

West Rail

Habitat Creation and Management Plan

(VOLUME B)

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Environmental Manager



Date: 9 July 2018

Verified by: Grace Leung
Independent Environmental Checker



Date: 19 July 2018

1. Background

Under Civil Engineering and Development Departments ("CEDD") project namely Site Formation and Infrastructure Works for Development at Kam Tin South, Yuen Long, CEDD agreement number CE34/2014 (CE) (the "Project"), a section of Kam Ho Road between Kam Tin Road and Tung Wui Road will be improved in order to meet the future traffic demand. Kam Ho Road is currently a single 2-lane road and is classified as rural road. It will be widened to a dual 2-lane carriageway. The existing Kam Ho Road will become part of the proposed north bound Kam Ho Road whereas a new elevated road will be formed under this Project as the south bound of Kam Ho Road.

Due to the implementation of the project, the proposed road works would affect a significant portion of land Parcels G & H as well as minor portion of Parcel J. The remaining unaffected portion of Parcels G & H will have limited ecological function. In order to provide a better linkage with other wetlands and enhance the wetland characteristic, the whole land Parcel G of approximately 0.13 ha and Parcel H of approximately 0.44 ha will be surrendered completely and relevant portion of Parcel J, approximately 135m², will be surrendered. A new parcel of wetland Parcel M will be re-provided by CEDD at its own costs on a "like-for-like" basis. For the purpose of identification only, the approximate locations of Parcel G, Parcel H and portion of Parcel J to be surrendered, as well as location of Parcel M, are shown and identified in **Figure B1**.

This Volume B refers to the description of Parcel M. Relevant contents in Volume A regarding guiding principles, target species, habitats to be created and implementation principles are applicable to the establishing of Parcel M by CEDD and the management, maintenance and monitoring of Parcel M by the Government.

2. Site Locations

Land Parcel M comprise of 0.7ha of land north of Kam Tin River and east of Parcel D (for the purpose of identification only, the approximate location of which is shown and identified in **Figure B2**). The land is currently suspected to be an abandoned fishpond. Its eastern boundary directly abuts an abandoned meander KN8 and a public open space proposed by LCSD. The site is currently unoccupied and wetland habitats would be made available upon the completion of the construction of Parcel M as certified by CEDD for the purpose of Habitat Creation and Management Plan ("HCMP") so that Parcels G, H and relevant portion of Parcel J will thereupon no longer form part of the wetland habitats under this HCMP and all maintenance, management and/or monitoring obligation and any other liability/obligation in relation to Parcels G, H and the relevant portion of Parcel J under this HCMP shall cease with immediate effect on the date of the confirmation letter of the completion of the construction of Parcel M by CEDD

(the "Date"). For the purpose of identification only, the approximate location of Parcel M is shown and identified in **Figure B2**.

3. Recommendations for the Allocation of Land

Land Parcel M is adjacent to Land Parcel D and has the potential to provide similar habitat. Land Parcel M will replace the former Land Parcels G, H and portion of Parcel J. As it is not subject to such severe constraints as these sites, it is not anticipated that there will be any difficulties in Land Parcel M fully compensating for their mitigation function.

Land Parcel M: Terrestrial Habitat and Seasonal Marsh. Existing marsh habitat exists in the center part of this area. Re-profiling along the sloped sides will be carried out so as to maintain suitable water levels for marsh habitats. Terrestrial vegetation is proposed along the edges of this area to screen off disturbances from adjacent public open space and Chi Ho Road. The detail of seasonal marsh and terrestrial habitat creation shall refer to Volume A section 5.2 and section 5.5 respectively. The vegetation species at Parcel M shall be selected from the Possible Wetland Species for the Compensatory Habitat Areas Annex B of Volume A.

The latest allocation of the land parcels is indicated in *Table 1* below.

