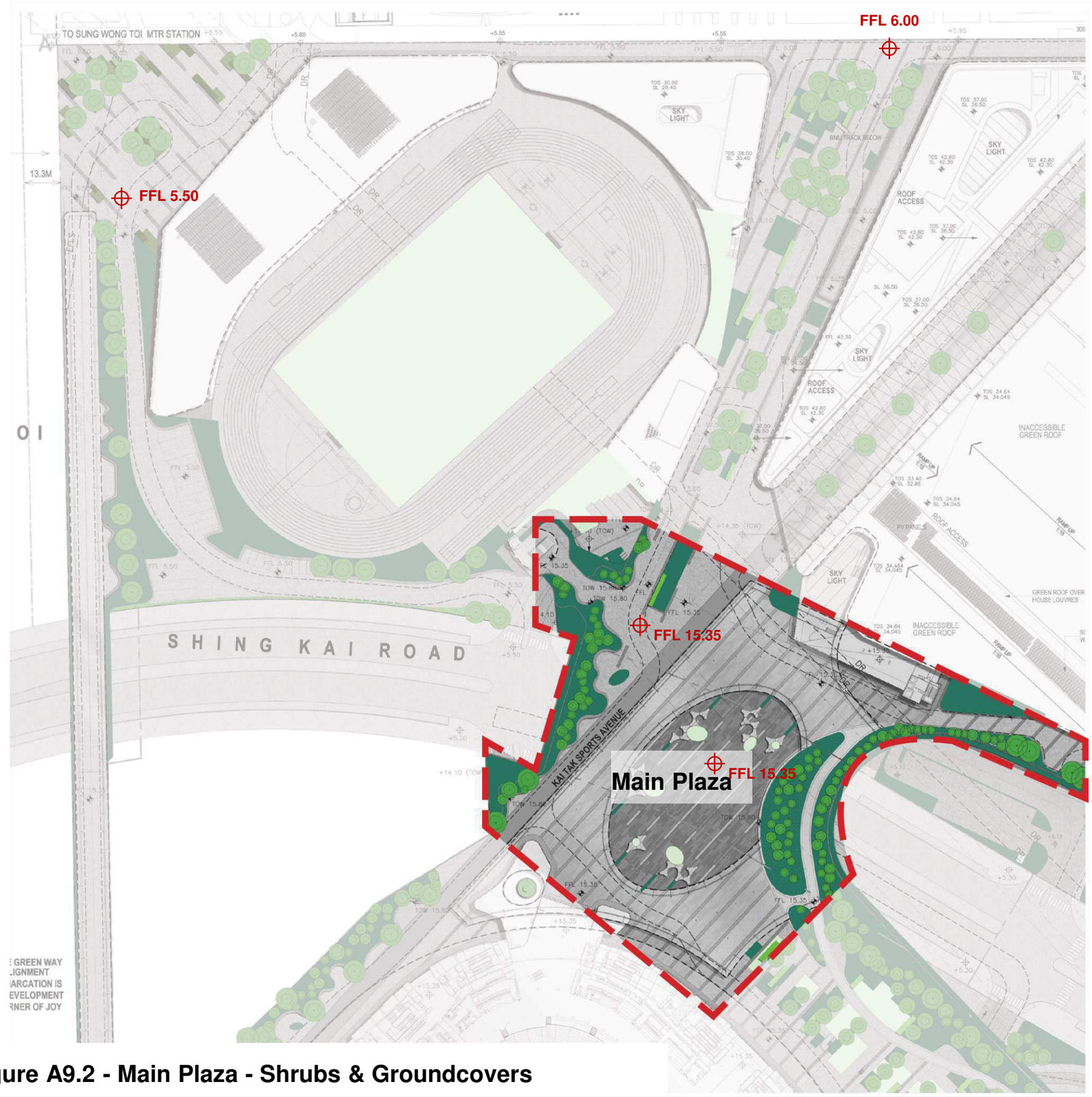
SHRUB

Shurb/ Ground Cover	BOTANICAL NAME	CHINESE NAME	SIZE (HEIGHT_H X SPREAD_SP) mm	SPACING mm	PLANT RATIO
Bsp	Bougainvillea s pect-abilis	簕杜鵑	1000H x 500SP	400	7.217/m2
Cco	Chlorophytum comosum 'Vittatum'	白邊吊蘭	200H x 200SP	100	115.470/m2
Cho	Camellia hongkongensis	香港茶	500H x 400SP	300	12.830/m2
Cin	Crossandra infundibu-liformis	雀尾花	200H x 200SP	100	115.470/m2
Cja	Clerodendrum japon-icum	植桐	600H X 400SP	300	12.830/m2
Cma	Calathea makoyana	孔雀竹芋	300H x 200SP	100	115.470/m2
Cro	Calathea roseopicta	彩虹竹芋	300H x 200SP	100	115.470/m2
Dbi	Dietes bicolor	雙色野鳶尾	400H x 300SP	200	28.868/m2
Eau	Epipremnum aureum	黃金葛	100H x 200SP	100	115.470/m2
Hpa	Hamelia patens	希美利	800H X 500SP	400	7.217/m2
Hrs	Hibiscus rosa-sinensis	大紅花	600H x 400SP	300	12.830/m2
Ias	Ilex asprella	梅葉冬青	800H x 500SP	400	7.217/m2
Ixo	Ixora 'Prince of Orange'	橙花龍船花	400H X 300SP	200	28.868/m2
Lca	Lantana camara	馬纓丹	400H x 300SP	200	28.868/m2
Lsp	Liriope spicata	山麥冬	200H x 200SP	100	115.470/m2
Mch	Mesona chinensis	涼粉草	200H x 200SP	100	115.470/m2
Mde	Monstera deliciosa	龜背竹	800H x 500SP	400	7.217/m2
Oja	Ophiopogon japonicas 'Variegata'	花葉沿階草	100H x 200SP	100	115.470/m2
Pau	Plumbago auriculata	藍雪花	400H X 300SP	200	28.868/m2
Rel	Ruellia elegans	大花蘆莉	200H x 200SP	100	115.470/m2

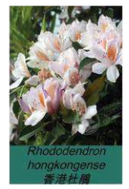
Scale 1500@A3

Figure A9.1 - Main Plaza - Shrubs & Groundcovers

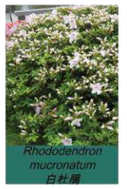
Main Plaza



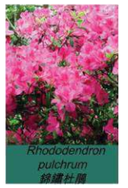
SHRUB


Rhododendron hongkongense 香港杜鵑

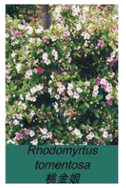

Rhaphiolepis indica 車輪梅


Rhododendron mucronatum 白杜鵑

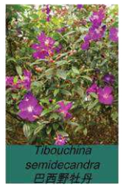

Rhapis multifida 金山棕竹


Rhododendron pulchrum 錦繡杜鵑

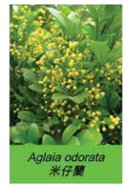

Rhododendron simsii 紅杜鵑


Rhodomyrtus tomentosa 桃金娘


Strobilanthes cusia 馬藍


Tibouchina semidecandra 巴西野牡丹

HEDGE


Aglaia odorata 米仔蘭


Murraya paniculata 九里香


Osmanthus fragrans 桂花

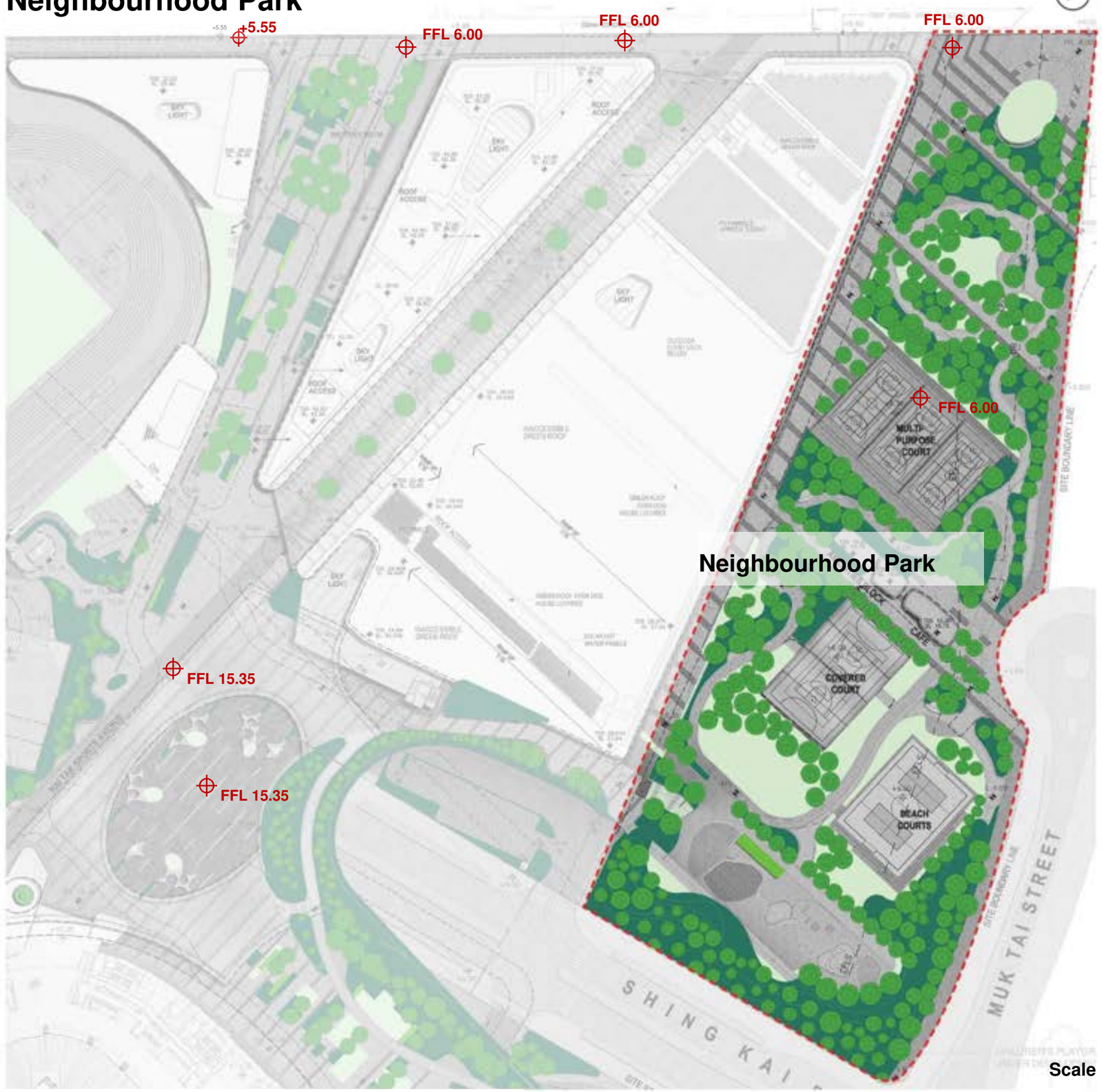
Hedge	BOTANICAL NAME	CHINESE NAME	SIZE (HEIGHT_H X SPREAD_SP) mm	SPACING mm	PLANT RATIO
Aod	Aglaia odorata	米仔蘭	600H X 450SP	350	9.426/m2
Mpa	Murraya paniculata	九里香	500H X 400SP	300	12.830/m2
Ofr	Osmanthus fragrans	桂花	600H x 500SP	400	7.217/m2

Shurb/ Ground Cover	BOTANICAL NAME	CHINESE NAME	SIZE (HEIGHT_H X SPREAD_SP) mm	SPACING mm	PLANT RATIO
Rho	Rhododendron hongkongense	香港杜鵑	400H x 300SP	200	28.868/m2
Rin	Rhapniolepis indica	車輪梅	500H x 400SP	300	12.830/m2
Rmu	Rhododendron mucro-natum	白杜鵑	500H x 400SP	300	12.830/m2
Rmul	Rhapis multifida	金山棕竹	1000H x 600SP	500	4.619/m2
Rpu	Rhododendron pul-chrum	錦繡杜鵑	600H x 500SP	400	7.217/m2
Rsi	Rhododendron simsii	紅杜鵑	500H x 400SP	300	12.830/m2
Rto	Rhodomyrtus tomentosa	桃金娘	400H x 350SP	250	18.475/m2
Scu	Strobilanthes cusia	馬藍	300H x 300SP	200	28.868/m2
Tse	Tibouchina semide-candra	巴西野牡丹	400H x 300SP	200	28.868/m2

Figure A9.2 - Main Plaza - Shrubs & Groundcovers

Scale 1500@A3

Neighbourhood Park



TREE PLANNTG	BOTANICAL NAME	CHINESE NAME	SIZE (HEIGHT, H X SPREAD, SP) mm	DBH @ mm
AC	*Araucaria cunninghamii*	南洋杉	3000H x 2000SP	100
AH	*Araucaria heterophylla*	異葉南洋杉	3000H x 2000SP	100
BA	*Bauhinia acuminate*	白花羊蹄甲	3500H x 3000SP	100
BJ	*Bischofia javanica*	秋楓	9000H X 5000SP	300
BJ(1)	*Bischofia javanica*	秋楓	5000H X 4000SP	180
BV	*Bauhinia variegata*	宮粉羊蹄甲	3500H x 3000SP	100
CC	*Cerasus campanulata*	重瓣櫻花櫻桃	3500H x 3000SP	100
CJ	*Cassia javanica var. indochinensis*	節果決明	4000H x 3500SP	120
CSP	*Cerasus speciosa*	大島櫻	3500H x 3000SP	100
DC	*Dolichandrone cauda-felina*	貓尾木	4000H x 3000SP	100
DD	*Dracontomelon dupereanum*	人面子	5000H X 4000SP	200
IR	*Ilex rotunda var. microcarpa*	小果鐵冬青	3000H x 2500SP	100
KB	*Koelreuteria bipinnata*	複羽葉欒樹	8000H x 5000SP	300
KB(1)	*Koelreuteria bipinnata*	複羽葉欒樹	5000H x 4000SP	180
MG	*magnolia garrettiana*	荷花玉蘭	3000H x 2500SP	100
PC	*Pyrus calleryana*	豆梨	2500H x 2000SP	100
PG	*Punica granatum*	石榴	2500H x 2000SP	100
PM	*Podocarpus macrophyllus*	羅漢松	2500H x 2000SP	100
PN	*Podocarpus Nagi*	竹柏	3500H x 3000SP	100
PS	*Prunus serrulifolia*	石櫻	3000H x 2500SP	100
PT	*Prunus yunnanensis 'Guangzhou'*	廣州櫻	3500H x 3000SP	100
SC	*Sygyalum cumini*	蒲桃蓮霧	4000H x 3000SP	100
TC	*Tabebuia chrysantha*	黃花風鈴木	4000H x 3000SP	120
TM	*Terminalia mantaly*	錦葉欖仁	5000H x 3000SP	100
TMT	*Terminalia mantaly cv. Tricolor*	錦葉欖仁	4000H x 3000SP	100
TR	*Tabebuia rosea*	洋紅風鈴木	4000H x 3000SP	120
UP	*Ulmus parvifolia*	榔榆	9000H X 5000SP	300
UP(1)	*Ulmus parvifolia*	榔榆	6000H X 4000SP	200
XC	*Xanthoceras chrysanthus*	金鏈樹	3500H x 3000SP	100

Scale 1500@A3

Figure A10 - Neighbourhood Park - Trees

Neighbourhood Park

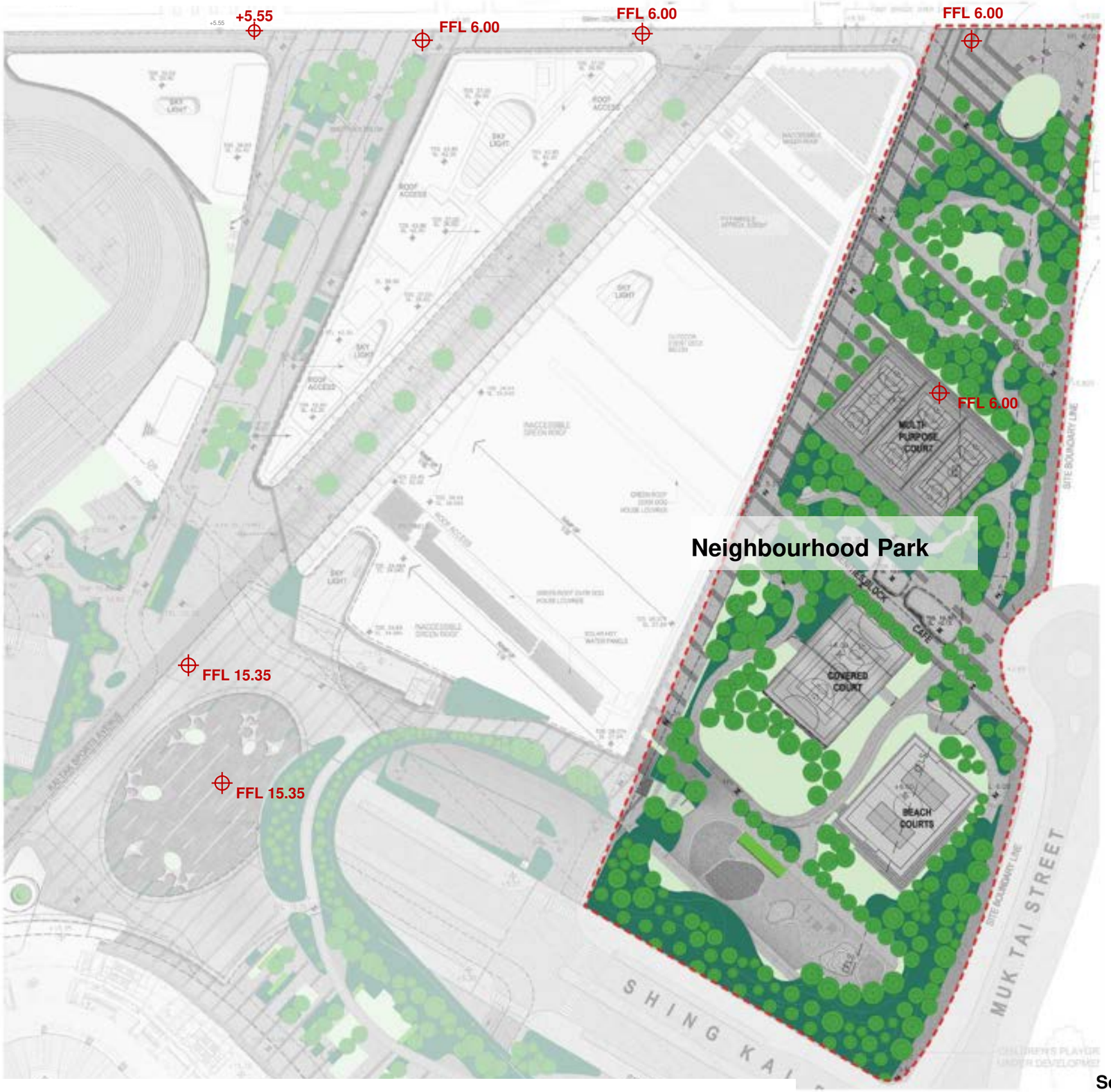
SHRUB

Shurb/ Ground Cover	BOTANICAL NAME	CHINESE NAME	SIZE (HEIGHT_H X SPREAD_SP) mm	SPACING mm	PLANT RATIO
Aden	Asparagus densiflorus	狐尾天冬	300H x 200SP	100	115.470/m2
Agl	Aglaonema 'Red Valentine'	粗肋草	300H x 200SP	100	115.470/m2
Agr	Arundina graminifoli	竹葉蘭	400H X 300SP	200	28.868/m2
Asa	Angelonia salicariifolia	天使花	300H x 200SP	100	115.470/m2
Bga	Bauhinia galpinii	嘉氏羊蹄甲	1200H x 800SP	700	2.357/m2
Cin	Crossandra infundibuliformis	雀尾花	200H x 200SP	100	115.470/m2
Col	Camellia oleifera	油茶	800H X 500SP	400	7.217/m2
Cpu	Caesalpinia pulcherrima	洋金鳳	800H x 600SP	500	4.619/m2
Dam	Dieffenbachia amoena	夏雪萬年青	400H X 300SP	200	28.868/m2
Hpa	Hamelia patens	希美利	800H X 500SP	400	7.217/m2
Hrs	Hibiscus rosa-sinensis	大紅花	600H x 400SP	300	12.830/m2
Ixo	Ixora 'Prince of Orange'	橙花龍船花	400H X 300SP	200	28.868/m2
Lmo	Lantana montevidensis	小葉馬纓丹	300H x 300SP	200	28.868/m2
Nau	Nephrolepis auriculata	腎蕨	200H x 200SP	100	115.470/m2
Oxo	Otacanthus coeruleus	藍金花	300H x 200SP	100	115.470/m2
Pau	Plumbago auriculata	藍雪花	400H X 300SP	200	28.868/m2
Pta	Phaius tankervilliae	鶴頂蘭	300H x 300SP	200	28.868/m2
Rmu	Rhododendron mucronatum	白杜鵑	500H x 400SP	300	12.830/m2
Rpu	Rhododendron pulchrum	錦繡杜鵑	600H x 500SP	400	7.217/m2
Rsi	Rhododendron simsii	紅杜鵑	500H x 400SP	300	12.830/m2

Scale 1500@A3

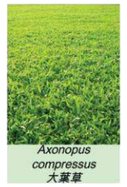
Figure A10.1 - Neighbourhood Park - Shrubs & Groundcovers

Neighbourhood Park



SHRUB

LAWN



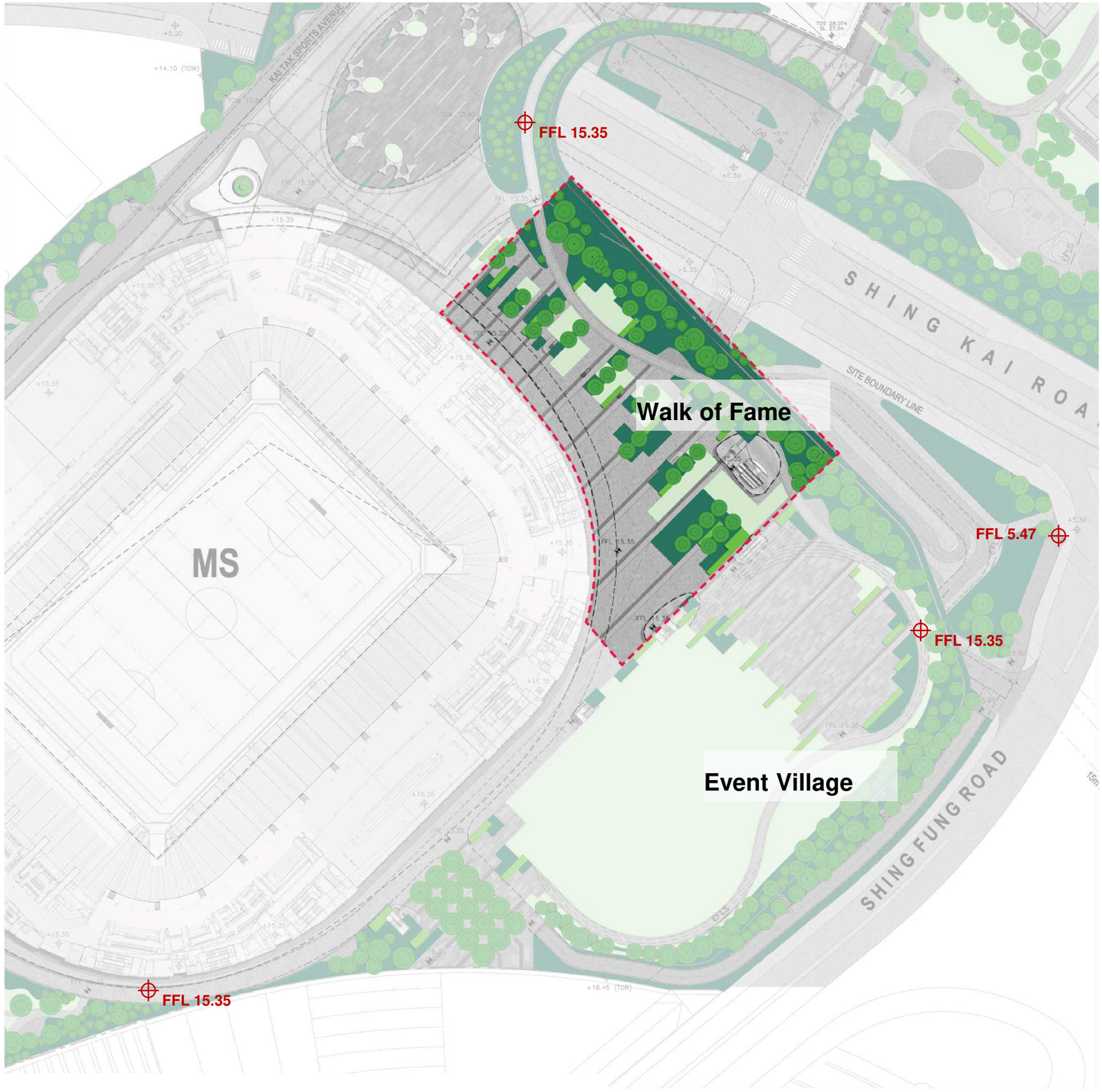
Shurb/ Ground Cover	BOTANICAL NAME	CHINESE NAME	SIZE (HEIGHT_H X SPREAD_SP) mm	SPACING mm	PLANT RATIO
Rto	Rhodomyrtus tomentosa	桃金娘	400H x 350SP	250	18.475/m2
Sfa	Salvia farinacea	藍花鼠尾草	300H x 200SP	100	115.470/m2
Sun	Selaginella uncinata	翠雲草	100H x 200SP	100	115.470/m2
Tse	Tibouchina semide-candra	巴西野牡丹	400H x 300SP	200	28.868/m2
Tul	Turnera ulmifolia	黃時鐘花	600H x 400SP	300	12.830/m2
Zca	Zephyranthes candida	白花葡萄	100H x 200SP	100	115.470/m2
Zgr	Zephyranthes gran-diflora	紅花葡萄	100H x 200SP	100	115.470/m2

Lawn	BOTANICAL NAME	CHINESE NAME	SIZE mm	SPACING mm	PLANT RATIO
Aco	Axonopus compressus	地毯草(大葉草)	300 X 300 (turf)	Full Coverage	/

Scale 1500@A3

Figure A10.2 - Neighbourhood Park – Shrubs & Groundcovers

Walk of Fame



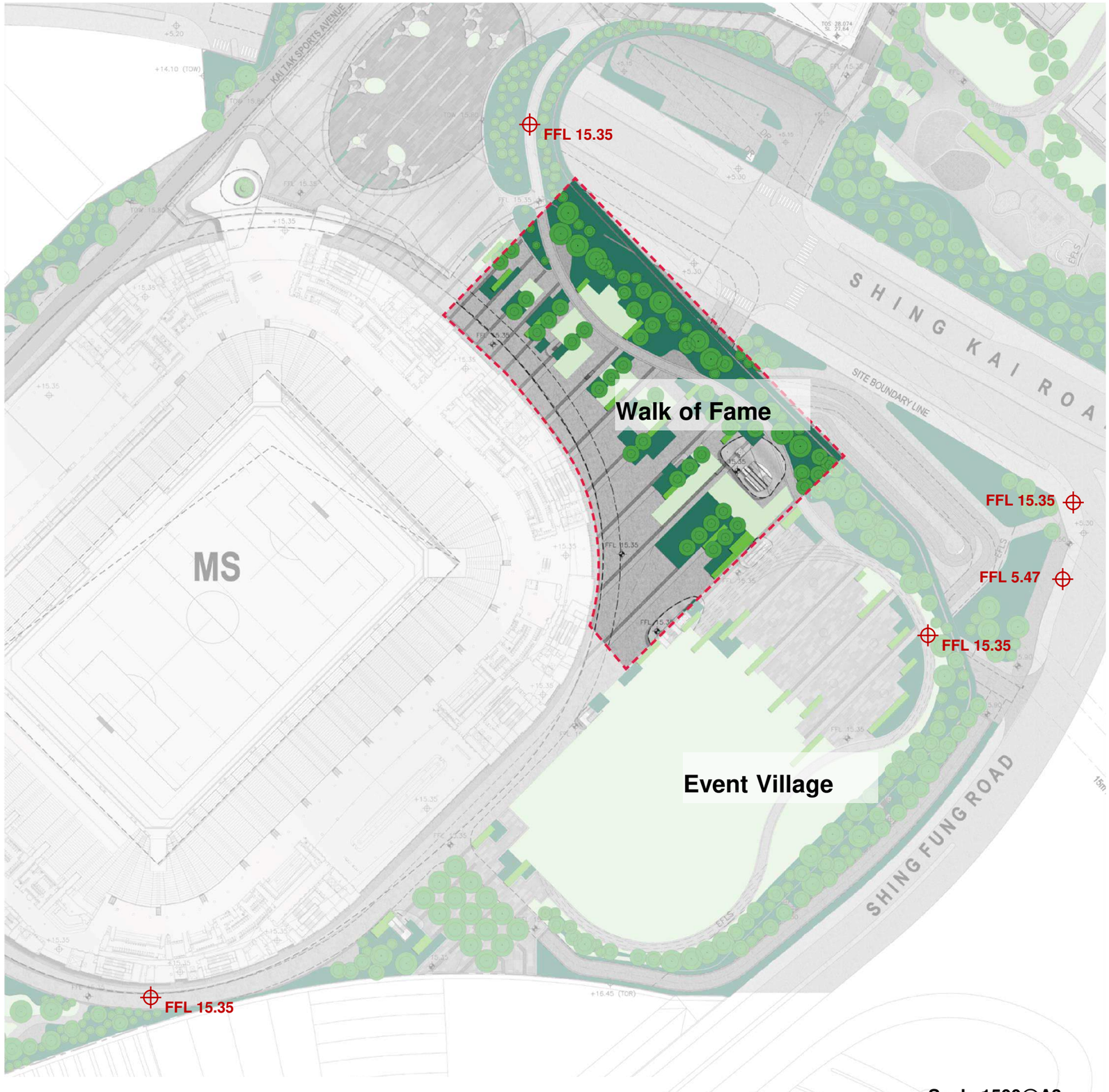
TREE PLANTING

TREE PLANINTG	BOTANICAL NAME	CHINESE NAME	SIZE (HEIGHT_H X SPREAD_SP) mm	DBH Φ mm
AC	*Araucaria cunninghamii*	*南洋杉*	3000H x 2000SP	100
AH	*Araucaria heterophylla*	*異葉南洋杉*	3000H x 2000SP	100
BJ	*Bischofia javanica*	*秋楓*	8000H X 5000SP	300
BJ(1)	*Bischofia javanica*	*秋楓*	5000H X 4000SP	180
BV	*Bauhinia variegate*	*宮粉羊蹄甲*	3500H x 3000SP	100
IR	*Ilex rotunda var. microcarpa*	*小果鐵冬青*	3000H x 2500SP	100
LF	*Liquidambar formosana*	*楓香*	5000H x 3000SP	150
LL	*Ligustrum lucidum*	*大葉女貞*	3000H x 2500SP	100
MG	*magnolia gandiflora*	*荷花玉蘭*	3000H x 2500SP	100
OF	*Osmanthus fragrans*	*桂花*	2500H X 2000SP	100
PP	*Pongamia pinnata*	*水黃皮*	5000H X 4000SP	180
SC	*Syzyaium cumini*	*海南蒲桃*	4000H x 3000SP	100
XC	*Xanthostemon chrysanthus*	*金蒲桃*	3500H x 3000SP	100

Scale 1500@A3

Figure A11 - Walk of Fame- Trees

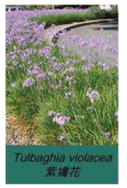
Walk of Fame

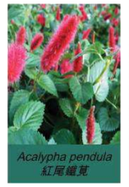


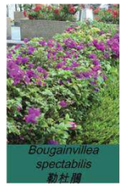
SHRUB

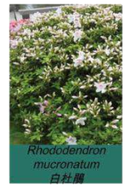

Alternanthera dentata cv. Red Marble 錦葉紅龍草

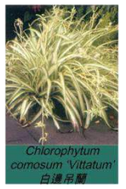

Calathea makoyana 孔雀竹芋

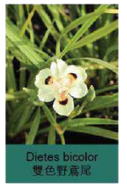

Tulbaghia violacea 紫娉花

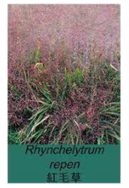

Acalypha pendula 紅尾鐵莧

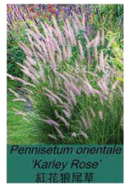

Bougainvillea spectabilis 勒杜鵑


Rhododendron mucronatum 白杜鵑


Chlorophytum comosum 'Vittatum' 白邊吊蘭


Dietes bicolor 雙色野鳶尾

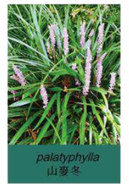

Rhynchelytrum repen 紅毛草

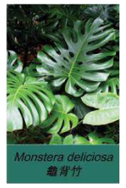

Pennisetum orientale 'Karley Rose' 紅花狼尾草

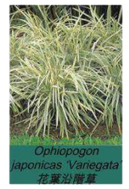

Iris tectorum Maxim 藍蝴蝶

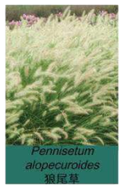

Lespedeza formosa 美麗胡枝子


Lantana montevidensis 小葉馬纓丹


palatyphylla 山麥冬


Monstera deliciosa 龜背竹


Ophiopogon japonicas 'Variegata' 花葉沿階草


Pennisetum alopecuroides 狼尾草


Pennisetum setaceum 'Fireworks' 花葉狼尾草


Michelia figo 'Port Wine' 紅花含笑

HEDGE


Aglaia odorata 米仔蘭


Syzygium rehderianum 紅枝蒲桃

LAWN


Axonopus compressus 大葉草

Hedge	BOTANICAL NAME	CHINESE NAME	SIZE (HEIGHT_H X SPREAD_SP) mm	SPACING mm	PLANT RATIO
Aod	Aglaia odorata	米仔蘭	600H X 450SP	350	9.426/m2
Sre	Syzygium rehderianum	紅枝蒲桃	1200H x 600SP	500	4.619/m2

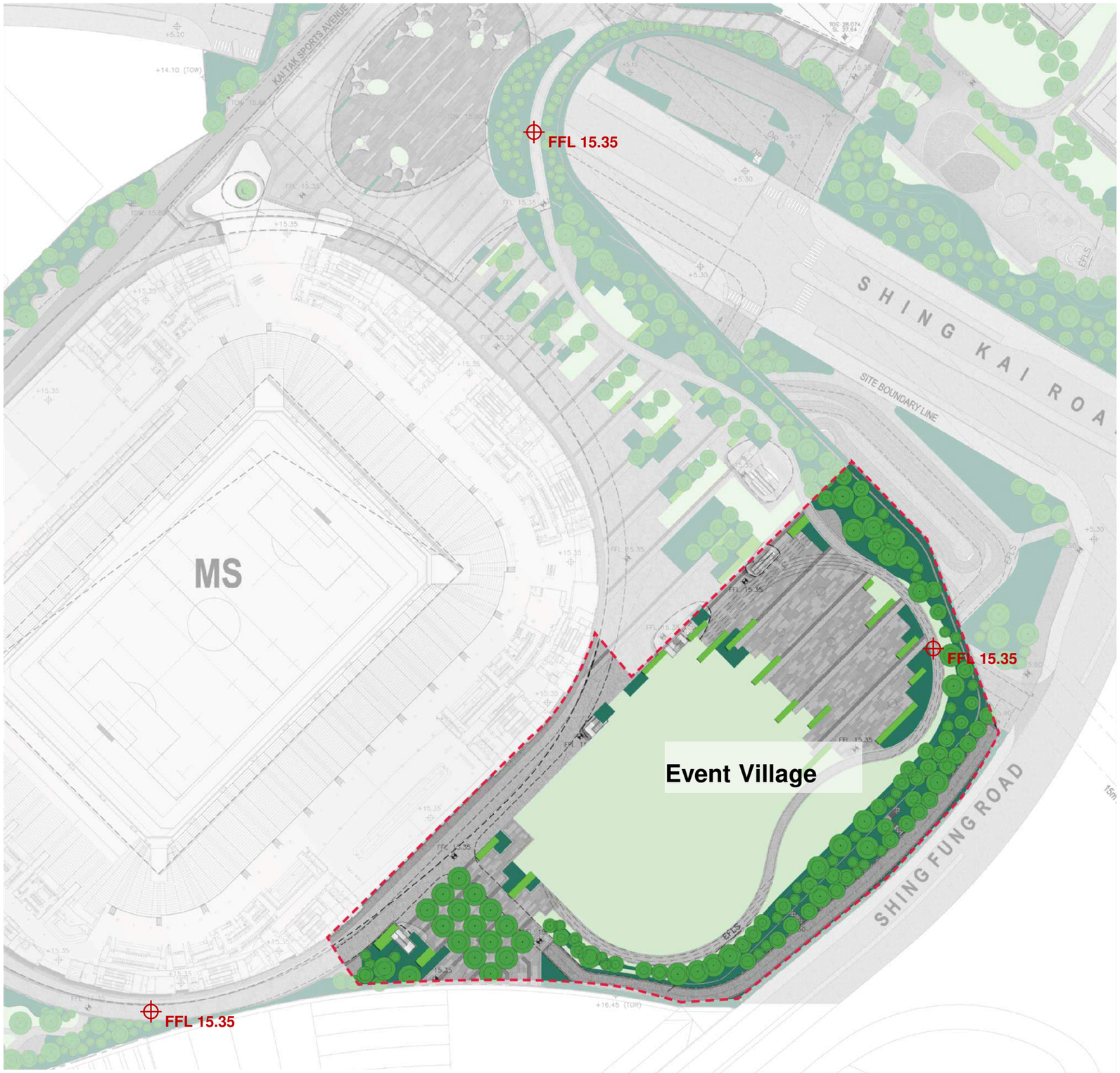
Lawn	BOTANICAL NAME	CHINESE NAME	SIZE mm	SPACING mm	PLANT RATIO
Aco	Axonopus compressus	地毯草(大葉草)	300 X 300 (turf)	Full Coverage	/

Shurb/ Ground Cover	BOTANICAL NAME	CHINESE NAME	SIZE (HEIGHT_H X SPREAD_SP) mm	SPACING mm	PLANT RATIO
Ade	Alternanthera dentata cv. Red Marble	錦葉紅龍草	300H x 250SP	150	51.320/m2
Ape	Acalypha pendula	紅尾鐵莧	100H x 200SP	100	115.470/m2
Bsp	Bougainvillea spectabilis	勒杜鵑	1000H x 500SP	400	7.217/m2
Cco	Chlorophytum comosum 'Vittatum'	白邊吊蘭	200H x 200SP	100	115.470/m2
Cma	Calathea makoyana	孔雀竹芋	300H x 200SP	100	115.470/m2
Dbi	Dietes bicolor	雙色野鳶尾	400H x 300SP	200	28.868/m2
Ite	Iris tectorum Maxim	藍蝴蝶	300H x 200SP	100	115.470/m2
Lfo	Lespedeza formosa	美麗胡枝子	800H x 500SP	400	7.217/m2
Lmo	Lantana montevidensis	小葉馬纓丹	300H x 300SP	200	28.868/m2
Lsp	Liriope spicata	山麥冬	200H x 200SP	100	115.470/m2
Mde	Monstera deliciosa	龜背竹	800H x 500SP	400	7.217/m2
Mfi	Michelia figo 'Port Wine'	紅花含笑	500H x 400SP	300	12.830/m2
Oja	Ophiopogon japonicas 'Variegata'	花葉沿階草	100H x 200SP	100	115.470/m2
Pal	Pennisetum alopecuroides	狼尾草	800H x 350SP	250	18.475/m2
Por	Pennisetum orientale 'Karley Rose'	紅花狼尾草	600H x 350SP	250	18.475/m2
Pse	Pennisetum setaceum 'Fireworks'	花葉狼尾草	400H x 350SP	250	18.475/m2
Rmu	Rhododendron mucronatum	白杜鵑	500H x 400SP	300	12.830/m2
Sre	Syzygium rehderianum	紅枝蒲桃	1200H x 600SP	500	4.619/m2
Tvi	Tulbaghia violacea	紫娉花	200H x 200SP	100	115.470/m2
Rre	Rhynchelytrum repens	紅毛草	300H x 250SP	150	51.320/m2

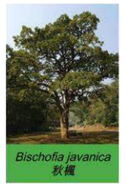
Scale 1500@A3

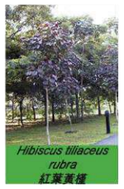
Figure A11.1 - Walk of Fame - Shrubs & Groundcovers

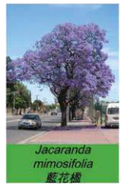
Event Village

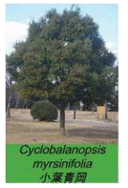


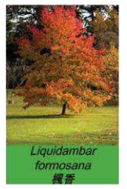
TREE PLANTING

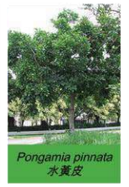


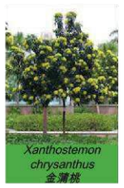










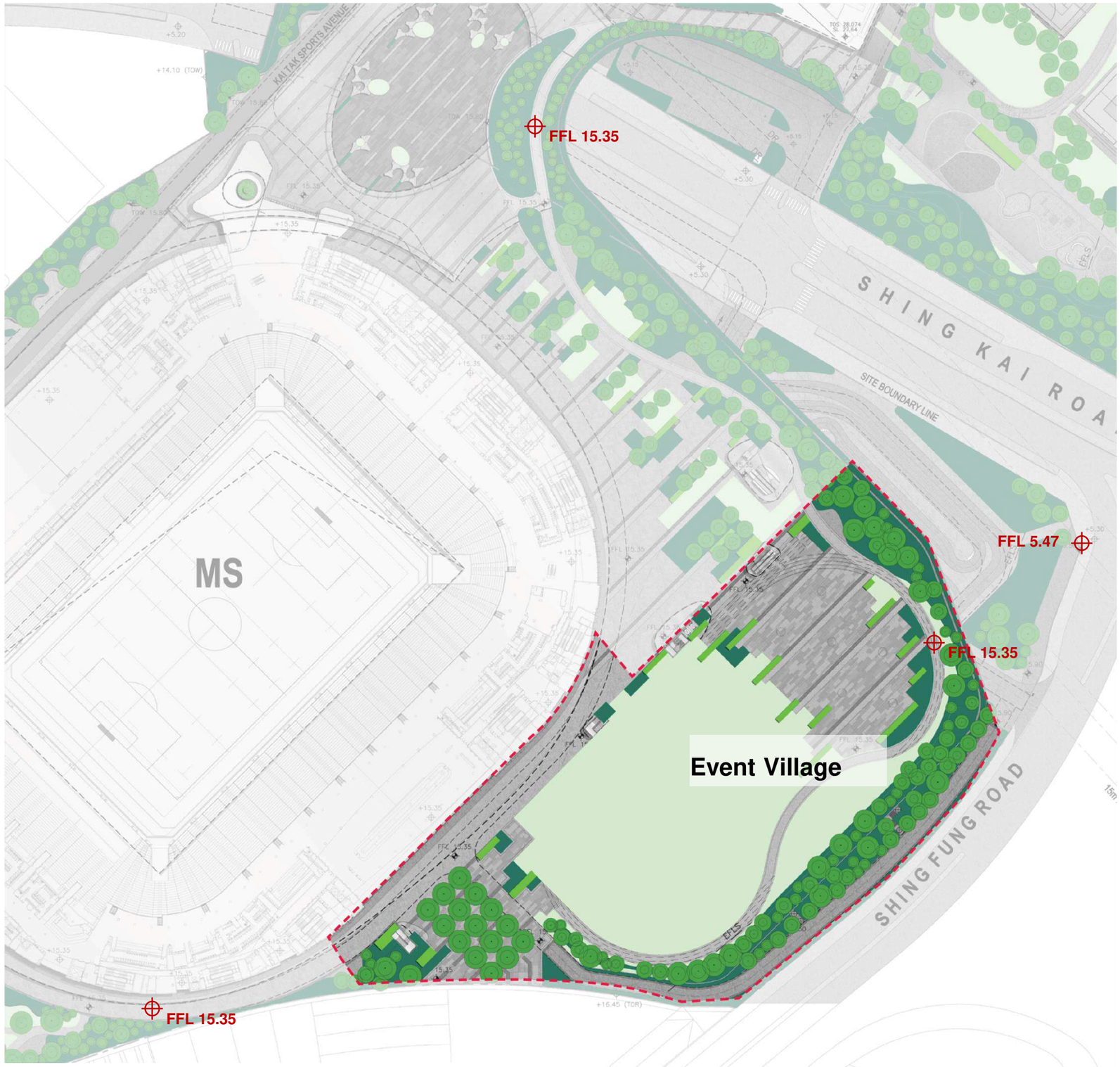


TREE PLANINTG	BOTANICAL NAME	CHINESE NAME	SIZE (HEIGHT_H X SPREAD_SP) mm	DBH Φ mm
AC	*Araucaria cunninghamii*	*南洋杉*	3000H x 2000SP	100
BJ	*Bischofia javanica*	*秋楓*	8000H X 5000SP	300
BJ(1)	*Bischofia javanica*	*秋楓*	5000H X 4000SP	180
BV	*Bauhinia variegate*	*宮粉羊蹄甲*	3500H x 3000SP	100
CCA	*Cinnamomum camphora*	*樟*	5000H X 4000SP	200
CM	*Cyclobalanopsis myrsinifolia*	*小葉青岡*	5000H X 4000SP	200
DC	*Dolichandrone caudafelina*	*貓尾木*	4000H x 3000SP	100
HT(1)	*Hibiscus tiliaceus rubra*	*紅葉黃槿*	4000H x 3500SP	150
JM	*Jacaranda mimosifolia*	*藍花楹*	8000H x 5000SP	300
LF	*Liquidambar formosana*	*楓香*	5000H x 3000SP	150
LL	*Ligustrum lucidum*	*大葉女貞*	3000H x 2500SP	100
MB	*Melaleuca bracteata "Revolution Gold"*	*黃金串錢柳*	2500H x 2000SP	100
PP	*Pongamia pinnata*	*水黃皮*	5000H X 4000SP	180
SC	*Syzyaium cumini*	*海南蒲桃*	4000H x 3000SP	100
XC	*Xanthostemon chrysanthus*	*金蒲桃*	3500H x 3000SP	100

Scale 1500@A3

Figure A12 - Event Village - Trees

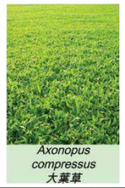
Event Village



SHRUB

HEDGE

LAWN



Hedge	BOTANICAL NAME	CHINESE NAME	SIZE (HEIGHT_H X SPREAD_SP) mm	SPACING mm	PLANT RATIO
Aod	Aglaia odorata	米仔蘭	600H X 450SP	350	9.426/m2
Cmi	Carmona microphylla	福建茶	600H x 400SP	300	12.830/m2
Sfo	Serissa foetida	金邊六月雪	300H x 300SP	200	28.868/m2
Sre	Syzygium rehderianum	紅枝蒲桃	1200H x 600SP	500	4.619/m2
Lawn	BOTANICAL NAME	CHINESE NAME	SIZE mm	SPACING mm	PLANT RATIO
Aco	Axonopus compressus	地毯草(大葉草)	300 X 300 (turf)	Full Coverage	/

Shurb/ Ground Cover	BOTANICAL NAME	CHINESE NAME	SIZE (HEIGHT_H X SPREAD_SP) mm	SPACING mm	PLANT RATIO
Ade	Alternanthera dentata cv. Red Marble	錦葉紅龍草	300H x 250SP	150	51.320/m2
Adu	Arachis duranensis	蔓花生	50H x 150SP	100	115.470/m2
Ape	Acalypha pendula	紅尾鐵莧	100H x 200SP	100	115.470/m2
Bsp	Bougainvillea spectabilis	勒杜鵑	1000H x 500SP	400	7.217/m2
Cma	Calathea makoyana	孔雀竹芋	300H x 200SP	100	115.470/m2
Cro	Calathea roseopicta	彩虹竹芋	300H x 200SP	100	115.470/m2
Dbi	Dietes bicolor	雙色野鳶尾	400H x 300SP	200	28.868/m2
Eau	Epipremnum aureum	黃金葛	100H x 200SP	100	115.470/m2
Ite	Iris tectorum Maxim	藍蝴蝶	300H x 200SP	100	115.470/m2
Lfo	Lespedeza formosa	美麗胡枝子	800H x 500SP	400	7.217/m2
Lmo	Lantana montevidensis	小葉馬纓丹	300H x 300SP	200	28.868/m2
Lsp	Liriope spicata	山麥冬	200H x 200SP	100	115.470/m2
Mde	Monstera deliciosa	龜背竹	800H x 500SP	400	7.217/m2
Mfi	Michelia figo 'Port Wine'	紅花含笑	500H x 400SP	300	12.830/m2
Oja	Ophiopogon japonicas 'Variegata'	花葉沿階草	100H x 200SP	100	115.470/m2
Pal	Pennisetum alopecuroides	狼尾草	800H x 350SP	250	18.475/m2
Pse	Pennisetum setaceum 'Fireworks'	花葉狼尾草	400H x 350SP	250	18.475/m2
Rmu	Rhododendron mucronatum	白杜鵑	500H x 400SP	300	12.830/m2
Rmul	Rhapis multifida	金山棕竹	1000H x 600SP	500	4.619/m2
Rre	Rhynchelytrum repens	紅毛草	300H x 250SP	150	51.320/m2
Tvi	Tulbaghia violacea	紫娉花	200H x 200SP	100	115.470/m2

Figure A12.1 - Event Village - Shrubs & Groundcovers

Scale 1500@A3

Harbourfront Promenade

TREE PLANTING

TREE PLANTO	BOTANICAL NAME	CHINESE NAME	SIZE (HEIGHT_H X SPREAD_SP) m m	DBH @ mm
AJ	*Araucaria julibrissin*	合歡	5000H X 4000SP	200
BJ	*Bischofia javanica*	秋楓	8000H X 5000SP	300
BJ(1)	*Bischofia javanica*	秋楓	5000H X 4000SP	180
CC	*Callistemon citrinus*	美花紅千層	3000H x 2500SP	100
CN	*Casuarina nana*	千頭木麻黃	2000H x 2000SP	100
CNE	*Cleistocalyx nervosum*	水翁	5000H X 4000SP	200
CEB	*Ceiba speciosa*	美人樹	5000H X 4000SP	300
CES(1)	*Ceiba speciosa*	美人樹	5000H X 4000SP	300
CES(2)	*Ceiba speciosa*	美人樹	5000H X 4000SP	300
HT	*Hibiscus tiliaceus rubra*	紅葉黃槿	6000H x 4000SP	200
HT(1)	*Hibiscus tiliaceus rubra*	紅葉黃槿	4000H x 3500SP	150
LFR	*Leucophyllum frutescens*	紅花玉芙蓉	2000H x 2000SP	100
MB	*Melaleuca bracteata "Revolution Gold"*	黃金串錢柳	2500H x 2000SP	100
OE	*Olea europaea*	橄欖	2500H x 2000SP	100
RC	*Rhodoleia championi*	紅花荷	2500H x 2000SP	100
UP	*Ulmus parvifoli*	榔榆樹	8000H X 5000SP	300
UP(1)	*Ulmus parvifoli*	榔榆樹	6000H X 4000SP	200
XC	*Xanthostemon chrysanthus*	金蒲桃	3500H x 3000SP	100

Figure A13 - Harbourfront Promenade - Trees

Scale 1500@A3

Harbourfront Promenade

Lawn	BOTANICAL NAME	CHINESE NAME	SIZE mm	SPACING mm	PLANT RATIO
Axo	Axonopus compressus	地毯草(大葉草)	300 X 300 (turf)	Full Coverage	/

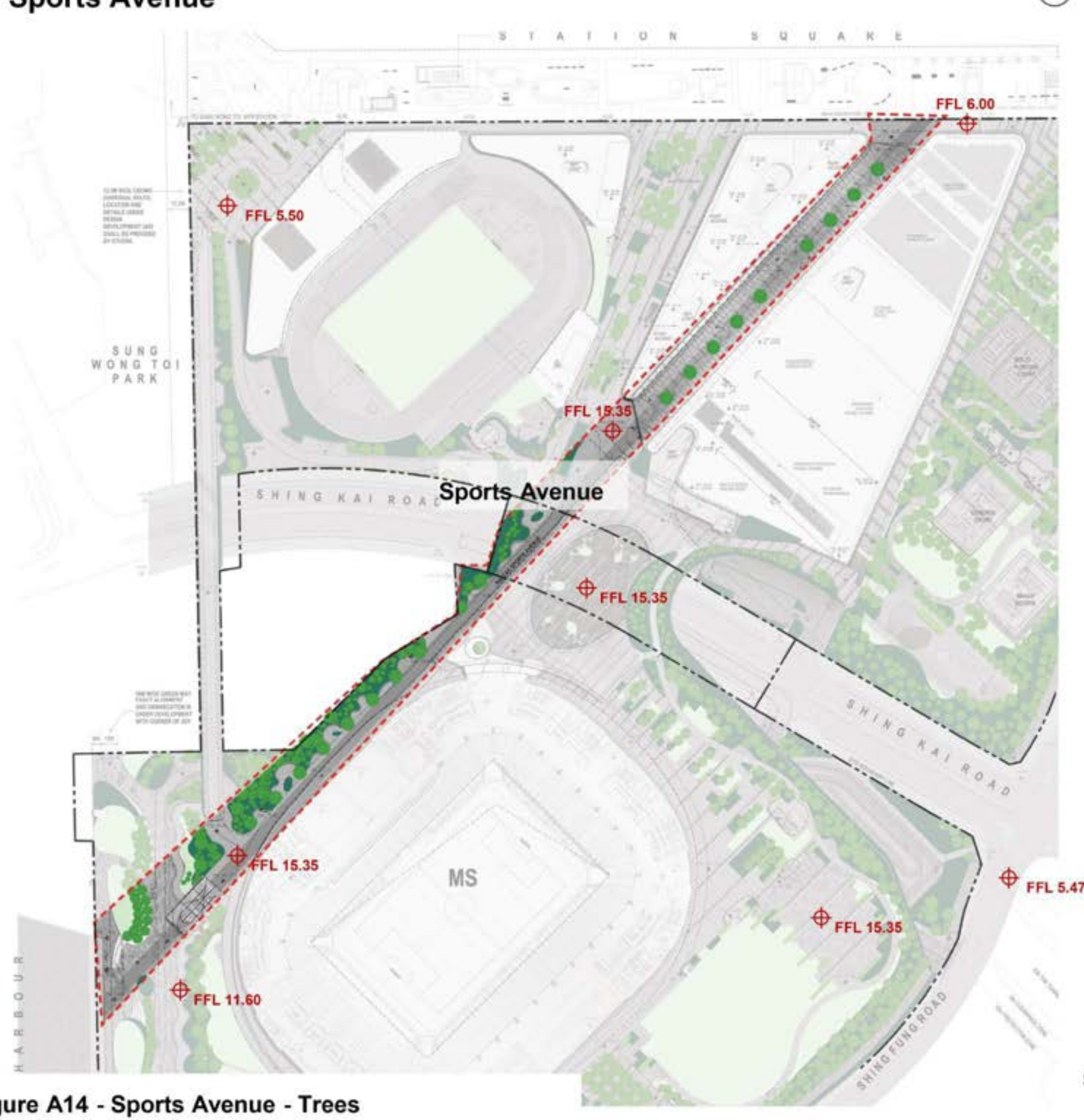
Shrub/ Ground Cover	BOTANICAL NAME	CHINESE NAME	SIZE (HEIGHT_H X SPREAD_SP) mm	SPACING mm	PLANT RATIO
Ang	Angelonia salicariifolia	天使花	300H x 200SP	100	115.470/m2
Bou	Bougainvillea spectabilis	簕杜鵑	1000H x 500SP	400	7.217/m2
Cge	Canna generalis cv. Striatus	金脈美人蕉	600H x 400SP	300	12.830/m2
Cup	Cuphea hyssopifolia	細葉雪茄花	300H x 300SP	200	28.868/m2
Cpu	Caesalpinia pulcherrima	洋金鳳	800H x 600SP	500	4.619/m2
Cpun	Centratherum punctatum	藍冠菊	300H x 300SP	200	28.868/m2
Dma	Dracaena marginata 'Tricolor'	三色彩葉龍	1200H x 400SP	300	12.830/m2
Dro	Dissotis rotundifolia	暴竹野牡丹	200H x 200SP	100	115.470/m2
Dre	Duranta repens variegata 'White Edge'	花葉假連翹	500H x 400SP	300	12.830/m2
Evo	Evolvulus nuttallianus	藍星花	300H x 300SP	200	28.868/m2
Ixa	Ixora coccinea var. Lutea	黃花龍船花	400H x 300SP	200	28.868/m2
Lpl	Liriope platyphylla	闊葉麥冬	300H x 200SP	100	115.470/m2
Rbr	Ruellia brittoniana Pink	粉花翠蘆莉	300H x 300SP	200	28.868/m2
Rin	Rhapnolepis indica	車輪梅	500H x 400SP	300	12.830/m2
Rto	Rhodomyrtus tomentosa	桃金娘	400H x 350SP	250	18.475/m2
Sfa	Salvia farinacea	藍花鼠尾草	300H x 200SP	100	115.470/m2
Sja	Stachytarpheta jamaicensis	假馬鞭草	400H x 300SP	200	28.868/m2
Tau	Tristellateia australasiae	全苞藤	500H x 400SP	300	12.830/m2
Ter	Thunbergia erecta	硬枝老鴉嘴	600H x 400SP	300	12.830/m2
Tse	Tibouchina semidecandra	巴西野牡丹	400H x 300SP	200	28.868/m2
Zca	Zephyranthes candida	白花葱蘭	100H x 200SP	100	115.470/m2

Climber	BOTANICAL NAME	CHINESE NAME	SIZE (Length_L)mm	SPACING mm	PLANT RATIO
Ale	Antigonon leptopus	珊瑚藤	1500L	100	/
Bgl	Bauhinia glauca	羊蹄甲藤	1500L	100	/

Scale 1500@A3

Figure A13.1 - Harbourfront Promenade - Shrubs & Groundcovers

Sports Avenue



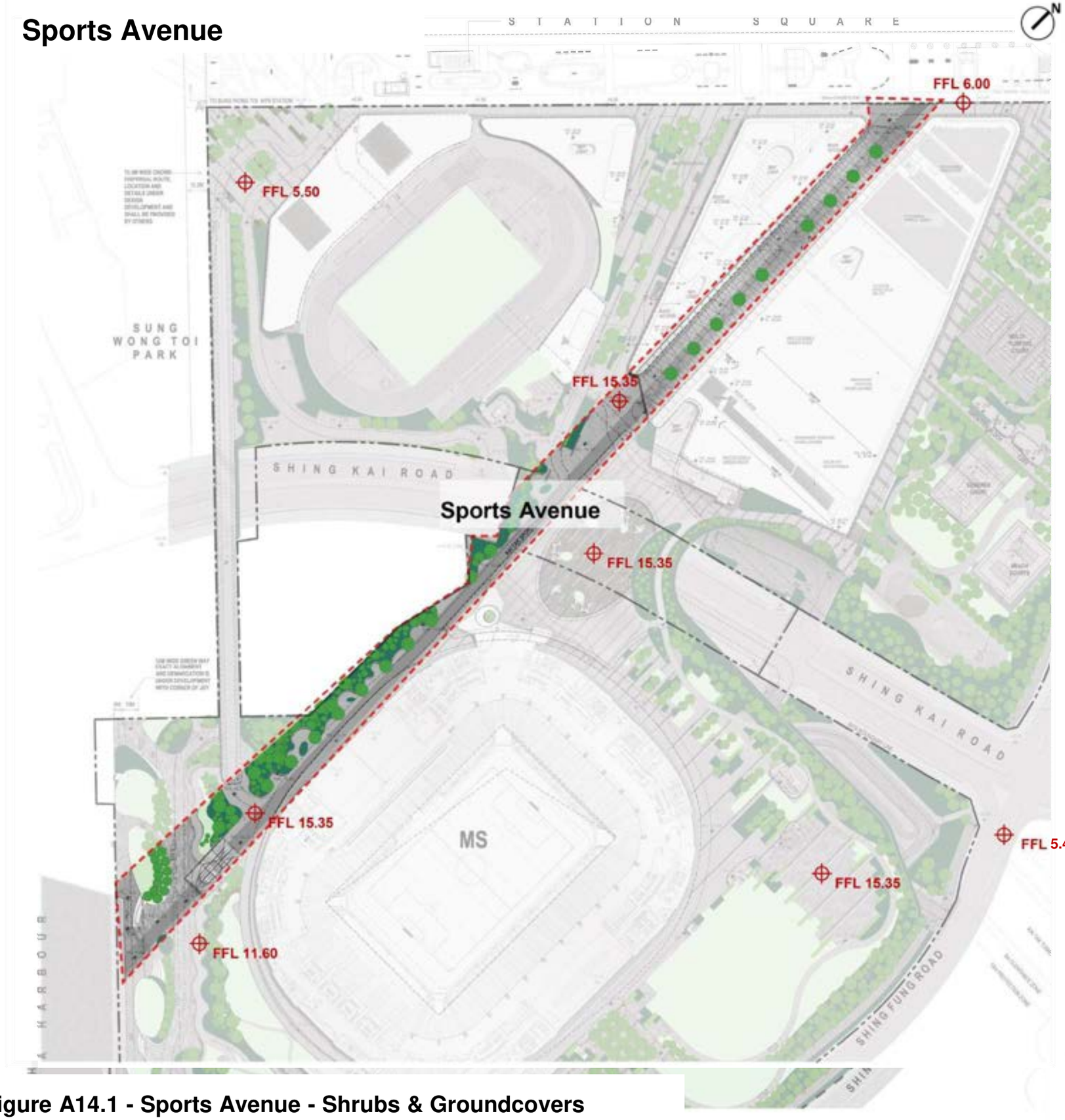
TREE PLANTING

TREE PLANNTG	BOTANICAL NAME	CHINESE NAME	SIZE (HEIGHT_H X SPREAD_SP) mm	DBH @ mm
BJ	*Bischofia javanica*	秋楓	8000H X 5000SP	360
CC	*Callistemon citrinus*	美花紅千層	3000H x 2500SP	100
CES	*Ceiba speciosa*	美人樹	5000H X 4000SP	360
CT	*Crateva trifoliata*	柄果魚木	5000H X 4000SP	200
HT	*Hibiscus tiliaceus rubra*	紅葉黃槿	6000H x 4000SP	260
HTLU	*Hibiscus tiliaceus rubra*	紅葉黃槿	4000H x 3500SP	150
LFR	*Leucophyllum frutescens*	紅花玉英球	2000H x 2000SP	100
LI	*Lagerstroemia indica*	紫薇	3000H x 2500SP	100
MB	*Melaleuca bracteata "Revolution Gold"*	黃金串錢柳	2500H x 2000SP	100
PT	*Pittosporum tonkinense*	海桐	6000H x 4000SP	200
RC	*Rhodoleia champoni*	紅花荷	2500H x 2000SP	100
SL	*Stercula lanceolata*	假蘋婆	3000H x 2500SP	100

Scale 2000@A3

Figure A14 - Sports Avenue - Trees

Sports Avenue

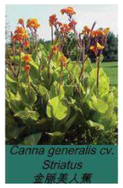


SHRUB

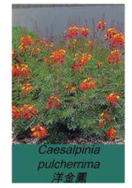

Angelonia salicariifolia 天使花

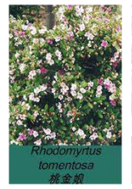

Ruellia brittoniana Pink 粉花翠蘆莉

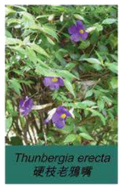

Tibouchina semidecandra 巴西野牡丹

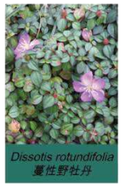

Canna generalis cv. Stnatus 金脈美人蕉


Duranta repens variegata 'WhiteEdge' 花葉假連翹


Caesalpinia pulcherrima 洋金鳳


Rhodomyrtus tomentosa 桃金娘


Thunbergia erecta 硬枝老鴉嘴


Dissotis rotundifolia 蔓性野牡丹

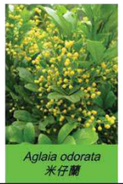

Salvia farinacea 藍花鼠尾草


Evolvulus nuttallianus 藍星花


Stachytarpheta jamaicensis 假馬鞭草


Rhaphiolepis indica 車輪梅

HEDGE


Aglaia odorata 米仔蘭

Hedge	BOTANICAL NAME	CHINESE NAME	SIZE (HEIGHT_H X SPREAD_SP) mm	SPACING mm	PLANT RATIO
Aod	Aglaia odorata	米仔蘭	600H X 450SP	350	9.426/m2
Shurb/ Ground Cover	BOTANICAL NAME	CHINESE NAME	SIZE (HEIGHT_H X SPREAD_SP) mm	SPACING mm	PLANT RATIO
Asa	Angelonia salicariifolia	天使花	300H x 200SP	100	115.470/m2
Cge	Canna generalis cv. Striatus	金脈美人蕉	600H x 400SP	300	12.830/m2
Cpu	Caesalpinia pulcherrima	洋金鳳	800H x 600SP	500	4.619/m2
Dro	Dissotis rotundifolia	蔓性野牡丹	200H x 200SP	100	115.470/m2
Drw	Duranta repens variega-ta 'White Edge'	花葉假連翹	500H x 400SP	300	12.830/m2
Enu	Evolvulus nuttallianus	藍星花	300H x 300SP	200	28.868/m2
Rbr	Ruellia brittoniana Pink	粉花翠蘆莉	300H x 300SP	200	28.868/m2
Rin	Rhapniolepis indica	車輪梅	500H x 400SP	300	12.830/m2
Rto	Rhodomyrtus tomentosa	桃金娘	400H x 350SP	250	18.475/m2
Sfa	Salvia farinacea	藍花鼠尾草	300H x 200SP	100	115.470/m2
Sja	Stachytarpheta jamai-censis	假馬鞭草	400H x 300SP	200	28.868/m2
Ter	Thunbergia erecta	硬枝老鴉嘴	600H x 400SP	300	12.830/m2
Tse	Tibouchina semide-candra	巴西野牡丹	400H x 300SP	200	28.868/m2

