Construction of Cycle Tracks and the

From Sha Po Tsuen to Shek Sheung River

Final Environmental Impact Assessment (EIA) Report (Volume 2 of 2 - Figures) December 2008



CEDD ± 木 ⊥ 程 拓 展 署
Civil Engineering and **Development Department**

Associated Supporting Facilities

ATKINS

In association with **ADI** Limited **Oikos Consulting Limited** Hong Kong Institute of Archaeology

LIST OF FIGURES

Figure 1-1	Cycle Track Alignment and Supporting Facilities
Figure 2-1	Study Area and The Key Environmental Elements
Figure 2-2	General Layout Plan (Sheet 1 of 8)
Figure 2-3	General Layout Plan (Sheet 2 of 8)
Figure 2-4	General Layout Plan (Sheet 3 of 8)
Figure 2-5	General Layout Plan (Sheet 4 of 8)
Figure 2-6	General Layout Plan (Sheet 5 of 8)
Figure 2-7	General Layout Plan (Sheet 6 of 8)
Figure 2-8	General Layout Plan (Sheet 7 of 8)
Figure 2-9	General Layout Plan (Sheet 8 of 8)
Figure 2-10	Original and Proposed Cycle Track Alignment & Supporting Facilities
Figure 3-1	Location of Noise / Air Sensitive Receivers (1 of 10)
Figure 3-2	Location of Noise / Air Sensitive Receivers (2 of 10)
Figure 3-3	Location of Noise / Air Sensitive Receivers (3 of 10)
Figure 3-4	Location of Noise / Air Sensitive Receivers (4 of 10)
Figure 3-5	Location of Noise / Air Sensitive Receivers (5 of 10)
Figure 3-6	Location of Noise / Air Sensitive Receivers (6 of 10)
Figure 3-7	Location of Noise / Air Sensitive Receivers (7 of 10)
Figure 3-8	Location of Noise / Air Sensitive Receivers (8 of 10)
Figure 3-9	Location of Noise / Air Sensitive Receivers (9 of 10)
Figure 3-10	Location of Noise / Air Sensitive Receivers (10 of 10)
Figure 6-1	Water Sensitive Receivers and Related Water Systems
Figure 8-1	Areas Assessed in Site Reconnaissance (1 of 3)
Figure 8-2	Areas Assessed in Site Reconnaissance (2 of 3)
Figure 8-3	Areas Assessed in Site Reconnaissance (3 of 3)
Figure 9-1	Ecological Habitat Map (1 of 4)
Figure 9-2	Ecological Habitat Map (2 of 4)
Figure 9-3	Ecological Habitat Map (3 of 4)
Figure 9-4	Ecological Habitat Map (4 of 4)
Figure 9-5	Habitat Loss Map (1 of 8)
Figure 9-6	Habitat Loss Map (2 of 8)

Figure 9-7 Habitat Loss Map (3 of 8) Figure 9-8 Habitat Loss Map (4 of 8) Figure 9-9 Habitat Loss Map (5 of 8) Figure 9-10 Habitat Loss Map (6 of 8) Figure 9-11 Habitat Loss Map (7 of 8) Figure 9-12 Habitat Loss Map (8 of 8) Figure 9-13 Ponds Close to the Cycle Track Alignment (1 of 2) Figure 9-14 Ponds Close to the Cycle Track Alignment (2 of 2) Figure 9-15 **Ecological Mitigation Measures** Figure 10-1 Affected Inactive Fishpond Figure 11-1 Sites of Cultural Heritage in the Vicinity of the Project (1 of 4) Figure 11-2 Sites of Cultural Heritage in the Vicinity of the Project (2 of 4) Sites of Cultural Heritage in the Vicinity of the Project (3 of 4) Figure 11-3 Figure 11-4 Sites of Cultural Heritage in the Vicinity of the Project (4 of 4) Existing Condition of Project Surroundings Figure 11-5 Figure 11-6 Aerial Imagery (Map 1 of 5) Figure 11-7 Aerial Imagery (Map 2 of 5) Figure 11-8 Aerial Imagery (Map 3 of 5) Figure 11-9 Aerial Imagery (Map 4 of 5) Figure 11-10 Aerial Imagery (Map 5 of 5) Figure 12-1A Review of Planning and Development Control Framework (1 of 2) Figure 12-1B Review of Planning and Development Control Framework (2 of 2) Figure 12-2A Landscape Resources (1 of 2) Figure 12-2B Landscape Resources (2 of 2) Figure 12-3A Preliminary Tree Survey Plan (Sheet 1 of 8) Figure 12-3B Preliminary Tree Survey Plan (Sheet 2 of 8) Figure 12-3C Preliminary Tree Survey Plan (Sheet 3 of 8) Figure 12-3D Preliminary Tree Survey Plan (Sheet 4 of 8) Figure 12-3E Preliminary Tree Survey Plan (Sheet 5 of 8) Figure 12-3F Preliminary Tree Survey Plan (Sheet 6 of 8) Figure 12-3G Preliminary Tree Survey Plan (Sheet 7 of 8)

ATKINS



土木工程拓展署 Civil Engineering and Development Department

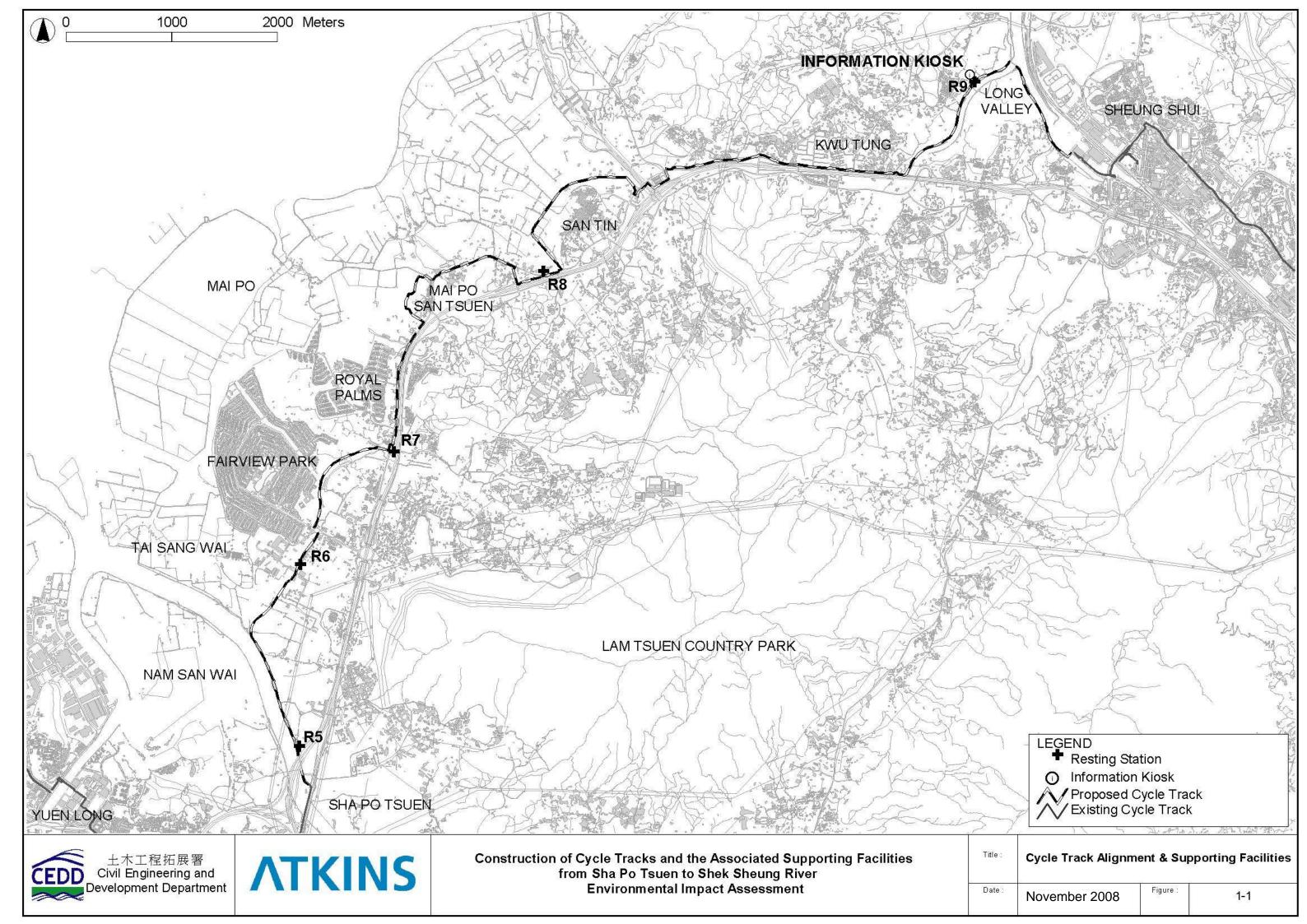
LIST OF FIGURES

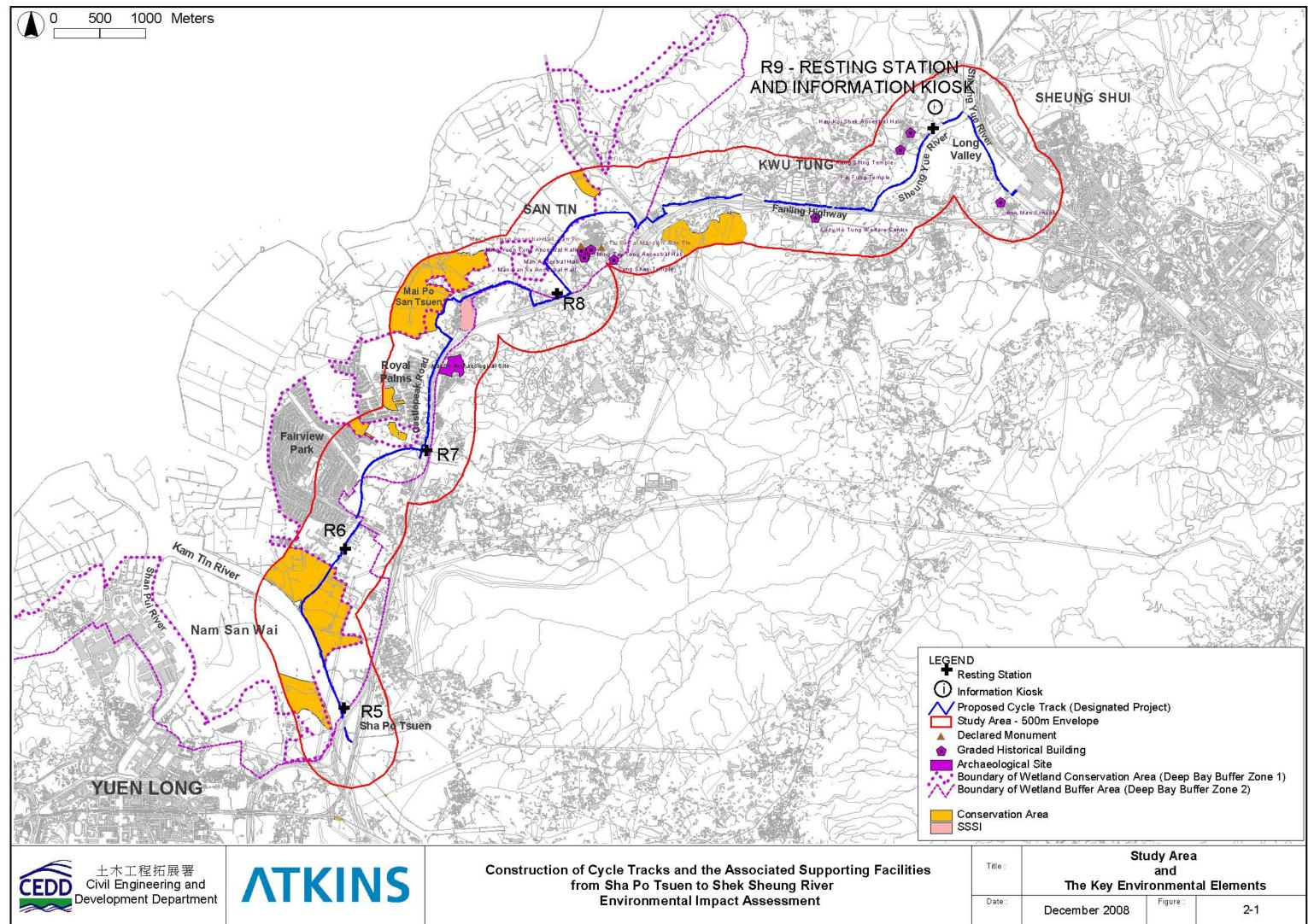
Figure 12-3H	Preliminary Tree Survey Plan (Sheet 8 of 8)
Figure 12-4A	Landscape Character Areas and Impacts (1 of 11)
Figure 12-4B	Landscape Character Areas and Impacts (2 of 11)
Figure 12-4C	Landscape Character Areas and Impacts (3 of 11)
Figure 12-4D	Landscape Character Areas and Impacts (4 of 11)
Figure 12-4E	Landscape Character Areas and Impacts (5 of 11)
Figure 12-4F	Landscape Character Areas and Impacts (6 of 11)
Figure 12-4G	Landscape Character Areas and Impacts (7 of 11)
Figure 12-4H	Landscape Character Areas and Impacts (8 of 11)
Figure 12-4I	Landscape Character Areas and Impacts (9 of 11)
Figure 12-4J	Landscape Character Areas and Impacts (10 of 11)
Figure 12-4K	Landscape Character Areas and Impacts (11 of 11)
Figure 12-5A	Landscape Character Area Photographs (1 of 2)
Figure 12-5B	Landscape Character Area Photographs (2 of 2)
Figure 12-6A	Impacts on Landscape Resources (1 of 8)
Figure 12-6B	Impacts on Landscape Resources (2 of 8)
Figure 12-6C	Impacts on Landscape Resources (3 of 8)
Figure 12-6D	Impacts on Landscape Resources (4 of 8)
Figure 12-6E	Impacts on Landscape Resources (5 of 8)
Figure 12-6F	Impacts on Landscape Resources (6 of 8)
Figure 12-6G	Impacts on Landscape Resources (7 of 8)
Figure 12-6H	Impacts on Landscape Resources (8 of 8)
Figure 12-7A	Visual Envelope and Zone of Visual Influence (1 of 2)
Figure 12-7B	Visual Envelope and Zone of Visual Influence (2 of 2)
Figure 12-7C	Visual Context and Visual Sensitive Receivers (1 of 2)
Figure 12-7D	Visual Context and Visual Sensitive Receivers (2 of 2)
Figure 12-8A	Visual Impacts (1 of 2)
Figure 12-8B	Visual Impacts (2 of 2)

Figure 12-9A	Design Concept Drawings and Recomm (1 of 6)
Figure 12-9B	Design Concept Drawings and Recommod (2 of 6)
Figure 12-9C	Design Concept Drawings and Recomm (3 of 6)
Figure 12-9D	Design Concept Drawings and Recomm (4 of 6)
Figure 12-9E	Design Concept Drawings and Recomm (5 of 6)
Figure 12-9F	Design Concept Drawings and Recomm (6 of 6)
Figure 12-9G	Recommended Landscape Mitigation Me
Figure 12-9H	Recommended Landscape Mitigation Me
Figure 12-9I	Conceptual Landscape Mater Plan (1 of
Figure 12-9J	Conceptual Landscape Mater Plan (2 of
Figure 12-9K	Conceptual Landscape Mater Plan (3 of
Figure 12-9L	Conceptual Landscape Mater Plan (4 of
Figure 12-9M	Conceptual Landscape Mater Plan (5 of
Figure 12-9N	Conceptual Landscape Mater Plan (6 of
Figure 12-9O	Conceptual Landscape Mater Plan (7 of
Figure 12-9P	Conceptual Landscape Mater Plan (8 of
Figure 12-10A	Photomontages - Vantage Point A (1 of
Figure 12-10B	Photomontages - Vantage Point A (2 of
Figure 12-10C	Photomontages - Vantage Point B (1 of
Figure 12-10D	Photomontages - Vantage Point B (2 of
Figure 12-10E	Photomontages - Vantage Point C (1 of
Figure 12-10F	Photomontages - Vantage Point C (2 of

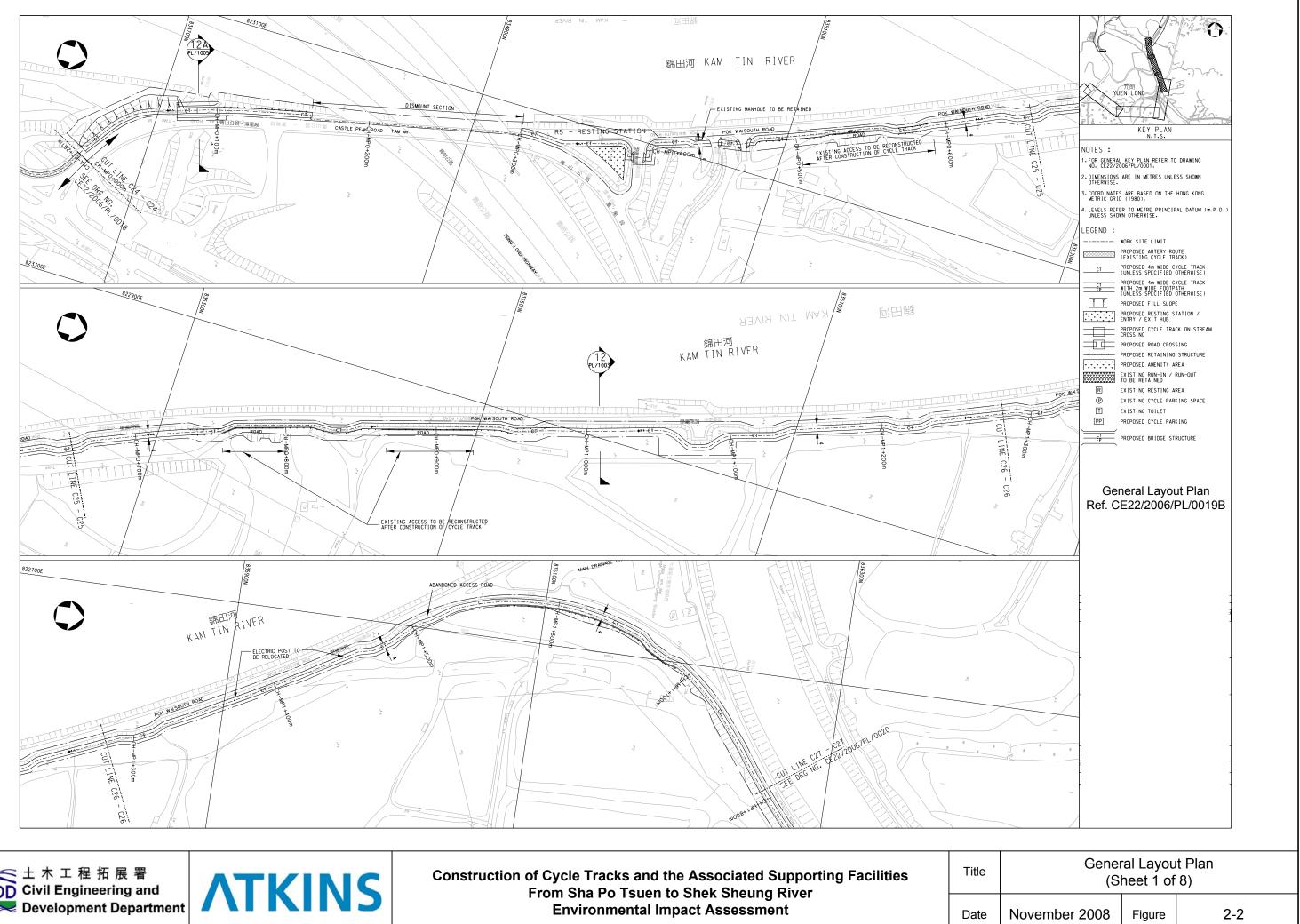


- mended Landscape Mitigation Measures
- Aeasures (1 of 2) Aeasures (2 of 2) of 8) of 2) of 2) of 2) of 2) of 2)
- of 2)