Table 1 Habitat to be created within each of the Land Parcels

Land Parcel	Proposed Habitats			
	Seasonal Marshes	Permanent Marshes	Permanent Ponds	Terrestrial Vegetation
Land Parcel A	**		***	*
Land Parcel B	***		**	*
Land Parcel C			***	**
Land Parcel D	***		**	*
Land Parcel E		***		*
Land Parcel F			***	*
Land Parcel G [#]	**			***
Land Parcel H [#]	**			***
Land Parcel I	**			***
Land Parcel J [#]		***		**
Land Parcel K	***	***		**
Land Parcel L		***		**

Proposed Habitats

Land Parcel M	***	**
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* - *** = presence and relative landtake of the proposed habitat, whereby *** denotes principal habitat to be provided.

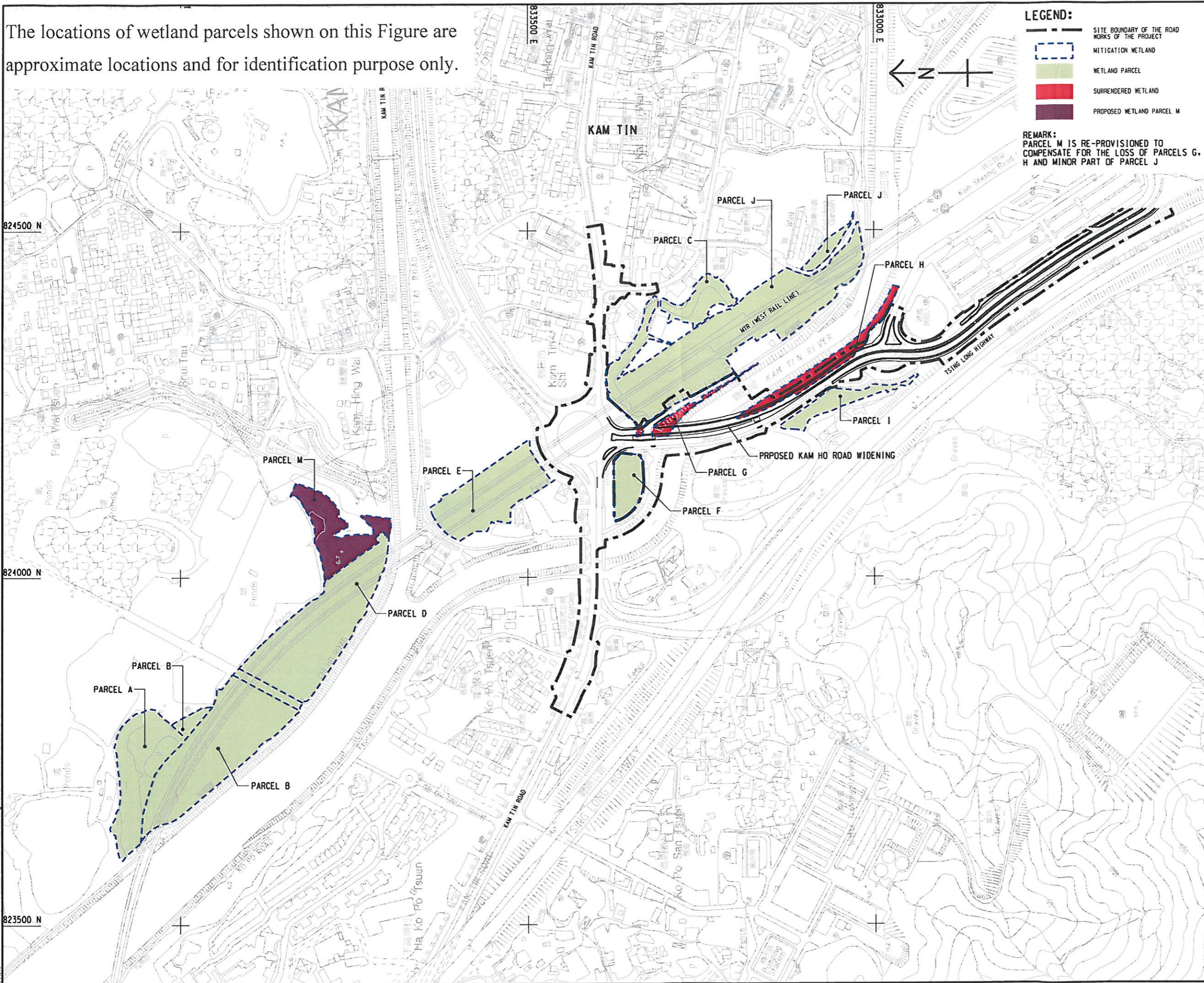
Parcels G, Parcel H and relevant portion of Parcel J will be replaced by Parcel M to be constructed by CEDD on the Date so that Parcels G, H and the relevant portion of Parcel J will thereupon no longer form part of the wetland habitats under this HCMP and all maintenance, management and/or monitoring obligation and any other liability/obligation in relation to Parcels G, H and the relevant portion of Parcel J under this HCMP (Volume A refers) shall cease with immediate effect on the Date.