Scale 2000@A3

Figure A14.1 - Sports Avenue - Shrubs & Groundcovers

(A) Tree Species Selection

Planting Schedule (ZONE 1 - PSG)

TREE CODE	Family Name	Genus Name	Species Name	CHINESE NAME	NATIVE/ EXOTIC	Flowing/ Fruiting Season	Seasonal colour (flower/ foliage)	Environmental Stress Tolerance	SIZE
BJ	Euphorbiaceae	*Bischofia*	javanica	秋楓	NATIVE	SPRING TO SUMMER	GREEN (FOLIAGE)	HIGH	HIGH
BJ(1)	Euphorbiaceae	*Bischofia*	javanica	秋楓	NATIVE	SPRING TO SUMMER	GREEN (FOLIAGE)	HIGH	HIGH
PT	Caesalpiniaceae	*Peltophorum*	tonkinense	銀珠	EXOTIC	SPRING	YELLOW (FLOWER)	HIGH	HIGH
UP	Ulmaceae	*Ulmus*	parvifolia	榔榆樹	EXOTIC	AUTUMN TO WINTER	YELLOW (FOLIAGE)	MEDIUM	MEDIUM

Planting Schedule (ZONE 2 – Main Plaza)

TREE CODE	Family Name	Genus Name	Species Name	CHINESE NAME	NATIVE/ EXOTIC	Flowing/ Fruiting Season	Seasonal colour (flower/ foliage)	Environmental Stress Tolerance	SIZE
BJ	Euphorbiaceae	*Bischofia*	*javanica*	秋楓	NATIVE	SPRING TO SUMMER	GREEN (FOLIAGE)	HIGH	HIGH
BJ(1)	Euphorbiaceae	*Bischofia*	*javanica*	秋楓	NATIVE	SPRING TO SUMMER	GREEN (FOLIAGE)	HIGH	HIGH
CJA	Theaceae	*Camellia*	*japonica*	山茶花	EXOTIC	SPRING	RED (FLOWER)	MEDIUM	SMALL
HT	Malvaceae	*Hibiscus*	*tiliaceus rubra*	紅葉黃槿	EXOTIC	EVERGREEN	DARK PURPLE (FOLIAGE)	HIGH	MEDIUM
IR	Aquifoliaceae	*Ilex*	*rotunda var. microcarpa*	小果鐵冬青	NATIVE	SUMMER TO AUTUMN	WHITE (FLOWER) / RED (FRUIT)	MEDIUM	SMALL
MG	Magnoliaceae	*Magnolia*	*grandiflora*	荷花玉蘭	NATIVE	SPRING	WHITE (FLOWER)	MEDIUM	SMALL
CCR	Theaceae	*Camellia*	*crapnelliana*	紅皮糙果茶	NATIVE	WINTER TO SPRING	WHITE (FLOWER)	HIGH	MEDIUM
OF	Oleaceae	*Osmanthus*	*fragrans*	桂花	EXOTIC	WINTER TO SPRING	MILKY WHITE (FLOWER)	MEDIUM	SMALL
PR	Apocynaceae	*Plumeria*	*rubra*	雞蛋花	EXOTIC	SUMMER	RED (FLOWER)	HIGH	SMALL
RC	Hamamelidaceae	*Rhodoleia*	*championi*	紅花荷	NATIVE	SPRING TO SUMMER	RED (FLOWER)	HIGH	SMALL
XC	Myrtaceae	*Xanthostemon*	*chrysanthus*	金蒲桃	EXOTIC	SUMMER TO AUTUMN	YELLOW (FLOWER)	HIGH	SMALL

Table A3 - Tree Species (1 of 4)

(A) Tree Species Selection

Planting Schedule (ZONE 3 – Neighbourhood Park)

TREE CODE	Family Name	Genus Name	Species Name	CHINESE NAME	NATIVE/ EXOTIC	Flowing/ Fruiting Season	Seasonal colour (flower/ foliage)	Environmental Stress Tolerance	SIZE
AC	Araucariaceae	*Araucaria*	*cunninghamii*	南洋杉	EXOTIC	EVERGREEN	GREEN (FOLIAGE)	HIGH	MEDIUM
AH	Araucariaceae	*Araucaria*	*heterophylla*	異葉南洋杉	EXOTIC	EVERGREEN	GREEN (FOLIAGE)	HIGH	HIGH
BA	Caesalpiniaceae	*Bauhinia*	*acuminate*	白花羊蹄甲	EXOTIC	SPRING	WHITE (FLOWER)	HIGH	HIGH
BJ	Euphorbiaceae	*Bischofia*	*javanica*	秋楓	NATIVE	SPRING TO SUMMER	GREEN (FOLIAGE)	HIGH	HIGH
BJ(1)	Euphorbiaceae	*Bischofia*	*javanica*	秋楓	NATIVE	SPRING TO SUMMER	GREEN (FOLIAGE)	HIGH	HIGH
BV	Caesalpiniaceae	*Bauhinia*	*variegata*	宮粉羊蹄甲	EXOTIC	WINTER TO SPRING	PINK (FLOWER)	HIGH	MEDIUM
CC	Rosaceae	*Cerasus*	*campanulata*	重瓣鐘花櫻桃	EXOTIC	SPRING	RED (FLOWER)	MEDIUM	SMALL
CJ	Caesalpiniaceae	*Cassia*	*javanica var. indochinensis*	節果決明	EXOTIC	SPRING TO SUMMER	PINK (FLOWER)	MEDIUM	MEDIUM
CSP	Rosaceae	*Cerasus*	*speciosa*	大島櫻	EXOTIC	SPRING	WHITE (FLOWER)	MEDIUM	SMALL
DC	Bignoniaceae	*Dolichandrone*	*caudafelina*	貓尾木	EXOTIC	WINTER	YELLOW (FLOWER)	HIGH	MEDIUM
DD	Anacardiaceae	*Dracontomelon*	*duperreanum*	人面子	EXOTIC	EVERGREEN	GREEN (FOLIAGE)	HIGH	HIGH
IR	Aquifoliaceae	*Ilex*	*rotunda var. microcarpa*	小果鐵冬青	NATIVE	SUMMER TO AUTUMN	WHITE (FLOWER) / RED (FRUIT)	MEDIUM	SMALL
KB	Sapindaceae	*Koelreuteria*	*bipinnata*	複羽葉欒樹	EXOTIC	SUMMER TO AUTUMN	YELLOW (FLOWER) / RED (FRUIT)	HIGH	HIGH
KB(1)	Sapindaceae	*Koelreuteria*	*bipinnata*	複羽葉欒樹	EXOTIC	SUMMER TO AUTUMN	YELLOW (FLOWER) / RED (FRUIT)	HIGH	LARGE
MG	Magnoliaceae	*Magnolia*	*grandiflora*	荷花玉蘭	NATIVE	SPRING	WHITE (FLOWER)	MEDIUM	SMALL
PC	Rosaceae	*Pyrus*	*calleryana*	豆梨	NATIVE	SPRING	WHITE (FLOWER)	MEDIUM	SMALL
PG	Lythraceae	*Punica*	*granatum*	石榴	EXOTIC	SUMMER	RED (FLOWER)	MEDIUM	SMALL
PM	Podocarpaceae	*Podocarpus*	*macrophyllus*	羅漢松	NATIVE	EVERGREEN	GREEN (FOLIAGE)	HIGH	SMALL
PN	Podocarpaceae	*Podocarpus*	*nagi*	竹柏	EXOTIC	EVERGREEN	GREEN (FOLIAGE)	HIGH	HIGH
PS	Rosaceae	*Photinia*	*serratifolia*	石楠	EXOTIC	EVERGREEN	GREEN AND RED (FOLIAGE)	HIGH	MEDIUM
PY	Rosaceae	*Prunus*	*yunnanensis 'Guangzhou'*	廣州櫻	EXOTIC	SPRING	PINK (FLOWER)	MEDIUM	SMALL
SC	Myrtaceae	*Syzyaium*	*cumini*	海南蒲桃	EXOTIC	SPRING	WHITE (FLOWER)	HIGH	HIGH
SS	Euphorbiaceae	*Sapium*	*sebiferum*	烏桕	NATIVE	AUTUMN TO WINTER	YELLOW / ORANGE/ RED (FOLIAGE)	HIGH	MEDIUM
TC	Bignoniaceae	*Tabebuia*	*chrysantha*	黃花風鈴木	EXOTIC	SPRING	YELLOW (FLOWER)	HIGH	MEDIUM
TD	Taxodiaceae	*Taxodium*	*distichum*	落羽杉	EXOTIC	AUTUMN TO WINTER	YELLOW/ RED (FOLIAGE)	MEDIUM	MEDIUM
TM	Combretaceae	*Terminalia*	*mantaly*	細葉欖仁	EXOTIC	EVERGREEN	GREEN (FOLIAGE)	HIGH	HIGH
TMT	Combretaceae	*Terminalia*	*mantaly cv.Tricolor*	錦葉欖仁	EXOTIC	SPRING TO AUTUMN	WHITE/ PURPLE / GREEN (FOLIAGE)	HIGH	MEDIUM
TR	Bignoniaceae	*Tabebuia*	*rosea*	洋紅風鈴木	EXOTIC	SPRING	RED (FLOWER)	HIGH	MEDIUM
UP	Ulmaceae	*Ulmus*	*parvifolia*	榔榆樹	EXOTIC	AUTUMN TO WINTER	YELLOW (FOLIAGE)	MEDIUM	HIGH
UP(1)	Ulmaceae	*Ulmus*	*parvifolia*	榔榆樹	EXOTIC	AUTUMN TO WINTER	YELLOW (FOLIAGE)	MEDIUM	HIGH
XC	Myrtaceae	*Xanthostemon*	*chrysanthus*	金蒲桃	EXOTIC	SUMMER TO AUTUMN	YELLOW (FLOWER)	HIGH	SMALL

Table A3 - Tree Species (2 of 4)

(A) Tree Species Selection

Planting Schedule (ZONE 4 - Walk of Fame)

TREE CODE	Family Name	Genus Name	Species Name	CHINESE NAME	NATIVE/ EXOTIC	Flowing/ Fruiting Season	Seasonal colour (flower/ foliage)	Environmental Stress Tolerance	SIZE
AC	Araucariaceae	*Araucaria*	*cunninghamii*	南洋杉	EXOTIC	EVERGREEN	GREEN (FOLIAGE)	HIGH	MEDIUM
AH	Araucariaceae	*Araucaria*	*heterophylla*	異葉南洋杉	EXOTIC	EVERGREEN	GREEN (FOLIAGE)	HIGH	HIGH
BJ	Euphorbiaceae	*Bischofia*	*javanica*	秋楓	NATIVE	SPRING TO SUMMER	GREEN (FOLIAGE)	HIGH	HIGH
BJ(1)	Euphorbiaceae	*Bischofia*	*javanica*	秋楓	NATIVE	SPRING TO SUMMER	GREEN (FOLIAGE)	HIGH	HIGH
BV	Caesalpiniaceae	*Bauhinia*	*variegata*	宮粉羊蹄甲	EXOTIC	WINTER TO SPRING	PINK (FLOWER)	HIGH	MEDIUM
IR	Aquifoliaceae	*Ilex*	*rotunda var. microcarpa*	小果鐵冬青	NATIVE	SUMMER TO AUTUMN	WHITE (FLOWER) / RED (FRUIT)	MEDIUM	SMALL
LF	Hamamelidaceae	*Liquidambar*	*formosana*	楓香	NATIVE	AUTUMN TO WINTER	ORANGE RED (FOLIAGE)	HIGH	HIGH
LL	Oleaceae	*Ligustrun*	*lucidum*	大葉女貞	EXOTIC	SPRING	WHITE (FLOWER)	MEDIUM	SMALL
MG	Magnoliaceae	*Magnolia*	*grandiflora*	荷花玉蘭	NATIVE	SPRING	WHITE (FLOWER)	MEDIUM	SMALL
OF	Oleaceae	*Osmanthus*	*fragrans*	桂花	EXOTIC	WINTER TO SPRING	MILKY WHITE (FLOWER)	MEDIUM	SMALL
PP	Fabaceae	*Pongamia*	*pinnata*	水黃皮	NATIVE	SUMMER TO AUTUMN	PURPLE (FLOWER)	HIGH	HIGH
SC	Myrtaceae	*Syzyaium*	*cumini*	海南蒲桃	EXOTIC	SPRING	WHITE (FLOWER)	HIGH	HIGH
XC	Myrtaceae	*Xanthostemon*	*chrysanthus*	金蒲桃	EXOTIC	SUMMER TO AUTUMN	YELLOW (FLOWER)	HIGH	SMALL

Planting Schedule (ZONE 5 - Event Village)

TREE CODE	Family Name	Genus Name	Species Name	CHINESE NAME	NATIVE/ EXOTIC	Flowing/ Fruiting Season	Seasonal colour (flower/ foliage)	Environmental Stress Tolerance	SIZE
AC	Araucariaceae	*Araucaria*	*cunninghamii*	南洋杉	EXOTIC	EVERGREEN	GREEN (FOLIAGE)	HIGH	MEDIUM
BJ	Euphorbiaceae	*Bischofia*	*javanica*	秋楓	NATIVE	SPRING TO SUMMER	GREEN (FOLIAGE)	HIGH	HIGH
BJ(1)	Euphorbiaceae	*Bischofia*	*javanica*	秋楓	NATIVE	SPRING TO SUMMER	GREEN (FOLIAGE)	HIGH	HIGH
BV	Caesalpiniaceae	*Bauhinia*	*variegata*	宮粉羊蹄甲	EXOTIC	WINTER TO SPRING	PINK (FLOWER)	HIGH	MEDIUM
CCA	Lauraceae	*Cinnamomum*	*camphora*	樟	NATIVE	EVERGREEN	GREEN (FOLIAGE)	MEDIUM	HIGH
CM	Fagaceae	*Cyclobalanopsis*	*myrsinifolia*	小葉青岡	NATIVE	AUTUMN TO WINTER	GREEN (FOLIAGE)	MEDIUM	MEDIUM
DC	Bignoniaceae	*Dolichandrone*	*caudafelina*	貓尾木	EXOTIC	WINTER	YELLOW (FLOWER)	HIGH	MEDIUM
HT(1)	Malvaceae	*Hibiscus*	*tiliaceus rubra*	紅葉黃槿	EXOTIC	EVERGREEN	DARK PURPLE (FOLIAGE)	HIGH	MEDIUM
JM	Bignoniaceae	*Jacaranda*	*mimosifolia*	藍花楹	EXOTIC	SPRING	PURPLE (FLOWER)	HIGH	HIGH
LF	Hamamelidaceae	*Liquidambar*	*formosana*	楓香	NATIVE	AUTUMN TO WINTER	ORANGE RED (FOLIAGE)	HIGH	HIGH
LL	Oleaceae	*Ligustrun*	*lucidum*	大葉女貞	EXOTIC	SPRING	WHITE (FLOWER)	MEDIUM	SMALL
MB	Myrtaceae	*Melaleuca*	*bracteata "Revolution Gold"*	黃金串錢柳	EXOTIC	EVERGREEN	YELLOW (FOLIAGE)	HIGH	SMALL
PP	Fabaceae	*Pongamia*	*pinnata*	水黃皮	NATIVE	SUMMER TO AUTUMN	PURPLE (FLOWER)	HIGH	HIGH
SC	Myrtaceae	*Syzyaium*	*cumini*	海南蒲桃	EXOTIC	SPRING	WHITE (FLOWER)	HIGH	HIGH
XC	Myrtaceae	*Xanthostemon*	*chrysanthus*	金蒲桃	EXOTIC	SUMMER TO AUTUMN	YELLOW (FLOWER)	HIGH	SMALL

Table A3 - Tree Species (3 of 4)

(A) Tree Species Selection

Planting Schedule (ZONE 6 - Harbourfront Promenade)

TREE CODE	Family Name	Genus Name	Species Name	CHINESE NAME	NATIVE/ EXOTIC	Flowing/ Fruiting Season	Seasonal colour (flower/ foliage)	Environmental Stress Tolerance	SIZE
AJ	Mimosaceae	*Albizia*	*julibrissin*	合歡	EXOTIC	AUTUMN TO WINTER	PINK (FLOWER)	HIGH	HIGH
BJ	Euphorbiaceae	*Bischofia*	*javanica*	秋楓	NATIVE	SPRING TO SUMMER	GREEN (FOLIAGE)	HIGH	HIGH
BJ(1)	Euphorbiaceae	*Bischofia*	*javanica*	秋楓	NATIVE	SPRING TO SUMMER	GREEN (FOLIAGE)	HIGH	HIGH
CCI	Myrtaceae	*Callistemon*	*citrinus*	美花紅千層	EXOTIC	WINTER TO SPRING	RED (FLOWER)	HIGH	SMALL
CN	Casuarinaceae	*Casuarina*	*nana*	千頭木麻黃	EXOTIC	EVERGREEN	GREEN (FOLIAGE)	HIGH	SMALL
CNE	Myrtaceae	*Cleistocalyx*	*nervosum*	水翁	NATIVE	EVERGREEN	GREEN (FOLIAGE)	HIGH	SMALL
CES	Bombacaceae	*Ceiba*	*Speciosa*	美人樹	EXOTIC	WINTER TO SPRING	PINK (FLOWER)	HIGH	HIGH
CES(1)	Bombacaceae	*Ceiba*	*Speciosa*	美人樹	EXOTIC	WINTER TO SPRING	PINK (FLOWER)	HIGH	HIGH
CES(2)	Bombacaceae	*Ceiba*	*speciosa*	美人樹	EXOTIC	WINTER TO SPRING	PINK (FLOWER)	HIGH	HIGH
LFR	Scrophulariaceae	*Leucophyllum*	*frutescens*	紅花玉芙蓉	EXOTIC	SPRING TO SUMMER	RED (FLOWER)	MEDIUM	SMALL
MB	Myrtaceae	*Melaleuca*	*bracteata "Revolution Gold"*	黃金串錢柳	EXOTIC	EVERGREEN	YELLOW (FOLIAGE)	HIGH	SMALL
OE	Oleaceae	*Olea*	*europaea*	橄欖	EXOTIC	EVERGREEN	SILVER GREEN (FOLIAGE)	MEDIUM	SMALL
RC	Hamamelidaceae	*Rhodoleia*	*championi*	紅花荷	NATIVE	SPRING TO SUMMER	RED (FLOWER)	HIGH	SMALL
UP	Ulmaceae	*Ulmus*	*parvifolia*	榔榆樹	EXOTIC	AUTUMN TO WINTER	YELLOW (FOLIAGE)	MEDIUM	HIGH
UP(1)	Ulmaceae	*Ulmus*	*parvifolia*	榔榆樹	EXOTIC	AUTUMN TO WINTER	YELLOW (FOLIAGE)	MEDIUM	HIGH
XC	Myrtaceae	*Xanthostemon*	*chrysanthus*	金蒲桃	EXOTIC	SUMMER TO AUTUMN	YELLOW (FLOWER)	HIGH	SMALL

Planting Schedule (ZONE 7 - Sports Avenue)

TREE CODE	Family Name	Genus Name	Species Name	CHINESE NAME	NATIVE/ EXOTIC	Flowing/ Fruiting Season	Seasonal colour (flower/ foliage)	Environmental Stress Tolerance	SIZE
BJ	Euphorbiaceae	*Bischofia*	*javanica*	秋楓	NATIVE	SPRING TO SUMMER	GREEN (FOLIAGE)	HIGH	HIGH
CCI	Myrtaceae	*Callistemon*	*citrinus*	美花紅千層	EXOTIC	WINTER TO SPRING	RED (FLOWER)	HIGH	SMALL
CES	Bombacaceae	*Ceiba*	*speciosa*	美人樹	EXOTIC	WINTER TO SPRING	PINK (FLOWER)	HIGH	HIGH
CT	Capparaceae	*Crateva*	*trifoliata*	鈍葉魚木	EXOTIC	SPRING	YELLOW / WHITE (FLOWER)	HIGH	HIGH
HT	Malvaceae	*Hibiscus*	*tiliaceus rubra*	紅葉黃槿	EXOTIC	EVERGREEN	DARK PURPLE (FOLIAGE)	HIGH	MEDIUM
HT(1)	Malvaceae	*Hibiscus*	*tiliaceus rubra*	紅葉黃槿	EXOTIC	EVERGREEN	DARK PURPLE (FOLIAGE)	HIGH	MEDIUM
LFR	Scrophulariaceae	*Leucophyllum*	*frutescens*	紅花玉芙蓉	EXOTIC	SPRING TO SUMMER	RED (FLOWER)	MEDIUM	SMALL
LI	Lythraceae	*Lagerstroemia*	*indica*	紫薇	EXOTIC	SUMMER TO AUTUMN	PURPLE (FLOWER)	HIGH	SMALL
MB	Myrtaceae	*Melaleuca*	*bracteata "Revolution Gold"*	黃金串錢柳	EXOTIC	EVERGREEN	YELLOW (FOLIAGE)	HIGH	SMALL
PT	Caesalpiniaceae	*Peltophorum*	*tonkinense*	銀珠	EXOTIC	SPRING	YELLOW (FLOWER)	HIGH	HIGH
RC	Hamamelidaceae	*Rhodoleia*	*championi*	紅花荷	NATIVE	SPRING TO SUMMER	RED (FLOWER)	HIGH	SMALL
SL	Sterculiaceae	*Sterculia*	*lanceolata*	假蘋婆	NATIVE	SUMMER TO AUTUMN	MILKY WHITE (FLOWER) /RED (FRUIT)	HIGH	SMALL

Total tree number =1065
Total tree species= 52
Native tree = (27%) in term of species
Exotic tree = (73%) in term of species

NOTE: The proposed plant species are the key species for this project. More plant species may be adopted and may be adjusted subject to the availability in the market."

Table A3 - Tree Species (4 of 4)

(B) Shrub Species Selection

Planting Schedule (ZONE 1 - PSG)

SHRUB / Ground Cover CODE	BOTANICAL NAME	CHINESE NAME	NATIVE / EXOTIC	Flowering / Fruiting Season	Seasonal colour (flower / foliage)	Environmental Stress Tolerance	SIZE
Adu	*Arachis duranensis*	蔓花生	Exotic	Spring to Autumn	Yellow (flower)	High	Low
Aod	*Aglaia odorata*	米仔蘭	Exotic	Summer	Yellow (Flower)	High	Medium
Bsp	*Bougainvillea spectabilis*	簕杜鵑	Exotic	Year round	Red / White/ Pink/ Purple (flower)	High	Medium
Cge	*Canna generalis cv. Striatus*	金脈美人蕉	Exotic	Summer	Orange (flower)	High	Low
Cin	*Crossandra infundibuliformis*	雀尾花	Exotic	Late Spring to Autumn	Orange (flower)	High	Medium
Drg	*Duranta repens 'Golden Leaves'*	金葉假連翹	Exotic	Spring to Summer	Light Purple (flower)	High	Medium
Ias	*Ilex asprella*	梅葉冬青	Native	Spring to Summer	White (flower)	High	Tall
Ico	*Ixora coccinea var. Lutea*	黃花龍船花	Exotic	Summer	Yellow (flower)	High	Medium
Ixo	*Ixora 'Prince of Orange'*	橙花龍船花	Exotic	Summer	Orange (flower)	High	Medium
Lca	*Lantana camara*	馬纓丹	Exotic	Summer to Autumn	Mixed Coloudr (flower)	High	Medium
Lco	*lysimachia congestiflora 'Outback Sunset'*	錦葉遍地金	Exotic	Summer	Yellow (flower)	High	Low
Lsp	*Liriope spicata*	山麥冬	Native	Spring	White (flower)	High	Low
Mch	*Mesona chinensis*	涼粉草	Native	Summer to Autumn	Purple / White (flower)	Hgih	Low
Rel	*Ruellia elegans*	大花鳳仙	Exotic	Spring to Summer	Red (flower)	High	Medium
Rho	*Rhododendron hongkongense*	香港杜鵑	Native	Spring	White (flower)	High	Medium
Rin	*Rhapniolepis indica*	車輪梅	Native	Spring	White (flower)	High	Medium
Rsi	*Rhododendron simsii*	紅杜鵑	Native	Spring	Red (flower)	High	Medium
Tau	*Tristellateia australasiae*	金英藤	Exotic	Summer	Yellow (flower)	Medium	Tall
Tul	*Turnera ulmifolia*	黃時鐘花	Exotic	Spring to Autumn	Yellow (flower)	High	Low

TURF CODE	Genus Name	CHINESE NAME	NATIVE / EXOTIC	Flowering / Fruiting Season	Seasonal colour (flower / foliage)	Environmental Stress Tolerance	SIZE
Aco	*Axonopus compressus*	地毯草(大葉草)	Exotic	Evergreen	Green (foliage)	High	Low

CLIMBER CODE	Genus Name	CHINESE NAME	NATIVE / EXOTIC	Flowering / Fruiting Season	Seasonal colour (flower / foliage)	Environmental Stress Tolerance	SIZE
Pve	*Pyrostegia venusta*	炮杖花	Exotic	Spring to Summer	Organe (flower)	Medium	Tall

Table A4 - Shrub Species (1 of 7)

(B) Shrub Species Selection

Planting Schedule (ZONE 2 – Main Plaza)

SHRUB / Ground Cover CODE	BOTANICAL NAME	CHINESE NAME	NATIVE / EXOTIC	Flowering / Fruiting Season	Seasonal colour (flower / foliage)	Environmental Stress Tolerance	SIZE
Aod	*Aglaia odorata*	米仔蘭	Exotic	Spring to Summer	Yellow (flower)	High	Medium
Bsp	*Bougainvillea spectabilis*	簕杜鵑	Exotic	Year round	Red / White/ Pink/ Purple (flower)	High	Medium
Cco	*Chlorophytum comosum 'Vittatum'*	白邊吊蘭	Exotic	Year round	White (flower)	High	Low
Cho	*Camellia hongkongensis*	香港茶	Native	Spring	White (flower)	Medium	Medium
Cin	*Crossandra infundibuliformis*	雀尾花	Exotic	Late Spring to Autumn	Orange (flower)	High	Medium
Cja	*Clerodendrum japonicum*	楨桐	Exotic	Late Spring to Winter	Red (flower)	High	Medium
Cma	*Calathea makoyana*	孔雀竹芋	Exotic	Evergreen	Green (foliage)	High	Low
Cro	*Calathea roseopicta*	彩虹竹芋	Exotic	Evergreen	Mixed Colour (foliage)	High	Low
Dbi	*Dietes bicolor*	雙色野鳶尾	Exotic	Year round	Yellow (flower)	Medium	Low
Eau	*Epipremnum aureum*	黃金葛	Exotic	Evergreen	Green (foliage)	High	Low
Hpa	*Hamelia patens*	希美利	Exotic	Summer	Red (flower)	High	Low
Hrs	*Hibiscus rosa-sinensis*	大紅花	Exotic	Year round	Red (flower)	High	Medium
Ias	*Ilex asprella*	梅葉冬青	Native	Spring to Summer	White (flower)	High	Tall
Ixo	*Ixora 'Prince of Orange'*	橙花龍船花	Exotic	Summer	Orange (flower)	High	Medium
Lca	*Lantana camara*	馬纓丹	Exotic	Summer to Autumn	Mixed Coloudr (flower)	High	Medium
Lsp	*Liriope spicata*	山麥冬	Native	Spring	White (flower)	High	Low
Mch	*Mesona chinensis*	涼粉草	Native	Summer to Autumn	Purple / White (flower)	Hgih	Low
Mde	*Monstera deliciosa*	龜背竹	Exotic	Evergreen	Green (foliage)	Hgih	Medium
Mpa	*Murraya paniculata*	九里香	Exotic	Summer to Autumn	White (flower)	High	Medium
Ofr	*Osmanthus fragrans*	桂花	Exotic	Autumn to Spring	White (flower)	Medium	Medium
Oja	*Ophiopogon japonicas 'Variegata'*	花葉沿階草	Exotic	Spring to Summer	Purple (flower)	High	Low
Pau	*Plumbago auriculata*	藍雪花	Exotic	Summer to Autumn	Blue (flower)	High	Low
Rel	*Ruellia elegans*	大花蘆莉	Exotic	Spring to Summer	Red (flower)	High	Medium
Rho	*Rhododendron hongkongense*	香港杜鵑	Native	Spring	White (flower)	High	Medium
Rin	*Rhapniolepis indica*	車輪梅	Native	Spring	White (flower)	High	Medium
Rmu	*Rhododendron mucronatum*	白杜鵑	Exotic	Spring	White (flower)	High	Medium
Rmul	*Rhapis multifida*	金山棕竹	Exotic	Evergreen	Green (foliage)	High	Medium
Rpu	*Rhododendron pulchrum*	錦鏽杜鵑	Exotic	Spring	Purple / Pink (flower)	High	Medium
Rsi	*Rhododendron simsii*	紅杜鵑	Native	Spring	Red (flower)	Medium	Medium
Rto	*Rhodomyrtus tomentosa*	桃金娘	Native	Summer	Purple (flower)	Medium	Medium
Scu	*Strobilanthes cusia*	馬藍	Native	Summer	Purple (flower)	High	Low
Tse	*Tibouchina semidecandra*	巴西野牡丹	Exotic	Summer	Purple (flower)	High	Medium

Table A4 - Shrub Species (2 of 7)

(B) Shrub Species Selection

Planting Schedule (ZONE 3 – Neighbourhood park)

SHRUB / Ground Cover CODE	BOTANICAL NAME	CHINESE NAME	NATIVE / EXOTIC	Flowering / Fruiting Season	Seasonal colour (flower / foliage)	Environmental Stress Tolerance	SIZE
Aden	*Asparagus densiflorus*	狐尾天冬	Exotic	Evergreen	Green (foliage)	High	Low
Agl	*Aglaonema 'Red Valentine'*	粗肋草	Exotic	Evergreen	Mixed Colour (foliage)	High	Low
Agr	*Arundina graminifoli*	竹葉蘭	Native	Spring	White Purple (flower)	Medium	Low
Asa	*Angelonia salicariifolia*	天使花	Exotic	Summer to Autumn	Purple / Pink (fower)	High	Low
Bga	*Bauhinia galpinii*	嘉氏羊蹄甲	Exotic	Summer	Orange (flower)	High	Tall
Cin	*Crossandra infundibuliformis*	雀尾花	Exotic	Late Spring to Autumn	Orange (flower)	High	Medium
Col	*Camellia oleifera*	油茶	Native	Winter	White Yellow (flower)	High	Medium
Cpu	*Caesalpinia pulcherrima*	洋金鳳	Exotic	Year round	Orange Red (flower)	High	Medium
Dam	*Dieffenbachia amoena*	夏雪萬年青	Exotic	Evergreen	Green (foliage)	High	Low
Hpa	*Hamelia patens*	希美利	Exotic	Summer	Red (flower)	High	Low
Hrs	*Hibiscus rosa-sinensis*	大紅花	Exotic	Year round	Red (flower)	High	Medium
Ixo	*Ixora 'Prince of Orange'*	橙花龍船花	Exotic	Summer	Orange (flower)	High	Medium
Lmo	*Lantana montevidensis*	小葉馬纓丹	Exotic	Spring to Autumn	Purple (flower)	High	Low
Nau	*nephrolepis auriculata*	腎蕨	Native	Evergreen	Green (foliage)	Hgih	Low
Oxo	*Otacanthus coeruleus*	藍金花	Exotic	Year round	Purple Blue (flower)	High	Medium
Pau	*Plumbago auriculata*	藍雪花	Exotic	Summer to Autumn	Blue (flower)	High	Low
Pta	*Phaius tankervilliae*	鶴頂蘭	Native	Spring	Mixed Colour (flower)	Medium	Low
Rmu	*Rhododendron mucronatum*	白杜鵑	Exotic	Spring	White (flower)	High	Medium
Rpu	*Rhododendron pulchrum*	錦鏽杜鵑	Exotic	Spring	Purple / Pink (flower)	High	Medium
Rsi	*Rhododendron simsii*	紅杜鵑	Native	Spring	Red (flower)	Medium	Medium
Rto	*Rhodomyrtus tomentosa*	桃金娘	Native	Summer	Purple (flower)	Medium	Medium
Sfa	*Salvia farinacea*	藍花鼠尾草	Exotic	Summer	Blue (flower)	High	Low
Sun	*Selaginella uncinata*	翠雲草	Native	Evergreen	Green (foliage)	Medium	Low
Tse	*Tibouchina semidecandra*	巴西野牡丹	Exotic	Summer	Purple (flower)	High	Medium
Tul	*Turnera ulmifolia*	黃時鐘花	Exotic	Spring to Autumn	Yellow (flower)	High	Low
Zca	*Zephyranthes candida*	白花蔥蘭	Exotic	Summer to Autumn	White (flower)	High	Low
Zgr	*Zephyranthes grandiflora*	紅花蔥蘭	Exotic	Summer to Autumn	Pink (flower)	High	Low

TURF CODE	Genus Name	CHINESE NAME	NATIVE / EXOTIC	Flowering / Fruiting Season	Seasonal colour (flower / foliage)	Environmental Stress Tolerance	SIZE
Aco	*Axonopus compressus*	地毯草(大葉草)	Exotic	Evergreen	Green (foliage)	High	300 X 300 (turf)

Table A4 - Shrub Species (3 of 7)

(B) Shrub Species Selection

Planting Schedule (ZONE 4 - Walk of Fame)

SHRUB / Ground Cover CODE	BOTANICAL NAME	CHINESE NAME	NATIVE / EXOTIC	Flowering / Fruiting Season	Seasonal colour (flower / foliage)	Environmental Stress Tolerance	SIZE
Ade	*Alternanthera dentata cv. Red Marble*	錦葉紅龍草	Exotic	Evergreen	Red (foliage)	High	Low
Aod	*Aglaia odorata*	米仔蘭	Exotic	Spring to Summer	Yellow (flower)	High	Medium
Ape	*Acalypha pendula*	紅尾鐵莧	Exotic	Spring to Summer	Red (flower)	High	Low
Bsp	*Bougainvillea spectabilis*	簕杜鵑	Exotic	Year round	Red / White/ Pink/ Purple (flower)	High	Medium
Cco	*Chlorophytum comosum 'Vittatum'*	白邊吊蘭	Exotic	Year round	White (flower)	High	Low
Cma	*Calathea makoyana*	孔雀竹芋	Exotic	Evergreen	Green (foliage)	High	Low
Dbi	*Dietes bicolor*	雙色野鳶尾	Exotic	Year round	Yellow (flower)	Medium	Low
Ite	*Iris tectorum Maxim*	藍蝴蝶	Exotic	Spirng	Purple (flower)	Medium	Low
Lfo	*Lespedeza formosa*	美麗胡枝子	Native	Summer	Red (flower)	High	Medium
Lmo	*Lantana montevidensis*	小葉馬纓丹	Exotic	Spring to Autumn	Purple (flower)	High	Low
Lsp	*Liriope spicata*	山麥冬	Native	Spring	White (flower)	High	Low
Mde	*Monstera deliciosa*	龜背竹	Exotic	Evergreen	Green (foliage)	Hgih	Medium
Mfi	*Michelia figo 'Port Wine'*	紅花含笑	Exotic	Spring	Purple-brown (flower)	Medium	Medium
Oja	*Ophiopogon japonicas 'Variegata'*	花葉沿階草	Exotic	Spring to Summer	Purple (flower)	High	Low
Pal	*Pennisetum alopecuroides*	狼尾草	Exotic	Spring to Autumn	Milky Pink (Flower)	High	Tall
Por	*Pennisetum orientale 'Karley Rose'*	紅花狼尾草	Exotic	Spring to Autumn	Red (flower)	High	Tall
Pse	*Pennisetum setaceum 'Fireworks'*	花葉狼尾草	Exotic	Spring to Autumn	Milky Pink (Flower)	High	Medium
Rmu	*Rhododendron mucronatum*	白杜鵑	Exotic	Spring	White (flower)	High	Medium
Rre	*Rhynchelytrum repens*	紅毛草	Native	Summer to Autunm	Red (flower)	High	Low
Sre	*Syzygium rehderianum*	紅枝蒲桃	Exotic	Spring to Early Summer	White (flower	High	Tall
Tvi	*Tulbaghia violacea*	紫嬌花	Exotic	Summer	Purple (flower)	High	Low

TURF CODE	BOTANICAL NAME	CHINESE NAME	NATIVE / EXOTIC	Flowering / Fruiting Season	Seasonal colour (flower / foliage)	Environmental Stress Tolerance	SIZE
Aco	*Axonopus compressus*	地毯草(大葉草)	Exotic	Evergreen	Green (foliage)	High	300 X 300 (turf)

Table A4 - Shrub Species (4 of 7)

(B) Shrub Species Selection

Planting Schedule (ZONE 5 - Event Village)

SHRUB / Ground Cover CODE	BOTANICAL NAME	CHINESE NAME	NATIVE / EXOTIC	Flowering / Fruiting Season	Seasonal colour (flower / foliage)	Environmental Stress Tolerance	SIZE
Ade	*Alternanthera dentata cv. Red Marble*	錦葉紅龍草	Exotic	Evergreen	Red (foliage)	High	Low
Adu	*Arachis duranensis*	蔓花生	Exotic	Spring to Autumn	Yellow (flower)	High	Low
Aod	*Aglaia odorata*	米仔蘭	Exotic	Spring to Summer	Yellow (flower)	High	Medium
Ape	*Acalypha pendula*	紅尾鐵莧	Exotic	Spring to Summer	Red (flower)	High	Low
Bsp	*Bougainvillea spectabilis*	簕杜鵑	Exotic	Year round	Red / White/ Pink/ Purple (flower)	High	Medium
Cma	*Calathea makoyana*	孔雀竹芋	Exotic	Evergreen	Green (foliage)	High	Low
Cmi	*Carmona microphylla*	福建茶	Exotic	Summer	White (flower)	High	Medium
Cro	*Calathea roseopicta*	彩虹竹芋	Exotic	Evergreen	Mixed Colour (foliage)	High	Low
Dbi	*Dietes bicolor*	雙色野鳶尾	Exotic	Year round	Yellow (flower)	Medium	Low
Eau	*Epipremnum aureum*	黃金葛	Exotic	Evergreen	Green (foliage)	High	Low
Ite	*Iris tectorum Maxim*	藍蝴蝶	Exotic	Spirng	Purple (flower)	Medium	Low
Lfo	*Lespedeza formosa*	美麗胡枝子	Native	Summer	Red (flower)	High	Medium
Lmo	*Lantana montevidensis*	小葉馬纓丹	Exotic	Spring to Autumn	Purple (flower)	High	Low
Lsp	*Liriope spicata*	山麥冬	Native	Spring	White (flower)	High	Low
Mde	*Monstera deliciosa*	龜背竹	Exotic	Evergreen	Green (foliage)	Hgih	Medium
Mfi	*Michelia figo 'Port Wine'*	紅花含笑	Exotic	Spring	Purple-brown (flower)	Medium	Medium
Oja	*Ophiopogon japonicas 'Variegata'*	花葉沿階草	Exotic	Spring to Summer	Purple (flower)	High	Low
Pal	*Pennisetum alopecuroides*	狼尾草	Exotic	Spring to Autumn	Milky Pink (Flower)	High	Tall
Pse	*Pennisetum setaceum 'Fireworks'*	花葉狼尾草	Exotic	Spring to Autumn	Milky Pink (Flower)	High	Medium
Rmu	*Rhododendron mucronatum*	白杜鵑	Exotic	Spring	White (flower)	High	Medium
Rmul	*Rhapis multifida*	金山棕竹	Exotic	Evergreen	Green (foliage)	High	Medium
Rre	*Rhynchelytrum repens*	紅毛草	Native	Summer to Autunm	Red (flower)	High	Low
Sfo	*Serissa foetida*	金邊六月雪	Exotic	Winter to Spring	White (flower)	High	Medium
Sre	*Syzygium rehderianum*	紅枝蒲桃	Exotic	Spring to Early Summer	White (flower	High	Tall
Tvi	*Tulbaghia violacea*	紫嬌花	Exotic	Summer	Purple (flower)	High	Low

TURF CODE	Genus Name	CHINESE NAME	NATIVE / EXOTIC	Flowering / Fruiting Season	Seasonal colour (flower / foliage)	Environmental Stress Tolerance	SIZE
Aco	*Axonopus compressus*	地毯草(大葉草)	Exotic	Evergreen	Green (foliage)	High	300 X 300 (turf)

Table A4 - Shrub Species (5 of 7)

(B) Shrub Species Selection

Planting Schedule (ZONE 6 - Harbourfront Promenade)

SHRUB CODE	BOTANICAL NAME	CHINESE NAME	NATIVE / EXOTIC	Flowering / Fruiting Season	Seasonal colour (flower / foliage)	Environmental Stress Tolerance	SIZE
Asa	*Angelonia salicariifolia*	天使花	Exotic	Summer to Autumn	Purple / Pink (fower)	High	Low
Bsp	*Bougainvillea spectabilis*	簕杜鵑	Exotic	Year round	Red / White/ Pink/ Purple (flower)	High	Medium
Cge	*Canna generalis cv. Striatus*	金脈美人蕉	Exotic	Summer	Orange (flower)	High	Low
Chy	*Cuphea hyssopifolia*	細葉萼距花	Exotic	Year round	Purple (flower)	High	Low
Cpu	*Caesalpinia pulcherrima*	洋金鳳	Exotic	Year round	Orange Red (flower)	High	Medium
Cpun	*Centratherum punctatum*	藍冠菊	Exotic	Summer	Purple (flower)	Medium	Low
Dma	*Dracaena marginata 'Tricolor'*	三色馬尾鐵	Exotic	Evergreen	Mixed Colour (foliage)	High	Medium
Dro	*Dissotis rotundifolia*	蔓性野牡丹	Exotic	Summer to Autumn	Purple (flower)	High	Low
Drw	*Duranta repens variegata 'White Edge'*	花葉假連翹	Exotic	Spring to Summer	Light Blue (flower)	High	Medium
Enu	*Evolvulus nuttallianus*	藍星花	Exotic	Summer to Autumn	Blue (flower)	High	Low
Ico	*Ixora coccinea var. Lutea*	黃花龍船花	Exotic	Summer	Yellow (flower)	High	Medium
Lpl	*Liriope platyphylla*	闊葉麥冬	Exotic	Summer	Purple (flower)	High	Low
Rbr	*Ruellia brittoniana Pink*	粉花翠蘆莉	Exotic	Summer to Autumn	Pink (flowre)	High	Low
Rin	*Rhapniolepis indica*	車輪梅	Native	Spring	White (flower)	High	Medium
Rto	*Rhodomyrtus tomentosa*	桃金娘	Native	Summer	Purple (flower)	Medium	Medium
Sfa	*Salvia farinacea*	藍花鼠尾草	Exotic	Summer	Blue (flower)	High	Low
Sja	*Stachytarpheta jamaicensis*	假馬鞭草	Exotic	Summer	Purple (flower)	High	Low
Tau	*Tristellateia australasiae*	金英藤	Exotic	Summer	Yellow (flower)	Medium	Tall
Ter	*Thunbergia erecta*	硬枝老鴉嘴	Exotic	Autumn to Spring	Purple (flower)	High	Medium
Tse	*Tibouchina semidecandra*	巴西野牡丹	Exotic	Summer	Purple (flower)	High	Medium
Zca	*Zephyranthes candida*	白花葱蘭	Exotic	Summer to Autumn	White (flower)	High	Low

TURF CODE	BOTANICAL NAME	CHINESE NAME	NATIVE / EXOTIC	Flowering / Fruiting Season	Seasonal colour (flower / foliage)	Environmental Stress Tolerance	SIZE
Aco	*Axonopus compressus*	地毯草(大葉草)	Exotic	Evergreen	Green (foliage)	High	300 X 300 (turf)

CLIMBER CODE	BOTANICAL NAME	CHINESE NAME	NATIVE / EXOTIC	Flowering / Fruiting Season	Seasonal colour (flower / foliage)	Environmental Stress Tolerance	SIZE
Ale	*Antigonon leptopus*	珊瑚藤	Exotic	Summer to Winter	Pink (flower)	High	Tall
Bgl	*Bauhinia glauca*	羊蹄甲藤	Native	Summer	White (flower)	High	Tall

Table A4 - Shrub Species (6 of 7)

(B) Shrub Species Selection

Planting Schedule (ZONE 7 - Sports Avenue)

SHRUB CODE	BOTANICAL NAME	CHINESE NAME	NATIVE / EXOTIC	Flowering / Fruiting Season	Seasonal colour (flower / foliage)	Environmental Stress Tolerance	SIZE
Aod	*Aglaia odorata*	米仔蘭	Exotic	Spring to Summer	Yellow (flower)	High	Medium
Asa	*Angelonia salicariifolia*	天使花	Exotic	Summer to Autumn	Purple / Pink (fower)	High	Low
Cge	*Canna generalis cv. Striatus*	金脈美人蕉	Exotic	Summer	Orange (flower)	High	Low
Cpu	*Caesalpinia pulcherrima*	洋金鳳	Exotic	Year round	Orange Red (flower)	High	Medium
Dro	*Dissotis rotundifolia*	蔓性野牡丹	Exotic	Summer to Autumn	Purple (flower)	High	Low
Drw	*Duranta repens variegata 'White Edge'*	花葉假連翹	Exotic	Spring to Summer	Light Blue (flower)	High	Medium
Enu	*Evolvulus nuttallianus*	藍星花	Exotic	Summer to Autumn	Blue (flower)	High	Low
Rbr	*Ruellia brittoniana Pink*	粉花翠蘆莉	Exotic	Summer to Autumn	Pink (flowre)	High	Low
Rin	*Rhapniolepis indica*	車輪梅	Native	Spring	White (flower)	High	Medium
Rto	*Rhodomyrtus tomentosa*	桃金娘	Native	Summer	Purple (flower)	Medium	Medium
Sfa	*Salvia farinacea*	藍花鼠尾草	Exotic	Summer	Blue (flower)	High	Low
Sja	*Stachytarpheta jamaicensis*	假馬鞭草	Exotic	Summer	Purple (flower)	High	Low
Ter	*Thunbergia erecta*	硬枝老鴉嘴	Exotic	Autumn to Spring	Purple (flower)	High	Medium
Tse	*Tibouchina semidecandra*	巴西野牡丹	Exotic	Summer	Purple (flower)	High	Medium

Total shrub species = 53
Native shrub = (20.8%) in term of species

Total groundcover species = 25
Native groundcover = (20.0%) in term of species

Table A4 - Shrub Species (7 of 7)

NOTE: The proposed plant species are the key species for this project. More plant species may be adopted and may be adjusted subject to the availability in the market."

1.0 Introduction

Kai Tak Sports Park is a large scale development at City Core of Kai Tak Development Area in Hong Kong. The existing landscape resources on Site are identified to be inferior from ecological point of view with massive concrete plate, shallow soil and limited wild growth of weed planting, rare water retention and penetration on concrete surface and lack of wildlife habitation. The proposed Kai Tak Sports Park involves extensive greening with over 30 tree species and 30 shrub species proposed to establish different types of planting environment including woodland, grassland, scrubland and coastal planting and various landforms for wildlife foraging and nursing offspring. Biodiversity is a wide wisdom to be nursed not only with the wide range of planting species but also with landform that create planting habitation for different wildlife.

2.0 Analysis of Planting Benefits to Urban Ecology/Biodiversity

With the relatively urban site context, planting environment at Kai Tai Sports Park is not intended to have ranching type activity to feed the wildlife or to create an ecological park. Planting design for the KTSP, integrated with different landform, would benefits wildlife for food hunting as well as providing habitation and spreading in a sustainable manner. The KTSP shall also be designed for the enjoyment of the public community at the same time. An optimum solution to achieve a balance between biodiversity and public enjoyment shall be sought to serve for an attractive environment for both human activities and wildlife that would sustain within the relatively urban parkland setting. The following table provide summary of contribution of individual selected species to the wildlife:

Summary of Planting Proposal to Benefit Urban Ecology/Biodiversity

Major Open Space for the Development

(Woodland with Cherry Blossom and Seasonal Planting)

Planting with native and adapted evergreen or deciduous flowering trees and shrubs shall create seasonal woodland for wildlife.

* Hunting for food - Nectar provides a rich source of energy for birds and butterfly

\# Nursing offspring - Butterflies and birds lay their eggs on the 'host' or 'nurse' plants

^ Habitation - Provide suitable habitat for a variety of birds and butterflies

\+ Enjoyment for Public - Enhance the physical and mental health of people

	Botanical Name	Benefit to Preferable Wildlife in the Park		Remarks	Native (N)/ Exotic(E)
	Tree	**Bird**	**Butterfly**		
1.	*Araucaria cunninghamii*			+	
2.	*Albizia julibrissin*		* # ^	+	
3.	*Araucaria heterophylla*			+	
4.	*Bauhinia acuminata*			+	
5.	*Bauhinia variegata*			+	
6.	*Bischofia javanica*	* # ^	* #	+	
7.	*Callistemon citrinus*			+	
8.	*Camellia crapnelliana*	# ^		+	
9.	*Camellia japonica*		*	+	
10.	*Cassia javanica var. indochinensis*	* # ^	* #	+	
11.	*Casuarina nana*			+	
12.	*Ceiba speciosa*			+	
13.	*Cerasus campanulata*	*	*	+	
14.	*Cerasus speciosa*			+	
15.	*Cinnamomum camphora*	*#^	*#^	+	
16.	*Cleistocalyx nervosum*	*	*	+	
17.	*Crateva trifoliata*			+	
18.	*Cyclobalanopsis myrsinifolia*	*	*	+	
19.	*Dolichandrone caudafelina*	# ^		+	
20.	*Dracontomelon duperreanum*			+	
21.	*Hibiscus tiliaceus rubra*		* #	+	
22.	*Ilex rotunda var. microcarpa*	*	* #	+	
23.	*Jacaranda mimosifolia*		*	+	
24.	*Koelreuteria bipinnata*	* # ^	*	+	
25.	*Lagerstroemia indica*		*	+	
26.	*Leucophyllum frutescens*		*	+	
27.	*Ligustrun lucidum*		*	+	
28.	*Liquidambar formosana*	# ^		+	
29.	*Magnolia grandiflora*		*#	+	
30.	*Melaleuca bracteata "Revolution Gold"*			+	
31.	*Olea europaea*	*		+	
32.	*Osmanthus fragrans*		*	+	
33.	*Peltophorum tonkinense*		*	+	
34.	*Photinia serratifolia*			+	

Table A5 - Written Statement and Summary of Planting Proposal to Benefit Urban Ecology/Biodiversity (1 of 3)

35.	*Plumeria rubra*		*	+
36.	*Podocarpus macrophyllus*	* # ^		+
37.	*Podocarpus nagi*	*		+
38.	*Pongamia pinnata*	* # ^	* #	+
39.	*Prunus yunnanensis 'Guangzhou'*	*	*	+
40.	*Punica granatum*	*	*	+
41.	*Pyrus calleryana*	# ^	*	+
42.	*Rhodoleia championi*		*	+
43.	*Sapium sebiferum*	* ^	*	+
44.	*Sterculia lanceolata*	* #	*	+
45.	*Syzygium cumini*	* # ^		+
46.	*Tabebuia chrysantha*		*	+
47.	*Tabebuia rosea*		*	+
48.	*Taxodium distichum*			+
49.	*Terminalia mantaly cv.Tricolor*			+
50.	*Terminalia mantaly*			+
51	*Ulmus parvifolia*	* # ^		+
52.	*Xanthostemon chrysanthus*		*	+
	Botanical Name	**Benefit to Preferable Wildlife in the Park**		**Remarks** **Native (N)/ Exotic(E)**
	Shrub/Groundcover/Grass	**Bird**	**Butterfly**	
1.	*Alternanthera dentata cv. Red Marble*			+
2.	*Asparagus densiflorus*			+
3.	*Arachis duranensis*		*	+
4.	*Aglaonema 'Red Valentine'*			+
5.	*Arundina graminifoli*			+
6.	*Aglaia odorata*	*	*	+
7.	*Acalypha pendula*			+
8.	*Angelonia salicariifolia*		*	+
9.	*Bauhinia galpinii*	# ^		+
10.	*Bougainvillea spectabilis*			+
11.	*Chlorophytum comosum 'Vittatum'*			+
12.	*Canna generalis cv.*			+
	Striatus			
13.	*Camellia hongkongensis*	*	*	+
14.	*Cuphea hyssopifolia*		*	+
15.	*Crossandra infundibuliformis*	*	*	+
16.	*Clerodendrum japonicum*		*	+
17.	*Calathea makoyana*			+
18.	*Carmona microphylla*		*	+
19.	*Camellia oleifera*	*	*	+
20.	*Caesalpinia pulcherrima*		*	+
21.	*Centratherum punctatum*		*	+
22.	*Calathea roseopicta*			+
23.	*Dieffenbachia amoena*			+
24.	*Dietes bicolor*			+
25.	*Dracaena marginata 'Tricolor'*			+
26.	*Duranta repens 'Golden Leaves'*	*	*	+
27.	*Dissotis rotundifolia*		*	+
28.	*Duranta repens variegata 'White Edge'*		*	+
29.	*Epipremnum aureum*			+
30.	*Evolvulus nuttallianus*		*	+
31.	*Hamelia patens*			+
32.	*Hibiscus rosa-sinensis*	*	*	+
33.	*Ilex asprella*			+
34.	*Ixora coccinea var. Lutea*	*	*	+
35.	*Iris tectorum Maxim*		*	+
36.	*Ixora 'Prince of Orange'*	*	*	+
37.	*Lantana camara*		*	+
38.	*lysimachia congestiflora 'Outback Sunset'*			+
39.	*Lespedeza Formosa*		*	+
40.	*Lantana montevidensis*		*	+
41.	*Liriope platyphylla*			+
42.	*Liriope spicata*	*	*	+
43.	*Mesona chinensis*			+
44.	*Monstera deliciosa*			+
45.	*Michelia figo 'Port Wine'*	*	*	+

Table A5 - Written Statement and Summary of Planting Proposal to Benefit Urban Ecology/Biodiversity (2 of 3)

46.	*Murraya paniculata*	*	*	+
47.	*Nephrolepis auriculata*			+
48.	*Osmanthus fragrans*		*	+
49.	*Ophiopogon japonicas 'Variegata'*			+
50.	*Otacanthus coeruleus*		*	+
51.	*Pennisetum alopecuroides*			+
52.	*Plumbago auriculata*			+
53.	*Pennisetum orientale 'Karley Rose'*			+
54.	*Pennisetum setaceum 'Fireworks'*			+
55.	*Phaius tankervilliae*		*	+
56.	*Ruellia brittoniana Pink*		*	+
57.	*Ruellia elegans*		*	+
58.	*Rhododendron hongkongense*	*	*	+
59.	*Rhapniolepis indica*		*	+
60.	*Rhododendron mucronatum*		*	+
61.	*Rhapis multifida*			+
62.	*Rhododendron pulchrum*		*	+
63.	*Rhynchelytrum repens*			+
64.	*Rhododendron simsii*		*	+
65.	*Rhodomyrtus tomentosa*	*	*	+
66.	*Strobilanthes cusia*			+
67.	*Salvia farinacea*		*	+
68.	*Serissa foetida*			+
69.	*Stachytarpheta jamaicensis*			+
70.	*Syzygium rehderianum*			+
71.	*Selaginella uncinata*			+
72.	*Tristellateia australasiae*			+
73.	*Thunbergia erecta*		*	+
74.	*Tibouchina semidecandra*		*	+
75.	*Turnera ulmifolia*	*	*	+
76.	*Tulbaghia violacea*		*	+
77.	*Zephyranthes candida*		*	+
78.	*Zephyranthes grandiflora*		*	+

Table A5 - Written Statement and Summary of Planting Proposal to Benefit Urban Ecology/Biodiversity (3 of 3)

Maintenance and Management Schedules for Hard and Soft Landscaping Works

1. Hard Landscape Elements

Maintenance for hard landscape elements shall be carried out by management office of the Operator from the Operational Commencement Date with maintenance intention as follows:

I - Routine Maintenance (Daily - Weekly)

a. Rubbish and litter removal;

b. Sweeping and cleaning;

c. Damage inspection and repair for site furniture and light bulb replacement.

II - Annual/Long Term Maintenance

a. Repainting;

b. Resurfacing of worn pavements;

c. Replacing worn parts site furniture, lighting fixture and other facilities; and

d. Replacement of worn landscape furniture.

Maintenance and Management Schedules for Hard and Soft Landscaping Works

2. Soft Landscape Elements

a) Establishment Works before Operational Commencement Date

The Specialist Landscaping Contractor will be responsible for the establishment works after practical completion of the planting works and before the Operational Commencement Date. The Establishment Works shall be carried out in accordance with the Particular Specifications of the Employer's Requirements and Section 25 of the General Specification for Building Works (2017 edition) by ArchSD (Appendix N of Part X, Volume 2.1 Landscape Architectural Requirements of the Employer's Requirements) and as itemized in table below:

Establishment Period			Months											
Item	**Maintenance Operation**	**Frequency**	**January**	**February**	**March**	**April**	**May**	**June**	**July**	**August**	**September**	**October**	**November**	**December**
1.1	Replacement Planting	As required within 14 days												
1.2	Tree Support Inspection/Adjustment & after adverse weather & as required	Once/month	1	1	1	1	1	1	1	1	1	1	1	1
1.3	Checking After Exceptional Weather	Within 24 hours												
1.4	Watering	Once/day												
1.5	Litter Collection	Daily and as required												
1.6	Weed Control	Once/2 weeks												
1.7	Edging of Planting Area	As required												
1.8	Grass Cutting (Amenity Lawn only)	Mar-Sept once/month Oct - Feb once/2 months												
1.9	Fertilizer Application and Forking	4 times/year												
1.10	Pruning for Shrubs	3 times/year												
1.11	Thinning	Once/year												
1.12	Under and Inter-planting	As required												
1.13	Top-up Mulch	Twice/year												
1.14	Pest Control	As required												

Table A8 - Maintenance and Management Schedules for Hard and Soft Landscaping Works (1 of 3)

Maintenance and Management Schedules for Hard and Soft Landscaping Works

1.15	Tree Risk Assessment	Once/year or as required					1							
1.16	Joint Maintenance Inspection (Landscape Designer, Field Officer, Contractor and Sub-contractor)	Once/month	1	1	1	1	1	1	1	1	1	1	1	1

b) Horticultural Maintenance Works after Operational Commencement Date

Horticultural Maintenance Works shall be carried out in accordance with the Particular Specifications of the Employer's Requirements and Section 25 of the General Specification for Building Works (2017 edition) by ArchSD (Appendix N of Part X, Volume 2.1 Landscape Architectural Requirements of the Employer's Requirements) and as itemized in table below

Year: One													
Item	**Maintenance Operation**	**Frequency**	**January**	**February**	**March**	**April**	**May**	**June**	**July**	**August**	**September**	**October**	**November**	**December**
2.1	Replacement Planting	As required												
2.2	Tree Support Inspection/Adjustment	Once/month	1	1	1	1	1	1	1	1	1	1	1	1
2.3	Checking After Exceptional Weather	Within 24 hours												
2.4	Watering	Once/day												
2.5	Litter Collection	Daily and as required												
2.6	Weed Control	As required												
2.7	Edging of Planting Area	As required												
2.8	Grass Cutting (Amenity Lawn only)	Mar-Sept once/month Oct - Feb once/ 3 months												
2.9	Fertilizer Application and Forking	4 times /year												
2.10	Pruning for shrubs	3 times/ year												
2.11	Pruning for trees	Once/year												
2.12	Thinning	Once/year												
2.13	Under & inter-planting	As required												
2.14	Top-up Mulch	Twice/year												
2.15	Pest Control	As required												
2.16	Tree Risk Assessment	Once/year					1							
2.17	Periodic Inspection by User and Horticultural Maintenance Contractor is recommended	Four/year				1		1		1			1	

Table A8 - Maintenance and Management Schedules for Hard and Soft Landscaping Works (2 of 3)

Maintenance and Management Schedules for Hard and Soft Landscaping Works

Year: Two Onwards													
Item	Maintenance Operation	Frequency	January	February	March	April	May	June	July	August	September	October	November	December
3.1	Replacement Planting	As required	■	■	■	■	■	■	■	■	■	■	■	■
3.2	Tree Support Inspection/Adjustment	As required												
3.3	Checking After Exceptional Weather	Within 24 hours	■	■	■	■	■	■	■	■	■	■	■	■
3.4	Watering	Once/day	■	■	■	■	■	■	■	■	■	■	■	■
3.5	Litter Collection	Daily and as required	■	■	■	■	■	■	■	■	■	■	■	■
3.6	Weed Control	As required	■	■	■	■	■	■	■	■	■	■	■	■
3.7	Edging of Planting Area	As required	■	■	■	■	■	■	■	■	■	■	■	■
3.8	Grass Cutting (Amenity Lawn only)	Mar-Sept once/month Oct - Feb once/ 3 months		■	■	■	■	■	■	■	■	■		
3.9	Fertilizer Application and Forking	4 times/year			■			■			■			■
3.10	Pruning for shrubs	3 times/year		■					■			■		
3.11	Pruning for trees	Once/year	■											
3.12	Thinning	Once/year								■				
3.13	Under & inter-planting	As required	■	■	■	■	■	■	■	■	■	■	■	■
3.14	Top-up Mulch	Once/year			■									
3.15	Pest Control	As required	■	■	■	■	■	■	■	■	■	■	■	■
3.16	Tree Risk Assessment	Once/year					1							
3.17	Periodic Inspection by User and Horticultural Maintenance Contractor is recommended	Three/year				1				1				1

Table A8 - Maintenance and Management Schedules for Hard and Soft Landscaping Works (3 of 3)

ANNEX B

LANDSCAPE DESIGN PROPOSAL

ID NO.	Landscape / Visual Mitigation Measure
OM1	Greening of Walkways, Ramps and Decks
OM2	Green Roofs and Vertical Greening
OM3	Compensatory Tree Planting
OM4	Responsive Building Design
OM5	Integration of Development Boundaries
OM6	Integration with Dining Cove and Harbourfront Promenade
OM7	Light Penetration Under Deck
OM8	Neighbourhood Park
OM9	Bespoke Amenity Area Lighting

Connection with Kai Tak Public Open Space

Figure B1 demonstrates how KTSP is connecting with the existing and future nearby regional / district public open space (e.g. within 500m).

The green spine (refer to ***Figure B2***) along the perimeter of the site can further enhance the role of the site acting as part of the ecological corridor.

Figure B1 - Green Corridor

Scale 1:8000@A3

Landscape Master Plan

Green Spine

- Interconnection of open space framework
- Green spine linking core of Kai Tak to the Waterfront Promenade

Sports Avenue

ID NO.	Landscape / Visual Mitigation Measure
OM1	Greening of Walkways, Ramps and Decks
OM2	Green Roofs and Vertical Greening
OM3	Compensatory Tree Planting
OM8	Neighbourhood Park

Figure B2 demonstrates the Integration of greenery along the development boundaries and linkage to greenery in adjoining open space projects.

