## APPENDIX H ECOLOGICAL MONITORING RESULTS

Post-transplantation monitoring records for transplanted flora species (April 2024)

# Contract No.: SS K509 Design and Construction of Kong Nga Po Police Training Facilities

### Monitoring and Maintenance Works Report

INSPECTION DATE: 27 APRIL 2024 REPORT DATE: 30 APRIL 2024

> PREPARED BY: Lau Siu Yeung, Andy (UKAA PR5206)

> > Version: 00

#### Template of Post-transplantation Monitoring Checklist Design and Construction of Kong Nga Po Police Training Facilities

			Audit Ref. No.						
Contract		SS K509							
Inspect	ted By	Lau Siu Yeung (Andy)	Inspection Date Time Period	_		/2024 to 13:	00	_	
Part A Weat		Sunny Fine Overcast Drizzle	Rain	Rain Storm Hazy					
Humidity Wind		High (RH>90%) Moderate (90%>RH>50%)  Calm Light Breeze Strong	Low (RH<50%)						
		N/A o	r not observed	Yes	No	Follow-up	N/C	Remarks	_
Part B	Cycadfer	n <i>Brainea insignis</i>							
1.1		ants' health conditions satisfactory?		ı√l					
1.2	•	planted plants on site protected carefully?							
1.3	•	mporary protective fence properly erected and maintained?				$\overline{\Box}$	$\overline{\Box}$		
1.4	Are the pl	ant protection zone set 1m from the plants?							
1.5	Are all gra	assed and planted area kept free from weeds/unwanted plants?		$\triangle$					
1.6	Is compac	tion of the soil avoided for the plants?				$\overline{\Box}$			
1.7	Are litter/	unwanted material removed within the planting area?							
1.8	Are equip	ment or stockpile placed outside the protection zone?		$\overline{\Box}$		$\overline{\Box}$			
1.9		lebris or construction materials deposited around and against the plant as this causes bark damage avoided?		$\square$					
1.10	Are fixing	s driven into plants avoided?		$\square$					
1.11	Are the place	ants used for anchoring or winching purposes or for the display of ded?		$\triangle$					_
1.12		re lit below the branches and petrol, oil or caustic substances stored lants avoided?		$\triangle$					
1.13	Are all pla	ants kept free from pest, disease or fungal infection?							
1.14	Are there	enough area for growth and development of plant roots?							
1.15a	Is exposur	re of plant roots avoided?							
1.15b	If not, wer	re broken off or rotting of roots avoided?		$\square$					
	T 11 70		r not observed	Yes	No	Follow-up	N/C	Remarks	_
2. 2.1		resses Spiranthes sinensis ants' health conditions satisfactory?							
2.2	-	planted plants on site protected carefully?							
2.3	•	mporary protective fence properly erected and maintained?							
2.4		ant protection zone set 1m from the plants?							
2.5	-	assed and planted area kept free from weeds/unwanted plants?		<u></u>					
2.6	_	tion of the soil avoided for the plants?							_
2.7	_	unwanted material removed within the planting area?		<u> </u>				-	_

#### Template of Post-transplantation Monitoring Checklist Design and Construction of Kong Nga Po Police Training Facilities