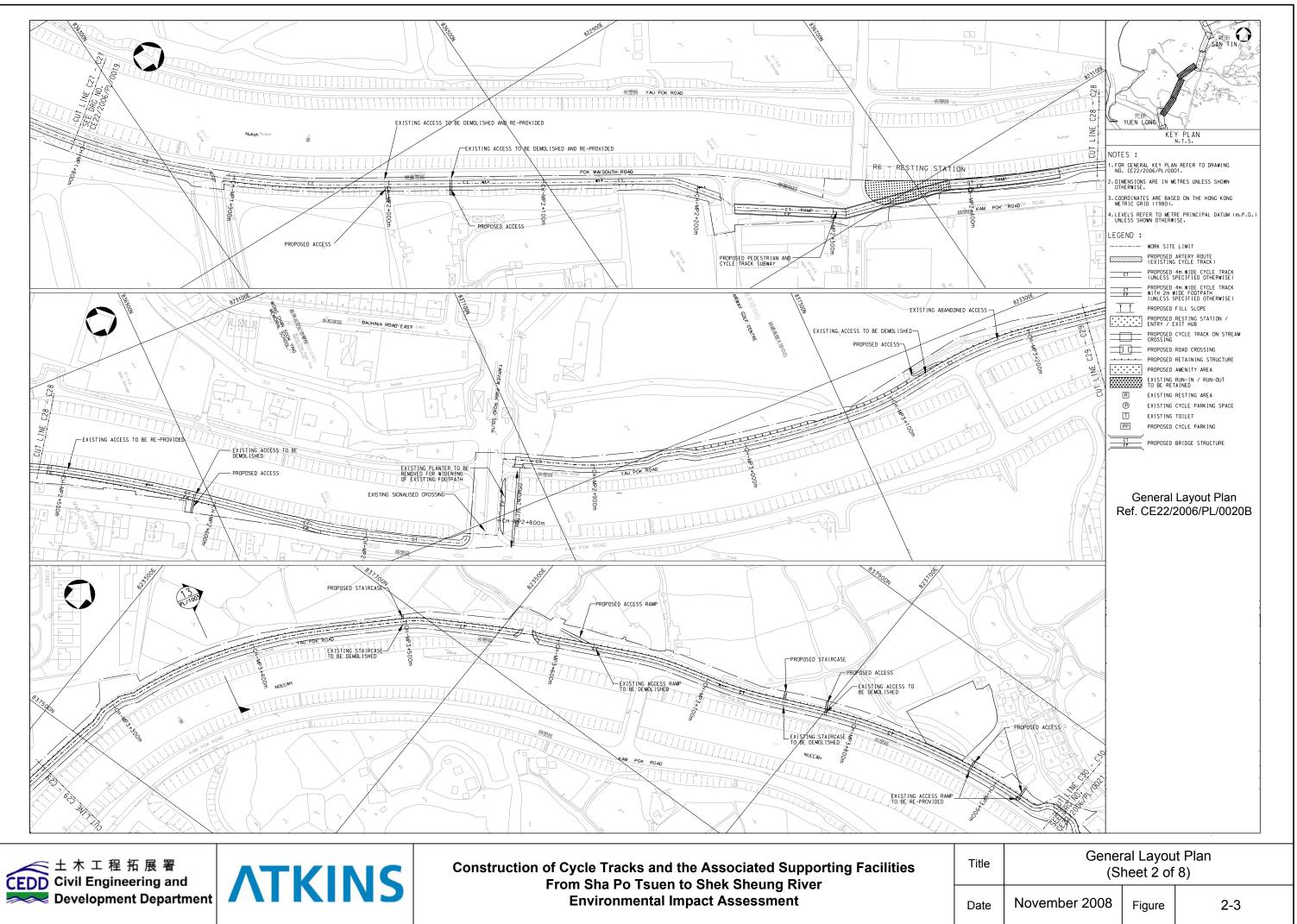




э:	Study Area and			
	The Key Envi		Elements	
e:	December 2008	Figure :	2-1	

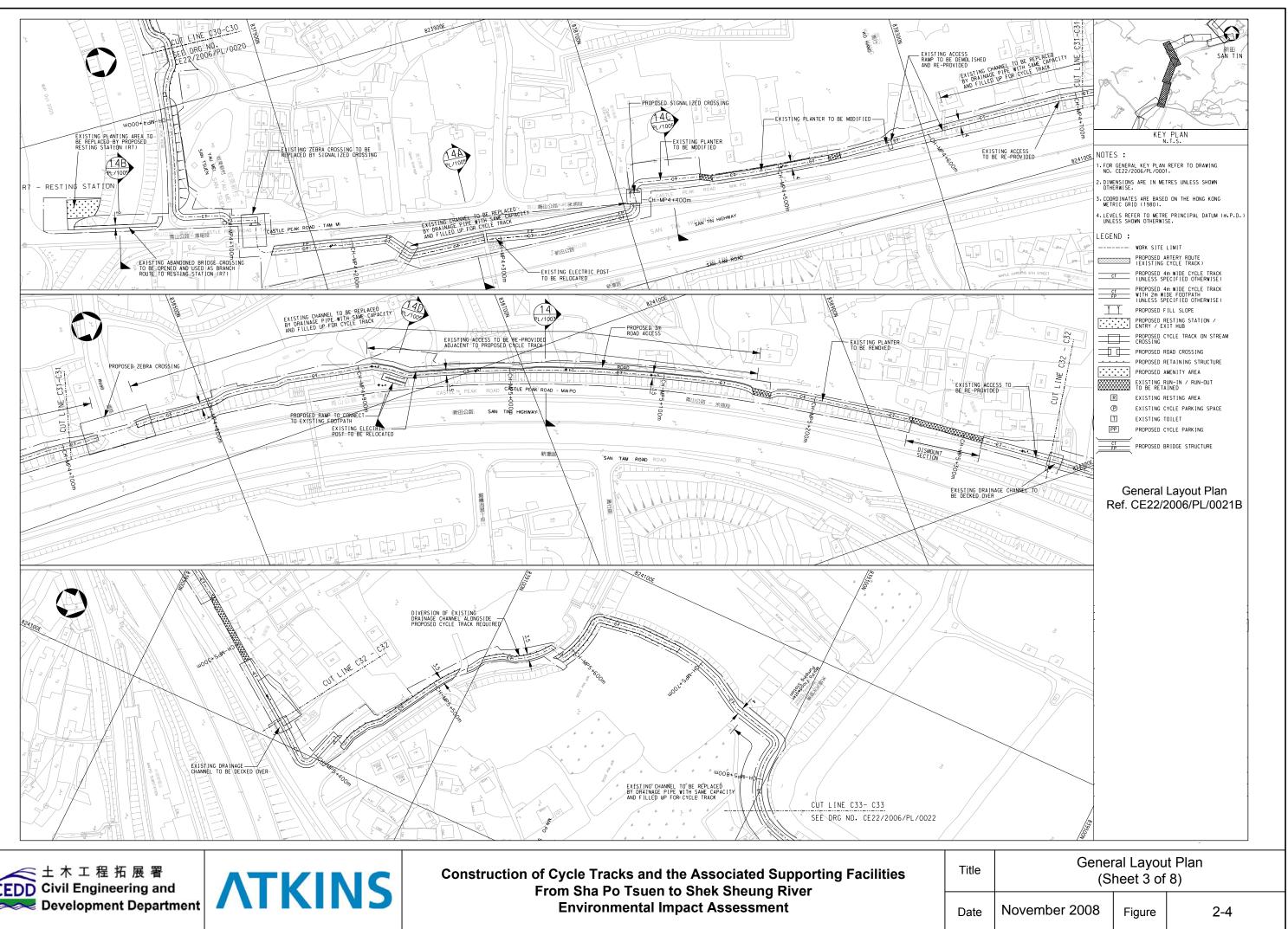






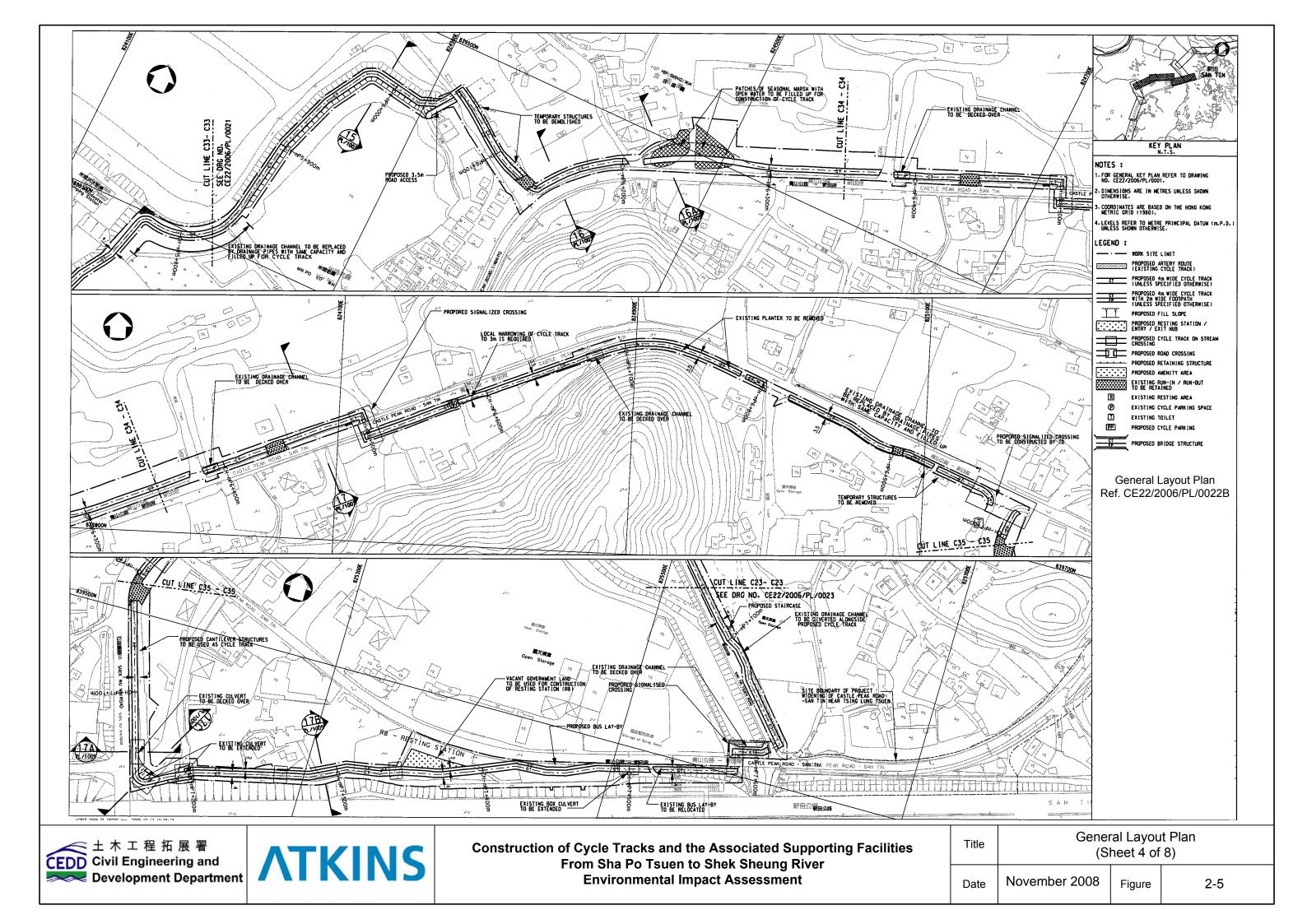


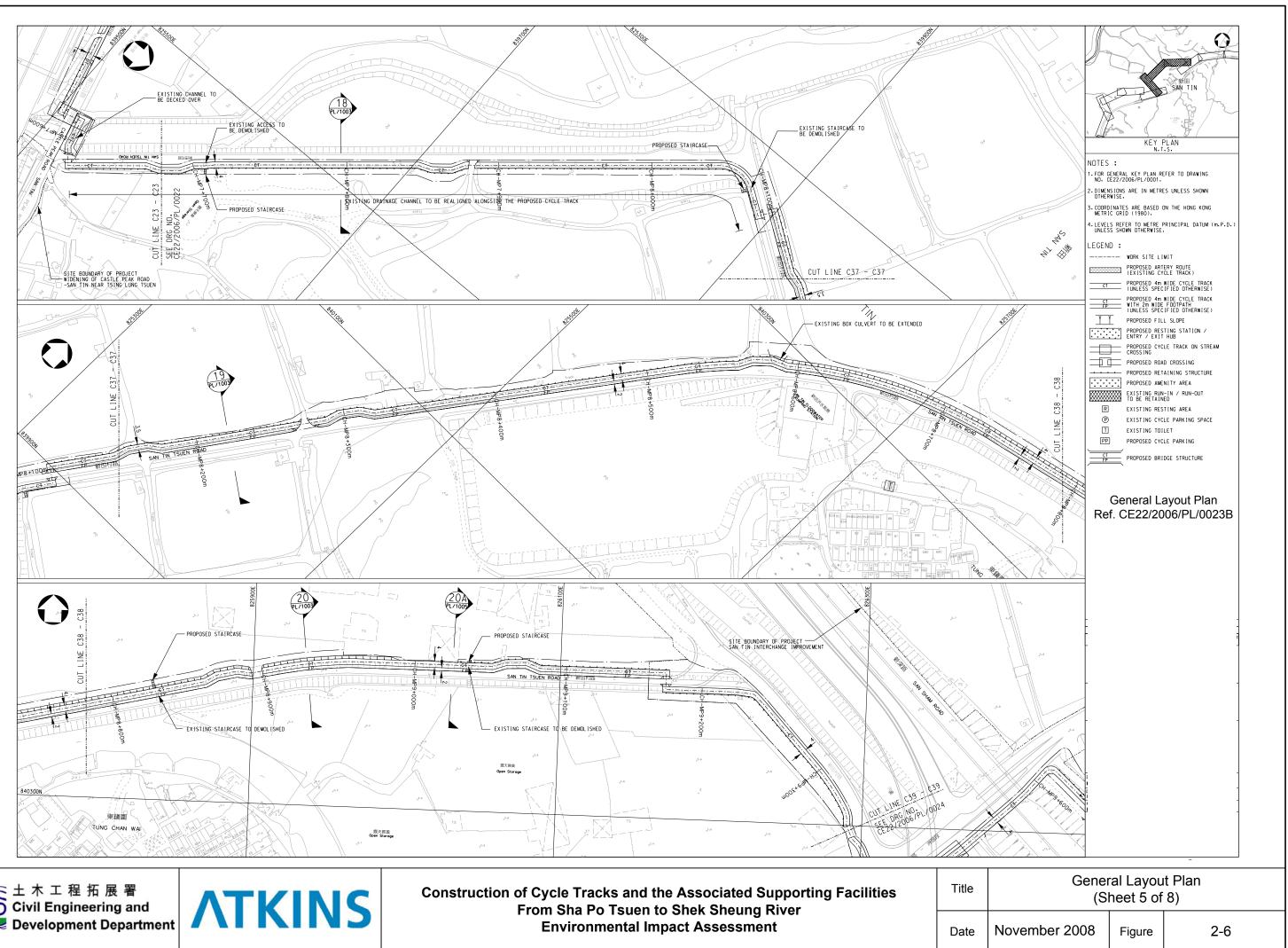




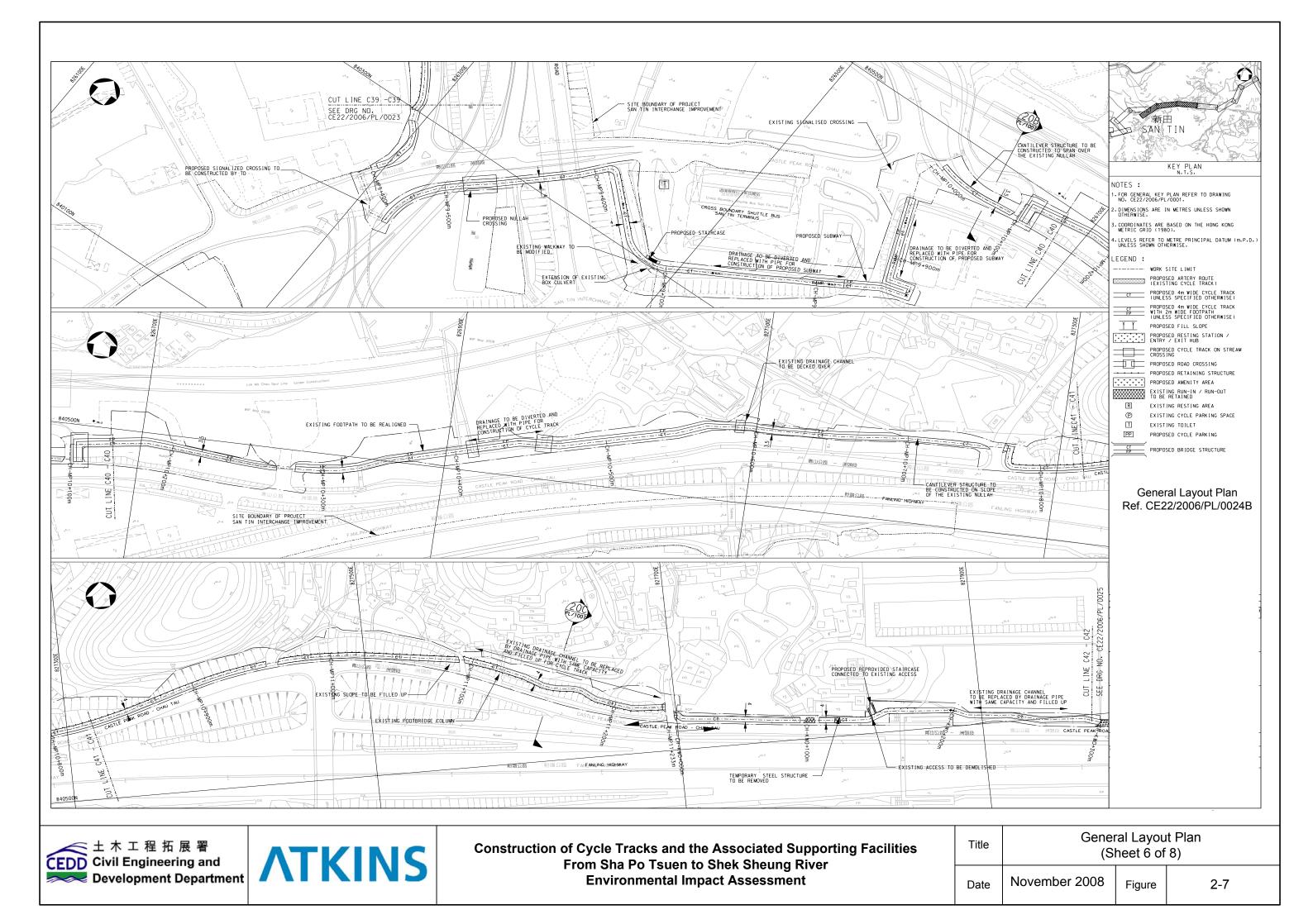


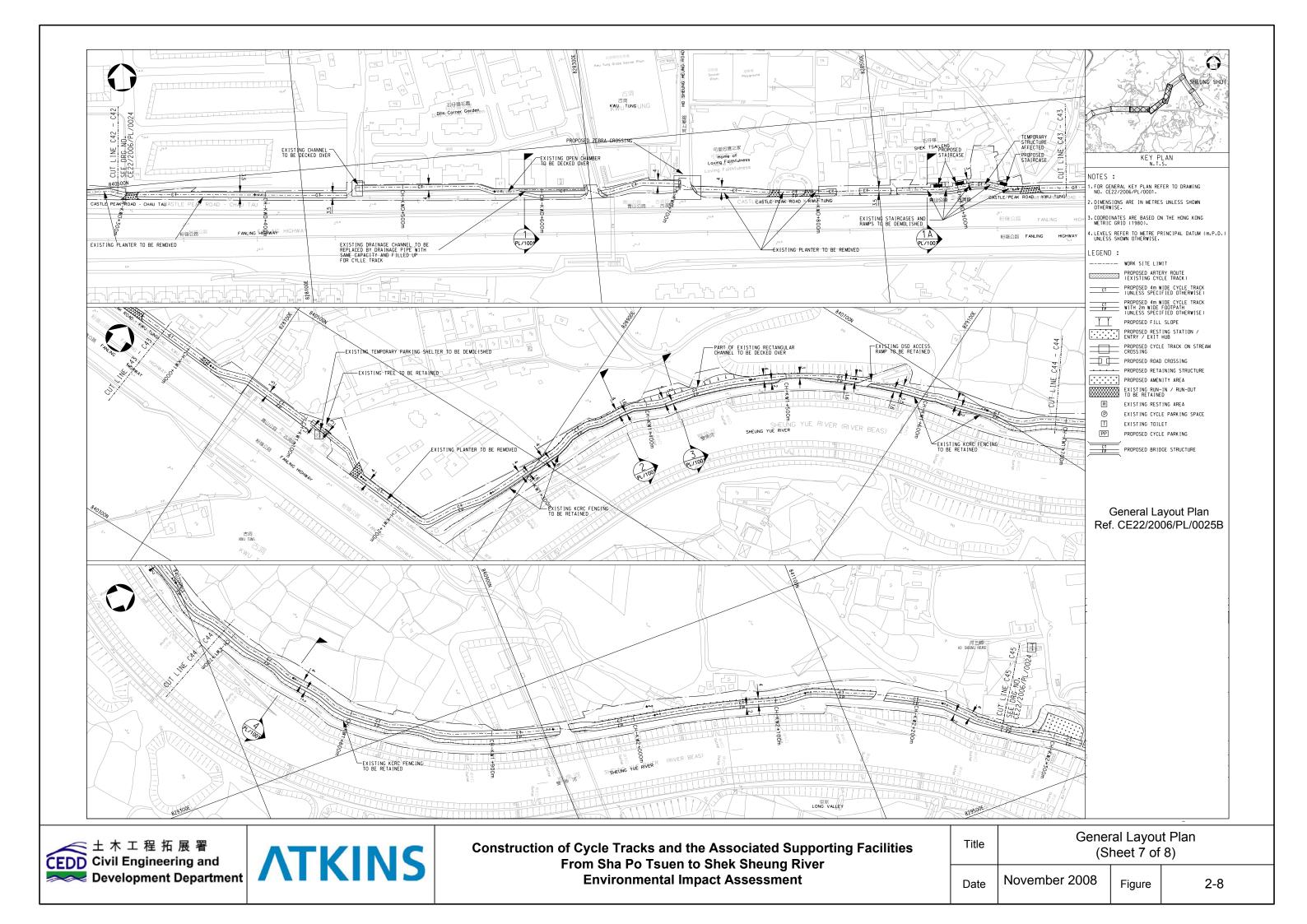


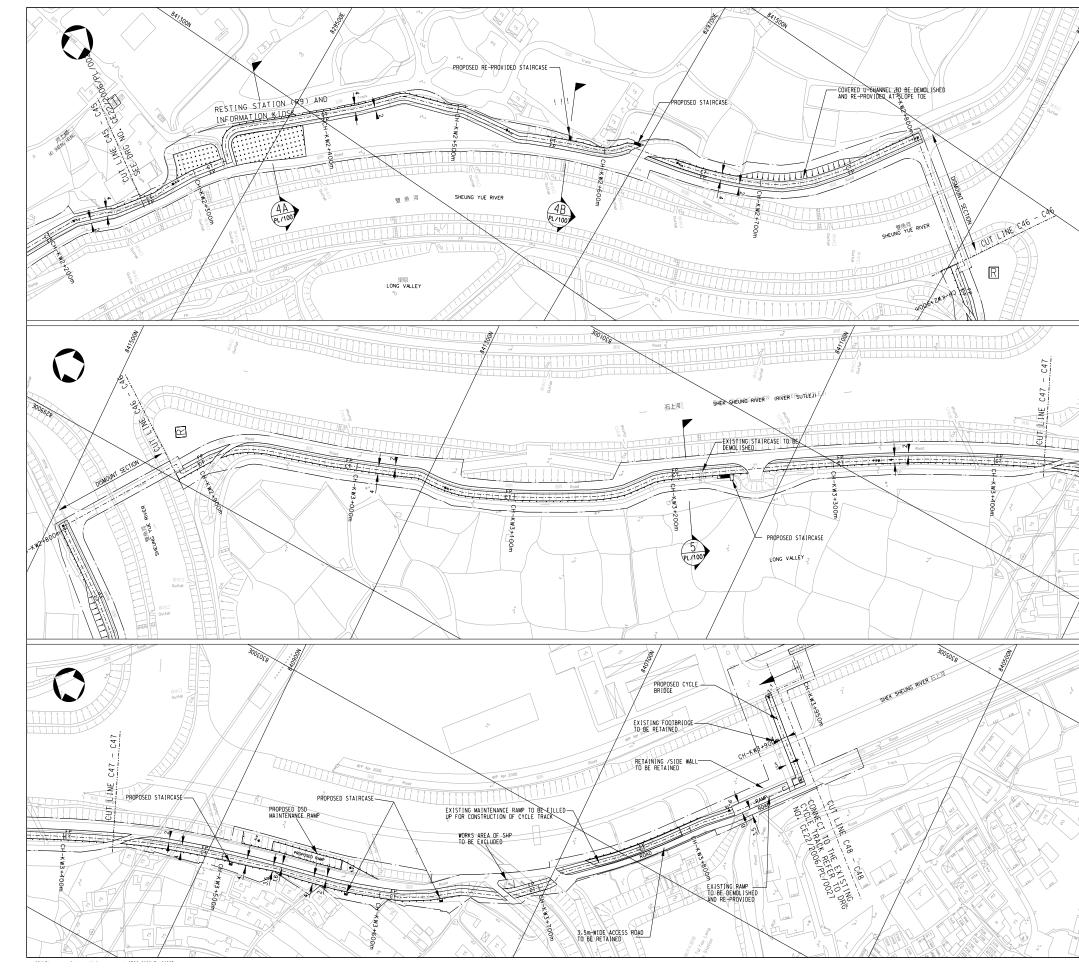














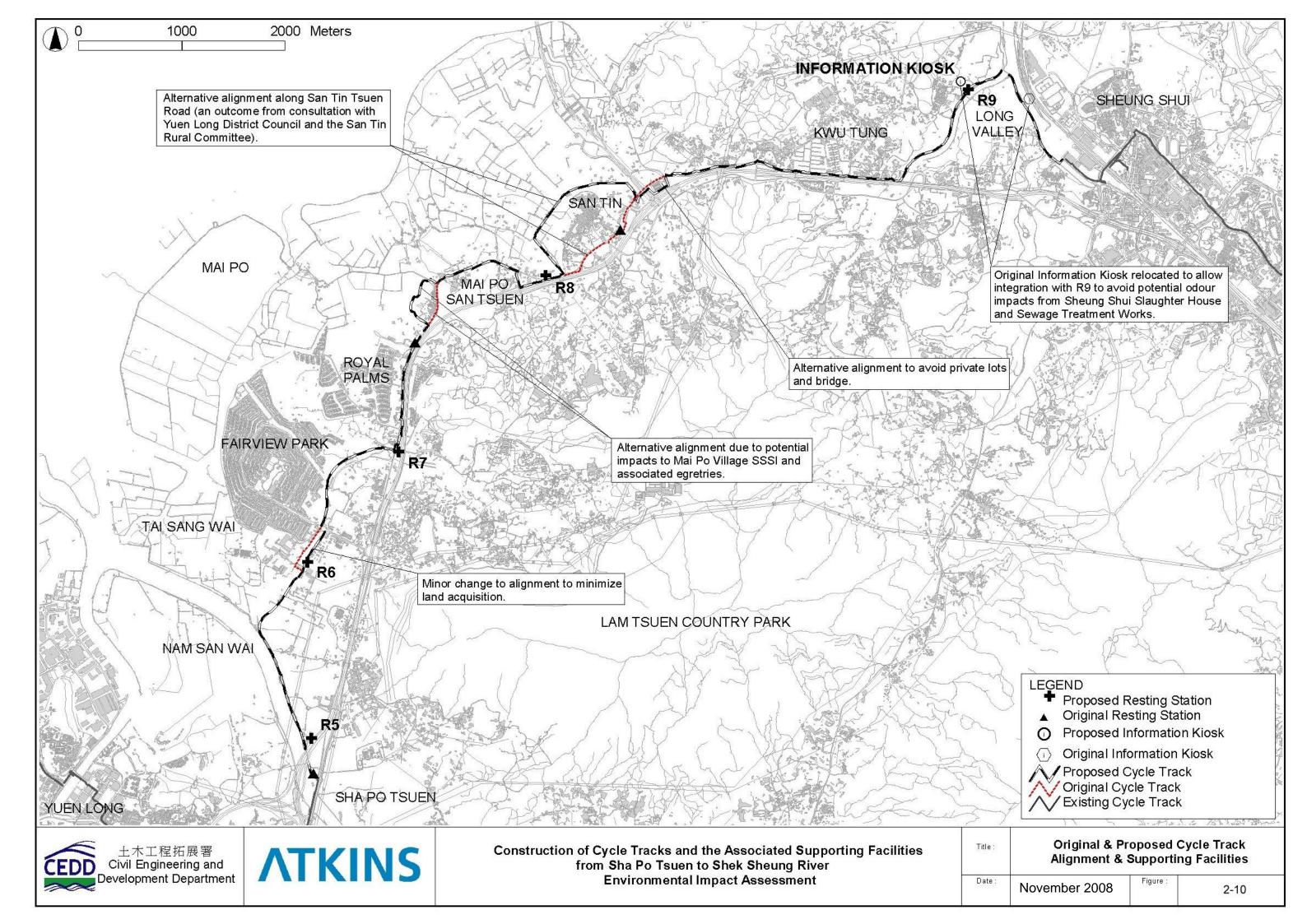


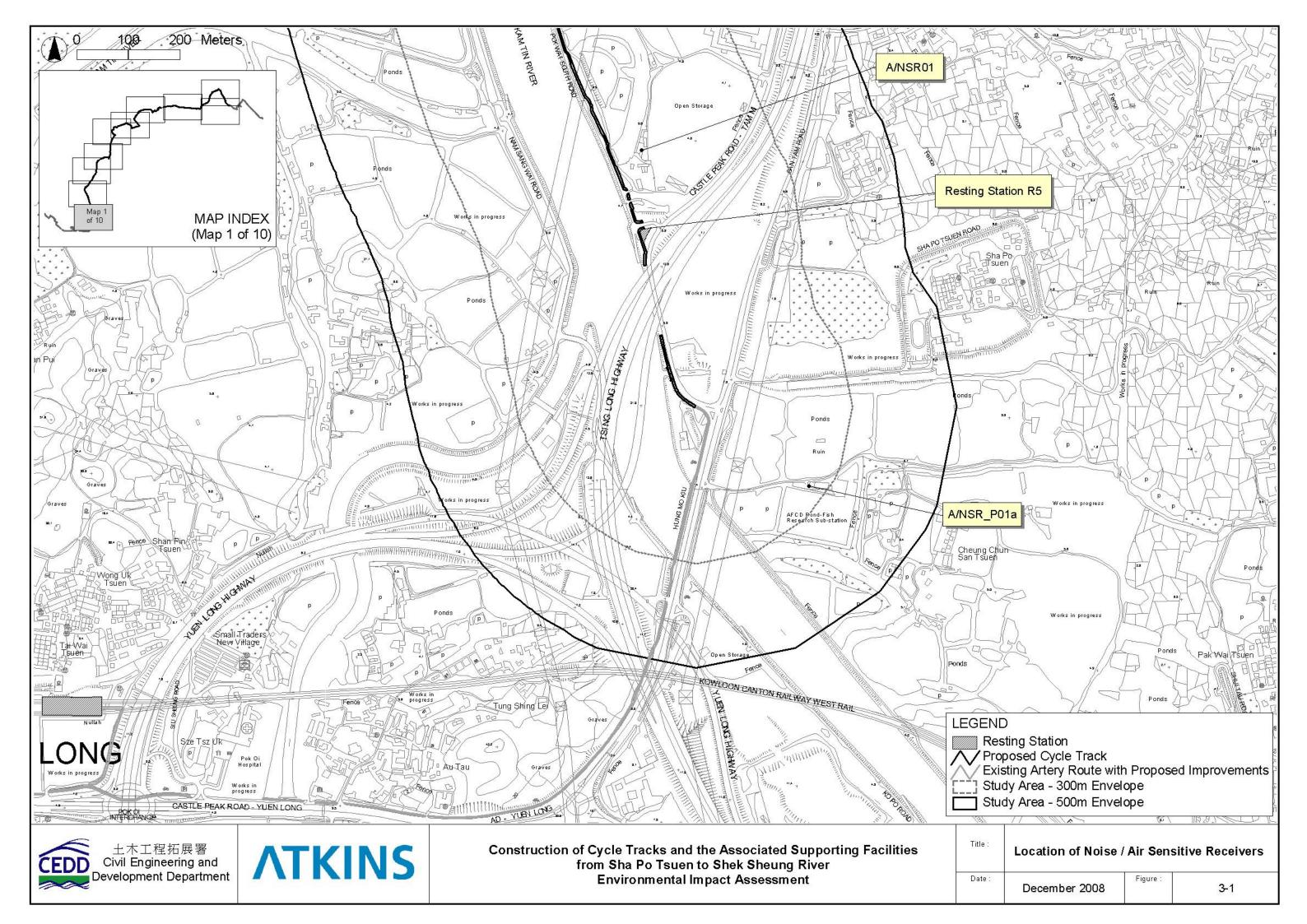
Construction of Cycle Tracks and the Associated Supporting Facilities From Sha Po Tsuen to Shek Sheung River Environmental Impact Assessment

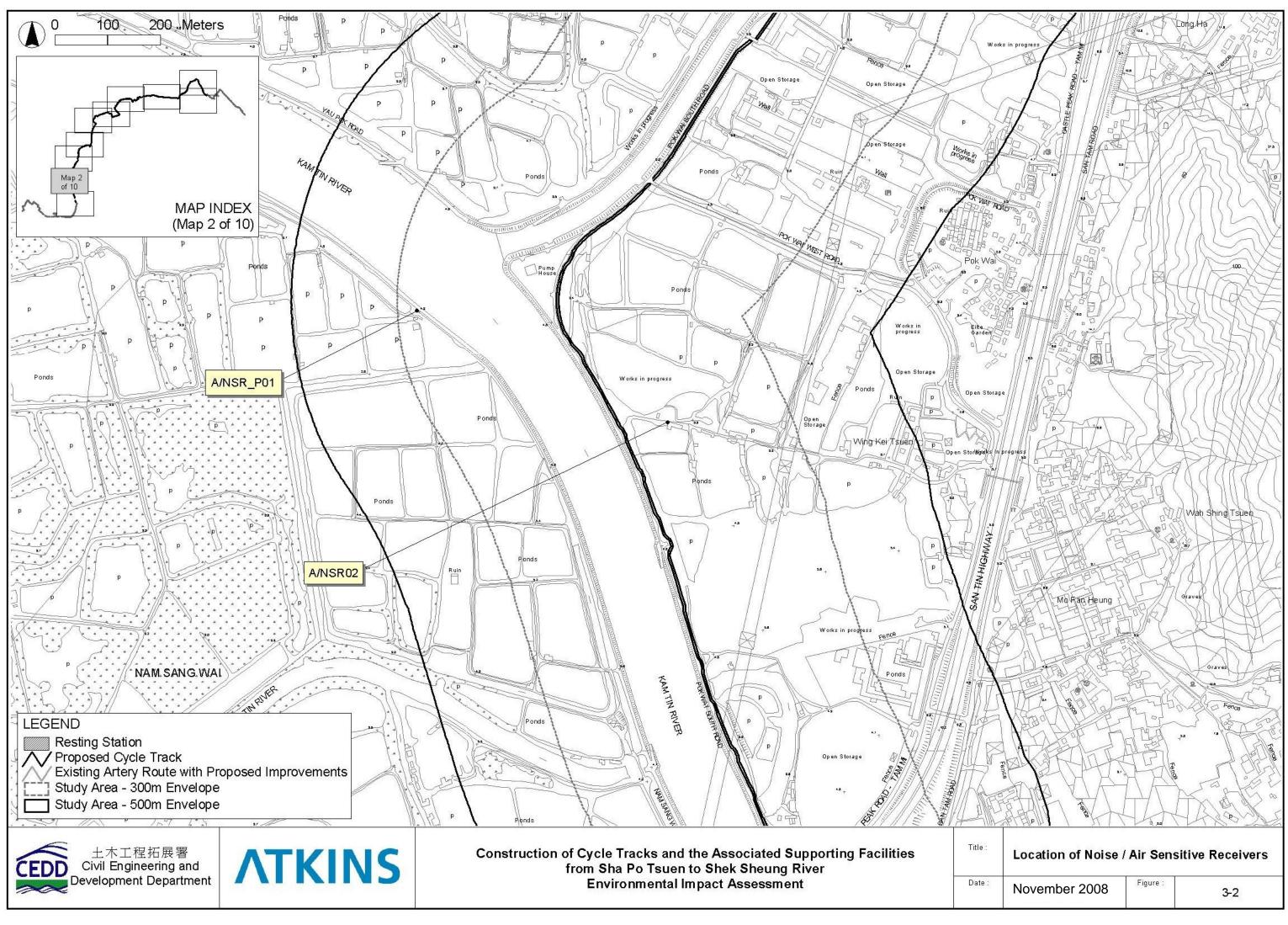
Date

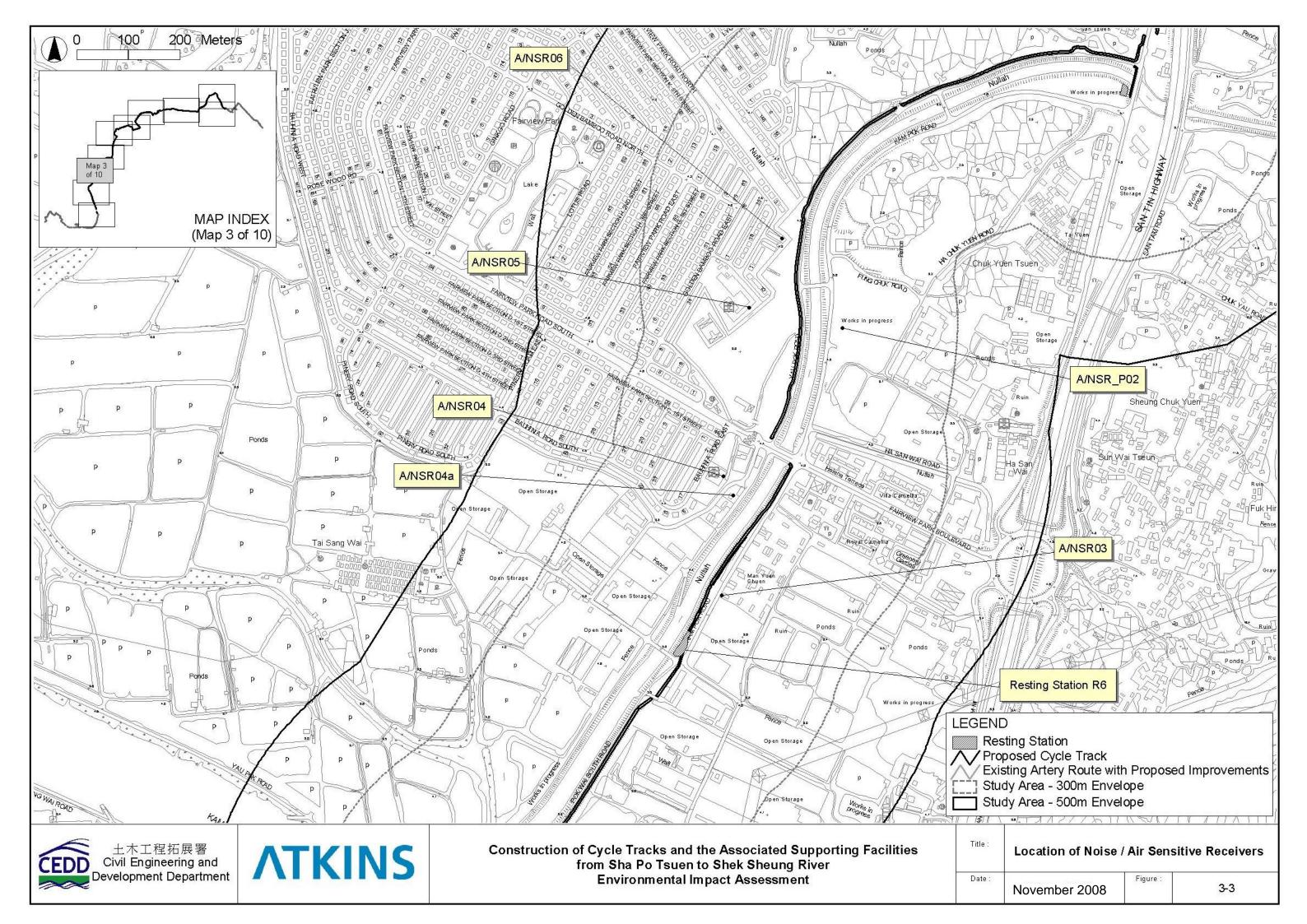
Title

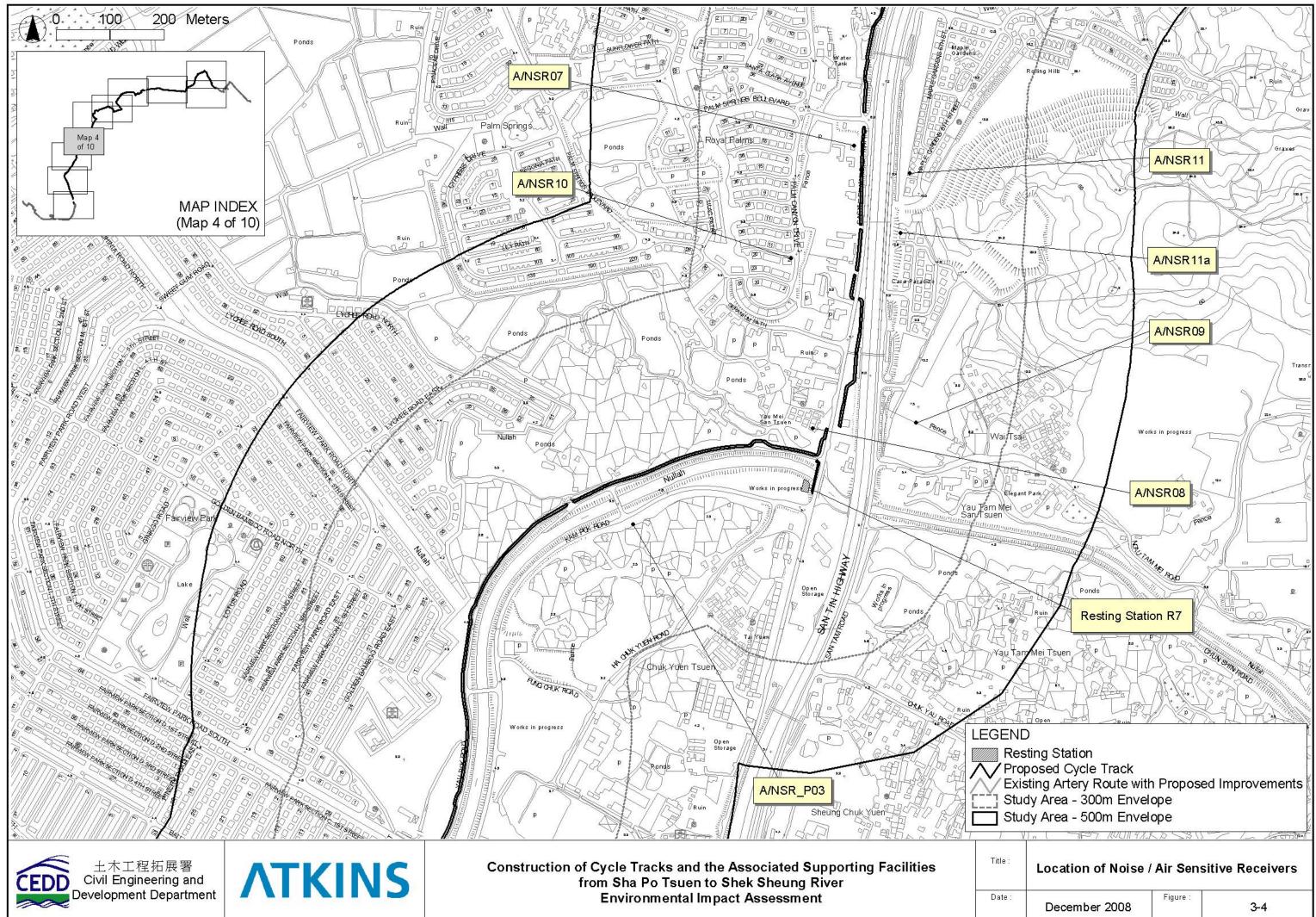
74	./	Р	- Al	
20065	/	5 E	0	
/		Bin the state	5	
			上水 SHEUNG SHUI	
	/			
		·····	\$ \$ \$ \$ \$ \$ \$ \$ \$	
		1 Pro 1		
		KEY PLAN N.T.S.		
		NOTES :		
		1.FOR GENERAL KEY PLAN REFER TI NO. CE22/2006/PL/0001.		
	/	2. DIMENSIONS ARE IN METRES UNLI OTHERWISE.	ESS SHOWN	
	E	3. COORDINATES ARE BASED ON THE METRIC GRID (1980).	HONG KONG	
\	< #	4. LEVELS REFER TO METRE PRINCI UNLESS SHOWN OTHERWISE.	PAL DATUM (m.P.D.)	
	H	LEGEND :		
	HA	WORK SITE LIMIT		
	HEI	PROPOSED ARTERY RO (EXISTING CYCLE TR		
/-	981 :	CT PROPOSED 4m WIDE C (UNLESS SPECIFIED		
	-11 IC _11	CT PROPOSED 4m WIDE C FP WITH 2m WIDE FOOTP (UNLESS SPECIFIED	YCLE TRACK ATH OTHERWISE)	
	E	YY PROPOSED FILL SLOP	E	
	E	PROPOSED RESTING S ENTRY / EXIT HUB	STATION /	
		PROPOSED CYCLE TRA	ICK ON STREAM	
<		PROPOSED ROAD CROS		
7	$\neg \uparrow$	PROPOSED AMENITY A		
		EXISTING RUN-IN / TO BE RETAINED	RUN-OUT	
I		EXISTING RESTING A EXISTING CYCLE PAR		
#		EXISTING TOILET	ATHO STACE	
5		PP PROPOSED CYCLE PAR	IK ING	
7	- To	PROPOSED BRIDGE ST	RUCTURE	
	840900W			
/	15			
2	2	General Layo		
		Ref. CE22/2006/	PL/0026B	
Z				
	K_			
-				
L	T it		1	
		-		
<		-	1	
	X			
	T	-		
5		-		
1				
> \	<° /			
	, s]	
	12.]	
		1		
1	and the second sec			
1				
.				
	General Layout Plan			
	(Sheet 8 of 8)			
	INOV	ember 2008	Figure	2-9
	1		1	1





