

JOB NO.: TCS00491/09

DSD CONTRACT No.: DC/2009/08

CONSTRUCTION OF YUEN LONG SOUTH BRANCH SEWERS AND EXPANSION OF HA TSUEN SEWAGE PUMPING STATION

THE TWELFTH RESULTS OF LANDSCAPE AND VISUAL IMPACT MONITORING FOR JANUARY 2011 (No.12)

PREPARED FOR

CHINA STATE CONSTRUCTION ENGINEERING (HONG KONG) COMPANY LIMITED

Quality Index

_	Date	Reference No.	Prepared By	Certified By
-	17 Oct 2011	TCS00491/09/600/R00295v1	Wong Fu Nam (Senior Environmental Consultant)	T.W. Tam (Environmental Team Leader)
			mm.	

Version	Date	Description
1	17 Oct 2011	First submission

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27 October 2011

By Post

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Your Ref: Our Ref:

EB000586-F/THW11-2558

For attention of: Mr. T. W. Tam

Dear Mr. Tam,

Contract No.: DC/2009/08

Construction of Yuen Long South Branch Sewers and Expansion of Ha Tsuen Sewage

Pumping Station

Monthly EM&A Report for Designated Project, Landscape and Visual Impact Sections, July 2010 to March 2011 – IEC Verification

With reference to ET's captioned Landscape and Visual Impact section of monthly EM&A reports for nine reporting months, July 2010 to March 2011 inclusive (ET's ref.: TCS00491/09/600/R0287v1, TCS00491/09/600/R0288v1, TCS00491/09/600/R0289v1, TCS00491/09/600/R0291v1, TCS00491/09/600/R0292v1, TCS00491/09/600/R0295v1, TCS00491/09/600/R0296v1 and TCS00491/09/600/R0297v1, all dated 17 October 2011) received on 26 October 2011, we have no comment and hereby verify the captioned Landscape and Visual Impact section of monthly EM&A reports.

Should there be any queries, please feel free to contact our William Law on 2911 2511.

Yours sincerely

F.C. TSANG

Independent Environmental Checker HYDER CONSULTING LIMITED

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FCT/WL/my

The Twelfth Results of Landscape and Visual Impact Monitoring for January 2011 (No.12)



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The Twelfth Results of Landscape and Visual Impact Monitoring for January 2011 (No.12)



1. INTRODUCTION

- 1.01 This Results of Landscape and Visual Impact Monitoring (hereinafter "the LVIM Results") is part of the monthly EM&A report under DSD Contract No.: DC/2009/08 Construction of Yuen Long South Branch Sewers and Expansion of Ha Tsuen Sewage Pumping Station: Results of Landscape and Visual Impact of Chapter 4 Impact Monitoring Results. The LVIM Results should therefore be read in conjunction with the corresponding monthly EM&A reports.
- 1.02 Pursuant to Chapter 6 Landscape and Visual of the EM&A Manual, EM&A for landscape and visual resources is considered to be a key aspect during both the construction and operational phases of the Project. The implementation and maintenance of landscape compensatory planting measures should therefore be checked to ensure that they are fully realized and that potential conflicts between the proposed landscape measures and any other project works and operational requirements are resolved at the earliest possible date and without compromise to the intention of the mitigation measures.
- 1.03 Monitoring of the recommended implementation of the mitigation measures is required to be conducted throughout the construction phase of the Project.
- 1.04 As a member of the ET, the landscape architect is responsible for the implementation of landscape construction works and subsequent maintenance operations during the 12 month establishment period. The establishment works should be undertaken throughout the Contractor's one year maintenance period which will be within the first operational year of the Project.
- 1.05 All measures undertaken by both the Contractor and the Landscape Contractor during the construction phase and first year of the operational phase should be audited by the landscape architect on a regular basis to ensure compliance with the intended aims of the measures.
- 1.06 Site inspections should be undertaken at least once every two weeks throughout the construction period and once every two months during the operational phase.
- 1.07 The LVIM Results has been prepared by the landscape architect and compiled by the ET upon receipt for submission to EPD after verification by the IEC.
- 1.08 To cater to closer compliance of the EM&A reporting with the EP requirements, it has been agreed among the RE, IEC and ET that The LVIM Results is submitted separately as a stand-alone submission.
- 1.09 This is the twelfth (No. 12) LVIM Results, covering the construction period from 1 to 31 January 2011 (hereinafter "the Result Period").