		N/A or not observ	ved	Yes	No	Follow-up	N/C	Remarks
2.8	Are equipment or stockpile placed outside the protection zone?			$\square$				
2.9	Are soil, debris or construction materials deposited around and against the trunk of a plant as this causes bark damage avoided?	ne		$\square$				
2.10	Are fixings driven into plants avoided?			$\triangle$				
2.11	Are the plants used for anchoring or winching purposes or for the display signs avoided?	of		$\triangle$				
2.12	Are the fire lit below the branches and petrol, oil or caustic substances st near the plants avoided?	ored		$\triangle$				
2.13	Are all plants kept free from pest, disease or fungal infection?			$\square$				
2.14	Are there enough area for growth and development of plant roots?			$\triangle$				
2.15a	Is exposure of plant roots avoided?			$\square$				
2.15b	If not, were broken off or rotting of roots avoided?			$\triangle$				
		N/A or not observ	ved	Yes	No	Follow-up	N/C	Remarks
3.1	Incense Trees Aquilaria sinesis  Are the trees's health conditions satisfactory?							
3.2	Are transplanted trees on site protected carefully?							-
3.3	Are the temporary protective fence properly erected and maintained?							
3.4	Are the tree protection zone set 1m from the trees?	'		$\Box$	$\Box$	$\overline{\Box}$	$\Box$	
3.5	Are all grassed and planted area kept free from weeds/unwanted plants?		$\Box$	$\overline{\Box}$	$\overline{\Box}$	$\overline{\Box}$	$\overline{\Box}$	
3.6	Is compaction of the soil avoided for the trees	'		$\Box$				
3.7	Are litter/ unwanted material removed within the planting area?			$\Box$				
3.8	Are equipment or stockpile placed outside the protection zone?			$\Box$			$\Box$	
3.9	Are soil, debris or construction materials deposited around and against the trunk of a tree as this causes bark damage avoided?	ne						
3.10	Are fixings driven into trees avoided?							
3.11	Are the trees used for anchoring or winching purposes or for the display- signs avoided?	of						
3.12	Are the fire lit below the branches and petrol, oil or caustic substances st near the trees avoided?	ored	abla					
3.13	Are all trees kept free from pest, disease or fungal infection?							
3.14	Are there enough area for growth and development of tree roots?							
3.15a	Is exposure of tree roots avoided?							
3.15b	If not, were broken off or rotting of roots avoided?					$\overline{Z}$		
3.16	Are wounds/mechanical injuries avoided on tree trunk?							
3.17	Are leaning of trees avoided?							
3.18	Are dead/detached branches avoided?							
3.19	Are decay/cavity avoided on tree trunks?							

#### Template of Post-transplantation Monitoring Checklist Design and Construction of Kong Nga Po Police Training Facilities

rt	C Follow-up for the Previo	ous Site Audit on Date:	(Ref. No		E II N/G	D
	Is the situation in item	improved/rectified?	N/A or not observed	Yes No	Follow-up N/C	Remarks
	Is the situation in item	improved/rectified?			1	
	Is the situation in item	improved/restified?			1	
	Is the situation in item	improved/rectified?	H		1	
	Is the situation in item	improved/rectified?				
	Is the situation in item	improved/rectified?			1	
		improved/rectified?				
		improved/rectified?	H			
		improved/rectified?	H			
	Is the situation in item	improved/rectified?				
	is the situation in item	minproved rectified:	Ш			

(Name: (Date:

Contract No.: SS K509

Design and Construction of Kong Nga Po Police Training Facilities

Monitoring and Maintenance Works for Flora Species of Conservation Interest

Inspection Date: 27/4/2024

Tree/Plant/	Number of		Form	Health	
Colony No.	Individuals	Species Name	(Good/Fair/Poor)	(Good/Fair/Poor)	Remark
Colony 110.	01	Brainea insignis	F	F	Young leaves observed
	02	Brainea insignis	F	F	Young leaves observed
	03	Brainea insignis	F	F	Young leaves observed
	04	Brainea insignis	F	F	Young leaves observed
C-0001	05	Brainea insignis	F	F	Young leaves observed
	06	Brainea insignis	F	F	Young leaves observed
	07	Brainea insignis	F	F	Young leaves observed
	08	Brainea insignis	F	F	Young leaves observed
	01	Brainea insignis	F	F	Young leaves observed
	02	Brainea insignis	F	F	Young leaves observed
	03	Brainea insignis	F	P	Young leaves observed
	04	Brainea insignis	F	P	Young leaves observed
C-0002	05	Brainea insignis	F	F	Young leaves observed
	06	Brainea insignis	F	F	Young leaves observed
	07	Brainea insignis	F	F	Young leaves observed
	08		F	F	Young leaves observed
C-0003	01	Brainea insignis	F	F	Young leaves observed
C-0003	01	Brainea insignis	Γ	Г	•
					Young leaves at base; Dry out
	01	Brainea insignis	P	P	caused by bushfire initially
					outside site boundary and high
	02	Puginag ingignig	F	F	temperature on 2 Feb 2021
		Brainea insignis			Young leaves observed
	03	Brainea insignis	F	F	Young leaves observed
	04	Brainea insignis	F	F	Young leaves observed
	05	Brainea insignis	F	F	Young leaves observed
	06	Brainea insignis	F	F	Young leaves observed
	07	Brainea insignis	F	F	Young leaves observed
	08	Brainea insignis	F	F	Young leaves observed
		Brainea insignis	P	P	Dry out caused by bushfire
	09				initially outside site boundary
					and high
	10				temperature on 2 Feb 2021
	10	Brainea insignis	F	P	Young leaves at base
	11	Brainea insignis	F	F	Young leaves observed
	12	Brainea insignis	F	Р	Young leaves observed
C-0004					Stem not found
	13	Brainea insignis	-	-	Dry out caused by bushfire
					initially outside site boundary
					and high temperature on 2 Feb
	1.4	D	Б	T.	2021
	14	Brainea insignis	F	F	Young leaves observed
		Brainea insignis	P	P	Young leaves at base; Dry out
	15				caused by bushfire initially
					outside site boundary and high
					temperature on 2 Feb 2021  Dry out caused by bushfire
					initially
	16	Brainea insignis	P	P	outside site boundary and high
					temperature on 2 Feb 2021
	17	Brainea insignis	P	P	Young leaves observed
	1 /	Drumeu msigms	1	1	Burned by bushfire initially
	18 Brainea in.	Brainea insignis	-	-	outside the site boundary on 2
		Diamea msigms			Feb 2021.
	19	Brainea insignis	F	P	-
	20	Brainea insignis	F	F	Young leaves observed
	20	Bramea msigms	1	1	I dulig icaves duselved

Contract No.: SS K509

Design and Construction of Kong Nga Po Police Training Facilities

Monitoring and Maintenance Works for Flora Species of Conservation Interest

Inspection Date: 27/4/2024

Tree/Plant/	Number of	Species Name	Form	Health	Remark
Colony No.	Individuals	<u> </u>	(Good/Fair/Poor)	(Good/Fair/Poor)	
	01	Brainea insignis	F	F	Young leaves observed
	02	Brainea insignis	F	F	Young leaves observed
	03	Brainea insignis	F	F	Young leaves observed
C-0005	04	Brainea insignis	F	F	Young leaves observed
	05	Brainea insignis	F	P	Young leaves at base
	06	Brainea insignis	F	F	Young leaves observed
	07	Brainea insignis	F	F	Young leaves observed
C-0006	01	Brainea insignis	F	F	Young leaves observed
C-0007	01	Brainea insignis	F	F	Young leaves observed
C-0007	02	Brainea insignis	F	P	-
	01	Brainea insignis	F	F	Young leaves observed
	02	Brainea insignis	F	F	Young leaves observed
	03	Brainea insignis	P	P	Young leaves observed
C-0008	04	Brainea insignis	F	F	Young leaves observed
	05	Brainea insignis	F	F	Young leaves observed
	06	Brainea insignis	F	P	-
	07	Brainea insignis	F	P	Young leaves at base
C-0009	01	Brainea insignis	F	F	Young leaves observed
	01	Brainea insignis	F	F	Young leaves observed
C-0010	02	Brainea insignis	F	F	Young leaves observed
	03	Brainea insignis	F	F	Young leaves observed
	01	Brainea insignis	P	P	Dry out caused by bushfire initially outside site boundary and high temperature on 2 Feb 2021
	02	Brainea insignis	F	P	-
	03	Brainea insignis	P	P	Young leaves at base
	04	Brainea insignis	F	F	-
G 0011	05	Brainea insignis	F	P	Young leaves at base
C-0011	06	Brainea insignis	F	F	Young leaves at base
	07	Brainea insignis	P	P	Young leaves at base
	08	Brainea insignis	F	F	Young leaves observed
	09	Brainea insignis	P	P	-
	10	Brainea insignis	F	F	Young leaves observed
	11	Brainea insignis	F	F	Young leaves observed
	12	Brainea insignis	P	P	-
	13	Brainea insignis	F	F	Young leaves observed