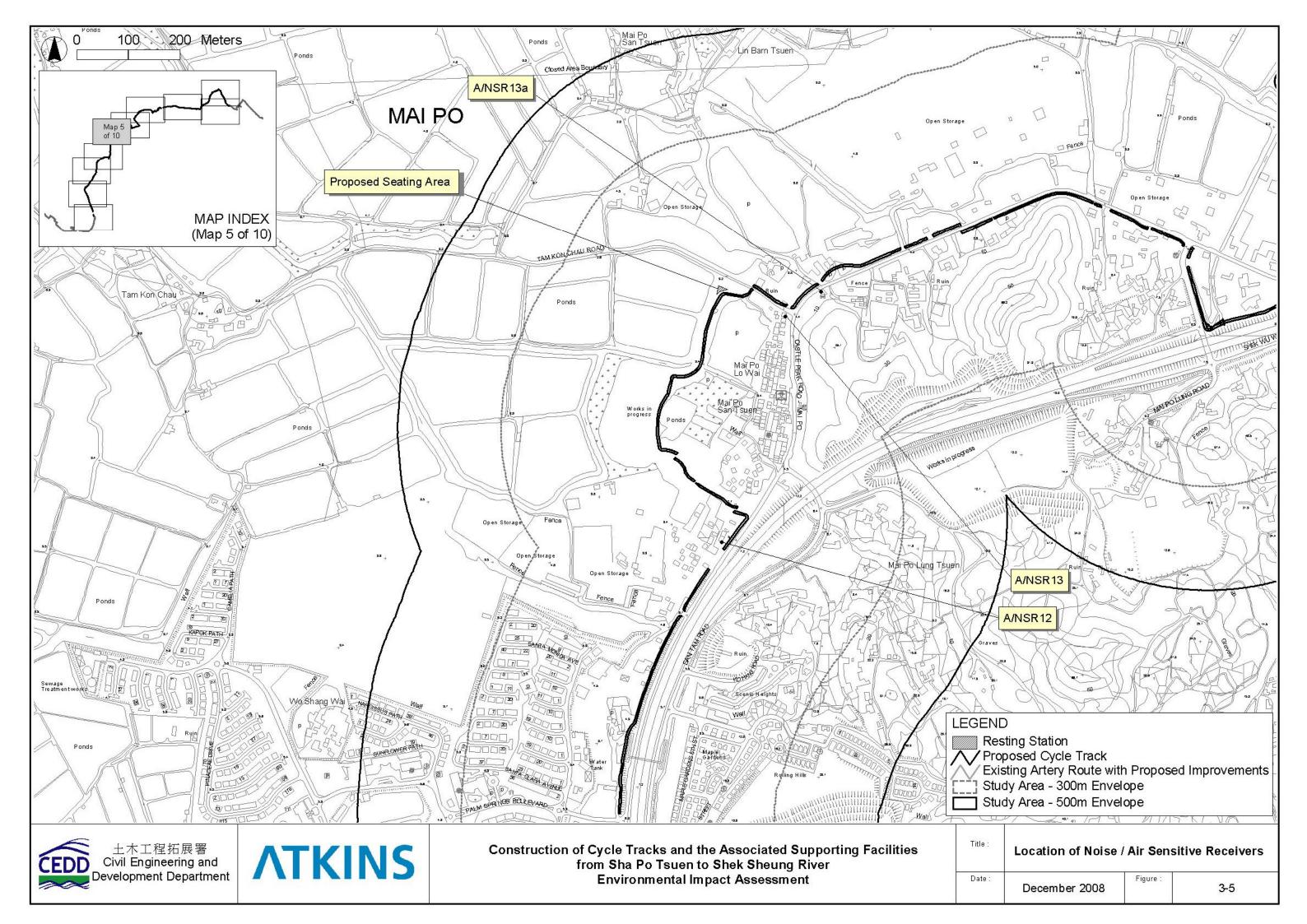


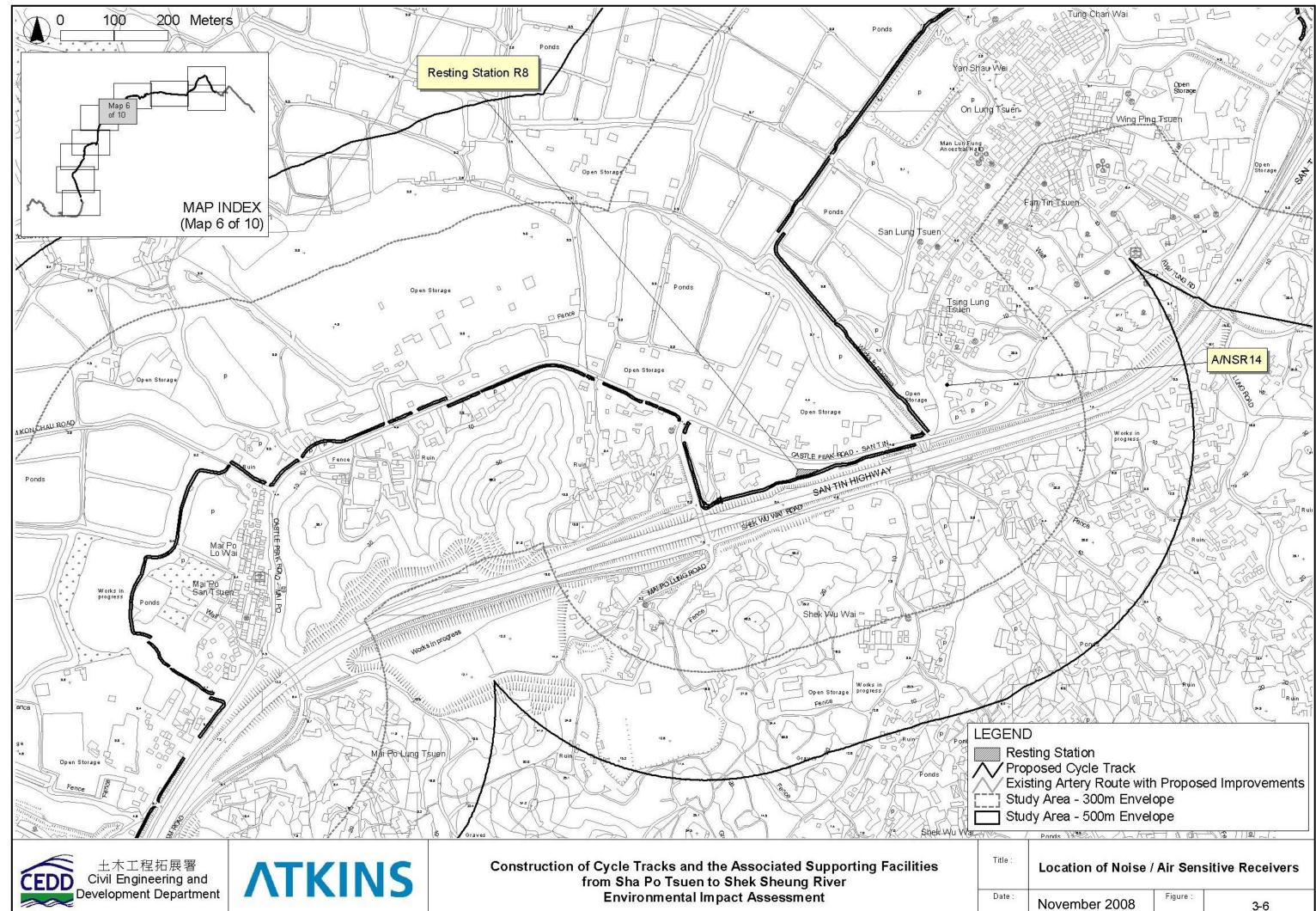




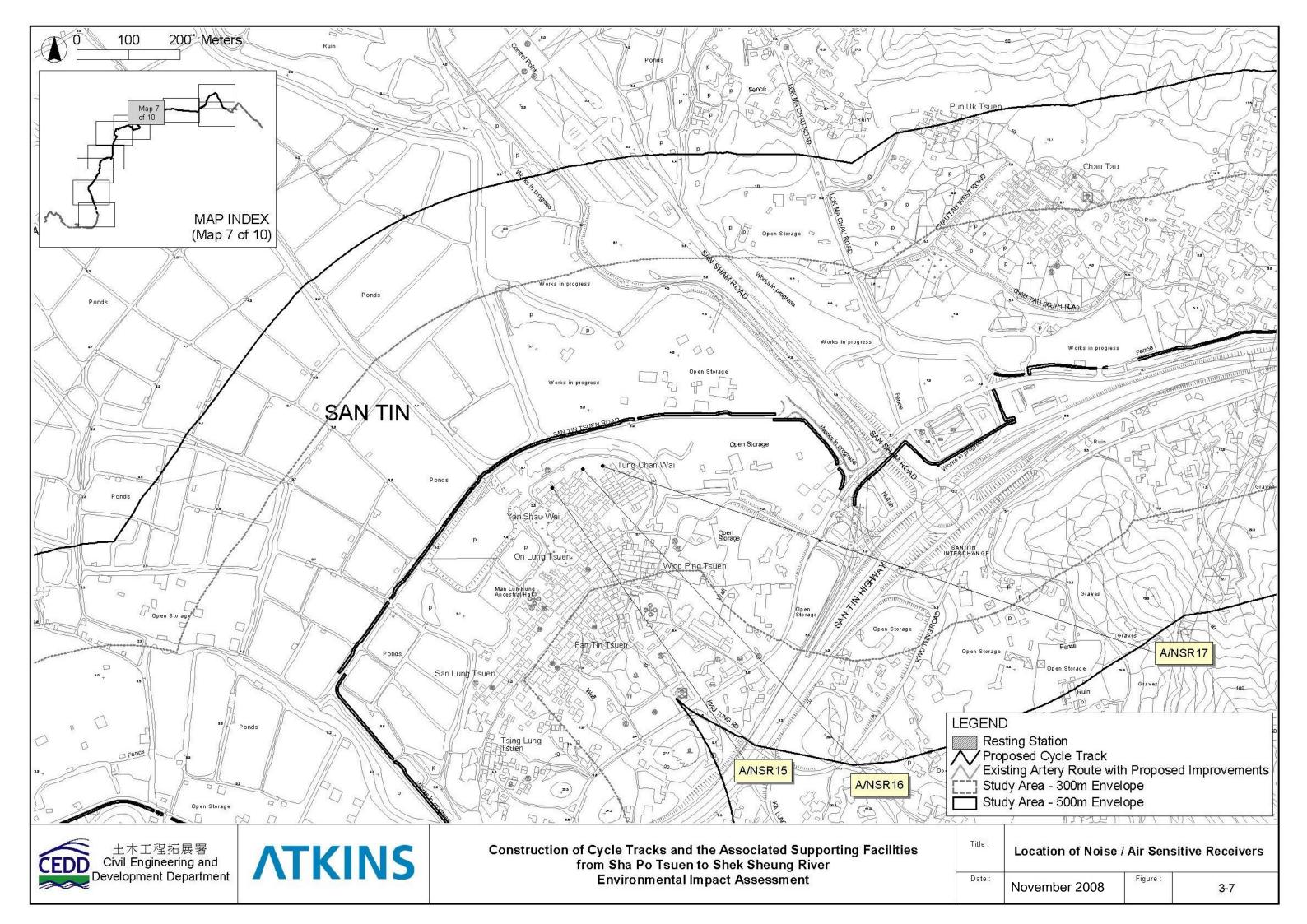


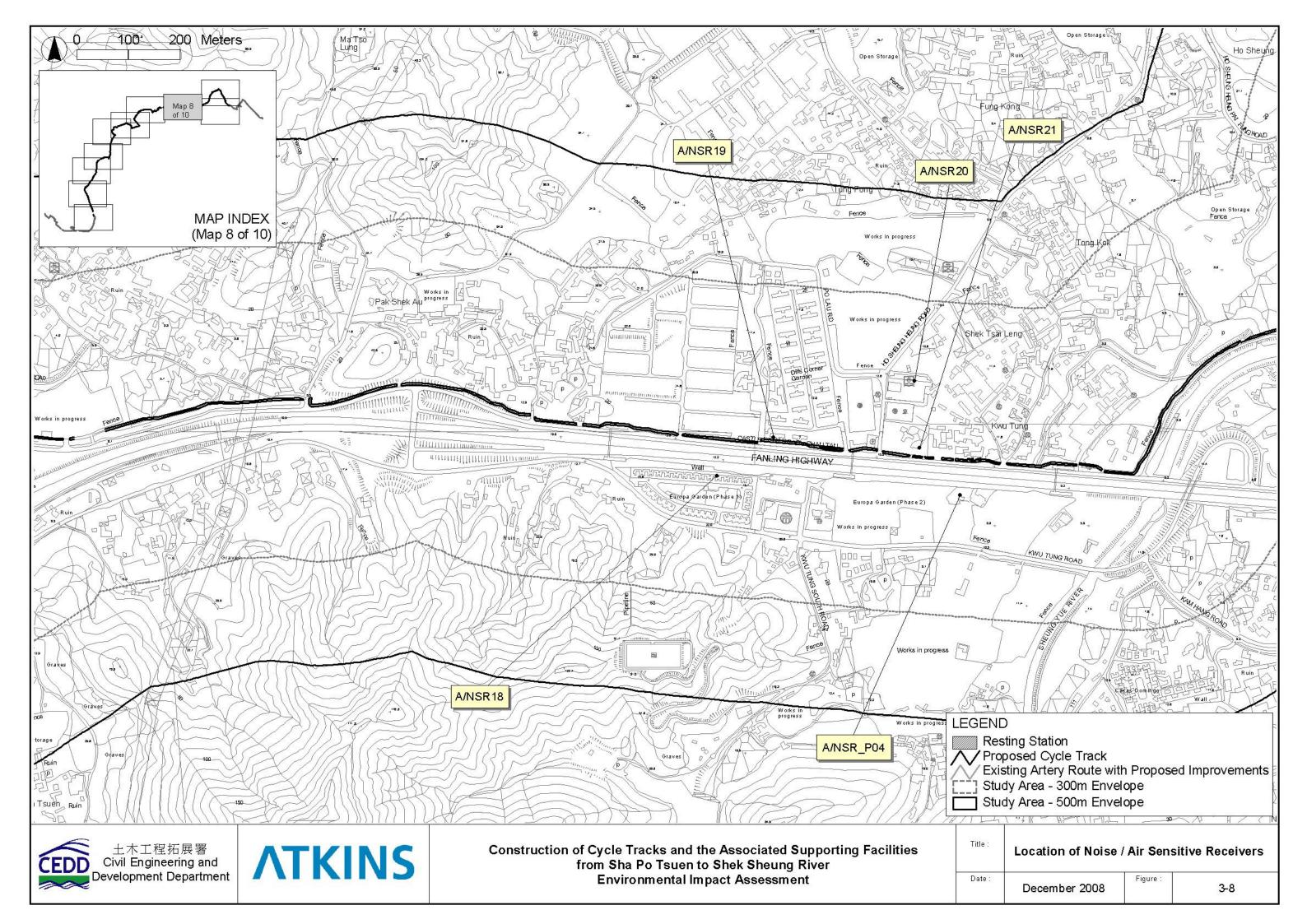


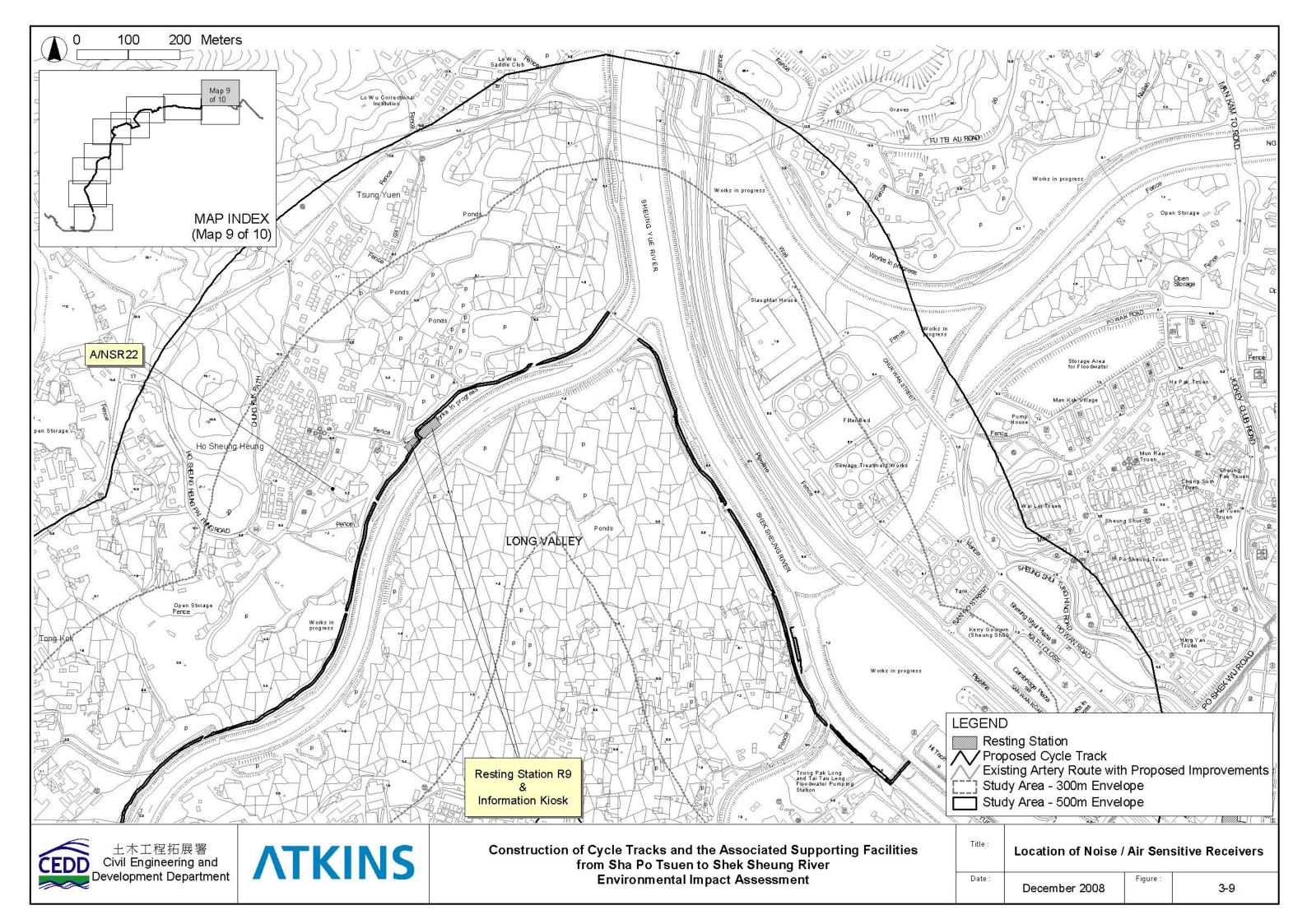


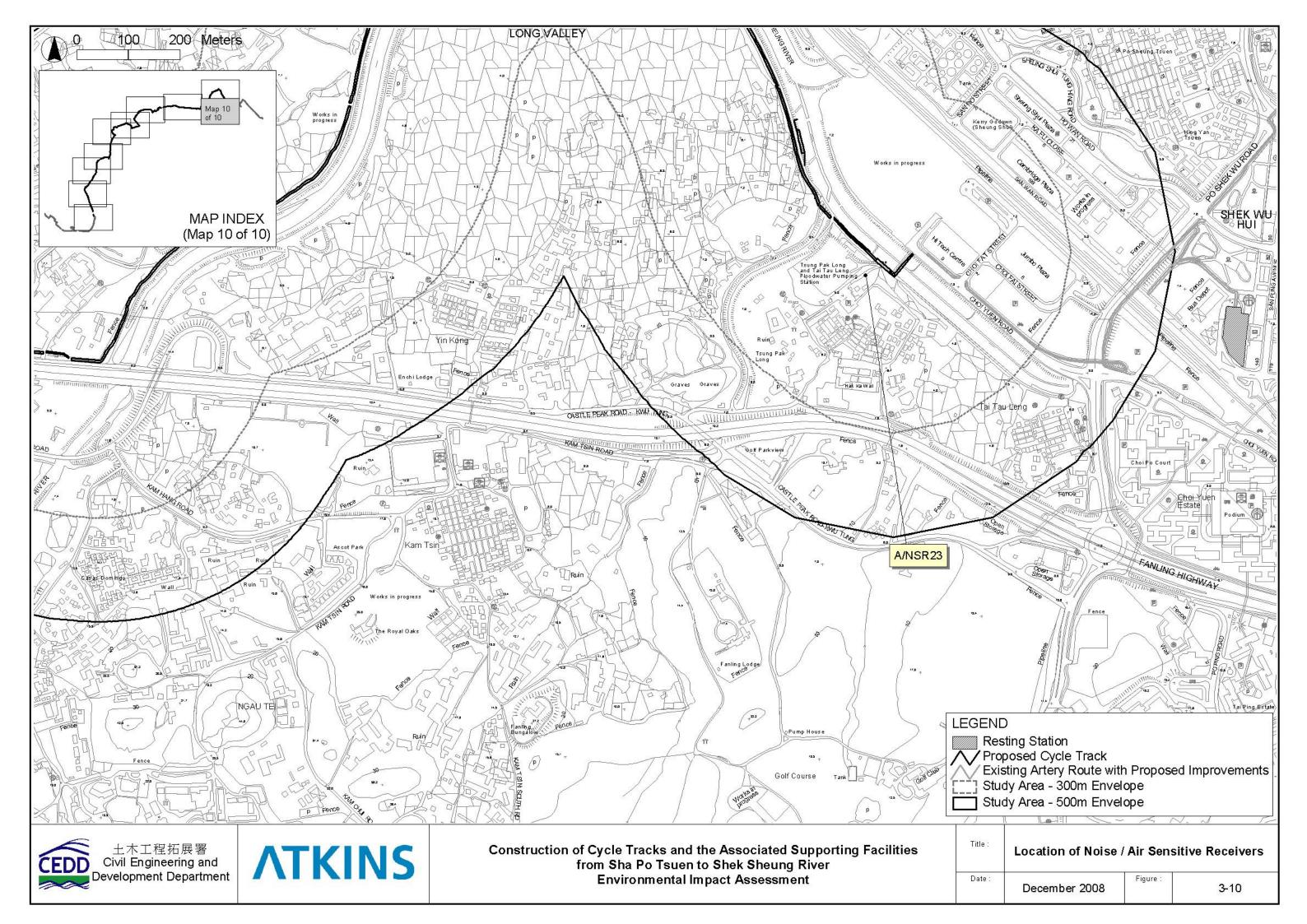


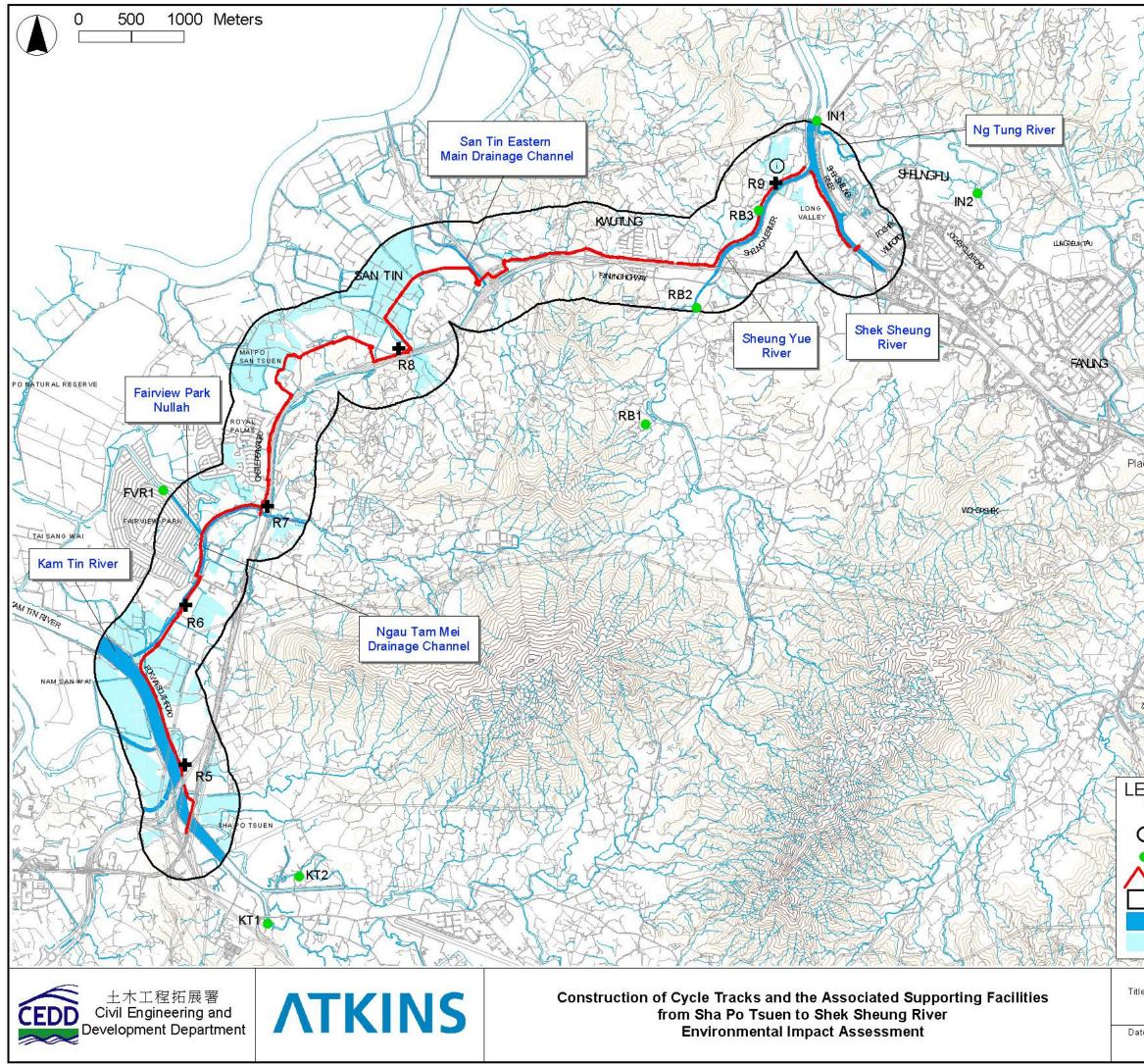
:	November 2008	Figure :	3-6



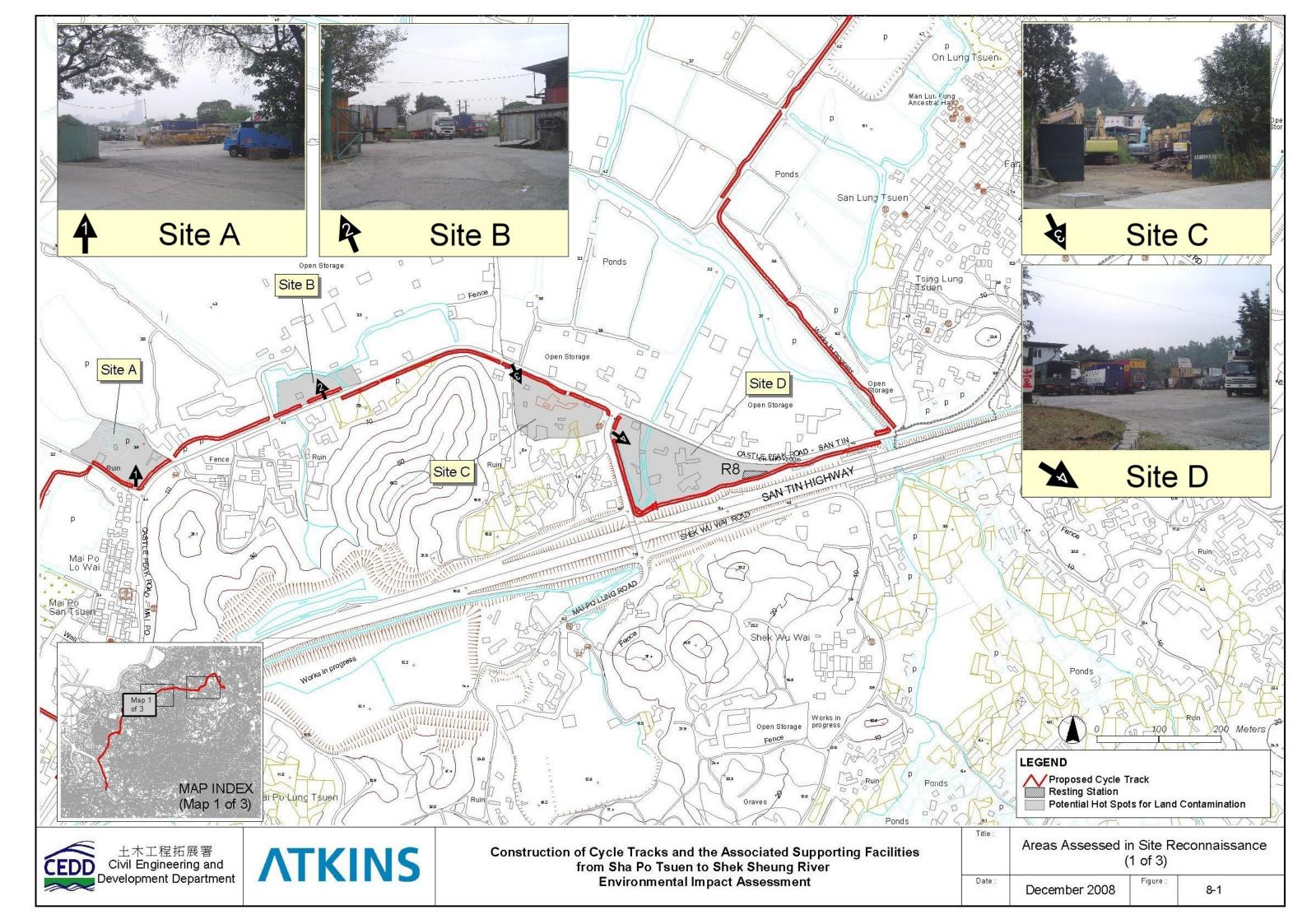


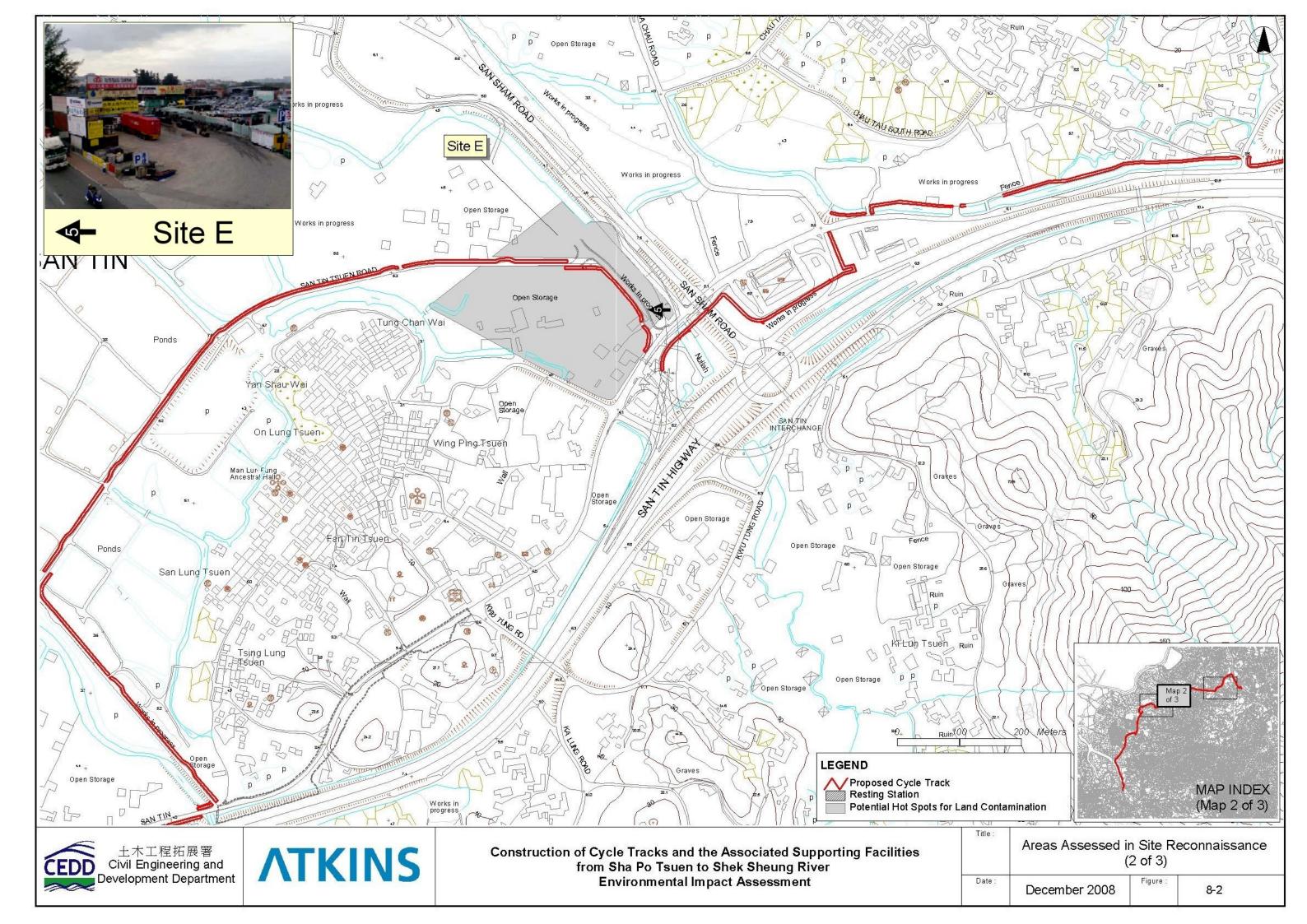


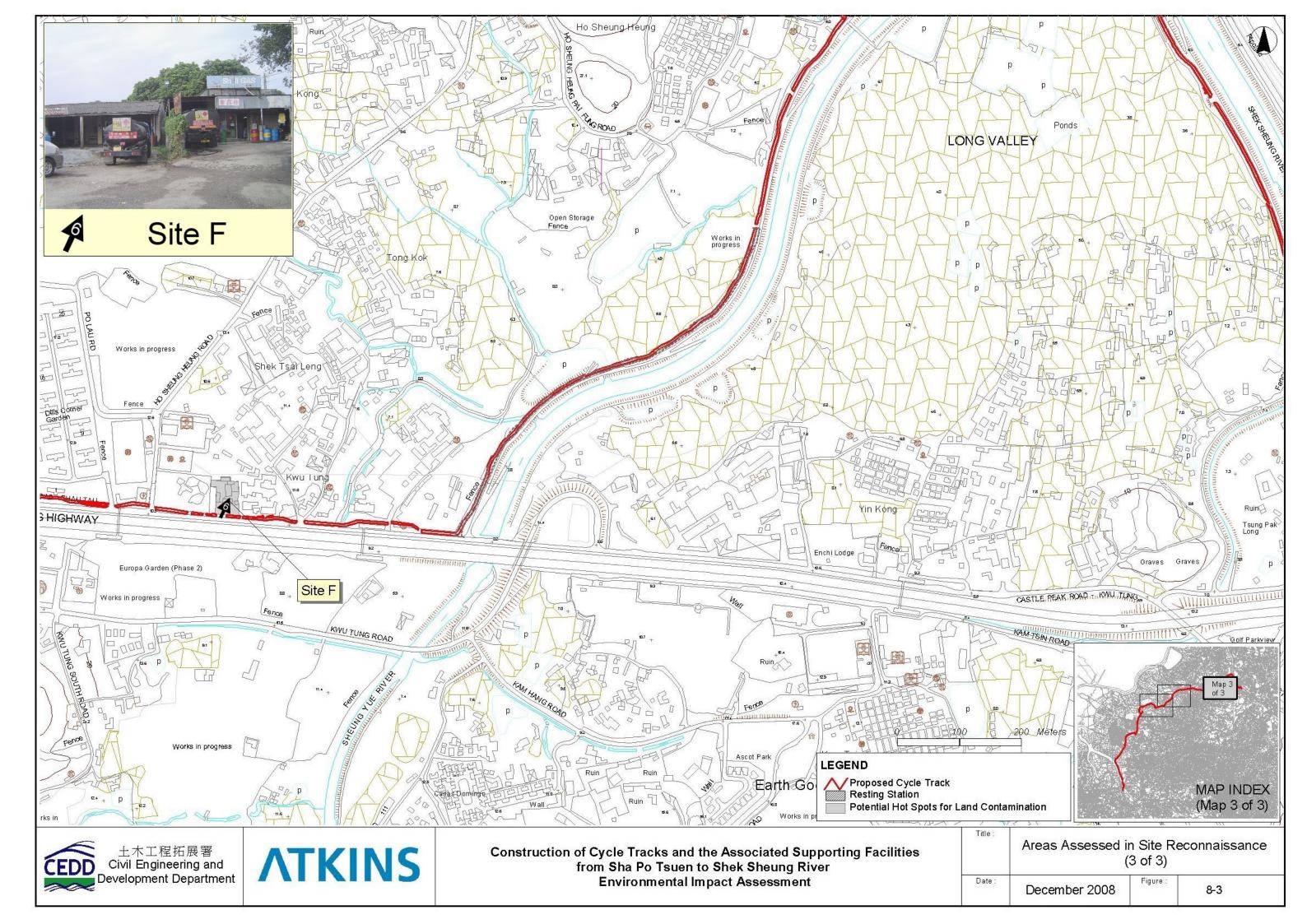


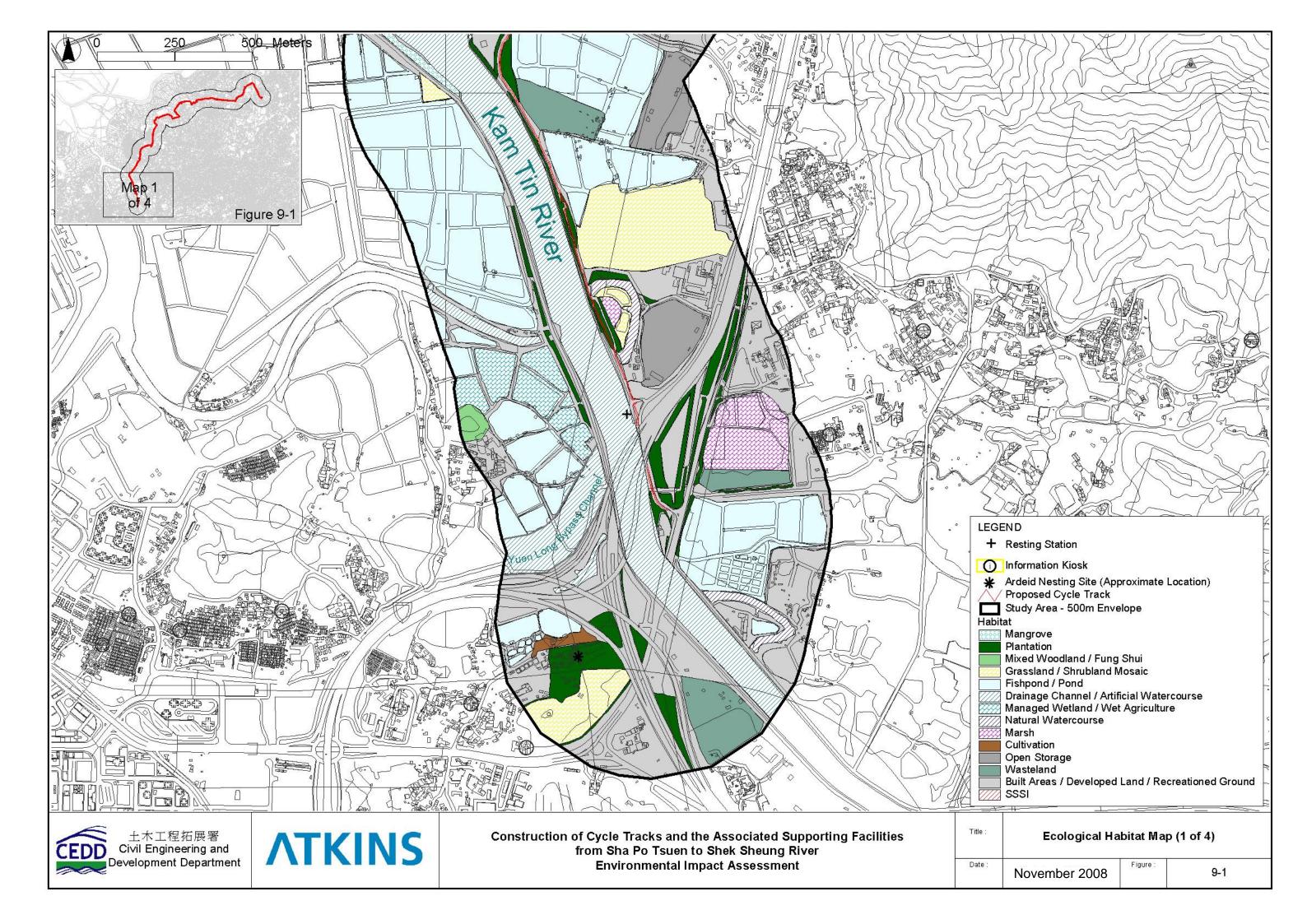


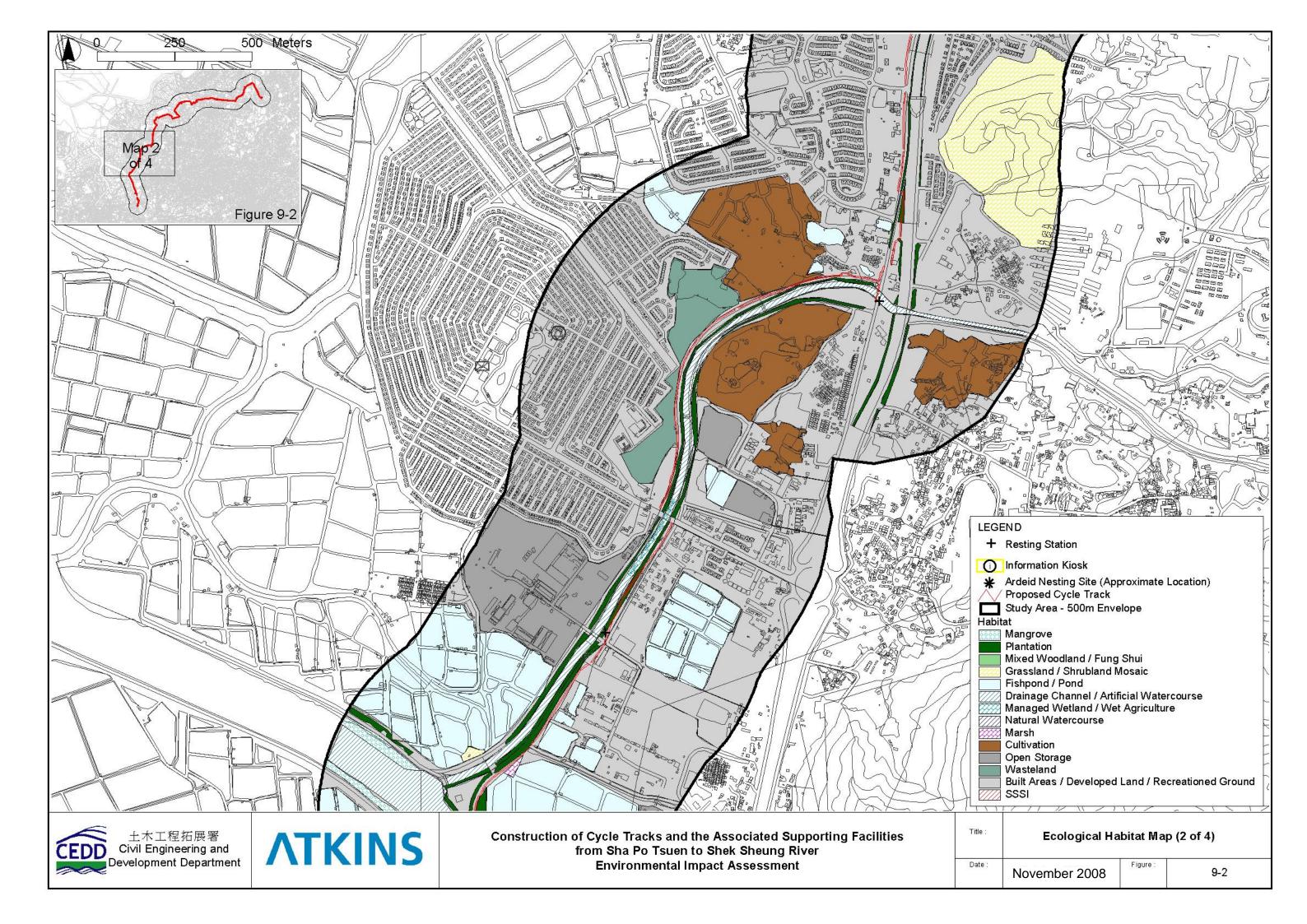
for	MONAND	ETTE	AAL DEL
xt	MARIN 2	TT &	TO BEA
F	- FARA	J'	ST. M. VISS
17	THE WE	AN EL	IN3
X	tel light		Strang X
SI	AND AF	AX	AL DAN
KR I	ST KAST		AL SAL
J.		PASS-	- Winds
七	h for the	Fre Pros	LAP VSC
T		KK S	ALL A
E	A A A A	DARY	SUB-2
R,	- Longs the	- ANA	
CX.	2 Martin 1	ALL.	ALLE
E.		MA	SAR OF
X	THEO SPACE	A G	
-Te	ALL AND	A. S.	
A		AST SA	ELDD) S
X	HE CECTANIS	2 CAR	TAS ST
E		AN AS	
and and	LAN ASSA	L BA	A CARLER LE
ice of	Poct		
72	R10		
D)			
5			F/F-F-VA
rt y			
AN A	Production		
	Des ALSTA		
THE A	BUCH TONAT		
\mathcal{N}	STOR AND		
	AND	MAL (The states
	STOD THE	A Ket	AST STRA
F	NGLOWIEN	TALF	
HE AND AND THE		ARTERY	ROUTE
C an	B CH A SHE	AT K	e li di
- GE	IND		LAL NHROOM
+	Resting Station		
Ð	Information Kiosk	r.	r.
	River Water Mon		Station (EPD)
1	Proposed Cycle	1000	
V	Study Area - 500		elope
	River / Nullah / D		and the second sec
	Ponds		
	WIND MIND	3 10777A	Ktor A BERT ST I F
	Water Sens	itive Ro	ceivers
e:	and Related		et 11 mars of the provent of the
te :		Figure :	5
1973	December 2008		6-1

