

JOB NO.: TCS01267/22

CEDD SERVICE CONTRACT No. WD/07/2022

YUEN LONG SOUTH FIRST PHASE DEVELOPMENT - ENVIRONMENTAL TEAM

LANDSCAPE AND VISUAL BASELINE REPORT

PREPARED FOR

CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT

Date Reference No. Certified By

24 July 2024 TCS01267/22/600/R0052v2

Tam Tak Wing (Environmental Team Leader)

Version	Date	Remarks
1	24 July 2023	First Submission
2	24 July 2024	Amended according to EPD's comment



Our Ref: TCS01267/22/300/L0194a

AECOM 12/F, Grand Central Plaza, Tower 2 138 Shatin Rural Committee Road Shatin, Hong Kong

Attn: Mr. Alex Chan

25 July 2024 By email

Dear Sir,

Re: Contract No. WD/07/2022

Yuen Long South First Phase Development - Environmental Team

Environmental Team Leader's Certification Letter for

Environmental Permit No. EP-548/2018/A, EP-549/2018, EP-550/2018/A,

EP-551/2018/A & EP-553/2018/A Condition 3.3

Submission of Landscape and Visual Baseline Report (Version 2)

We hereby certify the Landscape and Visual Baseline Report (Version 2) in accordance with Environmental Permit No. EP-548/2018/A, EP-549/2018, EP-550/2018/A, EP-551/2018/A & EP-553/2018/A Condition 3.3.

Should you have any queries or require further information, please feel free to contact us or the undersigned at Tel: 2959-6059 or Fax: 2959-6079.

Yours sincerely, For and on Behalf of

Ford Business International Limited

Tam Tak Wing

Environmental Team Leader

Encl.

cc Telemax

Mr. Nelson TAM

(852) 2959-6059

(852) 2959-6079

Email info@fordbusiness.com

Tel

Fax

By email





Telemax Environmental and Energy Management Limited

Unit 01, 17/F., Shatin Galleria, No. 18-24 Shan Mei Street, Fo Tan, Shatin, N.T., Hong Kong Tel.: (852) 3563 7003 Fax: (852) 3563 7018 www.telemaxeem.com

Our Ref. : TEEM/816/24/L/170/JYT

Job No. : TM0816-22 Date : 25 July 2024

By Email

AECOM Asia Co., Ltd.

12/F, Grand Central Plaza, Tower 2 138 Shatin Rural Committee Road Shatin, Hong Kong

Attn.: Mr. Alex Chan

Dear Alex,

Agreement No. WD/06/2022
Site Formation and Infrastructure Works for
Yuen Long South First Phase Development
Independent Environmental Checker's Verification Letter for
Environmental Permit No. EP-548/2018/A, EP-549/2018, EP-550/2018/A, EP-551/2018/A & EP-553/2018/A Condition 3.3
Submission of Landscape and Visual Baseline Report (Version 2)

With reference to the Landscape and Visual Baseline Report (Version 2) (Ref. No.: TCS01267/22/600/R0052v2) submitted by the Environmental Team (ET) via email on 24 July 2024, we are pleased to inform that we have no adverse comment on the captioned submission. In accordance with the Condition 3.3 of EP-548/2018/A, EP-549/2018, EP-550/2018/A, EP-551/2018/A & EP-553/2018/A, we hereby verify this submission.

Should you have any queries, please do not hesitate to contact the undersigned at (852) 3610 8701 or our Mr. Michael Fong at (852) 3610 8706 or our Mr. Vince Lo at (852) 3610 8787 or our Mr. Jacky Tsang at (852) 3610 8735.

Yours faithfully,

For and on behalf of

Telemax Environmental and Energy Management Limited

Ir Nelson Tam

Independent Environmental Checker

c.c. Ford Business International Ltd. (ET) - Attn: Mr. Tam Tak Wing / Ms. Nicola Hon











Table of Contents

1	INTRO	DDUCTION	1
	1.1	PROJECT BACKGROUND	1
	1.2	PURPOSE OF SUBMISSION	1
2	LANDSCPE AND VISUAL BASELINE OF YLS FIRST PHASE DEVELOPMENT		
	2.1	GENERAL	2
	2.2	REQUIREMENT	2
	2.3	SURVEY METHOD	2
3	RESULTS		3
	3.1	LANDSCAPE RESOURCES (LRS)	3
	3.2	LANDSCAPE CHARACTER AREAS (LCAS)	3
	3.3	VISUAL SENSITIVE RECEIVERS (VSRS)	4
4	CONCLUSION		4

LIST OF FIGURE

FIGURE A	PROJECT AREA OF THE 3 WORK CONTRACTS
FIGURE B	PHOTOGRAPHS OF LANDSCAPE RESOURCES
FIGURE C	PHOTOGRAPHS OF LANDSCAPE CHARACTER AREAS
FIGURE D	PHOTOGRAPHS OF VSR (COMPARED WITH EIA REPORT)

LIST OF APPENDIX

APPENDIX A	THE LAYOUT PLAN FOR YLS FIRST PHASE DEVELOPMENT
APPENDIX B	LANDSCAPE RESOURCE PLAN IN THE APPROVED EIA REPORT
APPENDIX C	LANDSCAPE CHARACTER AREAS PLAN IN THE APPROVED EIA REPORT
APPENDIX D	VISUAL SENSITIVE RECEIVER PLAN IN EIA
APPENDIX E	VISUAL SENSITIVE RECEIVER PLAN FOR BASELINE OF YLS FIRST PHASE DEVELOPMENT



