

Contract No. HY/2019/01

Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities –

Phase 2 and Other Works

Establishment Inspection Checklist

Date of Site Audit:	2022-08-15	Time of Site Audit:	9:45-11:30
Site Auditor:	Aloysius Wong	Humidity:	75%
Weather Condition:	Fine	Temperature:	30°C

Item	Description	N.A. or N.O.	Yes	No	Remarks
1 Portion A-1					
1.1	Is watering provided to all plants to ensure satisfactory growth and health (manual and automatic irrigation)?		✓		
1.2	After exceptional weather conditions, are proper action implemented to replace dead plants, repair damaged plants, bed in all plants that have blown over, firm up all other plants and immediately thereafter, remove dead plants and plant debris from the site?	N.O.			
1.3	Are litter and debris removed?		✓		
1.4	Are planting areas matched with the approved landscape plan?		✓		
1.5	Is planting pattern matched with the approved landscape plan?		✓		
1.6	Are planting locations and spacing matched with the approved landscape plan?		✓		
1.7	Are the planting species on site matched with the approved landscape plan?		✓		See Observations for TG48
1.8	Are the plants in satisfied condition?		✓		See Observations for TG46, TG47 & TG48
1.9	Are tree stakes, guys and ties provided properly for safety and avoid chaffing of bark?		✓		
1.10	Are trees or limb overhanging branches pruned?	N.O.			
2 Portion A-2					
2.1	Is watering provided to all plants to ensure satisfactory growth and health (manual and automatic irrigation)?		✓		
2.2	After exceptional weather conditions, are proper action implemented to replace dead plants, repair damaged plants, bed in all plants that have blown over, firm up all other plants and immediately thereafter, remove dead plants and plant debris from the site?	N.O.			
2.3	Are litter and debris removed?		✓		
2.4	Are planting areas matched with the approved landscape plan?		✓		
2.5	Is planting pattern matched with the approved landscape plan?		✓		

Item	Description	N.A. or N.O.	Yes	No	Remarks
2.6	Are planting locations and spacing matched with the approved landscape plan?		✓		
2.7	Are the planting species on site matched with the approved landscape plan?		✓		
2.8	Are the plants in satisfied condition?		✓		
3 Portion A-3					
3.1	Is watering provided to all plants to ensure satisfactory growth and health (manual and automatic irrigation)?		✓		
3.2	After exceptional weather conditions, are proper action implemented to replace dead plants, repair damaged plants, bed in all plants that have blown over, firm up all other plants and immediately thereafter, remove dead plants and plant debris from the site?	N.O.			
3.3	Are litter and debris removed?		✓		
3.4	Are planting areas matched with the approved landscape plan?		✓		
3.5	Is planting pattern matched with the approved landscape plan?		✓		
3.6	Are planting locations and spacing matched with the approved landscape plan?		✓		
3.7	Are the planting species on site matched with the approved landscape plan?		✓		
3.8	Are the plants in satisfied condition?		✓		
4 Portion B					
4.1	Is watering provided to all plants to ensure satisfactory growth and health (manual and automatic irrigation)?		✓		
4.2	After exceptional weather conditions, are proper action implemented to replace dead plants, repair damaged plants, bed in all plants that have blown over, firm up all other plants and immediately thereafter, remove dead plants and plant debris from the site?	N.O.			
4.3	Are litter and debris removed?		✓		
4.4	Are planting areas matched with the approved landscape plan?		✓		
4.5	Is planting pattern matched with the approved landscape plan?		✓		
4.6	Are planting locations and spacing matched with the approved landscape plan?		✓		
4.7	Are the planting species on site matched with the approved landscape plan?		✓		