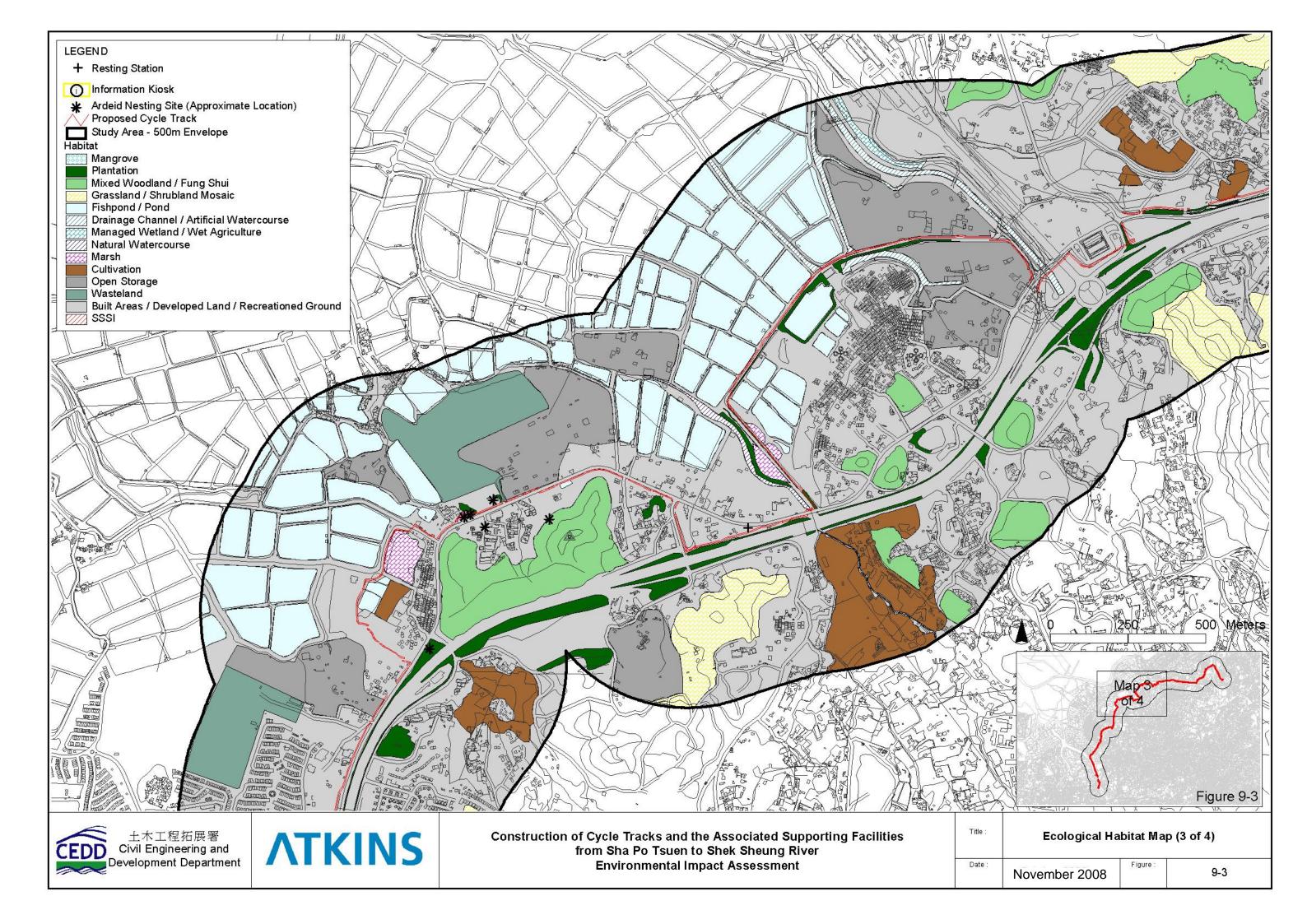


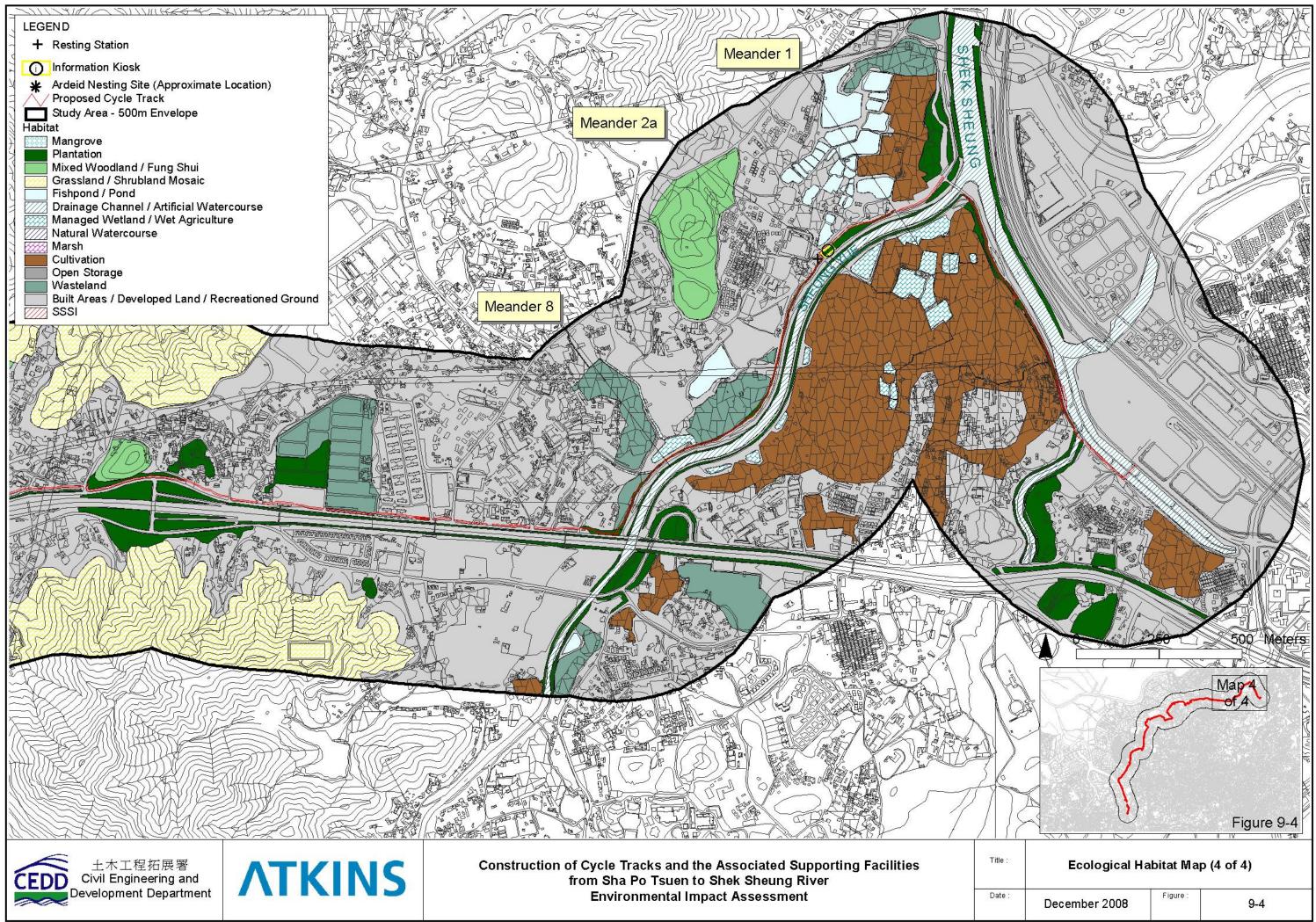


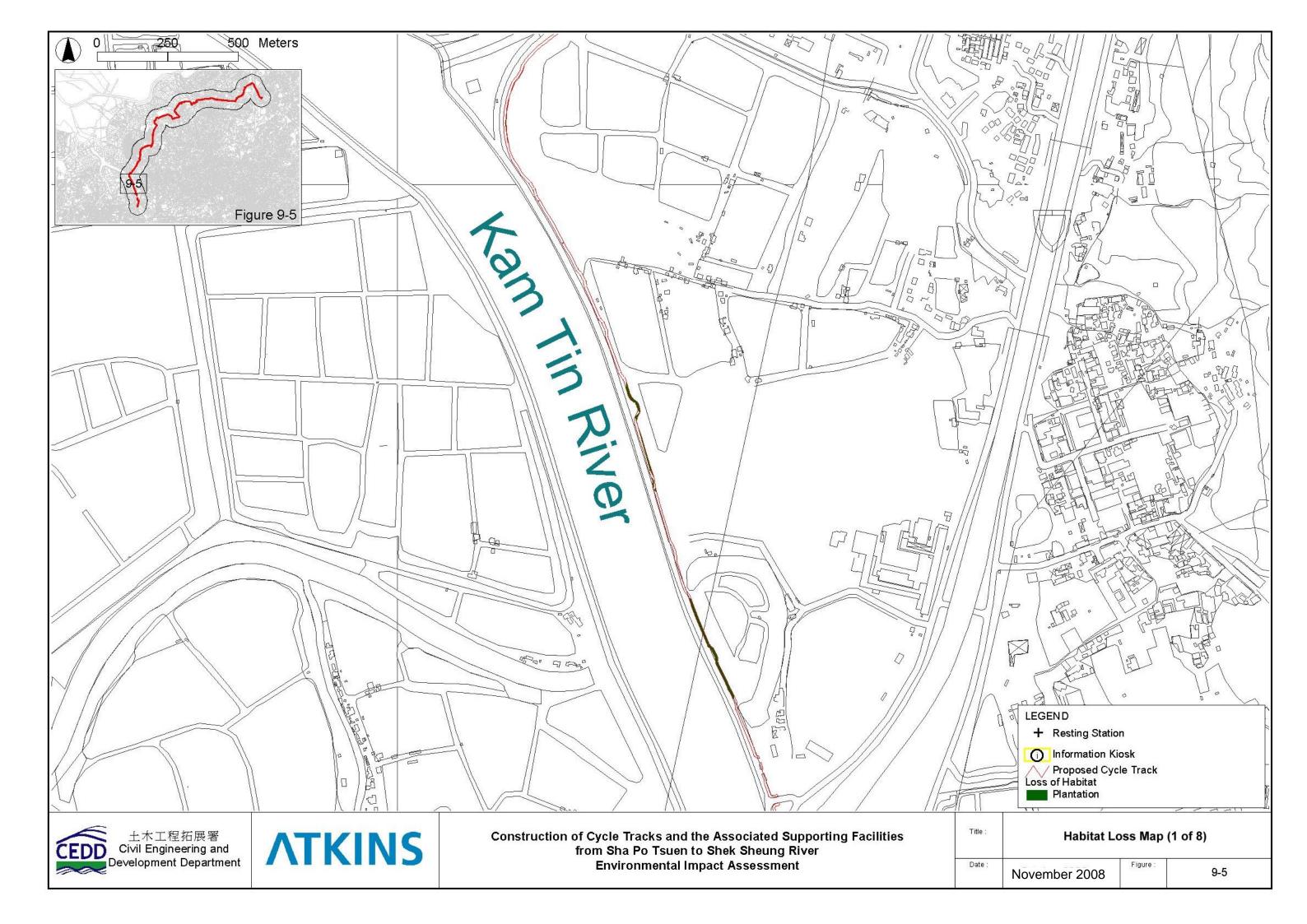


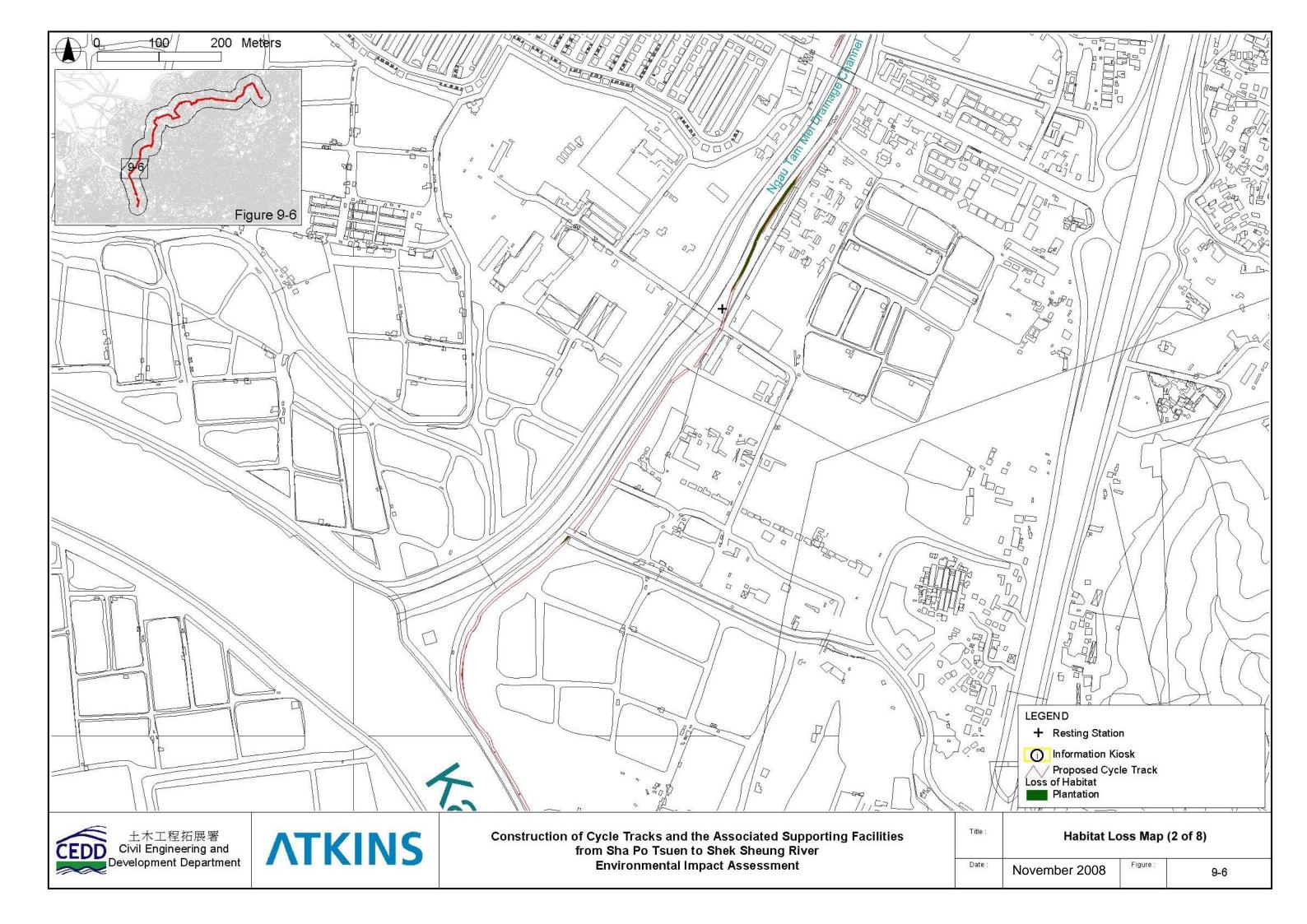


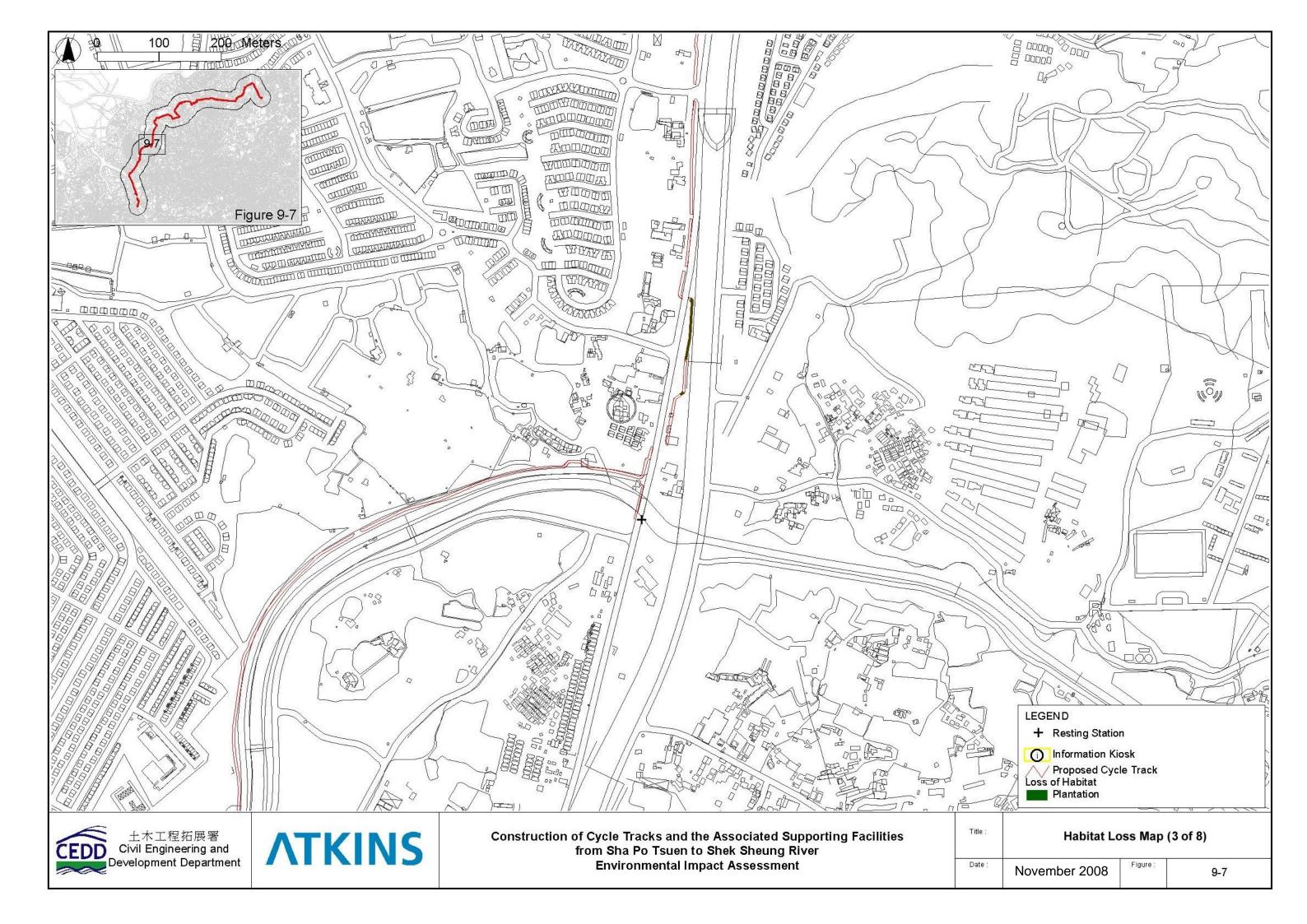


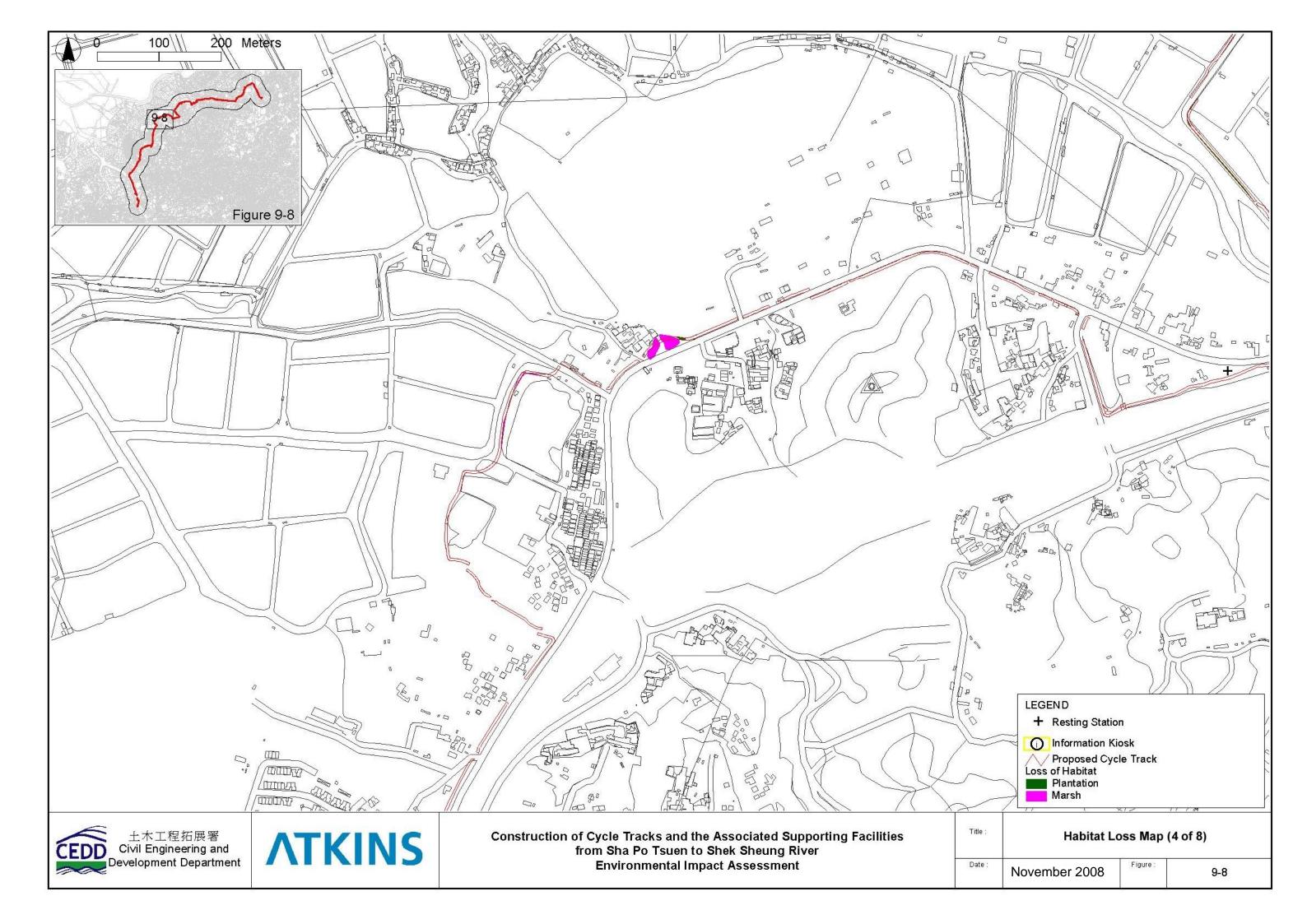


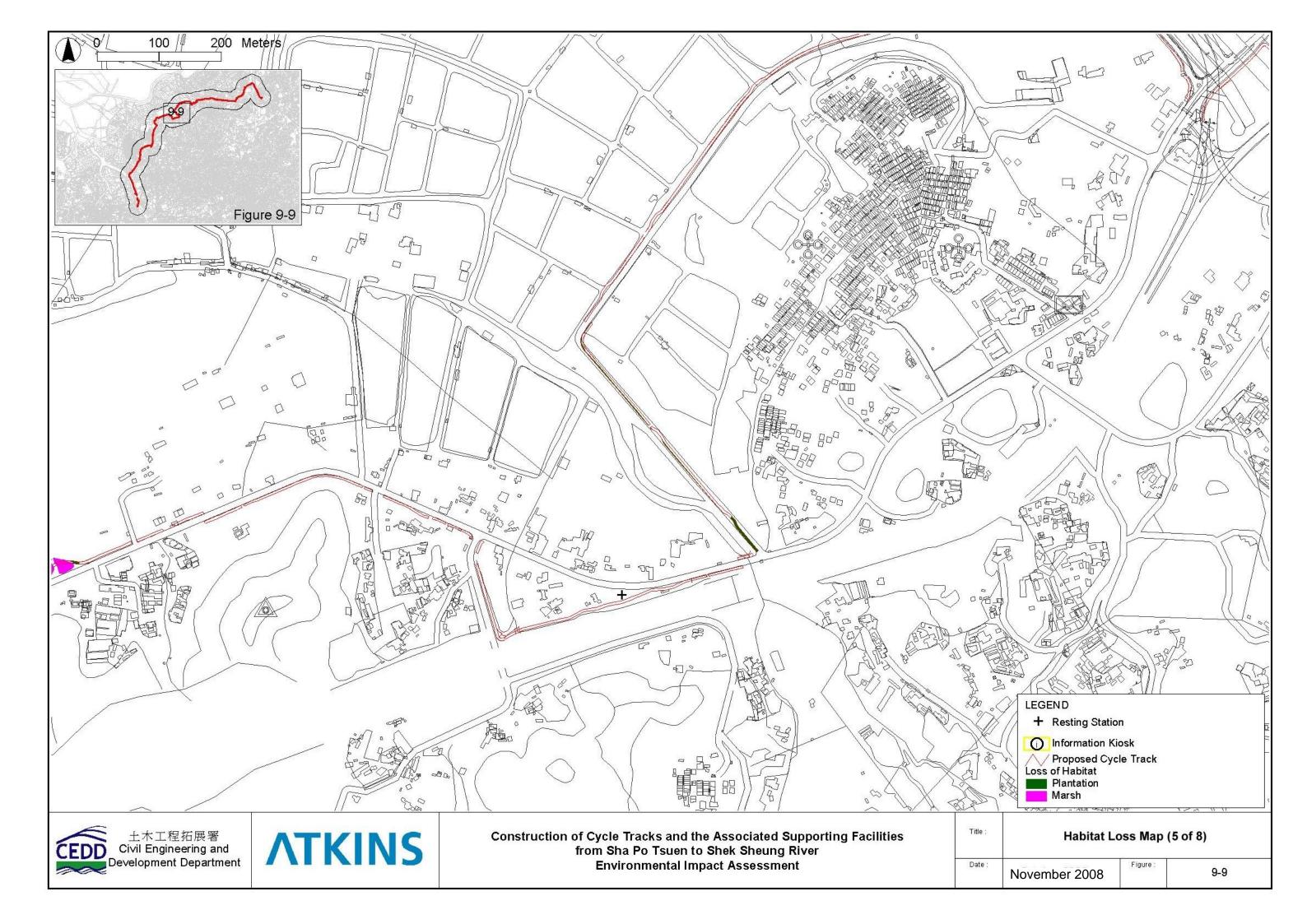


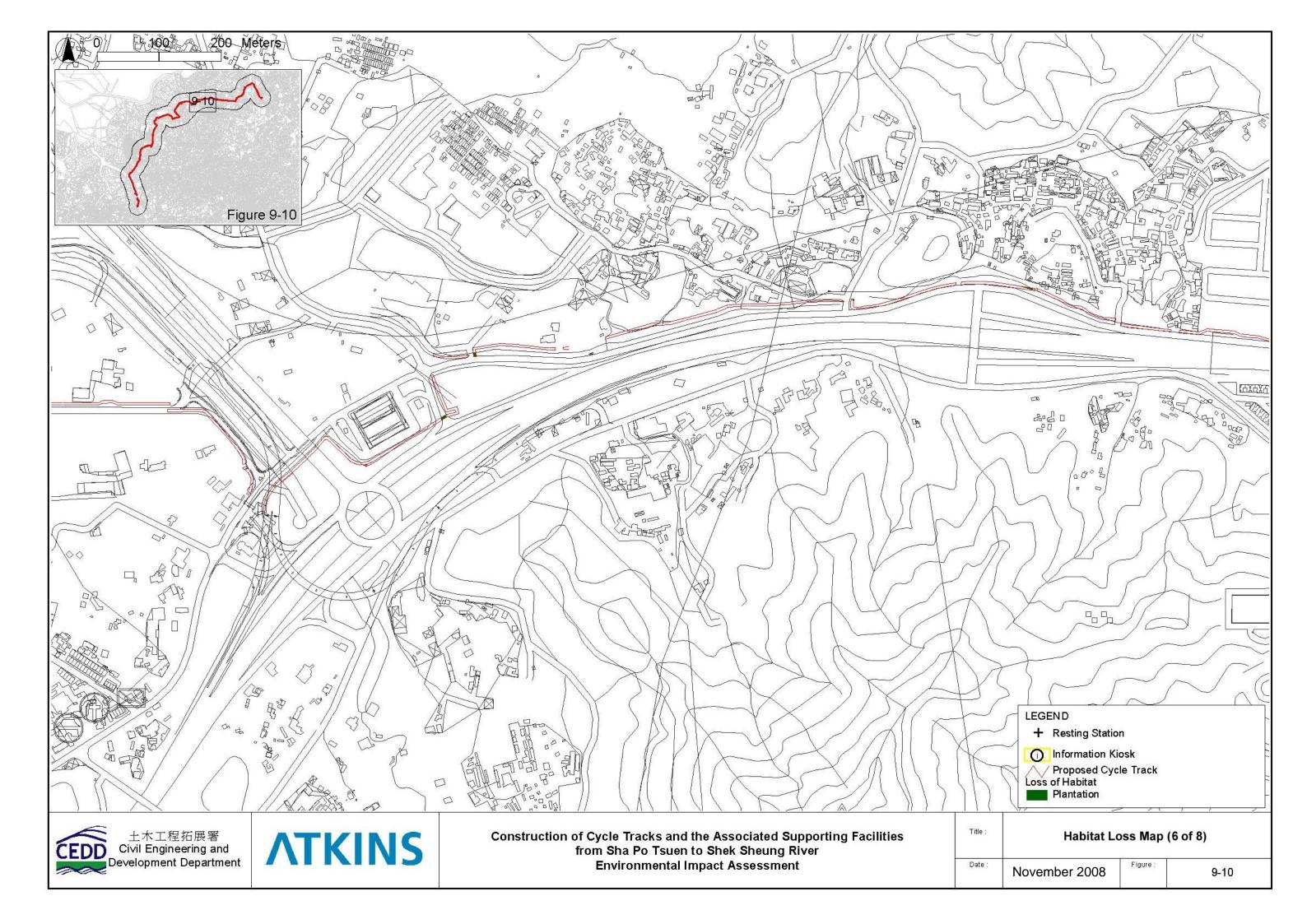


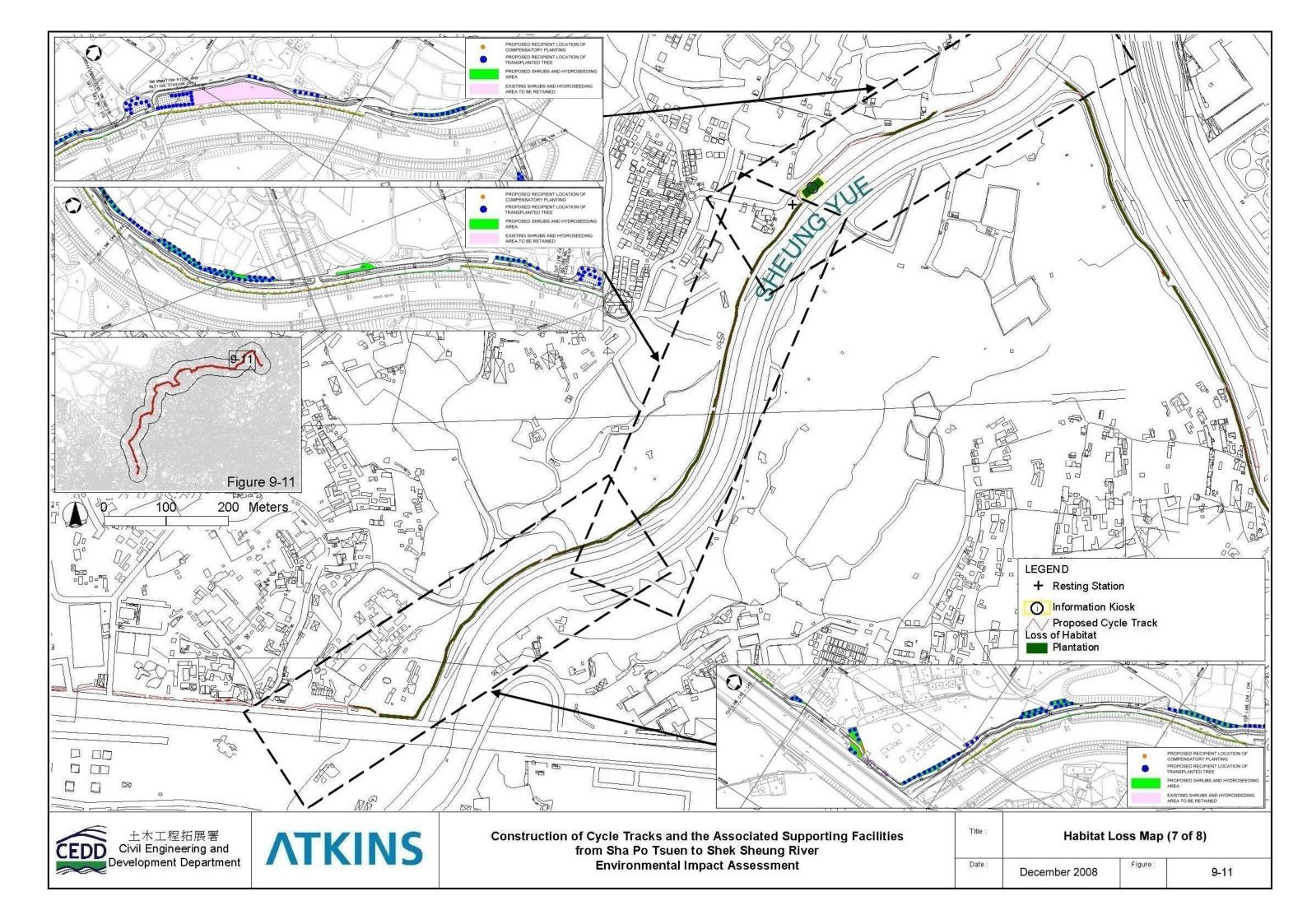


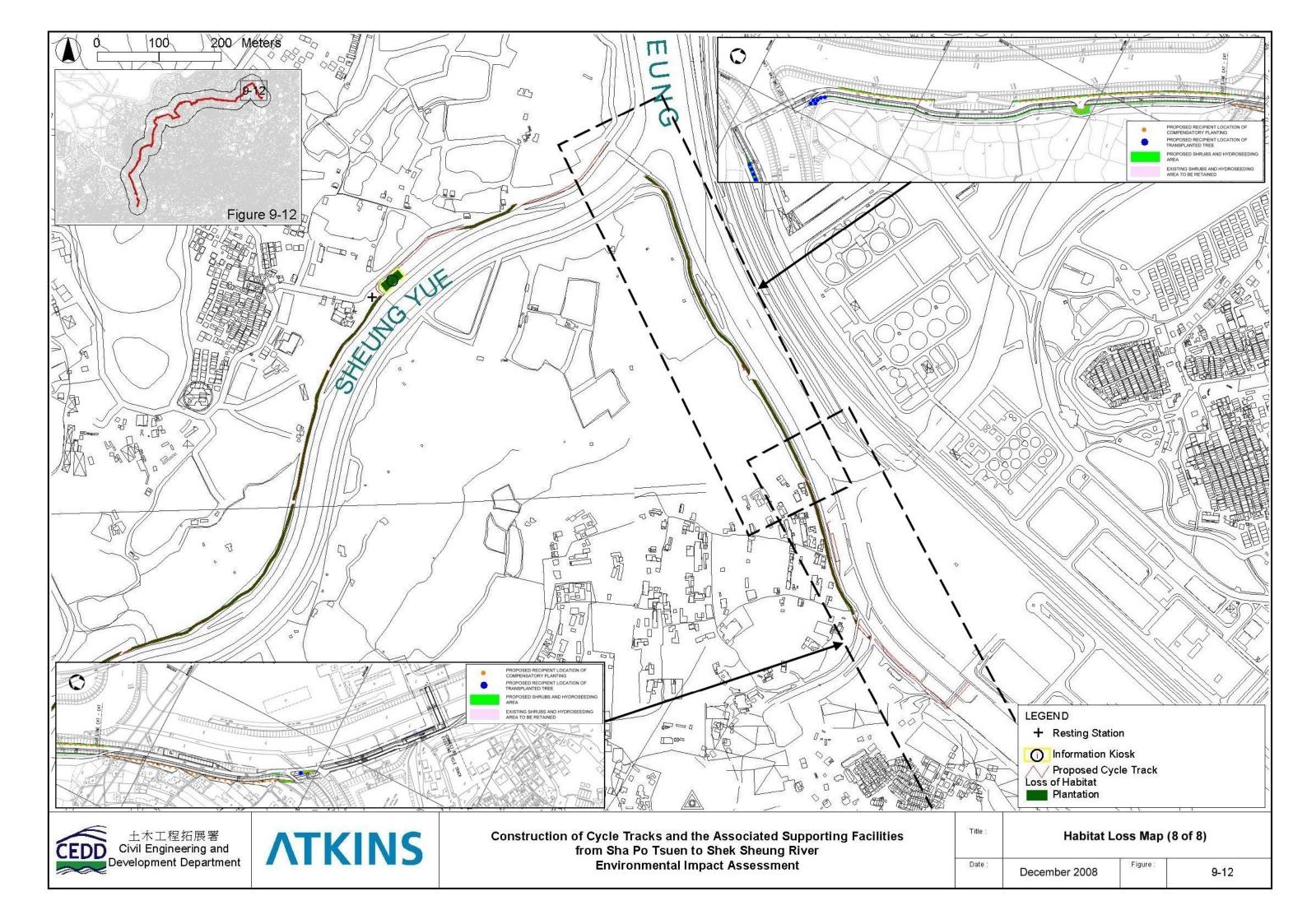


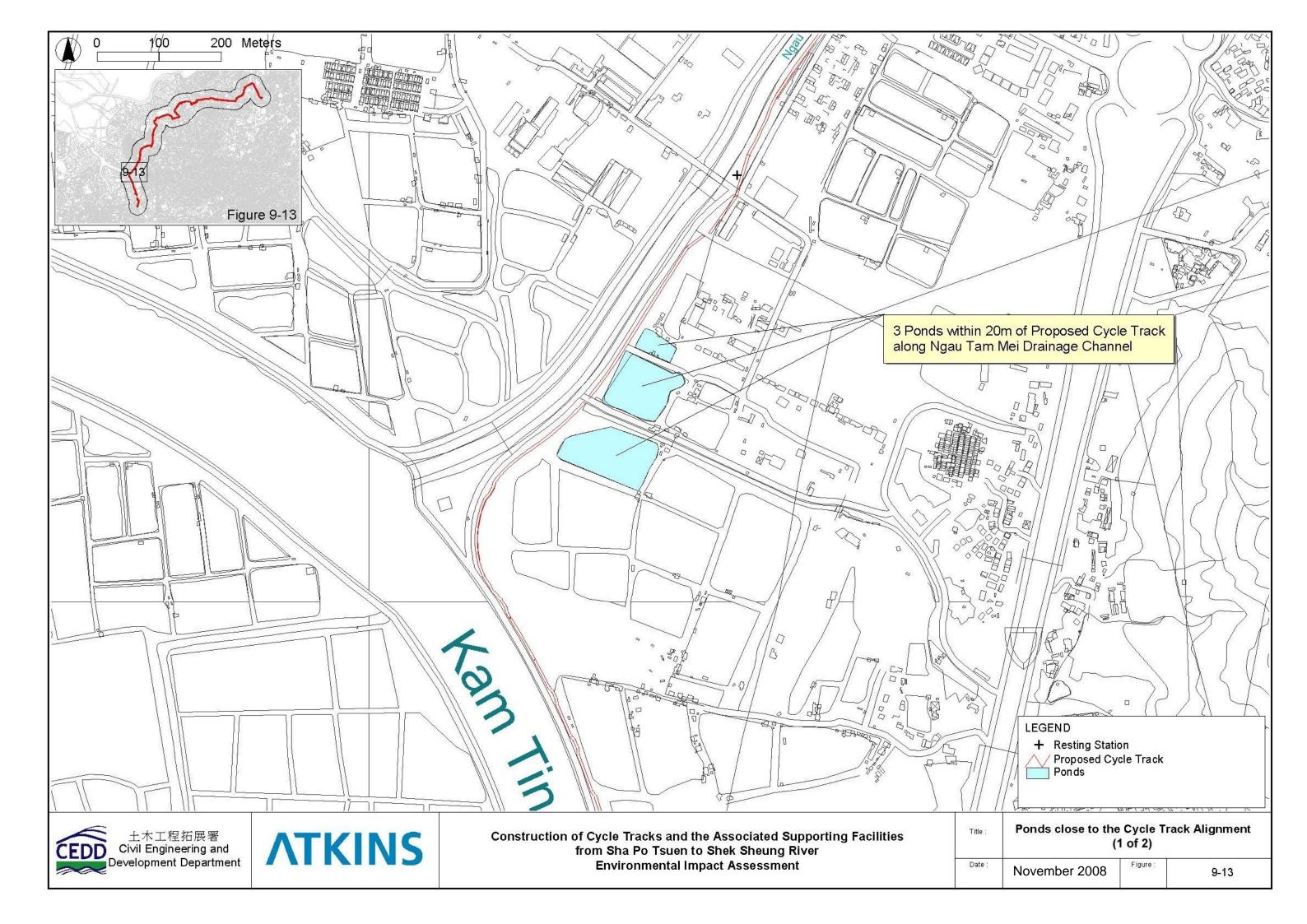


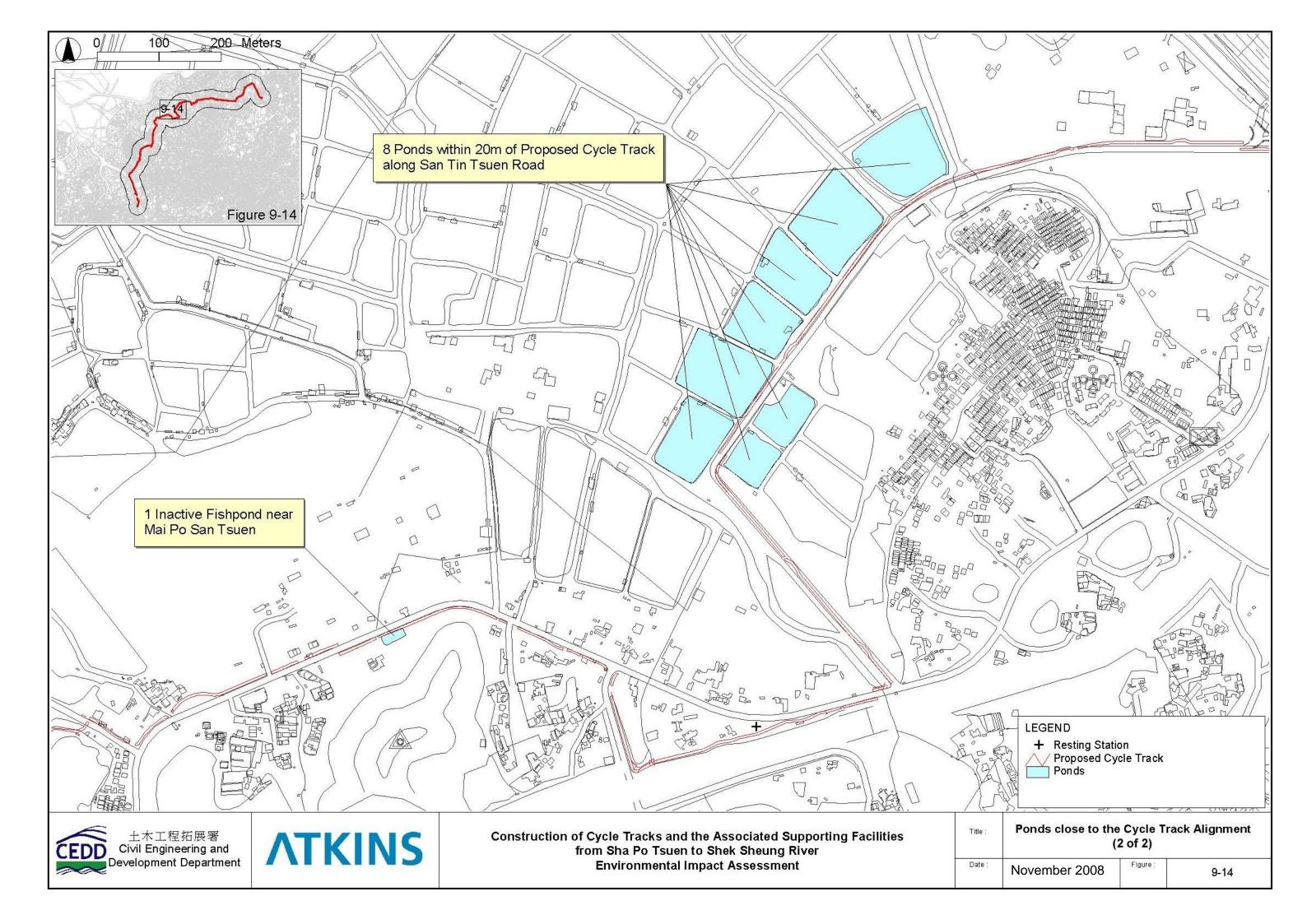




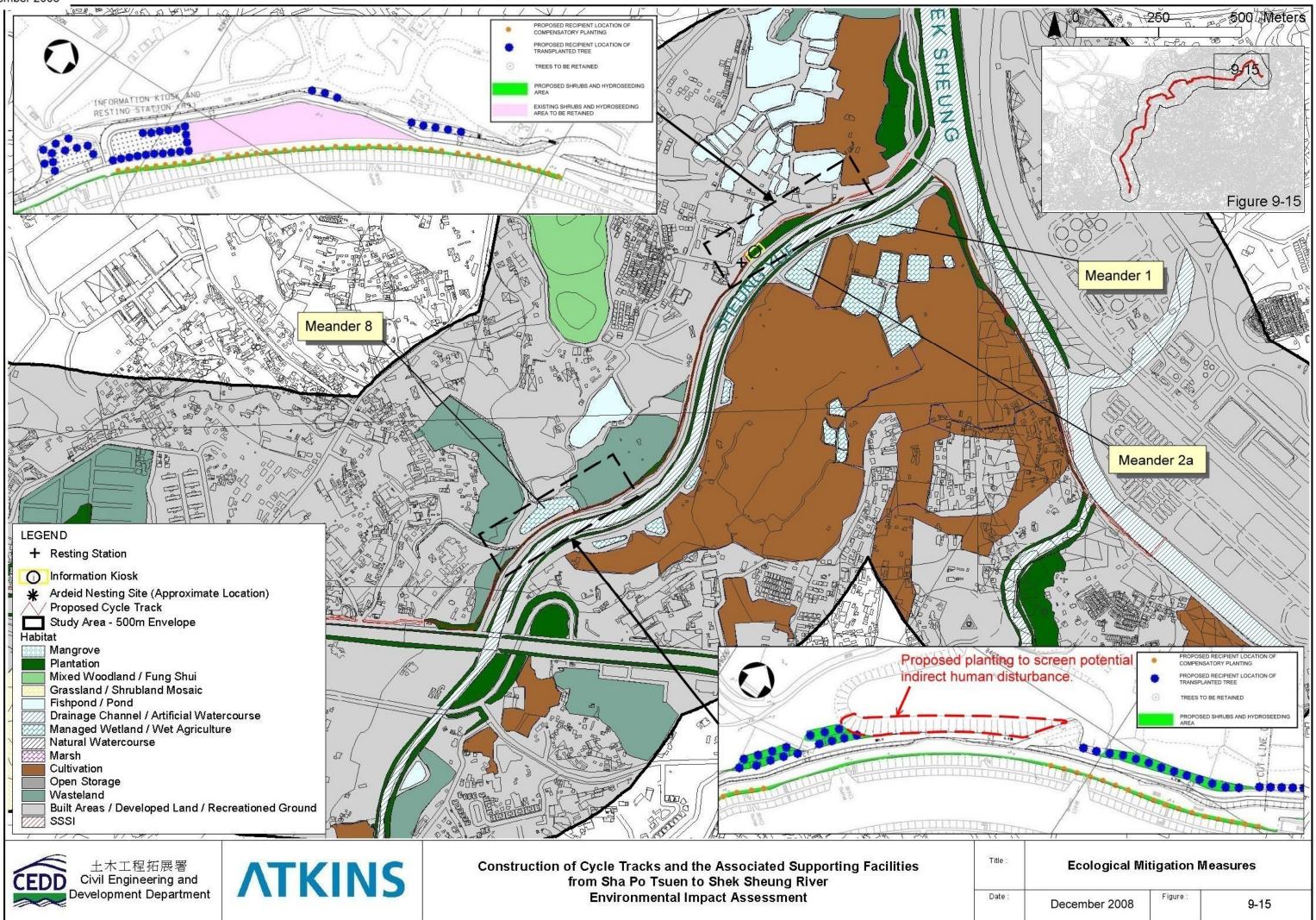


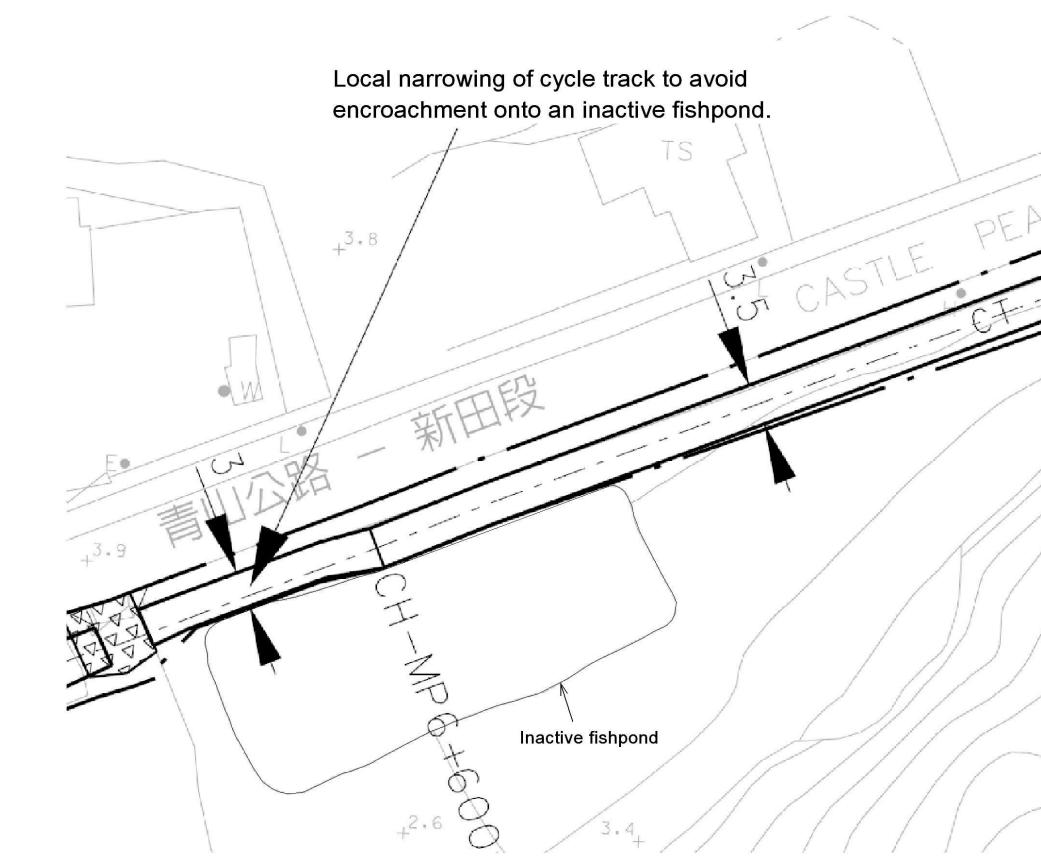






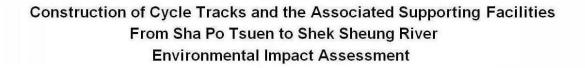
December 2008



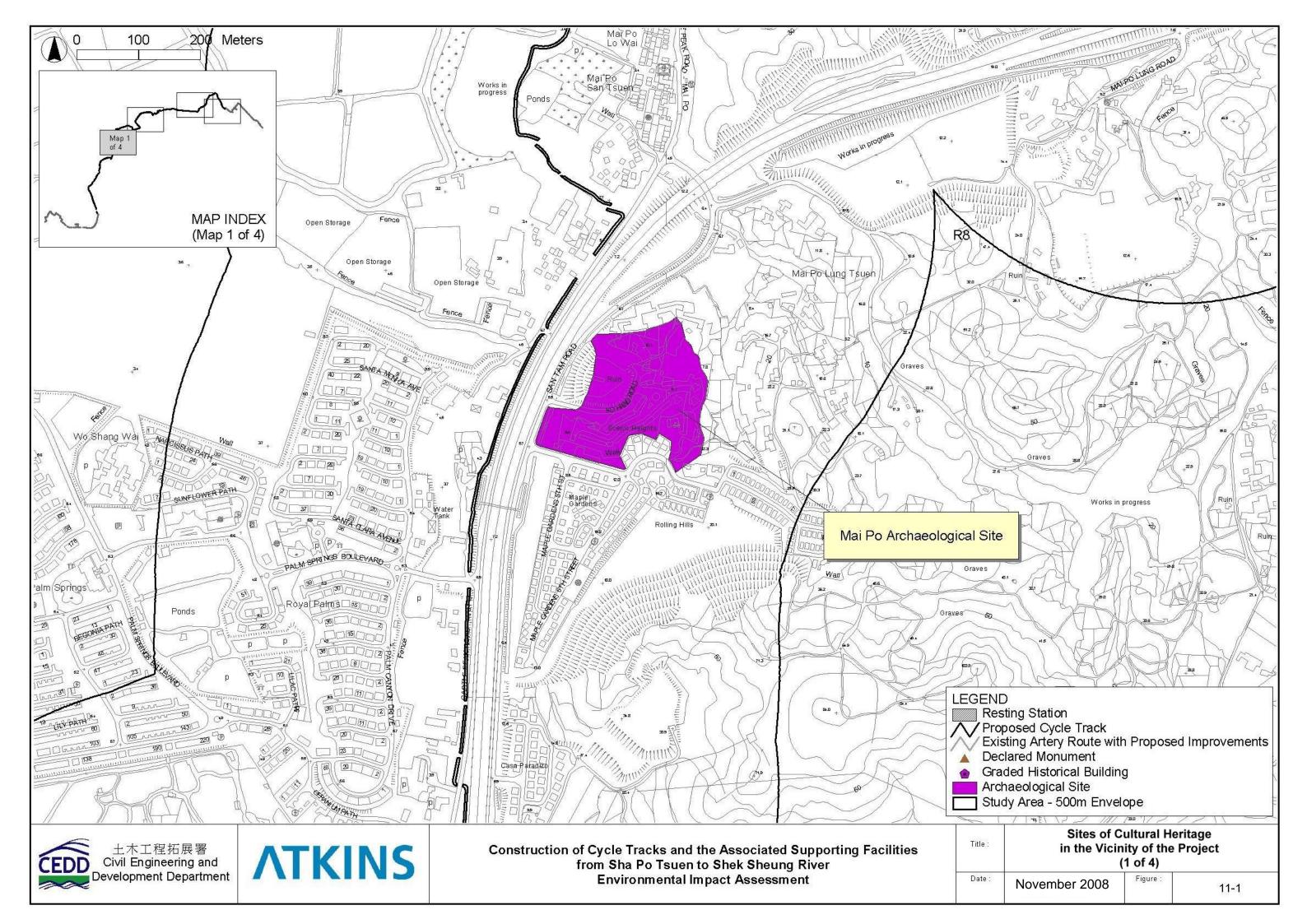


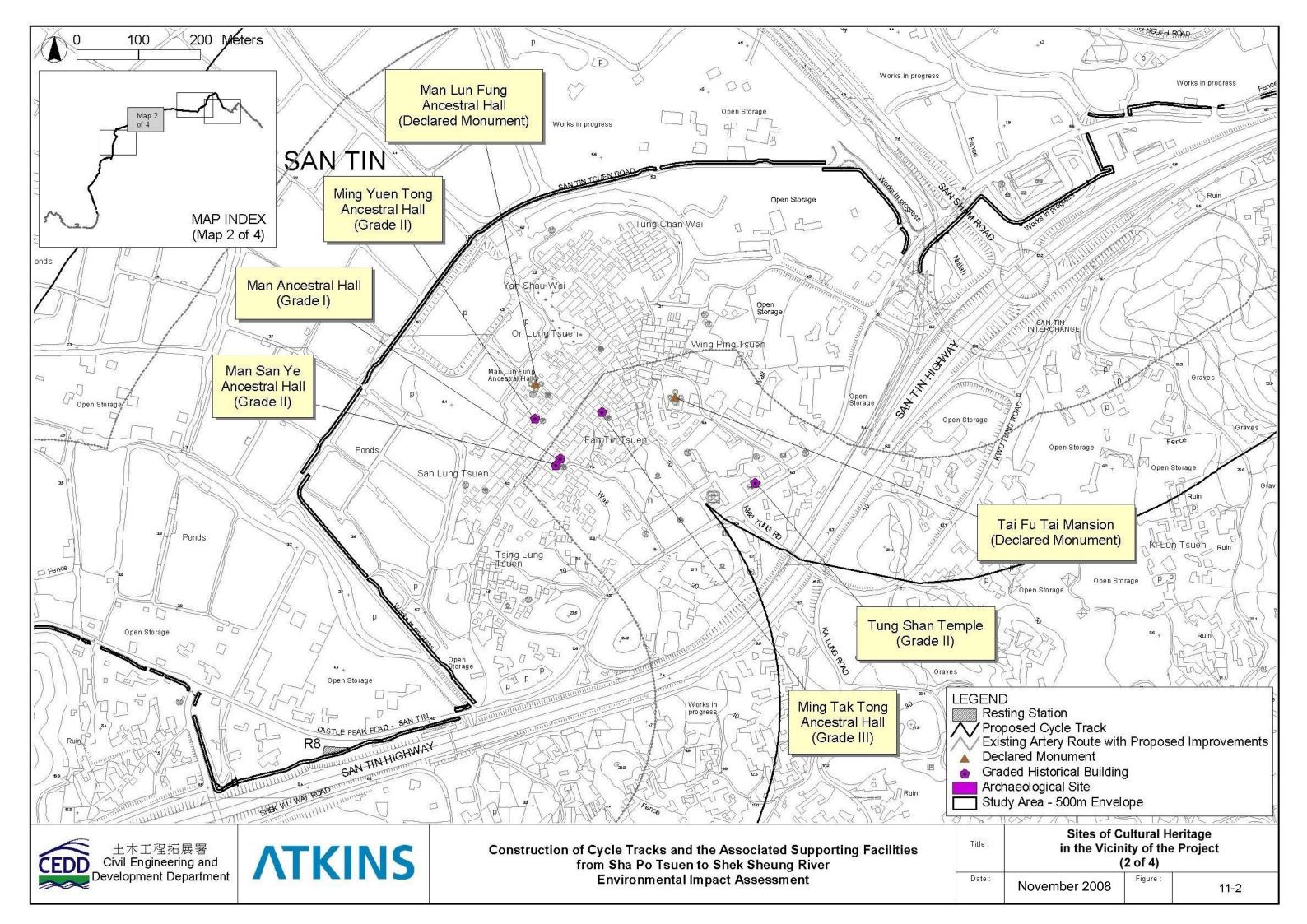


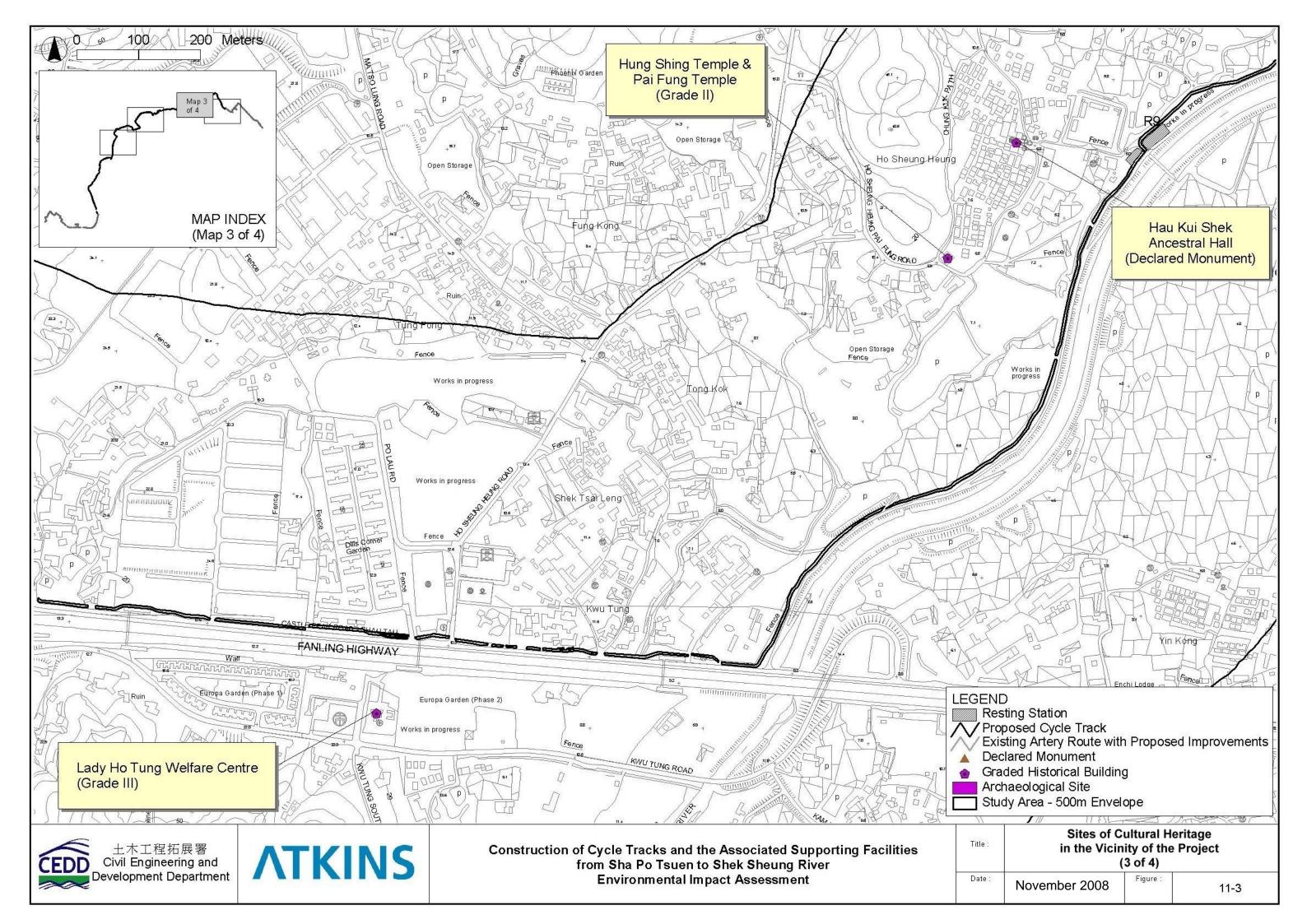
ATKINS

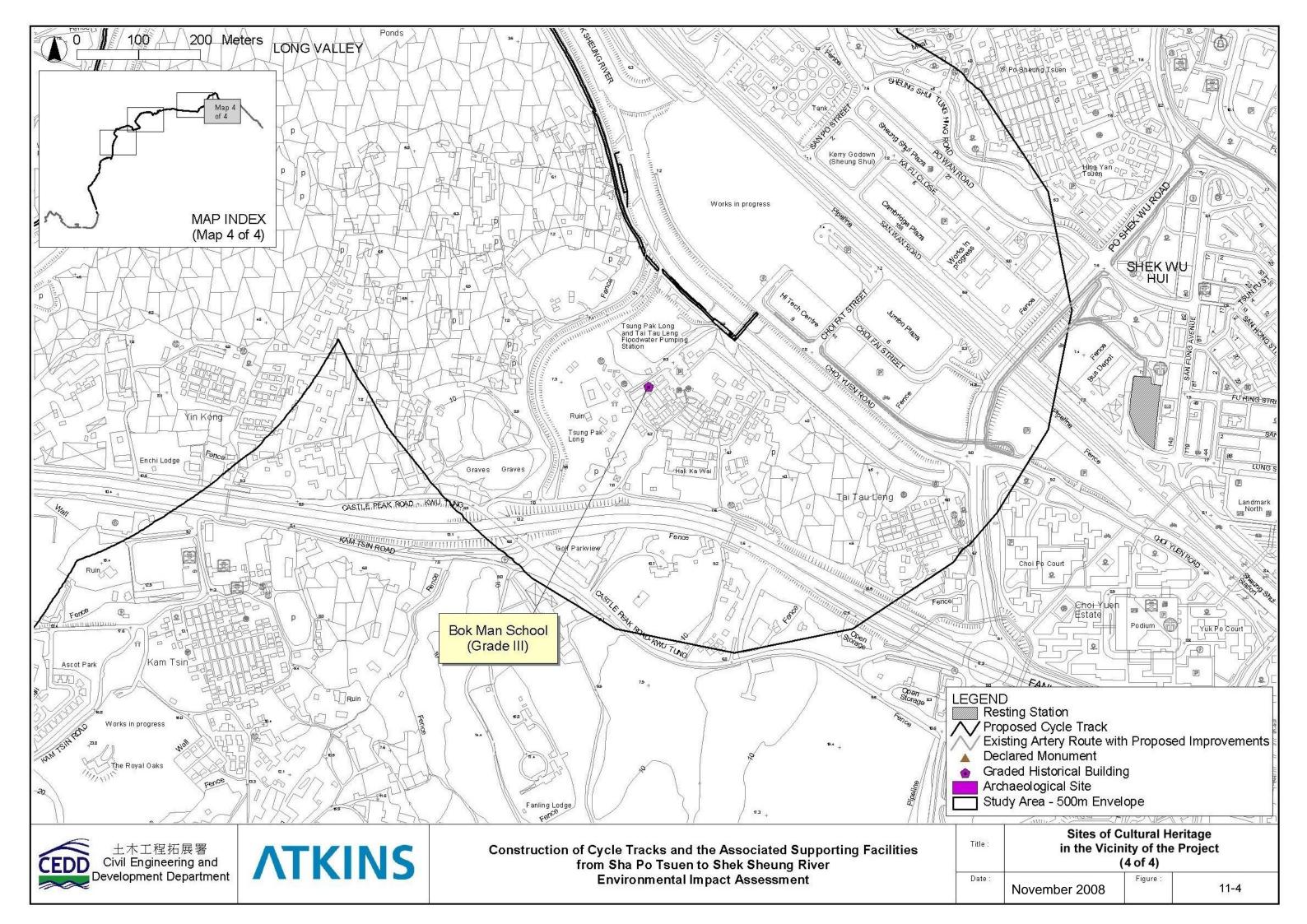


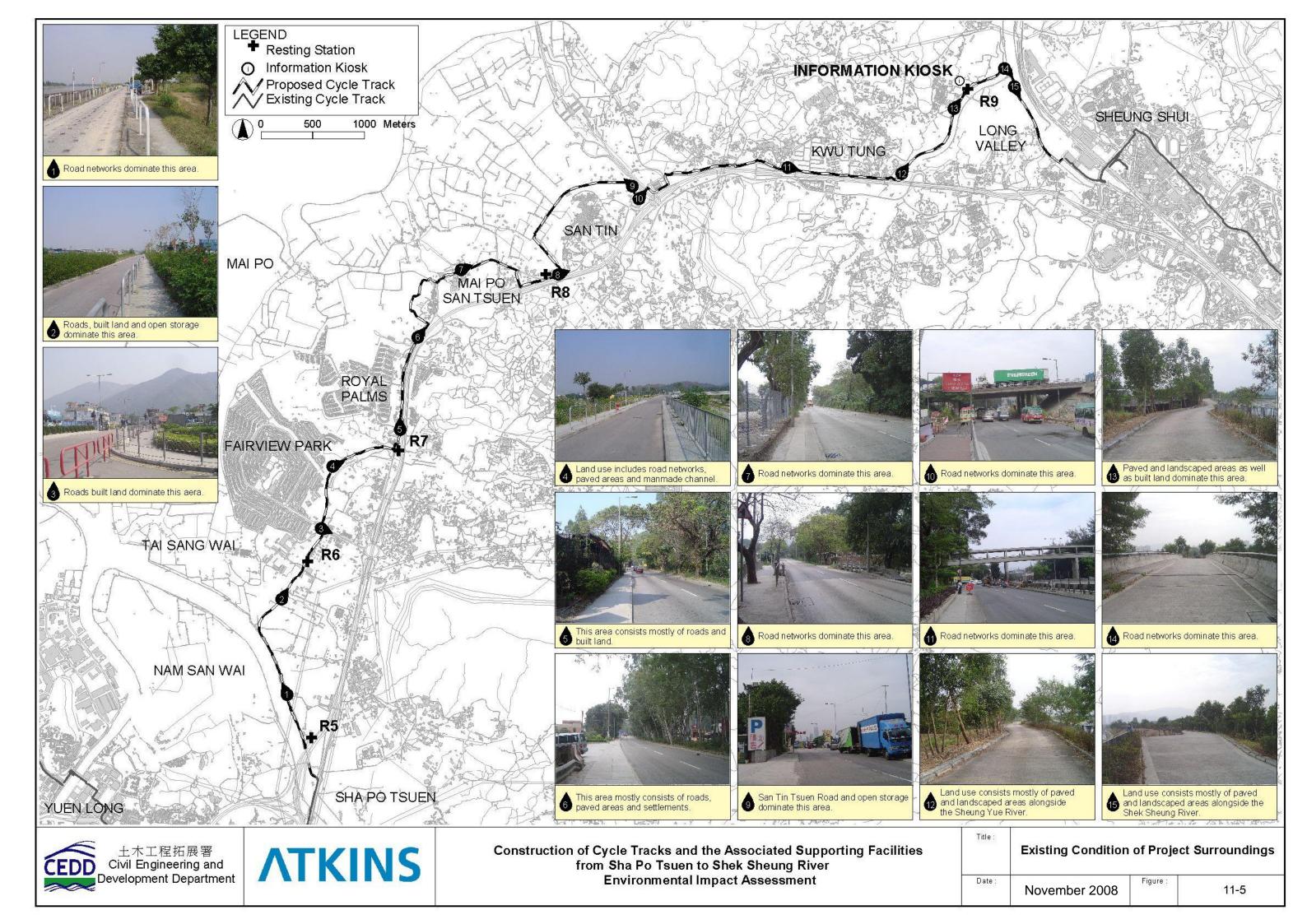
Title:	Affected I	nactive Fis	hpond
Date:	November 2008	Figure	10-1

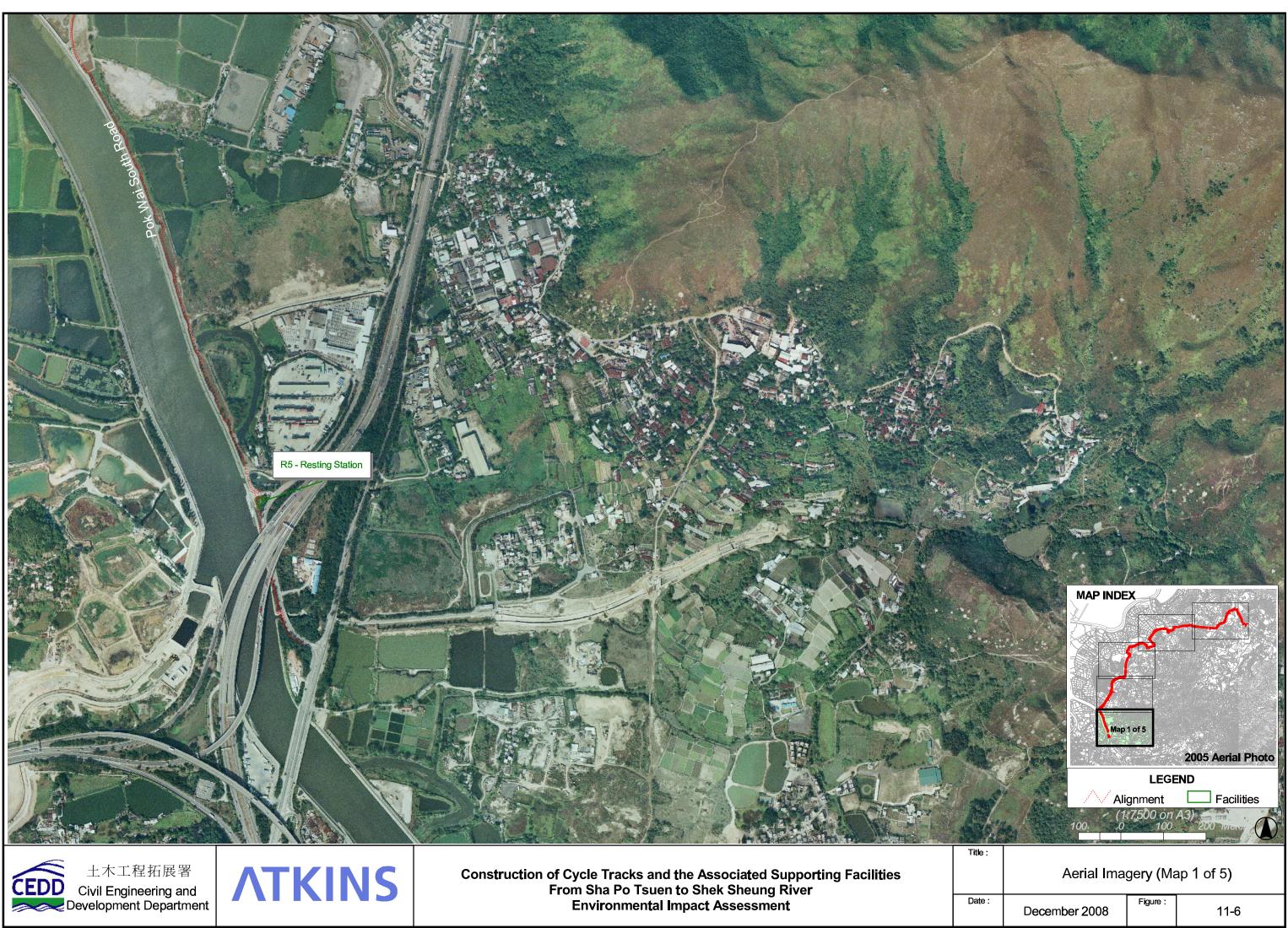










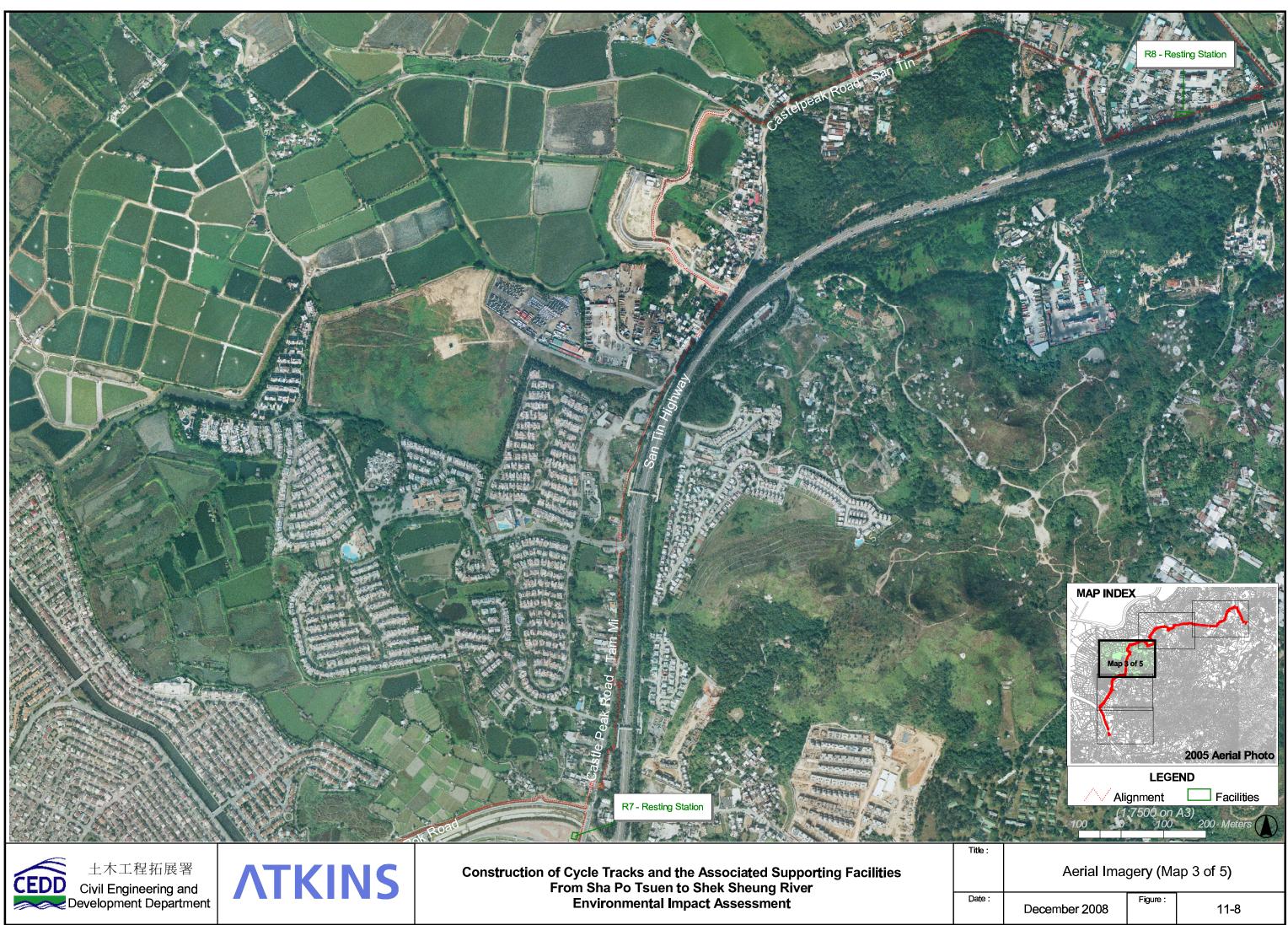


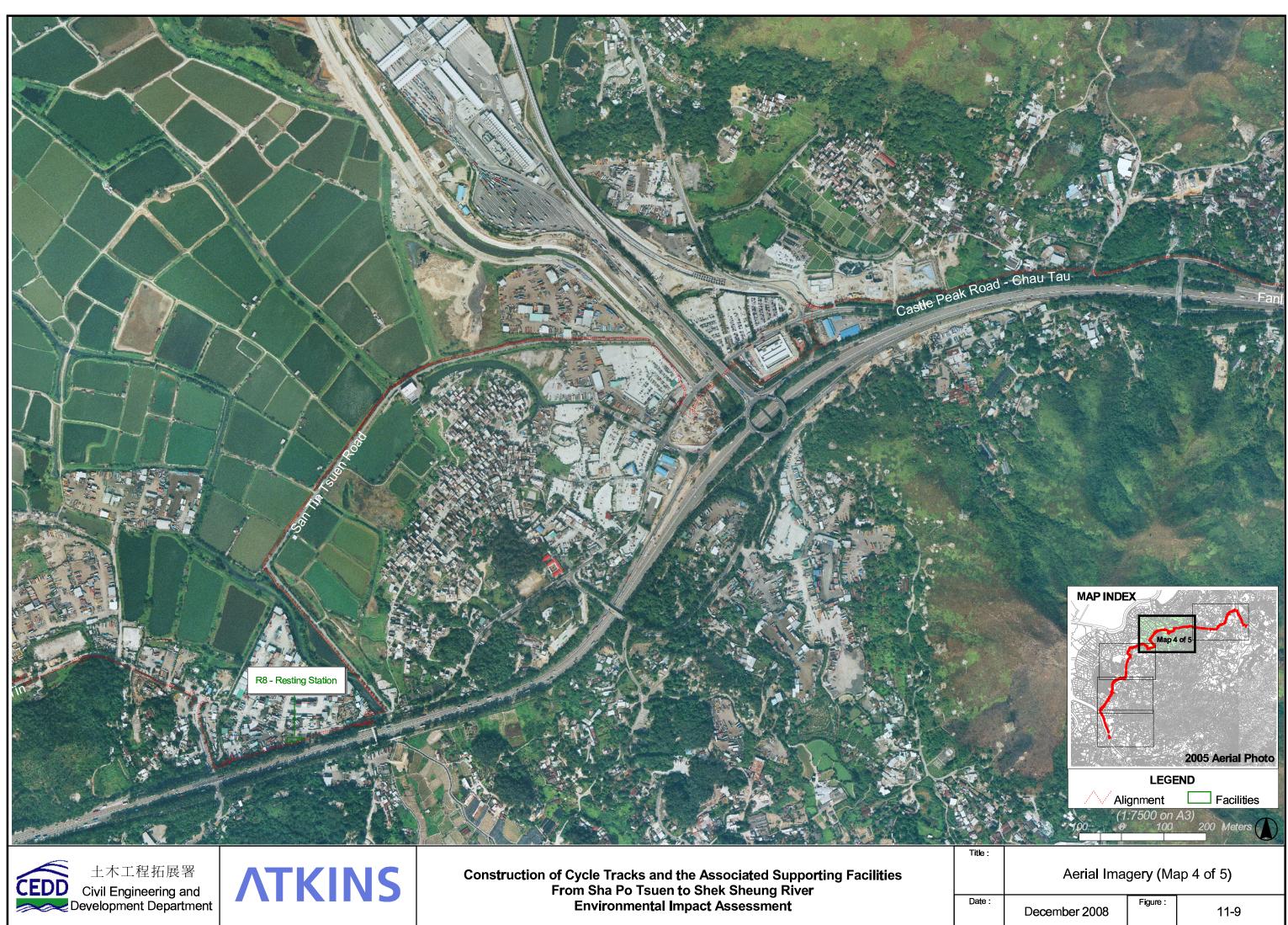