1 INTRODUCTION

1.1 PROJECT BACKGROUND

- 1.1.1 Ford Business International Limited (hereinafter called "Ford") was awarded the Civil Engineering and Development Department (CEDD) Agreement Contract No. WD/07/2022 Yuen Long South First Phase Development Environmental Team on 26 October 2022. The Contractor period is 78 months, which covers the construction period and the first-year operation period for the Works Contracts 1, 2 and 3 under the Yuen Long South First Phase Development (hereinafter named as "the Project).
- 1.1.2 The Yuen Long South (YLS) Planning and Engineering Study is a Designated Project under *Item 1 Schedule 3* of the Environmental Impact Assessment Ordinance. In November 2017, Environmental Impact Assessment (EIA) report for YLS Development (Register no.: AEIAR-215/2017) was approved by the Director of Environmental Protection pursuant to EIAO (hereinafter called "the approved EIA Report"). The approved EIA report (AEIAR-215/2017), the approval letter with conditions and recommendations and the relevant Environmental Permit (EP) issued subsequently. To implement the Project, there are various infrastructure items among some of which are classified as DPs under *Schedule 2 of the EIA Ordinance*.
- 1.1.3 The YLS Development is currently being implemented by three phases: First Phase, Second Phase and Third Phase. The site formation and engineering infrastructure works to support the First Phase Development will be delivered through three works contracts, as listed as below:-
 - (a) CEDD Contract No. YL/2021/03 Site Formation and Infrastructure Works for Yuen Long South First Phase Development Contract 1
 - (b) CEDD Contract No. YL/2021/04 Site Formation and Infrastructure Works for Yuen Long South First Phase Development Contract 2 (the designated works of Contract 2 are governed by EP-549/2018 & EP-553/2018/A)
 - (c) CEDD Contract No. YL/2022/01 Site Formation and Infrastructure Works for Yuen Long South First Phase Development Contract 3 (the designated works of Contract 3 are governed by EP-548/2018/A, EP-549/2018, EP-550/2018/A & EP-551/2018/A)
- 1.1.4 The layout plan for Contracts 1, 2 and 3 of YLS First Phase Development is shown in *Appendix A*.

1.2 PURPOSE OF SUBMISSION

- 1.2.1 In accordance with the updated Environmental Monitoring and Audit Manual (Rev.10) (hereinafter named as "updated EM&A Manual") the Project, the landscape and visual baseline will be determined with reference to the habitat maps included in the EIA Report and detailed tree survey to be completed before the works can commence as well as preliminary site conditions verification surveys. In addition, according to Condition 3.3 of relevant EPs of YLS First Phase Development (i.e., EP-548/2018/A, EP-549/2018, EP-550/2018/A, EP-551/2018/A & EP-553/2018/A), Baseline Monitoring Report shall be submitted to the Director at least 2 weeks before commencement of the construction of the Project.
- 1.2.2 Baseline Monitoring Report for air quality, noise and water quality monitoring was submitted to Environmental Protection Department (EPD) on 7 July 2023. To facilitate reporting, separate baseline report for landscape & visual monitoring is submitted as



supplementary to the baseline report monitoring.

2 LANDSCPE AND VISUAL BASELINE OF YLS FIRST PHASE DEVELOPMENT

2.1 GENERAL

2.1.1 The approved EIA Report (AEIAR-215/2017) has recommended Environmental Monitoring & Audit (EM&A) for landscape and visual mitigation measures to be undertaken during the design, construction and operational stages of the project. The design, implementation and maintenance of landscape mitigation measures is a key aspect of this and should 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. In addition, implementation of the mitigation measures recommended by the EIA will be monitored through the site audit programme.

2.2 REQUIREMENT

- 2.2.1 According to the Section 10.3.1 of the updated EM&A Manual of the Project, the landscape and visual baseline will be determined with reference to the habitat maps included in the EIA Report and detailed tree survey to be completed before the works can commence as well as preliminary site conditions verification surveys.
- 2.2.2 Whilst detail tree survey findings undertaken by the Main Contractors of the Site Formation and Infra-structure Works for the Yuen Long South First Phase Development Contract 1, 2 and 3 are yet available in full during the time of reporting; with reference to the Section 10 of the approved EIA Report (Ref. AEIAR-215/2017 Housing Sites in Yuen Long South), a site conditions verification survey has been conducted in April to June 2023 to verify if there are any major changes in the landscape and visual conditions that are applicable to the Project Area of the above three contracts.
- 2.2.3 Since the landscape and visual assessment of the approved EIA report applied to the whole project area of the housing sites in Yuen Long south and the current 3 Contracts only cover the site formation and infra-structures works included in the first phase of the proposed development, only those identified/described LR, LCA and VSR that are relevant to the current Projects will be addressed in this baseline monitoring, i.e., the LR and LCA are located within 500m of the Project Areas, and the VSR will be affected by the works of the three current Contracts.

2.3 SURVEY METHOD

- 2.3.1 Site conditions verification surveys were conducted in April to June 2023 around the project areas under the Contract 1, 2 and 3 of the Site Formation and Infra-structure Works for the Yuen Long South First Phase Development (hereafter refer as "Project Areas" in this report, see *Figure A*), and cover 500m from the work boundaries of each of the Contract. In particularly, those Landscape Resources (LRs) and Landscape Character Areas (LCAs) identified in the approved EIA Report and applicable to the Project Areas were revisited as far as practicable to verify if there are any major changes in the landscape baseline with reference to the approved EIA Report.
- 2.3.2 On the other hand, those visual sensitive receivers (VSRs) identified in the approved EIA Report for the Yuen Long South Development Project and applicable to the Project Areas were revisited as far as practicable to verify if there are any major change of visual baseline



with reference to those presented in the approved EIA Report.