Item	Description	N.A. or N.O.	Yes	No	Remarks
4.8	Are the plants in satisfied condition?		✓		
4.9	Are tree stakes, guys and ties provided properly for safety and avoid chaffing of bark?		✓		
4.10	Are trees or limb overhanging branches pruned?	N.O.			
5 Portion C					
5.1	Is watering provided to all plants to ensure satisfactory growth and health (manual and automatic irrigation)?		✓		
5.2	After exceptional weather conditions, are proper action implemented to replace dead plants, repair damaged plants, bed in all plants that have blown over, firm up all other plants and immediately thereafter, remove dead plants and plant debris from the site?	N.O.			
5.3	Are litter and debris removed?		✓		
5.4	Are planting areas matched with the approved landscape plan?		✓		
5.5	Is planting pattern matched with the approved landscape plan?		✓		
5.6	Are planting locations and spacing matched with the approved landscape plan?		✓		
5.7	Are the planting species on site matched with the approved landscape plan?		✓		
5.8	Are the plants in satisfied condition?		✓		See Observations for TG22
5.9	Are tree stakes, guys and ties provided properly for safety and avoid chaffing of bark?		✓		
5.10	Are trees or limb overhanging branches pruned?	N.O.			
6 Portion D					
6.1	Is watering provided to all plants to ensure satisfactory growth and health (manual and automatic irrigation)?		✓		
6.2	After exceptional weather conditions, are proper action implemented to replace dead plants, repair damaged plants, bed in all plants that have blown over, firm up all other plants and immediately thereafter, remove dead plants and plant debris from the site?	N.O.			
6.3	Are litter and debris removed?		✓		
6.4	Are planting areas matched with the approved landscape plan?		✓		
6.5	Is planting pattern matched with the approved landscape plan?		✓		

Item	Description	N.A. or N.O.	Yes	No	Remarks
6.6	Are planting locations and spacing matched with the approved landscape plan?		✓		
6.7	Are the planting species on site matched with the approved landscape plan?		✓		
6.8	Are the plants in satisfied condition?		✓		See Observations for TG02, TG03, TG05, TG06, TG07, TG12, TG13, TG15, TG16.
6.9	Are tree stakes, guys and ties provided properly for safety and avoid chaffing of bark?		✓		
6.10	Are trees or limb overhanging branches pruned?	N.O.			
7 Portion E					
7.1	Is watering provided to all plants to ensure satisfactory growth and health (manual and automatic irrigation)?		✓		
7.2	After exceptional weather conditions, are proper action implemented to replace dead plants, repair damaged plants, bed in all plants that have blown over, firm up all other plants and immediately thereafter, remove dead plants and plant debris from the site?	N.O.			
7.3	Are litter and debris removed?		✓		
7.4	Are planting areas matched with the approved landscape plan?		✓		
7.5	Is planting pattern matched with the approved landscape plan?		✓		
7.6	Are planting locations and spacing matched with the approved landscape plan?		✓		
7.7	Are the planting species on site matched with the approved landscape plan?		✓		
7.8	Are the plants in satisfied condition?		✓		
7.9	Are tree stakes, guys and ties provided properly for safety and avoid chaffing of bark?		✓		
7.10	Are trees or limb overhanging branches pruned?	N.O.			
8 Portion F					
8.1	Is watering provided to all plants to ensure satisfactory growth and health (manual and automatic irrigation)?		✓		
8.2	After exceptional weather conditions, are proper action implemented to replace dead plants, repair damaged plants, bed in all plants that have blown over, firm up all other plants and immediately thereafter, remove dead plants and plant debris from the site?	N.O.			

Item	Description	N.A. or N.O.	Yes	No	Remarks
8.3	Are litter and debris removed?		✓		
8.4	Are planting areas matched with the approved landscape plan?		✓		
8.5	Is planting pattern matched with the approved landscape plan?		✓		
8.6	Are planting locations and spacing matched with the approved landscape plan?		✓		
8.7	Are the planting species on site matched with the approved landscape plan?		✓		
8.8	Are the plants in satisfied condition?		✓		
8.9	Are tree stakes, guys and ties provided properly for safety and avoid chaffing of bark?		✓		
8.10	Are trees or limb overhanging branches pruned?	N.O.			
9 Portion G					
9.1	Is watering provided to all plants to ensure satisfactory growth and health (manual and automatic irrigation)?		✓		
9.2	After exceptional weather conditions, are proper action implemented to replace dead plants, repair damaged plants, bed in all plants that have blown over, firm up all other plants and immediately thereafter, remove dead plants and plant debris from the site?	N.O.			
9.3	Are litter and debris removed?		✓		
9.4	Are planting areas matched with the approved landscape plan?		✓		
9.5	Is planting pattern matched with the approved landscape plan?		✓		
9.6	Are planting locations and spacing matched with the approved landscape plan?		✓		
9.7	Are the planting species on site matched with the approved landscape plan?		✓		
9.8	Are the plants in satisfied condition?		✓		
9.9	Are tree stakes, guys and ties provided properly for safety and avoid chaffing of bark?		✓		
9.10	Are trees or limb overhanging branches pruned?	N.O.			
10 Portion H					
10.1	Is watering provided to all plants to ensure satisfactory growth and health (manual and automatic irrigation)?		✓		