C0001(Patch)\_03





C0001(Patch)\_05









C0002(Patch)\_01





C0002(Patch)\_03





C0002(Patch)\_05





C0002(Patch)\_07







C0004(Patch)\_01



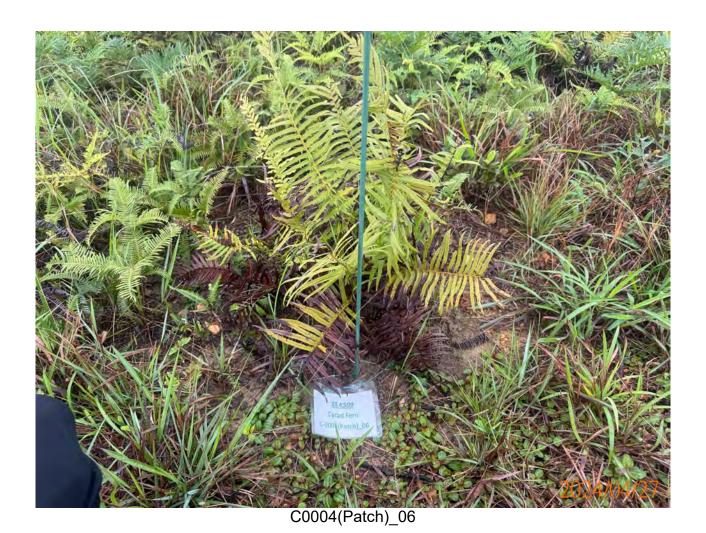


C0004(Patch)\_03





C0004(Patch)\_05





C0004(Patch)\_07





C0004(Patch)\_09





C0004(Patch)\_11





C0004(Patch)\_13





C0004(Patch)\_15



Contract No.: SS K509



C0004(Patch)\_17





C0004(Patch)\_19





C0005(Patch)\_01





C0005(Patch)\_03



Contract No.: SS K509



C0005(Patch)\_05





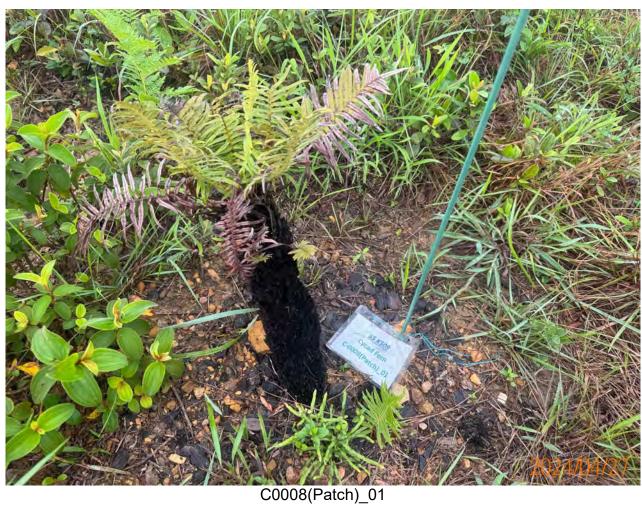
C0005(Patch)\_07



C-0006











C0008(Patch)\_03





C0008(Patch)\_05





C0008(Patch)\_07



C-0009



C0010(Patch)\_01





C0010(Patch)\_03



C0011(Patch)\_01





C0011(Patch)\_03





C0011(Patch)\_05





C0011(Patch)\_07





C0011(Patch)\_09





C0011(Patch)\_11





C0011(Patch)\_13

Design and Construction of Kong Nga Po Police Training Facilities

Monitoring and Maintenance Works for Flora Species of Conservation Interest

Inspection Date: 27/4/2024

Tree/Plant/ Colony No.	Species Name	Form (Good/Fair/Poor)	Health (Good/Fair/Poor)	Remark
L-0001	Spiranthes sinensis	-	-	Not observed
L-0002	Spiranthes sinensis	-	-	Not observed
L-0003	Spiranthes sinensis	P	P	Leaf observed
L-0004	Spiranthes sinensis	P	P	Leaf observed
L-0005	Spiranthes sinensis	-	-	Not observed
L-0006	Spiranthes sinensis	-	-	Not observed
L-0007	Spiranthes sinensis	-	-	Not observed
L-0008	Spiranthes sinensis	P	P	Leaf observed
L-0009	Spiranthes sinensis	-	-	Not observed
L-0010	Spiranthes sinensis	-	-	Not observed
L-0011	Spiranthes sinensis	-	-	Not observed
L-0012	Spiranthes sinensis	-	-	Not observed
L-0013	Spiranthes sinensis	-	-	Not observed
L-0014	Spiranthes sinensis	P	P	Leaf observed
L-0015	Spiranthes sinensis	P	P	Leaf observed
L-0016	Spiranthes sinensis	-	-	Not observed
L-0018	Spiranthes sinensis	F	F	Leaf observed
L-0019	Spiranthes sinensis	_	-	Not observed
L-0020	Spiranthes sinensis	_	-	Not observed
L-0021	Spiranthes sinensis	_	-	Not observed
L-0022	Spiranthes sinensis	F	F	Leaf observed
L-0023	Spiranthes sinensis	-	-	Not observed
L-0024	Spiranthes sinensis	P	P	Leaf observed