CONTENT OF THE LVIM RESULTS

- 2.01 This LVIM Results contains the site inspection checklist for the Result Period, where landscape and visual impact monitoring results are presented and where necessary, the associated recommendations are included.
- 2.02 The site inspection checklist is enclosed in *Appendix A*.



Appendix A

Site Inspection Checklist

Contract No.:		DC/2009/08						
Contract title:		Construction of Yuen Long South Sewer and Expansion	of Ha Ts	uen Sewa	age Pump	oing Static	on	
Con	itractor:	China State Construction Engrg. (HK) Ltd.						
Loc	ation:	Ha Tsuen Sewage Pumping Station						
Insp	ection Date:	7-Jan-2011						
			S	atisfactor	у	Rectif	ied	
			N/A	Yes	No	Yes	No	Remarks
I. G	eneral				_			
1.	Erect hoardin	g around site boundary properly		\checkmark		✓		
2.	Keep well ma	intenance of hoarding		\checkmark		✓		
3.	All constructi	on works are carried out within site boundary properly		\checkmark		\checkmark		
4	Carry out the	initial tree survey prior to construction		\checkmark		\checkmark		
5	Provide tree l	abels according to tree survey records		\checkmark		✓		
Con	nments:							
Star	ndard hoarding	was erected and well maintained around the works area at	Ha Tsue	n Sewage	Pumpin	g Station	(HTSP	S).
The	contruction ha	s no implication to protected tree.						
II.	Fransplanting	Works						
1.	All transplant specifications	ing works are carried out in accordance with the		\checkmark		/		
2.	The transplan establishment	ted trees are kept in regular inspection within the period	1					
3.	The transplan	ted trees are kept in maintenance thoughout the estanlish	ment peri	od as foll	owings:			
	(i) Watering			\checkmark		✓		
	(ii) Weeding			\checkmark		✓		
	(iii) Fertilisin	g	\checkmark					
	(iv) Littering			✓		\checkmark		
	(v) Grass cutt	ing		\checkmark		\checkmark		
	(vi) Firming u	ıp		\checkmark		\checkmark		
	(vii) Pest con	trol	\checkmark					
	(viii) Disease	control		\checkmark		\checkmark		
	(ix) Pruning			\checkmark		✓		
	(x) Replacem	ent	\checkmark					
Cor	Comments:							
There had total 73 nos. of transpalnted trees in Ha Tsuen Sewage Pumping Station due to construction works under this contract.						contract.		
		handover back to DSD.						
	Landscaping							
	15 E							
1.	All landscapis	ng works are carried out in accordance with the		✓	Ш	<u> </u>		
2.	The landscap	ing plants are kept in regular inspection within the		\checkmark		\checkmark		