3 RESULTS

3.1 LANDSCAPE RESOURCES (LRS)

- 3.1.1 16 LRs has been identified in the approved EIA report as shown in the *Appendix B* and listed below (see the approved EIA Report for detailed descriptions of the LRs), in which the LR6 Reservoir is considered inapplicable as the "Tan Kwai Tsuen North Fresh Water Service Reservoir" is located beyond 500m from the Project Area of the three Contracts.
 - LR1 Agricultural Land, this LR is subcategorized as follows:
 - · LR1a Active Agricultural Land
 - · LR1b Abandoned Agricultural Land
 - · LR1c Orchard
 - LR2 Lowland Mixed Trees, Shrubland and Grassland
 - LR3 Hillside Shrubland and Grassland
 - LR4 Secondary Woodland
 - LR5 Plantation
 - LR6 Urban Park
 - LR7 Road and Urban Infrastructure
 - LR8 Major Transport Corridor
 - LR9 Urbanised Development
 - LR10 Village Type Development
 - LR11 Open Storage/ Rural Built Area
 - LR12 Disturbed Area
 - LR13 Agricultural Pond
 - LR14 Channelised Watercourse
 - LR15 Watercourses of higher ecological value
- 3.1.2 The above 15 LRs were revisited as far as practicable and the updated baseline conditions of those LRs are presented in *Figure B*. No major change of those landscape resource / element was identified during the site verification survey.

3.2 LANDSCAPE CHARACTER AREAS (LCAS)

- 3.2.1 8 LCAs were identified and described in the approved EIA report (*Appendix C*), in which the LCA4 and LCA6 are considered inapplicable to the current context as LCA 4 refers to the "settled valley landscape" at south of Yeung Ka Tsuen and LCA 6 refers to a very small portion of the core of the Yuen Long New Town, where both of them are located beyond 500m of the *Project Areas*. The 6 LCAs applicable to the current Contracts include the followings and their detailed descriptions were presented in the approved EIA Report:
 - LCA1 Miscellaneous Rural Fringe Landscape, this LCA is subcategorized as follows:
 - LCA1a Miscellaneous Rural Fringe Landscape Open Storage/ Rural Built Area
 - LCA1b Miscellaneous Rural Fringe Landscape Lowland Agricultural Land
 - LCA2 Miscellaneous Urban Fringe Landscape

CEDD Service Contract No. WD/07/2022 Yuen Long South First Phase Development – Environmental Team Landscape and Visual Baseline Report



- LCA3 Upland and Hillside Landscape
- LCA5 Park Urban Landscape
- LCA6 "Hui" Urban Landscape
- LCA7 Urban Peripheral Village Landscape
- LCA8 Transportation Corridor Landscape
- 3.2.2 The above 7 LCAs were revisited as far as practicable and the updated conditions of those LCAs are presented in *Figure C*. Major changes of those landscape resource / element have not been noted during the site verification survey.

3.3 VISUAL SENSITIVE RECEIVERS (VSRs)

- 3.3.1 The VSR plan in the approved EIA report is shown in *Appendix D*, and the updated views of the VSRs identified for the whole Yuen Long South Development Project and applicable to the three sites formation and infra-structure works contracts were taken with similar views as far as possible/practicable during the site verification survey (see the locations of those viewpoints in *Appendix E. Figure D* provides a comparison of the photographs taken during the site verification survey and those presented in the approved EIA Report.
- 3.3.2 As a whole it is considered that all of the changes in the baseline conditions of those Visual Sensitive Receivers relevant to the current works are rather minor and would not causing a significant change in the overall landscape and visual baseline condition; and the results of the landscape and visual impact assessment presented in the approved EIA Report would remain valid. Additional landscape and visual mitigation measures other than those recommended in the approved EIA Report are thus not required.

4 **CONCLUSION**

4.1.1 A site conditions verification surveys were conducted in April to June 2023 around the project areas under the Contract 1, 2 and 3 of the Site Formation and Infra-structure Works for the Yuen Long South First Phase Development and the LRs, LCAs, as well as VSRs that are relevant to the above 3 Contracts have been verified as far as practicable with photographic records taken. It is concluded that, with reference to the Landscape and Visual Assessment presented in the approved EIA Report, the landscape and visual baseline conditions within the 3 work contracts are similar to those presented in the approved EIA Report. The Landscape and Visual Assessment is considered remain valid and additional landscape and visual mitigation measures other than those recommended in the approved EIA Report are thus not required.



