Removal of 132kV Overhead Line and Pylons for B-Line and W-Line

Project Profile

28 November 2023

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The business of sustainability

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Project Profile

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1. BASIC INFORMATION

1.1 Project Title

The title of the project is “Removal of 132kV Overhead Line and Pylons for B-Line and W-Line” (hereafter referred to as the Project).

1.2 Name of Project Proponent

The Hongkong Electric Company, Limited (HK Electric)

1.3 Purpose and Nature of the Project

The B-Line (from Tin Wan Praya Road to Bowen Road with total length of approximately 5.3km) and W-Line (from Tin Wan Praya Road to Deep Water Bay Road with total length of approximately 5km) have been in services for more than 40 years and aged at various extent depending on the locations of the pylons and localised climatic conditions. It is no longer in use. HK Electric is proposing to remove the 132kV overhead line (OHL) and pylons of B-Line from Tin Wan Praya Road to Bowen Road and W-Line from Tin Wan Praya Road to Deep Water Bay Road. The overall alignments of B-Line and W-Line are shown in **Figure 1.1**.

Substantial maintenance had been carried out in order to preserve the OHL system intact. HK Electric had maintained the existing transmission network such that the B-Line and W-Line could be dismantled not only to eliminate the risks to the surrounding areas but also to resume the original aesthetics view.

1.4 Location and Scale of Project and History of the Project Site

1.4.1 Details of the Project

The proposed removal works will be carried out for the B-Line and W-Line including:

- Removal of OHL earth wire and conductor; and
- Dismantling of pylons (totally 26 pylons (B2 – B27) for B-Line and 25 pylons (W2 – W26) for W-Line), including dismantling of the associated gantry towers, steel compounds and fencing at B2, B27, W2 and W26.

A large portion of the Project is located within the Pok Fu Lam Country Park, Aberdeen Country Park and Site of Special Scientific Interest (SSSI) of Pok Fu Lam Reservoir Catchment Area and Nam Fung Road Woodland, i.e. B5 to B8, B9 to B22, W9 to W15, and W17 to W24 (see **Figure 1.1**). The original works areas proposed by the contractor for each pylon have been critically reviewed based on the findings of the ecological and tree surveys. Re-defined works areas have been restricted to the area underneath the pylons and nearby areas of very limited size of approximately 3m x 3m or 2m x 6m aimed to avoid/ minimise the impacts to the nearby trees, ecological resources and surrounding environment. Therefore, vegetation clearance is expected to be very localised and minimal, and likely only affects the ground cover. Only small scales of tree felling and pruning will be carried out in order to minimise landscape impact.

Equipment and dismantled materials will be transported off-site by crane lorry or helicopter for those areas could not be easily accessed by land transportation (i.e. helicopter will be tentatively used for B3 – B11, B13, B15 – B16, B18 – B27, and W3 – W26 and subjected to the finalised engineering design). For transportation along the access road to B14, light goods vehicles of no more than 3 tonnes will be used instead of crane lorry.

Materials transportation between pylons/ nearby vehicular access without road connection will be carried out manually or by electric vehicle (EV) trolley wherever feasible (photo and details given in **Appendix A3**). The dismantled pylon segments, removed concrete and steel will then be transported by crane lorry or helicopter from Project site for recycling, subject to the access route conditions.

The contractor will assign lookout man to monitor works near hiking trail. Tasks which may affect the public will be paused whenever hiker is approaching.

1.4.2 Removal Works

"Proven dead" procedure will be implemented for the OHL earth wire to ensure that it is safe and suitable for removal works. Two wire clamps will be clamped to the conductor at the location adjacent to the pylon connection point and will then be connected to the pull-lift. The pull-lift will be tightened until no tensile force is applied on the conductor near the pylon. The connection between the conductor and the pylon will be cut at the un-tensioned section and will be reconnected by steel wire. Pulley will be installed at the pylon for guiding the movement of conductor during retraction.

Hydraulic puller will be set up tentatively at B2, B12, B17, B23, W2, W12 & W24 for conductor retraction and hydraulic puller tensioner will be set up at B4, B17, B22, B27, W4, W18 & W26 for retaining the tension during conductor retraction, such that the conductor will not fall and cause damage to ground object. The position of hydraulic puller and hydraulic tensioner may need to be adjusted to suit the site difficulty. A dyneema rope will be connected to the conductor at the tensioner side. The conductor will then be retracted by the puller. Safety clamps will be installed behind the puller and tensioners to avoid any object falling. The locations for using hydraulic puller and hydraulic puller tensioner have been carefully selected for those sites with more open space/ unvegetated for placing equipment, dismantled parts and conductor, aimed to avoid unnecessary vegetation clearance or disturbance to the environment. Detailed illustration of works for the retraction of conductor and retrieval of dyneema rope are presented in **Appendix A3**.

1.4.3 Dismantle Works

Gin pole and electric winch will be used for the dismantle works for the pylon segments. The top part of the pylon segments will be first lifted down by electric winch. Gin pole will then be set up at the middle and lower parts of the pylon body to dismantle the other pylon segments by electric winch.

The dismantled pylon segments will be cut into smaller pieces by hand-held electric tools and stored at temporary storage locations within the proposed works area. To allow for hoisting down the dismantled parts of the 2 wings of the pylons, works area is typically required to be extended to cover the direct footprint of the whole pylon structure including both sides of the wings. Detailed illustration of works for the dismantling of pylon are presented in **Appendix A3**.

The 600mm below ground concrete supporting plinths of the pylons will be dismantled by electrical hand-held percussive breaker. The debris (i.e. from the associated gantry towers, steel compounds and fencing) will then be removed from site by manual handling or crane lorry. The removed concrete supporting plinths and embedded steelwork will be broken up and cut. Natural fill materials, i.e. soil, will be used to fill up the pits to formation level and compacted by power hammer to reinstate the area for all the resulting pits to normal condition. Soil compaction will be avoided for reinstatements of exposed ground (i.e. without stone pitching/ shotcrete reinstatement). Existing vegetation including trees, groundcover and understorey in the surrounding would be preserved and retained as far as possible, and the disturbed surface would be reinstated with native plants where necessary. The details of reinstatement requirement, such as planting species will further be discussed and agreed with AFCD separately before the reinstatement.

1.4.4 Minimisation of Works Areas

The original works areas proposed by the contractors for each pylon have been critically reviewed. Typical works areas include the area underneath the pylon and at both sides of the pylon for moving the dismantled "wings" of the pylon down to the ground. Ecological and tree surveys were conducted to identify the habitat of the areas. Site visits were conducted with the contractors to optimise the removal procedures to minimise impact on vegetation and trees and habitat loss at any stage of the Project. As an outcome of the ecological and tree surveys, works areas have been minimised and restricted to the area underneath the pylons and nearby areas of very limited size of approximately

3m x 3m or 2m x 6m aimed to avoid/ minimise the impacts to the nearby trees, ecological resources and surrounding environment. Therefore, vegetation clearance is expected to be very localised and minimal, and likely only affects the ground cover.

Details of the minimised works areas and illustrations of the proposed works are presented in **Appendix A1** and **Appendix A2**, respectively.

1.4.5 History of the Project Site

HK Electric's 132kV OHL, pylons and gantry towers have been in service for more than 40 years. Due to strong winds and high humidity, the OHL, pylons, gantry towers and associated accessories have been deteriorated throughout the years. Considering the on-going reinforcements of the existing cable networks, the OHL, pylons and gantry towers would be decommissioned.

1.5 Designated Projects to be covered by the Project Profile

As a large portion of the OHL and Pylons is within Pok Fu Lam Country Park, Aberdeen Country Park and SSSI of Pok Fu Lam Reservoir Catchment Area and Nam Fung Road Woodland, i.e. B5 to B8, B9 to B22, W9 to W15, and W17 to W24, the proposed removal works are classified as a Designated Project (DP) by virtue of Item Q.1, Part I, Schedule 2 of the *Environmental Impact Assessment Ordinance* (EIAO) (Cap. 499) and does not fall into any exception works under Item Q.1.

Q.1 - All projects involving earthworks, dredging works and other building works partly or wholly in an existing or gazetted proposed country park or special area, a conservation area, an existing or gazetted proposed marine park or marine reserve, a site of cultural heritage, and a site of special scientific interest

This Project Profile was prepared to seek permission to apply directly for an Environmental Permit (EP) for the project under Section 5(11) of the EIAO. The environmental impact of the Project is unlikely to be adverse. Based on this, the Project shall meet the requirement of *Technical Memorandum on Environmental Impact Assessment Process* (EIAO-TM) to apply directly for the EP.

1.6 Name and Telephone Number of Contact Person

ERM-Hong Kong, Limited (ERM) has been appointed to undertake the environmental permitting for this Project on behalf of the Project proponent. All queries regarding the project can be addressed to:

ERM
Attention: Mr Terence Fong, Partner
Telephone: (852) 2271 3000
Fax: (852) 2723 5660

Or the Project Proponent:

HK Electric
Attention: Mr Norman L M Chan, General Manager (Projects)
Telephone: (852) 3143 3819
Fax: (852) 2553 0146

2. OUTLINE OF PLANNING AND IMPLEMENTATION PROGRAMME

This Project involves the removal of the OHL earth wire and conductor, dismantling of the pylons (i.e. gantry towers, steel compounds), as well as fencing as described in **Section 1**. The overall removal and dismantle works period of the Project will last for about 3 years, and is scheduled to start in 2024 tentatively. Key implementation milestones of the Project are summarised in **Table 2.1** below.

Table 2.1 Key Implementation Milestone

Key Milestones	Tentative Programme
Removal of OHL earth wire and conductor	1st to 15th months
Dismantling of the pylons	16th to 35th months
Removal of pylon supporting plinths	17th to 36th months

Note:
(a) OHL earth wire and conductor will be removed in 11 batches following the sequence from B2-B4, B4-B12, B12-B17, B17-B22, B22-B23, B23-B27, W2-W4, W4-W12, W12-W18, W18-W24, W24-W26 tentatively subject to Ecological Management Plan (EMP)/ Tree Treatment Proposal (TTP) approval sequence, which will be submitted during detailed design stage. Each batch will last for about 5 – 7 weeks.
(b) Removal of pylon will take about 2 weeks at each location, and will be carried out one-by-one in sequence starting from B2 and W2 upon all OHL earth wire and conductor have been removed. The duration and sequence of OHL earth wire and conductor removal are tentative and subjected to the finalised engineering design.
(c) Removal of pylon supporting plinths will take also about 2 weeks at each location, also one-by-one in sequence from B2 and W2 upon removal of pylon.

A fast-track programme will be considered to be implemented to allow works to be carried out at 2 pylons at the same time for the removal of pylon or removal of pylon supporting plinths. With this fast-track programme, the overall removal and dismantle works period will be shortened to 1.5 years.

The proposed removal work is planned with consideration of land usage constraints, technical feasibility, supply and security, health and safety, and environmental aspects by HK Electric's in-house engineers. Works of the Project will be carried out by the contractor appointed by HK Electric and HK Electric will deploy direct supervision for the Project.

There are currently no committed interfacing projects that may contribute to cumulative environmental impacts with the Project.

3. MAJOR ELEMENTS OF THE SURROUNDING ENVIRONMENT

The existing environment of the Project Site within 500m of the boundary of the Project and works areas is shown in **Figure 3.1**.

The surrounding areas of the Project are zoned as Green Belt (GB), Country Park (CP), Open Space (O), Other Specified Uses (OU), Industrial (I), Site of Special Scientific Interest (SSSI), Residential (Group A) (R(A)), Residential (Group B) (R(B)), Residential (Group C) (R(C)), Residential (Group E) (R(E)), and Government, Institution or Community (G/IC) in accordance with the Outline Zoning Plans (OZPs) for Pok Fu Lam (Approved Outline Zoning Plan No. S/H10/20), The Peak Area (Approved OZP No. S/H14/13), Aberdeen & Ap Lei Chau (Approved OZP No. S/H15/33), Mid-Levels East (Approved OZP No. S/H12/12), Mid-Levels West (Approved OZP No. S/H11/15), S/H5/29 (Approved OZP Plan No. S/H5/29), Shouson Hill & Repulse Bay (Approved OZP No. S/H17/13) and Jardine's Lookout & Wong Nai Chung Gap (Approved OZP No. S/H13/12). In addition, majority parts of the proposed removal works fall within Pok Fu Lam Country Park, Aberdeen Country Park and SSSI of Pok Fu Lam Reservoir Catchment Area and Nam Fung Road Woodland.

The main terrestrial ecological resources recorded in the surrounding area comprise of woodland, shrubland/ grassland, watercourse/ water body, and developed/ disturbed area, and their associated wildlife, where the works area include woodland, shrubland/grassland and developed/ disturbed area. Pok Fu Lam Country Park, Aberdeen Country Park, SSSI of Pok Fu Lam Reservoir Catchment Area, Nam Fung Road Woodland and Deep Water Bay Valley are located in the surrounding area. The existing habitats are well preserved and considered to have limited level of human disturbance and generally of high ecological concern.

Some declared monuments, historic buildings and structures are identified within 100m from the works area of the pylons, while no Government Historic Sites, and Site of Archaeological Interest are identified within 100m from the works area of the pylons [(1)].

(1) Declared monuments in Hong Kong (as of 20 May 2022); [information on line]; available from https://www.amo.gov.hk/filemanager/amo/common/form/DM_Mon_List_e.pdf; internet; access on 17 February 2023.Government Historic sites Identified by AMO (as at May 2022); [information on line]; available from https://www.amo.gov.hk/filemanager/amo/common/form/build_hia_government_historic_sites.pdf; internet ; access on 17 February 2023. List of the 1444 Historic Buildings with Assessment Results (as at 8 Dec 2022); [information on line]; available from https://www.aab.gov.hk/filemanager/aab/en/content_29/AAB-SM-chi.pdf; internet; access on 17 February 2023.
List of new items for grading assessment with assessment results (as at 8 Dec 2022); [information on line]; available from https://www.aab.gov.hk/filemanager/aab/en/content_29/list_new_items_assessed.pdf; internet; access on 17 February 2023.
List of Sites of Archaeological Interest in Hong Kong (as at Nov 2012) [information on line]; available from https://www.amo.gov.hk/filemanager/amo/common/form/list_archaeolog_site_eng.pdf; internet; access on 17 February 2023.

4. POSSIBLE IMPACTS ON THE ENVIRONMENT

4.1 Major Work Activities

4.1.1 Removal and Dismantle Works

The Project will involve removal of OHL earth wire and conductor, and dismantling pylons for B-Line and W-Line with details given in **Section 1.4**.

The following removal and dismantle work activities will be involved:

- Limited number of powered mechanical equipment (PME) and hand-tools will be deployed for the removal and dismantle works;
- The equipment and materials will be transported to the Project Site by crane lorry, or by helicopter for those areas which are not accessible via existing vehicular roads and/or footpaths (i.e. helicopter will be tentatively used for B3 – B11, B13, B15 – B16, B18 – B27, and W3 – W26 and subjected to the finalised engineering design), such that construction of new access route and associated vegetation clearance are not required. For transportation along the access road to B14, light goods vehicles of no more than 3 tonnes will be used instead of crane lorry; and
- The removed concrete (previously used for the pylon stabilisation) generated during the pylon dismantlement will be disposed of at an appropriate waste reception facility and the dismantled materials including wire, conductor and steel will be recycled. The dismantled parts and materials would first be transported by manual handling, EV trolley, crane lorry or helicopter to a nearby vehicular access, and subsequently transported off-site by lorry.

4.1.2 Operational Phase

Potential operational phase impacts are not anticipated upon dismantling of the associated gantry towers, steel compounds and fencing.

4.2 Summary of Potential Environmental Impacts

A summary of potential environmental impacts arising from the Project during the removal and dismantle works is presented in **Table 4.1**. No environmental impact is anticipated after dismantling of the associated gantry towers, steel compounds and fencing.

The key potential impacts during the removal and dismantle works are related to air quality, noise, water quality, waste, ecology, landscape & visual and cultural heritage. Further details on the consideration of the potential environmental impacts are provided in subsequent sections.

Table 4.1 Potential Sources of Environmental Impacts

Potential Impact	Removal and Dismantle Works
Gaseous Emission	–
Dust	✓
Odour	–
Noise	✓
Night-Time Operations	–
Traffic	–
Liquid Effluents, Discharge or Contaminated Runoff	–
Generation of Waste or By-products	✓
Manufacturing, Storage, Use, Handling, Transport, or Disposal of Dangerous Goods	–
Disposal of Spoil Material	–
Terrestrial Ecology	✓
Landscape and Visual	✓
Cultural and Heritage	✓
Hazard to Life	–
Cumulative Impacts	–

Note:
(a) '✓' = Possible; '–' = Not Expected

4.3 Air Quality

Representative air sensitive receivers (ASRs) have been identified within 500m from the B-Line and W-Line alignments and they are shown in ***Figure 4.1*** and listed in ***Table 4.2***.

Table 4.2 Representative Air Sensitive Receivers

ASR ID.	Description	Type of Use	Approximate Distance to Nearest Project Site
A1	Tam Kung Yea Temple	Place of Worship	144m from W3
A2	Yew Chung College of Early Childhood Education	Educational	247m from W5
A3	Tin Wan Correctional Services Department Staff Quarters	Residential	166m from W6
A4	The Hong Kong Society for the Aged Bradbury Home for the Elderly	Homes for the Aged	169m from W6
A5	Tin Wan Methodist Kindergarten and Day Nursery	Educational	216m from W6
A6	TWGHs Tin Wan (1996-1997 Directors) Kindergarten	Educational	189m from W7
A7	Tin Chak House, Tin Wan Estate	Residential	162m from W7
A8	SKH Tin Wan Chi Nam Primary School	Educational	239m from W7
A9	Hoy Au Lau, Yue Kwong Chuen	Residential	280m from W11
A10	Aberdeen Country Park Management Centre	G/IC	84m from W12
A11	Aberdeen Reservoir Barbecue Area Site 4	G/IC	72m from B13
A12	Aberdeen Reservoir Barbecue Area Site 3	G/IC	79m from B14

ASR ID.	Description	Type of Use	Approximate Distance to Nearest Project Site
A13	Picnic Site near Aberdeen Upper Reservoir	G/IC	94m from B15
A14	St Paul's Co-educational College Primary School	Educational	370m from W20
A15	19 Middle Gap Road	Residential	151m from B18
A16	15 Middle Gap Road	Residential	92m from B19
A17	9 Middle Gap Road	Residential	151m from B19
A18	Bamboo Vista	Residential	159m from B21
A19	Opus Hong Kong	Residential	110m from B23
A20	Block B, Oasis	Residential	77m from B25
A21	20 Peak Road	Residential	50m from B26
A22	28 Peak Road	Residential	141m from B27
A23	Bowen Road Garden	G/IC	138m from B27
A24	12B Bowen Road	Residential	54m from B27
A25	Caronia	Residential	105m from B26
A26	Block 74 Bamboo Grove	Residential	133m from B24
A27	8 Shiu Fai Terrace	Residential	392 from B23
A28	64 Black's Link	Residential	140m from W26
A29	21 Black's Link	Residential	76m from W26
A30	House 1, 8 Deep Water Bay Road	Residential	33m from W26
PN1	Public Rental Housing Project at Shek Pai Wan Road	Residential	218m from W5
PN2	Proposed Residential Redevelopment at I, L, 2304 & Ext. 16 Bowen Road, HK	Residential	133m from B26

The major removal and dismantling work activities will involve removal of OHL earth wire and conductor, dismantling of pylons body and concrete supporting plinths of the pylons, and ground reinstatement works for concrete supporting plinths of the pylons (up to 600mm below ground).

The removal of OHL earth wire and conductor will not involve any earthworks and thus fugitive dust emissions are not anticipated. For the dismantling of pylon body, steel structures of pylon segments will be uninstalled with the use of gin pole and electric winch. The dismantled pylon segments will then be cut into smaller pieces and stored at temporary storage locations. As such works will involve mainly dismantling of steel segments and are not considered dust generating, fugitive dust emission is not expected.

Potential fugitive dust may arise from the dismantling of concrete supporting plinths of the pylons and subsequent ground reinstatement works, which involve minor excavation and backfilling works. Concrete supporting plinths of the pylons and embedded steelwork of about 600mm deep will be dismantled using electrical hand-held percussive breaker with minor excavation works involved. All broken concrete and steel structures will be contained in sandbags and removed from site on a daily basis to avoid fugitive dust emission by wind erosion. Upon removal of the ground concrete and steel structures, the resulting pits will then be backfilled with fill materials up to formation level to reinstate the area to normal condition. As mentioned in ***Section 1.4.1***, the works areas of each pylon will be kept minimal (i.e. approximately 3m x 3m or 2m x 6m) and within pylon supporting plinths footprint as far as practicable. The dismantling works at each pylon will take about 4 weeks (including the dismantling of pylons body and the associated concrete supporting plinths) and will be carried out one-by-one or up to 2 pylons at the same time starting from pylon B2 and W2. As the works are small scale and works at the pylons will be conducted in sequence, the potential dust emissions arising from the removal and dismantling works associated with the B-Line and W-Line are expected to be

minor and localised. Dust control measures stipulated in the *Air Pollution Control (Construction Dust) Regulation* will be implemented as appropriate during the removal and dismantling works to control potential fugitive dust emissions. Watering for dust suppression according to *Air Pollution Control (Construction Dust) Regulation* is not feasible for this Project and thus will not be implemented as it is impracticable to control potential surface runoff generated as a result given the Project site condition. However, temporary hoarding will be erected at the worksites as long as appropriate when carrying out the minor excavation and backfilling works.

As only limited number of PMEs and hand-tools will be deployed for the removal and dismantle works, gaseous emissions from the operation of construction equipment are expected to be minimal. Also, limited no. of trips of trucks/ helicopters are required for the removal works at each pylon site (not more than 4 trips of trucks per day, while helicopter will be used 2-3 times per week and 2-3 hours each time). Requirements stipulated in the *Air Pollution Control (Non-road Mobile Machinery) (Emission) Regulation* will be followed to regulate emissions from non-road mobile machinery during the removal works.

Appropriate control measures to be implemented during the removal and dismantling works include the following:

- Exposed soil surfaces and temporary stockpiles of dusty materials such as removed concrete during dismantling of concrete supporting plinths shall be covered entirely by impervious sheets when not in use;
- During transportation by truck, materials should not be loaded to a level higher than the side and tail boards, and should be dampened or covered before transport;
- The engine of the PMEs during idling shall be switched off; and
- Regular maintenance of PMEs deployed on-site shall be conducted to prevent black smoke emission.

In view of the small-scale and localised nature of the removal and dismantling works, adverse air quality impact during the works is not anticipated with implementation of proper air quality pollution control measures.

4.4 Noise

4.4.1 Noise Sensitive Receivers

Representative Noise Sensitive Receivers (NSRs) have been identified within 300m from the B-Line and W-Line alignment. The locations of the representative NSRs are presented in **Figure 4.2**, and listed in **Table 4.3**. In addition to the representative NSRs identified, country park is also considered as NSR. However, there is no specific noise standards for country parks and the visitors staying in country parks is transient and hence they will not be adversely affected by the construction works.

Table 4.3 Representative Noise Sensitive Receivers

NSR No.	Description	Type of Use	Approximate Distance to Nearest Project Site
N1	Tam Kung Yea Temple	Place of Worship	144m from W3
N2	Yew Chung College of Early Childhood Education	Educational	247m from W5
N3	Tin Wan Correctional Services Department Staff Quarters	Residential	166m from W6
N4	The Hong Kong Society for the Aged Bradbury Home for the Elderly	Homes for the Aged	169m from W6

NSR No.	Description	Type of Use	Approximate Distance to Nearest Project Site
N5	Tin Wan Methodist Kindergarten and Day Nursery	Educational	216m from W6
N6	TWGHs Tin Wan (1996-1997 Directors) Kindergarten	Educational	189m from W7
N7	Tin Chak House, Tin Wan Estate	Residential	162m from W7
N8	SKH Tin Wan Chi Nam Primary School	Educational	239m from W7
N9	Hoy Au Lau, Yue Kwong Chuen	Residential	280m from W11
N10	64 Black's Link	Residential	140m from W26
N11	21 Black's Link	Residential	76m from W26
N12	House 1, 8 Deep Water Bay Road	Residential	33m from W26
N13	19 Middle Gap Road	Residential	151m from B18
N14	15 Middle Gap Road	Residential	92m from B19
N15	9 Middle Gap Road	Residential	151m from B19
N16	Bamboo Vista	Residential	159m from B21
N17	Opus Hong Kong	Residential	110m from B23
N18	Block B, Oasis	Residential	77m from B25
N19	20 Peak Road	Residential	50m from B26
N20	28 Peak Road	Residential	141m from B27
N21	12B Bowen Road	Residential	54m from B27
N22	Caronia	Residential	105m from B26
N23	Block 74 Bamboo Grove	Residential	133m from B24
N24	Aberdeen Country Park Management Centre	G/IC	84m from W12
PN1	Public Rental Housing Project at Shek Pai Wan Road	Residential	218m from W5
PN2	Proposed Residential Redevelopment at I, L, 2304 & Ext. 16 Bowen Road, HK	Residential	133m from B26

4.4.2 Removal and Dismantle Works

4.4.2.1 Construction Noise Criteria

Construction noise criteria for general construction works during normal working hours (i.e. 07:00 to 19:00 hrs on any day not being a Sunday or public holiday) at the openable windows of buildings are presented in ***Table 4.4***.

Table 4.4 EIAO-TM Daytime Construction Noise Standards ($L_{eq,\ 30\ min}$ dB(A))

Use	Noise Standard (dB(A))
Domestic Premises	75
Educational Institutions (normal periods)	70
Educational Institutions (during examination periods)	65

It is anticipated that no works are planned during restricted hours (i.e. 1900 to 0700 hrs of the next day and any time on Sundays and public holidays).

In addition to complying with the construction noise standards, a noise criterion of 85 L_{max} dB(A) for the use of helicopter shall also be met at domestic premises, education institutions and other noise sensitive uses which rely on openable windows for ventilation.

4.4.2.2 Removal and Dismantle Works Activities and Programme

The use of PME during the removal and dismantle works of the Project may affect the nearby NSRs. The major work activities will involve removal of OHL earth wire and conductor, and dismantling of the pylons and pylon supporting plinths. The removal and dismantle works will be carried out during daytime hours only, i.e. between 0700hr and 1900hr from Monday to Saturday (except public holidays). The noise calculation was undertaken based on the proposed removal and dismantle works plant inventory presented in **Appendices B2** and **B3**. The Project Proponent has reviewed the programme and plant inventory, and has confirmed that they are reasonable and practicable for completing the Project within the scheduled timeframe.

For the purpose of the noise calculation, the work sites of the Project were divided into separate works areas under each pylon as presented in **Appendices A1** and **A2**.

4.4.2.3 Calculation Methodology

The noise calculation was undertaken in accordance with the procedures outlined in the *GW-TM,* which is issued under the *NCO*. The methodology is summarised as follows:

- Locate representative NSRs that may be affected by the Project;
- Determine the plant teams for corresponding activities, based on the agreed plant inventory;
- Assign sound power levels (SWLs) to the PME proposed based on the *GW-TM* and list of SWLs of other commonly used PME (2);
- Calculate the correction factors based on the distance between the NSRs and the notional noise source position of the work sites. Only works areas within 300m from the NSRs have been included in the calculation as no significant noise impact is expected from sections located further away;
- Apply corrections in the calculations, such as potential screening effects and façade correction, if any;
- Predict the noise levels at NSRs in the absence of any mitigation measures; and
- The potential noise impacts at NSRs were subsequently evaluated by comparing the predicted noise levels with the *EIAO-TM* daytime construction noise limits ($L_{eq,\ 30min}$ dB(A)).

4.4.2.4 Assumptions

Removal and dismantle works activities have been assumed to take place concurrently at adjacent pylons to represent the worse-case scenario. Works areas within 300m from the representative NSRs have been included in the calculations (see **Table 4.5**).

Table 4.5 Scheduling of Works Areas

NSR No.	Works Areas with Potential Noise Impact to the NSR
N1	B2, B3, B4, B5, W2, W3, W4 and W5
N2	B5, W4, W5 and W6
N3	B5, B6, W5 and W6
N4	B6, W5, W6 and W7
N5	B6, B7, W6 and W7
N6	B7, W6, W7 and W8

(2) "Sound power levels of other commonly used PME" prepared by the Noise Control Authority (*http://www.epd.gov.hk/epd/english/application_for_licences/guidance/files/OtherSWLe.pdf*)

NSR No.	Works Areas with Potential Noise Impact to the NSR
N7	B7, B8, W7 and W8
N8	B7 and W7
N9	W11
N10	W25 and W26
N11	W25 and W26
N12	W25 and W26
N13	B17 and B18
N14	B18, B19 and B20
N15	B18, B19, B20 and B21
N16	B20, B21 and B22
N17	B23
N18	B24, B25 and B26
N19	B24, B25, B26 and B27
N20	B26 and B27
N21	B26 and B27
N22	B25, B26 and B27
N23	B24 and B25
N24	B11, B12, B13, W11 & W12
PN1	B3, B4, B5, W3, W4, W5 and W6
PN2	B25, B26 and B27

4.4.2.5 Use of Helicopter and Buffer Distances

Due to the accessibility of the Project Site, helicopter will be considered to be used for material transportation for some of the pylons, i.e. B3 – B11, B13, B15 – B16, B18 – B27, and W3 – W26. There are 2 models of helicopters commonly being used in Hong Kong, they are MD 902 Explorer and Airbus H175. Subject to the availability, the contractor will confirm which model will be used for the construction works before commencement of works. Helicopter should be taken off from the heliservices operation centre at Kam Tin. There will not be any landing/touchdown point between Kam Tin and the construction sites. In view of the required construction works, 3 modes of operation, including approaching, hovering and flyover, will be required and are taken into account in the calculation.

The maximum frequency of helicopter flight in the span of the project is about 10 hour/week. Total flight hours for the entire project are estimated to be around 85 hours (i.e. materials and equipment transportation for B3 – B11, B13, B15 – B16, B18 – B27, and W3 – W26, subjected to the finalised engineering design). The minimum separation distance above the dismantled pylon is 20m. Based on the current planning, helicopter will be operated for around 30-minute in the works areas as the worst-case scenario. Helicopter will only be operated during daytime period, i.e. will not be operated during restricted hours (i.e. 1900 to 0700 hrs of the next day and any time on Sundays and public holidays). For pylons located near residential NSRs, i.e. B3 – B11, B18 – B27, W3 – W12, W25 and W26, helicopter will only be used between 1000 and 1600 hrs during weekdays.

Helicopter will be operated over the 152m (i.e. 500 ft) threshold above NSRs according to the requirements of Hong Kong's Civil Aviation Department and the minimum buffer distance for different operation modes will be maintained in order to meet the 85 L_{max} dB(A) noise criterion (see **Table 4.6** and **Appendix B1**). Details of the flight path will be submitted together with the construction plan to Civil Aviation Department for approval before the removal and dismantle works.

Table 4.6 Minimum Buffer Distance Required for Helicopter Operation

Operation Mode	Required Minimum Buffer Distance between Helicopter and NSR, m
Approaching	152
Hovering	180
Flyover	152

4.4.2.6 Noise Calculation

The predicted façade noise levels due to the removal and dismantle works activities (including the use of helicopter) from the Project are calculated in accordance with the methodology described in *GW-TM*. The predicted noise levels are summarised in **Table 4.7**. Removal and dismantle works plant inventory and details of noise predictions are presented in **Appendices B2** and **B3**.

Table 4.7 Predicted Noise Levels During Daytime Period

NSR No.	Predicted Noise Level, dB(A)	Noise Criteria, $L_{eq, 30min}$, dB(A)	Compliance (Y/N)
N1	68	75	Y
N2	63	70/65 (a)	Y
N3	63	75	Y
N4	63	75	Y
N5	63	70/65 (a)	Y
N6	63	70/65 (a)	Y
N7	64	75	Y
N8	59	70/65 (a)	Y
N9	56	75	Y
N10	64	75	Y
N11	69	75	Y
N12	75	75	Y
N13	62	75	Y
N14	66	75	Y
N15	64	75	Y
N16	64	75	Y
N17	65	75	Y
N18	68	75	Y
N19	70	75	Y
N20	64	75	Y
N21	71	75	Y
N22	66	75	Y
N23	63	75	Y
N24	68	75	Y
PN1	65	75	Y
PN2	64	75	Y

Note:
(a) 70/65 dB(A) for educational institution during normal school terms and examination period.

Results of the noise calculations indicate that the noise levels are well within the noise criteria at the representative NSRs. Mitigation measure for construction noise is considered not necessary.

4.5 Water Quality

The majority of this Project is located within the Pok Fu Lam Country Park and Aberdeen Country Park. Both the B-Line and W-Line pass through the Aberdeen Upper / Lower Reservoirs, and encroach into the corresponding water gathering ground (WGG). Water sensitive receivers (WSRs), including the Aberdeen Upper / Lower Reservoirs, catchwaters for the Aberdeen Reservoirs and the associated WGG, various streams and surface water features within 500 m from the B-Line and W-Line alignments and could be affected by the Project. The western ends of both B-Line (pylon B2) and W-Line (pylon W2) are located at the side of Tin Wan Praya Road and is close to the waterfront.

Part of the Aberdeen West Typhoon Shelter and the marine water of Western Buffer WCZ are both within 500 m from these two pylons and considered as WSRs. Pylons B6 to B8 are located at the immediate vicinity of the SSSI of Pok Fu Lam Reservoir Catchment Area, and pylon W21 is located close to the SSSI of Nam Fung Road Woodland, which are both WSRs as well. These WSRs are identified in **Figure 4.3**.

As described in previous sections, the Project involve dismantling of the associated gantry towers, steel compounds and fencing. None of the pylon to be removed are located within watercourses or reservoirs thus no construction work would be conducted within those water bodies. The removal of OHL earth wire and conductor does not involve earth works and no generation of runoff or wastewater is expected. Materials to be removed at this stage consist of steel which is inert and non-contaminating so pollution to soil or surface water is not anticipated. The dismantling of the pylon also does not involve earth works. The footings of pylons, which are made of concrete, would first be broken down into smaller chunks and then be removed. Dismantled parts and footing of pylons would carry limited amount of fine dust that can be washing off in rainstorm or absorbed by surrounding soil. The process of breaking down these concrete could generate dust as well. These materials (as well as any other C&D materials and waste) should be removed from the site as soon as possible. And before these materials can be removed from site, they should be stockpiled and covered with tarpaulin to prevent wind or rain erosion. The waste will only be stockpiled at the site during the works period specified in **Table 2.1**, i.e. about two weeks for pylon removal and also about two weeks for removal of pylon supporting plinths at each location.

Proposed works at B21 and B22 located in the close vicinity to watercourses would be scheduled outside of wet season to further reduce risk of water quality impact on natural watercourse and associated wildlife.

A number of pylons are located in short distance (< 50m) from existing catchwater and/or reservoir(s), in particular B12 to B15, W6 to W8, W11, W12, W17 and W18. Sandbag barriers would be used to stop storm water from getting into works area and isolate work sites from the body of water nearby, thus controlling site run off, if any. All exposed materials surface and stockpile materials would be covered with tarpaulin when not in use (including non-working hours) to minimize erosion. In addition, additional layer of tarpaulin would be used to cover the tools. Similarly, in case of rainstorm or during non-work hours, machineries and handheld tools used would be covered with tarpaulin or otherwise sheltered from rain. Combined with proper protection of C&D materials and waste mentioned in previous paragraphs, any stormwater from the site would not be significantly different from clean stormwater away from the project site. Therefore, no unacceptable water quality impact from site run off is expected.

Any works within WGG should strictly follow the Conditions of Working within Water Gathering Ground issued by the WSD (provided in ***Appendix F***). These measures will control potential water quality impact on WGG, and thus all bodies of water and WSRs in the vicinity and downstream.

The workers, similar to other visitors to the country park, will use public toilets in the country park. No chemical toilet will be provided. Sewage impact is not anticipated.

As only very limited number of PMEs will be used, these PMEs will not be refuelled or repaired at the works areas, and storage of chemicals, lube or fuel onsite is not required. Therefore, spillage of chemicals, lube or fuel is not anticipated. As a precautionary measure, chemical spill kit will also be provided on site and will be used when there is any spill situation.

As there will be no wastewater, sewage or spill generated at vicinity of catchwaters, streams and reservoirs and with the implementation of proper site runoff control measures (see ***Section 5.1.3***) and considering the small scale of works activities and area, adverse water quality impacts associated with the removal and dismantle works of the Project are not anticipated.

4.6 Waste Management

The removal and dismantle works activities associated with the Project may generate the following broad categories of waste:

- Construction and demolition (C&D) materials – mainly steel from OHL earth wire, conductor, insulator, fittings, gantry towers and fencing, and concrete from the supporting plinths of the pylons will be generated from proposed removal works; and
- Small quantities of general refuse, including food waste from the on-site work force and packaging from the removal and dismantle materials.

The estimated quantity for C&D materials from the Project are summarised in **Table 4.8**. The steel and conductors will be recycled as far as practicable. The concrete from pylon supporting plinths will be disposed of at WENT or SENT Landfill, while general refuse will be disposed of at WENT or NENT.

Table 4.8 Estimated Quantity of C&D Materials

Description	C&D Materials	Quantity	Disposal Location
OHL earth wire and conductors	Steel and conductors	~126 tonne	Off-site recycling
	Fittings	~51 tonne	
Supporting plinths of pylons	Concrete	~63 m^3	Landfill

The removal and dismantle works will involve only a small number of plants and equipment. Small amount of general refuse from the on-site work force will be removed by workers for proper disposal on a daily basis. With proper housekeeping measures and refuse collection in place, adverse environmental impact is not expected to arise from refuse generated during the removal and dismantle works of the Project.

4.7 Terrestrial Ecology

Existing Baseline Conditions

Literature review was conducted to search for relevant scientific papers, reports and previous Environmental Impact Assessment reports etc.. However, relevant studies covering the current Project Site and its vicinity is very limited. In order to fill the identified information gaps and establish a set of project specific baseline data, ecological surveys were carried out from March to October 2022 with particular focus on the pylons and their associated works areas. The ecological baseline conditions of the proposed works area and its vicinity are provided in an Ecological Review Report (ERR, see ***Reference***) that has been submitted to AFCD separately. This PP was prepared with reference to the findings from the ERR.

The main terrestrial ecological resources recorded within 500m from the B-Line and W-line alignments comprise of woodland, shrubland/grassland, watercourse/ water body, and developed/ disturbed area, and their associated wildlife, where the works areas include woodland, shrubland/grassland and developed/ disturbed area (habitats present within the surrounding areas of the proposed works area of each pylon are shown in **Figure C1** and **Figures C2.1 – C2.18,** and the representative photos are in **Annex C1a** and **b**). The locations of species of conservation importance in the survey areas are shown in **Figure C1** and **Figure C2.1 – C2.18.** As a large proportion of the survey areas is located within Pok Fu Lam Country Park and Aberdeen Country Park, the habitats are well preserved and considered to have limited level of human disturbance from roads and hiking trails. The ecological value of the habitats are considered to be high for woodland, moderate for shrubland/ grassland, moderate to high for natural watercourse, moderate for reservoir, low or low to moderate for the catchwater drains and seasonal watercourse/ streams and low for developed area. Some pylons are subjected with intense human disturbances from existing maintenance works and/or hiking activities of the public. A secondary growth of woodland has not occurred significantly in these areas, while

concrete ground with limited vegetation, are found at the bases of some pylons such as B2, B4, B7, B19, B24, B25, W2, W6, W7, W8, W21, W24 and W26. Similar habitat conditions are also present at some pylons located at exposed area at hill tops (i.e. B5-B8; W6-W8). For the other pylons located far from major hiking path/ away from area associated with human activities are of more natural features, the habitats present in these proposed works areas share very similar (if not the same) characteristics to their adjacent habitats where relatively high vegetation coverage was found.

Identification of Potential Ecological Impacts

In the view of the current ecological conditions and their ecological values, the potential ecological impacts associated with the removal of OHL earth wire and conductor, and dismantle of pylons and the associated gantry tower and steel compounds at B2, W2, B27 and W26 are listed below. The potential impact would cease immediately upon the completion of the proposed removal works. It should be noted that there will be no further operation under the Project given the decommissioning nature of works, i.e., the ecological impacts of the Project are limited to decommissioning phase only. The potential ecological impacts were evaluated in detail in the ERR.

- Temporary impact on habitat and vegetation at the works areas of each pylon, resulted from removal of the 132kV overhead line (OHL) and pylons of B-Line running from Tin Wan Praya Road to Bowen Road and W-Line running from Tin Wan Praya Road to Deep Water Bay Road;
- Direct impact on the flora species of conservation importance;
- Direct impact on the fauna species of conservation importance; and
- Indirect disturbances to the surrounding habitats and associated wildlife due to the removal works, e.g., uncontrolled site runoff, increased human activities, generation of dust, waste and noise and inappropriate disposal of construction materials.

The proposed works areas associated with these pylons have been restricted in the areas of shrubland/ grassland or disturbed area as much as possible to minimise the potential impacts. During the dismantling works, additional space as works area outside the existing pylons will be required (see **Figure C2.1 – C2.18**). The extra space will be used for temporary storage for equipment and storing the dismantle parts before transportation by crane lorry or helicopter. The habitat types and their areas within the works areas are shown in **Table 4.9** below. Among the 51 pylons, 32 pylons are located within Country Park and proposed works area within Country Park of each habitat is summarised in **Table 4.9*.***

Table 4.9: Habitats in the Proposed Works Area Potentially Be Disturbed

Habitat Type	Woodland	Shrubland/ Grassland	Developed/ Disturbed Area
Habitat Quality	High	Moderate	Low
Habitat Size	~0.06ha in total (~0.03ha within Country Park)	~ 0.56ha in total (~0.38ha within Country Park)	~ 0.35ha in total (~0.15ha within Country Park)
Nature of Impact	Temporary only. No permanent impact to woodland is anticipated.	Temporary only. No permanent impact to shrubland/ grassland is anticipated.	Temporary only. No permanent impact to developed/ disturbed area is anticipated.

A large portion of the Project is located within the Pok Fu Lam Country Park, Aberdeen Country Park and SSSIs of Pok Fu Lam Reservoir Catchment Area and Nam Fung Road Woodland and in the vicinity of Deep Water Bay Valley SSSI. Both potential direct and indirect impacts on ecological resources identified within the Country Parks and SSSI of Pok Fu Lam Reservoir Catchment Area would be anticipated, while ecological resources of other sites of conservation importance would be

indirectly affected. Considering the generally high ecological value of the country park, great efforts have been exerted by the Project Proponent during the planning stage of the Project, where site visits were conducted with contractors to optimise the removal procedures to minimise impact on vegetation, tree and habitat loss at any stage of the Project.

A total of 19 flora species of conservation importance were identified, including *Aquilaria sinensis*, *Artabotrys hongkongensis, Artocarpus hypargyreus, Camellia crapnelliana, Camellia granthamiana, Camellia hongkongensis, Canthium dicoccum, Castanopsis concinna, Diospyros vaccinioides, Endospermum chinense, Enkianthus quinqueflorus, Eulophia graminea, Lysimachia alpestris, Geodorum densiflorum, Gleditsia australis, Pavetta hongkongensis, Rhodoleia championii, Lagerstroemia fordii* and *Rhododendron simsii.* After a careful planning and selection of the works areas, the majority of the recorded flora species of conservation will be avoided (i.e. located outside the works area) and therefore not affected directly by the removal and dismantle works. For the flora species of conservation importance identified within the proposed works area, i.e. *Eulophia graminea* and *Geodorum densiflorum* at W7, *Diospyros vaccinioides* at B8 and W21, *Endospermum chinense* at B15 and W21, *Pavetta hongkongensis* at B6, they will be preserved in situ as far as technical feasible and area available. Apart from *Eulophia graminea* and *Geodorum densiflorum,* the above-mentioned flora species of conservation importance recorded within and near the project area are locally common and widely distributed in Hong Kong countryside. While the affected population of *Eulophia graminea* and *Geodorum densiflorum* are in minor scale (only two individuals of each species will be affected) and therefore potential impact on flora species of conservation importance is considered to be of **low to moderate** significance in the absence of mitigation measures.

With reference to the literature review and the recent surveys, among all the proposed works area, only scats of Masked Palm Civet (classified as “Potential Regional Concern” by Fellowes (2002) and protected under Cap. 586) were recorded at the developed/ disturbed area at W8. Although the scats were found in developed/ disturbed area within the proposed works area, it is considered that the Masked Palm Civet will mainly occupy the adjacent shrubland/ grassland or woodland habitats considering the unsuitable habitat within the proposed works area. In addition, the proposed works areas are considered to be very small at each pylon, and there is large area of suitable habitat adjacent to the works area that the fauna species could use during the decommissioning phase. Furthermore, considering the small size of proposed works area and the habitat is generally steep of anthropogenic, it is not considered the works area will be frequently used by fauna species of conservation importance. Therefore, the potential direct impact on fauna species, especially species of conservation importance, is considered to be of **negligible** significance in the absence of mitigation measures.

The Project is limited to decommissioning phase (removal and dismantle works), potential ecological impacts would arise from temporary habitat loss/ disturbance, direct impacts on flora and fauna species of conservation importance and indirect disturbances to surrounding habitats associated wildlife. In the absence of mitigation measures, most of the ecological impacts are considered to have low or even lower significance except habitat loss of woodland and shrubland are **low to moderate** significance (impact significance of overall habitat is **low to moderate**) , and direct impact on flora species of conservation importance is of **low to moderate** significance.

With the adoption of good construction practices and implementation of the proposed preventive measures as discussed in **Section 5.1.5**, the ecological impacts during the removal and dismantle works are expected to be low and acceptable. Upon completion of pylon decommission and reinstatement works for concrete supporting plinths of the pylons (up to 600m below ground) with native plants where necessary. The details of reinstatement requirement, including reinstatement arrangement, associated reporting, monitoring, maintenance and management requirement will further be discussed and agreed with AFCD before the reinstatement.

4.8 Landscape and Visual

4.8.1 Landscape Baseline Conditions

4.8.1.1 Landscape Character Areas (LCAs)

Seven landscape character areas (LCAs) have been identified within 500m from the B-Line and W-Line alignment. They are summarised in **Table 4.10** and illustrated in **Figure 4.4** with photos shown in **Figure 4.5**.

4.8.1.2 Landscape Resources (LRs)

Six landscape resources (LRs) have been identified within 500m from B-Line and W-Line alignment. They are summarised in **Table 4.11**, and illustrated in **Figure 4.6** with photos shown in **Figure 4.7**.

Table 4.10 Summary of Landscape Character Areas

Ref.	Works Area Overlapping with Landscape Character Area (m^2)		Quality and Maturity (High / Medium / Low)	Rarity (High / Medium / Low)	Importance (Local / District / Regional)	Sensitivity to Change	Ability to Accommodate Change
LCA 1 Cemetery Landscapes	0	-	Medium	Low	Local	Medium	Medium
LCA 2 Miscellaneous Urban Fringe Landscapes	970	11%	Medium	Low	Local	Medium	Medium
LCA 3 Industrial Urban Landscapes	506	6%	Low	Low	Local	Low	High
LCA 4 Residential Urban Landscapes	0	-	Medium	Low	Local	Medium	Medium
LCA 5 Uplands and Hillside Landscapes	6,618	73%	High	Medium	District	High	Low
LCA 6 Reservoir Landscapes	1,018	11%	High	Medium	District	Medium	Medium
LCA 7 Straits Landscapes	0	-	High	Low	District	Medium	Medium

Table 4.11 Summary of Landscape Resources

Ref.	Works Area Overlapping with Landscape Resource (m^2)		Quality and Maturity (High / Medium / Low)	Rarity (High / Medium / Low)	Importance (Local / District / Regional)	Sensitivity to Change	Ability to Accommodate Change
LR 1 Woodland	2,463	27%	High	Medium	Local	High	Low
LR 2 Shrubland / Grassland	2,276	25%	High	Medium	Local	Medium	Medium
LR 3 Natural Watercourse	0	-	High	Medium	District	High	Low
LR 4 Modified Watercourse	0	-	Medium	Medium	District	Medium	Medium
LR 5 Reservoirs	0	-	High	Medium	District	Medium	Medium
LR 6 Landscape Areas within Developed / Disturbed Areas	4,373	48%	Medium	Medium	Local	Medium	Medium

4.8.2 Visual Baseline Conditions

The middle section of B-Line and W-Line are extensively screened by the natural topography and vegetation. The visual envelop for this Project therefore essentially falls in the northern and southern section of B-line and in the western and eastern section of W-Line, and the scenic spots in Aberdeen Country Park. The visual envelope, which is the area from which any part of the proposed Project would be able to seen, is shown in **Figure 4.8**.

4.8.2.1 Public Viewers

Potential Public Viewers (PVs) are categorized into four groups:

- Occupational;
- Institutional
- Leisure and Cultural; and
- Transportation.

A total of nine PVs are identified along B-Line and W-Line, as presented in **Table 4.12** and shown in **Figure 4.8**. Viewpoint of the nine PVs are shown in **Figure 4.9a** – **Figure 4.9g**.

Table 4.12 Public Viewers Identified for this Project

Ref.	Type of PVs	Visible Pylon(s) from the PV	No. of Individuals (Few / Typical / Many)	Quality of Existing View (Good / Fair / Poor)	Distance with the Pylon(s) (m)	Alternate Views	Frequency of View (Frequent / Occasional)	Degree of Visibility (Glimpse / Full)	Sensitive to Change (High / Medium / Low)
PV 1 Travelers along Shek Pai Wan Road	Transportation	B2, W2	Many	Fair	B2: 220 W2: 184	Yes	Occasional	Glimpse; screened by vegetation	Low
PV 2 Visitors/ workers of Yew Chung College of Early Childhood Education	Institutional; Occupational	B3 - B6,W3-W6	Typical	Good	B3:353 B4: 321 B5: 299 B6: 313 W3:31 W4:291 W5:256 W6:269	Yes	Occasional	Full	Low
PV 3 Travelers along Tin Wan Hill Road near Tin Wan Estate	Transportation	B6-B8, W6 and W7	Typical	Good	B6:313 B7:491 B8:381 W6:231 W7:217	Yes	Frequent	Glimpse; screened by vegetation	Low
PV 4 Visitors of Aberdeen Country Park	Leisure and cultural	B12-B14, W13 and W14	Typical	Good	B12:65 B13:281 B14:531 W13:373 W14: 576	Yes	Occasional	Glimpse; screened by vegetation	Medium

Ref.	Type of PVs	Visible Pylon(s) from the PV	No. of Individuals (Few / Typical / Many)	Quality of Existing View (Good / Fair / Poor)	Distance with the Pylon(s) (m)	Alternate Views	Frequency of View (Frequent / Occasional)	Degree of Visibility (Glimpse / Full)	Sensitive to Change (High / Medium / Low)
PV 5 Visitors of Aberdeen Country Park/ Aberdeen Fitness Trail	Leisure and cultural	B16-B19	Typical	Good	B16:322 B17:494 B18:775 B19:1012	Yes	Occasional	Glimpse; screened by vegetation	Medium
PV 6 Patients/ Workers of Gleneagles Hospital	Institutional; Occupational	B16, W17, W18, W20, W21	Typical	Good	B16:927 W17: 671 W18:592 W20:437 W21:640	Yes	Occasional	Full	Medium
PV 7 Travelers along Shouson Hill Road West	Transportation	W17-W21	Typical	Good	W17:962 W18:876 W19:675 W20:616 W21:653	Yes	Frequent	Full	Low
PV 8 Travelers along Deep Water Bay Road	Transportation	W26	Typical	Fair	W26:103	Yes	Frequent	Full	Medium
PV 9 Travelers along Stubbs Road	Transportation	B22	Typical	Fair	B22:321	Yes	Frequent	Glimpse; screened by vegetation	Low

4.8.3 Review of Potential Impacts

4.8.3.1 Landscape Impacts

For the purpose of tree survey, the guidelines from *DEVB TCW No.04/2020 – Tree Preservation* and *LAO PN No. 2/2020 – Tree Preservation and Tree Removal Application for Building Development in Private Projects* were adopted. A total of 388 trees were surveyed. Small scale of pruning, i.e. less than 25% of tree crown will be conducted for 33 trees and 13 trees will be inevitably fell in order to allow more flexible areas for the dismantling activities. Among the 13 felled trees, 7 of them are within Woodland, while 6 falls within Shrubland / Grassland. None of the proposed felled trees is flora species of conservation importance. In view of the localised areas of the trees to be affected and the commonness of the tree species, the impact of the Project on trees, with compensatory trees as a mitigation measure, is considered **slight.** Details are given in **Appendix D**.

Tree pruning and tree felling will be minimised as far as possible and undertaken only when it is in direct conflict with any decommission activities, and will be supervised by Certified Arborist (CA). The scale of pruning would be kept at minimal. Before commencement of the works in the country parks, a tree treatment proposal certified by a CA will be submitted to AFCD for the consent from Country and Marine Parks Authority under the Country Parks Ordinance (Cap. 208). For tree compensation, a minimum ratio of 1:1 tree compensation with native species would be applied. The tree survey findings and review of potential impact are discussed in **Appendix D**.

Landscape Character Areas

Considering the small-scale of felled trees (13 nos.) in separated 51 pylons and the careful design of works, the Project will not alter the area's distinct, consistent and recognisable character (e.g. landform, vegetation, land use). Therefore, the impact on LCAs is considered **negligible** during both construction and operational phase.

Landscape Resources

The Project affects the area of LR1 - Woodland (626m^2), LR2 - Shrubland / Grassland (5643 m^2) and LR6 - Landscape Areas within Disturbed / Developed Areas (3,542 m^2) for B-Line and W-Line. During construction, 13 trees within these LRs will be felled. None of them is flora species of conservation importance. In addition, considering the nos. of tree requiring felling have been minimised with the careful design of works, the impact on these LRs are considered **negligible.**

During operation, although 13 trees will be removed, natural reinstatement will be carried out at the Works Area. It is anticipated that this can facilitate the natural vegetation growth. The overall landscape impact that is to occur as a result of the Project will ultimately bring **beneficial landscape impact** due to the noticeable improvement by the removal of man-made pylons and overhead lines from the Project Site and the growth of natural vegetation.

4.8.3.2 Visual Impacts

It is anticipated that the Project will have visual changes to the nine identified PVs. Considering the small scale of works required and short period of works at each pylon, the magnitude of visual change during removal and dismantling is expected to be **negligible** to slight. Given that no pylons nor overhead lines will be erected after the dismantling work, the magnitude of visual change after dismantling is **negligible**. The existing view of PV 1 – PV 9 and the photomontage of Day 1 upon completion are shown in **Figure 4.9a** – **Figure 4.9g**. The overall visual impact that is to occur as a result of the Project will ultimately bring **beneficial visual impact** due to the **noticeable improvement**. It is because the removal and dismantling of pylons will result in improved visual outlook for all the PVs (see **Table 4.13)**.

Table 4.13 Summary of Visual Impact Significance

Ref.	Type of PVs	Sensitivity	Magnitude of Change (During Dismantling)	Impact Significance (During Dismantling)	Magnitude of Change (After Dismantling)	Impact Significance (After Dismantling)
PV 1 Travelers along Shek Pai Wan Road	Transportation	Low	Slight	Negligible	Noticeable Improvement [a]	Beneficial impact [a]
PV 2 Visitors/ workers of Yew Chung College of Early Childhood Education	Institutional; Occupational	Low	Slight	Negligible	Noticeable Improvement [a]	Beneficial impact [a]
PV 3 Travelers along Tin Wan Hill Road near Tin Wan Estate	Transportation	Low	Slight	Negligible	Noticeable Improvement [a]	Beneficial impact [a]
PV 4 Visitors of Aberdeen Country Park	Leisure and cultural	Medium	Slight	Slight	Noticeable Improvement [a]	Beneficial impact [a]
PV 5 Visitors of Aberdeen Country Park/ Aberdeen Fitness Trail	Leisure and cultural	Medium	Slight	Slight	Noticeable Improvement [a]	Beneficial impact [a]
PV 6 Patients/ Workers of Gleneagles Hospital	Institutional; Occupational	Medium	Slight Negligible	Slight	Noticeable Improvement [a]	Beneficial impact [a]
PV 7 Travelers along Shouson Hill Road West	Transportation	Low	Negligible	Negligible	Noticeable Improvement [a]	Beneficial impact [a]
PV 8 Travelers along Deep Water Bay Road	Transportation	Medium	Slight	Negligible	Noticeable Improvement [a]	Beneficial impact [a]
PV 9	Transportation	Low	Negligible	Negligible	Noticeable Improvement [a]	Beneficial impact [a]

Ref.	Type of PVs	Sensitivity	Magnitude of Change (During Dismantling)	Impact Significance (During Dismantling)	Magnitude of Change (After Dismantling)	Impact Significance (After Dismantling)
Travelers along Stubbs Road						

Note:
[a] Beneficial impact which cause a noticeable improvement in existing visual quality after dismantling works.

4.9 Cultural Heritage

Apart from two Declared Monuments, one Grade 2 Graded Historic Building, one Grade 3 Graded Historic Building, four Historic Buildings/ Structures built before 1969, no Site of Archaeological Interest (SAI) and government historic site are located within 100m from the works areas of the Project.

The locations and photographs of the built heritage resources are shown in **Figure 4.10** and **Appendix E**.

The works areas for pylons removal and dismantle work will only be limited space around the pylons as shown in **Appendix A,** and the works areas are disturbed ground without archaeological potential, no adverse direct or indirect archaeological impacts is anticipated. **Table 4.14** below provides a review on the built heritage impact.

Table 4.14 Review on Built Heritage Impact

Site Code	Name	Declared Monument/ Grading	Impacts		Closest Distance from Works Area of the Closest Pylon
			Direct	Indirect	
DM-01	Aberdeen Lower Reservoir, Dam	Declared Monument	No direct impact to all of these buildings/ structure is anticipated as they are outside the works areas of the removal and dismantle works.	Although it is located adjacent to the proposed works areas, the nature of removal and dismantle work of the Project is small in scale and area. No indirect impact (such as vibration impacts) is anticipated.	~59m from W12
DM-02	Aberdeen Upper Reservoir, Dam	Declared Monument		Although the top of the Dam will be used as access road for transportation of equipment and materials for removal and dismantle work of Pylon B14, only Light Goods Vehicle (LGV) of no more than 3 tonnes will be used along the Dam,	~126 m from B13

Site Code	Name	Declared Monument/ Grading	Impacts		Closest Distance from Works Area of the Closest Pylon
			Direct	Indirect	
				no lorry crane will not be used on the access road to Pylon B14. Potential damage to the Dam is not anticipated.	
DM-03	Aberdeen Upper Reservoir, Valve House	Declared Monument		Although these structures are located adjacent to the proposed works areas, the nature of removal and dismantle work of the Project is small in scale and area. No indirect impact (such as vibration impacts) is anticipated.	~141m from B14
DM-04	Aberdeen Upper Reservoir, Bridge	Declared Monument			~153m from B13
DM-05	The 21-Arch Section of the Bowen Aqueduct	Declared Monument			~94 m from B26
GB-01	Aberdeen Reservoir, Lower Reservoir, Pump House	Grade 2			~115m from W12
GB-02	Aberdeen Reservoir, Lower Reservoir, Valve House	Grade 2			~87m from W12
GB-03	Aberdeen Reservoir, Lower Reservoir, Aberdeen Management Centre	Grade 3			~74m from W12
GB-04	Aberdeen Reservoir, Lower Reservoir, Chemical House and Air Vents	Grade 3			~130m from W11/W12
HB-01	Concrete Pillars	No grading			~61m from W13
HB-02	Pillbox	No grading			~97m from B16
HB-03	Monument Plaque of Bowen Pavilion	No grading			~122m from B24

Site Code	Name	Declared Monument/ Grading	Impacts		Closest Distance from Works Area of the Closest Pylon
			Direct	Indirect	
HB-04	No.15 Bowen Road	No grading			~76 m from B26
HB-05	Caronla No.17 Bowen Road	No grading			~83 m from B27

Note: DM=Declared Monument, GB=Graded Historic Building, HB=Historic Building

4.10 Other Impacts

- **Odour:**

No odour impacts are expected during the removal and dismantle works of the Project.

- **Night-time Operations:**

It is expected that all removal and dismantle works will be performed during non-restricted working hours, i.e. between 0700 and 1900 hours on any day not being a Sunday or general holiday.

- **Disposal of Contaminated Material:**

There will be no disposal of contaminated materials during removal and dismantle works; hence no impacts are expected to result from this Project.

- **Traffic Generation:**

Material and tools will be transported to site by crane lorry or helicopter. Increase in traffic movements is expected to be minor during removal and dismantle works for only a short term and this will not generate significant noise or gaseous emissions.

- **Dangerous Goods:**

No dangerous goods will be involved in this Project during removal and dismantle works.

- **Hazardous Materials or Wastes:**

No hazardous materials or wastes will be generated by this Project during removal and dismantle works.

- **Risk of Accidents Resulting in Pollution or Hazard:**

No pollution or hazard generating accidents will result from this Project during removal and dismantle works.

5. PROTECTION MEASURES AND ANY FURTHER IMPLICATIONS

5.1 Removal and Dismantle Works

5.1.1 Air Quality

Reference shall be made to the good site management practices for dust control detailed in the *Air Pollution Control (Construction Dust) Regulation* as appropriate. These include covering of exposed soil surfaces and stockpiles of dusty materials with impervious sheeting, and use of well-maintained equipment to avoid black smoke emissions. Requirements stipulated in the *Air Pollution Control (Non-road Mobile Machinery) (Emission) Regulation* will be followed to regulate emissions from non-road mobile machinery during the removal and dismantle works of the Project.

5.1.2 Noise

Appropriate good site practices will be adopted by the Contractor to minimise noise emissions:

- Idling PME will be switched off;
- Noisy PME will be sited as far away from the NSRs as practicable;
- Quiet PME (e.g. Hand-held Percussive Breaker) will be used as far as practicable;
- Work sequences to avoid the simultaneous use of noisy PME in close proximity to NSRs will be planned ahead of the commencement of the works;
- Helicopter will be operated over the 152m (i.e. 500 ft) threshold above NSRs according to the requirements of Hong Kong's Civil Aviation Department; and
- Minimum buffer distances between helicopter and NSRs as presented in **Table 4.6** should be implemented during different operation modes. For pylons located near residential NSRs, i.e. B3 – B11, B18 – B27, W3 – W12, W25 and W26, helicopter will only be used between 1000 and 1600 hrs during weekdays.

5.1.3 Water Quality

Standard measures stipulated in Environmental Protection Department (EPD)'s *Professional Persons Environmental Consultative Committee Practice Note 1/94 on Construction Site Drainage (ProPECC PN1/94)* would be implemented during the removal and dismantle works to properly control site run-off and drainage and to minimise potential water quality impacts. Specifically, applicable measures include:

- Sand bag barriers (or equivalent) to stop storm water from getting into works;
- Minimize stockpile onsite (by planning the backfilling material delivery and backfilling, as well as timely removal of dismantled material) and provide cover / protection with secured tarpaulin or similar fabric on concrete waste and backfilling materials;
- Public toilets will be used;
- All exposed materials surfaces and stockpile materials that is not in use should be covered by tarpaulin or similar fabric as well as sand bags barriers. In addition, additional layer of tarpaulin would be used to cover the tools. Similarly, in case of rainstorm or during non-work hours, machineries and handheld tools used would be covered with tarpaulin or otherwise sheltered from rain.

Where appropriate, wastewater discharge licence will be applied and conditions/requirements will be complied with in accordance with the *Water Pollution Control Ordinance (WPCO) (Chapter 358)* and the *Technical Memorandum of Standards for Effluents Discharged into Drainage and Sewerage Systems, Inland and Coastal Waters* issued under the *WPCO*, respectively.

Proposed works at B21 and 22 located in the close vicinity to watercourses would be scheduled outside of wet season to further reduce risk of water quality impact on natural watercourse and associated wildlife.

Construction and demolition waste generated would be removed on daily basis as far as practicable. Otherwise, they would be stored on-site properly for further transportation arrangement by lorry or helicopter.

PMEs to be used onsite will not be refuelled or repaired at the works areas, thus there will be no storage of chemicals, lube or fuel onsite.

For removal and dismantle works in close vicinity to watercourses and reservoirs, besides the good site practices outlined in *ProPECC PN 1/94*, control and design measures stipulated in *ETWB TC (Works) No. 5/2005 Protection of Natural Streams/Rivers from Adverse Impacts arising from Construction Works* should be followed where practicable. The following specific measures should be included:

- Construction works close to the inland waters should be carried out in dry season as far as practicable where the flow in the surface channel or stream is low.
- Temporary isolation of work site in the proximity of watercourses and reservoirs using sandbags;
- Minimizing disturbance to the existing vegetation alongside the stream banks;
- The use of less or smaller construction plants may be specified in areas close to the watercourses and reservoirs to reduce the disturbance to the surface water.
- Keeping stockpiles of removal and dismantle material covered and away from watercourses and reservoirs; and
- Covering and disposing debris and spoil as soon as possible.

The Conditions of Working within Water Gathering Ground issued by WSD are included in ***Appendix F***. These conditions would be strictly followed for all works with WGG.

5.1.4 Waste Management

To minimise the amount of removal and dismantle waste, good site management practice will be adopted by the contractors of the Project and waste to be generated on-site will be properly segregated to increase the potential for reuse and recycling. Removal and dismantle waste generated from the Project, if any, will be transported offsite by truck for proper disposal. The quantity of general refuse to be generated on-site will be minimal owing to the small number of workers involved and will be taken away from the Site by the workers for proper disposal on a daily basis. Different types of waste will be disposed of in accordance with *Waste Disposal Ordinance* and its subsidiary regulations.

5.1.5 Terrestrial Ecology

In order to minimise the potential disturbances arising the project, good site/ construction practice and housekeeping measures should be adopted. Avoidance, minimisation and preventive measures and good construction practices are recommended below.

Avoidance and Minimisation

As mentioned in **Section 1.4.4**, the Project Proponent exerted great efforts during the planning stage of the Project, where site visits were conducted with contractors to optimise the removal procedures to minimise impact on vegetation and trees and habitat loss at any stage of the Project. The following avoidance and minimisation measures have been incorporated into the entire project lifecycle:

- Although the pylons to be dismantled are located within Pok Fu Lam Country Park, Aberdeen Country Park and Pok Fu Lam Catchment Area SSSI, the contractors are required to avoid any unnecessary encroachment of the Project onto natural habitats within the country parks and SSSI and use minimal space as the works areas.
- The works areas have been optimised to include surrounding space of pylons with minor extra extension and some small isolated works areas for certain pylons. Direct impact on flora species of conservation importance is also avoided wherever technically feasible.
- The works area of each pylon has been critically reviewed and restricted to the area underneath the pylons and nearby areas of limited size, aiming to avoid/ minimise the impacts to the nearby trees and other ecological resources. As most of the pylons located within woodland or shrubland which supported with dense vegetation. In order to minimise and localise the loss of vegetation, the works area has avoided encroaching densely wooded area as far as practicable. Tree pruning and tree felling have been minimised as far as possible by adjusting the works area and it will be undertaken only when it is in a direct and unavoidable conflict with any construction activities. The total Works Areas for 51 pylons have been reduced from 11,632 m^2 as originally proposed by the contractor to 9,811 m^2 with most of the densely wooded areas have been avoided as far as possible.
- Wherever possible, the Project has maximised its distance to natural watercourses and other potentially importance habitats for amphibians and freshwater fish, in order to minimise the potential impacts to amphibians and freshwater fish. Proposed works at B21 and B22 located in the close vicinity to watercourses will be scheduled outside wet season (April – October).
- Electrical hand-held percussive breaker and other hand tools will be used for the dismantle works instead of the mechanical equipment such as excavators to further minimise the potential disturbance to the surrounding natural habitats and associated wildlife (esp. fauna species of conservation importance).
- Before the commencement of dismantle works, additional site visit(s) will be conducted at the pre-construction phase to review the validity and practicality of the proposed works areas. Subject to the up-to-date site conditions, the works areas may be fine-tuned with the aim to minimise direct impacts on the woodland habitat (i.e. with minimum level of vegetation clearance), tree pruning and tree felling. The findings of the additional site visit(s) and the final extent for works area would be submitted to AFCD for review and agreement prior to the commencement of dismantle works.

Preventive Measures

- A number of plant species of conservation importance are present in the close vicinity of the proposed works area and along the accessing path connecting to pylons, including but not limited to *Aquilaria sinensis, Artocarpus hypargyreus, Canthium dicoccum, Diospyros vaccinioides, Endospermum chinense, Enkianthus quinqueflorus, Eulophia graminea, Geodorum densiflorum, Pavetta hongkongensis* and *Rhododendron simsii*. The identified flora species of conservation importance will be retained in situ. A protection zone for the species will be established wherever practicable, and the workers will be briefed to be aware and avoid trampling or any damaging the species. See **Figures C2.1** to **C2.18** for the anticipated protection zone. The identified individual will be marked by warning sign during decommission work to ensure contractors are aware of the concerned plant.
- For the flora species of conservation importance identified within the works area, i.e. *Eulophia graminea* and *Geodorum densiflorum* at W7, *Diospyros vaccinioides* and *Endospermum chinense* at B8, B15 and W21, *Pavetta hongkongensis* at B6, they will be preserved in situ as far as technical feasible and area available. For the *Eulophia graminea, Endospermum chinense*, *Diospyros vaccinioides*, *Geodorum densiflorum* and *Pavetta hongkongensis* found at B6, B8, W7, B15 and W21, a metal cage will be built to avoid trampling/ damage/ disturbance by works.

Should any new flora species of conservation importance to be identified during the pre-construction vegetation survey, similar means of protective measures should be applied to minimise potential damage on the plant(s). The results of the pre-dismantle vegetation survey and associated protective measures will be submitted to AFCD for review before commencement of works.

- Upon completion of the dismantling activities, the affected habitats including woodland, shrubland/ grassland and developed area/disturbed area will be reinstated by planting native trees and vegetation. Possibly, some developed area/disturbed areas which used to be the concrete ground under the pylon, will be also converted to vegetated habitat through plantation and integrate with adjacent natural habitats. The details of reinstatement requirement, including reinstatement arrangement, associated reporting, monitoring, maintenance and management requirement will further be discussed and agreed with AFCD separately before the reinstatement.
- Before the commencement of dismantle works, additional ecological survey with focus to presence of any active bird nests on the pylons. In case any active bird nest record on the pylon during the pre-construction phase, the dismantle works will be temporarily suspended considering that bird nests or egg are protected under Cap. 170 Wild Animals Protection Ordinance. The record of active bird nest will report to AFCD and the procedure of the pylon dismantle works will further discuss and agree with AFCD.
- The boundary of the works area will be clearly marked by temporary fence where possible and soft PVC tape at area where space is limited. The works area boundaries will be regularly checked to ensure that they are not breached and that no damage occurs to surrounding areas/ country parks, particularly to any identified flora of conservation importance nearby.
- Disturbance to adjacent watercourse/ water body and the riparian woodland or shrubland/ grassland habitats will be avoided, as the construction activities will be strictly restricted within the works area boundaries.
- For the works area with watercourse/ water body nearby, temporary drainage system with sand traps and oil and grease removal facilities, in accordance with the Practice Notes for Professional Persons on "*Construction Site Drainage*" (ProPECC PN 1/94) will be provided to control surface runoff and the potential pollution to the adjacent streams. Pollutants, if any, will be pre-treated and settled before discharge at discharge points.
- Prevent runoff from the construction works. In the event of rain or at any time when rainstorms are likely to happen, exposed surfaces should be covered by tarpaulin or by other means.
- Avoid any damage and disturbance, particularly those caused by filling and illegal dumping to the surrounding natural habitats and especially those within the Country Park. The contractors will be required to provide proofs of dismantled materials dumping (i.e. waste disposal ticket issued by landfill office and recycling receipt). The total weight of dumped materials would be reviewed and endorsed.
- Prohibit and prevent open fires within the works area boundary during construction and provide temporary firefighting equipment in the work areas.
- Good site practice should be enforced and effective preventive measures are required. Works site should be kept tidy at all times. Accumulation of construction waste and general refuse should not be allowed.

Ecological Survey Review and Site Audit

Flora Species of Conservation Importance

- Before the commencement of construction works, additional site visit(s) and vegetation survey will be conducted at pre-construction phase to verify the practicality of the proposed works areas. Subject to the up-to-date site conditions, the works area may be fine-tuned with the aim to minimise direct impact on woodland habitat, i.e. with minimum level of vegetation clearance, tree pruning and tree felling. Should any new flora species of conservation importance to be identified during the pre-construction vegetation survey, similar means of protective measures should be applied to minimise potential damage on the plant(s). The results of the pre-construction vegetation survey and associated protective measures will be submitted to AFCD for review before commencement of works.

Fauna Species of Conservation Importance

- Additional ecological survey with focus to presence of any active bird nests on the pylons. In case any active bird nest record on the pylon during the pre-construction phase, the dismantle works will be temporarily suspended considering that bird nests or egg are protected under Cap. 170 *Wild Animals Protection Ordinance*. The record of active bird nest will report to AFCD and the procedure of the pylon dismantle works will further discuss and agree with AFCD.

Site Inspection

- During the dismantle works, HK Electric will conduct weekly site audit with site audit checklist to ensure the Contractor proposed good site practices are in place and effective. The Contractor will follow up the observations and findings.
- During the dismantle works, monthly site visit by a HK Electric's representative will be conducted at the active works areas to ensure the appropriate and successful implementation of the measures mentioned above.
- In any case of non-compliance, AFCD should be reported, and the Contractor should propose immediate remedial actions subject to be reviewed and agreed by HKE and AFCD.

5.1.6 Landscape and Visual

The following control measures for landscape impact shall be adopted:

- Managing construction waste appropriately;
- Upon completion of the removal works, natural reinstatement will be carried out in the Works Area;
- For tree compensation (if tree felling be unavoidable), a minimum ratio of 1:1 tree compensation with native species will be applied; and
- Regular check the work site boundaries to ensure that they are not breached and that no damage occurs to surrounding vegetation/ tree.

5.1.7 Cultural Heritage

As discussed in **Section 4.9**, there are two Declared Monuments, two Graded Historic Buildings and four Historic Buildings/ Structures built before 1969 identified 100m from the works areas of the Project. Due to the large separation distance (over 50m) of the these built heritage resources from the Works Area of the closest pylons, no adverse direct or indirect (such as vibration impacts) to these identified built heritage resources is anticipated. Furthermore, although the declared monument, Aberdeen Upper Reservoir, Dam (DM-02), will be used as access road for transportation of equipment and materials for removal and dismantle work of Pylon B14, only Light Goods Vehicle

(LGV) of no more than 3 tonnes will be used along the Dam, no lorry crane will not be used along the Dam. Potential damage to the Dam is not anticipated.

No Site of Archaeological Interest (SAI) and government historic site identified by AMO identified within 100m from the works areas of the Project, no impact is anticipated.

The works areas for pylons removal and dismantle work will only be limited space around the pylons in disturbed ground without archaeological potential, no adverse direct or indirect archaeological impacts is anticipated. No mitigation measures is required. As a precautionary measure, the project proponent and his/ her contractor are required to inform AMO immediately when any buildings / structures both at grade and underground which were built in or before 1969, that would likely be affected by the proposed works, or antiquities or supposed antiquities under the *Antiquities and Monuments Ordinance* (Cap. 53) are discovered during the course of works, so that appropriate mitigation measures, if needed, can be timely formulated and implemented in agreement with AMO.

5.2 Operation Phase

Since no operational impacts are anticipated during operation phase, no mitigation measures are required.

6. USE OF PREVIOUSLY APPROVED EIA REPORTS/ DIRECT APPLICATIONS FOR AN ENVIRONMENTAL PERMIT

Reference has been made to the following Project Profile for direct application of Environmental Permit due to the similarity in work nature, purpose and characteristics of the project.

- *Removal of 132kV Overhead Line and Pylons for P-Line, PP-636/2021 submitted for Application No DIR 287/2021.*

Table 6.1 Previously Approved Direct Application for an Environmental Permit

EIAO Application No. and Title	Date of Approval	Environmental Aspects Addressed	Findings and Recommended Measures of Relevance to this Project
AEP-603/2021 Removal of 132kV Overhead Line and Pylons for P-Line	14 January 2022	Air Quality, Noise, Water Quality, Waste Management, Terrestrial Ecology, Landscape and Visual, Cultural Heritage,	This project involves the removal of the 132kV overhead line and pylons of P-Line with total length of 4.7km from Deep Water Bay Road to Tai Tam Road which is similar in nature to the current project. A large portion of the project is located within Tai Tam Country Park, Tai Tam Country Park (Quarry Bay Extension) and Tai Tam Reservoir Catchment Area Site of Special Scientific Interest. The impacts related to removal and dismantling works and recommended mitigation measures could be of relevance. In particular, the impacts related to water quality, waste management and terrestrial ecology such as construction waste generation, site runoff, vegetation clearance etc. Relevant mitigation measures to project that can be referred to include implementation of good site practices, protection/preventive measures for flora/fauna species of conservation concern and implementation of pre-construction ecological surveys and site inspection.

7. CONCLUSION

The Project will involve the removal and dismantling works for the B-Line and W-Line which is located within the Pok Fu Lam Country Park, Aberdeen Country Park and SSSI of Pok Fu Lam Reservoir Catchment Area and Nam Fung Road Woodland. During the planning stage of the Project, the Project Proponent has exerted effort to avoidance and minimise the potential impacts, where decommission techniques have been optimised. The selection of the works areas for each pylon has taken into consideration the nature of the area to minimise potential environmental disturbances to sensitive receivers arising from the implementation of the Project.

The scale of the removal and dismantle works is small, mainly utilising small-scale plants and equipment/ machineries and hand tools, and helicopter will be used for material transportation at some of the locations without proper land access. The Project will not impose any adverse environmental impacts during operation. The overall environmental impacts potentially arising from Project are therefore considered to be minor, and in fact with positive impact in terms of the visual impact. Based on the above, the Project is unlikely to give rise to adverse environmental impacts.