4. Implementation Programme

In order to improve the linkage of wetland, Parcels G & H and portion of Parcel J will be replaced by Parcel M after the completion of the construction of Parcel M under the project "Site Formation and Infrastructure works for development at Kam Tin South, Yuen Long" managed by CEDD on the Date. The creation of the habitat at Parcel M will be undertaken by Specialist Contractors of CEDD. The Government will undertake the construction at its own costs and will be responsible for the management and maintenance of Parcel M during the 18-month establishment period. Thereafter, the management and maintenance obligations of Parcel M will be undertaken by KCRC.

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 Plot File by: CHENHK 2017/6/29
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The locations of wetland parcels shown on this Figure are approximate locations and for identification purpose only.



LEGEND:

- SITE BOUNDARY OF THE ROAD WORKS OF THE PROJECT
- MITIGATION WETLAND
- WETLAND PARCEL
- SURRENDERED WETLAND
- PROPOSED WETLAND PARCEL M

REMARK:
 PARCEL M IS RE-PROVISIONED TO COMPENSATE FOR THE LOSS OF PARCELS G, H AND MINOR PART OF PARCEL J

AECOM

PROJECT
 項目
 SITE FORMATION AND INFRASTRUCTURAL WORKS FOR THE INITIAL SITES AT KAM TIN SOUTH, YUEN LONG - INVESTIGATION, DESIGN AND CONSTRUCTION

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ISSUE/REVISION
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NO.	DATE	DESCRIPTION	CHK.

STATUS
 階段

SCALE **DIMENSION UNIT**
 比例 尺寸單位
 A1 : 2500 METRES

KEY PLAN
 索引圖

PROJECT NO. **CONTRACT NO.**
 項目編號 合約編號
 60336159 CE 34/2014 (CE)