Figure B2 - Green Buffer and Green Spine

Scale 1:4000@A3

Landscape Master Plan

- AIP Stage Landscape Master Plan

LEGEND:

- SITE BOUNDARY
- PLANTING AREA
- LAWN AREA
- HEDGE PLANTING
- PROPOSED TREES
- FORMAL JOGGING TRAIL (400M LOOP)
- SPORTS SURFACING AT PSG
- ARCHITECTURAL CANOPY AT EXIT STAIRCASE
- FITNESS STATION
- TEMPORARY SEAT & PLANTERS
- EARTH MOUND WITH CONTOUR AT 500MM INTERVAL
- EVA ROUTE
- DR — DRAINAGE RESERVE
- EFLS — ENVIRONMENTALLY FRIENDLY LINKAGE SYSTEM
- MITIGATION MEASURE
- VERTICAL GREENING FACADE MODULAR SYSTEM
- VERTICAL GREENING CLIMBERS CABLE SYSTEM
- OM1 — LANDSCAPE/VISUAL MITIGATION MEASURE
- OM9 — VISUAL MITIGATION MEASURE

FFL PROPOSED FINISHED FLOOR LEVEL
TOS PROPOSED TOP OF SOIL LEVEL
TOW PROPOSED TOP OF WALL LEVEL
TOR PROPOSED TOP OF RAILING LEVEL
SL PROPOSED SLAB LEVEL BY OTHER (ARCHITECT/ENGINEER)
PROPOSED ARCHITECTURAL LEVEL/ADJACENT SITE LEVEL
PROPOSED LANDSCAPE LEVEL

ID NO.	Landscape / Visual Mitigation Measure
OM1	Greening of Walkways, Ramps and Decks
OM2	Green Roofs and Vertical Greening
OM3	Compensatory Tree Planting
OM4	Responsive Building Design
OM5	Integration of Development Boundaries
OM6	Integration with Dining Cove and Harbourfront Promenade
OM7	Light Penetration Under Deck
OM8	Neighbourhood Park
OM9	Bespoke Amenity Area Lighting

1 KAI TAK SPORTS AVENUE
2 PIER WALK
3 HO KAI FOUNTAIN (NORTHERN ENTRANCE PLAZA)
4 RUNWAY 31 PLAZA (WESTERN ENTRANCE PLAZA)
5 WESTERN PASSAGEWAY
6 DINING COVE/ HARBOURFRONT PROMENADE
7 BOARDWALK
8 SOUTHERN TERRACE
9 EASTERN PLAZA
10 WALK OF FAME
11 CHILDREN'S PLAY AREA
12 MULTI-PURPOSE BEACH COURTS
13 MULTI-PURPOSE COVERED COURT
14 MULTI-PURPOSE OUTDOOR COURTS
15 AMENITIES BLOCK (TOILET/CAFE)
16 TAI CHI AREA WITH SEATING
17 ENTRANCE PLAZA AT MUK TAI STREET
18 MAIN PLAZA CANOPY
19 TEMPORARY RUNNING TRACK OVERLAY
20 GREENWAY
21 BICYCLE PARKING
22 VEHICLE PARKING
23 TAXI STAND
24 GREEN ROOF (MAINTENANCE ACCESS ONLY)
25 ETFE CANOPY FOR KAI TAK SPORTS AVENUE
26 PARB (PRECISION APPROACH RADAR BUILDING)
27 MULTI-PURPOSE LAWN

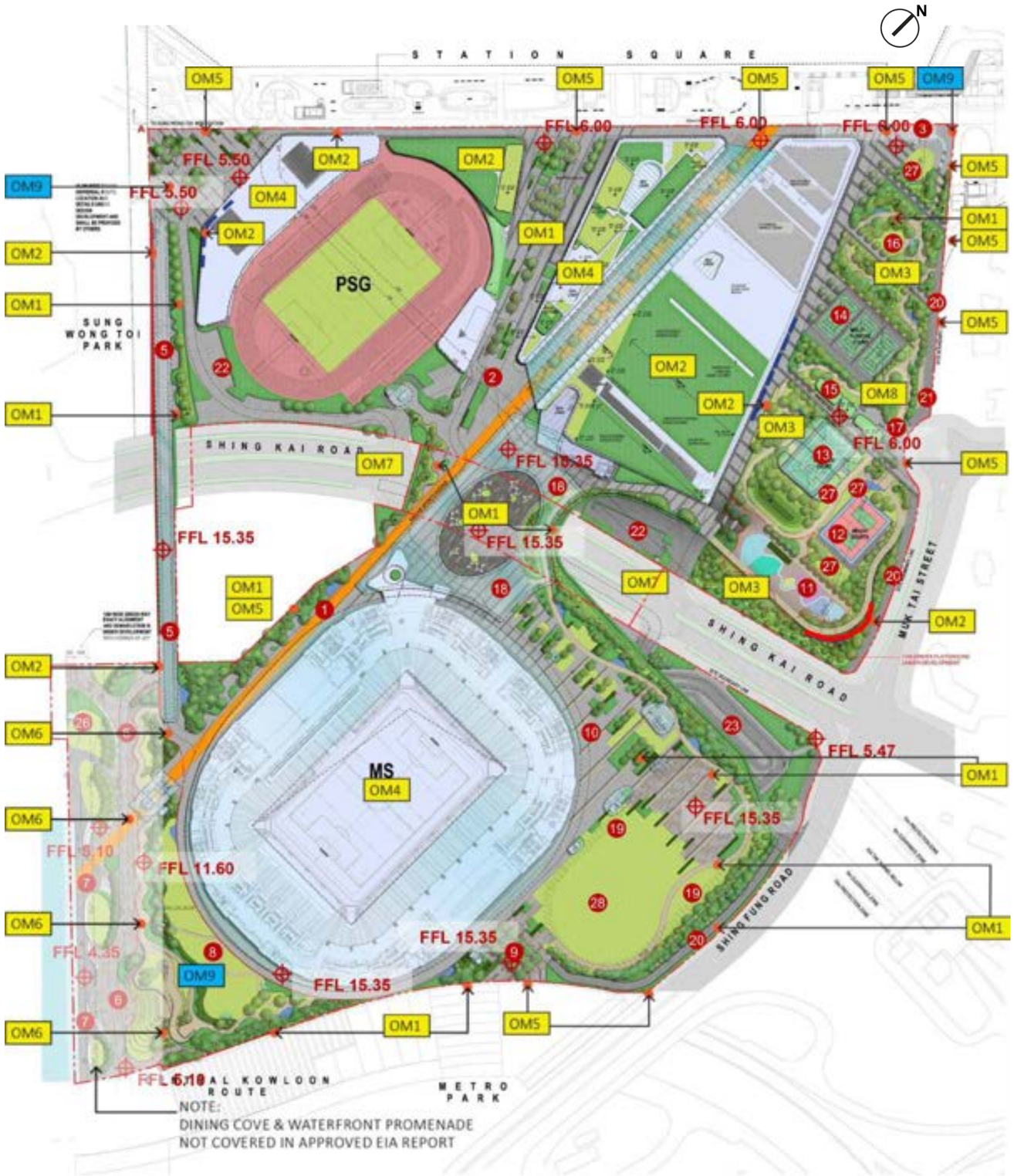


Figure B3 - Landscape Master Plan

Scale 1:4000@A3

Key Landscape Areas

- Sports Avenue
- Main Plaza
- Pier Walk
- Public Sports Ground (PSG)
- Neighbourhood Park
- Walk of Fame
- Event Village
- Corners of Joy
- Dining Cove & Harbourfront Promenade
- Main Stadium (MS)
- Indoor Sports Centre (ISC)
- Runway 31 (Western Passageway)

Figure B4 - Location of Different Functional Zones

Scale 1:4000@A3

Key Landscape Areas

Main Plaza

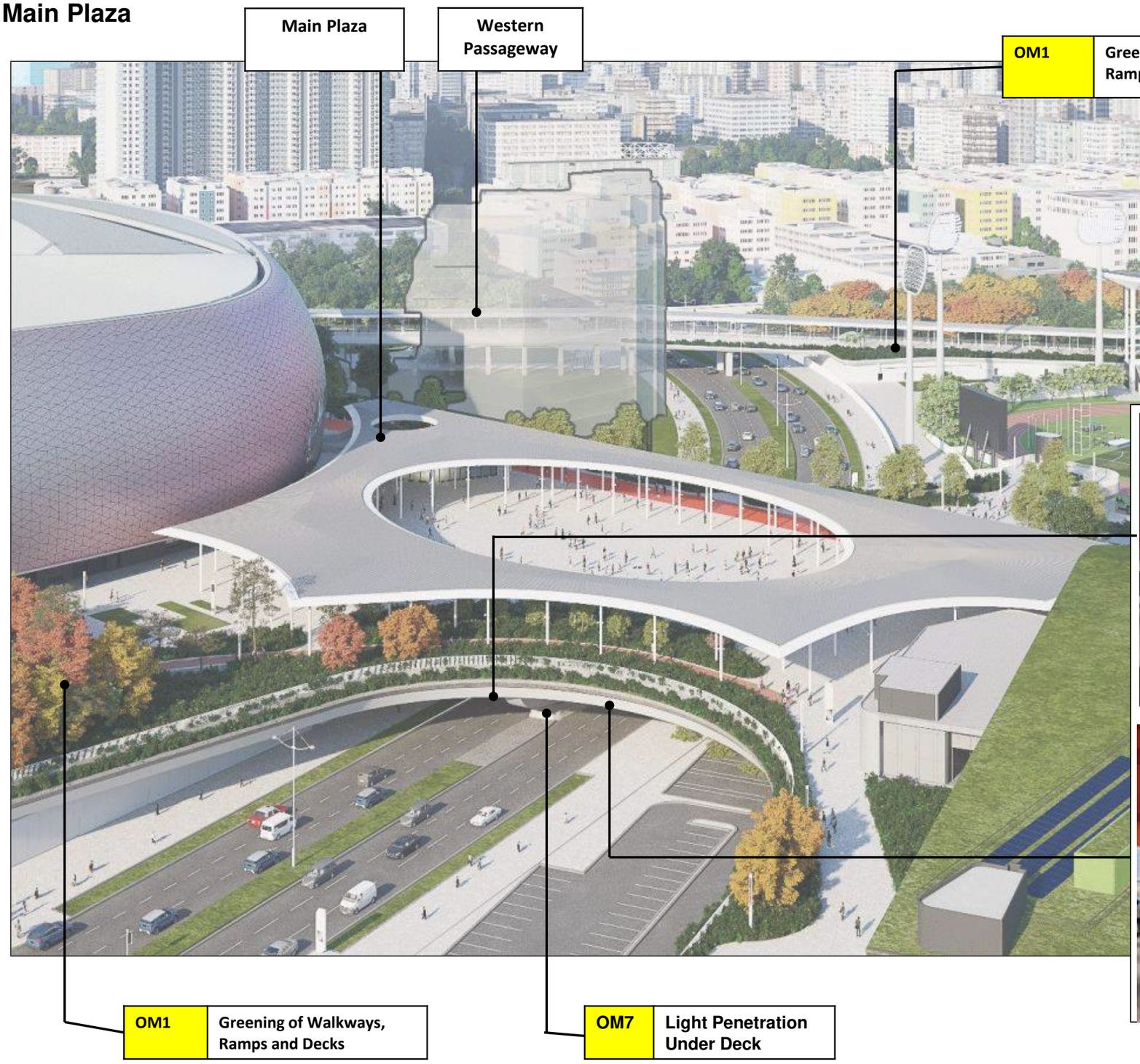


Figure B5 - Main Plaza

Note: Width of the Main Plaza and Western Passageway has reduced from 120m and 23m under the EIA approved scheme to 104m and 13m in the current scheme respectively.

Key Landscape Areas

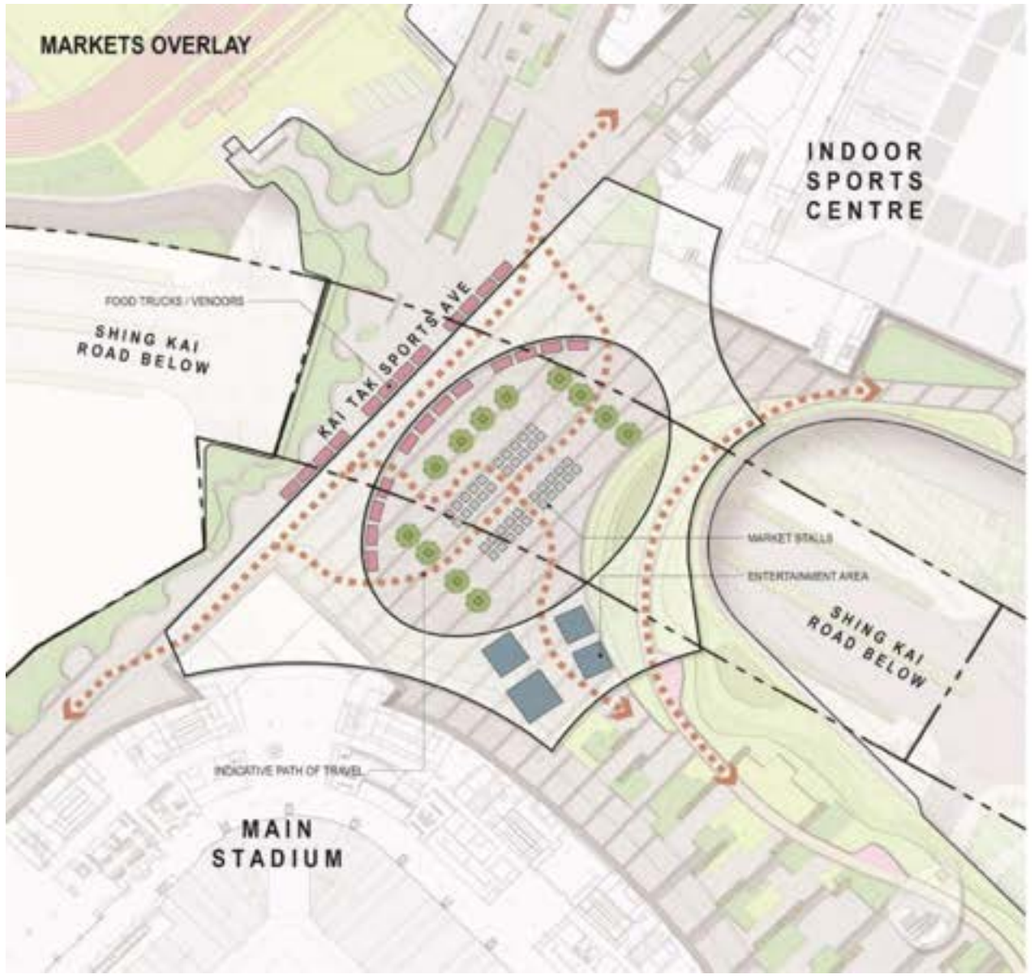
Main Plaza – Activities Layout

Scale 1:2000@A3

Figure B6 - Main Plaza Activities Layout

Key Landscape Areas

Main Plaza – Activities Layout

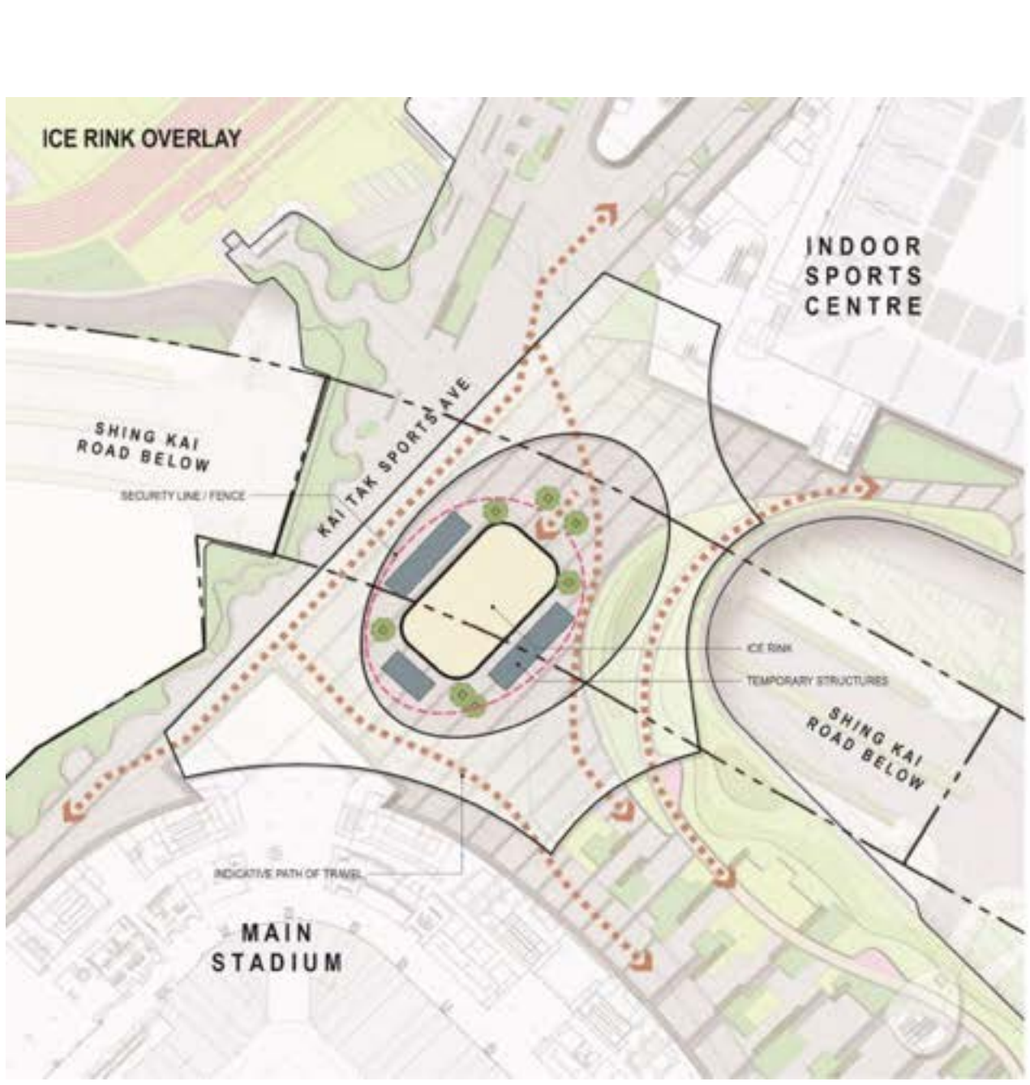


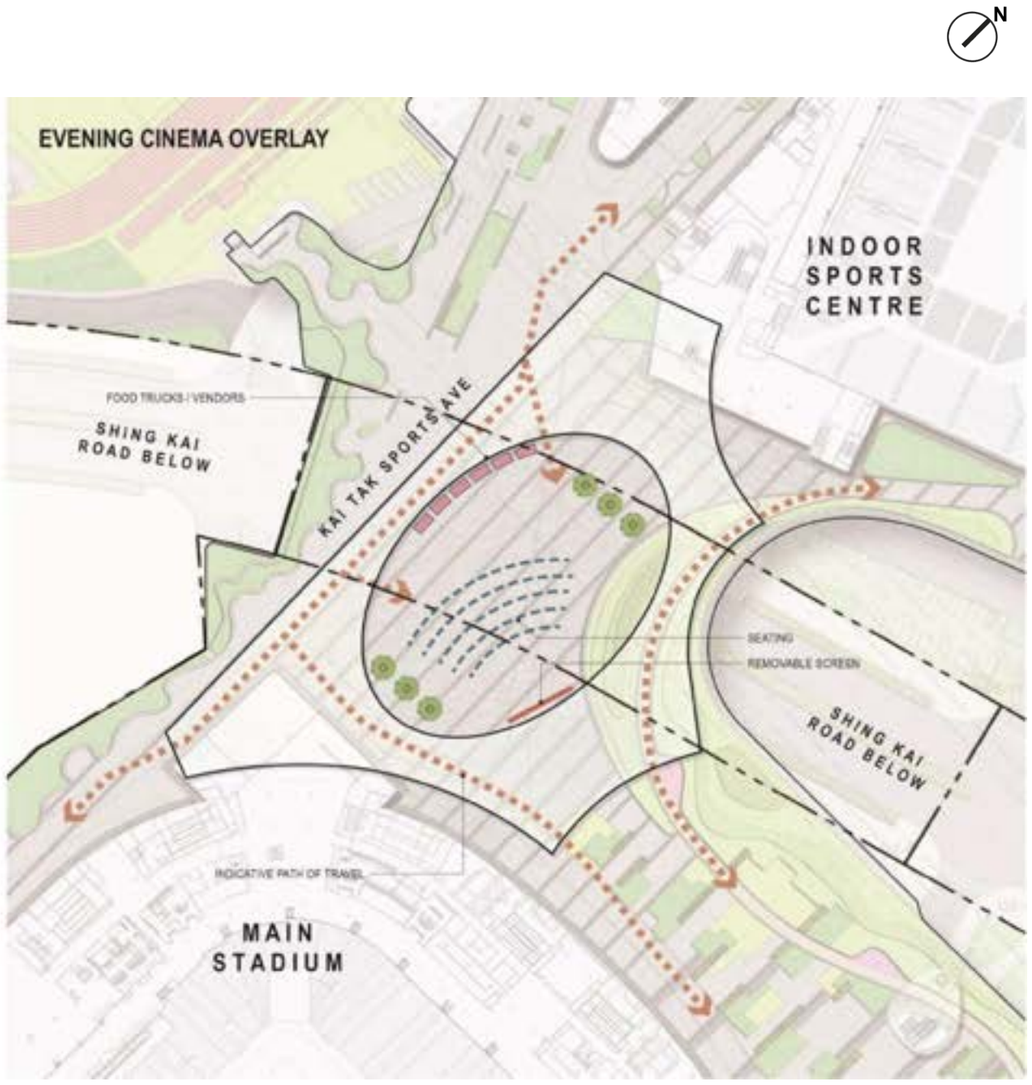
Scale 1:2000@A3

Figure B7 - Main Plaza Activities Layout

Key Landscape Areas

Main Plaza – Activities Layout





Scale 1:2000@A3

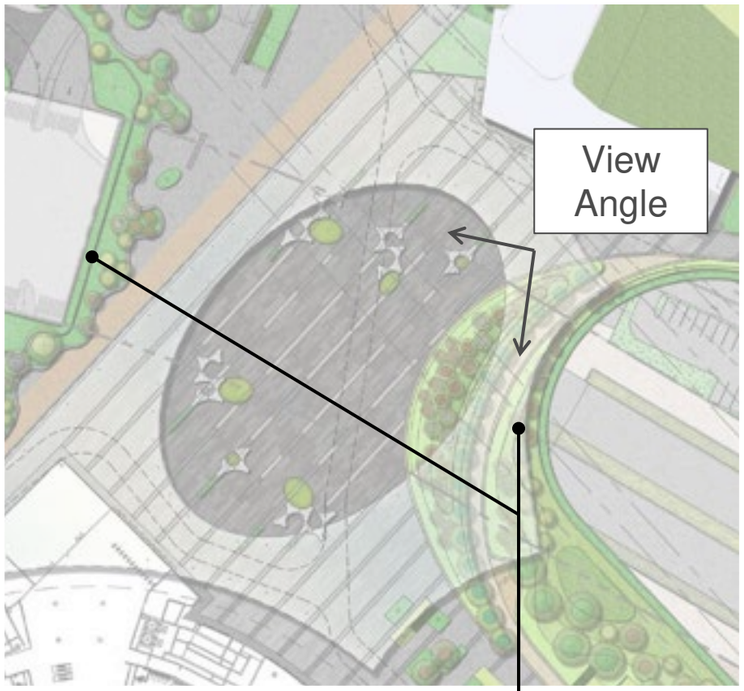
Figure B8 - Main Plaza Activities Layout

Key Landscape Areas

Main Plaza – Activities Layout

Artists Impression – Movable Seating and Planters – non-event mode

OM1	**Greening of Walkways, Ramps and Decks**



Key Plan

OM1	**Greening of Walkways, Ramps and Decks**

Figure B9 - Main Plaza At Non-Event Mode

Key Landscape Areas

Event Village - Activities Layout

1. Temporary Beach Sports Court
2. Mobile /Temporary Seating
3. Supporting Facilities
4. Merchandise
5. Sponsor Activation Zone
6. Food and Beverage
7. Screen and viewing area
8. Media tent
9. Broadcast Centre
10. Volunteers Tent
11. Storage

Figure B10 - Beach Sport Festival

Scale 1:1500@A3

Key Landscape Areas

Event Village - Activities Layout

1. Try Rugby Zone
2. "HSBC Hexagon Suite"
3. Covered Stage
4. Food Truck
5. Sponsor Activation Zone
6. Face Painting
7. Toilets
8. Jumping Castle
9. Cathay Pacific Hospo Tent
10. Staff catering
11. Volunteer centre
12. Storage

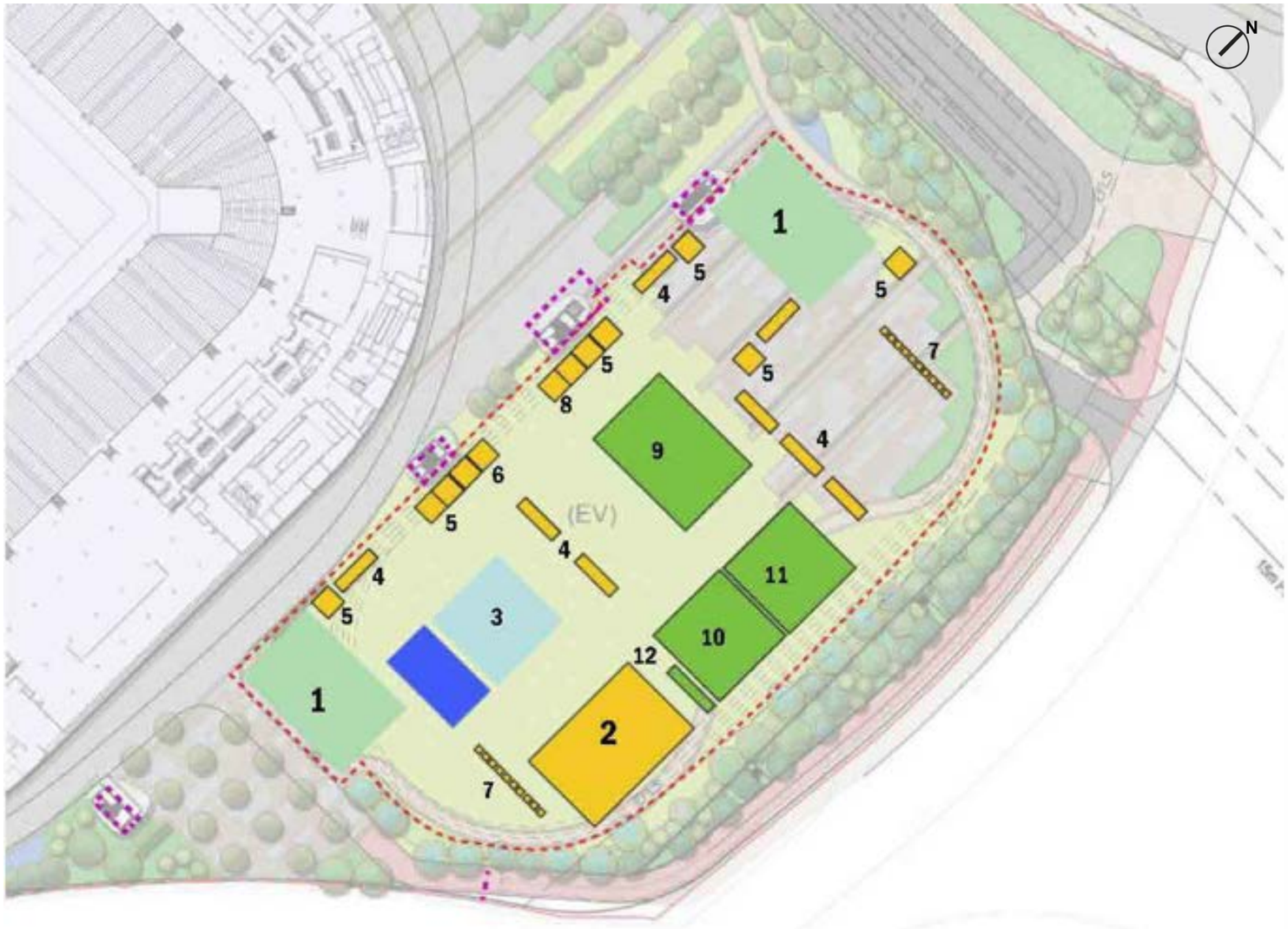


Figure B11 - HK Sevens Event Village

Scale 1:1500@A3

Key Landscape Areas

Event Village - Non- Event Day

Hard Paved Area

The use of temporary seating, shelters and movable planters design is under development

Note: Temporary seating, shelters and movable planters is under design development

Figure B12 - Non Event Day

Scale 1:1500@A3

Key Landscape Areas

Neighbourhood Park

- Au Tak Path
- East/West Connection
- Jogging Track
- Greenway
- Multi-functional Lawn

ID NO.	Landscape / Visual Mitigation Measure
OM3	Compensatory Tree Planting
OM5	Integration of Development Boundaries
OM8	Neighbourhood Park
OM9	Bespoke Amenity Area Lighting

In accordance with the Employer's Requirements of the KTSP, the provision of additional facilities including 1 more open sports court, additional covered sports court and amenities block including toilet with the park also re-named as "Neighbourhood Park" to echo with the Kai Tak Development Area planning concept of grid neighbourhood for the residential development.

Master planning of the KTSP aims to integrate the buildings with the open spaces as well as enhancing connectivity between the Neighbourhood Park and the adjacent neighbourhood. The ball courts setting are revised with axial linkages driving pedestrian flow from the residential development towards the east, through the park with lush greenery to the indoor sports centre. All the Ball Courts, Jogging Track, Fitness Stations, Tai Chi Area and Children's Play Area are primarily for the regular use of adjacent residential communities.

The revised design has maintained equivalent greenery areas with more dynamic curvilinear pathway strolling through the ball courts and various types of planting and undulating landform creating changing experience and visual amenity to the park users instead of a central hard paved avenue in the EIA approved scheme of the "Urban Park".

Views from the inland to the coastal area is also maintained with smooth transition through the ramp and children's play areas at the southern edge of the Park to the landscape deck of Event Village across Shing Kai Road.

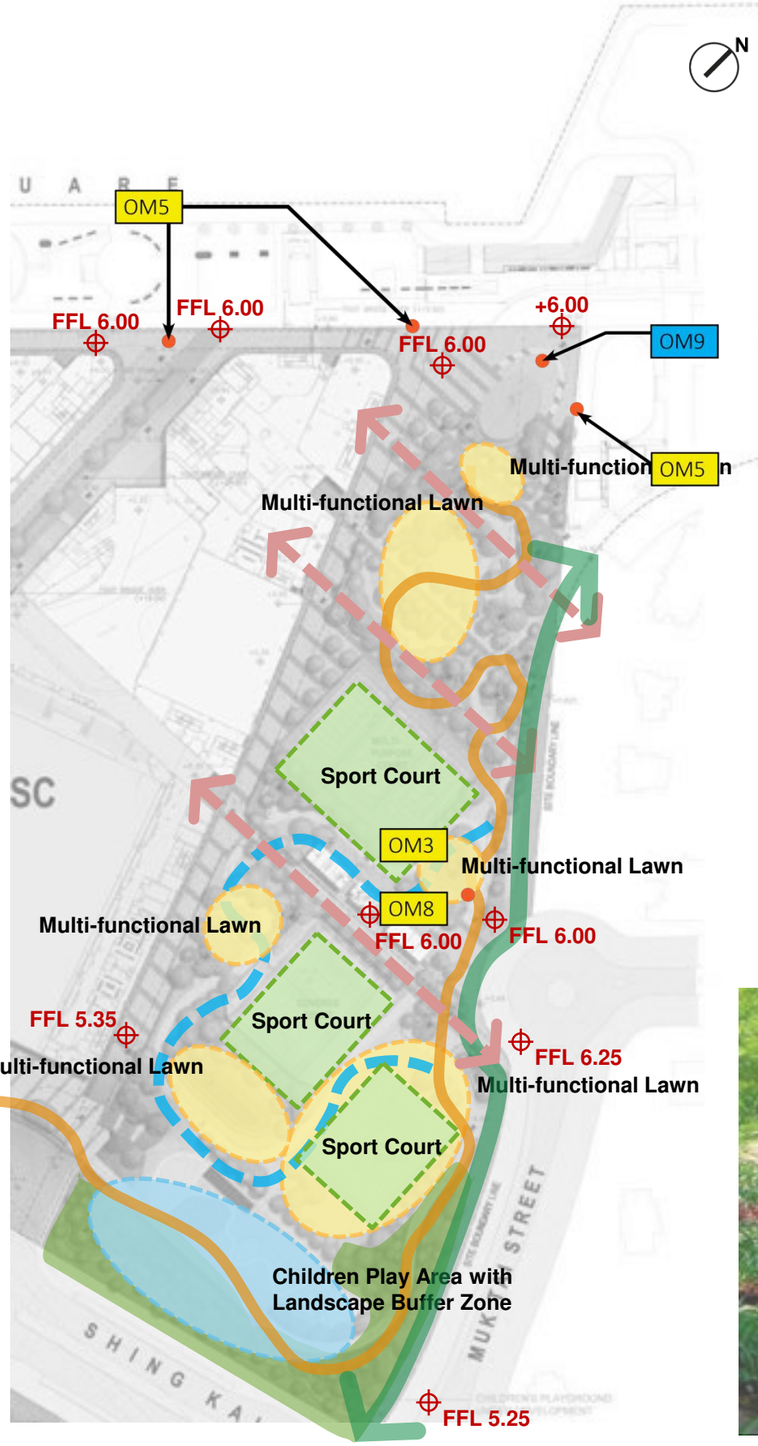


Figure B13 - Neighbourhood Park

Scale 1:1500@A3

Key Landscape Areas

Neighbourhood Park

OM3	Compensatory Tree Planting
OM8	Neighbourhood Park

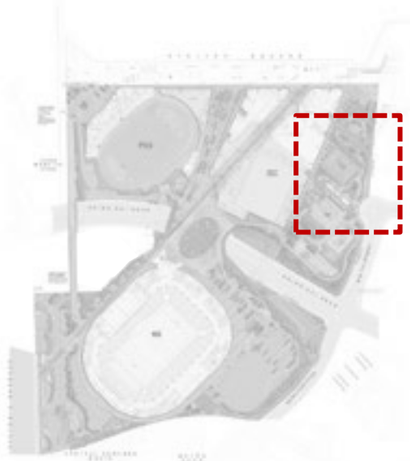
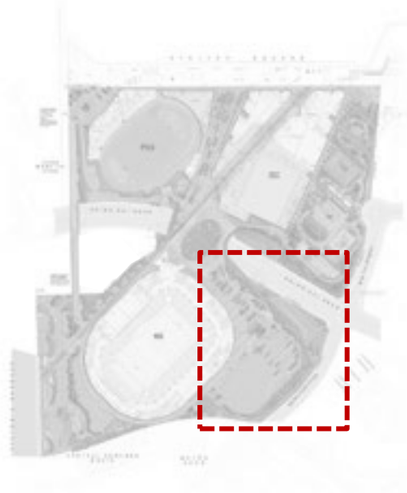


Figure B14 - Neighbourhood Park

Key Landscape Areas

Walk of Fame + Event Village

- Pedestrian Connection
- Visual Integration



Au Tak Path

Pedestrian Connection

Greenway

Pocket Space

Eastern Plaza

ID NO.	Landscape / Visual Mitigation Measure
OM1	Greening of Walkways, Ramps and Decks
OM5	Integration of Development Boundaries

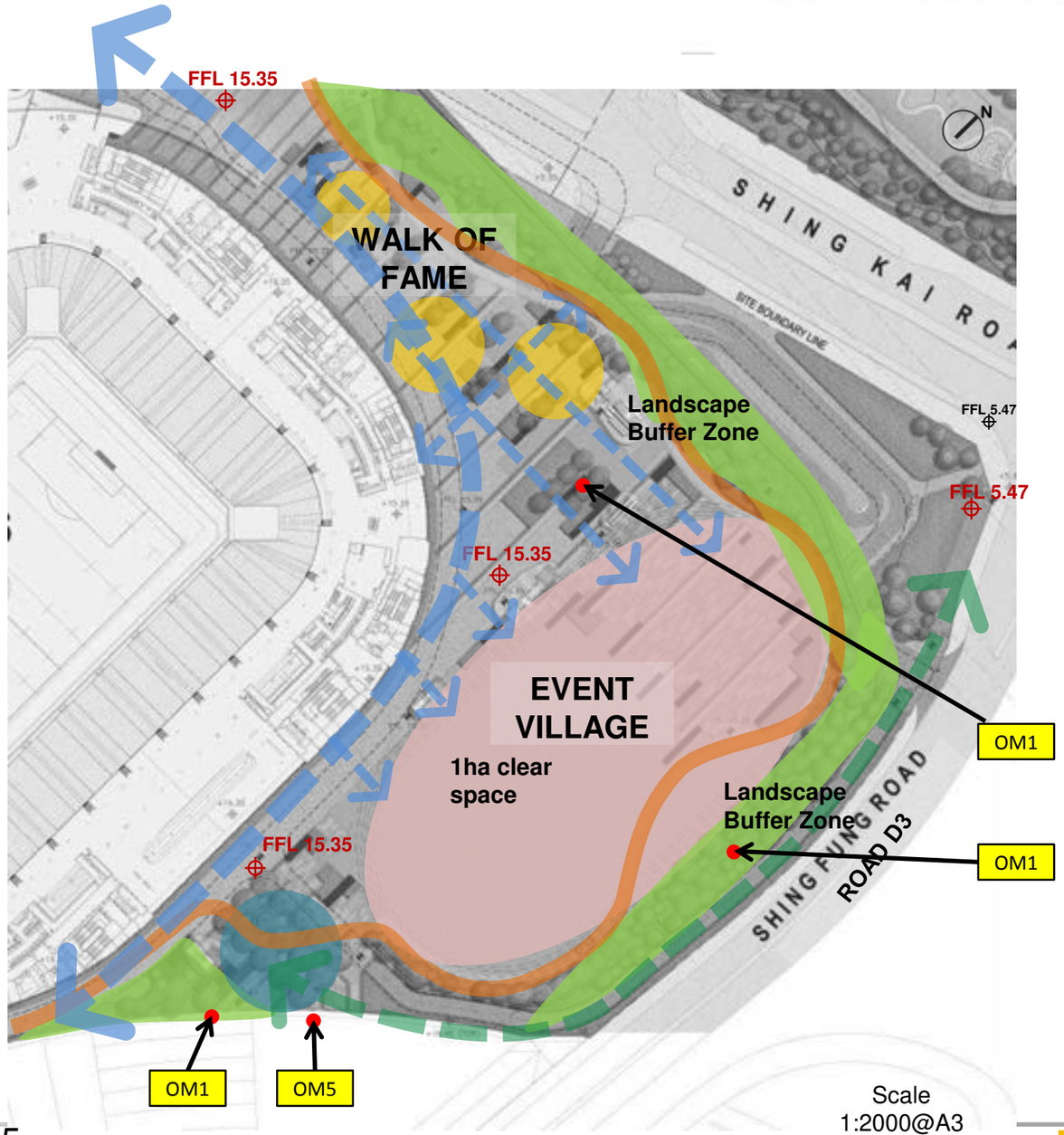


Figure B15 - Walk of Fame + Event Village

Key Landscape Areas

Walk of Fame + Event Village

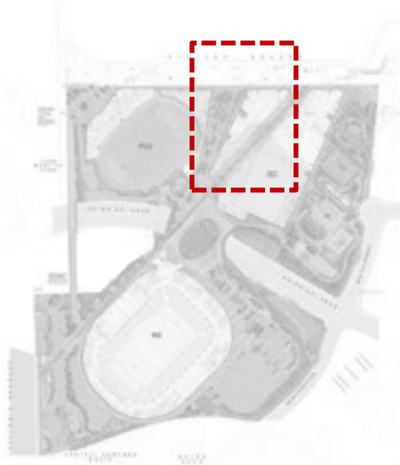
ID NO.	Landscape / Visual Mitigation Measure
OM1	Greening of Walkways, Ramps and Decks

Figure B16 - Walk of Fame

Key Landscape Areas

Sports Avenue + Pier Walk

- The Big Connection



Pier Walk (Major crowd dispersal route)

Sport Avenue (Major crowd dispersal route)

East/West Connection

Pocket Space (shaded area)

ID NO.	Landscape / Visual Mitigation Measure
OM1	Greening of Walkways, Ramps and Decks
OM5	Integration of Development Boundaries

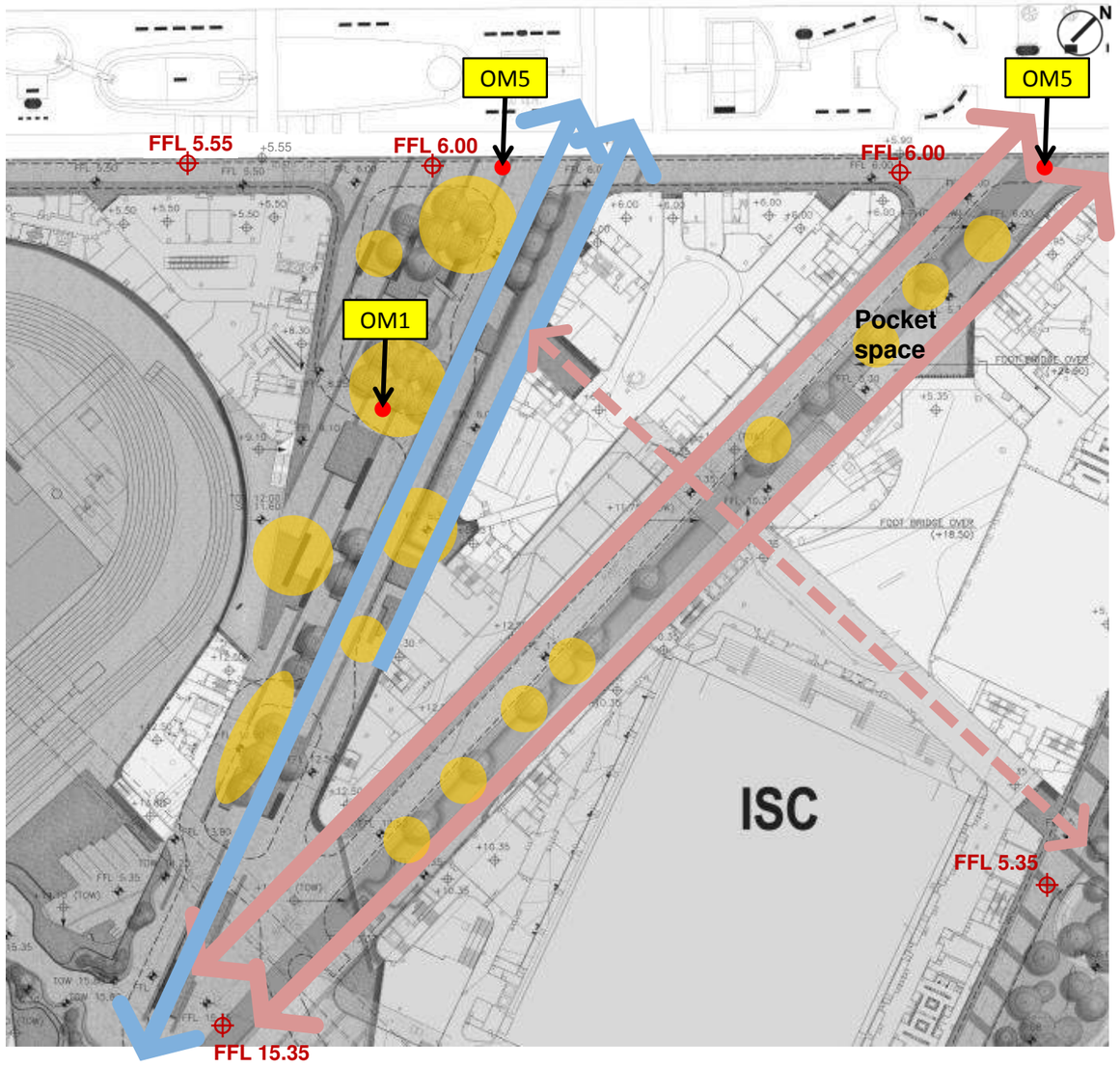


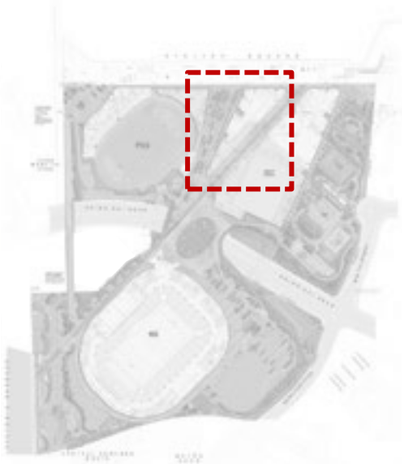
Figure B17 - Sports Avenue + Pier Walk

Scale 1:2000@A3

Key Landscape Areas

Pier Walk

ID NO.	Landscape / Visual Mitigation Measure
OM1	Greening of Walkways, Ramps and Decks
OM5	Integration of Development Boundaries



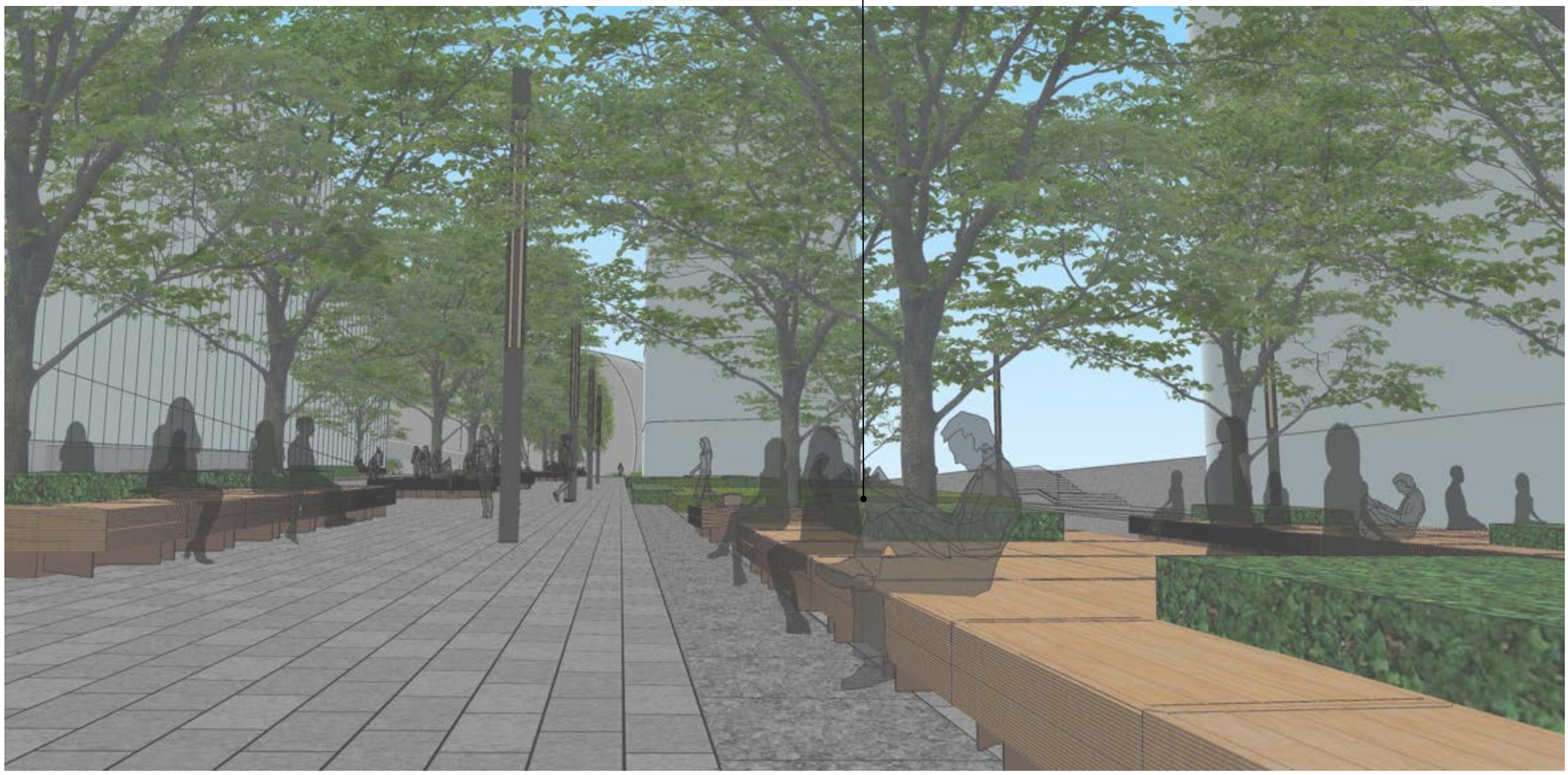


Figure B18 - Pier Walk

Key Landscape Areas

Sports Avenue

Sport Avenue

Pedestrian Corridor

Greenway / Pedestrian Connection

Pocket Space

Bicycle Parking

Multi-Purpose Lawn

Note: Connection with hotel and office will be provided. Pending coordination with the relevant developer

ID NO.	Landscape / Visual Mitigation Measure
OM1	Greening of Walkways, Ramps and Decks
OM2	Green Roofs and Vertical Greening
OM5	Integration of Development Boundaries
OM6	Integration with Dining Cove and Harbourfront Promenade

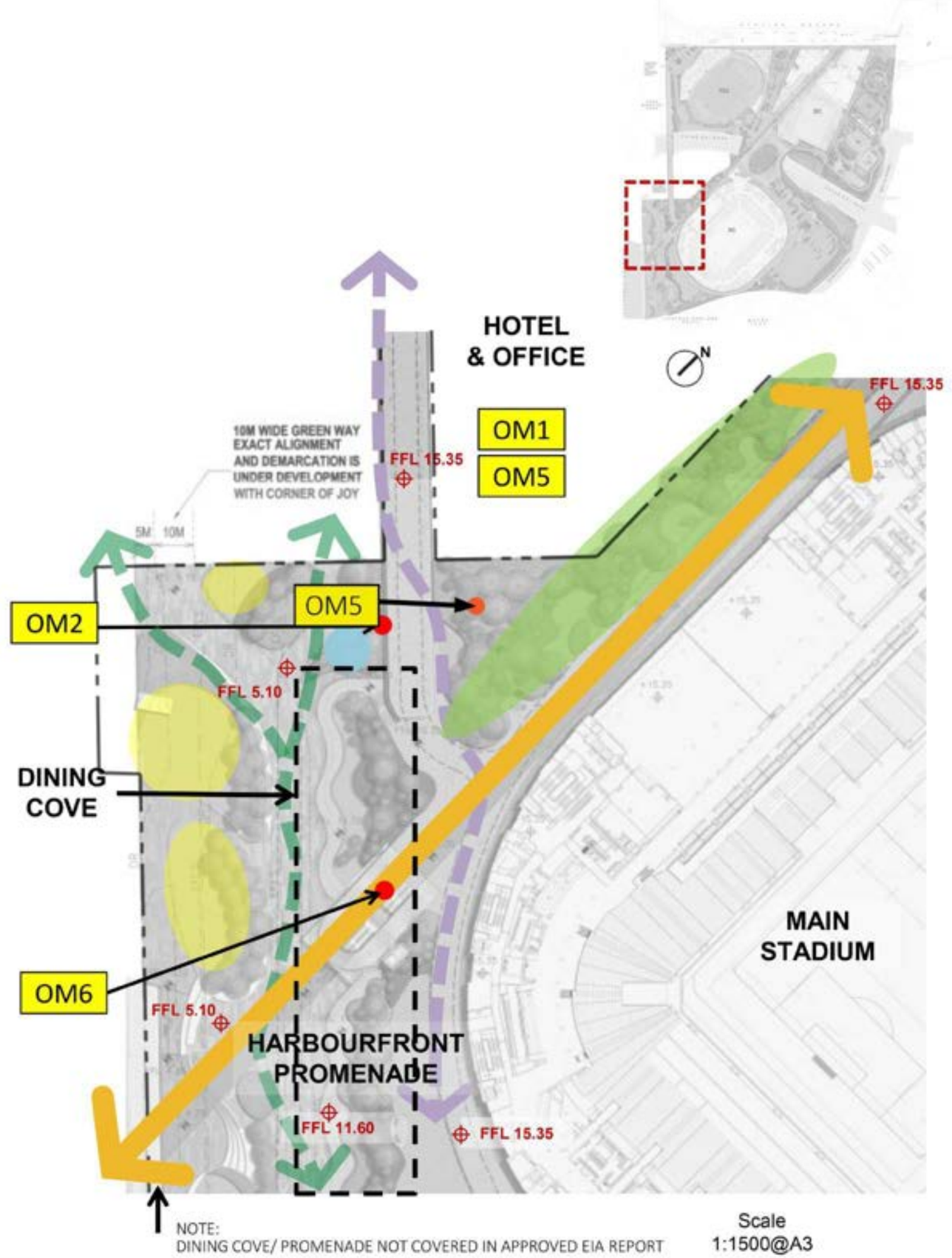


Figure B19 - Sports Avenue

Key Landscape Areas

Corners of Joy + Harbourfront Promenade

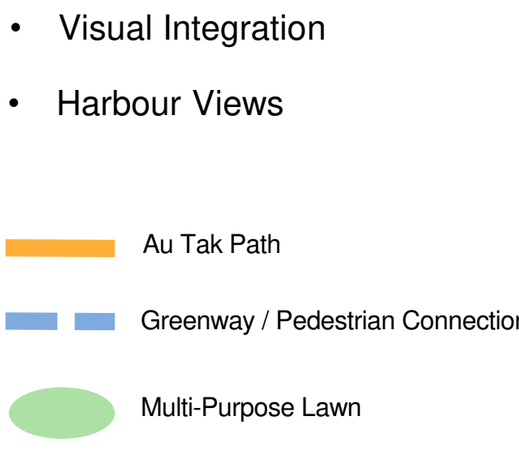
- Pedestrian Connection to Harbourfront
- Visual Integration
- Harbour Views

Au Tak Path

Greenway / Pedestrian Connection

Multi-Purpose Lawn

Viewing Promontory



ID NO.	Landscape / Visual Mitigation Measure
OM1	Greening of Walkways, Ramps and Decks
OM2	Green Roofs and Vertical Greening
OM5	Integration of Development Boundaries
OM6	Integration with Dining Cove and Harbourfront Promenade
OM9	Bespoke Amenity Area Lighting

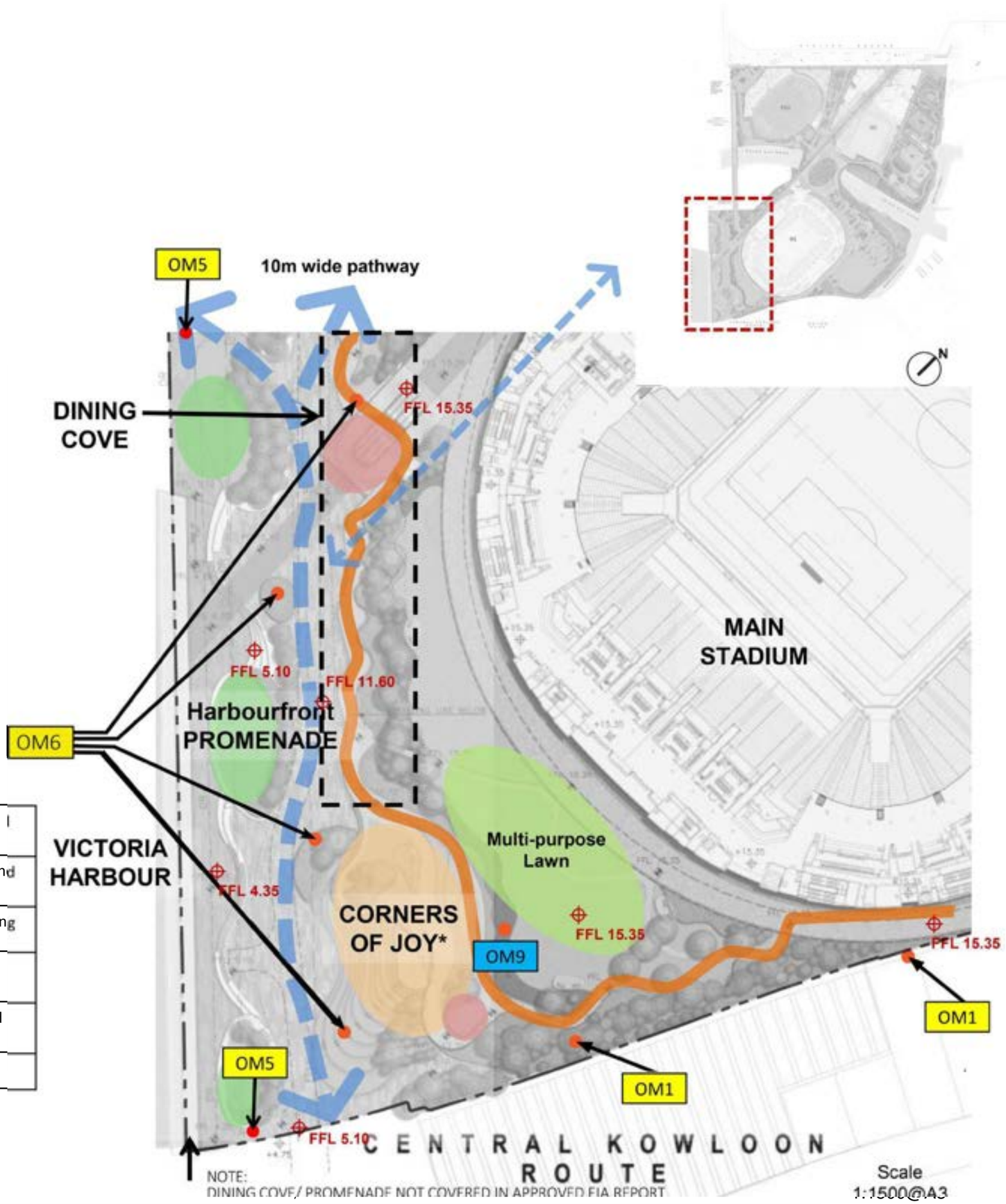
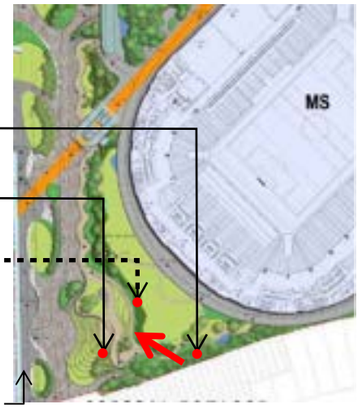


Figure B20 - Corners of Joy + Harbourfront Promenade

Key Landscape Areas

Corners of Joy + Harbourfront Promenade

ID NO.	Landscape /Visual Mitigation Measure
OM1	Greening of Walkways, Ramps and Decks
OM6	Integration with Dining Cove and Harbourrfront Promenade
OM9	Bespoke Amenity Area Lighting



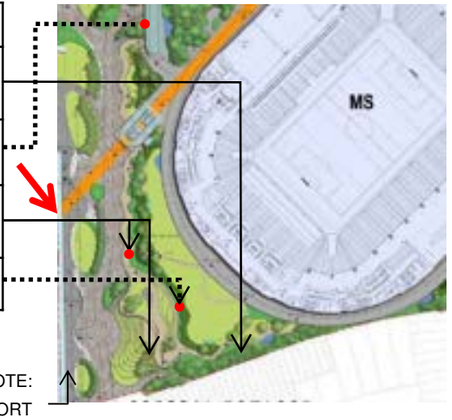
NOTE:
DINING COVE/ PROMENADE NOT COVERED IN APPROVED EIA REPORT

Figure B21 – Corners of Joy

Key Landscape Areas

Corners of Joy + Harbourfront Promenade

ID NO.	Landscape / Visual Mitigation Measure
OM1	Greening of Walkways, Ramps and Decks
OM2	Green Roofs and Vertical Greening
OM6	Integration with Dining Cove and Harbourfront Promenade
OM9	Bespoke Amenity Area Lighting



NOTE:
DINING COVE/ PROMENADE NOT COVERED IN APPROVED EIA REPORT

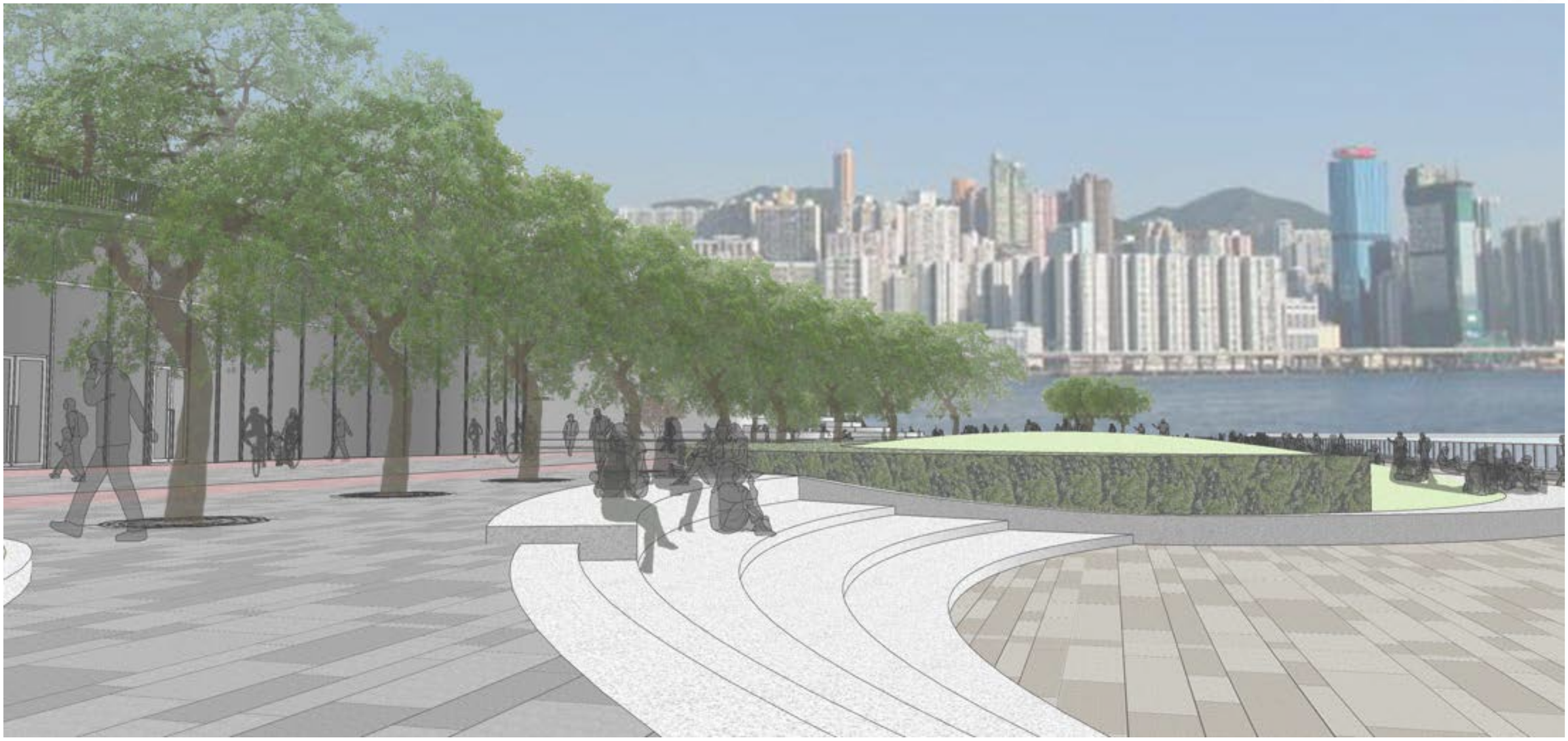


Figure B22 - Harbourfront Promenade

Key Landscape Areas

Public Sports Ground

Pedestrian Passage

Pedestrian Connection

Public Sports Ground

ID NO.	Landscape / Visual Mitigation Measure
OM1	Greening of Walkways, Ramps and Decks
OM5	Integration of Development Boundaries
OM9	Bespoke Amenity Area Lighting

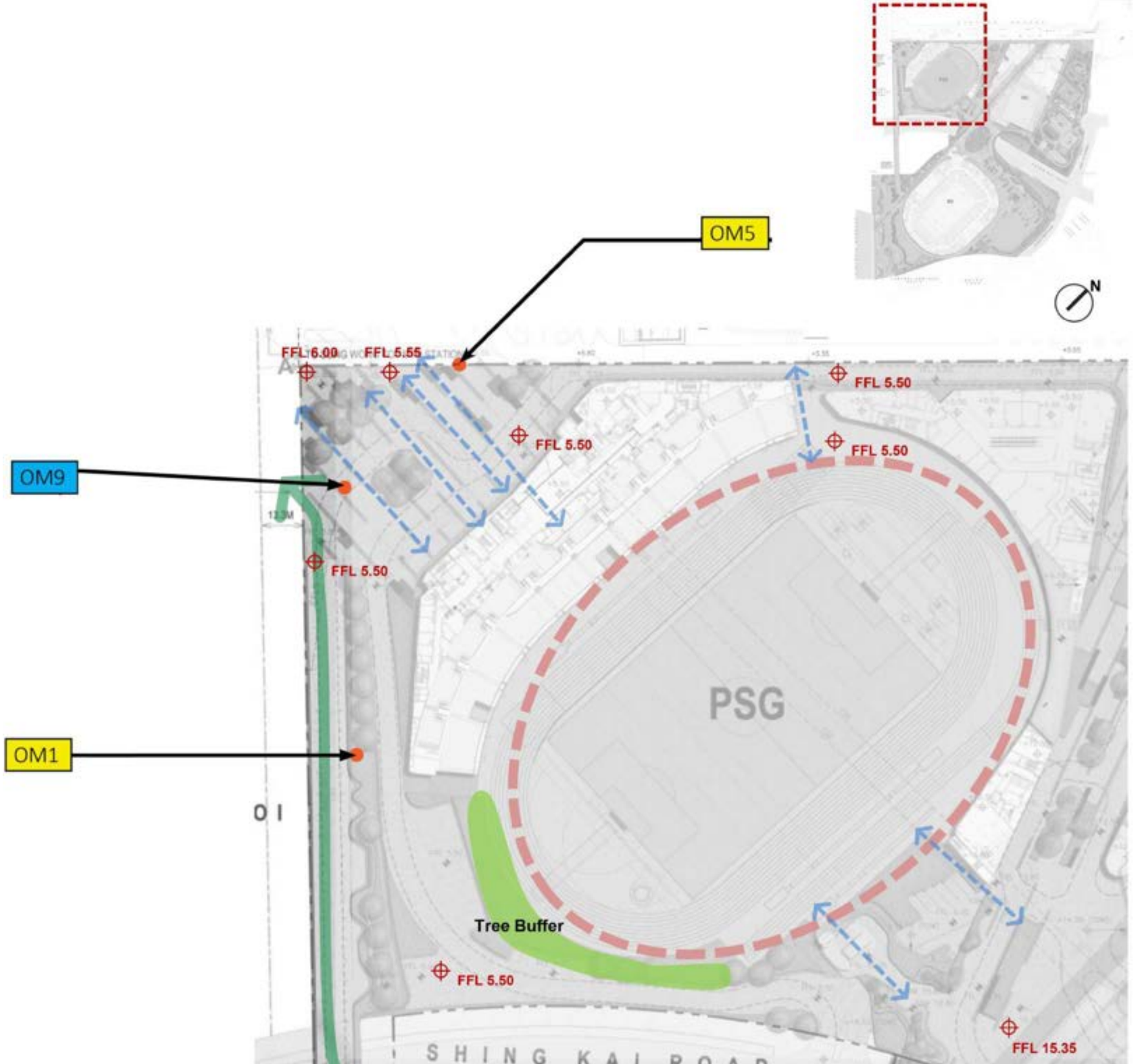


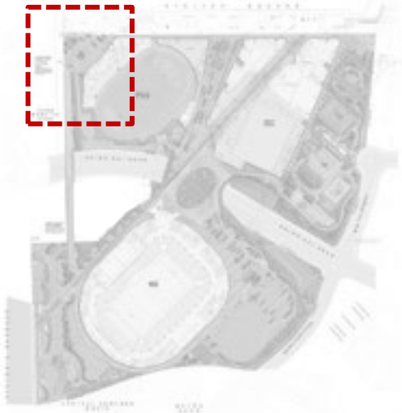
Figure B23 - Public Sports Ground

Scale
1:1500@A3

Key Landscape Areas

Public Sports Ground

ID NO.	Landscape / Visual Mitigation Measure
OM1	Greening of Walkways, Ramps and Decks
OM2	Green Roofs and Vertical Greening
OM4	Responsive Building Design
OM5	Integration of Development Boundaries
OM9	Bespoke Amenity Area Lighting