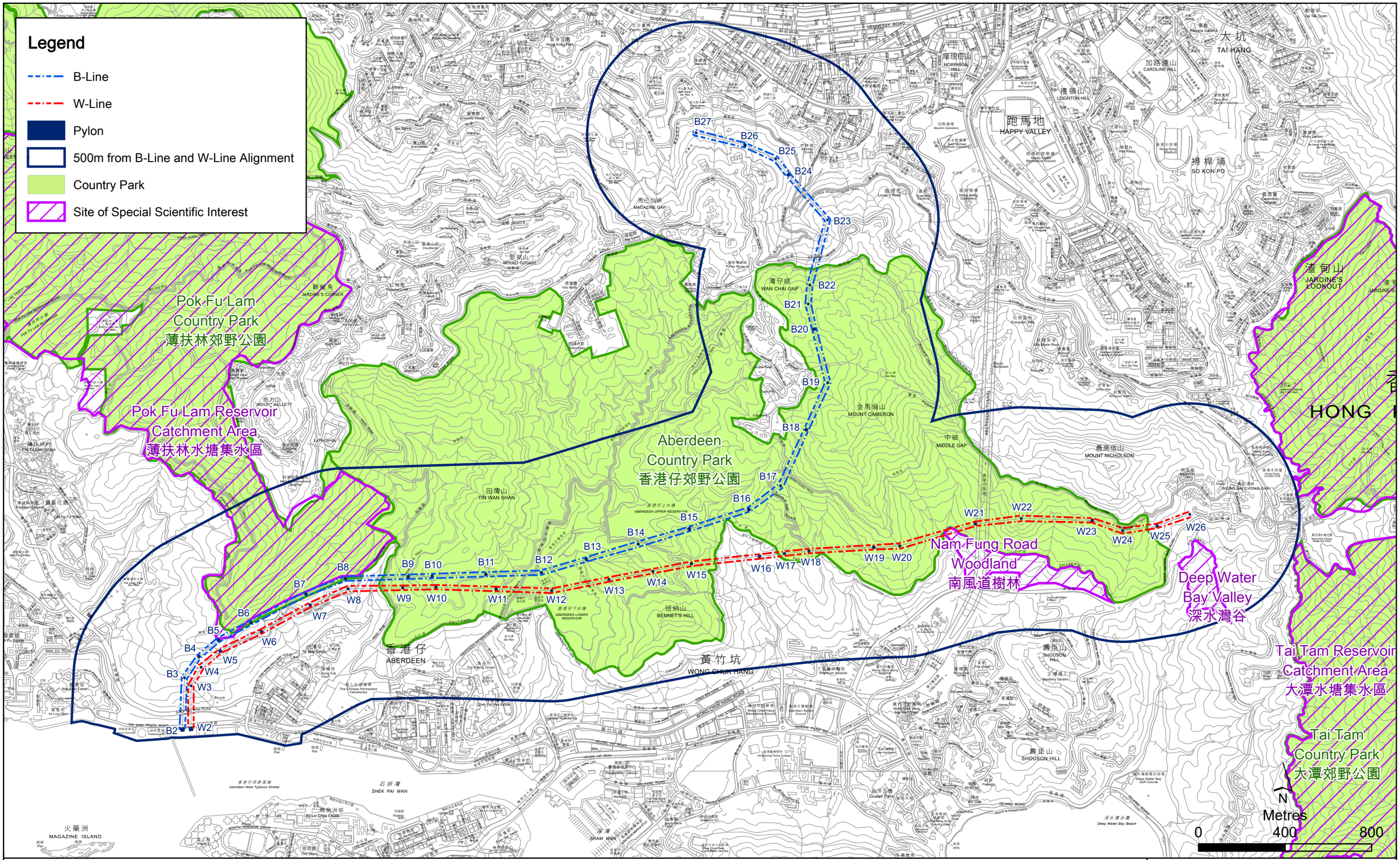


Figure 1.1

Removal of 132kV Overhead Line and Pylons for B-Line and W-Line

File: T:\GIS\CONTRACT\0643361\mxd\0643361_B-Line_&_W-Line.mxd
Date: 11/7/2023

Environmental Resources Management

ERM

Legend

- B-Line
- W-Line
- Pylon
- 500m from B-Line and W-Line Alignment
- Country Park
- Site of Special Scientific Interest
- Declared Monument

Graded Historic Building

- Grade 2
- Grade 3

Outline Zoning Plan (OZP)

- Commercial (C)
- Country Park (CP)
- Government, Institution or Community (G/IC)
- Green Belt (GB)
- Industrial (I)
- Land Development Corporation (LDC)
- Major Road and Junction (MRDJ)
- Open Space (O)
- Other Specified Uses (OU)
- Residential (Group A) (R(A))
- Residential (Group B) (R(B))
- Residential (Group C) (R(C))
- Residential (Group E) (R(E))
- Site of Special Scientific Interest (SSSI)
- Urban Renewal Authority Development Scheme Plan Area (URA)

The 21-Arch Section of the Bowen Aqueduct
Aberdeen Country Park
香港仔郊野公園
Aberdeen Upper Reservoir, Dam
Aberdeen Upper Reservoir, Valve House
Aberdeen Upper Reservoir, Bridge
Aberdeen Lower Reservoir, Aberdeen Management Centre
Aberdeen Lower Reservoir, Chemical House and Air Vents
Aberdeen Lower Reservoir, Pump House
Aberdeen Lower Reservoir, Valve House
Aberdeen Lower Reservoir, Dam
Nam Fung Road Woodland
南風道樹林
Deep Water Bay Valley
深水灣谷
Tai Tam Country Park
大潭郊野公園
Tai Tam Reservoir Catchment Area
大潭水塘集水區
HONG KONG

N
Metres
0 400 800

Figure 3.1

Project Site and Surrounding Environment

File: T:\GIS\CONTRACT\0643361\mxd\0643361_Existing_Environment.mxd
Date: 1/11/2023

Environmental Resources Management

ERM

Legend

- Existing Air Sensitive Receiver
- Planned Air Sensitive Receiver
- B-Line
- W-Line
- Pylon
- 500m from B-Line and W-Line Alignment

Figure 4.1

Locations of Representative Air Sensitive Receivers (ASRs)

File: T:\GIS\CONTRACT\0643361\mxd\0643361_ASR.mxd
Date: 26/10/2023

Environmental Resources Management

ERM

Legend

- Noise Sensitive Receiver
- Planned Noise Sensitive Receiver
- B-Line
- W-Line
- Pylon
- 300m from B-Line and W-Line Alignment

N

Metres

0 400 800

Figure 4.2

Locations of Representative Noise Sensitive Receivers (NSRs)

File: T:\GIS\CONTRACT\0643361\mxd\0643361_NSR.mxd
Date: 20/7/2023

Environmental Resources Management

ERM

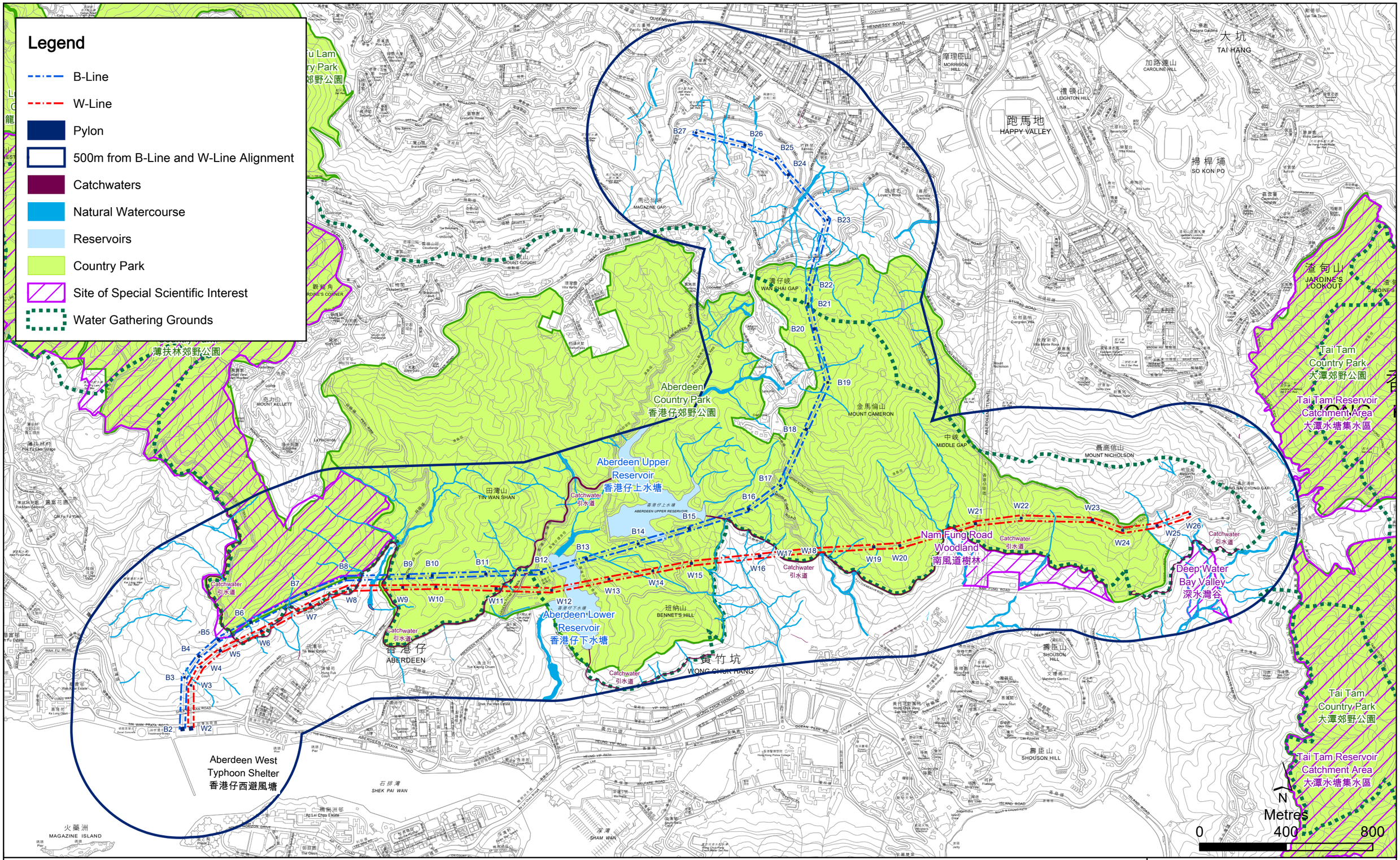


Figure 4.3

Locations of Water Sensitive Receivers

File: T:\GIS\CONTRACT\0643361\mxd\0643361_WSR.mxd
Date: 11/10/2023

Environmental Resources Management

ERM

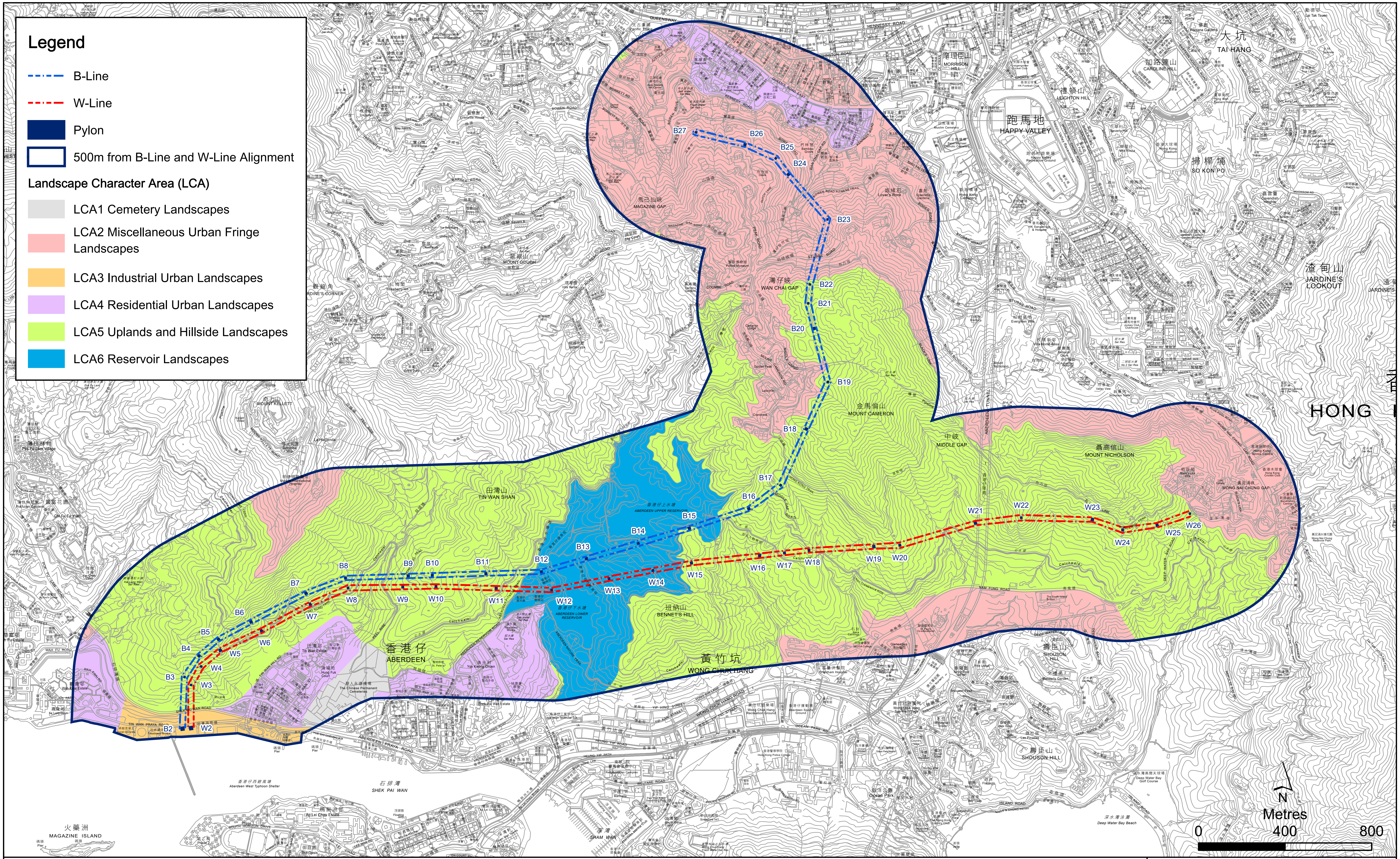


Figure 4.4

Landscape Character Area (LCA)

File: T:\GIS\CONTRACT\0643361\mxd\0643361_LCA.mxd
Date: 3/11/2023

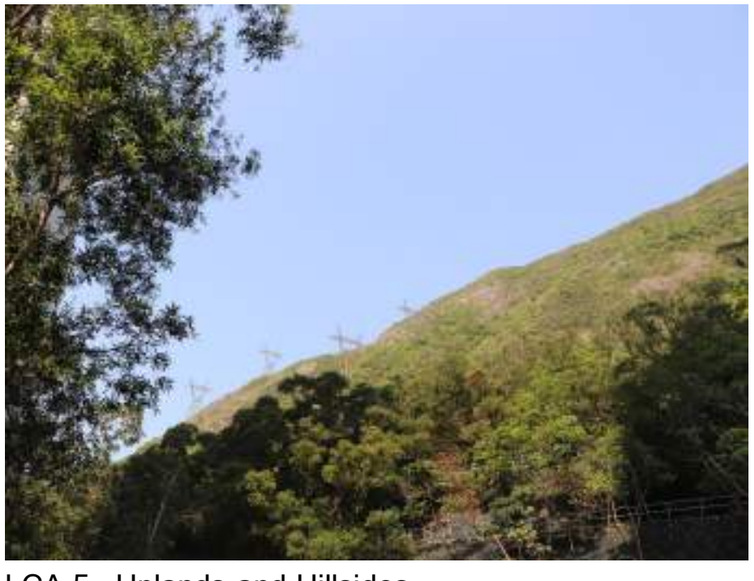
Environmental
Resources
Management

LCA 1 – Cemetery Landscapes

LCA 2 – Miscellaneous Urban Fringe Landscapes

LCA 3 – Industrial Urban Landscapes

LCA 4 – Residential Urban Landscapes



LCA 5 – Uplands and Hillsides

LCA 6 – Miscellaneous Urban Fringe Landscapes

Figure 4.5

Photographic Record of Landscape Character Area

Environmental Resources Management

ERM

Legend

- B-Line
- W-Line
- Pylon
- 500m from B-Line and W-Line Alignment

Habitat

- LR1 Woodland
- LR2 Shrubland/ Grassland
- LR4 Watercourse/ Water Body
- LR6 Developed/ Disturbed Area

B27 B26 B25 B24 B23 B22 B21 B20 B19 B18 B17 B16 B15 B14 B13 B12 B11 B10 B9 B8 B7 B6 B5 B4 B3 B2

W27 W26 W25 W24 W23 W22 W21 W20 W19 W18 W17 W16 W15 W14 W13 W12 W11 W10 W9 W8 W7 W6 W5 W4 W3 W2

N

Metres

0 400 800

Figure 4.6

Landscape Resources

File: T:\GIS\CONTRACT\0643361\mxd\0643361_LR.mxd
Date: 28/7/2023

Environmental Resources Management

ERM

LR 1 - Woodland

LR 2 - Shrubland / Grassland

LR 3 - Plantation

LR 4 - Watercourse/ Water Body

LR 5 - Sea Water

LR 6 -Developed / Disturbed Area

Figure 4.7

Photographic Record of Landscape Resources

Environmental Resources Management

ERM

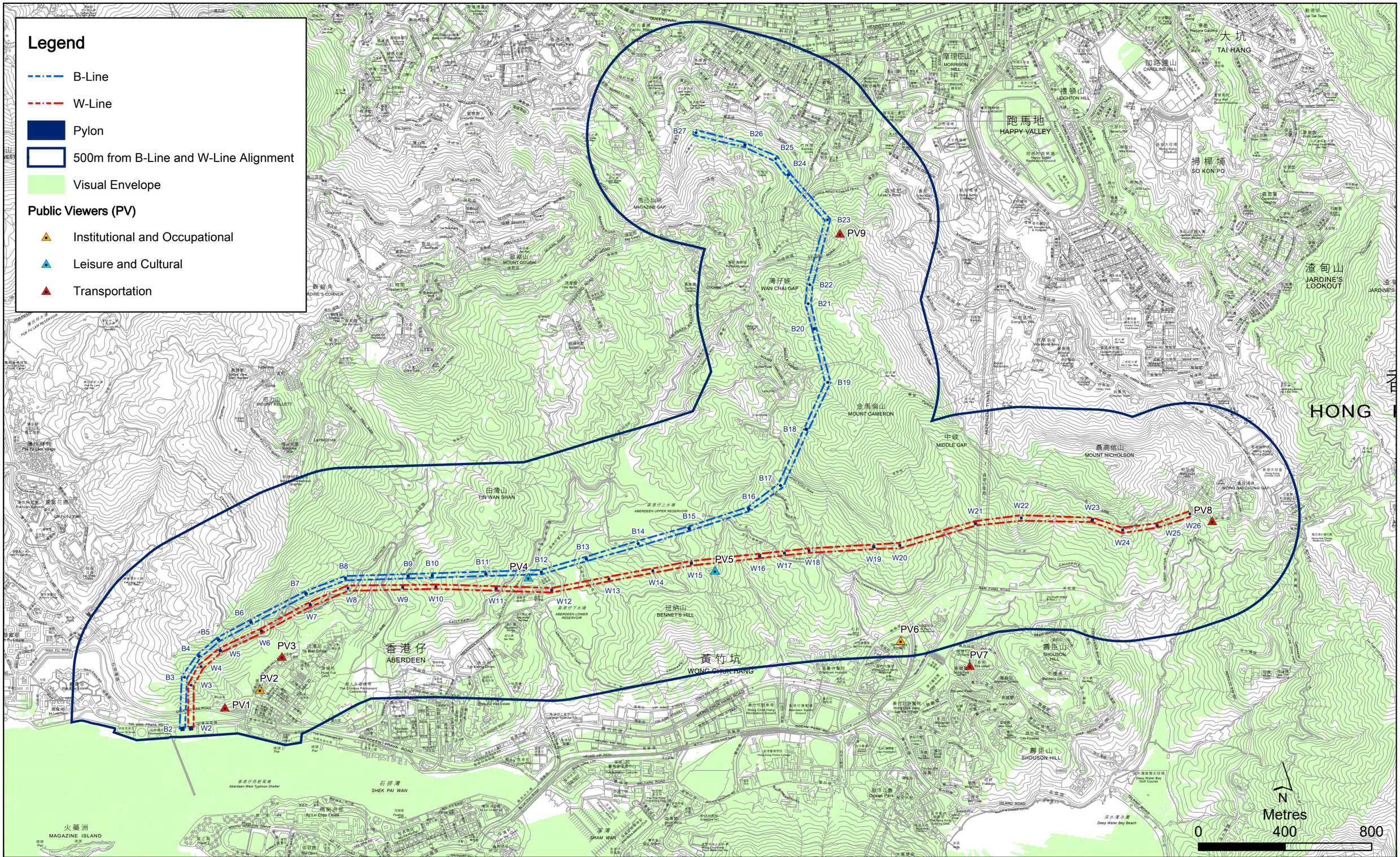


Figure 4.8

Public Viewers (PV)

File: T:\GIS\CONTRACT\0643361\mxd\0643361_VSR.mxd
Date: 1/11/2023

Environmental Resources Management

ERM

Existing View
Viewpoint of PV 1 – View to Pylons from Shek Pai Wan Road

Day 1 after completion

Existing View
Viewpoint of PV 2 – View to Pylons from Tin Wan Hill Road

Day 1 after completion

ERM

Figure 4.9a

Viewpoint of PV1 and PV 2

FILE:0643361
DATE: 4/5/2022

Existing View

Viewpoint of PV 3 – View to Pylons from Tin Wan Hill Road near Tin Wan Estate

Day 1 after completion

Existing View

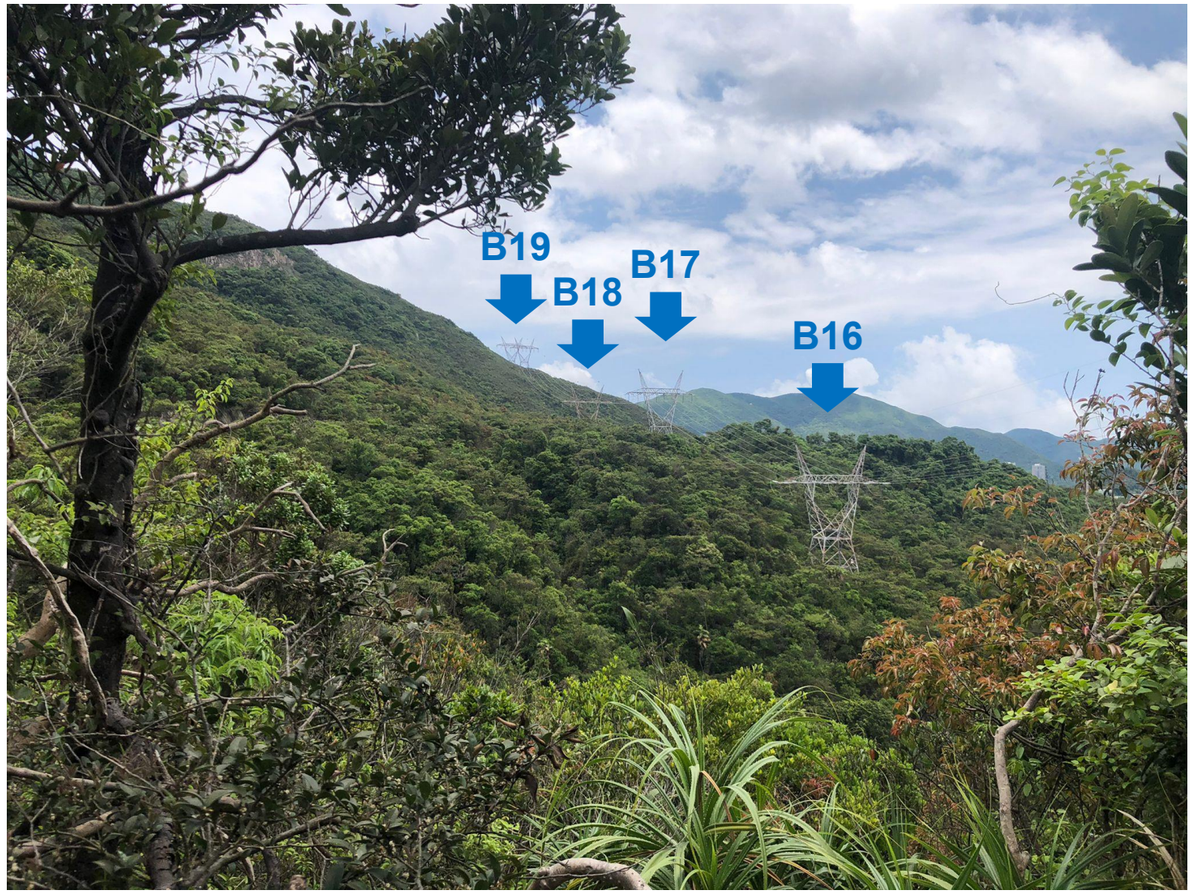
Day 1 after completion
Viewpoint of PV 4 – View to Pylons from Aberdeen Country Park

ERM

Figure 4.9c

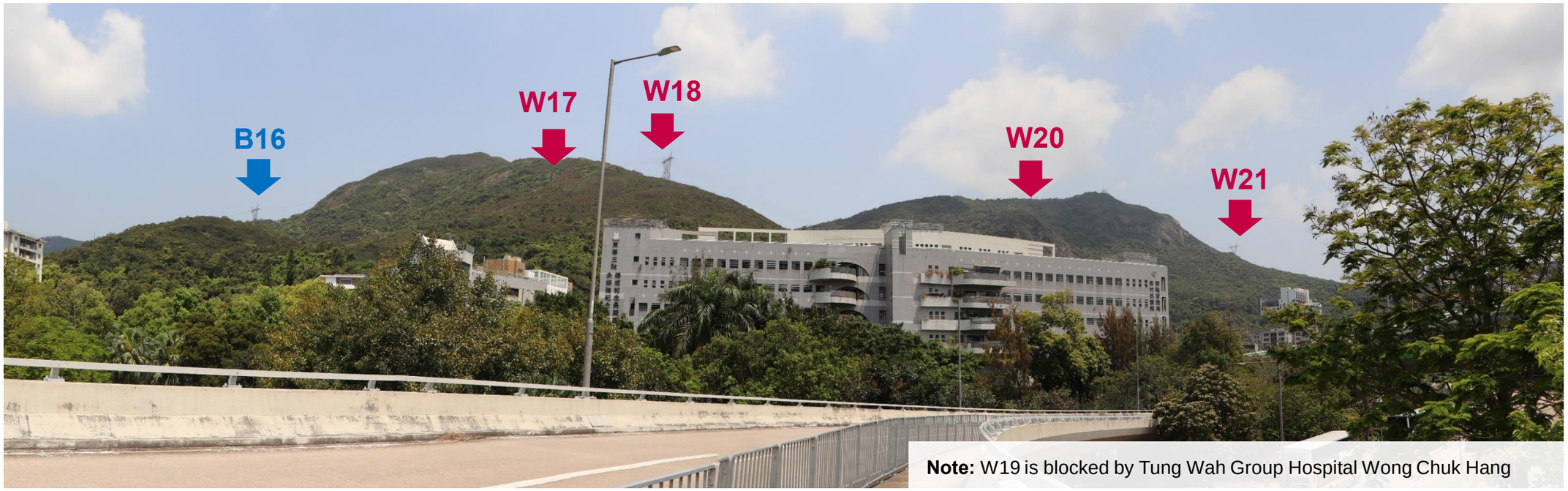
Viewpoint of PV 4

FILE:0643361
DATE: 4/5/2022



Existing View
Viewpoint of PV 5 – View to Pylons from Hong Kong Trail Section 4

Day 1 after completion



Note: W19 is blocked by Tung Wah Group Hospital Wong Chuk Hang

Existing View

Day 1 after completion
Viewpoint of PV 6 – View to Pylons from Wong Chuk Hang

ERM

Figure 4.9e

Viewpoint of PV 6

FILE:0643361
DATE: 4/5/2022

Existing View

Day 1 after completion

Viewpoint of PV 7 – View to Pylons from Shouson Hill

ERM

Figure 4.9f

Viewpoint of PV 7

FILE:0643361
DATE: 4/5/2022

Existing View

Day 1 after completion

Viewpoint of PV 8 – View to Pylons from Deep Bay

Existing View

Day 1 after completion

Viewpoint of PV 9 – View to Pylons from Stubbs Road

ERM

Figure 4.9g

Viewpoint of PV 8 and PV 9

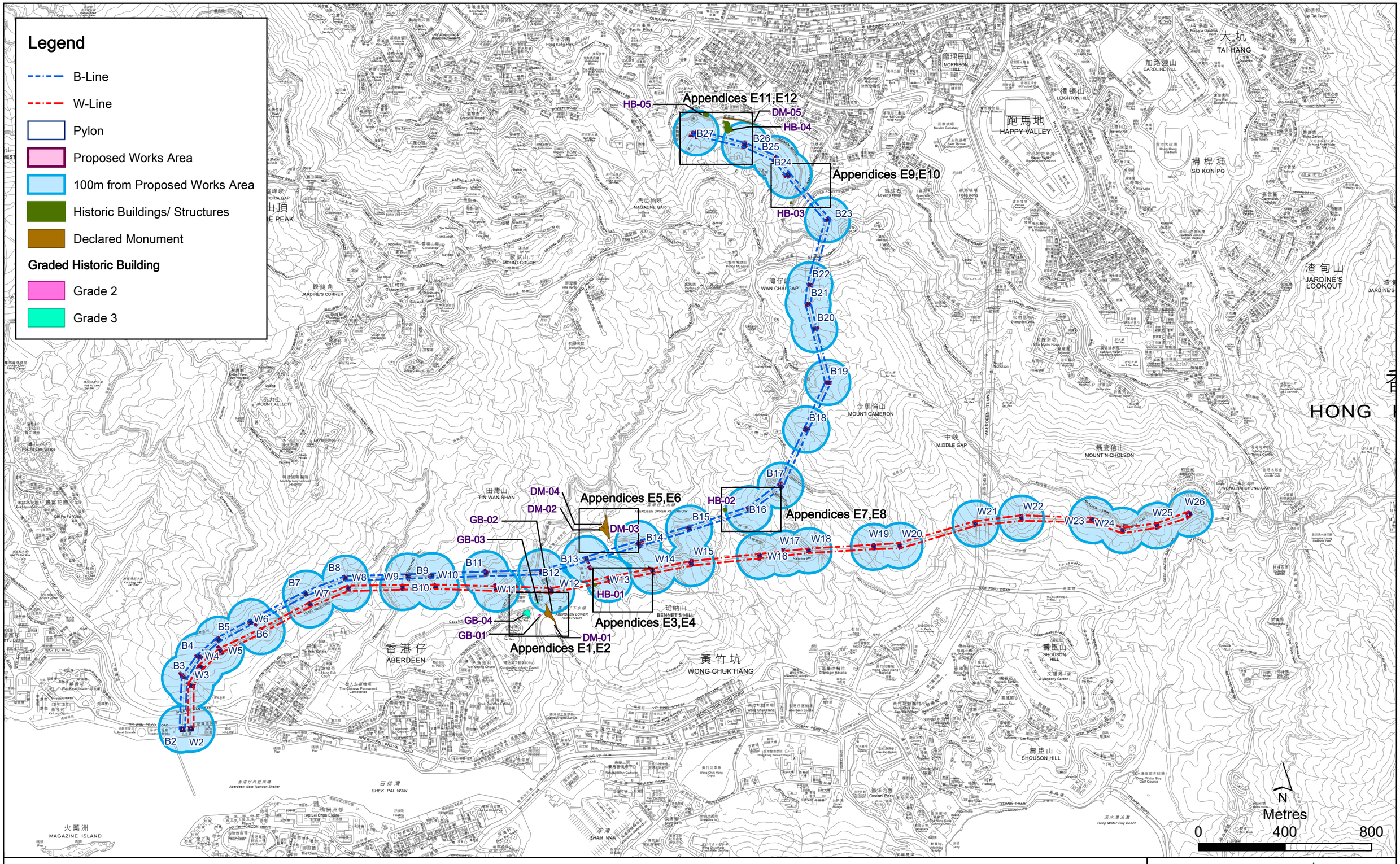


Figure 4.10

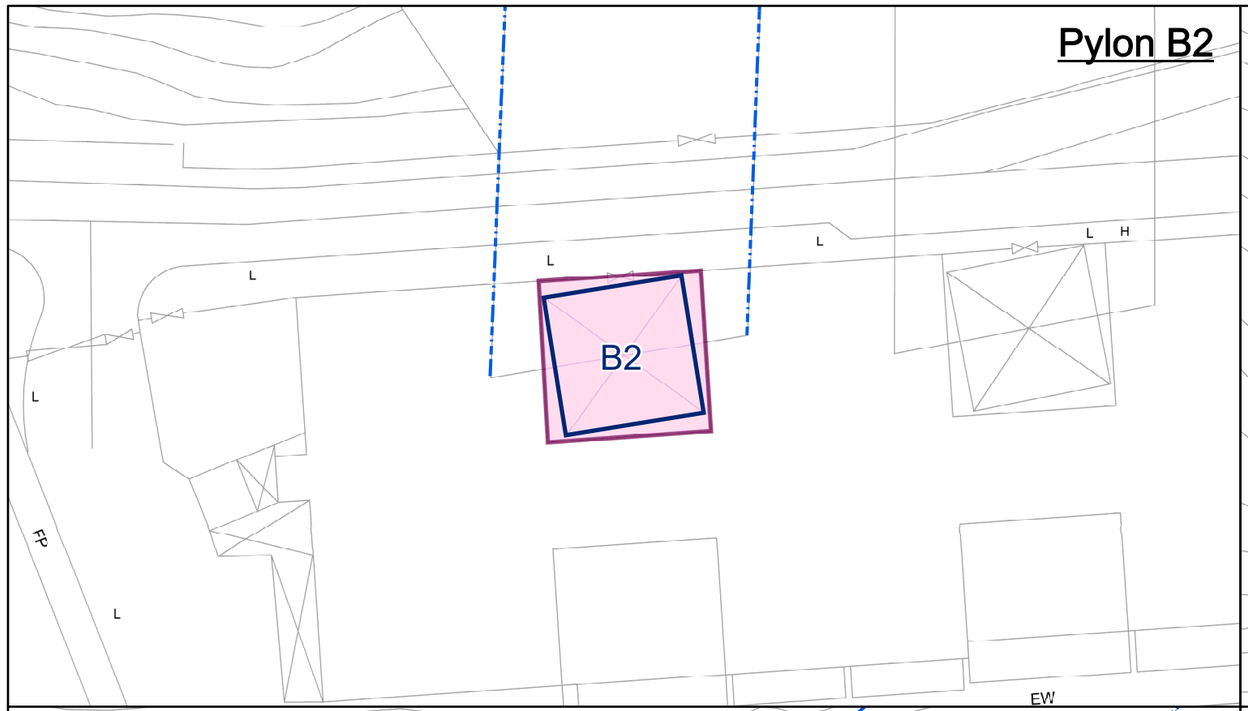
Cultural Heritage Resources

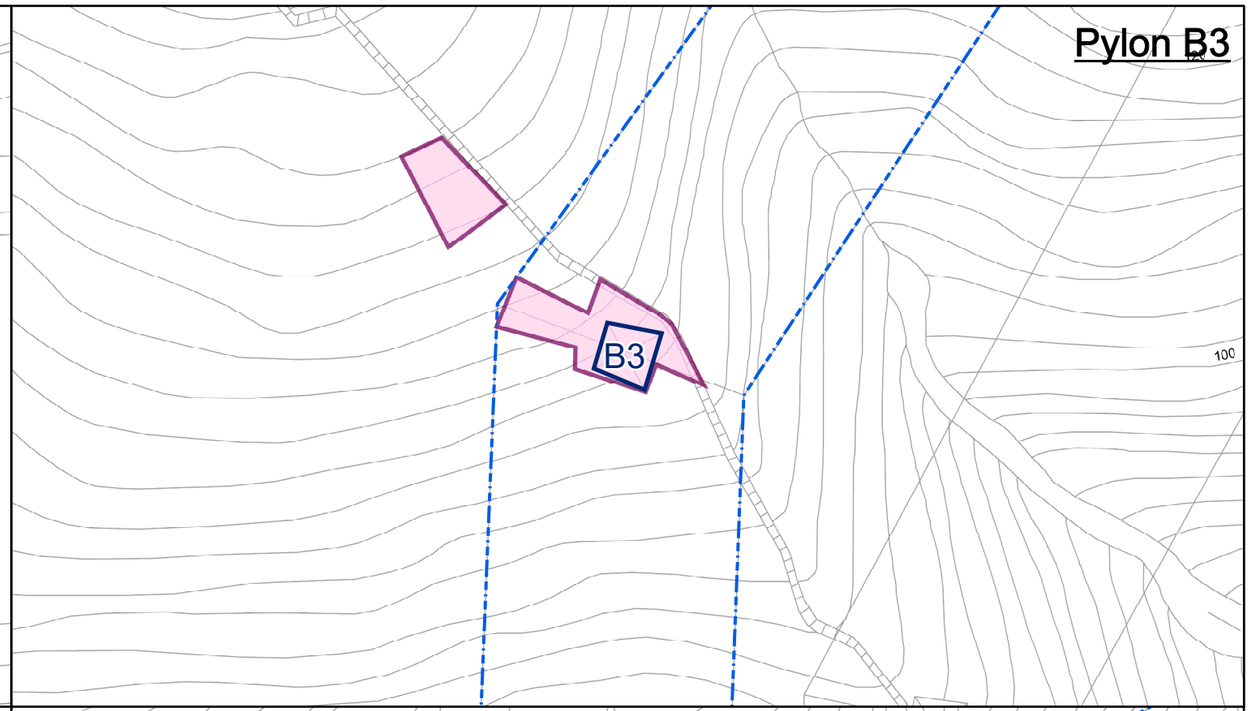
File: T:\GIS\CONTRACT\0643361\mxd\0643361_CHAA.mxd
Date: 20/11/2023

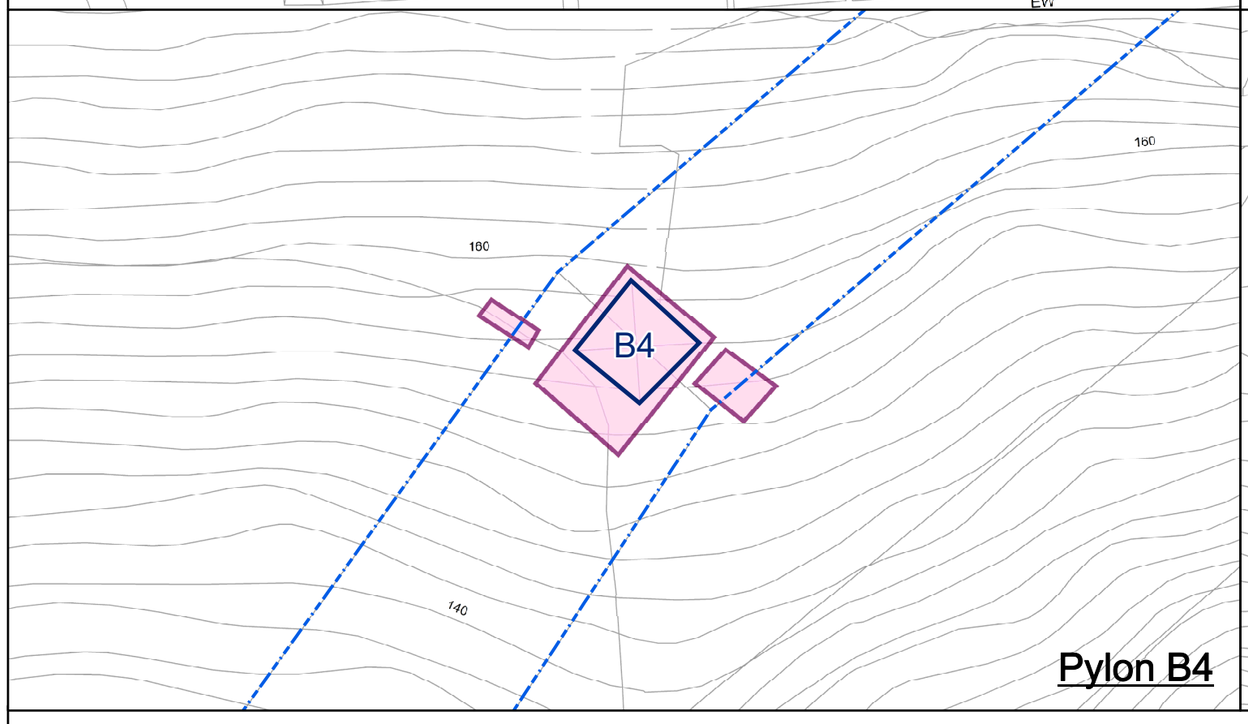
Environmental Resources Management

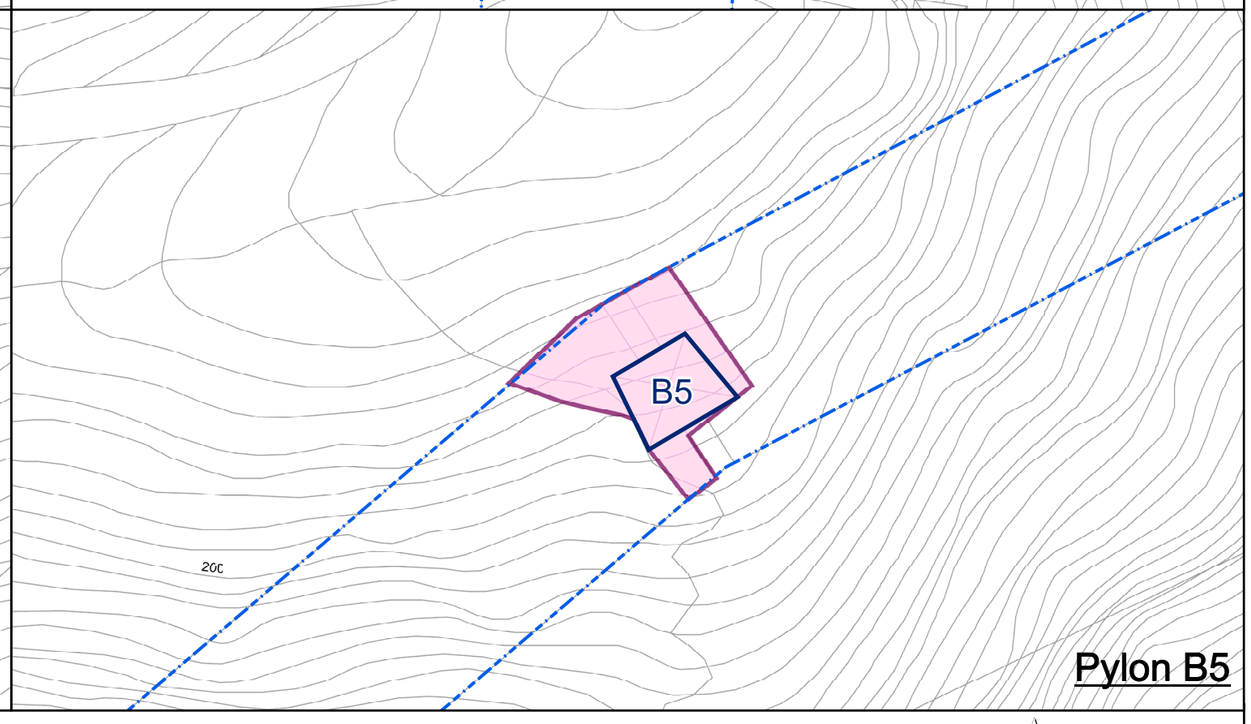
ERM

APPENDIX A DETAILS OF WORKS AREAS AND ILLUSTRATION OF WORKS









Legend

B-Line | Pylon | Proposed Works Area | Country Park

N

Metres

0 15 30

Appendix A1

Proposed Works Area for B-Line
(Sheet 1 of 7)

File: T:\GIS\CONTRACT\0643361\mxd\Proposed_Works_Area\0643361_Works_Area_for_B-Line_1.mxd
Date: 9/5/2023

Environmental Resources Management

ERM

Pylon B6

B6

180

Pylon B7

B7

140

B8

Pylon B8

FP

B9

FP

FP

Pylon B9

Legend

B-Line | Pylon | Proposed Works Area | Country Park

N

Metres

0 15 30

Appendix A1

Proposed Works Area for B-Line
(Sheet 2 of 7)

File: T:\GIS\CONTRACT\0643361\mxd\Proposed_Works_Area\0643361_Works_Area_for_B-Line_2.mxd
Date: 9/5/2023

Environmental Resources Management

ERM

Pylon B10

B10

200

Pylon B11

B11

180

160

B12

FP

香港仔
傷健樂園
燒烤區3號場

Aberdeen P.H.A.B.
Barbecue Area Site 3

香港仔
傷健樂園
燒烤區4號場

Aberdeen P.H.A.B.
Barbecue Area
Site 4

100

FP

Pylon B12

B13

香港仔自然教育徑

100

Pylon B13

Legend

B-Line | Pylon | Proposed Works Area | Country Park

N

Metres

0 15 30

Appendix A1

Proposed Works Area for B-Line
(Sheet 3 of 7)

File: T:\GIS\CONTRACT\0643361\mxd\Proposed_Works_Area\0643361_Works_Area_for_B-Line_3.mxd
Date: 7/6/2023

Environmental
Resources
Management

ERM

郊遊地點
Picnic Site

郊遊地點
Picnic Site

Pylon B14

B14

120

120

FP

140

B15

Pylon B15

240

B16

180

Pylon B16

B17

220

Pylon B17

Legend

B-Line | Pylon | Proposed Works Area | Country Park

N
Metres
0 15 30

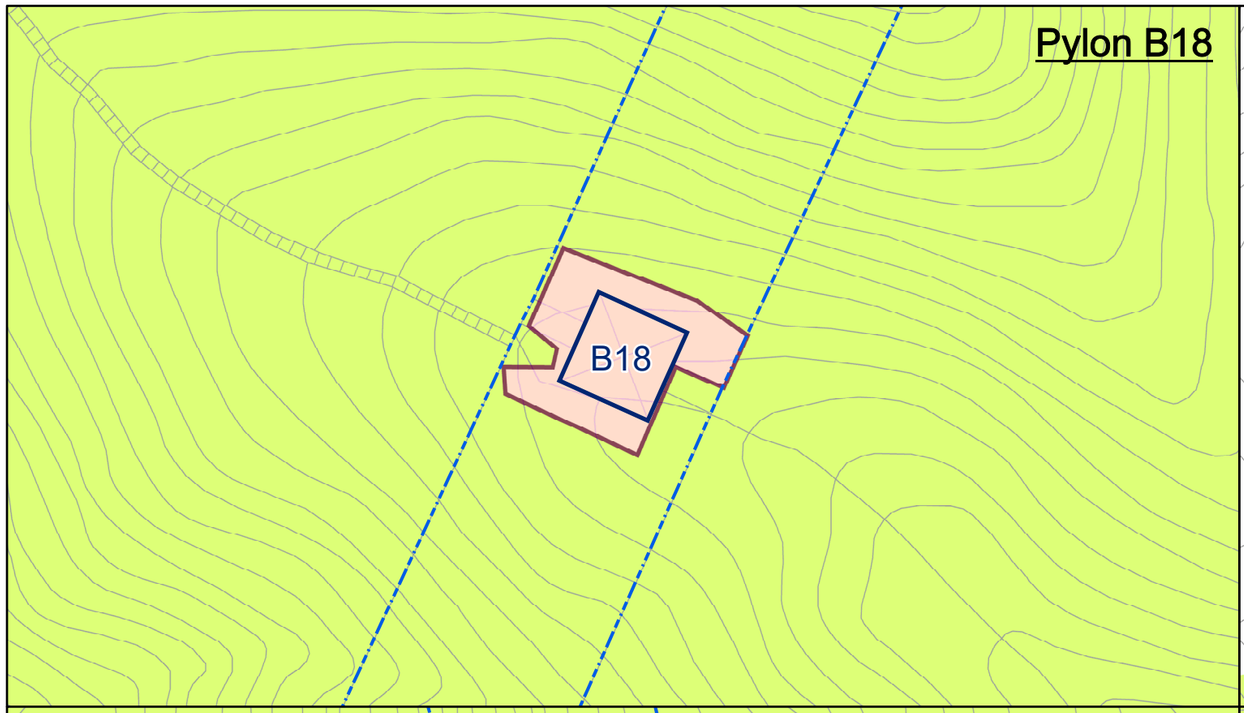
Appendix A1

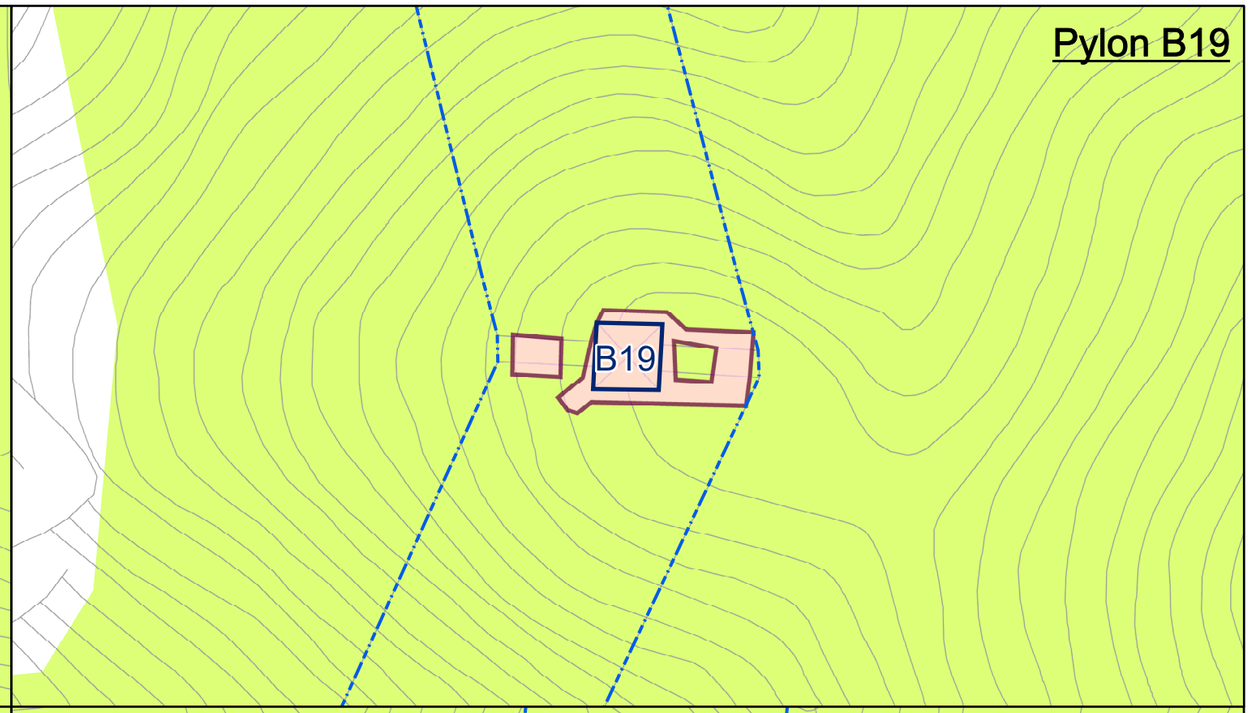
Proposed Works Area for B-Line
(Sheet 4 of 7)

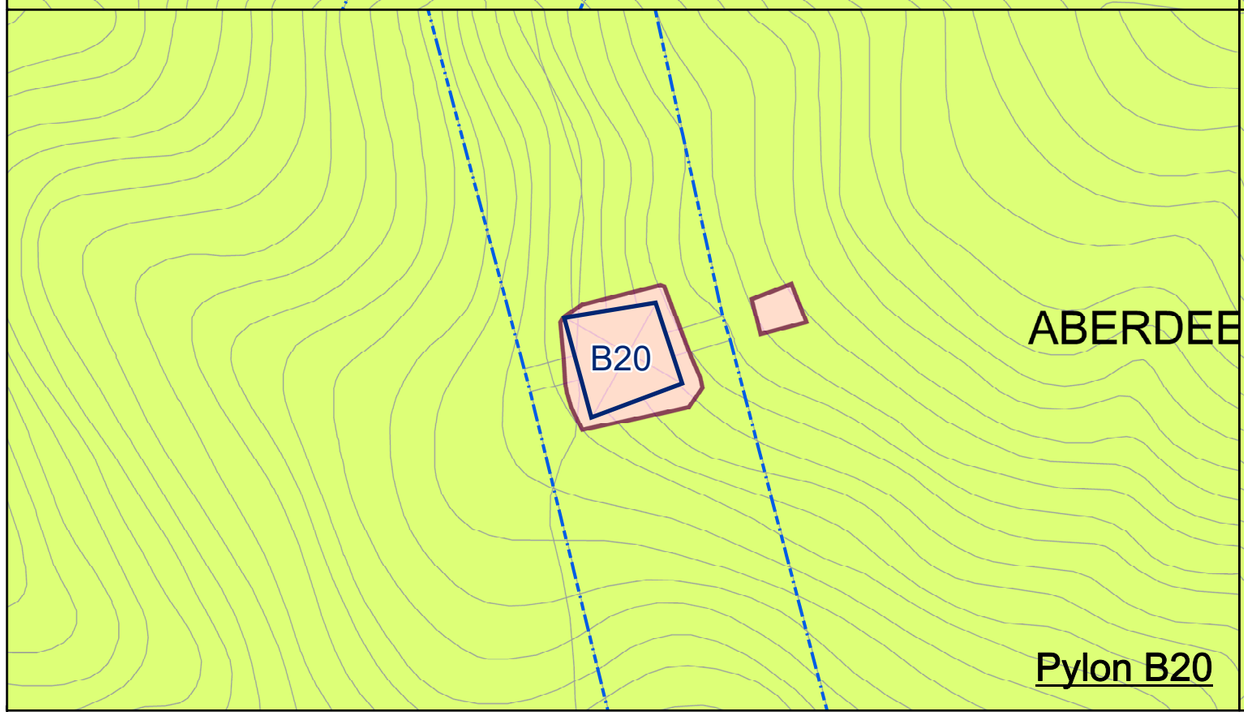
File: T:\GIS\CONTRACT\0643361\mxd\Proposed_Works_Area\0643361_Works_Area_for_B-Line_4.mxd
Date: 9/5/2023

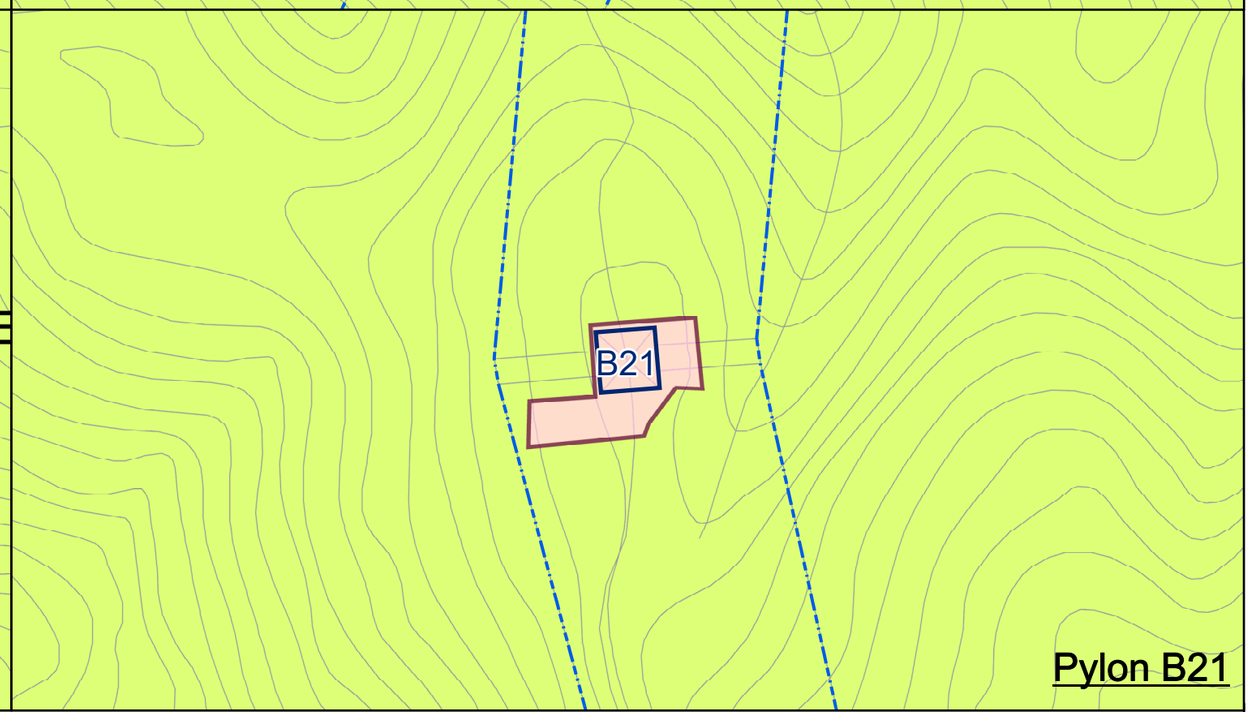
Environmental
Resources
Management

ERM









Legend

B-Line | Pylon | Proposed Works Area | Country Park

N

Metres

0 15 30

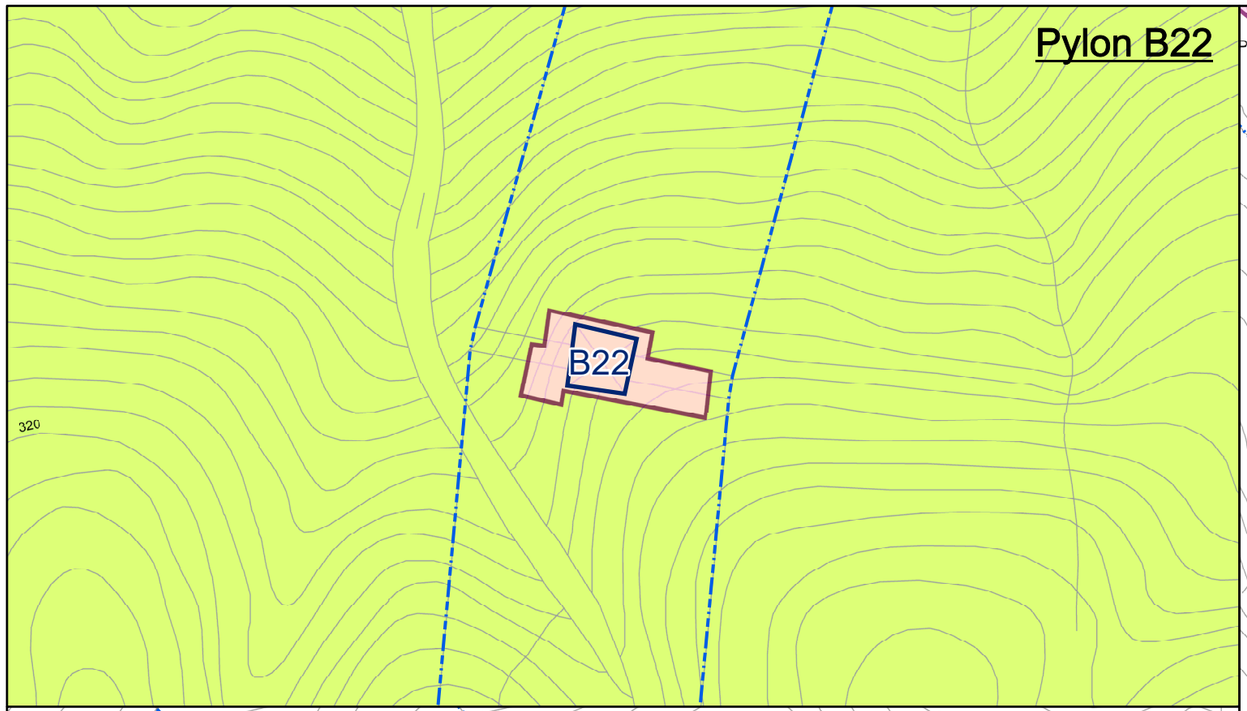
Appendix A1

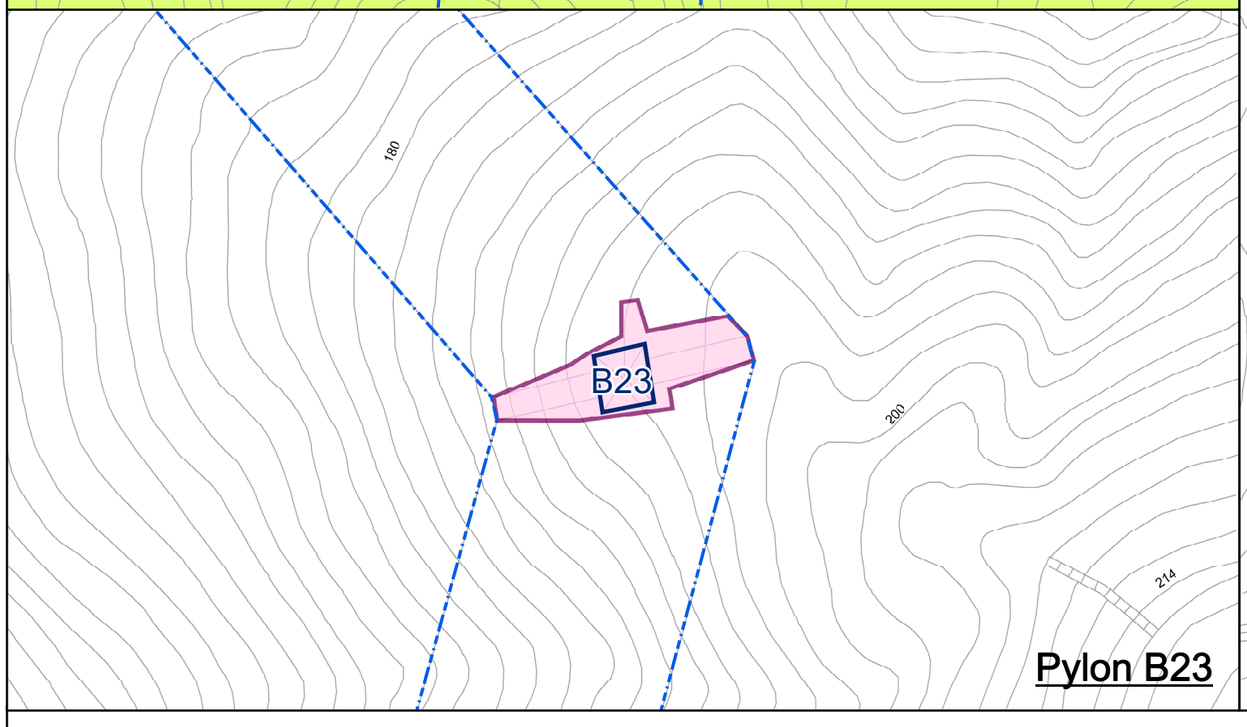
Proposed Works Area for B-Line
(Sheet 5 of 7)

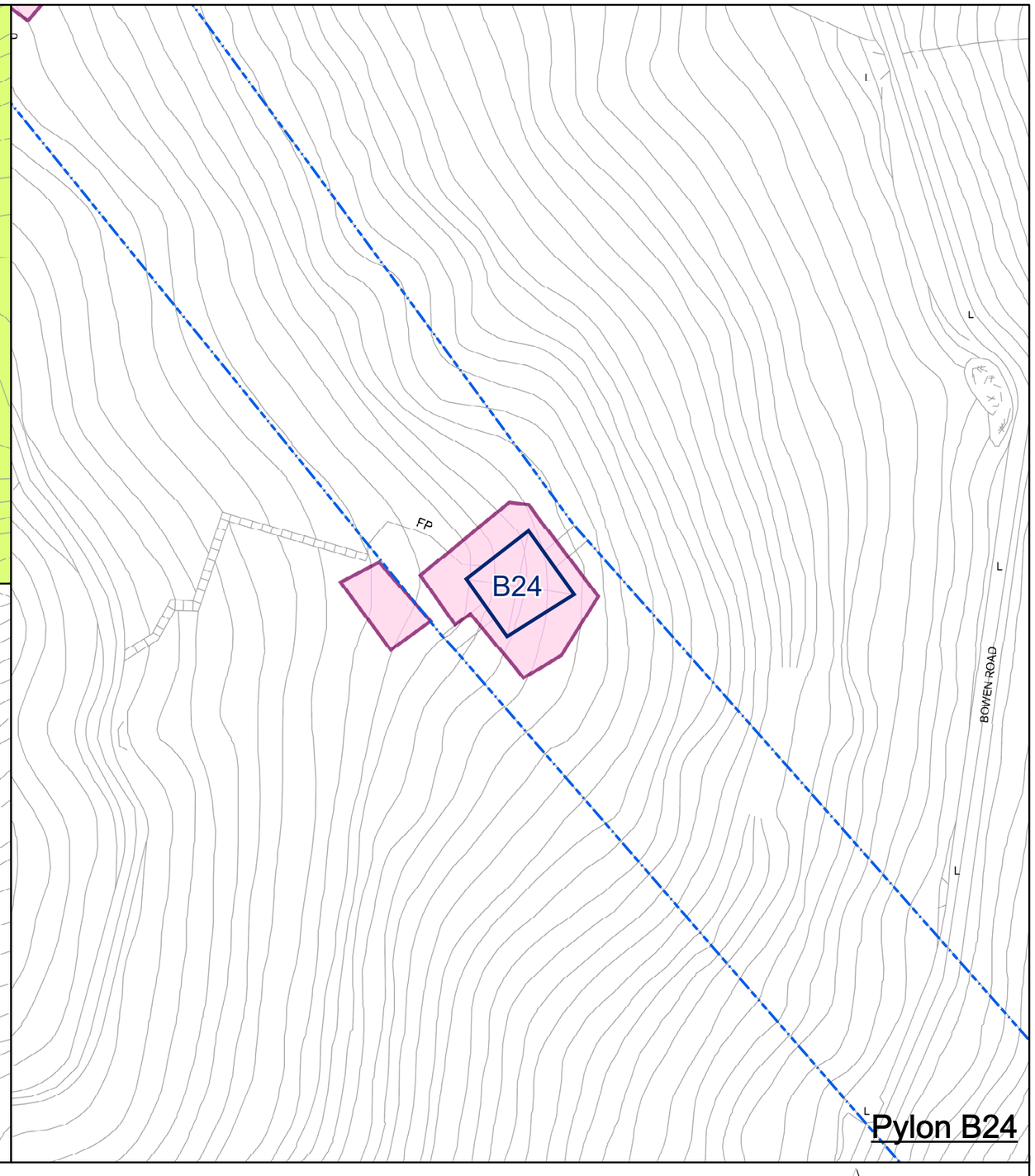
File: T:\GIS\CONTRACT\0643361\mxd\Proposed_Works_Area\0643361_Works_Area_for_B-Line_5.mxd
Date: 9/5/2023

Environmental Resources Management

ERM







Legend

B-Line | Pylon | Proposed Works Area | Country Park

N

Metres

0 15 30

Appendix A1

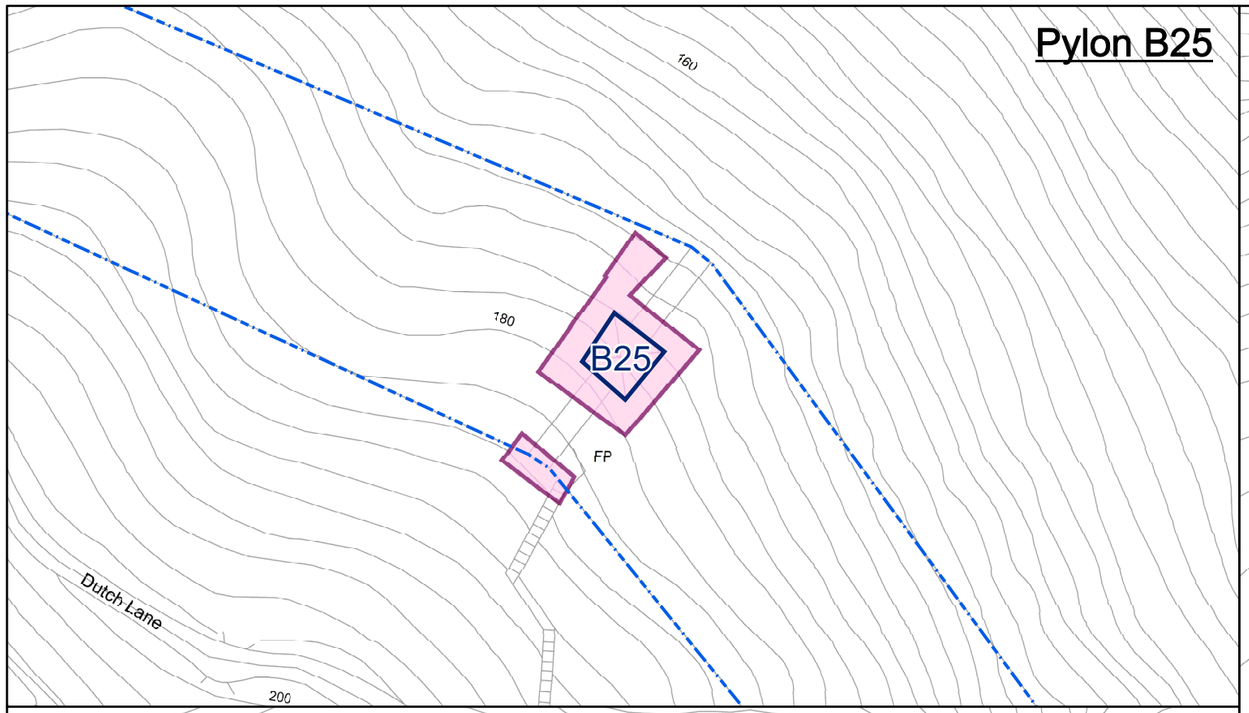
Proposed Works Area for B-Line
(Sheet 6 of 7)

File: T:\GIS\CONTRACT\0643361\mxd\Proposed_Works_Area\0643361_Works_Area_for_B-Line_6.mxd
Date: 9/5/2023

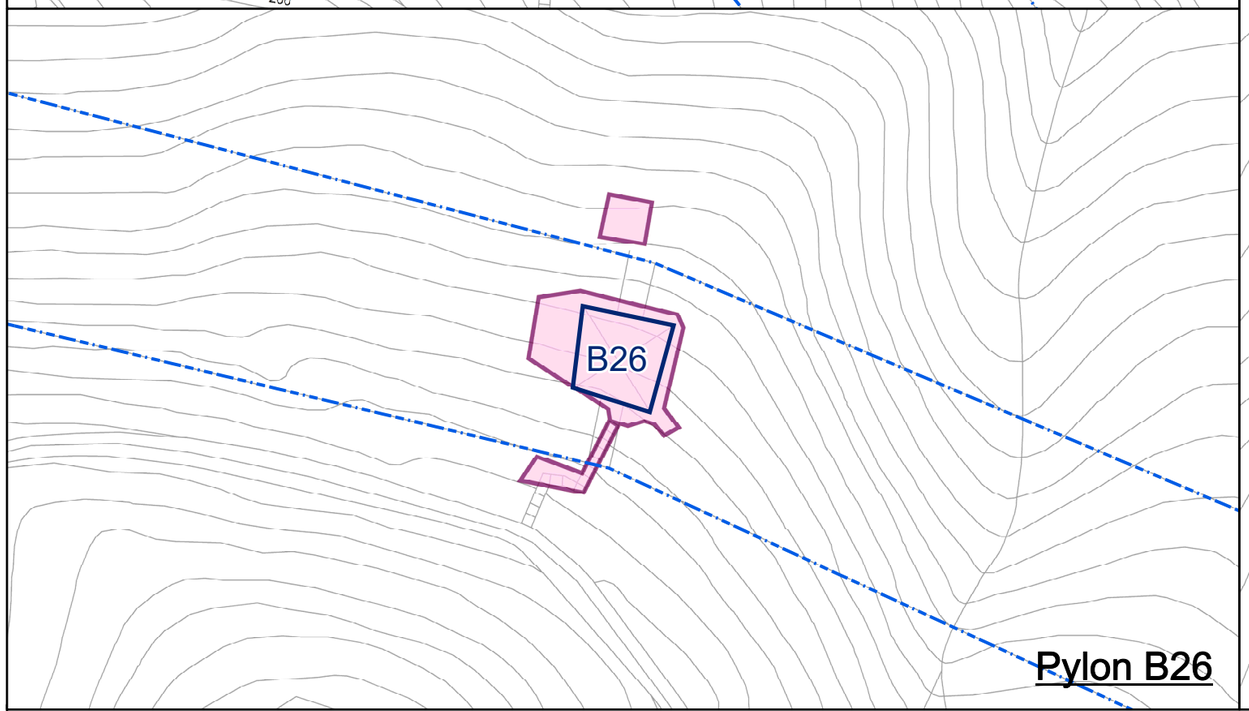
Environmental Resources Management

ERM

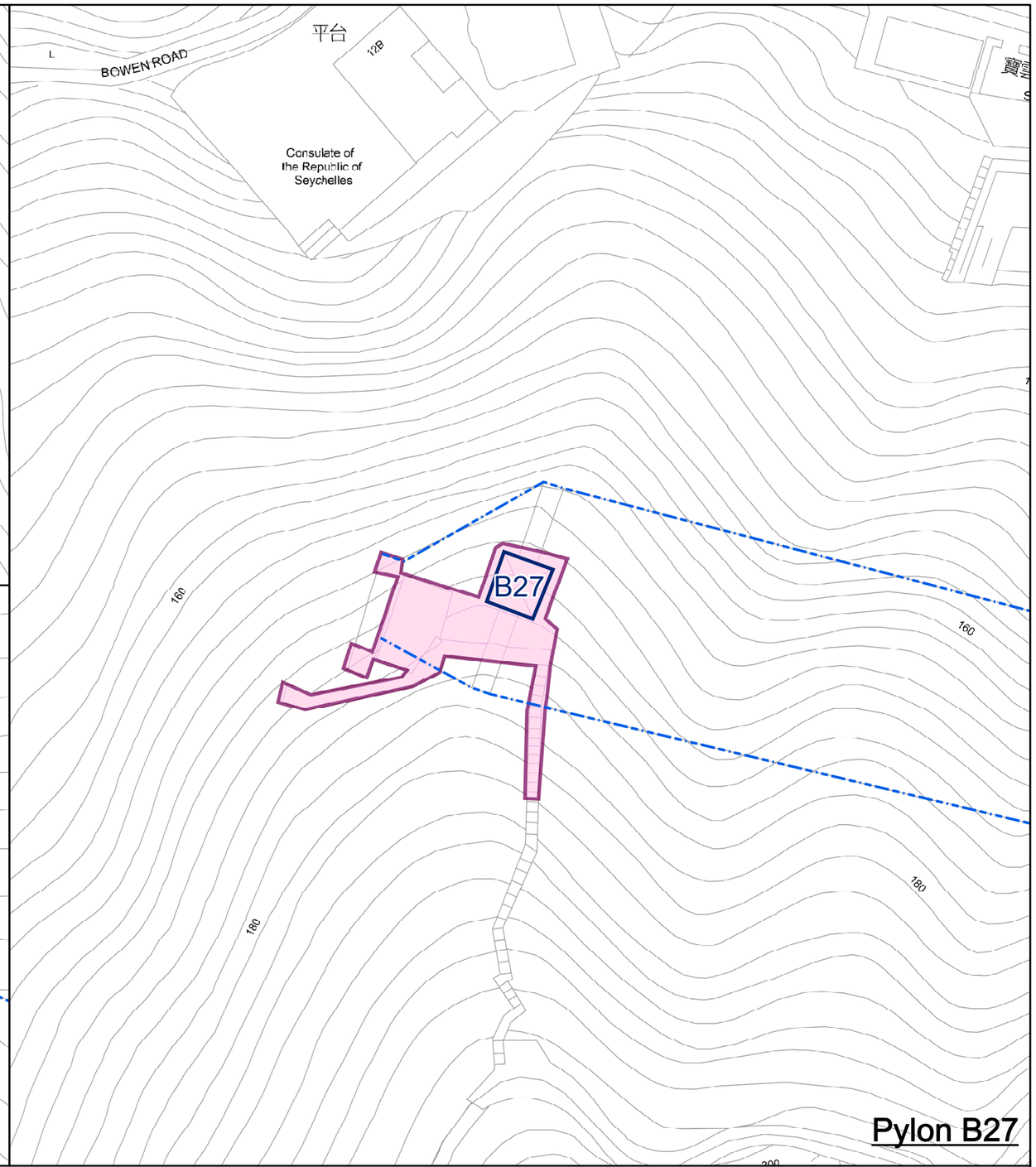
Pylon B25



Pylon B26



Pylon B27



Legend

B-Line | Pylon | Proposed Works Area | Country Park

N

Metres

0 15 30

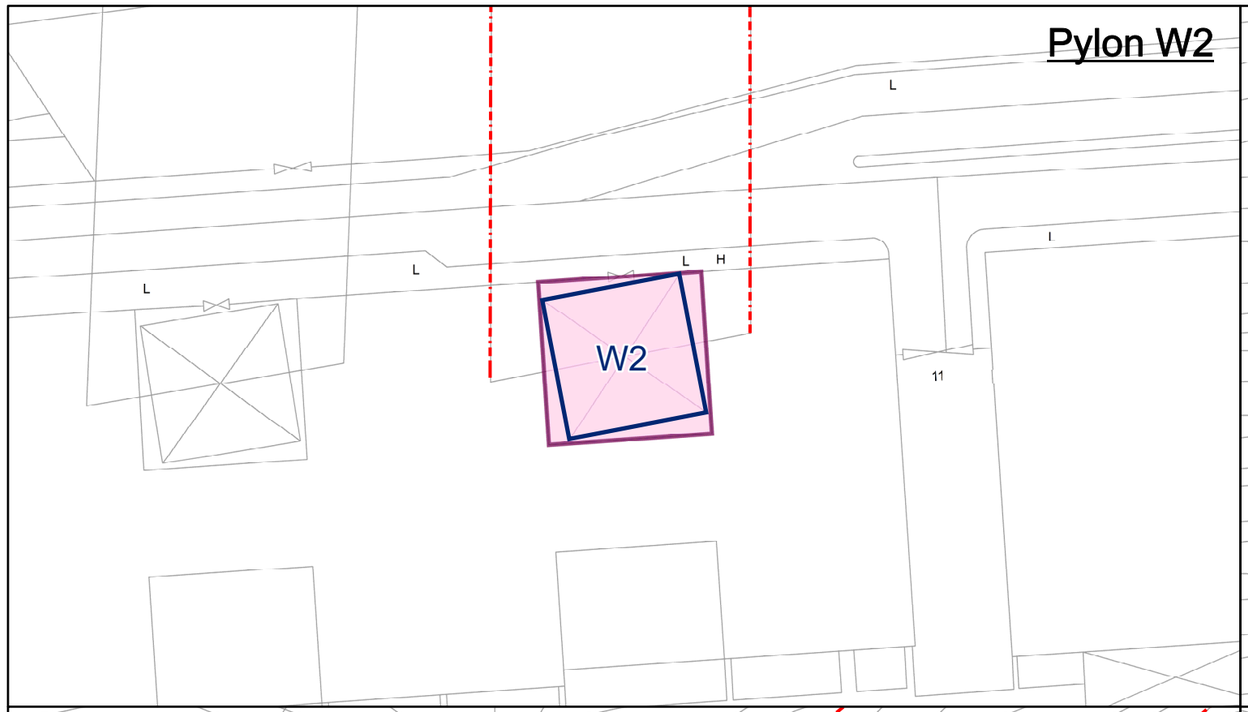
Appendix A1

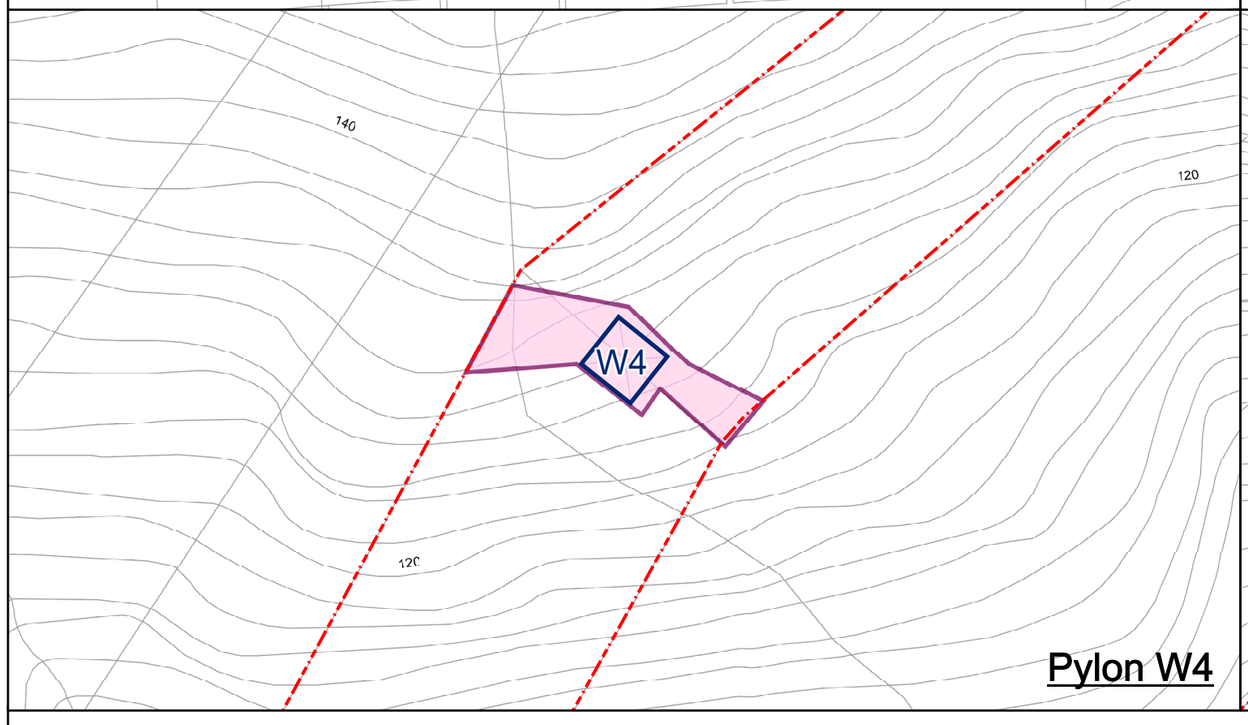
Proposed Works Area for B-Line
(Sheet 7 of 7)

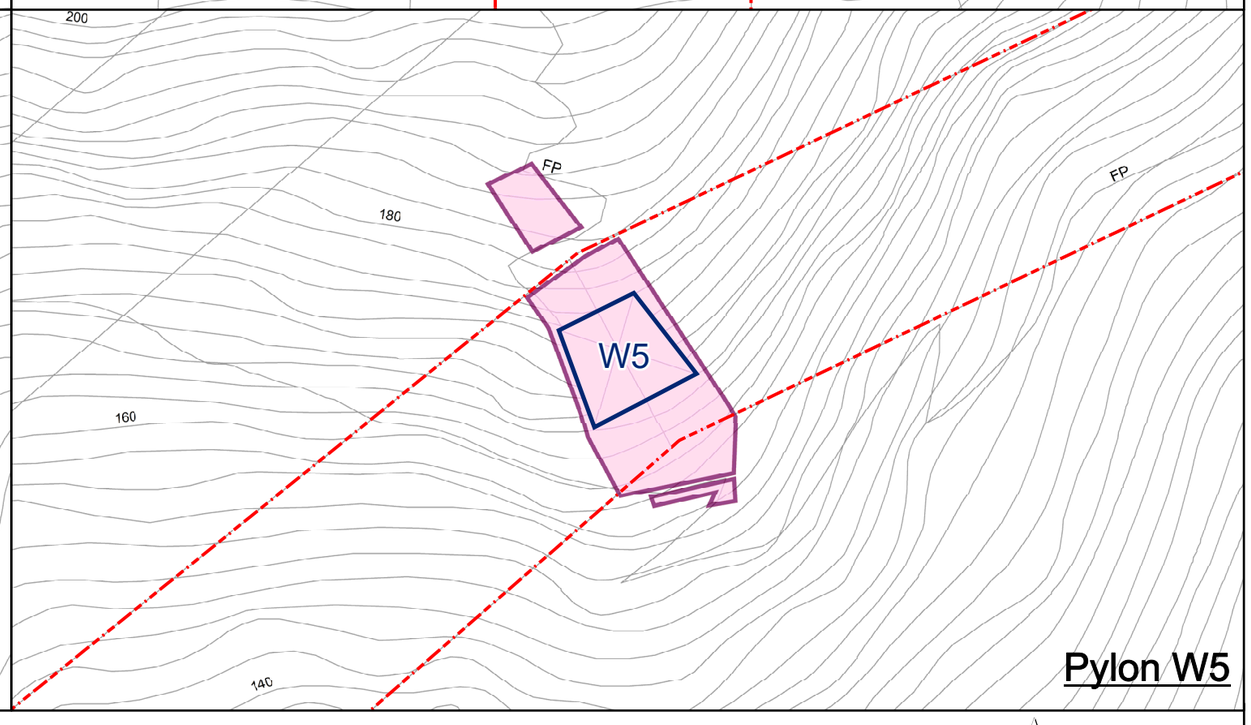
File: T:\GIS\CONTRACT\0643361\mxd\Proposed_Works_Area\0643361_Works_Area_for_B-Line_7.mxd
Date: 9/5/2023

Environmental
Resources
Management

ERM







Legend

W-Line | Pylon | Proposed Works Area | Country Park

N

Metres

0 15 30

Appendix A2

Proposed Works Area for W-Line
(Sheet 1 of 7)

File: T:\GIS\CONTRACT\0643361\mxd\Proposed_Works_Area\0643361_Works_Area_for_W-Line_1.mxd
Date: 9/5/2023

Environmental Resources Management

ERM

Pylon W6

W6

140

120

引水道 Catchwater

FP

CUL

FB

Pylon W7

W7

FP

Pylon W8

W8

FB

FP

引水道 Catchwater

Pylon W9

W9

FP

Legend

W-Line | Pylon | Proposed Works Area | Country Park

N

Metres

0 15 30

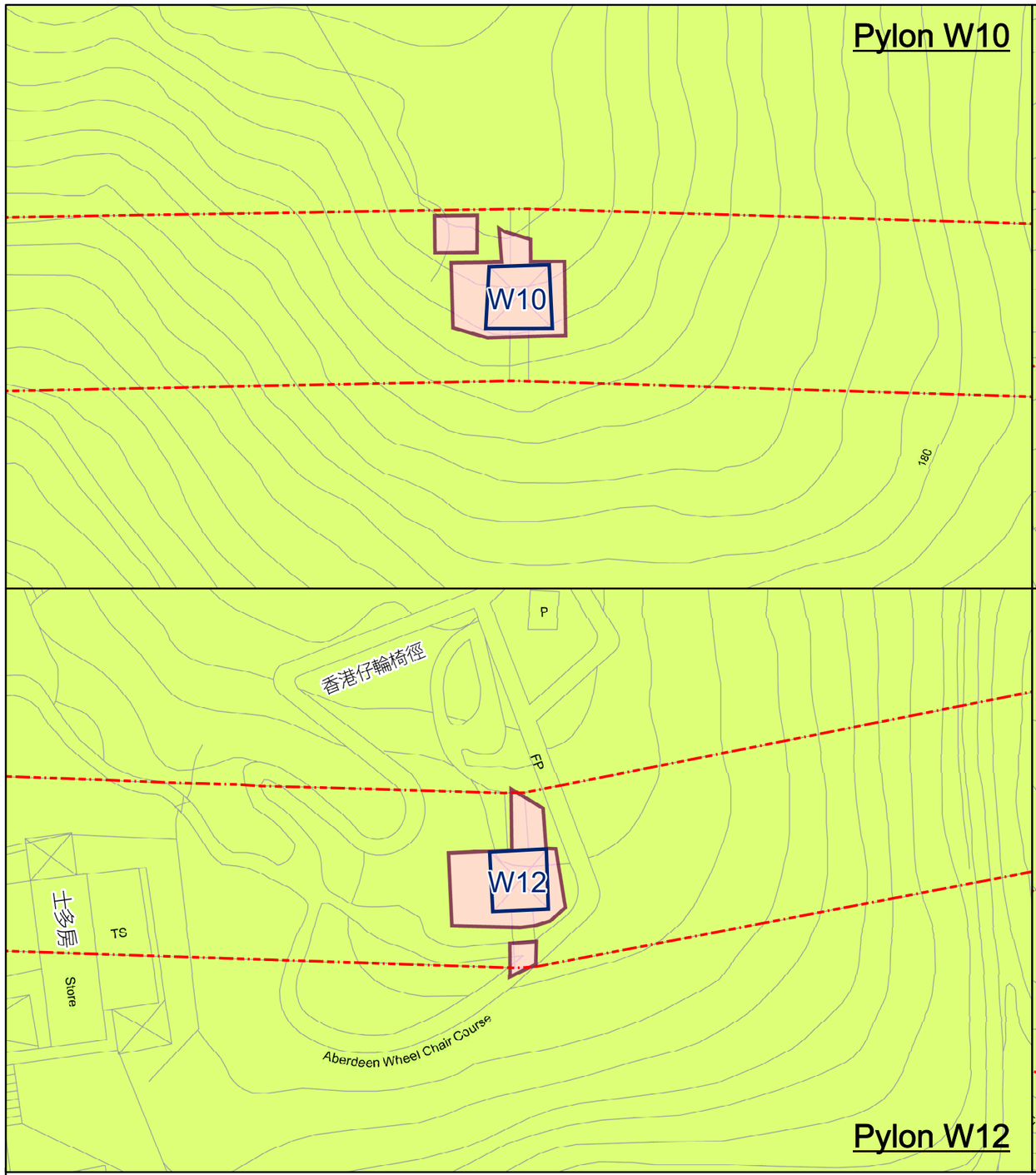
Appendix A2

Proposed Works Area for W-Line
(Sheet 2 of 7)

File: T:\GIS\CONTRACT\0643361\mxd\Proposed_Works_Area\0643361_Works_Area_for_W-Line_2.mxd
Date: 9/5/2023

Environmental Resources Management

ERM



Legend

W-Line | Pylon | Proposed Works Area | Country Park

N
Metres
0 15 30

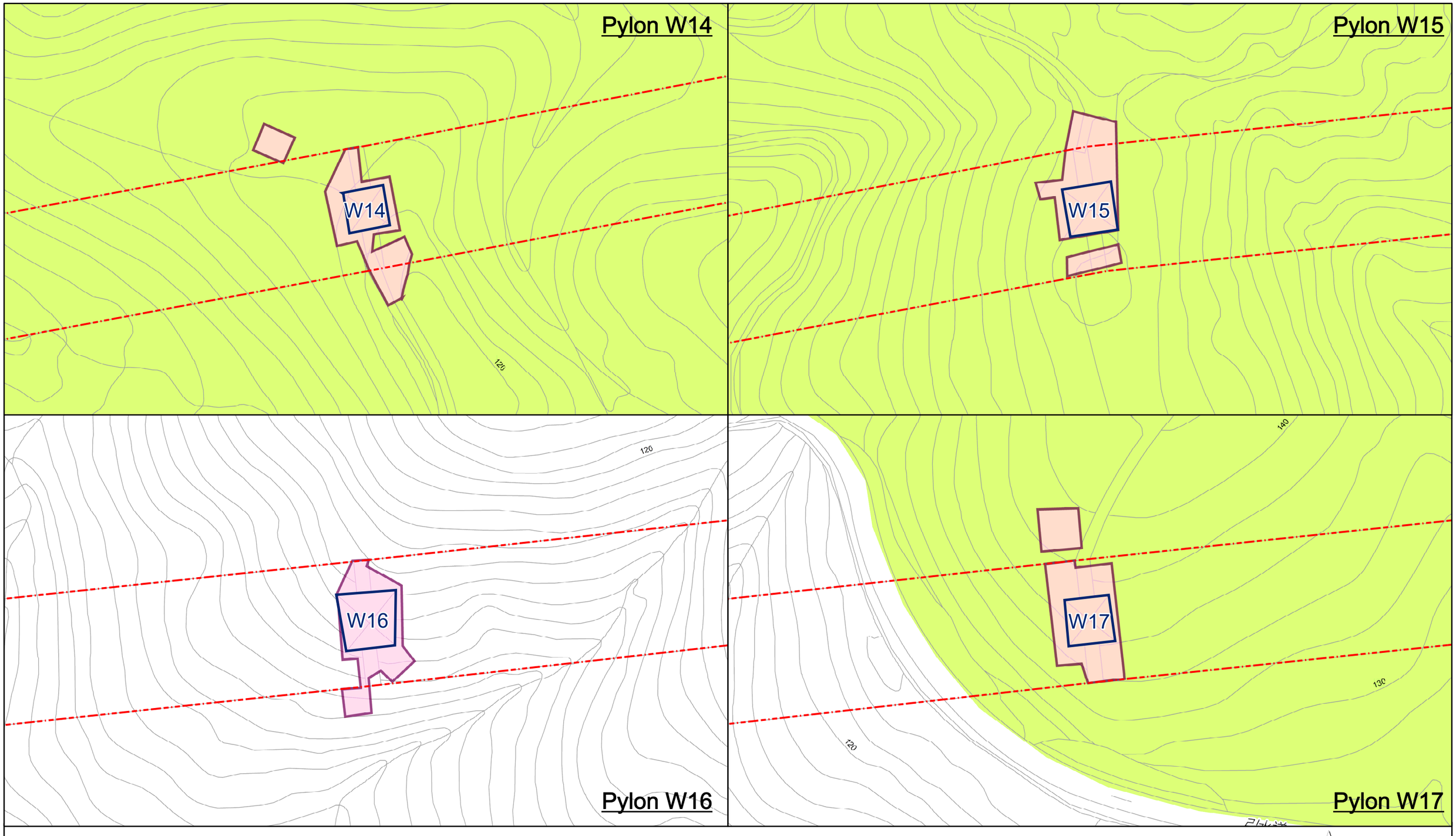
Appendix A2

Proposed Works Area for W-Line
(Sheet 3 of 7)

File: T:\GIS\CONTRACT\0643361\mxd\Proposed_Works_Area\0643361_Works_Area_for_W-Line_3.mxd
Date: 10/5/2023

Environmental Resources Management

ERM



Legend

W-Line | Pylon | Proposed Works Area | Country Park

N

Metres

0 15 30

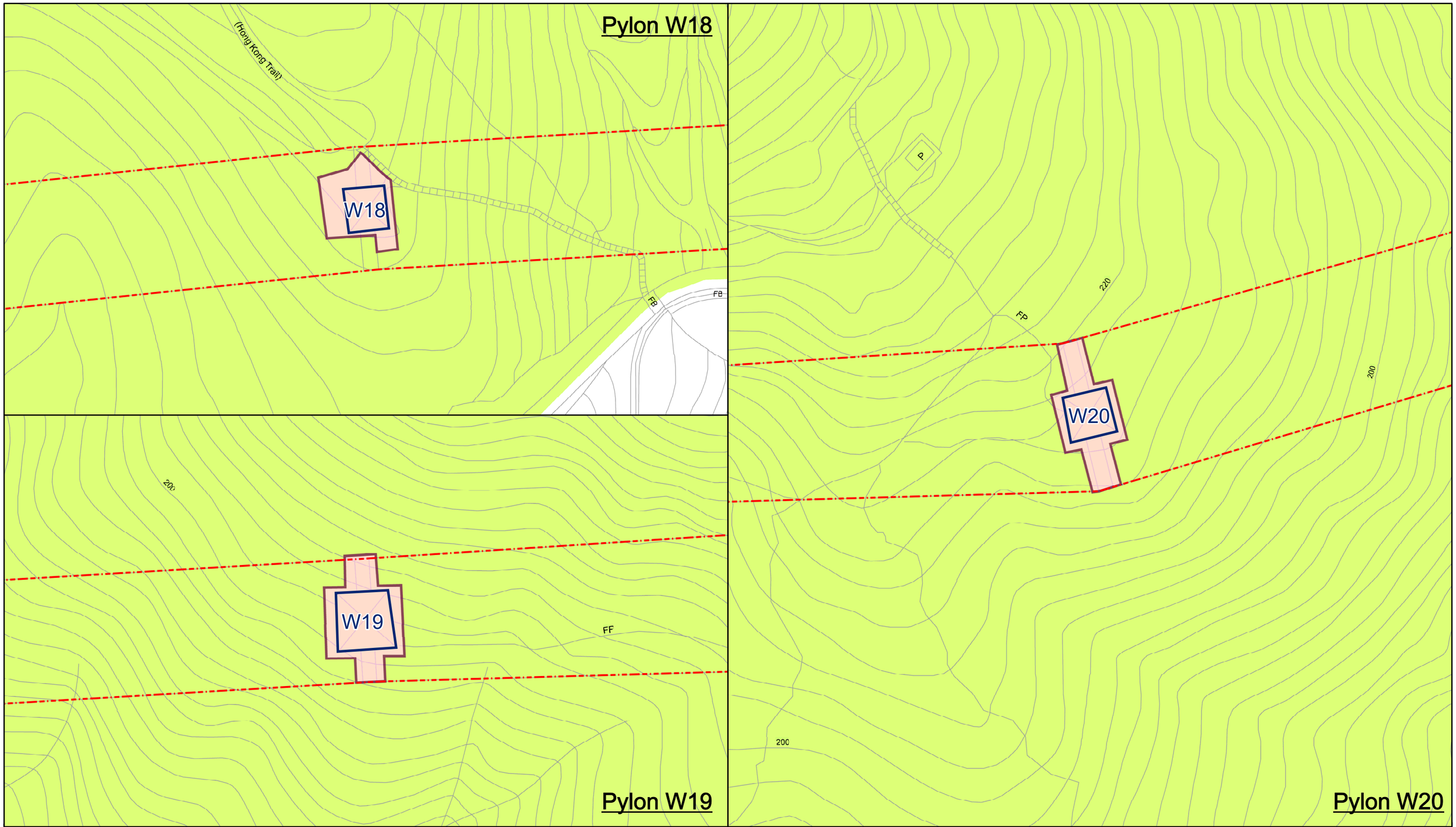
Appendix A2

Proposed Works Area for W-Line
(Sheet 4 of 7)

File: T:\GIS\CONTRACT\0643361\mxd\Proposed_Works_Area\0643361_Works_Area_for_W-Line_4.mxd
Date: 9/5/2023

Environmental Resources Management

ERM



Legend

W-Line | Pylon | Proposed Works Area | Country Park

N
Metres
0 15 30

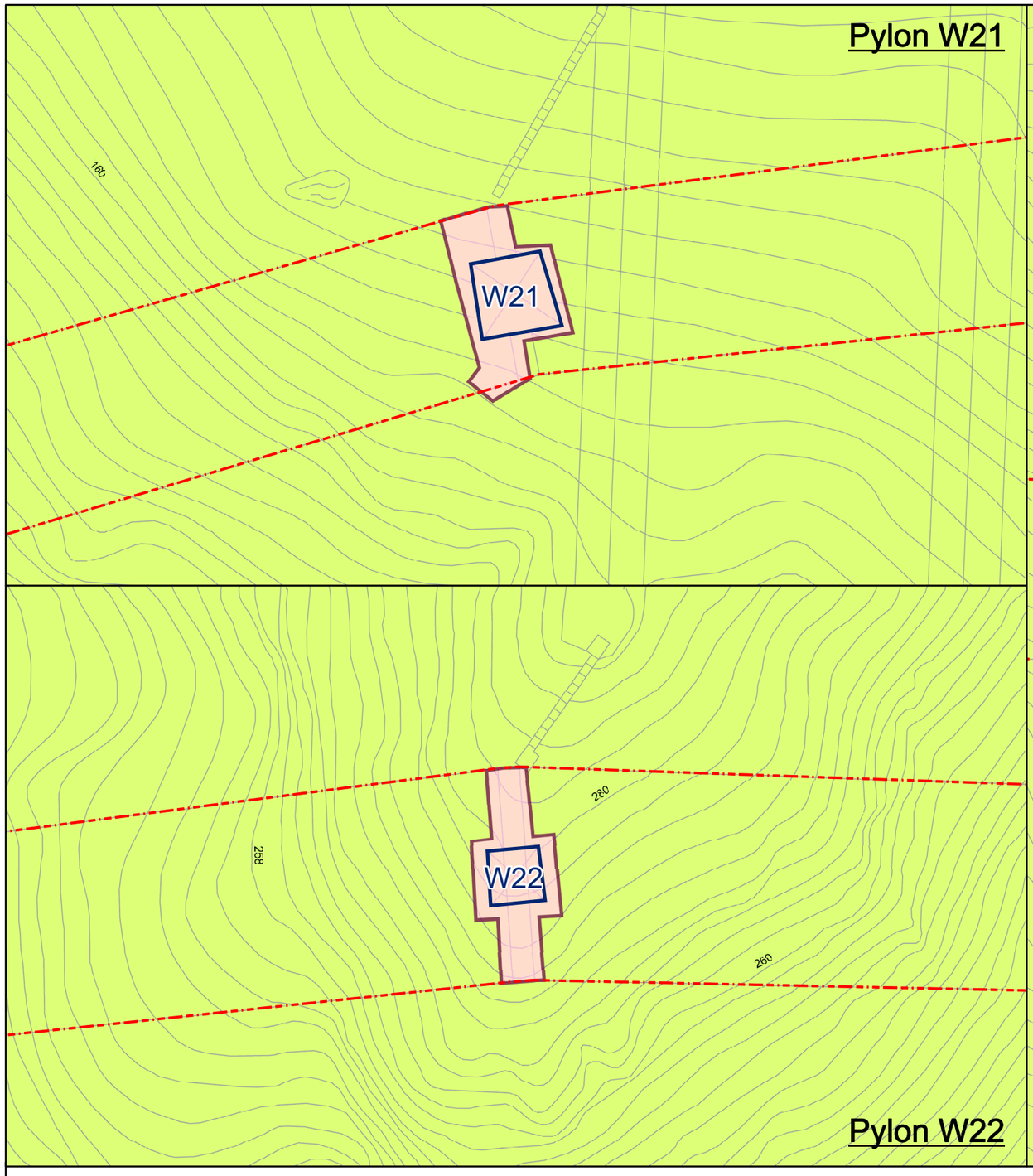
Appendix A2

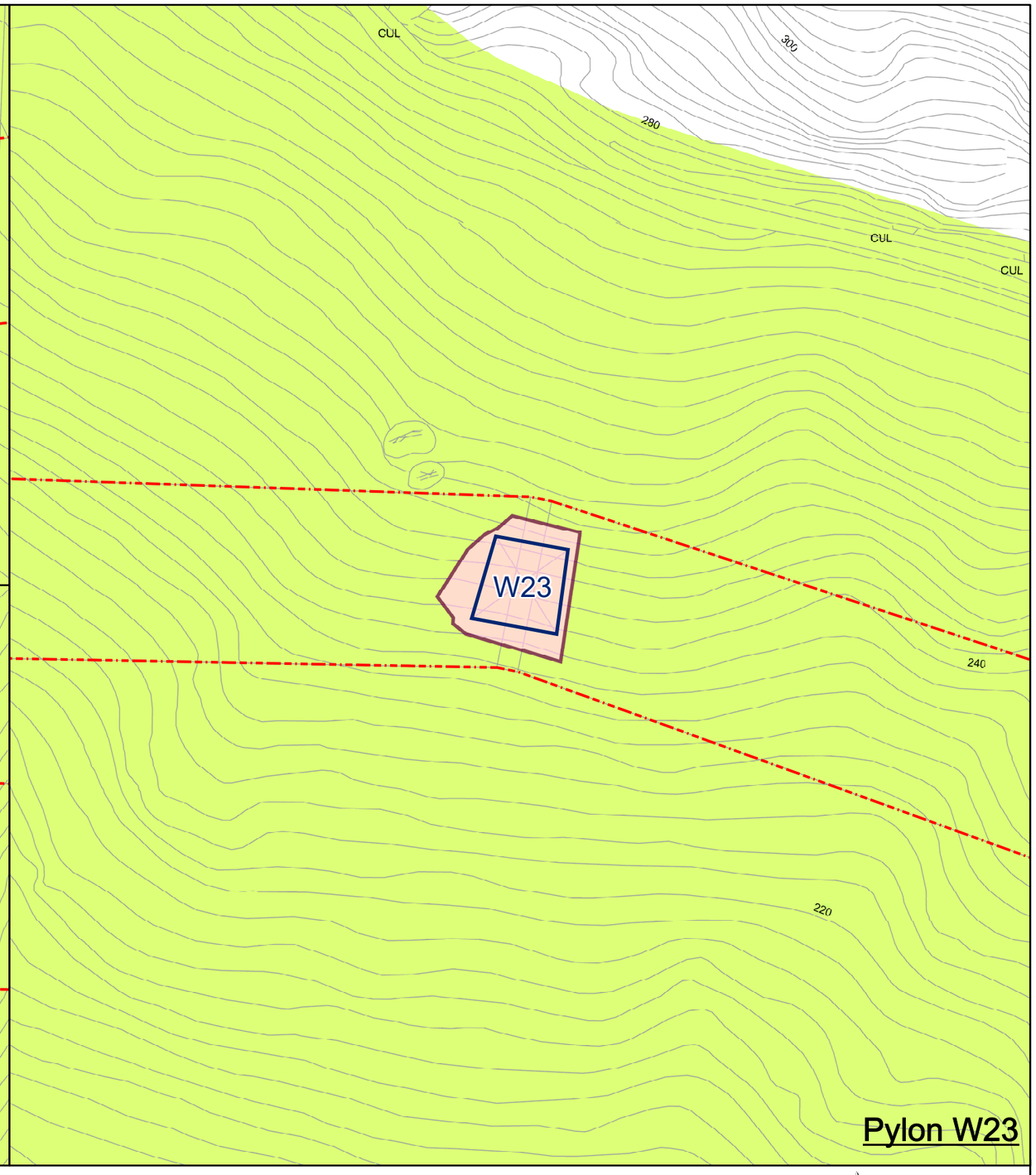
Proposed Works Area for W-Line
(Sheet 5 of 7)