		S	atisfactor	у	Rectified	
		N/A	Yes	No	Yes No	Remarks
3.	The landscaping plants are kept in maintenance thoughout the estanlish	nment per	riod as fol	lowings:		
	(i) Watering		\checkmark		√	
	(ii) Weeding		\checkmark		✓	
	(iii) Fertilising		\checkmark		V	
	(iv) Littering		\checkmark		✓	
	(v) Grass cutting		\checkmark		\checkmark	
	(vi) Firming up		\checkmark		\checkmark	Wa
	(vii) Pest control		\checkmark		✓	(a)
	(viii) Disease control		\checkmark		\checkmark	***************************************
	(ix) Pruning		\checkmark		\checkmark	
	(x) Replacement		\checkmark		\checkmark	1
Cor	nments;					
No	landscaping works were carried out in the reporting month					
IV.	Preservation and Protection of Trees					
1.	All preserved trees are protected in accordance with the specifications		\checkmark		V	
2.	All preserved trees are fenced off properly		$\overline{}$			
2	No construction activities are comised out in the materian zone of the	$\overline{}$		$\overline{}$		
3.	No construction activities are carried out in the protection zone of the preserved trees	ш	Ľ			
Cor	nments:					
All	retained trees were fenced off and protected properly within the works at	ea of the	site. DSD	is carry	ing out the pres	ervation
and	proection.					
Cor	nclusion					
	nerally, the overall conditions are normal in the transplanting and visual in	mpact at	Ha Tsuen	Sewage	Pumping Station	on. The cond
of h	oarding was satisfactory. The trees which at Ha Tsue Pumping Station ha	ave been	returned t	o Draina	ge Services De	partment mai
	monitoring in January2011. Please find attached handover list for your					
	-					
Rer	narks					
	Signatures:					
	Senior Landscape Architect					
	K 1 Z /					

(Name: David Bloxham MLI (UK Chartered))

Landscape and Visual Impact Assessment Site Inspection Checklist

Contract No.:		DC/2009/08						
Contract title:		Construction of Yuen Long South Sewer and Expansion	of Ha Ts	suen Sew	age Pumj	oing Station		
Con	itractor:	China State Construction Engrg. (HK) Ltd.						
Location:		Ha Tsuen Sewage Pumping Station						
Insp	pection Date:	21-Jan-2011						
			S	atisfactor	У	Rectified		
			N/A	Yes	No	Yes No	Remarks	
I. G	eneral			w	101			
1.	Erect hoarding	g around site boundary properly		\checkmark		\checkmark		
2.	Keep well mai	intenance of hoarding		\checkmark		/		
3.	All construction	on works are carried out within site boundary properly		\checkmark		√		
4	Carry out the	initial tree survey prior to construction		\checkmark		V		
5	Provide tree la	abels according to tree survey records		\checkmark		√		
Con	nments:							
Star	ndard hoarding	was erected and well maintained around the works area at	t Ha Tsue	n Sewag	e Pumpir	g Station (HTSI	PS).	
		led as requirement.						
П. Т	Fransplanting	Works	- August					
1.	95: 120	ng works are carried out in accordance with the		✓		/		
2.	The transplant establishment	ted trees are kept in regular inspection within the period	\checkmark					
3.	The transplant	ted trees are kept in maintenance thoughout the estanlish	nent peri	od as foll	owings:			
	(i) Watering	ŗ						
	(ii) Weeding		Ħ		百			
	(iii) Fertilising	7						
	(iv) Littering			✓		✓		
	(v) Grass cutti	ing		\checkmark			<u> </u>	
	(vi) Firming u	p		\checkmark				
	(vii) Pest cont	rol	\checkmark					
	(viii) Disease	control		\checkmark		\checkmark		
	(ix) Pruning			\checkmark		✓		
	(x) Replaceme	ent	\checkmark					
Con	Comments:							
The	There had total 73 nos. of transpalnted trees in Ha Tsuen Sewage Pumping Station due to construction works under this contract.							
Wat	tering and weed	ling should be undertaking periodically.						
III.	Landscaping '	Works						
1.	All landscapir specifications	ng works are carried out in accordance with the		√		✓		
2.	The landscapi establishment	ng plants are kept in regular inspection within the period		V		\checkmark		