Façade Vertical Greening

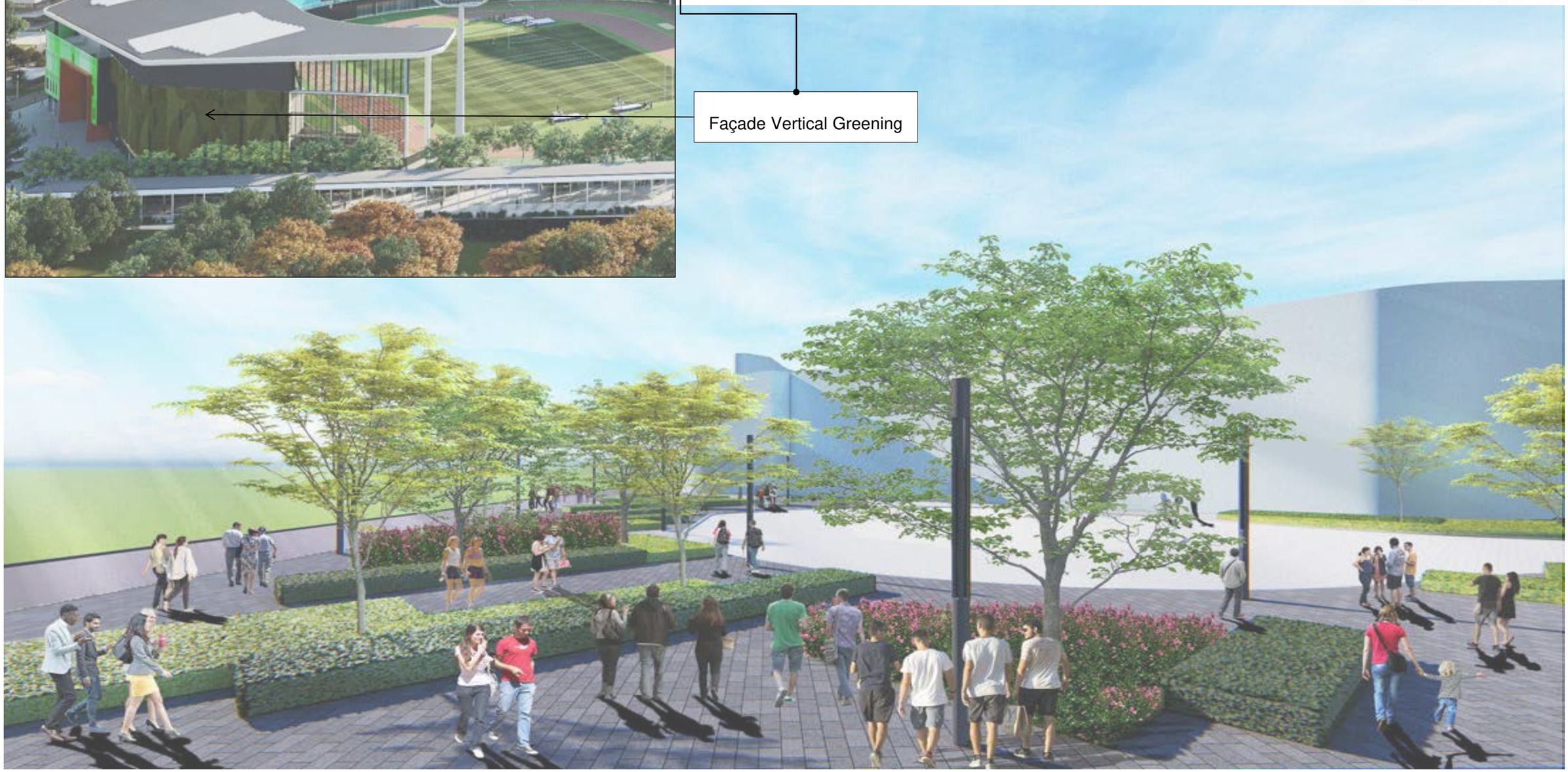


Figure B24 - PSG Arrival Plaza

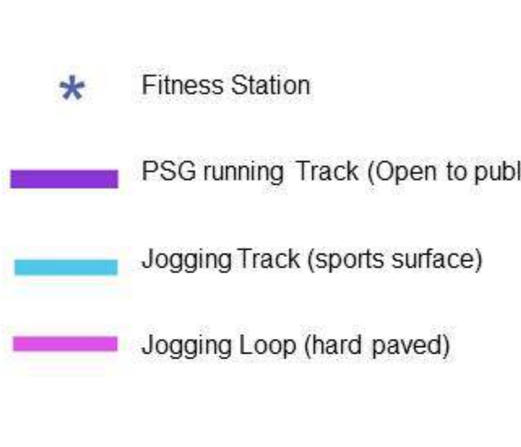
Fitness Network

* Fitness Station

PSG running Track (Open to public in non-event days - sports surface)

Jogging Track (sports surface)

Jogging Loop (hard paved)



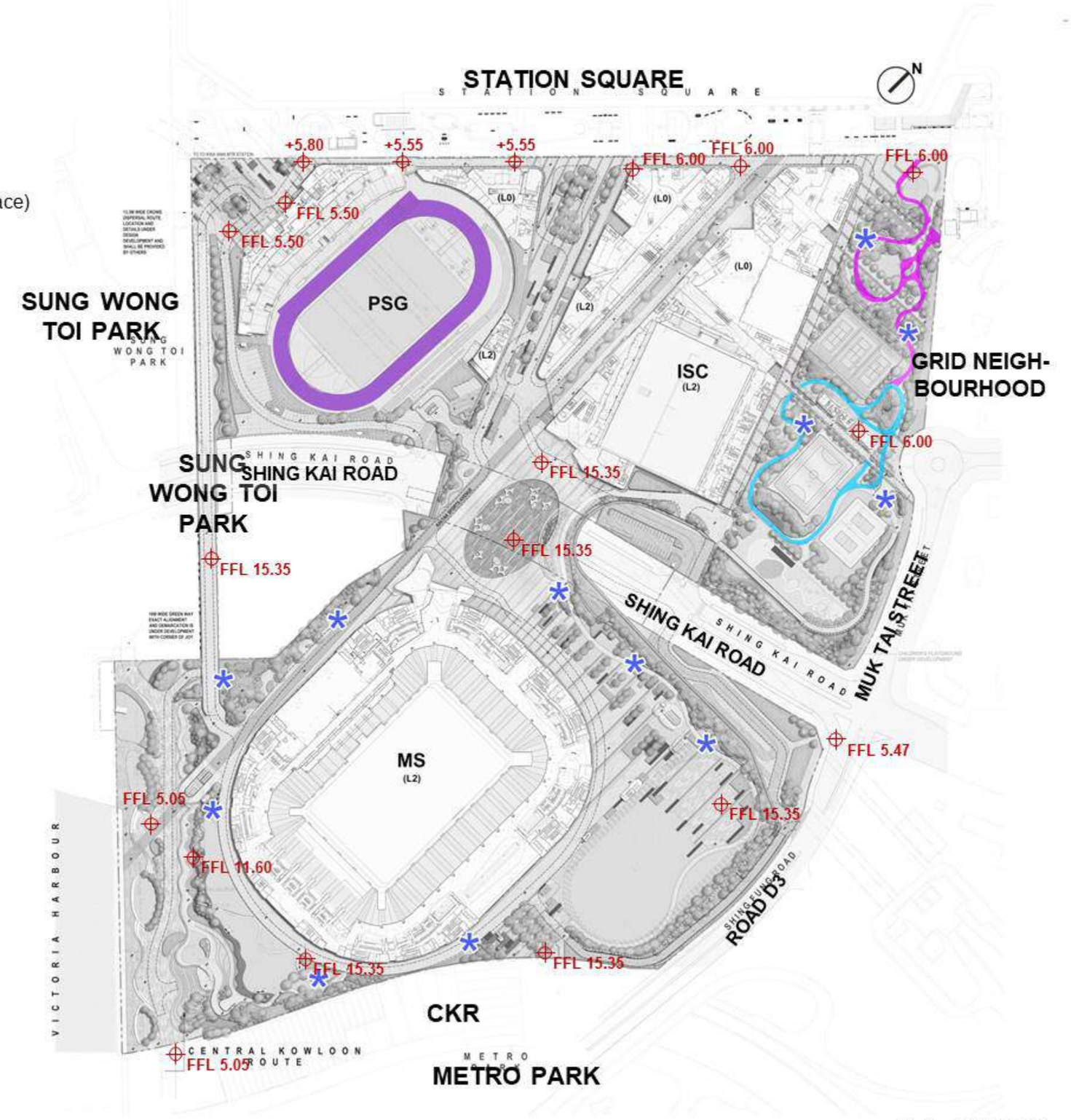


Figure B25 - Fitness Network

Scale 1:4000@A3

Landscape Master Plan

Connectivity

Pedestrian Connectivity

Sports Avenue

East/West Connection

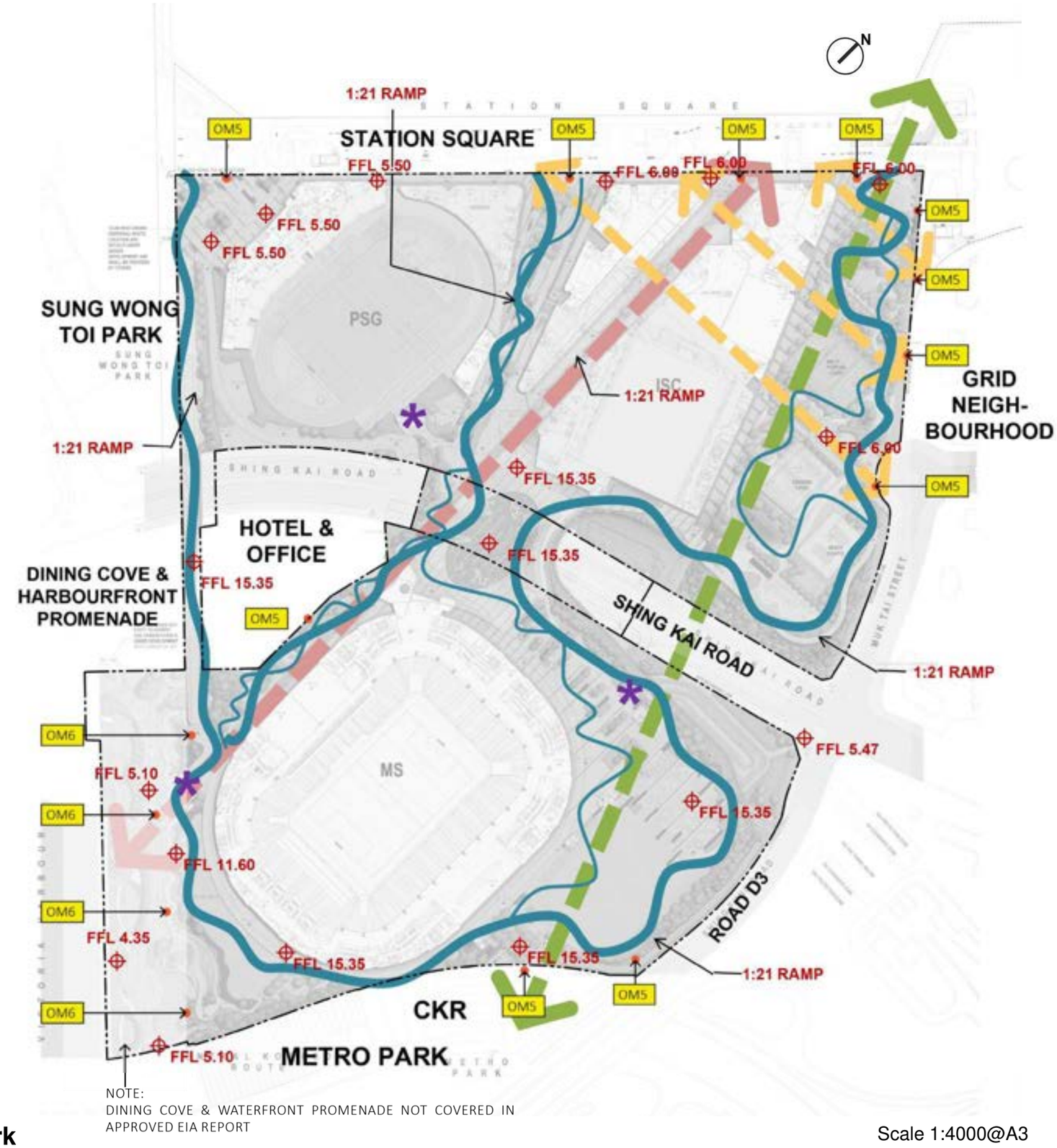
Au Tak Path

Lift / Escalator connection to podium level

View Corridor

Lion Rock Vista

ID NO.	Landscape / Visual Mitigation Measure
OM5	Integration of Development Boundaries
OM6	Integration with Dining Cove and Harbourfront Promenade



NOTE:
DINING COVE & WATERFRONT PROMENADE NOT COVERED IN APPROVED EIA REPORT

Figure B26 - Key Pedestrian Walkway in Kai Tak Sports Park

Scale 1:4000@A3

Key Landscape Areas

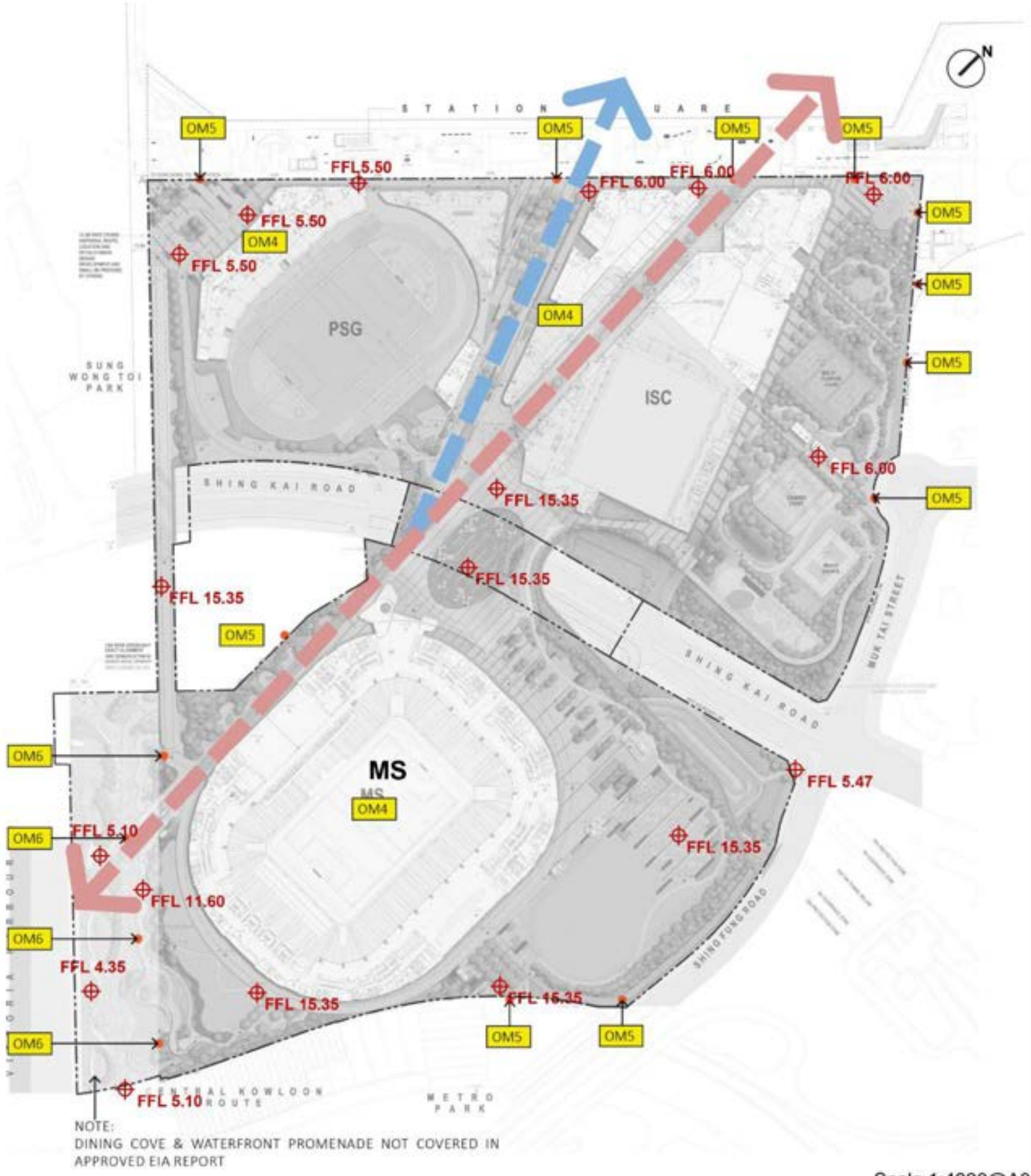
Sports Avenue + Pier Walk

Sports Avenue

Pier Walk

ID NO.	Landscape / Visual Mitigation Measure
OM4	Responsive Building Design
OM5	Integration of Development Boundaries
OM6	Integration with Dining Cove and Harbourront Promenade

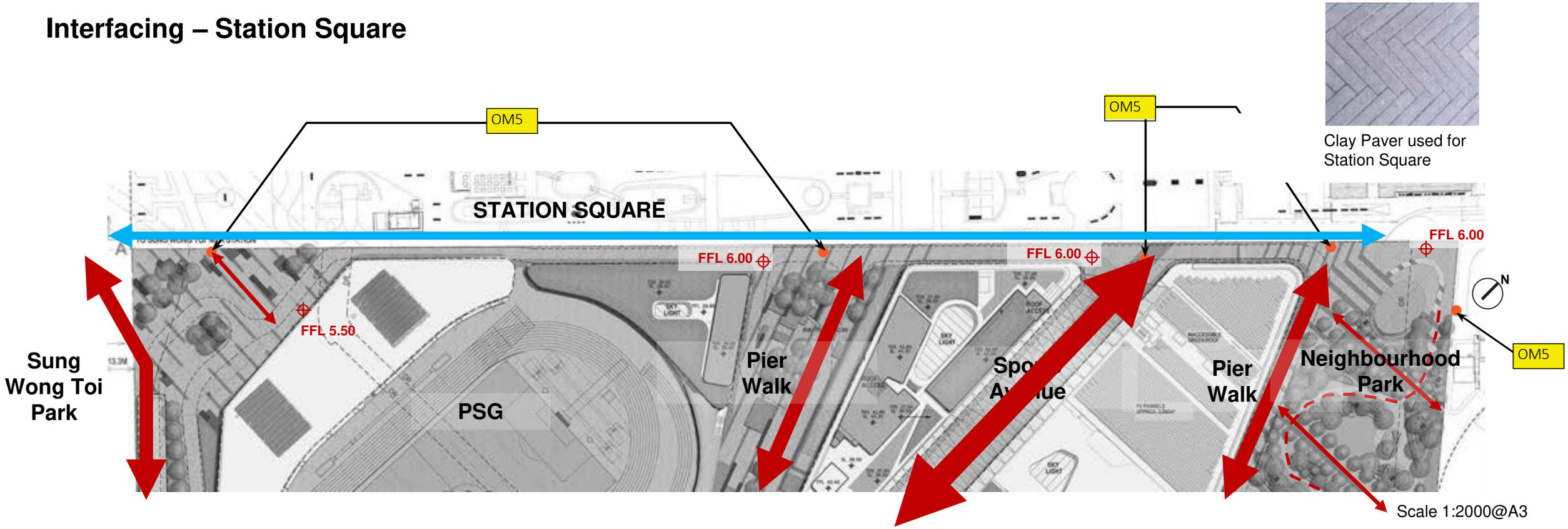
Champ Elysees, Paris



Scale 1:4000@A3

Figure B27 - Sports Avenue + Pier Walk

Interfacing – Station Square



Clay Paver used for Station Square

View of Pier Walk

Legend

- Key Pedestrian circulation route within Station Square
- Key route within Kai Tak Sports Park
- Secondary routes within Kai Tak Sports Park
- Meandering Au Tak Path

ID NO.	Landscape / Landscape Mitigation Measure
OM5	Integration of Development Boundaries

Interfacing strategy - agreed with Station Square Project Team

- Note: The Station Square Project is at early Construction Stage
- Visually consistent paving is proposed along the interface to allow for continuous pedestrian environment (as well as serving EVA function). The proposed paving colour and unit size are selected to compliment the grey clay brick pavers proposed within Station Square.
- Planters with trees are proposed within KTSP close to the interface at PSG, Pier Walk and Neighborhood park, to provide continuity of greening an shade from greening within Station Square.
- U-channels are proposed along the boundary to manager the surface run-off from the 2 sites. The levels within KTSP have been developed to allow continuous pedestrian movement between the sites.

The plan above demonstrates that the project boundary is obstruction free and allows for pedestrians to move freely into the KTSP site from the adjoining spaces through a variety of routes provided with greening.

Figure B28 - Station Square Interface

Interfacing – Sung Wong Toi Park

- Sung Wong Toi Park is still in the Planning Stage with no design information available currently.

- Coordination has been conducted to brief the project proponent of the KTSP design as well as the construction programme.

- The plan demonstrates that the project boundary is obstruction free and allows for pedestrians to move freely into the KTSP. Built forms along the boundary with Sung Wong Toi Park are proposed with vertical greening system with climbing plants to visually integrate KTSP with the planned open space.

ID NO.	Landscape / Visual Mitigation Measure
OM5	Integration of Development Boundaries

Legend

- 13m wide pedestrian corridor (outside KTSP site)
- Min. 10m wide covered walkaway within KTSP
- Pedestrian Circulation within KTSP
- Pedestrian Circulation within Station Square
- Vertical Greening within KTSP
- Sung Wong Toi Park

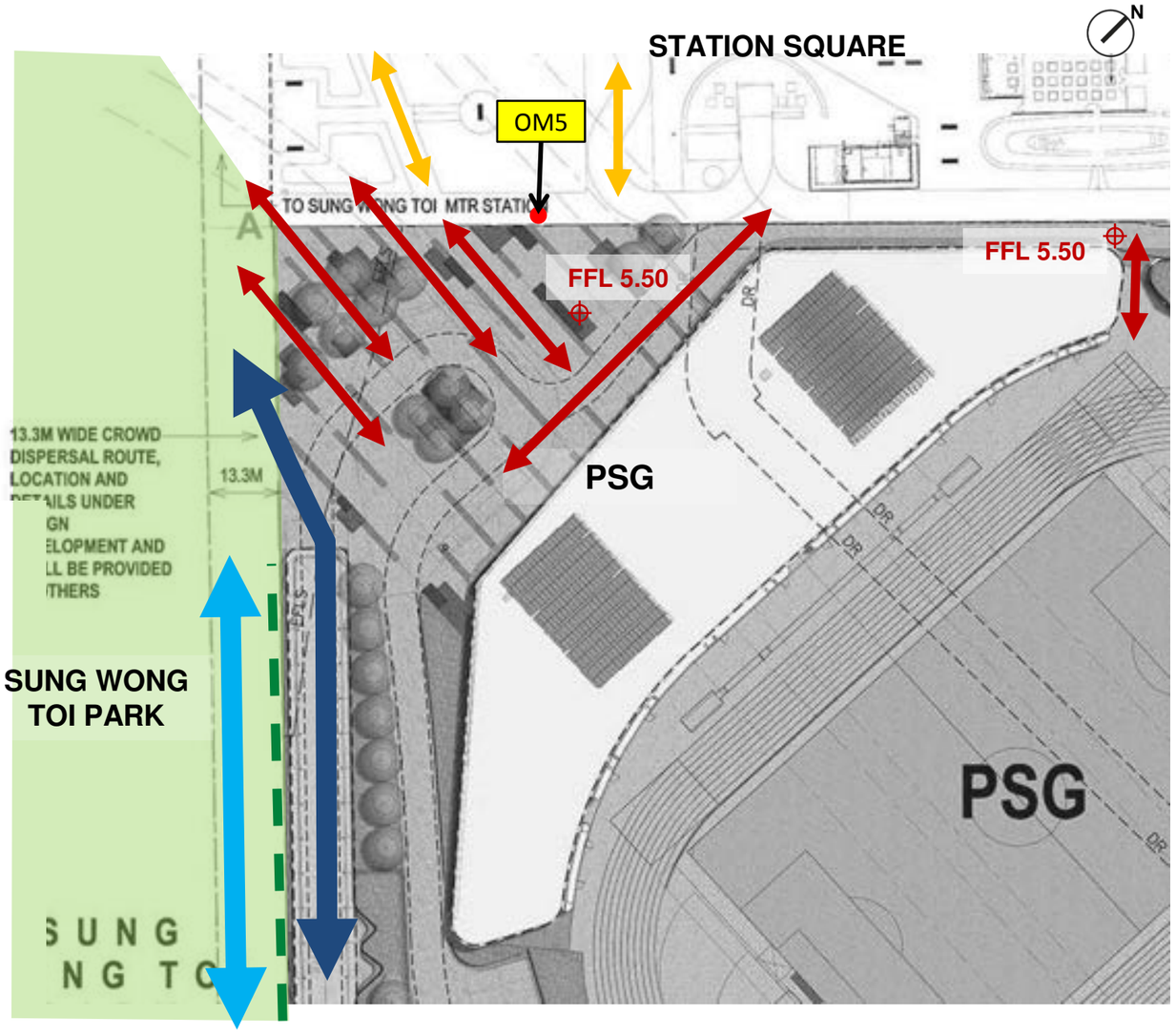


Figure B29 - Sung Wong Toi Park Interface

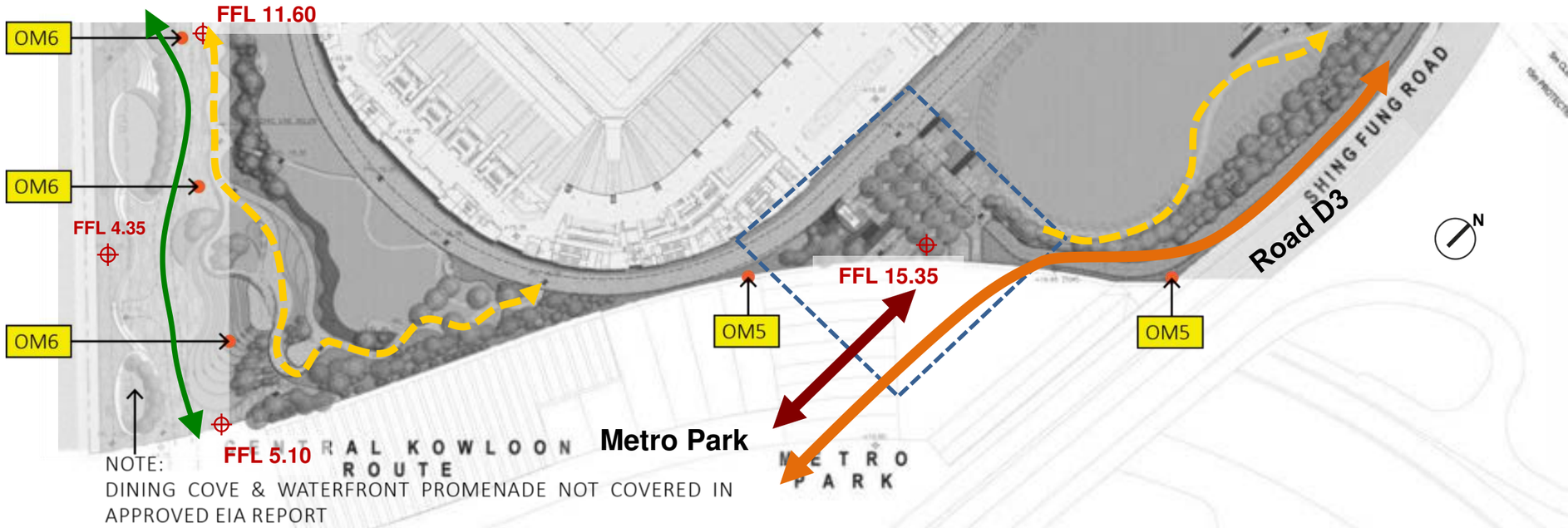
Scale 1:1500@A3

Interfacing - Metro Park and Road D3

ID NO.	Landscape / Visual Mitigation Measure
OM5	Integration of Development Boundaries
OM6	Integration with Dining Cove and Harbourfront Promenade

Legend

- Au Tak Path / meandering path
- Kai Tal District Greenway (6m wide)
- Future Metro Park Connection
- Kai Tak District Greenway (10m wide includes 6m EVA)
- Eastern Plaza interface with landscape deck connection to Metro Park



Scale 1:2000@A3

Agreed Interface Treatment

- Connection point identified to interface at paved area at FFL +15.35 mPD to Metro Park
- Buffer planting edge with balustrade provided at top of soil level of +15.30mPD and constant top of balustrade level at +16.45mPD

Note: Connection between KTSP and Road D3 has been provided.

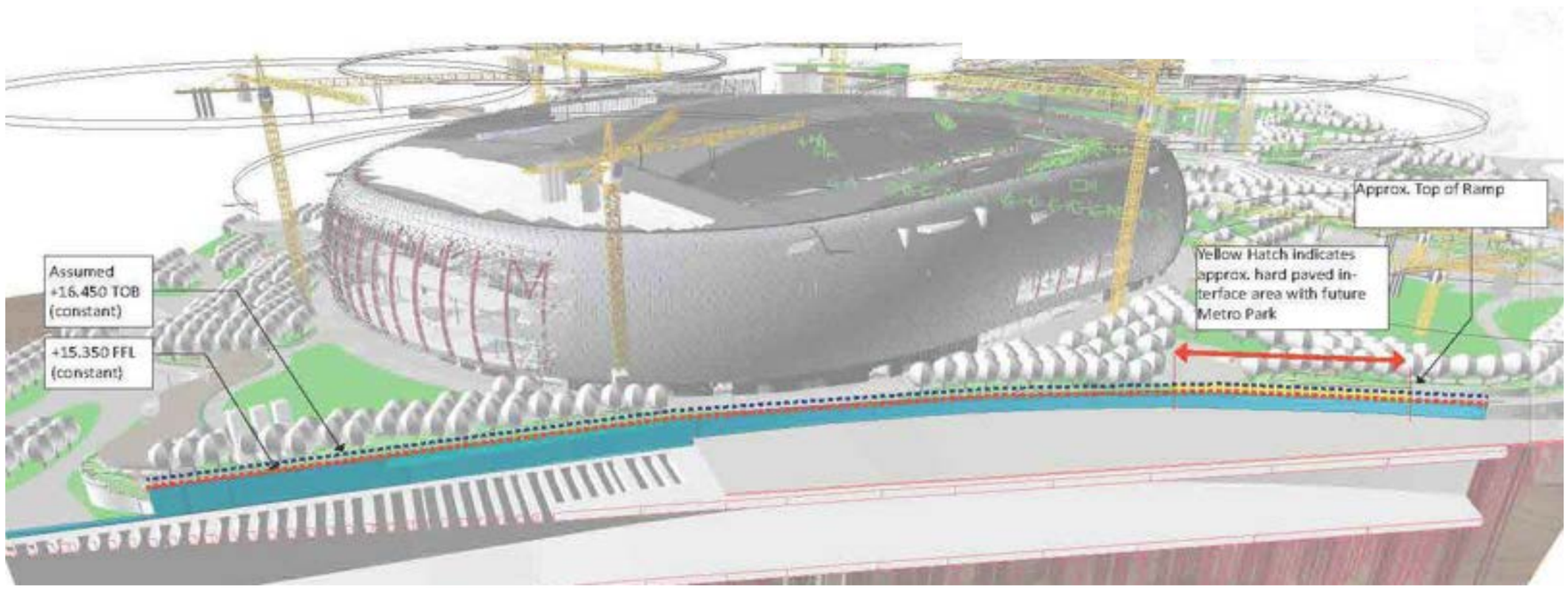


Figure B30 - Metro Park Interface

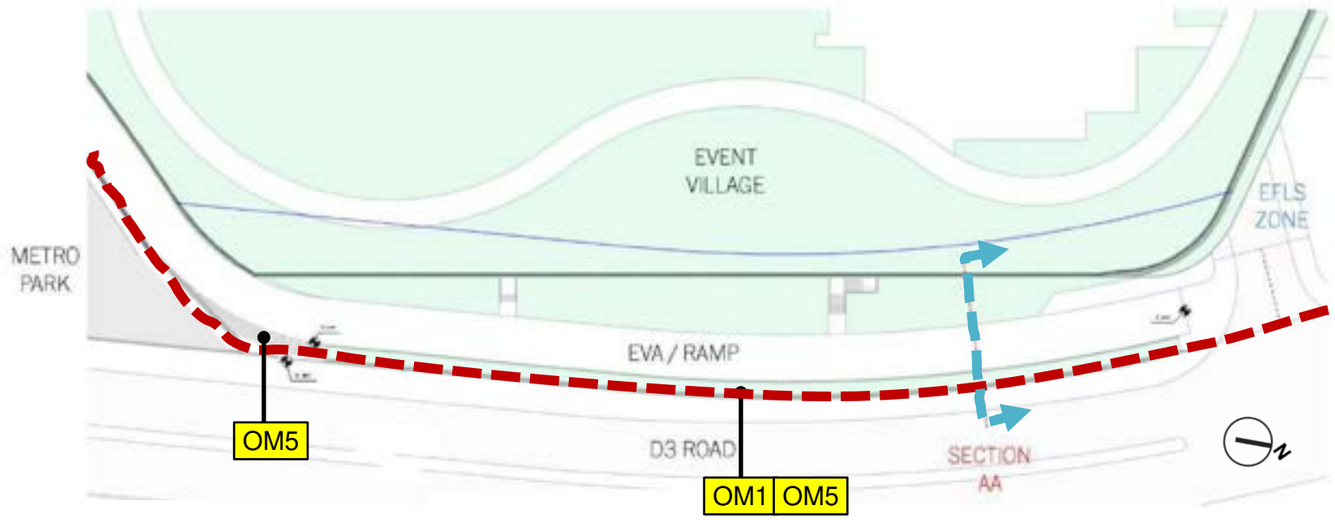
Interfacing - Road D3 Landscape Buffer Zone

Shrub Planting zone

- Planting with hedge form with low maintenance requirement
- Mix of 2-3 species of common form
- Height of approx. 1m to provide sense of enclosure and separation from carriageway + allow for passive surveillance.
- Include small leafed species to help trap airborne particulates beside road.

Tree and Shrub planting zone

- Densely planted landscape buffer
- Provided at two levels for visual screening



SECTION AA

Scale 1:1000@A3

Legend

Tree and Shrub Planting Zone

Shrub Planting Zone

ID NO.	Landscape / Visual Mitigation Measure
OM1	Greening of Walkways, Ramps and Decks
OM5	Integration of Development Boundaries

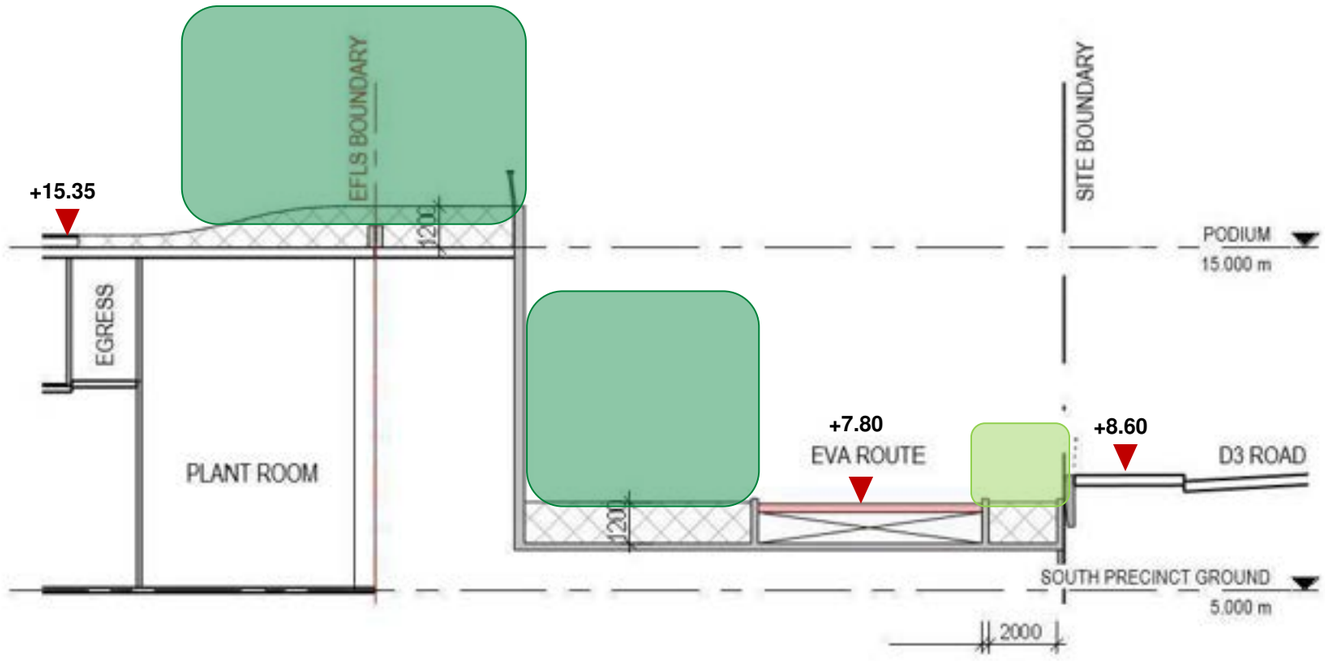


Figure B31 - Road D3 Interface

GreenWay

Greenway proposed by CEDD

Outside site by other

Within site by KTSP

ID NO.	Landscape / Visual Mitigation Measure
OM5	Integration of Development Boundaries

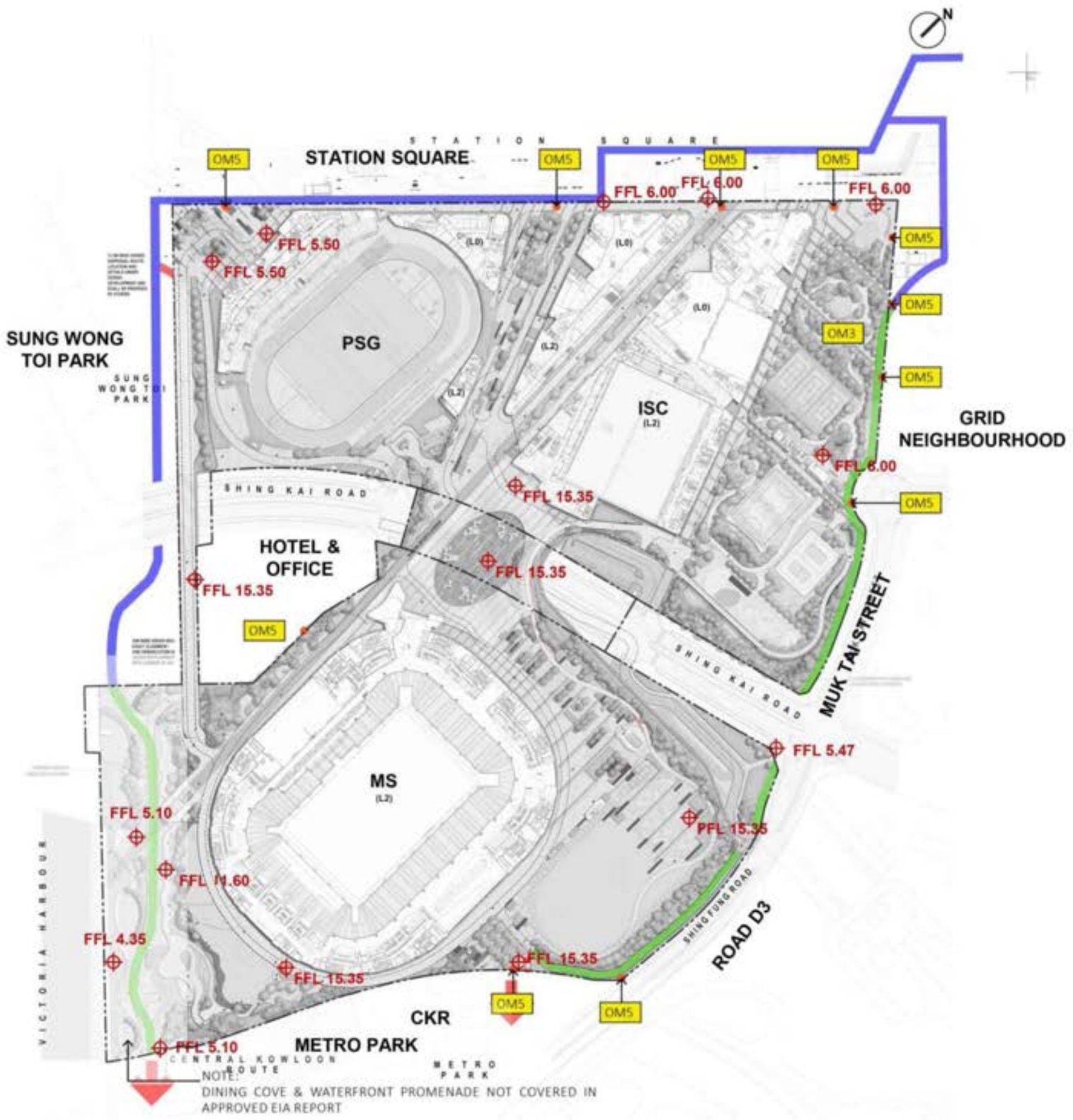


Figure B32 – GreenWay

Scale 1:4000@A3

Paving Materials - Integration of Development Boundaries

Interface with Station Square:

Grey tone natural granite and concrete block pavers proposed to complement the grey tone block pavers proposed within the adjoining Station Square

MATERIAL	SIZE (MM THK.)	COLOUR	FINISH	IMAGE REF.
NATURAL GRANITE	VARIES	50% LIGHT GREY	FLAMED	
		50% MEDIUM GREY	FLAMED	
		DARK GREY	FLAMED	
		GREY	FLAMED	
BLOCK PAVER	300X300X80	GREY		

Interface with Harbourfront Promenade

Beige tone block pavers proposed for the dining cove/Harbourfront promenade area and to be co-ordinated with the adjoining Metro Park which is still in planning stage.

MATERIAL	SIZE (MM THK.)	COLOUR	FINISH	IMAGE REF.
BLOCK PAVER	300X300X80	GREY		
		LIGHT BEIGE		
		BEIGE		
		GREYISH LIGHT BEIGE		
		GREYISH BEIGE		

ID NO.	Landscape / Visual Mitigation Measure
OM5	Integration of Development Boundaries

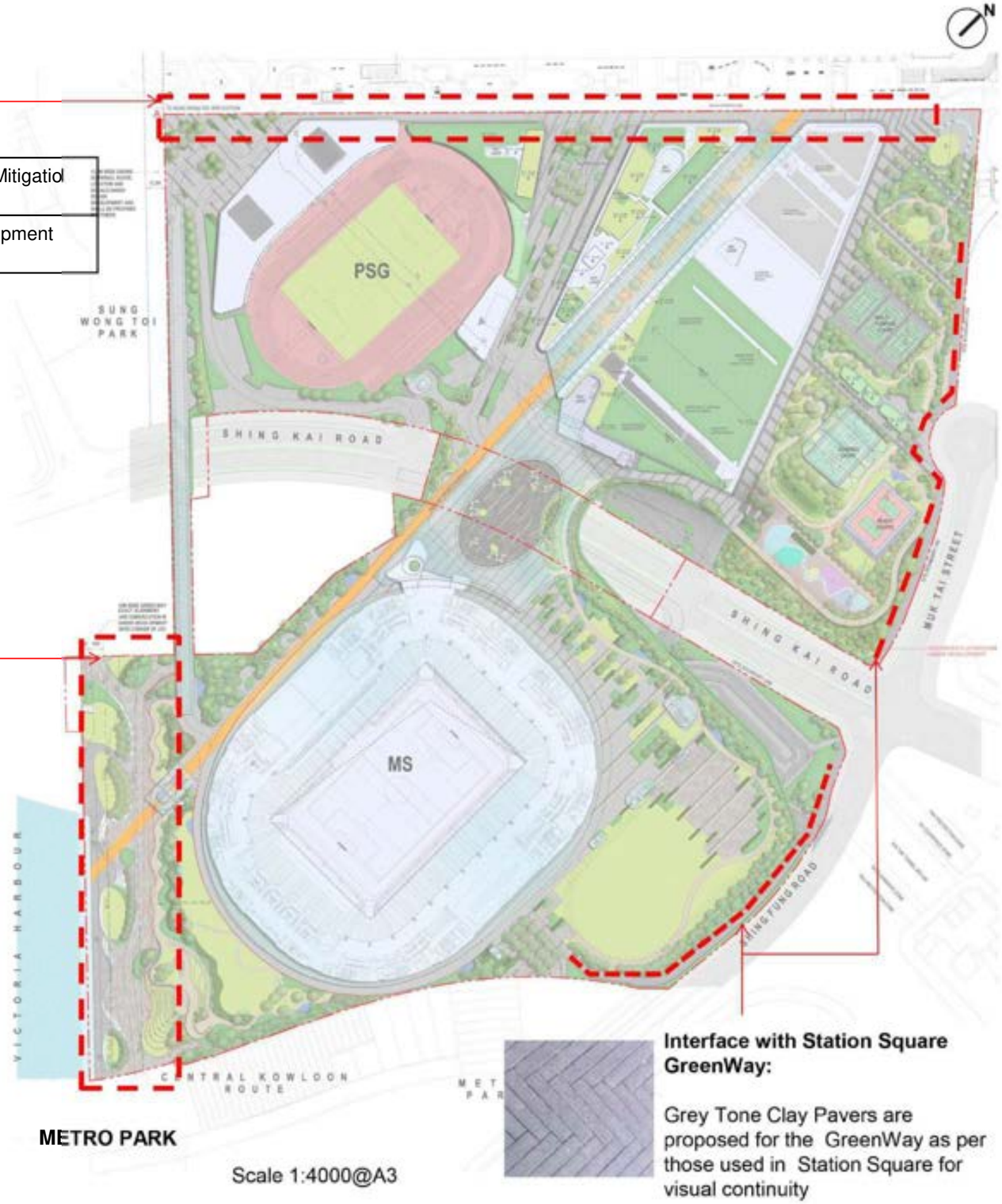


Figure B33 - Paving Materials - Integration of Development Boundaries

ANNEX C

BLOW-UP PLANS/SECTIONS/DETAILS

ID NO.	Landscape / Visual Mitigation Measure
OM1	Greening of Walkways, Ramps and Decks
OM2	Green Roofs and Vertical Greening
OM3	Compensatory Tree Planting
OM4	Responsive Building Design
OM5	Integration of Development Boundaries
OM6	Integration with Dining Cove and Harbourfront Promenade
OM7	Light Penetration Under Deck
OM8	Neighbourhood Park
OM9	Bespoke Amenity Area Lighting

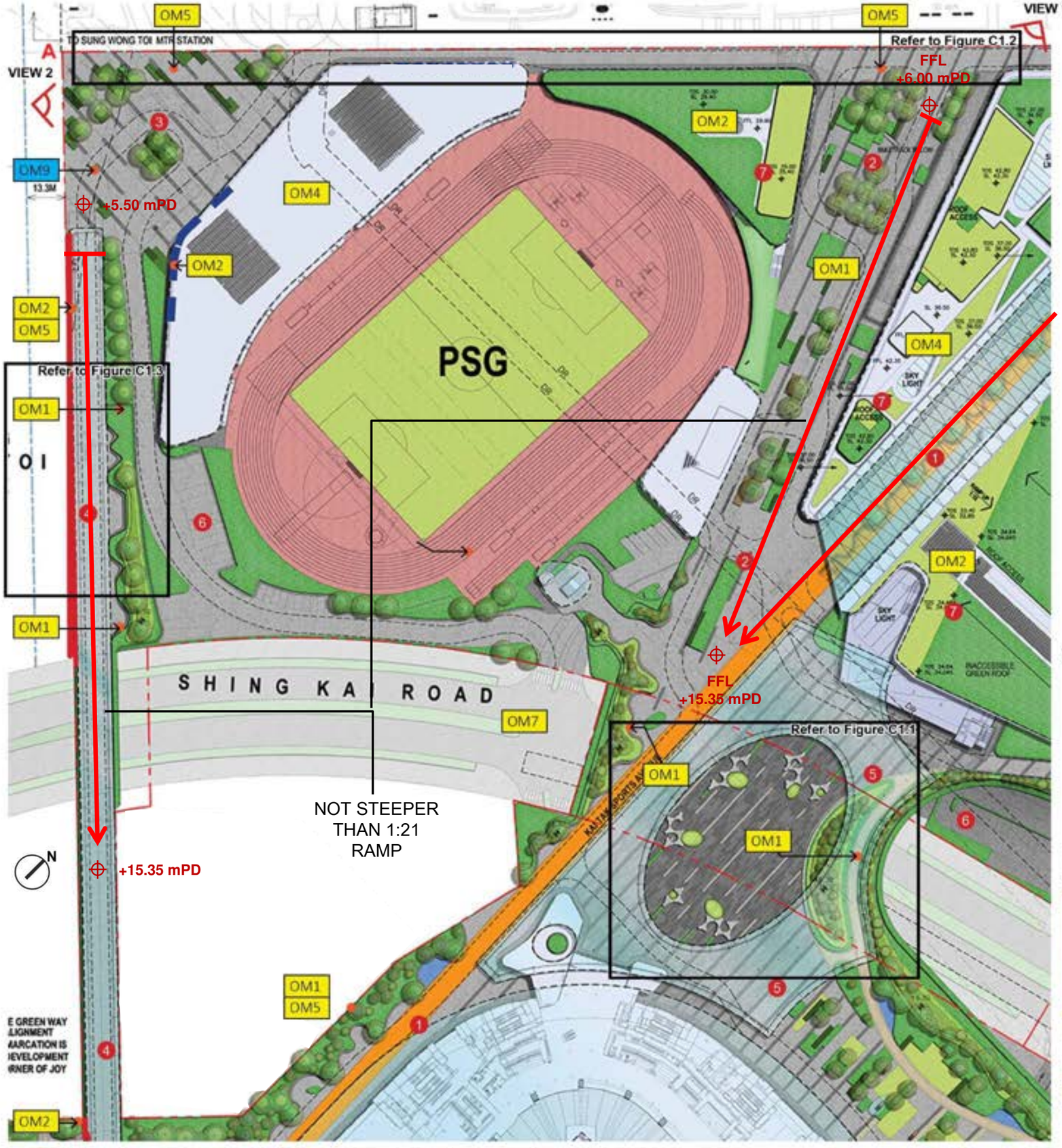


Figure C1 - Blow - up Plan of Public Sports Ground & Main Plaza

LEGEND:

- SITE BOUNDARY
- PLANTING AREA
- LAWN AREA
- HEDGE PLANTING
- PROPOSED TREES
- FORMAL JOGGING TRAIL (400M LOOP)
- SPORTS SURFACING AT PSG
- FITNESS STATION
- TEMPORARY SEAT & PLANTERS
- EARTH MOUND WITH CONTOUR AT 500MM INTERVAL
- EVA ROUTE
- DR — DRAINAGE RESERVE
- EFLS — ENVIRONMENTALLY FRIENDLY LINKAGE SYSTEM
- MITIGATION MEASURE
- VERTICAL GREENING FACADE MODULAR SYSTEM
- VERTICAL GREENING CLIMBING CABLE SYSTEM
- OM1 — LANDSCAPE/VISUAL MITIGATION MEASURE
- OM9 — VISUAL MITIGATION MEASURE

1. KAI TAK SPORTS AVENUE
2. PIER WALK
3. RUNWAY 31 PLAZA (WESTERN ENTRANCE PLAZA)
4. WESTERN PASSAGEWAY
5. MAIN PLAZA CANOPY
6. VEHICLE PARKING
7. GREEN ROOF (MAINTENANCE ACCESS ONLY)

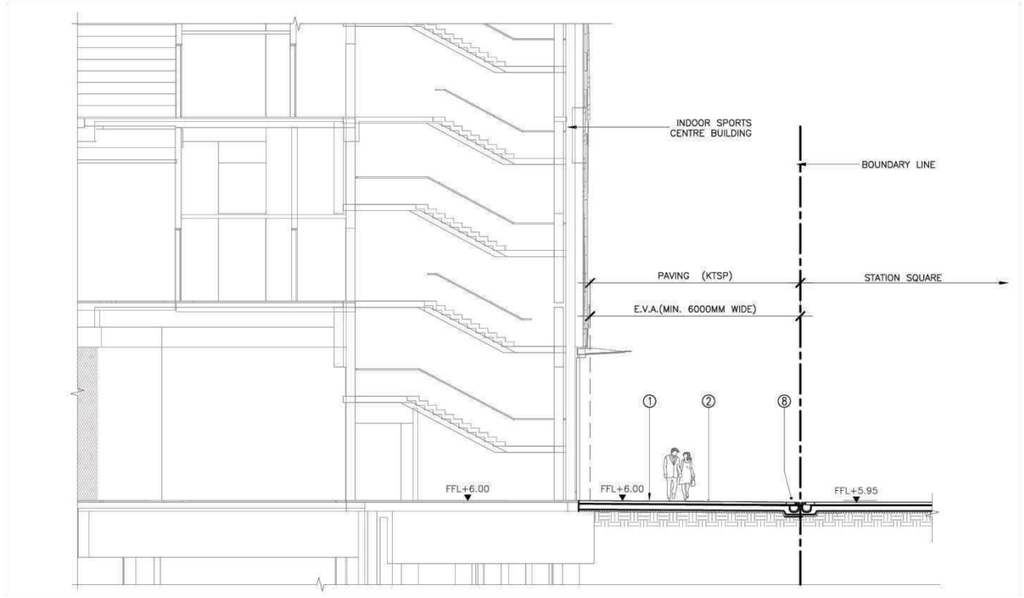
FFL	PROPOSED FINISHED FLOOR LEVEL
TOS	PROPOSED TOP OF SOIL LEVEL
TOW	PROPOSED TOP OF WALL LEVEL
TOR	PROPOSED TOP OF RAILING LEVEL
SL	PROPOSED SLAB LEVEL BY OTHER (ARCHITECT/ENGINEER)
⊕	PROPOSED ARCHITECTURAL LEVEL/ADJACENT SITE LEVEL
⊕	PROPOSED LANDSCAPE LEVEL

VIEW 1

VIEW 2

ID NO.	Landscape / Visual Mitigation Measure
OM1	Greening of Walkways, Ramps and Decks
OM2	Green Roofs and Vertical Greening
OM3	Compensatory Tree Planting
OM4	Responsive Building Design
OM5	Integration of Development Boundaries
OM6	Integration with Dining Cove and Harbourfront Promenade
OM7	Light Penetration Under Deck
OM8	Neighbourhood Park
OM9	Bespoke Amenity Area Lighting

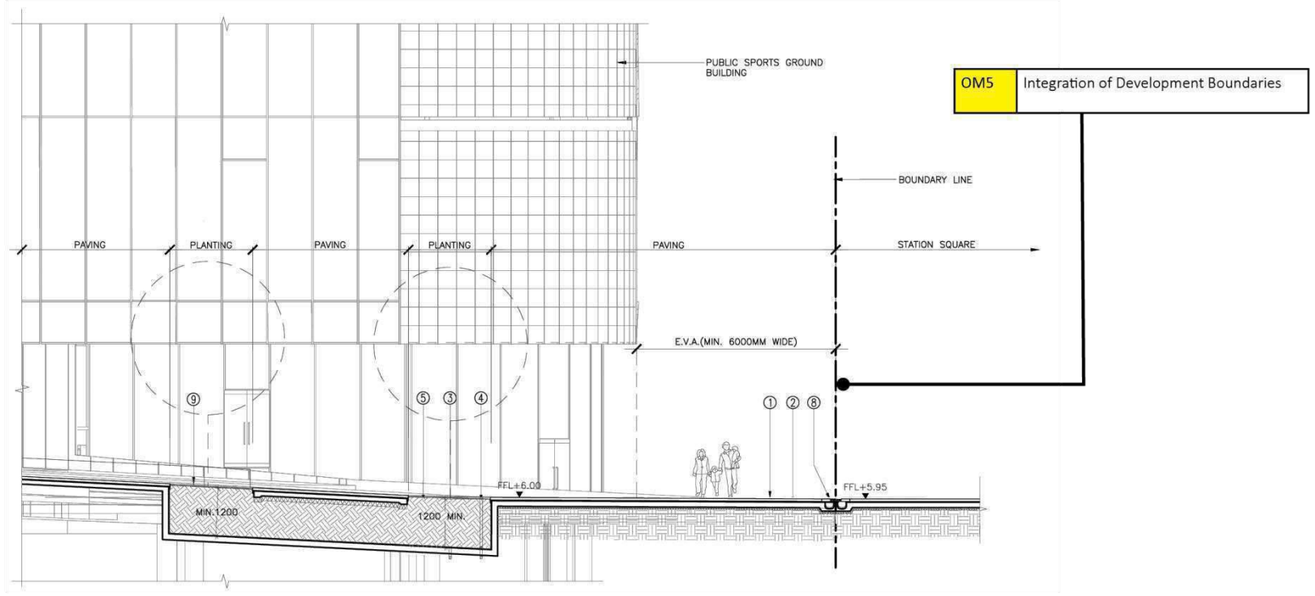
Scale 1:2000@A3



PROFILE SECTION A

Scale 1:100@A3

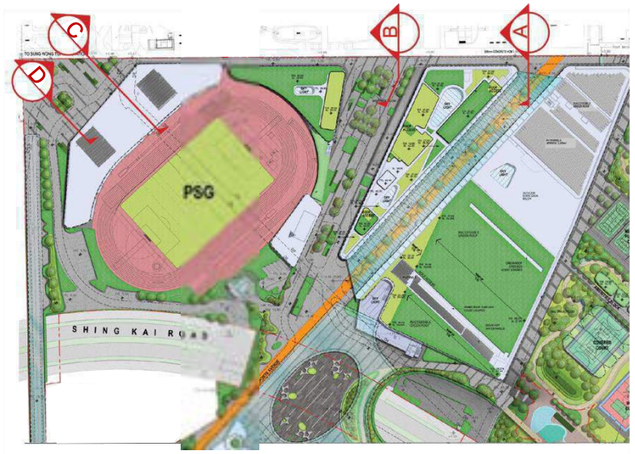
0 2 4 8m



PROFILE SECTION B

Scale 1:100@A3

0 2 4 8m

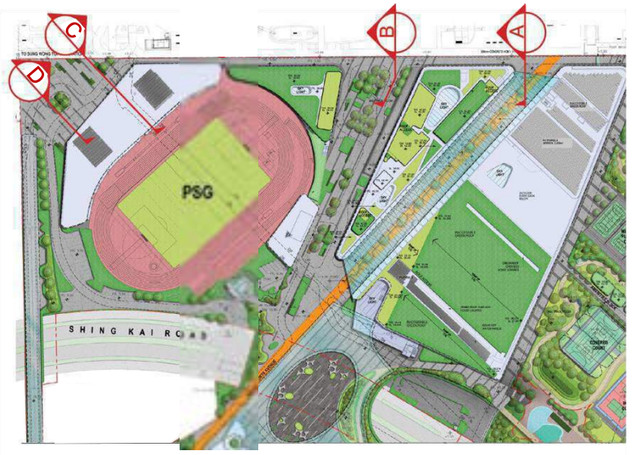


1 KEY PLAN N.T.S.

① PAVING AS SPECIFIED
② R.C.STRUCTURE TO ENGINEER'S DETAIL
③ DRAIN PIPE AS SPECIFIED BY ENGINEER
④ OVERFLOW PIPE AS SPECIFIED BY ENGINEER
⑤ PLANTING SOIL MIXTURE AS SPECIFIED
⑥ NATURAL GRANITE KERB
⑦ SUBSOIL DRAIN TO ENGINEER'S DETAIL
⑧ SURFACE CHANNEL ALONG BOUNDARY, DETAIL TO MATCH STATION SQUARE
⑨ TREE IN TREE PIT WITH TREE GRILLE

FFL FINISHED FLOOR LEVEL
TOS TOP OF SOIL

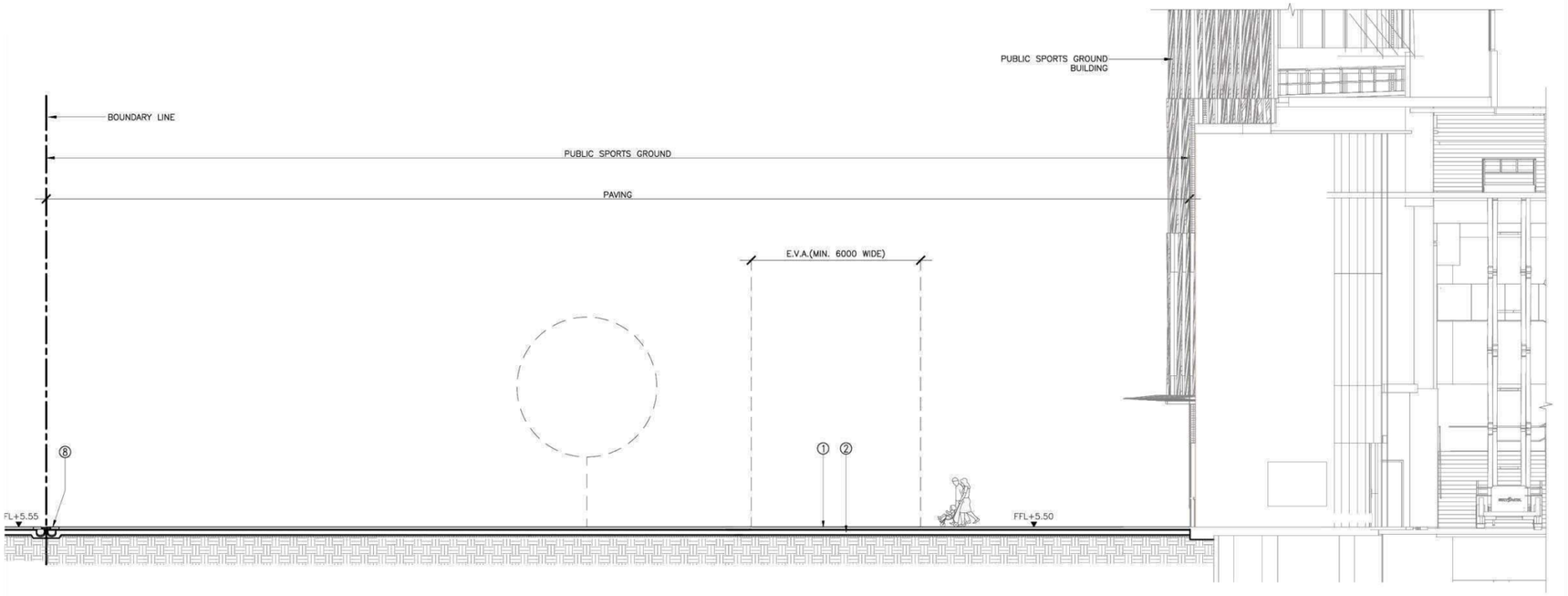
Figure C1.1 - Sections and Details



1 KEY PLAN
N.T.S.

① PAVING AS SPECIFIED
② R.C.STRUCTURE TO ENGINEER'S DETAIL
③ DRAIN PIPE AS SPECIFIED BY ENGINEER
④ OVERFLOW PIPE AS SPECIFIED BY ENGINEER
⑤ PLANTING SOIL MIXTURE AS SPECIFIED
⑥ NATURAL GRANITE KERB
⑦ SUBSOIL DRAIN TO ENGINEER'S DETAIL
⑧ SURFACE CHANNEL ALONG BOUNDARY, DETAIL TO MATCH STATION SQUARE
⑨ TREE IN TREE PIT WITH TREE GRILLE