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Item	Description	N.A. or N.O.	Yes	No	Remarks
10.2	After exceptional weather conditions, are proper action implemented to replace dead plants, repair damaged plants, bed in all plants that have blown over, firm up all other plants and immediately thereafter, remove dead plants and plant debris from the site?	N.O.			
10.3	Are litter and debris removed?		✓		
10.4	Are planting areas matched with the approved landscape plan?		✓		
10.5	Is planting pattern matched with the approved landscape plan?		✓		
10.6	Are planting locations and spacing matched with the approved landscape plan?		✓		
10.7	Are the planting species on site matched with the approved landscape plan?		✓		
10.8	Are the plants in satisfied condition?		✓		
10.9	Are tree stakes, guys and ties provided properly for safety and avoid chaffing of bark?		✓		
10.10	Are trees or limb overhanging branches pruned?	N.O.			

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Remarks / Recommendations for Contractor

Observation and/or Recommended Measures:

Portion A-1

- TG46: 2 *Grevillea banksii* (GB) are found missing.
- TG47: 1 previous missing GR replaced with wrong species, further replacement required.
- TG48: 18 *Grevillea banksii* (GB) are found on site. To be replaced by 18 *Plumeria rubra* (PR).

Portion A-2

- Area C33 construction completed and handed over for disease control facilities. Other areas have no particular findings.

Portion A-3

- No Particular findings.

Portion B

- No particular findings.

Portion C

- TG20: 2 *Heteropanax fragrans* (HF) previously missing have been replanted.
- TG22: 3 *Grevillea banksii* (GB) are found missing.

Portion D

- TG02: 1 *Bauhinia variegata* (BV) is found dead;
- 1 *Heteropanax fragrans* (HF) previously missing have been replanted.
- TG03: 3 *Bauhinia variegata* (BV) are found missing;
- 9 *Heteropanax fragrans* (HF) previously missing have been replanted.
- TG05: 4 *Bauhinia variegata* (BV) are found missing;
- 3 *Brassaia actinophylla* (BA) previously missing have been replanted.
- (Remarks) 2 BA are found leaning after Typhoon Mulan approached on 10 Aug 2022.
- TG06: 1 *Cassia siamea* (CS) are found missing;
- 1 *Brassaia actinophylla* (BA) previously missing have been replanted.
- TG07: 2 *Cassia siamea* (CS) are found missing;
- 1 *Brassaia actinophylla* (BA) previously missing have been replanted.
- TG12: 16 *Heteropanax fragrans* (HF) are found missing.
- TG13: 1 *Bauhinia variegata* (BV) is found missing.
- TG15: 10 *Heteropanax fragrans* (HF) are found missing.
- TG16: 4 *Bauhinia variegata* (BV) are found missing.

Portion E

- TG42: 4 *Bauhinia variegata* (BV) previously missing have been replanted.

Portion F

- No particular findings.

Portion G

- No particular findings.



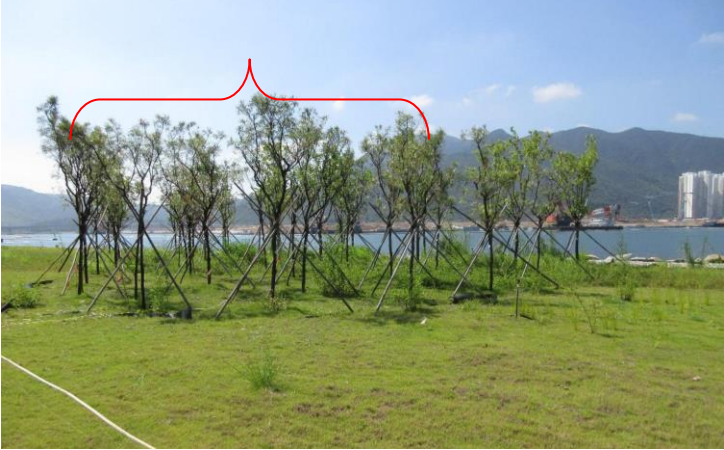
Portion H

- No particular findings.