Figure A

Project Area of the 3 Work Contracts

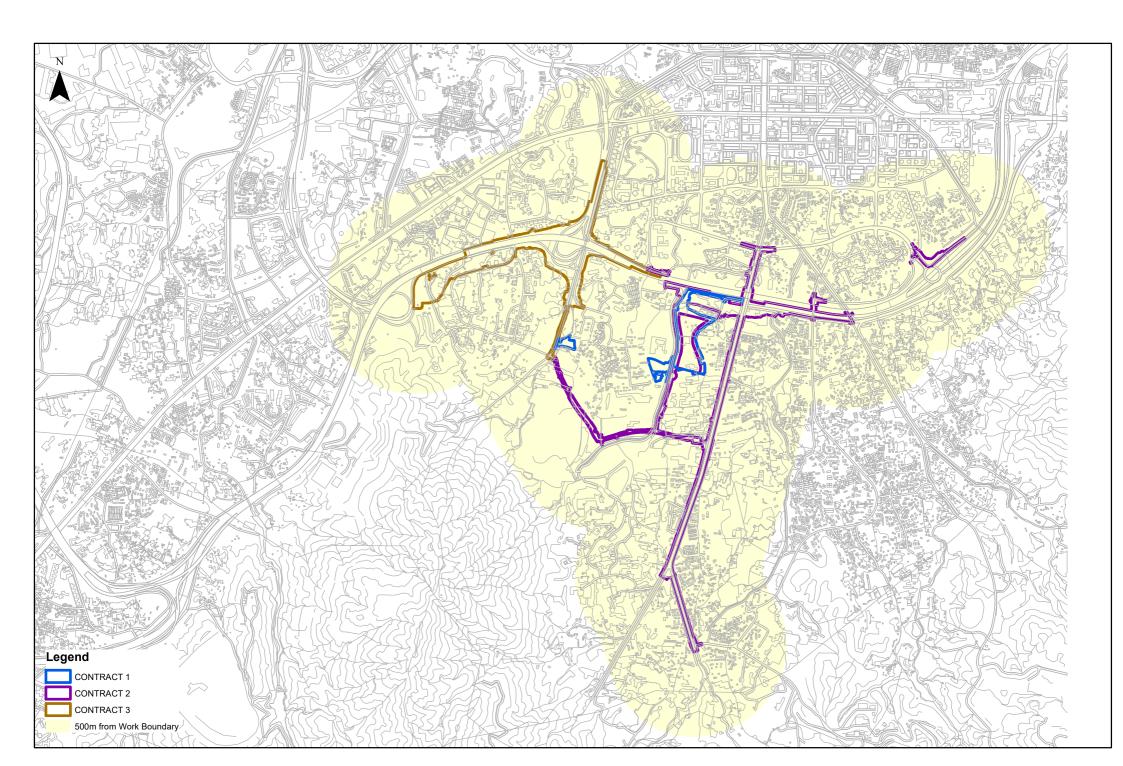




Figure B

Photographs of Landscape Resources



LR 1a Active Agricultural Land



LR 1b Abandoned Agricultural Land



LR 1c Orchard



LR 2 Lowland Mixed Trees, Shrubland and Grassland



LR 3 Hillside Shrubland and Grassland



LR 4 Secondary Woodland



LR 5 Plantation



LR 6 Urban Park 2



LR 7 Road and Urban Infrastructure



LR 8 Major Transport Corridor-



LR 9 Urbanised Development2



LR 10 Village Type Development



LR 11 Open Storage Rural Built Area



LR 12 Disturbed Area



LR 13 Agricultural Pond



LR 14 Channelised Watercourse



LR 15 Watercourses of higher ecological value



Figure C

Photographs of Landscape Character Areas



LCA1 - Miscellaneous Rural Fringe Landscape



LCA2 – Miscellaneous Urban Fringe Landscape



LCA3 – Upland and Hillside Landscape



LCA5 – Park Urban Landscape



LCA6 - Hui Urban Landscape





LCA8 – Transportation Corridor Landscape



Figure D

Photographs of VSR (compared with EIA Report)

VSR1 Yuen Long Park Tower

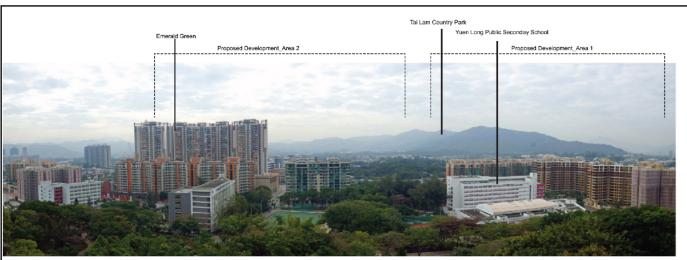


Photo extracted from the approved EIA Report AEIAR-215/2017 - Housing Sites in Yuen Long South



Photo taken during Site Conditions Verification Survey

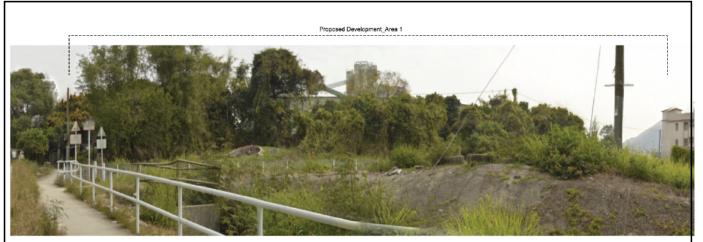


Photo extracted from the approved EIA Report AEIAR-215/2017 - Housing Sites in Yuen Long South



Photo taken during Site Conditions Verification Survey

VSR5 Forefront Cyber Centre



Photo extracted from the approved EIA Report AEIAR-215/2017 - Housing Sites in Yuen Long South

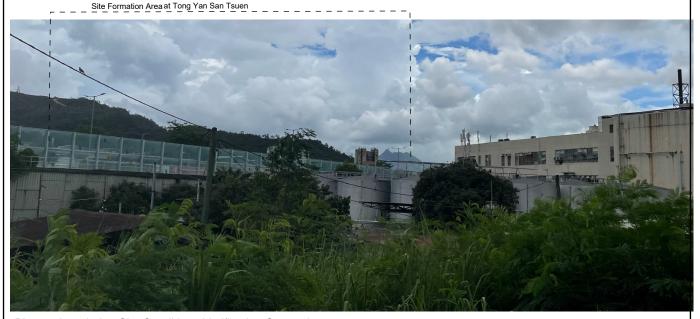


Photo taken during Site Conditions Verification Survey *

^{*}Photo shown in the EIA Report was taken from the rooftop of the Forefront Cyber Centre, which was inaccessible in this reporting, and photo was taken from an alternative location north of the Yuen Long Highway that could provide a view of the Project Site

VSR6 Jasper Court and Long Tin Road



Photo extracted from the approved EIA Report AEIAR-215/2017 - Housing Sites in Yuen Long South



Photo taken during Site Conditions Verification Survey

VSR8 Tong Yan San Tsuen Interchange



Photo extracted from the approved EIA Report AEIAR-215/2017 - Housing Sites in Yuen Long South



