

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 FIRST RESULTS OF LANDSCAPE AND VISUAL IMPACT MONITORING
FOR FEBRUARY 2010 (NO.1)

PREPARED FOR

CHINA STATE CONSTRUCTION ENGINEERING
(HONG KONG) COMPANY LIMITED

Quality Index

Date	Reference No.	Prepared By	Certified By
9 Sep 2011	TCS00491/09/600/R00243v2	Wong Fu Nam (Senior Environmental Consultant)	T.W. Tam (Environmental Team Leader)

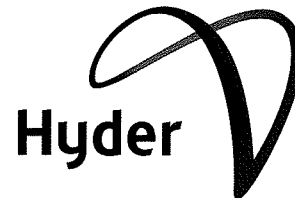


Version	Date	Description
1	3 Aug 2011	First submission
2	9 Sep 2011	Amended against IEC's comments

This report has been prepared by Action-United Environmental Services & Consulting with all reasonable skill, care and diligence within the terms of the Agreement with the client, incorporating our General Terms and Conditions of Business and taking account of the resources devoted to it by agreement with the client. We disclaim any responsibility to the client and others in respect of any matters outside the scope of the above. This report is confidential to the client and we accept no responsibility of whatsoever nature to third parties to whom this report, or any part thereof, is made known. Any such party relies upon the report at their own risk.

安誠工程顧問有限公司
香港灣仔
皇后大道東183號
合和中心47樓
電話: (852) 2911 2233
傳真: (852) 2805 5028

Hyder Consulting Limited
Company Number 126012
47th Floor, Hopewell Centre
183 Queen's Road East
Wan Chai, Hong Kong
Tel: (852) 2911 2233
Fax: (852) 2805 5028
hyder.hk@hyderconsulting.com
www.hyderconsulting.com



21 September 2011

By Post

Action-United Environmental Services &
Consulting
Unit A, 20/F, Gold King Industrial Building,
35-41 Tai Lin Pai Road,
Kwai Chung,
New Territories,
Hong Kong.

Your Ref:

Our Ref: EB000586-F/THW11-1671

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, February to June 2010 – IEC Verification

With reference to ET's captioned Landscape and Visual Impact section of monthly EM&A reports for five reporting months, February to June 2010 inclusive (ET's ref.: TCS00491/09/600/R0243v2, TCS00491/09/600/R0258v1, TCS00491/09/600/R0259v1, TCS00491/09/600/R0260v1 and TCS00491/09/600/R0261v1, all dated 9 September 2011) received on 16 September 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

FCTWL/my

TABLE OF CONTENTS

1. INTRODUCTION	1
2. CONTENT OF THE LVIM RESULTS	1

APPENDIX A SITE INSPECTION CHECKLIST

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 first (No. 1) LVIM Results, covering the construction period from 8 to 28 February 2010 (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

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 Tsuen Sewage Pumping Station
 Contractor: China State Construction Engrg. (HK) Ltd.
 Location: Ha Tsuen Sewage Pumping Station
 Inspection Date: 28-Feb-2010

		Satisfactory			Rectified		Remarks
		N/A	Yes	No	Yes	No	
I. General							
1.	Erect hoarding around site boundary properly	☒	☐	☐	☐	☐	
2.	Keep well maintenance of hoarding	☒	☐	☐	☐	☐	
3.	All construction works are carried out within site boundary properly	☒	☐	☐	☐	☐	
4.	Carry out the initial tree survey prior to construction	☒	☐	☐	☐	☐	
5.	Provide tree labels according to tree survey records	☒	☐	☐	☐	☐	

Comments:

Standard hoarding was erected and well maintained around the works area at Ha Tsuen Sewage Pumping Station (HTSPS). The initial tree survey was recorded and submitted previously. All trees were labelled in HTSPS.

II. Transplanting Works

1. All transplanting works are carried out in accordance with the specifications	☒	☐	☐	☐	☐	
2. The transplanted trees are kept in regular inspection within the establishment period	☒	☐	☐	☐	☐	
3. The transplanted trees are kept in maintenance throughout the establishment period as follows:						
(i) Watering	☒	☐	☐	☐	☐	
(ii) Weeding	☒	☐	☐	☐	☐	
(iii) Fertilising	☒	☐	☐	☐	☐	
(iv) Littering	☒	☐	☐	☐	☐	
(v) Grass cutting	☒	☐	☐	☐	☐	
(vi) Firming up	☒	☐	☐	☐	☐	
(vii) Pest control	☒	☐	☐	☐	☐	
(viii) Disease control	☒	☐	☐	☐	☐	
(ix) Pruning	☒	☐	☐	☐	☐	
(x) Replacement	☒	☐	☐	☐	☐	

Comments:

There had total 73 nos. of transplanted trees in Ha Tsuen Sewage Pumping Station due to construction works under this contract.

Watering should be undertaken periodically. Keep regular inspection in the establishment period.