Signatures:

	Name	Signature	Date
ET's Representative	Aloysius Wong		5/9/2022
Contractor's Representative	Matthew Wu		5/9/22
PM's/Supervisor's Representative	CHAN Pak Kin (RSFO)		05 SEP 2022
IEC's Representative	Theo Chan		5 Sep 2022





OBSERVATIONS

Location	Photo Record	
		
<p>Portion A-1</p>	<p>TG46: 2 <i>Grevillea banksii</i> (GB) are found missing.</p>	<p>TG47: 1 previous missing GR replaced with wrong species, further replacement required.</p>
		
	<p>TG48: 18 <i>Grevillea banksii</i> (GB) are found on site. To be replaced by 18 <i>Plumeria rubra</i> (PR).</p>	

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OBSERVATIONS	
Location	Photo Record
<p>Portion C</p> 	
<p>TG22: 3 <i>Grevillea banksii</i> (GB) are found missing.</p>	
<p>Portion D</p> 	
<p>TG02: 1 <i>Bauhinia variegata</i> (BV) is found dead.</p>	
<p>TG03: 3 <i>Bauhinia variegata</i> (BV) are found missing.</p>	




OBSERVATIONS

Location	Photo Record	
<p>Portion D</p>		
	<p>TG05: 4 <i>Bauhinia variegata</i> (BV) are found missing.</p>	<p>(Remarks) TG05: 2 BA are found leaning after Typhoon Mulan approached on 10 Aug 2022.</p>
		
<p>TG06: 1 <i>Cassia siamea</i> (CS) are found missing.</p>	<p>TG07: 2 <i>Cassia siamea</i> (CS) are found missing.</p>	




OBSERVATIONS

Location	Photo Record	
		
Portion D	<p>TG12: 16 <i>Heteropanax fragrans</i> (HF) are found missing.</p>	<p>TG13: 1 <i>Bauhinia variegata</i> (BV) is found missing.</p>
		
<p>TG15: 10 <i>Heteropanax fragrans</i> (HF) are found missing.</p>		<p>TG16: 4 <i>Bauhinia variegata</i> (BV) are found missing.</p>




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GENERAL CONDITIONS	
Location	Photo Record
Portion A-1	
	Groundcover planting in Portion A-1
Portion A-2	
	Grass Planting in Portion A-2
Portion A-3	
	Grass Planting in Portion A-3

GENERAL CONDITIONS

Location	Photo Record
Portion B	
Grass planting at Portion B	
Portion C	
Tree planting in Portion C	
Portion D	
Tree planting in Portion D	

GENERAL CONDITIONS

Location	Photo Record
Portion E	 <p data-bbox="802 801 1085 835">Tree planting in Portion E</p>
Portion F	 <p data-bbox="798 1350 1090 1384">Grass planting at Portion F</p>
Portion G	 <p data-bbox="802 1899 1085 1933">Tree planting in Portion G</p>

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GENERAL CONDITIONS

Location	Photo Record
Portion H	 <p data-bbox="799 786 1086 826">Tree planting in Portion H.</p>

FOLLOW-UP ACTION

Location	Photo Record
Portion C	 <p>TG20: 2 <i>Heteropanax fragrans</i> (HF) previously missing have been replanted.</p>
Portion D	 <p>TG02: 1 <i>Heteropanax fragrans</i> (HF) previously missing have been replanted.</p>
Portion D	 <p>TG03: 9 <i>Heteropanax fragrans</i> (HF) previously missing have been replanted.</p>