File: T:\GIS\CONTRACT\0643361\mxd\Proposed_Works_Area\0643361_Works_Area_for_W-Line_5.mxd
Date: 9/5/2023

Environmental Resources Management

ERM





Legend

W-Line | Pylon | Proposed Works Area | Country Park

N

Metres

0 15 30

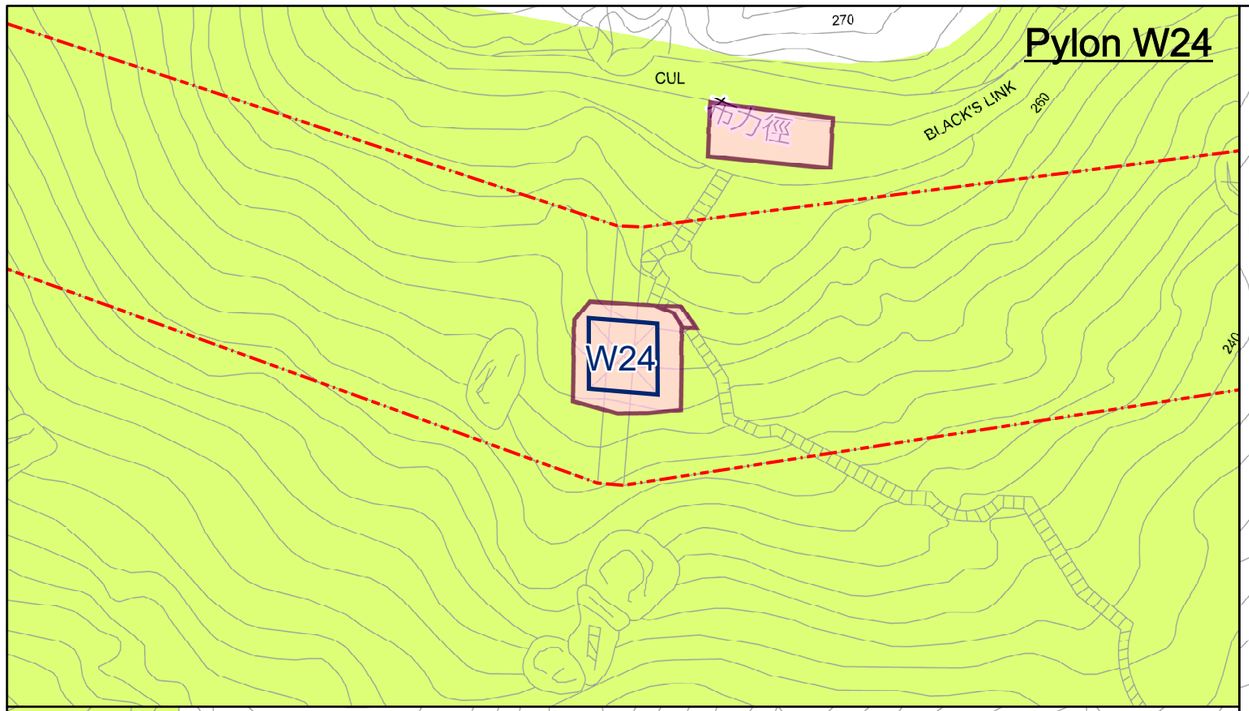
Appendix A2

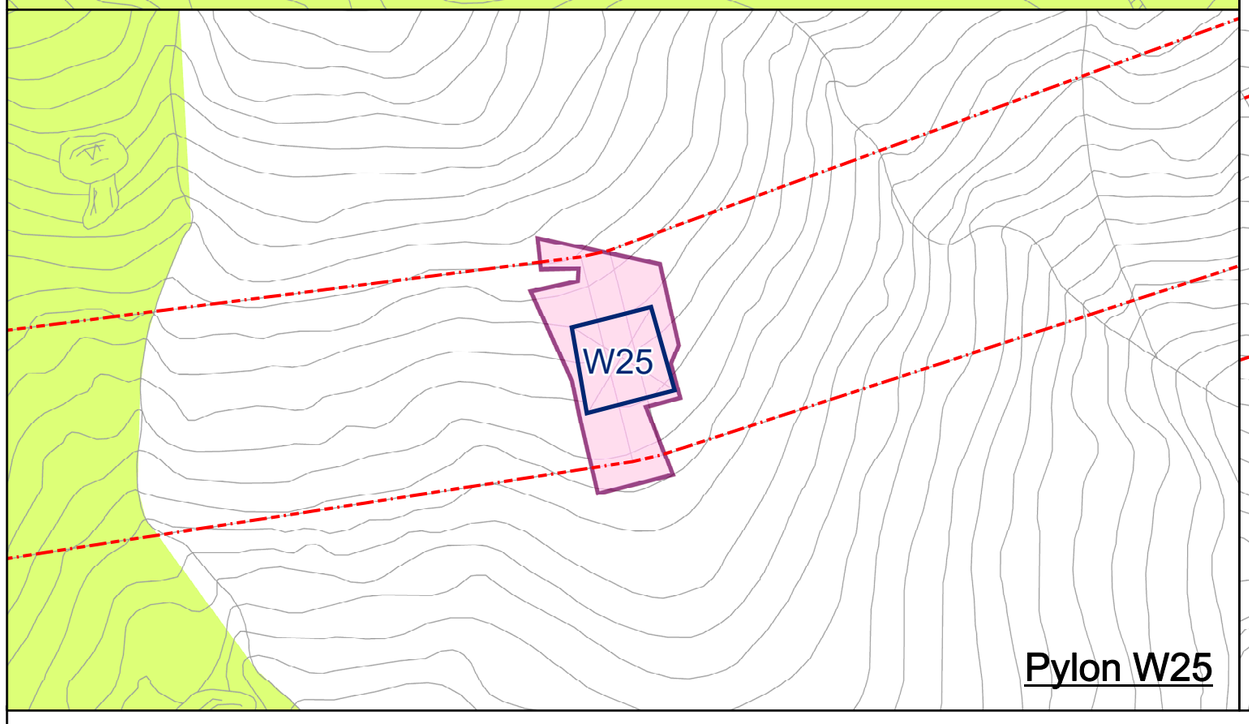
Proposed Works Area for W-Line
(Sheet 6 of 7)

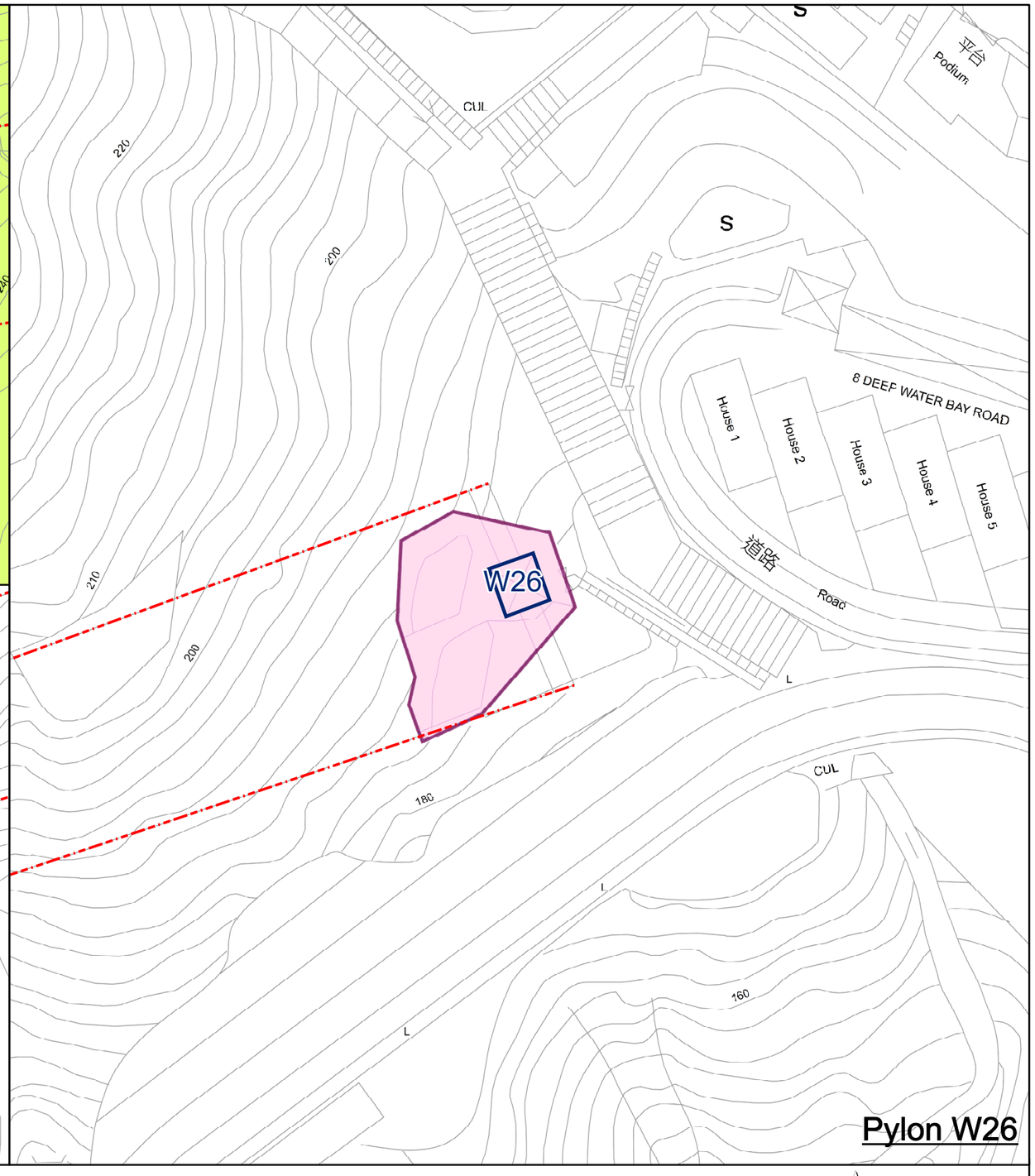
File: T:\GIS\CONTRACT\0643361\mxd\Proposed_Works_Area\0643361_Works_Area_for_W-Line_6.mxd
Date: 9/5/2023

Environmental Resources Management

ERM







Legend

W-Line | Pylon | Proposed Works Area | Country Park

N

Metres

0 15 30

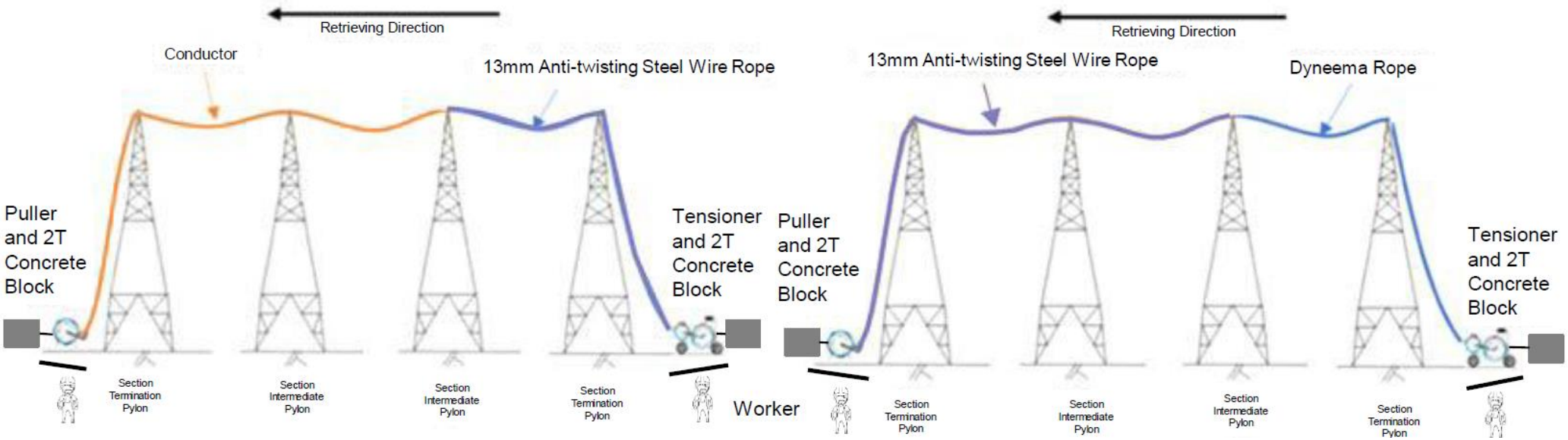
Appendix A2

Proposed Works Area for W-Line
(Sheet 7 of 7)

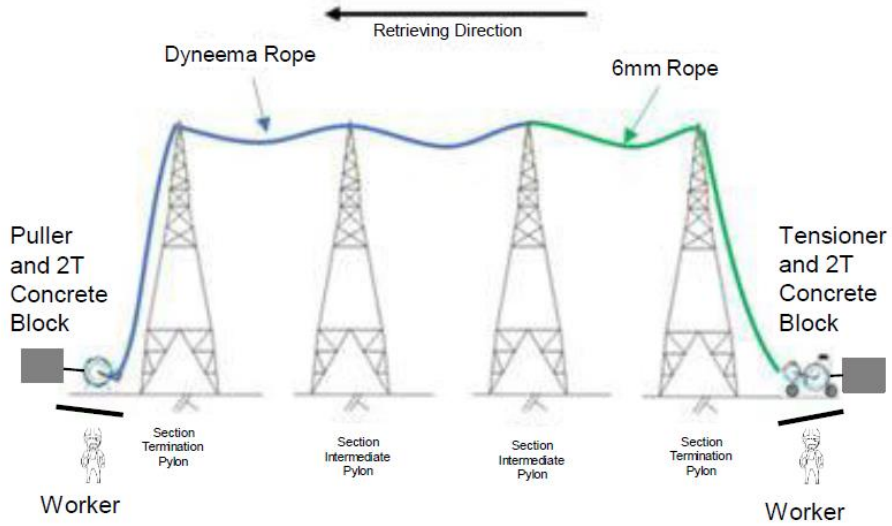
File: T:\GIS\CONTRACT\0643361\mxd\Proposed_Works_Area\0643361_Works_Area_for_W-Line_7.mxd
Date: 9/5/2023

Environmental Resources Management

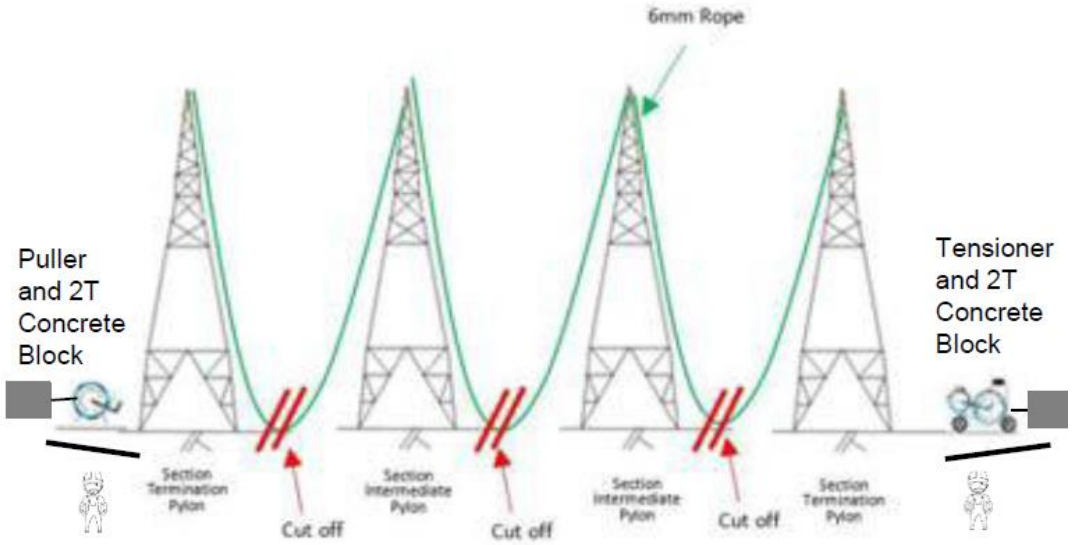
ERM

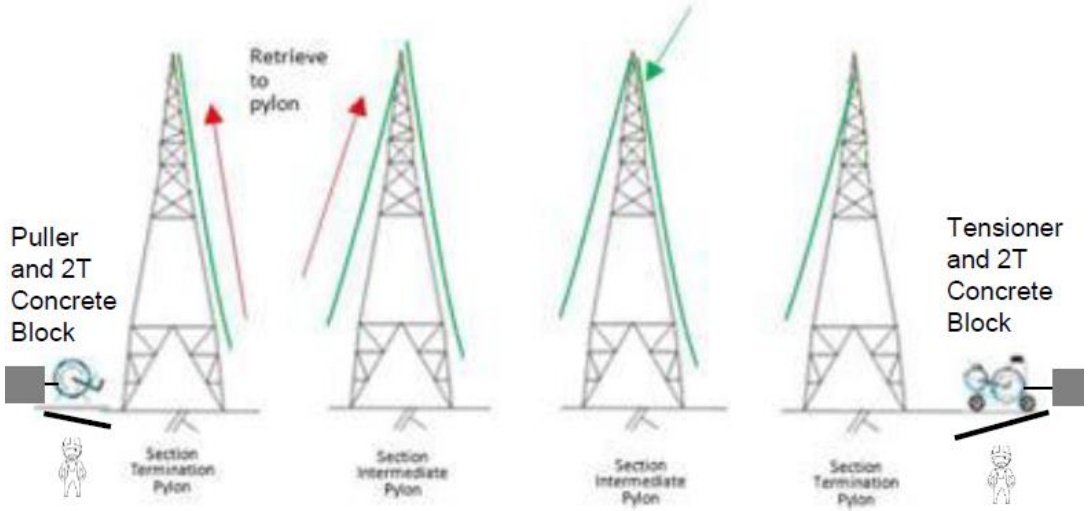


1. The conductor is retrieved by tension support of an Anti-twisting steel wire rope, then the Anti-twisting steel wire rope is retrieved by Dyneema rope, the Dyneema rope is retrieved by tension support 6mm rope.



2. When the whole session is covered by the 6mm rope, then the 6mm rope is gently lowered down to the ground level.

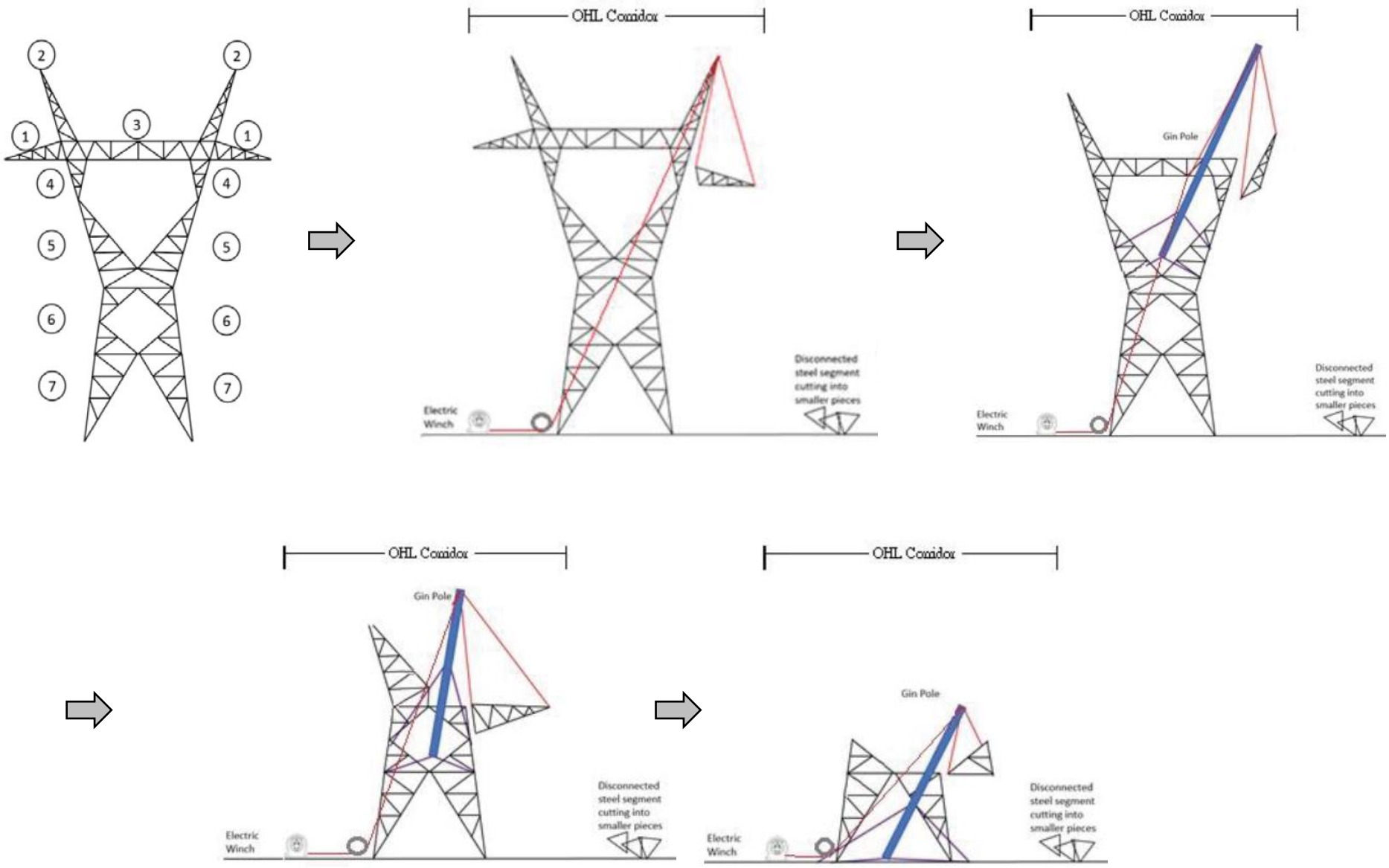




3. The 6mm rope is then cut at the ground level and retrieved to pylon.

- The locations of cutting at ground level will be determined before work commencement. It will be at conducted at disturbed/ development area as far as possible to avoid impact to the habitat.
- Helicopter or drone will be used to retrieve the rope after cut off for those rope over the reservoir. When retrieving the rope, the contractor will monitor the rope at ground level all the way. The contractor will communicate with the workers at the tensioner to stop retrieval until no vehicle or visitors crossing hiking trail and road, or will temporarily stop visitors along hiking trail if necessary to allow the rope passing through, which is expected to introduce minimal disturbance.
- If the rope is stuck by tree branches, the contractor will move the rope away from the branches by hand so that it can continue be retrieved.

Note: If there is no suitable locations for sitting the cable extraction machine for some spans due to the extreme site condition, conductor for those spans will be extracted by manpower.



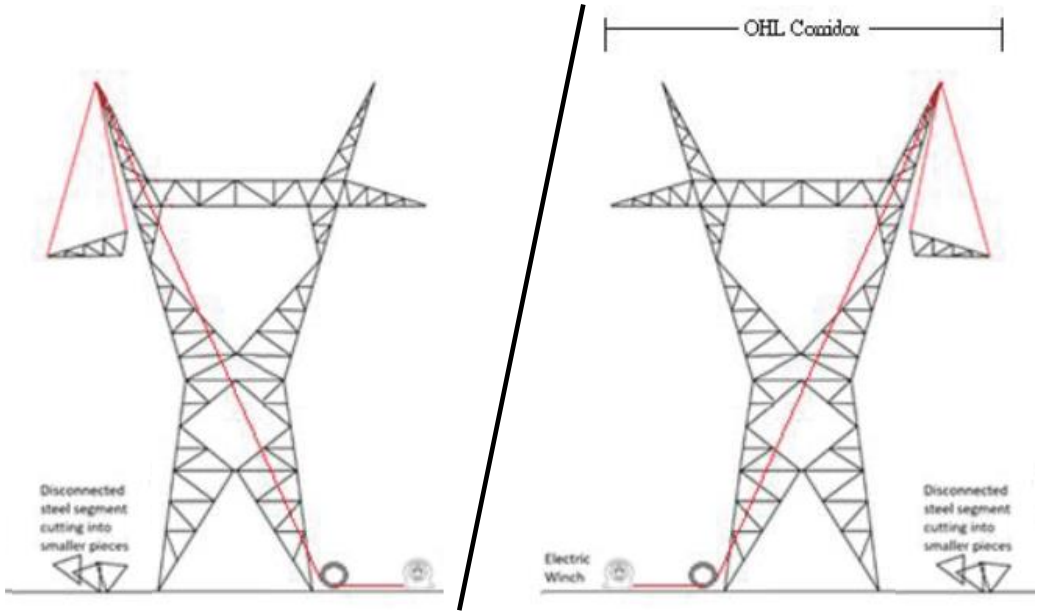
Appendix A3-2

Illustration of Works – Dismantling of Pylon

DATE: June 2022

Environmental Resources Management

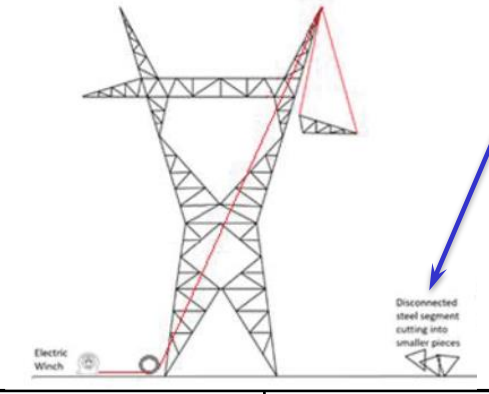
ERM



To allow for hoisting down the dismantled parts of the 2 wings of the pylons, works area (including temporary storage area for the dismantled parts) is typically required to be extended to cover the direct footprint of the whole pylon structure including both sides of the wings as indicated as yellow dotted lines.

Further to the site visits to verify the site environment, most of the originally proposed Works Areas are confirmed to fall within woodland. In order to avoid/ minimal potential impacts on ecology and trees, Works Areas have been re-defined taken into account the findings from the ecological and tree surveys.

At some pylons, after review of the site conditions and technical constraints, all dismantled parts can be shifted to one side of the wings or shifted a bit from the wings for hoisting down to area of limited impacts on ecology and trees.



Appendix A3-3

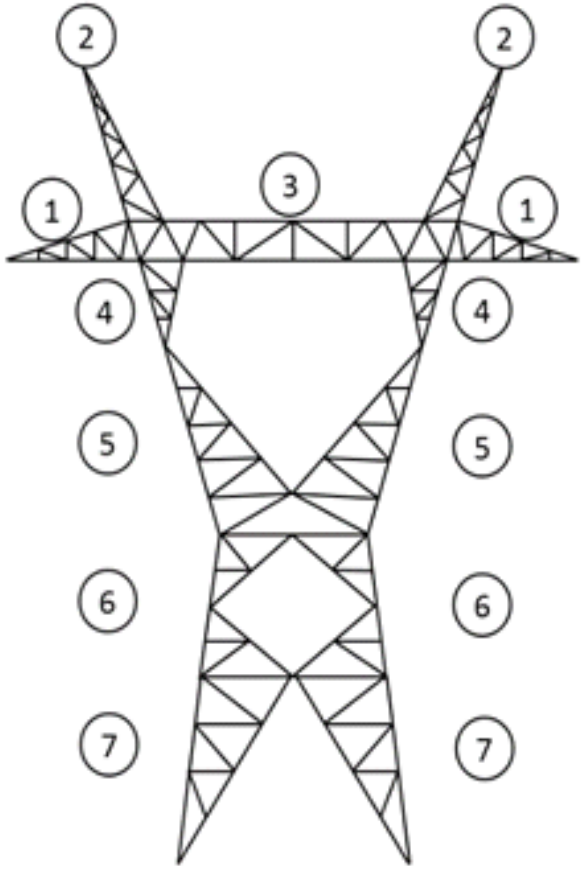
Works Area for Pylon

DATE: June 2022

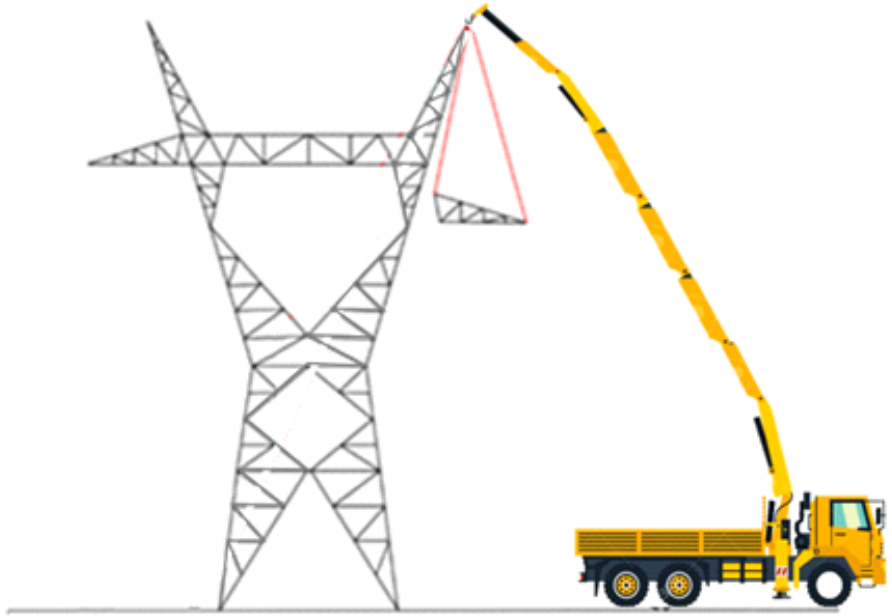
Environmental Resources Management

ERM

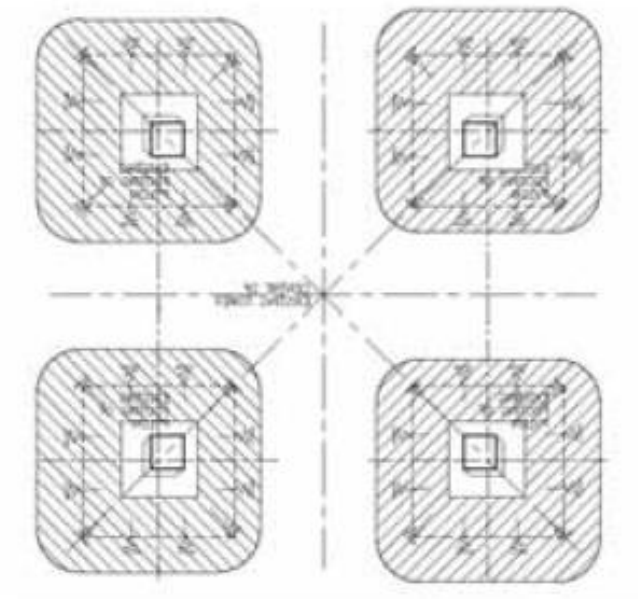
The pylon is divided into different segments. Dismantle sequence of different segment to be approved by Registered Structural Engineer with support of loading calculation. The weight of lifting segment shall not exceed the load chart of the lifting crane.



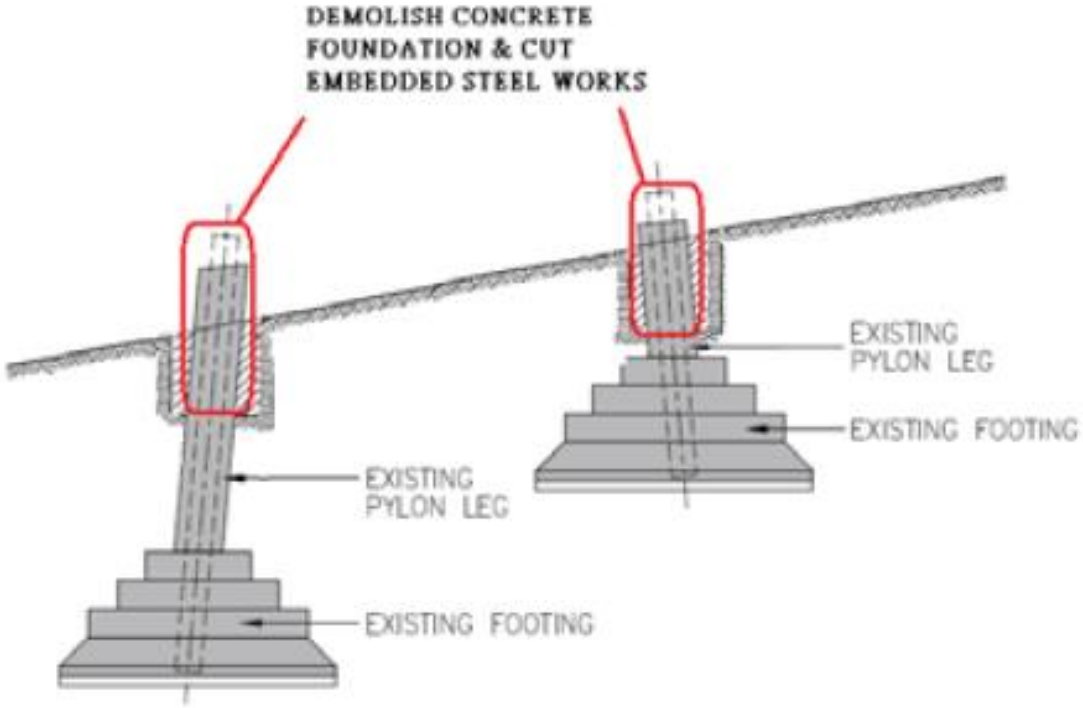
Dismantling Sequence by Crane Lorry



Typical Dismantling Arrangement by Crane Lorry



Indicative locations of pylon foundations



Removal of pylon foundations

Appendix A3-6

Photo of Equipment for OHL and Pylon Removal (Hydraulic Puller)

DATE: October 2023

Environmental Resources Management

ERM

Appendix A3-7

Photo of Equipment for OHL and Pylon Removal (Tensioner)

DATE: October 2023

Environmental Resources Management

ERM

Appendix A3-8

Photo of Equipment for OHL and Pylon Removal (Gin Pole)

DATE: October 2023

Environmental Resources Management

ERM

Appendix A3-9

Photo of Equipment for OHL and Pylon Removal (Electric Winch)

DATE: October 2023

Environmental Resources Management

ERM

Appendix A3-10

Photo of Equipment for OHL and Pylon Removal (Generator)

DATE: October 2023

Environmental Resources Management

ERM

Makita DCU180ZB - 36V (2 x 18V) Cordless Brushless Wheelbarrow

Features:

.Powerful Brushless Motor

- Only needs one battery to operate
- Maximum Load capcity of 130kg
- Detachable Rear Wheels
- 2 stage speed selection High/Low

Specifications:

- Max. load capacity : 130kg
- Overall length : 1,310mm
- Skin weight : 38.4kg
- Traveling speed : Hi: 3.5km/h / Lo: 1.5km/h
- Voltage : 18V x 2
- Weight : 39.6kg

APPENDIX B NOISE REVIEW DATA

Appendix B1

Helicopter Noise Impact - Determination of Buffer Distance Required

Operation Mode	Effective Perceived Noise Levels (EPNLs) at 150m, dB[(a)(b)]		Lmax at 150m, dB(A) [(d)]	
	Measured Noise Level	ICAO Ref. Limit	Measured Noise Level	ICAO Ref. Limit
MD 902 Explorer				
Approaching	89.6	95.3	76.6	82.3
Hovering	-	-	-	-
Flyover	83.5	93.3	70.5	80.3
Airbus Helicopter H175				
Approaching	95.1	98.8	**82.1**	85.8
Hovering	-	-	**83.5** [(c)]	-
Flyover	91.0	93.8	**78.0**	80.8

Notes:

(a) Reference of the Measured Noise Levels has been made from the technical data of Helicopter MD 902 Explorer (https://www.mdhelicopters.com/files/Models/MD902_Tech_Desc.pdf).

(b) Reference of the Measured Noise Levels has been made from the European Aviation Safety Agency Type-Certificate Data Sheet of Airbus Helicopter H175 (https://www.easa.europa.eu/sites/default/files/dfu/EASA.R.150%20Issue2.pdf)

(c) Reference of the measured Lmax for hovering has been made from the approved EIA Report for a Rooftop Helipad at New Acute Hospital at Kai Tak Development Area (AEIAR-224/2020).

(d) Lmax = EPNdB-13, with reference to “Transportation Noise Reference Book” (Nelson, 1987)

Minimum Buffer Distance Required

Operation Mode	Lmax at 150m, dB(A) [(a)]	Minimum Buffer Distance Required, m [(b)]	Corr. for Distance dB(A) [(c)]	Corr. for façade dB(A)	Corrected Lmax, dB(A)	Noise Criteria, dB(A)	Compliance
Approaching	82.1	152	-0.1	2.5	84.48	85	**Yes**
Hovering	83.5	180	-1.6	2.5	84.42	85	**Yes**
Flyover	78.0	152	-0.1	2.5	80.38	85	**Yes**

Notes:
(a) The measured noise levels for Airbus Helicopter H175 have been adopted for assessment as worst case scenario.
(b) Buffer distance between helicopter and NSR, m.
(c) Correction for distance = –20log10(R / R(ref))

Appendix B2 : Construction Plant Inventory for General Construction Works

No.	Activities	Plant	TM Ref. / Other Ref. [1]	No. of PME	On-time %	Unit SWL, dB(A)	SWL, dB(A)	Total SWL, dB(A)[2]
B2								
1	**Removal of OHL earth wire and conductor**	Hydraulic Puller	CNP 263	1	100%	102	102	**107**
		Lorry	EPD/PME/38	1	100%	105	105	
2	**Dismantle of Pylons**	Hand-held Percussive Breaker	EPD-13592	1	100%	99	99	**108**
		EV Trolley	EPD/PME/15	1	100%	94	94	
		Lorry	EPD/PME/38	1	100%	105	105	
		Generator	CNP 103	1	100%	95	95	
		Cutter (electric)	CNP 021	1	100%	90	90	
		Air Compressor	CNP 002	1	100%	102	102	
		Winch (electric)	CNP 262	1	100%	95	95	

Notes:

[1] Other Ref. - SWLs refer to other PME documented by the Noise Control Authority (EPD/PME/no.)
(https://www.epd.gov.hk/epd/sites/default/files/epd/english/application_for_licences/guidance/files/OtherSWLe.pdf)

[2] The figures are rounded-up to a whole number.

Appendix B2 : Construction Plant Inventory for General Construction Works

No.	Activities	Plant	TM Ref. / Other Ref. [1]	No. of PME	On-time %	Unit SWL, dB(A)	SWL, dB(A)	Total SWL, dB(A)[2]
B3								
1	**Removal of OHL earth wire and conductor**	Lorry	EPD/PME/36	1	100%	101	101	**101**
2	**Dismantle of Pylons**	Hand-held Percussive Breaker	EPD-13592	1	100%	99	99	**105**
		Generator	CNP 103	1	100%	95	95	
		EV Trolley	EPD/PME/15	1	100%	94	94	
		Cutter (electric)	CNP 021	1	100%	90	90	
		Air Compressor	CNP 002	1	100%	102	102	
		Winch (electric)	CNP 262	1	100%	95	95	

Notes:

[1] Other Ref. - SWLs refer to other PME documented by the Noise Control Authority (EPD/PME/no.)
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Appendix B2 : Construction Plant Inventory for General Construction Works

No.	Activities	Plant	TM Ref. / Other Ref. [1]	No. of PME	On-time %	Unit SWL, dB(A)	SWL, dB(A)	Total SWL, dB(A)[2]
B4								
1	**Removal of OHL earth wire and conductor**	Hydraulic Puller Tensioner	CNP 263	1	100%	102	102	**107**
		Lorry	EPD/PME/38	1	100%	105	105	
2	**Dismantle of Pylons**	Hand-held Percussive Breaker	EPD-13592	1	100%	99	99	**108**
		EV Trolley	EPD/PME/15	1	100%	94	94	
		Lorry	EPD/PME/38	1	100%	105	105	
		Generator	CNP 103	1	100%	95	95	
		Cutter (electric)	CNP 021	1	100%	90	90	
		Air Compressor	CNP 002	1	100%	102	102	
		Winch (electric)	CNP 262	1	100%	95	95	

Notes:

[1] Other Ref. - SWLs refer to other PME documented by the Noise Control Authority (EPD/PME/no.) (https://www.epd.gov.hk/epd/sites/default/files/epd/english/application_for_licences/guidance/files/OtherSWLe.pdf)

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Appendix B2 : Construction Plant Inventory for General Construction Works

No.	Activities	Plant	TM Ref. / Other Ref. [1]	No. of PME	On-time %	Unit SWL, dB(A)	SWL, dB(A)	Total SWL, dB(A)[2]
B5								
1	**Removal of OHL earth wire and conductor**	Lorry	EPD/PME/38	1	100%	105	105	**105**
2	**Dismantle of Pylons**	Hand-held Percussive Breaker	EPD-13592	1	100%	99	99	**105**
		Generator	CNP 103	1	100%	95	95	
		EV Trolley	EPD/PME/15	1	100%	94	94	
		Cutter (electric)	CNP 021	1	100%	90	90	
		Air Compressor	CNP 002	1	100%	102	102	
		Winch (electric)	CNP 262	1	100%	95	95	

Notes:

[1] Other Ref. - SWLs refer to other PME documented by the Noise Control Authority (EPD/PME/no.)
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Appendix B2 : Construction Plant Inventory for General Construction Works

No.	Activities	Plant	TM Ref. / Other Ref. [1]	No. of PME	On-time %	Unit SWL, dB(A)	SWL, dB(A)	Total SWL, dB(A)[2]
B6								
1	**Removal of OHL earth wire and conductor**	Lorry	EPD/PME/38	1	100%	105	105	**105**
2	**Dismantle of Pylons**	Hand-held Percussive Breaker	EPD-13592	1	100%	99	99	**105**
		Generator	CNP 103	1	100%	95	95	
		EV Trolley	EPD/PME/15	1	100%	94	94	
		Cutter (electric)	CNP 021	1	100%	90	90	
		Air Compressor	CNP 002	1	100%	102	102	
		Winch (electric)	CNP 262	1	100%	95	95	

Notes:

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No.	Activities	Plant	TM Ref. / Other Ref. [1]	No. of PME	On-time %	Unit SWL, dB(A)	SWL, dB(A)	Total SWL, dB(A)[2]
B7								
1	**Removal of OHL earth wire and conductor**	Lorry	EPD/PME/38	1	100%	105	105	**105**
2	**Dismantle of Pylons**	Hand-held Percussive Breaker	EPD-13592	1	100%	99	99	**105**
		Generator	CNP 103	1	100%	95	95	
		EV Trolley	EPD/PME/15	1	100%	94	94	
		Cutter (electric)	CNP 021	1	100%	90	90	
		Air Compressor	CNP 002	1	100%	102	102	
		Winch (electric)	CNP 262	1	100%	95	95	

Notes:

[1] Other Ref. - SWLs refer to other PME documented by the Noise Control Authority (EPD/PME/no.)
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No.	Activities	Plant	TM Ref. / Other Ref. [1]	No. of PME	On-time %	Unit SWL, dB(A)	SWL, dB(A)	Total SWL, dB(A)[2]
B8								
1	**Removal of OHL earth wire and conductor**	Lorry	EPD/PME/38	1	100%	105	105	**105**
2	**Dismantle of Pylons**	Hand-held Percussive Breaker	EPD-13592	1	100%	99	99	**105**
		Generator	CNP 103	1	100%	95	95	
		EV Trolley	EPD/PME/15	1	100%	94	94	
		Cutter (electric)	CNP 021	1	100%	90	90	
		Air Compressor	CNP 002	1	100%	102	102	
		Winch (electric)	CNP 262	1	100%	95	95	

Notes:

[1] Other Ref. - SWLs refer to other PME documented by the Noise Control Authority (EPD/PME/no.)
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Appendix B2 : Construction Plant Inventory for General Construction Works

No.	Activities	Plant	TM Ref. / Other Ref. [1]	No. of PME	On-time %	Unit SWL, dB(A)	SWL, dB(A)	Total SWL, dB(A)[2]
B11								
1	**Removal of OHL earth wire and conductor**	Lorry	EPD/PME/38	1	100%	105	105	**105**
2	**Dismantle of Pylons**	Hand-held Percussive Breaker	EPD-13592	1	100%	99	99	**105**
		Generator	CNP 103	1	100%	95	95	
		EV Trolley	EPD/PME/15	1	100%	94	94	
		Cutter (electric)	CNP 021	1	100%	90	90	
		Air Compressor	CNP 002	1	100%	102	102	
		Winch (electric)	CNP 262	1	100%	95	95	

Notes:

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No.	Activities	Plant	TM Ref. / Other Ref. [1]	No. of PME	On-time %	Unit SWL, dB(A)	SWL, dB(A)	Total SWL, dB(A)[2]
B12								
1	**Removal of OHL earth wire and conductor**	Hydraulic Puller	CNP 263	1	100%	102	102	**107**
		Lorry	EPD/PME/38	1	100%	105	105	
2	**Dismantle of Pylons**	Hand-held Percussive Breaker	EPD-13592	1	100%	99	99	**105**
		Generator	CNP 103	1	100%	95	95	
		EV Trolley	EPD/PME/15	1	100%	94	94	
		Cutter (electric)	CNP 021	1	100%	90	90	
		Air Compressor	CNP 002	1	100%	102	102	
		Winch (electric)	CNP 262	1	100%	95	95	

Notes:

[1] Other Ref. - SWLs refer to other PME documented by the Noise Control Authority (EPD/PME/no.)
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No.	Activities	Plant	TM Ref. / Other Ref. [1]	No. of PME	On-time %	Unit SWL, dB(A)	SWL, dB(A)	Total SWL, dB(A)[2]
B13								
1	**Removal of OHL earth wire and conductor**	Lorry	EPD/PME/38	1	100%	105	105	**105**
2	**Dismantle of Pylons**	Hand-held Percussive Breaker	EPD-13592	1	100%	99	99	**105**
		Generator	CNP 103	1	100%	95	95	
		EV Trolley	EPD/PME/15	1	100%	94	94	
		Cutter (electric)	CNP 021	1	100%	90	90	
		Air Compressor	CNP 002	1	100%	102	102	
		Winch (electric)	CNP 262	1	100%	95	95	

Notes:

[1] Other Ref. - SWLs refer to other PME documented by the Noise Control Authority (EPD/PME/no.)
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No.	Activities	Plant	TM Ref. / Other Ref. [1]	No. of PME	On-time %	Unit SWL, dB(A)	SWL, dB(A)	Total SWL, dB(A)[2]
B17								
1	**Removal of OHL earth wire and conductor**	Hydraulic Puller Tensioner	CNP 263	1	100%	102	102	**108**
		Lorry	EPD/PME/38	1	100%	105	105	
		Hydraulic Puller	CNP 263	1	100%	102	102	
2	**Dismantle of Pylons**	Hand-held Percussive Breaker	EPD-13592	1	100%	99	99	**108**
		EV Trolley	EPD/PME/15	1	100%	94	94	
		Lorry	EPD/PME/38	1	100%	105	105	
		Generator	CNP 103	1	100%	95	95	
		Cutter (electric)	CNP 021	1	100%	90	90	
		Air Compressor	CNP 002	1	100%	102	102	
		Winch (electric)	CNP 262	1	100%	95	95	

Notes:

[1] Other Ref. - SWLs refer to other PME documented by the Noise Control Authority (EPD/PME/no.)
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No.	Activities	Plant	TM Ref. / Other Ref. [1]	No. of PME	On-time %	Unit SWL, dB(A)	SWL, dB(A)	Total SWL, dB(A)[2]
B18								
1	**Removal of OHL earth wire and conductor**	Lorry	EPD/PME/38	1	100%	105	105	**105**
2	**Dismantle of Pylons**	Hand-held Percussive Breaker	EPD-13592	1	100%	99	99	**105**
		Generator	CNP 103	1	100%	95	95	
		EV Trolley	EPD/PME/15	1	100%	94	94	
		Cutter (electric)	CNP 021	1	100%	90	90	
		Air Compressor	CNP 002	1	100%	102	102	
		Winch (electric)	CNP 262	1	100%	95	95	

Notes:

[1] Other Ref. - SWLs refer to other PME documented by the Noise Control Authority (EPD/PME/no.)
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No.	Activities	Plant	TM Ref. / Other Ref. [1]	No. of PME	On-time %	Unit SWL, dB(A)	SWL, dB(A)	Total SWL, dB(A)[2]
B19								
1	**Removal of OHL earth wire and conductor**	Lorry	EPD/PME/38	1	100%	105	105	**105**
2	**Dismantle of Pylons**	Hand-held Percussive Breaker	EPD-13592	1	100%	99	99	**105**
		Generator	CNP 103	1	100%	95	95	
		EV Trolley	EPD/PME/15	1	100%	94	94	
		Cutter (electric)	CNP 021	1	100%	90	90	
		Air Compressor	CNP 002	1	100%	102	102	
		Winch (electric)	CNP 262	1	100%	95	95	

Notes:

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No.	Activities	Plant	TM Ref. / Other Ref. [1]	No. of PME	On-time %	Unit SWL, dB(A)	SWL, dB(A)	Total SWL, dB(A)[2]
B20								
1	**Removal of OHL earth wire and conductor**	Lorry	EPD/PME/38	1	100%	105	105	**105**
2	**Dismantle of Pylons**	Hand-held Percussive Breaker	EPD-13592	1	100%	99	99	**105**
		Generator	CNP 103	1	100%	95	95	
		EV Trolley	EPD/PME/15	1	100%	94	94	
		Cutter (electric)	CNP 021	1	100%	90	90	
		Air Compressor	CNP 002	1	100%	102	102	
		Winch (electric)	CNP 262	1	100%	95	95	

Notes:

[1] Other Ref. - SWLs refer to other PME documented by the Noise Control Authority (EPD/PME/no.)
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No.	Activities	Plant	TM Ref. / Other Ref. [1]	No. of PME	On-time %	Unit SWL, dB(A)	SWL, dB(A)	Total SWL, dB(A)[2]
B21								
1	**Removal of OHL earth wire and conductor**	Lorry	EPD/PME/38	1	100%	105	105	**105**
2	**Dismantle of Pylons**	Hand-held Percussive Breaker	EPD-13592	1	100%	99	99	**105**
		Generator	CNP 103	1	100%	95	95	
		EV Trolley	EPD/PME/15	1	100%	94	94	
		Cutter (electric)	CNP 021	1	100%	90	90	
		Air Compressor	CNP 002	1	100%	102	102	
		Winch (electric)	CNP 262	1	100%	95	95	

Notes:

[1] Other Ref. - SWLs refer to other PME documented by the Noise Control Authority (EPD/PME/no.)
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B22								
1	**Removal of OHL earth wire and conductor**	Hydraulic Puller Tensioner	CNP 263	1	100%	102	102	**107**
		Lorry	EPD/PME/38	1	100%	105	105	
2	**Dismantle of Pylons**	Hand-held Percussive Breaker	EPD-13592	1	100%	99	99	**108**
		EV Trolley	EPD/PME/15	1	100%	94	94	
		Lorry	EPD/PME/38	1	100%	105	105	
		Generator	CNP 103	1	100%	95	95	
		Cutter (electric)	CNP 021	1	100%	90	90	
		Air Compressor	CNP 002	1	100%	102	102	
		Winch (electric)	CNP 262	1	100%	95	95	

Notes:

[1] Other Ref. - SWLs refer to other PME documented by the Noise Control Authority (EPD/PME/no.) (https://www.epd.gov.hk/epd/sites/default/files/epd/english/application_for_licences/guidance/files/OtherSWLe.pdf)

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No.	Activities	Plant	TM Ref. / Other Ref. [1]	No. of PME	On-time %	Unit SWL, dB(A)	SWL, dB(A)	Total SWL, dB(A)[2]
B23								
1	**Removal of OHL earth wire and conductor**	Hydraulic Puller	CNP 263	1	100%	102	102	**107**
		Lorry	EPD/PME/38	1	100%	105	105	
2	**Dismantle of Pylons**	Hand-held Percussive Breaker	EPD-13592	1	100%	99	99	**108**
		EV Trolley	EPD/PME/15	1	100%	94	94	
		Lorry	EPD/PME/38	1	100%	105	105	
		Generator	CNP 103	1	100%	95	95	
		Cutter (electric)	CNP 021	1	100%	90	90	
		Air Compressor	CNP 002	1	100%	102	102	
		Winch (electric)	CNP 262	1	100%	95	95	

Notes:

[1] Other Ref. - SWLs refer to other PME documented by the Noise Control Authority (EPD/PME/no.)
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No.	Activities	Plant	TM Ref. / Other Ref. [1]	No. of PME	On-time %	Unit SWL, dB(A)	SWL, dB(A)	Total SWL, dB(A)[2]
B24								
1	**Removal of OHL earth wire and conductor**	Lorry	EPD/PME/38	1	100%	105	105	**105**
2	**Dismantle of Pylons**	Hand-held Percussive Breaker	EPD-13592	1	100%	99	99	**105**
		Generator	CNP 103	1	100%	95	95	
		EV Trolley	EPD/PME/15	1	100%	94	94	
		Cutter (electric)	CNP 021	1	100%	90	90	
		Air Compressor	CNP 002	1	100%	102	102	
		Winch (electric)	CNP 262	1	100%	95	95	

Notes:

[1] Other Ref. - SWLs refer to other PME documented by the Noise Control Authority (EPD/PME/no.)
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No.	Activities	Plant	TM Ref. / Other Ref. [1]	No. of PME	On-time %	Unit SWL, dB(A)	SWL, dB(A)	Total SWL, dB(A)[2]
B25								
1	**Removal of OHL earth wire and conductor**	Lorry	EPD/PME/38	1	100%	105	105	**105**
2	**Dismantle of Pylons**	Hand-held Percussive Breaker	EPD-13592	1	100%	99	99	**105**
		Generator	CNP 103	1	100%	95	95	
		EV Trolley	EPD/PME/15	1	100%	94	94	
		Cutter (electric)	CNP 021	1	100%	90	90	
		Air Compressor	CNP 002	1	100%	102	102	
		Winch (electric)	CNP 262	1	100%	95	95	

Notes:

[1] Other Ref. - SWLs refer to other PME documented by the Noise Control Authority (EPD/PME/no.)
(https://www.epd.gov.hk/epd/sites/default/files/epd/english/application_for_licences/guidance/files/OtherSWLe.pdf)

[2] The figures are rounded-up to a whole number.

Appendix B2 : Construction Plant Inventory for General Construction Works

No.	Activities	Plant	TM Ref. / Other Ref. [1]	No. of PME	On-time %	Unit SWL, dB(A)	SWL, dB(A)	Total SWL, dB(A)[2]
B26								
1	**Removal of OHL earth wire and conductor**	Lorry	EPD/PME/38	1	100%	105	105	**105**
2	**Dismantle of Pylons**	Hand-held Percussive Breaker	EPD-13592	1	100%	99	99	**105**
		Generator	CNP 103	1	100%	95	95	
		EV Trolley	EPD/PME/15	1	100%	94	94	
		Cutter (electric)	CNP 021	1	100%	90	90	
		Air Compressor	CNP 002	1	100%	102	102	
		Winch (electric)	CNP 262	1	100%	95	95	

Notes:

[1] Other Ref. - SWLs refer to other PME documented by the Noise Control Authority (EPD/PME/no.)
(https://www.epd.gov.hk/epd/sites/default/files/epd/english/application_for_licences/guidance/files/OtherSWLe.pdf)

[2] The figures are rounded-up to a whole number.

Appendix B2 : Construction Plant Inventory for General Construction Works

No.	Activities	Plant	TM Ref. / Other Ref. [1]	No. of PME	On-time %	Unit SWL, dB(A)	SWL, dB(A)	Total SWL, dB(A)[2]
B27								
1	**Removal of OHL earth wire and conductor**	Hydraulic Puller Tensioner	CNP 263	1	100%	102	102	**107**
		Lorry	EPD/PME/38	1	100%	105	105	
2	**Dismantle of Pylons**	Hand-held Percussive Breaker	EPD-13592	1	100%	99	99	**108**
		EV Trolley	EPD/PME/15	1	100%	94	94	
		Lorry	EPD/PME/38	1	100%	105	105	
		Generator	CNP 103	1	100%	95	95	
		Cutter (electric)	CNP 021	1	100%	90	90	
		Air Compressor	CNP 002	1	100%	102	102	
		Winch (electric)	CNP 262	1	100%	95	95	

Notes:

[1] Other Ref. - SWLs refer to other PME documented by the Noise Control Authority (EPD/PME/no.) (https://www.epd.gov.hk/epd/sites/default/files/epd/english/application_for_licences/guidance/files/OtherSWLe.pdf)

[2] The figures are rounded-up to a whole number.

Appendix B2 : Construction Plant Inventory for General Construction Works

No.	Activities	Plant	TM Ref. / Other Ref. [1]	No. of PME	On-time %	Unit SWL, dB(A)	SWL, dB(A)	Total SWL, dB(A)[2]
W2								
1	**Removal of OHL earth wire and conductor**	Hydraulic Puller	CNP 263	1	100%	102	102	**107**
		Lorry	EPD/PME/38	1	100%	105	105	
2	**Dismantle of Pylons**	Hand-held Percussive Breaker	EPD-13592	1	100%	99	99	**108**
		EV Trolley	EPD/PME/15	1	100%	94	94	
		Lorry	EPD/PME/38	1	100%	105	105	
		Generator	CNP 103	1	100%	95	95	
		Cutter (electric)	CNP 021	1	100%	90	90	
		Air Compressor	CNP 002	1	100%	102	102	
		Winch (electric)	CNP 262	1	100%	95	95	

Notes:

[1] Other Ref. - SWLs refer to other PME documented by the Noise Control Authority (EPD/PME/no.)
(https://www.epd.gov.hk/epd/sites/default/files/epd/english/application_for_licences/guidance/files/OtherSWLe.pdf)

[2] The figures are rounded-up to a whole number.

Appendix B2 : Construction Plant Inventory for General Construction Works

No.	Activities	Plant	TM Ref. / Other Ref. [1]	No. of PME	On-time %	Unit SWL, dB(A)	SWL, dB(A)	Total SWL, dB(A)[2]
W3								
1	**Removal of OHL earth wire and conductor**	Lorry	EPD/PME/36	1	100%	101	101	**101**
2	**Dismantle of Pylons**	Hand-held Percussive Breaker	EPD-13592	1	100%	99	99	**105**
		Generator	CNP 103	1	100%	95	95	
		EV Trolley	EPD/PME/15	1	100%	94	94	
		Cutter (electric)	CNP 021	1	100%	90	90	
		Air Compressor	CNP 002	1	100%	102	102	
		Winch (electric)	CNP 262	1	100%	95	95	

Notes:

[1] Other Ref. - SWLs refer to other PME documented by the Noise Control Authority (EPD/PME/no.)
(https://www.epd.gov.hk/epd/sites/default/files/epd/english/application_for_licences/guidance/files/OtherSWLe.pdf)

[2] The figures are rounded-up to a whole number.

Appendix B2 : Construction Plant Inventory for General Construction Works

No.	Activities	Plant	TM Ref. / Other Ref. [1]	No. of PME	On-time %	Unit SWL, dB(A)	SWL, dB(A)	Total SWL, dB(A)[2]
W4								
1	**Removal of OHL earth wire and conductor**	Hydraulic Puller Tensioner	CNP 263	1	100%	102	102	**107**
		Lorry	EPD/PME/38	1	100%	105	105	
2	**Dismantle of Pylons**	Hand-held Percussive Breaker	EPD-13592	1	100%	99	99	**108**
		EV Trolley	EPD/PME/15	1	100%	94	94	
		Lorry	EPD/PME/38	1	100%	105	105	
		Generator	CNP 103	1	100%	95	95	
		Cutter (electric)	CNP 021	1	100%	90	90	
		Air Compressor	CNP 002	1	100%	102	102	
		Winch (electric)	CNP 262	1	100%	95	95	

Notes:

[1] Other Ref. - SWLs refer to other PME documented by the Noise Control Authority (EPD/PME/no.) (https://www.epd.gov.hk/epd/sites/default/files/epd/english/application_for_licences/guidance/files/OtherSWLe.pdf)

[2] The figures are rounded-up to a whole number.

Appendix B2 : Construction Plant Inventory for General Construction Works

No.	Activities	Plant	TM Ref. / Other Ref. [1]	No. of PME	On-time %	Unit SWL, dB(A)	SWL, dB(A)	Total SWL, dB(A)[2]
W5								
1	**Removal of OHL earth wire and conductor**	Lorry	EPD/PME/38	1	100%	105	105	**105**
2	**Dismantle of Pylons**	Hand-held Percussive Breaker	EPD-13592	1	100%	99	99	**105**
		Generator	CNP 103	1	100%	95	95	
		EV Trolley	EPD/PME/15	1	100%	94	94	
		Cutter (electric)	CNP 021	1	100%	90	90	
		Air Compressor	CNP 002	1	100%	102	102	
		Winch (electric)	CNP 262	1	100%	95	95	

Notes:

[1] Other Ref. - SWLs refer to other PME documented by the Noise Control Authority (EPD/PME/no.)
(https://www.epd.gov.hk/epd/sites/default/files/epd/english/application_for_licences/guidance/files/OtherSWLe.pdf)

[2] The figures are rounded-up to a whole number.

Appendix B2 : Construction Plant Inventory for General Construction Works

No.	Activities	Plant	TM Ref. / Other Ref. [1]	No. of PME	On-time %	Unit SWL, dB(A)	SWL, dB(A)	Total SWL, dB(A)[2]
W6								
1	**Removal of OHL earth wire and conductor**	Lorry	EPD/PME/38	1	100%	105	105	**105**
2	**Dismantle of Pylons**	Hand-held Percussive Breaker	EPD-13592	1	100%	99	99	**105**
		Generator	CNP 103	1	100%	95	95	
		EV Trolley	EPD/PME/15	1	100%	94	94	
		Cutter (electric)	CNP 021	1	100%	90	90	
		Air Compressor	CNP 002	1	100%	102	102	
		Winch (electric)	CNP 262	1	100%	95	95	

Notes:

[1] Other Ref. - SWLs refer to other PME documented by the Noise Control Authority (EPD/PME/no.)
(https://www.epd.gov.hk/epd/sites/default/files/epd/english/application_for_licences/guidance/files/OtherSWLe.pdf)

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Appendix B2 : Construction Plant Inventory for General Construction Works

No.	Activities	Plant	TM Ref. / Other Ref. [1]	No. of PME	On-time %	Unit SWL, dB(A)	SWL, dB(A)	Total SWL, dB(A)[2]
W7								
1	**Removal of OHL earth wire and conductor**	Lorry	EPD/PME/38	1	100%	105	105	**105**
2	**Dismantle of Pylons**	Hand-held Percussive Breaker	EPD-13592	1	100%	99	99	**105**
		Generator	CNP 103	1	100%	95	95	
		EV Trolley	EPD/PME/15	1	100%	94	94	
		Cutter (electric)	CNP 021	1	100%	90	90	
		Air Compressor	CNP 002	1	100%	102	102	
		Winch (electric)	CNP 262	1	100%	95	95	

Notes:

[1] Other Ref. - SWLs refer to other PME documented by the Noise Control Authority (EPD/PME/no.)
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Appendix B2 : Construction Plant Inventory for General Construction Works

No.	Activities	Plant	TM Ref. / Other Ref. [1]	No. of PME	On-time %	Unit SWL, dB(A)	SWL, dB(A)	Total SWL, dB(A)[2]
W8								
1	**Removal of OHL earth wire and conductor**	Lorry	EPD/PME/38	1	100%	105	105	**105**
2	**Dismantle of Pylons**	Hand-held Percussive Breaker	EPD-13592	1	100%	99	99	**105**
		Generator	CNP 103	1	100%	95	95	
		EV Trolley	EPD/PME/15	1	100%	94	94	
		Cutter (electric)	CNP 021	1	100%	90	90	
		Air Compressor	CNP 002	1	100%	102	102	
		Winch (electric)	CNP 262	1	100%	95	95	

Notes:

[1] Other Ref. - SWLs refer to other PME documented by the Noise Control Authority (EPD/PME/no.)
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Appendix B2 : Construction Plant Inventory for General Construction Works

No.	Activities	Plant	TM Ref. / Other Ref. [1]	No. of PME	On-time %	Unit SWL, dB(A)	SWL, dB(A)	Total SWL, dB(A)[2]
W11								
1	**Removal of OHL earth wire and conductor**	Lorry	EPD/PME/38	1	100%	105	105	**105**
2	**Dismantle of Pylons**	Hand-held Percussive Breaker	EPD-13592	1	100%	99	99	**105**
		Generator	CNP 103	1	100%	95	95	
		EV Trolley	EPD/PME/15	1	100%	94	94	
		Cutter (electric)	CNP 021	1	100%	90	90	
		Air Compressor	CNP 002	1	100%	102	102	
		Winch (electric)	CNP 262	1	100%	95	95	

Notes:

[1] Other Ref. - SWLs refer to other PME documented by the Noise Control Authority (EPD/PME/no.)
(https://www.epd.gov.hk/epd/sites/default/files/epd/english/application_for_licences/guidance/files/OtherSWLe.pdf)

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Appendix B2 : Construction Plant Inventory for General Construction Works

No.	Activities	Plant	TM Ref. / Other Ref. [1]	No. of PME	On-time %	Unit SWL, dB(A)	SWL, dB(A)	Total SWL, dB(A)[2]
W12								
1	**Removal of OHL earth wire and conductor**	Hydraulic Puller	CNP 263	1	100%	102	102	**107**
		Lorry	EPD/PME/38	1	100%	105	105	
2	**Dismantle of Pylons**	Hand-held Percussive Breaker	EPD-13592	1	100%	99	99	**105**
		Generator	CNP 103	1	100%	95	95	
		EV Trolley	EPD/PME/15	1	100%	94	94	
		Cutter (electric)	CNP 021	1	100%	90	90	
		Air Compressor	CNP 002	1	100%	102	102	
		Winch (electric)	CNP 262	1	100%	95	95	

Notes:

[1] Other Ref. - SWLs refer to other PME documented by the Noise Control Authority (EPD/PME/no.)
(https://www.epd.gov.hk/epd/sites/default/files/epd/english/application_for_licences/guidance/files/OtherSWLe.pdf)

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Appendix B2 : Construction Plant Inventory for General Construction Works

No.	Activities	Plant	TM Ref. / Other Ref. [1]	No. of PME	On-time %	Unit SWL, dB(A)	SWL, dB(A)	Total SWL, dB(A)[2]
W25								
1	**Removal of OHL earth wire and conductor**	Lorry	EPD/PME/38	1	100%	105	105	**105**
2	**Dismantle of Pylons**	Hand-held Percussive Breaker	EPD-13592	1	100%	99	99	**105**
		Generator	CNP 103	1	100%	95	95	
		EV Trolley	EPD/PME/15	1	100%	94	94	
		Cutter (electric)	CNP 021	1	100%	90	90	
		Air Compressor	CNP 002	1	100%	102	102	
		Winch (electric)	CNP 262	1	100%	95	95	

Notes:

[1] Other Ref. - SWLs refer to other PME documented by the Noise Control Authority (EPD/PME/no.)
(https://www.epd.gov.hk/epd/sites/default/files/epd/english/application_for_licences/guidance/files/OtherSWLe.pdf)

[2] The figures are rounded-up to a whole number.

Appendix B2 : Construction Plant Inventory for General Construction Works

No.	Activities	Plant	TM Ref. / Other Ref. [1]	No. of PME	On-time %	Unit SWL, dB(A)	SWL, dB(A)	Total SWL, dB(A)[2]
W26								
1	**Removal of OHL earth wire and conductor**	Hydraulic Puller Tensioner	CNP 263	1	100%	102	102	**107**
		Lorry	EPD/PME/38	1	100%	105	105	
2	**Dismantle of Pylons**	Hand-held Percussive Breaker	EPD-13592	1	100%	99	99	**108**
		EV Trolley	EPD/PME/15	1	100%	94	94	
		Lorry	EPD/PME/38	1	100%	105	105	
		Generator	CNP 103	1	100%	95	95	
		Cutter (electric)	CNP 021	1	100%	90	90	
		Air Compressor	CNP 002	1	100%	102	102	
		Winch (electric)	CNP 262	1	100%	95	95	

Notes:

[1] Other Ref. - SWLs refer to other PME documented by the Noise Control Authority (EPD/PME/no.) (https://www.epd.gov.hk/epd/sites/default/files/epd/english/application_for_licences/guidance/files/OtherSWLe.pdf)

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Appendix B3

Construction Noise Calculation for General Construction Works

No.	Activity Description [1]	SWL dB(A)	Distance m	Corr. for Distance dB(A) [2]	Corr. for façade dB(A)	Predicted Construction Noise Level dB(A)[3][4]	Overall Predicted Construction Noise Level dB(A)[5]	Compliance
N1								
	B2							
1	Removal of OHL earth wire and conductor	107	203	-54	3	56	68	**Yes**
2	Dismantle of Pylons	108	203	-54	3	57		
	B3							
1	Removal of OHL earth wire and conductor	101	190	-54	3	50		
2	Dismantle of Pylons	105	190	-54	3	55		
3	Operation of Helicopter [5][6]	100	152	-52	3	51		
	B4							
1	Removal of OHL earth wire and conductor	107	229	-55	3	55		
2	Dismantle of Pylons	108	229	-55	3	56		
3	Operation of Helicopter [5][6]	100	152	-52	3	51		
	B5							
1	Removal of OHL earth wire and conductor	105	289	-57	3	51		
2	Dismantle of Pylons	105	289	-57	3	51		
3	Operation of Helicopter [5][6]	100	152	-52	3	51		
	W2							
1	Removal of OHL earth wire and conductor	107	172	-53	3	57		
2	Dismantle of Pylons	108	172	-53	3	58		
	W3							
1	Removal of OHL earth wire and conductor	101	144	-51	3	53		
2	Dismantle of Pylons	105	144	-51	3	57		
3	Operation of Helicopter [5][6]	100	152	-52	3	51		
	W4							
1	Removal of OHL earth wire and conductor	107	180	-53	3	57		
2	Dismantle of Pylons	108	180	-53	3	58		
3	Operation of Helicopter [5][6]	100	152	-52	3	51		
	W5							
1	Removal of OHL earth wire and conductor	105	238	-56	3	52		
2	Dismantle of Pylons	105	238	-56	3	53		
3	Operation of Helicopter [5][6]	100	152	-52	3	51		
N2								
	B5							
1	Removal of OHL earth wire and conductor	105	290	-57	3	51	63	**Yes**
2	Dismantle of Pylons	105	290	-57	3	51		
3	Operation of Helicopter [5][6]	100	152	-52	3	51		
	W4							
1	Removal of OHL earth wire and conductor	107	281	-57	3	53		
2	Dismantle of Pylons	108	281	-57	3	54		
3	Operation of Helicopter [5][6]	100	152	-52	3	51		
	W5							
1	Removal of OHL earth wire and conductor	105	247	-56	3	52		
2	Dismantle of Pylons	105	247	-56	3	52		
3	Operation of Helicopter [5][6]	100	152	-52	3	51		
	W6							
1	Removal of OHL earth wire and conductor	105	266	-56	3	52		
2	Dismantle of Pylons	105	266	-56	3	52		
3	Operation of Helicopter [5][6]	100	152	-52	3	51		
N3								
	B5							
1	Removal of OHL earth wire and conductor	105	295	-57	3	51	63	**Yes**
2	Dismantle of Pylons	105	295	-57	3	51		
3	Operation of Helicopter [5][6]	100	152	-52	3	51		
	B6							
1	Removal of OHL earth wire and conductor	105	226	-55	3	53		
2	Dismantle of Pylons	105	226	-55	3	53		
3	Operation of Helicopter [5][6]	100	152	-52	3	51		
	W5							
1	Removal of OHL earth wire and conductor	105	273	-57	3	51		
2	Dismantle of Pylons	105	273	-57	3	52		
3	Operation of Helicopter [5][6]	100	152	-52	3	51		
	W6							
1	Removal of OHL earth wire and conductor	105	166	-52	3	56		
2	Dismantle of Pylons	105	166	-52	3	56		
3	Operation of Helicopter [5][6]	100	152	-52	3	51		
N4								
	B6							
1	Removal of OHL earth wire and conductor	105	231	-55	3	53	63	**Yes**
2	Dismantle of Pylons	105	231	-55	3	53		
3	Operation of Helicopter [5][6]	100	152	-52	3	51		
	W5							
1	Removal of OHL earth wire and conductor	105	298	-57	3	51		
2	Dismantle of Pylons	105	298	-57	3	51		
3	Operation of Helicopter [5][6]	100	152	-52	3	51		
	W6							
1	Removal of OHL earth wire and conductor	105	169	-53	3	55		
2	Dismantle of Pylons	105	169	-53	3	56		
3	Operation of Helicopter [5][6]	100	152	-52	3	51		
	W7							
1	Removal of OHL earth wire and conductor	105	281	-57	3	51		
2	Dismantle of Pylons	105	281	-57	3	51		
3	Operation of Helicopter [5][6]	100	152	-52	3	51		
N5								
	B6							
1	Removal of OHL earth wire and conductor	105	279	-57	3	51	63	**Yes**
2	Dismantle of Pylons	105	279	-57	3	51		
3	Operation of Helicopter [5][6]	100	152	-52	3	51		
	B7							
1	Removal of OHL earth wire and conductor	105	279	-57	3	51		
2	Dismantle of Pylons	105	279	-57	3	51		
3	Operation of Helicopter [5][6]	100	152	-52	3	51		
	W6							
1	Removal of OHL earth wire and conductor	105	216	-55	3	53		
2	Dismantle of Pylons	105	216	-55	3	54		
3	Operation of Helicopter [5][6]	100	152	-52	3	51		
	W7							
1	Removal of OHL earth wire and conductor	105	231	-55	3	53		
2	Dismantle of Pylons	105	231	-55	3	53		
3	Operation of Helicopter [5][6]	100	152	-52	3	51		
N6								
	B7							
1	Removal of OHL earth wire and conductor	105	242	-56	3	52	63	**Yes**

Appendix B3

Construction Noise Calculation for General Construction Works

No.	Activity Description [1]	SWL dB(A)	Distance m	Corr. for Distance dB(A) [2]	Corr. for façade dB(A)	Predicted Construction Noise Level dB(A)[3][4]	Overall Predicted Construction Noise Level dB(A)[5]	Compliance
2	Dismantle of Pylons	105	242	-56	3	53		
3	Operation of Helicopter [5][6]	100	152	-52	3	51		
	W6							
1	Removal of OHL earth wire and conductor	105	263	-56	3	52		
2	Dismantle of Pylons	105	263	-56	3	52		
3	Operation of Helicopter [5][6]	100	152	-52	3	51		
	W7							
1	Removal of OHL earth wire and conductor	105	189	-54	3	54		
2	Dismantle of Pylons	105	189	-54	3	55		
3	Operation of Helicopter [5][6]	100	152	-52	3	51		
	W8							
1	Removal of OHL earth wire and conductor	105	300	-58	3	50		
2	Dismantle of Pylons	105	300	-58	3	51		
3	Operation of Helicopter [5][6]	100	152	-52	3	51		
N7								
	B7							
1	Removal of OHL earth wire and conductor	105	215	-55	3	53	64	**Yes**
2	Dismantle of Pylons	105	215	-55	3	54		
3	Operation of Helicopter [5][6]	100	152	-52	3	51		
	B8							
1	Removal of OHL earth wire and conductor	105	276	-57	3	51		
2	Dismantle of Pylons	105	276	-57	3	51		
3	Operation of Helicopter [5][6]	100	152	-52	3	51		
	W7							
1	Removal of OHL earth wire and conductor	105	162	-52	3	56		
2	Dismantle of Pylons	105	162	-52	3	56		
3	Operation of Helicopter [5][6]	100	152	-52	3	51		
	W8							
1	Removal of OHL earth wire and conductor	105	237	-55	3	53		
2	Dismantle of Pylons	105	237	-55	3	53		
3	Operation of Helicopter [5][6]	100	152	-52	3	51		
N8								
	B7							
1	Removal of OHL earth wire and conductor	105	293	-57	3	51	59	**Yes**
2	Dismantle of Pylons	105	293	-57	3	51		
3	Operation of Helicopter [5][6]	100	152	-52	3	51		
	W7							
1	Removal of OHL earth wire and conductor	105	239	-56	3	52		
2	Dismantle of Pylons	105	239	-56	3	53		
3	Operation of Helicopter [5][6]	100	152	-52	3	51		
N9								
	W11							
1	Removal of OHL earth wire and conductor	105	280	-57	3	51	56	**Yes**
2	Dismantle of Pylons	105	280	-57	3	51		
3	Operation of Helicopter [5][6]	100	152	-52	3	51		
N10								
	W25							
1	Removal of OHL earth wire and conductor	105	183	-53	3	55	64	**Yes**
2	Dismantle of Pylons	105	183	-53	3	55		
3	Operation of Helicopter [5][6]	100	152	-52	3	51		
	W26							
1	Removal of OHL earth wire and conductor	107	140	-51	3	59		
2	Dismantle of Pylons	108	140	-51	3	60		
3	Operation of Helicopter [5][6]	100	152	-52	3	51		
N11								
	W25							
1	Removal of OHL earth wire and conductor	105	188	-53	3	55	69	**Yes**
2	Dismantle of Pylons	105	188	-53	3	55		
3	Operation of Helicopter [5][6]	100	152	-52	3	51		
	W26							
1	Removal of OHL earth wire and conductor	107	76	-46	3	64		
2	Dismantle of Pylons	108	76	-46	3	66		
3	Operation of Helicopter [5][6]	100	152	-52	3	51		
N12								
	W25							
1	Removal of OHL earth wire and conductor	105	190	-54	3	54	75	**Yes**
2	Dismantle of Pylons	105	190	-54	3	55		
3	Operation of Helicopter [5][6]	100	152	-52	3	51		
	W26							
1	Removal of OHL earth wire and conductor	107	33	-38	3	71		
2	Dismantle of Pylons	108	33	-38	3	73		
3	Operation of Helicopter [5][6]	100	152	-52	3	51		
N13								
	B17							
1	Removal of OHL earth wire and conductor	108	248	-56	3	55	62	**Yes**
2	Dismantle of Pylons	108	248	-56	3	55		
	B18							
1	Removal of OHL earth wire and conductor	105	151	-52	3	56		
2	Dismantle of Pylons	105	151	-52	3	57		
3	Operation of Helicopter [5][6]	100	152	-52	3	51		
N14								
	B18							
1	Removal of OHL earth wire and conductor	105	214	-55	3	53	66	**Yes**
2	Dismantle of Pylons	105	214	-55	3	54		
3	Operation of Helicopter [5][6]	100	152	-52	3	51		
	B19							
1	Removal of OHL earth wire and conductor	105	92	-47	3	61		
2	Dismantle of Pylons	105	92	-47	3	61		
3	Operation of Helicopter [5][6]	100	152	-52	3	51		
	B20							
1	Removal of OHL earth wire and conductor	105	252	-56	3	52		
2	Dismantle of Pylons	105	252	-56	3	52		
3	Operation of Helicopter [5][6]	100	152	-52	3	51		
N15								
	B18							
1	Removal of OHL earth wire and conductor	105	300	-58	3	50	64	**Yes**
2	Dismantle of Pylons	105	300	-58	3	51		
3	Operation of Helicopter [5][6]	100	152	-52	3	51		
	B19							
1	Removal of OHL earth wire and conductor	105	151	-52	3	56		
2	Dismantle of Pylons	105	151	-52	3	57		
3	Operation of Helicopter [5][6]	100	152	-52	3	51		
	B20							
1	Removal of OHL earth wire and conductor	105	178	-53	3	55		
2	Dismantle of Pylons	105	178	-53	3	55		

Appendix B3

Construction Noise Calculation for General Construction Works

No.	Activity Description [1]	SWL dB(A)	Distance m	Corr. for Distance dB(A) [2]	Corr. for façade dB(A)	Predicted Construction Noise Level dB(A)[3][4]	Overall Predicted Construction Noise Level dB(A)[5]	Compliance
3	Operation of Helicopter [5][6]	100	152	-52	3	51		
	B21							
1	Removal of OHL earth wire and conductor	105	284	-57	3	51		
2	Dismantle of Pylons	105	284	-57	3	51		
3	Operation of Helicopter [5][6]	100	152	-52	3	51		
N16								
	B20							
1	Removal of OHL earth wire and conductor	105	168	-52	3	56	64	**Yes**
2	Dismantle of Pylons	105	168	-52	3	56		
3	Operation of Helicopter [5][6]	100	152	-52	3	51		
	B21							
1	Removal of OHL earth wire and conductor	105	159	-52	3	56		
2	Dismantle of Pylons	105	159	-52	3	56		
3	Operation of Helicopter [5][6]	100	152	-52	3	51		
	B22							
1	Removal of OHL earth wire and conductor	107	222	-55	3	55		
2	Dismantle of Pylons	108	222	-55	3	56		
3	Operation of Helicopter [5][6]	100	152	-52	3	51		
N17								
	B23							
1	Removal of OHL earth wire and conductor	107	110	-49	3	61	65	**Yes**
2	Dismantle of Pylons	108	110	-49	3	62		
3	Operation of Helicopter [5][6]	100	152	-52	3	51		
N18								
	B24							
1	Removal of OHL earth wire and conductor	105	119	-50	3	58	68	**Yes**
2	Dismantle of Pylons	105	119	-50	3	59		
3	Operation of Helicopter [5][6]	100	152	-52	3	51		
	B25							
1	Removal of OHL earth wire and conductor	105	77	-46	3	62		
2	Dismantle of Pylons	105	77	-46	3	63		
3	Operation of Helicopter [5][6]	100	152	-52	3	51		
	B26							
1	Removal of OHL earth wire and conductor	105	141	-51	3	57		
2	Dismantle of Pylons	105	141	-51	3	57		
3	Operation of Helicopter [5][6]	100	152	-52	3	51		
N19								
	B24							
1	Removal of OHL earth wire and conductor	105	236	-55	3	53	70	**Yes**
2	Dismantle of Pylons	105	236	-55	3	53		
3	Operation of Helicopter [5][6]	100	152	-52	3	51		
	B25							
1	Removal of OHL earth wire and conductor	105	160	-52	3	56		
2	Dismantle of Pylons	105	160	-52	3	56		
3	Operation of Helicopter [5][6]	100	152	-52	3	51		
	B26							
1	Removal of OHL earth wire and conductor	105	50	-42	3	66		
2	Dismantle of Pylons	105	50	-42	3	66		
3	Operation of Helicopter [5][6]	100	152	-52	3	51		
	B27							
1	Removal of OHL earth wire and conductor	107	233	-55	3	54		
2	Dismantle of Pylons	108	233	-55	3	56		
3	Operation of Helicopter [5][6]	100	152	-52	3	51		
N20								
	B26							
1	Removal of OHL earth wire and conductor	105	199	-54	3	54	64	**Yes**
2	Dismantle of Pylons	105	199	-54	3	54		
3	Operation of Helicopter [5][6]	100	152	-52	3	51		
	B27							
1	Removal of OHL earth wire and conductor	107	141	-51	3	59		
2	Dismantle of Pylons	108	141	-51	3	60		
3	Operation of Helicopter [5][6]	100	152	-52	3	51		
N21								
	B26							
1	Removal of OHL earth wire and conductor	105	262	-56	3	52	71	**Yes**
2	Dismantle of Pylons	105	262	-56	3	52		
3	Operation of Helicopter [5][6]	100	152	-52	3	51		
	B27							
1	Removal of OHL earth wire and conductor	107	54	-43	3	67		
2	Dismantle of Pylons	108	54	-43	3	69		
3	Operation of Helicopter [5][6]	100	152	-52	3	51		
N22								
	B25							
1	Removal of OHL earth wire and conductor	105	259	-56	3	52	66	**Yes**
2	Dismantle of Pylons	105	259	-56	3	52		
3	Operation of Helicopter [5][6]	100	152	-52	3	51		
	B26							
1	Removal of OHL earth wire and conductor	105	105	-48	3	60		
2	Dismantle of Pylons	105	105	-48	3	60		
3	Operation of Helicopter [5][6]	100	152	-52	3	51		
	B27							
1	Removal of OHL earth wire and conductor	107	142	-51	3	59		
2	Dismantle of Pylons	108	142	-51	3	60		
3	Operation of Helicopter [5][6]	100	152	-52	3	51		
N23								
	B24							
1	Removal of OHL earth wire and conductor	105	133	-50	3	58	63	**Yes**
2	Dismantle of Pylons	105	133	-50	3	58		
3	Operation of Helicopter [5][6]	100	152	-52	3	51		
	B25							
1	Removal of OHL earth wire and conductor	105	162	-52	3	56		
2	Dismantle of Pylons	105	162	-52	3	56		
N24								
	W11							
1	Removal of OHL earth wire and conductor	105	195	-54	3	54	68	**Yes**
2	Dismantle of Pylons	105	195	-54	3	54		
3	Operation of Helicopter [5][6]	100	152	-52	3	51		
	W12							
1	Removal of OHL earth wire and conductor	107	84	-46	3	63		
2	Dismantle of Pylons	105	84	-46	3	62		
3	Operation of Helicopter [5][6]	100	152	-52	3	51		
	B11							
1	Removal of OHL earth wire and conductor	105	267	-57	3	51		
2	Dismantle of Pylons	105	267	-57	3	52		
3	Operation of Helicopter [5][6]	100	152	-52	3	51		
	B12							
1	Removal of OHL earth wire and conductor	107	139	-51	3	59		

Appendix B3

Construction Noise Calculation for General Construction Works

No.	Activity Description [1]	SWL dB(A)	Distance m	Corr. for Distance dB(A) [2]	Corr. for façade dB(A)	Predicted Construction Noise Level dB(A)[3][4]	Overall Predicted Construction Noise Level dB(A)[5]	Compliance
2	Dismantle of Pylons	105	139	-51	3	57		
	B13							
1	Removal of OHL earth wire and conductor	105	299	-57	3	51		
2	Dismantle of Pylons	105	299	-57	3	51		
3	Operation of Helicopter [5][6]	100	152	-52	3	51		
PN1								
	B3							
1	Removal of OHL earth wire and conductor	101	286	-57	3	47	65	**Yes**
2	Dismantle of Pylons	105	286	-57	3	51		
3	Operation of Helicopter [5][6]	100	152	-52	3	51		
	B4							
1	Removal of OHL earth wire and conductor	107	266	-56	3	53		
2	Dismantle of Pylons	108	266	-56	3	55		
3	Operation of Helicopter [5][6]	100	152	-52	3	51		
	B5							
1	Removal of OHL earth wire and conductor	105	266	-56	3	52		
2	Dismantle of Pylons	105	266	-56	3	52		
3	Operation of Helicopter [5][6]	100	152	-52	3	51		
	W3							
1	Removal of OHL earth wire and conductor	101	251	-56	3	48		
2	Dismantle of Pylons	105	251	-56	3	52		
3	Operation of Helicopter [5][6]	100	152	-52	3	51		
	W4				3			
1	Removal of OHL earth wire and conductor	107	231	-55	3	54		
2	Dismantle of Pylons	108	231	-55	3	56		
3	Operation of Helicopter [5][6]	100	152	-52	3	51		
	W5							
1	Removal of OHL earth wire and conductor	105	218	-55	3	53		
2	Dismantle of Pylons	105	218	-55	3	54		
3	Operation of Helicopter [5][6]	100	152	-52	3	51		
	W6							
1	Removal of OHL earth wire and conductor	105	286	-57	3	51		
2	Dismantle of Pylons	105	286	-57	3	51		
3	Operation of Helicopter [5][6]	100	152	-52	3	51		
PN2								
	B25							
1	Removal of OHL earth wire and conductor	105	257	-56	3	52	64	**Yes**
2	Dismantle of Pylons	105	257	-56	3	52		
3	Operation of Helicopter [5][6]	100	152	-52	3	51		
	B26							
1	Removal of OHL earth wire and conductor	105	133	-50	3	58		
2	Dismantle of Pylons	105	133	-50	3	58		
3	Operation of Helicopter [5][6]	100	152	-52	3	51		
	B27							
1	Removal of OHL earth wire and conductor	107	213	-55	3	55		
2	Dismantle of Pylons	108	213	-55	3	57		
3	Operation of Helicopter [5][6]	100	152	-52	3	51		

Notes:

[1] Only sections within 300m from the NSRs will be included in the calculation.

[2] Distance Correction for PMEs = $10*\log(2*\Pi*r^2)$

[3] The figures are rounded-up to a whole number.

[4] Predicted Construction Noise Level = SWL + Distance Correction + Barrier Correction + Façade Correction

[5] Reference of SWL of helicopter has been made to the approved EIA Report for Tung Chung Cable Car Project (Register No.: AEIAR-074/2003) based on an older model of helicopter with higher EPNLs for different modes. (Acoustic Certification of Helicopter KA-32A: https://dspace-erf.nlr.nl/xmlui/bitstream/handle/20.500.11881/1319/73.pdf?sequence=1).

[6] The distance for operation of helicopter is based on the shortest minimum required buffer distance from helicopter noise impact assessment which is the threshold above NSRs according to the requirements of Hong Kong's Civil Aviation Department (see **Appendix B1-1**).