Photo taken during Site Conditions Verification Survey

VSR9 Intersection of Kung Um Road and Shap Pat Heung Road



Photo extracted from the approved EIA Report AEIAR-215/2017 - Housing Sites in Yuen Long South



Photo taken during Site Conditions Verification Survey

Infra-structure Works on Kiu Hing Road

VSR10 Intersection of Lam Hei Road and Kung Um Road



Photo extracted from the approved EIA Report AEIAR-215/2017 - Housing Sites in Yuen Long South



Photo taken during Site Conditions Verification Survey

VSR11 Tin Liu Tsuen



Photo extracted from the approved EIA Report AEIAR-215/2017 - Housing Sites in Yuen Long South



Photo taken during Site Conditions Verification Survey

VSR12 Chun Fai Garden



Photo extracted from the approved EIA Report AEIAR-215/2017 - Housing Sites in Yuen Long South





Photo taken during Site Conditions Verification Survey

VSR13 Pathway near Muk Kiu Tau Tsuen

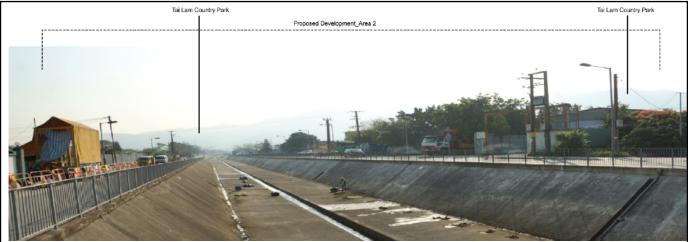


Photo extracted from the approved EIA Report AEIAR-215/2017 - Housing Sites in Yuen Long South

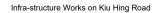




Photo taken during Site Conditions Verification Survey

VSR14 Kiu Hing Road near Pak Sha Tsuen



Photo extracted from the approved EIA Report AEIAR-215/2017 - Housing Sites in Yuen Long South





Photo taken during Site Conditions Verification Survey

VSR15 One Hyde Park Bus Station



Photo extracted from the approved EIA Report AEIAR-215/2017 - Housing Sites in Yuen Long South





Photo taken during Site Conditions Verification Survey

VSR16 Channel Pathway on Kung Um Road



Photo extracted from the approved EIA Report AEIAR-215/2017 - Housing Sites in Yuen Long South



Photo taken during Site Conditions Verification Survey

VSR17 Pak Sha Tsuen Facing Southwest



Photo extracted from the approved EIA Report AEIAR-215/2017 - Housing Sites in Yuen Long South





Photo taken during Site Conditions Verification Survey

VSR19 Tai Lam Mountain Facing East

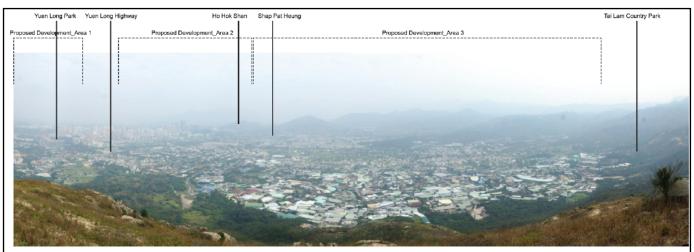


Photo extracted from the approved EIA Report AEIAR-215/2017 - Housing Sites in Yuen Long South

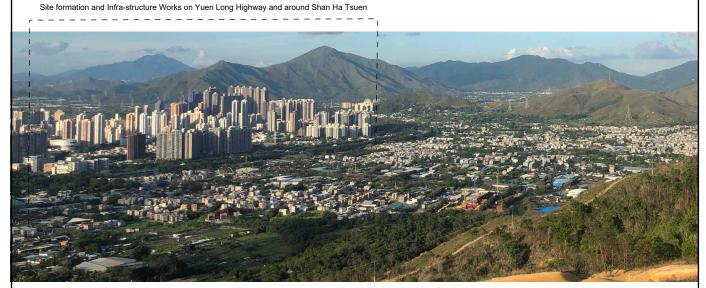


Photo taken during Site Conditions Verification Survey

VSR24 Tai Lam Mountain Facing Northeast

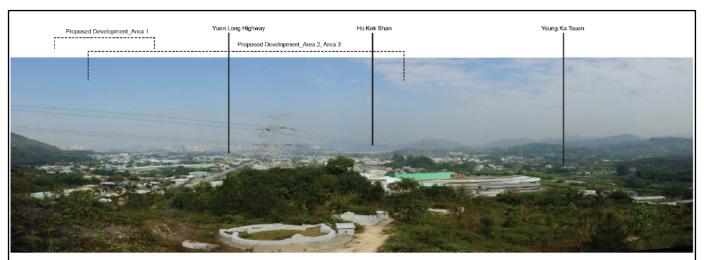


Photo extracted from the approved EIA Report AEIAR-215/2017 - Housing Sites in Yuen Long South



Photo taken during Site Conditions Verification Survey

VSR29 Sham Chung Tsuen

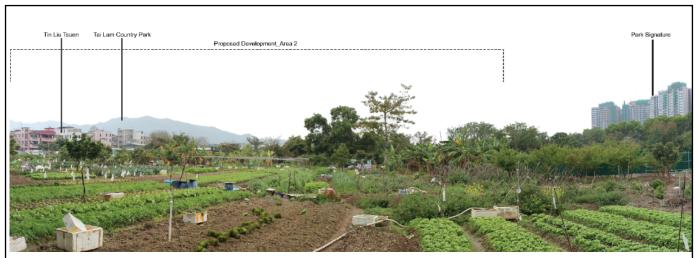


Photo extracted from the approved EIA Report AEIAR-215/2017 - Housing Sites in Yuen Long South