L-0025	Spiranthes sinensis	_	-	Not observed
L-0026	Spiranthes sinensis	-	-	Not observed
L-0027	Spiranthes sinensis	-	-	Not observed
L-0028	Spiranthes sinensis	-	-	Not observed
L-0029	Spiranthes sinensis	-	-	Not observed
L-0030	Spiranthes sinensis	-	-	Not observed
L-0031	Spiranthes sinensis	F	F	Leaf observed
L-0032	Spiranthes sinensis	-	-	Not observed
L-0033	Spiranthes sinensis	-	-	Not observed
L-0034	Spiranthes sinensis	-	-	Not observed
L-0035	Spiranthes sinensis	-	-	Not observed
L-0036	Spiranthes sinensis	-	-	Not observed
L-0037	Spiranthes sinensis	F	F	Leaf observed
L-0038	Spiranthes sinensis	P	P	Leaf observed
L-0039	Spiranthes sinensis	-	-	Not observed
L-0040	Spiranthes sinensis	F	F	Leaf observed
L-0041	Spiranthes sinensis	-	-	Not observed
L-0042	Spiranthes sinensis	-	-	Not observed



L-0001





L-0003





L-0005





L-0007











L-0011





L-0013





L-0015





L-0018





L-0020





L-0022





L-0024





L-0026





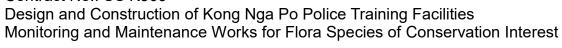
L-0028





L-0030







L-0032



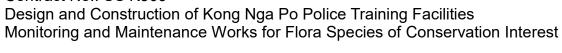






L-0036







L-0038





L-0040





L-0042

Design and Construction of Kong Nga Po Police Training Facilities

Monitoring and Maintenance Works for Flora Species of Conservation Interest

## Hong Da Landscaping Limited

Vegetation Maintenance Record Sheet (April 2024)

Description of West	Date																													
Description of Work	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Watering	Y		Y						Y		Y				Y															l
Weeding																											Y			i
Fertilization																														ı
Pest/Disease Control																														ı
Firming up of fence																											Y			i
Installation of shaded net																														ı
Mulching																														i
Inspection																											Y			ı
Checking of Protection Zone																											Y			
Remarks	МН	МН	МН	МН	MH, R	MH, R	MH,R	МН	МН	МН	МН	МН	МН	МН	МН	МН	МН	RH, R	MH, R	MH, R	MH, R	MH, R	MH, R	MH,R	МН	RH, R				
	Publ	ic Ho	liday		Н-Но	ot	D-Dr	izzle		R-Ra	iny		W-W	indy		RH-H	ligh H	Iumid	ity	MH-l	Mediu	m Hu	midity	/	LH-L	ow H	umidi	ty		