APPENDIX C ECOLOGICAL BASELINE

Legend

- Aquatic Sampling Point
- Survey Transect
- B-Line
- W-Line
- Pylon
- 500m from B-Line and W-Line Alignment

B1 B2 B3 B4 B5 B6 B7 B8 B9 B10 B11 B12 B13 B14 B15 B16 B17 B18 B19 B20 B21 B22 B23 B24 B25 B26 B27

W2 W3 W4 W5 W6 W7 W8 W9 W10 W11 W12 W13 W14 W15 W16 W17 W18 W19 W20 W21 W22 W23 W24 W25 W26

Catchwater 引水道

N

Metres

0 400 800

Figure C

Survey Transect

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Date: 19/9/2023

Environmental Resources Management

ERM

Legend

- B-Line
- W-Line
- Pylon
- 500m from B-Line and W-Line Alignment

Habitat

- Woodland
- Shrubland/ Grassland
- Watercourse/ Water Body
- Developed/ Disturbed Area

Species of Conservation Importance

Flora (Group)

- *Diospyros vaccinioides* (Group)

Flora

- *Aquilaria sinensis*
- *Artabotrys hongkongensis*
- *Artocarpus hypargyreus*
- *Camellia crapnelliana*
- *Camellia granthamiana*
- *Camellia hongkongensis*
- *Canthium dicoccum*
- *Castanopsis concinna*
- *Diospyros vaccinioides*
- *Endospermum chinense*
- *Enkianthus quinqueflorus*
- *Eulophia graminea*
- *Geodorum densiflorum*
- *Gleditsia australis*
- *Lagerstroemia fordii*
- *Lysimachia alpestris*
- *Pavetta hongkongensis*
- *Rhododendron simsii*
- *Rhodoleia championii*

Mammal

- Masked Palm Civet
- Chinese Horseshoe Bat
- Himalayan Leaf-nosed Bat
- East Asian Porcupine
- Pallas's Squirrel
- Short-nosed Fruit Bat

Avifauna

- Asian Barred Owlet
- Black Kite
- Chinese Hwamei
- Collared Scops Owl
- Crested Serpent Eagle
- Eastern Cattle Egret
- Greater Coucal
- Rufous-Capped Babbler
- White-bellied Sea Eagle
- Yellow-crested Cockatoo

Herpetofauna

- Common Rat Snake
- Hong Kong Cascade Frog
- Short-legged Toad
- Tokay Gecko
- Chinese Water Dragon
- Lesser Spiny Frog

Butterfly

- Common Archduke
- Swallowtail
- Common Rose
- Falcate Oak Blue
- Orange Punch
- Spotted Sawtooth
- Tailless Line Blue

Odonates

- Emerald Cascader

Freshwater Invertebrates

- *Nanhaipotamon hongkongense*

Figure C1d

Figure C1c

Figure C1b

Figure C1a

N

Metres

0 400 800

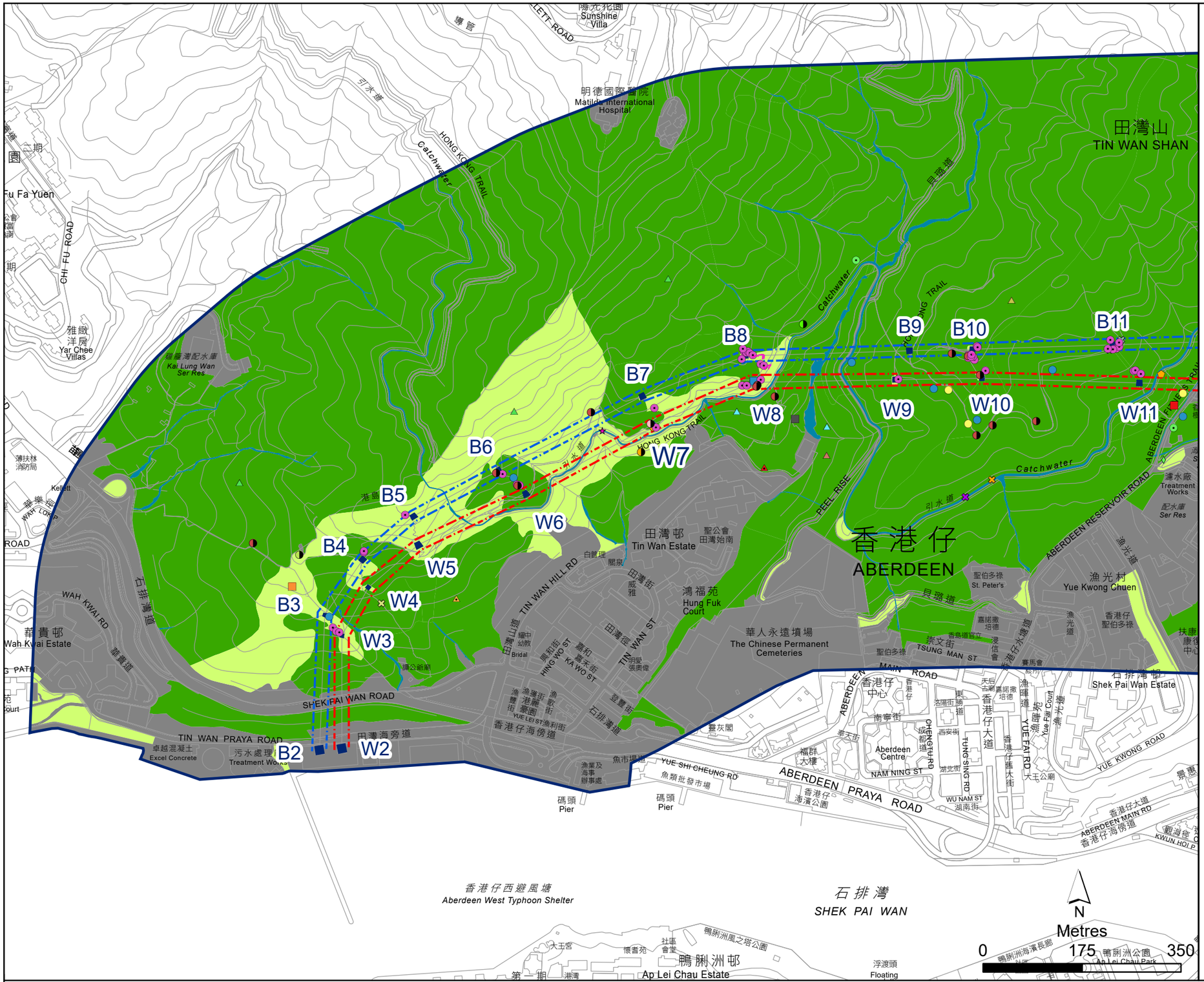
Figure C1

Habitat Map and Species of Conservation Importance Recorded

File: T:\GIS\CONTRACT\0643361\mxd\0643361_Habitat_and_Species_of_Conservation_Importance_v2.mxd
Date: 3/11/2023

Environmental Resources Management

ERM



Legend

- B-Line
- W-Line
- Pylon
- 500m from B-Line and W-Line Alignment

Habitat

- Woodland
- Shrubland/ Grassland
- Watercourse/ Water Body
- Developed/ Disturbed Area

Flora (Group)

Species

- *Diospyros vaccinioides* (Group)

Species of Conservation Importance

Flora

- *Aquilaria sinensis*
- *Artabotrys hongkongensis*
- *Artocarpus hypargyreus*
- *Camellia crapnelliana*
- *Camellia granthamiana*
- *Camellia hongkongensis*
- *Canthium dicoccum*
- *Castanopsis concinna*
- *Diospyros vaccinioides*
- *Endospermum chinense*
- *Enkianthus quinqueflorus*
- *Eulophia graminea*
- *Geodorum densiflorum*
- *Gleditsia australis*
- *Lagerstroemia fordii*
- *Lysimachia alpestris*
- *Pavetta hongkongensis*
- *Rhododendron simsii*
- *Rhodoleia championii*

Mammal

- Masked Palm Civet
- Chinese Horseshoe Bat
- Himalayan Leaf-nosed Bat
- East Asian Porcupine
- Pallas's Squirrel
- Short-nosed Fruit Bat

Avifauna

- Asian Barred Owlet
- Black Kite
- Chinese Hwamei
- Collared Scops Owl
- Crested Serpent Eagle
- Eastern Cattle Egret
- Greater Coucal
- Rufous-Capped Babbler
- White-bellied Sea Eagle
- Yellow-crested Cockatoo

Herpetofauna

- Common Rat Snake
- Hong Kong Cascade Frog
- Short-legged Toad
- Tokay Gecko
- Chinese Water Dragon
- Lesser Spiny Frog

Butterfly

- Common Archduke
- Swallowtail
- Common Rose
- Falcate Oak Blue
- Orange Punch
- Spotted Sawtooth
- Tailless Line Blue

Odonates

- Emerald Cascader

Freshwater Invertebrates

- *Nanhaipotamon hongkongense*

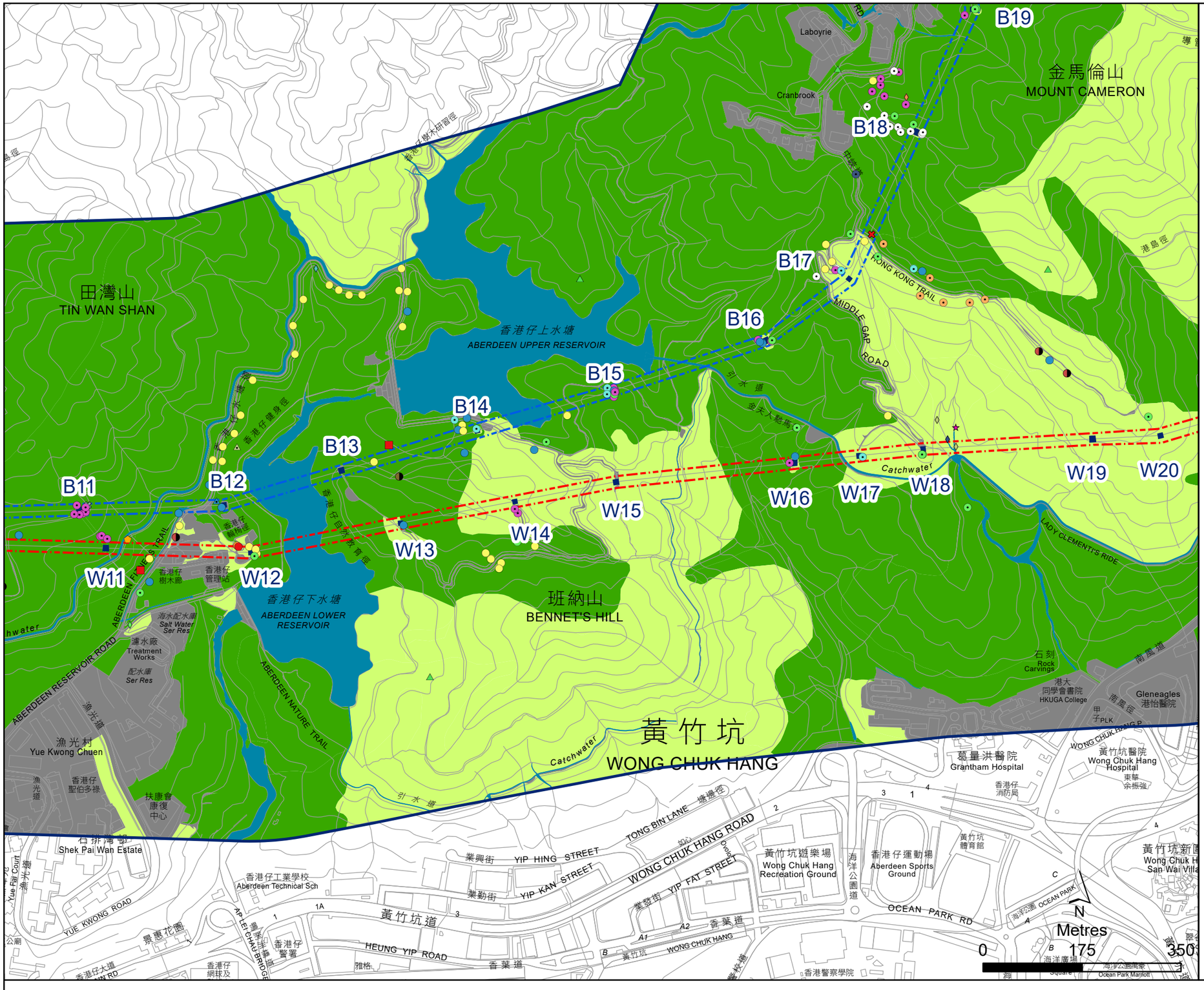
Figure C1a

Habitat Map and Species of Conservation Importance Recorded

File: T:\GIS\CONTRACT\0643361\mxd\0643361_Habitat_and_Species_of_Conservation_Importance_zoom1_v2.mxd
Date: 30/10/2023

Environmental Resources Management

ERM



Legend

- B-Line
- W-Line
- Pylon
- 500m from B-Line and W-Line Alignment

Habitat

- Woodland
- Shrubland/ Grassland
- Watercourse/ Water Body
- Developed/ Disturbed Area

Flora (Group)

Species

- *Diospyros vaccinioides* (Group)

Species of Conservation Importance

Flora

- *Aquilaria sinensis*
- *Artabotrys hongkongensis*
- *Artocarpus hypargyreus*
- *Camellia crapnelliana*
- *Camellia granthamiana*
- *Camellia hongkongensis*
- *Canthium dicoccum*
- *Castanopsis concinna*
- *Diospyros vaccinioides*
- *Endospermum chinense*
- *Enkianthus quinqueflorus*
- *Eulophia graminea*
- *Geodorum densiflorum*
- *Gleditsia australis*
- *Lagerstroemia fordii*
- *Lysimachia alpestris*
- *Pavetta hongkongensis*
- *Rhododendron simsii*
- *Rhodoleia championii*

Mammal

- Masked Palm Civet
- Chinese Horseshoe Bat
- Himalayan Leaf-nosed Bat
- East Asian Porcupine
- Pallas's Squirrel
- Short-nosed Fruit Bat

Avifauna

- Asian Barred Owlet
- Black Kite
- Chinese Hwamei
- Collared Scops Owl
- Crested Serpent Eagle
- Eastern Cattle Egret
- Greater Coucal
- Rufous-Capped Babbler
- White-bellied Sea Eagle
- Yellow-crested Cockatoo

Herpetofauna

- Common Rat Snake
- Hong Kong Cascade Frog
- Short-legged Toad
- Tokay Gecko
- Chinese Water Dragon
- Lesser Spiny Frog

Butterfly

- Common Archduke
- Swallowtail
- Common Rose
- Falcate Oak Blue
- Orange Punch
- Spotted Sawtooth
- Tailless Line Blue

Odonates

- Emerald Cascader

Freshwater Invertebrates

- *Nanhaipotamon hongkongense*

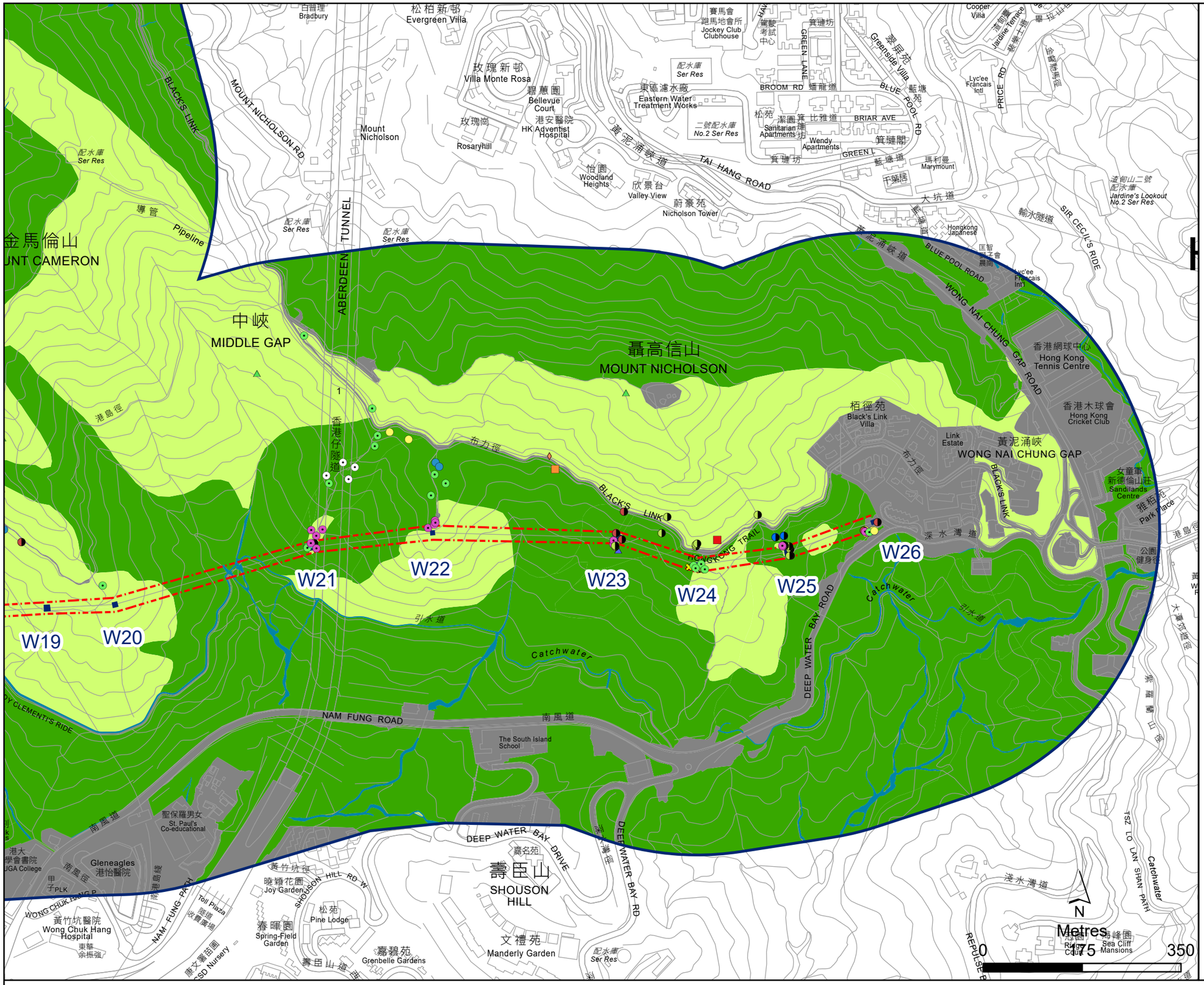
Figure C1b

Habitat Map and Species of Conservation Importance Recorded

File: T:\GIS\CONTRACT\0643361\mxd\0643361_Habitat_and_Species_of_Conservation_Importance_zoom2_v2.mxd
Date: 30/10/2023

Environmental Resources Management

ERM



Legend

- B-Line
- W-Line
- Pylon
- 500m from B-Line and W-Line Alignment

Habitat

- Woodland
- Shrubland/ Grassland
- Watercourse/ Water Body
- Developed/ Disturbed Area

Flora (Group)

Species

- *Diospyros vaccinioides* (Group)

Species of Conservation Importance

Flora

- *Aquilaria sinensis*
- *Artabotrys hongkongensis*
- *Artocarpus hypargyreus*
- *Camellia crapnelliana*
- *Camellia granthamiana*
- *Camellia hongkongensis*
- *Canthium dicoccum*
- *Castanopsis concinna*
- *Diospyros vaccinioides*
- *Endospermum chinense*
- *Enkianthus quinqueflorus*
- *Eulophia graminea*
- *Geodorum densiflorum*
- *Gleditsia australis*
- *Lagerstroemia fordii*
- *Lysimachia alpestris*
- *Pavetta hongkongensis*
- *Rhododendron simsii*
- *Rhodoleia championii*

Mammal

- Masked Palm Civet
- Chinese Horseshoe Bat
- Himalayan Leaf-nosed Bat
- East Asian Porcupine
- Pallas's Squirrel
- Short-nosed Fruit Bat

Avifauna

- Asian Barred Owlet
- Black Kite
- Chinese Hwamei
- Collared Scops Owl
- Crested Serpent Eagle
- Eastern Cattle Egret
- Greater Coucal
- Rufous-Capped Babbler
- White-bellied Sea Eagle
- Yellow-crested Cockatoo

Herpetofauna

- Common Rat Snake
- Hong Kong Cascade Frog
- Short-legged Toad
- Tokay Gecko
- Chinese Water Dragon
- Lesser Spiny Frog

Butterfly

- Common Archduke
- Swallowtail
- Common Rose
- Falcate Oak Blue
- Orange Punch
- Spotted Sawtooth
- Tailless Line Blue

Odonates

- Emerald Cascader

Freshwater Invertebrates

- *Nanhaipotamon hongkongense*

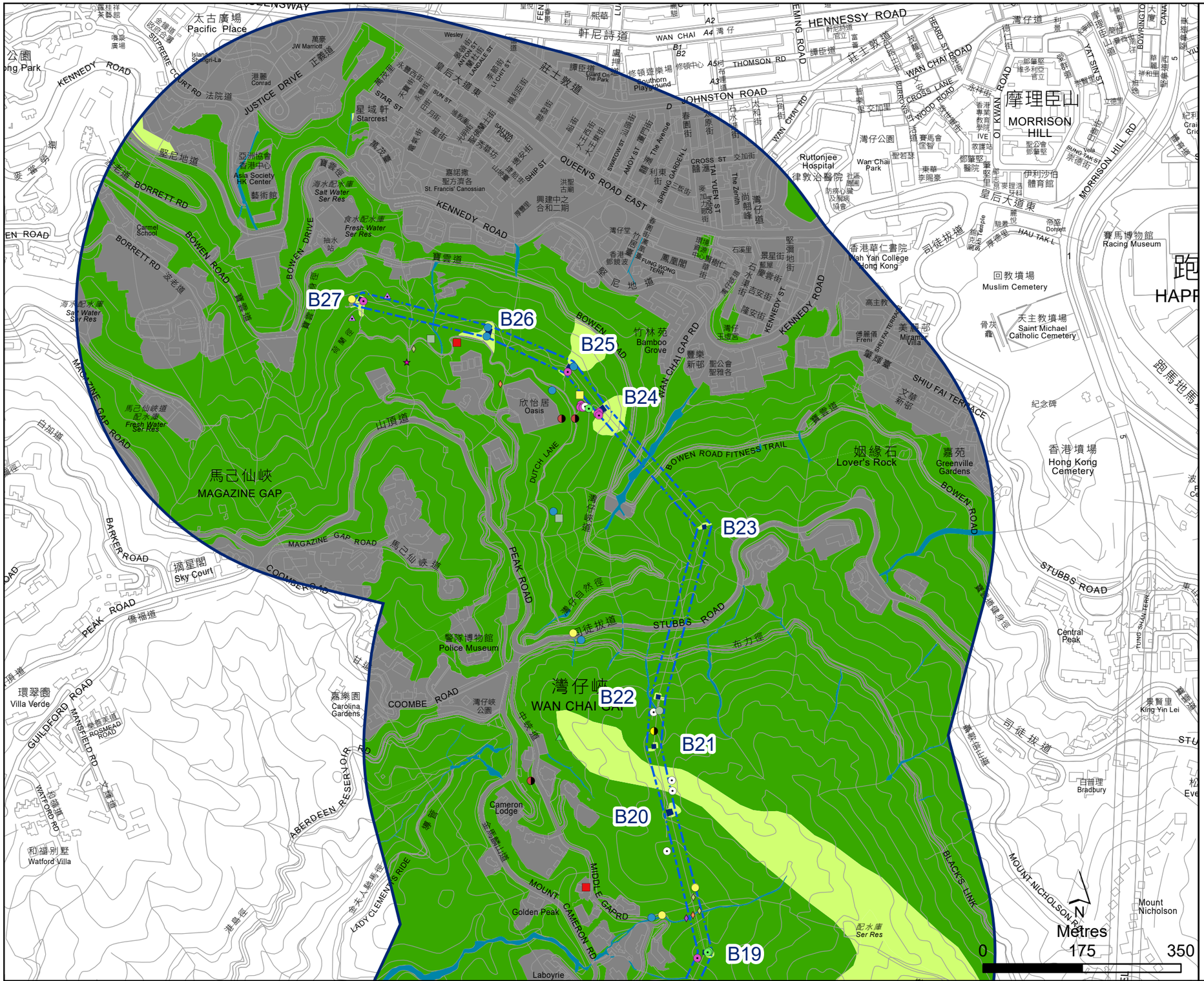
Figure C1c

Habitat Map and Species of Conservation Importance Recorded

File: T:\GIS\CONTRACT\0643361\mxd\0643361_Habitat_and_Species_of_Conservation_Importance_zoom3_v2.mxd
Date: 30/10/2023

Environmental Resources Management

ERM



Legend

- B-Line
- W-Line
- Pylon
- 500m from B-Line and W-Line Alignment

Habitat

- Woodland
- Shrubland/ Grassland
- Watercourse/ Water Body
- Developed/ Disturbed Area

Flora (Group)

Species

- *Diospyros vaccinioides* (Group)

Species of Conservation Importance

Flora

- *Aquilaria sinensis*
- *Artabotrys hongkongensis*
- *Artocarpus hypargyreus*
- *Camellia crapnelliana*
- *Camellia granthamiana*
- *Camellia hongkongensis*
- *Canthium dicoccum*
- *Castanopsis concinna*
- *Diospyros vaccinioides*
- *Endospermum chinense*
- *Enkianthus quinqueflorus*
- *Eulophia graminea*
- *Geodorum densiflorum*
- *Gleditsia australis*
- *Lagerstroemia fordii*
- *Lysimachia alpestris*
- *Pavetta hongkongensis*
- *Rhododendron simsii*
- *Rhodoleia championii*

Mammal

- Masked Palm Civet
- Chinese Horseshoe Bat
- Himalayan Leaf-nosed Bat
- East Asian Porcupine
- Pallas's Squirrel
- Short-nosed Fruit Bat

Avifauna

- Asian Barred Owlet
- Black Kite
- Chinese Hwamei
- Collared Scops Owl
- Crested Serpent Eagle
- Eastern Cattle Egret
- Greater Coucal
- Rufous-Capped Babbler
- White-bellied Sea Eagle
- Yellow-crested Cockatoo

Herpetofauna

- Common Rat Snake
- Hong Kong Cascade Frog
- Short-legged Toad
- Tokay Gecko
- Chinese Water Dragon
- Lesser Spiny Frog

Butterfly

- Common Archduke
- Swallowtail
- Common Rose
- Falcate Oak Blue
- Orange Punch
- Spotted Sawtooth
- Tailless Line Blue

Odonates

- Emerald Cascader

Freshwater Invertebrates

- *Nanhaipotamon hongkongense*

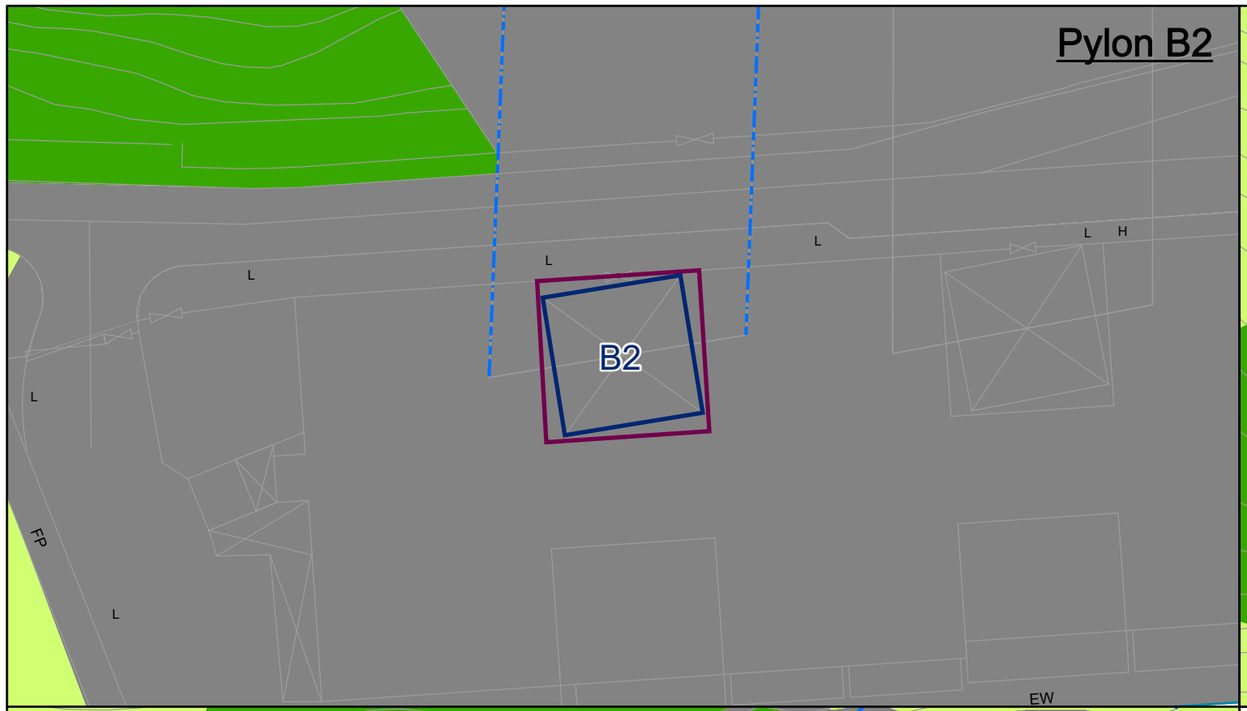
Figure C1d

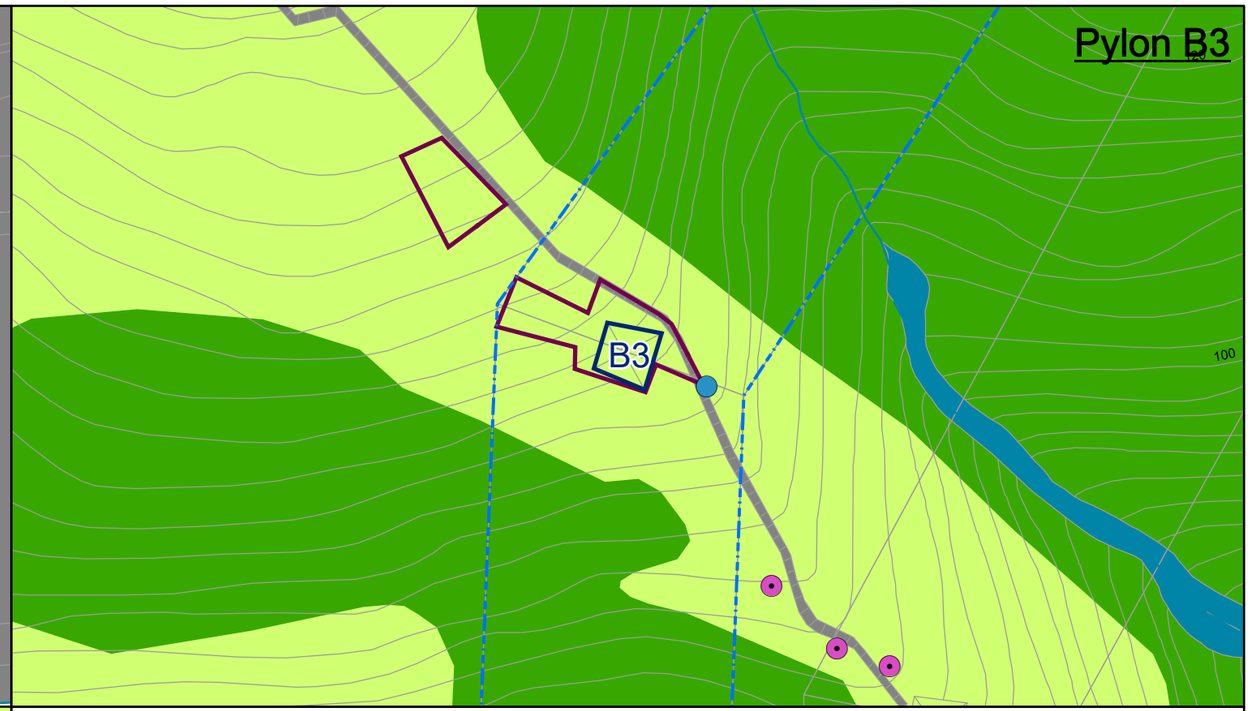
Habitat Map and Species of Conservation Importance Recorded

File: T:\GIS\CONTRACT\0643361\mxd\0643361_Habitat_and_Species_of_Conservation_Importance_zoom4_v2.mxd
Date: 30/10/2023

Environmental Resources Management

ERM





Species of Conservation Importance

Flora (Group)

- *Diospyros vaccinioides* (Group)

Flora

- *Aquilaria sinensis*
- *Artabotrys hongkongensis*
- *Artocarpus hypargyreus*
- *Camellia crapnelliana*
- *Camellia granthamiana*
- *Camellia hongkongensis*
- *Canthium dicoccum*
- *Castanopsis concinna*
- *Diospyros vaccinioides*
- *Endospermum chinense*
- *Enkianthus quinqueflorus*
- *Eulophia graminea*
- *Geodorum densiflorum*
- *Gleditsia australis*
- *Lagerstroemia fordii*
- *Lysimachia alpestris*
- *Pavetta hongkongensis*
- *Rhododendron simsii*
- *Rhodoleia championii*

Mammal

- Masked Palm Civet
- Chinese Horseshoe Bat
- Himalayan Leaf-nosed Bat
- East Asian Porcupine
- Pallas's Squirrel
- Short-nosed Fruit Bat

Avifauna

- Asian Barred Owlet
- Black Kite
- Chinese Hwamei
- Collared Scops Owl
- Crested Serpent Eagle
- Eastern Cattle Egret
- Greater Coucal
- Rufous-Capped Babbler
- White-bellied Sea Eagle
- Yellow-crested Cockatoo

Herpetofauna

- Common Rat Snake
- Hong Kong Cascade Frog
- Short-legged Toad
- Tokay Gecko
- Chinese Water Dragon
- Lesser Spiny Frog

Butterfly

- Common Archduke
- Swallowtail
- Common Rose
- Falcate Oak Blue
- Orange Punch
- Spotted Sawtooth
- Tailless Line Blue

Odonates

- Emerald Cascader

Freshwater Invertebrates

- *Nanhaipotamon hongkongense*

Legend

B-Line | Pylon | Proposed Works Area

Habitat

Woodland | Shrubland/ Grassland | Watercourse/ Water Body | Developed/ Disturbed Area

N

Metres

0 15 30

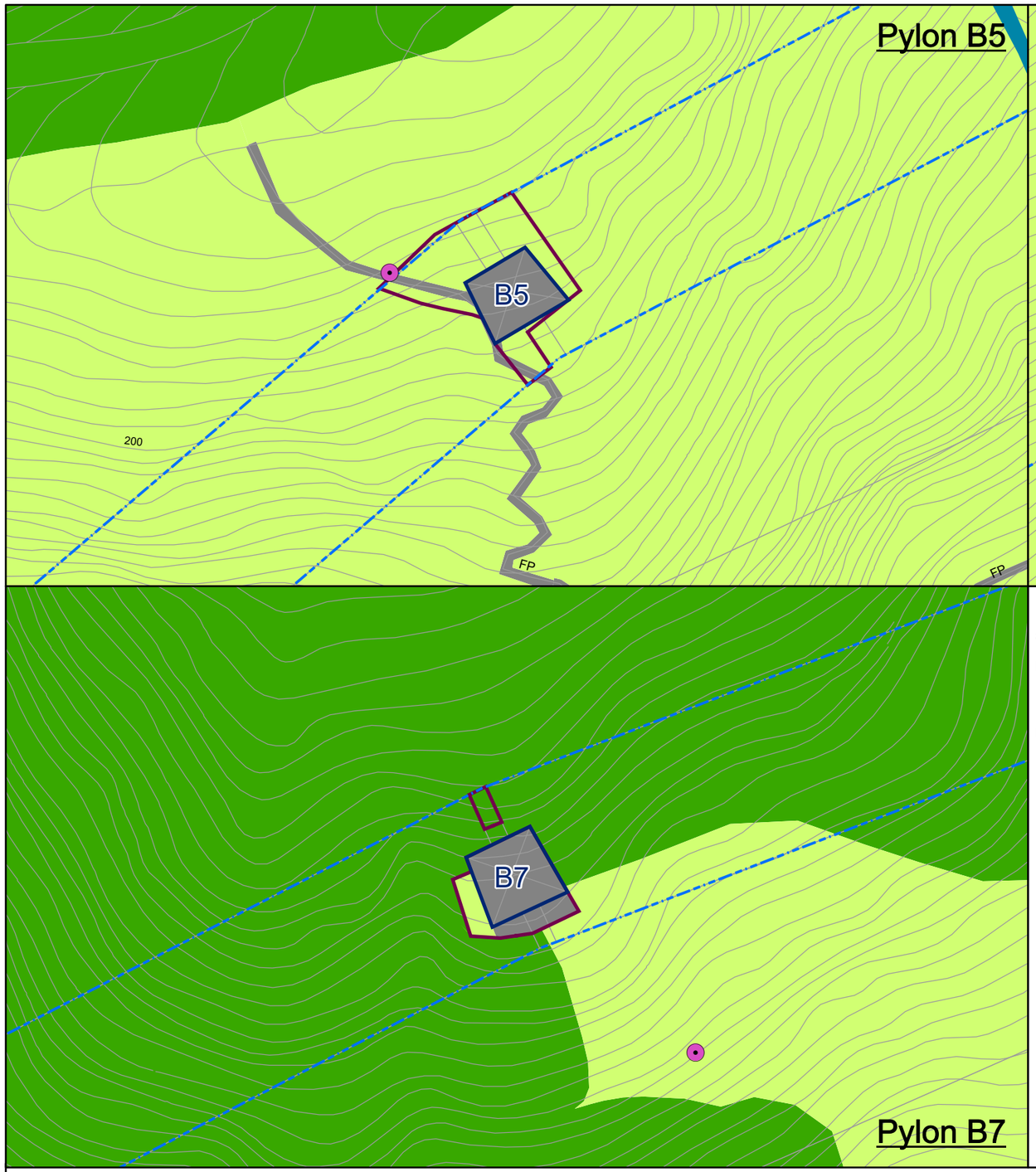
Figure C2.1

Zoom-in Habitat Map and Species of Conservation Importance Recorded (Pylon B2 - B4)

File: T:\GIS\CONTRACT\0643361\mxd\Habitat\Species\0643361_Species_of_Conservation_Importance_B-Line_1.mxd
Date: 30/10/2023

Environmental Resources Management

ERM



Species of Conservation Importance

Flora (Group)

Diospyros vaccinioides (Group)

Flora

Aquilaria sinensis
Artabotrys hongkongensis
Artocarpus hypargyreus
Camellia crapnelliana
Camellia granthamiana
Camellia hongkongensis
Canthium dicoccum
Castanopsis concinna
Diospyros vaccinioides
Endospermum chinense
Enkianthus quinqueflorus
Eulophia graminea
Geodorum densiflorum
Gleditsia australis
Lagerstroemia fordii
Lysimachia alpestris
Pavetta hongkongensis
Rhododendron simsii
Rhodoleia championii

Mammal

Masked Palm Civet
Chinese Horseshoe Bat
Himalayan Leaf-nosed Bat
East Asian Porcupine
Pallas's Squirrel
Short-nosed Fruit Bat

Avifauna

Asian Barred Owlet
Black Kite
Chinese Hwamei
Collared Scops Owl
Crested Serpent Eagle
Eastern Cattle Egret
Greater Coucal
Rufous-Capped Babbler
White-bellied Sea Eagle
Yellow-crested Cockatoo

Herpetofauna

Common Rat Snake
Hong Kong Cascade Frog
Short-legged Toad
Tokay Gecko
Chinese Water Dragon
Lesser Spiny Frog

Butterfly

Common Archduke
Swallowtail
Common Rose
Falcate Oak Blue
Orange Punch
Spotted Sawtooth
Tailless Line Blue

Odonates

Emerald Cascader

Freshwater Invertebrates

Nanhaipotamon hongkongense

Legend

B-Line | Pylon | Proposed Works Area

Habitat

Woodland | Shrubland/ Grassland | Watercourse/ Water Body | Developed/ Disturbed Area

N

Metres

0 15 30

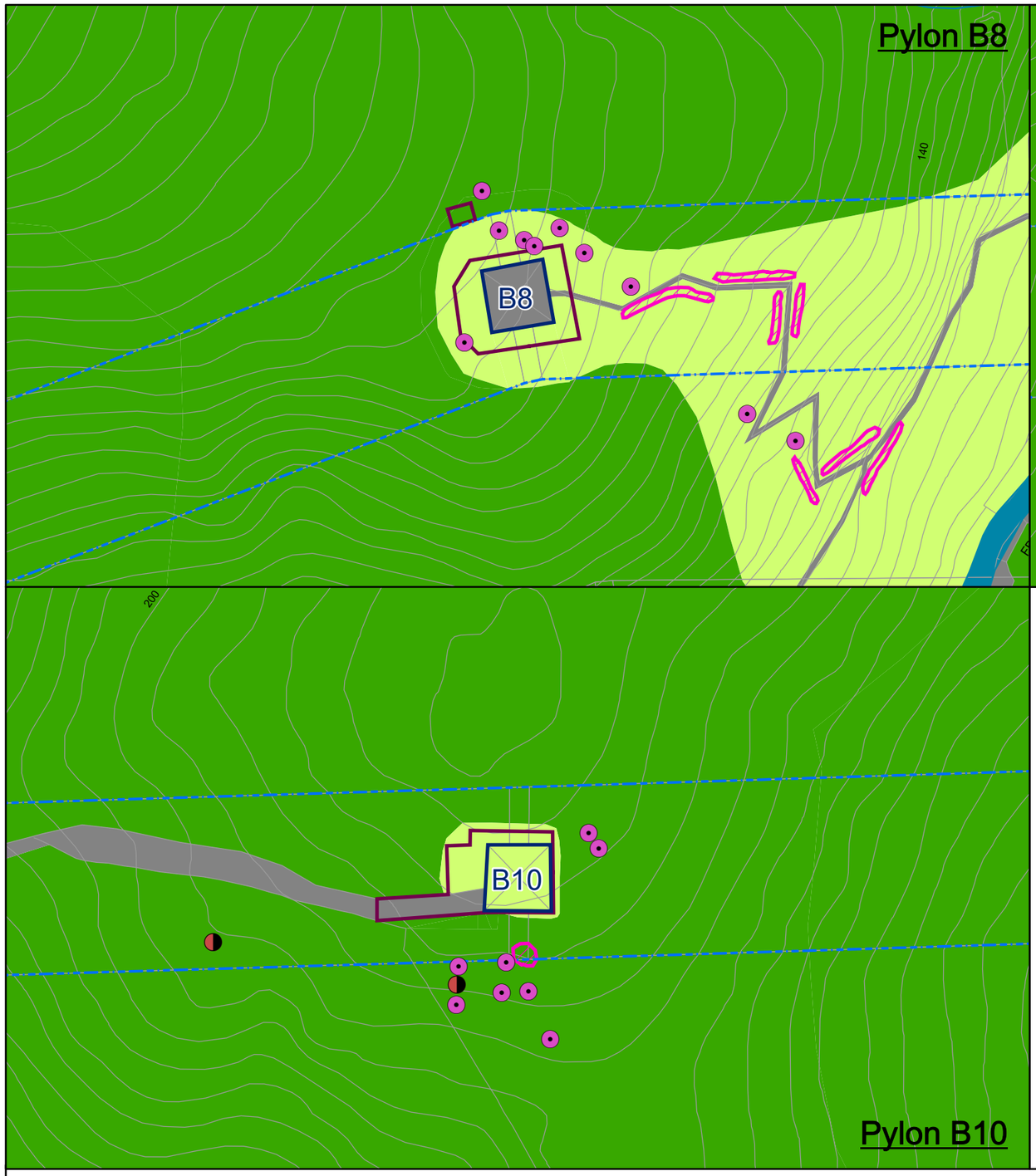
Figure C2.2

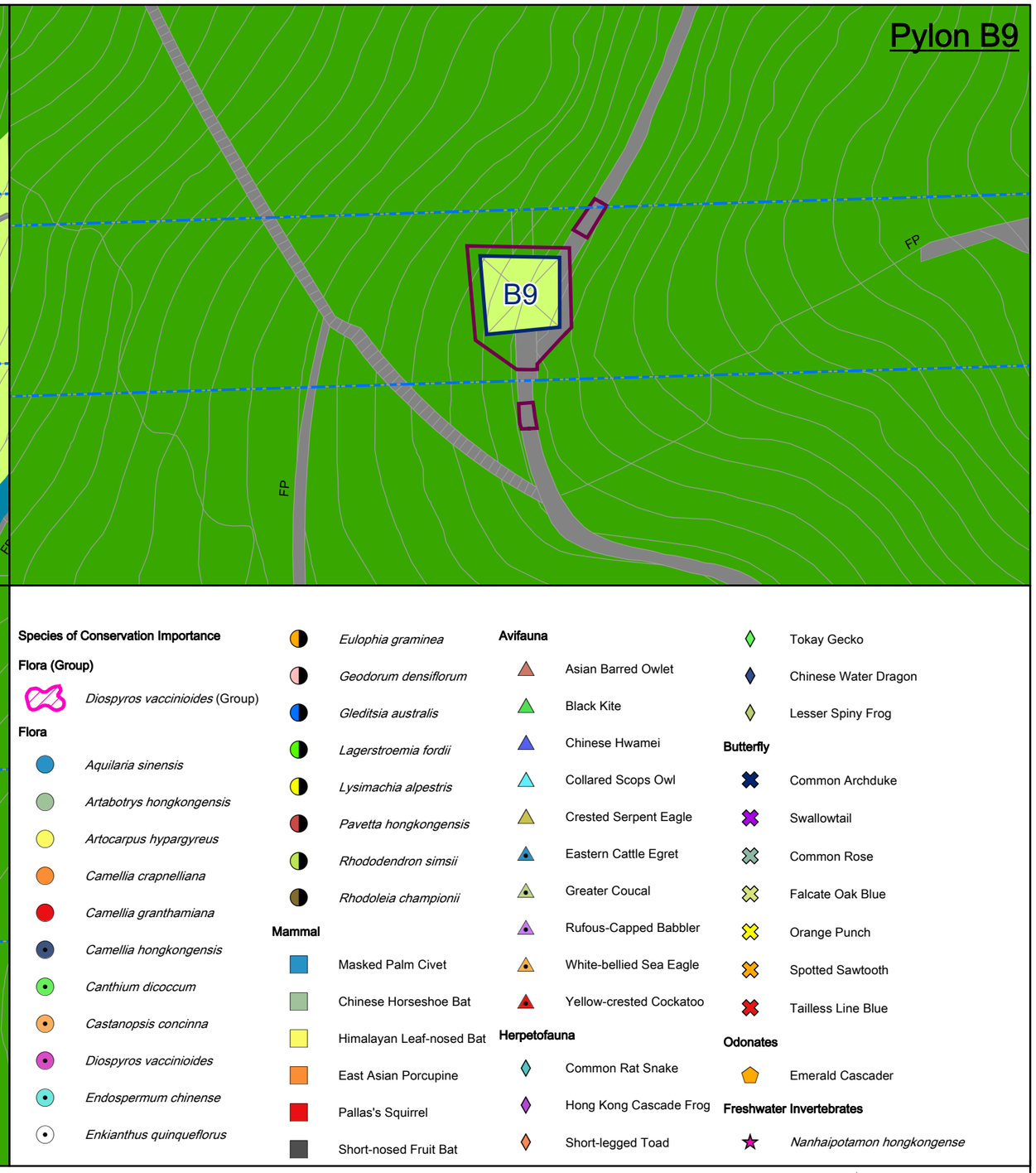
Zoom-in Habitat Map and Species of Conservation Importance Recorded
(Pylon B5 - B7)

File: T:\GIS\CONTRACT\0643361\mxd\Habitat\Species\0643361_Species_of_Conservation_Importance_B-Line_2.mxd
Date: 30/10/2023

Environmental Resources Management

ERM





Species of Conservation Importance

Flora (Group)

- *Diospyros vaccinioides* (Group)

Flora

- *Aquilaria sinensis*
- *Artabotrys hongkongensis*
- *Artocarpus hypargyreus*
- *Camellia crapnelliana*
- *Camellia granthamiana*
- *Camellia hongkongensis*
- *Canthium dicoccum*
- *Castanopsis concinna*
- *Diospyros vaccinioides*
- *Endospermum chinense*
- *Enkianthus quinqueflorus*
- *Eulophia graminea*
- *Geodorum densiflorum*
- *Gleditsia australis*
- *Lagerstroemia fordii*
- *Lysimachia alpestris*
- *Pavetta hongkongensis*
- *Rhododendron simsii*
- *Rhodoleia championii*

Mammal

- Masked Palm Civet
- Chinese Horseshoe Bat
- Himalayan Leaf-nosed Bat
- East Asian Porcupine
- Pallas's Squirrel
- Short-nosed Fruit Bat

Avifauna

- Asian Barred Owlet
- Black Kite
- Chinese Hwamei
- Collared Scops Owl
- Crested Serpent Eagle
- Eastern Cattle Egret
- Greater Coucal
- Rufous-Capped Babbler
- White-bellied Sea Eagle
- Yellow-crested Cockatoo

Herpetofauna

- Common Rat Snake
- Hong Kong Cascade Frog
- Short-legged Toad
- Tokay Gecko
- Chinese Water Dragon
- Lesser Spiny Frog

Butterfly

- Common Archduke
- Swallowtail
- Common Rose
- Falcate Oak Blue
- Orange Punch
- Spotted Sawtooth
- Tailless Line Blue

Odonates

- Emerald Cascader

Freshwater Invertebrates

- *Nanhaipotamon hongkongense*

Legend

B-Line | Pylon | Proposed Works Area

Habitat

Woodland | Shrubland/ Grassland | Watercourse/ Water Body | Developed/ Disturbed Area

N

Metres

0 15 30

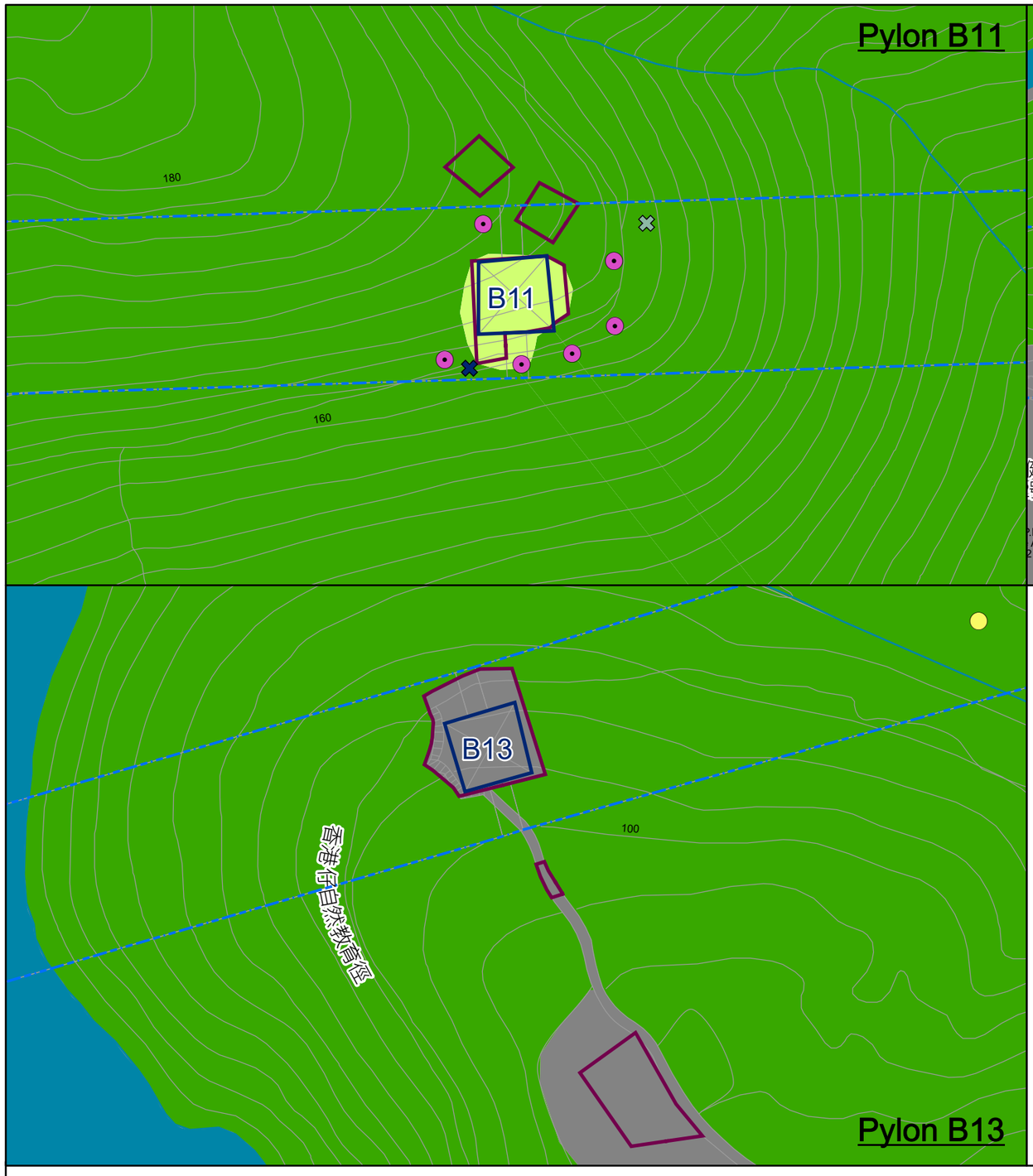
Figure C2.3

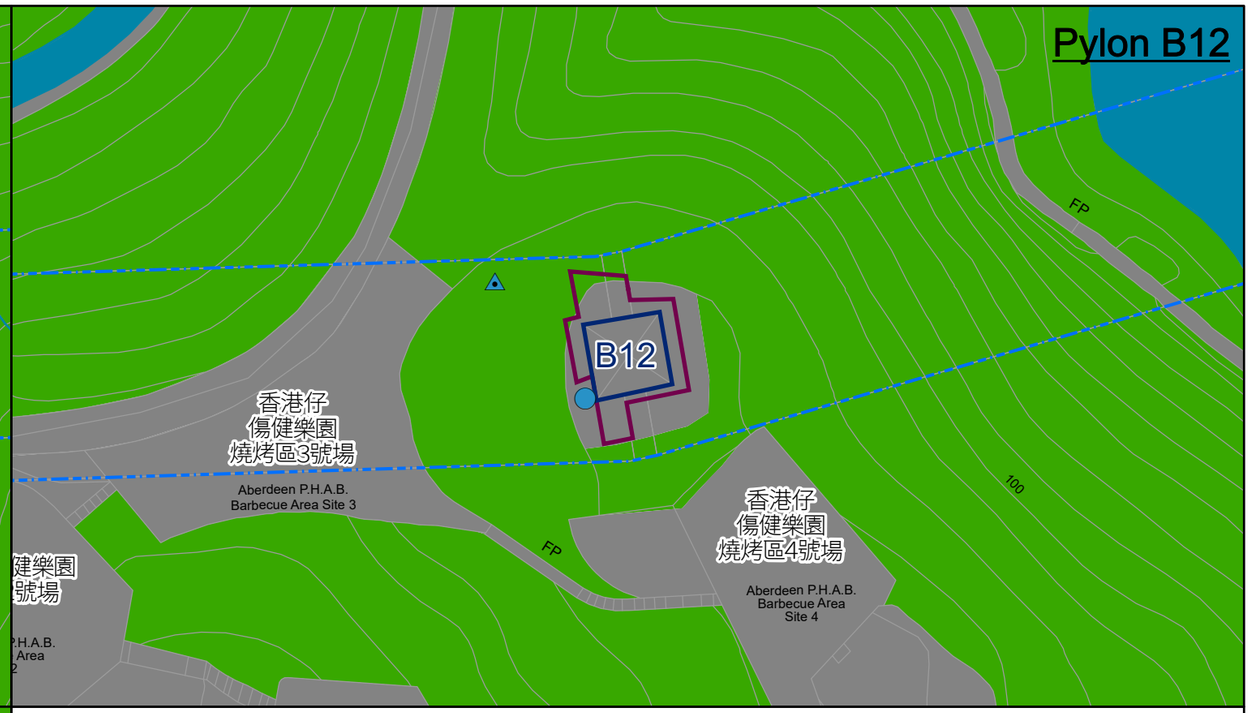
Zoom-in Habitat Map and Species of Conservation Importance Recorded
(Pylon B8 - B10)

File: T:\GIS\CONTRACT\0643361\mxd\Habitat\Species\0643361_Species_of_Conservation_Importance_B-Line_3.mxd
Date: 30/10/2023

Environmental Resources Management

ERM





Species of Conservation Importance

Flora (Group)

- *Diospyros vaccinioides* (Group)

Flora

- *Aquilaria sinensis*
- *Artabotrys hongkongensis*
- *Artocarpus hypargyreus*
- *Camellia crapnelliana*
- *Camellia granthamiana*
- *Camellia hongkongensis*
- *Canthium dicoccum*
- *Castanopsis concinna*
- *Diospyros vaccinioides*
- *Endospermum chinense*
- *Enkianthus quinqueflorus*
- *Eulophia graminea*
- *Geodorum densiflorum*
- *Gleditsia australis*
- *Lagerstroemia fordii*
- *Lysimachia alpestris*
- *Pavetta hongkongensis*
- *Rhododendron simsii*
- *Rhodoleia championii*

Mammal

- Masked Palm Civet
- Chinese Horseshoe Bat
- Himalayan Leaf-nosed Bat
- East Asian Porcupine
- Pallas's Squirrel
- Short-nosed Fruit Bat

Avifauna

- Asian Barred Owlet
- Black Kite
- Chinese Hwamei
- Collared Scops Owl
- Crested Serpent Eagle
- Eastern Cattle Egret
- Greater Coucal
- Rufous-Capped Babbler
- White-bellied Sea Eagle
- Yellow-crested Cockatoo

Herpetofauna

- Common Rat Snake
- Hong Kong Cascade Frog
- Short-legged Toad
- Tokay Gecko
- Chinese Water Dragon
- Lesser Spiny Frog

Butterfly

- Common Archduke
- Swallowtail
- Common Rose
- Falcate Oak Blue
- Orange Punch
- Spotted Sawtooth
- Tailless Line Blue

Odonates

- Emerald Cascader

Freshwater Invertebrates

- *Nanhaipotamon hongkongense*

Legend

B-Line | Pylon | Proposed Works Area

Habitat

Woodland | Shrubland/ Grassland | Watercourse/ Water Body | Developed/ Disturbed Area

N

Metres

0 15 30

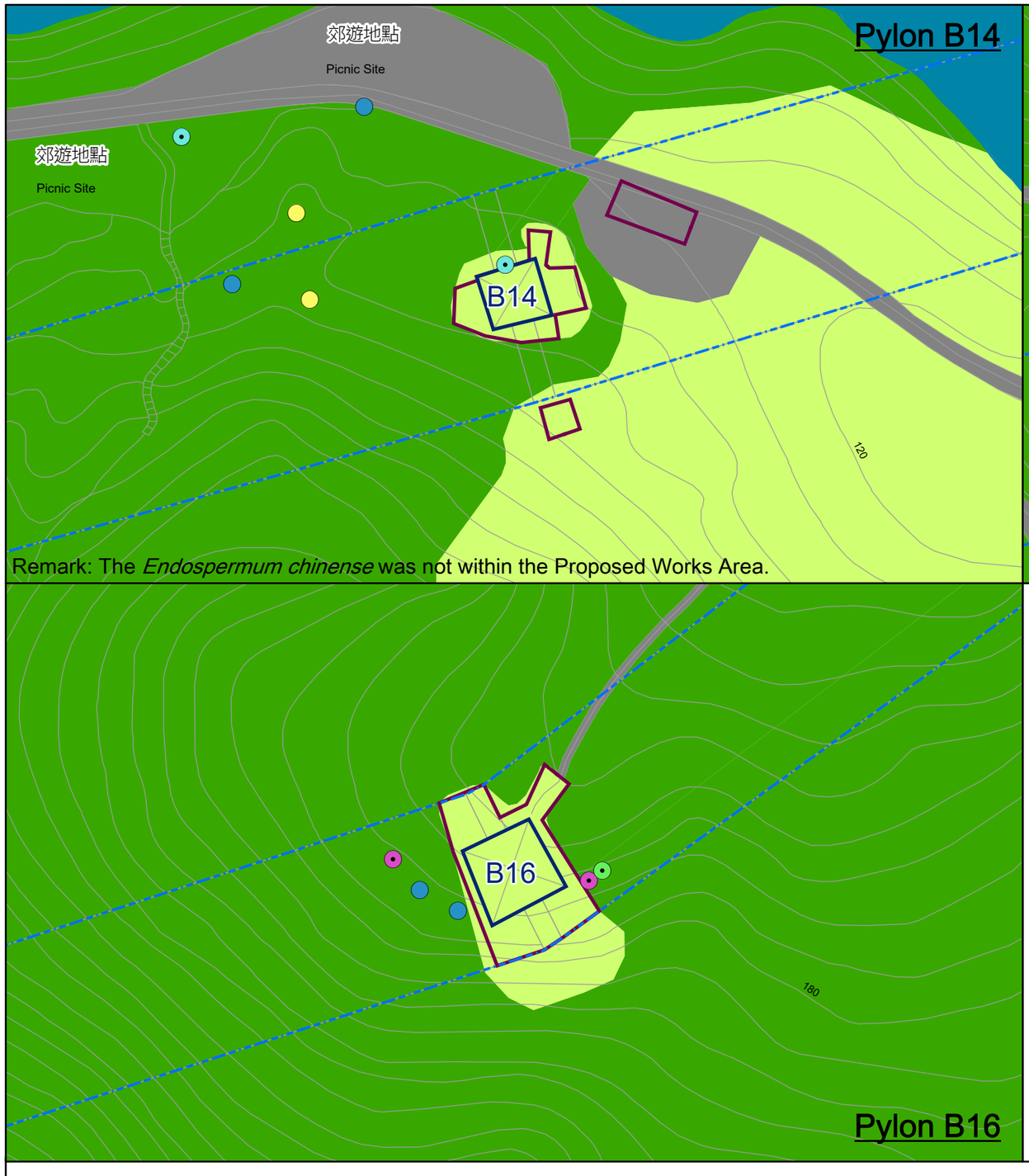
Figure C2.4

Zoom-in Habitat Map and Species of Conservation Importance Recorded
(Pylon B11 - B13)

File: T:\GIS\CONTRACT\0643361\mxd\Habitat\Species\0643361_Species_of_Conservation_Importance_B-Line_4.mxd
Date: 30/10/2023

Environmental Resources Management

ERM



Species of Conservation Importance

Flora (Group)

Diospyros vaccinioides (Group)

Flora

- *Aquilaria sinensis*
- *Artabotrys hongkongensis*
- *Artocarpus hypargyreus*
- *Camellia crapnelliana*
- *Camellia granthamiana*
- *Camellia hongkongensis*
- *Canthium dicoccum*
- *Castanopsis concinna*
- *Diospyros vaccinioides*
- *Endospermum chinense*
- *Enkianthus quinqueflorus*
- *Eulophia graminea*
- *Geodorum densiflorum*
- *Gleditsia australis*
- *Lagerstroemia fordii*
- *Lysimachia alpestris*
- *Pavetta hongkongensis*
- *Rhododendron simsii*
- *Rhodoleia championii*

Mammal

- Masked Palm Civet
- Chinese Horseshoe Bat
- Himalayan Leaf-nosed Bat
- East Asian Porcupine
- Pallas's Squirrel
- Short-nosed Fruit Bat

Avifauna

- Asian Barred Owlet
- Black Kite
- Chinese Hwamei
- Collared Scops Owl
- Crested Serpent Eagle
- Eastern Cattle Egret
- Greater Coucal
- Rufous-Capped Babbler
- White-bellied Sea Eagle
- Yellow-crested Cockatoo

Herpetofauna

- Common Rat Snake
- Hong Kong Cascade Frog
- Short-legged Toad
- Tokay Gecko
- Chinese Water Dragon
- Lesser Spiny Frog

Butterfly

- Common Archduke
- Swallowtail
- Common Rose
- Falcate Oak Blue
- Orange Punch
- Spotted Sawtooth
- Tailless Line Blue

Odonates

- Emerald Cascader

Freshwater Invertebrates

- *Nanhaipotamon hongkongense*

Legend

B-Line | Pylon | Proposed Works Area

Habitat

Woodland | Shrubland/ Grassland | Watercourse/ Water Body | Developed/ Disturbed Area

N

Metres

0 15 30

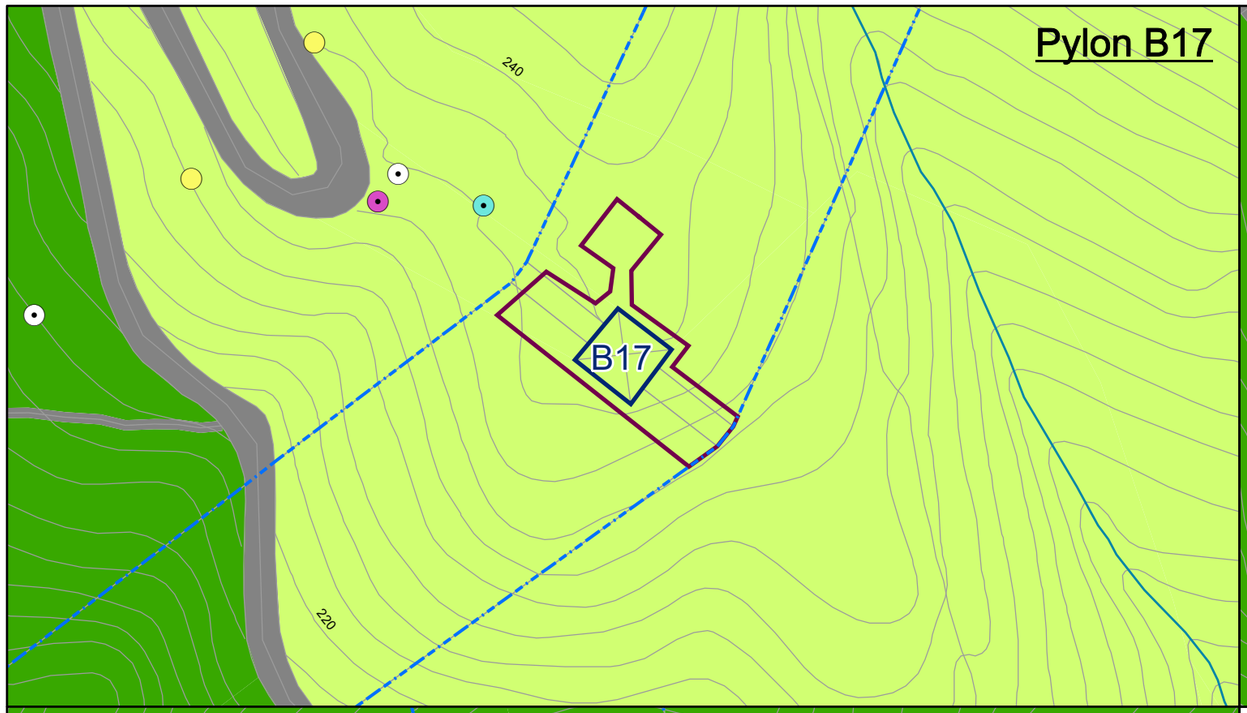
Figure C2.5

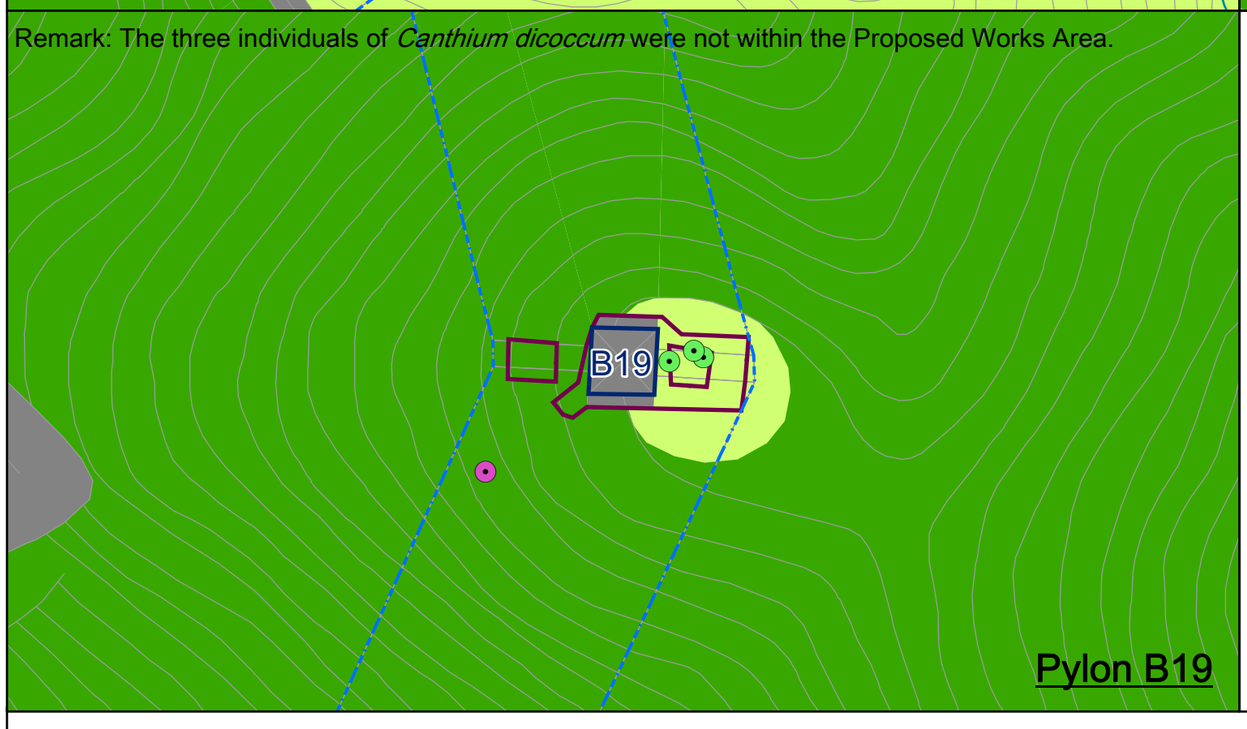
Zoom-in Habitat Map and Species of Conservation Importance Recorded
(Pylon B14 - B16)

File: T:\GIS\CONTRACT\0643361\mxd\Habitat\Species\0643361_Species_of_Conservation_Importance_B-Line_5.mxd
Date: 27/11/2023

Environmental Resources Management

ERM





Species of Conservation Importance

Flora (Group)

Diospyros vaccinioides (Group)

Flora

Aquilaria sinensis
Artabotrys hongkongensis
Artocarpus hypargyreus
Camellia crapnelliana
Camellia granthamiana
Camellia hongkongensis
Canthium dicoccum
Castanopsis concinna
Diospyros vaccinioides
Endospermum chinense
Enkianthus quinqueflorus
Eulophia graminea
Geodorum densiflorum
Gleditsia australis
Lagerstroemia fordii
Lysimachia alpestris
Pavetta hongkongensis
Rhododendron simsii
Rhodoleia championii

Mammal

Masked Palm Civet
Chinese Horseshoe Bat
Himalayan Leaf-nosed Bat
East Asian Porcupine
Pallas's Squirrel
Short-nosed Fruit Bat

Avifauna

Asian Barred Owlet
Black Kite
Chinese Hwamei
Collared Scops Owl
Crested Serpent Eagle
Eastern Cattle Egret
Greater Coucal
Rufous-Capped Babbler
White-bellied Sea Eagle
Yellow-crested Cockatoo

Herpetofauna

Common Rat Snake
Hong Kong Cascade Frog
Short-legged Toad
Tokay Gecko
Chinese Water Dragon
Lesser Spiny Frog

Butterfly

Common Archduke
Swallowtail
Common Rose
Falcate Oak Blue
Orange Punch
Spotted Sawtooth
Tailless Line Blue

Odonates

Emerald Cascader

Freshwater Invertebrates

Nanhaipotamon hongkongense

Legend

B-Line
Pylon
Proposed Works Area

Habitat

Woodland
Shrubland/ Grassland
Watercourse/ Water Body
Developed/ Disturbed Area

N
Metres
0 15 30

Figure C2.6

Zoom-in Habitat Map and Species of Conservation Importance Recorded
(Pylon B17 - B19)

File: T:\GIS\CONTRACT\0643361\mxd\Habitat\Species\0643361_Species_of_Conservation_Importance_B-Line_6.mxd
Date: 30/10/2023

Environmental Resources Management

ERM

Species of Conservation Importance

Flora (Group)

Diospyros vaccinioides (Group)

Flora

Aquilaria sinensis
Artabotrys hongkongensis
Artocarpus hypargyreus
Camellia crapnelliana
Camellia granthamiana
Camellia hongkongensis
Canthium dicoccum
Castanopsis concinna
Diospyros vaccinioides
Endospermum chinense
Enkianthus quinqueflorus
Eulophia graminea
Geodorum densiflorum
Gleditsia australis
Lagerstroemia fordii
Lysimachia alpestris
Pavetta hongkongensis
Rhododendron simsii
Rhodoleia championii

Mammal

Masked Palm Civet
Chinese Horseshoe Bat
Himalayan Leaf-nosed Bat
East Asian Porcupine
Pallas's Squirrel
Short-nosed Fruit Bat

Avifauna

Asian Barred Owlet
Black Kite
Chinese Hwamei
Collared Scops Owl
Crested Serpent Eagle
Eastern Cattle Egret
Greater Coucal
Rufous-Capped Babbler
White-bellied Sea Eagle
Yellow-crested Cockatoo

Herpetofauna

Common Rat Snake
Hong Kong Cascade Frog
Short-legged Toad
Tokay Gecko
Chinese Water Dragon
Lesser Spiny Frog

Butterfly

Common Archduke
Swallowtail
Common Rose
Falcate Oak Blue
Orange Punch
Spotted Sawtooth
Tailless Line Blue

Odonates

Emerald Cascader

Freshwater Invertebrates

Nanhaipotamon hongkongense

Legend

B-Line
Pylon
Proposed Works Area

Habitat

Woodland
Shrubland/ Grassland
Watercourse/ Water Body
Developed/ Disturbed Area

N
Metres
0 15 30

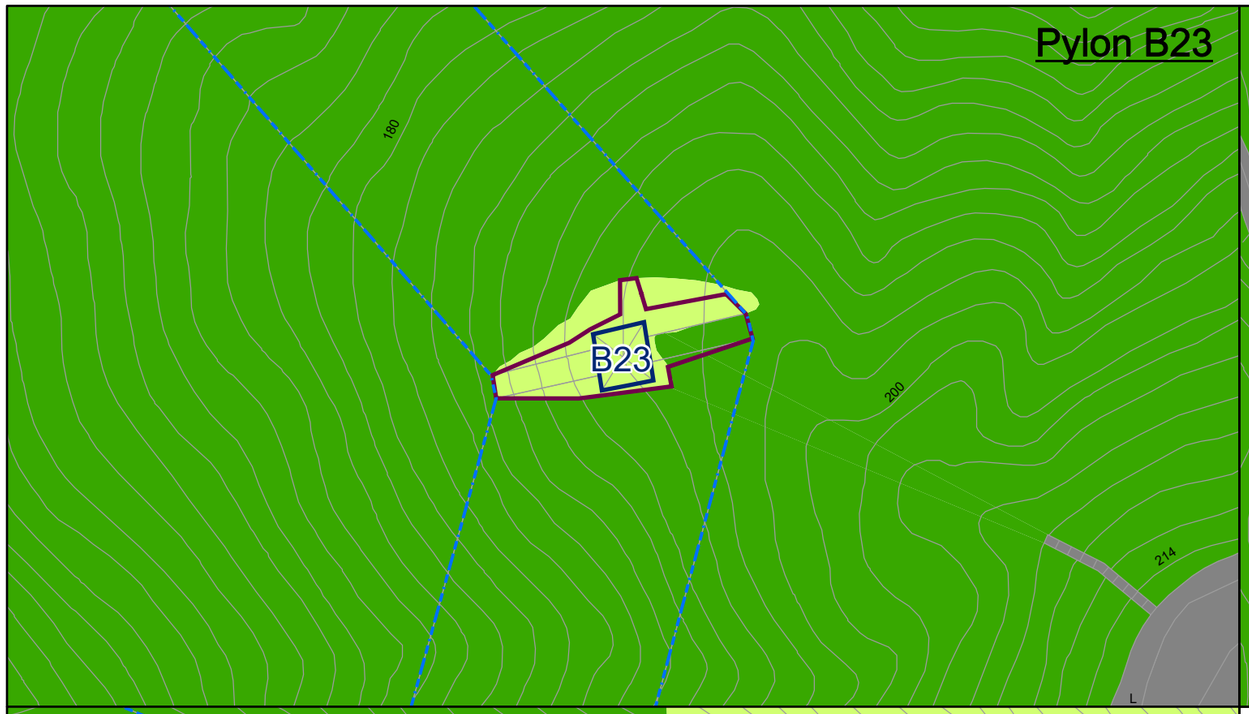
Figure C2.7

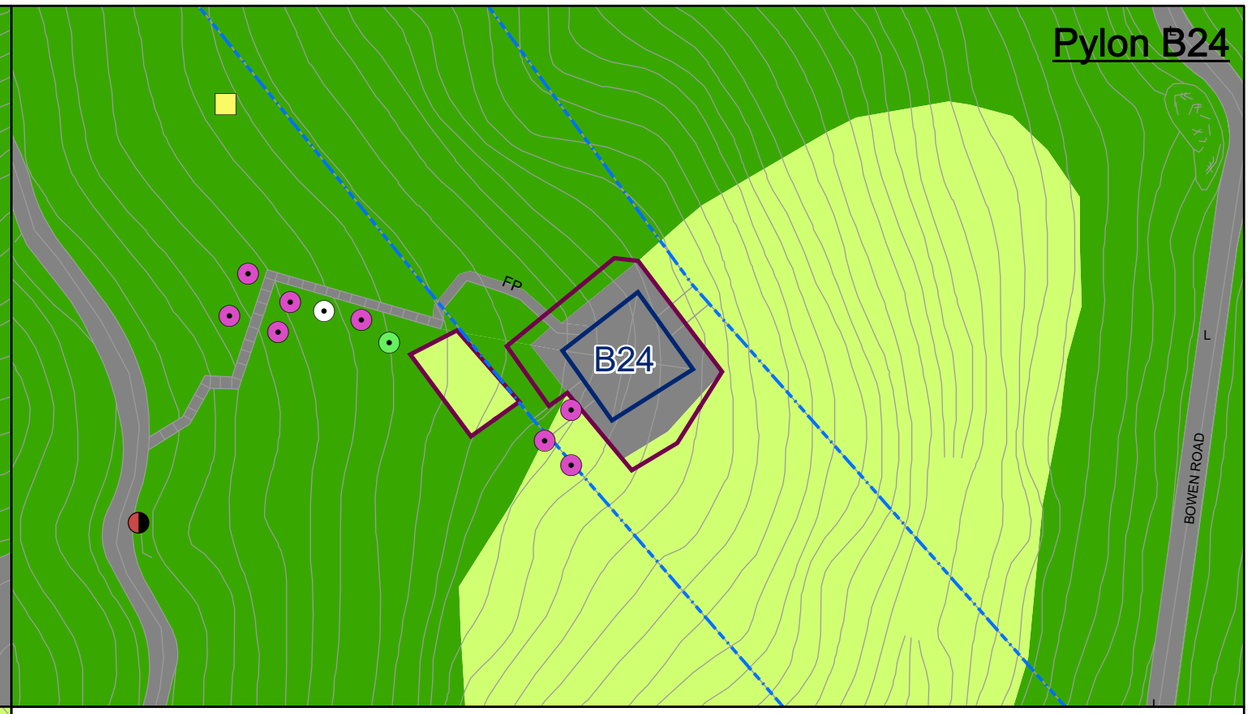
Zoom-in Habitat Map and Species of Conservation Importance Recorded
(Pylon B20 - B22)

File: T:\GIS\CONTRACT\0643361\mxd\Habitat\Species\0643361_Species_of_Conservation_Importance_B-Line_7.mxd
Date: 30/10/2023

Environmental Resources Management

ERM





Species of Conservation Importance

Flora (Group)

Diospyros vaccinioides (Group)

Flora

Aquilaria sinensis
Artabotrys hongkongensis
Artocarpus hypargyreus
Camellia crapnelliana
Camellia granthamiana
Camellia hongkongensis
Canthium dicoccum
Castanopsis concinna
Diospyros vaccinioides
Endospermum chinense
Enkianthus quinqueflorus
Eulophia graminea
Geodorum densiflorum
Gleditsia australis
Lagerstroemia fordii
Lysimachia alpestris
Pavetta hongkongensis
Rhododendron simsii
Rhodoleia championii

Mammal

Masked Palm Civet
Chinese Horseshoe Bat
Himalayan Leaf-nosed Bat
East Asian Porcupine
Pallas's Squirrel
Short-nosed Fruit Bat

Avifauna

Asian Barred Owlet
Black Kite
Chinese Hwamei
Collared Scops Owl
Crested Serpent Eagle
Eastern Cattle Egret
Greater Coucal
Rufous-Capped Babbler
White-bellied Sea Eagle
Yellow-crested Cockatoo

Herpetofauna

Common Rat Snake
Hong Kong Cascade Frog
Short-legged Toad
Tokay Gecko
Chinese Water Dragon
Lesser Spiny Frog

Butterfly

Common Archduke
Swallowtail
Common Rose
Falcate Oak Blue
Orange Punch
Spotted Sawtooth
Tailless Line Blue

Odonates

Emerald Cascader

Freshwater Invertebrates

Nanhaipotamon hongkongense

Legend

B-Line
Pylon
Proposed Works Area

Habitat

Woodland
Shrubland/ Grassland
Watercourse/ Water Body
Developed/ Disturbed Area

N
Metres
0 15 30

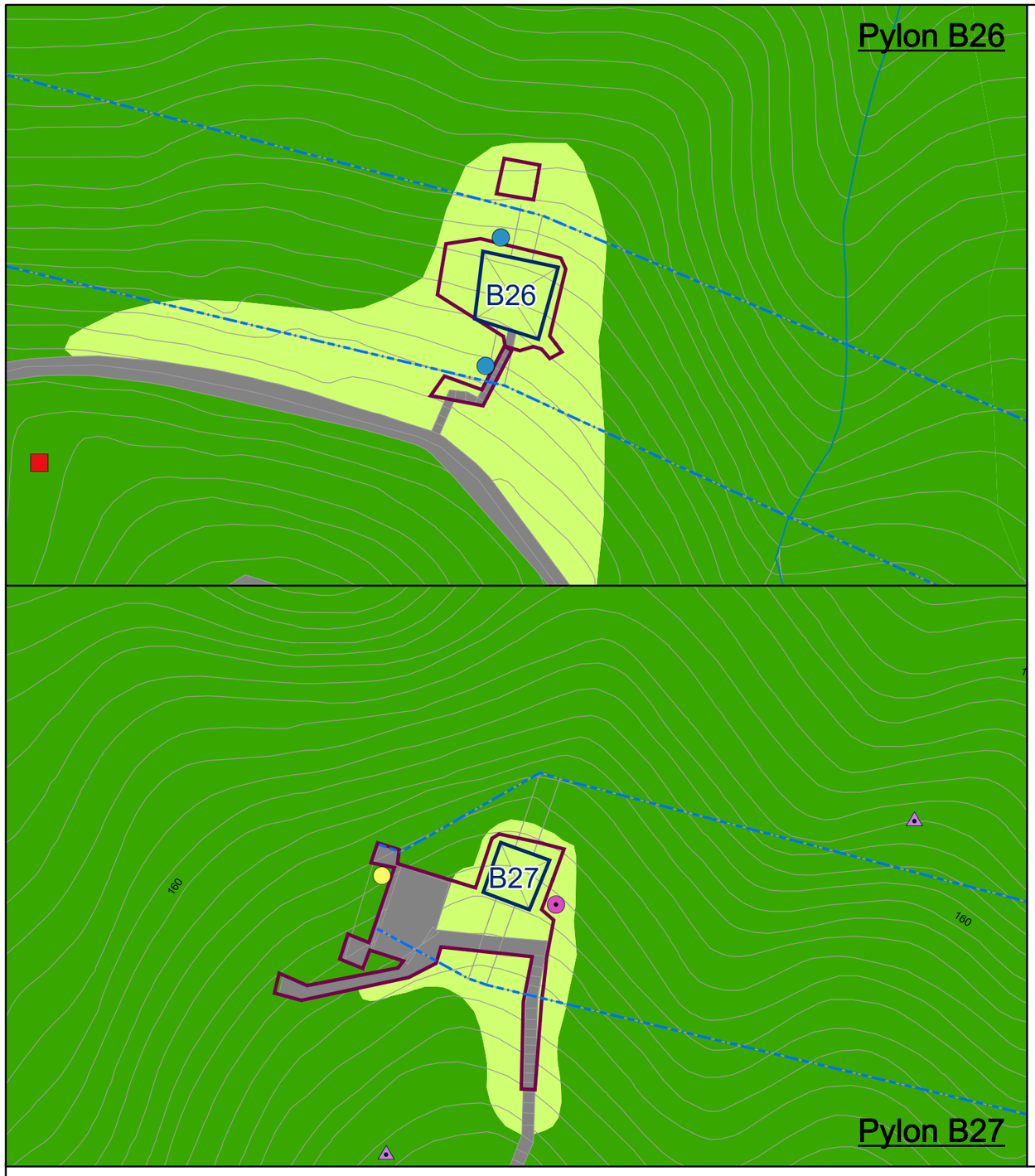
Figure C2.8

Zoom-in Habitat Map and Species of Conservation Importance Recorded
(Pylon B23 - B25)

File: T:\GIS\CONTRACT\0643361\mxd\Habitat\Species\0643361_Species_of_Conservation_Importance_B-Line_8.mxd
Date: 30/10/2023

Environmental Resources Management

ERM



Species of Conservation Importance

Flora (Group)

Diospyros vaccinioides (Group)

Flora

Aquilaria sinensis
Artabotrys hongkongensis
Artocarpus hypargyreus
Camellia crapnelliana
Camellia granthamiana
Camellia hongkongensis
Canthium dicoccum
Castanopsis concinna
Diospyros vaccinioides
Endospermum chinense
Enkianthus quinqueflorus
Eulophia graminea
Geodorum densiflorum
Gleditsia australis
Lagerstroemia fordii
Lysimachia alpestris
Pavetta hongkongensis
Rhododendron simsii
Rhodoleia championii

Mammal

Masked Palm Civet
Chinese Horseshoe Bat
Himalayan Leaf-nosed Bat
East Asian Porcupine
Pallas's Squirrel
Short-nosed Fruit Bat

Avifauna

Asian Barred Owlet
Black Kite
Chinese Hwamei
Collared Scops Owl
Crested Serpent Eagle
Eastern Cattle Egret
Greater Coucal
Rufous-Capped Babbler
White-bellied Sea Eagle
Yellow-crested Cockatoo

Herpetofauna

Common Rat Snake
Hong Kong Cascade Frog
Short-legged Toad
Tokay Gecko
Chinese Water Dragon
Lesser Spiny Frog

Butterfly

Common Archduke
Swallowtail
Common Rose
Falcate Oak Blue
Orange Punch
Spotted Sawtooth
Tailless Line Blue

Odonates

Emerald Cascader

Freshwater Invertebrates

Nanhaipotamon hongkongense

Legend

B-Line
Pylon
Proposed Works Area

Habitat

Woodland
Shrubland/ Grassland
Watercourse/ Water Body
Developed/ Disturbed Area

N
Metres
0 15 30

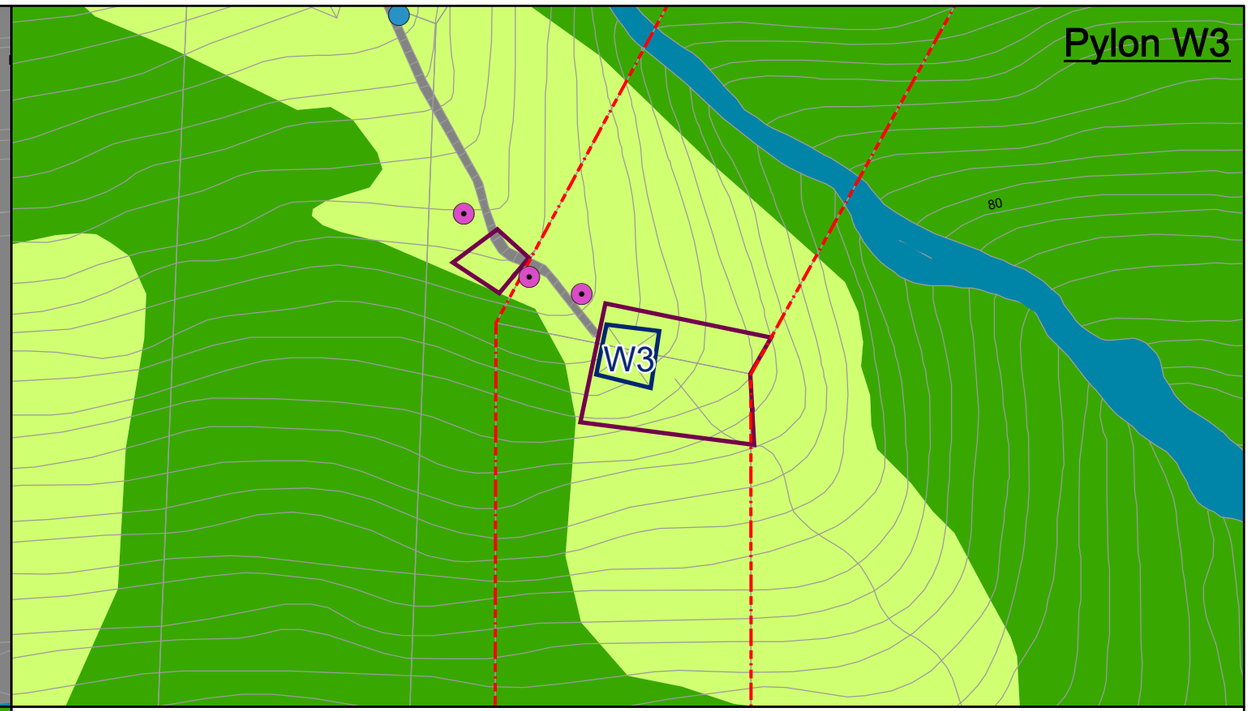
Figure C2.9

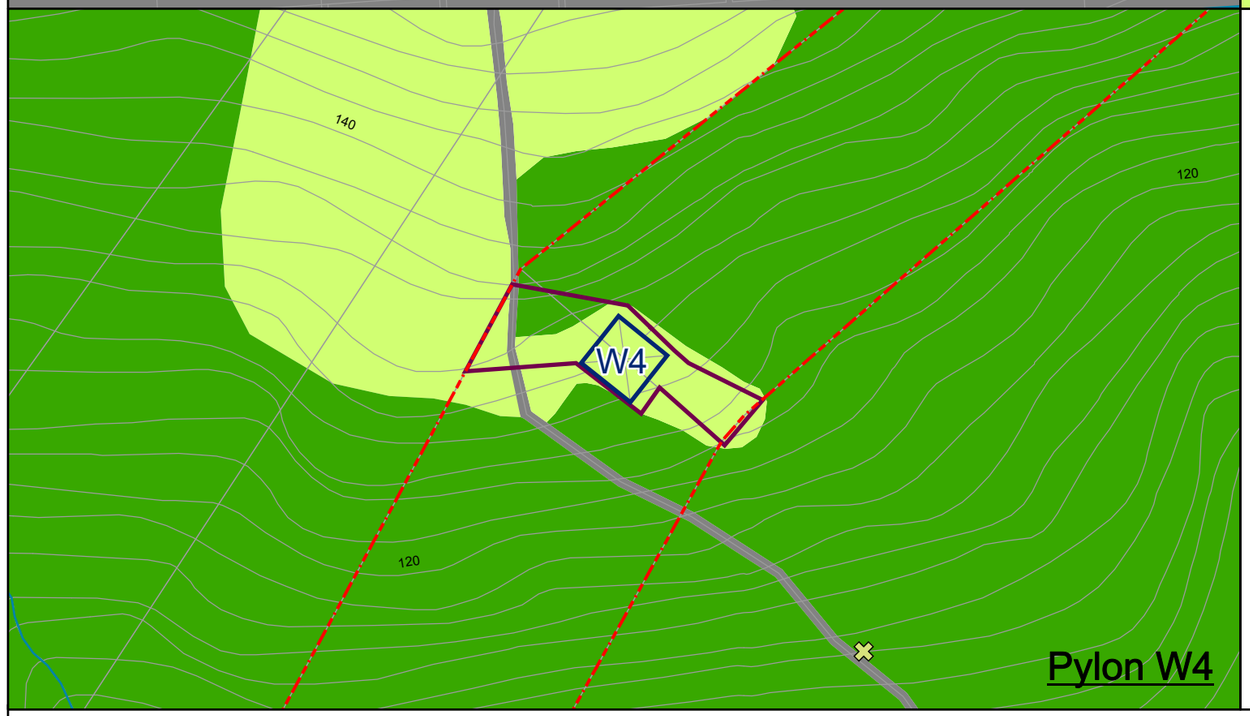
Zoom-in Habitat Map and Species of Conservation Importance Recorded
(Pylon B26 - B27)