FOLLOW-UP ACTION


Location	Photo Record
<p>Portion D</p>	 <p>TG05: 3 <i>Brassia actinophylla</i> (BA) previously missing have been replanted.</p>
<p>Portion D</p>	 <p>TG06: 1 <i>Brassia actinophylla</i> (BA) previously missing have been replanted.</p>
<p>Portion D</p>	 <p>TG07: 1 <i>Brassia actinophylla</i> (BA) previously missing have been replanted.</p>

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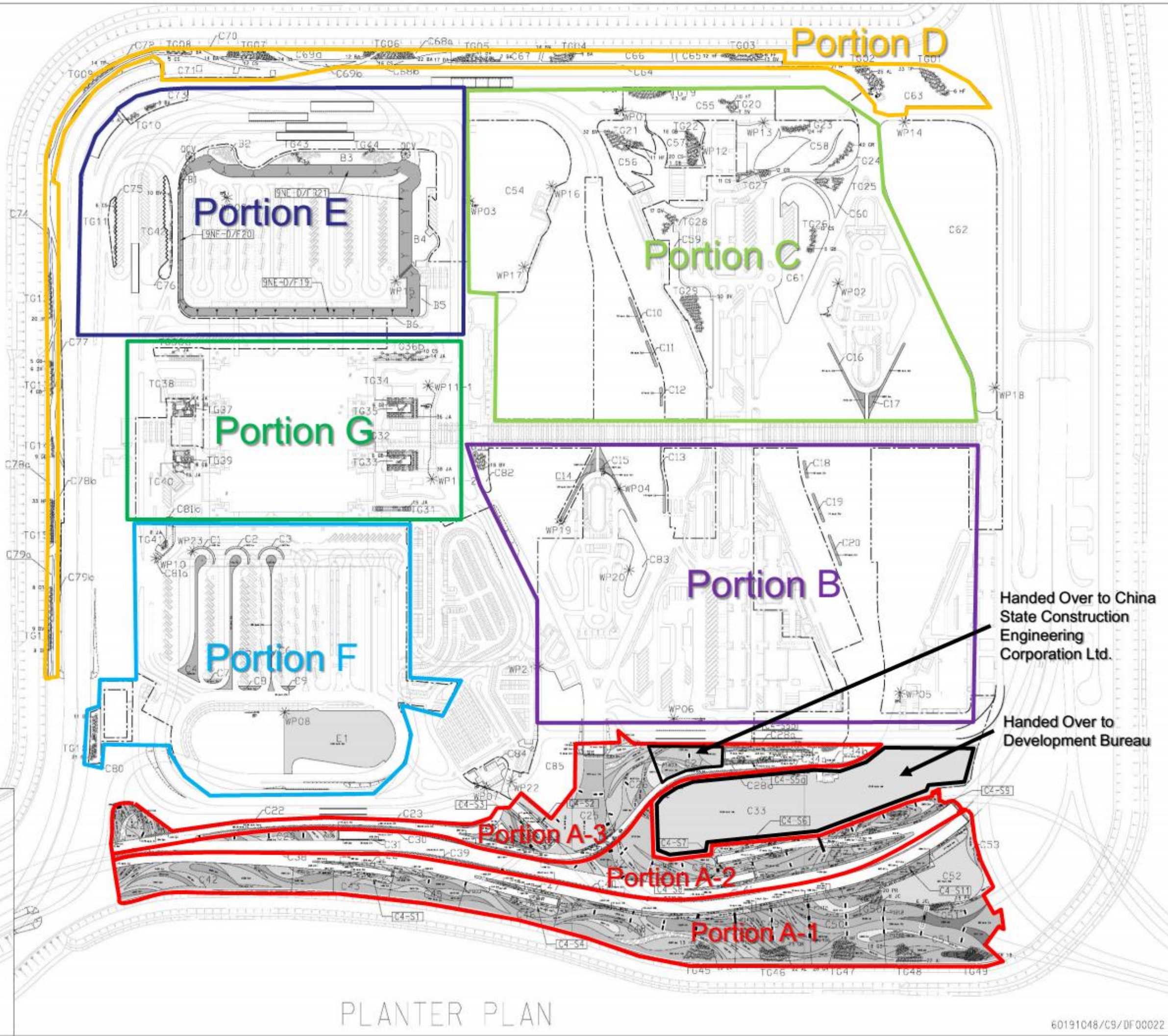
FOLLOW-UP ACTION