Photo taken during Site Conditions Verification Survey

VSR30 Shan Ha Tsuen



Photo extracted from the approved EIA Report AEIAR-215/2017 - Housing Sites in Yuen Long South





Photo taken during Site Conditions Verification Survey

VSR40 Intersection of Tai Tong Road



Photo extracted from the approved EIA Report AEIAR-215/2017 - Housing Sites in Yuen Long South



Infra-structure Works on Yuen Long Highway

Photo taken during Site Conditions Verification Survey

VSR42 Tai Shu Ha Road East Facing Northwest



Photo extracted from the approved EIA Report AEIAR-215/2017 - Housing Sites in Yuen Long South



Photo taken during Site Conditions Verification Survey

VSR44 Shap Pat Heung Road near La Grove



Photo extracted from the approved EIA Report AEIAR-215/2017 - Housing Sites in Yuen Long South

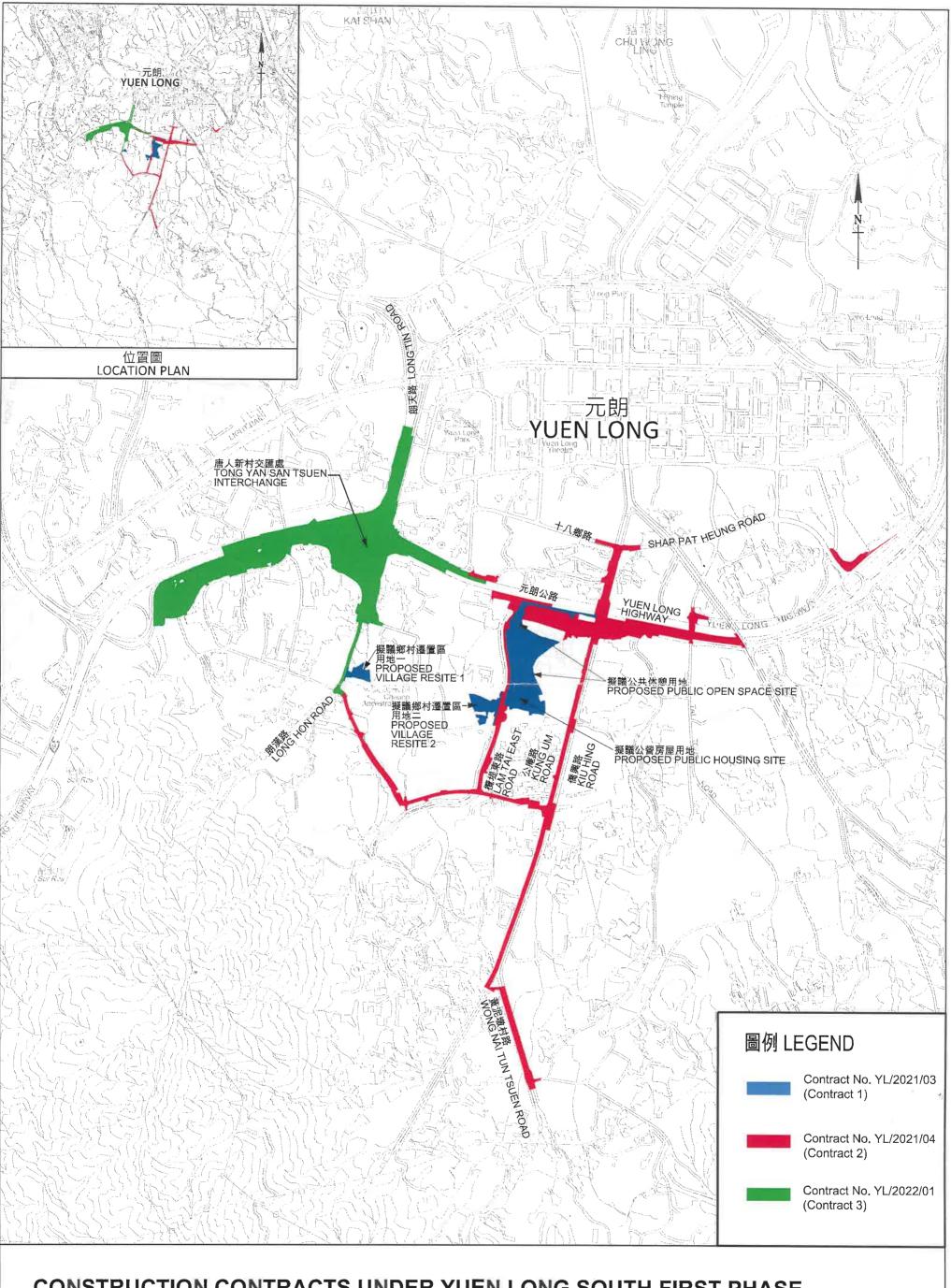


Photo taken during Site Conditions Verification Survey



Appendix A

The Layout Plan for YLS First Phase Development

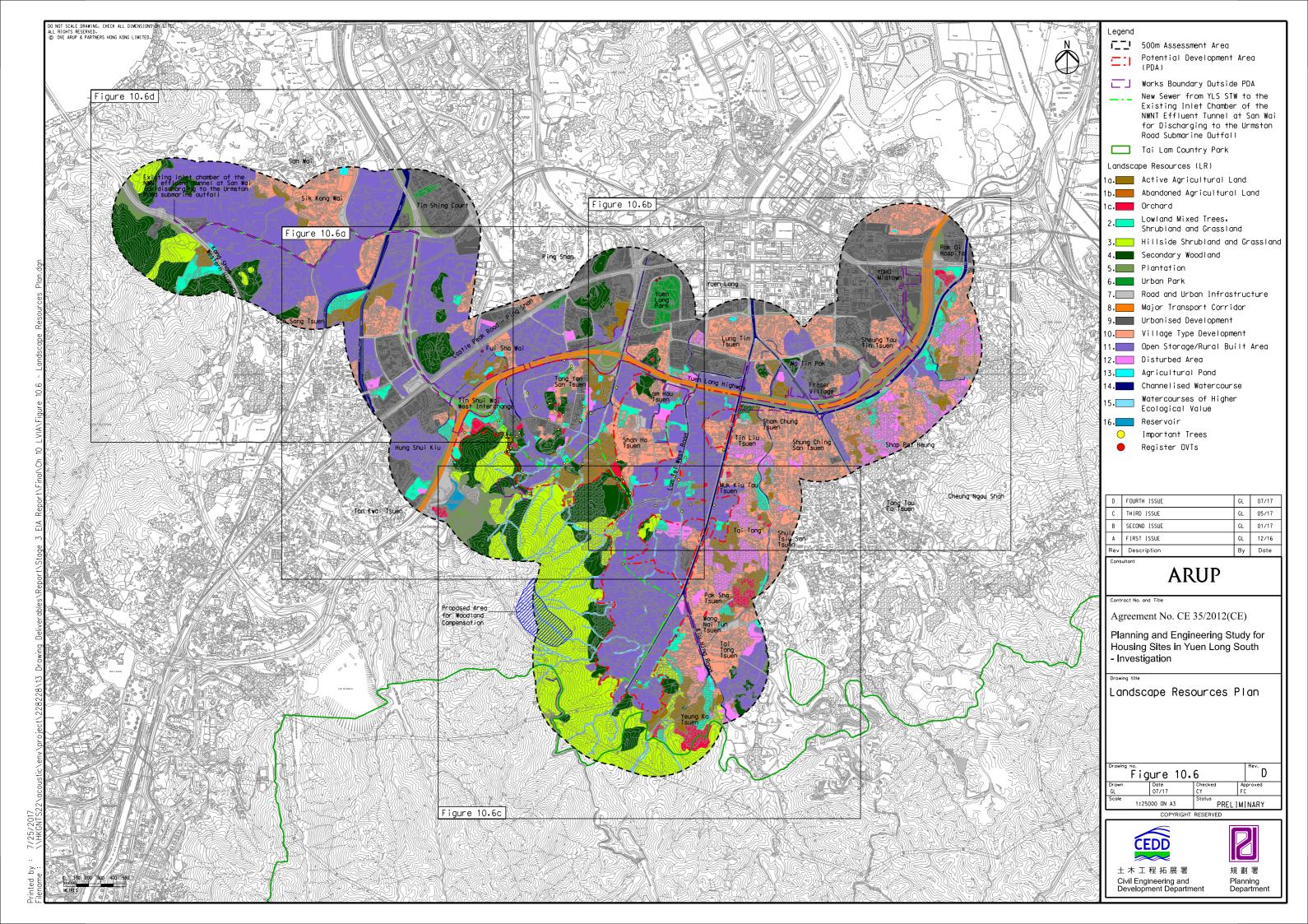


CONSTRUCTION CONTRACTS UNDER YUEN LONG SOUTH FIRST PHASE DEVELOPMENT



Appendix B

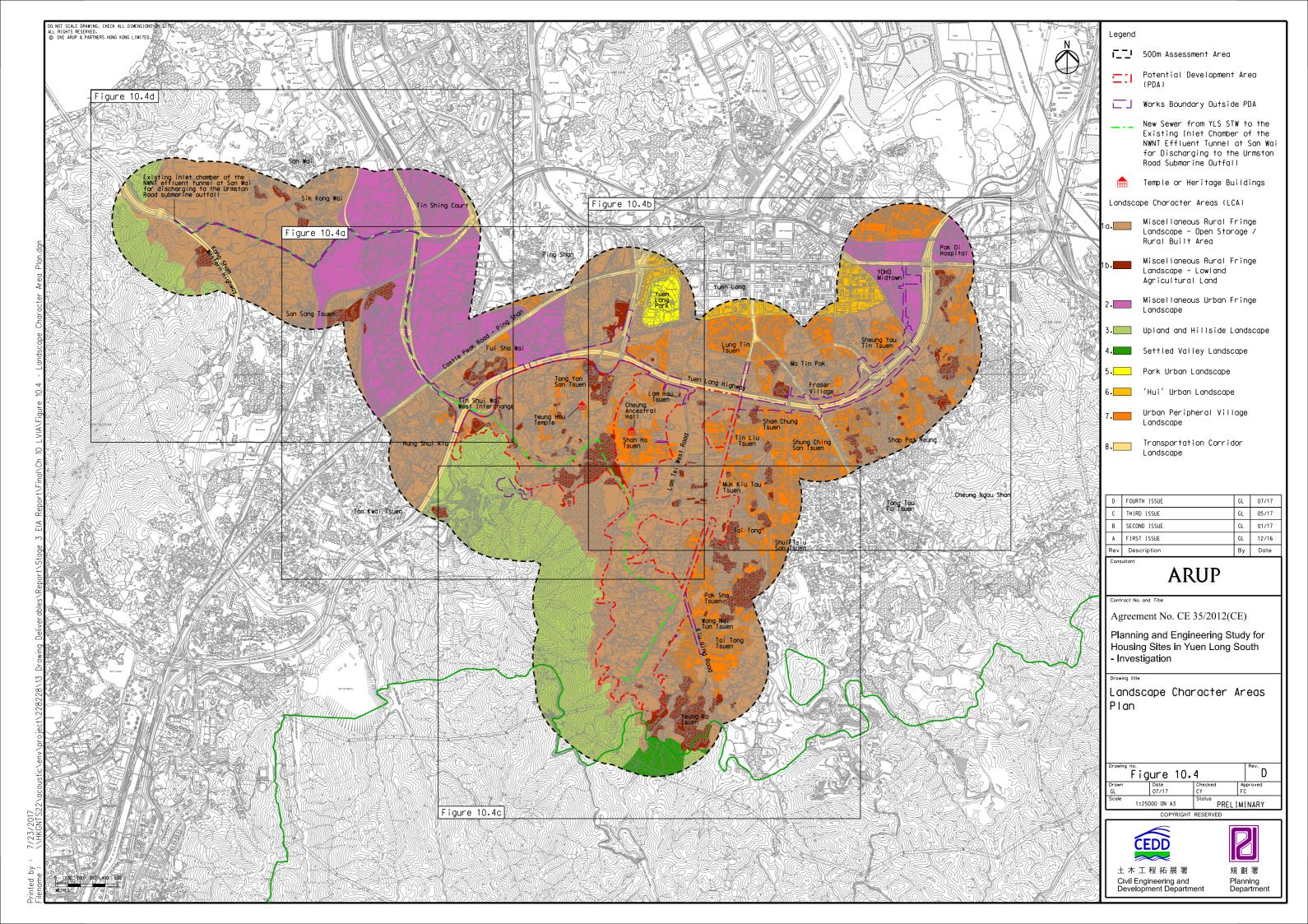
Landscape Resource Plan in the approved EIA Report