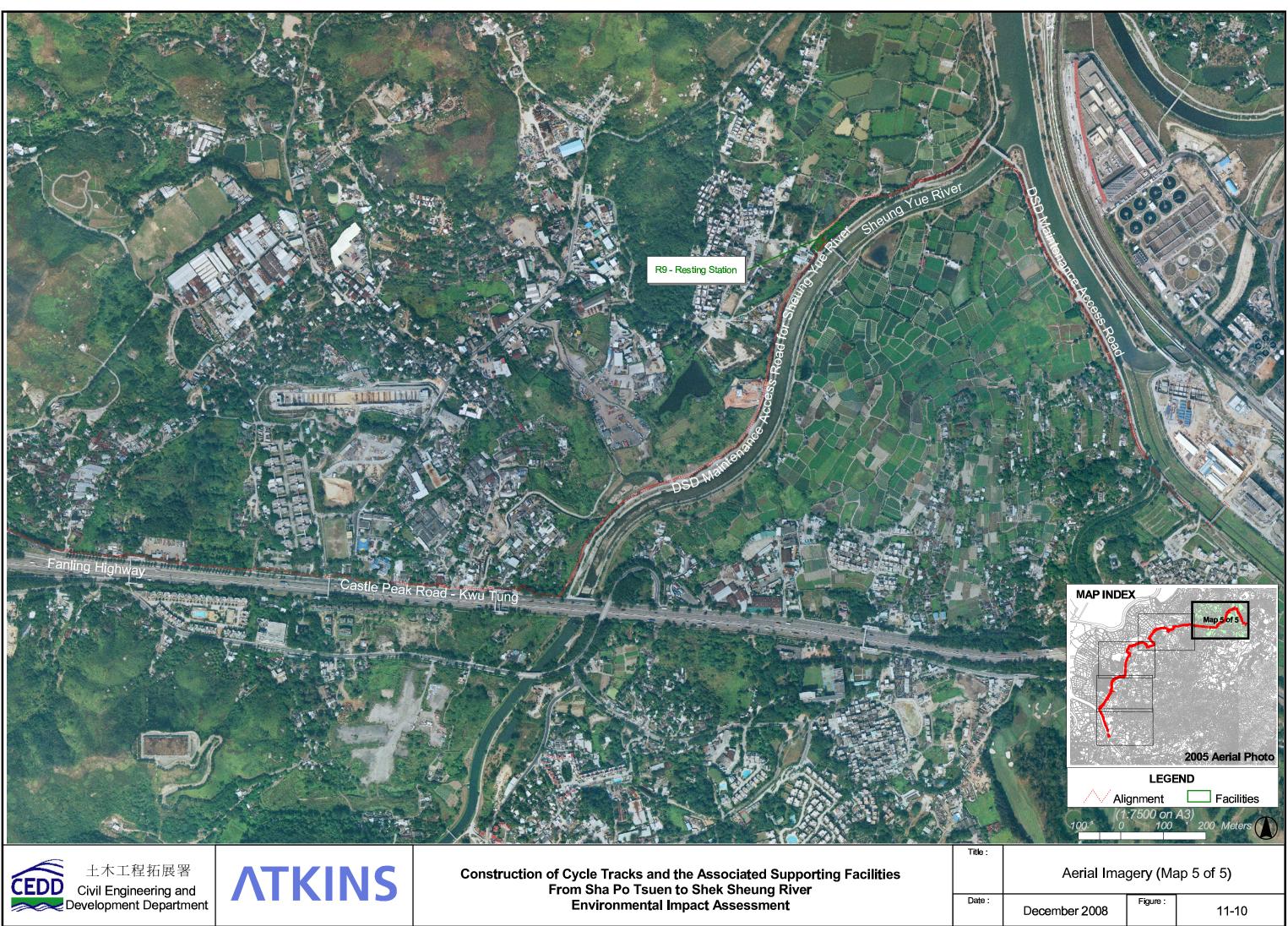








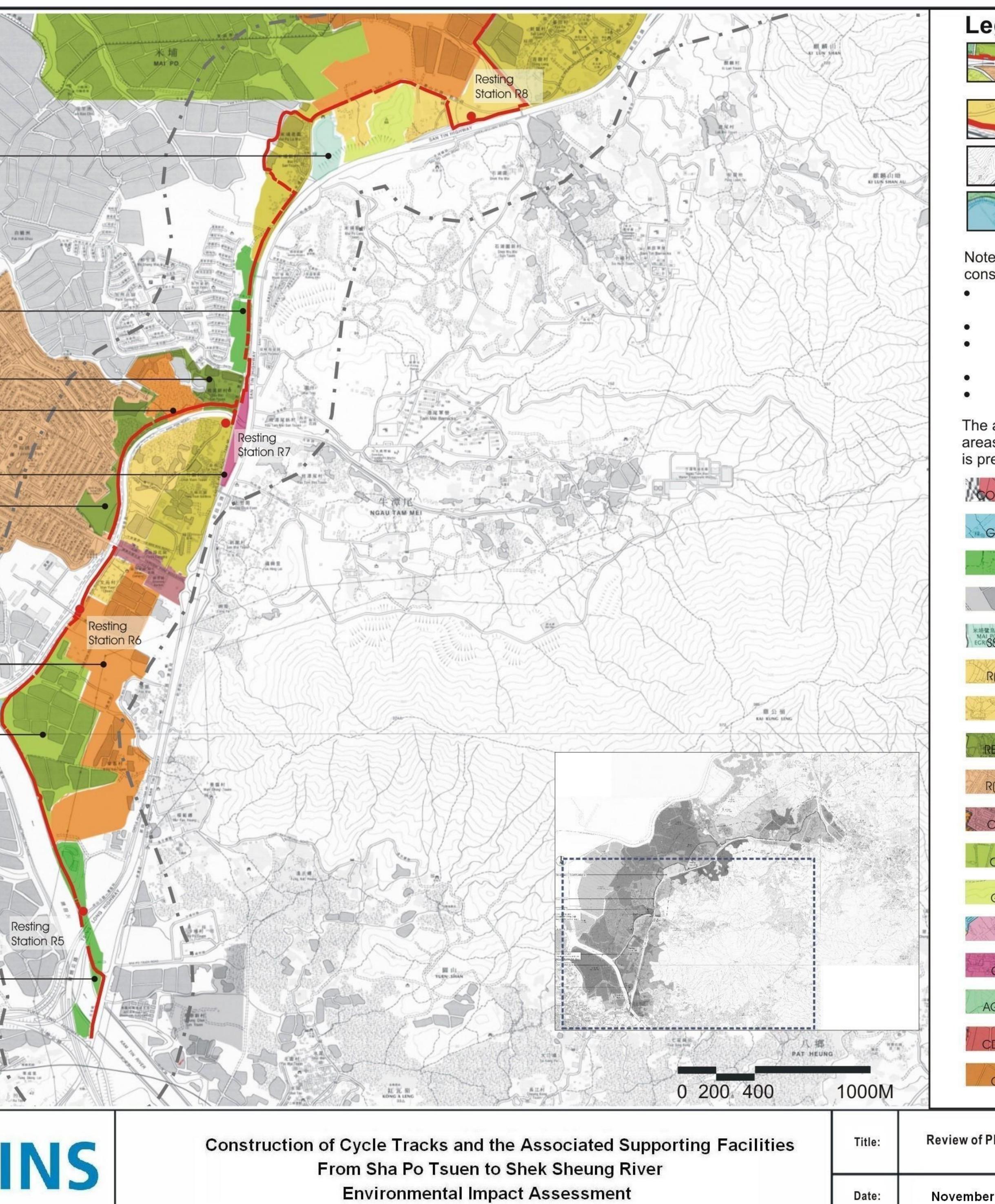








Ν Site of Special Scientific Interest 大椰基 TAI LONG KEI 1000 1000 Open Space Recreation Comprehensive Development to and Wetland Protection Area LUT CHAN Open Storage Recreation 000 COLUMN THE OWNER Comprehensive Development to include Wetland Restoration Area Conservation Area 南生關 (非清生力)可混乱) NAM SANG WAI 精 宣、 CHU WONG UN MARKON Open Space 土木工程拓展署 Civil Engineering and Development Department **ATKINS** 1000







Proposed Cycle Track Alignment



Proposed Supporting Facilities

Boundary between Outline Zoning Plans

Zone boundaries

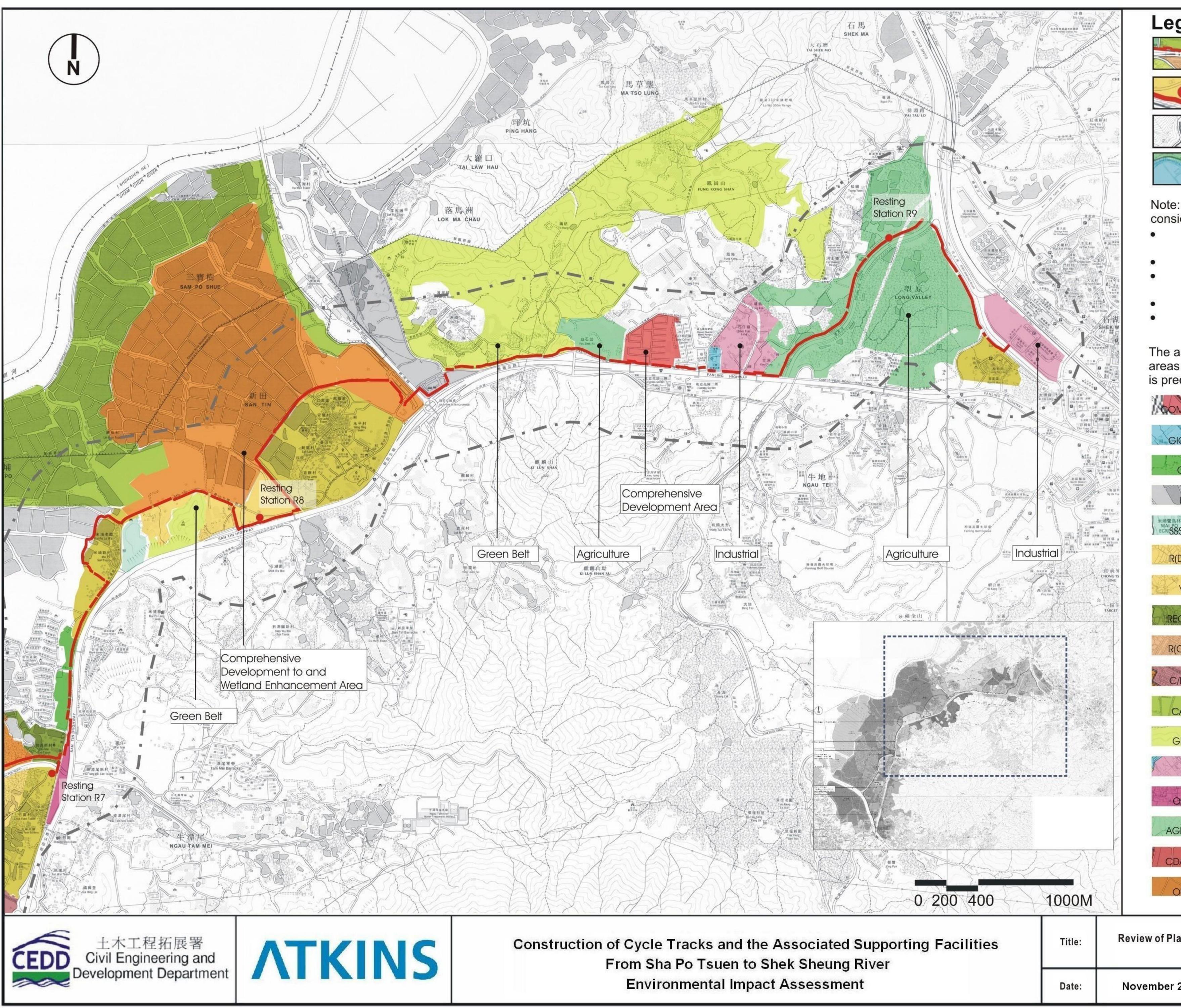
Note: the Outline Zoning Plans (OZPs) considered in this assessment include: S/FSS/12 - Fanling and Sheung Shui S/NE-KTN/8 Kwu Tung North S/YL-MP/6 Mai Po and Fairview Park S/YL-NSW/8 Nam Sang Wai S/YL-ST/8 San Tin

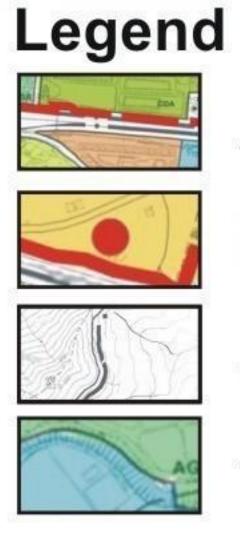
The assessment does not consider all of the areas zoned on the OZPs only those which it is predicted will be affected by the proposals.