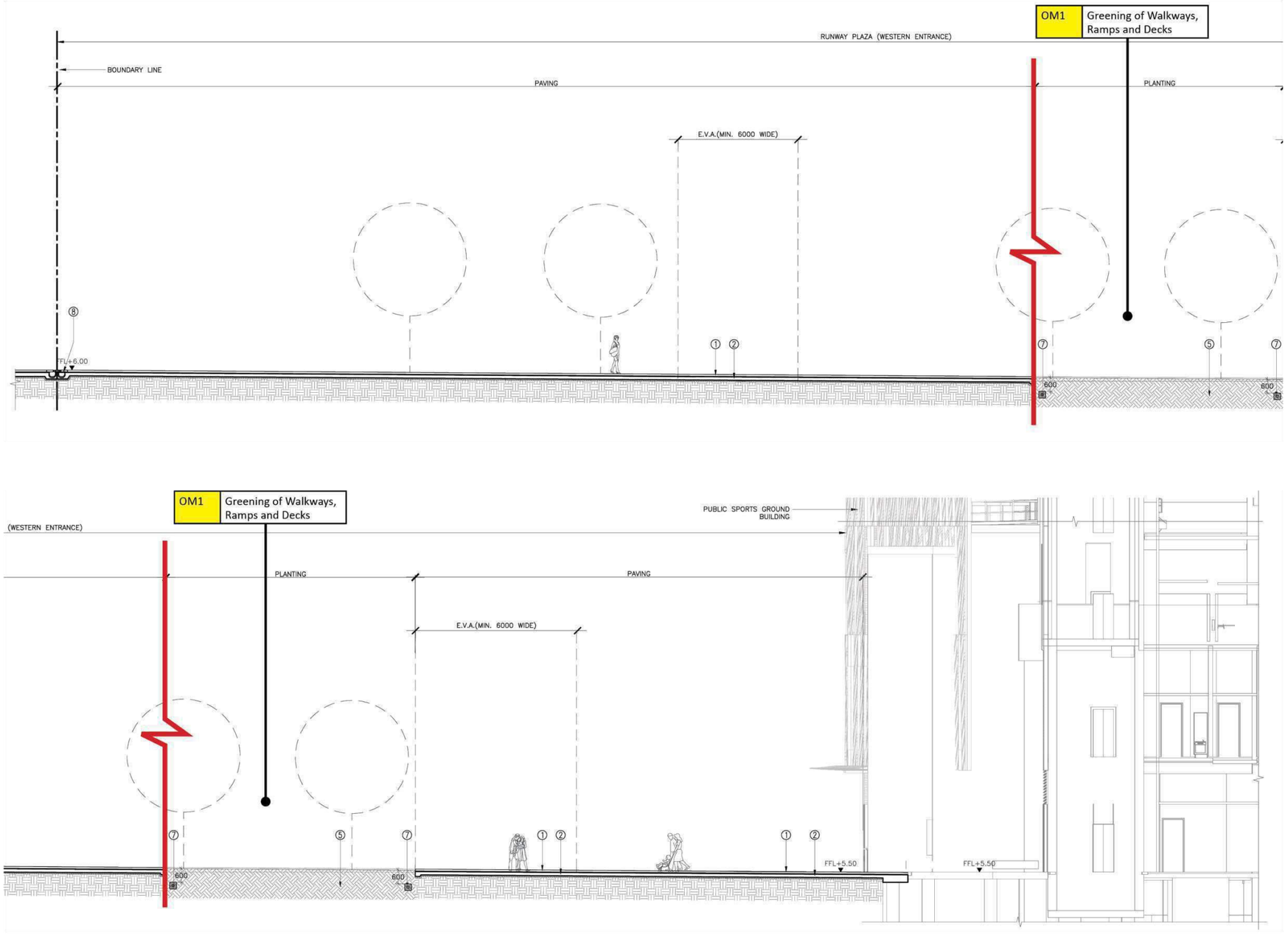
FFL FINISHED FLOOR LEVEL
TOS TOP OF SOIL



PROFILE SECTION C
Scale 1:100@A3

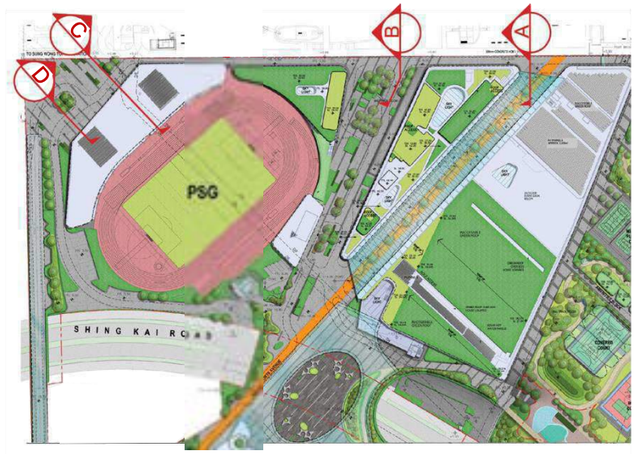
0 2 4 8m

Figure C1.2 - Sections and Details



PROFILE SECTION D
Scale 1:100@A3

0 2 4 8m



1 KEY PLAN
N.T.S.

① PAVING AS SPECIFIED
② R.C.STRUCTURE TO ENGINEER'S DETAIL
③ DRAIN PIPE AS SPECIFIED BY ENGINEER
④ OVERFLOW PIPE AS SPECIFIED BY ENGINEER
⑤ PLANTING SOIL MIXTURE AS SPECIFIED
⑥ NATURAL GRANITE KERB
⑦ SUBSOIL DRAIN TO ENGINEER'S DETAIL
⑧ SURFACE CHANNEL ALONG BOUNDARY, DETAIL TO MATCH STATION SQUARE
⑨ TREE IN TREE PIT WITH TREE GRILLE

FFL FINISHED FLOOR LEVEL
TOS TOP OF SOIL

Figure C1.3 - Section and Details

N

① PAVING AS SPECIFIED

② R.C. STRUCTURE TO ENGINEER'S DETAIL

③ PLANTING SOIL MIXTURE AS SPECIFIED

④ SUB SOIL DRAINAGE PIPE AS SPECIFIED BY ENGINEER'S

⑤ DRAIN POINT AS SPECIFIED BY ENGINEER

⑥ OVERFLOW DRAIN AS SPECIFIED BY ENGINEER

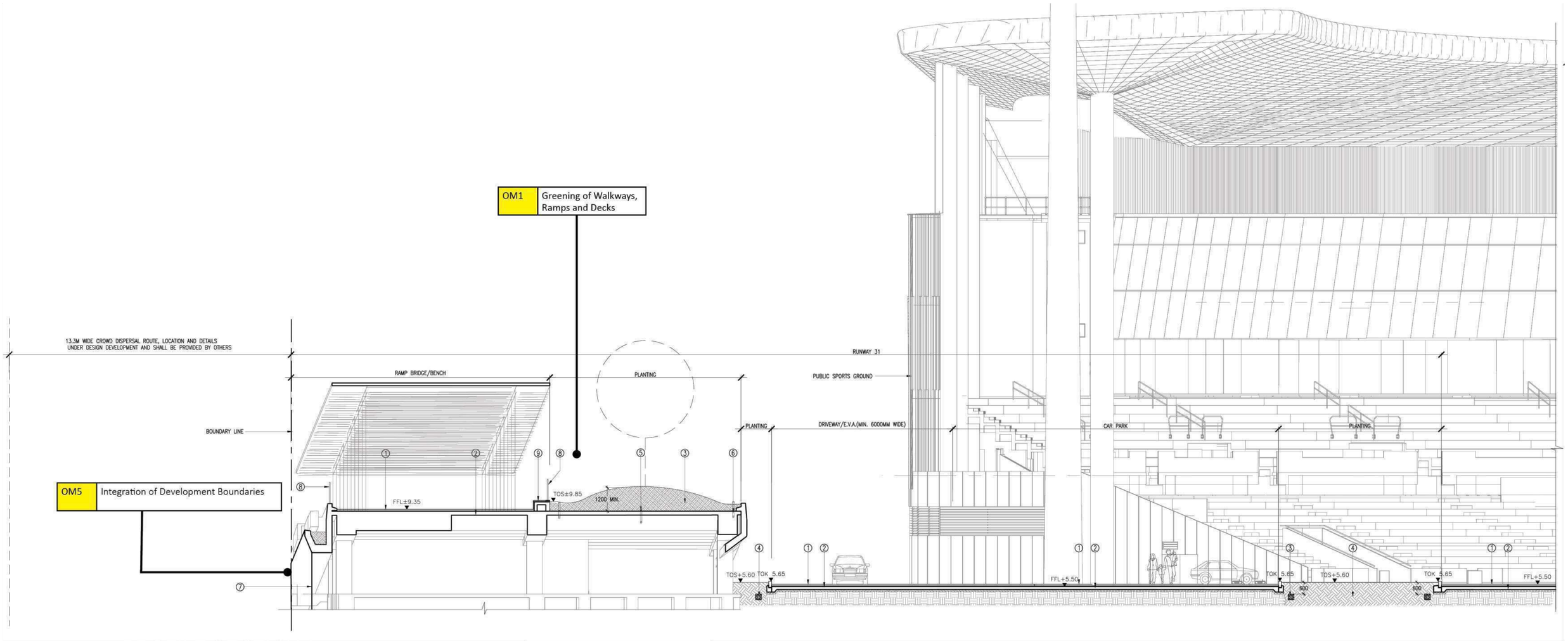
⑦ VERTICAL GREEN BY SPECIALIST

⑧ 1.1M HIGH RAILING

⑨ 450MM HIGH BENCH

FFL FINISHED FLOOR LEVEL
TOS TOP OF SOIL

A KEY PLAN
N.T.S.



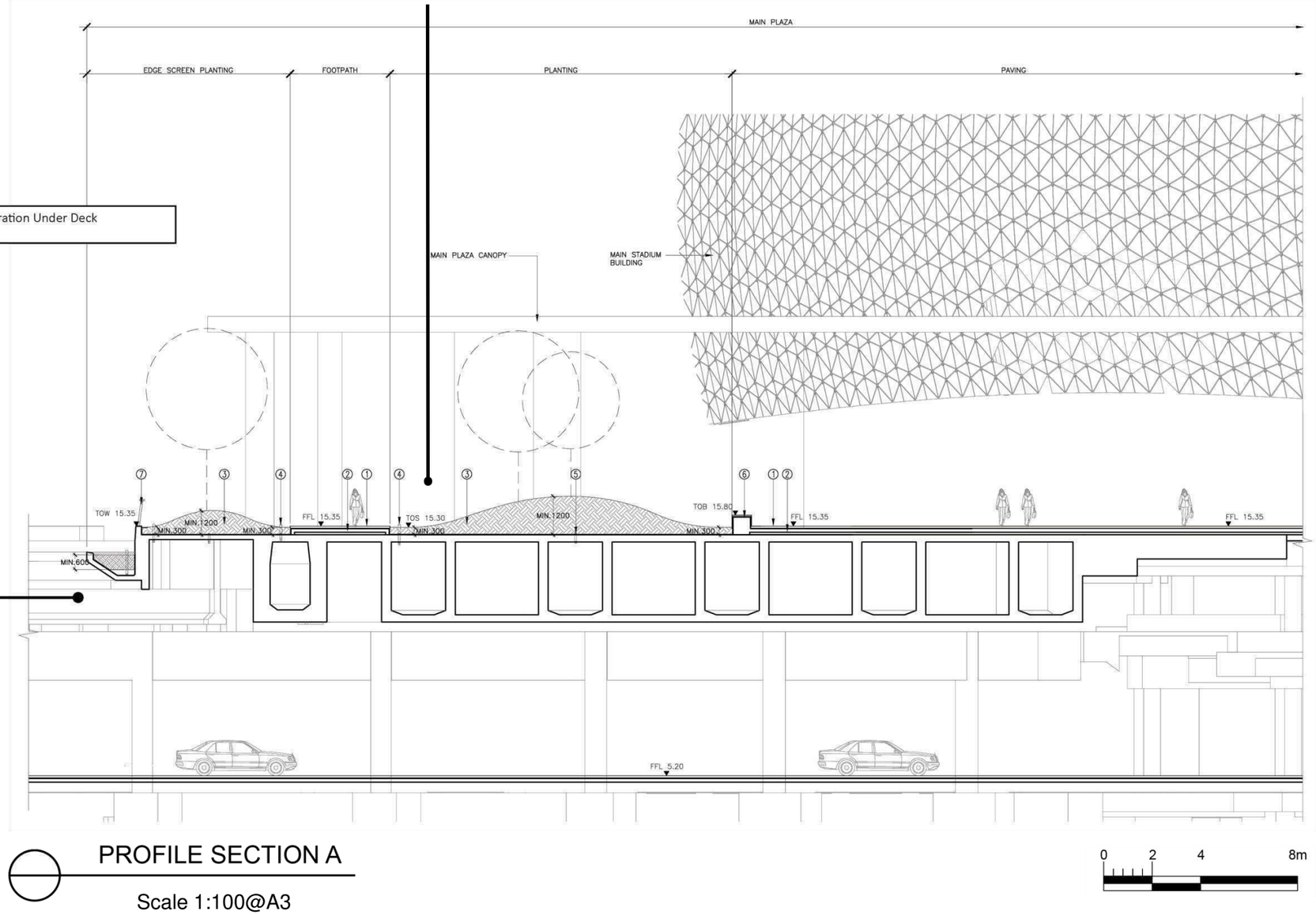
PROFILE SECTION A

Scale 1:100@A3

0 2 4 8m

Figure C1.4 - Section and Details

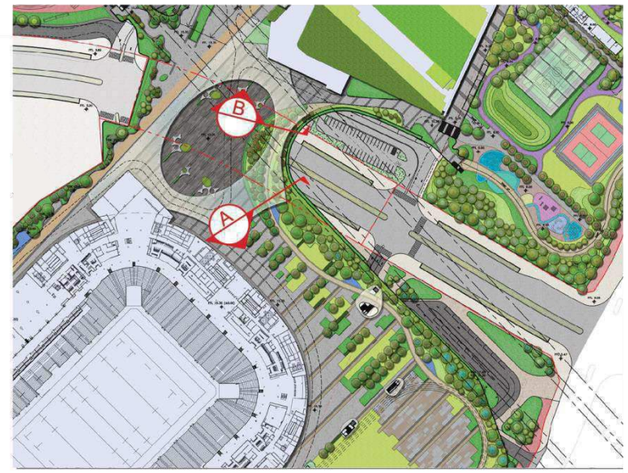
OM7	Light Penetration Under Deck



PROFILE SECTION A

Scale 1:100@A3

0 2 4 8m

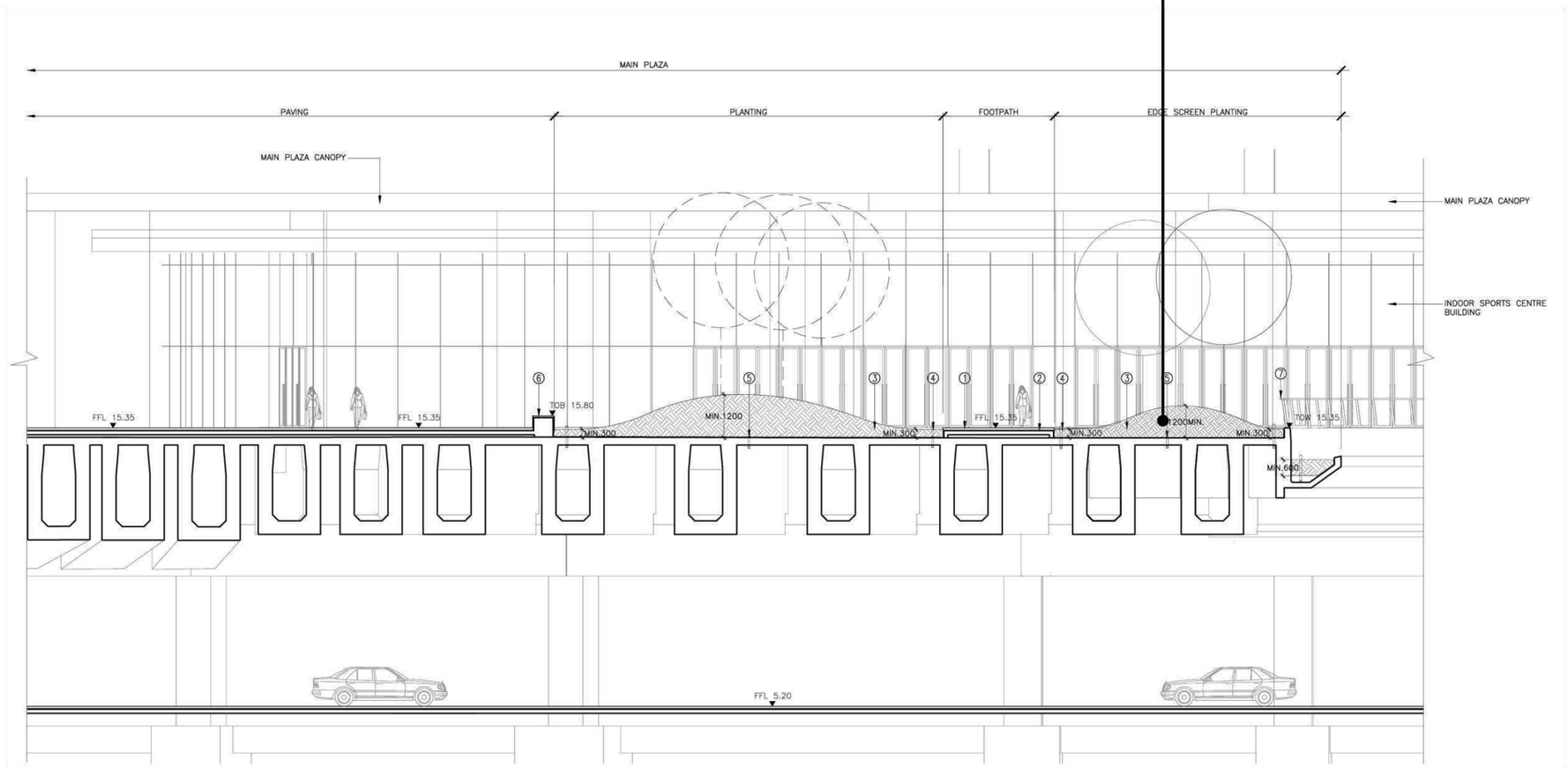


KEY PLAN
N.T.S.

① PAVING AS SPECIFIED
② R.C. STRUCTURE TO ENGINEER'S DETAIL
③ PLANTING SOIL MIXTURE AS SPECIFIED
④ OVERFLOW DRAIN AS SPECIFIED BY ENGINEER
⑤ DRAIN POINT AS SPECIFIED BY ENGINEER
⑥ BENCH
⑦ 1.10M HIGH RAILING

FFL	FINISH FLOOR LINE
TOS	TOP OF SOIL
TOB	TOP OF BENCH
SFL	STRUCTURAL FLOOR LEVEL

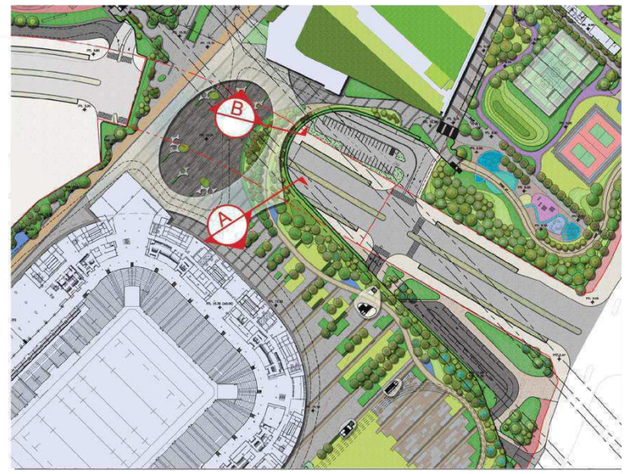
Figure C1.6 - Section and Details



PROFILE SECTION B

Scale 1:100@A3

0 2 4 8m

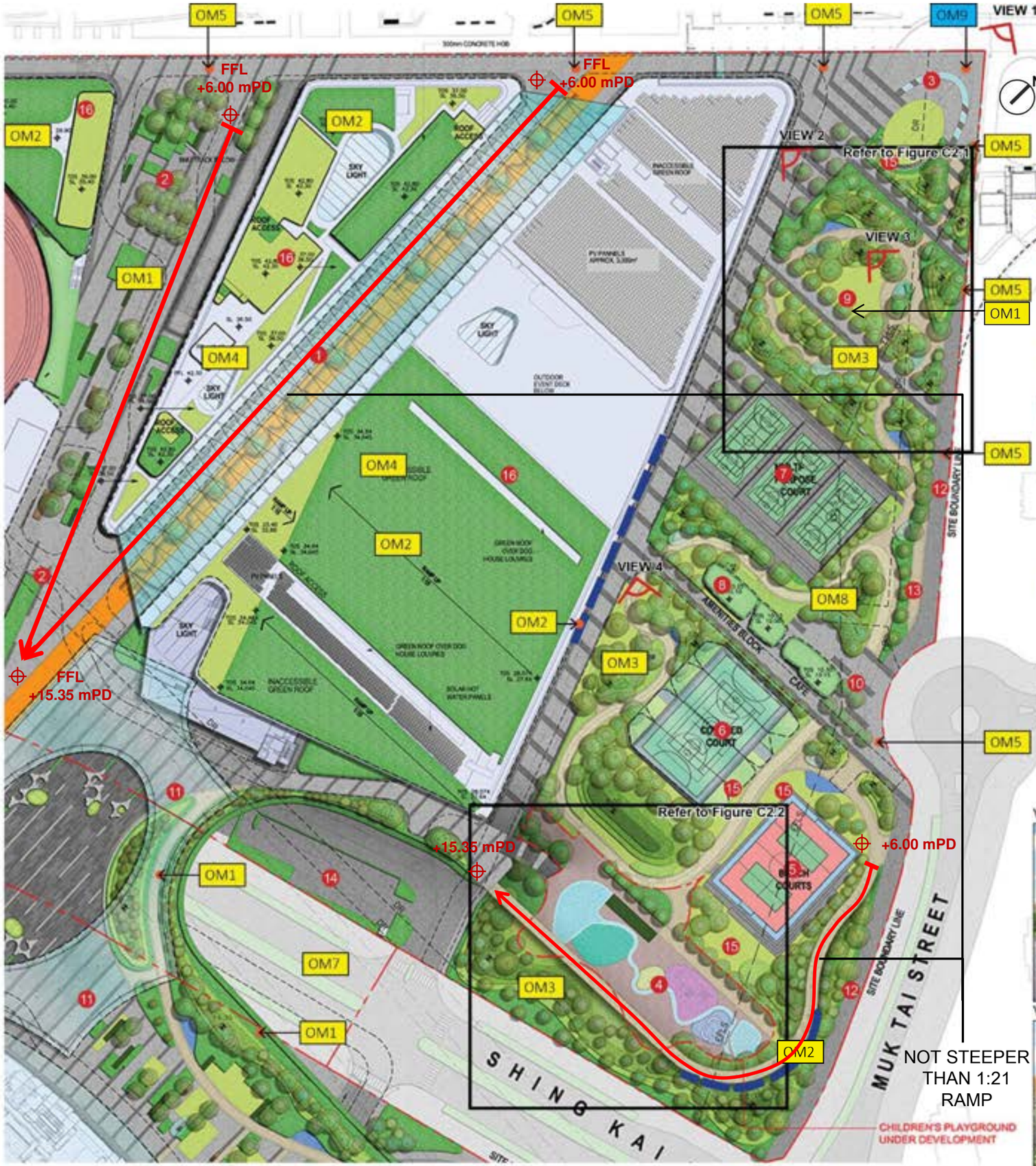


KEY PLAN
N.T.S.

① PAVING AS SPECIFIED
② R.C. STRUCTURE TO ENGINEER'S DETAIL
③ PLANTING SOIL MIXTURE AS SPECIFIED
④ OVERFLOW DRAIN AS SPECIFIED BY ENGINEER
⑤ DRAIN POINT AS SPECIFIED BY ENGINEER
⑥ BENCH
⑦ 1.10M HIGH RAILING

FFL FINISH FLOOR LINE
TOS TOP OF SOIL
TOB TOP OF BENCH
SFL STRUCTURAL FLOOR LEVEL

Figure C1.7 - Section and Details



LEGEND:

- SITE BOUNDARY
- PLANTING AREA
- LAWN AREA
- HEDGE PLANTING
- PROPOSED TREES
- FORMAL JOGGING TRAIL (400M LOOP)
- SPORTS SURFACING AT PSG
- FITNESS STATION
- TEMPORARY SEAT & PLANTERS
- EARTH MOUND WITH CONTOUR AT 500MM INTERVAL
- EVA ROUTE

- DR — DRAINAGE RESERVE
- EFLS — ENVIRONMENTALLY FRIENDLY LINKAGE SYSTEM
- MITIGATION MEASURE
- VERTICAL GREENING FACADE MODULAR SYSTEM
- VERTICAL GREENING CLIMBING CABLE SYSTEM
- OM1 — LANDSCAPE/VISUAL MITIGATION MEASURE
- OM9 — VISUAL MITIGATION MEASURE

ID NO.	Landscape / Visual Mitigation Measure
OM1	Greening of Walkways, Ramps and Decks
OM2	Green Roofs and Vertical Greening
OM3	Compensatory Tree Planting
OM4	Responsive Building Design
OM5	Integration of Development Boundaries
OM6	Integration with Dining Cove and Harbourfront Promenade
OM7	Light Penetration Under Deck
OM8	Neighbourhood Park
OM9	Bespoke Amenity Area Lighting

1. KAI TAK SPORTS AVENUE
2. PIER WALK
3. HO KAI FOUNTAIN (NORTHERN ENTRANCE PLAZA)
4. CHILDREN'S PLAY AREA
5. MULTI-PURPOSE BEACH COURTS
6. MULTI-PURPOSE COVERED COURT
7. MULTI-PURPOSE OUTDOOR COURTS
8. AMENITIES BLOCK (TOILET/CAFE)
9. TAI CHI AREA WITH SEATING
10. ENTRANCE PLAZA AT MUK TAI STREET
11. MAIN PLAZA CANOPY
12. GREENWAY
13. BICYCLE PARKING
14. VEHICLE PARKING
15. MULTI-PURPOSE LAWN
16. GREEN ROOF (MAINTENANCE ACCESS ONLY)

FFL — PROPOSED FINISHED FLOOR LEVEL
TOS — PROPOSED TOP OF SOIL LEVEL
TOW — PROPOSED TOP OF WALL LEVEL
TOR — PROPOSED TOP OF RAILING LEVEL
SL — PROPOSED SLAB LEVEL BY OTHER (ARCHITECT/ENGINEER)
PROPOSED ARCHITECTURAL LEVEL/ADJACENT SITE LEVEL
PROPOSED LANDSCAPE LEVEL

VIEW 1

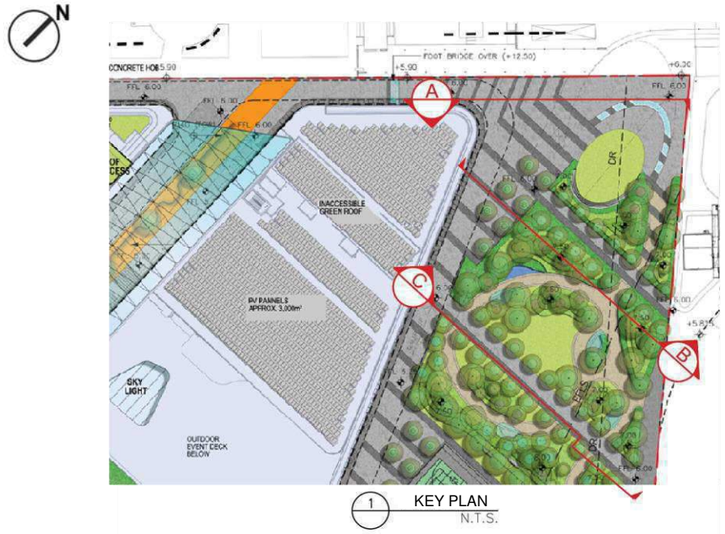
VIEW 2

VIEW 3

VIEW 4

Figure C2 – Blow–up Plan of Neighbourhood Park

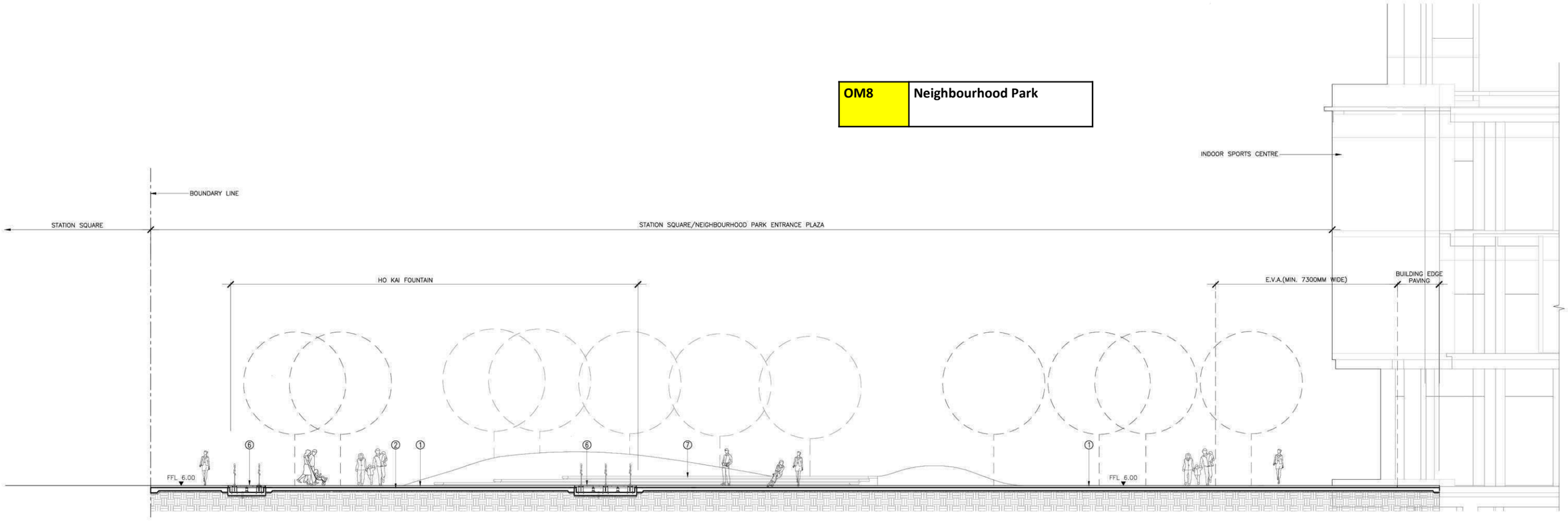
Scale 1:2000@A3



1 KEY PLAN N.T.S.

① PAVING AS SPECIFIED
② R.C.STRUCTURE TO ENGINEER'S DETAIL
③ PLANTING SOIL MIXTURE AS SPECIFIED
④ TREE IN TREE PIT WITH TREE GRILLE
⑤ SUB-SOIL DRAIN AS SPECIFIED BY ENGINEER
⑥ DRY FOUNTAIN
⑦ GRANITE STEPS SEATING

OM8	**Neighbourhood Park**

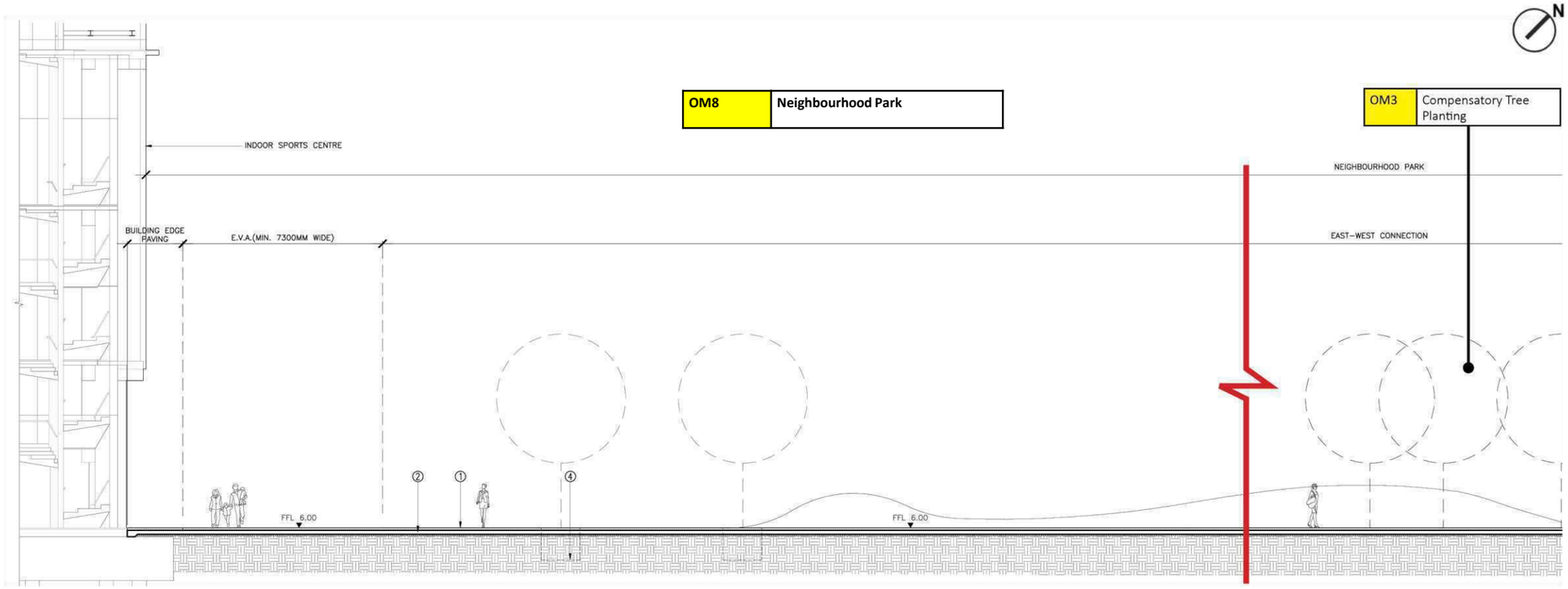


PROFILE SECTION A

Scale 1:100@A3

0 2 4 8m

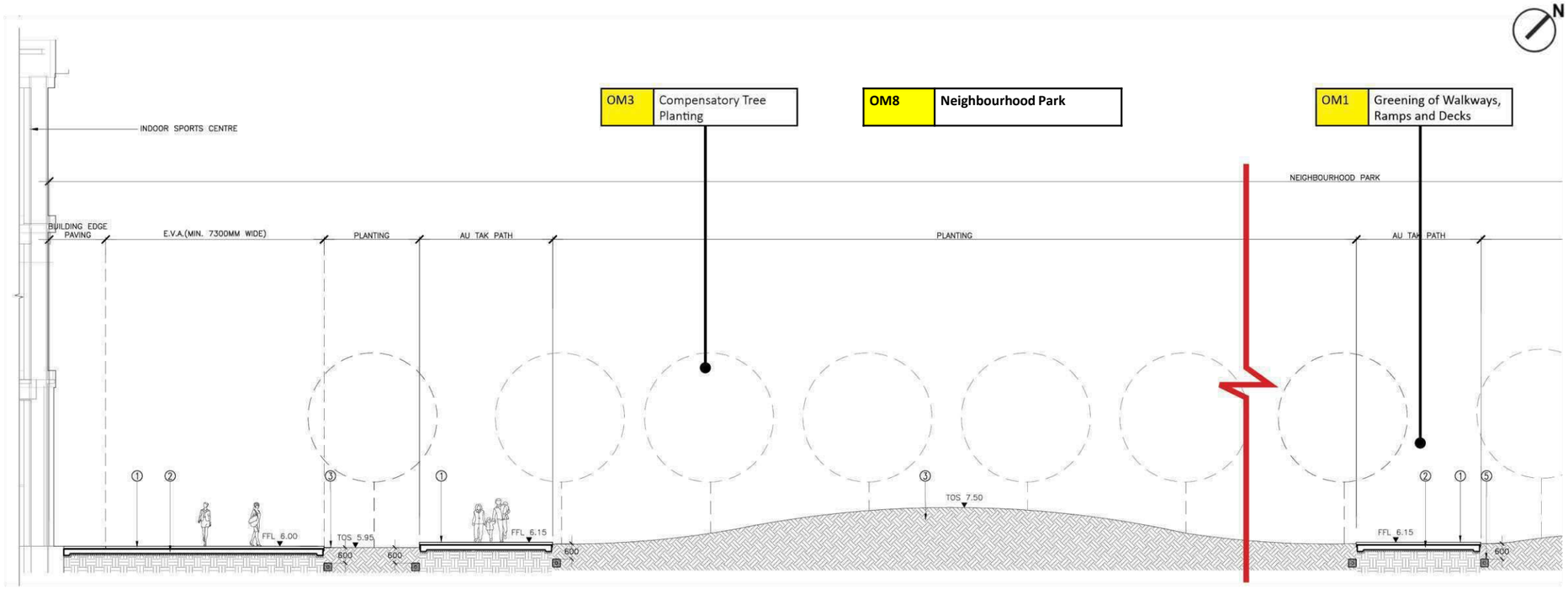
Figure C2.1 - Section and Details



1 KEY PLAN N.T.S.

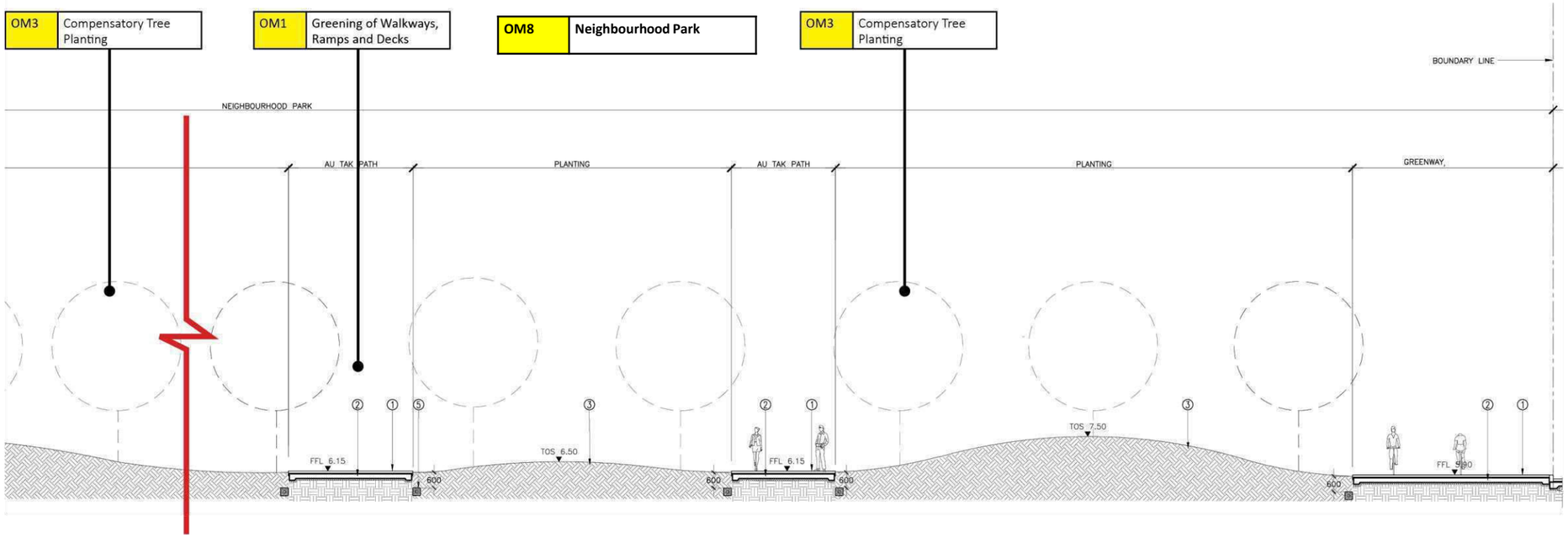
① PAVING AS SPECIFIED
② R.C.STRUCTURE TO ENGINEER'S DETAIL
③ PLANTING SOIL MIXTURE AS SPECIFIED
④ TREE IN TREE PIT WITH TREE GRILLE
⑤ SUB–SOIL DRAIN AS SPECIFIED BY ENGINEER
⑥ DRY FOUNTAIN
⑦ GRANITE STEPS SEATING

Figure C2.2 - Section and Details



1 KEY PLAN N.T.S.

① PAVING AS SPECIFIED
② R.C.STRUCTURE TO ENGINEER'S DETAIL
③ PLANTING SOIL MIXTURE AS SPECIFIED
④ TREE IN TREE PIT WITH TREE GRILLE
⑤ SUB-SOIL DRAIN AS SPECIFIED BY ENGINEER
⑥ DRY FOUNTAIN
⑦ GRANITE STEPS SEATING



PROFILE SECTION C

Scale 1:100@A3

0 2 4 8m

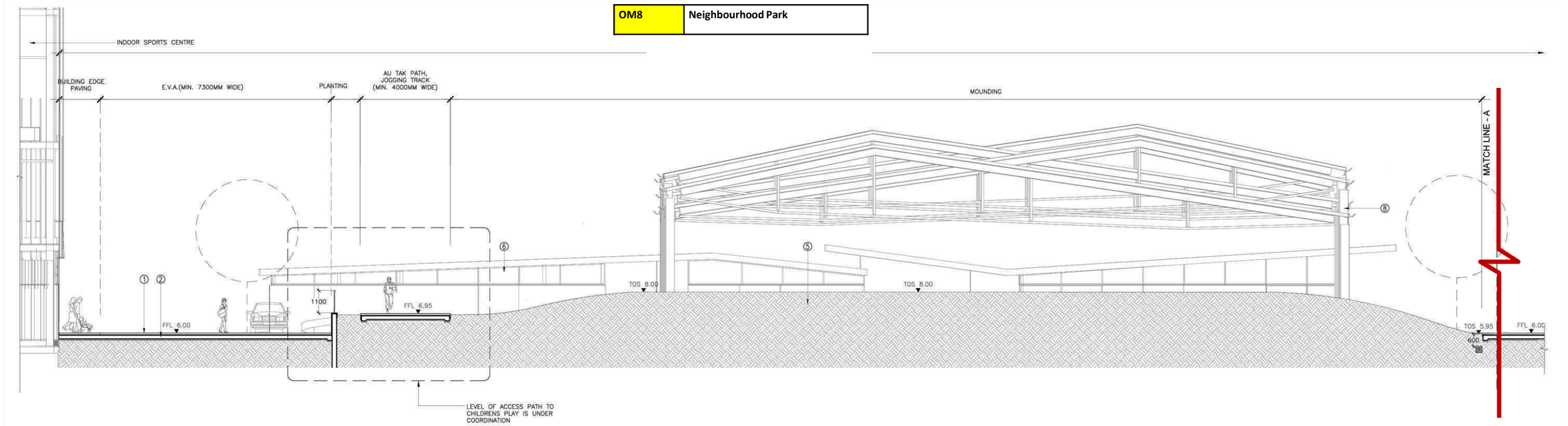
Figure C2.3 - Section and Details

1 KEY PLAN N.T.S.

① PAVING AS SPECIFIED
② R.C.STRUCTURE TO ENGINEER'S DETAIL
③ SUBSOIL DRAIN AS SPECIFIED BY ENGINEER
④ DRY FOUNTAIN
⑤ PLANTING SOIL MIXTURE AS SPECIFIED
⑥ AMENITIES BLOCK/CAFE
⑦ ELEVATED RAMP
⑧ COVERED COURT

FFL FINISHED FLOOR LEVEL
TOS TOP OF SOIL

OM8	Neighbourhood Park

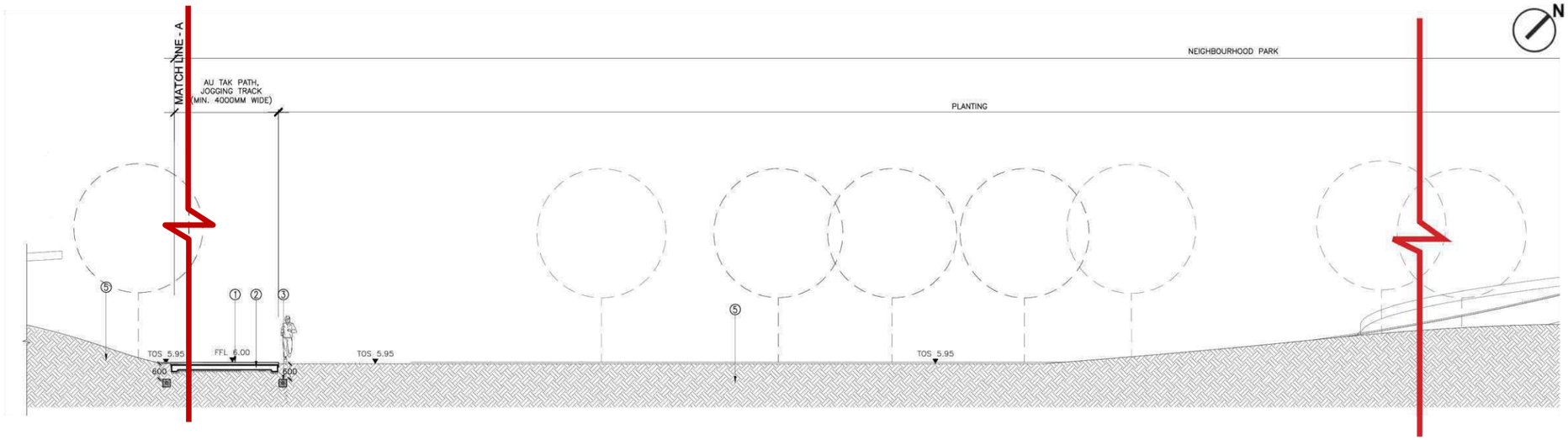


PROFILE SECTION A

Scale 1:100@A3

0 2 4 8m

Figure C2.4 - Section and Details



PROFILE SECTION A

Scale 1:100@A3

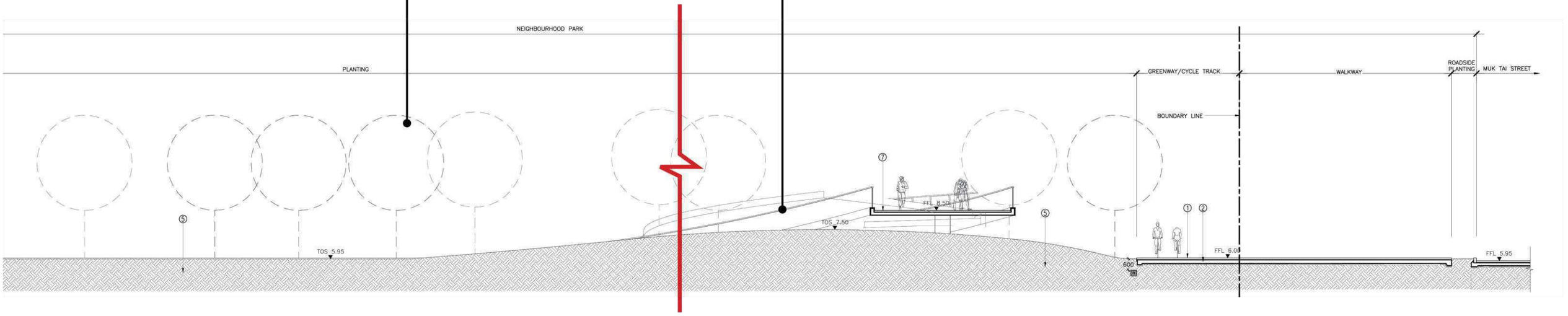
1 KEY PLAN N.T.S.

① PAVING AS SPECIFIED
② R.C.STRUCTURE TO ENGINEER'S DETAIL
③ SUBSOIL DRAIN AS SPECIFIED BY ENGINEER
④ DRY FOUNTAIN
⑤ PLANTING SOIL MIXTURE AS SPECIFIED
⑥ AMENITIES BLOCK/CAFE
⑦ ELEVATED RAMP
⑧ COVERED COURT

FFL FINISHED FLOOR LEVEL
TOS TOP OF SOIL

OM3	Compensatory Tree Planting

Note: Undulating landforms are utilized to provide unique character to the Parkland, provide visual enclosure and a green backdrop, and to enhance the visual layering effect of shrub and tree planting.



PROFILE SECTION A

Scale 1:100@A3

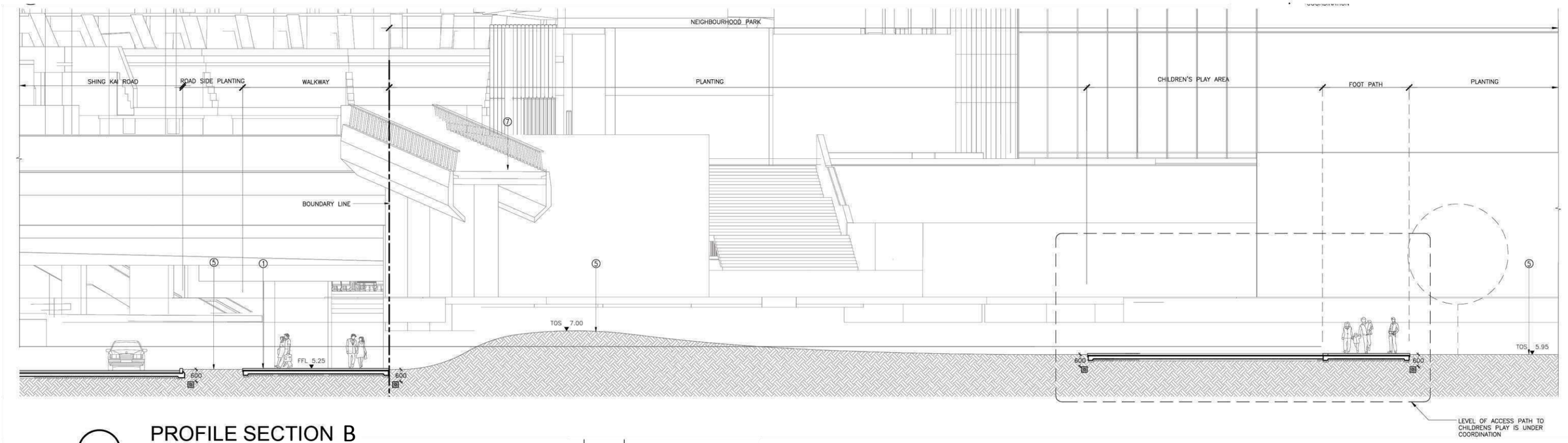
0 2 4 8m

Figure C2.5 - Section and Details

1 KEY PLAN N.T.S.

① PAVING AS SPECIFIED
② R.C.STRUCTURE TO ENGINEER'S DETAIL
③ SUBSOIL DRAIN AS SPECIFIED BY ENGINEER
④ DRY FOUNTAIN
⑤ PLANTING SOIL MIXTURE AS SPECIFIED
⑥ AMENITIES BLOCK/CAFE
⑦ ELEVATED RAMP
⑧ COVERED COURT

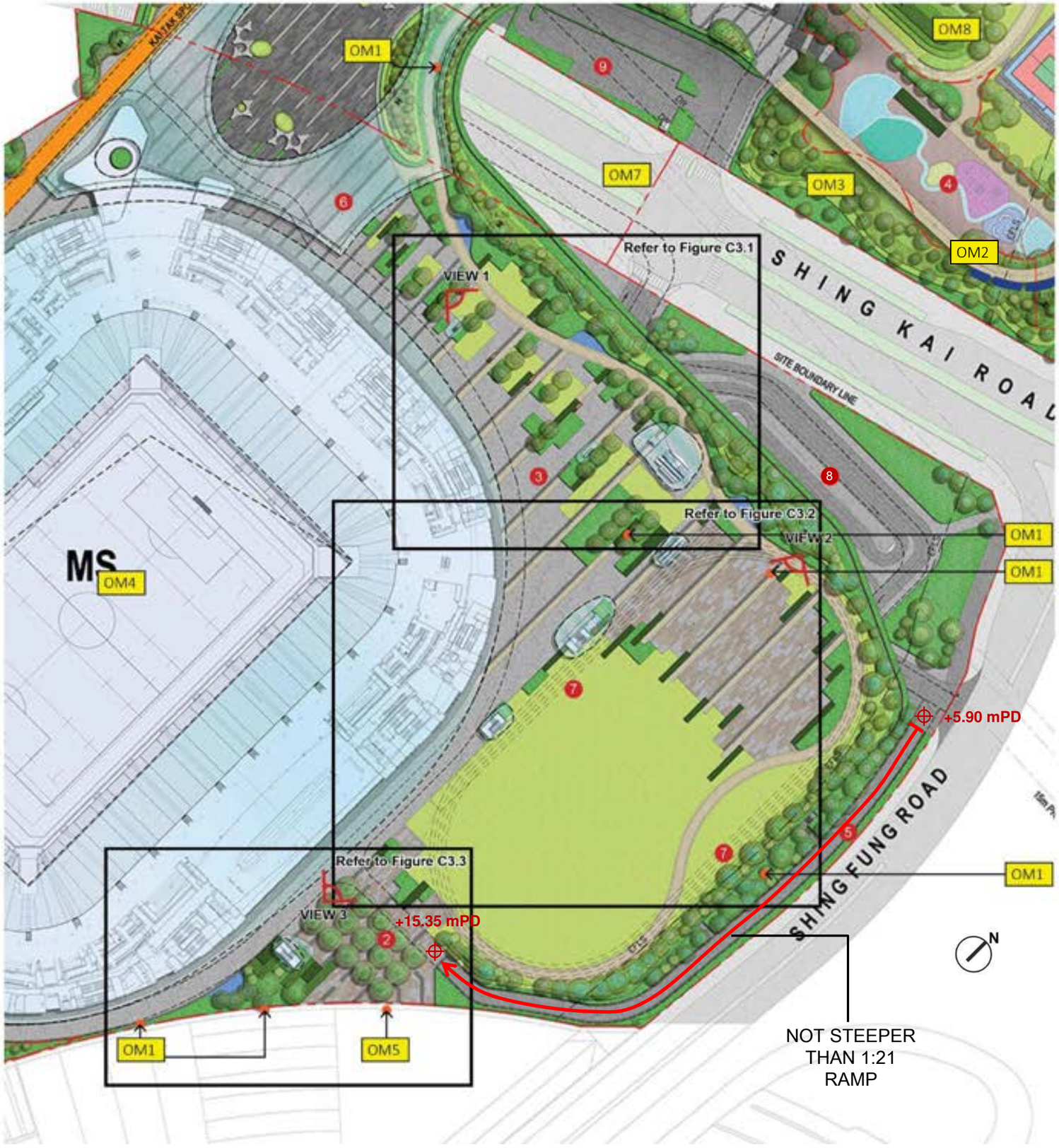
FFL FINISHED FLOOR LEVEL
TOS TOP OF SOIL



PROFILE SECTION B

Scale 1:100@A3

Figure C2.6 - Section and Details



LEGEND:

- SITE BOUNDARY
- PLANTING AREA
- LAWN AREA
- HEDGE PLANTING
- PROPOSED TREES
- FORMAL JOGGING TRAIL (400M LOOP)
- SPORTS SURFACING AT PSG
- FITNESS STATION
- TEMPORARY SEAT & PLANTERS
- EARTH MOUND WITH CONTOUR AT 500MM INTERVAL
- EVA ROUTE
- DR — DRAINAGE RESERVE
- EFLS — ENVIRONMENTALLY FRIENDLY LINKAGE SYSTEM
- MITIGATION MEASURE
- VERTICAL GREENING FACADE MODULAR SYSTEM
- VERTICAL GREENING CLIMBER CABLE SYSTEM
- OM1 — LANDSCAPE/VISUAL MITIGATION MEASURE
- OM9 — VISUAL MITIGATION MEASURE

FFL	PROPOSED FINISHED FLOOR LEVEL
TOS	PROPOSED TOP OF SOIL LEVEL
TOW	PROPOSED TOP OF WALL LEVEL
TOR	PROPOSED TOP OF RAILING LEVEL
SL	PROPOSED SLAB LEVEL BY OTHER (ARCHITECT/ENGINEER)
	PROPOSED ARCHITECTURAL LEVEL/ADJACENT SITE LEVEL
	PROPOSED LANDSCAPE LEVEL

1. Kai Tak SPORTS AVENUE
2. EASTERN PLAZA
3. WALK OF FAME
4. CHILDREN'S PLAY AREA
5. GREENWAY
6. MAIN PLAZA CANOPY
7. TEMPORARY RUNNING TRACK OVERLAY
8. TAXI STAND
9. VEHICLE PARKING

VIEW 1

VIEW 2

VIEW 3

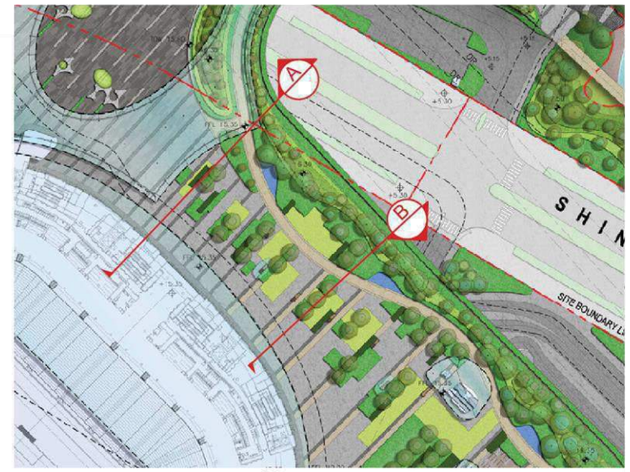
ID NO.	Landscape / Visual Mitigation Measure
OM1	Greening of Walkways, Ramps and Decks
OM2	Green Roofs and Vertical Greening
OM3	Compensatory Tree Planting
OM4	Responsive Building Design
OM5	Integration of Development Boundaries
OM6	Integration with Dining Cove and Harbourfront Promenade
OM7	Light Penetration Under Deck
OM8	Neighbourhood Park
OM9	Bespoke Amenity Area Lighting

Figure C3 - Blow -up Plan of Walk of Fame and Event Village

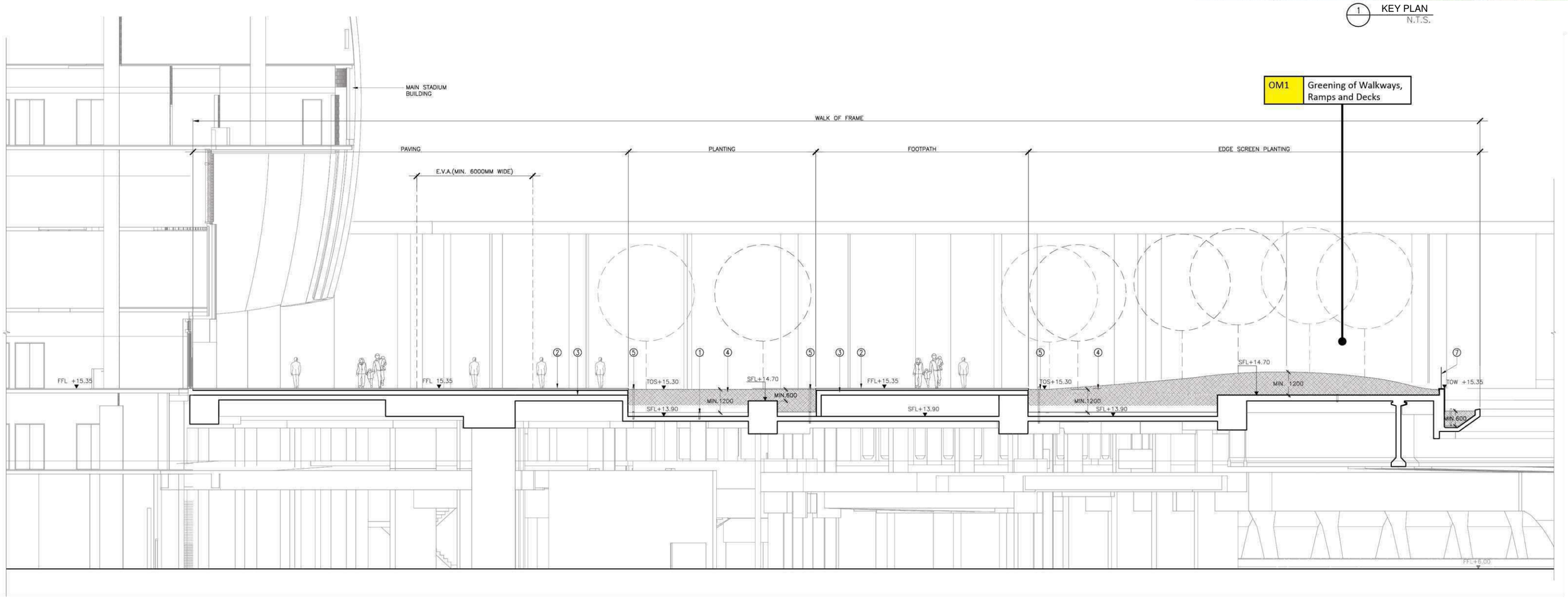
Scale 1:2000@A3

① DRAIN POINT AS SPECIFIED BY ENGINEER
② PAVING AS SPECIFIED
③ R.C. STRUCTURE
④ PLANTING SOIL MIXTURE AS SPECIFIED
⑤ OVERFLOW DRAIN AS SPECIFIED BY ENGINEER
⑥ BENCH
⑦ 1.1 M. HIGH RAILING

FFL	FINISHED FLOOR LEVEL
TOS	TOP OF SOIL
TOB	BOTTOM OF BENCH
TOW	TOP OF WALL
SFL	STRUCTURAL FLOOR LEVEL



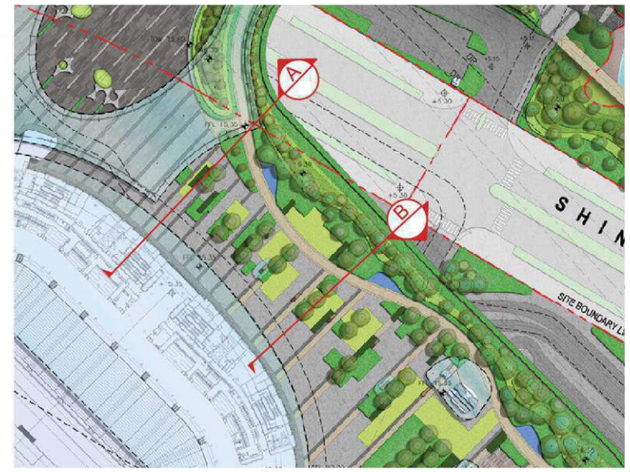
1 KEY PLAN N.T.S.