Appendix C

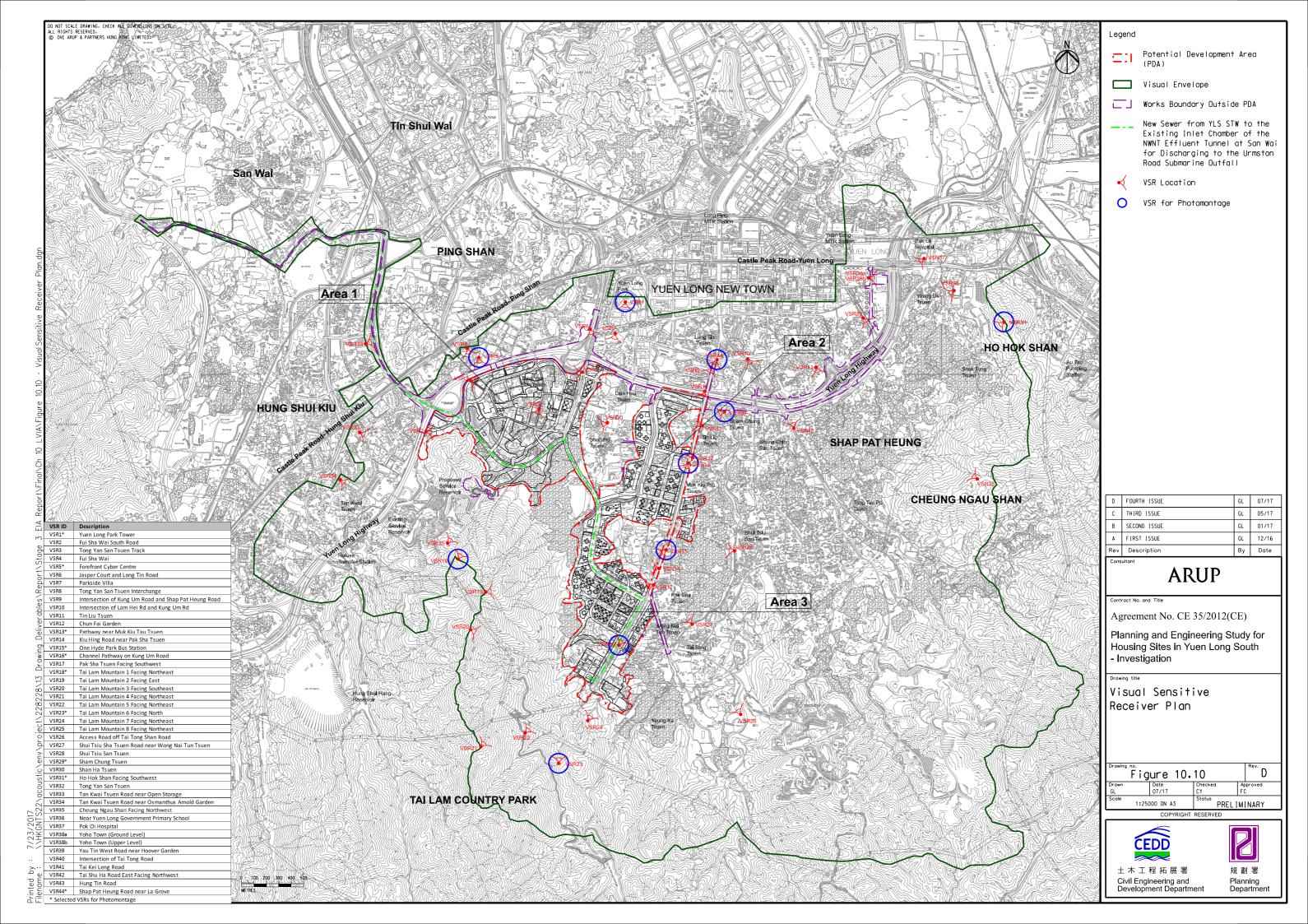
Landscape Character Areas Plan in the approved EIA Report





Appendix D

Visual Sensitive Receiver Plan in EIA





Appendix E

Visual Sensitive Receiver Plan for Baseline of YLS First Phase Development