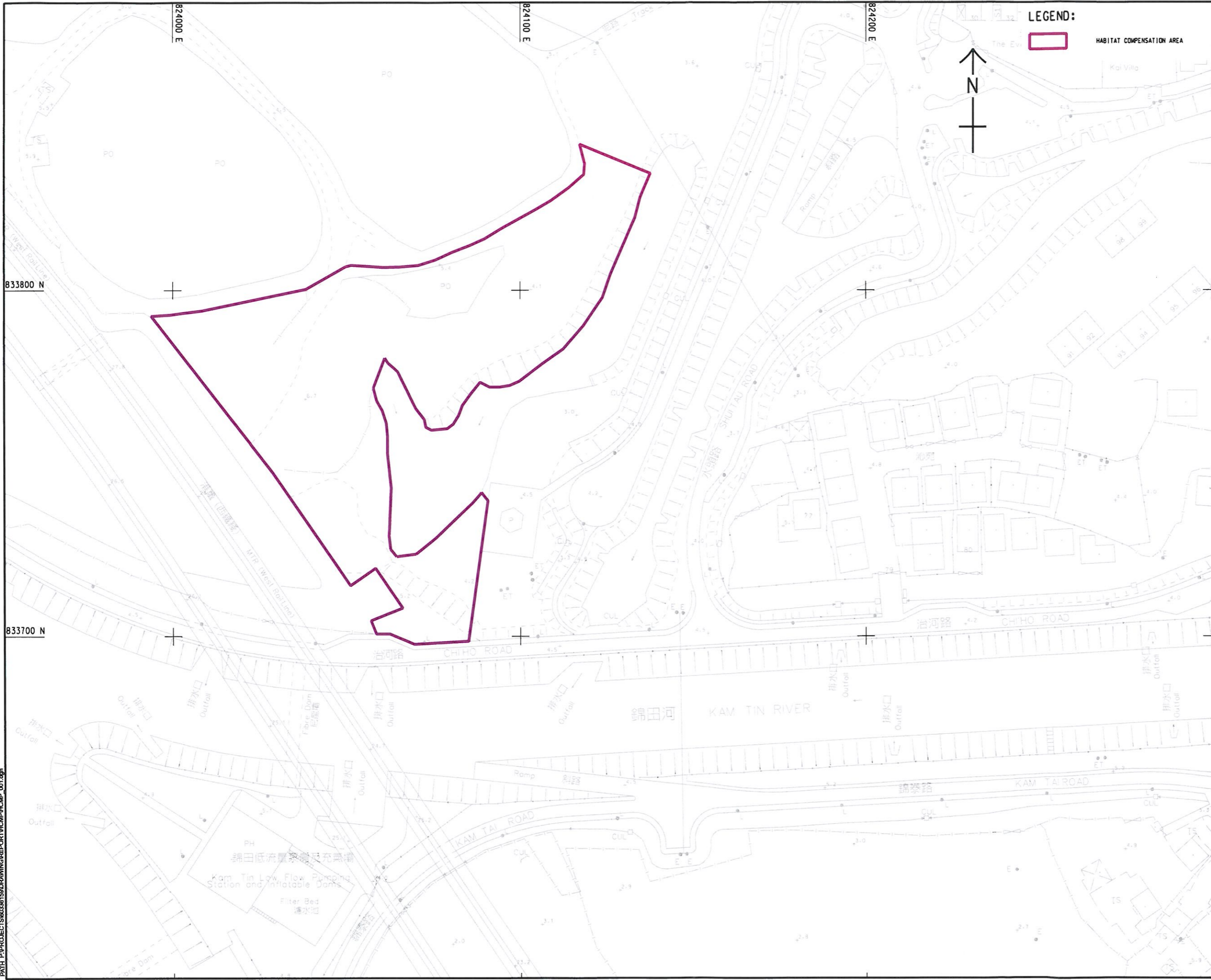
SHEET TITLE
 圖紙名稱
 HABITAT MAP

SHEET NUMBER
 圖紙編號
 60336159/HCMP/FIGURE B1

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LEGEND:
 HABITAT COMPENSATION AREA

AECOM
PROJECT
 SITE FORMATION AND
 INFRASTRUCTURAL WORKS
 FOR THE INITIAL SITES AT
 KAM TIN SOUTH, YUEN LONG
 - INVESTIGATION, DESIGN
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ISSUE/REVISION

IR	DATE	DESCRIPTION	CHK
修訂	日期	內容描述	核核

STATUS
 階段

SCALE
 比例
 A1 1: 500

DIMENSION UNIT
 尺寸單位
 METRES

KEY PLAN
 索引圖

PROJECT NO.
 項目編號
 60336159

CONTRACT NO.
 合約編號
 CE 34/2014 (CE)

SHEET TITLE
 圖紙名稱
 HABITAT COMPENSATION AREA
 PARCEL M

SHEET NUMBER
 圖紙編號
 60336159/HCOMP/FIGURE B2

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