III. Landscaping Works

1. All landscaping works are carried out in accordance with the specifications	☒	☐	☐	☐	☐	
2. The landscaping plants are kept in regular inspection within the establishment period	☒	☐	☐	☐	☐	

Landscape and Visual Impact Assessment Site Inspection Checklist

	Satisfactory			Rectified		Remarks
	N/A	Yes	No	Yes	No	
3. The landscaping plants are kept in maintenance throughout the establishment period as follows:						
(i) Watering	☒	☐	☐	☐	☐	
(ii) Weeding	☒	☐	☐	☐	☐	
(iii) Fertilising	☒	☐	☐	☐	☐	
(iv) Littering	☒	☐	☐	☐	☐	
(v) Grass cutting	☒	☐	☐	☐	☐	
(vi) Firming up	☒	☐	☐	☐	☐	
(vii) Pest control	☒	☐	☐	☐	☐	
(viii) Disease control	☒	☐	☐	☐	☐	
(ix) Pruning	☒	☐	☐	☐	☐	
(x) Replacement	☒	☐	☐	☐	☐	

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 specifications	☒	☐	☐	☐	☐	
2. All preserved trees are fenced off properly	☒	☐	☐	☐	☐	
3. No construction activities are carried out in the protection zone of the preserved trees	☒	☐	☐	☐	☐	

Comments:

All retained trees were fenced off and protected properly within the works area of the site. The protection zone of the trees should be maintained in clear. Keep in review of the construction works with the impacts on the retained trees within the works area.

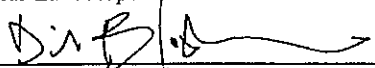
Conclusion

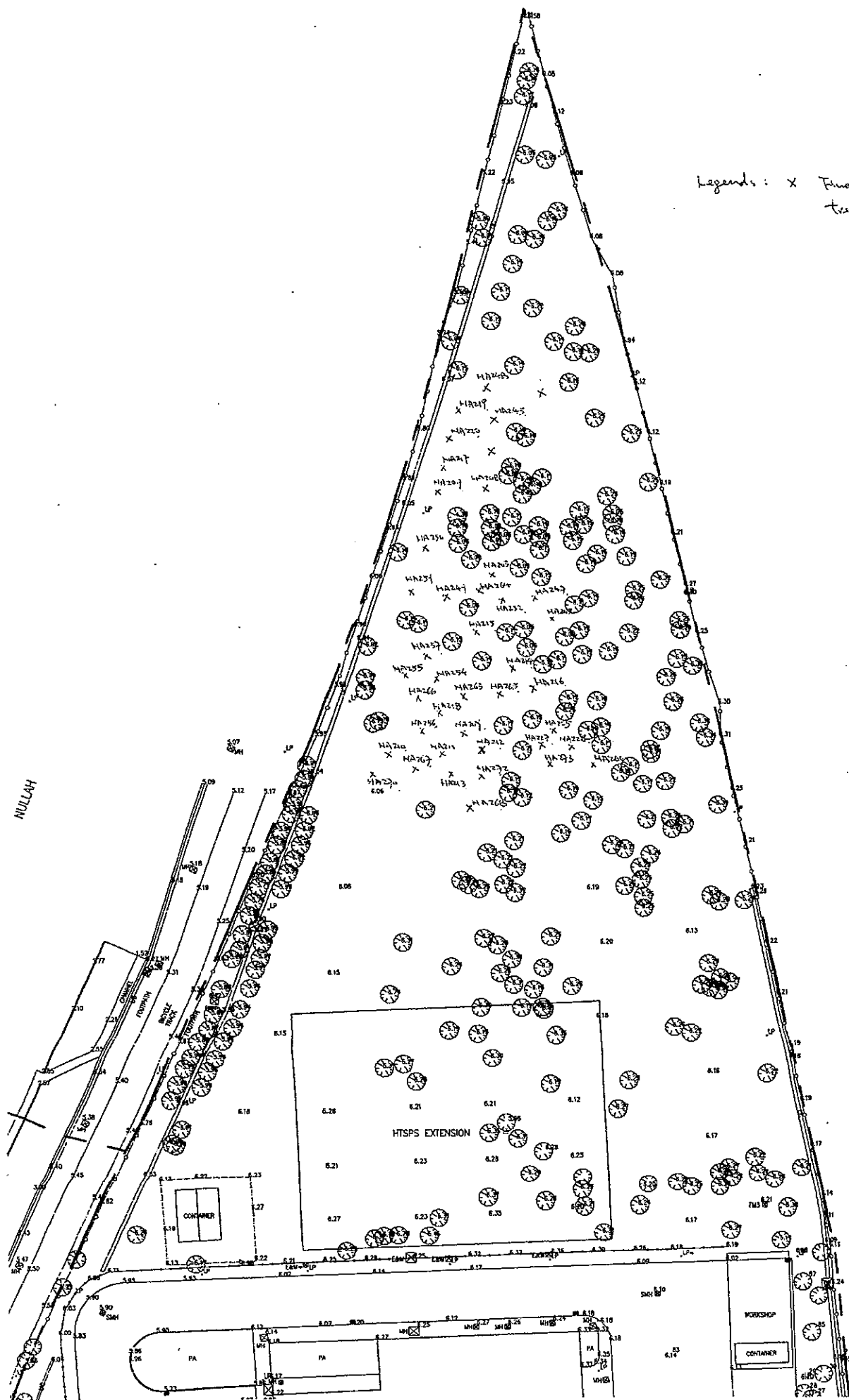
Regular inspection for the transplanted tree was scheduled on next month.

Remarks

Signatures:

Senior Landscape Architect


(Name: David Bloxham CMLI UK)



Legends: X Final location of tree transplant