File: T:\GIS\CONTRACT\0643361\mxd\Habitat\Species\0643361_Species_of_Conservation_Importance_B-Line_9.mxd
Date: 30/10/2023

Environmental Resources Management

ERM





Species of Conservation Importance

Flora (Group)

- *Diospyros vaccinioides* (Group)

Flora

- *Aquilaria sinensis*
- *Artabotrys hongkongensis*
- *Artocarpus hypargyreus*
- *Camellia crapnelliana*
- *Camellia granthamiana*
- *Camellia hongkongensis*
- *Canthium dicoccum*
- *Castanopsis concinna*
- *Diospyros vaccinioides*
- *Endospermum chinense*
- *Enkianthus quinqueflorus*
- *Eulophia graminea*
- *Geodorum densiflorum*
- *Gleditsia australis*
- *Lagerstroemia fordii*
- *Lysimachia alpestris*
- *Pavetta hongkongensis*
- *Rhododendron simsii*
- *Rhodoleia championii*

Mammal

- Masked Palm Civet
- Chinese Horseshoe Bat
- Himalayan Leaf-nosed Bat
- East Asian Porcupine
- Pallas's Squirrel
- Short-nosed Fruit Bat

Avifauna

- Asian Barred Owlet
- Black Kite
- Chinese Hwamei
- Collared Scops Owl
- Crested Serpent Eagle
- Eastern Cattle Egret
- Greater Coucal
- Rufous-Capped Babbler
- White-bellied Sea Eagle
- Yellow-crested Cockatoo

Herpetofauna

- Common Rat Snake
- Hong Kong Cascade Frog
- Short-legged Toad
- Tokay Gecko
- Chinese Water Dragon
- Lesser Spiny Frog

Butterfly

- Common Archduke
- Swallowtail
- Common Rose
- Falcate Oak Blue
- Orange Punch
- Spotted Sawtooth
- Tailless Line Blue

Odonates

- Emerald Cascader

Freshwater Invertebrates

- *Nanhaipotamon hongkongense*

Legend

W-Line | Pylon | Proposed Works Area

Habitat

Woodland | Shrubland/ Grassland | Watercourse/ Water Body | Developed/ Disturbed Area

N

Metres

0 15 30

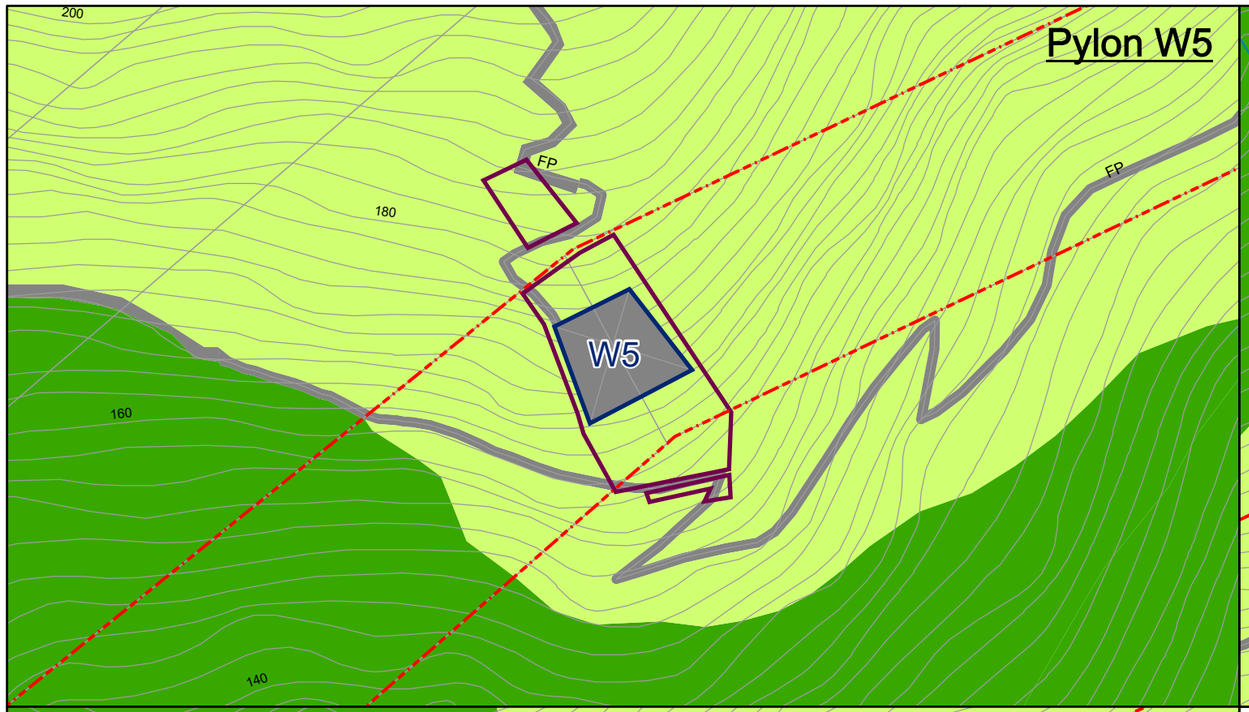
Figure C2.10

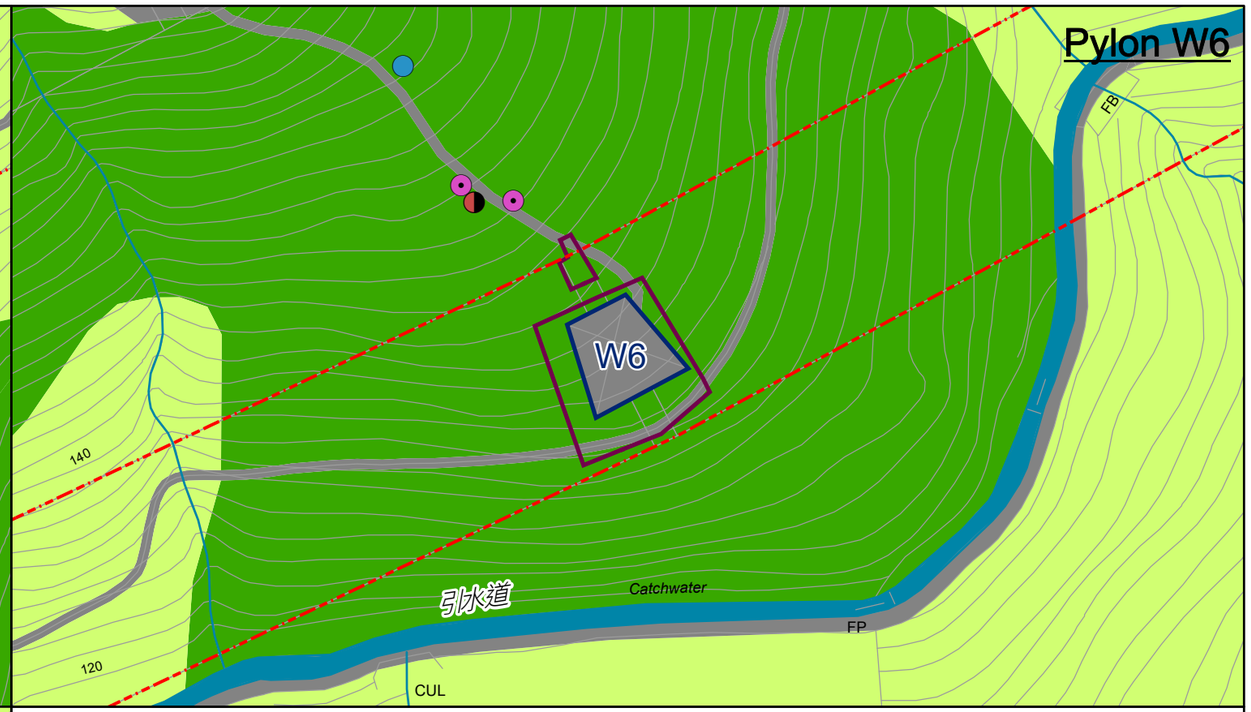
Zoom-in Habitat Map and Species of Conservation Importance Recorded
(Pylon W2 - W4)

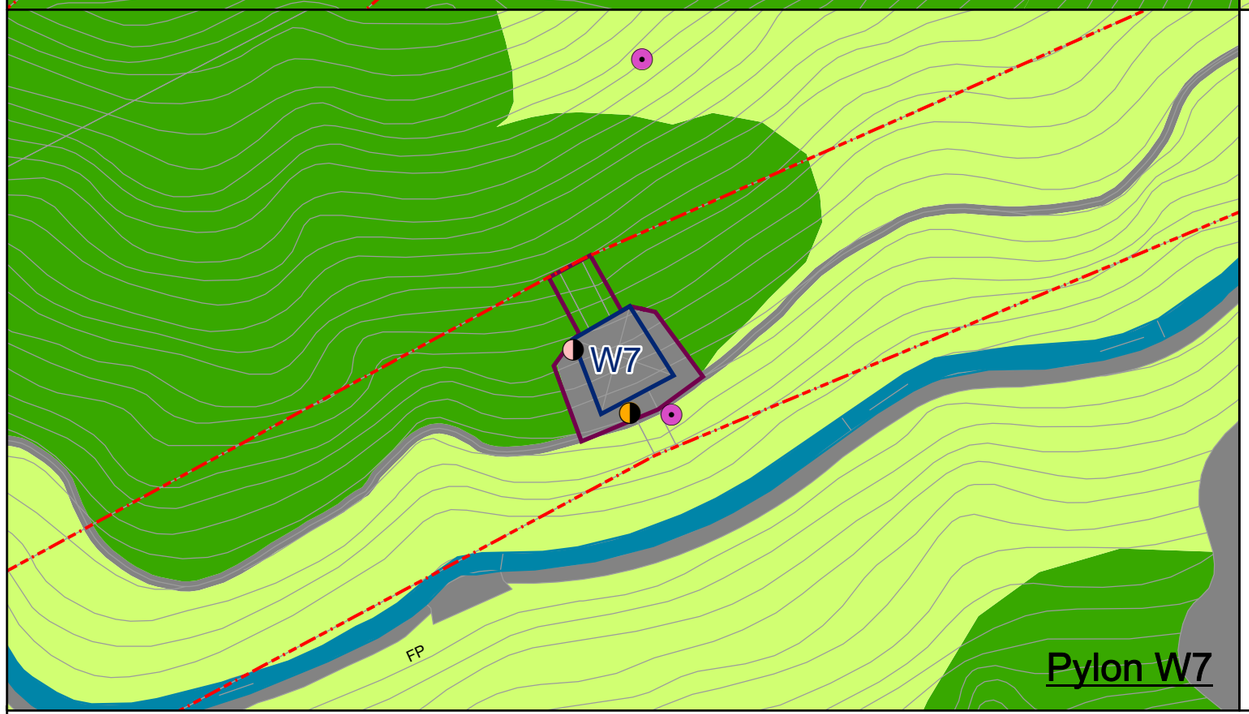
File: T:\GIS\CONTRACT\0643361\mxd\Habitat\Species\0643361_Species_of_Conservation_Importance_W-Line_1.mxd
Date: 30/10/2023

Environmental Resources Management

ERM







Species of Conservation Importance

Flora (Group)

- *Diospyros vaccinioides* (Group)

Flora

- *Aquilaria sinensis*
- *Artabotrys hongkongensis*
- *Artocarpus hypargyreus*
- *Camellia crapnelliana*
- *Camellia granthamiana*
- *Camellia hongkongensis*
- *Canthium dicoccum*
- *Castanopsis concinna*
- *Diospyros vaccinioides*
- *Endospermum chinense*
- *Enkianthus quinqueflorus*
- *Eulophia graminea*
- *Geodorum densiflorum*
- *Gleditsia australis*
- *Lagerstroemia fordii*
- *Lysimachia alpestris*
- *Pavetta hongkongensis*
- *Rhododendron simsii*
- *Rhodoleia championii*

Mammal

- Masked Palm Civet
- Chinese Horseshoe Bat
- Himalayan Leaf-nosed Bat
- East Asian Porcupine
- Pallas's Squirrel
- Short-nosed Fruit Bat

Avifauna

- Asian Barred Owlet
- Black Kite
- Chinese Hwamei
- Collared Scops Owl
- Crested Serpent Eagle
- Eastern Cattle Egret
- Greater Coucal
- Rufous-Capped Babbler
- White-bellied Sea Eagle
- Yellow-crested Cockatoo

Herpetofauna

- Common Rat Snake
- Hong Kong Cascade Frog
- Short-legged Toad
- Tokay Gecko
- Chinese Water Dragon
- Lesser Spiny Frog

Butterfly

- Common Archduke
- Swallowtail
- Common Rose
- Falcate Oak Blue
- Orange Punch
- Spotted Sawtooth
- Tailless Line Blue

Odonates

- Emerald Cascader

Freshwater Invertebrates

- *Nanhaipotamon hongkongense*

Legend

W-Line | Pylon | Proposed Works Area

Habitat

Woodland | Shrubland/ Grassland | Watercourse/ Water Body | Developed/ Disturbed Area

N

Metres

0 15 30

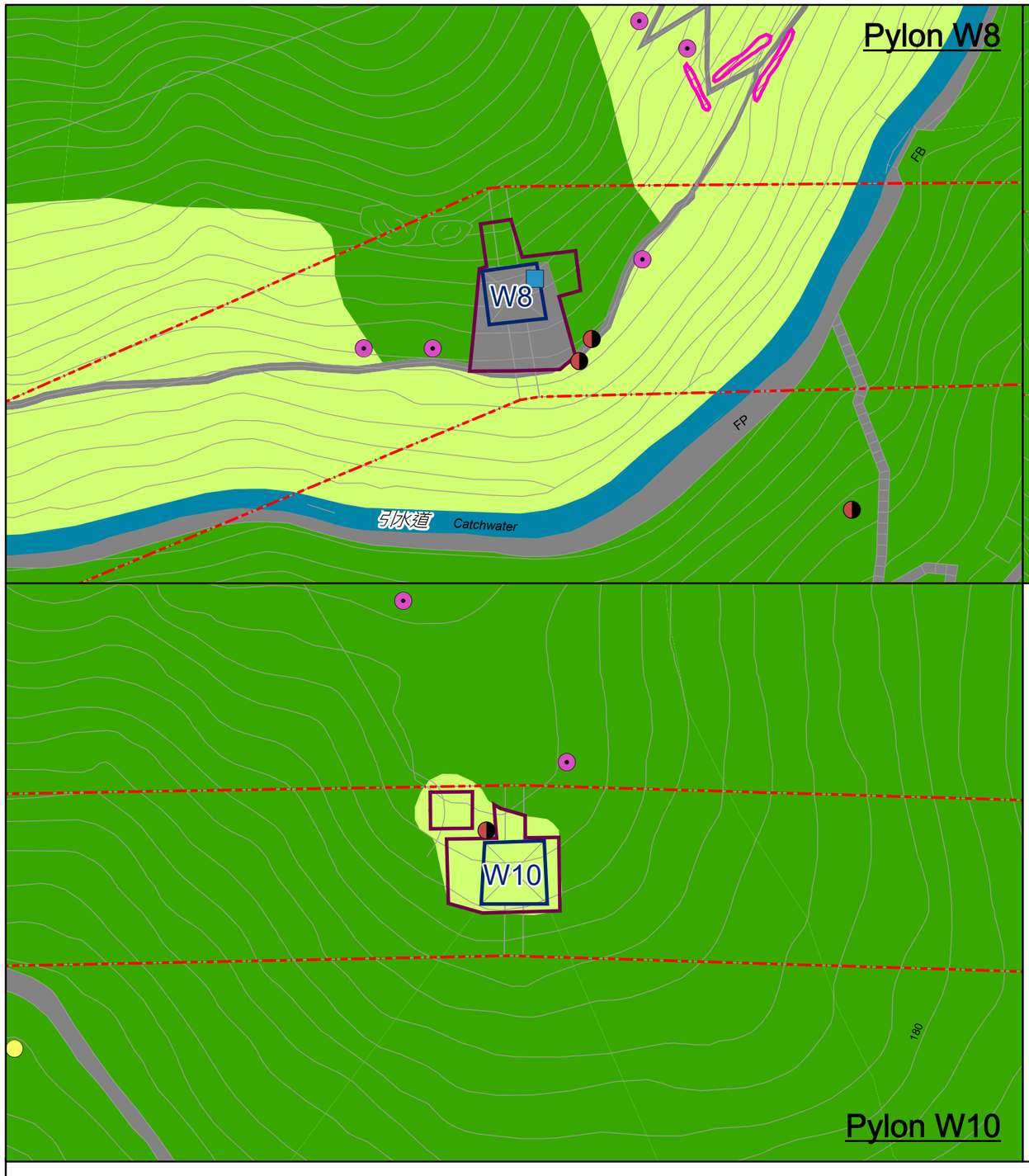
Figure C2.11

Zoom-in Habitat Map and Species of Conservation Importance Recorded (Pylon W5 - W7)

File: T:\GIS\CONTRACT\0643361\mxd\Habitat\Species\0643361_Species_of_Conservation_Importance_W-Line_2.mxd
Date: 30/10/2023

Environmental Resources Management

ERM



Species of Conservation Importance

Flora (Group)

Diospyros vaccinioides (Group)

Flora

Aquilaria sinensis
Artabotrys hongkongensis
Artocarpus hypargyreus
Camellia crapnelliana
Camellia granthamiana
Camellia hongkongensis
Canthium dicoccum
Castanopsis concinna
Diospyros vaccinioides
Endospermum chinense
Enkianthus quinqueflorus
Eulophia graminea
Geodorum densiflorum
Gleditsia australis
Lagerstroemia fordii
Lysimachia alpestris
Pavetta hongkongensis
Rhododendron simsii
Rhodoleia championii

Mammal

Masked Palm Civet
Chinese Horseshoe Bat
Himalayan Leaf-nosed Bat
East Asian Porcupine
Pallas's Squirrel
Short-nosed Fruit Bat

Avifauna

Asian Barred Owlet
Black Kite
Chinese Hwamei
Collared Scops Owl
Crested Serpent Eagle
Eastern Cattle Egret
Greater Coucal
Rufous-Capped Babbler
White-bellied Sea Eagle
Yellow-crested Cockatoo

Herpetofauna

Common Rat Snake
Hong Kong Cascade Frog
Short-legged Toad
Tokay Gecko
Chinese Water Dragon
Lesser Spiny Frog

Butterfly

Common Archduke
Swallowtail
Common Rose
Falcate Oak Blue
Orange Punch
Spotted Sawtooth
Tailless Line Blue

Odonates

Emerald Cascader

Freshwater Invertebrates

Nanhaipotamon hongkongense

Legend

W-Line
Pylon
Proposed Works Area

Habitat

Woodland
Shrubland/ Grassland
Watercourse/ Water Body
Developed/ Disturbed Area

N
Metres
0 15 30

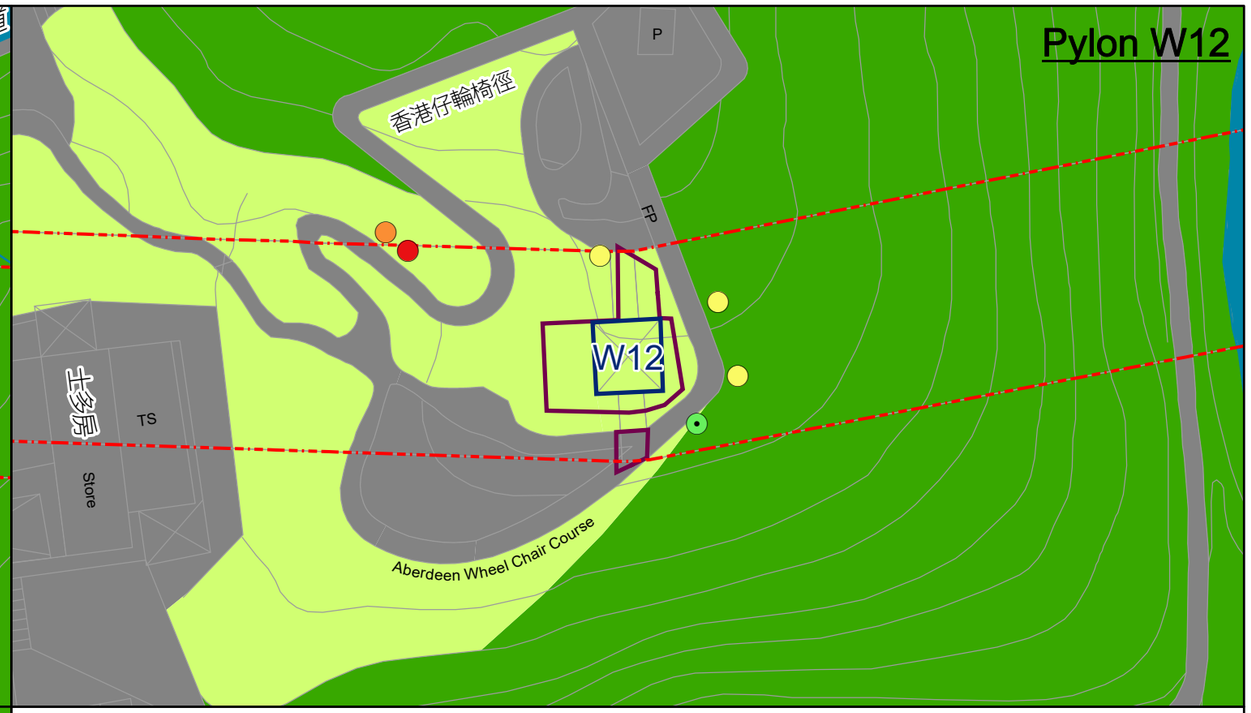
Figure C2.12

Zoom-in Habitat Map and Species of Conservation Importance Recorded
(Pylon W8 - W10)

File: T:\GIS\CONTRACT\0643361\mxd\Habitat\Species\0643361_Species_of_Conservation_Importance_W-Line_3.mxd
Date: 30/10/2023

Environmental Resources Management

ERM



Species of Conservation Importance

Flora (Group)

Diospyros vaccinioides (Group)

Flora

Aquilaria sinensis
Artabotrys hongkongensis
Artocarpus hypargyreus
Camellia crapnelliana
Camellia granthamiana
Camellia hongkongensis
Canthium dicoccum
Castanopsis concinna
Diospyros vaccinioides
Endospermum chinense
Enkianthus quinqueflorus
Eulophia graminea
Geodorum densiflorum
Gleditsia australis
Lagerstroemia fordii
Lysimachia alpestris
Pavetta hongkongensis
Rhododendron simsii
Rhodoleia championii

Mammal

Masked Palm Civet
Chinese Horseshoe Bat
Himalayan Leaf-nosed Bat
East Asian Porcupine
Pallas's Squirrel
Short-nosed Fruit Bat

Avifauna

Asian Barred Owlet
Black Kite
Chinese Hwamei
Collared Scops Owl
Crested Serpent Eagle
Eastern Cattle Egret
Greater Coucal
Rufous-Capped Babbler
White-bellied Sea Eagle
Yellow-crested Cockatoo

Herpetofauna

Common Rat Snake
Hong Kong Cascade Frog
Short-legged Toad
Tokay Gecko
Chinese Water Dragon
Lesser Spiny Frog

Butterfly

Common Archduke
Swallowtail
Common Rose
Falcate Oak Blue
Orange Punch
Spotted Sawtooth
Tailless Line Blue

Odonates

Emerald Cascader

Freshwater Invertebrates

Nanhaipotamon hongkongense

Legend

W-Line
Pylon
Proposed Works Area

Habitat

Woodland
Shrubland/ Grassland
Watercourse/ Water Body
Developed/ Disturbed Area

N
Metres
0 15 30

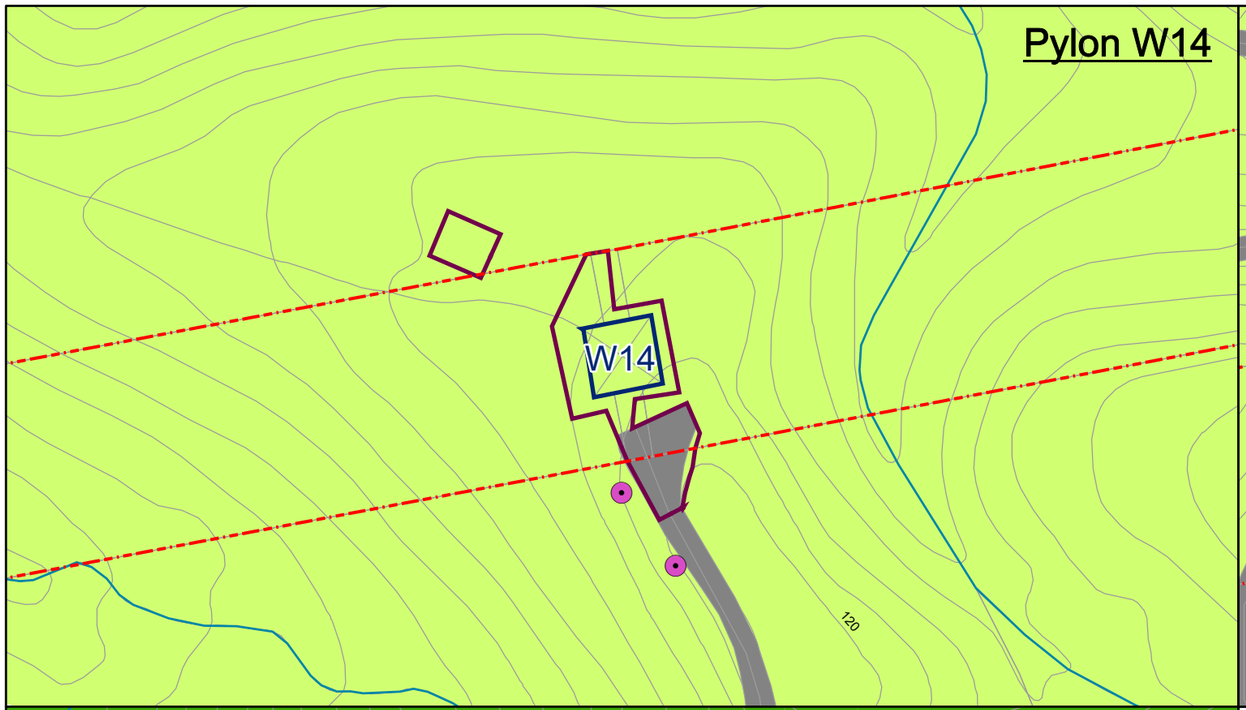
Figure C2.13

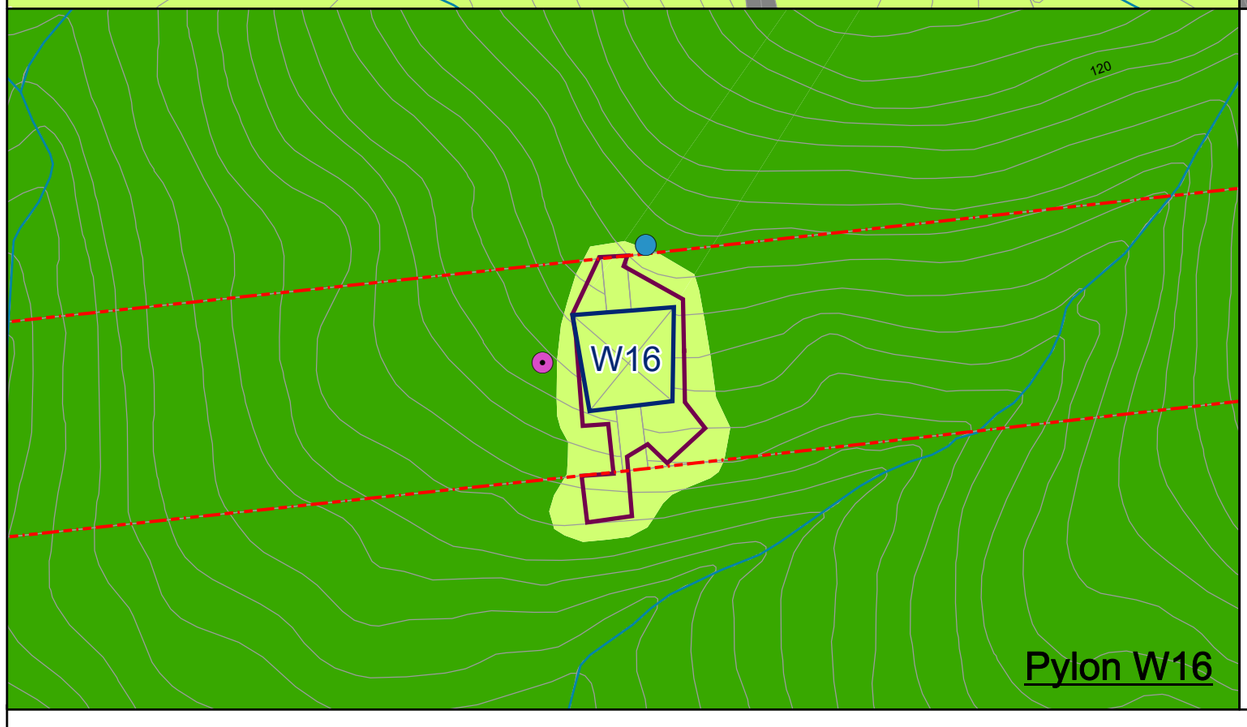
Zoom-in Habitat Map and Species of Conservation Importance Recorded
(Pylon W11 - W13)

File: T:\GIS\CONTRACT\0643361\mxd\Habitat\Species\0643361_Species_of_Conservation_Importance_W-Line_4.mxd
Date: 30/10/2023

Environmental Resources Management

ERM





Species of Conservation Importance

Flora (Group)

Diospyros vaccinioides (Group)

Flora

Aquilaria sinensis
Artabotrys hongkongensis
Artocarpus hypargyreus
Camellia crapnelliana
Camellia granthamiana
Camellia hongkongensis
Canthium dicoccum
Castanopsis concinna
Diospyros vaccinioides
Endospermum chinense
Enkianthus quinqueflorus
Eulophia graminea
Geodorum densiflorum
Gleditsia australis
Lagerstroemia fordii
Lysimachia alpestris
Pavetta hongkongensis
Rhododendron simsii
Rhodoleia championii

Mammal

Masked Palm Civet
Chinese Horseshoe Bat
Himalayan Leaf-nosed Bat
East Asian Porcupine
Pallas's Squirrel
Short-nosed Fruit Bat

Avifauna

Asian Barred Owlet
Black Kite
Chinese Hwamei
Collared Scops Owl
Crested Serpent Eagle
Eastern Cattle Egret
Greater Coucal
Rufous-Capped Babbler
White-bellied Sea Eagle
Yellow-crested Cockatoo

Herpetofauna

Common Rat Snake
Hong Kong Cascade Frog
Short-legged Toad
Tokay Gecko
Chinese Water Dragon
Lesser Spiny Frog

Butterfly

Common Archduke
Swallowtail
Common Rose
Falcate Oak Blue
Orange Punch
Spotted Sawtooth
Tailless Line Blue

Odonates

Emerald Cascader

Freshwater Invertebrates

Nanhaipotamon hongkongense

Legend

W-Line
Pylon
Proposed Works Area

Habitat

Woodland
Shrubland/ Grassland
Watercourse/ Water Body
Developed/ Disturbed Area

N
Metres
0 15 30

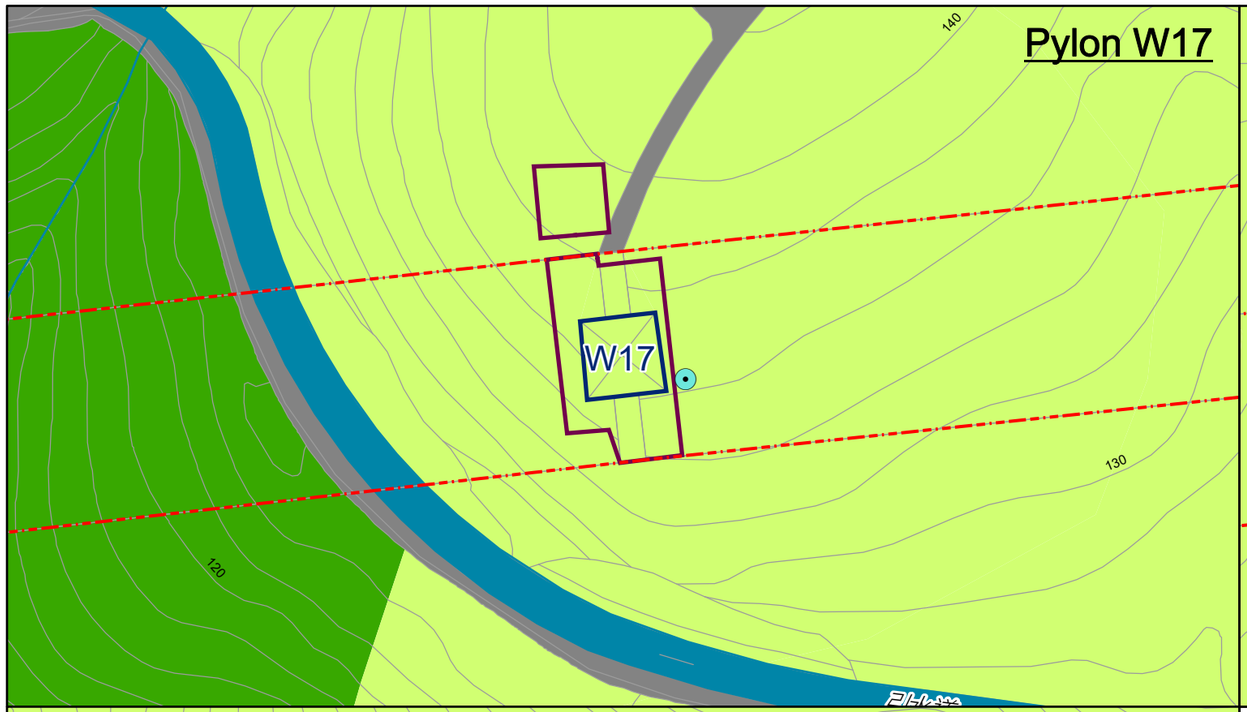
Figure C2.14

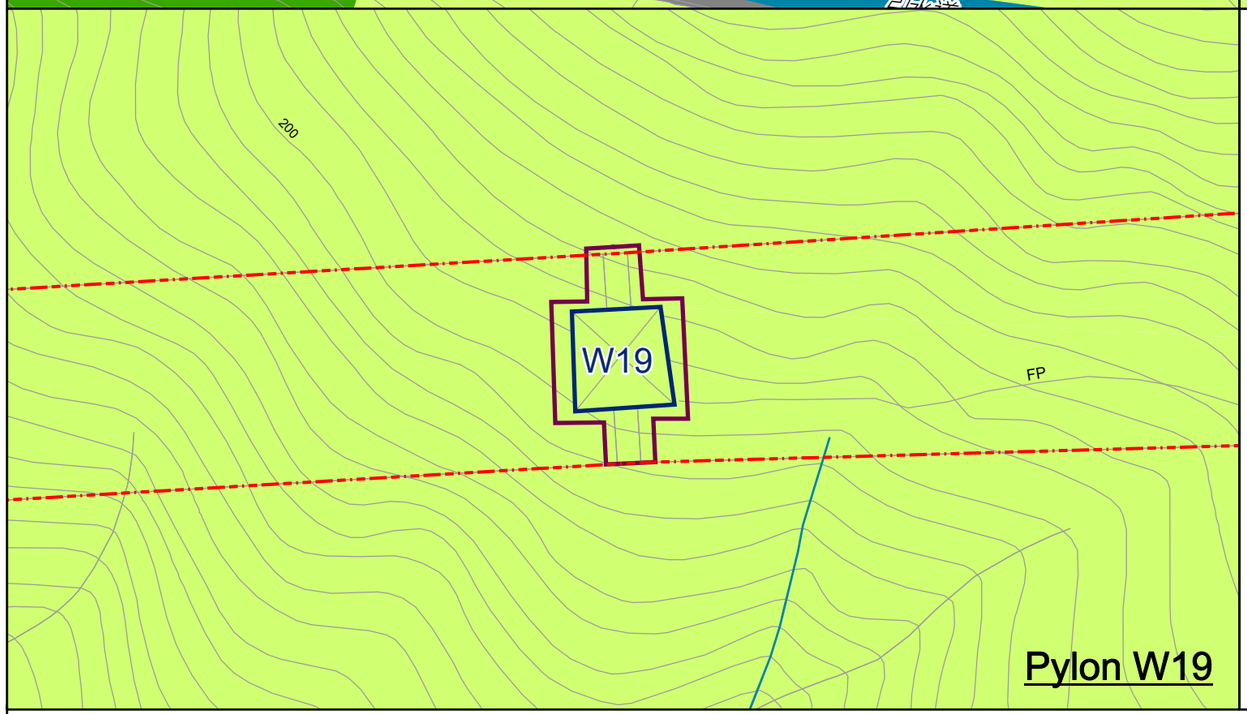
Zoom-in Habitat Map and Species of Conservation Importance Recorded
(Pylon W14 - W16)

File: T:\GIS\CONTRACT\0643361\mxd\Habitat\Species\0643361_Species_of_Conservation_Importance_W-Line_5.mxd
Date: 30/10/2023

Environmental Resources Management

ERM





Species of Conservation Importance

Flora (Group)

Diospyros vaccinioides (Group)

Flora

Aquilaria sinensis
Artabotrys hongkongensis
Artocarpus hypargyreus
Camellia crapnelliana
Camellia granthamiana
Camellia hongkongensis
Canthium dicoccum
Castanopsis concinna
Diospyros vaccinioides
Endospermum chinense
Enkianthus quinqueflorus
Eulophia graminea
Geodorum densiflorum
Gleditsia australis
Lagerstroemia fordii
Lysimachia alpestris
Pavetta hongkongensis
Rhododendron simsii
Rhodoleia championii

Mammal

Masked Palm Civet
Chinese Horseshoe Bat
Himalayan Leaf-nosed Bat
East Asian Porcupine
Pallas's Squirrel
Short-nosed Fruit Bat

Avifauna

Asian Barred Owlet
Black Kite
Chinese Hwamei
Collared Scops Owl
Crested Serpent Eagle
Eastern Cattle Egret
Greater Coucal
Rufous-Capped Babbler
White-bellied Sea Eagle
Yellow-crested Cockatoo

Herpetofauna

Common Rat Snake
Hong Kong Cascade Frog
Short-legged Toad
Tokay Gecko
Chinese Water Dragon
Lesser Spiny Frog

Butterfly

Common Archduke
Swallowtail
Common Rose
Falcate Oak Blue
Orange Punch
Spotted Sawtooth
Tailless Line Blue

Odonates

Emerald Cascader

Freshwater Invertebrates

Nanhaipotamon hongkongense

Legend

W-Line
Pylon
Proposed Works Area

Habitat

Woodland
Shrubland/ Grassland
Watercourse/ Water Body
Developed/ Disturbed Area

N
Metres
0 15 30

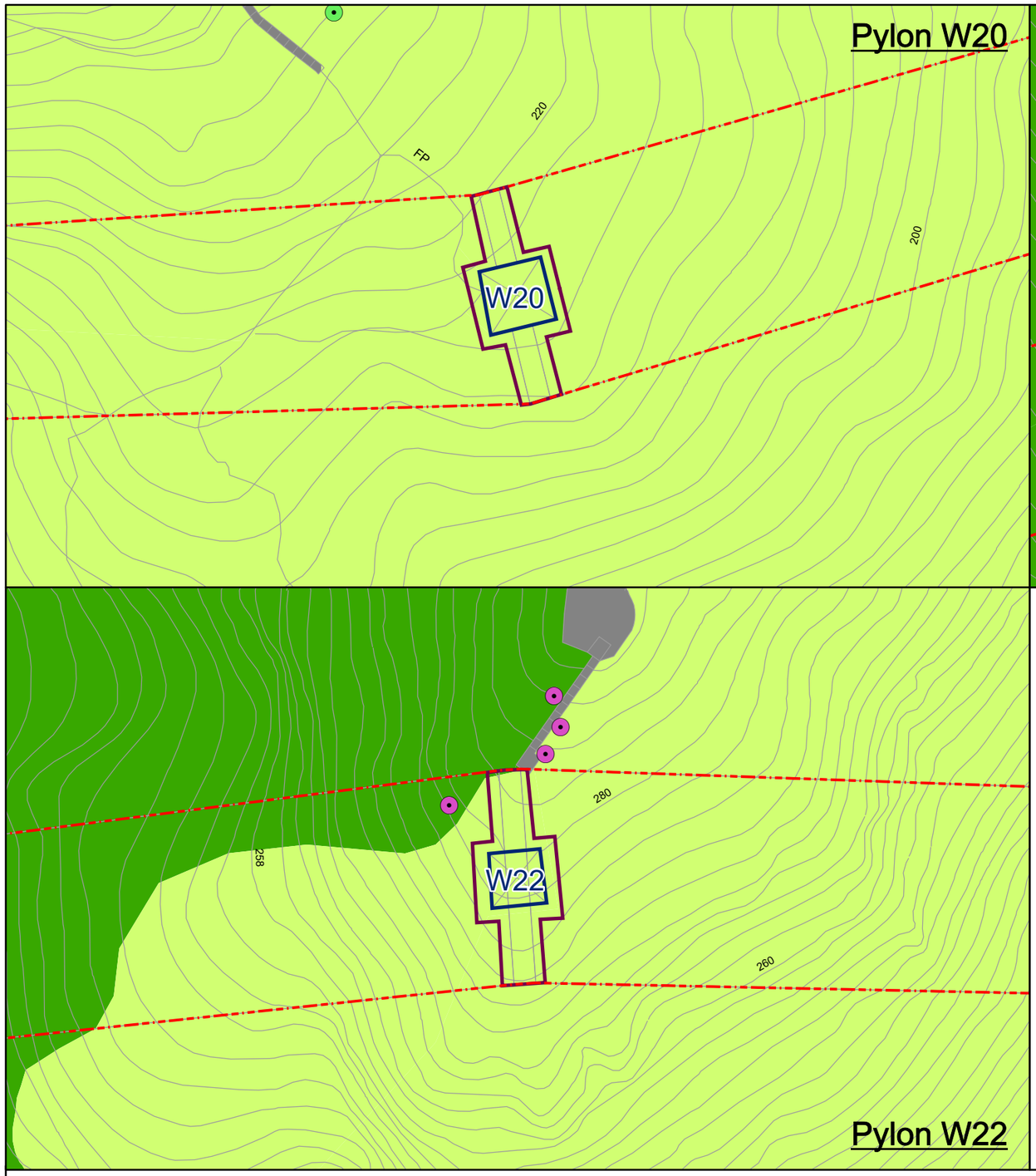
Figure C2.15

Zoom-in Habitat Map and Species of Conservation Importance Recorded
(Pylon W17 - W19)

File: T:\GIS\CONTRACT\0643361\mxd\Habitat\Species\0643361_Species_of_Conservation_Importance_W-Line_6.mxd
Date: 30/10/2023

Environmental Resources Management

ERM



Species of Conservation Importance

Flora (Group)

Diospyros vaccinioides (Group)

Flora

- *Aquilaria sinensis*
- *Artabotrys hongkongensis*
- *Artocarpus hypargyreus*
- *Camellia crapnelliana*
- *Camellia granthamiana*
- *Camellia hongkongensis*
- *Canthium dicoccum*
- *Castanopsis concinna*
- *Diospyros vaccinioides*
- *Endospermum chinense*
- *Enkianthus quinqueflorus*
- *Eulophia graminea*
- *Geodorum densiflorum*
- *Gleditsia australis*
- *Lagerstroemia fordii*
- *Lysimachia alpestris*
- *Pavetta hongkongensis*
- *Rhododendron simsii*
- *Rhodoleia championii*

Mammal

- Masked Palm Civet
- Chinese Horseshoe Bat
- Himalayan Leaf-nosed Bat
- East Asian Porcupine
- Pallas's Squirrel
- Short-nosed Fruit Bat

Avifauna

- Asian Barred Owlet
- Black Kite
- Chinese Hwamei
- Collared Scops Owl
- Crested Serpent Eagle
- Eastern Cattle Egret
- Greater Coucal
- Rufous-Capped Babbler
- White-bellied Sea Eagle
- Yellow-crested Cockatoo

Herpetofauna

- Common Rat Snake
- Hong Kong Cascade Frog
- Short-legged Toad
- Tokay Gecko
- Chinese Water Dragon
- Lesser Spiny Frog

Butterfly

- Common Archduke
- Swallowtail
- Common Rose
- Falcate Oak Blue
- Orange Punch
- Spotted Sawtooth
- Tailless Line Blue

Odonates

- Emerald Cascader

Freshwater Invertebrates

- *Nanhaipotamon hongkongense*

Legend

W-Line | Pylon | Proposed Works Area

Habitat

Woodland | Shrubland/ Grassland | Watercourse/ Water Body | Developed/ Disturbed Area

N

Metres 0 15 30

Figure C2.16

Zoom-in Habitat Map and Species of Conservation Importance Recorded
(Pylon W20 - W22)

File: T:\GIS\CONTRACT\0643361\mxd\Habitat\Species\0643361_Species_of_Conservation_Importance_W-Line_7.mxd
Date: 30/10/2023

Environmental Resources Management

ERM

Species of Conservation Importance

Flora (Group)

Diospyros vaccinioides (Group)

Flora

Aquilaria sinensis
Artabotrys hongkongensis
Artocarpus hypargyreus
Camellia crapnelliana
Camellia granthamiana
Camellia hongkongensis
Canthium dicoccum
Castanopsis concinna
Diospyros vaccinioides
Endospermum chinense
Enkianthus quinqueflorus
Eulophia graminea
Geodorum densiflorum
Gleditsia australis
Lagerstroemia fordii
Lysimachia alpestris
Pavetta hongkongensis
Rhododendron simsii
Rhodoleia championii

Mammal

Masked Palm Civet
Chinese Horseshoe Bat
Himalayan Leaf-nosed Bat
East Asian Porcupine
Pallas's Squirrel
Short-nosed Fruit Bat

Avifauna

Asian Barred Owlet
Black Kite
Chinese Hwamei
Collared Scops Owl
Crested Serpent Eagle
Eastern Cattle Egret
Greater Coucal
Rufous-Capped Babbler
White-bellied Sea Eagle
Yellow-crested Cockatoo

Herpetofauna

Common Rat Snake
Hong Kong Cascade Frog
Short-legged Toad
Tokay Gecko
Chinese Water Dragon
Lesser Spiny Frog

Butterfly

Common Archduke
Swallowtail
Common Rose
Falcate Oak Blue
Orange Punch
Spotted Sawtooth
Tailless Line Blue

Odonates

Emerald Cascader

Freshwater Invertebrates

Nanhaipotamon hongkongense

Legend

W-Line | Pylon | Proposed Works Area

Habitat

Woodland | Shrubland/ Grassland | Watercourse/ Water Body | Developed/ Disturbed Area

N

Metres

0 15 30

Figure C2.17

Zoom-in Habitat Map and Species of Conservation Importance Recorded
(Pylon W23 - W24)

File: T:\GIS\CONTRACT\0643361\mxd\Habitat\Species\0643361_Species_of_Conservation_Importance_W-Line_8.mxd
Date: 30/10/2023

Environmental Resources Management

ERM

Species of Conservation Importance

Flora (Group)

Diospyros vaccinioides (Group)

Flora

Aquilaria sinensis
Artabotrys hongkongensis
Artocarpus hypargyreus
Camellia crapnelliana
Camellia granthamiana
Camellia hongkongensis
Canthium dicoccum
Castanopsis concinna
Diospyros vaccinioides
Endospermum chinense
Enkianthus quinqueflorus
Eulophia graminea
Geodorum densiflorum
Gleditsia australis
Lagerstroemia fordii
Lysimachia alpestris
Pavetta hongkongensis
Rhododendron simsii
Rhodoleia championii

Mammal

Masked Palm Civet
Chinese Horseshoe Bat
Himalayan Leaf-nosed Bat
East Asian Porcupine
Pallas's Squirrel
Short-nosed Fruit Bat

Avifauna

Asian Barred Owlet
Black Kite
Chinese Hwamei
Collared Scops Owl
Crested Serpent Eagle
Eastern Cattle Egret
Greater Coucal
Rufous-Capped Babbler
White-bellied Sea Eagle
Yellow-crested Cockatoo

Herpetofauna

Common Rat Snake
Hong Kong Cascade Frog
Short-legged Toad
Tokay Gecko
Chinese Water Dragon
Lesser Spiny Frog

Butterfly

Common Archduke
Swallowtail
Common Rose
Falcate Oak Blue
Orange Punch
Spotted Sawtooth
Tailless Line Blue

Odonates

Emerald Cascader

Freshwater Invertebrates

Nanhaipotamon hongkongense

Legend

W-Line
Pylon
Proposed Works Area

Habitat

Woodland
Shrubland/ Grassland
Watercourse/ Water Body
Developed/ Disturbed Area

N
Metres
0 15 30

Figure C2.18

Zoom-in Habitat Map and Species of Conservation Importance Recorded (Pylon W25 - W26)

File: T:\GIS\CONTRACT\0643361\mxd\Habitat\Species\0643361_Species_of_Conservation_Importance_W-Line_9.mxd
Date: 30/10/2023

Environmental Resources Management

ERM

Woodland

Woodland

Shrubland/Grassland

Shrubland/Grassland

Annex C1a

DATE: 27/6/2022

Habitat Photos

Environmental Resources Management

ERM

Watercourse/Water Body - Stream

Watercourse/Water Body – Catchwater Drain

Watercourse/Water Body - Reservoir

Developed/Disturbed Area

Annex C1a

DATE: 27/6/2022

Habitat Photos

Environmental Resources Management

ERM

Aquilaria sinensis

Artabotrys hongkongensis

Artocarpus hypargyreus

Camellia crapnelliana

Camellia granthamiana

Camellia hongkongensis

Canthium dicoccum

Castanopsis concinna

Diospyros vaccinoides

Endospremum chinense

Enkianthus quinqueflorus

Eulophia graminea

Geodorum densiflorum

Gleditsia australis

Lagerstroemia fordii

Lysimachia alpestris

Pavetta hongkongensis

Rhododendron simsii

Rhodoleia championii

Annex C1b

Photographic Records of Species of Conservation Importance

DATE: 1/3/2022

Environmental Resources Management

ERM

East Asian Porcupine

Masked Palm Civet (Scat)

Black Kite

White-bellied Sea Eagle

Eastern Cattle Egret

Greater Coucal

Yellow-crested Cockatoo

Chinese Water Dragon

Annex C1b

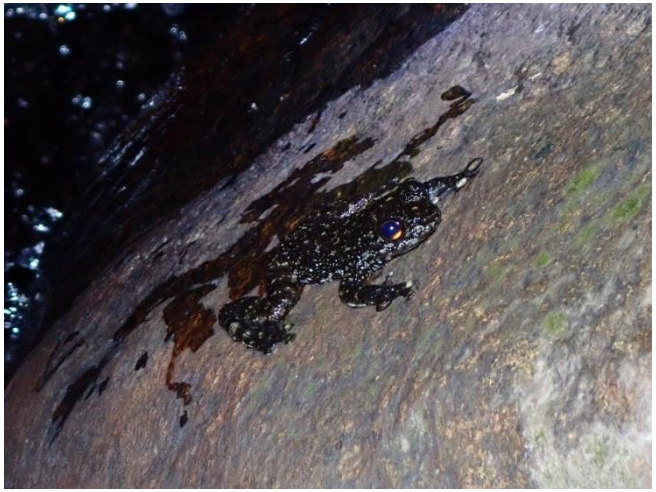
Photographic Records of Species of Conservation Importance

DATE: 1/3/2022

Environmental Resources Management

ERM

Short-legged Toad



Hong Kong Cascade Frog

Lesser Spiny Frog

Falcate Oak Blue

Orange Punch

Emerald Cascader

Nanhaipotamon hongkongense

Soft protective net

The soft protective net with warning sign in sharp colour will be used to cover the species that may be potentially affected by the dismantle works. The net with warning sign aims to alert workers that the presence of the species.

Temporary protective fencing (Bamboo/steel + Soft protective net)

Temporary protective fencing is made use of soft protective net with Bamboo/steel surrounded in order to provide a more robust structure for protection purpose. When area is available, it will be used for the shrubs/tree at the **edge** of proposed work area .

Temporary Metal Cage

When area is available, temporary metal cage will be built around the identified plant with the aim to avoid damage during the dismantling works.

APPENDIX D TREE SURVEY PLANS AND PHOTOS

CONTENTS

D1. INTRODUCTION

This ***Appendix D*** provides detailed information regarding the tree survey findings and proposed tree treatment.

D2. POTENTIAL IMPACTS ON TREES

The proposed alignments of B-line and W-line within the country parks runs from Tin Wan Praya Road to Bowen Road and Deep Water Bay Road. According to the tree survey result, trees to be potentially affected by the construction works concentrate at pylons nos. B4, B7, B12, B13, B14, B15, B16, B18, B19, B20, B21, B22, B26, B27, W4, W7, W8, W9, W11, W12, W13, W16, W21, W23, W24 and W25 (see tree locations, site photos and detailed tree assessment schedule in ***Figures D2.1 – D2.51***). Trees including species *Acacia confusa*, *Acronychia pedunculata*, *Aporusa dioica*, *Cinnamomum parthenoxylon*, *Elaeocarpus sylvestris*, *Garcinia oblongifolia*, *Litsea cubeba*, *Lophostemon confertus*, *Macaranga tanarius* var. *tomentosa*, *Machilus chekiangensis*, *Melicope pteleifolia*, *Photinia raupingensis*, *Pinus massoniana*, *Polyspora axillaris*, *Schefflera heptaphylla*, *Schima superba* and *Sterculia lanceolata,* were found in the very close vicinity of the works areas at these 26 pylons. Although tree removal will be minimised for the Project, without proper protection measures, construction activities with unwitting or negligent actions in these places and all along the cable alignment can affect the health, growth and stability of the trees. If the severity of the damages is too great, trees would become weakened and may die. Trees damaged during construction may take years to exhibit symptoms and eventually need to be treated or removed. In view of the localised areas of the trees to be affected and the commonness of the tree species, the impact of the Project on trees, with compensatory trees as a mitigation measure, is considered to be of **low** significance.

D3. MITIGATION MEASURES FOR TREES

Tree pruning and tree felling will be minimised as far as possible and undertaken only when it is in a direct and unavoidable conflict with any construction activities. Considering the space constraint, tree protection zone around the dripline cannot be established due to the close proximity to the construction works, temporary protective hessian armouring will be provided with ties for securing the hessian cover. Before commencement of the works in the country parks, a comprehensive tree pruning/ felling proposal detailing the pruning procedures and certified by a Certified Arborist (CA) will be submitted to AFCD for the consent from Country and Marine Parks Authority under the Country Parks Ordinance (Cap. 208). For tree compensation (if tree felling be unavoidable), a minimum ratio of 1:1 tree compensation with native species will be applied.

Tree felling will be inevitably involved for the Project, including 13 trees: B15-T012, B20-T008, B26-T001, B26-T012, W4-T005, W4-T016, W4-T019, W7-T007, W8-T009, W8-T011, W11-T009, W16-T003 and W16-T005. Compensation tree planting is proposed within the existing pylon area after decommission has been completed. On the other hand, tree protection zone around an area corresponding to the dripline will be established wherever feasible to minimise potential damages to trees. However, it should be noted tree protection zone around the dripline would not be feasible for majority of the works area given the limited space for proposed works. Temporary protective hessian armouring will be provided with ties for securing the hessian cover.

Tree pruning will be undertaken only when it is in direct conflict with any construction activities, and will be supervised by experience tree specialist on site. The scale of pruning would be kept at minimal. Based on the latest site conditions, 33 individuals of trees (i.e. B4-T006, B7-T001, B7-T002, B7-T003, B12-T010, B13-T002, B13-T004, B14-T001, B16-T008, B18-T002, B19-T006, B21-T006, B21-T009, B22-T003, B22-T005, B22-T007, B26-T002, B27-T008, W8-T007, W9-T002, W11-T002, W11-T007, W11-T012, W11-T013, W12-T007, W13-T005, W23-T004, W24-T006, W24-T011, W24-T012 and W25-T004) need to be pruned.

Before commencement of the works in the country parks, a detailed tree felling and compensatory proposal, and a tree pruning proposal detailing the pruning procedures and certified by a CA will be submitted to relevant authority for approval and to AFCD for obtaining the consent from Country and Marine Parks Authority. **Table D3.1** below summarises the actions to be taken for the adjacent trees at each pylon.

With the implementation of the above tree protection and mitigation measures, the potential impact of the Project on trees would be of **low significance**.

Table D3.1: Proposed Treatments to Trees Immediately Adjacent to Proposed Construction Works at Pylons

Pylon No.	Tree No.	Tree Species	Conservation Status [1]	Action to be Taken [2]
B3	B3-T002	*Polyspora axillaris*	-	Retain
	B3-T003	*Polyspora axillaris*	-	Retain
	B3-T004	*Polyspora axillaris*	-	Retain
	B3-T005	*Cyclobalanopsis myrsinifolia*	-	Retain
	B3-T006	*Aporosa dioica*	-	Retain
	B3-T007	*Polyspora axillaris*	-	Retain
B4	B4-T001	*Garcinia oblongifolia*	-	Retain
	B4-T002	*Machilus chekiangensis*	-	Retain
	B4-T003	*Machilus chekiangensis*	-	Retain
	B4-T005	*Machilus chekiangensis*	-	Retain
	B4-T006	*Macaranga tanarius* var. *tomentosa*	-	Retain, pruning is required
	B4-T007	*Pinus massoniana*	-	Retain
B6	B6-T001	*Schefflera heptaphylla*	-	Retain
	B6-T002	*Syzygium levinei*	-	Retain
	B6-T003	*Schefflera heptaphylla*	-	Retain
	B6-T004	*Schefflera heptaphylla*	-	Retain
	B6-T005	*Schefflera heptaphylla*	-	Retain
	B6-T006	*Pinus massoniana*	-	Retain
	B6-T007	*Machilus chekiangensis*	-	Retain
	B6-T008	*Pinus massoniana*		Retain
B7	B7-T001	*Schefflera heptaphylla*	-	Retain, pruning is required
	B7-T002	*Sterculia lanceolata*	-	Retain, pruning is required
	B7-T003	*Sterculia lanceolata*	-	Retain, pruning is required
	B7-T004	*Firmiana simplex*	-	RetainS
	B7-T005	*Firmiana simplex*	-	Retain

Pylon No.	Tree No.	Tree Species	Conservation Status [1]	Action to be Taken [2]
	B7-T006	*Polyspora axillaris*	-	Retain
	B7-T007	*Machilus chekiangensis*	-	Retain
B8	B8-T001	*Garcinia oblongifolia*	-	Retain
	B8-T002	*Pinus massoniana*	-	Retain
	B8-T003	*Pinus massoniana*	-	Retain
	B8-T004	*Pinus massoniana*	-	Retain
	B8-T005	*Garcinia oblongifolia*	-	Retain
	B8-T006	*Acronychia pedunculata*	-	Retain
	B8-T007	*Polyspora axillaris*	-	Retain
B9	B9-T001	*Acronychia pedunculata*	-	Retain
	B9-T002	*Lithocarpus glaber*	-	Retain
	B9-T003	*Acronychia pedunculata*	-	Retain
	B9-T004	*Lithocarpus glaber*	-	Retain
	B9-T005	*Schefflera heptaphylla*	-	Retain
	B9-T006	*Aporusa dioica*	-	Retain
	B9-T007	*Machilus chekiangensis*	-	Retain
	B9-T008	*Acronychia pedunculata*	-	Retain
	B9-T009	*Schefflera heptaphylla*	-	Retain
	B9-T010	*Acronychia pedunculata*	-	Retain
	B9-T011	*Lithocarpus glaber*	-	Retain
	B9-T012	*Machilus chekiangensis*	-	Retain
	B9-T013	*Cinnamomum parthenoxylon*	-	Retain
	B9-T014	*Litsea rotundifolia var. oblongifolia*	-	Retain
B10	B10-T001	*Machilus chekiangensis*	-	Retain
	B10-T002	*Diospyros morrisiana*	-	Retain
	B10-T003	*Acronychia pedunculata*	-	Retain
	B10-T004	*Pinus massoniana*	-	Retain
	B10-T005	*Machilus chekiangensis*	-	Retain
	B10-T006	*Machilus chekiangensis*	-	Retain
	B10-T007	*Machilus chekiangensis*	-	Retain
	B10-T008	*Machilus chekiangensis*	-	Retain
	B10-T009	*Machilus chekiangensis*	-	Retain
	B10-T010	*Machilus chekiangensis*	-	Retain
	B10-T011	*Machilus chekiangensis*		Retain

Pylon No.	Tree No.	Tree Species	Conservation Status [1]	Action to be Taken [2]
B11	B11-T001	*Schefflera heptaphylla*	-	Retain
	B11-T002	*Machilus chekiangensis*	-	Retain
	B11-T003	*Garcinia oblongifolia*	-	Retain
	B11-T004	*Machilus chekiangensis*	-	Retain
	B11-T005	*Cinnamomum parthenoxylon*	-	Retain
	B11-T006	*Machilus chekiangensis*	-	Retain
	B11-T007	*Acronychia pedunculata*	-	Retain
	B11-T008	*Machilus chekiangensis*	-	Retain
	B11-T009	*Polyspora axillaris*	-	Retain
	B11-T010	*Polyspora axillaris*	-	Retain
	B11-T011	*Polyspora axillaris*	-	Retain
	B11-T012	*Polyspora axillaris*	-	Retain
B12	B12-T001	*Alangium chinense*	-	Retain
	B12-T002	*Litsea monopetala*	-	Retain
	B12-T003	*Ficus variegata*	-	Retain
	B12-T004	*Endospermum chinense*	-	Retain
	B12-T005	*Macaranga tanarius var. tomentosa*	-	Retain
	B12-T006	*Litsea monopetala*	-	Retain
	B12-T007	*Alangium chinense*	-	Retain
	B12-T008	*Cinnamomum parthenoxylon*	-	Retain
	B12-T009	*Schefflera heptaphylla*	-	Retain
	B12-T010	*Macaranga tanarius var. tomentosa*	-	Retain, pruning is required
	B12-T011	*Melicope pteleifolia*	-	Retain
	B12-T012	*Macaranga tanarius var. tomentosa*	-	Retain
	B12-T013	*Melicope pteleifolia*	-	Retain
	B12-T014	*Machilus chekiangensis*	-	Retain
B13	B13-T001	*Machilus chekiangensis*	-	Retain
	B13-T002	*Machilus chekiangensis*	-	Retain, pruning is required
	B13-T003	*Lophostemon confertus*	-	Retain
	B13-T004	*Cinnamomum parthenoxylon*	-	Retain, pruning is required
	B13-T005	*Lophostemon confertus*	-	Retain

Pylon No.	Tree No.	Tree Species	Conservation Status [1]	Action to be Taken [2]
B14	B14-T001	*Elaeocarpus sylvestris*	-	Retain, pruning is required
	B14-T002	*Aporusa dioica*	-	Retain
	B14-T003	*Aporusa dioica*	-	Retain
	B14-T004	*Machilus chekiangensis*	-	Retain
	B14-T005	*Alangium chinense*	-	Retain
	B14-T006	*Machilus chekiangensis*	-	Retain
	B14-T008	*Casuarina equisetifolia*	-	Retain
	B14-T009	*Melicope pteleifolia*	-	Retain
B15	B15-T001	*Garcinia oblongifolia*	-	Retain
	B15-T002	*Polyspora axillaris*	-	Retain
	B15-T003	*Elaeocarpus sylvestris*	-	Retain
	B15-T004	*Pinus massoniana*	-	Retain
	B15-T005	*Pinus massoniana*	-	Retain
	B15-T006	*Machilus chekiangensis*	-	Retain
	B15-T007	*Pinus massoniana*	-	Retain
	B15-T008	*Pinus massoniana*	-	Retain
	B15-T009	*Canthium dicoccum*	-	Retain
	B15-T011	*Elaeocarpus sylvestris*	-	Retain
	B15-T012	*Litsea cubeba*	-	Fell
	B15-T013	*Canthium dicoccum*	-	Retain
B16	B16-T001	*Schima superba*	-	Retain
	B16-T002	*Polyspora axillaris*	-	Retain
	B16-T003	*Schima superba*	-	Retain
	B16-T004	*Polyspora axillaris*	-	Retain
	B16-T005	*Schima superba*	-	Retain
	B16-T006	*Aquilaria sinensis*	Protected under Cap. 586, Status in China as "Near Threatened" (AFCD 2003), listed as "Vulnerable" in China Plant Red Data Book, under State protection (Category II) in China (AFCD 2003), classified as "Vulnerable" on the IUCN Red List	Retain
	B16-T007	*Pinus massoniana*	-	Retain

Pylon No.	Tree No.	Tree Species	Conservation Status [1]	Action to be Taken [2]
	B16-T008	*Pinus massoniana*	-	Retain, pruning is required
	B16-T009	*Polyspora axillaris*	-	Retain
	B16-T010	*Schima superba*	-	Retain
B17	B17-T001	*Lophostemon confertus*	-	Retain
	B17-T002	*Lophostemon confertus*	-	Retain
	B17-T003	*Machilus chekiangensis*	-	Retain
	B17-T004	*Machilus chekiangensis*	-	Retain
	B17-T005	*Pinus massoniana*	-	Retain
	B17-T006	*Pinus massoniana*	-	Retain
	B17-T007	*Machilus chekiangensis*	-	Retain
B18	B18-T001	*Litsea cubeba*	-	Retain
	B18-T002	*Machilus chekiangensis*	-	Retain, pruning is required
	B18-T003	*Machilus chekiangensis*	-	Retain
	B18-T004	*Machilus chekiangensis*	-	Retain
	B18-T005	*Machilus chekiangensis*	-	Retain
	B18-T006	*Itea chinensis*	-	Retain
	B18-T007	*Polyspora axillaris*	-	Retain
	B18-T008	*Polyspora axillaris*	-	Retain
B19	B19-T001	*Machilus chekiangensis*	-	Retain
	B19-T002	*Schefflera heptaphylla*	-	Retain
	B19-T003	*Schefflera heptaphylla*	-	Retain
	B19-T004	*Machilus chekiangensis*	-	Retain
	B19-T006	*Litsea cubeba*	-	Retain, pruning is required
	B19-T007	*Machilus chekiangensis*	-	Retain
	B19-T008	*Machilus chekiangensis*	-	Retain
	B19-T009	*Machilus chekiangensis*	-	Retain
	B19-T010	*Reevesia thyrsoidea*	-	Retain
	B19-T011	*Polyspora axillaris*	-	Retain
	B19-T012	*Litsea cubeba*	-	Retain
	B19-T013 (dead)	*Litsea cubeba*	-	The dead trees will be cut to a level above ground to remove the falling risk and the cut
	B19-T014 (dead)	*Machilus chekiangensis*	-	

Pylon No.	Tree No.	Tree Species	Conservation Status [1]	Action to be Taken [2]
				trees will be placed in the vicinity where would not block the access.
	B19-T015	*Litsea rotundifolia var. oblongifolia*	-	Retain
	B19-T016	*Machilus chekiangensis*	-	Retain
	B19-T017	*Machilus chekiangensis*	-	Retain
	B19-T018	*Machilus chekiangensis*	-	Retain
	B19-T019	*Machilus chekiangensis*	-	Retain
	B19-T020	*Machilus chekiangensis*	-	Retain
B20	B20-T001	*Litsea cubeba*	-	Retain
	B20-T002	*Machilus chekiangensis*	-	Retain
	B20-T004	*Litsea cubeba*	-	Retain
	B20-T005	*Machilus breviflora*	-	Retain
	B20-T006	*Reevesia thyrsoidea*	-	Retain
	B20-T007	*Litsea cubeba*	-	Retain
	B20-T008	*Litsea cubeba*	-	Fell
	B20-T009	*Polyspora axillaris*	-	Retain
	B20-T010	*Polyspora axillaris*	-	Retain
B21	B21-T001	*Machilus chekiangensis*	-	Retain
	B21-T002	*Machilus chekiangensis*	-	Retain
	B21-T003	*Machilus chekiangensis*	-	Retain
	B21-T004	*Machilus chekiangensis*	-	Retain
	B21-T005	*Machilus chekiangensis*	-	Retain
	B21-T006	*Litsea cubeba*	-	Retain, pruning is required
	B21-T007	*Machilus chekiangensis*	-	Retain
	B21-T008	*Machilus chekiangensis*	-	Retain
	B21-T009	*Litsea cubeba*	-	Retain, pruning is required
B22	B22-T001	*Litsea cubeba*	-	Retain
	B22-T002	*Acronychia pedunculata*	-	Retain
	B22-T003	*Machilus chekiangensis*	-	Retain, pruning is required

Pylon No.	Tree No.	Tree Species	Conservation Status [1]	Action to be Taken [2]
	B22-T005	*Machilus chekiangensis*	-	Retain, pruning is required
	B22-T006 (dead)	*Ficus variegata*	-	The dead trees will be cut to a level above ground to remove the falling risk and the cut trees will be placed in the vicinity where would not block the access
	B22-T007	*Machilus chekiangensis*	-	Retain, pruning is required
B23	B23-T001	*Machilus chekiangensis*	-	Retain
	B23-T002	*Elaeocarpus sylvestris*	-	Retain
	B23-T003	*Machilus chekiangensis*	-	Retain
	B23-T004	*Machilus chekiangensis*	-	Retain
	B23-T005	*Aporusa dioica*	-	Retain
	B23-T006	*Elaeocarpus sylvestris*	-	Retain
	B23-T008	*Machilus chekiangensis*	-	Retain
B24	B24-T001	*Polyspora axillaris*	-	Retain
	B24-T002	*Polyspora axillaris*	-	Retain
	B24-T003	*Garcinia oblongifolia*	-	Retain
	B24-T004	*Acronychia pedunculata*	-	Retain
B25	B25-T001	*Cinnamomum parthenoxylon*	-	Retain
	B25-T002	*Machilus chekiangensis*	-	Retain
	B25-T003	*Aquilaria sinensis*	Protected under Cap. 586, Status in China as "Near Threatened" (AFCD 2003), listed as "Vulnerable" in China Plant Red Data Book, under State protection (Category II) in China (AFCD 2003), classified as "Vulnerable" on the IUCN Red List	Retain
	B25-T004	*Machilus chekiangensis*	-	Retain
	B25-T005	*Reevesia thyrsoidea*	-	Retain
	B25-T006	*Machilus chekiangensis*	-	Retain
B26	B26-T001	*Melicope pteleifolia*	-	Fell

Pylon No.	Tree No.	Tree Species	Conservation Status [1]	Action to be Taken [2]
	B26-T002	*Schefflera heptaphylla*	-	Retain, pruning is required
	B26-T003	*Machilus chekiangensis*	-	Retain
	B26-T004	*Aquilaria sinensis*	Protected under Cap. 586, Status in China as "Near Threatened" (AFCD 2003), listed as "Vulnerable" in China Plant Red Data Book, under State protection (Category II) in China (AFCD 2003), classified as "Vulnerable" on the IUCN Red List	Retain
	B26-T005	*Symplocos lancifolia*	-	Retain
	B26-T006	*Rhus succedanea*	-	Retain
	B26-T007	*Rhus succedanea*	-	Retain
	B26-T008	*Mallotus paniculatus*	-	Retain
	B26-T009	*Sterculia lanceolata*	-	Retain
	B26-T010	*Celtis sinensis*	-	Retain
	B26-T011	*Schefflera heptaphylla*	-	Retain
	B26-T012	*Aporusa dioica*	-	Fell
B27	B27-T001	*Schefflera heptaphylla*	-	Retain
	B27-T002	*Machilus chekiangensis*	-	Retain
	B27-T003	*Acacia confusa*	-	Retain
	B27-T004	*Acacia confusa*	-	Retain
	B27-T005	*Acacia confusa*	-	Retain
	B27-T006	*Acacia confusa*	-	Retain
	B27-T007	*Acacia confusa*	-	Retain
	B27-T008	*Acacia confusa*	-	Retain, pruning is required
	B27-T009	*Artocarpus hypargyreus*	-	Retain
	B27-T010	*Ficus variegata*	-	Retain
	B27-T011	*Celtis sinensis*	-	Retain
	B27-T012	*Ficus variegata*	-	Retain
	B27-T013	*Polyspora axillaris*	-	Retain
	B27-T014	*Artocarpus hypargyreus*	-	Retain
	B27-T015	*Sterculia lanceolata*	-	Retain
	B27-T016	*Rhus succedanea*	-	Retain

Pylon No.	Tree No.	Tree Species	Conservation Status [1]	Action to be Taken [2]
W3	W3-T001	*Machilus chekiangensis*	-	Retain
	W3-T002	*Cinnamomum parthenoxylon*	-	Retain
	W3-T003	*Pinus massoniana*	-	Retain
W4	W4-T001	*Pinus massoniana*	-	Retain
	W4-T002	*Polyspora axillaris*	-	Retain
	W4-T003	*Pinus massoniana*	-	Retain
	W4-T004	*Polyspora axillaris*	-	Retain
	W4-T005	*Polyspora axillaris*	-	Fell
	W4-T006	*Pinus massoniana*	-	Retain
	W4-T007	*Pinus massoniana*	-	Retain
	W4-T008	*Polyspora axillaris*	-	Retain
	W4-T009	*Pinus massoniana*	-	Retain
	W4-T010	*Pinus massoniana*	-	Retain
	W4-T011	*Pinus massoniana*	-	Retain
	W4-T012	*Pinus massoniana*	-	Retain
	W4-T013	*Pinus massoniana*	-	Retain
	W4-T014	*Pinus massoniana*	-	Retain
	W4-T015	*Pinus massoniana*	-	Retain
	W4-T016	*Polyspora axillaris*	-	Fell
	W4-T017	*Polyspora axillaris*	-	Retain
	W4-T018	*Polyspora axillaris*	-	Retain
	W4-T019	*Machilus chekiangensis*	-	Fell
W6	W6-T001	*Polyspora axillaris*	-	Retain
	W6-T002	*Schefflera heptaphylla*	-	Retain
	W6-T003	*Schefflera heptaphylla*	-	Retain
	W6-T004	*Sterculia lanceolata*	-	Retain
	W6-T005	*Aporusa dioica*	-	Retain
	W6-T006	*Pinus massoniana*	-	Retain
W7	W7-T001	*Acacia confusa*	-	Retain
	W7-T002	*Litsea glutinosa*	-	Retain
	W7-T003	*Acacia confusa*	-	Retain
	W7-T004	*Pinus massoniana*	-	Retain
	W7-T005	*Sterculia lanceolata*	-	Retain
	W7-T006	*Sterculia lanceolata*	-	Retain

Pylon No.	Tree No.	Tree Species	Conservation Status [1]	Action to be Taken [2]
	W7-T007	*Sterculia lanceolata*	-	Fell
	W7-T008	*Machilus chekiangensis*	-	Retain
W8	W8-T001	*Cinnamomum parthenoxylon*	-	Retain
	W8-T002	*Schefflera heptaphylla*	-	Retain
	W8-T003	*Schefflera heptaphylla*	-	Retain
	W8-T004	*Aporusa dioica*	-	Retain
	W8-T005	*Schefflera heptaphylla*	-	Retain
	W8-T006	*Cinnamomum parthenoxylon*	-	Retain
	W8-T007	*Schefflera heptaphylla*	-	Retain, pruning is required
	W8-T008	*Aporusa dioica*	-	Retain
	W8-T009	*Cinnamomum parthenoxylon*	-	Fell
	W8-T010	*Schefflera heptaphylla*	-	Retain
	W8-T011	*Schefflera heptaphylla*	-	Fell
W9	W9-T001	*Machilus chekiangensis*	-	Retain
	W9-T002	*Acronychia pedunculata*	-	Retain, pruning is required
	W9-T003	*Polyspora axillaris*	-	Retain
	W9-T004	*Schefflera heptaphylla*	-	Retain
	W9-T005	*Machilus chekiangensis*	-	Retain
	W9-T006	*Machilus chekiangensis*	-	Retain
	W9-T008	*Acronychia pedunculata*	-	Retain
	W9-T009	*Machilus chekiangensis*	-	Retain
	W9-T010	*Machilus chekiangensis*	-	Retain
W10	W10-T001	*Garcinia oblongifolia*	-	Retain
	W10-T002	*Schefflera heptaphylla*	-	Retain
	W10-T003	*Machilus chekiangensis*	-	Retain
	W10-T004	*Litsea glutinosa*	-	Retain
	W10-T005	*Schefflera heptaphylla*	-	Retain
	W10-T006	*Elaeocarpus sylvestris*	-	Retain
W11	W11-T001	*Machilus chekiangensis*	-	Retain
	W11-T002	*Machilus chekiangensis*	-	Retain, pruning is required
	W11-T003	*Schefflera heptaphylla*	-	Retain
	W11-T004	*Machilus chekiangensis*	-	Retain

Pylon No.	Tree No.	Tree Species	Conservation Status [1]	Action to be Taken [2]
	W11-T005	*Machilus chekiangensis*	-	Retain
	W11-T006	*Machilus chekiangensis*	-	Retain
	W11-T007	*Machilus chekiangensis*	-	Retain, pruning is required
	W11-T008	*Machilus chekiangensis*	-	Retain
	W11-T009	*Cinnamomum parthenoxylon*	-	Fell
	W11-T010	*Machilus chekiangensis*	-	Retain
	W11-T011	*Machilus chekiangensis*	-	Retain
	W11-T012	*Polyspora axillaris*	-	Retain, pruning is required
	W11-T013	*Photinia raupingensis*	-	Retain, pruning is required
	W11-T014	*Machilus chekiangensis*	-	Retain
W12	W12-T001	*Schefflera heptaphylla*	-	Retain
	W12-T002	*Acacia confusa*	-	Retain
	W12-T003	*Sterculia lanceolata*	-	Retain
	W12-T004	*Garcinia oblongifolia*	-	Retain
	W12-T005	*Machilus chekiangensis*	-	Retain
	W12-T006	*Machilus chekiangensis*	-	Retain
	W12-T007	*Acacia confusa*	-	Retain, pruning is required
	W12-T008	*Artocarpus hypargyreus*	-	Retain
	W12-T009	*Schefflera heptaphylla*	-	Retain
W13	W13-T001	*Machilus chekiangensis*	-	Retain
	W13-T002	*Machilus chekiangensis*	-	Retain
	W13-T003	*Aquilaria sinensis*	Protected under Cap. 586, Status in China as "Near Threatened" (AFCD 2003), listed as "Vulnerable" in China Plant Red Data Book, under State protection (Category II) in China (AFCD 2003), classified as "Vulnerable" on the IUCN Red List	Retain
	W13-T004	*Machilus chekiangensis*	-	Retain
	W13-T005	*Garcinia oblongifolia*	-	Retain, pruning is required
	W13-T006	*Machilus chekiangensis*	-	Retain

Pylon No.	Tree No.	Tree Species	Conservation Status [1]	Action to be Taken [2]
W14	W14-T001	*Garcinia oblongifolia*	-	Retain
W15	W15-T001	*Melaleuca leucadendra*	-	Retain
	W15-T002	*Polyspora axillaris*	-	Retain
	W15-T004	*Litsea glutinosa*	-	Retain
W16	W16-T001	*Polyspora axillaris*	-	Retain
	W16-T002	*Polyspora axillaris*	-	Retain
	W16-T003 [3]	*Schima superba*	-	Fell
	W16-T004	*Pinus massoniana*	-	Retain
	W16-T005	*Pinus massoniana*	-	Fell
	W16-T006	*Schima superba*	-	Retain
	W16-T007	*Acronychia pedunculata*	-	Retain
	W16-T008	*Garcinia oblongifolia*	-	Retain
	W16-T009	*Polyspora axillaris*	-	Retain
W17	W17-T001	*Schima superba*	-	Retain
	W17-T002	*Pinus massoniana*	-	Retain
	W17-T003	*Pinus massoniana*	-	Retain
	W17-T005	*Polyspora axillaris*	-	Retain
	W17-T006	*Pinus massoniana*	-	Retain
	W17-T007	*Pinus massoniana*	-	Retain
W18	W18-T001	*Pinus massoniana*	-	Retain
	W18-T002	*Schima superba*	-	Retain
	W18-T003	*Pinus massoniana*	-	Retain
	W18-T004	*Pinus massoniana*	-	Retain
	W18-T005	*Pinus massoniana*	-	Retain
W21	W21-T001	*Machilus chekiangensis*	-	Retain
	W21-T002	*Cyclobalanopsis myrsinifolia*	-	Retain, pruning is required
	W21-T003	*Endospermum chinense*	-	Retain
	W21-T004	*Pinus massoniana*	-	Retain
	W21-T005	*Pinus massoniana*	-	Retain
	W21-T006	*Cyclobalanopsis myrsinifolia*	-	Retain, pruning is required
W23	W23-T001	*Machilus chekiangensis*	-	Retain
	W23-T002	*Machilus chekiangensis*	-	Retain

Pylon No.	Tree No.	Tree Species	Conservation Status [1]	Action to be Taken [2]
	W23-T003	*Polyspora axillaris*	-	Retain
	W23-T004	*Polyspora axillaris*	-	Retain, pruning is required
	W23-T006	*Acronychia pedunculata*	-	Retain
	W23-T007	*Garcinia oblongfolia*	-	Retain
	W23-T008	*Garcinia oblongfolia*	-	Retain
	W23-T009	*Schima superba*	-	Retain
	W23-T010	*Schima superba*	-	Retain
W24	W24-T001	*Machilus chekiangensis*	-	Retain
	W24-T002	*Machilus chekiangensis*	-	Retain
	W24-T003	*Machilus chekiangensis*	-	Retain
	W24-T004	*Machilus chekiangensis*	-	Retain
	W24-T005	*Machilus chekiangensis*	-	Retain
	W24-T006 [3]	*Schefflera heptaphylla*	-	Retain, pruning is required
	W24-T007	*Machilus chekiangensis*	-	Retain
	W24-T008	*Machilus chekiangensis*	-	Retain
	W24-T009	*Machilus chekiangensis*	-	Retain
	W24-T010	*Schefflera heptaphylla*	-	Retain
	W24-T011	*Machilus chekiangensis*	-	Retain, pruning is required
	W24-T012	*Acacia confusa*	-	Retain, pruning is required
	W24-T013	*Machilus chekiangensis*	-	Retain
	W24-T014	*Machilus chekiangensis*	-	Retain
	W24-T015	*Machilus chekiangensis*	-	Retain
W25	W25-T001	*Schefflera heptaphylla*	-	Retain
	W25-T002	*Cinnamomum parthenoxylon*	-	Retain
	W25-T003	*Turpinia montana*	-	Retain
	W25-T004	*Machilus chekiangensis*	-	Retain, pruning is required
	W25-T005	*Cinnamomum parthenoxylon*	-	Retain
	W25-T006	*Machilus chekiangensis*	-	Retain
	W25-T007	*Schefflera heptaphylla*	-	Retain
	W25-T008	*Cinnamomum parthenoxylon*	-	Retain
W26	W26-T001	*Ficus microcarpa*	-	Retain

Pylon No.	Tree No.	Tree Species	Conservation Status [1]	Action to be Taken [2]
	W26-T002	*Celtis sinesis*	-	Retain
	W26-T003	*Celtis sinesis*	-	Retain
	W26-T004	*Rhus succedanea*	-	Retain
	W26-T005	*Ficus variegata*	-	Retain
	W26-T006	*Artocarpus hypargyreus*	-	Retain
	W26-T007	*Machilus chekiangensis*	-	Retain
	W26-T008	*Cinnamomum parthenoxylon*	-	Retain
	W26-T009	*Artocarpus hypargyreus*	-	Retain
	W26-T010	*Artocarpus hypargyreus*	-	Retain
	W26-T011	*Machilus chekiangensis*	-	Retain
	W26-T012	*Machilus chekiangensis*	-	Retain

Note:

1. Conservation Status:
   a. AFCD (2003) Rare and Precious Plants of Hong Kong (1).
   b. IUCN (2022) International Union for Conservation of Nature Red List of Threatened Species (2)
2. Pruning will be limited to less than 25% of the total live foliage in accordance to the Guidelines on Tree Pruning issued by Greening, Landscape and Tree Management Section.