PROFILE SECTION A
Scale 1:100@A3

0 2 4 8m

Figure C3.1 - Section and Details



1 KEY PLAN
N.T.S.

① DRAIN POINT AS SPECIFIED BY ENGINEER
② PAVING AS SPECIFIED
③ R.C. STRUCTURE
④ PLANTING SOIL MIXTURE AS SPECIFIED
⑤ OVERFLOW DRAIN AS SPECIFIED BY ENGINEER
⑥ BENCH
⑦ 1.1 M. HIGH RAILING

FFL FINISHED FLOOR LEVEL
TOS TOP OF SOIL
TOB BOTTOM OF BENCH
TOW TOP OF WALL
SFL STRUCTURAL FLOOR LEVEL

OM1 Greening of Walkways, Ramps and Decks

MAIN STADIUM BUILDING

WALK OF FRAME

EDGE SCREEN PLANTING | FOOTPATH | PLANTING | PAVING

E.V.A.(MIN. 6000MM WIDE)

TOW 15.35
TOS+15.30
SFL+14.70
FFL+15.35
TOB+15.80
SFL+15.00
SFL+13.90
MIN.600
MIN. 1200
MIN.1200
FFL+6.00

PROFILE SECTION B
Scale 1:100@A3

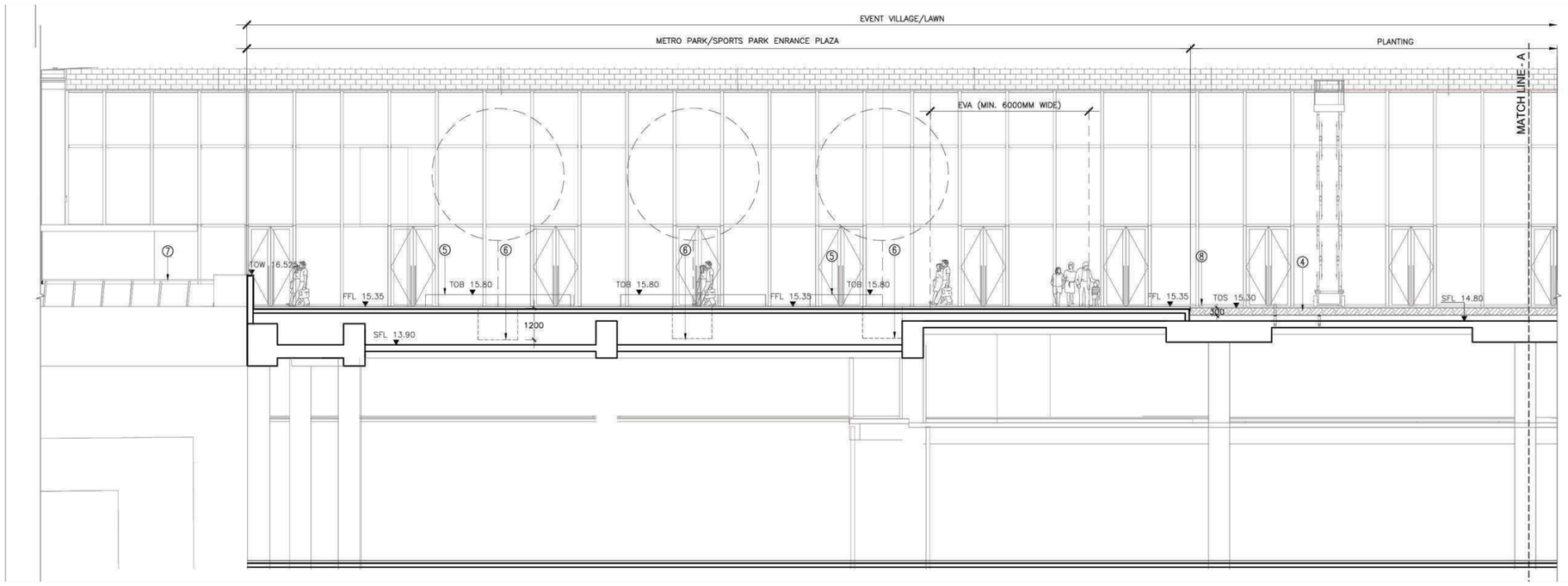
0 2 4 8m

Figure C3.2 - Section and Details

1 KEY PLAN
N.T.S.

① BUILDING LINE
② PAVING AS SPECIFIED
③ R.C. STRUCTURE TO ENGINEER'S DETAIL
④ PLANTING SOIL MIXTURE AS SPECIFIED
⑤ BENCH
⑥ TREE IN TREE PIT WITH TREE GRILLE
⑦ 1.1M HIGH RAILING
⑧ OVER FLOW DRAIN AS SPECIFIED BY ENGR.
⑨ DRAIN POINT AS SPECIFIED BY ENGR.
⑩ SUB SOIL DRAIN AS SPECIFIED BY ENGR.

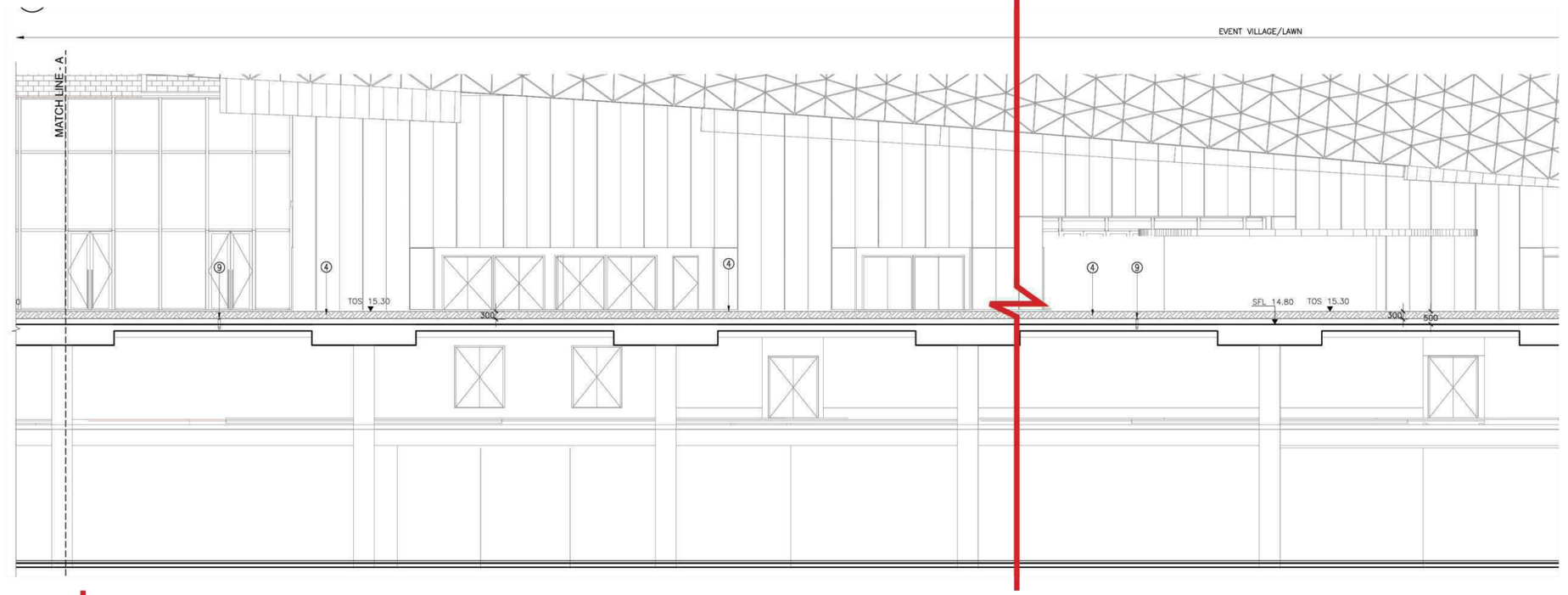
FFL	FINISHED FLOOR LEVEL
TOS	TOP OF SOIL
BOS	BOTTOM OF SOIL
TOW	TOP OF WALL
SFL	STRUCTURAL FLOOR LEVEL

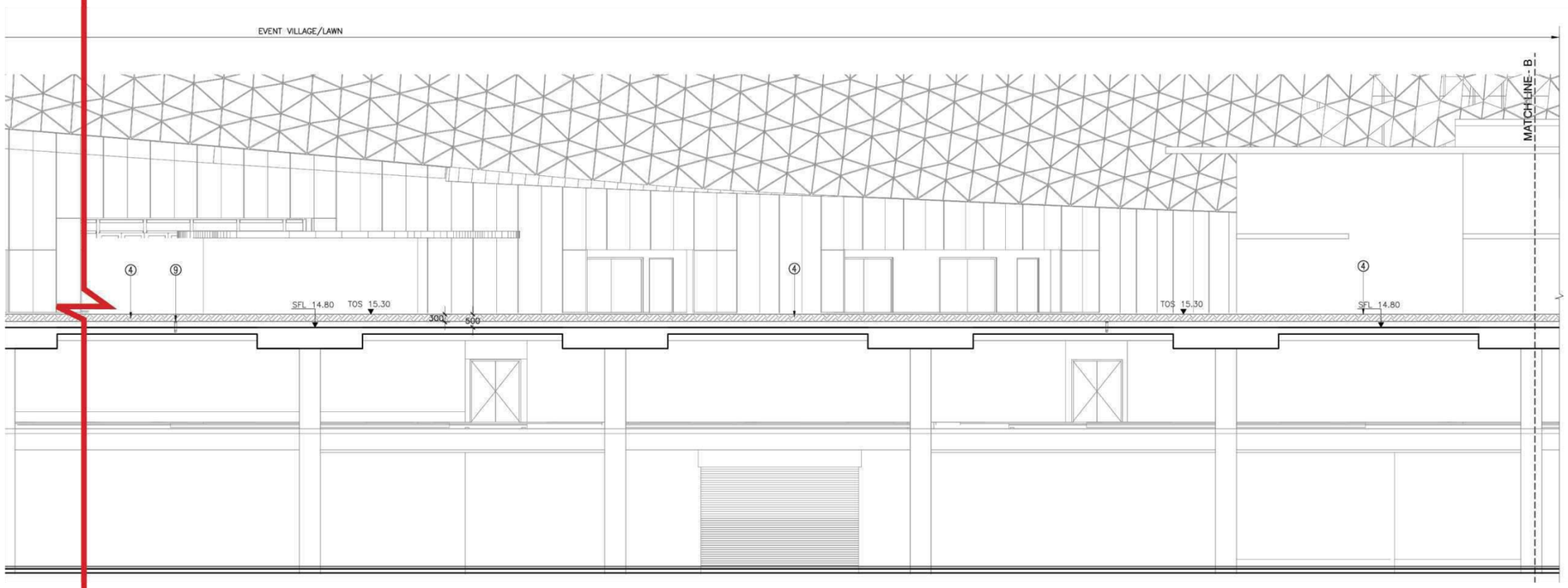


PROFILE SECTION A1
Scale 1:100@A3

0 2 4 8m

Figure C3.3 - Section and Details





PROFILE SECTION A2

Scale 1:100@A3

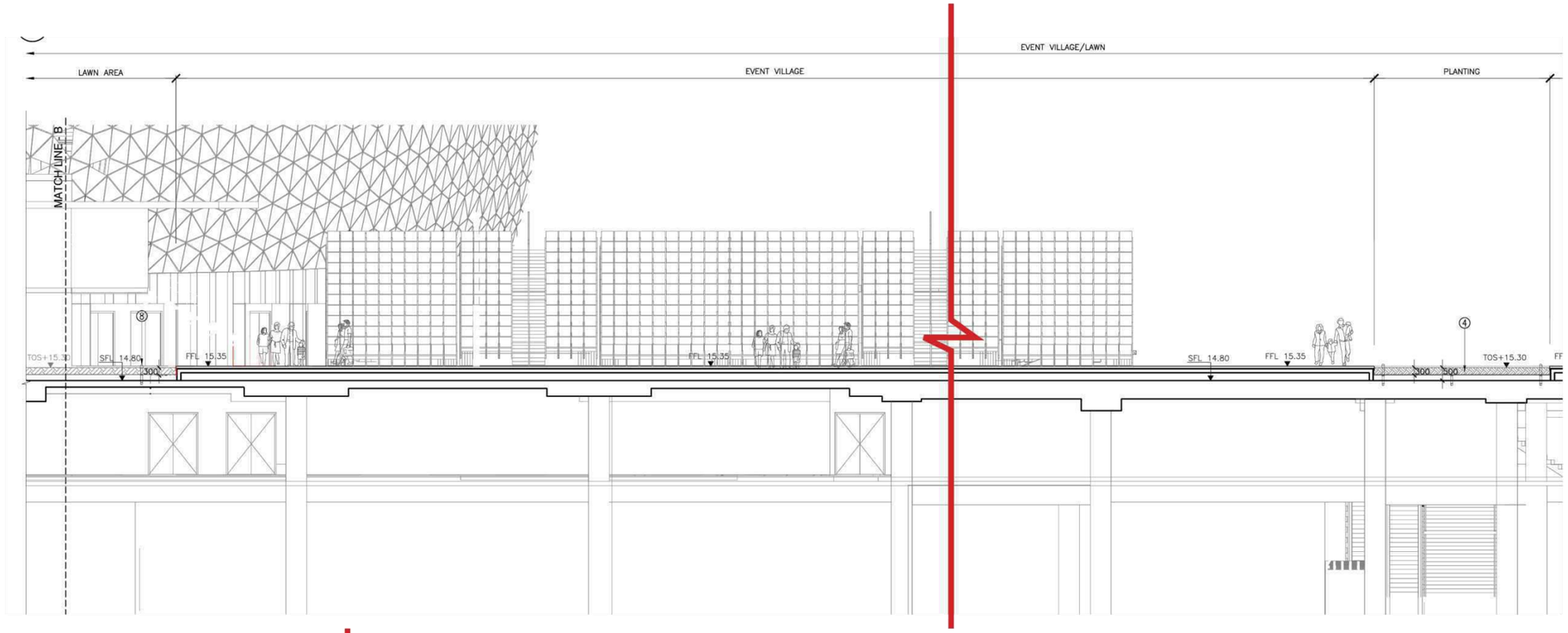
0 2 4 8m

1 KEY PLAN
N.T.S.

① BUILDING LINE
② PAVING AS SPECIFIED
③ R.C. STRUCTURE TO ENGINEER'S DETAIL
④ PLANTING SOIL MIXTURE AS SPECIFIED
⑤ BENCH
⑥ TREE IN TREE PIT WITH TREE GRILLE
⑦ 1.1M HIGH RAILING
⑧ OVER FLOW DRAIN AS SPECIFIED BY ENGR.
⑨ DRAIN POINT AS SPECIFIED BY ENGR.
⑩ SUB SOIL DRAIN AS SPECIFIED BY ENGR.

FFL	FINISHED FLOOR LEVEL
TOS	TOP OF SOIL
BOS	BOTTOM OF SOIL
TOW	TOP OF WALL
SFL	STRUCTURAL FLOOR LEVEL

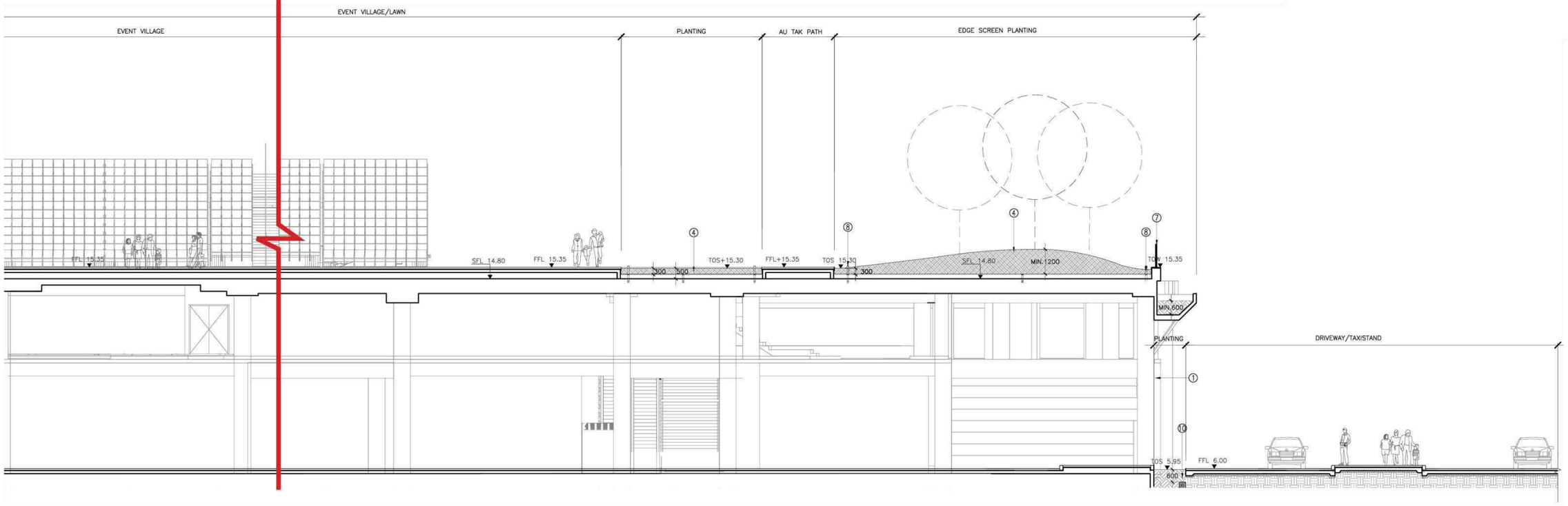
Figure C3.4 - Section and Details



1 KEY PLAN
N.T.S.

① BUILDING LINE
② PAVING AS SPECIFIED
③ R.C. STRUCTURE TO ENGINEER'S DETAIL
④ PLANTING SOIL MIXTURE AS SPECIFIED
⑤ BENCH
⑥ TREE IN TREE PIT WITH TREE GRILLE
⑦ 1.1M HIGH RAILING
⑧ OVER FLOW DRAIN AS SPECIFIED BY ENGR.
⑨ DRAIN POINT AS SPECIFIED BY ENGR.
⑩ SUB SOIL DRAIN AS SPECIFIED BY ENGR.

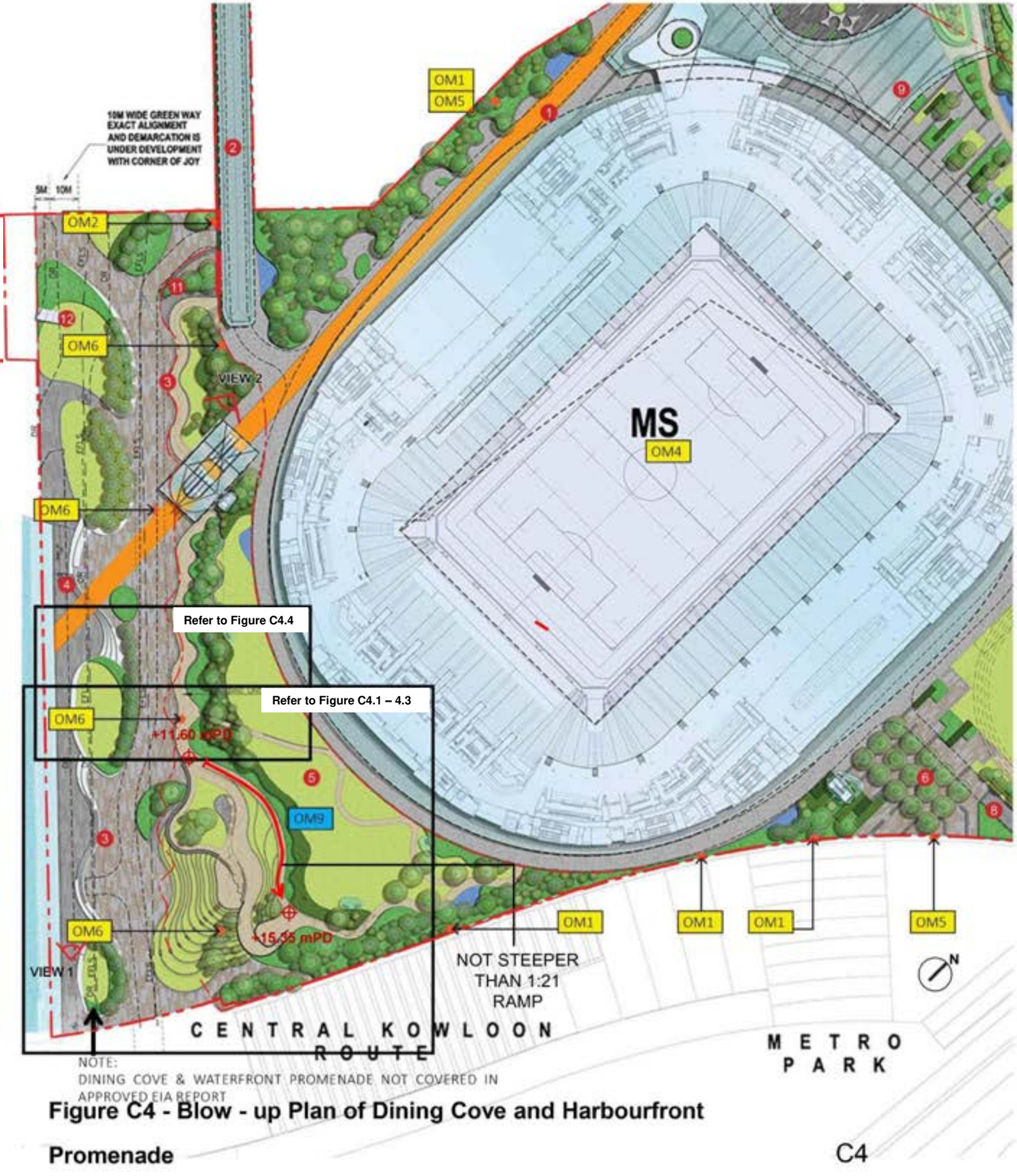
FFL	FINISHED FLOOR LEVEL
TOS	TOP OF SOIL
BOS	BOTTOM OF SOIL
TOW	TOP OF WALL
SFL	STRUCTURAL FLOOR LEVEL



PROFILE SECTION A3
Scale 1:100@A3

0 2 4 8m

Figure C3.5 - Section and Details



LEGEND:

- SITE BOUNDARY
- PLANTING AREA
- LAWN AREA
- HEDGE PLANTING
- PROPOSED TREES
- FORMAL JOGGING TRAIL (400M LOOP)
- SPORTS SURFACING AT PSG
- FITNESS STATION
- TEMPORARY SEAT & PLANTERS
- EARTH MOUND WITH CONTOUR AT 500MM INTERVAL
- EVA ROUTE
- DR — DRAINAGE RESERVE
- EFLS — ENVIRONMENTALLY FRIENDLY LINKAGE SYSTEM
- MITIGATION MEASURE
- VERTICAL GREENING FACADE MODULAR SYSTEM
- VERTICAL GREENING CLIMBER CABLE SYSTEM
- OM1 — LANDSCAPE/VISUAL MITIGATION MEASURE
- OM9 — VISUAL MITIGATION MEASURE

ID NO.	Landscape / Visual Mitigation Measure
OM1	Greening of Walkways, Ramps and Decks
OM2	Green Roofs and Vertical Greening
OM3	Compensatory Tree Planting
OM4	Responsive Building Design
OM5	Integration of Development Boundaries
OM6	Integration with Dining Cove and Harbourfront Promenade
OM7	Light Penetration Under Deck
OM8	Neighbourhood Park
OM9	Bespoke Amenity Area Lighting

1. KAI TAK SPORTS AVENUE
2. WESTERN PASSAGEWAY
3. DINING COVE/ HARBOURFRONT PROMENADE
4. BOARDWALK
5. CORNER OF JOY
6. EASTERN PLAZA
7. WALK OF FAME
8. GREENWAY
9. MAIN PLAZA CANOPY
10. TEMPORARY RUNNING TRACK OVERLAY
11. BICYCLE PARKING
12. PRECISION APPROACH RADAR TOWER

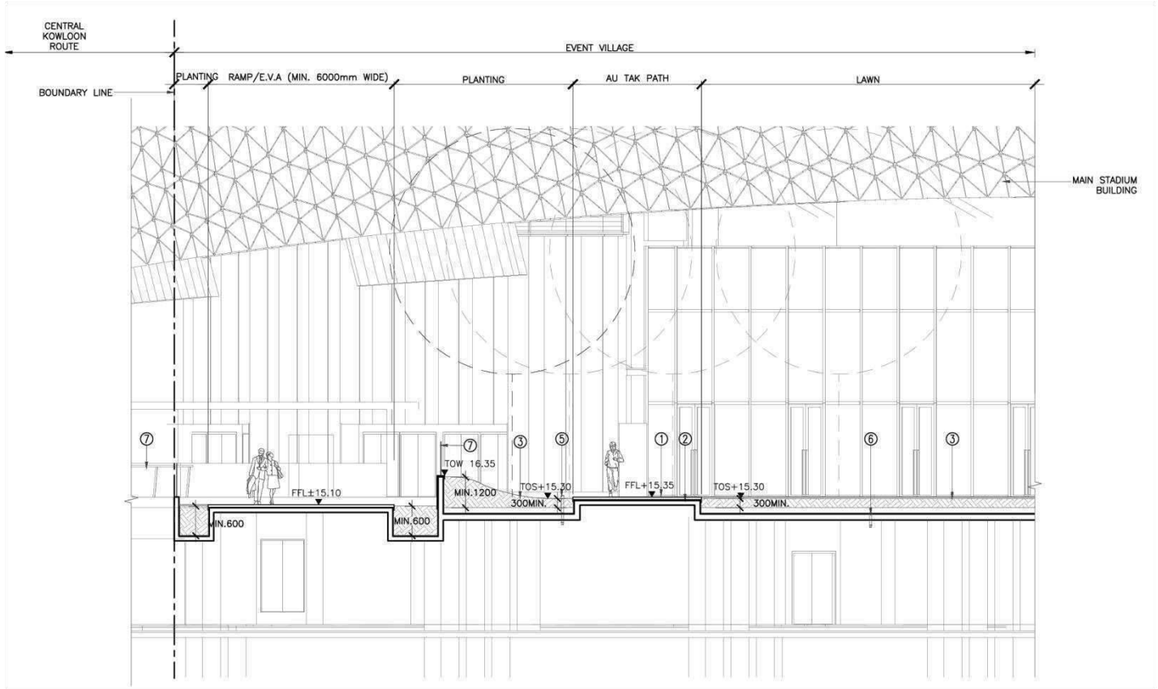
FFL	PROPOSED FINISHED FLOOR LEVEL
TOS	PROPOSED TOP OF SOIL LEVEL
TOW	PROPOSED TOP OF WALL LEVEL
TOR	PROPOSED TOP OF RAILING LEVEL
SL	PROPOSED SLAB LEVEL BY OTHER (ARCHITECT/ENGINEER)
	PROPOSED ARCHITECTURAL LEVEL/ADJACENT SITE LEVEL
	PROPOSED LANDSCAPE LEVEL

VIEW 1

VIEW 2

Figure C4 - Blow - up Plan of Dining Cove and Harbourfront Promenade

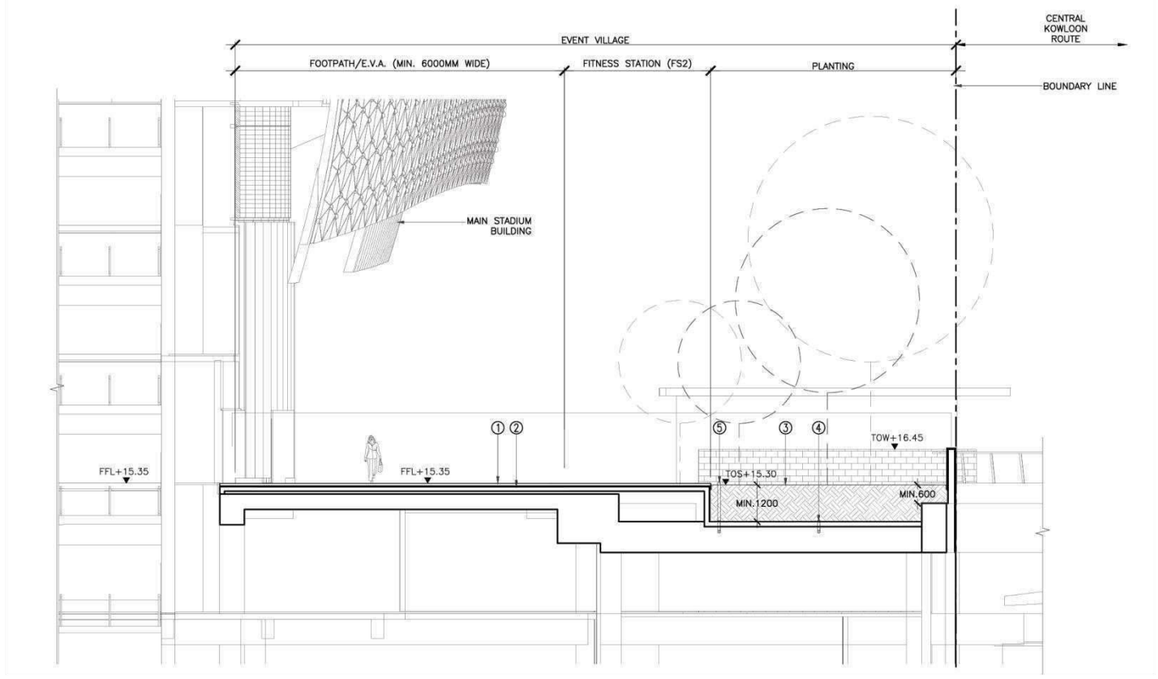
Scale 1:2000@A3



PROFILE SECTION A

Scale 1:100@A3

0 2 4 8m



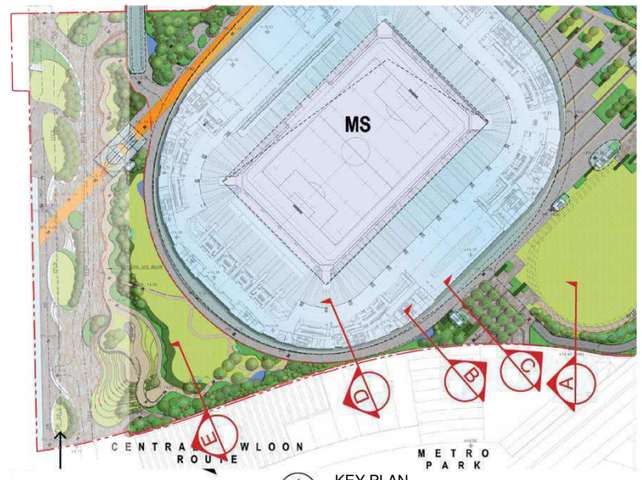
PROFILE SECTION B

Scale 1:100@A3

0 2 4 8m

Figure C4.1 - Sections and Details

OM1	Greening of Walkways, Ramps and Decks
OM5	Integration of Development Boundaries

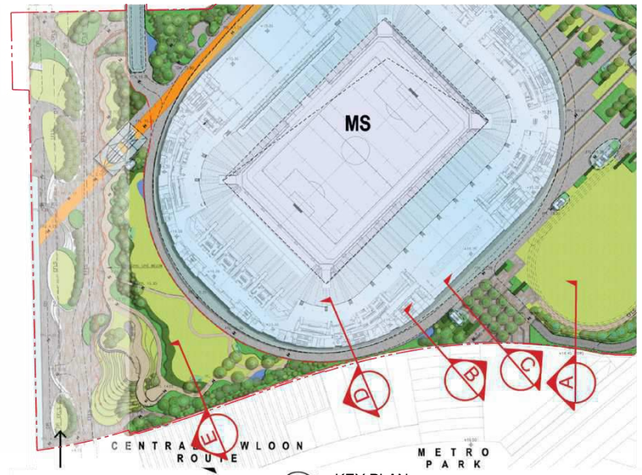


1 KEY PLAN
N.T.S.

① PAVING AS SPECIFIED
② R.C.STRUCTURE TO ENGINEER'S DETAIL
③ PLANTING SOIL MIXTURE AS SPECIFIED
④ DRAIN POINT AS SPECIFIED BY ENGINEER
⑤ OVERFLOW PIPE AS SPECIFIED BY ENGINEER
⑥ TREE IN TREE PIT WITH GRILLE
⑦ 1.1M HIGH RAILING

FFL FINISHED FLOOR LEVEL
TOS TOP OF SOIL
TOW TOP OF WALL

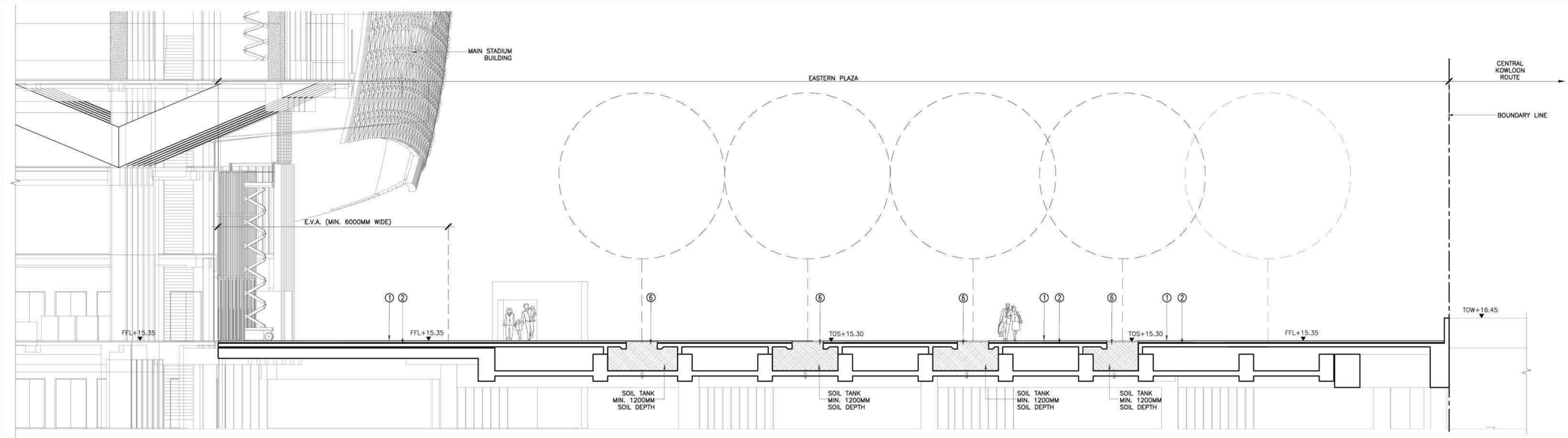
OM1	Greening of Walkways, Ramps and Decks
OM5	Integration of Development Boundaries



1 KEY PLAN
N.T.S.

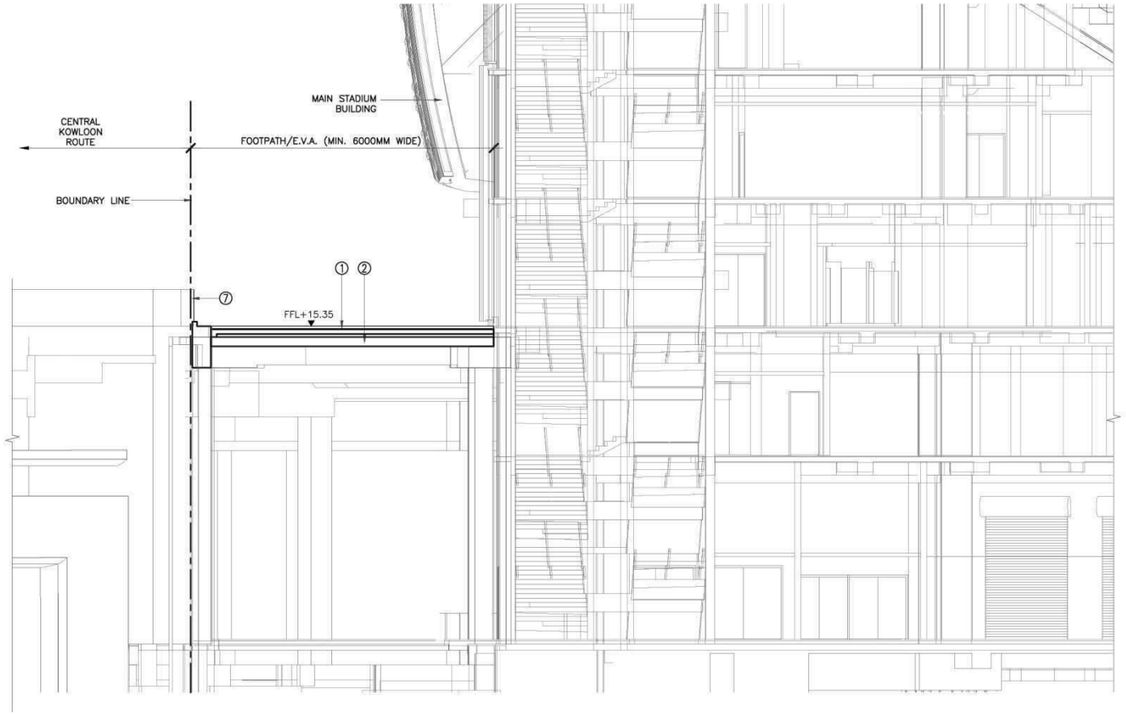
① PAVING AS SPECIFIED
② R.C. STRUCTURE TO ENGINEER'S DETAIL
③ PLANTING SOIL MIXTURE AS SPECIFIED
④ DRAIN POINT AS SPECIFIED BY ENGINEER
⑤ OVERFLOW PIPE AS SPECIFIED BY ENGINEER
⑥ TREE IN TREE PIT WITH GRILLE
⑦ 1.1M HIGH RAILING

FFL FINISHED FLOOR LEVEL
TOS TOP OF SOIL
TOW TOP OF WALL



PROFILE SECTION C
Scale 1:100@A3

Figure C4.2 - Section and Details

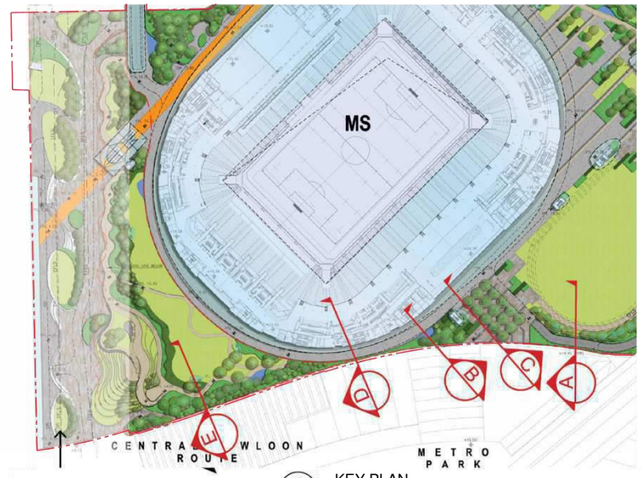


PROFILE SECTION D

Scale 1:100@A3

0 2 4 8m

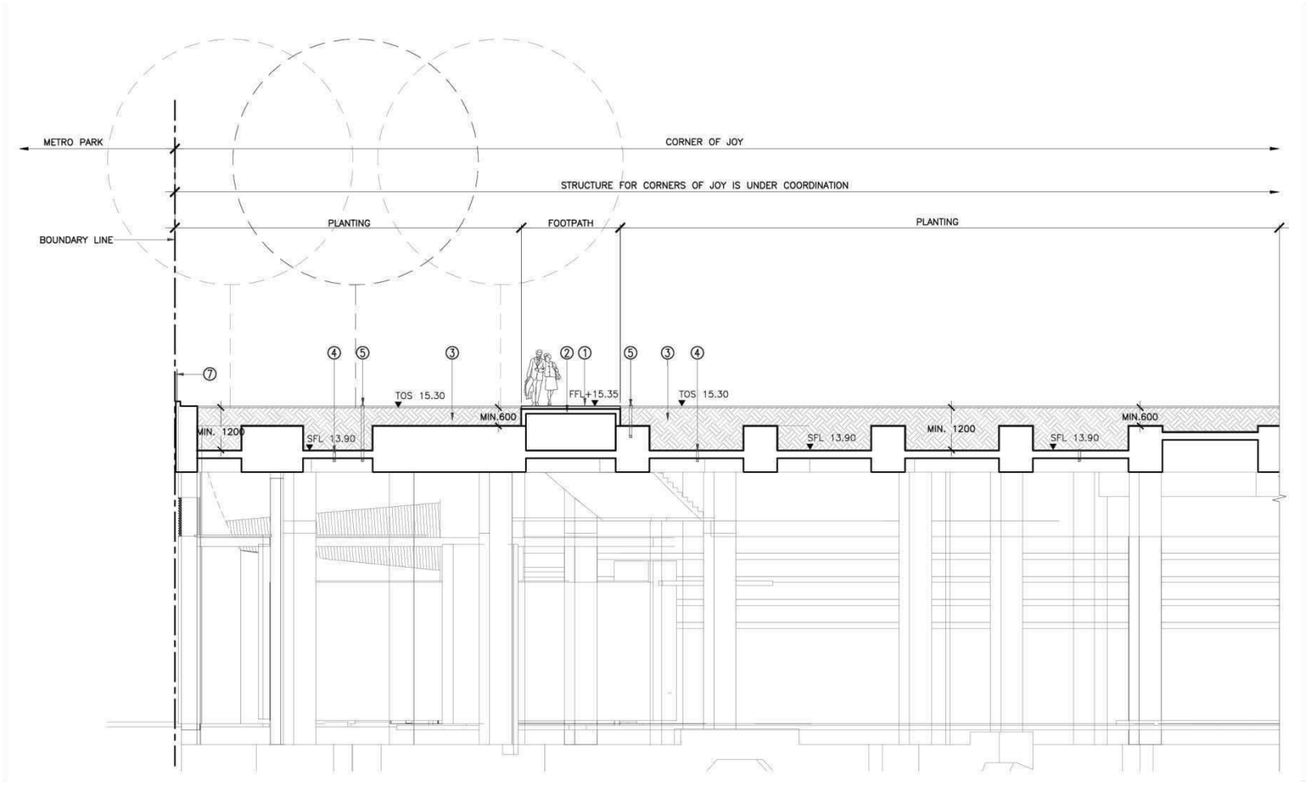
OM1	Greening of Walkways, Ramps and Decks
OM5	Integration of Development Boundaries



1 KEY PLAN
N.T.S.

① PAVING AS SPECIFIED
② R.C.STRUCTURE TO ENGINEER'S DETAIL
③ PLANTING SOIL MIXTURE AS SPECIFIED
④ DRAIN POINT AS SPECIFIED BY ENGINEER
⑤ OVERFLOW PIPE AS SPECIFIED BY ENGINEER
⑥ TREE IN TREE PIT WITH GRILLE
⑦ 1.1M HIGH RAILING

FFL FINISHED FLOOR LEVEL
TOS TOP OF SOIL
TOW TOP OF WALL



PROFILE SECTION E

Scale 1:100@A3

0 2 4 8m

Figure C4.3 - Sections and Details

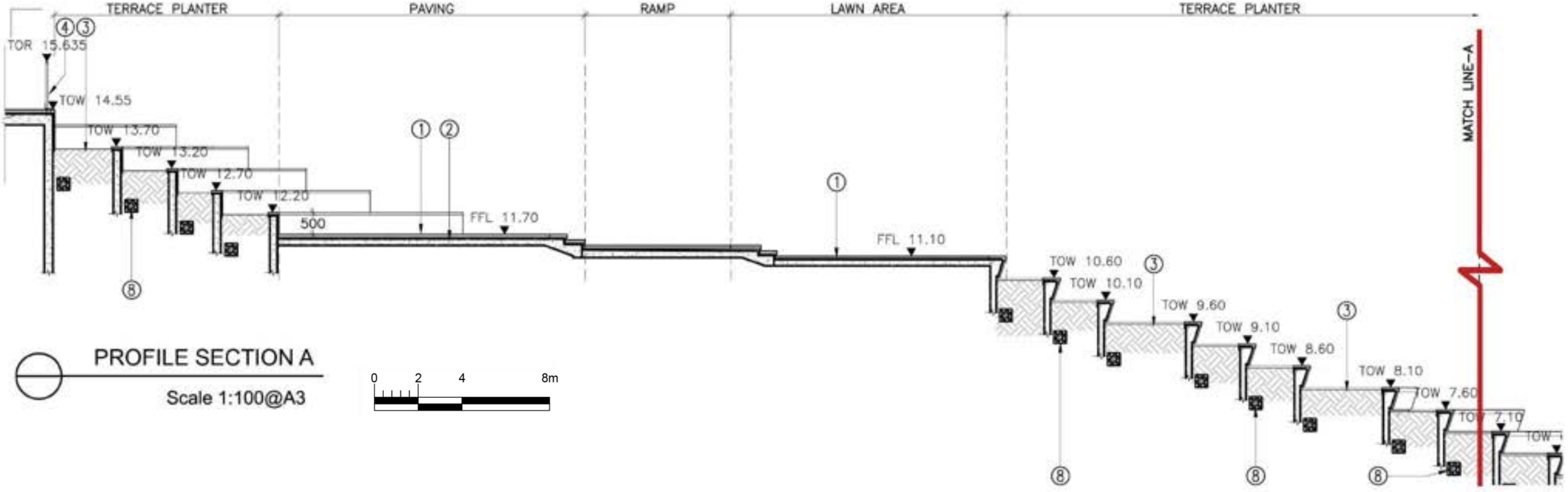
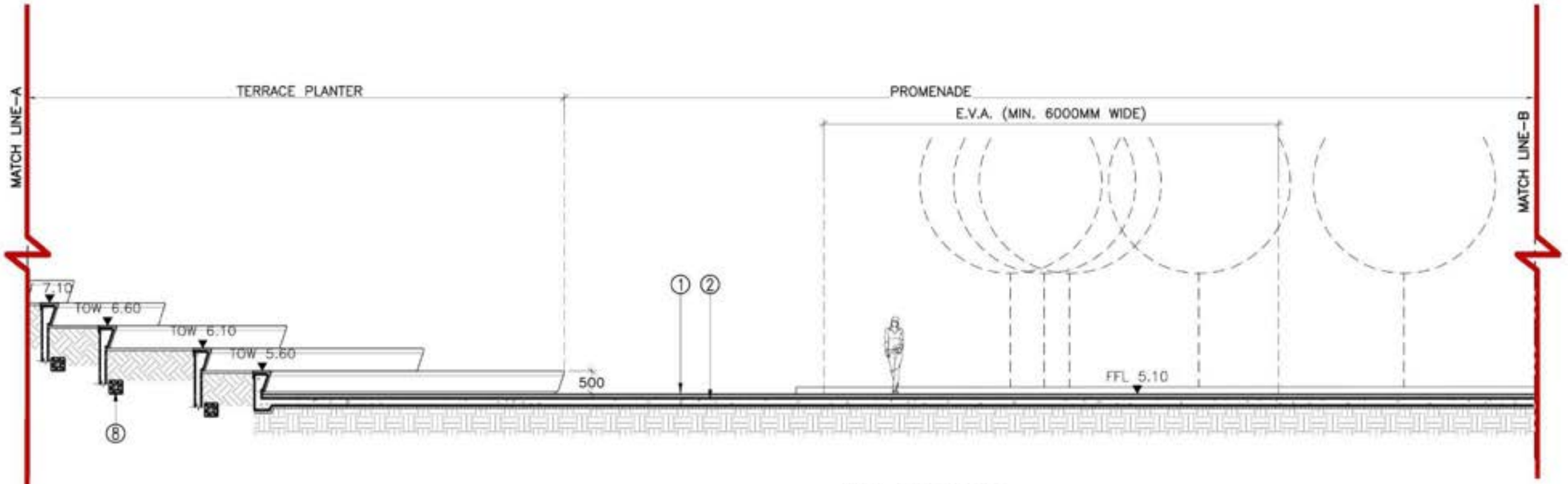
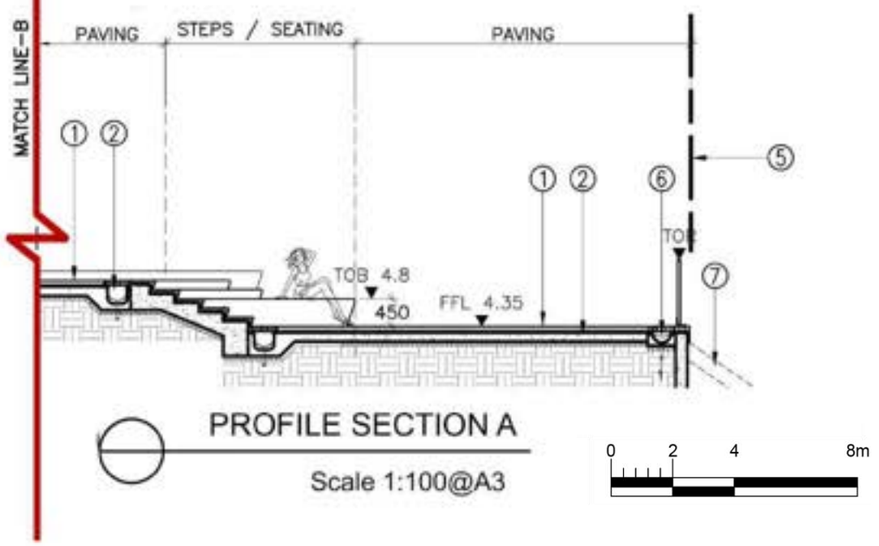


Figure C4.6 - Section and Details





① PAVING AS SPECIFIED

② R.C. STRUCTURE TO ENGR'S DETAIL

③ PLANTING SOIL MIXTURE AS SPECIFIED

④ 1.10 M. HIGH RAILING REFER TO ARCHITECT'S DETAIL

⑤ SITE BOUNDARY

⑥ DRAIN CHANNEL

⑦ SEAWALL

⑧ SUB-SOIL DRAIN TO ENGINEER'S DETAIL

FFL	FINISHED FLOOR LEVEL
TOS	TOP OF SOIL
TOW	TOP OF WALL
TOR	TOP OF RAILING

Figure C4.7 - Section and Details

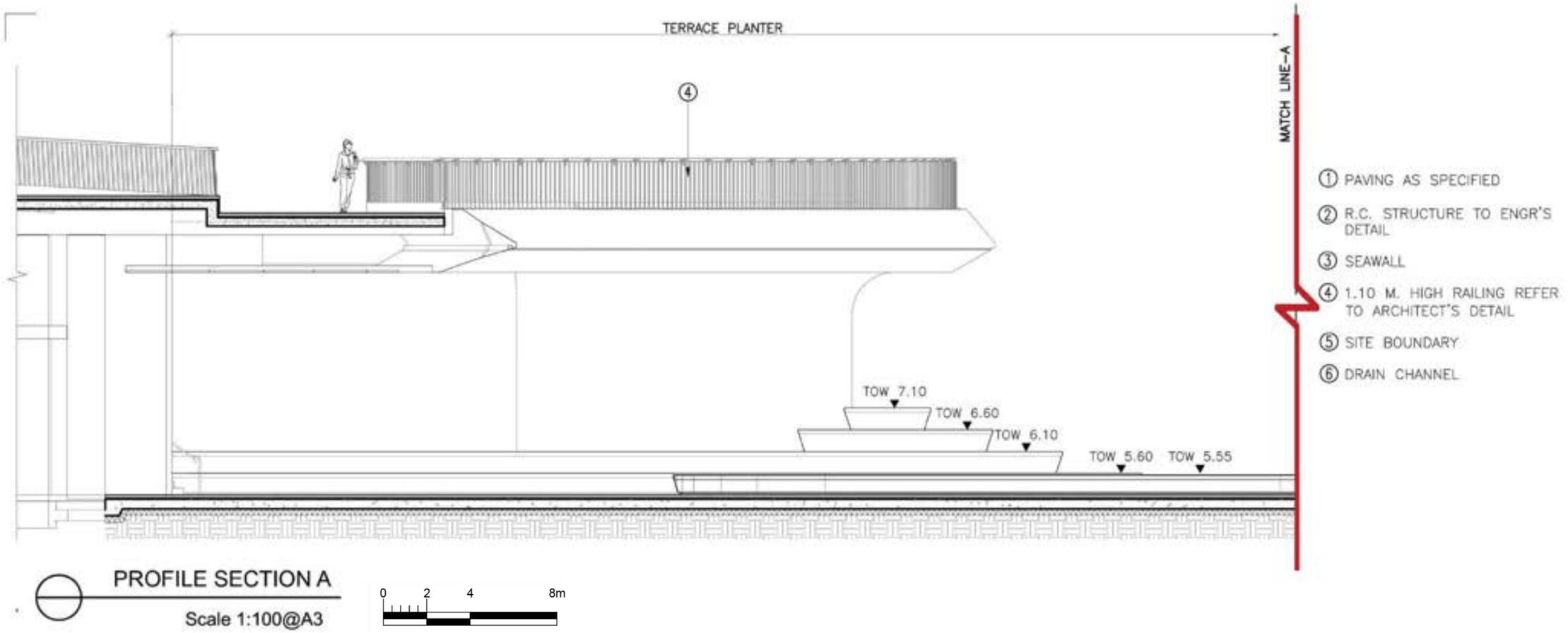
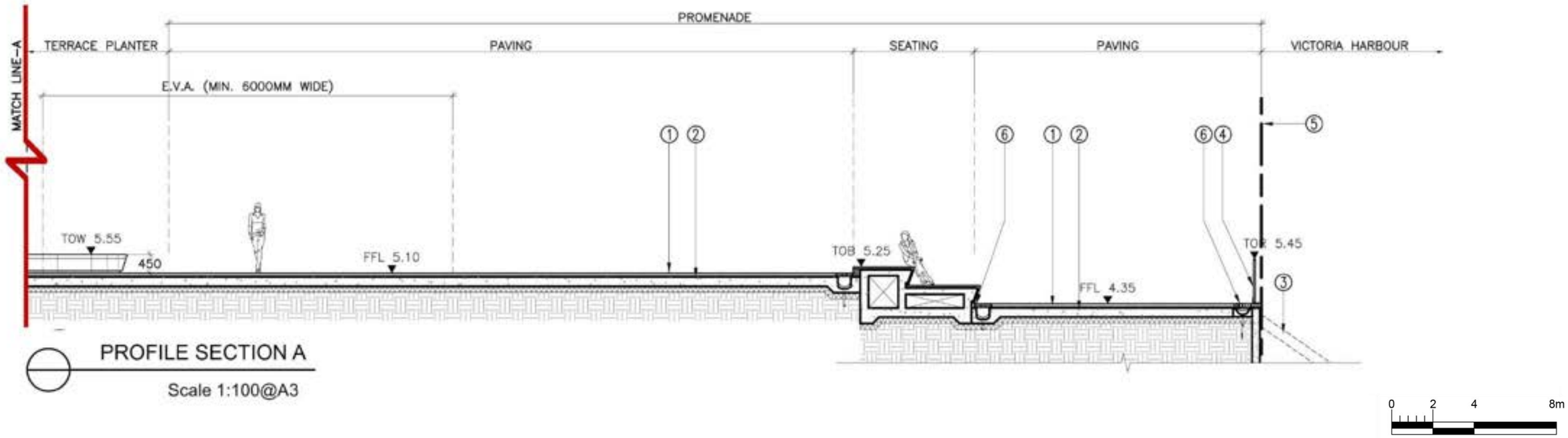


Figure C4.8 - Section and Details



PROFILE SECTION A

Scale 1:100@A3

FFL	FINISHED FLOOR LEVEL
TOS	TOP OF SOIL
TOW	TOP OF WALL
TOR	TOP OF RAILING

Figure C4.9 - Section and Details

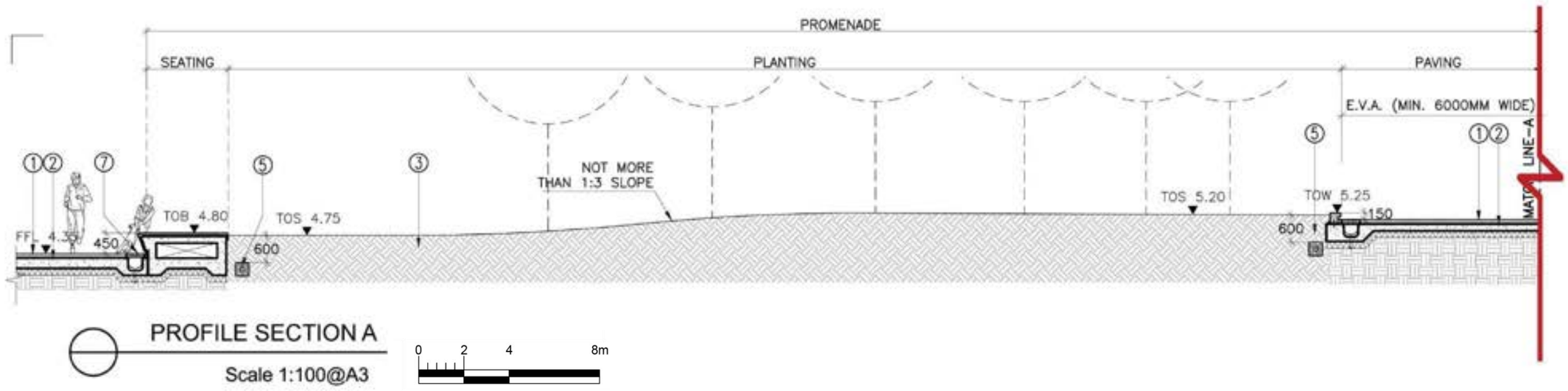


Figure C4.10 - Section and Details

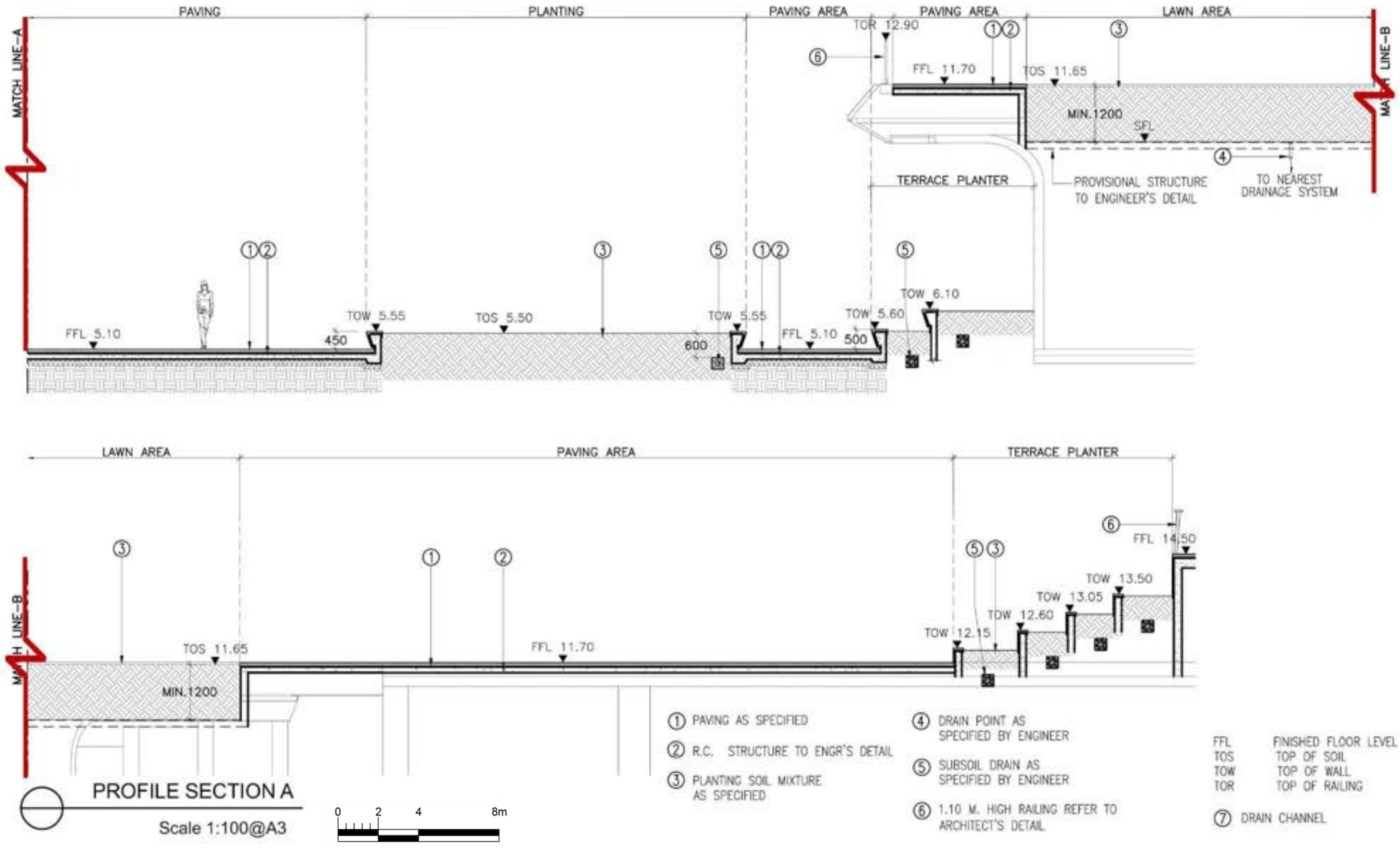


Figure C4.11 - Section and Details

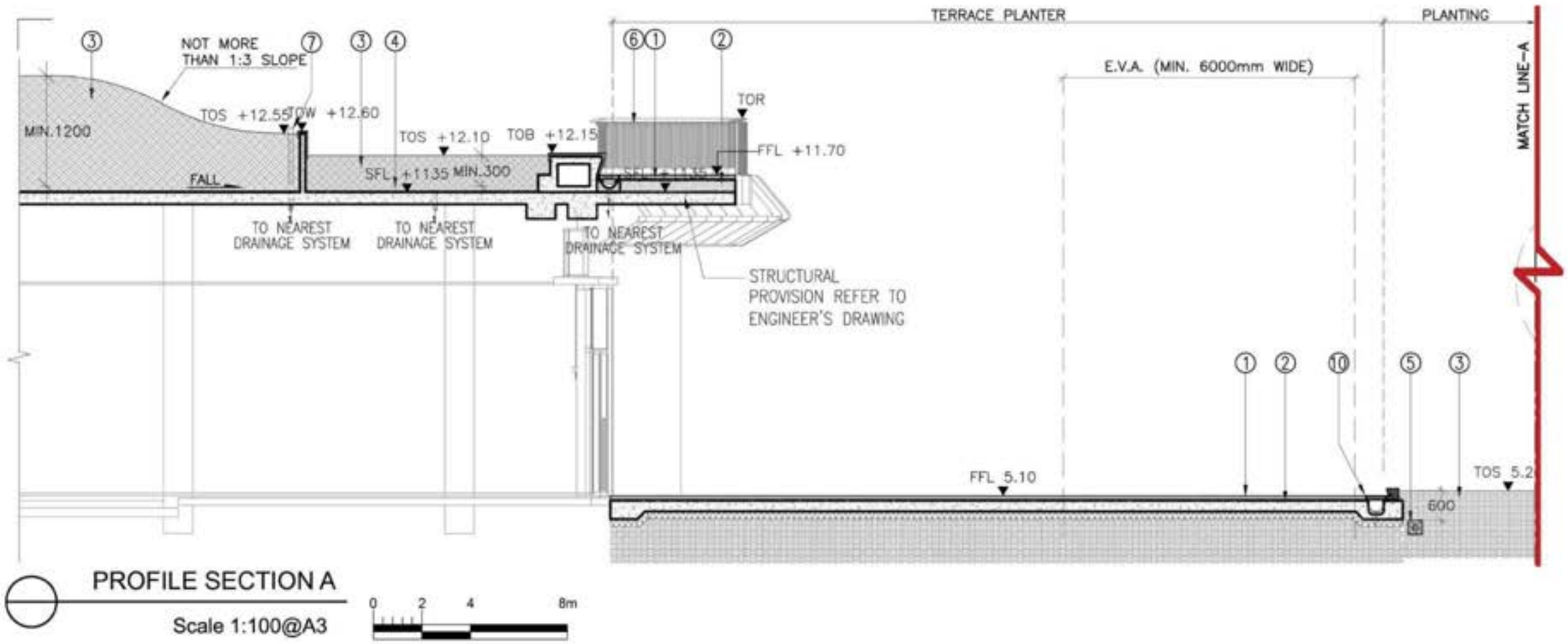
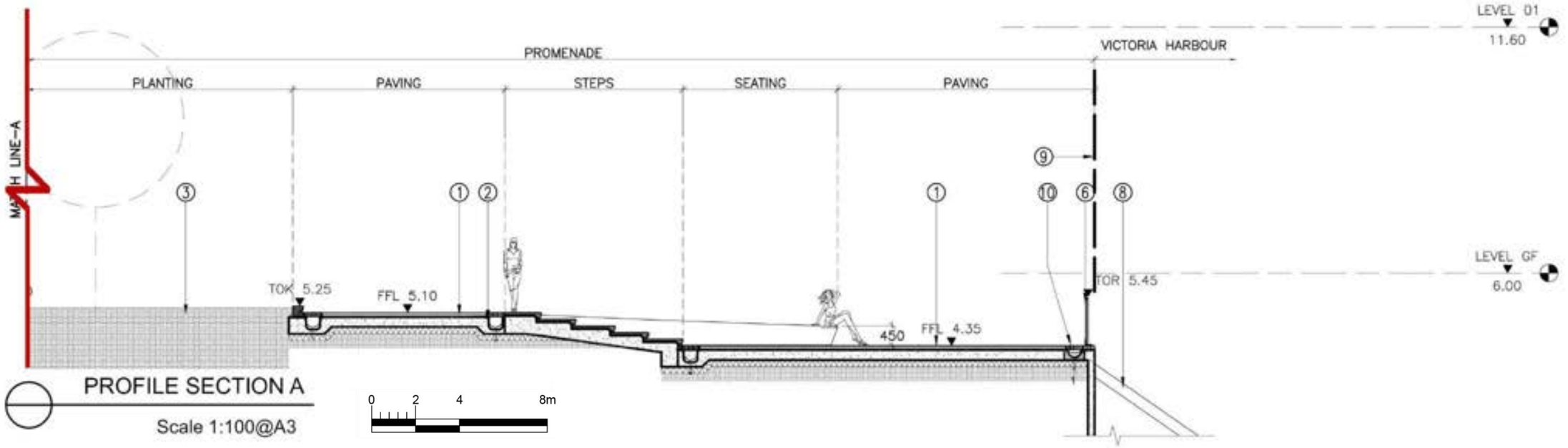


Figure C4.12 - Section and Details



PROFILE SECTION A

Scale 1:100@A3

① PAVING AS SPECIFIED

② R.C. STRUCTURE TO ENGR'S DETAIL

③ PLANTING SOIL MIXTURE AS SPECIFIED

④ DRAIN POINT AS SPECIFIED BY ENGINEER

⑤ SUBSOIL DRAIN AS SPECIFIED BY ENGINEER

⑥ 1.10 M. HIGH RAILING REFER TO ARCHITECT'S DETAIL

⑦ OVERFLOW DRAIN REFER TO DETAIL"DX9-0500" AND "DX9-0501"