Landscape and Visual Impact Assessment Site Inspection Checklist

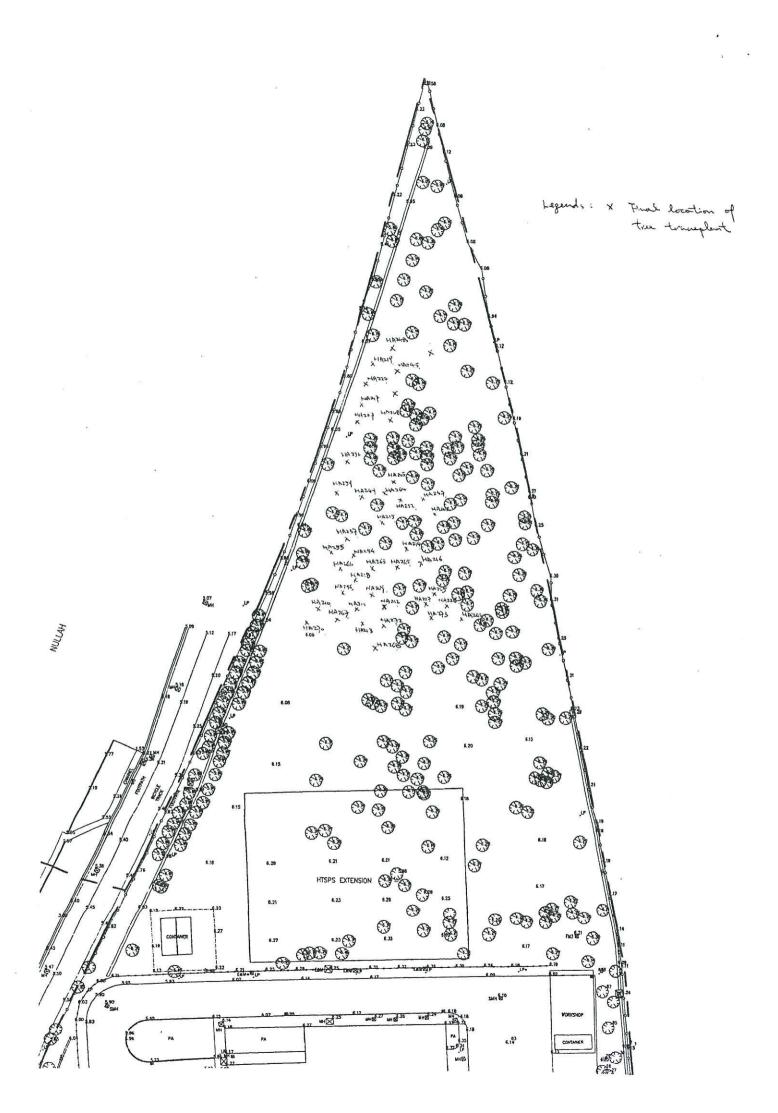
	S	atisfactor	у	Rectified	
	N/A	Yes	No	Yes No	Remarks
3. The landscaping plants are kept in maintenance thoughout the estanl	ishment per	riod as fol	lowings:		
(i) Watering		✓		√	
(ii) Weeding		\checkmark		✓	
(iii) Fertilising		\checkmark		✓]
(iv) Littering		\checkmark		\checkmark] [
(v) Grass cutting		\checkmark		✓]
(vi) Firming up		\checkmark		✓]
(vii) Pest control		\checkmark		✓]
(viii) Disease control		\checkmark		\checkmark	
(ix) Pruning		\checkmark		✓]
(x) Replacement		\checkmark		\checkmark]
Comments:					
No landscaping works were carried out in the reporting month					
IV. Preservation and Protection of Trees					
1. All preserved trees are protected in accordance with the specification	s	\checkmark		✓]
2. All preserved trees are fenced off properly		\checkmark		✓	
 No construction activities are carried out in the protection zone of the preserved trees 	e 🔲	\checkmark		✓]
Comments:					
All retained trees were fenced off and protected properly within the works	area of the	site.			
Conclusion					
Generally, the overall conditions are normal in the transplanting and visua	l impact at l	Ha Tsuen	Sewage	Pumping Sta	tion The conditions
of hoarding was satisfactory. The trees which at Ha Tsue Pumping Station					
and monitoring in January 2011. We have monitoring and inspection the t					- E
, , , , , , , , , , , , , , , , , , , ,					***************************************
Remarks					
Signatures:					
Senior Landscape Architect					
DAPIN					
(Name: David Bloxham MLI (UK Chartered))					