(1) AFCD (2003). Rare and Precious Plants of Hong Kong. Agriculture, Fisheries and Conservation Department HKSAR, Hong Kong

(2) IUCN (2022). International Union for Conservation of Nature Red List of Threatened Species

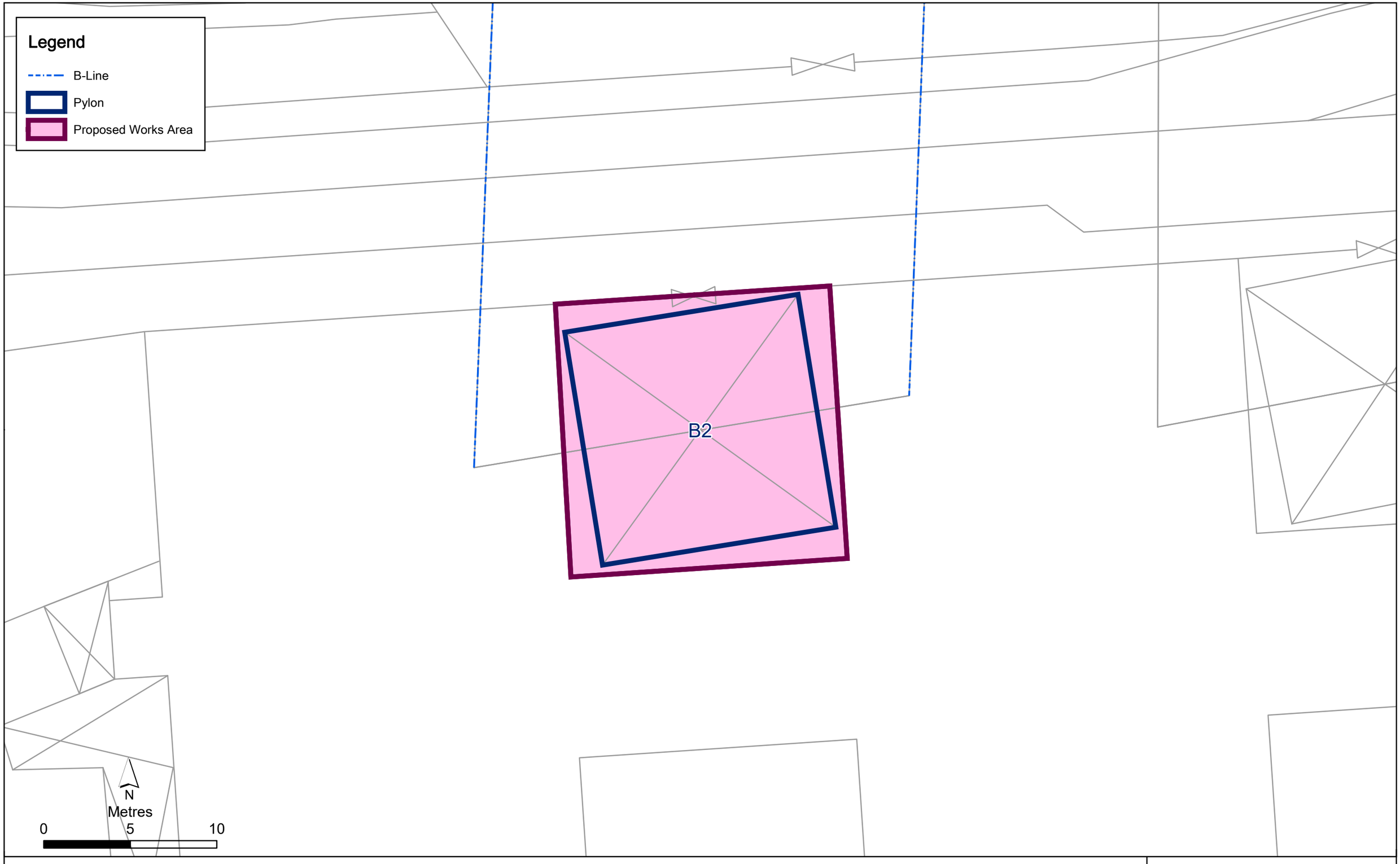


Figure D2.1

Trees Adjacent to the Proposed Works Area at Pylon B2

File: T:\GIS\CONTRACT\0643361\mxd\Tree_Survey\0643361_Tree_Survey_B2.mxd
Date: 11/8/2023

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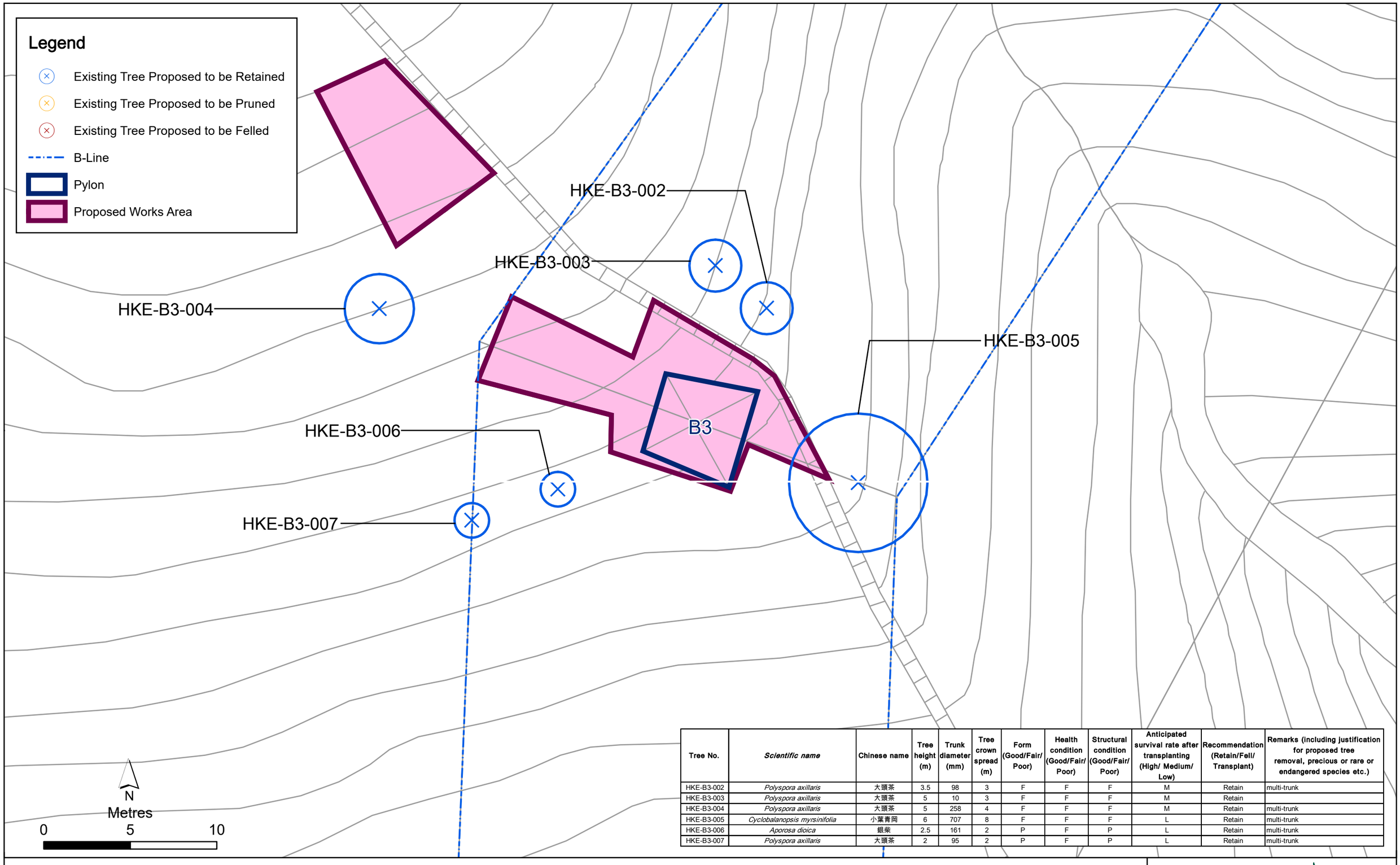

Tree No.	*Scientific name*	Chinese name	Tree height (m)	Trunk diameter (mm)	Tree crown spread (m)	Form (Good/Fair/ Poor)	Health condition (Good/Fair/ Poor)	Structural condition (Good/Fair/ Poor)	Anticipated survival rate after transplanting (High/ Medium/ Low)	Recommendation (Retain/Fell/ Transplant)	Remarks (including justification for proposed tree removal, precious or rare or endangered species etc.)
HKE-B3-002	*Polyspora axillaris*	大頭茶	3.5	98	3	F	F	F	M	Retain	multi-trunk
HKE-B3-003	*Polyspora axillaris*	大頭茶	5	10	3	F	F	F	M	Retain	
HKE-B3-004	*Polyspora axillaris*	大頭茶	5	258	4	F	F	F	M	Retain	multi-trunk
HKE-B3-005	*Cyclobalanopsis myrsinifolia*	小葉青岡	6	707	8	F	F	F	L	Retain	multi-trunk
HKE-B3-006	*Aporosa dioica*	銀柴	2.5	161	2	P	F	P	L	Retain	multi-trunk
HKE-B3-007	*Polyspora axillaris*	大頭茶	2	95	2	P	F	P	L	Retain	multi-trunk

Figure D2.2

Trees Adjacent to the Proposed Works Area at Pylon B3

File: T:\GIS\CONTRACT\0643361\mxd\Tree_Survey\0643361_Tree_Survey_B3.mxd
Date: 24/10/2023

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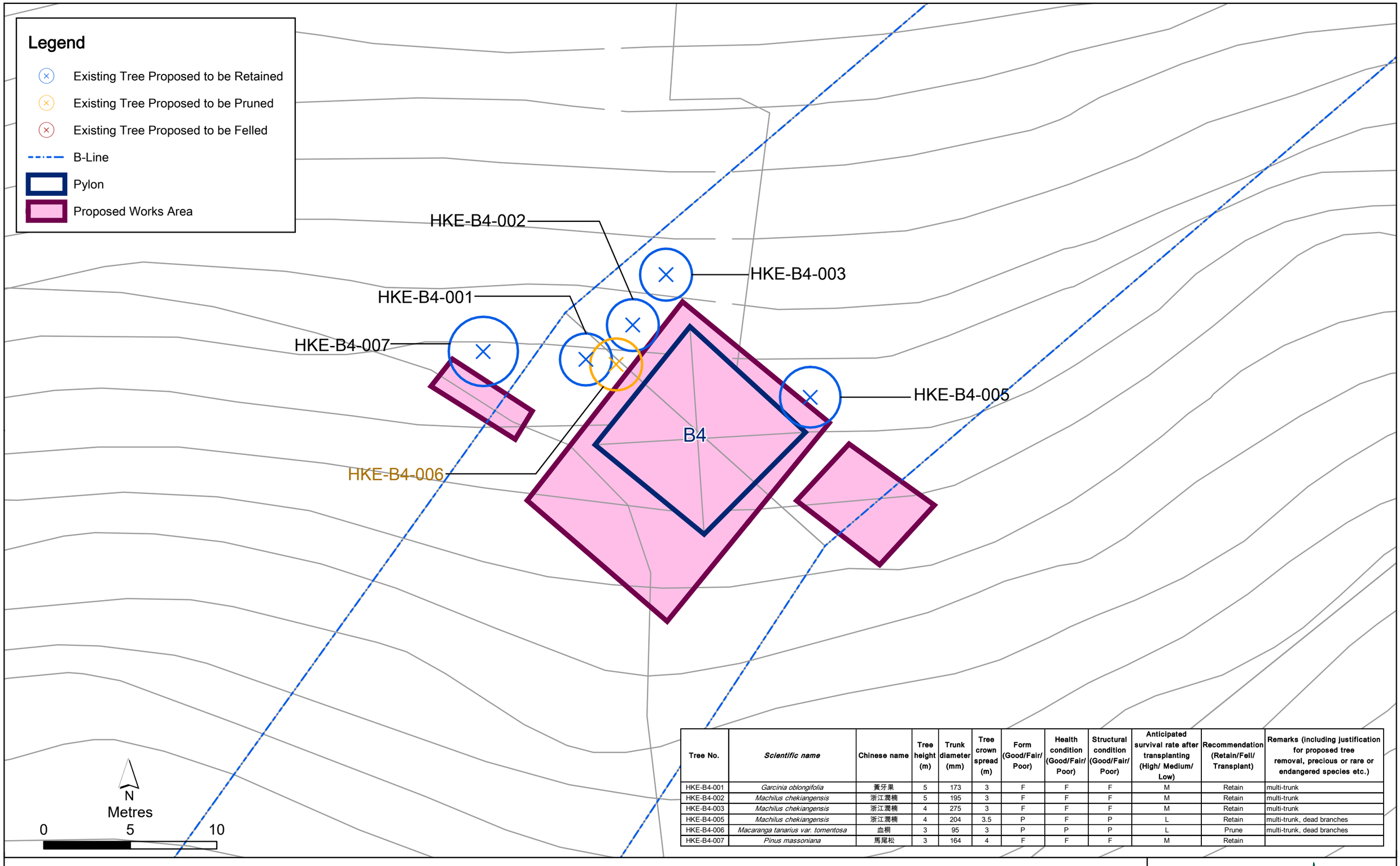

Tree No.	*Scientific name*	Chinese name	Tree height (m)	Trunk diameter (mm)	Tree crown spread (m)	Form (Good/Fair/ Poor)	Health condition (Good/Fair/ Poor)	Structural condition (Good/Fair/ Poor)	Anticipated survival rate after transplanting (High/ Medium/ Low)	Recommendation (Retain/Fell/ Transplant)	Remarks (including justification for proposed tree removal, precious or rare or endangered species etc.)
HKE-B4-001	*Garcinia oblongifolia*	黃牙果	5	173	3	F	F	F	M	Retain	multi-trunk
HKE-B4-002	*Machilus chekiangensis*	浙江潤楠	5	195	3	F	F	F	M	Retain	multi-trunk
HKE-B4-003	*Machilus chekiangensis*	浙江潤楠	4	275	3	F	F	F	M	Retain	multi-trunk
HKE-B4-005	*Machilus chekiangensis*	浙江潤楠	4	204	3.5	P	F	P	L	Retain	multi-trunk, dead branches
HKE-B4-006	*Macaranga tanarius var. tomentosa*	血桐	3	95	3	P	P	P	L	Prune	multi-trunk, dead branches
HKE-B4-007	*Pinus massoniana*	馬尾松	3	164	4	F	F	F	M	Retain	

Figure D2.3

Trees Adjacent to the Proposed Works Area at Pylon B4

File: T:\GIS\CONTRACT\0643361\mxd\Tree_Survey\0643361_Tree_Survey_B4.mxd
Date: 11/8/2023

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HKE-B4-006: Tree pruning required

Figure D2.3a

Site Photo Showing Trees that Will Be Affected at Pylon B4

DATE: October 2022

Environmental Resources Management

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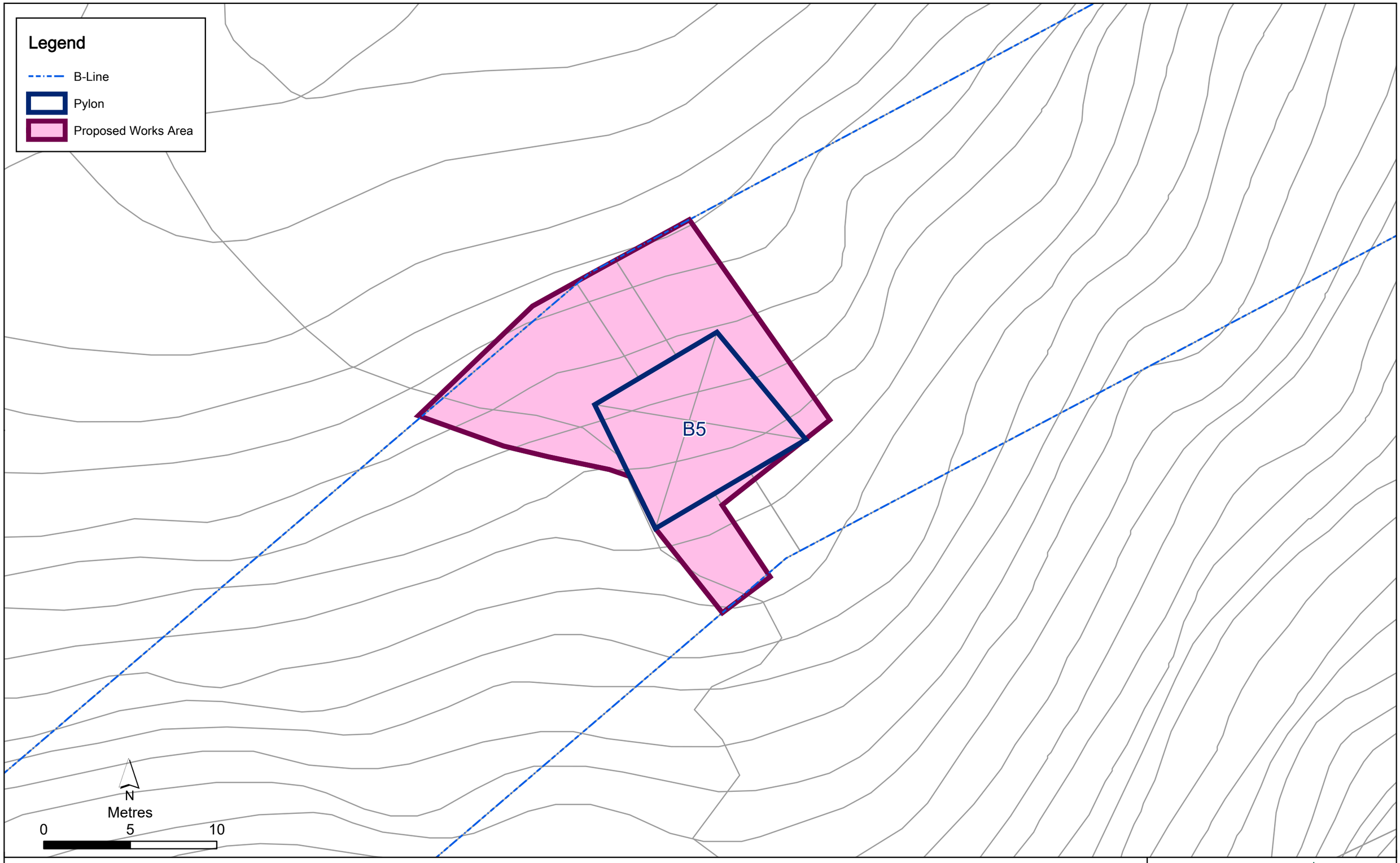

Figure D2.4

Trees Adjacent to the Proposed Works Area at Pylon B5

File: T:\GIS\CONTRACT\0643361\mxd\Tree_Survey\0643361_Tree_Survey_B5.mxd
Date: 11/8/2023

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Tree No.	*Scientific name*	Chinese name	Tree height (m)	Trunk diameter (mm)	Tree crown spread (m)	Form (Good/Fair/ Poor)	Health condition (Good/Fair/ Poor)	Structural condition (Good/Fair/ Poor)	Anticipated survival rate after transplanting (High/ Medium/ Low)	Recommendation (Retain/Fell/ Transplant)	Remarks (including justification for proposed tree removal, precious or rare or endangered species etc.)
HKE-B6-001	*Schefflera heptaphylla*	鴨腳木	4	128	3	F	F	F	L	Retain	
HKE-B6-002	*Syzygium levinei*	山蒲桃	6	120	4	F	F	F	L	Retain	
HKE-B6-003	*Schefflera heptaphylla*	鴨腳木	5	105	3	F	F	F	L	Retain	climbers on tree
HKE-B6-004	*Schefflera heptaphylla*	鴨腳木	4.5	103	3	F	F	F	L	Retain	
HKE-B6-005	*Schefflera heptaphylla*	鴨腳木	4	106	3	F	F	F	L	Retain	climber on tree
HKE-B6-006	*Pinus massoniana*	馬尾松	4	120	3	F	F	F	L	Retain	
HKE-B6-007	*Machilus chekiangensis*	浙江潤楠	7	124	3	F	F	F	L	Retain	
HKE-B6-008	*Pinus massoniana*	馬尾松	5	115	4	P	F	P	L	Retain	on the slope

Legend

- Existing Tree Proposed to be Retained
- Existing Tree Proposed to be Pruned
- Existing Tree Proposed to be Felled
- B-Line
- Pylon
- Proposed Works Area

HKE-B6-006
HKE-B6-005
HKE-B6-003
HKE-B6-002
HKE-B6-001
HKE-B6-007
HKE-B6-004
HKE-B6-008
B6

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Metres

0 5 10

Figure D2.5

Trees Adjacent to the Proposed Works Area at Pylon B6

File: T:\GIS\CONTRACT\0643361\mxd\Tree_Survey\0643361_Tree_Survey_B6.mxd
Date: 11/8/2023

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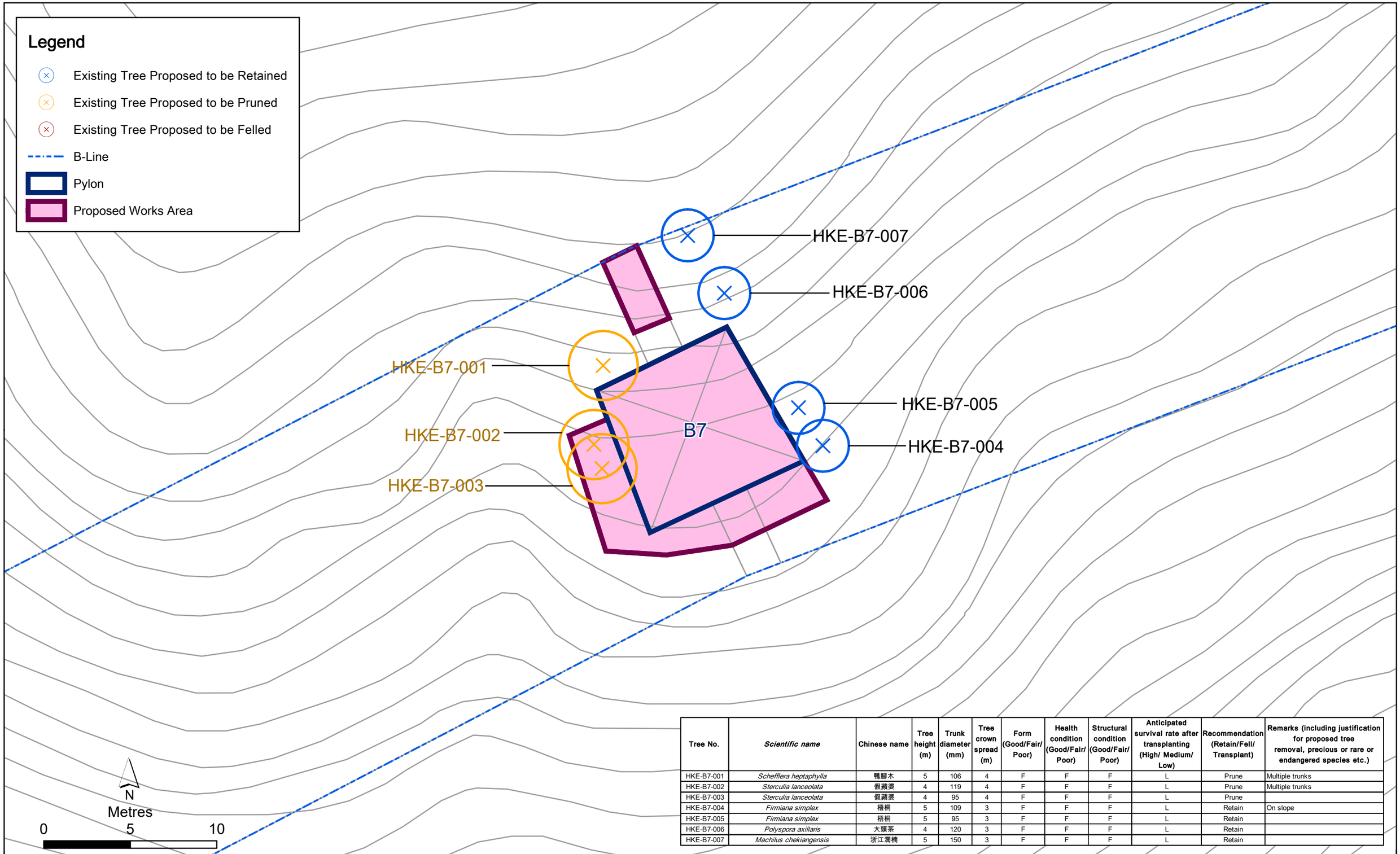

Tree No.	*Scientific name*	Chinese name	Tree height (m)	Trunk diameter (mm)	Tree crown spread (m)	Form (Good/Fair/ Poor)	Health condition (Good/Fair/ Poor)	Structural condition (Good/Fair/ Poor)	Anticipated survival rate after transplanting (High/ Medium/ Low)	Recommendation (Retain/Fell/ Transplant)	Remarks (including justification for proposed tree removal, precious or rare or endangered species etc.)
HKE-B7-001	*Schefflera heptaphylla*	鴨腳木	5	106	4	F	F	F	L	Prune	Multiple trunks
HKE-B7-002	*Sterculia lanceolata*	假蘋婆	4	119	4	F	F	F	L	Prune	Multiple trunks
HKE-B7-003	*Sterculia lanceolata*	假蘋婆	4	95	4	F	F	F	L	Prune	
HKE-B7-004	*Firmiana simplex*	梧桐	5	109	3	F	F	F	L	Retain	On slope
HKE-B7-005	*Firmiana simplex*	梧桐	5	95	3	F	F	F	L	Retain	
HKE-B7-006	*Polyspora axillaris*	大頭茶	4	120	3	F	F	F	L	Retain	
HKE-B7-007	*Machilus chekiangensis*	浙江潤楠	5	150	3	F	F	F	L	Retain	

Figure D2.6

Trees Adjacent to the Proposed Works Area at Pylon B7

File: T:\GIS\CONTRACT\0643361\mxd\Tree_Survey\0643361_Tree_Survey_B7.mxd
Date: 24/10/2023

Environmental Resources Management

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HKE-B7-001: Tree pruning required

Figure D2.6a

Site Photo Showing Trees that Will Be Affected at Pylon B7

DATE: October 2022

Environmental Resources Management

ERM

HKE-B7-002 & HKE-B7-003: Tree pruning required)

Figure D2.6b

Site Photo Showing Trees that Will Be Affected at Pylon B7

DATE: October 2022

Environmental Resources Management

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Tree No.	*Scientific name*	Chinese name	Tree height (m)	Trunk diameter (mm)	Tree crown spread (m)	Form (Good/Fair/ Poor)	Health condition (Good/Fair/ Poor)	Structural condition (Good/Fair/ Poor)	Anticipated survival rate after transplanting (High/ Medium/ Low)	Recommendation (Retain/Fell/ Transplant)	Remarks (including justification for proposed tree removal, precious or rare or endangered species etc.)
HKE-B8-001	*Garcinia oblongifolia*	黃牙果	6	178	5	F	F	F	L	Retain	Multi-trunk
HKE-B8-002	*Pinus massoniana*	馬尾松	8	180	4	P	F	F	L	Retain	Imbalance form
HKE-B8-003	*Pinus massoniana*	馬尾松	7	165	4	P	F	F	L	Retain	Imbalance form
HKE-B8-004	*Pinus massoniana*	馬尾松	5	170	3	P	F	F	L	Retain	Imbalance form
HKE-B8-005	*Garcinia oblongifolia*	黃牙果	6	117	5	F	F	F	L	Retain	
HKE-B8-006	*Acronychia pedunculata*	山油柑	5	97	5	F	F	F	L	Retain	Climbers on tree
HKE-B8-007	*Polyspora axillaris*	大頭茶	5	148	3	F	F	F	L	Retain	Multi-trunk

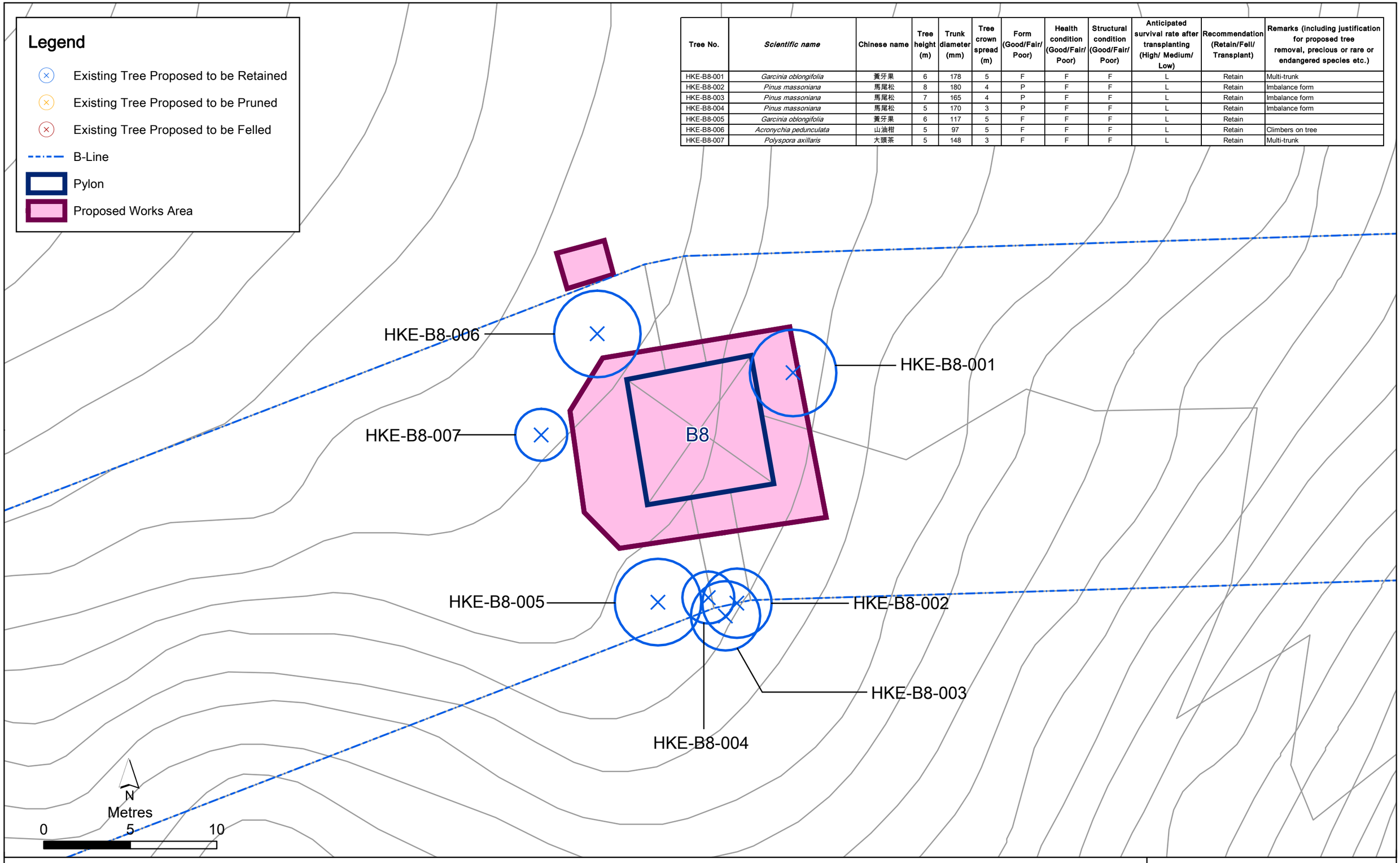


Figure D2.7

Trees Adjacent to the Proposed Works Area at Pylon B8

File: T:\GIS\CONTRACT\0643361\mxd\Tree_Survey\0643361_Tree_Survey_B8.mxd
Date: 24/10/2023

Environmental Resources Management

ERM

Legend

- Existing Tree Proposed to be Retained
- Existing Tree Proposed to be Pruned
- Existing Tree Proposed to be Felled
- B-Line
- Pylon
- Proposed Works Area

Tree No.	*Scientific name*	Chinese name	Tree height (m)	Trunk diameter (mm)	Tree crown spread (m)	Form (Good/Fair/ Poor)	Health condition (Good/Fair/ Poor)	Structural condition (Good/Fair/ Poor)	Anticipated survival rate after transplanting (High/ Medium/ Low)	Recommendation (Retain/Fell/ Transplant)	Remarks (including justification for proposed tree removal, precious or rare or endangered species etc.)
HKE-B9-001	*Acronychia pedunculata*	山油柑	3.5	104	3	F	F	F	L	Retain	
HKE-B9-002	*Lithocarpus glaber*	柯, 石櫟	4	136	3	F	F	F	L	Retain	
HKE-B9-003	*Acronychia pedunculata*	山油柑	3	144	2	P	P	P	L	Retain	Dead Branch
HKE-B9-004	*Lithocarpus glaber*	柯, 石櫟	5	310	3	F	F	F	L	Retain	
HKE-B9-005	*Schefflera heptaphylla*	鴨腳木	5	165	2	F	F	F	L	Retain	
HKE-B9-006	*Aporosa dioica*	銀柴	5	96	2	F	F	F	L	Retain	
HKE-B9-007	*Machilus chekiangensis*	浙江潤楠	6	204	3	F	F	F	L	Retain	
HKE-B9-008	*Acronychia pedunculata*	山油柑	6	140	3	F	F	F	L	Retain	
HKE-B9-009	*Schefflera heptaphylla*	鴨腳木	5	236	3	F	F	F	L	Retain	
HKE-B9-010	*Acronychia pedunculata*	山油柑	4	100	3	F	F	P	L	Retain	
HKE-B9-011	*Lithocarpus glaber*	柯, 石櫟	8	218	3	P	P	P	L	Retain	With climber, dead branches
HKE-B9-012	*Machilus chekiangensis*	浙江潤楠	8	357	4	F	F	F	L	Retain	
HKE-B9-013	*Cinnamomum parthenoxylon*	黃樟	7	359	8	F	F	F	L	Retain	
HKE-B9-014	*Litsea rotundifolia var. oblongifolia*	豺皮樟	4	124	3	F	F	F	L	Retain	Leaning, Mutiple-trunk

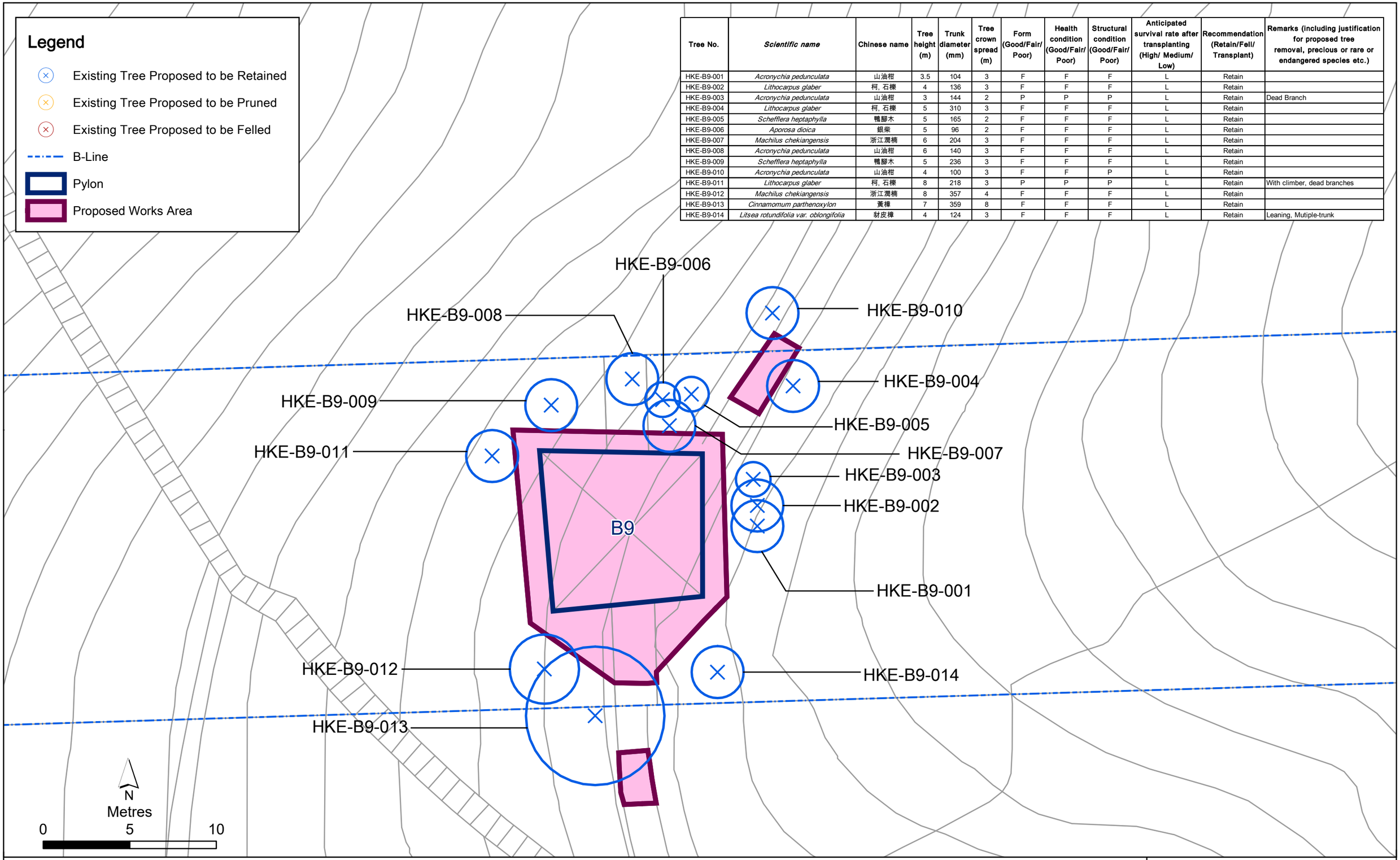


Figure D2.8

Trees Adjacent to the Proposed Works Area at Pylon B9

File: T:\GIS\CONTRACT\0643361\mxd\Tree_Survey\0643361_Tree_Survey_B9.mxd
Date: 24/10/2023

Environmental Resources Management

ERM

Legend

- Existing Tree Proposed to be Retained
- Existing Tree Proposed to be Pruned
- Existing Tree Proposed to be Felled
- B-Line
- Pylon
- Proposed Works Area

Tree No.	*Scientific name*	Chinese name	Tree height (m)	Trunk diameter (mm)	Tree crown spread (m)	Form (Good/Fair/ Poor)	Health condition (Good/Fair/ Poor)	Structural condition (Good/Fair/ Poor)	Anticipated survival rate after transplanting (High/ Medium/ Low)	Recommendation (Retain/Fell/ Transplant)	Remarks (including justification for proposed tree removal, precious or rare or endangered species etc.)
HKE-B10-001	*Machilus chekiangensis*	浙江潤楠	4.5	143	3	F	F	F	L	Retain	-
HKE-B10-002	*Diospyros morrisiana*	羅浮柿	4	110	2	F	F	F	L	Retain	
HKE-B10-003	*Acronychia pedunculata*	山油柑	4	97	2	F	F	F	L	Retain	
HKE-B10-004	*Pinus massoniana*	馬尾松	5	243	2	F	F	F	L	Retain	
HKE-B10-005	*Machilus chekiangensis*	浙江潤楠	4.5	98	2	F	F	F	L	Retain	
HKE-B10-006	*Machilus chekiangensis*	浙江潤楠	5	172	3	F	F	F	L	Retain	
HKE-B10-007	*Machilus chekiangensis*	浙江潤楠	4	102	2	F	F	F	L	Retain	
HKE-B10-008	*Machilus chekiangensis*	浙江潤楠	4	146	2	F	F	F	L	Retain	
HKE-B10-009	*Machilus chekiangensis*	浙江潤楠	4.5	95	2	F	F	F	L	Retain	
HKE-B10-010	*Machilus chekiangensis*	浙江潤楠	5	106	3	F	F	F	L	Retain	
HKE-B10-011	*Machilus chekiangensis*	浙江潤楠	6	148	2	F	F	F	L	Retain	Climbers on tree

HKE-B10-011
HKE-B10-004
HKE-B10-003
HKE-B10-002
HKE-B10-009
HKE-B10-001
HKE-B10-008
HKE-B10-010
HKE-B10-007
B10
HKE-B10-006
HKE-B10-005

N

Metres
0 5 10

Figure D2.9

Trees Adjacent to the Proposed Works Area at Pylon B10

File: T:\GIS\CONTRACT\0643361\mxd\Tree_Survey\0643361_Tree_Survey_B10.mxd
Date: 24/10/2023

Environmental Resources Management

ERM

Tree No.	*Scientific name*	Chinese name	Tree height (m)	Trunk diameter (mm)	Tree crown spread (m)	Form (Good/Fair/ Poor)	Health condition (Good/Fair/ Poor)	Structural condition (Good/Fair/ Poor)	Anticipated survival rate after transplanting (High/ Medium/ Low)	Recommendation (Retain/Fell/ Transplant)	Remarks (including justification for proposed tree removal, precious or rare or endangered species etc.)
HKE-B11-001	*Schefflera heptaphylla*	鴨腳木	3	104	2	F	F	F	L	Retain	
HKE-B11-002	*Machilus chekiangensis*	浙江潤楠	3.5	209	1.5	F	F	F	L	Retain	
HKE-B11-003	*Garcinia oblongifolia*	黃牙果	5	163	2	F	F	F	L	Retain	
HKE-B11-004	*Machilus chekiangensis*	浙江潤楠	4	170	5	P	F	F	L	Retain	
HKE-B11-005	*Cinnamomum parthenoxylon*	黃樟	4	101	3	F	F	F	L	Retain	
HKE-B11-006	*Machilus chekiangensis*	浙江潤楠	4	102	2	F	F	F	L	Retain	
HKE-B11-007	*Acronychia pedunculata*	山油柑	3	177	5	F	F	F	L	Retain	
HKE-B11-008	*Machilus chekiangensis*	浙江潤楠	3	97	2	F	F	F	L	Retain	
HKE-B11-009	*Polyspora axillaris*	大頭茶	3	150	3	P	F	P	L	Retain	
HKE-B11-010	*Polyspora axillaris*	大頭茶	4	132	3	F	F	F	L	Retain	
HKE-B11-011	*Polyspora axillaris*	大頭茶	4	172	2	F	F	F	L	Retain	
HKE-B11-012	*Polyspora axillaris*	大頭茶	4	153	4	P	P	P	L	Retain	

Legend

- Existing Tree Proposed to be Retained
- Existing Tree Proposed to be Pruned
- Existing Tree Proposed to be Felled
- B-Line
- Pylon
- Proposed Works Area

HKE-B11-012
HKE-B11-011
HKE-B11-010
HKE-B11-009
HKE-B11-008
HKE-B11-007
HKE-B11-006
HKE-B11-005
HKE-B11-004
HKE-B11-003
HKE-B11-001
HKE-B11-002
B11

N
Metres
0 5 10

Figure D2.10

Trees Adjacent to the Proposed Works Area at Pylon B11

File: T:\GIS\CONTRACT\0643361\mxd\Tree_Survey\0643361_Tree_Survey_B11.mxd
Date: 11/8/2023

Environmental Resources Management

ERM

Legend

- Existing Tree Proposed to be Retained
- Existing Tree Proposed to be Pruned
- Existing Tree Proposed to be Felled
- B-Line
- Pylon
- Proposed Works Area

Tree No.	*Scientific name*	Chinese name	Tree height (m)	Trunk diameter (mm)	Tree crown spread (m)	Form (Good/Fair/ Poor)	Health condition (Good/Fair/ Poor)	Structural condition (Good/Fair/ Poor)	Anticipated survival rate after transplanting (High/ Medium/ Low)	Recommendation (Retain/Fell/ Transplant)	Remarks (including justification for proposed tree removal, precious or rare or endangered species etc.)
HKE-B12-001	*Alangium chinense*	八角楓	6	215	4	F	F	F	L	Retain	
HKE-B12-002	*Litsea monopetala*	假柿木薑子	6	130	4	F	F	F	L	Retain	
HKE-B12-003	*Ficus variegata*	青果榕	6	111	3	G	F	G	L	Retain	
HKE-B12-004	*Endospermum chinense*	黃桐	6	153	3	G	F	G	L	Retain	
HKE-B12-005	*Macaranga tanarius var. tomentosa*	血桐	8	286	4	F	F	F	L	Retain	
HKE-B12-006	*Litsea monopetala*	假柿木薑子	6	153	4	G	F	F	L	Retain	
HKE-B12-007	*Alangium chinense*	八角楓	7	105	4	F	F	F	L	Retain	
HKE-B12-008	*Cinnamomum parthenoxylon*	黃樟	6	315	6	F	F	F	L	Retain	
HKE-B12-009	*Schefflera heptaphylla*	鴨腳木	7	166	4	F	F	F	L	Retain	
HKE-B12-010	*Macaranga tanarius var. tomentosa*	血桐	6	149	3	F	F	F	L	Prune	
HKE-B12-011	*Melicope pteleifolia*	三桠苦	6	153	5	P	P	P	L	Retain	Leaning
HKE-B12-012	*Macaranga tanarius var. tomentosa*	血桐	6	153	5	F	F	F	L	Retain	
HKE-B12-013	*Melicope pteleifolia*	三桠苦	6	153	5	F	F	F	L	Retain	
HKE-B12-014	*Machilus chekiangensis*	浙江潤楠	6	153	5	F	F	F	L	Retain	

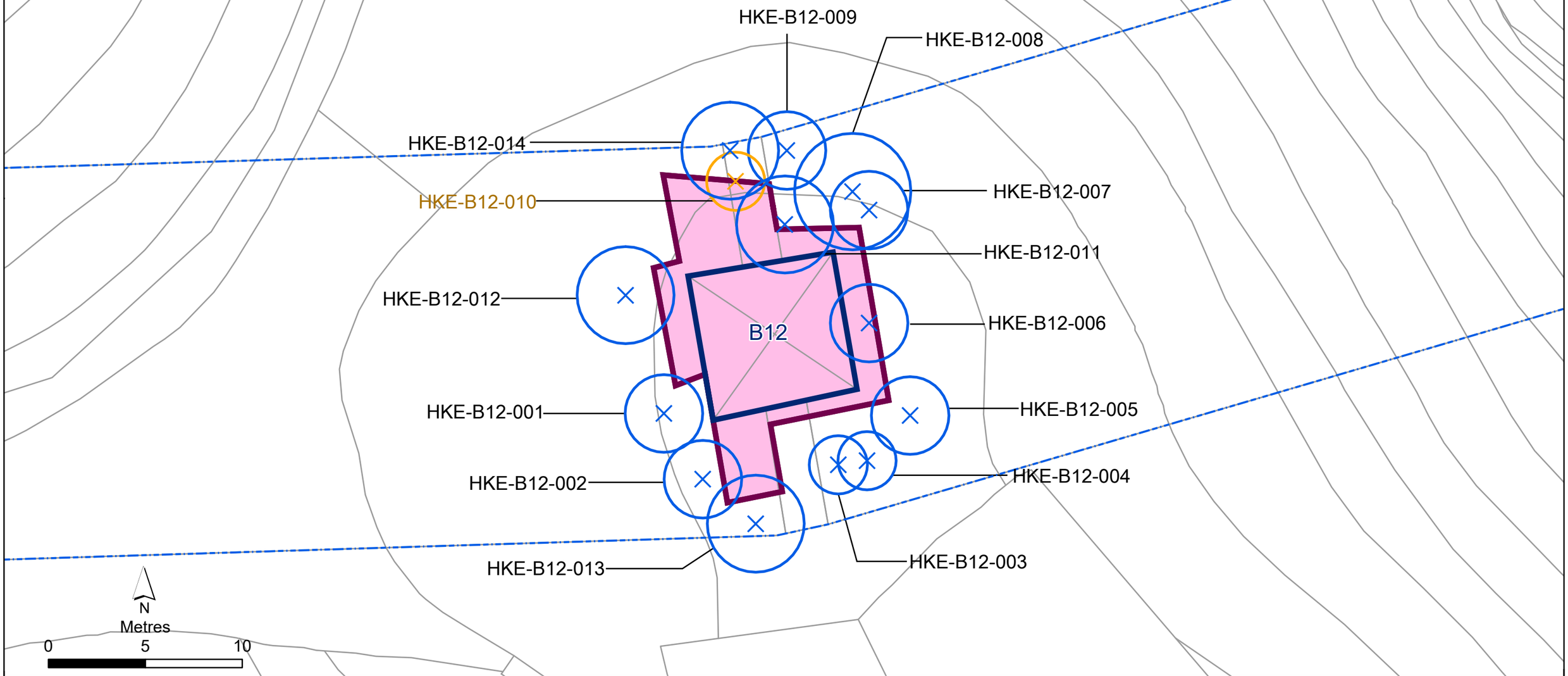


Figure D2.11

Trees Adjacent to the Proposed Works Area at Pylon B12

File: T:\GIS\CONTRACT\0643361\mxd\Tree_Survey\0643361_Tree_Survey_B12.mxd
Date: 24/10/2023

Environmental Resources Management

ERM

HKE-B12-010: Tree pruning required

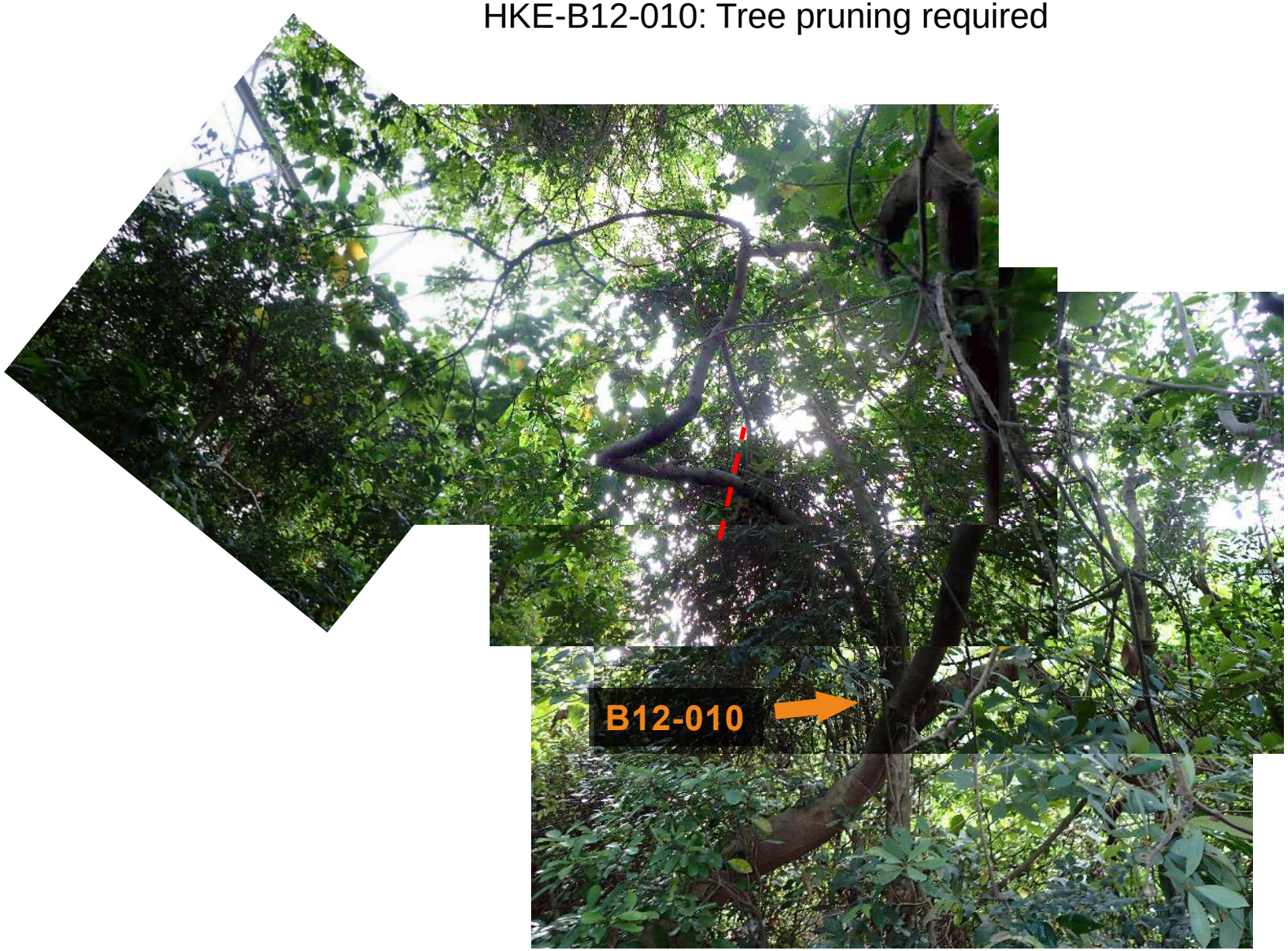


Figure D2.11a

Site Photo Showing Trees that Will Be Affected at Pylon B12

DATE: May 2023

Environmental Resources Management

ERM

Tree No.	*Scientific name*	Chinese name	Tree height (m)	Trunk diameter (mm)	Tree crown spread (m)	Form (Good/Fair/ Poor)	Health condition (Good/Fair/ Poor)	Structural condition (Good/Fair/ Poor)	Anticipated survival rate after transplanting (High/ Medium/ Low)	Recommendation (Retain/Fell/ Transplant)	Remarks (including justification for proposed tree removal, precious or rare or endangered species etc.)
HKE-B13-001	*Machilus chekiangensis*	浙江潤楠	5	95	2	F	F	F	L	Retain	
HKE-B13-002	*Machilus chekiangensis*	浙江潤楠	5	96	2	F	G	F	L	Prune	
HKE-B13-003	*Lophostemon confertus*	紅膠木	8	236	4	F	F	F	L	Retain	
HKE-B13-004	*Cinnamomum parthenoxylon*	黃樟	8	241	4	F	F	F	L	Prune	Multiple trunk
HKE-B13-005	*Lophostemon confertus*	紅膠木	7	198	3	F	F	F	L	Retain	

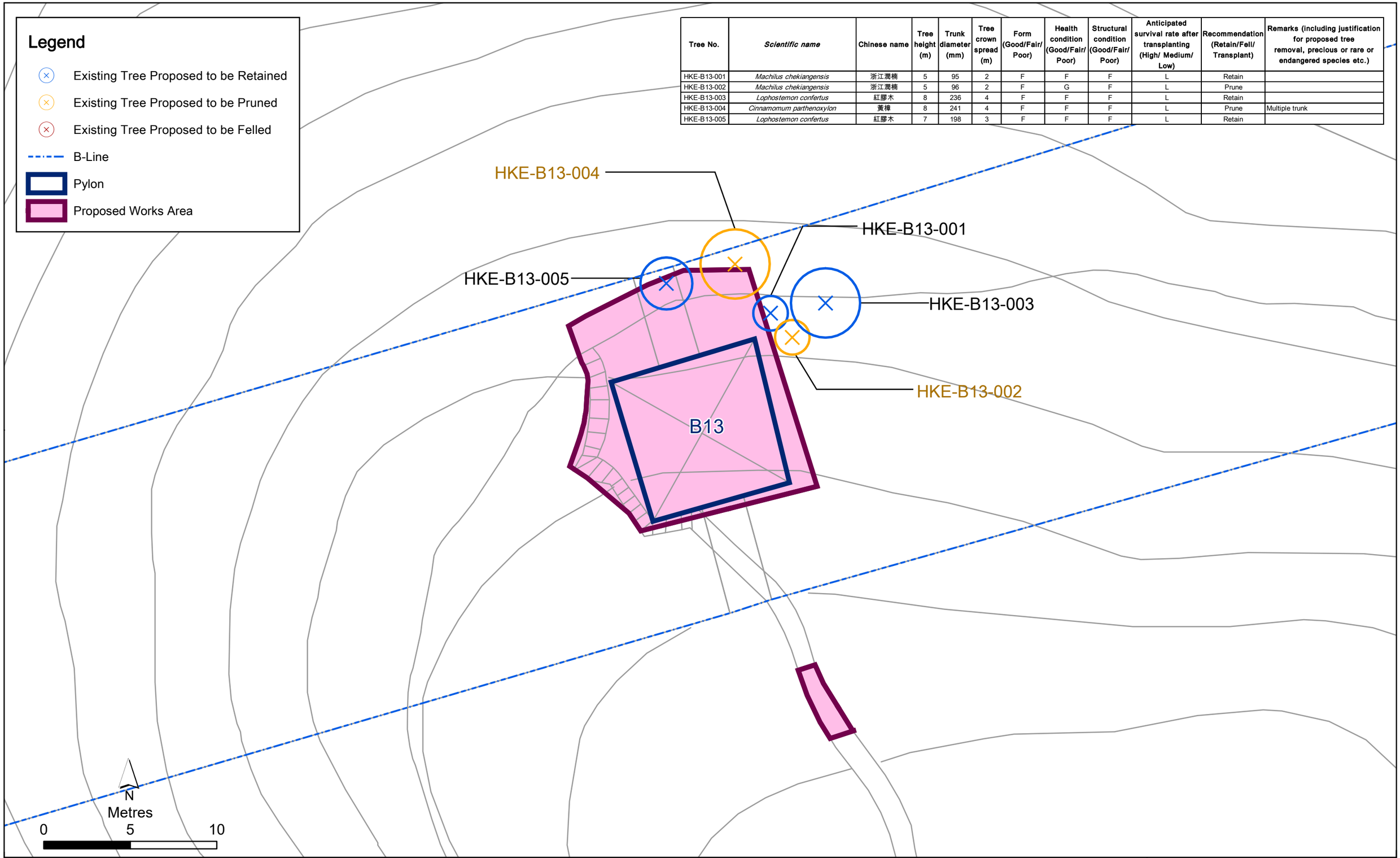


Figure D2.12

Trees Adjacent to the Proposed Works Area at Pylon B13

File: T:\GIS\CONTRACT\0643361\mxd\Tree_Survey\0643361_Tree_Survey_B13.mxd
Date: 24/10/2023

Environmental Resources Management

ERM

HKE-B13-002: Tree pruning required

Figure D2.12a

Site Photo Showing Trees that Will Be Affected at Pylon B13

DATE: May 2023

Environmental Resources Management

ERM

HKE-B13-004: Tree pruning required

Figure D2.12b

Site Photo Showing Trees that Will Be Affected at Pylon B13

DATE: October 2022

Environmental Resources Management

ERM

Legend

- Existing Tree Proposed to be Retained
- Existing Tree Proposed to be Pruned
- Existing Tree Proposed to be Felled
- B-Line
- Pylon
- Proposed Works Area

Tree No.	*Scientific name*	Chinese name	Tree height (m)	Trunk diameter (mm)	Tree crown spread (m)	Form (Good/Fair/ Poor)	Health condition (Good/Fair/ Poor)	Structural condition (Good/Fair/ Poor)	Anticipated survival rate after transplanting (High/ Medium/ Low)	Recommendation (Retain/Fell/ Transplant)	Remarks (including justification for proposed tree removal, precious or rare or endangered species etc.)
HKE-B14-001	*Elaeocarpus sylvestris*	山杜英	8	180	5	F	F	F	L	Prune	co-dominant trunk
HKE-B14-002	*Aporosa dioica*	銀柴	7	114	5	F	F	F	L	Retain	
HKE-B14-003	*Aporosa dioica*	銀柴	6	128	4	F	F	F	L	Retain	
HKE-B14-004	*Machilus chekiangensis*	浙江潤楠	6	250	4	F	F	F	L	Retain	climber on tree
HKE-B14-005	*Alangium chinense*	八角楓	7	105	2	F	F	F	L	Retain	
HKE-B14-006	*Machilus chekiangensis*	浙江潤楠	7	267	4	F	F	F	L	Retain	climber on tree
HKE-B14-008	*Casuarina equisetifolia*	木麻黃	6	196	4	P	F	F	L	Retain	Tree chopped, climber on tree
HKE-B14-009	*Melicope pteleifolia*	三桠苦	6	134	2	F	F	F	L	Retain	tilted

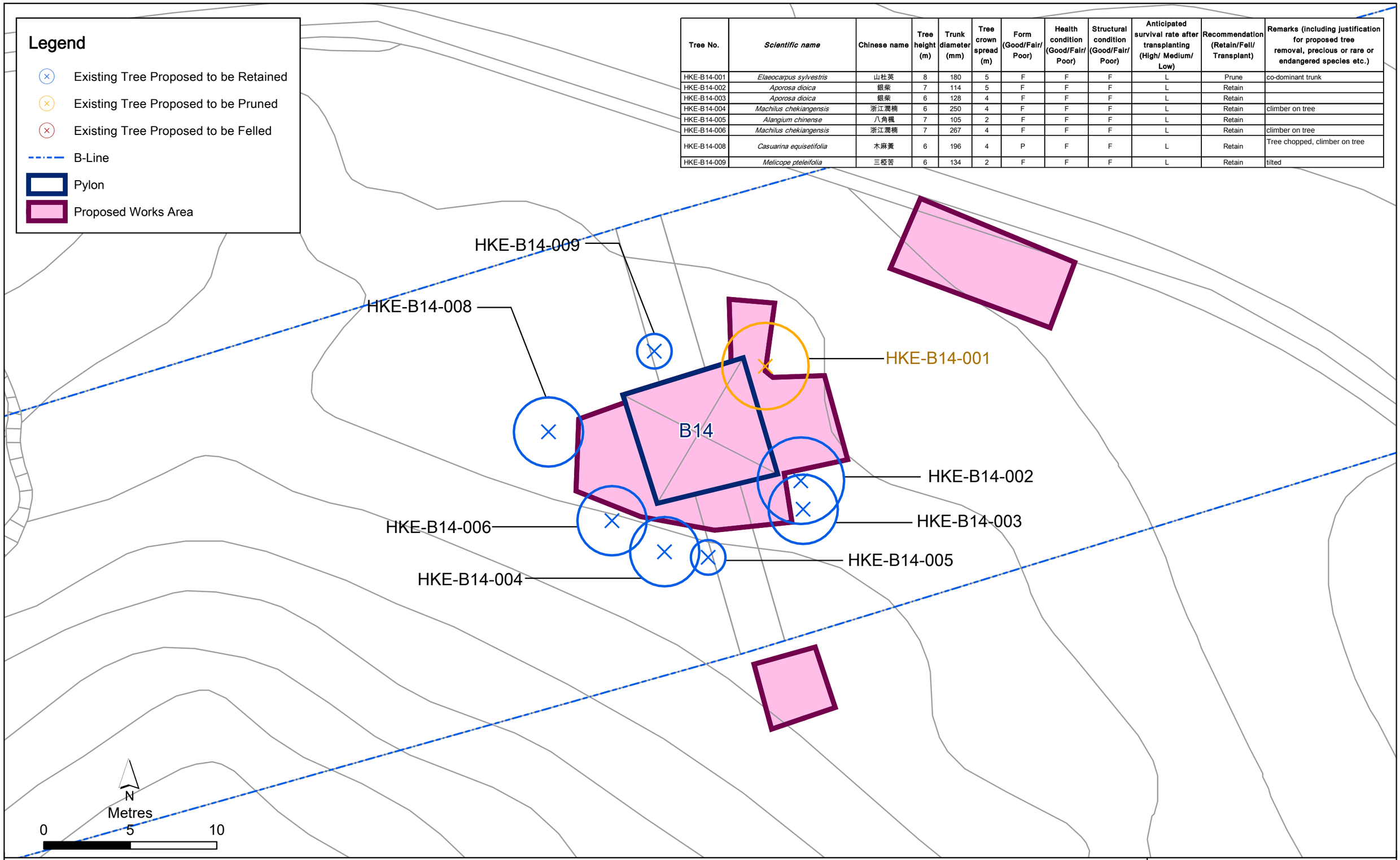


Figure D2.13

Trees Adjacent to the Proposed Works Area at Pylon B14

File: T:\GIS\CONTRACT\0643361\mxd\Tree_Survey\0643361_Tree_Survey_B14.mxd
Date: 24/10/2023

Environmental Resources Management

ERM

HKE-B14-001: Tree pruning required

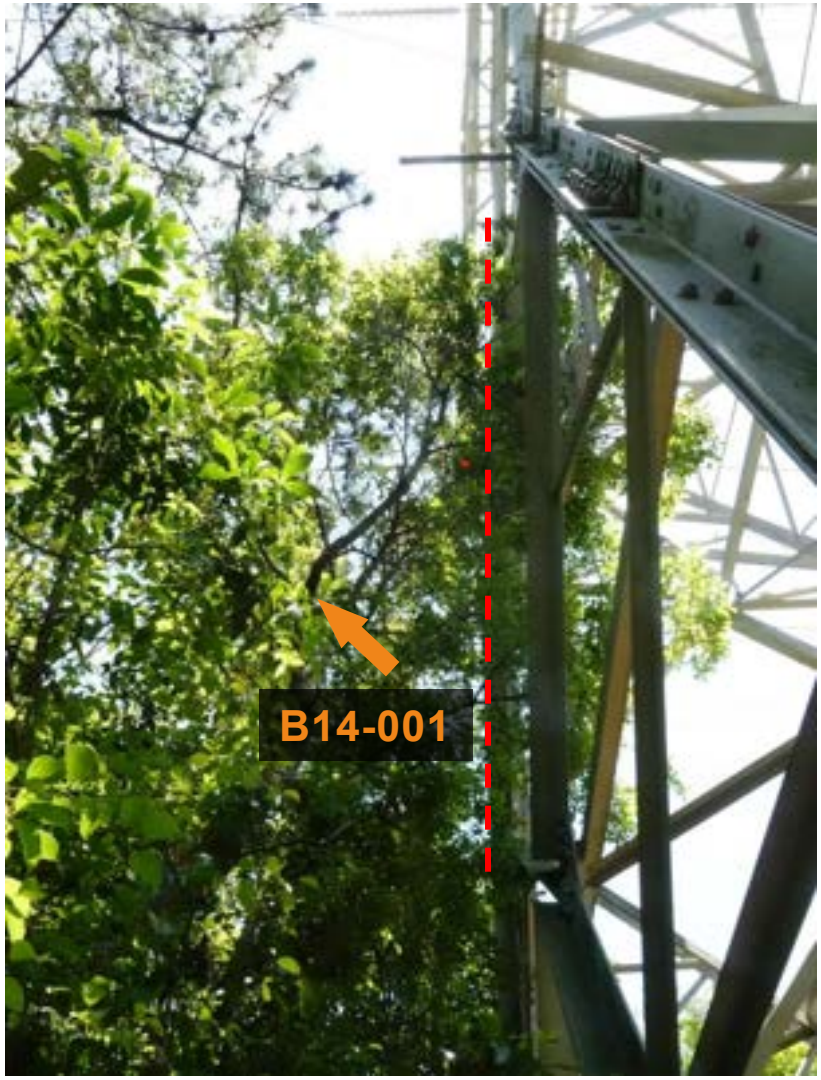


Figure D2.13a

Site Photo Showing Trees that Will Be Affected at Pylon B14

DATE: October 2022

Environmental Resources Management

ERM

Tree No.	*Scientific name*	Chinese name	Tree height (m)	Trunk diameter (mm)	Tree crown spread (m)	Form (Good/Fair/ Poor)	Health condition (Good/Fair/ Poor)	Structural condition (Good/Fair/ Poor)	Anticipated survival rate after transplanting (High/ Medium/ Low)	Recommendation (Retain/Fell/ Transplant)	Remarks (including justification for proposed tree removal, precious or rare or endangered species etc.)
HKE-B15-001	*Garcinia oblongifolia*	黃牙果	7	138	2	F	P	F	L	Retain	Leaves loss
HKE-B15-002	*Polyspora axillaris*	大頭茶	6	190	4	F	F	F	L	Retain	Multi-trunk
HKE-B15-003	*Elaeocarpus sylvestris*	山杜英	8	149	4	F	F	F	L	Retain	
HKE-B15-004	*Pinus massoniana*	馬尾松	10	240	5	F	F	F	L	Retain	dead branches, leaning
HKE-B15-005	*Pinus massoniana*	馬尾松	10	286	6	F	F	F	L	Retain	dead branches
HKE-B15-006	*Machilus chekiangensis*	浙江潤楠	9	170	4.5	F	F	F	L	Retain	climber on tree
HKE-B15-007	*Pinus massoniana*	馬尾松	6	168	3	F	P	F	L	Retain	
HKE-B15-008	*Pinus massoniana*	馬尾松	7	103	2	F	F	F	L	Retain	climber on trunk
HKE-B15-009	*Canthium dicoccum*	魚骨木	7	172	4	F	F	F	L	Retain	
HKE-B15-011	*Elaeocarpus sylvestris*	山杜英	7	220	5	F	F	F	L	Retain	multi-trunk
HKE-B15-012	*Litsea cubeba*	木薑子	7	110	4	F	F	F	L	Fell	
HKE-B15-013	*Canthium dicoccum*	魚骨木	5	120	2	F	F	F	L	Retain	

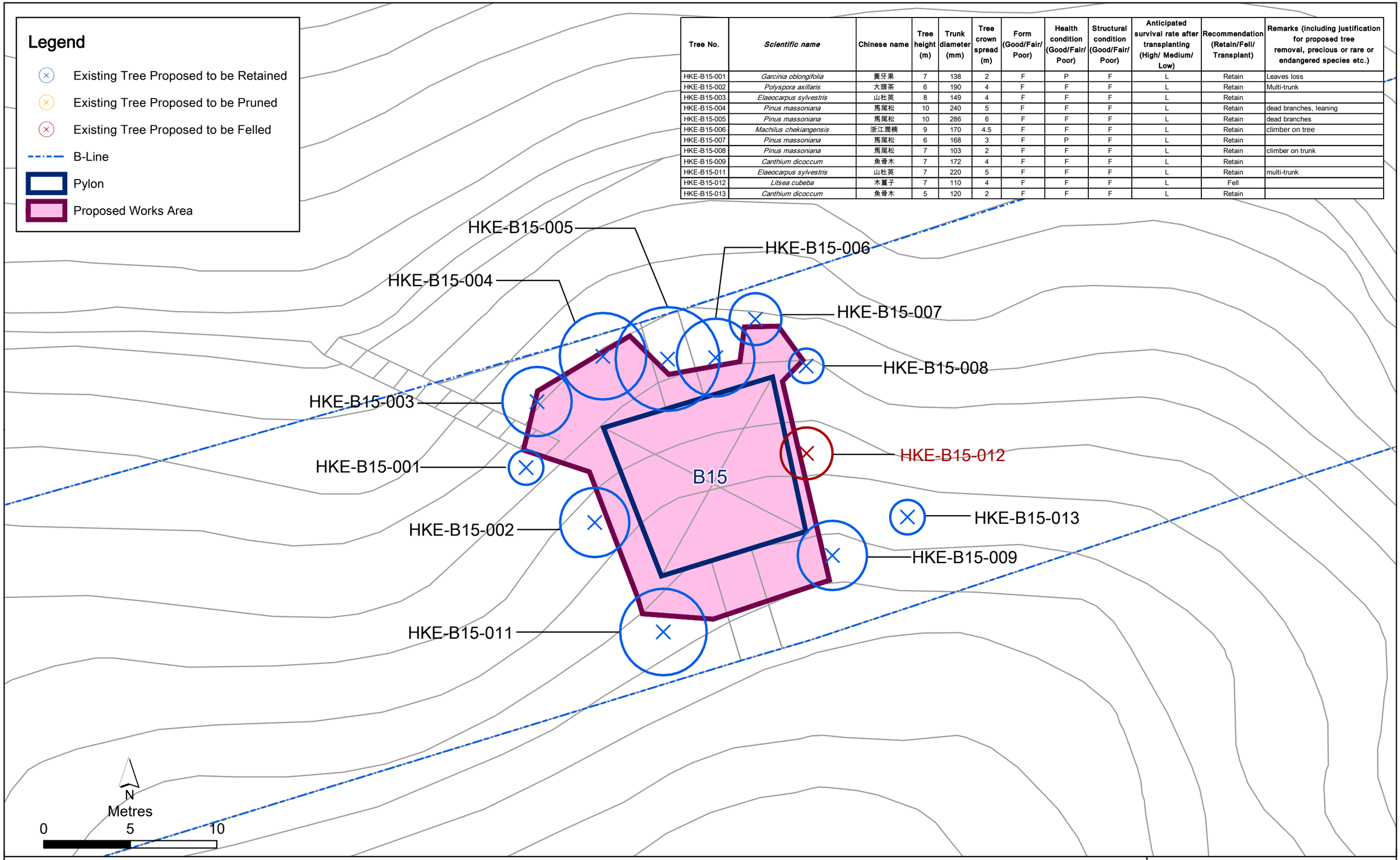


Figure D2.14

Trees Adjacent to the Proposed Works Area at Pylon B15

File: T:\GIS\CONTRACT\0643361\mxd\Tree_Survey\0643361_Tree_Survey_B15.mxd
Date: 24/10/2023

Environmental Resources Management

ERM

HKE-B15-012: Tree to be felled

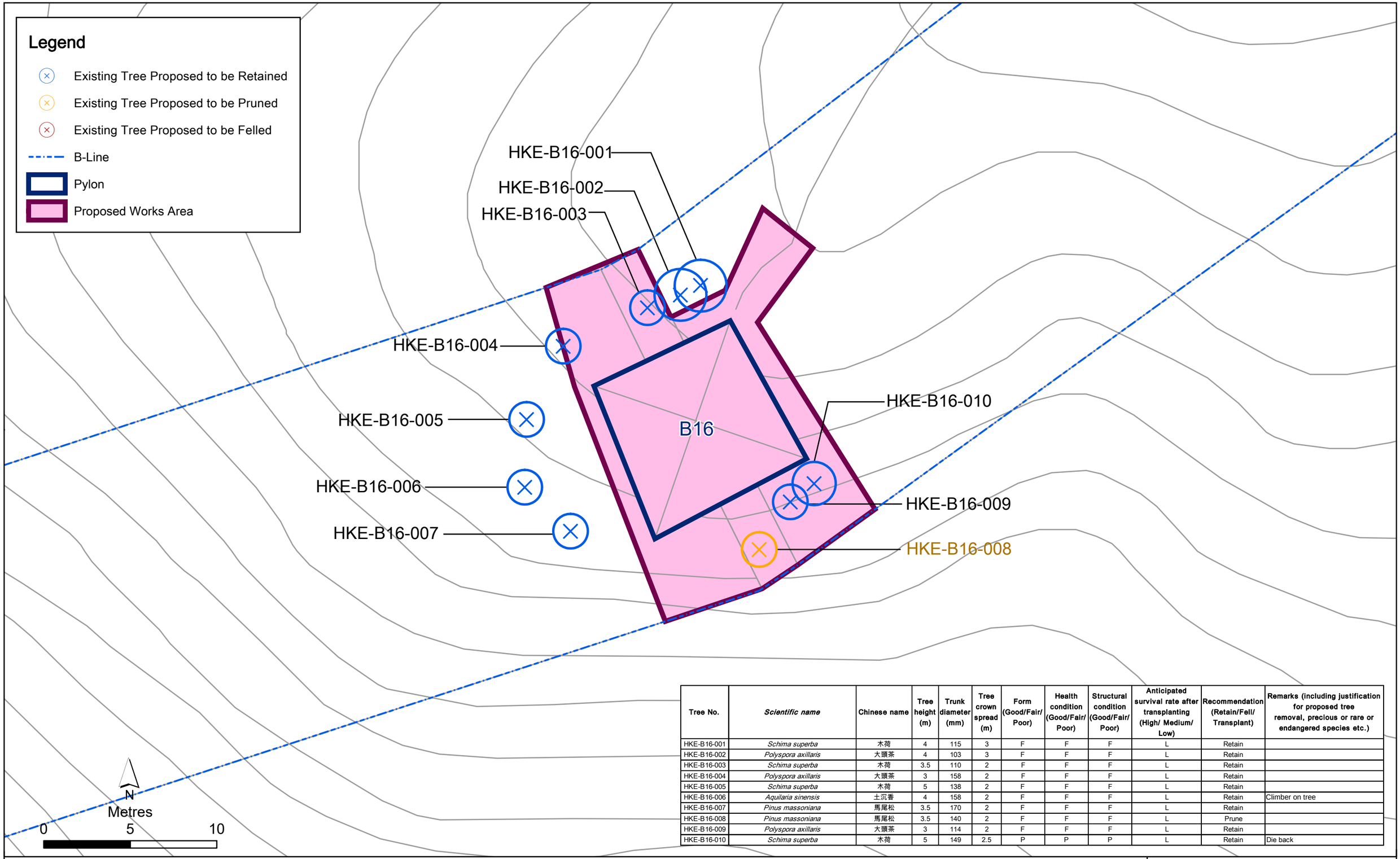
Figure D2.14a

Site Photo Showing Trees that Will Be Affected at Pylon B15

DATE: May 2023

Environmental Resources Management

ERM



Tree No.	*Scientific name*	Chinese name	Tree height (m)	Trunk diameter (mm)	Tree crown spread (m)	Form (Good/Fair/ Poor)	Health condition (Good/Fair/ Poor)	Structural condition (Good/Fair/ Poor)	Anticipated survival rate after transplanting (High/ Medium/ Low)	Recommendation (Retain/Fell/ Transplant)	Remarks (including justification for proposed tree removal, precious or rare or endangered species etc.)
HKE-B16-001	*Schima superba*	木荷	4	115	3	F	F	F	L	Retain	
HKE-B16-002	*Polyspora axillaris*	大頭茶	4	103	3	F	F	F	L	Retain	
HKE-B16-003	*Schima superba*	木荷	3.5	110	2	F	F	F	L	Retain	
HKE-B16-004	*Polyspora axillaris*	大頭茶	3	158	2	F	F	F	L	Retain	
HKE-B16-005	*Schima superba*	木荷	5	138	2	F	F	F	L	Retain	
HKE-B16-006	*Aquilaria sinensis*	土沉香	4	158	2	F	F	F	L	Retain	Climber on tree
HKE-B16-007	*Pinus massoniana*	馬尾松	3.5	170	2	F	F	F	L	Retain	
HKE-B16-008	*Pinus massoniana*	馬尾松	3.5	140	2	F	F	F	L	Prune	
HKE-B16-009	*Polyspora axillaris*	大頭茶	3	114	2	F	F	F	L	Retain	
HKE-B16-010	*Schima superba*	木荷	5	149	2.5	P	P	P	L	Retain	Die back

Figure D2.15

Trees Adjacent to the Proposed Works Area at Pylon B16

File: T:\GIS\CONTRACT\0643361\mxd\Tree_Survey\0643361_Tree_Survey_B16.mxd
Date: 24/10/2023

Environmental Resources Management

ERM

HKE-B16-008: Tree pruning required

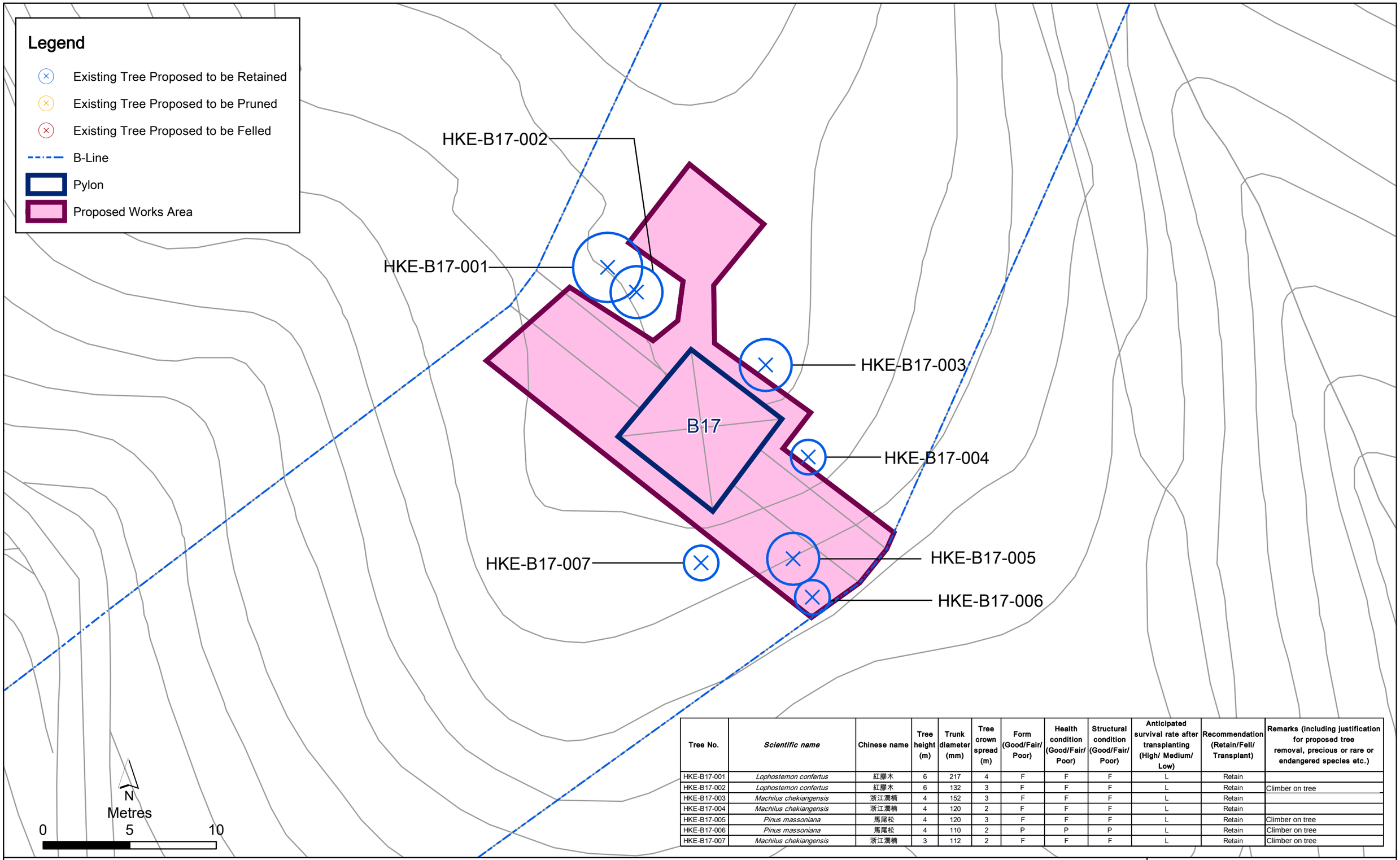
Figure D2.15a

Site Photo Showing Trees that Will Be Affected at Pylon B16

DATE: October 2022

Environmental Resources Management

ERM



Tree No.	*Scientific name*	Chinese name	Tree height (m)	Trunk diameter (mm)	Tree crown spread (m)	Form (Good/Fair/ Poor)	Health condition (Good/Fair/ Poor)	Structural condition (Good/Fair/ Poor)	Anticipated survival rate after transplanting (High/ Medium/ Low)	Recommendation (Retain/Fell/ Transplant)	Remarks (including justification for proposed tree removal, precious or rare or endangered species etc.)
HKE-B17-001	*Lophostemon confertus*	紅膠木	6	217	4	F	F	F	L	Retain	
HKE-B17-002	*Lophostemon confertus*	紅膠木	6	132	3	F	F	F	L	Retain	Climber on tree
HKE-B17-003	*Machilus chekiangensis*	浙江潤楠	4	152	3	F	F	F	L	Retain	
HKE-B17-004	*Machilus chekiangensis*	浙江潤楠	4	120	2	F	F	F	L	Retain	
HKE-B17-005	*Pinus massoniana*	馬尾松	4	120	3	F	F	F	L	Retain	Climber on tree
HKE-B17-006	*Pinus massoniana*	馬尾松	4	110	2	P	P	P	L	Retain	Climber on tree
HKE-B17-007	*Machilus chekiangensis*	浙江潤楠	3	112	2	F	F	F	L	Retain	Climber on tree

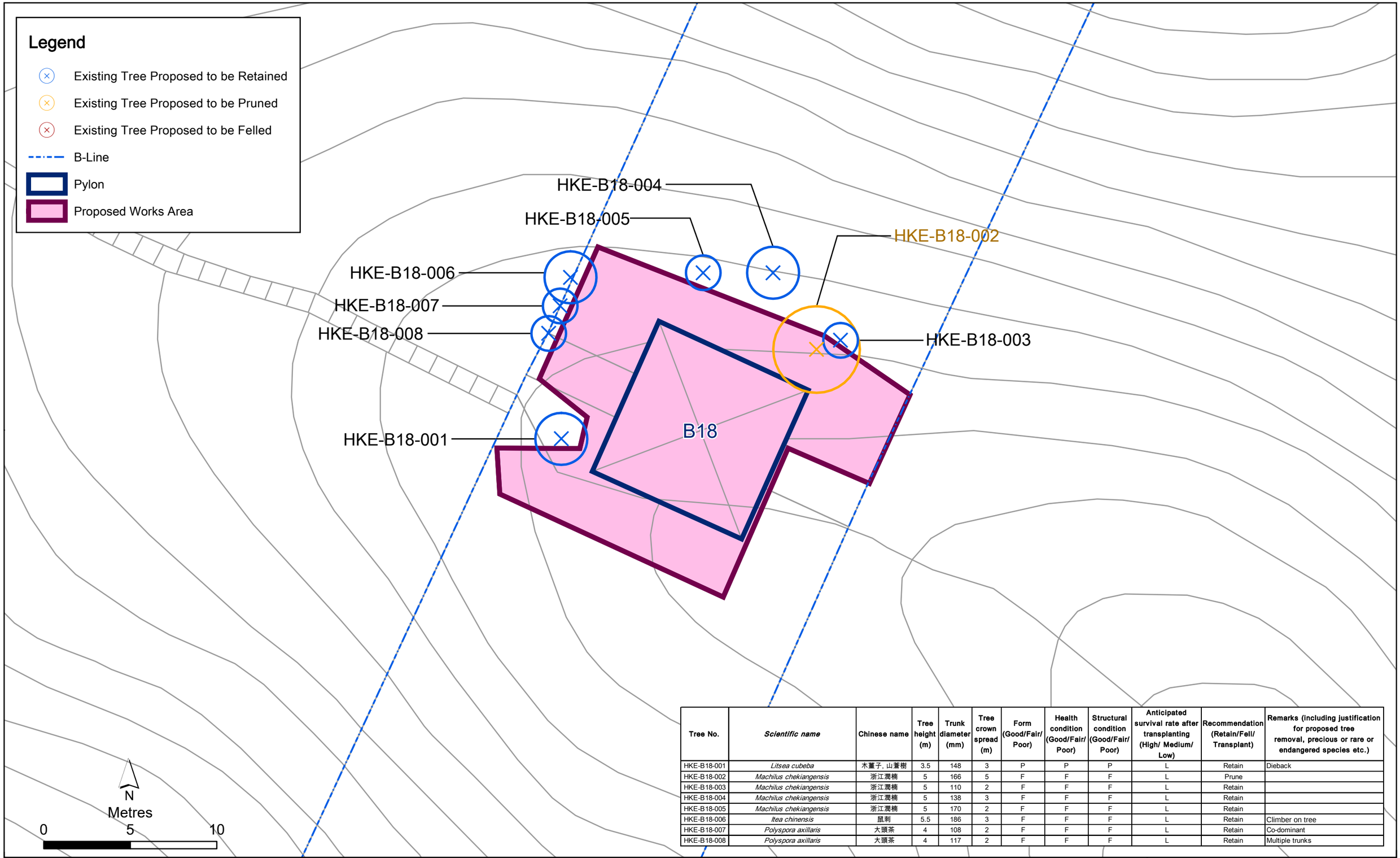
Figure D2.16

Trees Adjacent to the Proposed Works Area at Pylon B17

File: T:\GIS\CONTRACT\0643361\mxd\Tree_Survey\0643361_Tree_Survey_B17.mxd
Date: 24/10/2023

Environmental Resources Management

ERM



Tree No.	*Scientific name*	Chinese name	Tree height (m)	Trunk diameter (mm)	Tree crown spread (m)	Form (Good/Fair/ Poor)	Health condition (Good/Fair/ Poor)	Structural condition (Good/Fair/ Poor)	Anticipated survival rate after transplanting (High/ Medium/ Low)	Recommendation (Retain/Fell/ Transplant)	Remarks (including justification for proposed tree removal, precious or rare or endangered species etc.)
HKE-B18-001	*Litsea cubeba*	木薑子, 山蒼樹	3.5	148	3	P	P	P	L	Retain	Dieback
HKE-B18-002	*Machilus chekiangensis*	浙江潤楠	5	166	5	F	F	F	L	Prune	
HKE-B18-003	*Machilus chekiangensis*	浙江潤楠	5	110	2	F	F	F	L	Retain	
HKE-B18-004	*Machilus chekiangensis*	浙江潤楠	5	138	3	F	F	F	L	Retain	
HKE-B18-005	*Machilus chekiangensis*	浙江潤楠	5	170	2	F	F	F	L	Retain	
HKE-B18-006	*Itea chinensis*	鼠刺	5.5	186	3	F	F	F	L	Retain	Climber on tree
HKE-B18-007	*Polyspora axillaris*	大頭茶	4	108	2	F	F	F	L	Retain	Co-dominant
HKE-B18-008	*Polyspora axillaris*	大頭茶	4	117	2	F	F	F	L	Retain	Multiple trunks

Figure D2.17

Trees Adjacent to the Proposed Works Area at Pylon B18

File: T:\GIS\CONTRACT\0643361\mxd\Tree_Survey\0643361_Tree_Survey_B18.mxd
Date: 24/10/2023

Environmental Resources Management

ERM

HKE-B18-002: Tree pruning required

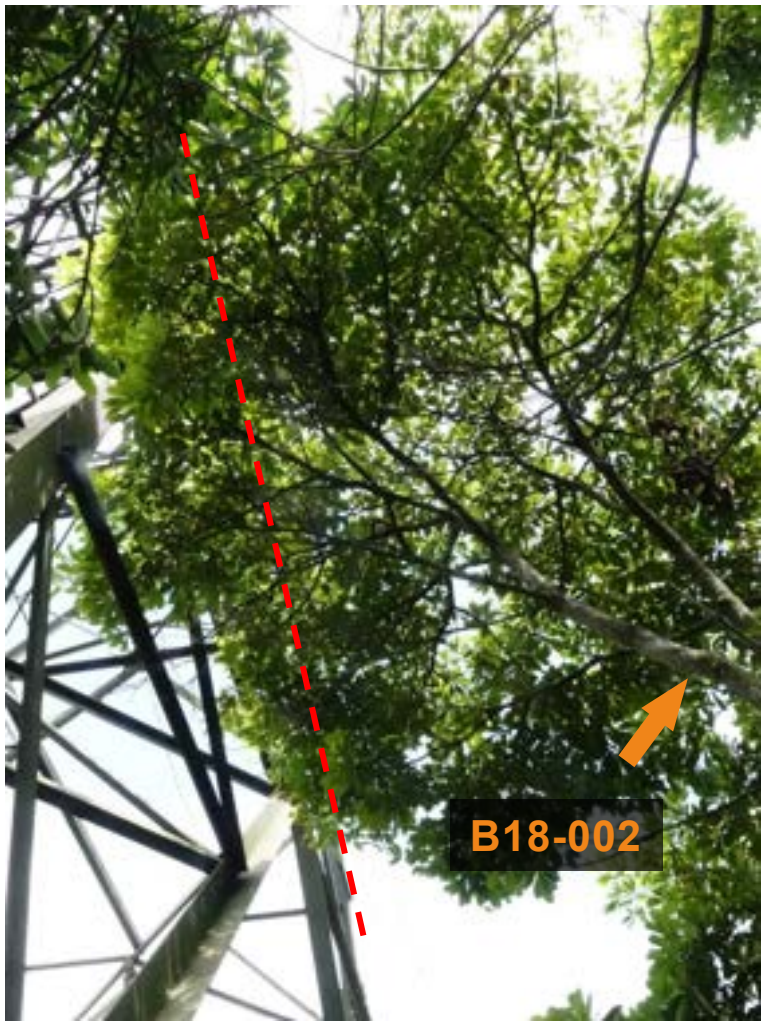


Figure D2.17a

Site Photo Showing Trees that Will Be Affected at Pylon B18

DATE: October 2022

Environmental Resources Management

ERM

Legend

- Existing Tree Proposed to be Retained
- Existing Tree Proposed to be Pruned
- Existing Tree Proposed to be Felled
- Dead Tree to be Removed
- B-Line
- Pylon
- Proposed Works Area

Tree No.	*Scientific name*	Chinese name	Tree height (m)	Trunk diameter (mm)	Tree crown spread (m)	Form (Good/Fair/ Poor)	Health condition (Good/Fair/ Poor)	Structural condition (Good/Fair/ Poor)	Anticipated survival rate after transplanting (High/ Medium/ Low)	Recommendation (Retain/Fell/ Transplant)	Remarks (including justification for proposed tree removal, precious or rare or endangered species etc.)
HKE-B19-001	*Machilus chekiangensis*	浙江潤楠	7	136	5	F	F	F	L	Retain	
HKE-B19-002	*Schefflera heptaphylla*	鴨腳木	6	196	4	F	F	F	M	Retain	multi-trunk
HKE-B19-003	*Schefflera heptaphylla*	鴨腳木	6.5	143	4.5	F	F	F	M	Retain	
HKE-B19-004	*Machilus chekiangensis*	浙江潤楠	7	117	4	F	F	F	L	Retain	
HKE-B19-006	*Litsea cubeba*	木薑子	8	174	6	F	F	F	L	Prune	
HKE-B19-007	*Machilus chekiangensis*	浙江潤楠	7.5	221	4	F	F	F	L	Retain	multi-trunk
HKE-B19-008	*Machilus chekiangensis*	浙江潤楠	6	136	4	F	F	F	L	Retain	
HKE-B19-009	*Machilus chekiangensis*	浙江潤楠	7.5	186	4	F	F	F	L	Retain	multi-trunk
HKE-B19-010	*Reevesia thyrsoidea*	梭羅樹	5.5	99	2	P	F	F	L	Retain	Climber on tree
HKE-B19-011	*Polyspora axillaris*	大頭茶	5.5	124	4	F	F	F	L	Retain	multi-trunk
HKE-B19-012	*Litsea cubeba*	木薑子	7	96	5	F	P	F	L	Retain	leaning
HKE-B19-013	*Litsea cubeba*	木薑子	8	132	5	F	P	F	L	-	The dead trees will be cut to a level above ground to remove the falling risk and the cut trees will be placed in the vicinity where would not block the access.
HKE-B19-014	*Machilus chekiangensis*	浙江潤楠	6	260	5	P	F	P	L	-	The dead trees will be cut to a level above ground to remove the falling risk and the cut trees will be placed in the vicinity where would not block the access.
HKE-B19-015	*Litsea rotundifolia var. oblongifolia*	豺皮樟	8	110	4	F	F	F	L	Retain	multi-trunk
HKE-B19-016	*Machilus chekiangensis*	浙江潤楠	7	200	4	F	F	F	L	Retain	multi-trunk
HKE-B19-017	*Machilus chekiangensis*	浙江潤楠	7	229	3	F	F	F	L	Retain	multi-trunk
HKE-B19-018	*Machilus chekiangensis*	浙江潤楠	11	151	2.5	F	F	F	L	Retain	
HKE-B19-019	*Machilus chekiangensis*	浙江潤楠	9	143	3	F	F	F	L	Retain	
HKE-B19-020	*Machilus chekiangensis*	浙江潤楠	10	95	3	F	F	F	L	Retain	