⑧ SEAWALL

⑨ SITE BOUNDARY

⑩ DRAIN CHANNEL

FFL	FINISHED FLOOR LEVEL
TOS	TOP OF SOIL
TOW	TOP OF WALL
TOR	TOP OF RAILING

Figure C4.13 - Section and Details

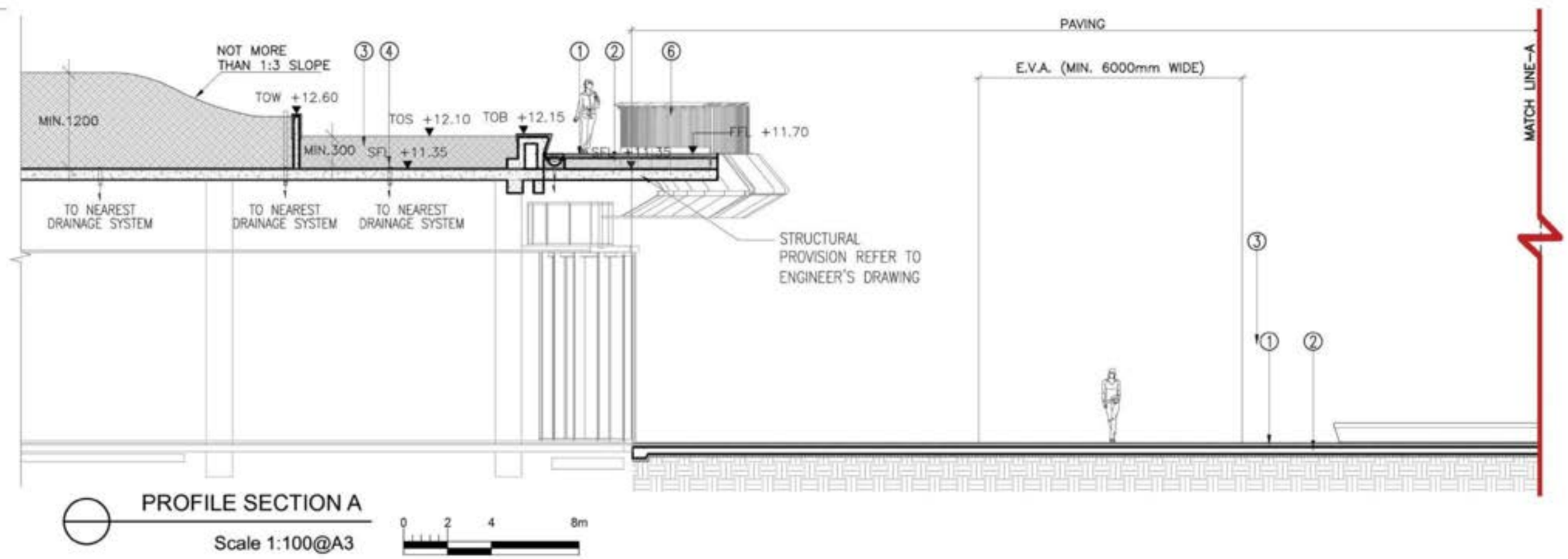
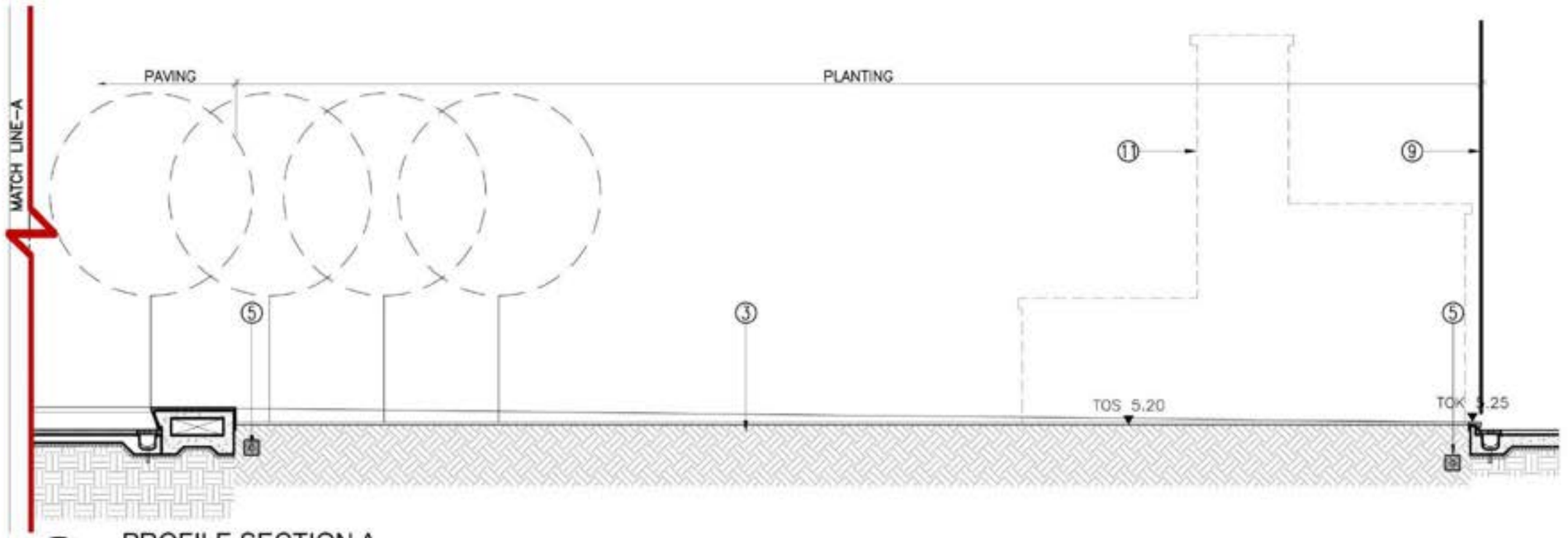


Figure C4.14 - Section and Details



PROFILE SECTION A

Scale 1:100@A3

0 2 4 8m

① PAVING AS SPECIFIED

② R.C. STRUCTURE TO ENGR'S DETAIL

③ PLANTING SOIL MIXTURE AS SPECIFIED

④ DRAIN POINT AS SPECIFIED BY ENGINEER

⑤ SUBSOIL DRAIN AS SPECIFIED BY ENGINEER

⑥ 1.10 M. HIGH RAILING REFER TO ARCHITECT'S DETAIL

⑦ OVERFLOW DRAIN REFER TO DETAIL"DX9-0500" AND "DX9-0501"

⑧ SEAWALL

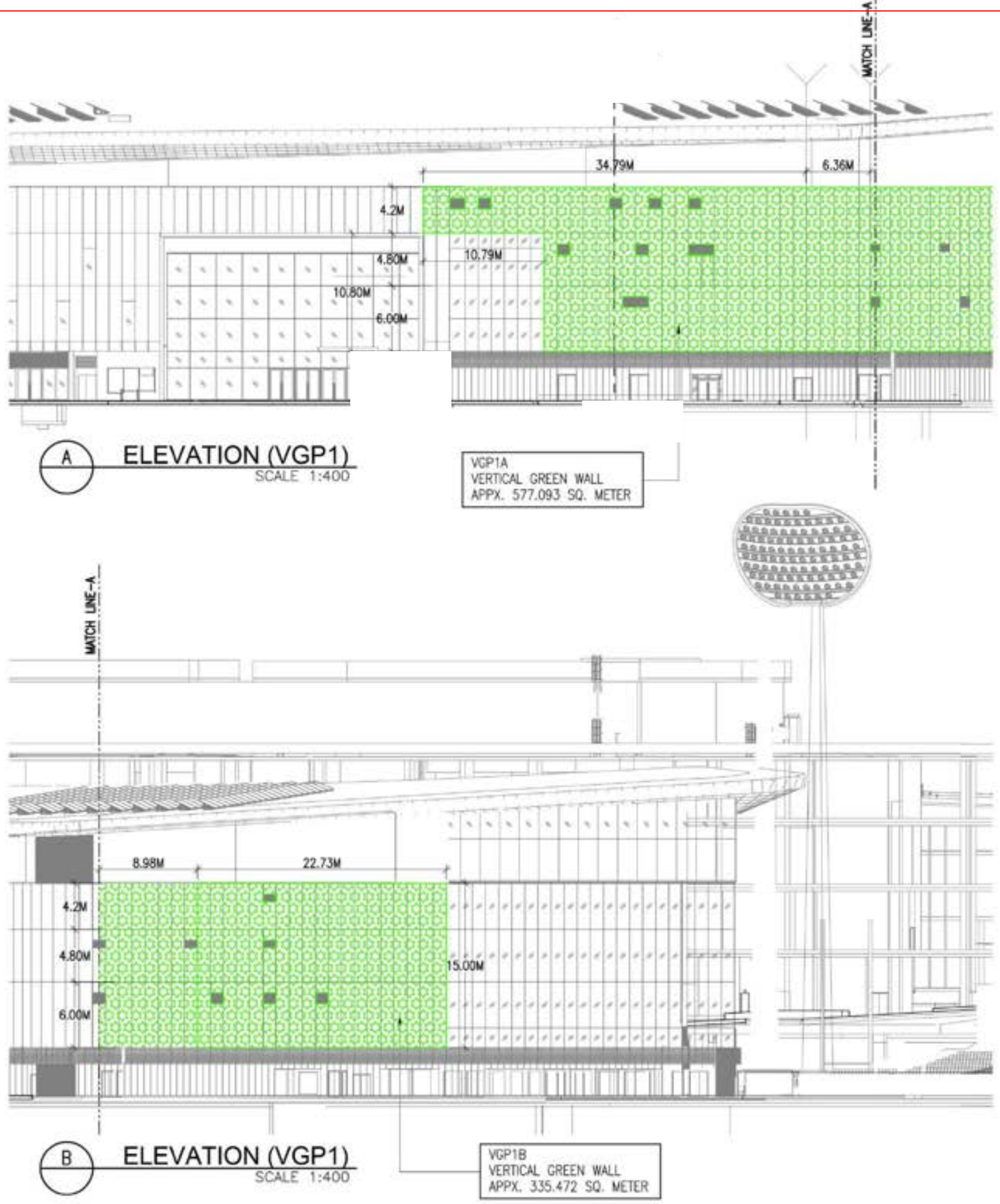
⑨ SITE BOUNDARY

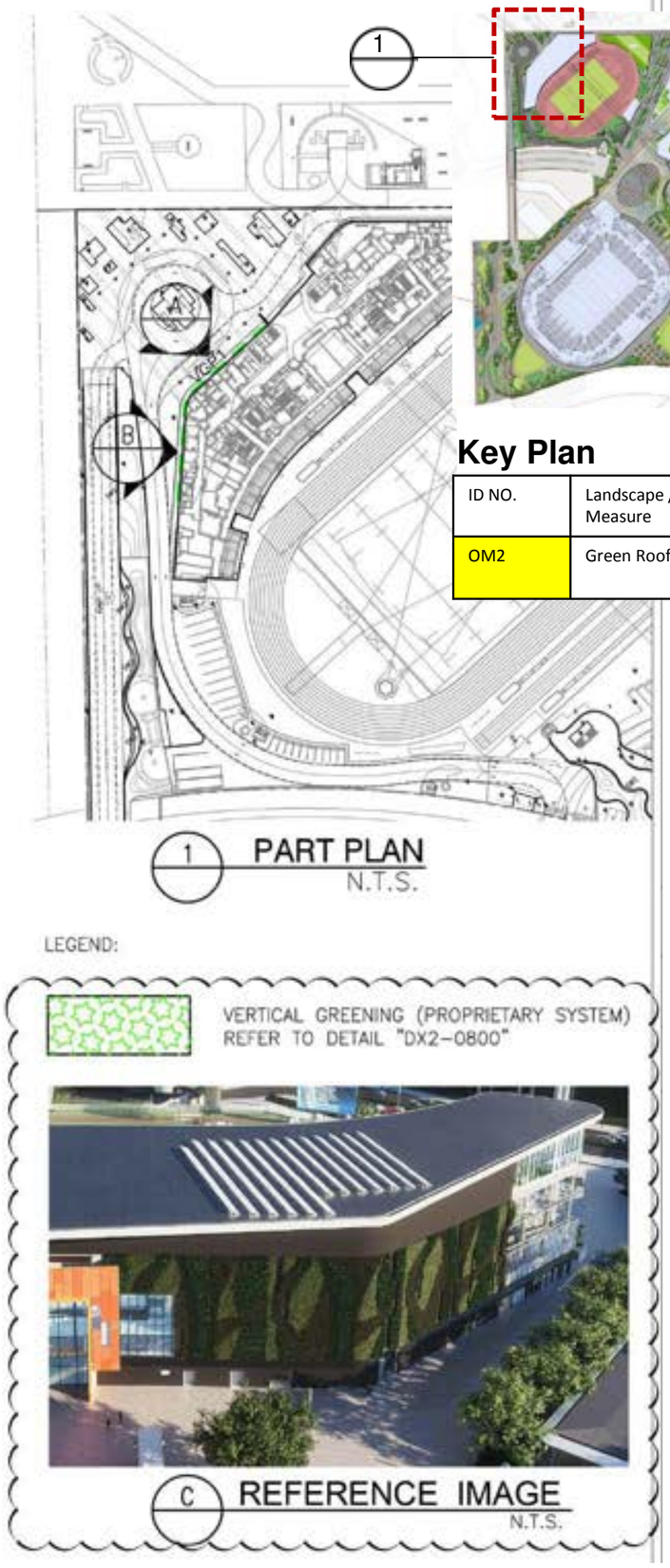
⑩ DRAIN CHANNEL

⑪ EXISTING RADAR TOWER, UNDER DEVELOPMENT

FFL FINISHED FLOOR LEVEL
TOS TOP OF SOIL
TOW TOP OF WALL
TOR TOP OF RAILING

Figure C4.15 - Section and Details





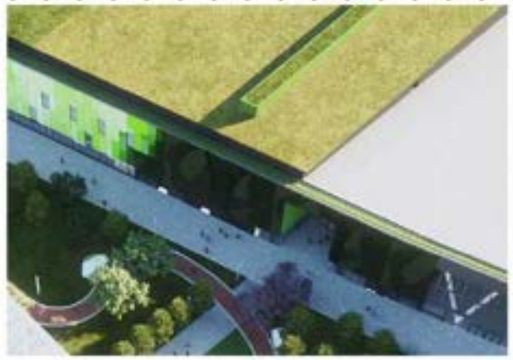
Key Plan

ID NO.	Landscape / Visual Mitigation Measure
OM2	Green Roofs and Vertical Greening

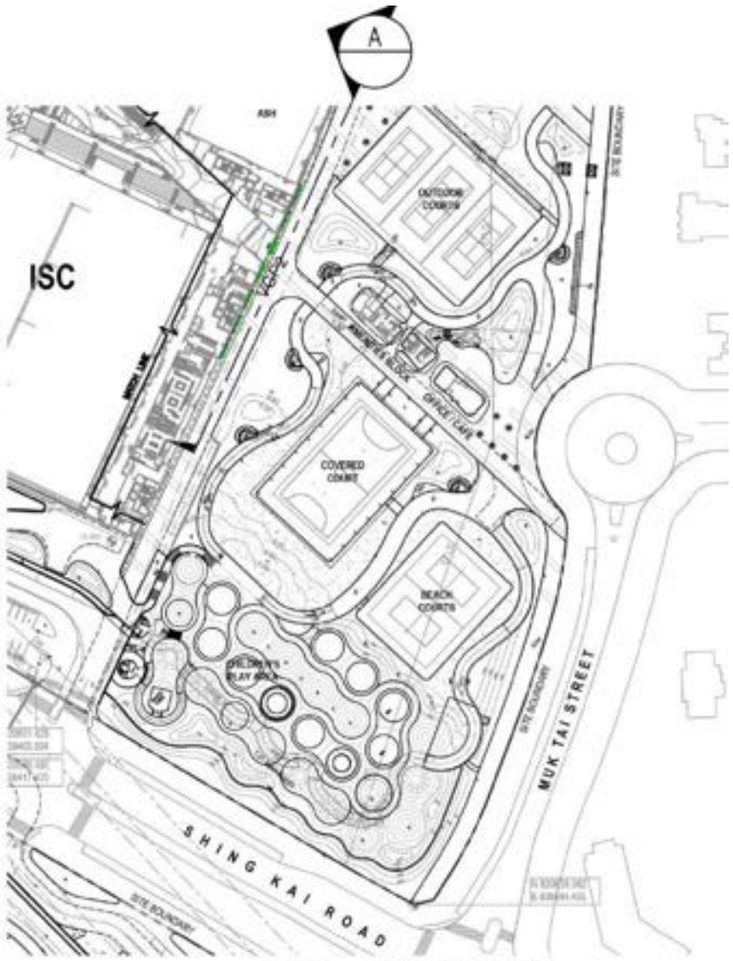
Figure C4.16 – Vertical Greening Typical Details: Façade Modular System

LEGEND:

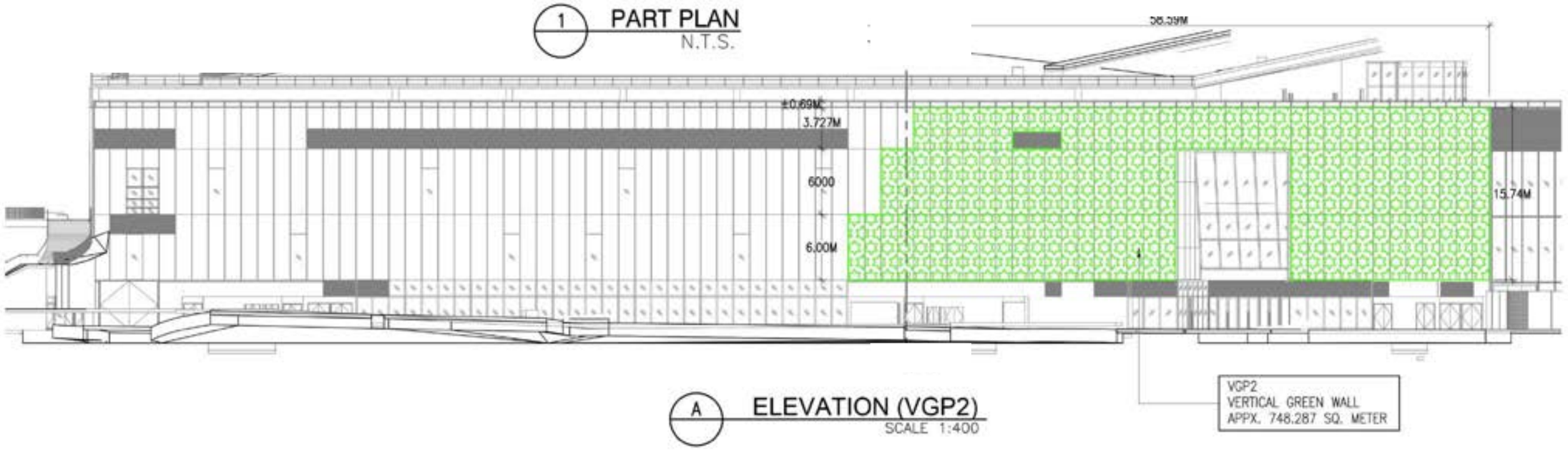
VERTICAL GREENING (PROPRIETARY SYSTEM)
REFER TO DETAIL "DX2-0800"



B REFERENCE IMAGE
N.T.S.



1 PART PLAN
N.T.S.

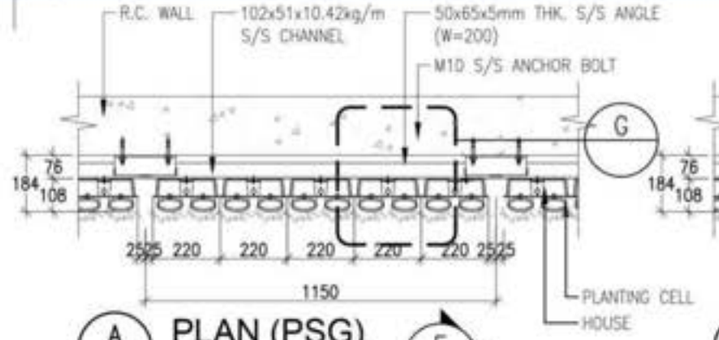


A ELEVATION (VGP2)
SCALE 1:400

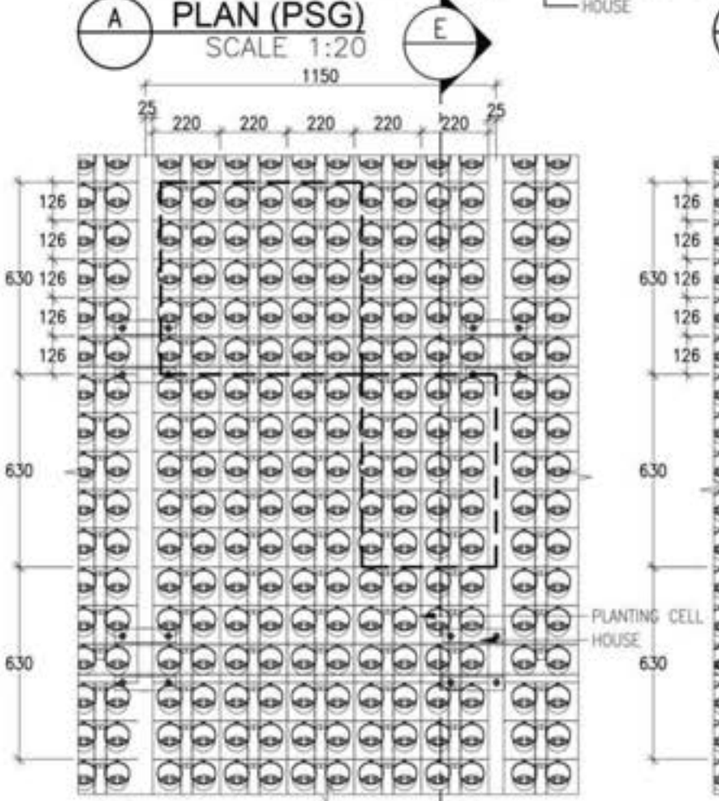
Key Plan

ID NO.	Landscape / Visual Mitigation Measure
OM2	Green Roofs and Vertical Greening

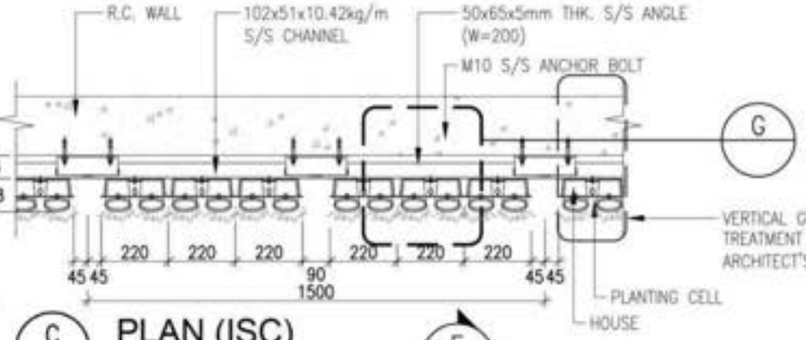
Figure C4.17 – Vertical Greening Typical Details: Façade Modular System



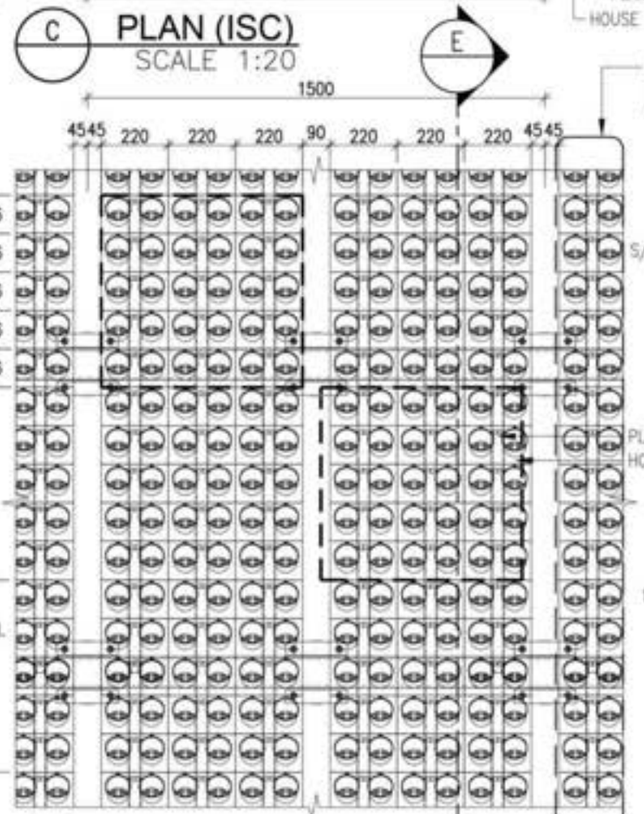
A PLAN (PSG)
SCALE 1:20



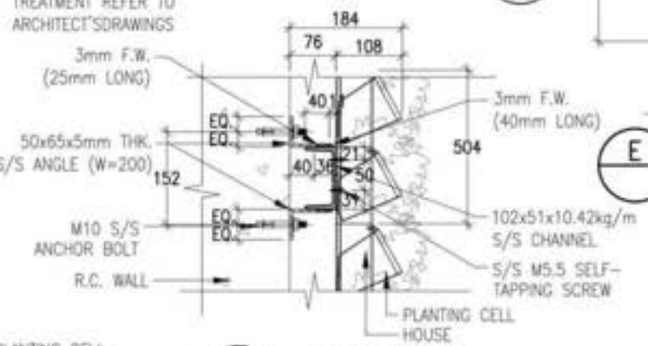
B ELEVATION (PSG)
SCALE 1:20



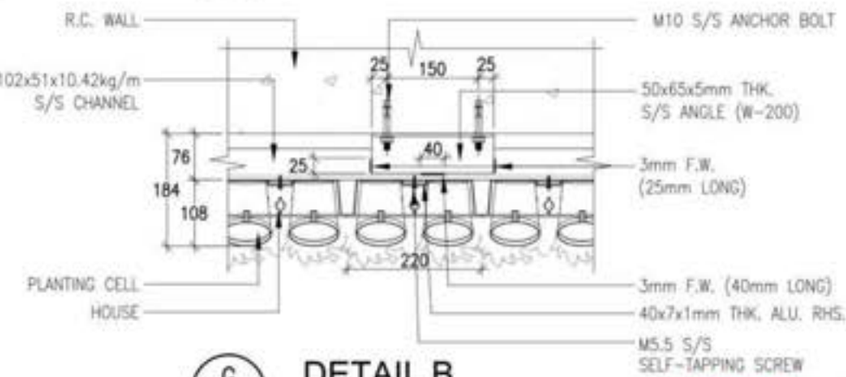
C PLAN (ISC)
SCALE 1:20



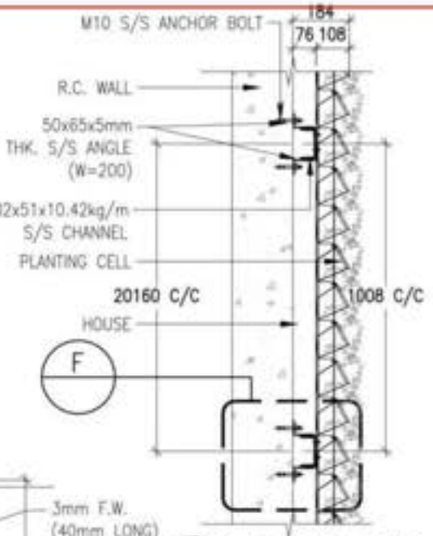
D ELEVATION (ISC)
SCALE 1:20



F DETAIL A
SCALE 1:10



G DETAIL B
SCALE 1:10

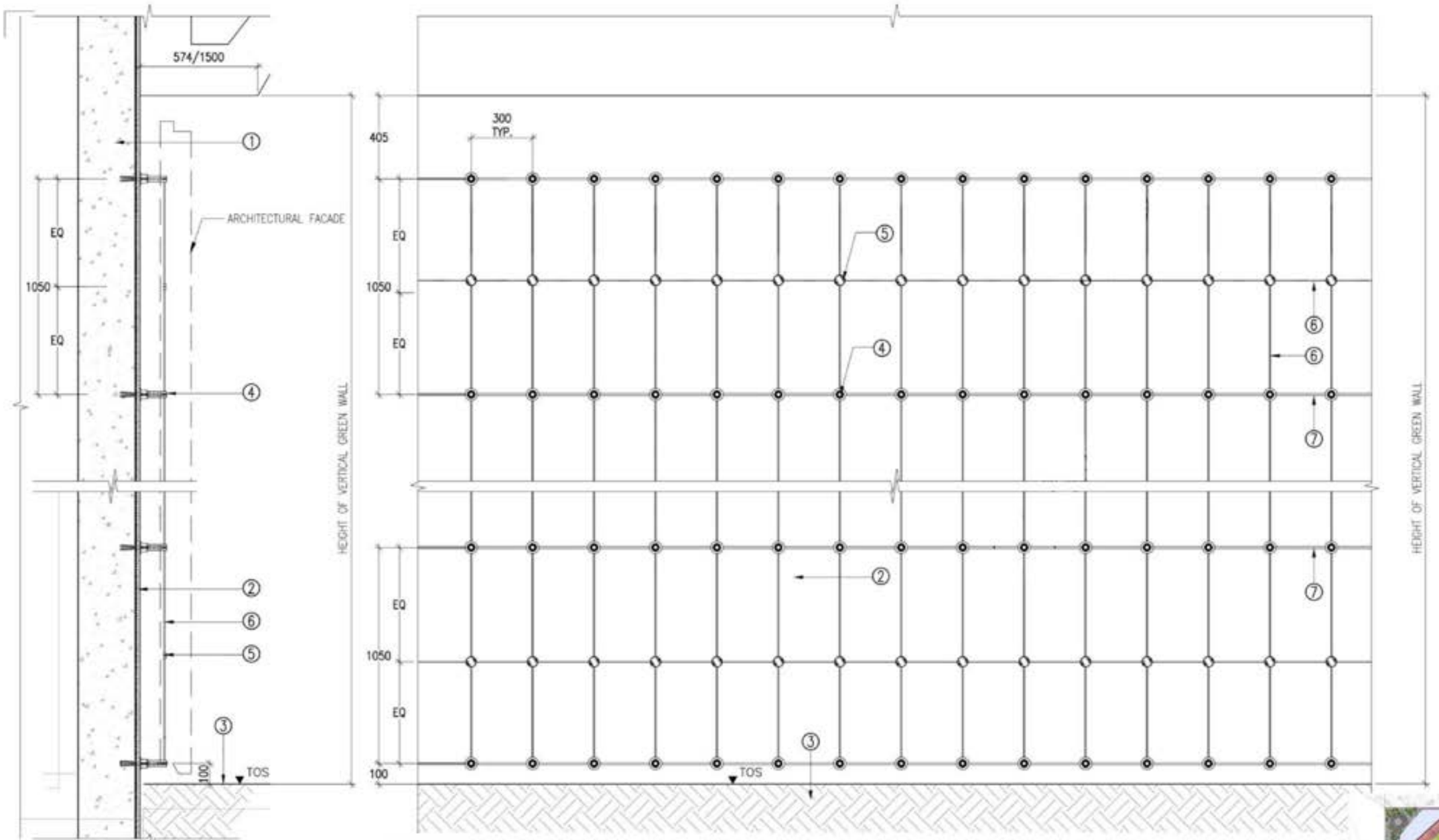


E SECTION
SCALE 1:20

H IMAGE REFERENCE
NTS

ID NO.	Landscape / Visual Mitigation Measure
OM2	Green Roofs and Vertical Greening

Figure C4.18 – Vertical Greening Typical Details: Façade Modular System



A SECTION
SCALE 1:20

B ELEVATION (TYPE A)
SCALE 1:20

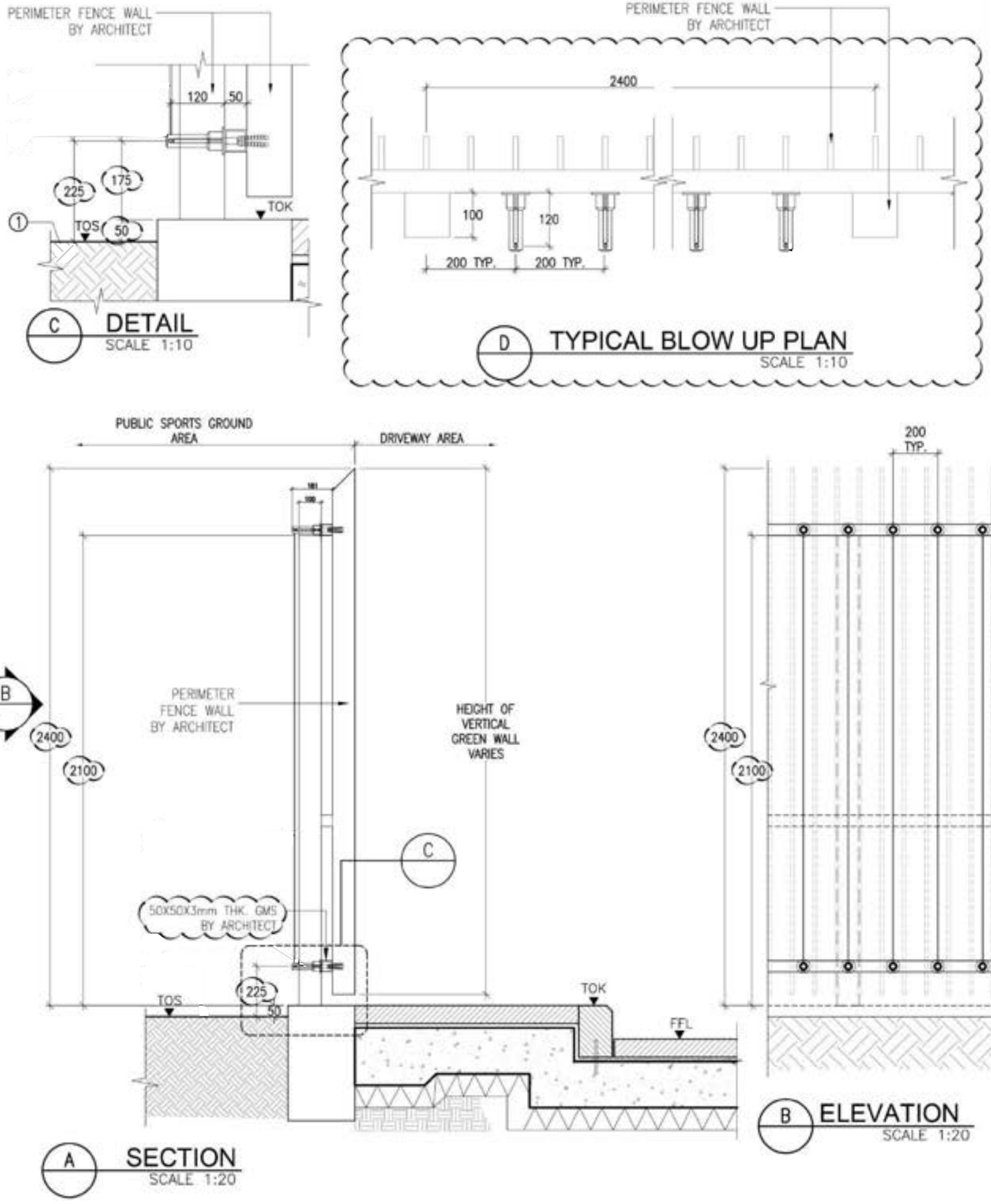
① R.C. STRUCTURE TO ENGR'S. DETAIL
② FINISH AS SPECIFIED
③ PLANTING SOIL MIX AS SPECIFIED(MIN.300MM WIDE)
④ STAINLESS STEEL (GRADE 316) GREEN GUIDE SPACER (PROPRIETARY)
⑤ STAINLESS STEEL (GRADE 316) CROSS CLAMP(PROPRIETARY)
⑥ 4MMø S/S CABLE (GRADE 316)
⑦ 10MMø STAINLESS STEEL ROD (GRADE 316)

TOS TOP OF SOIL
TOW TOP OF WALL

Key Plan

ID NO.	Landscape / Visual Mitigation Measure
OM2	Green Roofs and Vertical Greening

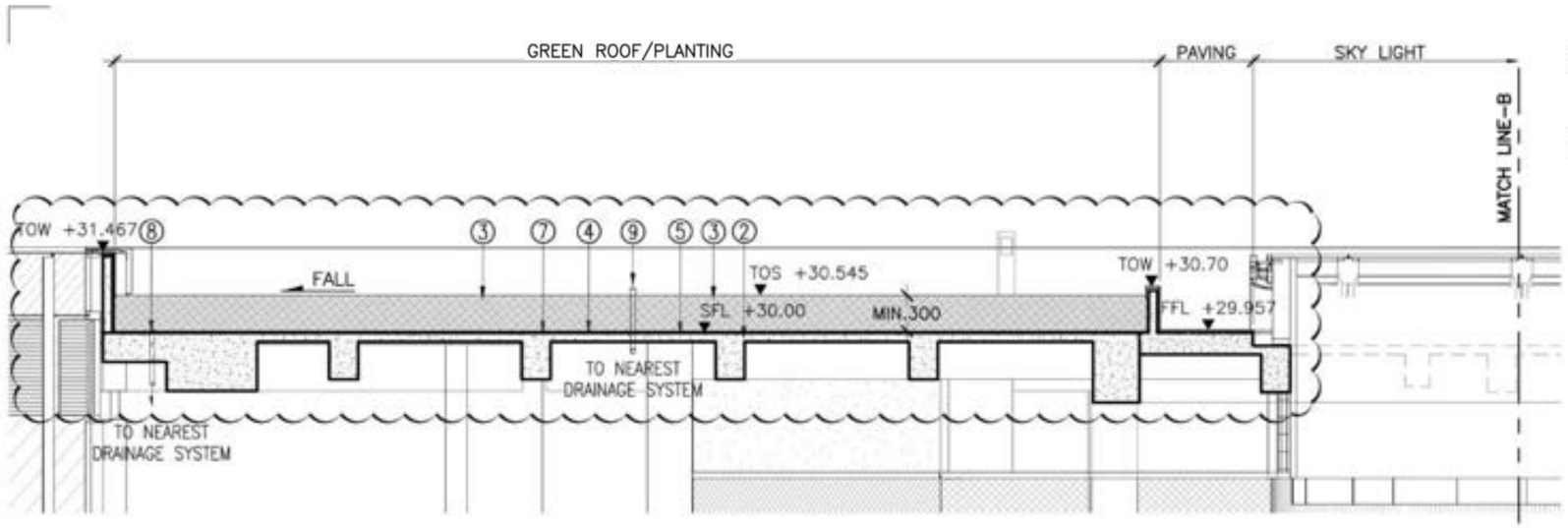
Figure C4.19 – Vertical Greening Typical Details: Climbers & Cable System



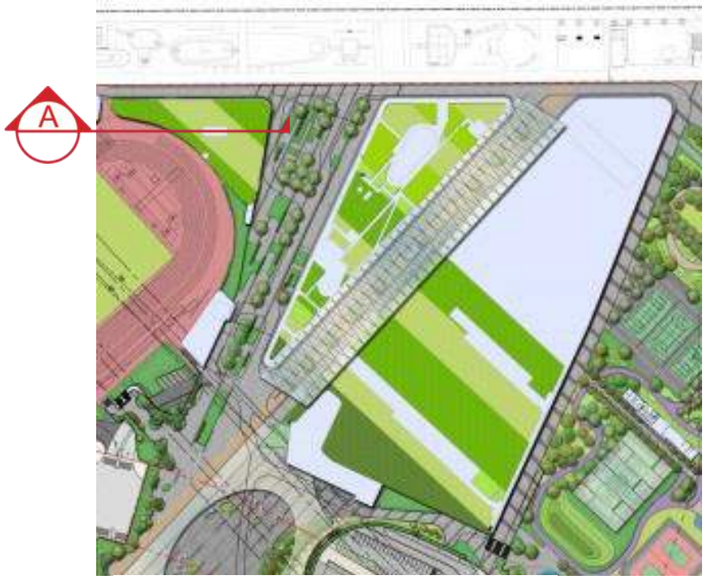
ID NO.	Landscape / Visual Mitigation Measure
OM2	Green Roofs and Vertical Greening

Figure C4.20 – Vertical Greening Typical Details: Climbers & Cable System

Attachment 3



A PROFILE SECTION (GREEN ROOF)
SCALE: 100



Key Plan

⑧ DRAIN PIPE LOCATION AND DETAIL BY ENGINEER

⑨ OVERFLOW DRAIN REFER TO DETAIL "DX9-0500" AND "DX9-0501", LOCATION BY ENGINEER

① PAVING BY ARCHITECT

② R.C. STRUCTURE TO ENGINEER'S DETAIL

③ PLANTING SOIL MIX AS SPECIFIED

④ DRAINAGE CELL LAYER TO SPECIALIST'S DETAIL

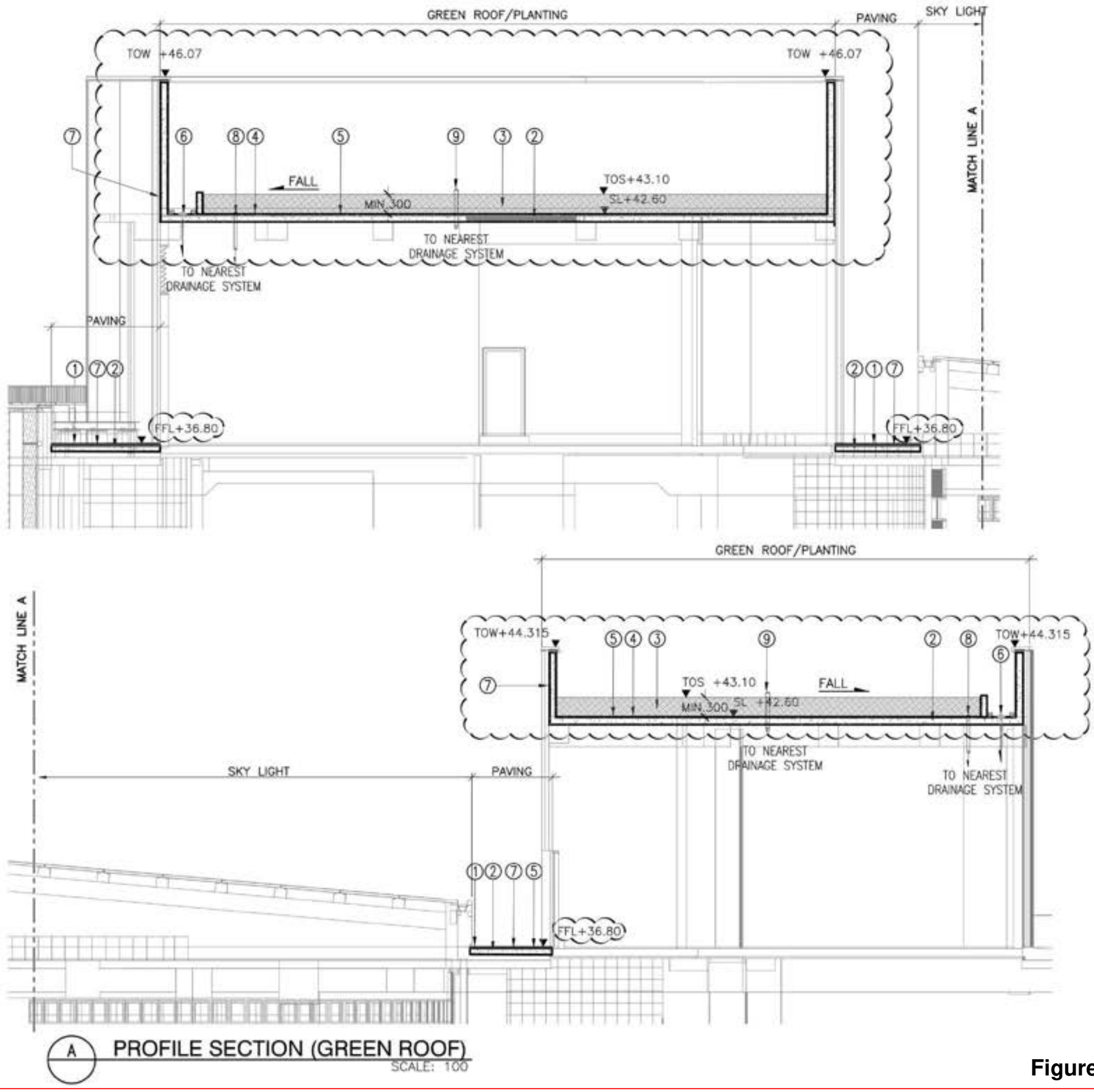
⑤ WATERPROOFING MEMBRANE TO ARCHITECT'S SPECIFICATION

⑥ MIN. 25MM THK. C/S SCREEDING LAYER

⑦ DRAINAGE SYSTEM REFER TO ENGINEER'S DRAWING

ID NO.	Landscape / Visual Mitigation Measure
OM2	Green Roofs and Vertical Greening

Figure C4.21 - Section and Details: Green Roofs



A PROFILE SECTION (GREEN ROOF)
SCALE: 100

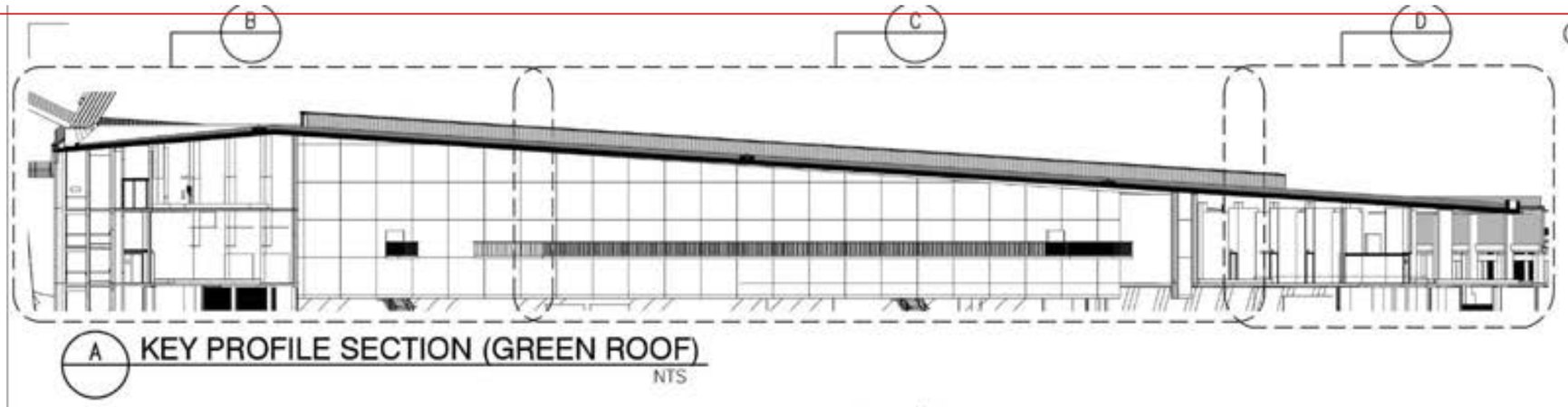
① PAVING BY ARCHITECT
② R.C. STRUCTURE TO ENGINEER'S DETAIL
③ PLANTING SOIL MIX AS SPECIFIED
④ DRAINAGE CELL LAYER TO SPECIALIST'S DETAIL
⑤ WATERPROOFING MEMBRANE TO ARCHITECT'S SPECIFICATION
⑥ DRAINAGE SYSTEM REFER TO ENGINEER'S DRAWING.
⑦ MIN. 25mm THK. C/S SCREEDING
⑧ DRAIN PIPE TO ENGINEER'S DETAIL
⑨ OVERFLOW DRAIN TO REFER TO DETAIL "DX9-0500" AND "DX9-0501"

FFL FINISH FLOOR LEVEL
TOW TOP OF WALL
TOS TOP OF SOIL

Key Plan

ID NO.	Landscape / Visual Mitigation Measure
OM2	Green Roofs and Vertical Greening

Figure C4.22 - Section and Details: Green Roofs



A KEY PROFILE SECTION (GREEN ROOF)
NTS

⑥ DRAINAGE SYSTEM REFER TO ENGINEER'S DRAWING.

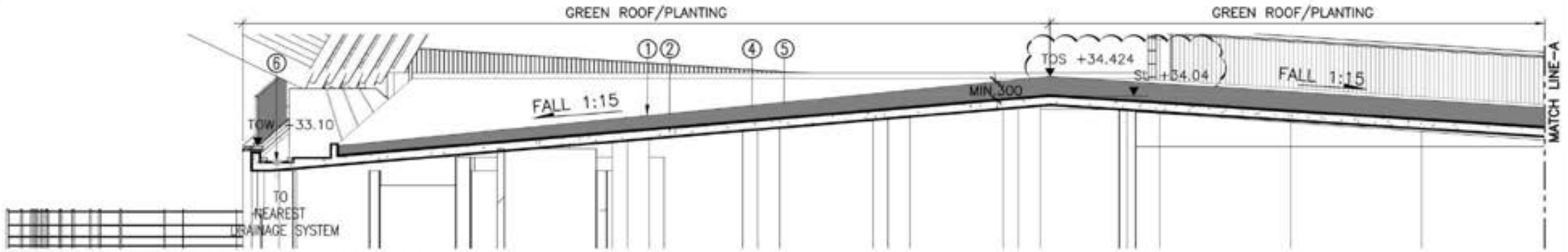
① PLANTING SOIL MIX AS SPECIFIED

② R.C. STRUCTURE TO ENGINEER'S DETAIL

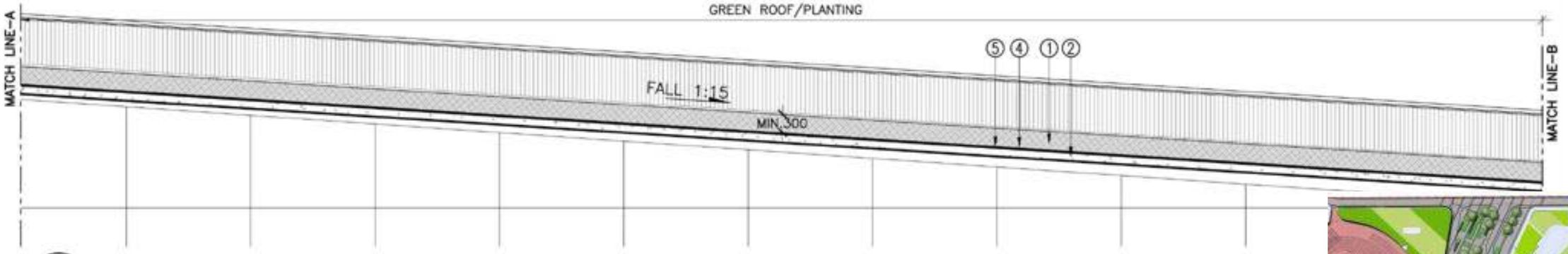
③ MIN. 25mm THK. C/S SCREEDING

④ DRAINAGE CELL LAYER TO SPECIALIST'S DETAIL

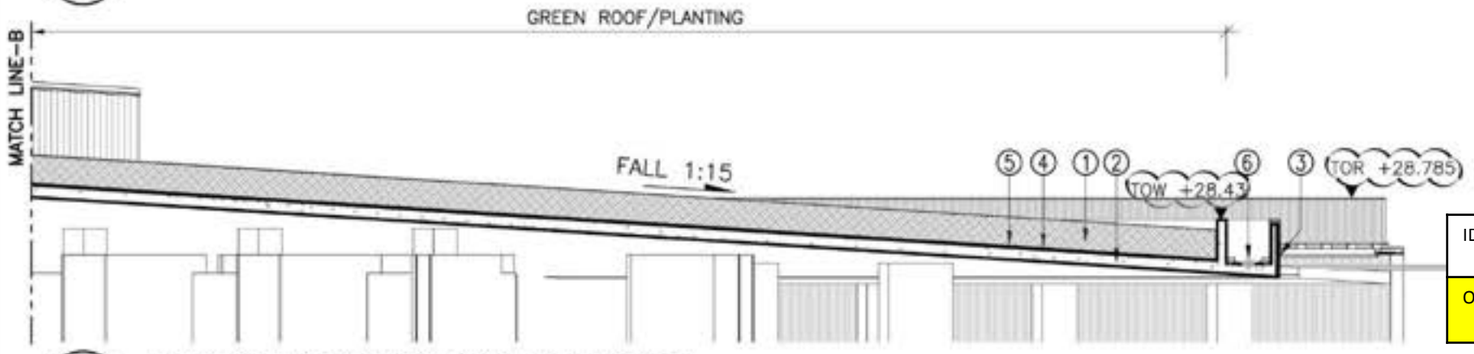
⑤ WATERPROOFING MEMBRANE TO ARCHITECT'S SPECIFICATION



B PROFILE SECTION (GREEN ROOF)
SCALE: 1:100



C PROFILE SECTION (GREEN ROOF)
SCALE: 1:100



D PROFILE SECTION (GREEN ROOF)
SCALE: 1:100

ID NO.	Landscape / Visual Mitigation Measure
OM2	Green Roofs and Vertical Greening

Key Plan

Figure C4.23 - Section and Details: Green Roofs

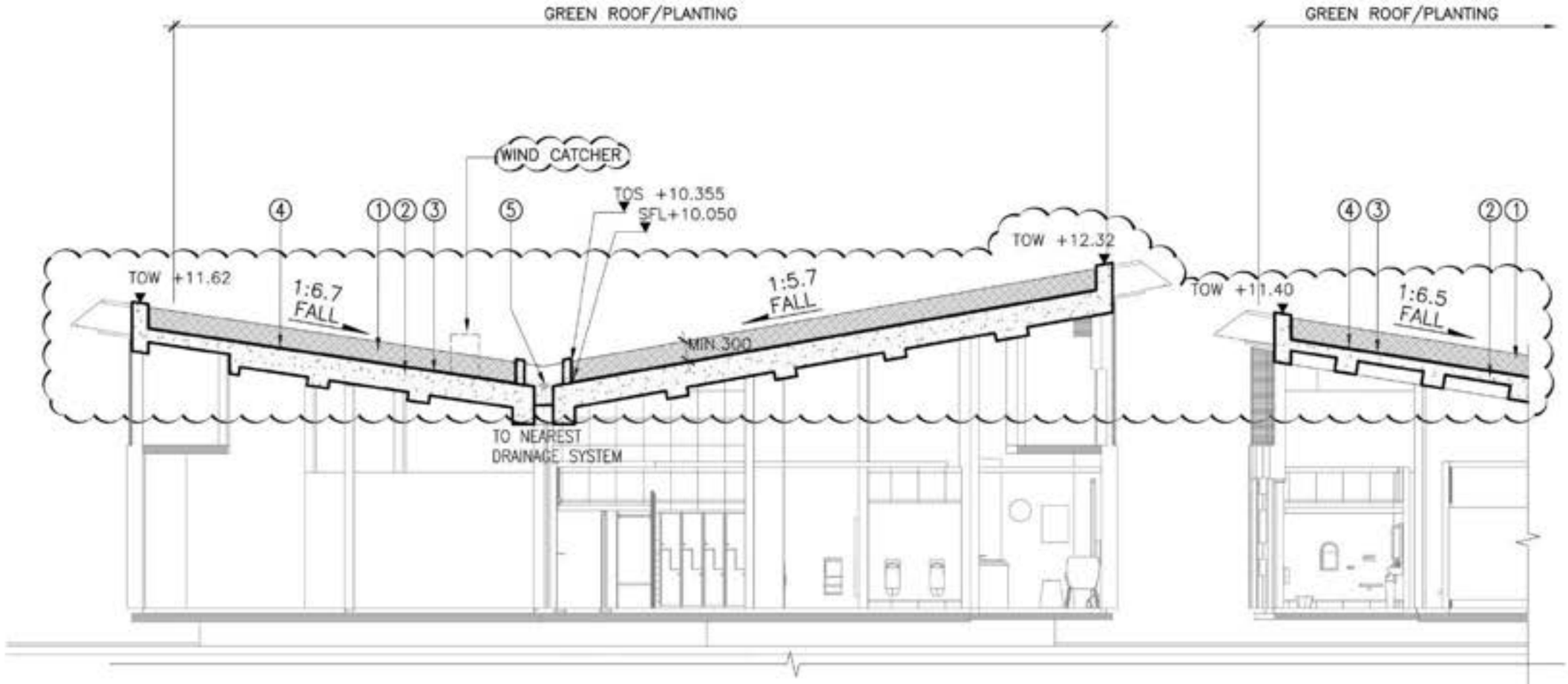
① PLANTING SOIL MIX AS SPECIFIED

② R.C. STRUCTURE TO ENGINEER'S DETAIL

③ WATERPROOFING MEMBRANE TO ARCHITECT'S SPECIFICATION

④ DRAINAGE LAYER TO SPECIALIST'S DETAIL

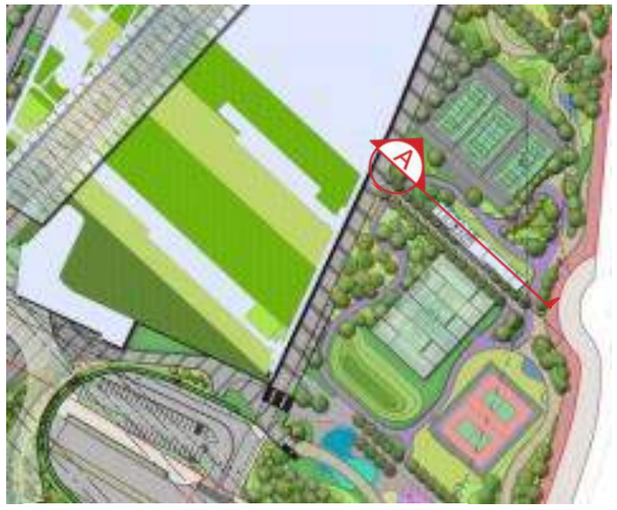
⑤ DRAINAGE SYSTEM REFER TO ENGINEER'S DRAWING



A PROFILE SECTION (GREEN ROOF)
SCALE: 100

SL SLAB LEVEL
TOS TOP OF SOIL

ID NO.	Landscape / Visual Mitigation Measure
OM2	Green Roofs and Vertical Greening



Key Plan

Figure C4.24 - Section and Details: Green Roofs

Appendix G

Supplementary design information for Chromatic Effect

ID NO.	Landscape / Visual Mitigation Measure
OM4	Responsive Building Design

)

Appendix G -Supplementary design information for Chromatic Effect

- The selection and implementation of materiality across the Kai Tak Sports Park has been strategically considered and carefully selected to create a location for the people of Hong Kong, which celebrates its location, while drawing on its history and surrounding context. The material palette references the neighbouring community and the wider Kowloon Bay and Hong Kong area, through the choice of robust materials that create a canvas for the cities activities to be created upon. The selective use of colour engages visitors, creating a playful and vibrant precinct where visitors wish to take part and linger, maximising their time at the park and returning frequently

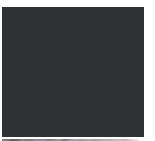
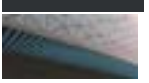
- The façade materials of all facades and the roof areas have been carefully selected to reduce any glare to surrounding areas. The northern half of the site features significant green roof space which provides a visually appealing outlook from any buildings overlooking the site. The Main Stadiums metal cladding has been selected to minimise reflection while also shift its colour to respond to the light conditions throughout the day. This creates an exciting building façade that transforms throughout the way, while avoiding any unwanted impact to surrounding buildings.