Location	Photo Record
Portion E	 <p data-bbox="544 775 1347 810">TG42: 4 <i>Bauhinia variegata</i> (BV) previously missing have been replanted.</p>

LEGEND:

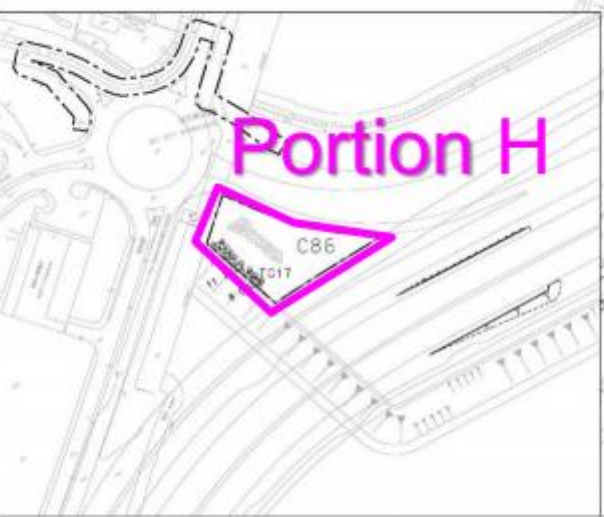
- SITE BOUNDARY
- EXISTING TURF MAINTAINED BY CS
- EXISTING SLOPE MAINTAINED BY CS
- STONE SKATHE

Hd	Hydroseeding	
Fm	Ficus microcarpa 'golden leaves'	黃金榕 (700H x 700S) w/ 600 spacing
Lh	Lore chinensis	銀桂 (500H x 400S) w/ 350 spacing
Rp	Rhododendron pulchrum	錦繡杜鵑 (800H x 400S) w/ 300 spacing
Ru	Rhododendron smil	紅杜鵑 (800H x 400S) w/ 300 spacing
So	Spathiphyllum commutatum	白鶴芋 (300H x 300S) w/ 200 spacing
Sh	Shorea obovata	天竺葵 (500H x 400S) w/ 350 spacing
Lm	Lantana montevidensis	綠地黃連木 (200H x 300S) w/ 200 spacing
Ls	Liriodendron spicata	山桐子 (100H x 100S) w/ 100 spacing
Qj	Quercus japonica	橡子 (150H x 150S) w/ 100 spacing
Sp	Symplocos podocarpum	合歡木 (200H x 300S) w/ 200 spacing
Wt	Wibauxia trilobata	銀葉菊 (100H x 100S) w/ 150 spacing
Zc	Zephyranthes candida	蔥蓮 (100H x 100S) w/ 100 spacing
Zr	Zephyranthes rosea	紅蔥蓮 (150H x 200S) w/ 100 spacing
Zs	Zysia sp.	紫雲英
AL	Abies labbeck	大葉扁柏 (4.5m H x 3m S) w/ 4m spacing
BV	Bauhinia variegata	雙蝴蝶 (4.5m H x 3m S) w/ 4m spacing
BA	Brazealia actinophylla	串錢木 (3.4m H x 2.5m S) w/ 3m spacing
CS	Cassia siamea	黃木 (4.5m H x 3m S) w/ 4m spacing
GB	Grevillea bursifolia	紅花銀柳 (3.4m H x 2.5m S) w/ 3m spacing
GR	Grevillea robusta	銀柳 (4.5m H x 3m S) w/ 4m spacing
HF	Heteropogon fragrans	雀巢草 (3.4m H x 2.5m S) w/ 3m spacing
JA	Jacaranda mimosifolia	紫葳木 (4.5m H x 3m S) w/ 4m spacing
JC	Juniperus chinensis	藍松 (4.5m H x 3m S) w/ 4m spacing
PR	Plumaria rubra	紅花洋槐 (2.5-3m H x 2.5m S) w/ 3m spacing
TP	Thespesia populnea	紅心黃槿 (4.5m H x 3m S) w/ 4m spacing



Handed Over to China State Construction Engineering Corporation Ltd.

Handed Over to Development Bureau



PLANTER PLAN

5/2/2020

60191048/C9/DF0022