MC	Commercial
SIC	Government, Institution or community
0	Open Space
U	Undetermined Reserved for the planned KCR Lok Ma Chau Spur Line
SSSI	Site of Special Scientific Interest
?(D)	Residential (Group D)
V	Village Type Development
EC	Recreation
R(C)	Residential (Group C)
C/R	Commercial/Residential
CA	Conservation Area
GB	Green Belt
	Industrial
OS	Open Storage
GR	Agriculture
DA	Comprehensive Development Area
OÙ	Other Specified Uses

Review of Planning and Development Control Framework (1 of 2)

r 2008	Figure	12-1A





Proposed Cycle Track Alignment

Proposed Supporting Facilities

Boundary between Outline Zoning Plans

Zone boundaries

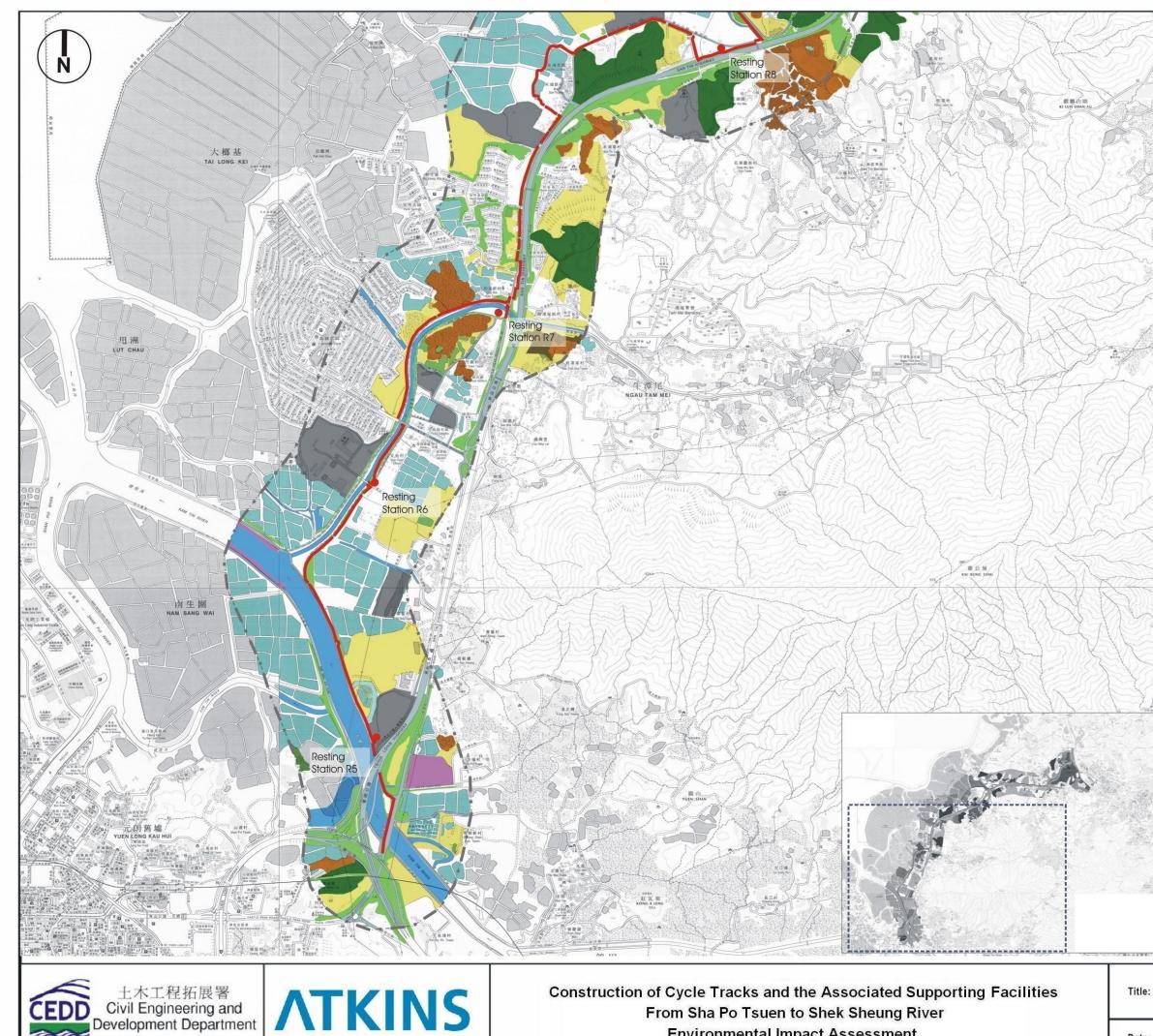
Note: the Outline Zoning Plans (OZPs) considered in this assessment include: S/FSS/12 - Fanling and Sheung Shui S/NE-KTN/8 Kwu Tung North S/YL-MP/6 Mai Po and Fairview Park S/YL-NSW/8 Nam Sang Wai S/YL-ST/8 San Tin

The assessment does not consider all of the areas zoned on the OZPs only those which it is predicted will be affected by the proposals.

M	Commercial
SIC	Government, Institution or community
0	Open Space Undetermined Reserved for the
U	planned KCR Lok Ma Chau Spur Line
SSSI	Site of Special Scientific Interest
R(D)	Residential (Group D)
V	Village Type Development
EC	Recreation
R(C)	Residential (Group C)
C/R	Commercial/Residential
CA	Conservation Area
GB	Green Belt
	Industrial
OS	Open Storage
GR	Agriculture
DA	Comprehensive Development Area
OÙ	Other Specified Uses
lonn	ing and Davalanment Control Framowork

Review of Planning and Development Control Framework (2 of 2)

2-1B
•



and

Legend



Study Area

Proposed Cycle Track Alignment

Proposed Supporting Facilities

Landscape Resources



LR1 Major Road and Highway



LR2.1 Settlement

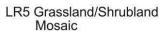
LR2.2 Open Storage











LR6 Agricultural Field



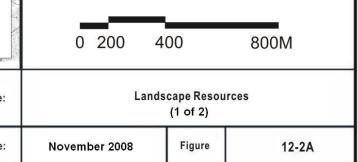


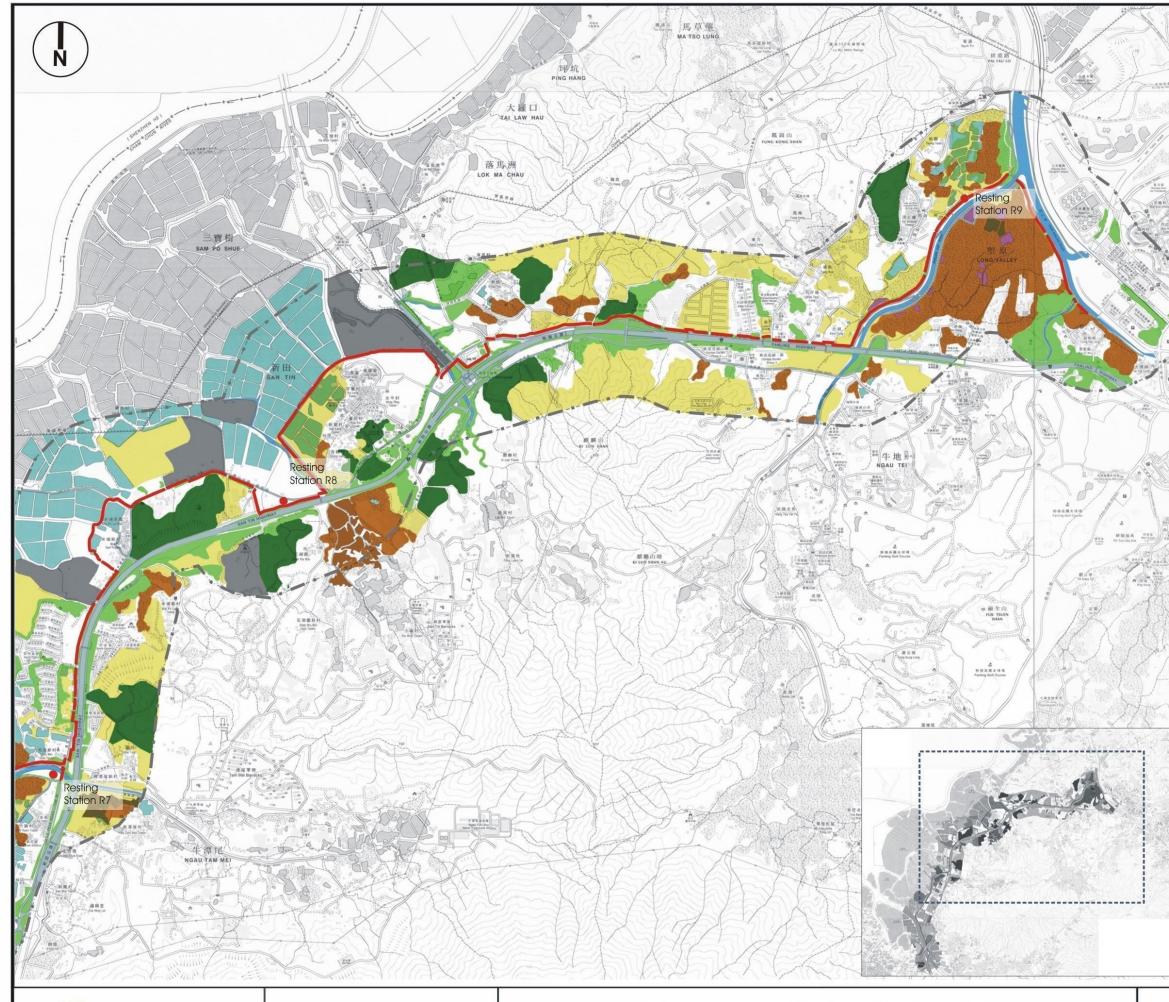


LR4 Plantation

LR8 Modified Watercourse

LR9 Wetland





土木工程拓展署 Civil Engineering and Development Department ED 20

ATKINS

Construction of Cycle Tracks and the Associated Supporting Facilities From Sha Po Tsuen to Shek Sheung River **Environmental Impact Assessment**

Legend



Study Area

Proposed Cycle Track Alignment

Proposed Supporting Facilities

Landscape Resources



LR1 Major Road and Highway



LR2.1 Settlement

LR2.2 Open Storage

LR3 Mixed Woodland

LR4 Plantation











LR6 Agricultural Field

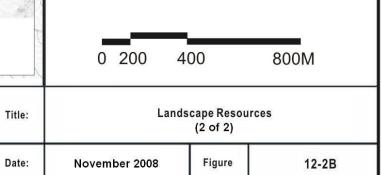
LR8 Modified Watercourse

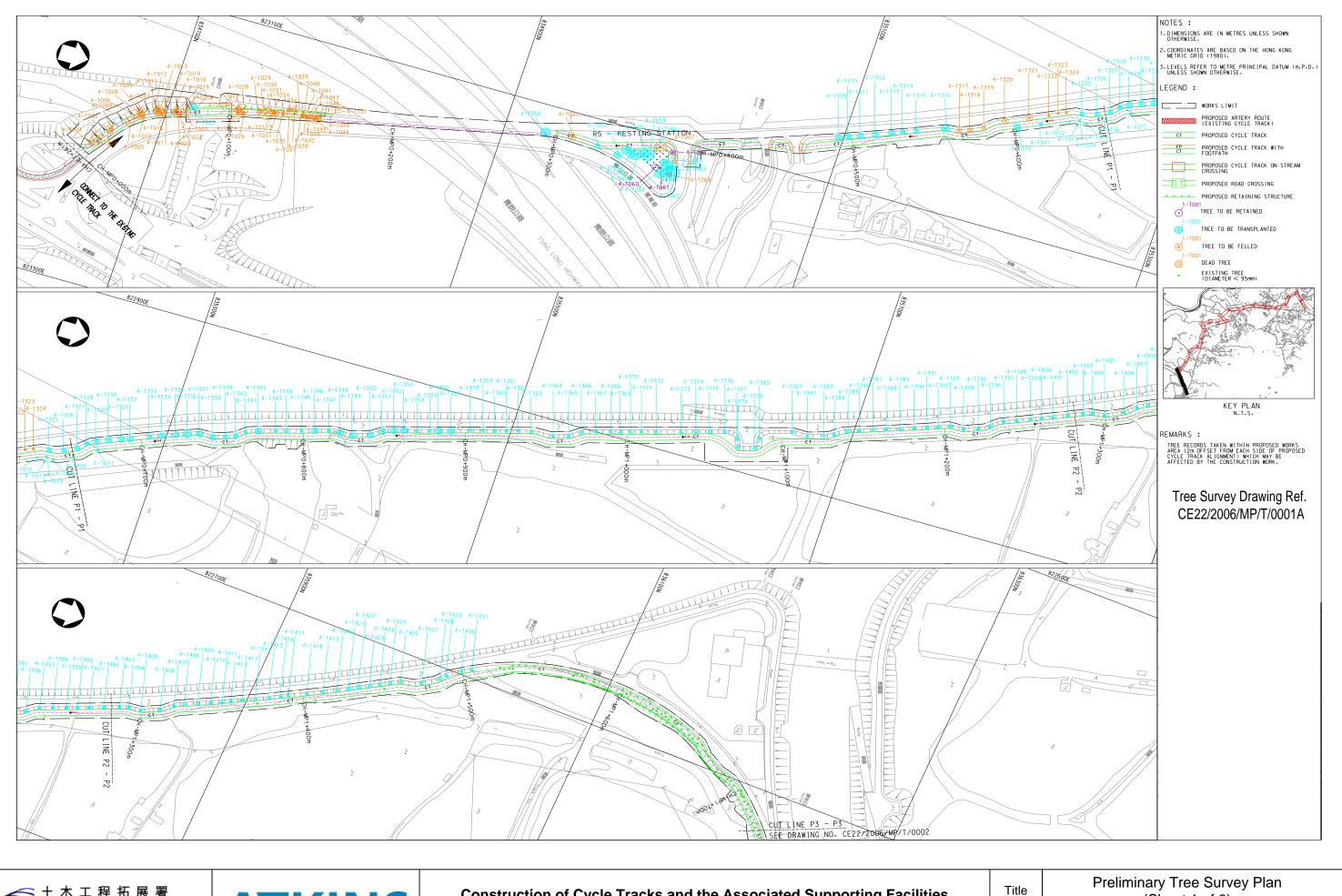






LR9 Wetland





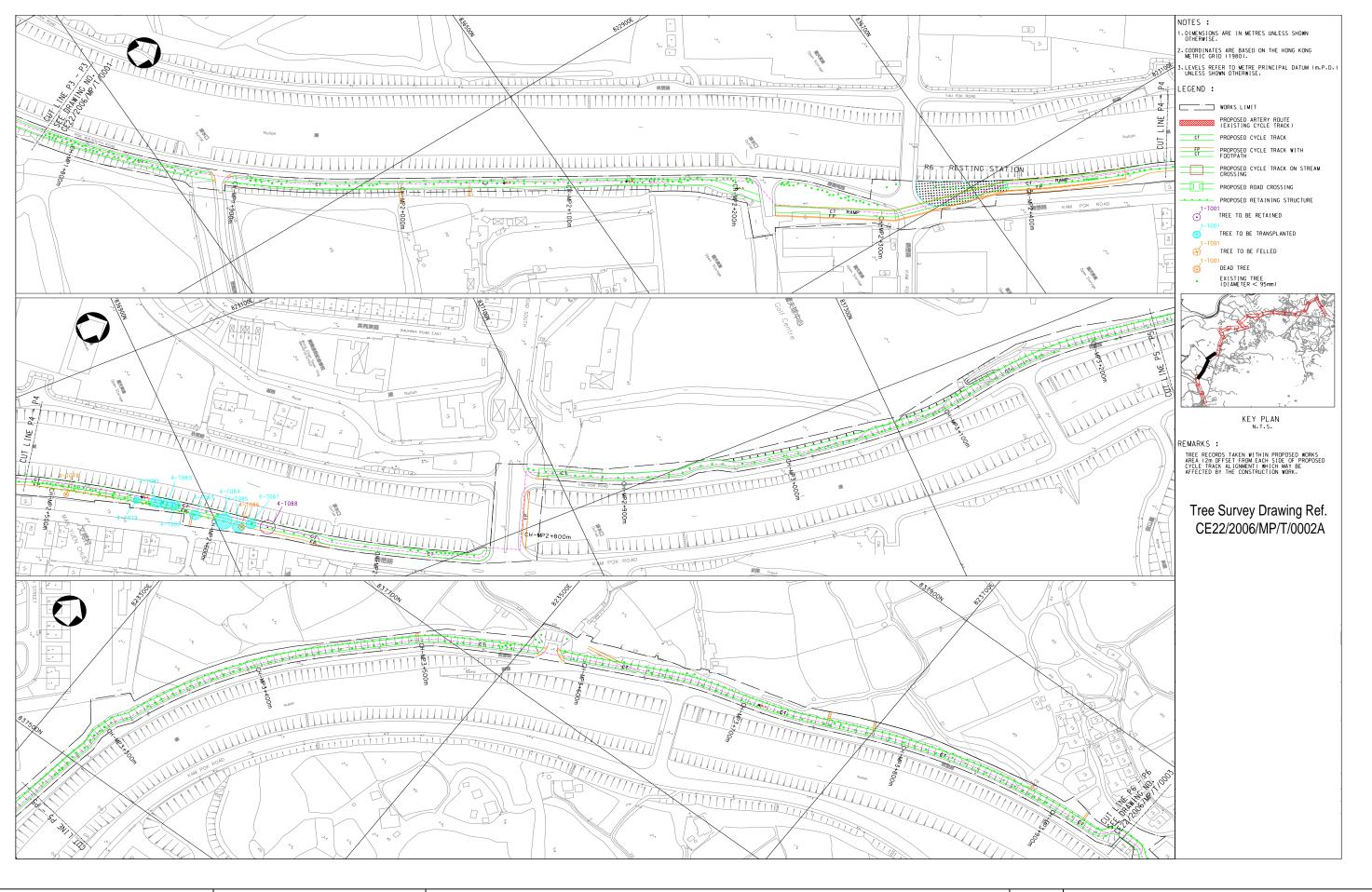


ATKINS

Construction of Cycle Tracks and the Associated Supporting Facilities From Sha Po Tsuen to Shek Sheung River Environmental Impact Assessment

Date

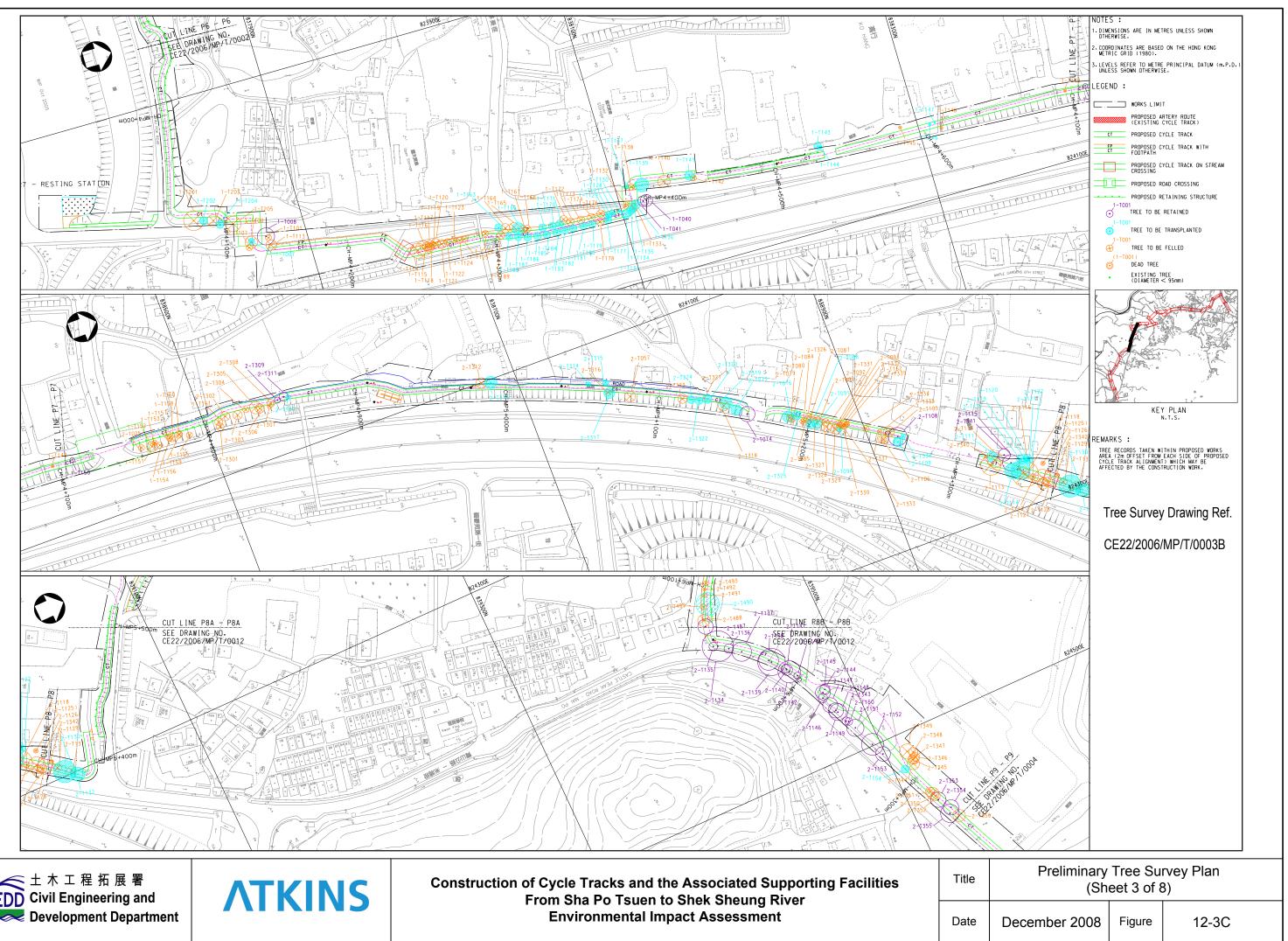
(Sheet 1 of 8)							
November 2008	Figure	12-3A					



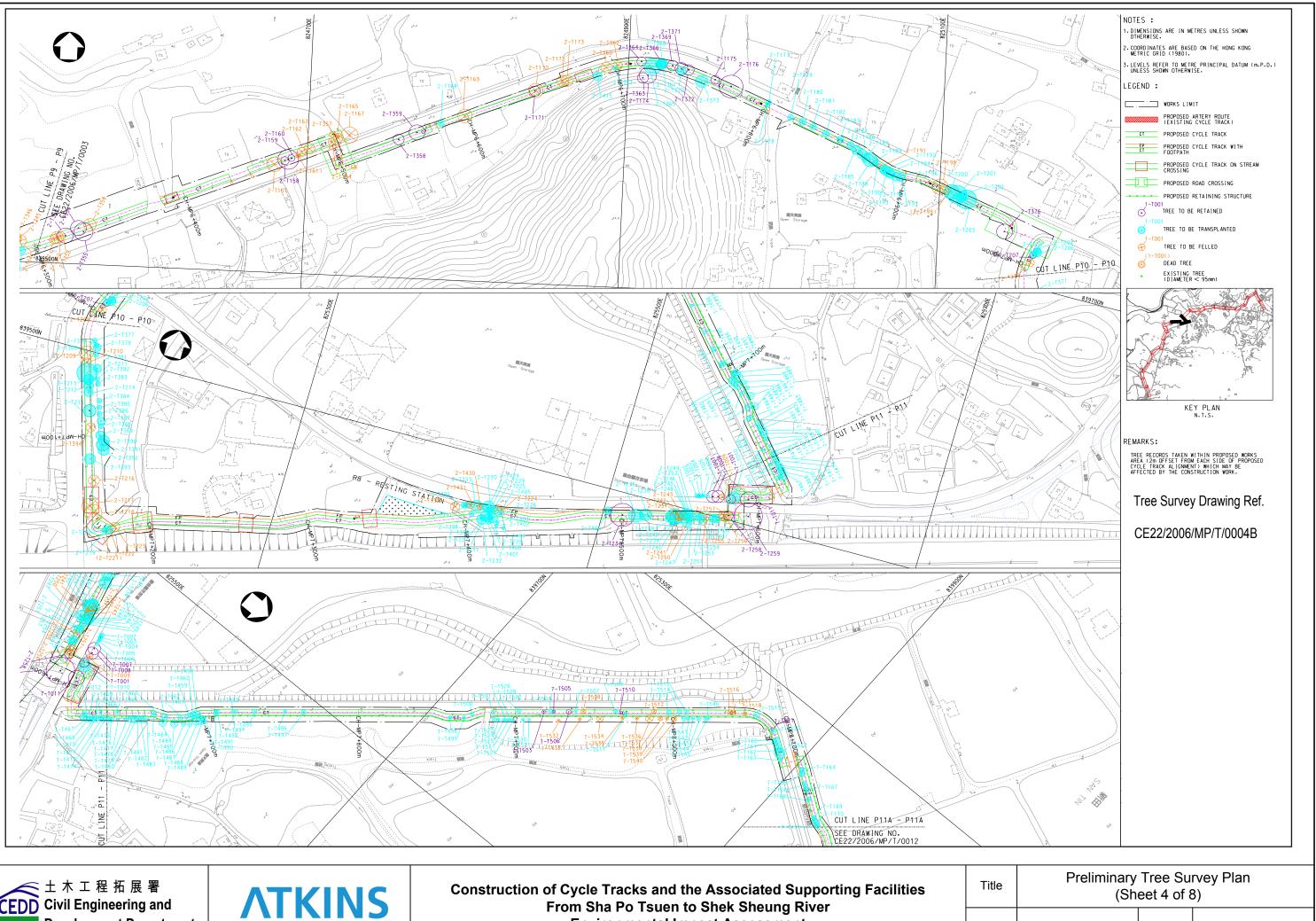


Construction of Cycle Tracks and the Associated Supporting Facilities From Sha Po Tsuen to Shek Sheung River Environmental Impact Assessment Title