DC/2009/08

Tree No.	Location	Tree species	Chinese name
D1224	Ping Ha Road	Ficus microcarpa	細葉榕
D1225	Ping Ha Road	Ficus microcarpa	細葉榕
D1226	Ping Ha Road	Ficus microcarpa	細葉榕
D1227	Ping Ha Road	Macaranga tanarius	血桐
D1228	Ping Ha Road	Ficus microcarpa	細葉榕
D1229	Ping Ha Road	Macaranga tanarius	血桐
D1230	Ping Ha Road	Ficus microcarpa	細葉榕
D1231	Ping Ha Road	Ficus microcarpa	細葉榕
D1233	Ping Ha Road	Ficus microcarpa	細葉榕
D1235	Ping Ha Road	Ficus microcarpa	細葉榕
D1236	Ping Ha Road	Ficus microcarpa	細葉榕
D1240	Ping Ha Road	Ficus microcarpa	細葉榕
D1241	Ping Ha Road	Ficus microcarpa	細葉榕
D1242	Ping Ha Road	Macaranga tanarius	血桐
D1243	Ping Ha Road	Ficus microcarpa	細葉榕
D1244	Ping Ha Road	Ficus microcarpa	細葉榕
D1245	Ping Ha Road	Ficus microcarpa	細葉榕
D1246	Ping Ha Road	Leucaena leucocephala	銀合歡
HA08	Ha Tsuen SPS	Bauhinia blakeana	洋紫荊
HA09	Ha Tsuen SPS	Bauhinia blakeana	洋紫荊
HA16	Ha Tsuen SPS	Bauhinia blakeana	洋紫荊
HA17	Ha Tsuen SPS	Bauhinia blakeana	洋紫荊
HA19	Ha Tsuen SPS	Bauhinia blakeana	洋紫荊
HA21	Ha Tsuen SPS	Bauhinia blakeana	洋紫荊
HA25	Ha Tsuen SPS	Bauhinia blakeana	洋紫荊
HA27	Ha Tsuen SPS	Bauhinia blakeana	洋紫荊
HA28	Ha Tsuen SPS	Bauhinia blakeana	洋紫荊
HA251	Ha Tsuen SPS	Ficus microcarpa	細葉榕

DC/2009/08

Tree No.	Location	Tree species	Chinese name
HA228	Ha Tsuen SPS	Acacia auriculiformis	耳果相思
HA258	Ha Tsuen SPS	Acacia confusa	台灣相思
HA271	Ha Tsuen SPS	Acacia auriculiformis	耳果相思



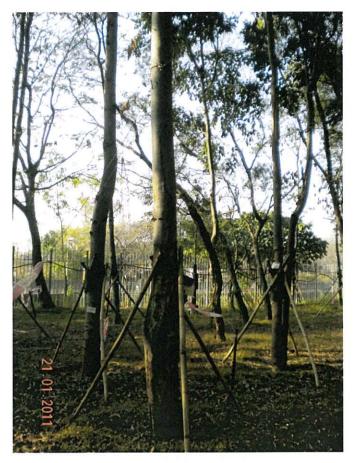
EXISTING CHAMBER E&K X D1229 85510 01227 X DI2 33 X. D1231 6.36 X D1241 01240

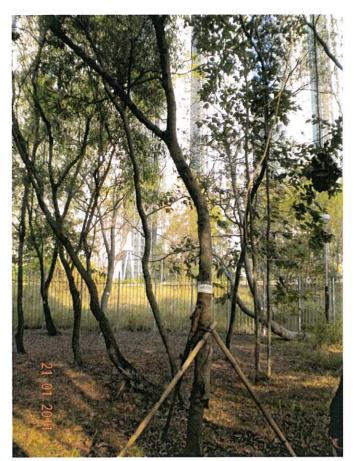


HA220



HA245





HA208 HA252



HA272

Contract No. DC/2009/08

Yuen Long South sewerage and expansion of
Ha Tsuen sewage pumping station

Watering report for January 2011









Hong Kong Landscaping Co. Ltd.

Contract No. DC/2009/08

Yuen Long South sewerage and expansion of
Ha Tsuen sewage pumping station

Watering report for January 2011









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