ARUP Ove Arup & Partners Hong Kong Ltd.
Building Envelope and Materials

SR Value= Solar Reflectivity
LR Value= Low-Refraction
U-Value
SC
VLT

Job No. 266006-SS
Job Title: KAI TAK SPORTS PARK | MS FAÇADE SAMPLE SCHEDULE FOR 2nd AIP
Last update: 23-Jan-2020

MS façade | Cladding, Steelframework and Aluminum

Building	Type	System	Material	Product code no.	Colour/ Finish	Gloss Level	SR Value	LR Value	Paint	Photo
MS	Rainscreen	ECM-01	Aluminum Panel	39KA0008	Purple Shimmer Kameleon	25.7			Coil Coat	
MS	Rainscreen	ECM-01	Aluminum Panel	43KZ0257	L/S Dark Purple Shimmer 1 Kameleon	max 10 @ 60/85	0.197	23	Coil Coat	
MS	Rainscreen	ECM-01	Aluminum Panel	43KZ0258	L/S Dark Purple Shimmer 2 Kameleon	max 10 @ 60/85	0.22	22	Coil Coat	
MS	Rainscreen	ECM-01	Aluminum Panel	KKP18235	Purple Shimmer	25.7			PVDF 3-Coat	
MS	Rainscreen	ECM-01	Aluminum Panel	43KZ0257	L/S Dark Purple Shimmer 1 Kameleon	max 10 @ 60/85	0.197	23	PVDF 3-Coat / Spray Paint	 
MS	Rainscreen	ECM-01	Aluminum Panel	43KZ0258	L/S Dark Purple Shimmer 2 Kameleon	max 10 @ 60/85	0.22	22	PVDF 3-Coat / Spray Paint	 
MS	Steel framework		Steel						Hot dip galvanised steel Painted	
MS	Façade members -mullion, transom		Aluminum Extrusion		RAL-7021_ Grey Black				PVDF 3-Coat	
MS	Façade members -mullion, transom		Aluminum Extrusion		RAL-7021 Grey Black				PVDF 3-Coat	
MS	Façade Exhaust Louver	EWL-02	Aluminum double bank Horizontal Louver		RAL-7021 Grey Black				PVDF 3-Coat	 
MS	Ext Envelope Soffit	ECM-03	Aluminum Soffit Battens	KKP19389	RAL-5015 Sky Blue (Oedering colour sample)	20.8			PVDF 3-Coat	 

MS façade | Glazing

Building	Type	System	Material	Location	Colour/ Finish	U-Value	SC	VLT	Build-up (AIP1)	Photo
MS	Glass	EWG-01	Laminated IGU	Typical glzed façade @ East, South, West and North	Dichroic Glass Tinting _Purple colour	1.7	0.8	60%	12mm FT +1.52mmSGP +12mm FT +12mmAIR +12mm FT + 1.52mmSGP +12mm FT (Low-e coating on surface #4,)	
MS	Glass	EWG-02 A & B	Laminated IGU	Entry podium façade (From L02 to 5m)	Clear	1.7	0.8	60%	8mm HS +1.52mmPVB +8mm HS +12mmAir +10mm FT (Low-e coating on surface #2, Clear Glass)	
MS	Glass	EWG-02	Laminated IGU	Entry podium façade (From 5m above L02 to L03 and L04)	Clear	1.7	0.8	60%	8mm HS +1.52mmPVB +8mm HS + 12mmAir + 8mm HS +1.52mmPVB +8mm HS (Low-e coating on surface #4, Clear Glass)	
MS	Glass	EWG-02	Laminated Glass	Doors	Clear	1.7	0.8	60%	8mm FT +1.52mmPVB + 8mm FT	
MS	Glass	EWG-11 / 11A	Laminated IGU	North-West Entrance "Pavilion"/ Entry Glass Box	Clear/ Clear Curved	1.7	0.8	60%	8mm HS +1.52mmPVB +8mm HS + 12mmAir + 8mm HS +1.52mmPVB +8mm HS (Low-e coating on surface #4)	
MS	Glass	EWG-11	Laminated IGU	North-West Entrance "Pavilion"/ Entry Glass Box	Dichroic Glass Tinting _Purple colour	1.7	0.8	60%	8mm HS +1.52mmPVB +8mm HS + 12mmAir + 8mm HS +1.52mmPVB +8mm HS (Low-e coating on surface #4)	

Build-up **(Updated on AIP2)**	
8mm H.S. + 2.28mmPVB +8mm H.S. + 12mmAir + 8mm H.S. + 2.28mmPVB +8mm H.S. (Low-e coating on surface #4, Dichroic glass) U-Value: 1.7	Samples of the updated build-ups to be provided later (ongoing procurement)
10mm F.T. + 12mmAir + 10mm F.T. (Low-e coating on surface #2, Clear Glass) U-Value: 3	
8mm H.S. + 1.52mmPVB +8mm H.S. + 12mmAir + 10mm F.T. (Low-e coating on surface #4, Clear Glass) U-Value: 3	
8mm FT +1.52mmPVB + 8mm FT U-Value: 1.7	
8mm H.S.+1.52PVB+8mm H.S. + 12mmAir + 10 F.T.+1.52PVB+10 F.T. (Low-e coating on surface #4) U-Value: 3	
8mm H.S.+1.52PVB+8mm H.S. + 12mmAir + 10 F.T.+1.52PVB+10 F.T. (Low-e coating on surface #4, Dichroric glass) U-Value: 3	

MS façade | Lighting and others

Building	Type	System	Product	Product code no.	Size	Nos/Qyt				Photo
MS	Lighting		LED Point Light	Dot L RGBW 3W	Ø 65mm	7392 nos.				
MS	Lighting		Signify Linear Wall Washing luminaire	UniStrip G4 BCP380 1M RGBW	L1000mm*W38mm* H90mm(with frame) 47mm(without frame)	825m				

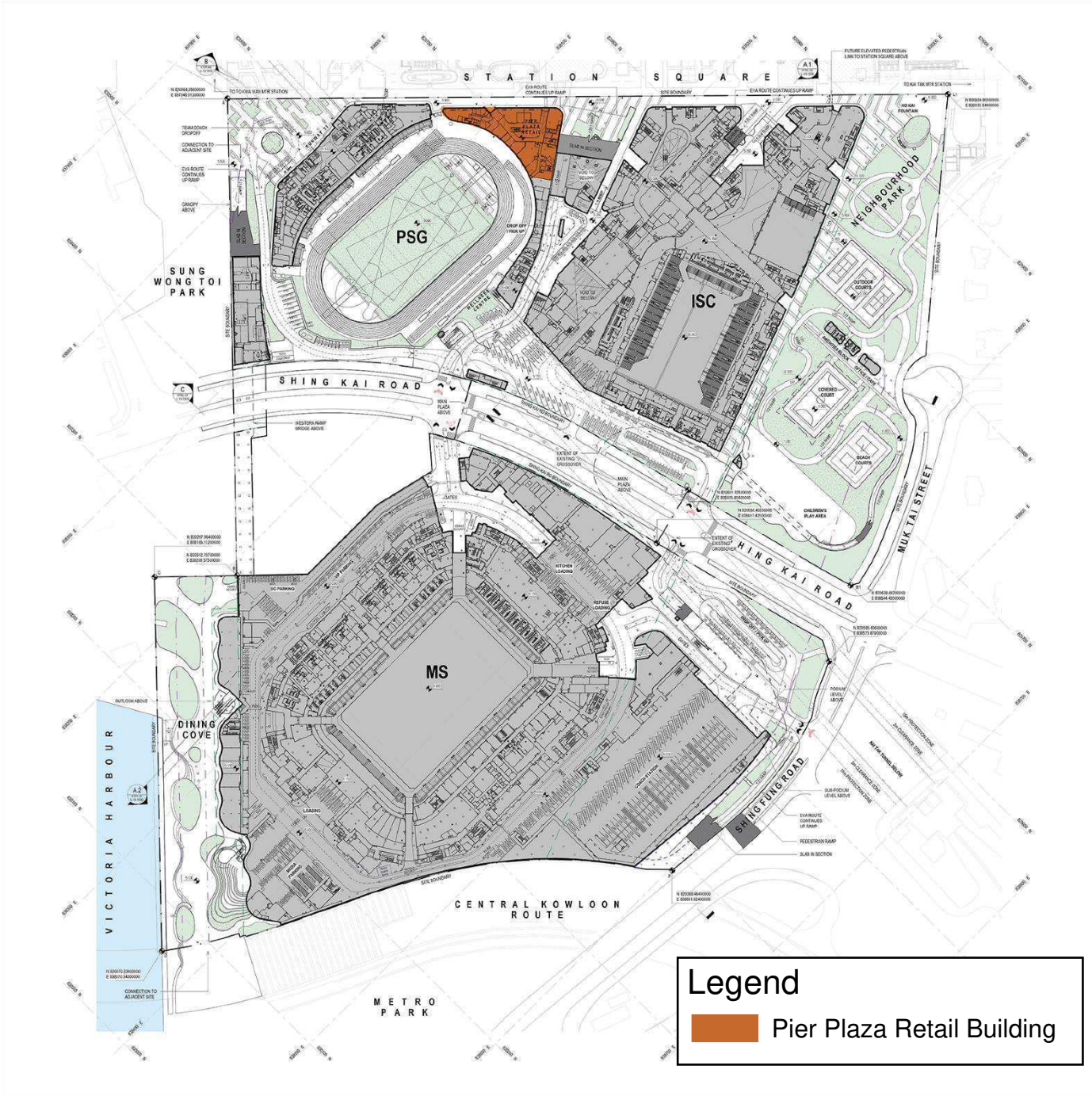
(SAMPLE TO BE ARRIVED IN MID OF OCTOBER)

Appendix H

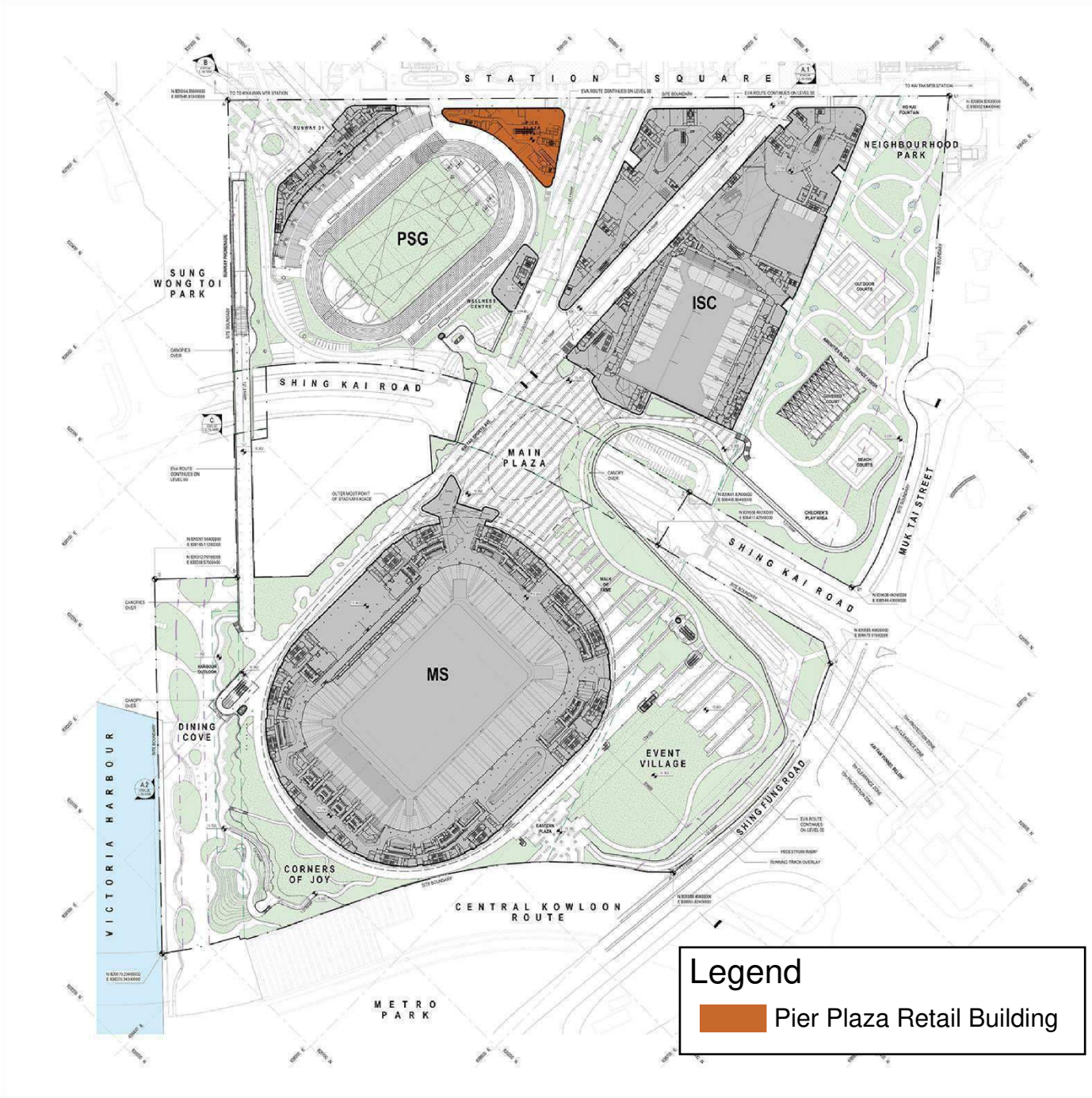
Demarcation of the Pier Plaza Retail Building

ID NO.	Landscape / Visual Mitigation Measure
OM4	Responsive Building Design

PPR LEVEL 00 DEMARCATION PLAN



PPR LEVEL 02 DEMARCATION PLAN



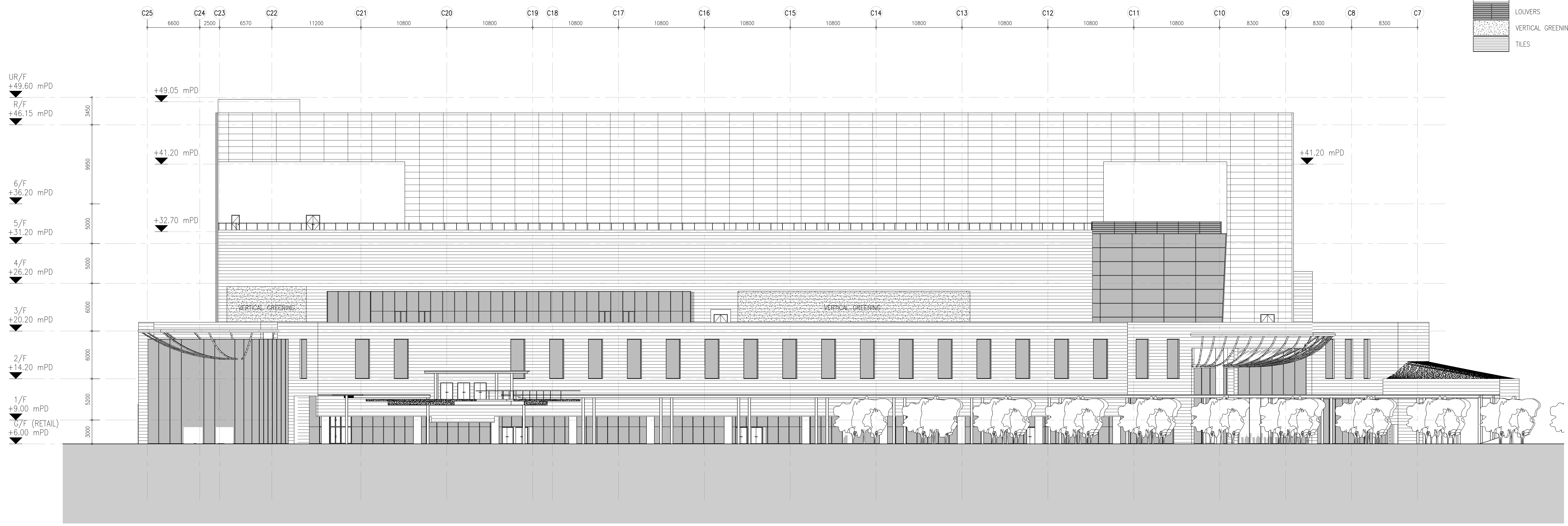
Appendix I

Differences in sections of the Indoor Sports Centre

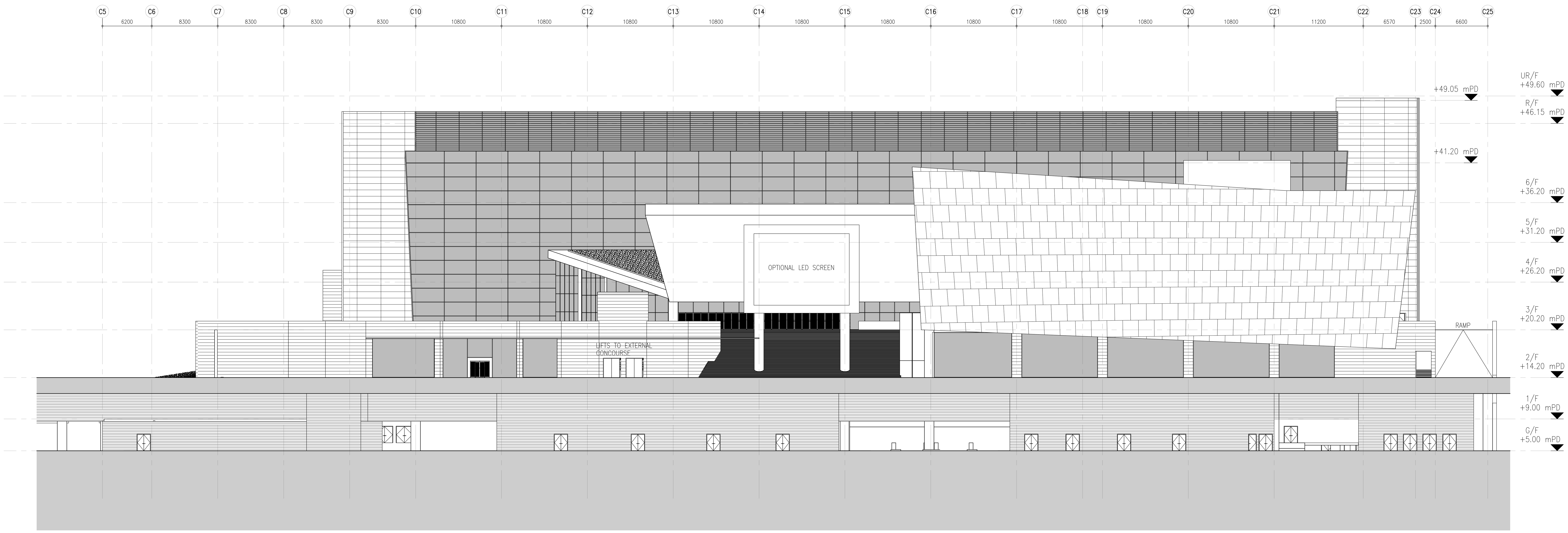
ID NO.	Landscape / Visual Mitigation Measure
OM4	Responsive Building Design

MATERIAL LEGEND

- GLAZING / CURTAIN WALL
- POWDER COATED METAL CLADDING TYPE 1
- POWDER COATED METAL CLADDING TYPE 2
- POWDER COATED METAL CLADDING TYPE 3
- LOUVERS
- VERTICAL GREENING
- TILES



NORTH WEST ELEVATION
1 : 200



SOUTH EAST ELEVATION
1 : 200

25 m 0 50 m

F.S.D. ref. :
D.L.O. ref. :

Notes :
1. DO NOT SCALE DRAWING. ALL DIMENSIONS SHOULD BE CHECKED ON SITE.

Reference Drawings :

REV	DESCRIPTION	DATE	CHECKED

Client :
HOME AFFAIRS BUREAU
The Government of Hong Kong Special Administrative Region

Lead Consultant & Architect :
LEIGH & ORANGE LTD.
T 852 2899 9000
F 852 2806 0343
E info@leighorange.com

Stadium, Sports & Arena Design Specialist Sub-Consultant :
JACKSON ARCHITECTURE
DARYL JACKSON PTY LTD
L2/35 LITTLE BOURKE STREET
MELBOURNE VIC 3000
T: + 613 9662 3022 F: +613 9662 5239
info@jacksonarchitecture.com.au
www.jacksonarchitecture.com.au
ABN: 90 005 012 395
MELBOURNE Canberra Sydney Brisbane London

Civil, Structural & Geotechnical Sub-Consultant :
WSP | PARSONS BRINCKERHOFF

Building Services Sub-Consultant :
WSP | PARSONS BRINCKERHOFF

Traffic & Crowd Movement Specialist Sub-Consultant :
WSP | PARSONS BRINCKERHOFF

Fire Engineering, Sustainability, Environmental Specialist Sub-Consultant :
WSP | PARSONS BRINCKERHOFF

ICT & Acoustics Sub-Consultant :
SM&W

Landscape + Turf Specialist Sub-Consultant :
Urbis

Retractable Roof Specialist Sub-Consultant :
sbp schlaich bergermann partner

Specialist, Architectural & Decorative Lighting Specialist Sub-Consultant :
WEBB

Facade Design Specialist Sub-Consultant :

Catering Equipment Specialist Sub-Consultant :

Security Strategy Specialist Sub-Consultant :
jba consulting engineers

Universal Design Accessibility Specialist Sub-Consultant :
UDA

Way Finding & Signage Specialist Sub-Consultant :
Atelier Pacific

SRM & CDM Specialist Sub-Consultant :
BMT Asia Pacific

Project :
Consultancy Agreement No. 9OD 113
Consultancy Agreement for Providing Technical Services for the Development of the Kai Tak Multi-purpose Sports Complex

Reference Design Drawing
Dated 04/11/2016

Drawing Title :
INDOOR SPORTS CENTRE BUILDING ELEVATIONS SHEET 2

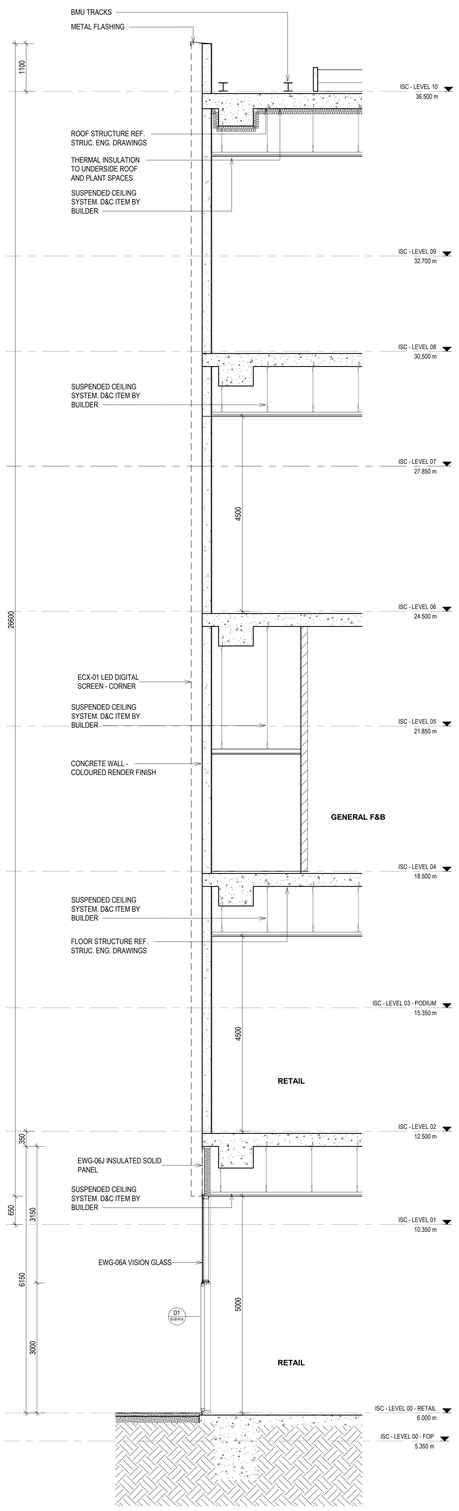
Designed By:-	Drawn By:-
DS/CW/YS	AD
Date:- 31/05/16	Approved:- AL

CAD REF:- IC000GP202.dwg

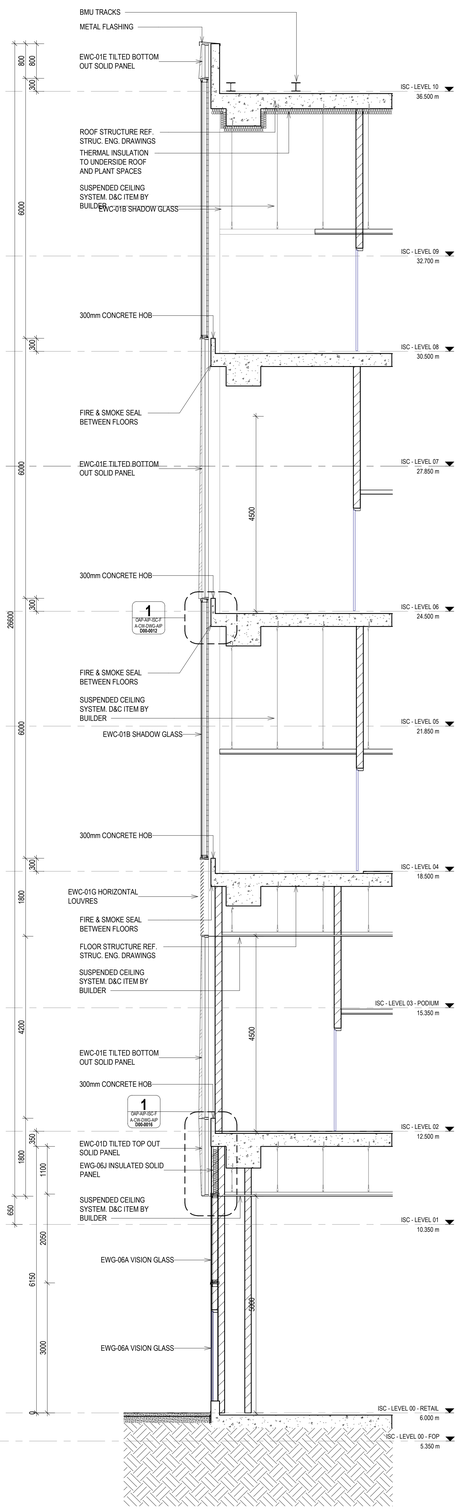
Scale:- 1 : 200 = A0

Drawing No:- IC000/GP202

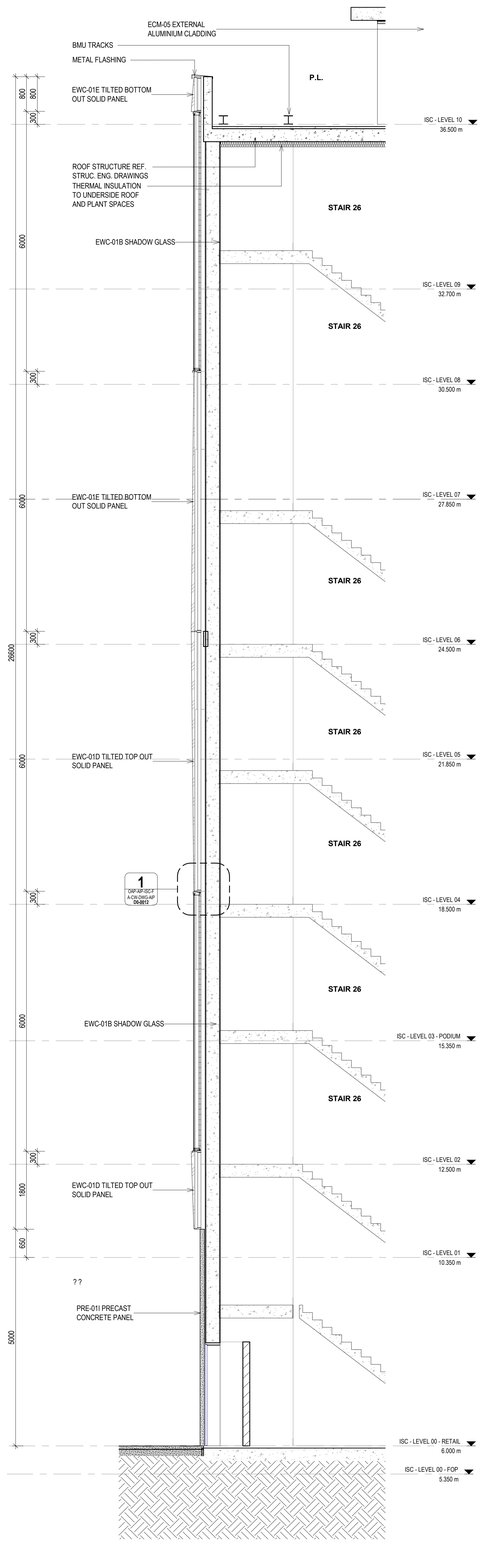
Job No.:-	Drawing Status:-	Rev.
15112	Work Stage 1	



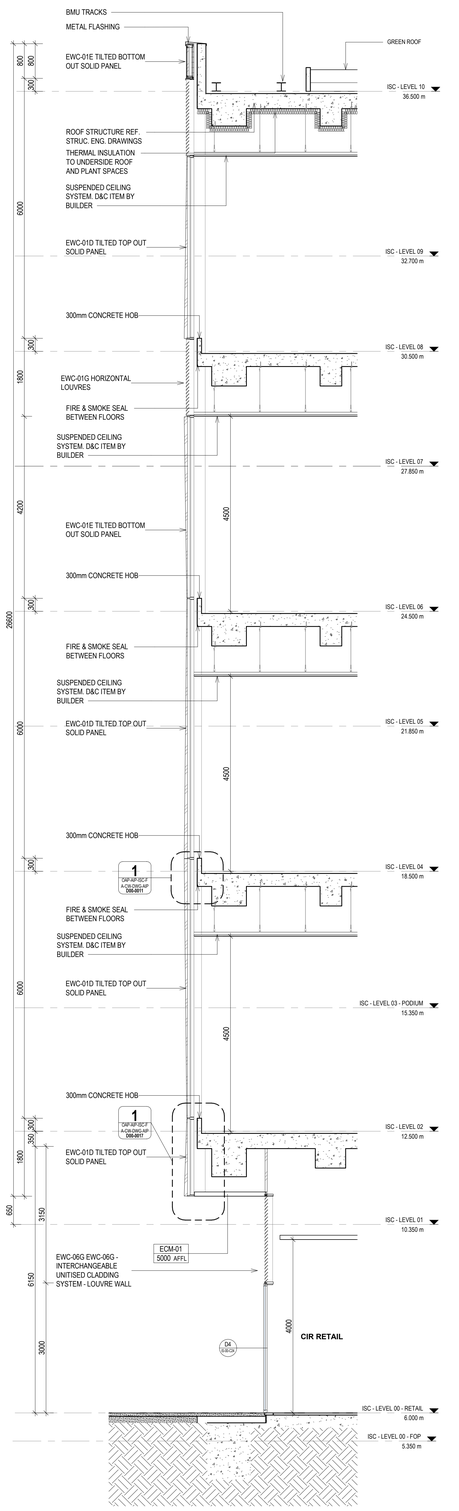
1 ISC NORTH FACADE - SECTION 4
1 : 50



2 ISC NORTH FACADE - SECTION 5
1 : 50



3 ISC NORTH FACADE - SECTION 6
1 : 50



4 ISC NORTH FACADE - SECTION 7
1 : 50

NORTH

FILE REF :

DO NOT SCALE DRAWING. CHECK ALL MEASUREMENT ON SITE.
ALL RIGHTS RESERVED.

REFERENCE MAP :

NORTH

AIP - COMPLETED BY SO / SOR

( ) AIP CONSENT TO PROCEED WITH DETAILED DESIGN
* [WITH / WITHOUT] CONDITIONS

( ) DDA IS GIVEN *[WITH / WITHOUT] CONDITIONS

* DELETE AS APPROPRIATE

FOR AND ON BEHALF OF THE SUPERVISING OFFICER

SIGN:

NAME:

POST:

DATE:

EMPLOYER :

HOME AFFAIRS BUREAU
The Government of The Hong Kong Special Administrative Region

CONTRACTED PARTY :

KAI TAK SPORTS PARK LIMITED

FIRST TIER SUB-CONTRACTOR - DESIGN AND BUILD :

HIPHING ENGINEERING CO LTD

FIRST TIER SUB-CONTRACTOR - OPERATE :

SMG

KEY DESIGN PERSONNEL FOR ARCHITECTURAL WORKS :

POPULOUS

ARCHITECTURAL DESIGNER / AUTHORIZED PERSON :

SKA

STRUCTURAL DESIGNER / STRUCTURAL STEELWORKS DESIGNER / GEOTECHNICAL DESIGNER / STRUCTURABLE ROOF SPECIALIST / BUILDING SERVICES DESIGNER / ICT DESIGNER / ACOUSTIC SPECIALIST / TRAFFIC DESIGNER / FIRE ENGINEERING SPECIALIST / FAÇADE SPECIALIST / SPECIALIST LIGHTING DESIGNER / SECURITY SYSTEM SPECIALIST / SUSTAINABILITY DESIGNER :

ARUP

LANDSCAPE DESIGNER / REGISTERED LANDSCAPE ARCHITECT :

ADI

TURF EXPERT :

STRI

SPORTS DEVELOPMENT / COMMERCIAL SALES CONSULTANT :

Lagardère SPORTS

AIP SUBMISSION

ACCORDING TO THE ER: KEY DESIGN PERSONNEL FOR ARCHITECTURAL WORKS:

SIGN:

NAME: PAUL HENRY DATE: 14.11.2019

POST: MANAGING DIRECTOR
POPULOUS LTD.

ACCORDING TO THE ER: DESIGNER FOR ARCHITECTURAL WORKS (SPORTS) (ARCHITECTURAL DESIGNER):

SIGN:

NAME: SIMON S.M. KWAN DATE:

POST: REGISTERED ARCHITECT, AUTHORIZED PERSON
SIMON KWAN & ASSOCIATES LTD.

ACCORDING TO THE ER: DESIGNER FOR ARCHITECTURAL WORKS (RETAIL) (RETAIL DESIGNER):

SIGN:

NAME: KENNETH C.Y. KAN DATE:

POST: REGISTERED ARCHITECT, AUTHORIZED PERSON
SIMON KWAN & ASSOCIATES LTD.

ACCORDING TO THE ER: ARCHITECTURAL DESIGN CHECKER:

SIGN:

NAME: JOEL C.S. CHAN DATE:

POST: REGISTERED ARCHITECT, AUTHORIZED PERSON
P&T ARCHITECTS AND ENGINEERS LIMITED

CONTRACTED PARTY:

SIGN:

NAME: SIMON LEE DATE:

POST: DIRECTOR (DESIGN MANAGEMENT)
KAI TAK SPORTS PARK LIMITED

REV	DESCRIPTION	DATE
1	ISSUED FOR INFORMATION/COORDINATION	23.08.2019
2	ISSUED FOR INFORMATION/COORDINATION	30.08.2019
3	ISSUED FOR INFORMATION/COORDINATION	06.09.2019
4	ISSUED FOR FACADE IDC REVIEW	19.09.2019
5	ENVELOPE - AIP1 ISSUE	14.11.2019

PROJECT

DESIGN, CONSTRUCTION AND OPERATION OF THE KAI TAK SPORTS PARK
CONTRACT NO. HAB/KTSP/01
PROGRAMME NO. 3272RS

SHEET TITLE

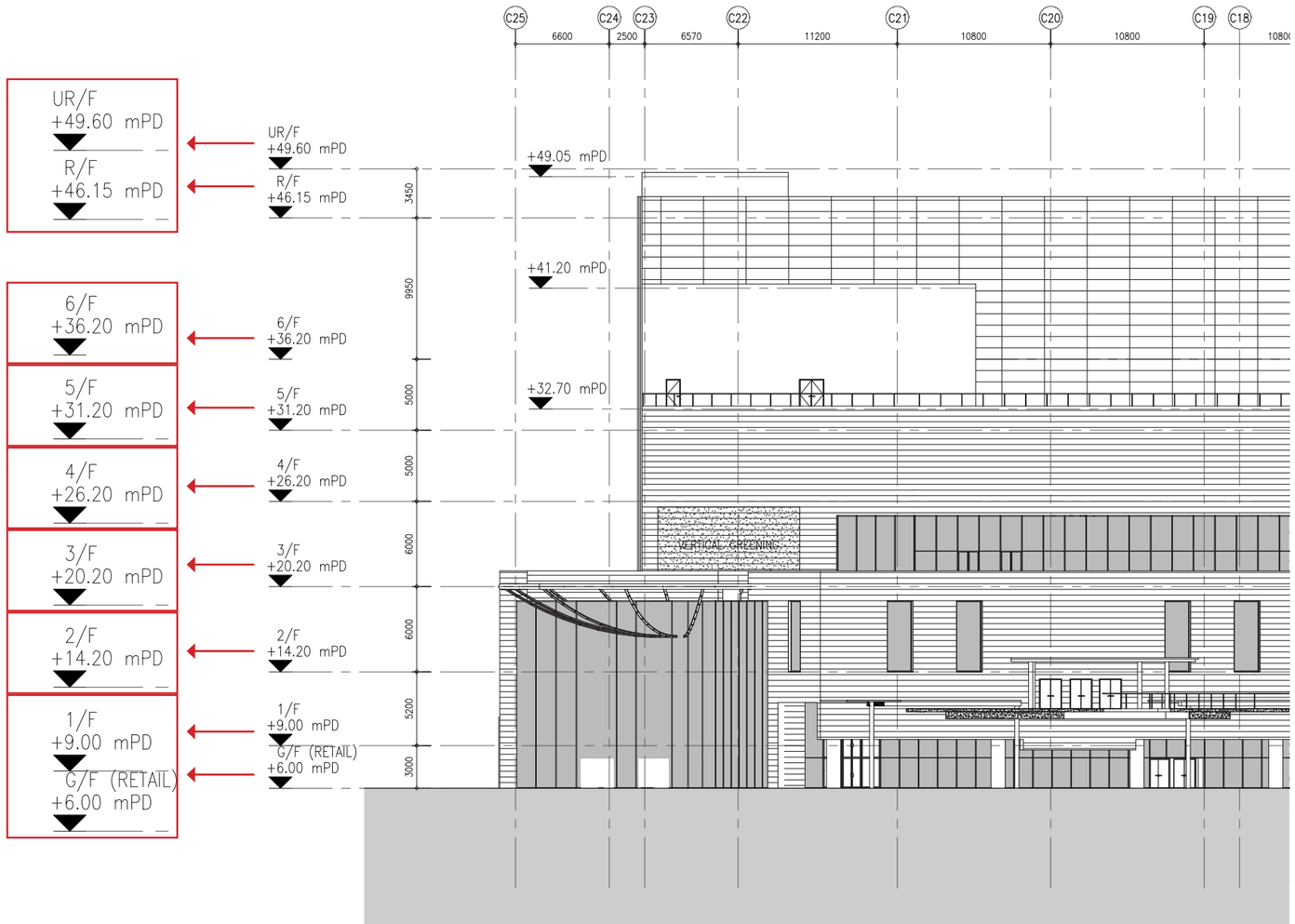
INDOOR SPORTS CENTRE

NORTH FACADE SECTIONS - SHEET 2

COORDINATED	REVIEWED
SCALE - 100% @ A0 1 : 50	APPROVED
DRAWING NUMBER KTSPL-AR-A-41-0005	REVISION 5

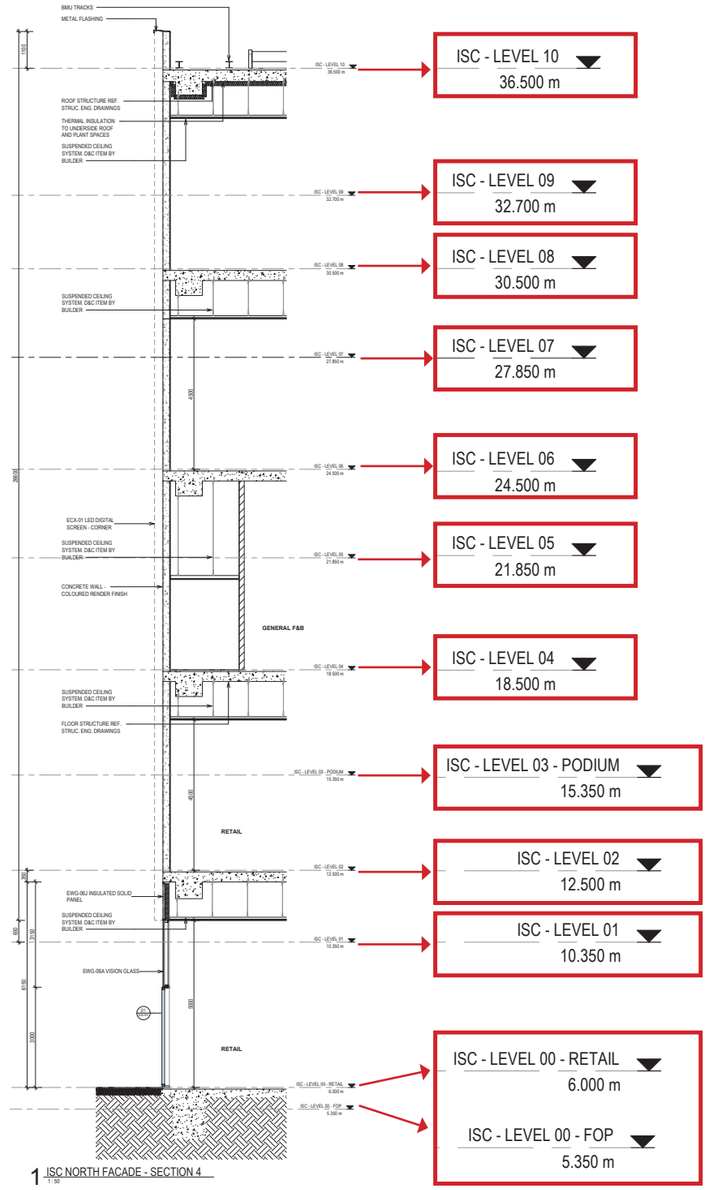
ORIGINAL SHEET SIZE A0 - 1189 x 841mm

PREVIOUS SCHEME - HEIGHTS SHOWN



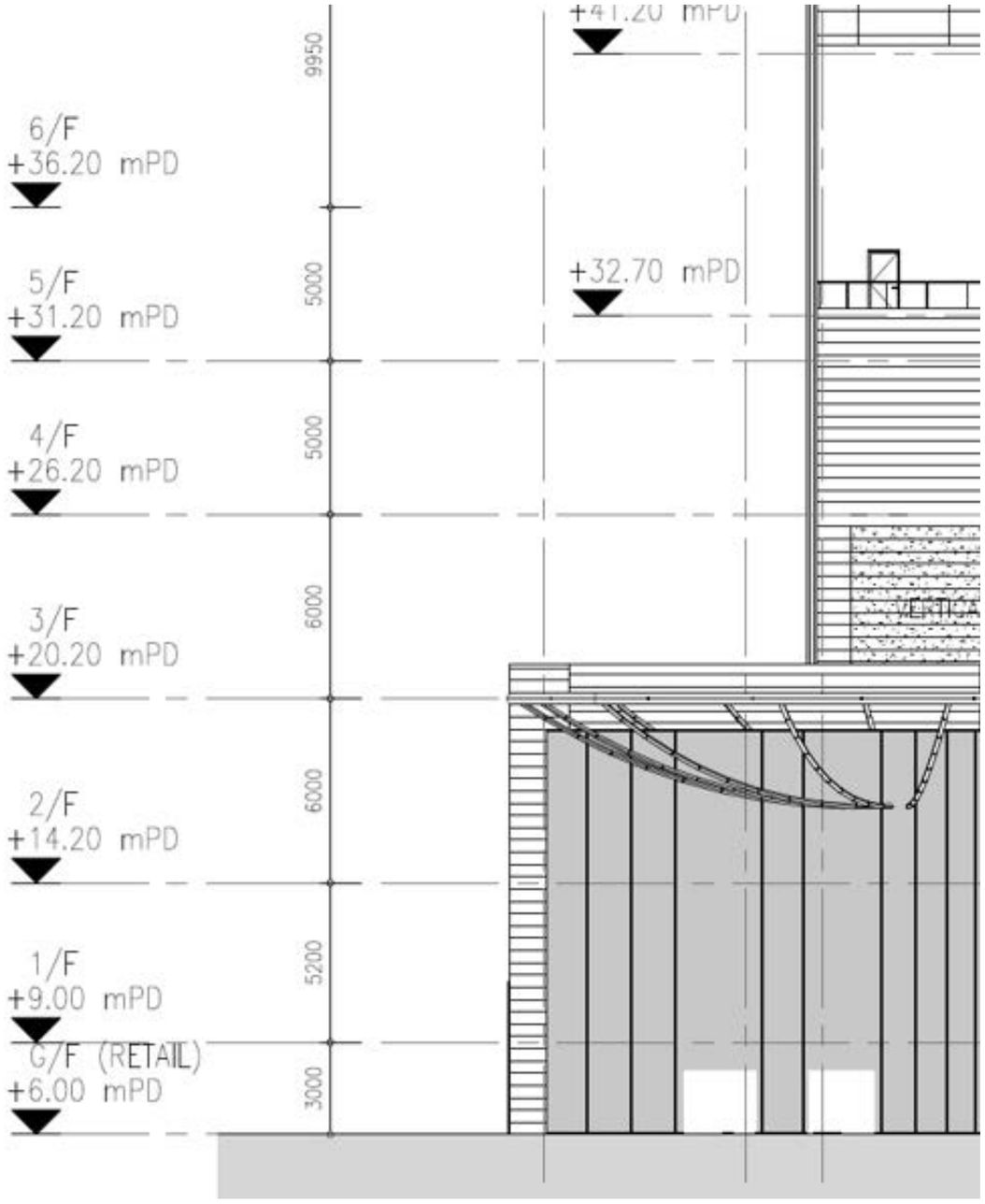
2 NORTH WEST ELEVATION
1 : 200

CURRENT SCHEME - HEIGHTS SHOWN

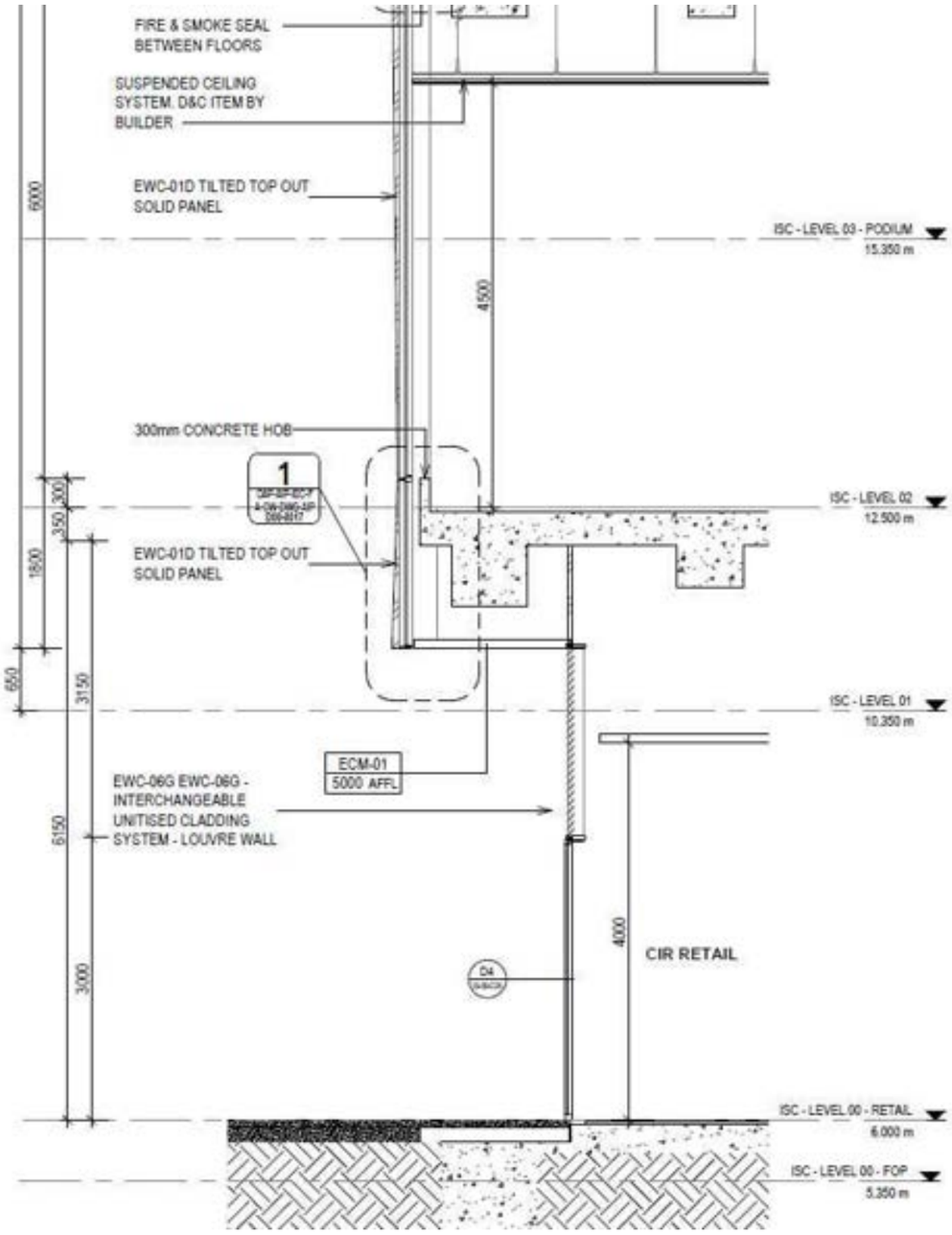


1 ISC NORTH FACADE - SECTION 4
1 : 50

ISC SECTION FROM PREVIOUS SCHEME



ISC SECTION FROM CURRENT SCHEME



Appendix J

Supplementary design information for Lighting

ID NO.	Landscape / Visual Mitigation Measure
OM9	Bespoke Amenity Area Lighting

Appendix H -Supplementary design information for Lighting

- In order to create a unique visual character for the park, the lighting design aims to create a joyful, exciting and aesthetically pleasing atmosphere after dark yet enables visitors to safely navigate all routes and open spaces. The lighting also aims to enhance the atmosphere of various events when they take place. From Sports Avenue to the park, down to individual venues such as the Main Stadium, Indoor Sports Centre, Public Sports Ground, the lighting design connects the landscape to the facade to guide visitors into venues.

- The lighting strategy is neighbourhood-friendly and inviting. It aims to create a lively environment for visitors. To address the issues of light pollution and minimise disturbance to the neighbouring surroundings, antiglare fixtures with controlled beam angles, additional control methods such as dimming, scene settings during non-festive season, curfew and pre-curvier settings interfaced with the building management system would also help to control the extent of light pollution.

Facade Lighting Strategy

- The overall light strategy relies on different layers, including thematic event lighting across the precinct (facades, canopy soffits, …) and different lighting strategies for different areas. As a new, modern and prominent sports precinct located at Victoria Harbour, it is crucial to create a remarkable overall lighting scenery from day to night. All venues would have visual connection between each other through facade lighting element. Also, through lighting visibility study, all venues will be zoned and dimmable to create diverse facade lighting layers to draw people's attention from different views.

Night Time

- During Night-time, the façades can be illuminated by point LED source to create a spectacular urban landscape. Different programmable colours can be easily selected on a custom touch screen in the control room to create a very delicate and softer movement, different from event days. All of these movements will not easily be recognized by visitors unless they are close to the venues. The whole Kai Tak Sports Park's lighting atmosphere would be in unity.

- Specifically designed lighting equipment that minimises the upward spread of light near to and above the horizontal are selected.

- All the fixtures location are chosen and the location are selected to reduce glare effect, such as avoid illuminance direct spill to the glass material or metal material. Each street light and pedant light would control reflectance through design phase.

- Glare free pedant lights will be provided and mounted on the architectural structures. Illumination surface completely directs downwards to the task area could minimise spill light and sky glow. Lighting fixtures accessories such as glass lenses, filters, protective covers, anti-glare louvres and cowls are introduced to ensure the lighting sustainability and further reduce light pollution.

- According to above fixtures mounting height and direction design and follow lower lux level required through criteria, there has minimised visual impact from glare and all the lighting quality is good for environmental friendly and energy utilisation.

- High-efficiency lighting system i.e. LEDs will be applied to the KTSP design. Through the use of the latest LED technology and lighting controls systems, reducing energy consumption as well as maintenance requirements helps facilities operate with a lower total cost of ownership. With LED lighting technology continually developing and improving in both efficiency and life, maintenance of lighting is being reduced. Energy efficient smart controls contribute to greater maintenance reporting and information, while user-friendly controls and keypads make interacting with the lighting easier than ever. Combining the efficiency and performance of LED technology with carefully applied daylighting design can lead to substantial energy savings.

LED Downlight	LED Strip	L3 LED Linear
L5 LED Pendant Light	L7 LED Surface Linear	L6 Waterproof Downlight

Examples of high-efficiency lighting system incorporated in the KTSP design

Other Considerations to mitigate the Potential Glare Impacts

Responsive Lighting Design and Disposition

- The external landscape lighting design will be carried out by making reference to (1)Lighting Guide 4: Sports Lighting, Chartered Institution of Building Services Engineers; (2) BS EN 12193:2007 Light and Lighting–Sports Lighting, British Standards Institution and (3) Guidance Notes for the Reduction of Obtrusive Light, The Institution of Lighting Professionals as recommended in the Building Services Branch Circular No. 10 of 2011 by Architectural Services Department - Design Considerations for Outdoor Sports Venues Lighting and other relevant international standards for areas applicable to the MPSC project. Those lighting fittings will be selected for design reference after taking account of their functional performance in respect of colour temperature, average luminance etc. and their titling angles adjustable in order to beam light towards the targeted horizontal planes to be illuminated and spillage can be eliminated effectively

- In order to minimise glare impact at the observer, the detailed lighting design for MPSC will select luminaries and fittings type to minimise direct view of the light source (from the sides) to control glare impact on nearby visual sensitive receiver locations. Light fittings will be designed to restrict side dispersion and hence reduce the glare impact on the VSR.

- In addition, a strategy of using lamp posts of lower height and with less interval spacing will help to reduce the lighting output from each lamp while maintaining the minimum luminance requirement for the open space. A lowering of the lighting output (i.e. luminous flux) will also help to reduce the glare impact on the observer.

- All proposed hard structures will be sensitively designed in a manner that responds to the existing and planned landscape context, and minimises potential adverse glare impacts. The structural design will seek to reduce the apparent visual mass through the use of natural materials such as wooden frame and semi-transparent panels. Subdued tones will be considered for the colour palette with non-reflective finishes to reduce glare effect.

- With tree planting within the MPSC, glare impact will be reduced due to reducing the direct sight of the luminaries.

Operating Hours for Lighting

- In respect of operating hours for lighting, limiting the use of external lighting after a specified time at night could reduce the possibility of light nuisance and energy consumption and in turn foster a good living environment for

everyone. The following measures will be considered:

1. Switch off the external lighting when not needed or after business hours.
2. Switch off the external lighting after certain time at night (After 11p.m. as recommended by International Commission on Illumination (CIE)).
3. Maintain only essential lighting (e.g. lighting for safety and security) at the acceptable level as required.
4. Feature lighting serve to enhance a particular feature/building/structure may be subject to even more stringent control as to their lit time.

Automatic Controls for Lighting

- Automatic controls could help reduce adverse impacts of external lighting by optimising the use of the external lighting. Examples of such measures will include:
  1. Incorporate automatic control (e.g. timer switch) to switch off the external lighting when not needed or after business hours, or when concerned premises are not in use, or after certain time at night (11p.m. as recommended by CIE).
  2. Incorporate automatic control (e.g. photo-sensor for maximising daylight utilisation) to switch on the external lighting only when necessary.
  3. Incorporate occupancy sensor control (e.g. motion sensor or passive infrared sensor) to switch on the external lighting from off or dimmed state where applicable.

Light Nuisance Control Measures

- Measures to reduce light nuisance impacts (e.g. light overspill, light trespass, glare and sky glow) arising from external lighting will include:
  1. Avoid over-illumination of signs, facades, shop fronts, video walls and facilities with lighting. Over-illumination will increase possibility of light nuisance.
  2. Position and aim the lighting properly to avoid overspill of light to outside the area being lit up.
  3. For lighting up vertical structures (e.g. signs & façade), direct the beam to the structures and avoid overspill of light.
  4. Use lighting with appropriate shields, baffles, louvers and cut-off features to prevent light overspill to nearby residence and into the sky, and glare from the light source. Where necessary, consider to use luminaires with appropriate cut-off classification. To avoid imposing additional wind load which will affect the structure of the existing lighting columns and foundation, please consult relevant professionals in the design of shields, baffles, louvers, etc. for retrofit works.
  5. Switch off the lighting when it is not operationally required or dim down the lighting when a high illumination level is not essential (e.g. after business hours and where the lighting devices are not for security purposes).
  6. Avoid using video walls or signs with flickering, colour changing or movement effect in cases where the video walls or signs are facing directly at residents (e.g. when the lighting device and residential premises are on the opposite sides of a road or street). Where unavoidable, reduce the video wall or sign illuminance, the period of operation and/or the flickering rate.
- For signs with light emitting diodes (LEDs), use suitable type of LEDs (e.g. LEDs with baffles, louvres or optic diffusers to control light distribution) to reduce sign luminance and light overspill and to prevent glare from direct view of the light source.
- Avoid directing light at glass curtain wall, shiny shop front display panel, or light colour fabric materials (e.g. used in shade structures in parks, amphitheatres or piazzas) etc. to prevent light overspill and nuisances caused by reflection of light.

Prevention of Glare to Road Users

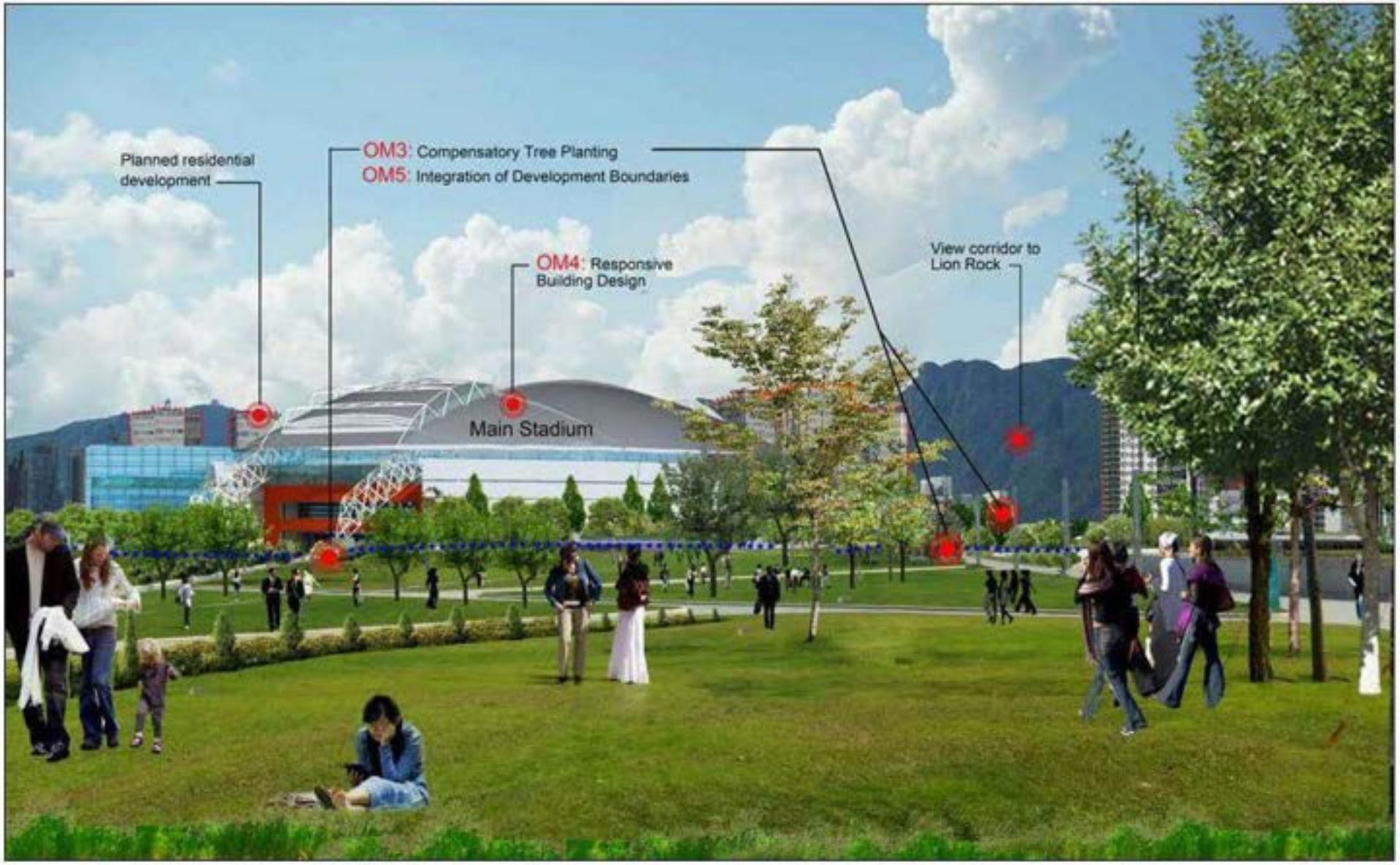
- Ensure the external lighting is appropriately positioned, aimed or shielded so that illumination of nearby roads will not be adversely affected.
- Ensure appropriate type of lighting is used (e.g. lighting with suitable light distribution pattern, or appropriate cut-off classification) to reduce glare impact on road user

Appendix K

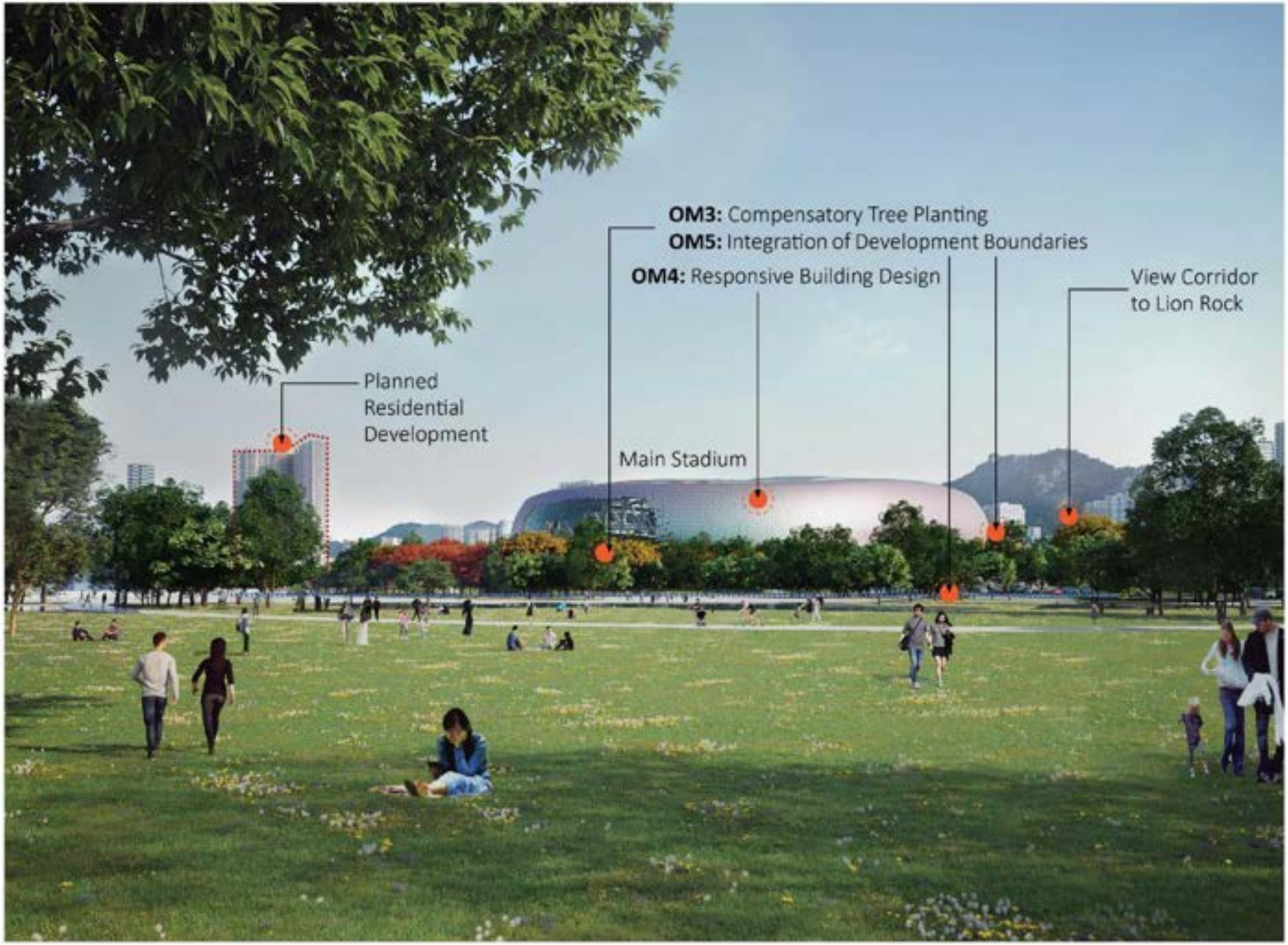
Photomontage

Photomontage 01: Key Viewpoint VP01 from Future Metro Park (Year 10 with mitigation Measures)

Approved EIA scheme



Current Proposed scheme



Photomontage 02: Key Viewpoint VP02 from Future Station Square (Year 10 with mitigation Measures)

Approved EIA scheme

Current Proposed scheme

Photomontage 03: Key Viewpoint VP03 from Sky Tower (Year 10 with mitigation Measures)

Approved EIA scheme

Current Proposed scheme

Photomontage 04: Key Viewpoint VP04 from Grand Waterfront [1] (Year 10 with mitigation Measures)

Approved EIA scheme

Note:
[1] the term “Grand Waterfront” was used in the approved EIA scheme which is referred to as “Harbourfront Promenade” in this submission.

Current Proposed scheme

Photomontage 05: Key Viewpoint VP05 from Future Grid Development

Approved EIA scheme

Current Proposed scheme

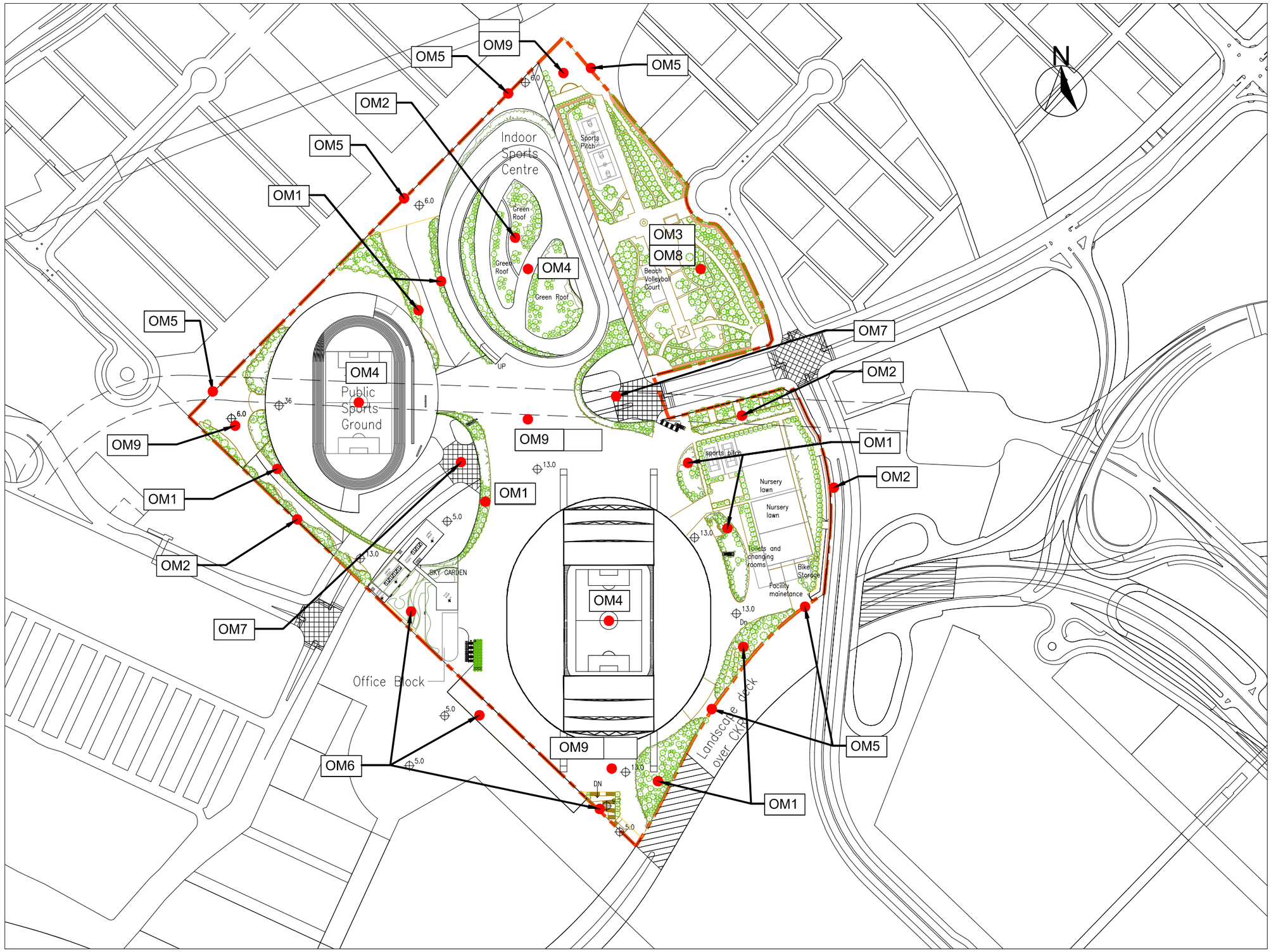
Photomontage 06: Key Viewpoint VP06 from Future Mixed Development

Approved EIA scheme

Current Proposed scheme

Appendix L

EIA Approved Indicative Landscape Master Plan with Potential Mitigation Measures



LEGEND:

- STUDY AREA BOUNDARY
- PROPOSED TREES
- SHRUBS
- CYCLE TRACK
- MITIGATION MEASURE

ID NO.	LANDSCAPE / VISUAL MITIGATION MEASURE
OM1	GREENING OF WALKWAYS, RAMPS AND DECKS
OM2	GREEN ROOFS AND VERTICAL GREENING
OM3	COMPENSATORY TREE PLANTING
OM4	RESPONSIVE BUILDING DESIGN
OM5	INTEGRATION OF DEVELOPMENT BOUNDARIES
OM6	INTEGRATION WITH DINING COVE AND WATERFRONT PROMENADE
OM7	LIGHT PENETRATION UNDER DECK
OM8	URBAN PARK
OM9	BESPOKE AMENITY AREA LIGHTING

FIG 11-5-8: INDICATIVE LANDSCAPE MASTER PLAN WITH POTENTIAL MITIGATION MEASURES

ARCHITECTURAL SERVICES DEPARTMENT

The joint venture of
Cinotech Consultants Ltd. and
Maurice Lee & Associates Ltd. .

Sub-Consultant
MVA SYSTRA GROUP

Drafting by	RW	05/16
Designed by	RW	05/16
Checked by	ML	05/16
Approved by	ML	05/16

SCALE: N.T.S.

PROJECT: Kai Tak Multi-purpose Sports Complex

DRAWING NO: Figure 11-5-8

REV: -

Filename: Z:\Project Files\HA Projects\HA900-HA999\HA921 (PA3031) EIA & TIA Kai Tak\22-Drg out\150616-LVIA\LVIA-Figure 11-5-8_160824.dwg