Preliminary Tree Survey Plan (Sheet 2 of 8)					
November 2008	Figure	12-3B			



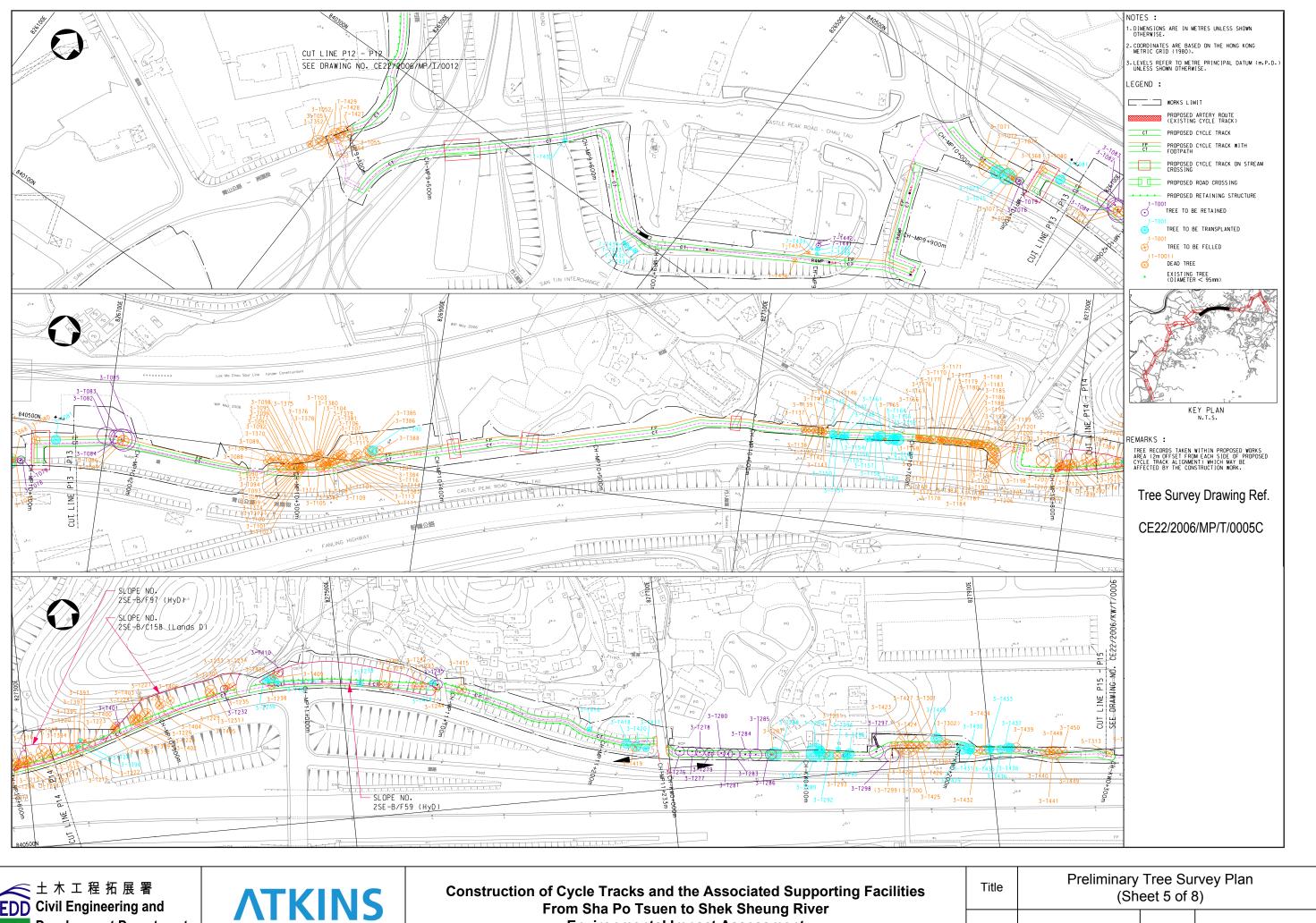






From Sha Po Tsuen to Shek Sheung River **Environmental Impact Assessment**

Date



Development Department

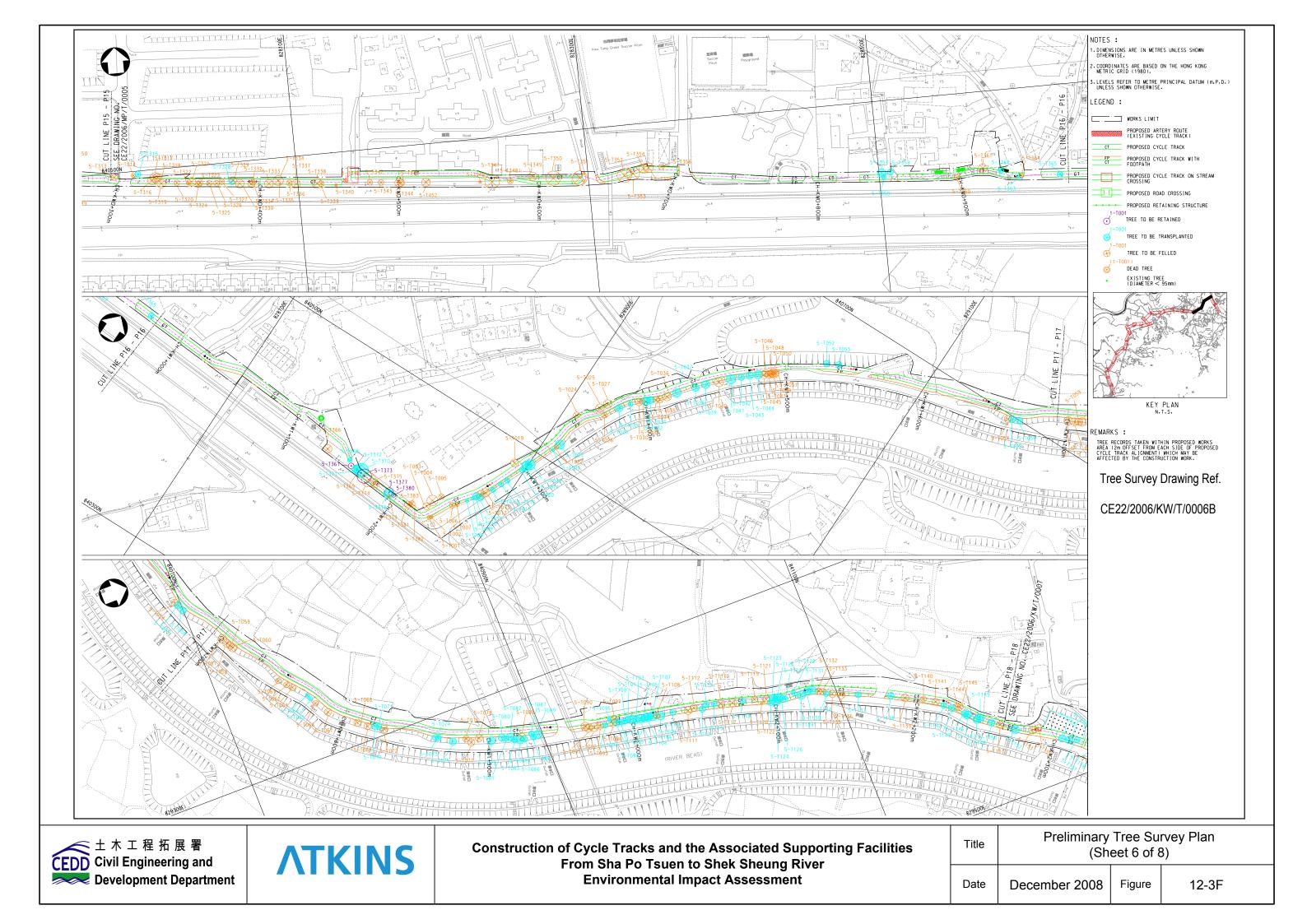
Environmental Impact Assessment

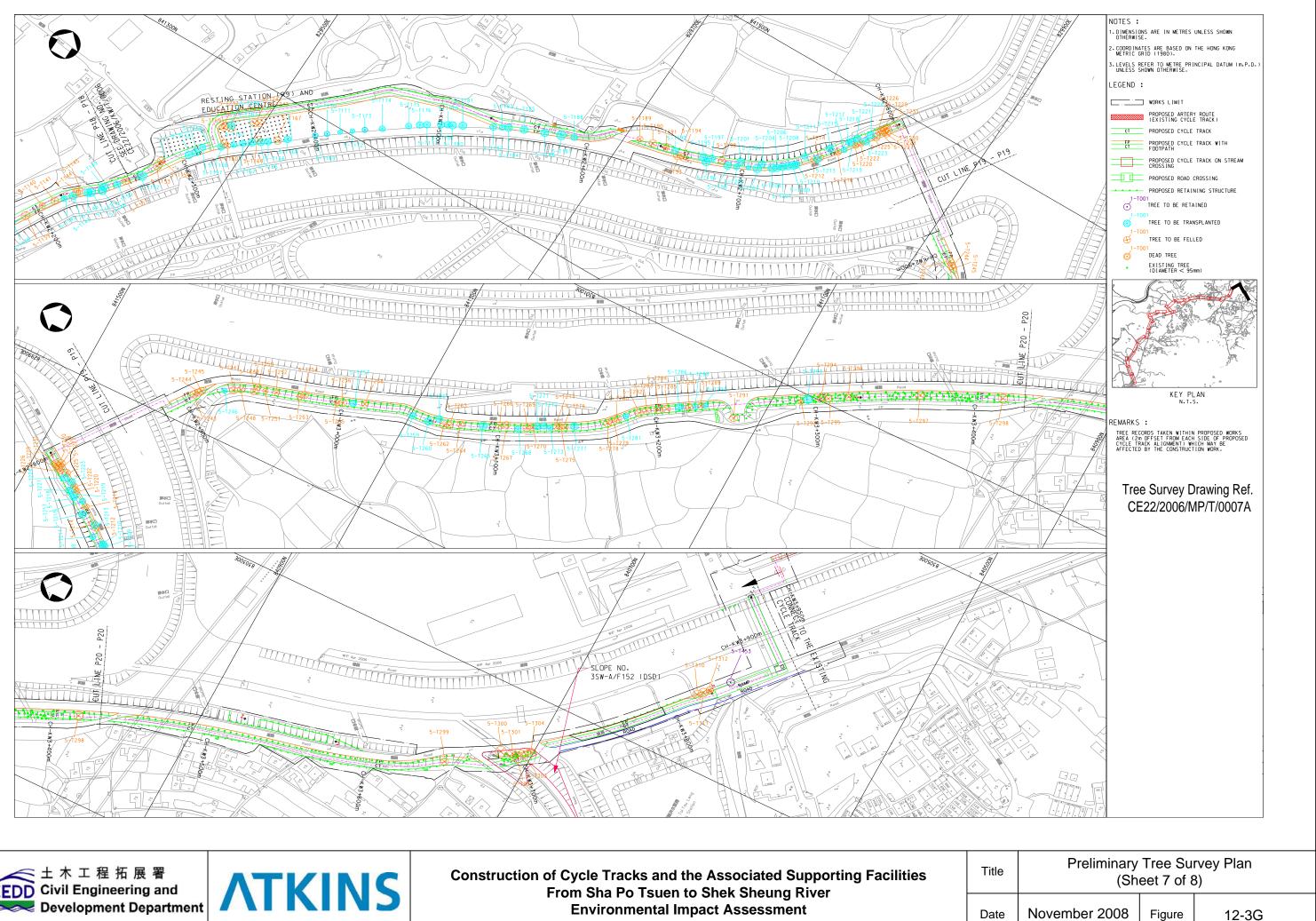
Date

December 2008

Figure

12-3E

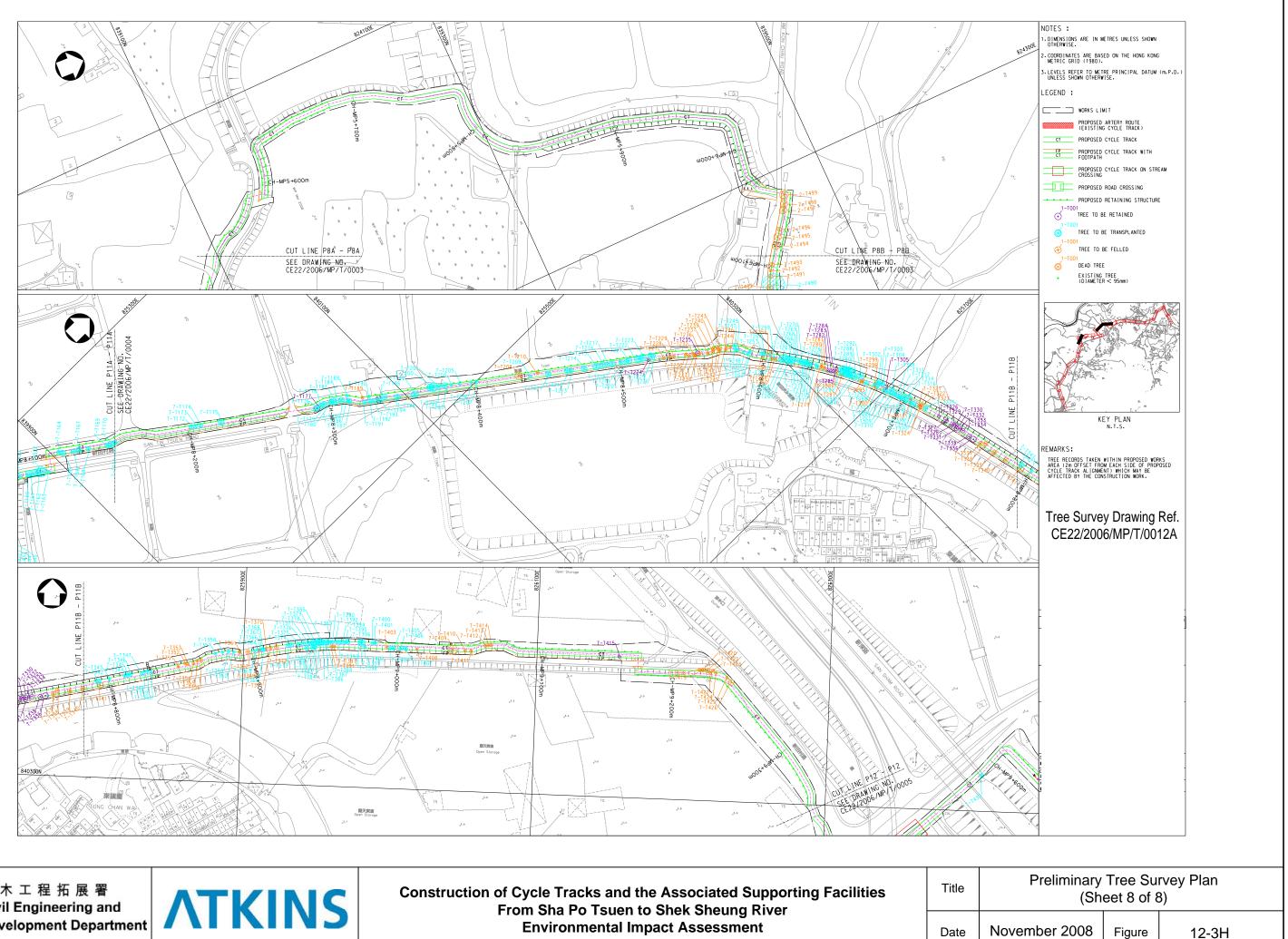




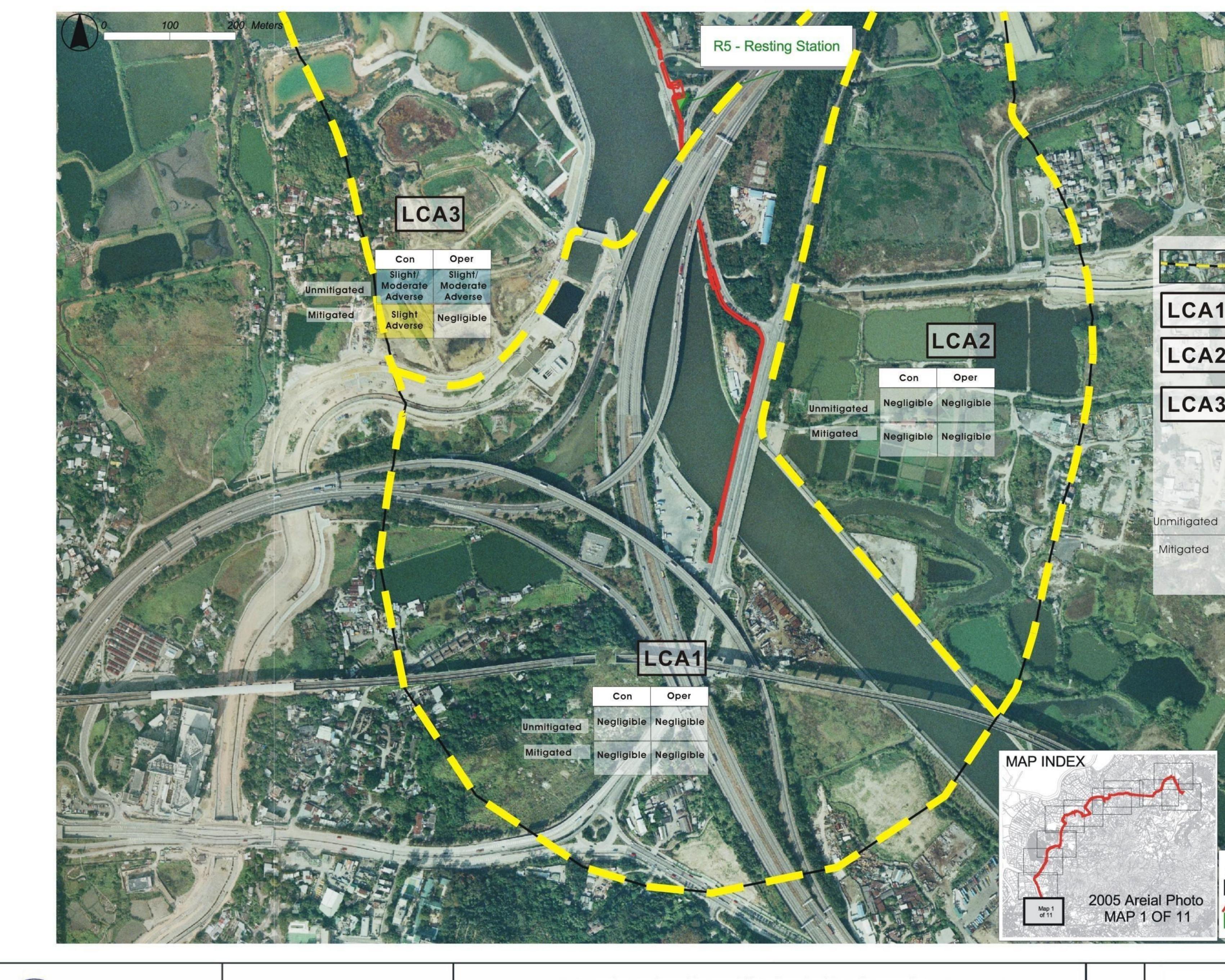


Environmental Impact Assessment

Date





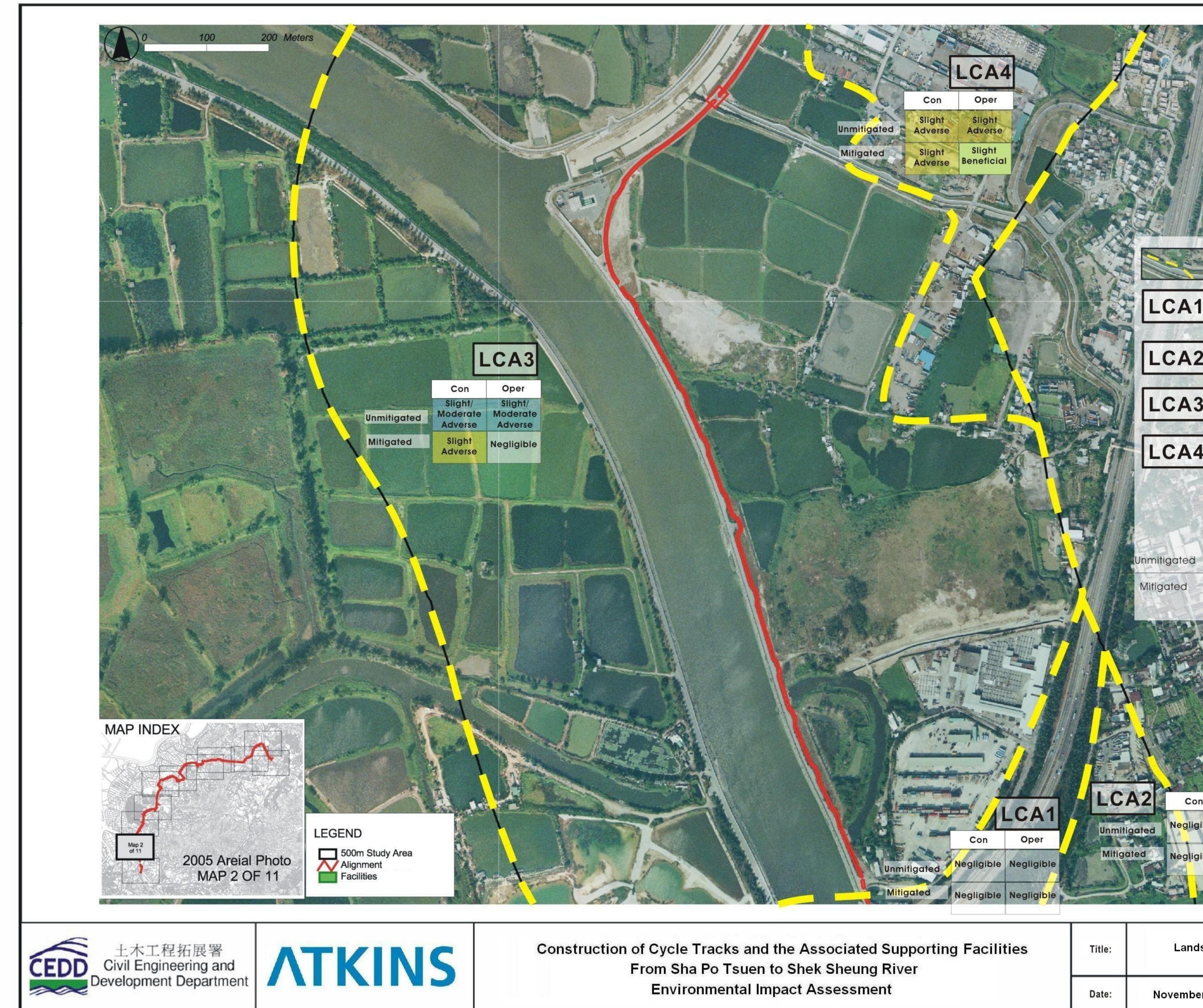




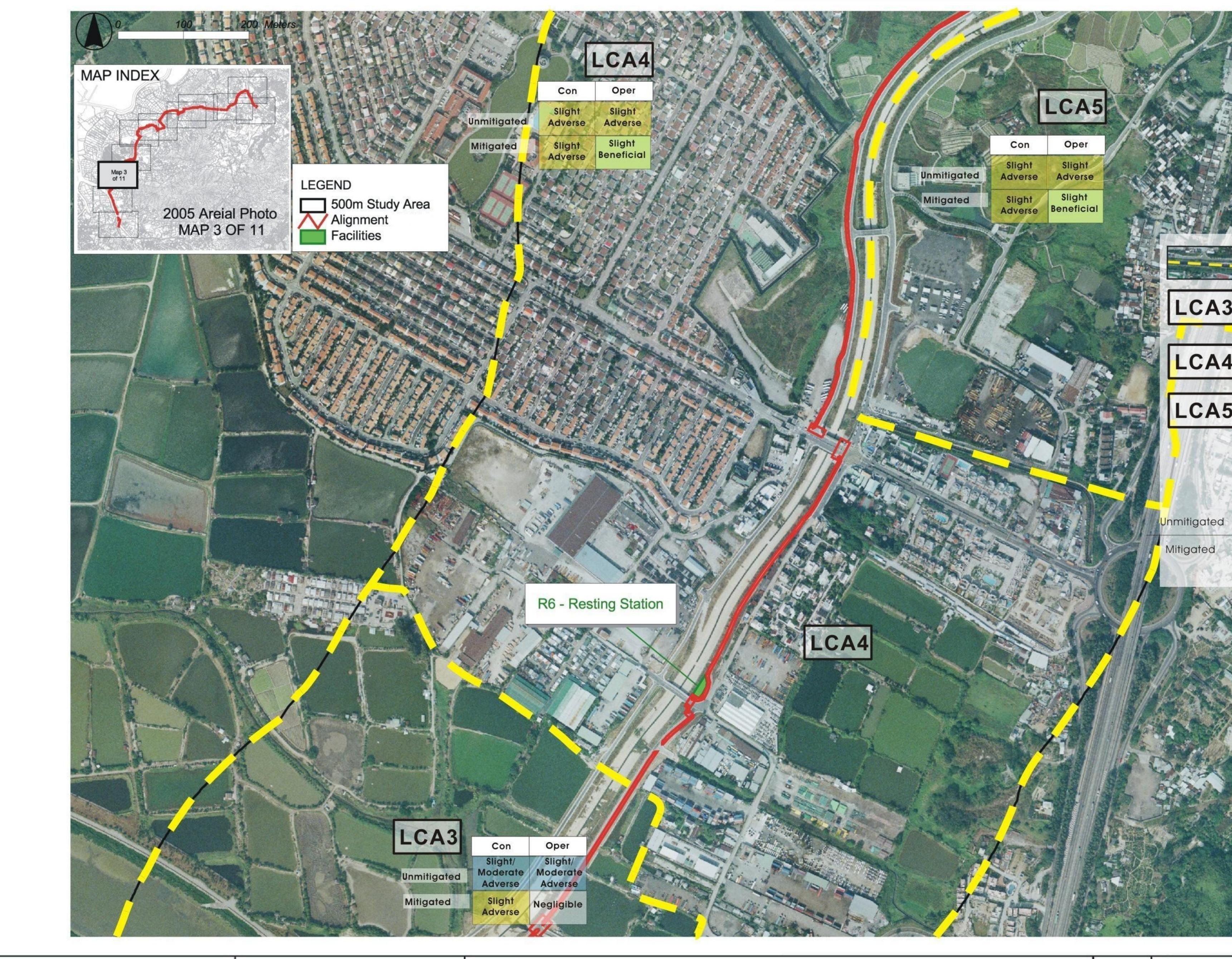


Construction of Cycle Tracks and the As From Sha Po Tsuen to Shel **Environmental Impact A**

<image/>				CABounda	P Y SAM	
LCCA2 Con Oper Unmitigated Negligible Negligible Mitigated Negligible Negligible			LCA2	Yuen Long a Lung Infrast Landscape Sha Po Tsue Rural Lands Kam Tin Landscape In	en Lowland cape Riverside	
			Unmitigated Mitigated	Construction Slight Adverse Slight Beneficial	Operation Slight/ Moderate Adverse	
	MAP INDEX					
		2005 Arei MAP 1	al Photo	LEGEND 500m S Alignme Facilitie		
Associated Supporting Facili ek Sheung River Assessment	ties	Title: Date:	Landso	(1 c	er Areas and In of 11) Figure	npacts 12-4A



<complex-block></complex-block>			Sha Po Ts Rural Land Kam Tin R Landscap Fairview P Extensive	g and Tsing astructure e uen Lowlan dscape iverside e Park Low-rise al Landscap	d
		Unmitigated Mitigated	Construction Slight Adverse Slight Beneficial	on Operation Slight/ Moderat Adverse	e
<complex-block> Image: All all all all all all all all all all</complex-block>		gated Negligib	Oper ble		
e Associated Supporting Facilities Shek Sheung River ct Assessment	Title: Date:	Lands	(cter Areas a 2 of 11) Figure	nd Impacts 12-4B
	Date:	November	2008	Igure	12-4D





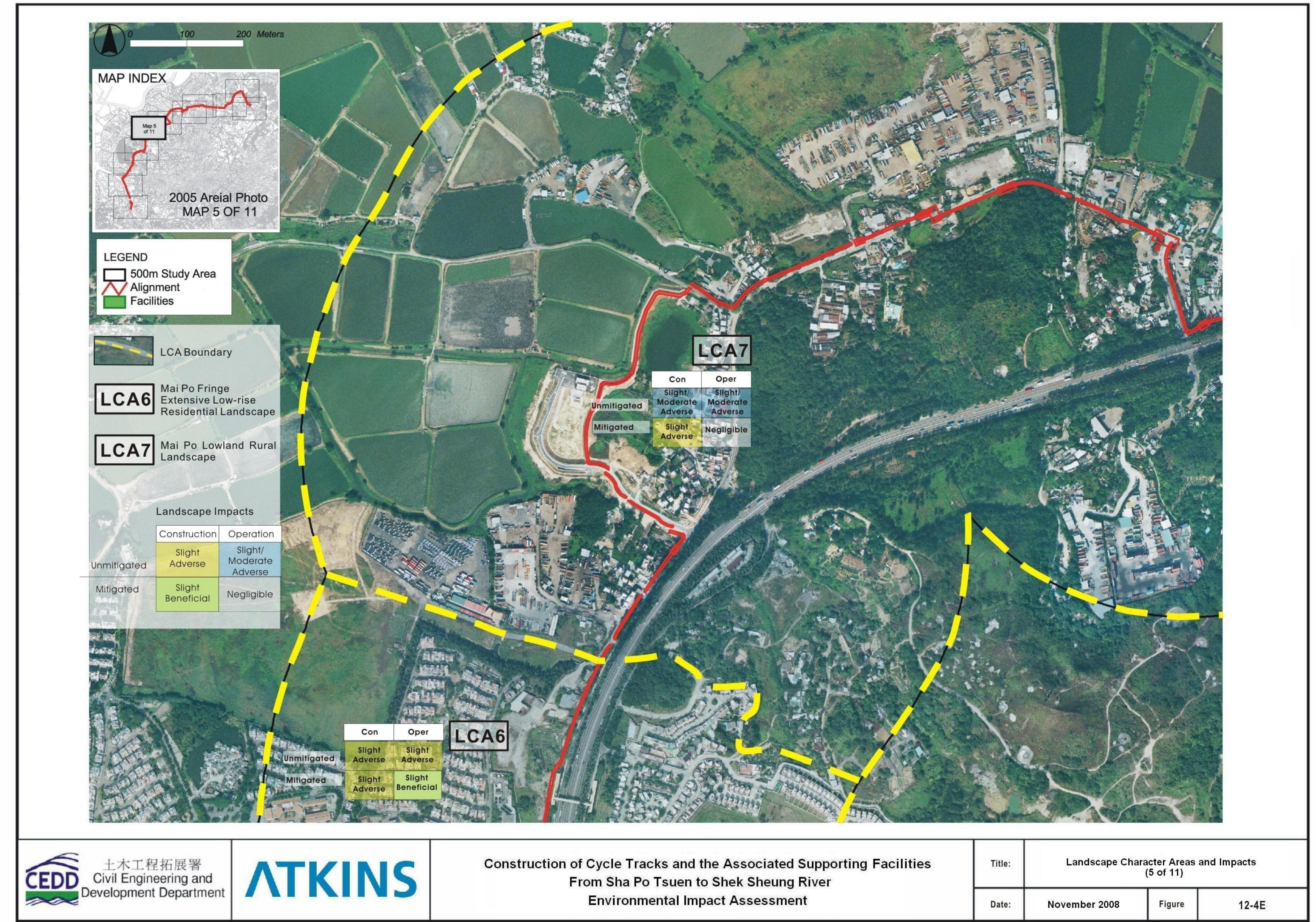


Construction of Cycle Tracks and the From Sha Po Tsuen to S **Environmental Impac**

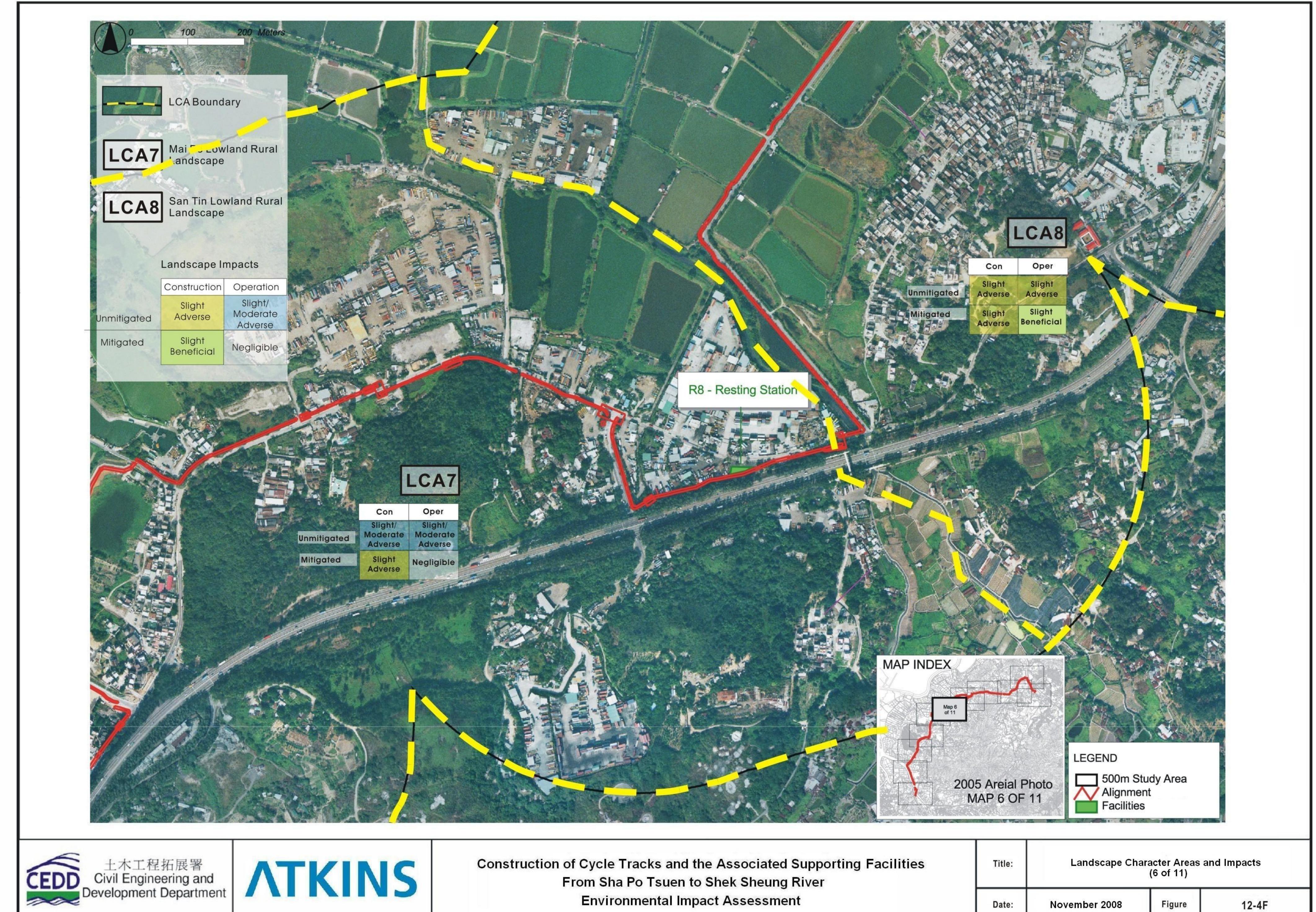
<complex-block> Provide a second sec</complex-block>					
example of the second secon	Con Oper Unmitigated Slight Slight Mitigated Slight Slight			A THE GO	
e Associated Supporting Facilities Shek Sheung River Title: Landscape Character Areas and Impacts (3 of 11)		LCA4	Fairview Pa Extensive L Residential Tam Mei Lo Landscape	ark ow-rise Landscape	4
Shek Sheung River	LCA4	Unmitigated	Slight Adverse Slight	Slight/ Moderate Adverse	
Shek Sheung River					
	Shek Sheung River		;) 	3 of 11)	.23



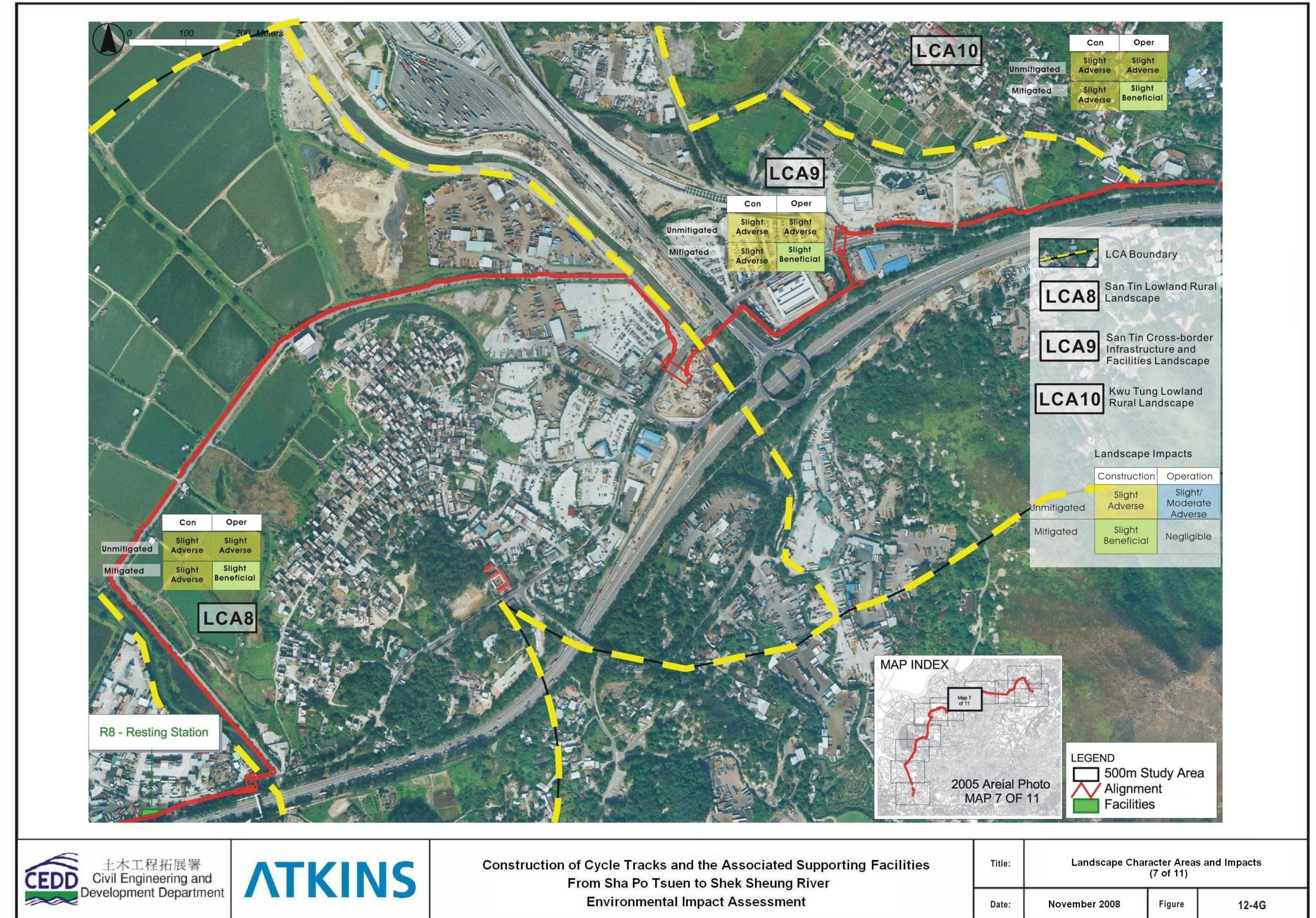
Associated Supporting Facilities ek Sheung River	Title:	Landso	
Assessment	Date:	November	



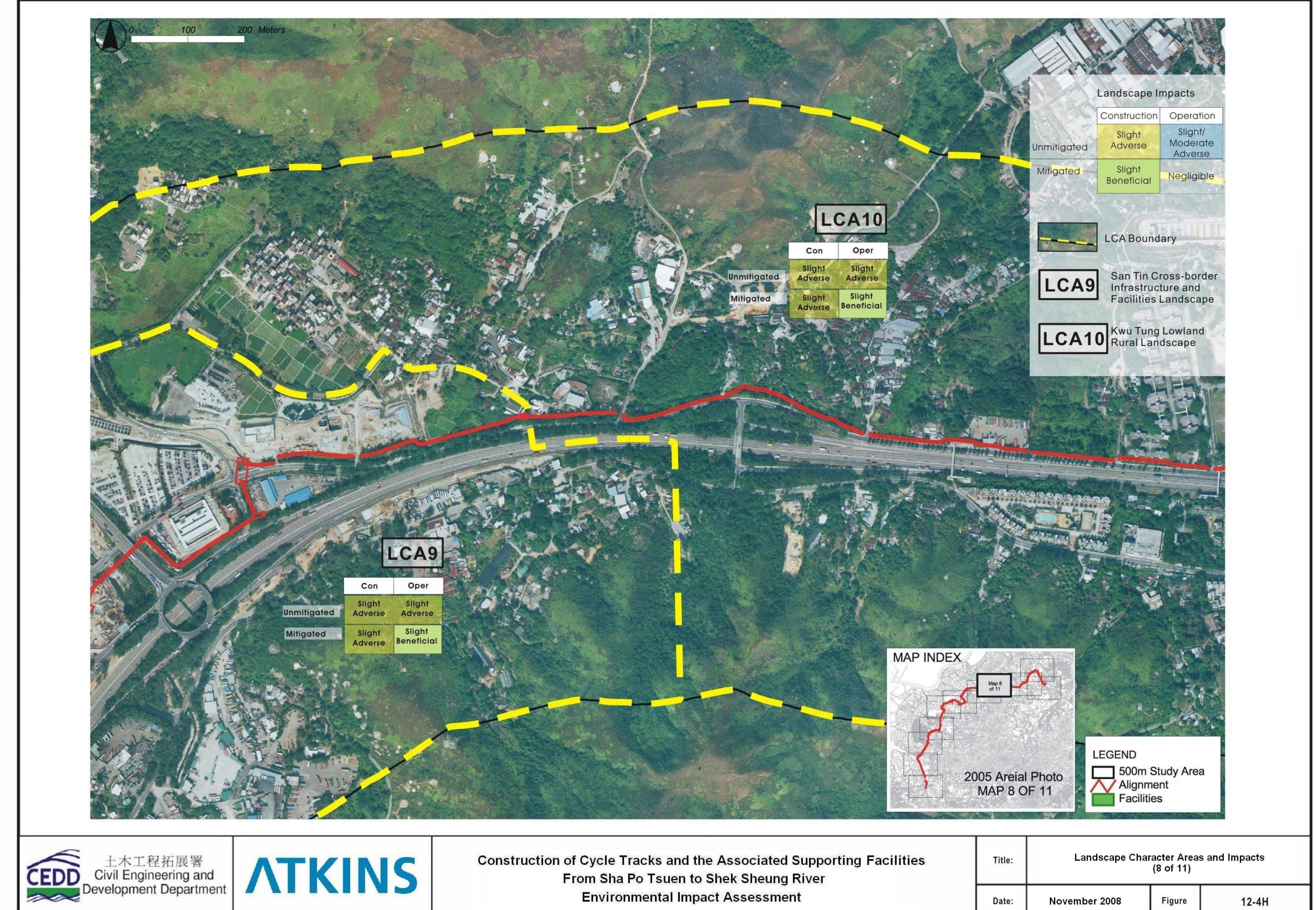
Associated Supporting Facilities hek Sheung River	Title:	Landso
t Assessment	Date:	November



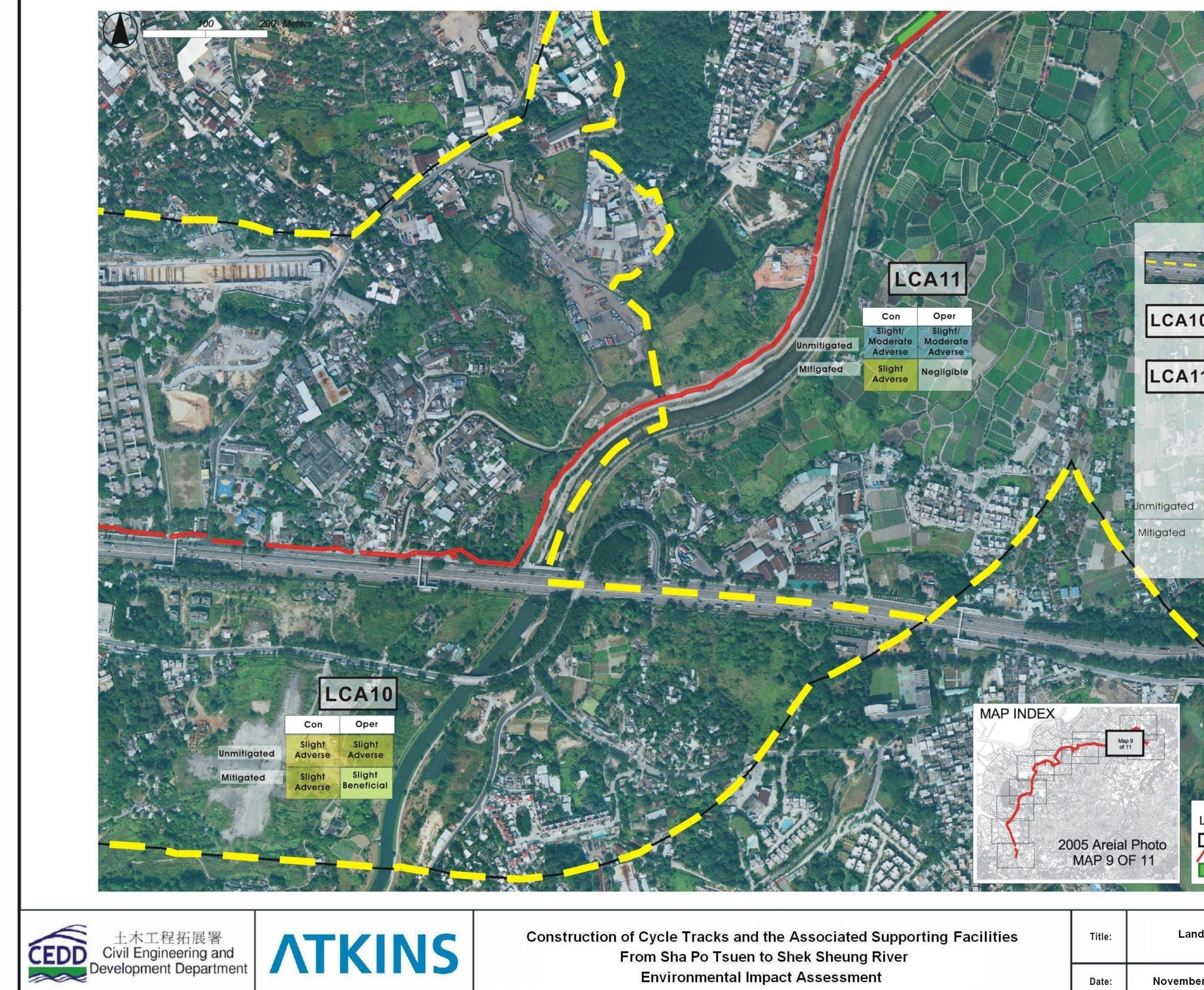
ssociated Supporting Facilities ek Sheung River	Title:	Landso
Assessment	Date:	November 2



Associated Supporting Facilities lek Sheung River	Title:	Lands	
t Assessment	Date:	November	



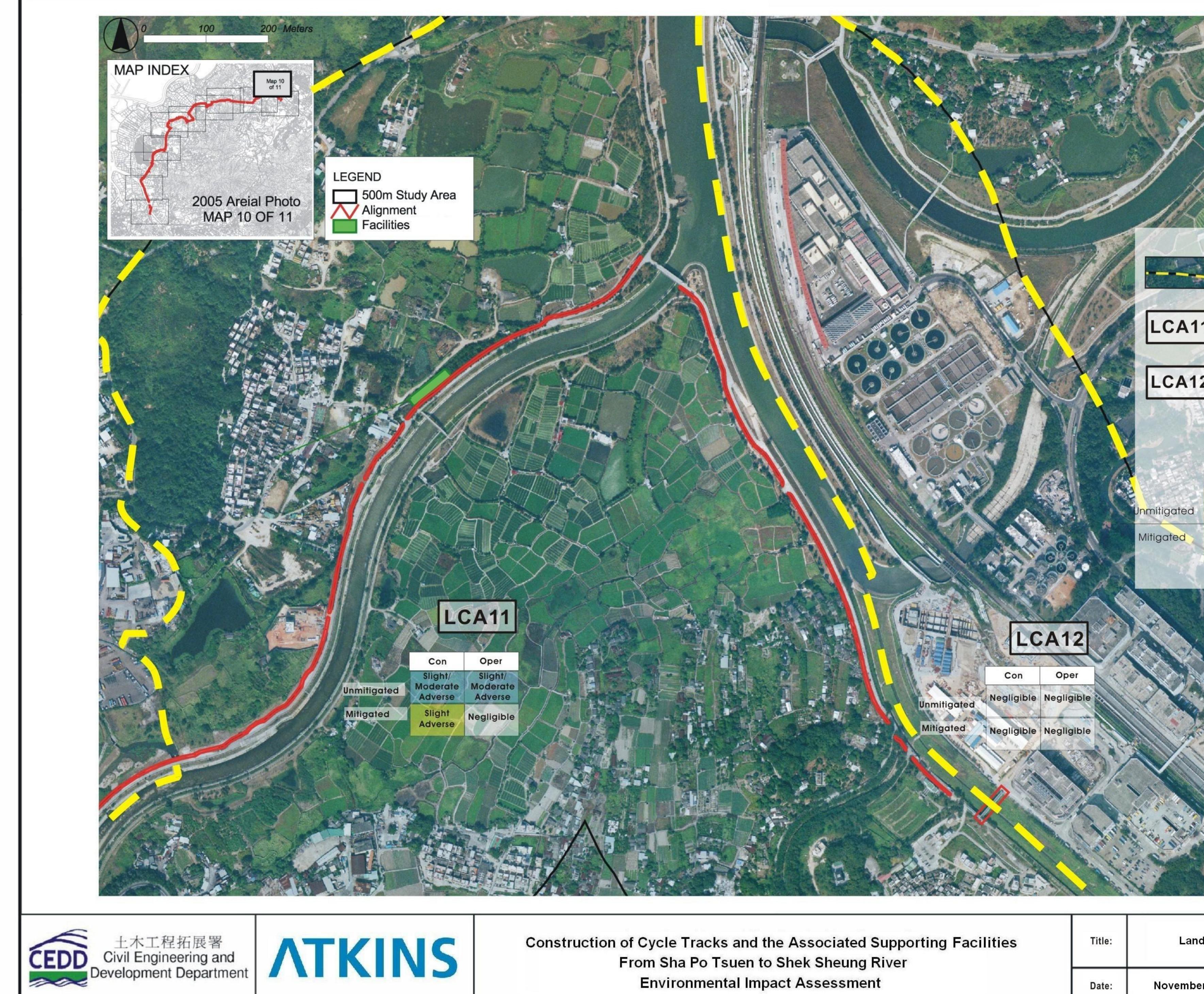
sociated Supporting Facilities k Sheung River	Title:	Lands
Assessment	Date:	November 2





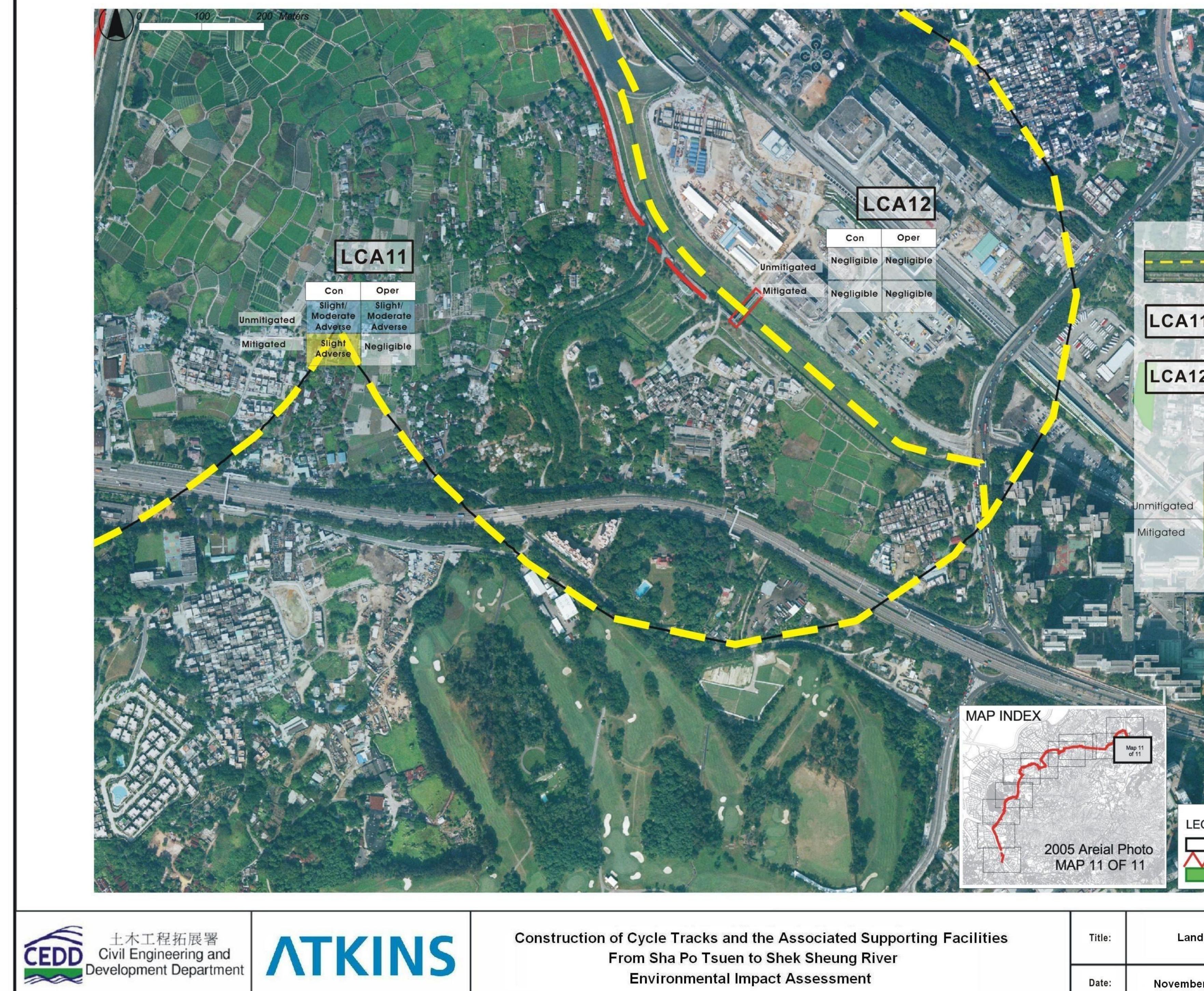
Environmental Impact A

LCA11 LCA Umitigated Mitigated		-1 -1	undary ng Lowland andscape	
		Lowland Lowland Landscape Construction Slight Adverse Mitigated Slight Beneficia	d Rural ape Impacts on Operation Slight/ Moderate Adverse	
MAP INDEX				
	005 Areial MAP 9 OF	Photo		
Associated Supporting Facilities	Title:	Landscape Char	acter Areas and Impa (9 of 11)	acts
ek Sheung River	\vdash			