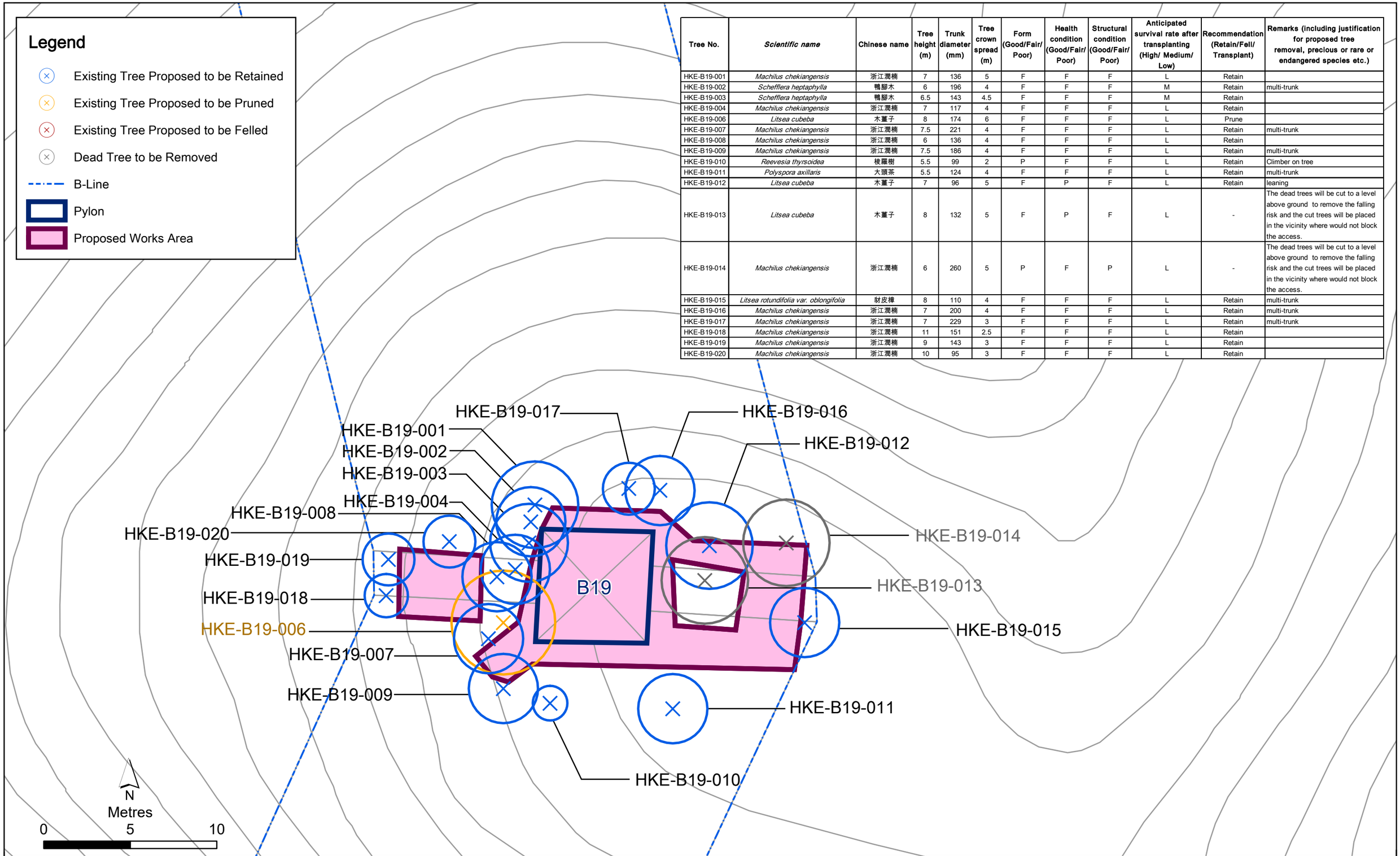


Figure D2.18

Trees Adjacent to the Proposed Works Area at Pylon B19

File: T:\GIS\CONTRACT\0643361\mxd\Tree_Survey\0643361_Tree_Survey_B19.mxd
Date: 1/11/2023

Environmental Resources Management

ERM

HKE-B19-006: Tree pruning required

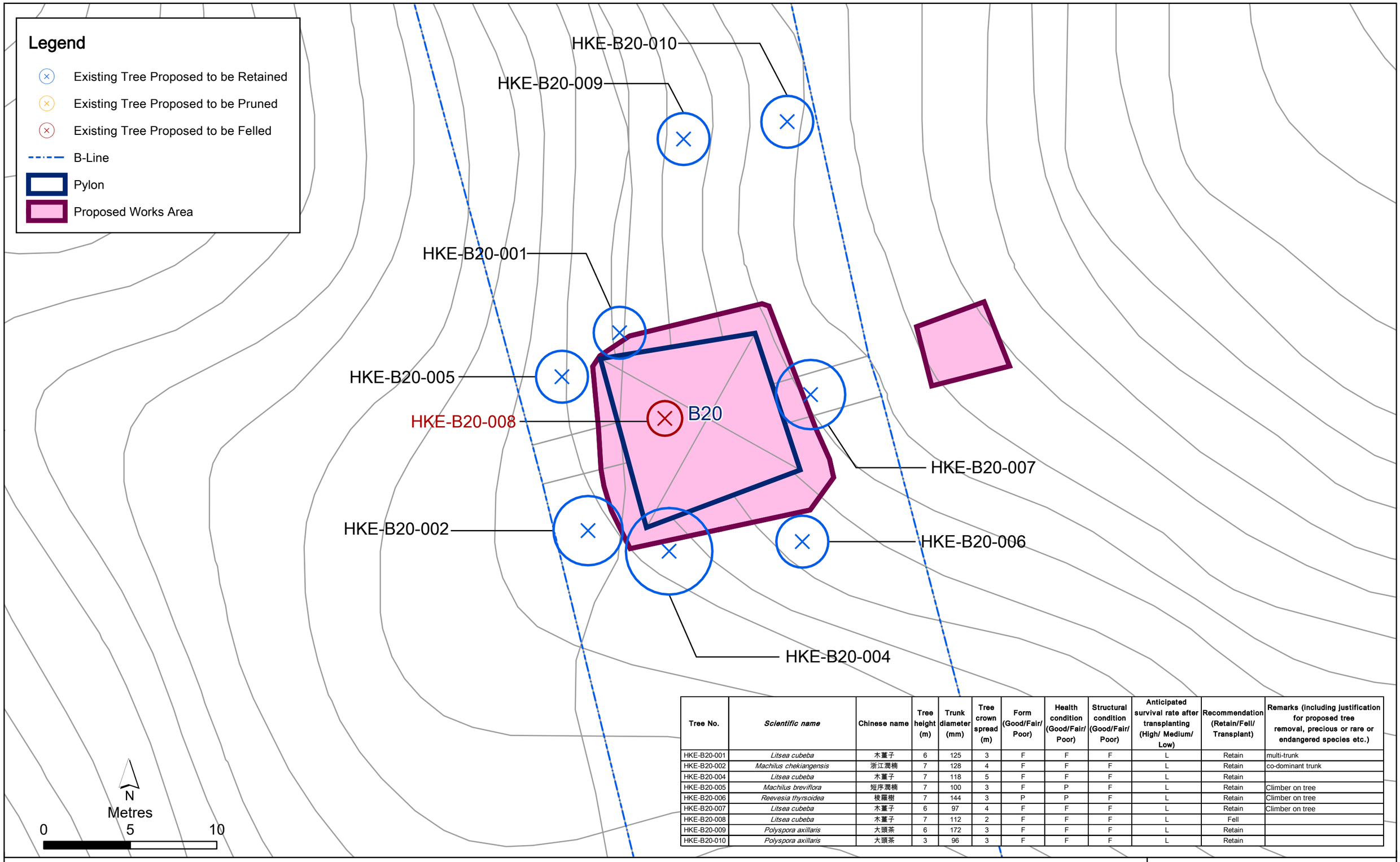
Figure D2.18a

Site Photo Showing Trees that Will Be Affected at Pylon B19

DATE: October 2022

Environmental Resources Management

ERM



Tree No.	*Scientific name*	Chinese name	Tree height (m)	Trunk diameter (mm)	Tree crown spread (m)	Form (Good/Fair/ Poor)	Health condition (Good/Fair/ Poor)	Structural condition (Good/Fair/ Poor)	Anticipated survival rate after transplanting (High/ Medium/ Low)	Recommendation (Retain/Fell/ Transplant)	Remarks (including justification for proposed tree removal, precious or rare or endangered species etc.)
HKE-B20-001	*Litsea cubeba*	木薑子	6	125	3	F	F	F	L	Retain	multi-trunk
HKE-B20-002	*Machilus chekiangensis*	浙江潤楠	7	128	4	F	F	F	L	Retain	co-dominant trunk
HKE-B20-004	*Litsea cubeba*	木薑子	7	118	5	F	F	F	L	Retain	
HKE-B20-005	*Machilus breviflora*	短序潤楠	7	100	3	F	P	F	L	Retain	Climber on tree
HKE-B20-006	*Reevesia thyrsoidea*	梭羅樹	7	144	3	P	P	F	L	Retain	Climber on tree
HKE-B20-007	*Litsea cubeba*	木薑子	6	97	4	F	F	F	L	Retain	Climber on tree
HKE-B20-008	*Litsea cubeba*	木薑子	7	112	2	F	F	F	L	Fell	
HKE-B20-009	*Polyspora axillaris*	大頭茶	6	172	3	F	F	F	L	Retain	
HKE-B20-010	*Polyspora axillaris*	大頭茶	3	96	3	F	F	F	L	Retain	

Figure D2.19

Trees Adjacent to the Proposed Works Area at Pylon B20

File: T:\GIS\CONTRACT\0643361\mxd\Tree_Survey\0643361_Tree_Survey_B20.mxd
Date: 11/8/2023

Environmental Resources Management

ERM

HKE-B20-008: Tree to be felled

Figure D2.19a

Site Photo Showing Trees that Will Be Affected at Pylon B20

DATE: May 2023

Environmental Resources Management

ERM

Tree No.	*Scientific name*	Chinese name	Tree height (m)	Trunk diameter (mm)	Tree crown spread (m)	Form (Good/Fair/ Poor)	Health condition (Good/Fair/ Poor)	Structural condition (Good/Fair/ Poor)	Anticipated survival rate after transplanting (High/ Medium/ Low)	Recommendation (Retain/Fell/ Transplant)	Remarks (including justification for proposed tree removal, precious or rare or endangered species etc.)
HKE-B21-001	*Machilus chekiangensis*	浙江潤楠	7	226	6	F	F	F	L	Retain	multi-trunk
HKE-B21-002	*Machilus chekiangensis*	浙江潤楠	6	121	3	F	F	F	L	Retain	
HKE-B21-003	*Machilus chekiangensis*	浙江潤楠	7	100	5	F	F	F	L	Retain	multi-trunk
HKE-B21-004	*Machilus chekiangensis*	浙江潤楠	7	171	6	F	F	F	L	Retain	co-dominant
HKE-B21-005	*Machilus chekiangensis*	浙江潤楠	7	127	5	F	F	F	L	Retain	Climber on tree
HKE-B21-006	*Litsea cubeba*	木薑子	6	152	5	F	F	F	L	Prune	multi-trunk
HKE-B21-007	*Machilus chekiangensis*	浙江潤楠	7	137	5	F	F	F	L	Retain	multi-trunk
HKE-B21-008	*Machilus chekiangensis*	浙江潤楠	7	144	5	F	F	F	L	Retain	Multi-trunk, climber on tree
HKE-B21-009	*Litsea cubeba*	木薑子	7	76	6	F	F	F	L	Prune	multi-trunk

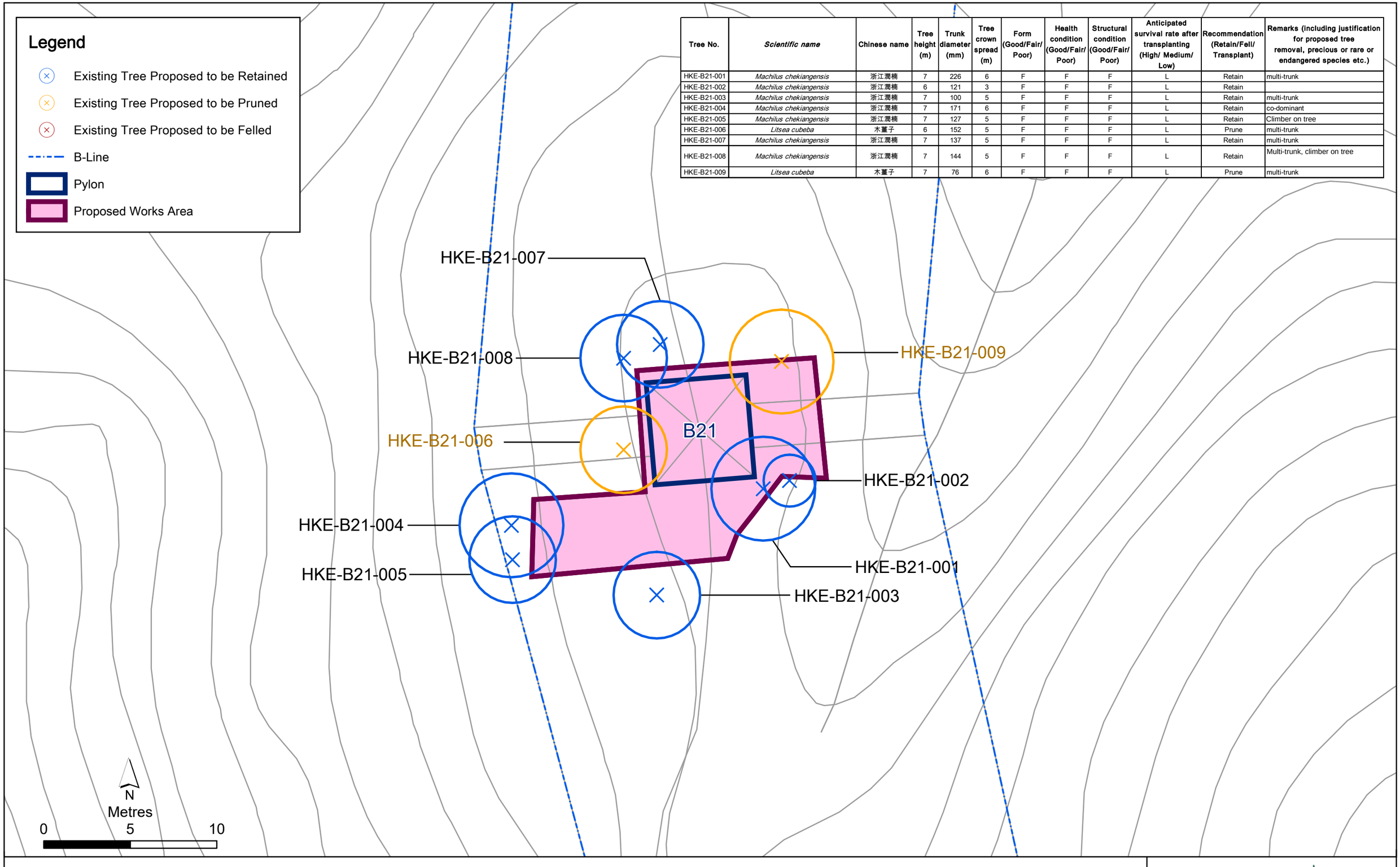


Figure D2.20

Trees Adjacent to the Proposed Works Area at Pylon B21

File: T:\GIS\CONTRACT\0643361\mxd\Tree_Survey\0643361_Tree_Survey_B21.mxd
Date: 24/10/2023

Environmental Resources Management

ERM

HKE-B21-006: Tree pruning required

Figure D2.20a

Site Photo Showing Trees that Will Be Affected at Pylon B21

DATE: October 2022

Environmental Resources Management

ERM

HKE-B21-009: Tree pruning required

Figure D2.20b

Site Photo Showing Trees that Will Be Affected at Pylon B21

DATE: October 2022

Environmental Resources Management

ERM

Legend

- Existing Tree Proposed to be Retained
- Existing Tree Proposed to be Pruned
- Existing Tree Proposed to be Felled
- Dead Tree to be Removed
- B-Line
- Pylon
- Proposed Works Area

Tree No.	*Scientific name*	Chinese name	Tree height (m)	Trunk diameter (mm)	Tree crown spread (m)	Form (Good/Fair/ Poor)	Health condition (Good/Fair/ Poor)	Structural condition (Good/Fair/ Poor)	Anticipated survival rate after transplanting (High/ Medium/ Low)	Recommendation (Retain/Fell/ Transplant)	Remarks (including justification for proposed tree removal, precious or rare or endangered species etc.)
HKE-B22-001	*Litsea cubeba*	木薑子	8	133	6	F	F	F	L	Retain	on slope
HKE-B22-002	*Acronychia pedunculata*	山油柑	5	98	4	F	F	F	L	Retain	multi-trunk
HKE-B22-003	*Machilus chekiangensis*	浙江潤楠	7	100	4	F	F	F	L	Prune	
HKE-B22-005	*Machilus chekiangensis*	浙江潤楠	7	96	4	F	F	F	L	Prune	
HKE-B22-006	*Ficus variegata*	青果榕	6	103	3	F	F	F	L	-	The dead trees will be cut to a level above ground to remove the falling risk and the cut trees will be placed in the vicinity where would not block the access.
HKE-B22-007	*Machilus chekiangensis*	浙江潤楠	6	105	3	F	F	F	L	Prune	

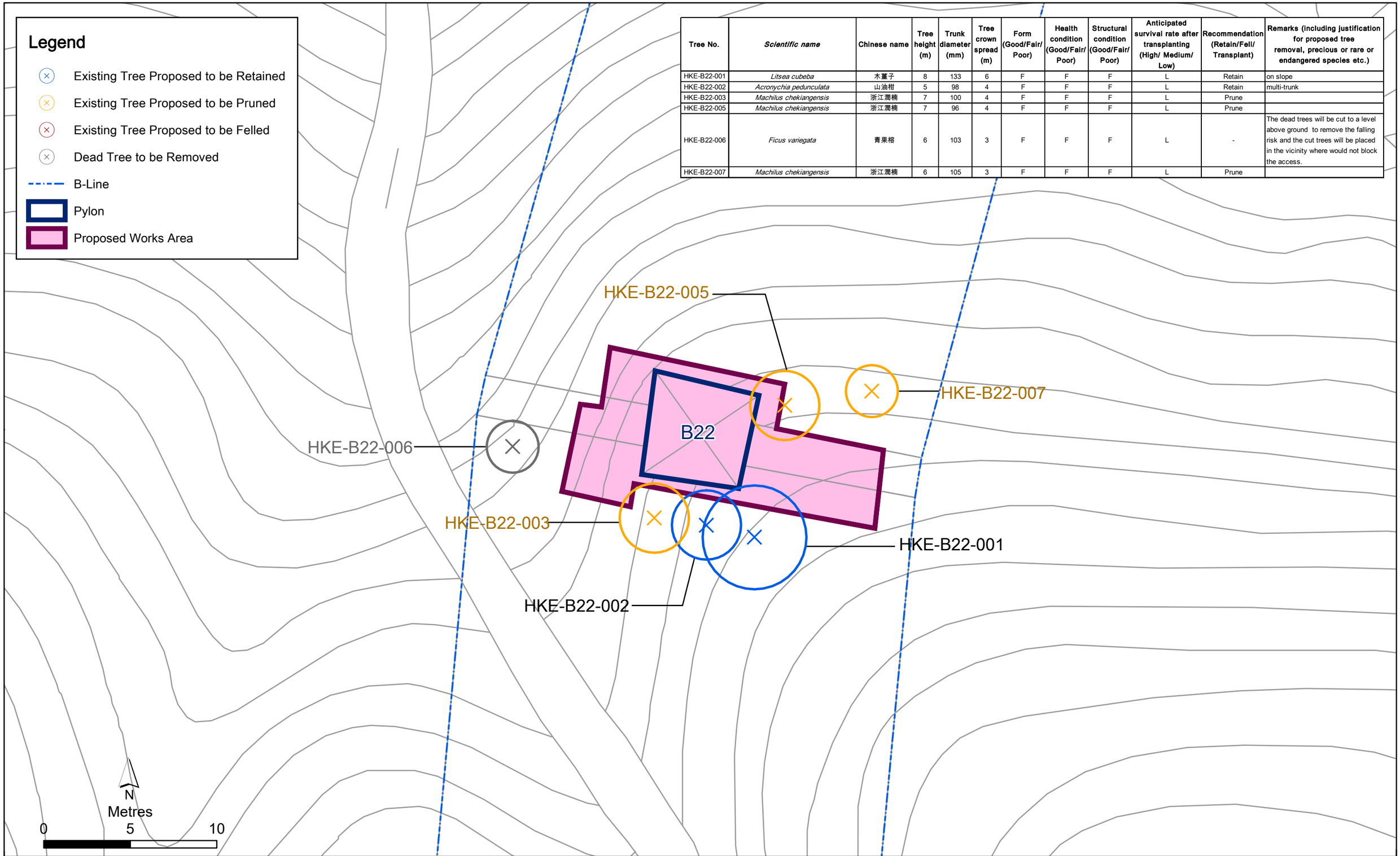


Figure D2.21

Trees Adjacent to the Proposed Works Area at Pylon B22

File: T:\GIS\CONTRACT\0643361\mxd\Tree_Survey\0643361_Tree_Survey_B22.mxd
Date: 1/11/2023

Environmental Resources Management

ERM

HKE-B22-003: Tree pruning required

Figure D2.21a

Site Photo Showing Trees that Will Be Affected at Pylon B22

DATE: October 2022

Environmental Resources Management

ERM

HKE-B22-005: Tree pruning required

HKE-B22-007: Tree pruning required

Figure D2.21b

Site Photo Showing Trees that Will Be Affected at Pylon B22

DATE: October 2022

Environmental Resources Management

ERM

Legend

- Existing Tree Proposed to be Retained
- Existing Tree Proposed to be Pruned
- Existing Tree Proposed to be Felled
- B-Line
- Pylon
- Proposed Works Area

Tree No.	*Scientific name*	Chinese name	Tree height (m)	Trunk diameter (mm)	Tree crown spread (m)	Form (Good/Fair/ Poor)	Health condition (Good/Fair/ Poor)	Structural condition (Good/Fair/ Poor)	Anticipated survival rate after transplanting (High/ Medium/ Low)	Recommendation (Retain/Fell/ Transplant)	Remarks (including justification for proposed tree removal, precious or rare or endangered species etc.)
HKE-B23-001	*Machilus chekiangensis*	浙江潤楠	7	160	4	F	F	F	L	Retain	
HKE-B23-002	*Elaeocarpus sylvestris*	山杜英	7	116	3	F	F	F	L	Retain	Climber on tree
HKE-B23-003	*Machilus chekiangensis*	浙江潤楠	7	101	4	F	F	F	L	Retain	
HKE-B23-004	*Machilus chekiangensis*	浙江潤楠	7	120	4	F	F	F	L	Retain	
HKE-B23-005	*Aporosa dioica*	銀柴	6	95	3	F	F	F	L	Retain	climber on tree
HKE-B23-006	*Elaeocarpus sylvestris*	山杜英	7	260	4	F	F	F	L	Retain	
HKE-B23-008	*Machilus chekiangensis*	浙江潤楠	7	140	5	F	F	F	L	Retain	climber on tree

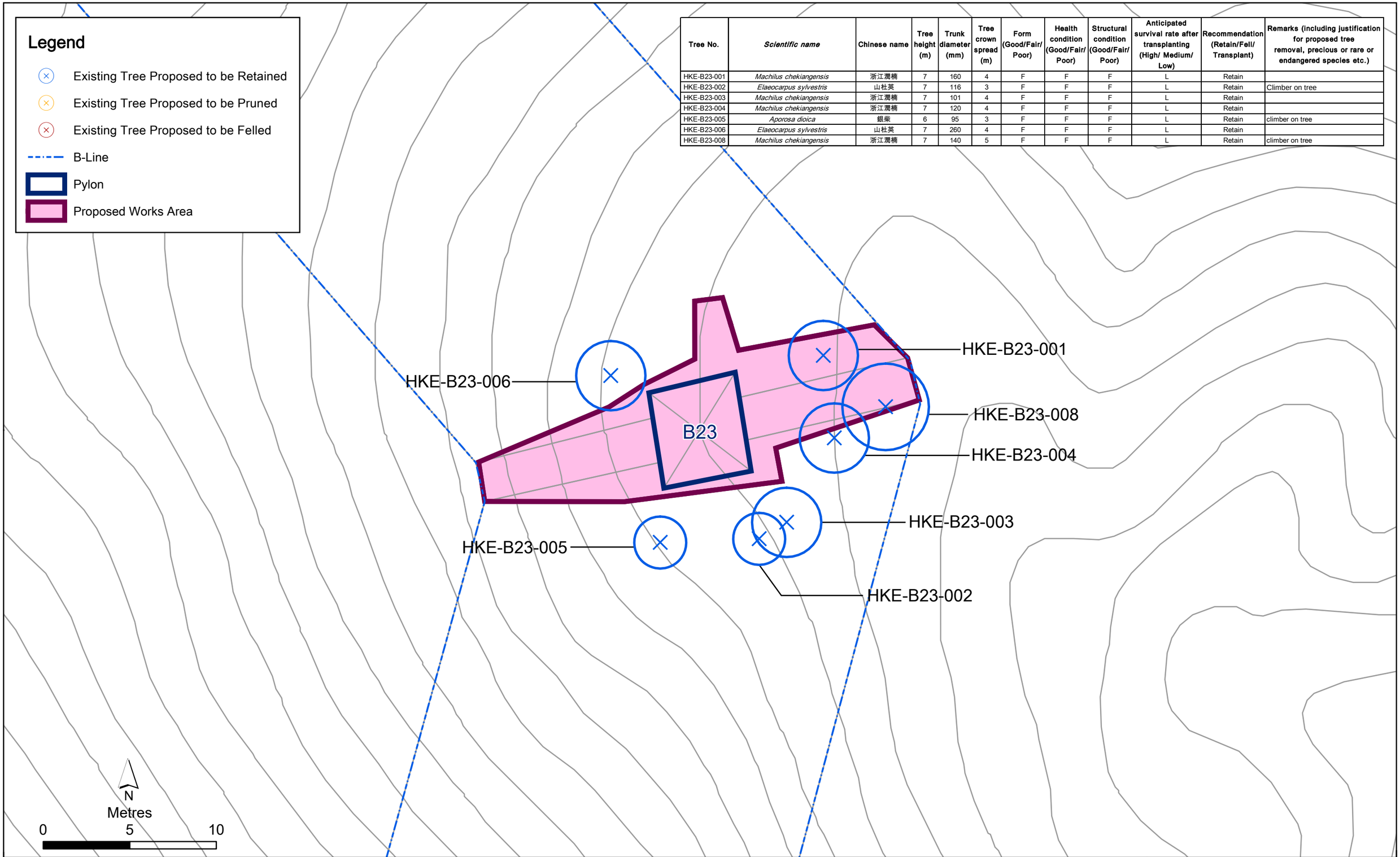


Figure D2.22

Trees Adjacent to the Proposed Works Area at Pylon B23

File: T:\GIS\CONTRACT\0643361\mxd\Tree_Survey\0643361_Tree_Survey_B23.mxd
Date: 24/10/2023

Environmental Resources Management

ERM

Tree No.	*Scientific name*	Chinese name	Tree height (m)	Trunk diameter (mm)	Tree crown spread (m)	Form (Good/Fair/ Poor)	Health condition (Good/Fair/ Poor)	Structural condition (Good/Fair/ Poor)	Anticipated survival rate after transplanting (High/ Medium/ Low)	Recommendation (Retain/Fell/ Transplant)	Remarks (including justification for proposed tree removal, precious or rare or endangered species etc.)
HKE-B24-001	*Polyspora axillaris*	大頭茶	6	165	3	P	F	P	L	Retain	co-dominant, wound on trunk
HKE-B24-002	*Polyspora axillaris*	大頭茶	4	123	3	F	F	P	L	Retain	multi-trunk from base
HKE-B24-003	*Garcinia oblongifolia*	黃牙果	4	148	3	P	P	P	L	Retain	multi-trunk
HKE-B24-004	*Acronychia pedunculata*	山油柑	4	110	3	F	G	F	L	Retain	multi-trunk

Legend

- Existing Tree Proposed to be Retained
- Existing Tree Proposed to be Pruned
- Existing Tree Proposed to be Felled
- B-Line
- Pylon
- Proposed Works Area

HKE-B24-002

HKE-B24-001

B24

HKE-B24-004

HKE-B24-003

N

Metres

0 5 10

Figure D2.23

Trees Adjacent to the Proposed Works Area at Pylon B24

File: T:\GIS\CONTRACT\0643361\mxd\Tree_Survey\0643361_Tree_Survey_B24.mxd
Date: 24/10/2023

Environmental Resources Management

ERM

Tree No.	*Scientific name*	Chinese name	Tree height (m)	Trunk diameter (mm)	Tree crown spread (m)	Form (Good/Fair/ Poor)	Health condition (Good/Fair/ Poor)	Structural condition (Good/Fair/ Poor)	Anticipated survival rate after transplanting (High/ Medium/ Low)	Recommendation (Retain/Fell/ Transplant)	Remarks (including justification for proposed tree removal, precious or rare or endangered species etc.)
HKE-B25-001	*Cinnamomum parthenoxylon*	黃樟	8	235	5	F	F	F	L	Retain	
HKE-B25-002	*Machilus chekiangensis*	浙江潤楠	7	227	5	F	F	F	L	Retain	multi-trunk
HKE-B25-003	*Aquilaria sinensis*	土沉香	5	205	3	F	F	F	L	Retain	
HKE-B25-004	*Machilus chekiangensis*	浙江潤楠	6	120	3	F	F	F	L	Retain	
HKE-B25-005	*Reevesia thyrsoidea*	梭羅樹	7	215	4	F	F	F	L	Retain	multi-trunk
HKE-B25-006	*Machilus chekiangensis*	浙江潤楠	7	250	4	F	F	F	L	Retain	forked

Legend

- Existing Tree Proposed to be Retained
- Existing Tree Proposed to be Pruned
- Existing Tree Proposed to be Felled
- B-Line
- Pylon
- Proposed Works Area

HKE-B25-004
HKE-B25-005
HKE-B25-006
HKE-B25-001
B25
HKE-B25-003
HKE-B25-002

N
Metres
0 5 10

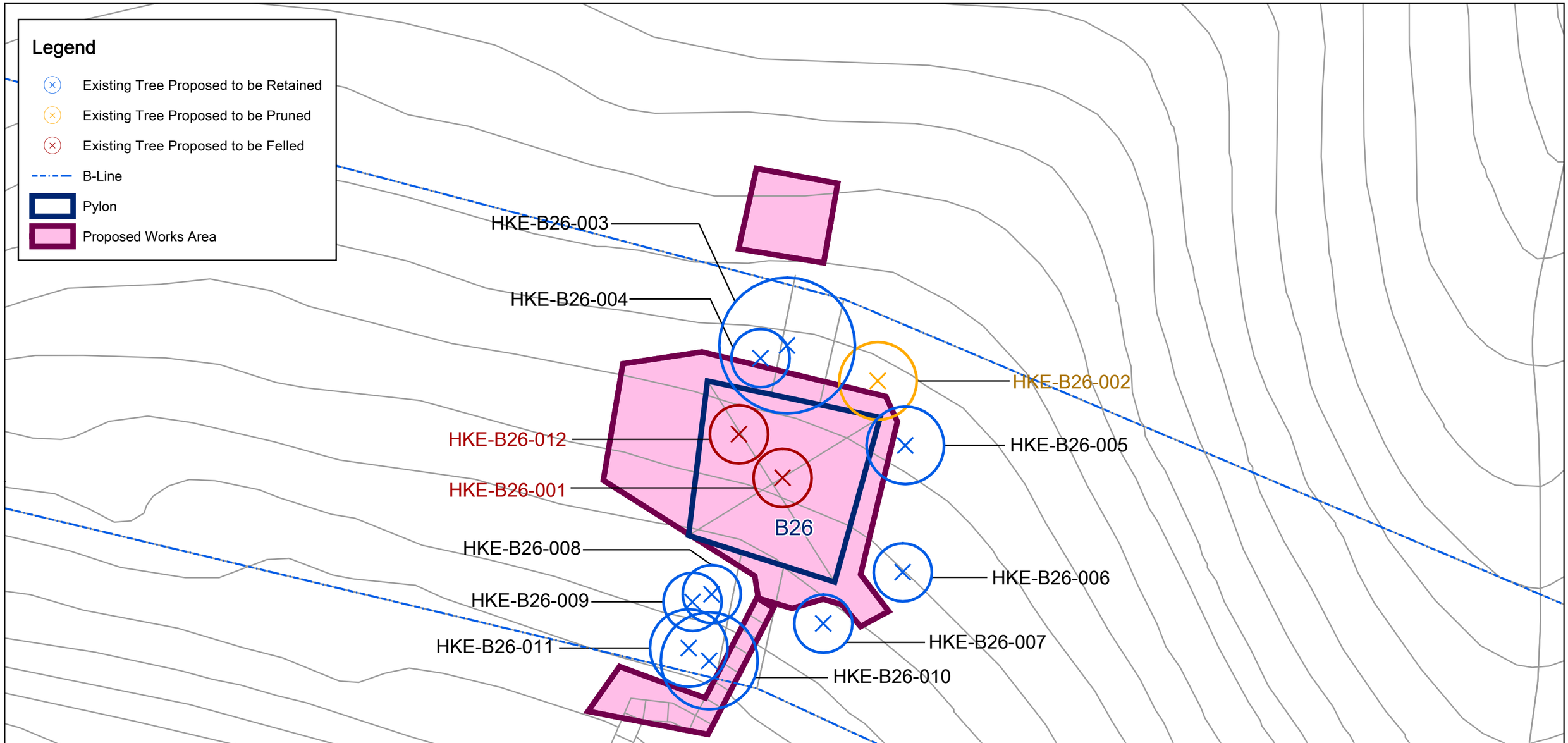
Figure D2.24

Trees Adjacent to the Proposed Works Area at Pylon B25

File: T:\GIS\CONTRACT\0643361\mxd\Tree_Survey\0643361_Tree_Survey_B25.mxd
Date: 24/10/2023

Environmental Resources Management

ERM



Tree No.	*Scientific name*	Chinese name	Tree height (m)	Trunk diameter (mm)	Tree crown spread (m)	Form (Good/Fair/ Poor)	Health condition (Good/Fair/ Poor)	Structural condition (Good/Fair/ Poor)	Anticipated survival rate after transplanting (High/ Medium/ Low)	Recommendation (Retain/Fell/ Transplant)	Remarks (including justification for proposed tree removal, precious or rare or endangered species etc.)
HKE-B26-001	*Melicope pteleifolia*	三桠苦	4	109	3	P	F	P	L	Fell	trunk damage
HKE-B26-002	*Schefflera heptaphylla*	鴨腳木	5	210	4	F	F	F	L	Prune	multi-trunk
HKE-B26-003	*Machilus chekiangensis*	浙江潤楠	10	260	7	F	F	F	L	Retain	
HKE-B26-004	*Aquilaria sinensis*	土沉香	4	200	3	P	P	P	L	Retain	sprouting, topped
HKE-B26-005	*Symplocos lancifolia*	光葉山礬	6	300	4	F	F	F		Retain	multi-trunk
HKE-B26-006	*Rhus succedanea*	野漆樹	5	110	3	F	F	F	L	Retain	climber on trunk
HKE-B26-007	*Rhus succedanea*	野漆樹	6	200	3	P	F	P	L	Retain	topped, sprouting
HKE-B26-008	*Mallotus paniculatus*	白楸	6	100	3	F	F	F	L	Retain	
HKE-B26-009	*Sterculia lanceolata*	假蘋婆	5	170	3	F	F	F	L	Retain	forked
HKE-B26-010	*Celtis sinensis*	朴樹	8	270	5	F	F	F	L	Retain	co-dominant
HKE-B26-011	*Schefflera heptaphylla*	鴨腳木	7	260	4	F	F	F	L	Retain	multi-trunk
HKE-B26-012	*Aporosa dioica*	銀柴	4.5	95	3	F	F	F	L	Fell	

Figure D2.25

Trees Adjacent to the Proposed Works Area at Pylon B26

File: T:\GIS\CONTRACT\0643361\mxd\Tree_Survey\0643361_Tree_Survey_B26.mxd
Date: 24/10/2023

Environmental Resources Management

ERM

HKE-B26-002: Tree pruning required

Figure D2.25a

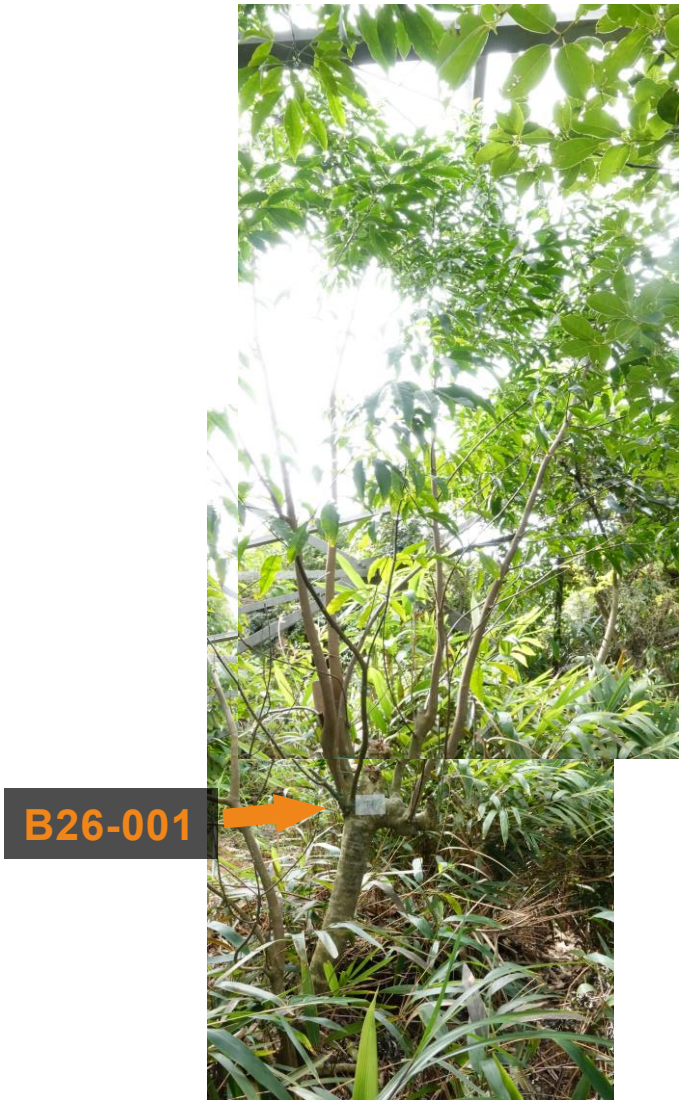
Site Photo Showing Trees that Will Be Affected at Pylon B26

DATE: October 2022

Environmental Resources Management

ERM

HKE-B26-001: Tree to be felled



HKE-B26-012: Tree to be felled

Figure D2.25b

Site Photo Showing Trees that Will Be Affected at Pylon B26

DATE: May 2023

Environmental Resources Management

ERM

Legend

- Existing Tree Proposed to be Retained
- Existing Tree Proposed to be Pruned
- Existing Tree Proposed to be Felled
- B-Line
- Pylon
- Proposed Works Area

Tree No.	*Scientific name*	Chinese name	Tree height (m)	Trunk diameter (mm)	Tree crown spread (m)	Form (Good/Fair/ Poor)	Health condition (Good/Fair/ Poor)	Structural condition (Good/Fair/ Poor)	Anticipated survival rate after transplanting (High/ Medium/ Low)	Recommendation (Retain/Fell/ Transplant)	Remarks (including justification for proposed tree removal, precious or rare or endangered species etc.)
HKE-B27-001	*Schefflera heptaphylla*	鴨腳木	7	228	6	P	F	P	L	Retain	multi-trunk
HKE-B27-002	*Machilus chekiangensis*	浙江潤楠	6	90	4	F	F	F	L	Retain	
HKE-B27-003	*Acacia confusa*	台灣相思	8	277	6	F	F	F	L	Retain	leaning, co-dominant
HKE-B27-004	*Acacia confusa*	台灣相思	8	251	6	F	F	F	L	Retain	leaning, co-dominant
HKE-B27-005	*Acacia confusa*	台灣相思	9	173	6	F	F	F	L	Retain	leaning
HKE-B27-006	*Acacia confusa*	台灣相思	10	150	8	F	F	F	L	Retain	leaning
HKE-B27-007	*Acacia confusa*	台灣相思	10	142	8	F	F	F	L	Retain	leaning
HKE-B27-008	*Acacia confusa*	台灣相思	10	125	7	F	F	F	L	Prune	
HKE-B27-009	*Artocarpus hypargyreus*	白桂木	8	168	3	F	G	G	L	Retain	
HKE-B27-010	*Ficus variegata*	青果榕	10	320	10	F	F	F	L	Retain	
HKE-B27-011	*Celtis sinensis*	朴樹	9	200	5	F	F	F	L	Retain	
HKE-B27-012	*Ficus variegata*	青果榕	10	150	3	F	F	F	L	Retain	
HKE-B27-013	*Polyspora axillaris*	大頭茶	4	101	4	F	F	F	L	Retain	climers on tree, co-dominant
HKE-B27-014	*Artocarpus hypargyreus*	白桂木	7	130	3	G	F	G	L	Retain	
HKE-B27-015	*Sterculia lanceolata*	假蘋婆	6	100	3	F	F	F	L	Retain	
HKE-B27-016	*Rhus succedanea*	野漆樹	7	120	4	F	F	F	L	Retain	

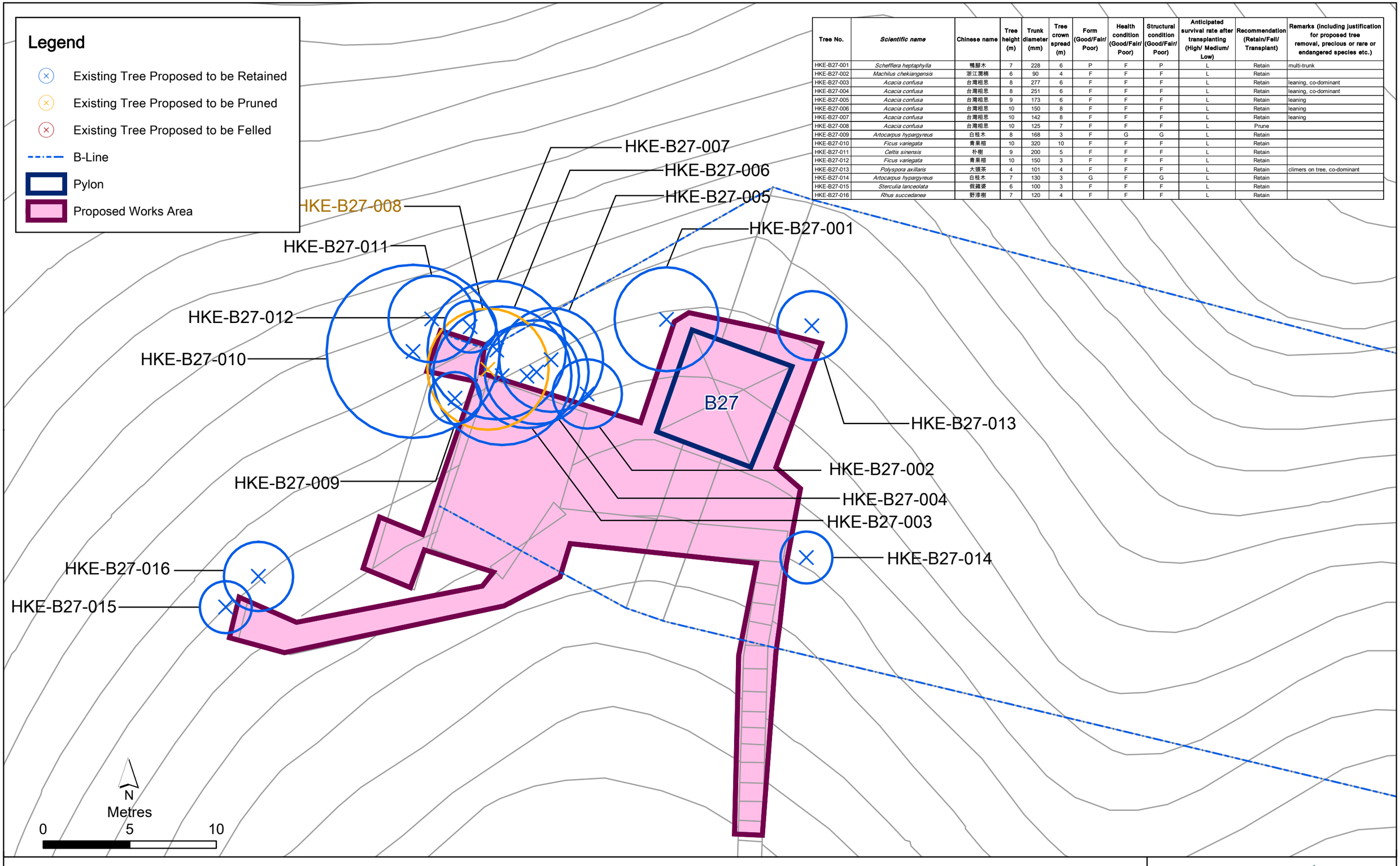


Figure D2.26

Trees Adjacent to the Proposed Works Area at Pylon B27

File: T:\GIS\CONTRACT\0643361\mxd\Tree_Survey\0643361_Tree_Survey_B27.mxd
Date: 11/8/2023

Environmental Resources Management

ERM

HKE-B27-008: Tree pruning required

Figure D2.26a

Site Photo Showing Trees that Will Be Affected at Pylon B27

DATE: October 2022

Environmental Resources Management

ERM

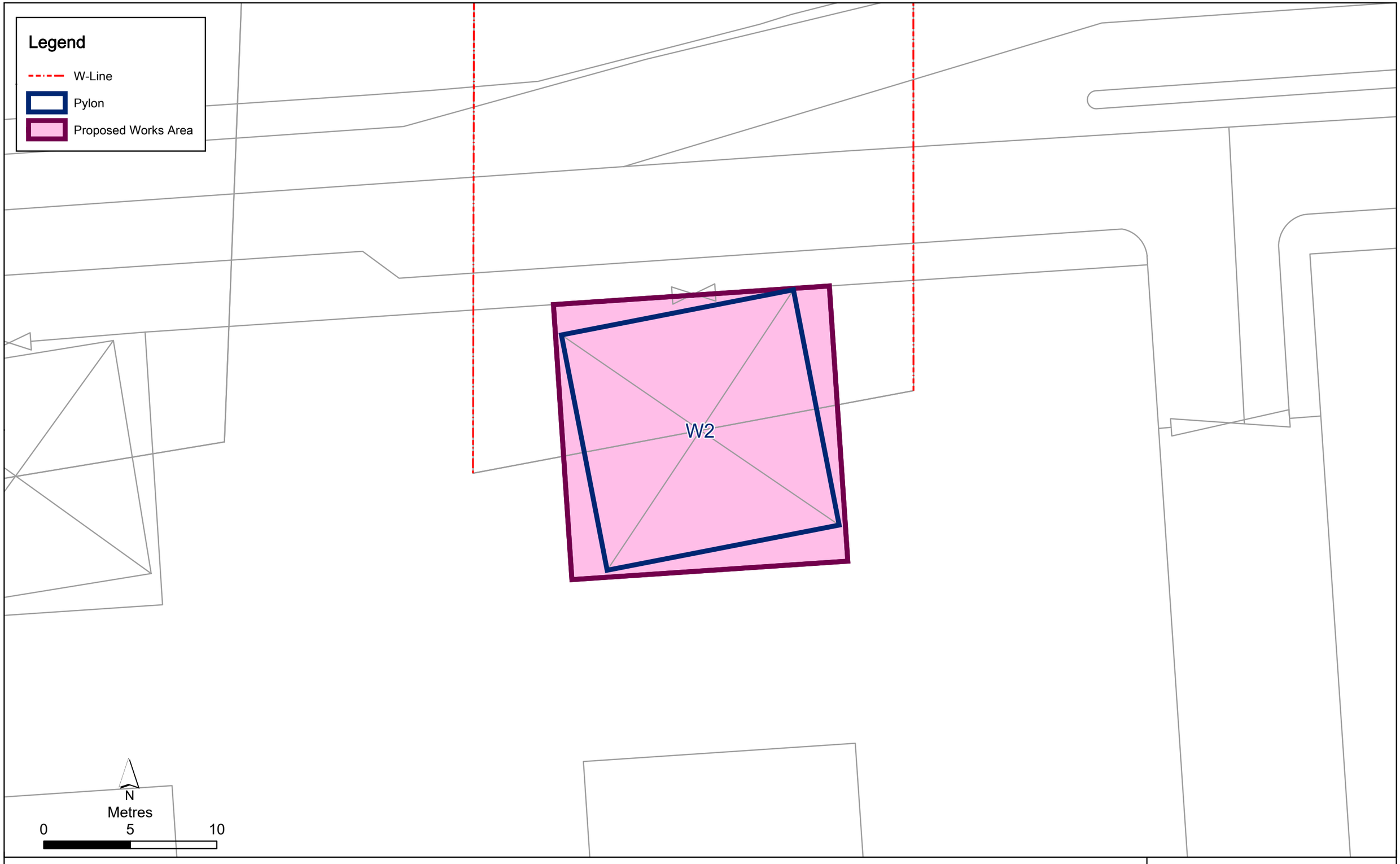


Figure D2.27

Trees Adjacent to the Proposed Works Area at Pylon W2

File: T:\GIS\CONTRACT\0643361\mxd\Tree_Survey\0643361_Tree_Survey_W2.mxd
Date: 11/8/2023

Environmental Resources Management

ERM

Legend

- Existing Tree Proposed to be Retained
- Existing Tree Proposed to be Pruned
- Existing Tree Proposed to be Felled
- W-Line
- Pylon
- Proposed Works Area

Tree No.	*Scientific name*	Chinese name	Tree height (m)	Trunk diameter (mm)	Tree crown spread (m)	Form (Good/Fair/ Poor)	Health condition (Good/Fair/ Poor)	Structural condition (Good/Fair/ Poor)	Anticipated survival rate after transplanting (High/ Medium/ Low)	Recommendation (Retain/Fell/ Transplant)	Remarks (including justification for proposed tree removal, precious or rare or endangered species etc.)
HKE-W3-001	*Machilus chekiangensis*	浙江潤楠	3	100	2	F	F	F	M	Retain	multi-trunk
HKE-W3-002	*Cinnamomum parthenoxylon*	黃樟	2	152	3	F	F	P	L	Retain	multi-trunk
HKE-W3-003	*Pinus massoniana*	馬尾松	3	120	2	F	F	F	L	Retain	

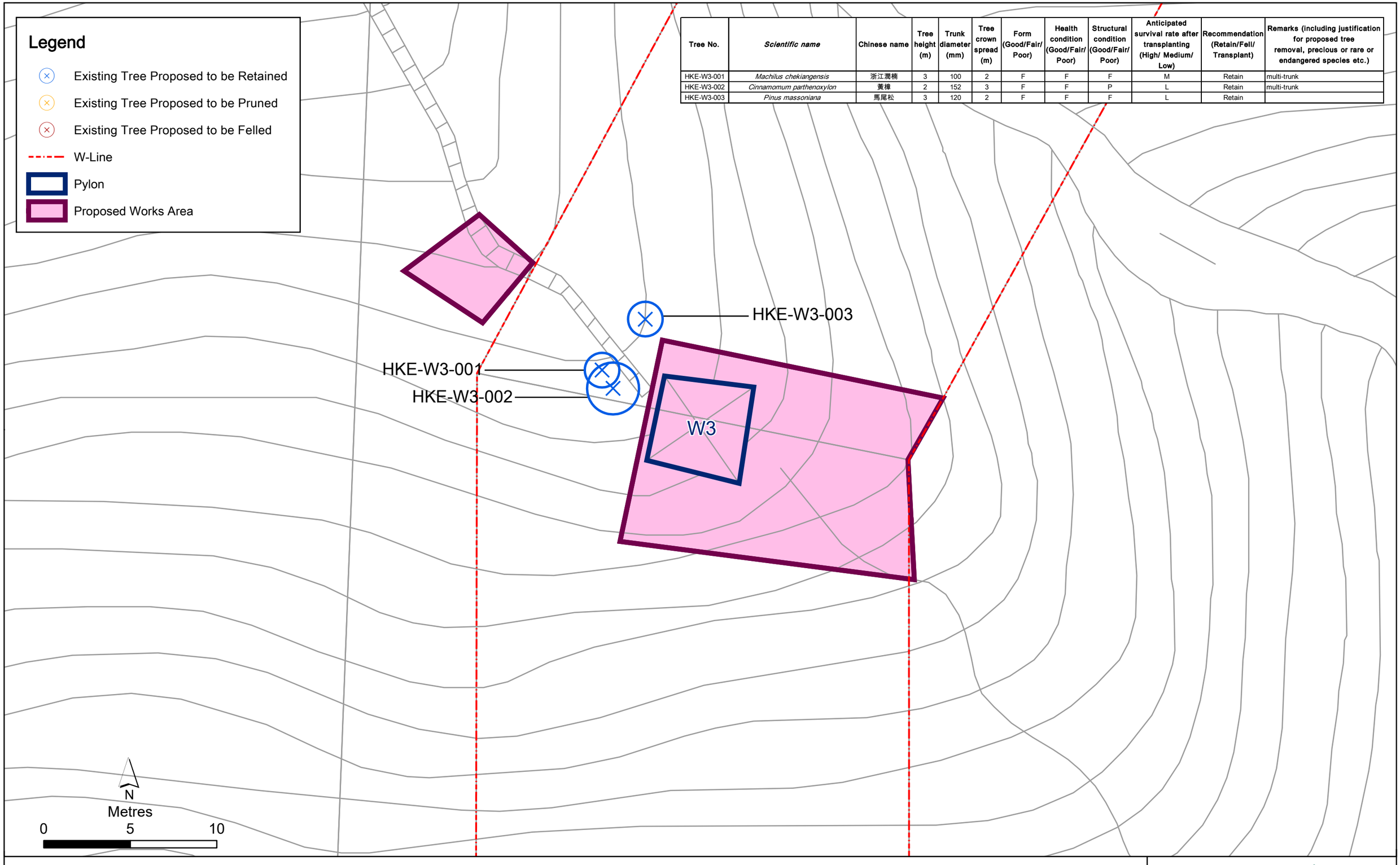


Figure D2.28

Trees Adjacent to the Proposed Works Area at Pylon W3

File: T:\GIS\CONTRACT\0643361\mxd\Tree_Survey\0643361_Tree_Survey_W3.mxd
Date: 25/10/2023

Environmental Resources Management

ERM

Legend

- Existing Tree Proposed to be Retained
- Existing Tree Proposed to be Pruned
- Existing Tree Proposed to be Felled
- W-Line
- Pylon
- Proposed Works Area

Tree No.	*Scientific name*	Chinese name	Tree height (m)	Trunk diameter (mm)	Tree crown spread (m)	Form (Good/Fair/ Poor)	Health condition (Good/Fair/ Poor)	Structural condition (Good/Fair/ Poor)	Anticipated survival rate after transplanting (High/ Medium/ Low)	Recommendation (Retain/Fell/ Transplant)	Remarks (including justification for proposed tree removal, precious or rare or endangered species etc.)
HKE-W4-001	*Pinus massoniana*	馬尾松	6	211	4	F	F	F	L	Retain	Leaning, climber on tree
HKE-W4-002	*Polyspora axillaris*	大頭茶	4.5	179	1.5	F	F	F	L	Retain	multi-trunk
HKE-W4-003	*Pinus massoniana*	馬尾松	5	170	4	F	F	F	L	Retain	dead branch, leaning
HKE-W4-004	*Polyspora axillaris*	大頭茶	5	179	4	F	F	F	L	Retain	multi-trunk
HKE-W4-005	*Polyspora axillaris*	大頭茶	2.5	101	3	F	F	F	L	Fell	dead branches, leaning
HKE-W4-006	*Pinus massoniana*	馬尾松	3	105	4	F	F	F	L	Retain	climber on tree
HKE-W4-007	*Pinus massoniana*	馬尾松	3.5	145	6	F	F	F	L	Retain	climber on tree
HKE-W4-008	*Polyspora axillaris*	大頭茶	5	100	2	F	F	F	L	Retain	multi-trunk
HKE-W4-009	*Pinus massoniana*	馬尾松	6	121	3	F	F	F	L	Retain	leaning
HKE-W4-010	*Pinus massoniana*	馬尾松	7	160	3.5	F	F	F	M	Retain	
HKE-W4-011	*Pinus massoniana*	馬尾松	6	122	3	F	F	F	M	Retain	dead branches
HKE-W4-012	*Pinus massoniana*	馬尾松	6	130	3	F	F	F	M	Retain	dead branches
HKE-W4-013	*Pinus massoniana*	馬尾松	6	105	3	F	F	F	L	Retain	dead branches, leaning
HKE-W4-014	*Pinus massoniana*	馬尾松	5	115	3	F	F	F	L	Retain	dead branches
HKE-W4-015	*Pinus massoniana*	馬尾松	5	110	2	P	F	P	L	Retain	climber on tree, dead branches
HKE-W4-016	*Polyspora axillaris*	大頭茶	3	102	2.5	F	F	F	L	Fell	climber on tree,
HKE-W4-017	*Polyspora axillaris*	大頭茶	3	180	3	F	F	F	L	Retain	
HKE-W4-018	*Polyspora axillaris*	大頭茶	4	110	3.5	P	F	P	L	Retain	multi-trunk
HKE-W4-019	*Machilus chekiangensis*	浙江潤楠	4	103	2	F	F	F	L	Fell	

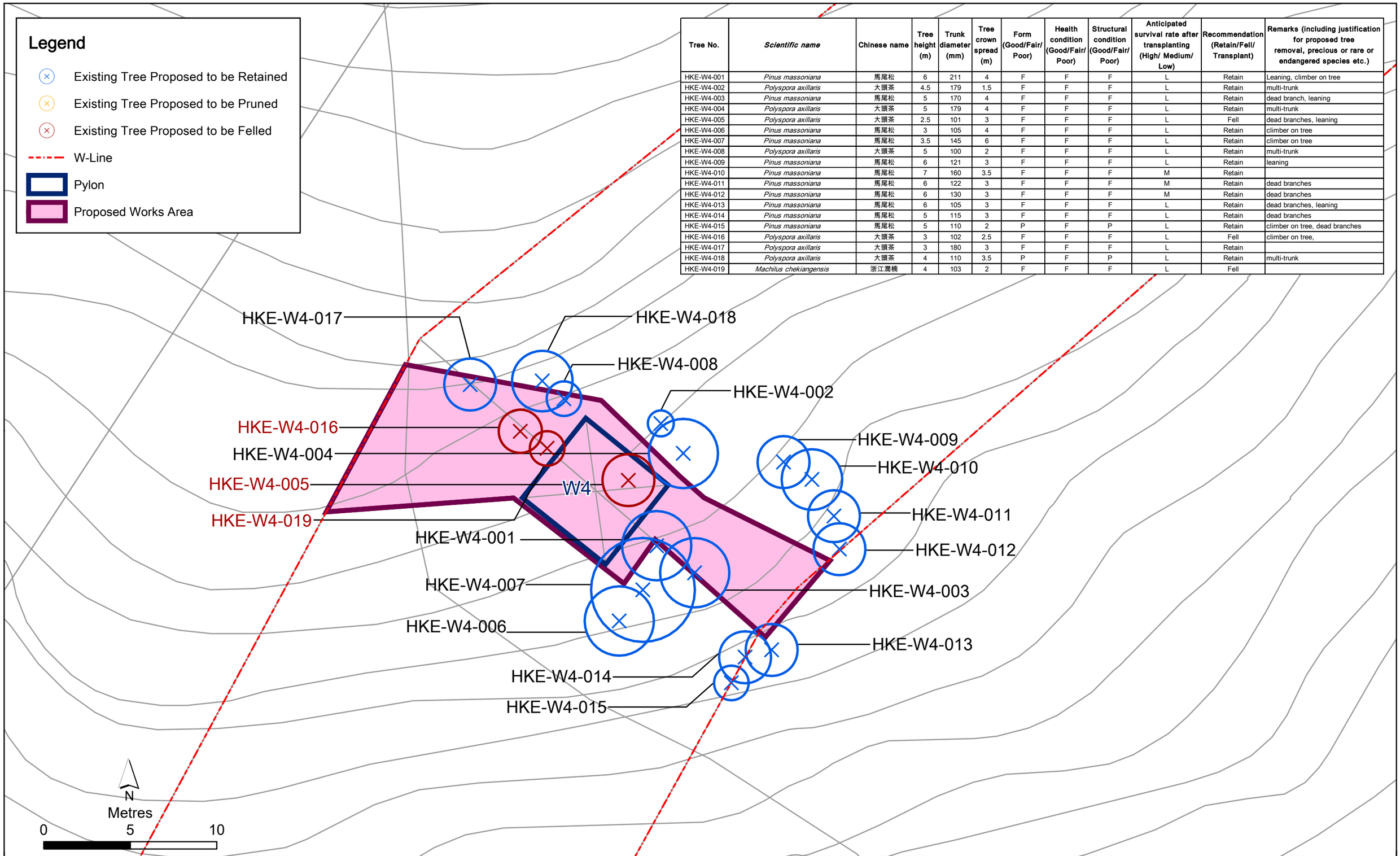


Figure D2.29

Trees Adjacent to the Proposed Works Area at Pylon W4

File: T:\GIS\CONTRACT\0643361\mxd\Tree_Survey\0643361_Tree_Survey_W4.mxd
Date: 25/10/2023

Environmental Resources Management

ERM

HKE-W4-005: Tree to be felled

Figure D2.29a

Site Photo Showing Trees that Will Be Affected at Pylon W4

DATE: May 2023

Environmental Resources Management

ERM

HKE-W4-016: Tree to be felled

HKE-W4-019: Tree to be felled

Figure D2.29b

Site Photo Showing Trees that Will Be Affected at Pylon W4

DATE: May 2023

Environmental Resources Management

ERM

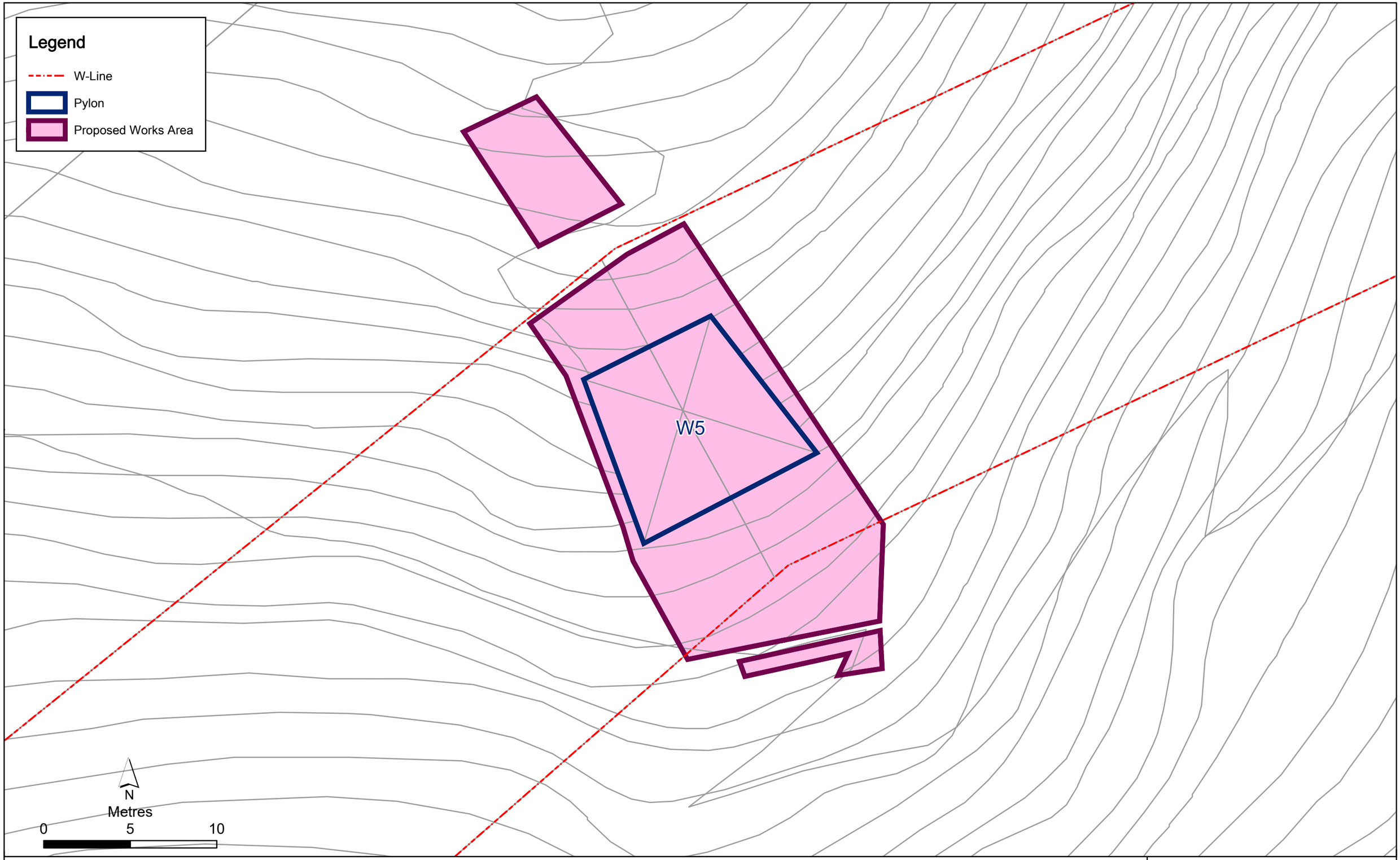


Figure D2.30

Trees Adjacent to the Proposed Works Area at Pylon W5

File: T:\GIS\CONTRACT\0643361\mxd\Tree_Survey\0643361_Tree_Survey_W5.mxd
Date: 11/8/2023

Environmental Resources Management

ERM

Tree No.	*Scientific name*	Chinese name	Tree height (m)	Trunk diameter (mm)	Tree crown spread (m)	Form (Good/Fair/ Poor)	Health condition (Good/Fair/ Poor)	Structural condition (Good/Fair/ Poor)	Anticipated survival rate after transplanting (High/ Medium/ Low)	Recommendation (Retain/Fell/ Transplant)	Remarks (including justification for proposed tree removal, precious or rare or endangered species etc.)
HKE-W6-001	*Polyspora axillaris*	大頭茶	5	161	4	F	F	F	L	Retain	multi-trunk
HKE-W6-002	*Schefflera heptaphylla*	鴨腳木	4	125	3	F	F	F	L	Retain	conflict with other shrub
HKE-W6-003	*Schefflera heptaphylla*	鴨腳木	4.5	140	4	F	F	F	L	Retain	Climber on tree
HKE-W6-004	*Sterculia lanceolata*	假蘋婆	4.5	154	3	F	F	F	L	Retain	multi-trunk
HKE-W6-005	*Aporosa dioica*	銀柴	3	117	2.5	F	F	F	L	Retain	multi-trunk
HKE-W6-006	*Pinus massoniana*	馬尾松	6	130	3	F	F	F	L	Retain	

Legend

- Existing Tree Proposed to be Retained
- Existing Tree Proposed to be Pruned
- Existing Tree Proposed to be Felled
- W-Line
- Pylon
- Proposed Works Area

HKE-W6-006

HKE-W6-005

W6

HKE-W6-004

HKE-W6-001

HKE-W6-003

HKE-W6-002

N

Metres

0 5 10

Figure D2.31

Trees Adjacent to the Proposed Works Area at Pylon W6

File: T:\GIS\CONTRACT\0643361\mxd\Tree_Survey\0643361_Tree_Survey_W6.mxd
Date: 25/10/2023

Environmental Resources Management

ERM

Tree No.	*Scientific name*	Chinese name	Tree height (m)	Trunk diameter (mm)	Tree crown spread (m)	Form (Good/Fair/ Poor)	Health condition (Good/Fair/ Poor)	Structural condition (Good/Fair/ Poor)	Anticipated survival rate after transplanting (High/ Medium/ Low)	Recommendation (Retain/Fell/ Transplant)	Remarks (including justification for proposed tree removal, precious or rare or endangered species etc.)
HKE-W7-001	*Acacia confusa*	台灣相思	6	490	6	P	P	P	L	Retain	decay on trunk
HKE-W7-002	*Litsea glutinosa*	潺槁樹	4	105	4	F	P	F	L	Retain	climber on top
HKE-W7-003	*Acacia confusa*	台灣相思	6	160	5	P	P	P	L	Retain	leaning, dead branches
HKE-W7-004	*Pinus massoniana*	馬尾松	6	230	5	F	F	F	L	Retain	
HKE-W7-005	*Sterculia lanceolata*	假蘋婆	5	144	5	F	F	F	L	Retain	multi-trunk, dead branches
HKE-W7-006	*Sterculia lanceolata*	假蘋婆	5	132	4	F	F	F	L	Retain	
HKE-W7-007	*Sterculia lanceolata*	假蘋婆	7	140	3	F	F	F	L	Fell	
HKE-W7-008	*Machilus chekiangensis*	浙江潤楠	4	100	3	F	F	F	L	Retain	

Legend

- Existing Tree Proposed to be Retained
- Existing Tree Proposed to be Pruned
- Existing Tree Proposed to be Felled
- W-Line
- Pylon
- Proposed Works Area

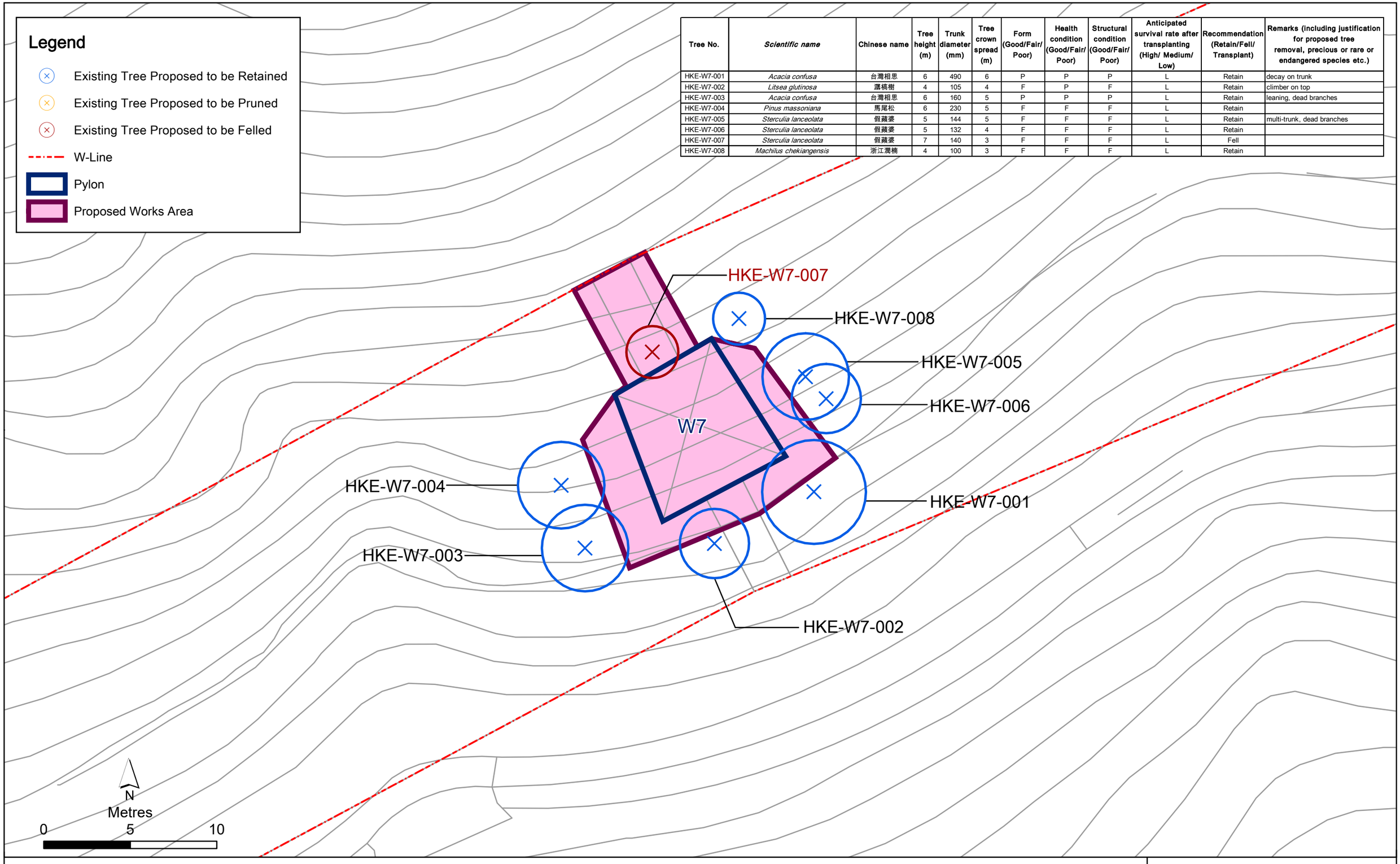


Figure D2.32

Trees Adjacent to the Proposed Works Area at Pylon W7

File: T:\GIS\CONTRACT\0643361\mxd\Tree_Survey\0643361_Tree_Survey_W7.mxd
Date: 25/10/2023

Environmental Resources Management

ERM

HKE-W7-007: Tree to be felled

Figure D2.32a

Site Photo Showing Trees that Will Be Affected at Pylon W7

DATE: May 2023

Environmental Resources Management

ERM

Legend

- Existing Tree Proposed to be Retained
- Existing Tree Proposed to be Pruned
- Existing Tree Proposed to be Felled
- W-Line
- Pylon
- Proposed Works Area

Tree No.	*Scientific name*	Chinese name	Tree height (m)	Trunk diameter (mm)	Tree crown spread (m)	Form (Good/Fair/ Poor)	Health condition (Good/Fair/ Poor)	Structural condition (Good/Fair/ Poor)	Anticipated survival rate after transplanting (High/ Medium/ Low)	Recommendation (Retain/Fell/ Transplant)	Remarks (including justification for proposed tree removal, precious or rare or endangered species etc.)
HKE-W8-001	*Cinnamomum parthenoxylon*	黃樟	5	220	5	F	F	F	L	Retain	
HKE-W8-002	*Schefflera heptaphylla*	鴨腳木	4	200	3	P	F	F	L	Retain	
HKE-W8-003	*Schefflera heptaphylla*	鴨腳木	4	198	5	P	F	F	L	Retain	multi-trunk
HKE-W8-004	*Aporosa dioica*	銀柴	4	113	4	F	F	F	L	Retain	multi-trunk
HKE-W8-005	*Schefflera heptaphylla*	鴨腳木	5	183	6	F	F	F	L	Retain	multi-trunk
HKE-W8-006	*Cinnamomum parthenoxylon*	黃樟	6	185	5	F	F	F	L	Retain	co-dominant trunk
HKE-W8-007	*Schefflera heptaphylla*	鴨腳木	4.5	142	5	F	F	F	L	Prune	multi-trunk
HKE-W8-008	*Aporosa dioica*	銀柴	4.5	95	4	F	F	F	L	Retain	climber on tree
HKE-W8-009	*Cinnamomum parthenoxylon*	黃樟	4	98	3	F	F	F	L	Fell	
HKE-W8-010	*Schefflera heptaphylla*	鴨腳木	7	256	4	F	F	F	L	Retain	
HKE-W8-011	*Schefflera heptaphylla*	鴨腳木	6	170	4	P	F	P	L	Fell	climber on tree

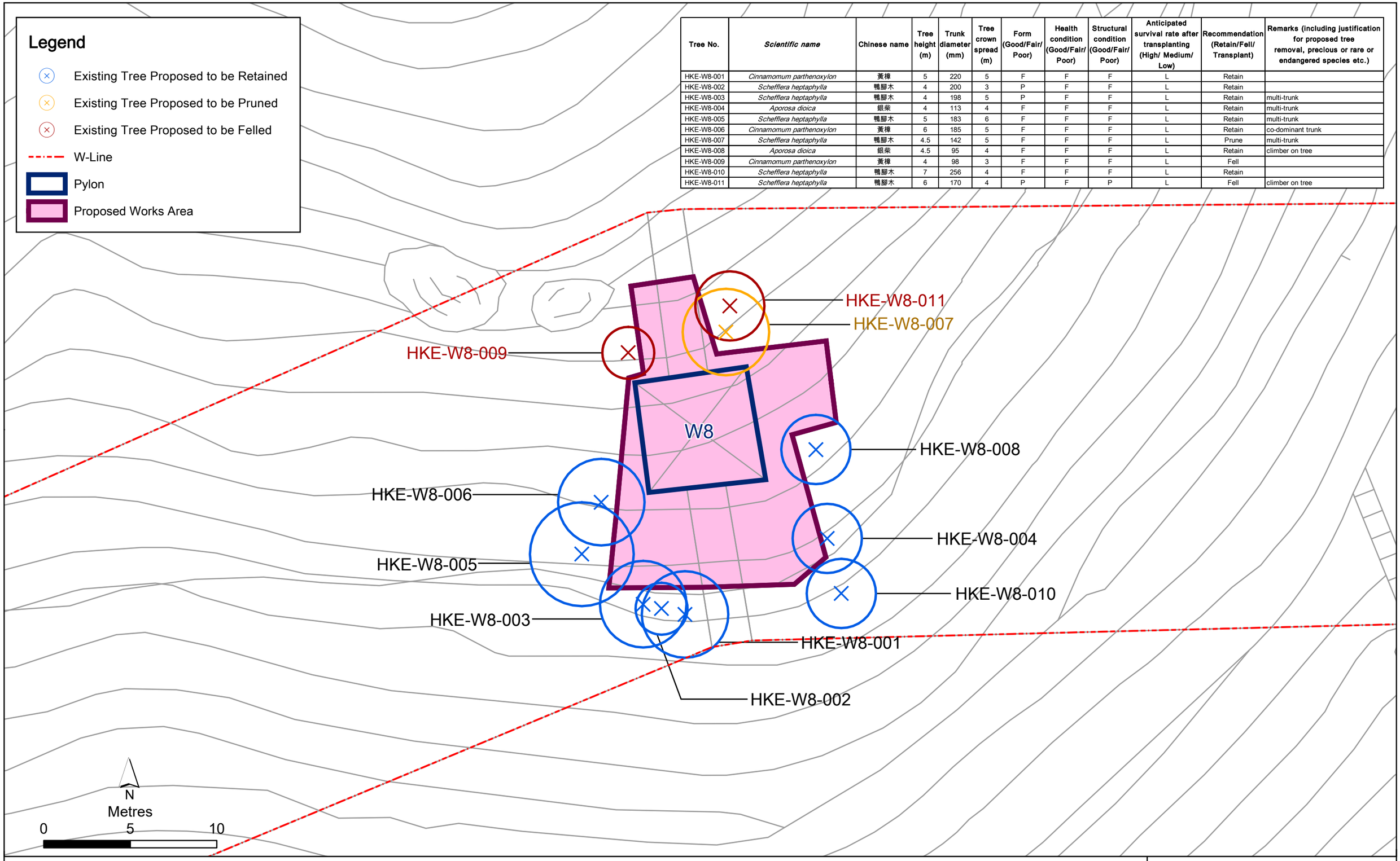


Figure D2.33

Trees Adjacent to the Proposed Works Area at Pylon W8

File: T:\GIS\CONTRACT\0643361\mxd\Tree_Survey\0643361_Tree_Survey_W8.mxd
Date: 25/10/2023

Environmental Resources Management

ERM

HKE-W8-007: Tree pruning required

Figure D2.33a

Site Photo Showing Trees that Will Be Affected at Pylon W8

DATE: October 2022

Environmental Resources Management

ERM

HKE-W8-009: Tree to be felled

Figure D2.33b

Site Photo Showing Trees that Will Be Affected at Pylon W8

DATE: May 2023

Environmental Resources Management

ERM

HKE-W8-T11: Tree to be felled

Figure D2.33c

Site Photo Showing Trees that Will Be Affected at Pylon W8

DATE: May 2023

Environmental Resources Management

ERM

Tree No.	*Scientific name*	Chinese name	Tree height (m)	Trunk diameter (mm)	Tree crown spread (m)	Form (Good/Fair/ Poor)	Health condition (Good/Fair/ Poor)	Structural condition (Good/Fair/ Poor)	Anticipated survival rate after transplanting (High/ Medium/ Low)	Recommendation (Retain/Fell/ Transplant)	Remarks (including justification for proposed tree removal, precious or rare or endangered species etc.)
HKE-W9-001	*Machilus chekiangensis*	浙江潤楠	4	113	3	F	F	F	L	Retain	
HKE-W9-002	*Acronychia pedunculata*	山油柑	4	179	3	F	F	F	L	Prune	
HKE-W9-003	*Polyspora axillaris*	大頭茶	4.5	202	3	F	F	F	L	Retain	
HKE-W9-004	*Schefflera heptaphylla*	鴨腳木	3.5	193	2	F	F	F	L	Retain	
HKE-W9-005	*Machilus chekiangensis*	浙江潤楠	4	139	2	F	F	F	L	Retain	
HKE-W9-006	*Machilus chekiangensis*	浙江潤楠	4	198	3	F	F	F	L	Retain	
HKE-W9-008	*Acronychia pedunculata*	山油柑	4	103	2	F	F	F	L	Retain	
HKE-W9-009	*Machilus chekiangensis*	浙江潤楠	7	216	3	F	F	F	L	Retain	
HKE-W9-010	*Machilus chekiangensis*	浙江潤楠	6	148	2	F	F	F	L	Retain	climber on tree

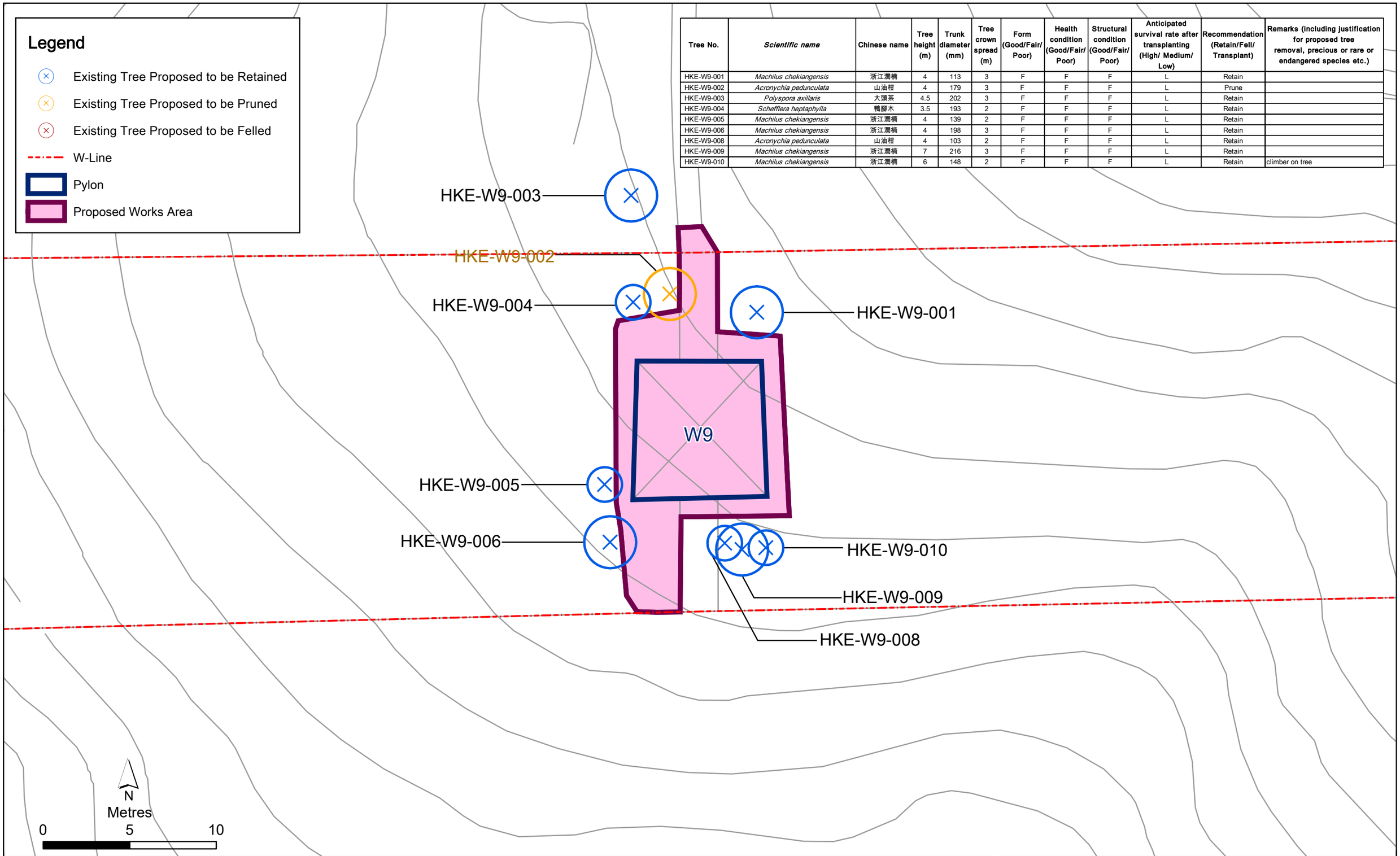


Figure D2.34

Trees Adjacent to the Proposed Works Area at Pylon W9

File: T:\GIS\CONTRACT\0643361\mxd\Tree_Survey\0643361_Tree_Survey_W9.mxd
Date: 25/10/2023

Environmental Resources Management

ERM

HKE-W9-002: Tree pruning required

Figure D2.34a

Site Photo Showing Trees that Will Be Affected at Pylon W9

DATE: October 2022

Environmental Resources Management

ERM

Legend

- Existing Tree Proposed to be Retained
- Existing Tree Proposed to be Pruned
- Existing Tree Proposed to be Felled
- W-Line
- Pylon
- Proposed Works Area

Tree No.	*Scientific name*	Chinese name	Tree height (m)	Trunk diameter (mm)	Tree crown spread (m)	Form (Good/Fair/ Poor)	Health condition (Good/Fair/ Poor)	Structural condition (Good/Fair/ Poor)	Anticipated survival rate after transplanting (High/ Medium/ Low)	Recommendation (Retain/Fell/ Transplant)	Remarks (including justification for proposed tree removal, precious or rare or endangered species etc.)
HKE-W10-001	*Garcinia oblongifolia*	黃牙果	4	187	3	F	F	F	L	Retain	
HKE-W10-002	*Schefflera heptaphylla*	鴨腳木	4	138	2	P	P	P	L	Retain	Die back
HKE-W10-003	*Machilus chekiangensis*	浙江潤楠	4	172	3	P	P	P	L	Retain	Die back
HKE-W10-004	*Litsea glutinosa*	潺槁樹	3	128	2	P	P	P	L	Retain	With climber
HKE-W10-005	*Schefflera heptaphylla*	鴨腳木	4	105	2	F	P	P	L	Retain	With climber
HKE-W10-006	*Elaeocarpus sylvestris*	山杜英	5	131	3	F	F	F	L	Retain	With climber

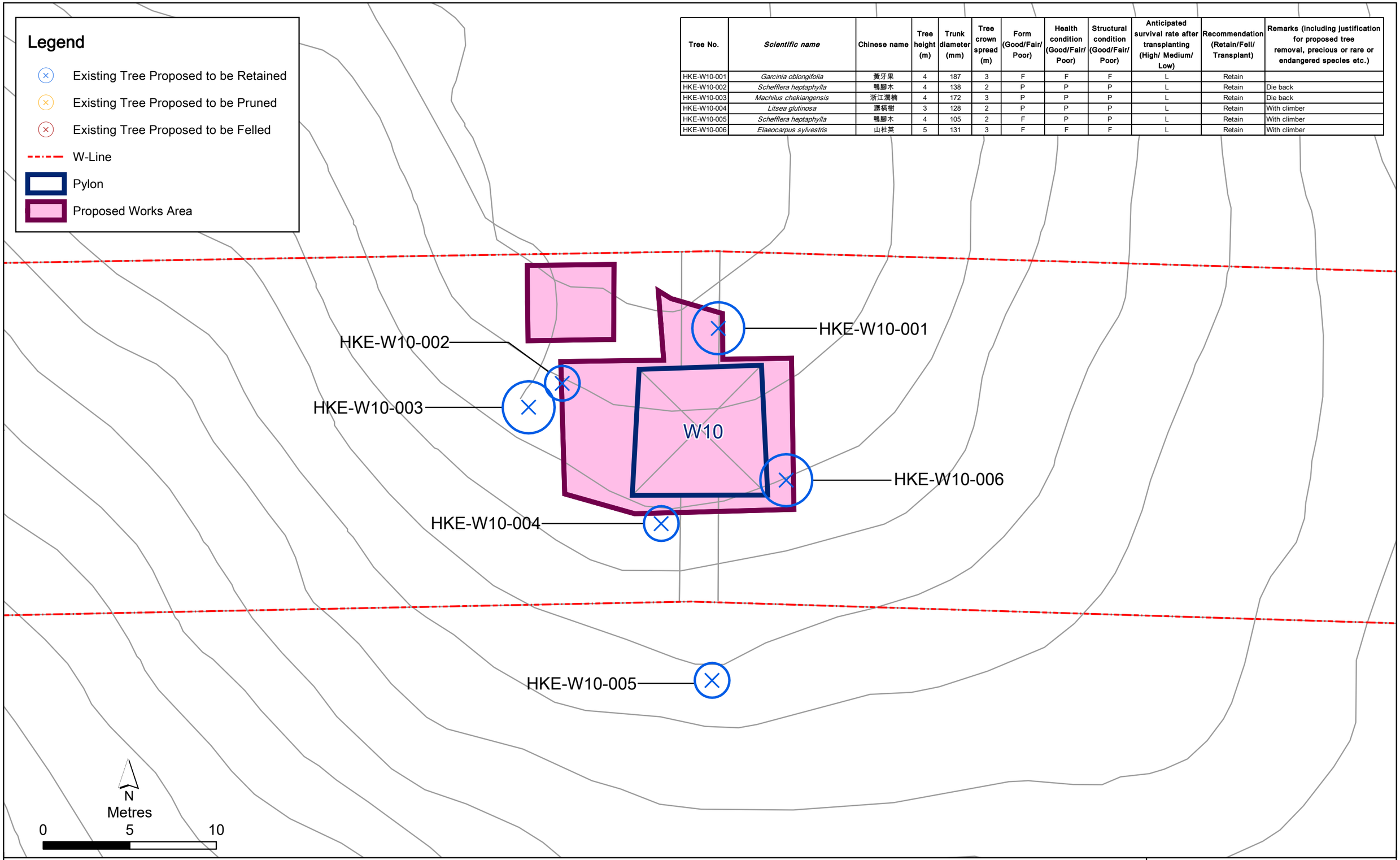


Figure D2.35

Trees Adjacent to the Proposed Works Area at Pylon W10

File: T:\GIS\CONTRACT\0643361\mxd\Tree_Survey\0643361_Tree_Survey_W10.mxd
Date: 25/10/2023

Environmental Resources Management

ERM

Legend

- Existing Tree Proposed to be Retained
- Existing Tree Proposed to be Pruned
- Existing Tree Proposed to be Felled
- W-Line
- Pylon
- Proposed Works Area