grass cutting

## Post-transplantation Monitoring Checklist Police Facilities in Kong Nga Po

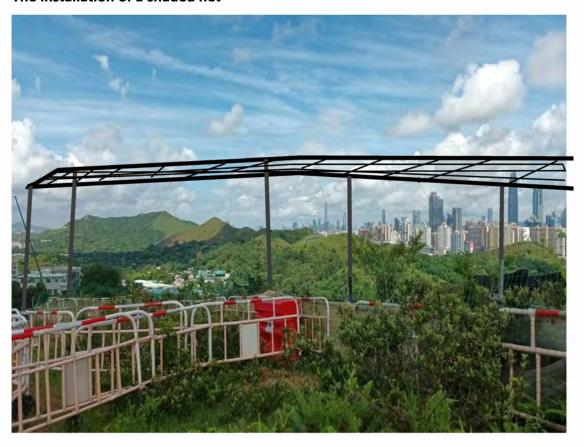
Contract	Provision of Environmental Team		
	Consultancy for Design and Construction		
	of Kong Nga Po Police Training Facilities (Programme no. 279LP)		
	Trogrammo no. 27027)		
Inspected By	y <u>ETL</u>	Inspection Date _	30-4-2024
Part A	Weather		
Condition	Sunny Fine Overcast Drizzle		
Condition	Sunny Fine Overcast Drizzle Rain Hazy		
Wind	Calm Strong		
Part B		N/A or Yes	NO Remarks
1 C	ycadfern Brainea insignis	not observed	
1.1	Is the general well-being of the plants deemed satisfactory?		
1.2	Are appropriate measures being taken to ensure the careful protection of the transplanted plants on site?		
1.3	Has the temporary protective fence been correctly installed and is it being properly maintained?		
1.4	Has the plant protection zone been established at a distance of 1m from the plants as required?		
1.5	Are all areas covered with grass and plants consistently maintained free from weeds and unwanted vegetation?		
1.6	Are measures taken to prevent soil compaction and protect the plants?		
1.7	Is prompt removal of litter and unwanted materials maintained in the planting area?		
1.8	Are fixings being prevented from being driven into the plants?		
1.9	Are the plants being intentionally avoided for the purpose of anchoring, winching, or displaying signs?		
1.10	Are all plants consistently maintained free from pests, diseases, or fungal infections?		
1.11	Is there sufficient space provided for the growth and development of plant roots?		
1.12a	Is the exposure of plant roots being prevented?		
1.12b	If not, are broken or rotting roots being avoided?		
2 La	adies Tresses Spiranthes sinensis		
2.1	Is the general well-being of the plants deemed satisfactory?		
2.2	Are appropriate measures being taken to ensure the careful protection of the transplanted plants on site?		
2.3	Has the temporary protective fence been correctly installed and is it being properly maintained?		
2.4	Has the plant protection zone been established at a distance of 1m from the plants as required?		
2.5	Are all areas covered with grass and plants consistently maintained free from weeds and unwanted vegetation?		
2.6	Are measures taken to prevent soil compaction and protect the plants?		
2.7	Is prompt removal of litter and unwanted materials maintained in the planting area?		
2.8	Are fixings being prevented from being driven into the plants?		
2.9	Are the plants being intentionally avoided for the purpose of anchoring, winching, or displaying signs?		
2.10	Are all plants consistently maintained free from pests, diseases, or fungal infections?		
2.11	Is there sufficient space provided for the growth and development of plant roots?		
2.12a	Is the exposure of plant roots being prevented?		
2 126	If not, are broken or retting roots being evoided?		

## Advice/Observations

- 1) Please refer to the guidelines on soil improvement issued by the Greening, Landscape and Tree Management Section (GLTMS) of the development bureau (2022) to apply to monitoring and maintenance of transplanted flora species.
- 2) Daily watering frequency is needed to keep the soil moist.
- 3) Installation of a shaded net is provided below.
- 4) The wild plants that are growing in undesirable areas should be removed.

IEC	ETL	Contractor Representative
	Lee	
Name: Mr. Law	Name: Mr. Lee	Name: Marian Kong
Date	Date30-4-2024	Date

The installation of a shaded net





Remark: Non scale & Conceptual drawing