Tree No.	*Scientific name*	Chinese name	Tree height (m)	Trunk diameter (mm)	Tree crown spread (m)	Form (Good/Fair/ Poor)	Health condition (Good/Fair/ Poor)	Structural condition (Good/Fair/ Poor)	Anticipated survival rate after transplanting (High/ Medium/ Low)	Recommendation (Retain/Fell/ Transplant)	Remarks (including justification for proposed tree removal, precious or rare or endangered species etc.)
HKE-W11-001	*Machilus chekiangensis*	浙江潤楠	5	124	2	F	F	F	L	Retain	
HKE-W11-002	*Machilus chekiangensis*	浙江潤楠	5	154	2.5	F	F	F	L	Prune	
HKE-W11-003	*Schefflera heptaphylla*	鴨腳木	2.5	127	1.5	P	P	P	L	Retain	
HKE-W11-004	*Machilus chekiangensis*	浙江潤楠	6	134	1.5	F	F	F	L	Retain	
HKE-W11-005	*Machilus chekiangensis*	浙江潤楠	6	126	3	F	F	F	L	Retain	With climber
HKE-W11-006	*Machilus chekiangensis*	浙江潤楠	6	102	4	F	F	F	L	Retain	
HKE-W11-007	*Machilus chekiangensis*	浙江潤楠	2.5	219	3	F	F	F	L	Prune	
HKE-W11-008	*Machilus chekiangensis*	浙江潤楠	3	103	3	F	F	F	L	Retain	
HKE-W11-009	*Cinnamomum parthenoxylon*	黃樟	4	131	4	F	F	F	L	Fell	Infested with termites
HKE-W11-010	*Machilus chekiangensis*	浙江潤楠	4	117	4	F	F	F	L	Retain	
HKE-W11-011	*Machilus chekiangensis*	浙江潤楠	5	224	5	F	F	F	L	Retain	
HKE-W11-012	*Polyspora axillaris*	大頭茶	5	110	3	F	F	F	L	Prune	
HKE-W11-013	*Photinia raupingensis*	鵝平石楠	3	131	2.5	P	F	P	L	Prune	
HKE-W11-014	*Machilus chekiangensis*	浙江潤楠	5	238	5	F	F	F	L	Retain	

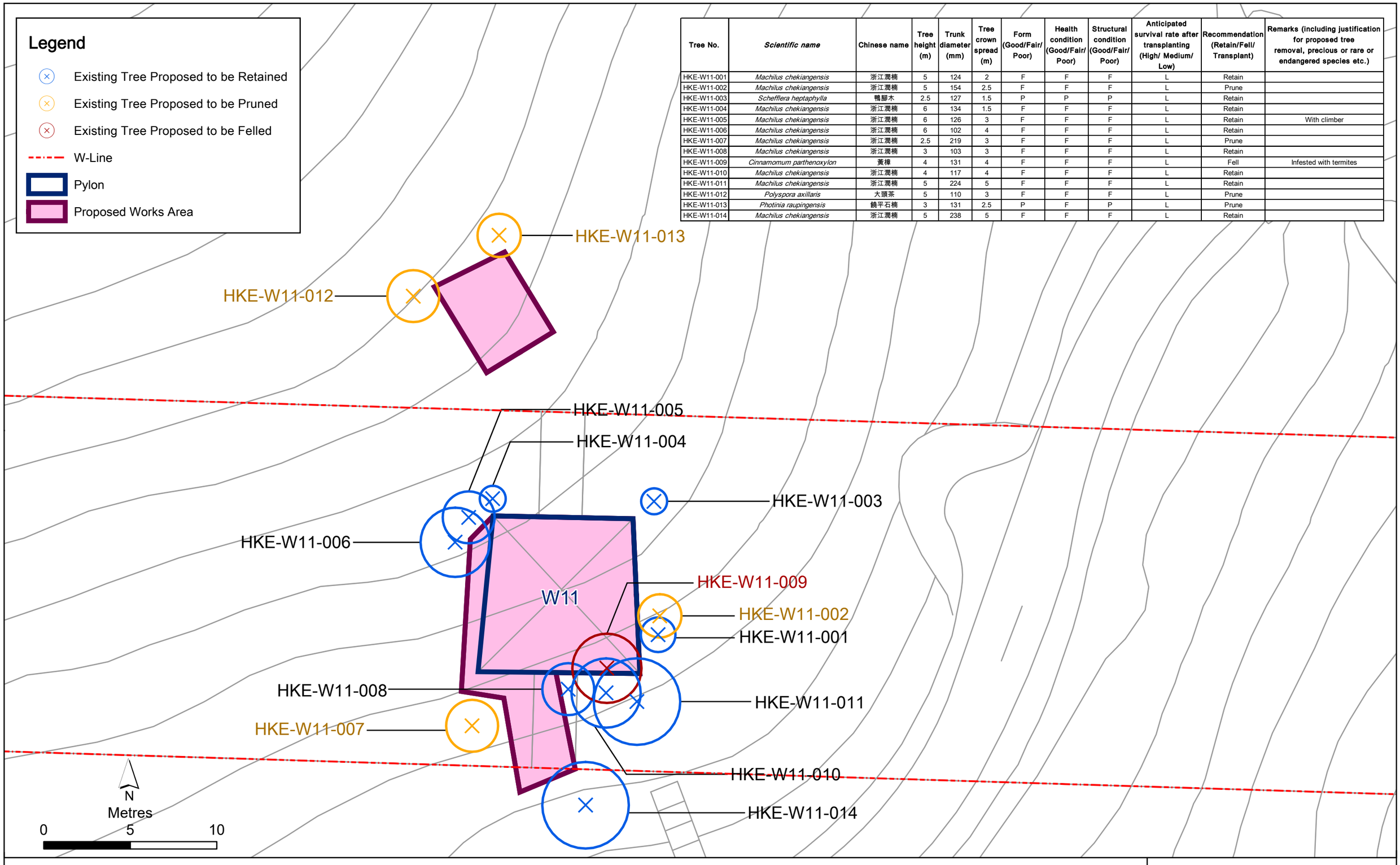


Figure D2.36

Trees Adjacent to the Proposed Works Area at Pylon W11

File: T:\GIS\CONTRACT\0643361\mxd\Tree_Survey\0643361_Tree_Survey_W11.mxd
Date: 25/10/2023

Environmental Resources Management

ERM

HKE-W11-002: Tree pruning required

Figure D2.36a

Site Photo Showing Trees that Will Be Affected at Pylon W11

DATE: October 2022

Environmental Resources Management

ERM

HKE-W11-007: Tree pruning required

HKE-W11-012: Tree pruning required

Figure D2.36b

Site Photo Showing Trees that Will Be Affected at Pylon W11

DATE: October 2022

Environmental Resources Management

ERM

HKE-W11-013: Tree pruning required

Figure: D2.36c

Site Photo Showing Trees that Will Be Affected at Pylon W11

DATE: October 2022

Environmental Resources Management

ERM

HKE-W11-009: Tree to be felled

Figure D2.36d

Site Photo Showing Trees that Will Be Affected at Pylon W11

DATE: May 2023

Environmental Resources Management

ERM

Tree No.	*Scientific name*	Chinese name	Tree height (m)	Trunk diameter (mm)	Tree crown spread (m)	Form (Good/Fair/ Poor)	Health condition (Good/Fair/ Poor)	Structural condition (Good/Fair/ Poor)	Anticipated survival rate after transplanting (High/ Medium/ Low)	Recommendation (Retain/Fell/ Transplant)	Remarks (including justification for proposed tree removal, precious or rare or endangered species etc.)
HKE-W12-001	*Schefflera heptaphylla*	鴨腳木	5	102	1.5	F	F	F	L	Retain	
HKE-W12-002	*Acacia confusa*	台灣相思	8	260	6	F	F	F	L	Retain	
HKE-W12-003	*Sterculia lanceolata*	假蘋婆	6	98	4	F	F	F	L	Retain	
HKE-W12-004	*Garcinia oblongifolia*	黃牙果	6	96	3	F	F	F	L	Retain	
HKE-W12-005	*Machilus chekiangensis*	浙江潤楠	5	127	2	F	F	F	L	Retain	
HKE-W12-006	*Machilus chekiangensis*	浙江潤楠	5	106	4	F	F	F	L	Retain	
HKE-W12-007	*Acacia confusa*	台灣相思	6	180	4	F	F	F	L	Prune	
HKE-W12-008	*Artocarpus hypargyreus*	白桂木	7	172	2	F	F	F	L	Retain	
HKE-W12-009	*Schefflera heptaphylla*	鴨腳木	6	247	5	F	F	F	L	Retain	

Legend

- Existing Tree Proposed to be Retained
- Existing Tree Proposed to be Pruned
- Existing Tree Proposed to be Felled
- W-Line
- Pylon
- Proposed Works Area

HKE-W12-007
HKE-W12-009
HKE-W12-008
W12
HKE-W12-006
HKE-W12-005
HKE-W12-003
HKE-W12-002
HKE-W12-004
HKE-W12-001

N
Metres
0 5 10

Figure D2.37

Trees Adjacent to the Proposed Works Area at Pylon W12

File: T:\GIS\CONTRACT\0643361\mxd\Tree_Survey\0643361_Tree_Survey_W12.mxd
Date: 25/10/2023

Environmental Resources Management

ERM

HKE-W12-007: Tree pruning required

Figure D2.37a

Site Photo Showing Trees that Will Be Affected at Pylon W12

DATE: October 2022

Environmental Resources Management

ERM

Tree No.	*Scientific name*	Chinese name	Tree height (m)	Trunk diameter (mm)	Tree crown spread (m)	Form (Good/Fair/ Poor)	Health condition (Good/Fair/ Poor)	Structural condition (Good/Fair/ Poor)	Anticipated survival rate after transplanting (High/ Medium/ Low)	Recommendation (Retain/Fell/ Transplant)	Remarks (including justification for proposed tree removal, precious or rare or endangered species etc.)
HKE-W13-001	*Machilus chekiangensis*	浙江润楠	3.5	196	4	F	F	F	L	Retain	
HKE-W13-002	*Machilus chekiangensis*	浙江润楠	6	156	2	F	F	F	L	Retain	Multiple trunk
HKE-W13-003	*Aquilaria sinensis*	土沉香	6	153	2	F	F	F	L	Retain	Multiple trunk
HKE-W13-004	*Machilus chekiangensis*	浙江润楠	4	121	2	F	F	F	L	Retain	Multiple trunk
HKE-W13-005	*Garcinia oblongifolia*	黄牙果	4	144	3	F	F	F	L	Prune	Multiple trunk
HKE-W13-006	*Machilus chekiangensis*	浙江润楠	4	144	3	F	F	F	L	Retain	Multiple trunk

Legend

- Existing Tree Proposed to be Retained
- Existing Tree Proposed to be Pruned
- Existing Tree Proposed to be Felled
- W-Line
- Pylon
- Proposed Works Area

HKE-W13-006
HKE-W13-005
HKE-W13-004
HKE-W13-001
W13
HKE-W13-003
HKE-W13-002

N
Metres
0 5 10

Figure D2.38

Trees Adjacent to the Proposed Works Area at Pylon W13

File: T:\GIS\CONTRACT\0643361\mxd\Tree_Survey\0643361_Tree_Survey_W13.mxd
Date: 25/10/2023

Environmental Resources Management

ERM

HKE-W13-005: Tree pruning required

Figure D2.38a

Site Photo Showing Trees that Will Be Affected at Pylon W13

DATE: October 2022

Environmental Resources Management

ERM

Tree No.	*Scientific name*	Chinese name	Tree height (m)	Trunk diameter (mm)	Tree crown spread (m)	Form (Good/Fair/ Poor)	Health condition (Good/Fair/ Poor)	Structural condition (Good/Fair/ Poor)	Anticipated survival rate after transplanting (High/ Medium/ Low)	Recommendation (Retain/Fell/ Transplant)	Remarks (including justification for proposed tree removal, precious or rare or endangered species etc.)
HKE-W14-001	*Garcinia oblongifolia*	黃牙果	3	158	2	F	F	F	L	Retain	Multiple trunk

Legend

- Existing Tree Proposed to be Retained
- Existing Tree Proposed to be Pruned
- Existing Tree Proposed to be Felled
- W-Line
- Pylon
- Proposed Works Area

HKE-W14-001

W14

N

Metres

0 5 10

Figure D2.39

Trees Adjacent to the Proposed Works Area at Pylon W14

File: T:\GIS\CONTRACT\0643361\mxd\Tree_Survey\0643361_Tree_Survey_W14.mxd
Date: 25/10/2023

Environmental Resources Management

ERM

Tree No.	*Scientific name*	Chinese name	Tree height (m)	Trunk diameter (mm)	Tree crown spread (m)	Form (Good/Fair/ Poor)	Health condition (Good/Fair/ Poor)	Structural condition (Good/Fair/ Poor)	Anticipated survival rate after transplanting (High/ Medium/ Low)	Recommendation (Retain/Fell/ Transplant)	Remarks (including justification for proposed tree removal, precious or rare or endangered species etc.)
HKE-W15-001	*Melaleuca leucadendra*	白千層	5	107	2.5	F	F	F	L	Retain	
HKE-W15-002	*Polyspora axillaris*	大頭茶	5	162	4	F	F	F	L	Retain	multi-trunk
HKE-W15-004	*Litsea glutinosa*	潺槁樹	4	139	3	P	F	P	L	Retain	multi-trunk, climber on tree

Legend

- Existing Tree Proposed to be Retained
- Existing Tree Proposed to be Pruned
- Existing Tree Proposed to be Felled
- W-Line
- Pylon
- Proposed Works Area

HKE-W15-001

HKE-W15-002

W15

HKE-W15-004

N

Metres

0 5 10

Figure D2.40

Trees Adjacent to the Proposed Works Area at Pylon W15

File: T:\GIS\CONTRACT\0643361\mxd\Tree_Survey\0643361_Tree_Survey_W15.mxd
Date: 25/10/2023

Environmental Resources Management

ERM

Legend

- Existing Tree Proposed to be Retained
- Existing Tree Proposed to be Pruned
- Existing Tree Proposed to be Felled
- W-Line
- Pylon
- Proposed Works Area

Tree No.	*Scientific name*	Chinese name	Tree height (m)	Trunk diameter (mm)	Tree crown spread (m)	Form (Good/Fair/ Poor)	Health condition (Good/Fair/ Poor)	Structural condition (Good/Fair/ Poor)	Anticipated survival rate after transplanting (High/ Medium/ Low)	Recommendation (Retain/Fell/ Transplant)	Remarks (including justification for proposed tree removal, precious or rare or endangered species etc.)
HKE-W16-001	*Polyspora axillaris*	大頭茶	4.5	120	3	F	F	F	L	Retain	
HKE-W16-002	*Polyspora axillaris*	大頭茶	4	170	3	F	F	F	L	Retain	
HKE-W16-003	*Schima superba*	木荷	3	164	2	P	P	P	L	Fell	Dead branch, climber on tree
HKE-W16-004	*Pinus massoniana*	馬尾松	4	182	2	F	F	F	L	Retain	
HKE-W16-005	*Pinus massoniana*	馬尾松	3	105	2	P	F	P	L	Fell	
HKE-W16-006	*Schima superba*	木荷	5	158	4	F	F	F	L	Retain	
HKE-W16-007	*Acronychia pedunculata*	山油柑	3.5	187	3	F	F	F	L	Retain	
HKE-W16-008	*Garcinia oblongifolia*	黃牙果	3.5	102	2	F	F	F	L	Retain	
HKE-W16-009	*Polyspora axillaris*	大頭茶	4	121	2	F	F	F	L	Retain	

HKE-W16-004
HKE-W16-005
HKE-W16-006
W16
HKE-W16-007
HKE-W16-008
HKE-W16-003
HKE-W16-001
HKE-W16-002
HKE-W16-009

N
Metres
0 5 10

Figure D2.41

Trees Adjacent to the Proposed Works Area at Pylon W16

File: T:\GIS\CONTRACT\0643361\mxd\Tree_Survey\0643361_Tree_Survey_W16.mxd
Date: 11/8/2023

Environmental Resources Management

ERM

HKE-W16-003: Tree to be felled

HKE-W16-005: Tree to be felled

Figure D2.41a

Site Photo Showing Trees that Will Be Affected at Pylon W16

DATE: May 2023

Environmental Resources Management

ERM

Legend

- Existing Tree Proposed to be Retained
- Existing Tree Proposed to be Pruned
- Existing Tree Proposed to be Felled
- W-Line
- Pylon
- Proposed Works Area

Tree No.	*Scientific name*	Chinese name	Tree height (m)	Trunk diameter (mm)	Tree crown spread (m)	Form (Good/Fair/ Poor)	Health condition (Good/Fair/ Poor)	Structural condition (Good/Fair/ Poor)	Anticipated survival rate after transplanting (High/ Medium/ Low)	Recommendation (Retain/Fell/ Transplant)	Remarks (including justification for proposed tree removal, precious or rare or endangered species etc.)
HKE-W17-001	*Schima superba*	木荷	4	152	3	F	F	F	L	Retain	
HKE-W17-002	*Pinus massoniana*	馬尾松	4	200	3	F	F	F	L	Retain	
HKE-W17-003	*Pinus massoniana*	馬尾松	4	158	3	F	F	F	L	Retain	Climber on tree
HKE-W17-005	*Polyspora axillaris*	大頭茶	5	103	3	F	F	F	L	Retain	
HKE-W17-006	*Pinus massoniana*	馬尾松	4	128	3	F	F	F	L	Retain	
HKE-W17-007	*Pinus massoniana*	馬尾松	3	110	2	F	F	F	L	Retain	

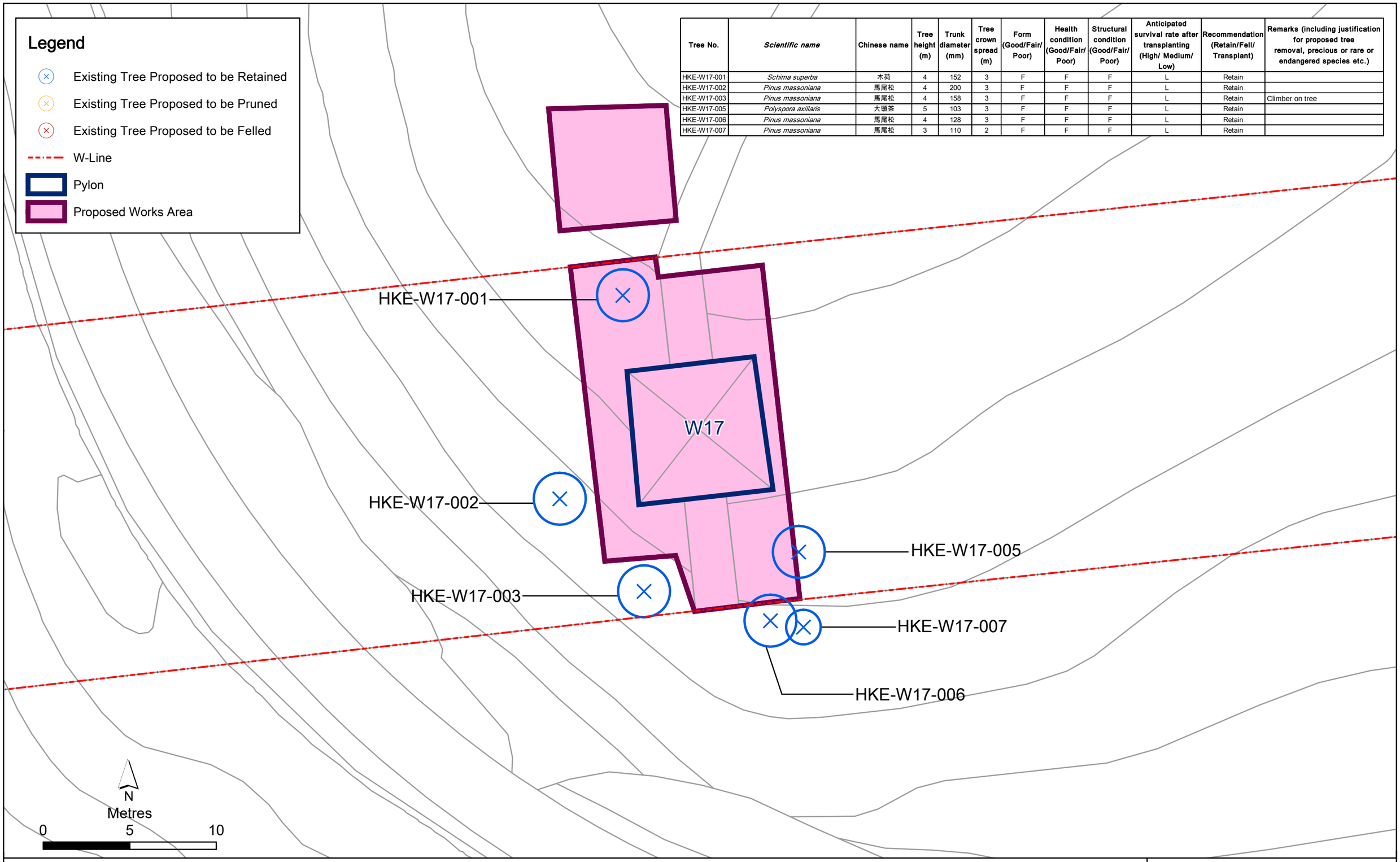


Figure D2.42

Trees Adjacent to the Proposed Works Area at Pylon W17

File: T:\GIS\CONTRACT\0643361\mxd\Tree_Survey\0643361_Tree_Survey_W17.mxd
Date: 25/10/2023

Environmental Resources Management

ERM

Legend

- Existing Tree Proposed to be Retained
- Existing Tree Proposed to be Pruned
- Existing Tree Proposed to be Felled
- W-Line
- Pylon
- Proposed Works Area

Tree No.	*Scientific name*	Chinese name	Tree height (m)	Trunk diameter (mm)	Tree crown spread (m)	Form (Good/Fair/ Poor)	Health condition (Good/Fair/ Poor)	Structural condition (Good/Fair/ Poor)	Anticipated survival rate after transplanting (High/ Medium/ Low)	Recommendation (Retain/Fell/ Transplant)	Remarks (including justification for proposed tree removal, precious or rare or endangered species etc.)
HKE-W18-001	*Pinus massoniana*	馬尾松	3	113	2	F	F	F	L	Retain	
HKE-W18-002	*Schima superba*	木荷	5	166	4	F	F	F	L	Retain	
HKE-W18-003	*Pinus massoniana*	馬尾松	5	210	3	F	F	F	L	Retain	
HKE-W18-004	*Pinus massoniana*	馬尾松	3	155	5	F	F	F	L	Retain	
HKE-W18-005	*Pinus massoniana*	馬尾松	3	140	3	F	F	F	L	Retain	

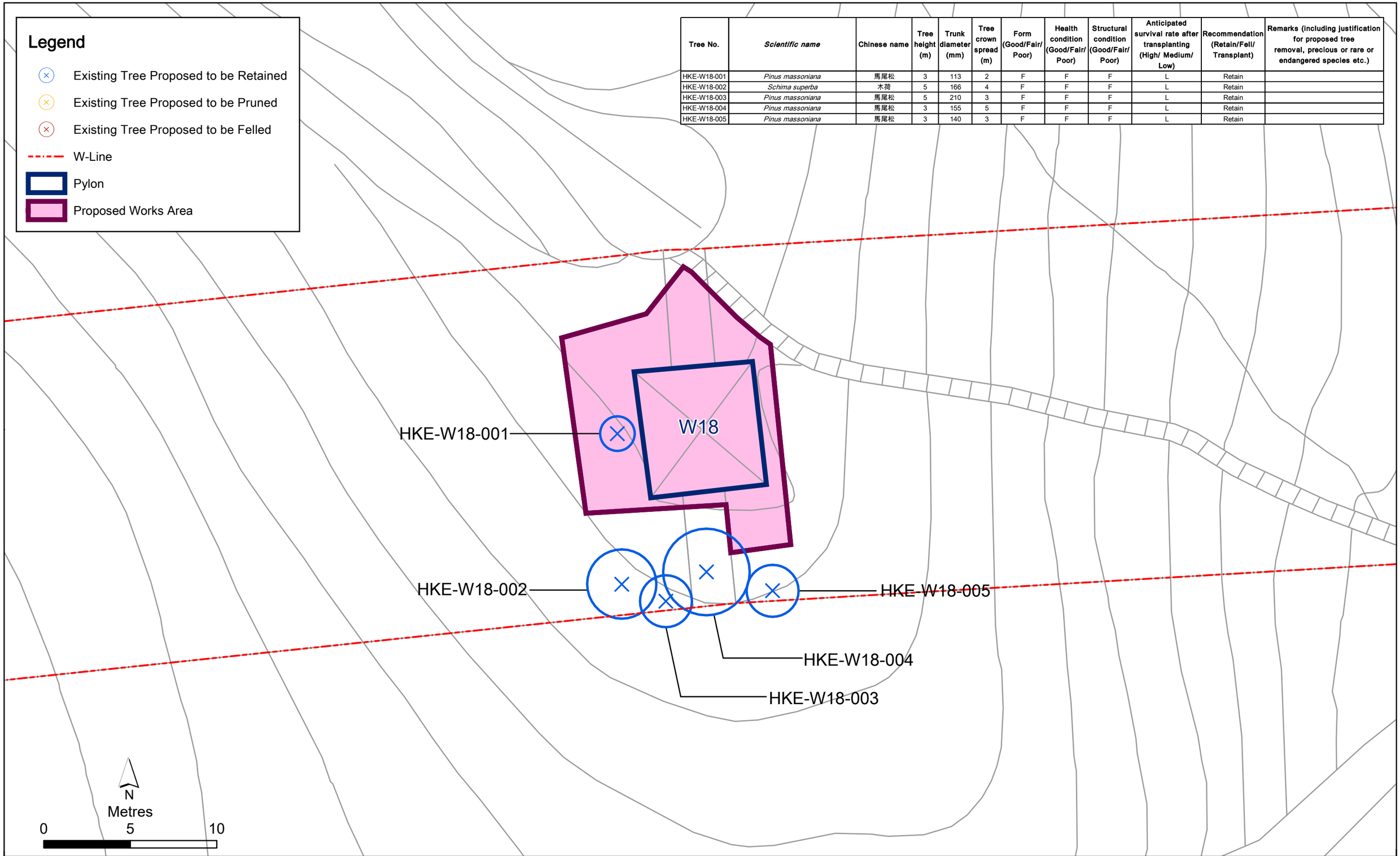


Figure D2.43

Trees Adjacent to the Proposed Works Area at Pylon W18

File: T:\GIS\CONTRACT\0643361\mxd\Tree_Survey\0643361_Tree_Survey_W18.mxd
Date: 25/10/2023

Environmental Resources Management

ERM

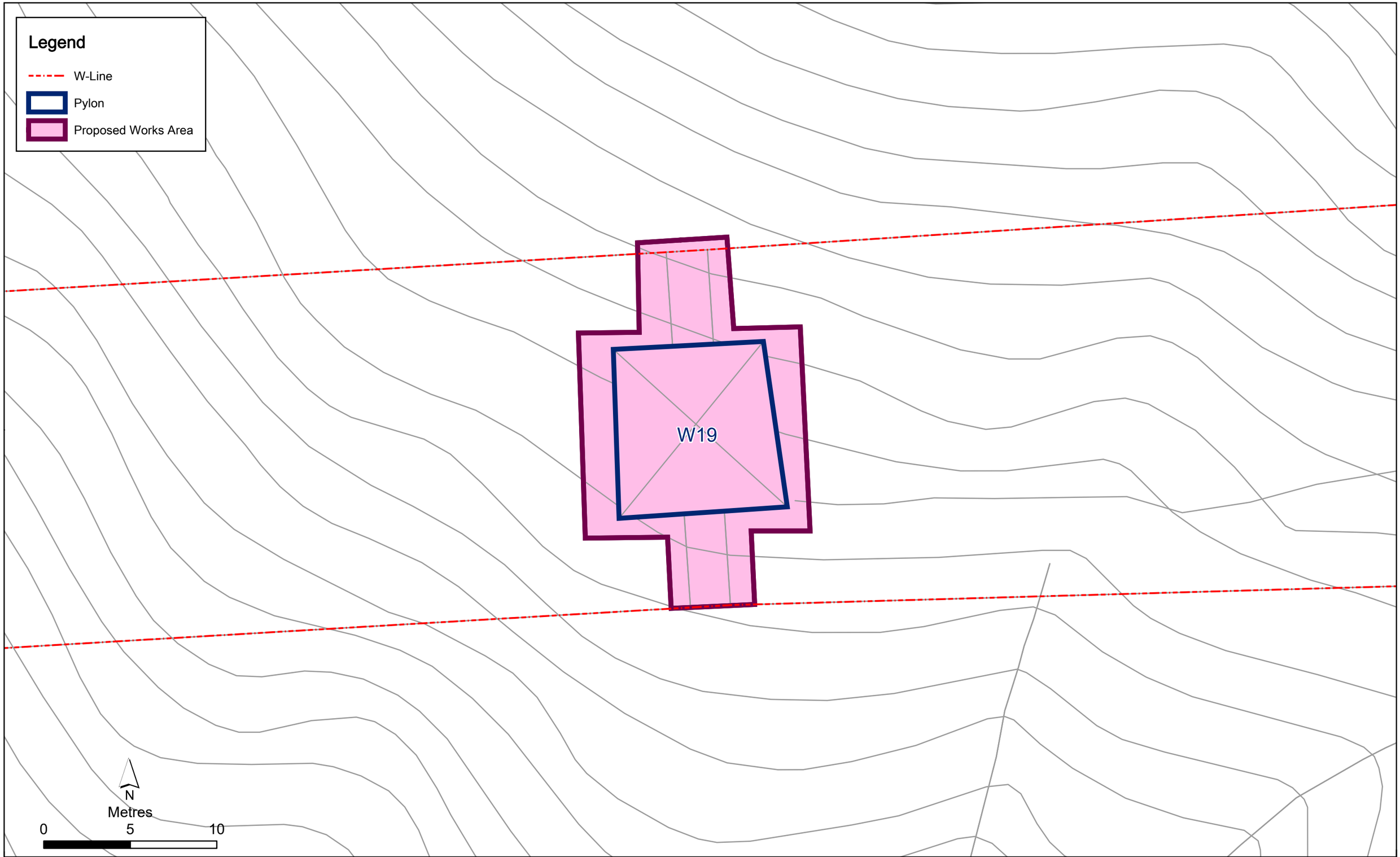


Figure D2.44

Trees Adjacent to the Proposed Works Area at Pylon W19

File: T:\GIS\CONTRACT\0643361\mxd\Tree_Survey\0643361_Tree_Survey_W19.mxd
Date: 11/8/2023

Environmental Resources Management

ERM

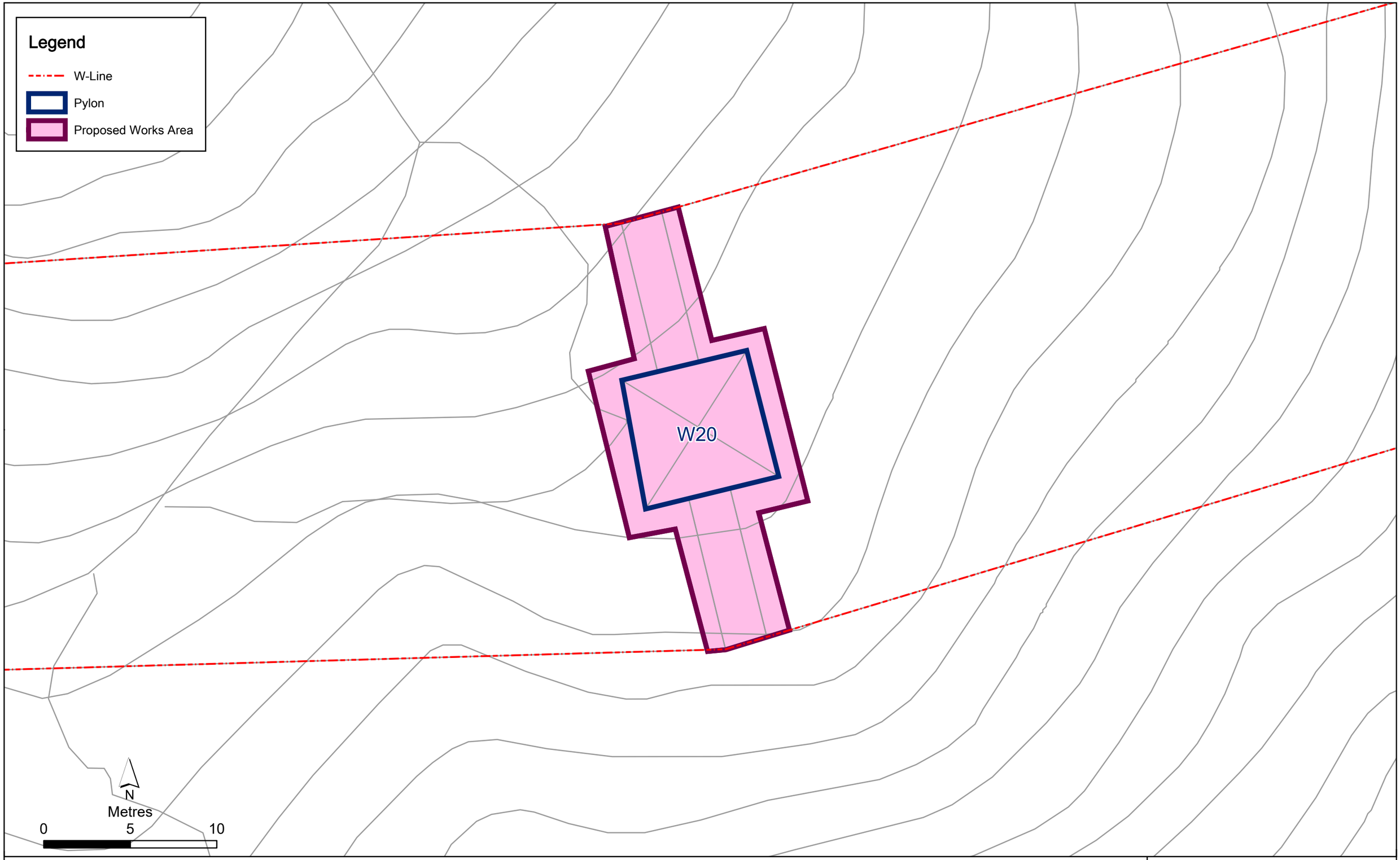


Figure D2.45

Trees Adjacent to the Proposed Works Area at Pylon W20

File: T:\GIS\CONTRACT\0643361\mxd\Tree_Survey\0643361_Tree_Survey_W20.mxd
Date: 11/8/2023

Environmental Resources Management

ERM

Legend

- Existing Tree Proposed to be Retained
- Existing Tree Proposed to be Pruned
- Existing Tree Proposed to be Felled
- W-Line
- Pylon
- Proposed Works Area

Tree No.	*Scientific name*	Chinese name	Tree height (m)	Trunk diameter (mm)	Tree crown spread (m)	Form (Good/Fair/ Poor)	Health condition (Good/Fair/ Poor)	Structural condition (Good/Fair/ Poor)	Anticipated survival rate after transplanting (High/ Medium/ Low)	Recommendation (Retain/Fell/ Transplant)	Remarks (including justification for proposed tree removal, precious or rare or endangered species etc.)
HKE-W21-001	*Machilus chekiangensis*	浙江潤楠	5	149	2	F	F	F	L	Retain	
HKE-W21-002	*Cyclobalanopsis myrsinifolia*	小葉青岡	5	251	4	P	P	P	L	Prune	Decay
HKE-W21-003	*Endospermum chinense*	黃桐	6	120	3	F	F	F	L	Retain	
HKE-W21-004	*Pinus massoniana*	馬尾松	4	238	2	F	F	F	L	Retain	
HKE-W21-005	*Pinus massoniana*	馬尾松	4	242	2	F	F	F	L	Retain	
HKE-W21-006	*Cyclobalanopsis myrsinifolia*	小葉青岡	4	128	3	F	F	F	L	Prune	Co-dominant trunk

HKE-W21-001

HKE-W21-006

HKE-W21-002

W21

HKE-W21-003

HKE-W21-005

HKE-W21-004

N

Metres

0 5 10

Figure D2.46

Trees Adjacent to the Proposed Works Area at Pylon W21

File: T:\GIS\CONTRACT\0643361\mxd\Tree_Survey\0643361_Tree_Survey_W21.mxd
Date: 25/10/2023

Environmental Resources Management

ERM

HKE-W21-002: Tree pruning required

HKE-W21-006: Tree pruning required

Figure D2.46a

Site Photo Showing Trees that Will Be Affected at Pylon W21

DATE: May 2023

Environmental Resources Management

ERM

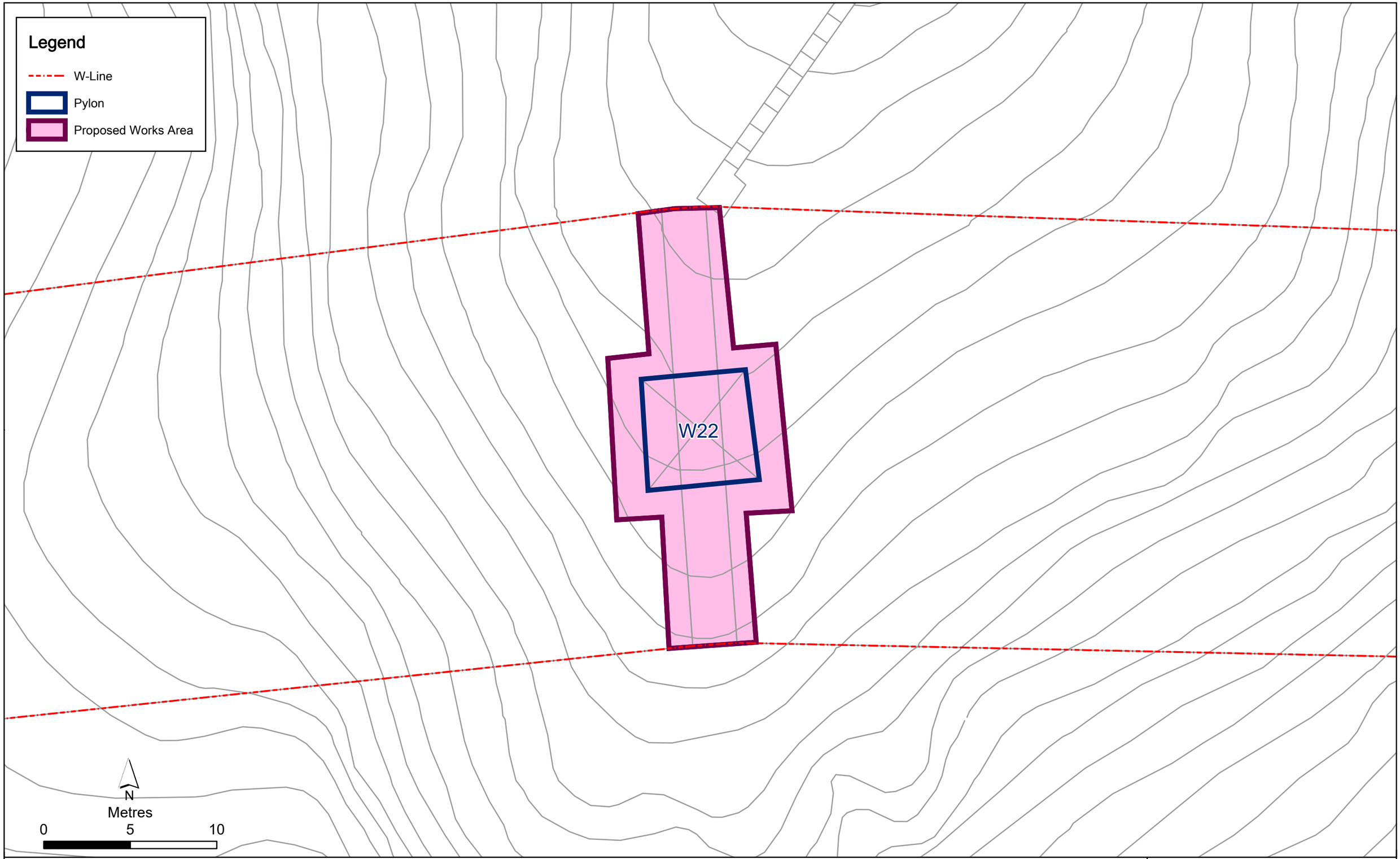


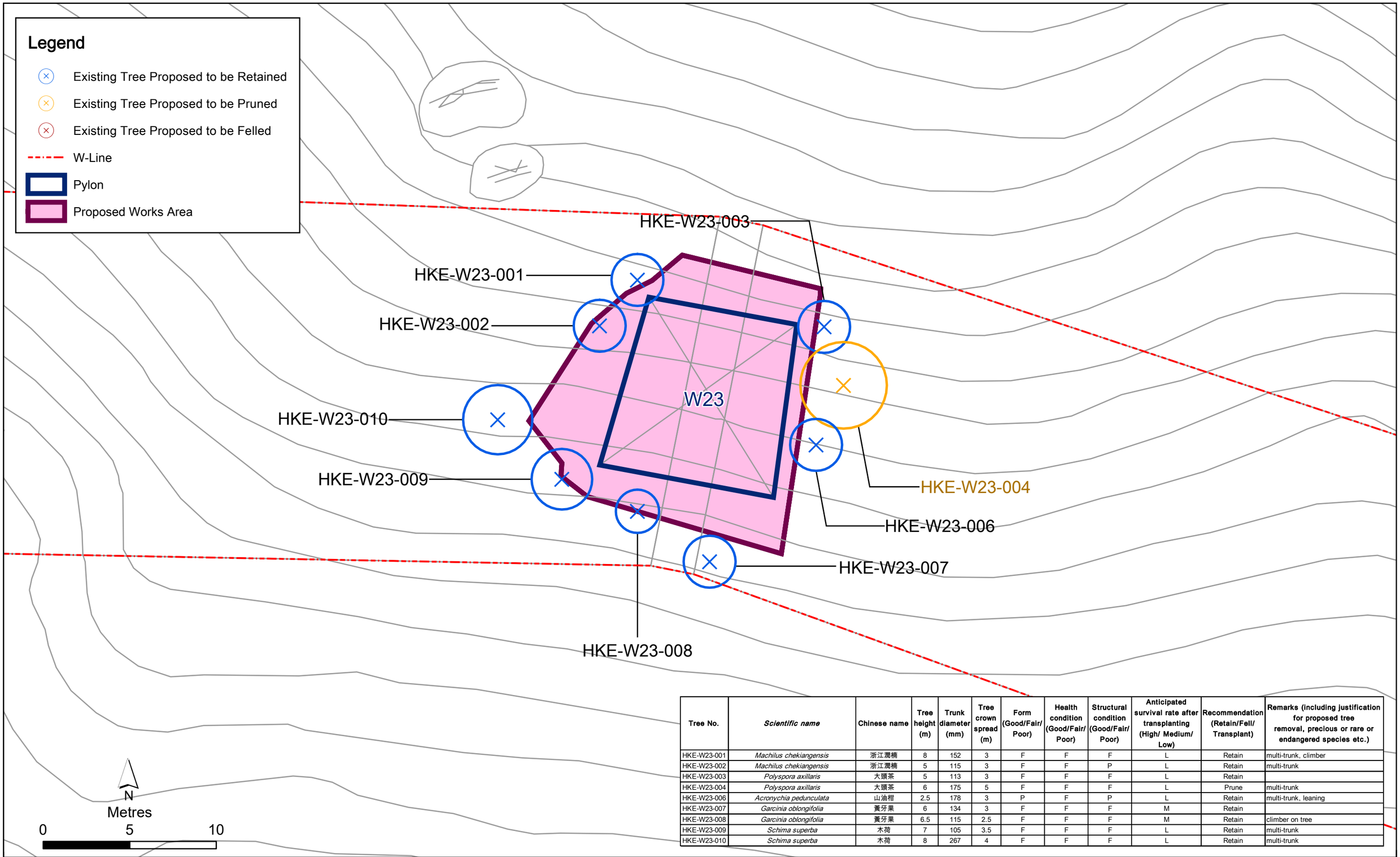
Figure D2.47

Trees Adjacent to the Proposed Works Area at Pylon W22

File: T:\GIS\CONTRACT\0643361\mxd\Tree_Survey\0643361_Tree_Survey_W22.mxd
Date: 11/8/2023

Environmental Resources Management

ERM



Tree No.	*Scientific name*	Chinese name	Tree height (m)	Trunk diameter (mm)	Tree crown spread (m)	Form (Good/Fair/ Poor)	Health condition (Good/Fair/ Poor)	Structural condition (Good/Fair/ Poor)	Anticipated survival rate after transplanting (High/ Medium/ Low)	Recommendation (Retain/Fell/ Transplant)	Remarks (including justification for proposed tree removal, precious or rare or endangered species etc.)
HKE-W23-001	*Machilus chekiangensis*	浙江潤楠	8	152	3	F	F	F	L	Retain	multi-trunk, climber
HKE-W23-002	*Machilus chekiangensis*	浙江潤楠	5	115	3	F	F	P	L	Retain	multi-trunk
HKE-W23-003	*Polyspora axillaris*	大頭茶	5	113	3	F	F	F	L	Retain	
HKE-W23-004	*Polyspora axillaris*	大頭茶	6	175	5	F	F	F	L	Prune	multi-trunk
HKE-W23-006	*Acronychia pedunculata*	山油柑	2.5	178	3	P	F	P	L	Retain	multi-trunk, leaning
HKE-W23-007	*Garcinia oblongifolia*	黃牙果	6	134	3	F	F	F	M	Retain	
HKE-W23-008	*Garcinia oblongifolia*	黃牙果	6.5	115	2.5	F	F	F	M	Retain	climber on tree
HKE-W23-009	*Schima superba*	木荷	7	105	3.5	F	F	F	L	Retain	multi-trunk
HKE-W23-010	*Schima superba*	木荷	8	267	4	F	F	F	L	Retain	multi-trunk

Figure D2.48

Trees Adjacent to the Proposed Works Area at Pylon W23

File: T:\GIS\CONTRACT\0643361\mxd\Tree_Survey\0643361_Tree_Survey_W23.mxd
Date: 25/10/2023

Environmental Resources Management

ERM

HKE-W23-004: Tree pruning required

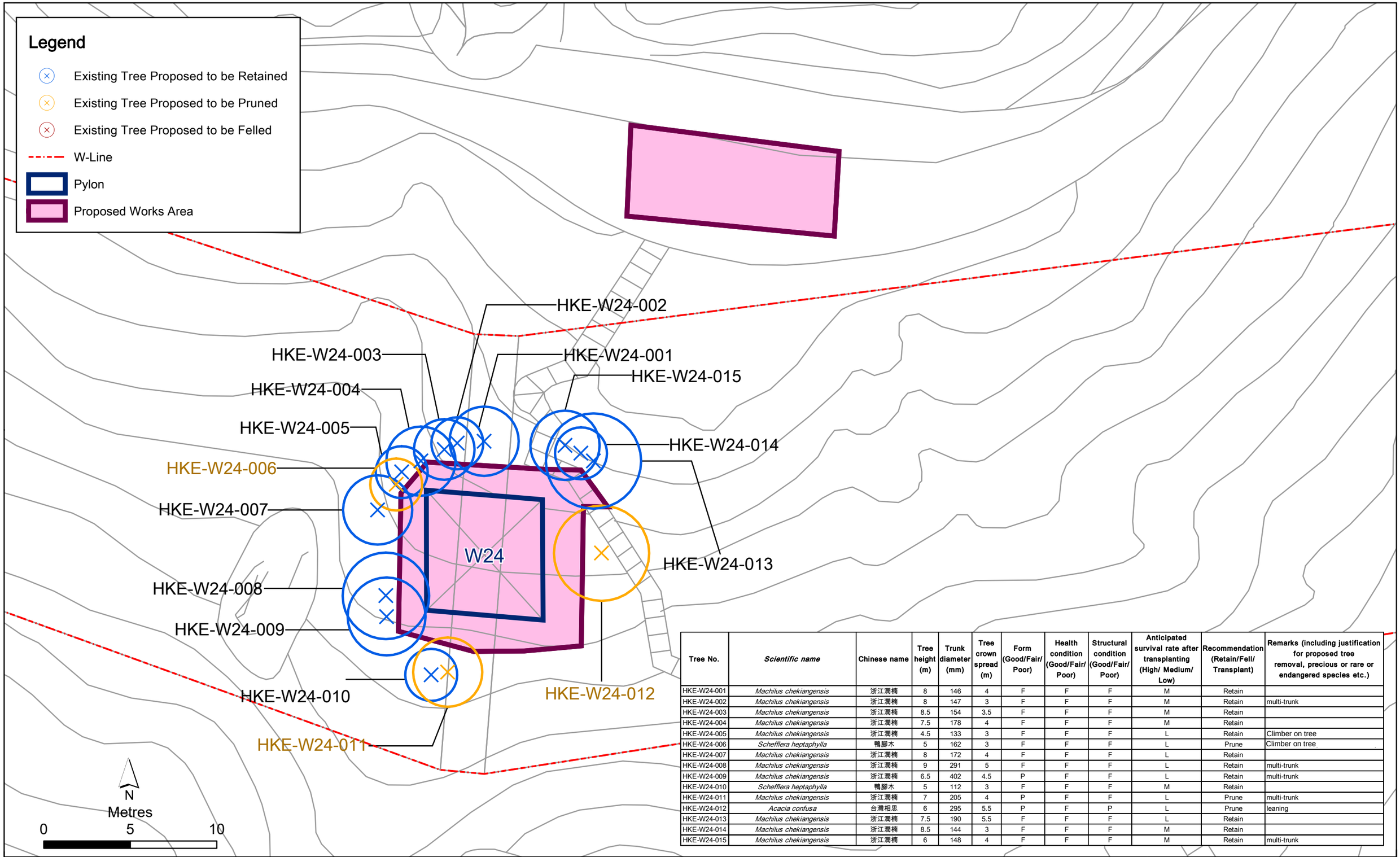
Figure D2.48a

Site Photo Showing Trees that Will Be Affected at Pylon W23

DATE: October 2022

Environmental Resources Management

ERM



Tree No.	*Scientific name*	Chinese name	Tree height (m)	Trunk diameter (mm)	Tree crown spread (m)	Form (Good/Fair/ Poor)	Health condition (Good/Fair/ Poor)	Structural condition (Good/Fair/ Poor)	Anticipated survival rate after transplanting (High/ Medium/ Low)	Recommendation (Retain/Fell/ Transplant)	Remarks (including justification for proposed tree removal, precious or rare or endangered species etc.)
HKE-W24-001	*Machilus chekiangensis*	浙江潤楠	8	146	4	F	F	F	M	Retain	
HKE-W24-002	*Machilus chekiangensis*	浙江潤楠	8	147	3	F	F	F	M	Retain	multi-trunk
HKE-W24-003	*Machilus chekiangensis*	浙江潤楠	8.5	154	3.5	F	F	F	M	Retain	
HKE-W24-004	*Machilus chekiangensis*	浙江潤楠	7.5	178	4	F	F	F	M	Retain	
HKE-W24-005	*Machilus chekiangensis*	浙江潤楠	4.5	133	3	F	F	F	L	Retain	Climber on tree
HKE-W24-006	*Schefflera heptaphylla*	鴨腳木	5	162	3	F	F	F	L	Prune	Climber on tree
HKE-W24-007	*Machilus chekiangensis*	浙江潤楠	8	172	4	F	F	F	L	Retain	
HKE-W24-008	*Machilus chekiangensis*	浙江潤楠	9	291	5	F	F	F	L	Retain	multi-trunk
HKE-W24-009	*Machilus chekiangensis*	浙江潤楠	6.5	402	4.5	P	F	F	L	Retain	multi-trunk
HKE-W24-010	*Schefflera heptaphylla*	鴨腳木	5	112	3	F	F	F	M	Retain	
HKE-W24-011	*Machilus chekiangensis*	浙江潤楠	7	205	4	P	F	F	L	Prune	multi-trunk
HKE-W24-012	*Acacia confusa*	台灣相思	6	295	5.5	P	F	P	L	Prune	leaning
HKE-W24-013	*Machilus chekiangensis*	浙江潤楠	7.5	190	5.5	F	F	F	L	Retain	
HKE-W24-014	*Machilus chekiangensis*	浙江潤楠	8.5	144	3	F	F	F	M	Retain	
HKE-W24-015	*Machilus chekiangensis*	浙江潤楠	6	148	4	F	F	F	M	Retain	multi-trunk

Figure D2.49

Trees Adjacent to the Proposed Works Area at Pylon W24

File: T:\GIS\CONTRACT\0643361\mxd\Tree_Survey\0643361_Tree_Survey_W24.mxd
Date: 25/10/2023

Environmental Resources Management

ERM

HKE-W24-006: Tree pruning required

HKE-W24-011: Tree pruning required

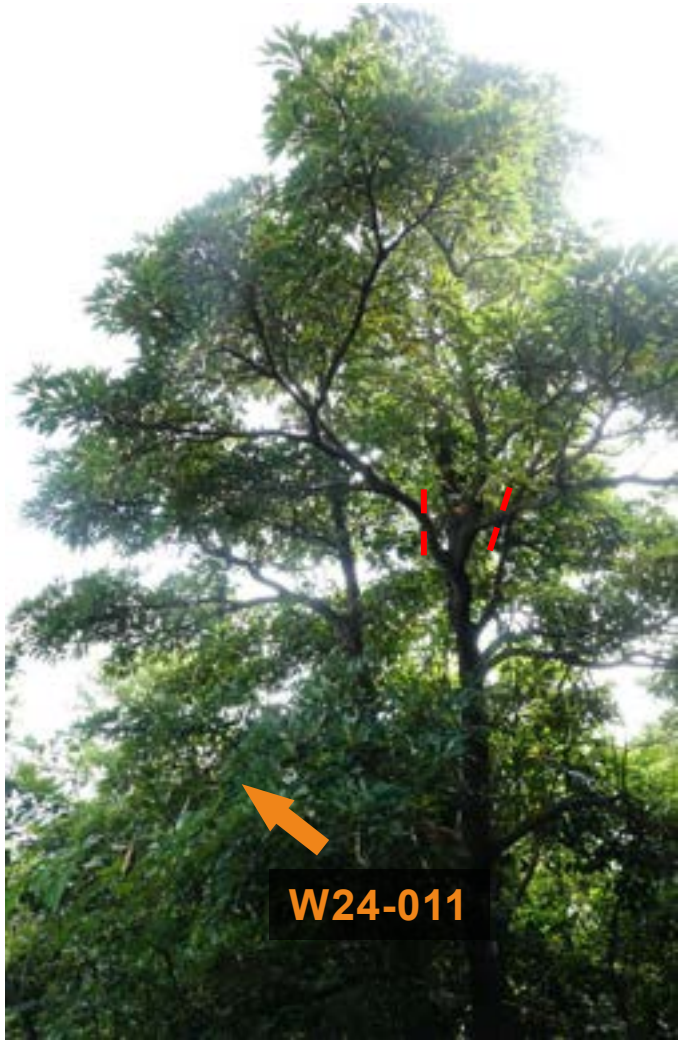


Figure D2.49a

Site Photo Showing Trees that Will Be Affected at Pylon W24

DATE: October 2022

Environmental Resources Management

ERM

HKE-W24-012: Tree pruning required

Figure D2.49b

Site Photo Showing Trees that Will Be Affected at Pylon W24

DATE: October 2022

Environmental Resources Management

ERM

Tree No.	*Scientific name*	Chinese name	Tree height (m)	Trunk diameter (mm)	Tree crown spread (m)	Form (Good/Fair/ Poor)	Health condition (Good/Fair/ Poor)	Structural condition (Good/Fair/ Poor)	Anticipated survival rate after transplanting (High/ Medium/ Low)	Recommendation (Retain/Fell/ Transplant)	Remarks (including justification for proposed tree removal, precious or rare or endangered species etc.)
HKE-W25-001	*Schefflera heptaphylla*	鴨腳木	3.5	113	4	F	F	F	M	Retain	
HKE-W25-002	*Cinnamomum parthenoxylon*	黃樟	4	176	3.5	F	F	F	L	Retain	Multi-trunk, climber on tree
HKE-W25-003	*Turpinia montana*	山香圓	4	113	2	F	F	F	M	Retain	climer on tree
HKE-W25-004	*Machilus chekiangensis*	浙江潤楠	3.5	138	5	F	F	F	M	Prune	climer on tree
HKE-W25-005	*Cinnamomum parthenoxylon*	黃樟	5	229	3	F	F	F	M	Retain	
HKE-W25-006	*Machilus chekiangensis*	浙江潤楠	7	138	3	F	F	F	M	Retain	Climber on tree
HKE-W25-007	*Schefflera heptaphylla*	鴨腳木	2	115	3	P	P	P	L	Retain	multi-trunk
HKE-W25-008	*Cinnamomum parthenoxylon*	黃樟	6	206	4	F	F	F	M	Retain	Multi-trunk, climber on tree

Legend

- Existing Tree Proposed to be Retained
- Existing Tree Proposed to be Pruned
- Existing Tree Proposed to be Felled
- W-Line
- Pylon
- Proposed Works Area

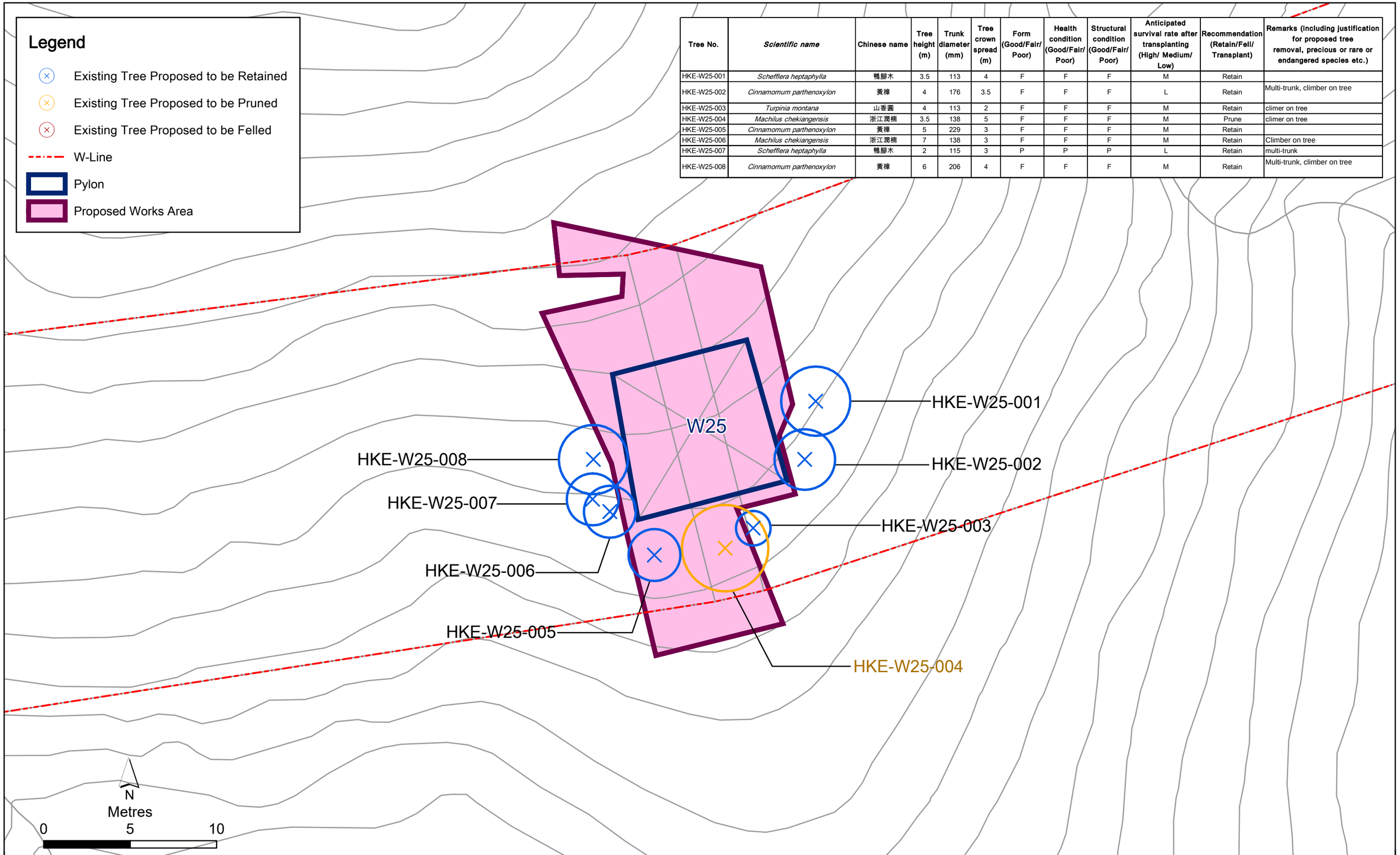


Figure D2.50

Trees Adjacent to the Proposed Works Area at Pylon W25

File: T:\GIS\CONTRACT\0643361\mxd\Tree_Survey\0643361_Tree_Survey_W25.mxd
Date: 25/10/2023

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HKE-W25-004: Tree pruning required

Figure D2.50a

Site Photo Showing Trees that Will Be Affected at Pylon W25

DATE: October 2022

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Tree No.	*Scientific name*	Chinese name	Tree height (m)	Trunk diameter (mm)	Tree crown spread (m)	Form (Good/Fair/ Poor)	Health condition (Good/Fair/ Poor)	Structural condition (Good/Fair/ Poor)	Anticipated survival rate after transplanting (High/ Medium/ Low)	Recommendation (Retain/Fell/ Transplant)	Remarks (including justification for proposed tree removal, precious or rare or endangered species etc.)
HKE-W26-001	*Ficus microcarpa*	細葉榕	6.5	465	6	F	F	F	L	Retain	on slope, multi-trunk
HKE-W26-002	*Celtis sinensis*	朴樹	4	130	2	F	F	F	L	Retain	multi-trunk
HKE-W26-003	*Celtis sinensis*	朴樹	6.5	250	5.5	F	F	F	M	Retain	dead branch
HKE-W26-004	*Rhus succedanea*	野漆樹	4.5	96	2.5	P	P	P	L	Retain	dead branch
HKE-W26-005	*Ficus variegata*	青果榕	6	160	3.5	F	F	F	M	Retain	climber on trunk
HKE-W26-006	*Artocarpus hypargyreus*	白桂木	7	150	2	F	F	F	M	Retain	Climber on tree
HKE-W26-007	*Machilus chekiangensis*	浙江潤楠	6	130	1	F	F	F	L	Retain	Climber on tree
HKE-W26-008	*Cinnamomum parthenoxylon*	黃樟	6.5	173	3	F	F	F	M	Retain	
HKE-W26-009	*Artocarpus hypargyreus*	白桂木	5.8	113	2.5	F	F	F	M	Retain	
HKE-W26-010	*Artocarpus hypargyreus*	白桂木	6.5	128	3	F	F	F	M	Retain	
HKE-W26-011	*Machilus chekiangensis*	浙江潤楠	6	121	2	P	P	P	L	Retain	
HKE-W26-012	*Machilus chekiangensis*	浙江潤楠	5.5	163	3	P	P	P	L	Retain	roots hole

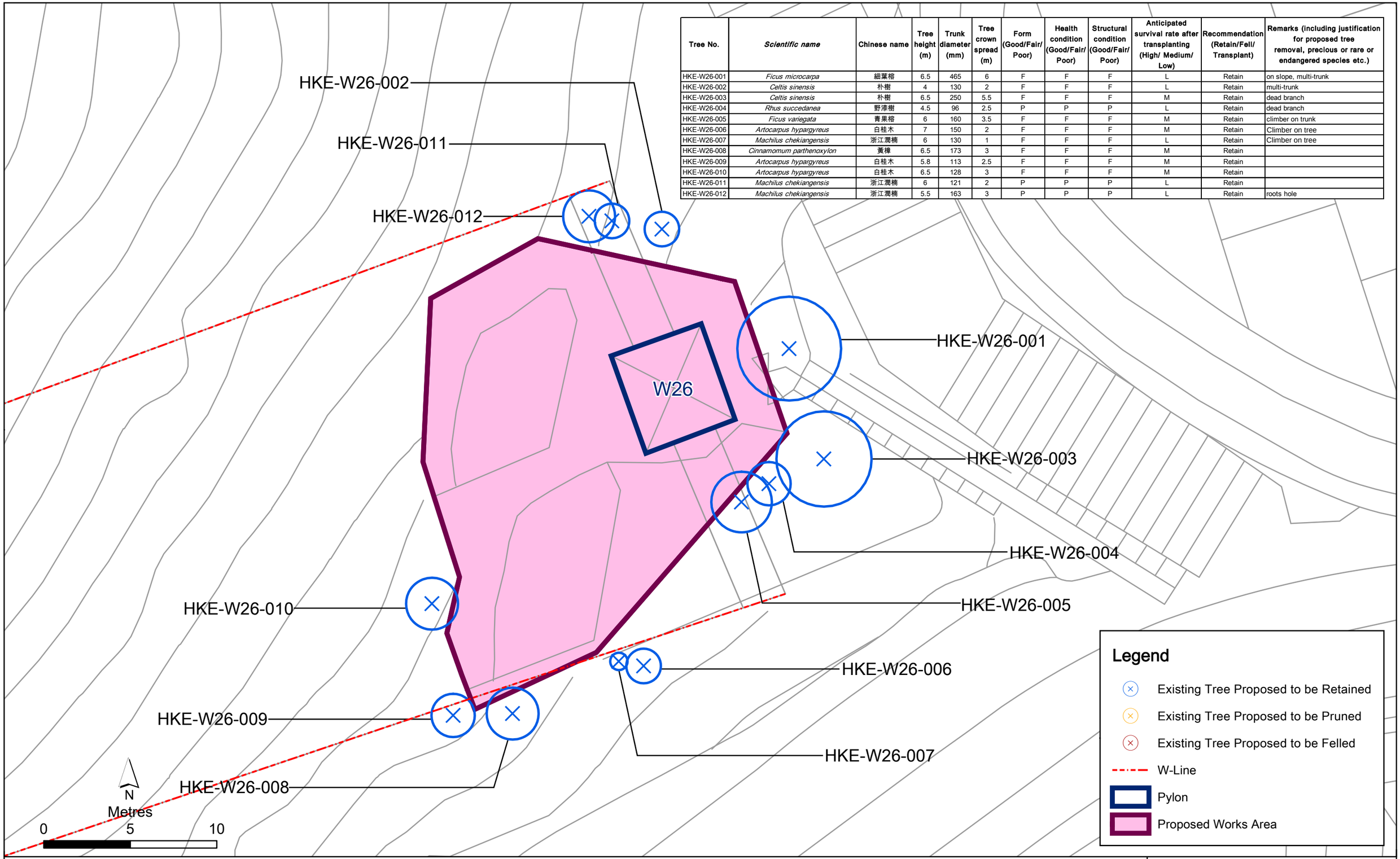

Figure D2.51

Trees Adjacent to the Proposed Works Area at Pylon W26

File: T:\GIS\CONTRACT\0643361\mxd\Tree_Survey\0643361_Tree_Survey_W26.mxd
Date: 11/8/2023

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APPENDIX E LOCATION PLAN AND PHOTOGRAPHS OF BUILT HERITAGE RESOURCES

Legend

- B-Line
- W-Line
- Pylon
- Proposed Works Area
- 100m from Proposed Works Area
- Declared Monument

Graded Historic Building

- Grade 2
- Grade 3

B12

W11

W12

GB-03
Aberdeen Reservoir,
Lower Reservoir,
Aberdeen Management Centre

GB-02
Aberdeen Reservoir,
Lower Reservoir,
Valve House

DM-01
Aberdeen Lower
Reservoir, Dam

GB-01
Aberdeen Reservoir,
Lower Reservoir,
Pump House

GB-04
Aberdeen Reservoir,
Lower Reservoir, Chemical
House and Air Vents

N

Metres

0 30 60

Appendix E1

Zoom in Plan showing Location of Aberdeen Reservoir, Lower Reservoir Site

File: T:\GIS\CONTRACT\0643361\mxd\CH_Survey\Zoom-in\0643361_Cultural_Heritage_(W11-W12).mxd
Date: 20/11/2023

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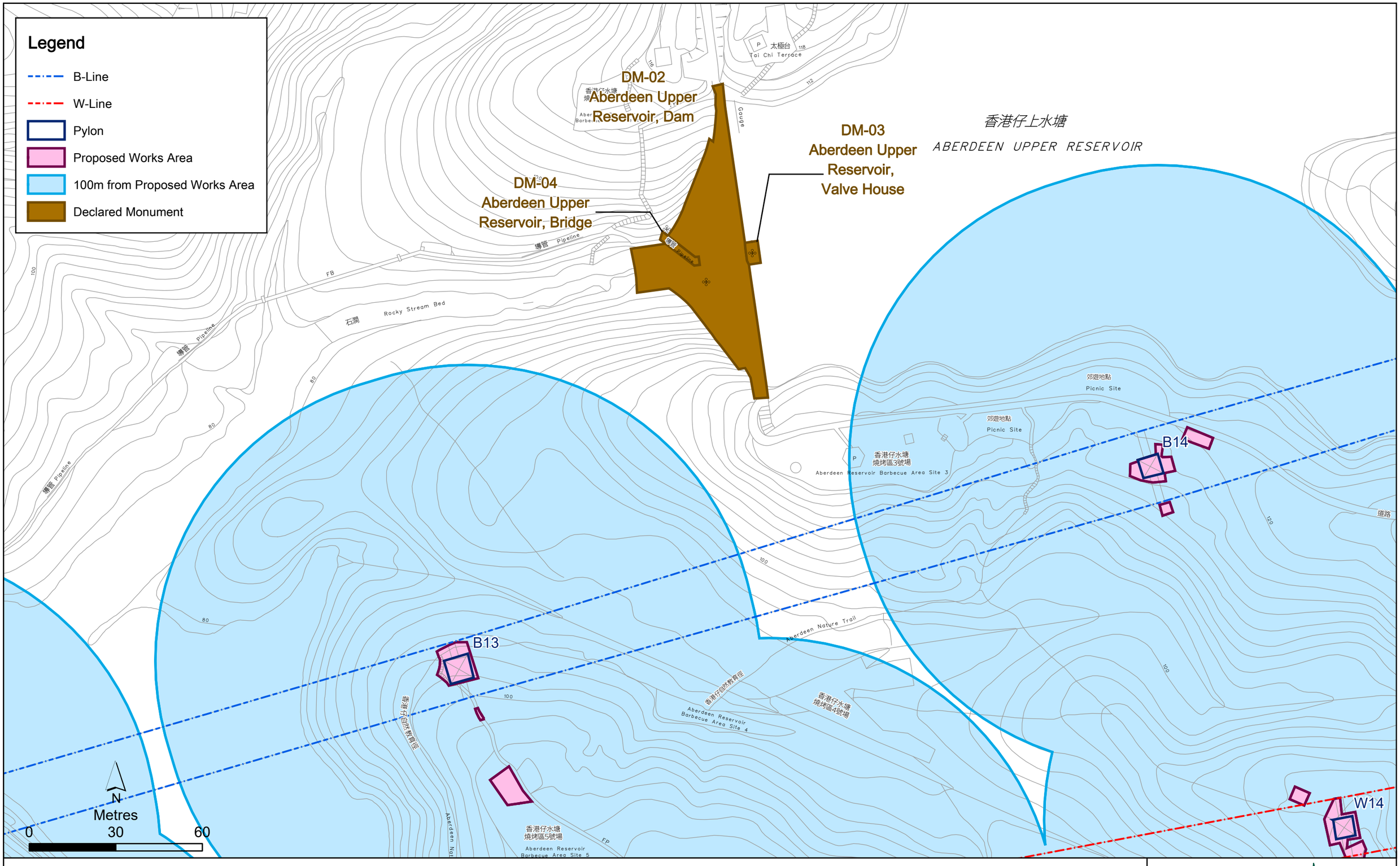
DM-01 - Aberdeen Lower Reservoir, Dam

GB-01 – Aberdeen Reservoir, Lower Reservoir, Pump House

GB-02 - Aberdeen Reservoir, Lower Reservoir, Valve House

GB-03 – Aberdeen Reservoir, Lower Reservoir, Aberdeen Management Centre

GB-04 - Aberdeen Reservoir, Lower Reservoir, Chemical House and Air Vents



Appendix E3

Zoom in Plan showing Location of Aberdeen Upper Reservoir Site

File: T:\GIS\CONTRACT\0643361\mxd\CH_Survey\Zoom-in\0643361_Cultural_Heritage_(B13-B14).mxd
Date: 20/11/2023

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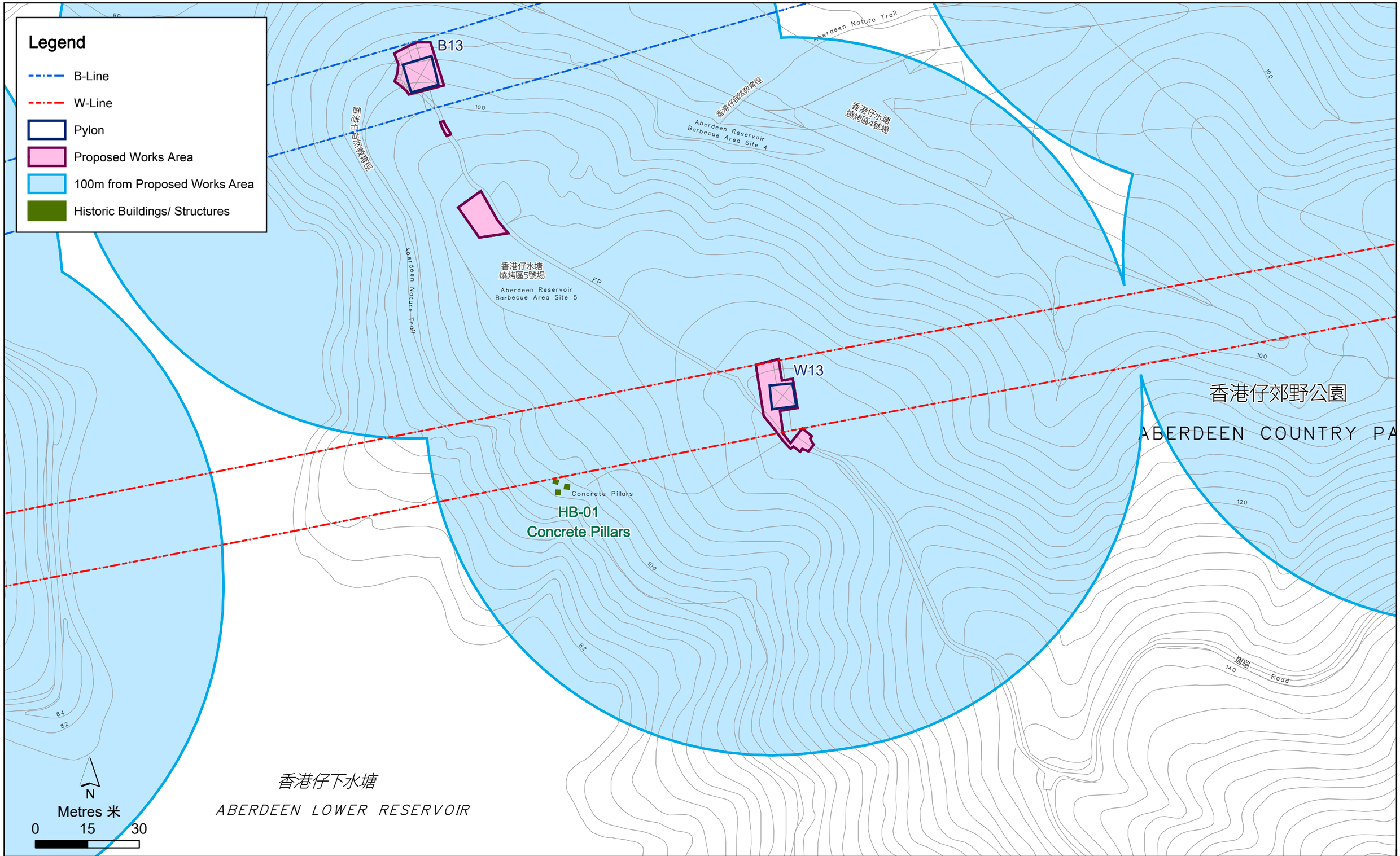
DM-02 – Aberdeen Upper Reservoir, Dam

DM-03 - Aberdeen Upper Reservoir, Valve House

DM-04 - Aberdeen Upper Reservoir, Bridge



Appendix E5

Zoom in Plan showing Location of Concrete Pillars

File: T:\GIS\CONTRACT\0643361\mxd\CH_Survey\Zoom-in\0643361_Cultural_Heritage_(W13).mxd
Date: 20/11/2023

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Appendix E6

Concrete Pillars

DATE: 07/06/2022

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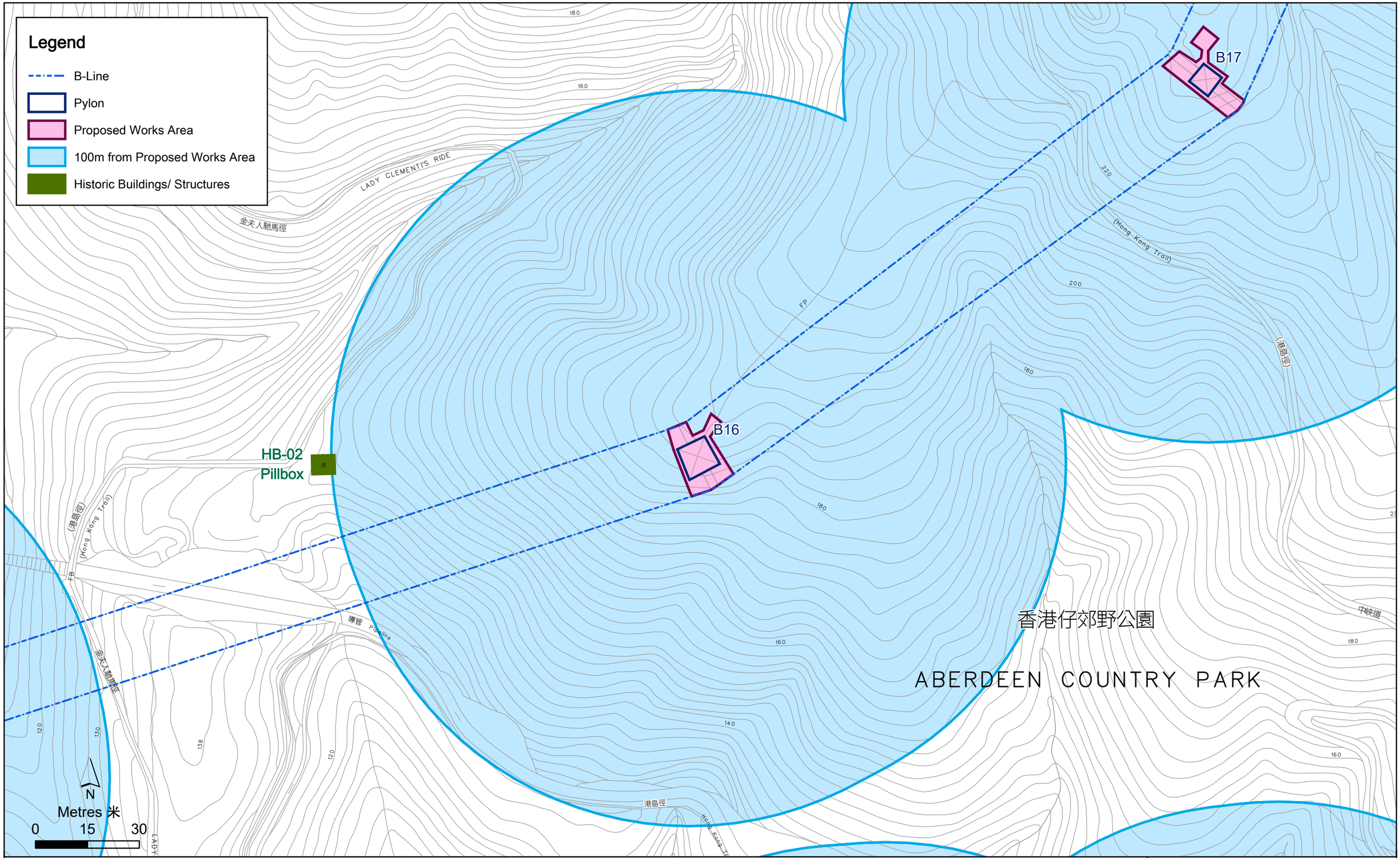

Appendix E7

Zoom in Plan showing Location of the Pillbox

File: T:\GIS\CONTRACT\0643361\mxd\CH_Survey\Zoom-in\0643361_Cultural_Heritage_(B16).mxd
Date: 20/11/2023

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General view

Exit of Pillbox

Inside of Pillbox

Appendix E8

Pillbox

DATE: 07/06/2022

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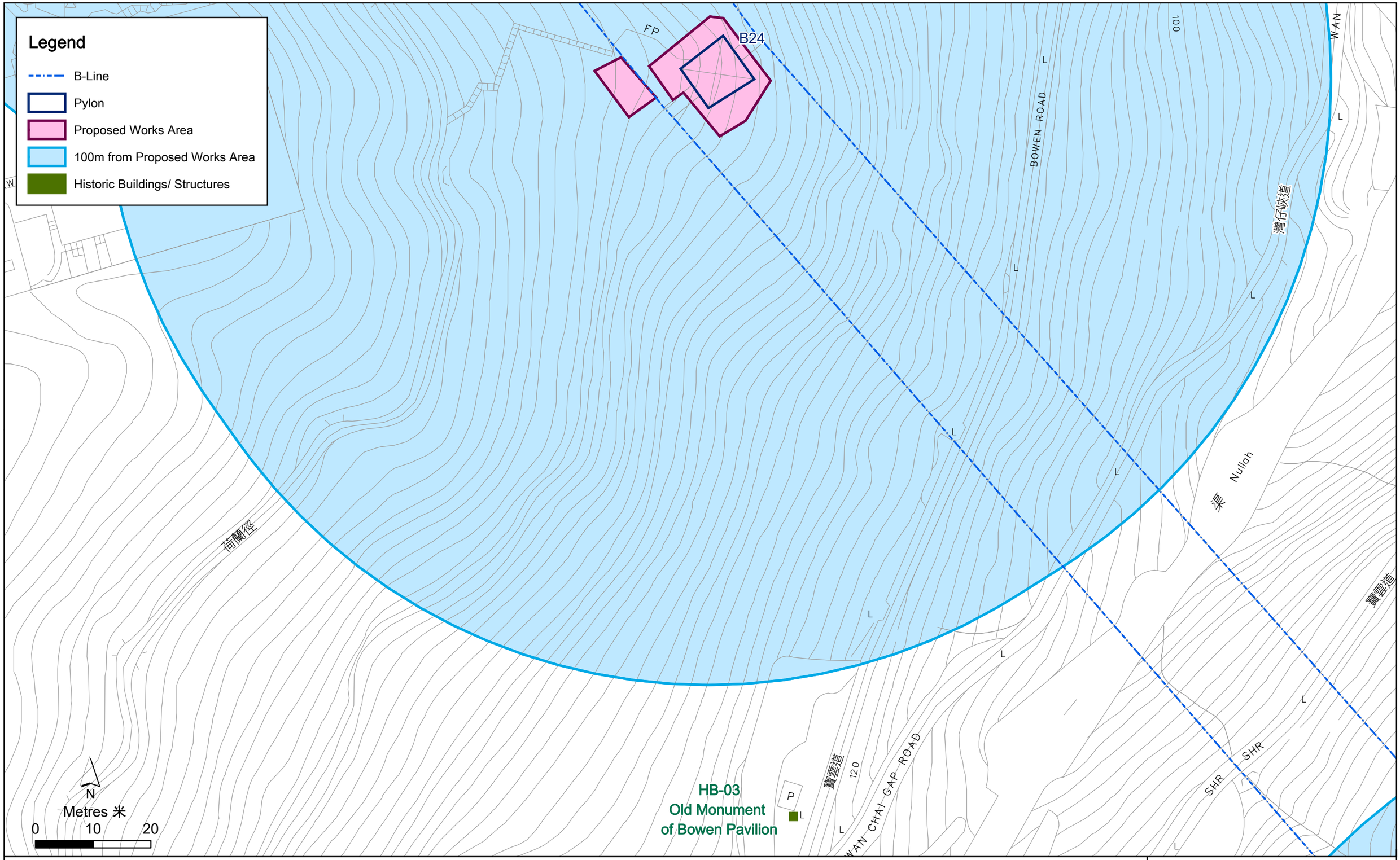

Appendix E9

Zoom in Plan showing Location of Monument Plaque of Bowen Pavilion

File: T:\GIS\CONTRACT\0643361\mxd\CH_Survey\Zoom-in\0643361_Cultural_Heritage_(B23).mxd
Date: 20/11/2023

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Appendix E10

Monument Plaque of Bowen Pavilion constructed in 1961/62

DATE: 17/02/2023

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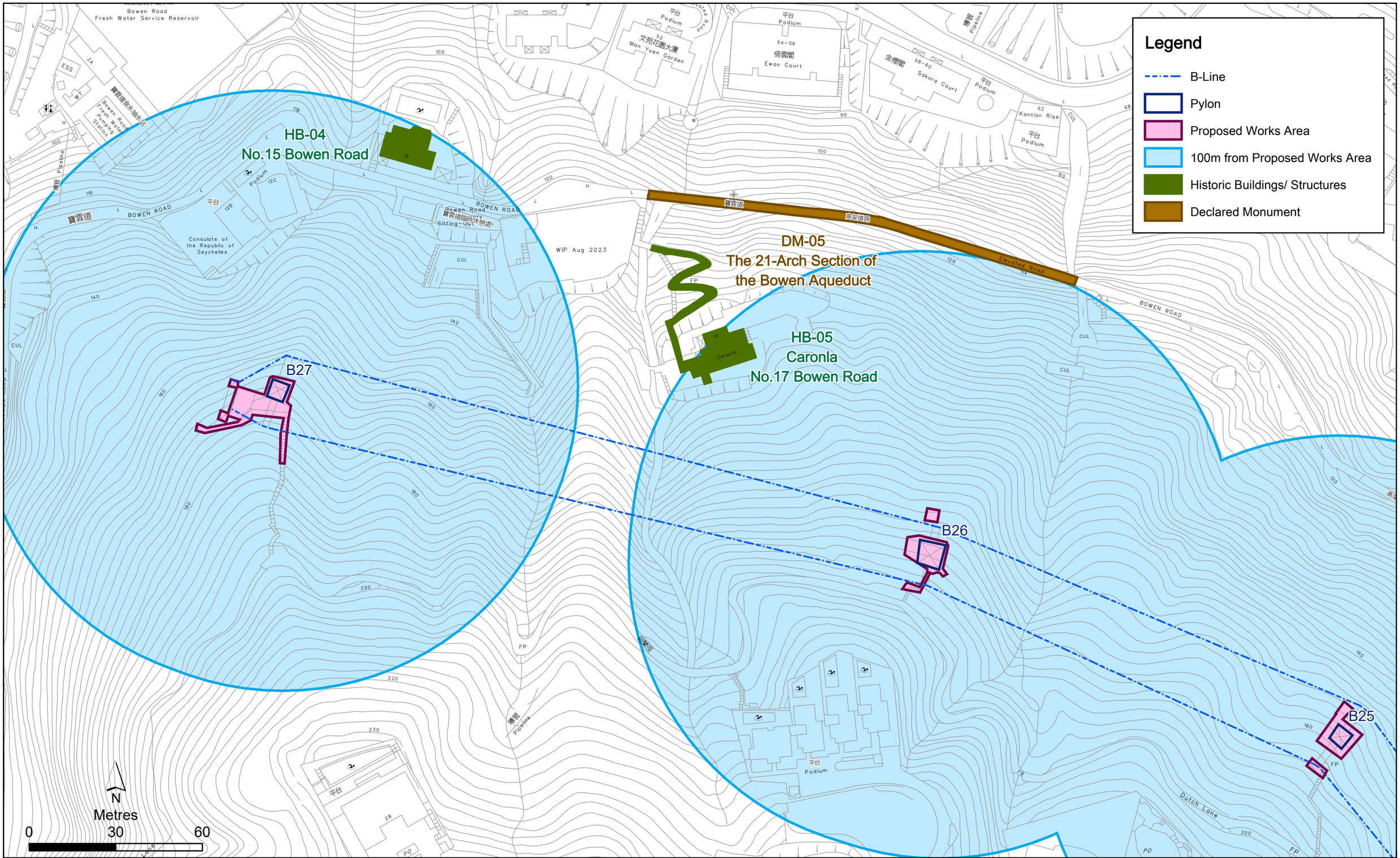

Appendix E11

Zoom in Plan showing Location of the 21-Arch Section of the Bowen Aqueduct,
No.15 Bowen Road and Caronla No.17 Bowen Road

File: T:\GIS\CONTRACT\0643361\mxd\CH_Survey\Zoom-in\0643361_Cultural_Heritage_(B25-B27).mxd
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DM-05, The 21-Arch Section of the Bowen Aqueduct

HB-04, No.15 Bowen Road

HB-05, Caronla No.17 Bowen Road

APPENDIX F CONDITIONS OF WORKING WITHIN WATER GATHERING GROUND

F1. TYPICAL CONDITIONS OF WORKING WITHIN WATER GATHERING GROUND

- Adequate measures shall be taken to ensure that no pollution or siltation occurs to the catchwater and catchments.
- No earth, building materials, fuel oil or toxic materials and other materials which may cause contamination to the water gathering grounds are allowed to be stocked or stored on site.
- All surplus spoil shall be removed from water gathering ground as soon as possible.
- Temporary drains with silt traps shall be constructed at the boundary of the site prior to the commencement of any earthwork.
- Regular cleaning of the silt traps shall be carried out to ensure that they function properly at all time.
- All excavated or filled surfaces which have the risk of erosion shall be protected from erosion at all time.
- Any construction plant which causes pollution to catchwater or catchment due to leakage of oil or fuel shall be removed off site immediately.
- Any soil contamination with fuel leaked from plant shall be removed off site and the voids arising from removal of contaminated soil shall be replaced by suitable material to the approval of the Director of Water Supplies.
- Provision of temporary toilet facilities is to be subject to the approval of the Director of Water Supplies.
- All waterworks access roads must be maintained unobstructed at all time.
- No structure or temporary works shall be erected in the catchwaters without prior approval of WSD.
- The Contractor shall limit the gross weight of the vehicles imposed on the waterworks access along catchwaters to 5 tonnes and the axle load to 3 tonnes. He shall apply to WSD with details of his vehicles for using the access.
- The approval for using the access may be withdrawn on written notice to the Contractor by WSD at their absolute discretion.
- The Contractor shall recover immediately his vehicle which fill into the catchwater or stream bed or pay to Government on demand the cost of recovery that may be necessary through the occurrence of any incident cause by the Contractor.
- The Contractor shall carry out repair or reinstatement works to the satisfaction of WSD or pay to Government on demand the cost of repair and reinstatement to any waterworks installations that shall or may be necessary at any time as a result of damage caused by the Contractor or others under his charge.
- No chemicals including fertilizers shall be used without the prior approval from WSD.
- Use of pesticides is not allowed within the water gathering grounds. The storage and discharge of pesticide or toxicant, flammable or toxic solvents, petroleum oil or tar and other toxic substances are strictly prohibited within the water gathering ground.

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