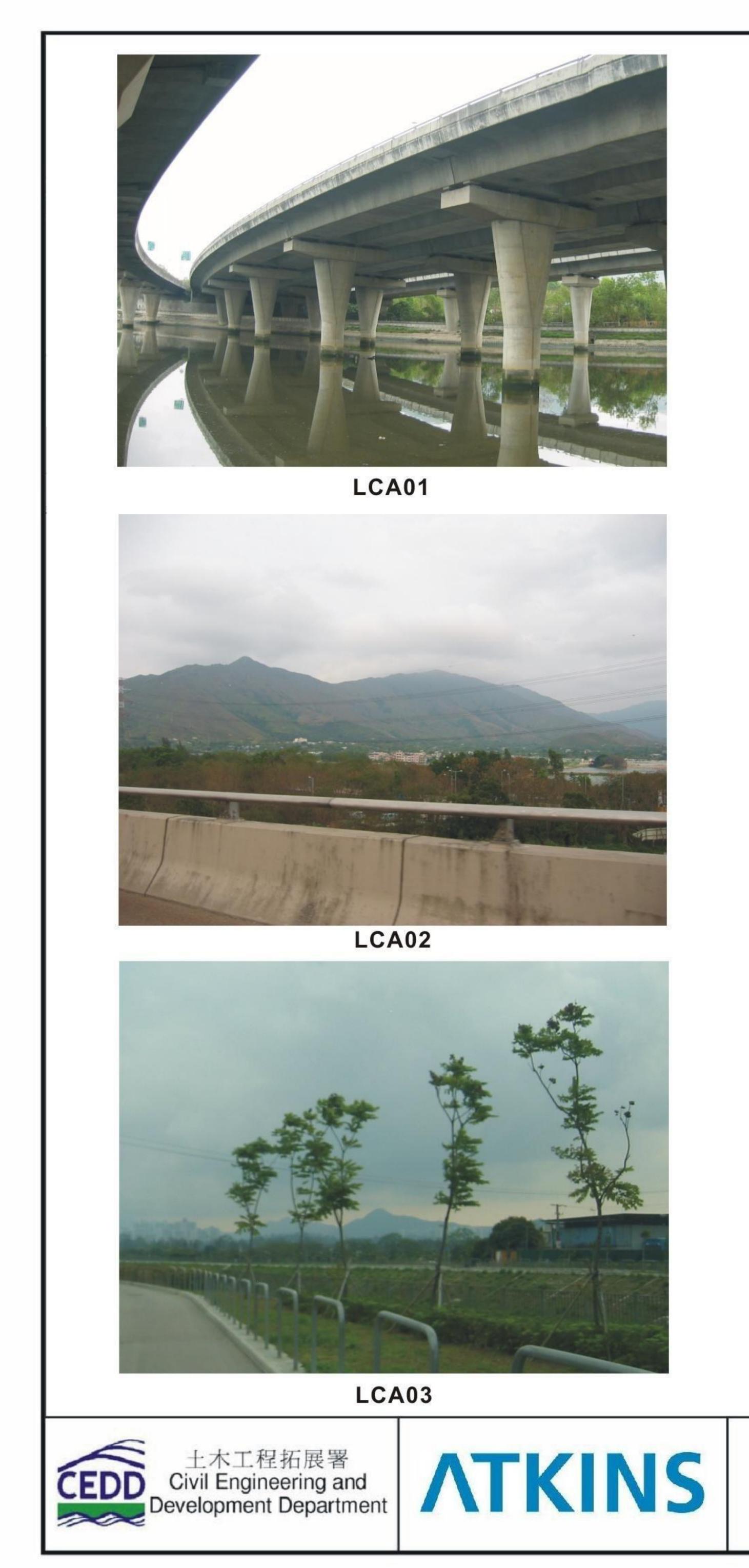
Environmental Impact A

			LCA Bound		
			Long Valle Sheung H Lowland F Landscap	e	
		LCA12	Sheung S Industrial	hui West Landscape	
			Landscape li	npacts	
11 1 2 2 2 2 1 / 2 2			Construction	Operation Slight/	
		Unmitigated	Slight Adverse	Moderate Adverse	
		Mitigated	Slight Beneficial	Negligible	
LCA1 Con Op					
Unmitigated Con Op Negligible Negligible	200 1 30				
Mitigated Negligible Neglig	gible				
				A ANT	
	1	AND STATES AND	ELYS	Se Se hora	
sociated Supporting Facilities	Title:	Land	scape Charac	ter Areas and I of 11)	mpacts



sociated Supporting Facilities Sheung River	Title:	Lands
ssessment	Date:	November

LCA Bou Long Val Sheung Lowland Landsca	lley and H Heung Rural		
Sheung	Shui Wes	t	
Industria	al Landsca	ape	
Landscape			
Construction Slight	n Operat		
Adverse	Moder Adver	ate	
Slight Beneficial	Negligi	ble	
GEND S00m Study Area Aignment Facilities			
	acter Areas 11 of 11)	and Impacts	
er 2008	Figure	12-4K	









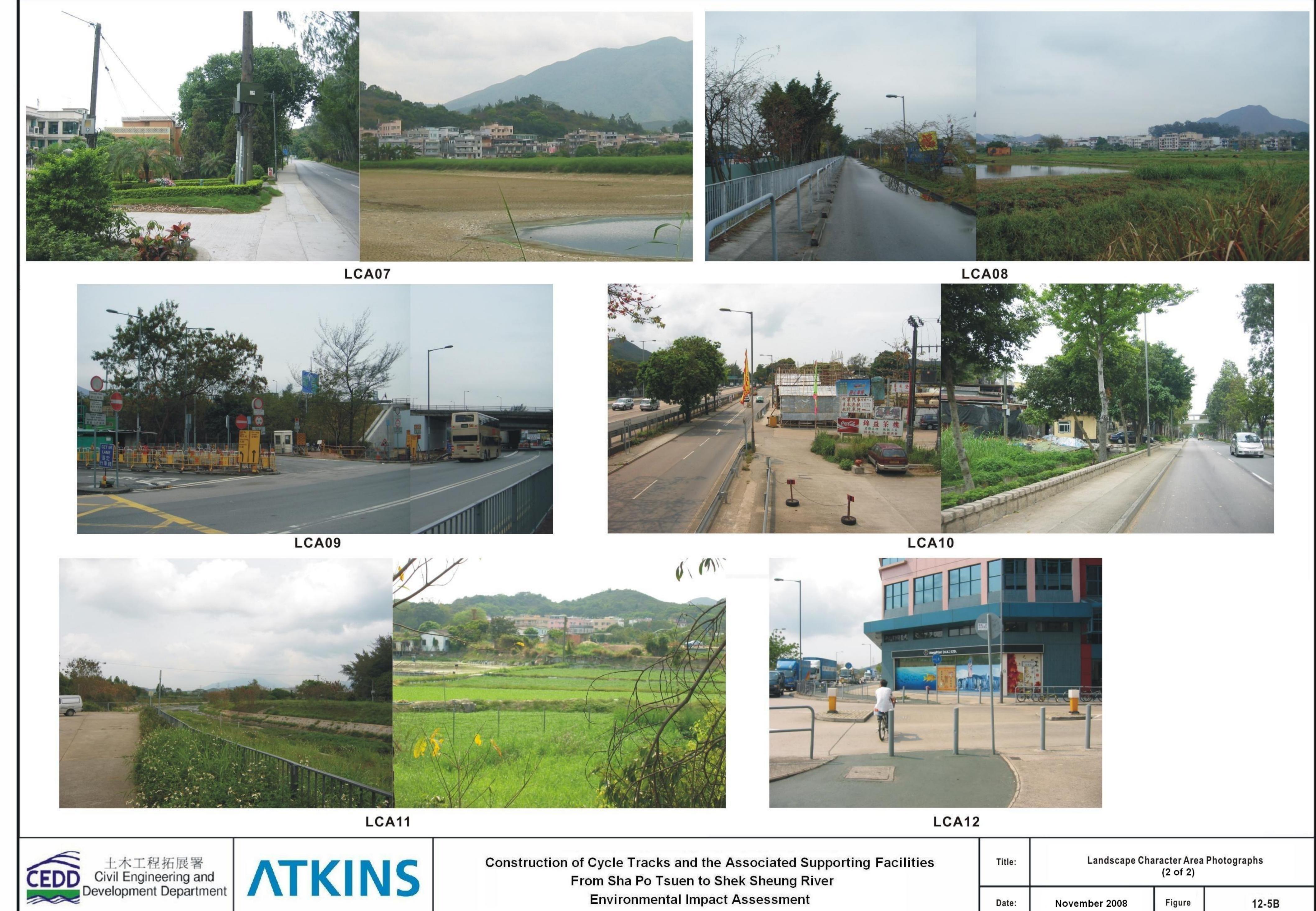
Construction of Cycle Tracks and the Ass From Sha Po Tsuen to Shek Environmental Impact As LCA04

LCA05

LCA06

ssociated Supporting Facilities k Sheung River	Title:	Lan
ssessment	Date:	November





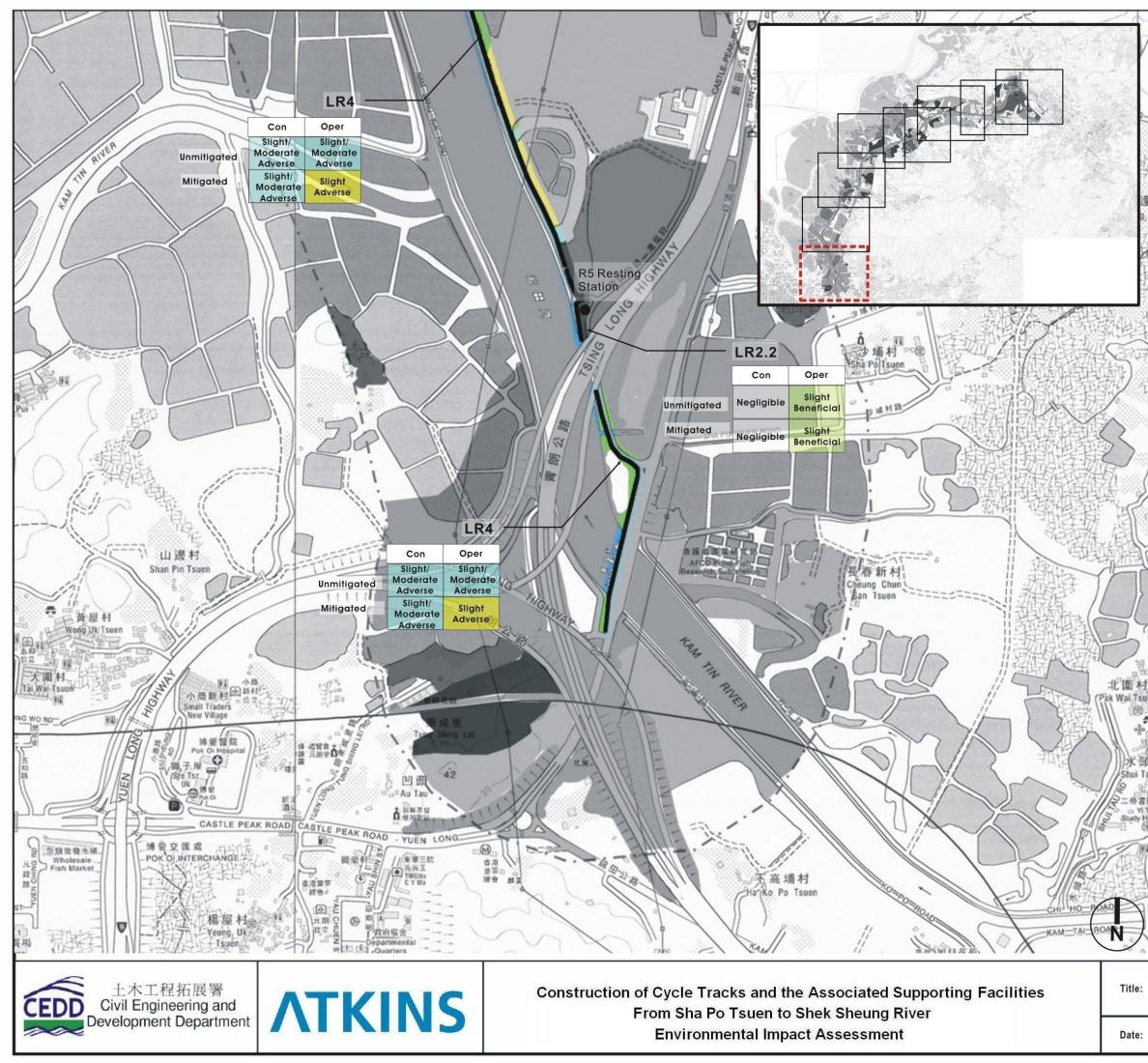


From Sha Po Tsuen to Sh **Environmental Impact**

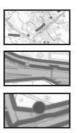
Associated Supporting Facilities hek Sheung River	Title:	Lan	
t Assessment	Date:	November	

(2 of 2)

er 2008





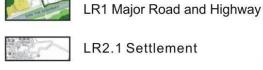


Study Area

Proposed Cycle Track Alignment

Proposed Supporting Facilities

Landscape Resources

















LR3 Mixed Woodland

LR2.2 Open Storage

- LR4 Plantation
- LR5 Grassland/Shrubland Mosaic
- LR6 Agricultural Field
- LR7 Fishpond
- LR8 Modified Watercourse
- LR9 Wetland

Landscape Impacts

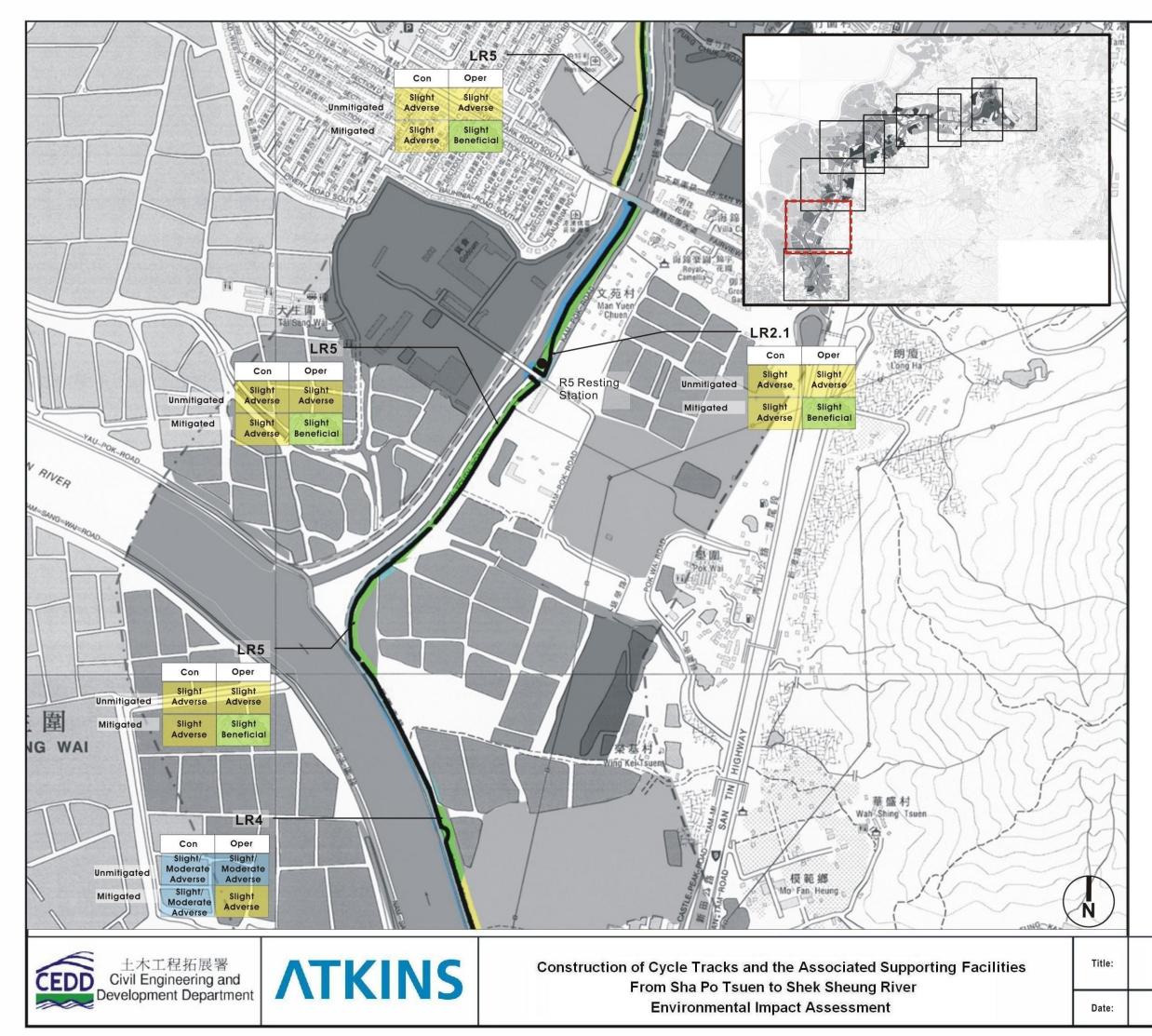
	Construction	Operation
Unmitigated	Slight Adverse	Slight/ Moderate Adverse
Mitigated	Slight Beneficial	Negligible

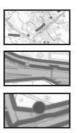
Notes: The Colored Area is indicative only to represent the affected areas of identified LRs.

_		100	
0	200	400	800M
	Imnac	ts on Landscape	Resources

Landscape Resources impacts o (1 of 8)

ite:	November 2008	Figure	12-6A	1



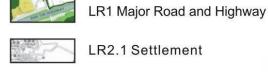


Study Area

Proposed Cycle Track Alignment

Proposed Supporting Facilities

Landscape Resources

















LR3 Mixed Woodland

LR2.2 Open Storage

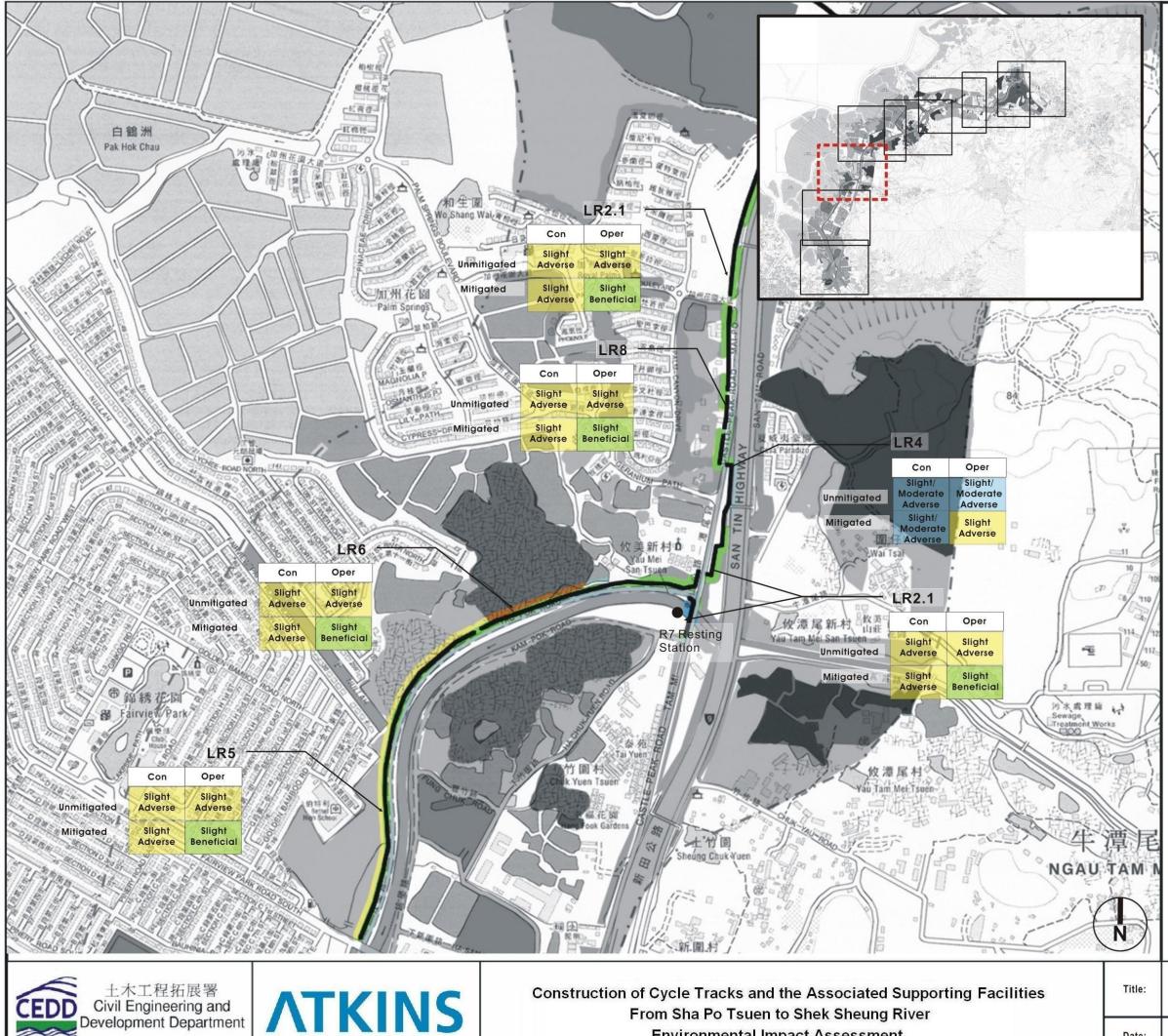
- LR4 Plantation
- LR5 Grassland/Shrubland Mosaic
- LR6 Agricultural Field
- LR7 Fishpond
- LR8 Modified Watercourse
- LR9 Wetland

Landscape Impacts

	Construction	Operation
Unmitigated	Slight Adverse	Slight/ Moderate Adverse
Mitigated	Slight Beneficial	Negligible

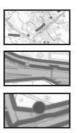
Notes: The Colored Area is indicative only to represent the affected areas of identified LRs.

0 200	400	800M
Impacts	on Landscape Re (2 of 8)	esources
November 2008	Figure	12-6B



Date:

Legend



Study Area

Proposed Cycle Track Alignment

Proposed Supporting Facilities

LR1 Major Road and Highway

Landscape Resources

















LR2.2 Open Storage

LR2.1 Settlement

- LR3 Mixed Woodland
- LR4 Plantation
- LR5 Grassland/Shrubland Mosaic
- LR6 Agricultural Field
- LR7 Fishpond
- LR8 Modified Watercourse
- LR9 Wetland

Landscape Impacts

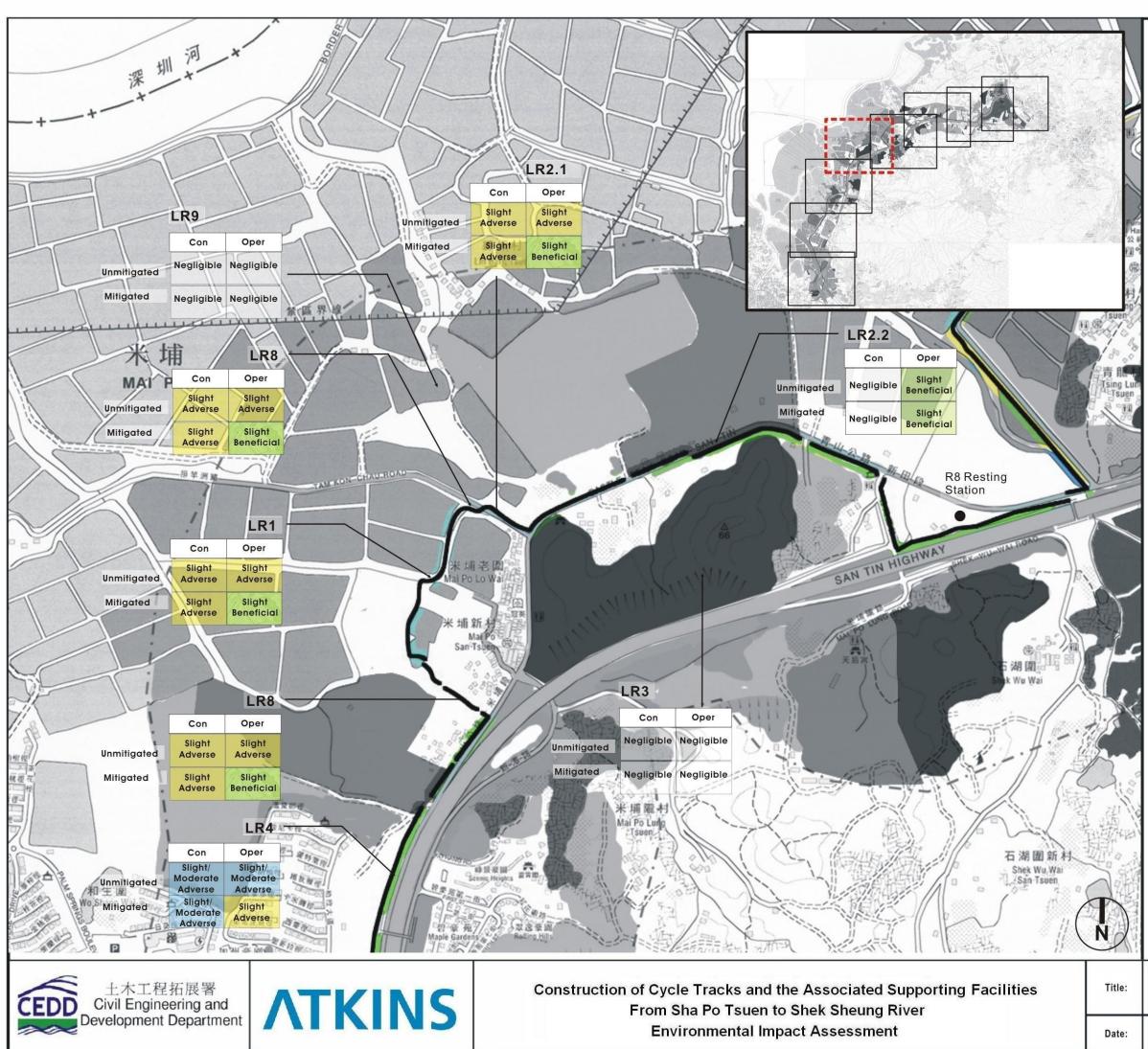
	Construction	Operation
Unmitigated	Slight Adverse	Slight/ Moderate Adverse
Mitigated	Slight Beneficial	Negligible

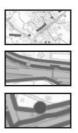
Notes: The Colored Area is indicative only to represent the affected areas of identified LRs.

0	200	400	800M
	Impact	s on Landso (3 of	ape Resources 8)

12-6C

November 2008	Figure	
	8.55	



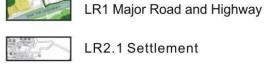


Study Area

Proposed Cycle Track Alignment

Proposed Supporting Facilities

Landscape Resources



















LR2.2 Open Storage

- LR4 Plantation
- LR5 Grassland/Shrubland Mosaic
- LR6 Agricultural Field
- LR7 Fishpond
- LR8 Modified Watercourse
- LR9 Wetland

Landscape Impacts

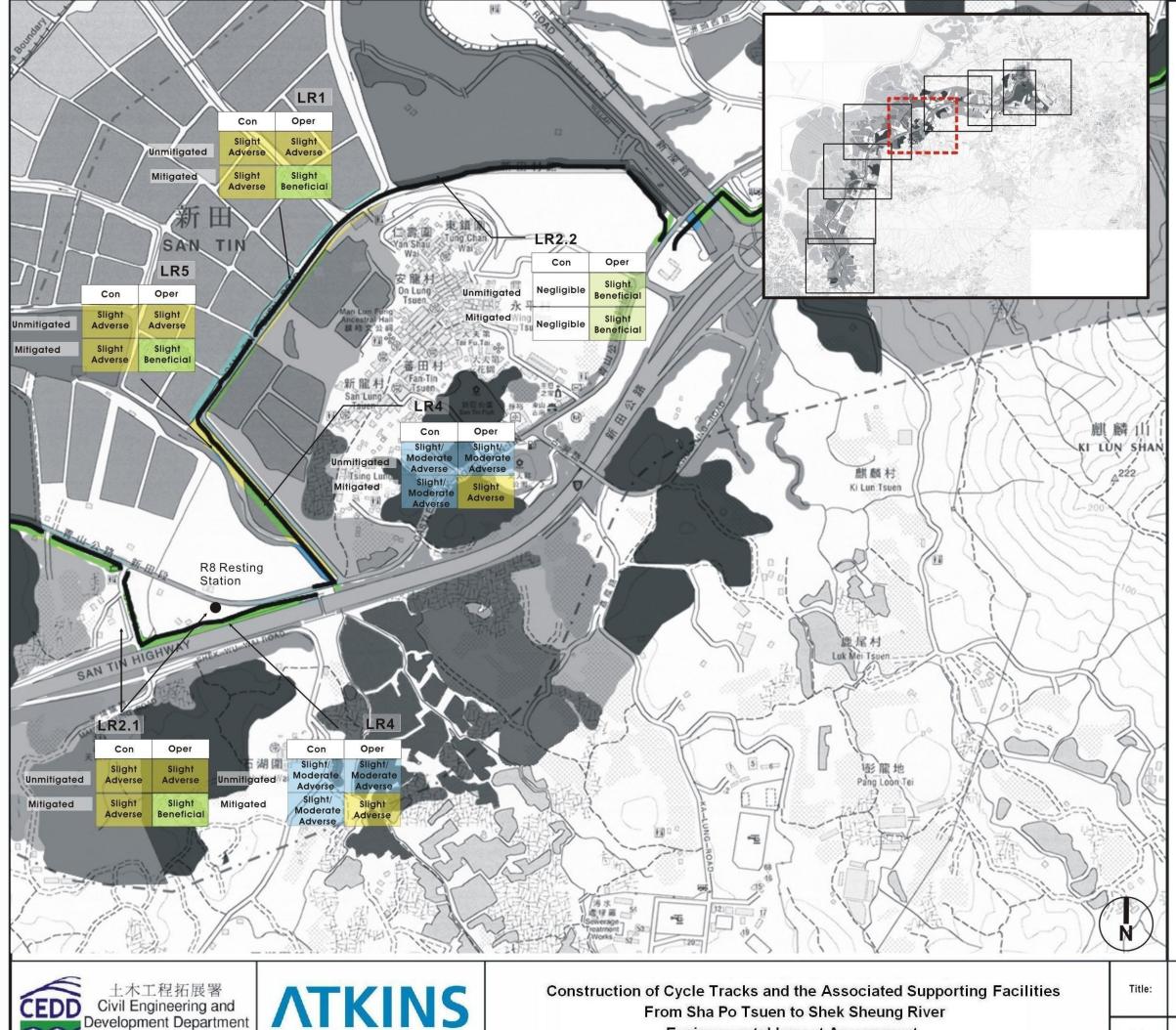
	Construction	Operation
Unmitigated	Slight Adverse	Slight/ Moderate Adverse
Mitigated	Slight Beneficial	Negligible

Notes: The Colored Area is indicative only to represent the affected areas of identified LRs.

0	200	400	800M
	Impac	ts on Landscap	e Resources

(4 of 8)

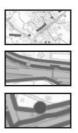
nte:	November 2008	Figure	12-6D	





Construction of Cycle Tracks and the Associated Supporting Facilities From Sha Po Tsuen to Shek Sheung River **Environmental Impact Assessment**

Legend



Study Area

Proposed Cycle Track Alignment

Proposed Supporting Facilities

Landscape Resources







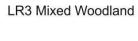












LR2.2 Open Storage

- LR4 Plantation
- LR5 Grassland/Shrubland Mosaic
- LR6 Agricultural Field
- LR7 Fishpond
- LR8 Modified Watercourse
- LR9 Wetland

Landscape Impacts

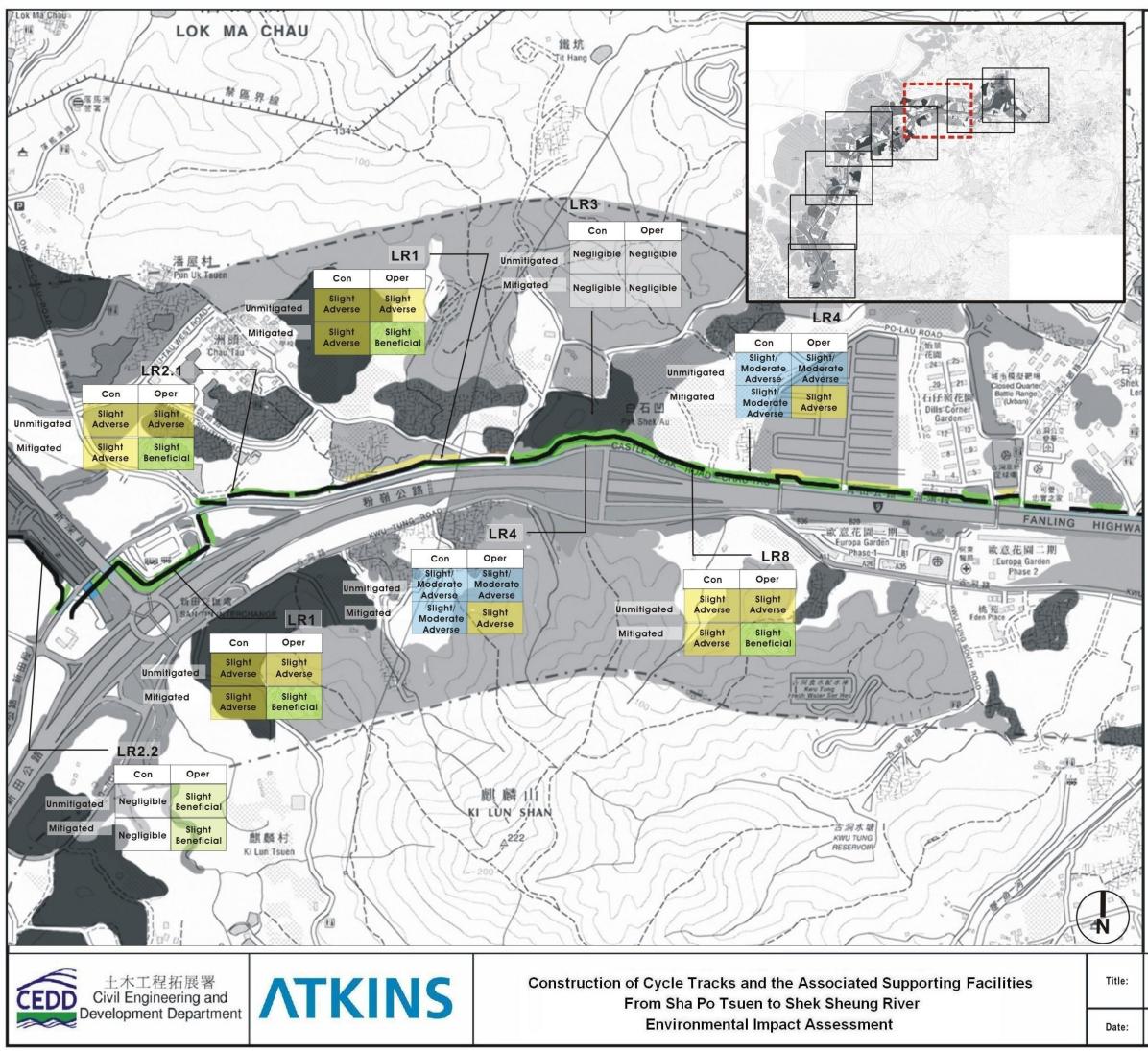
	Construction	Operation
Unmitigated	Slight Adverse	Slight/ Moderate Adverse
Mitigated	Slight Beneficial	Negligible

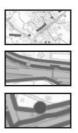
Notes: The Colored Area is indicative only to represent the affected areas of identified LRs.

0	200	400	800M
	Impact	s on Landscape	Resources

(5 of 8)

ite:	November 2008	Figure





Study Area

Proposed Cycle Track Alignment

Proposed Supporting Facilities

LR2.1 Settlement

LR2.2 Open Storage

LR1 Major Road and Highway

Landscape Resources







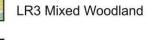












- LR4 Plantation
- LR5 Grassland/Shrubland Mosaic
- LR6 Agricultural Field
- LR7 Fishpond
- LR8 Modified Watercourse
- LR9 Wetland

Landscape Impacts

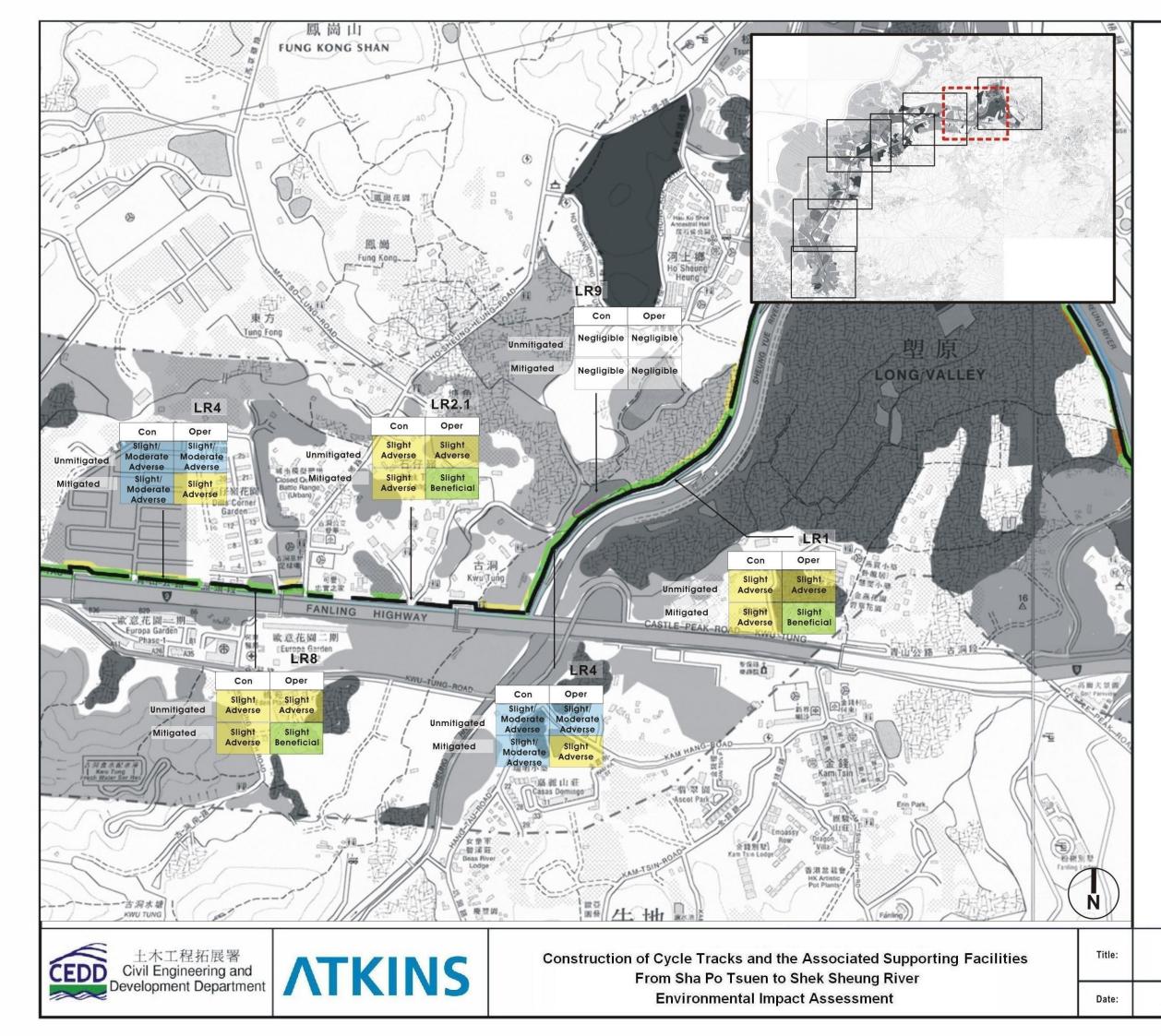
	Construction	Operation
Unmitigated	Slight Adverse	Slight/ Moderate Adverse
Mitigated	Slight Beneficial	Negligible

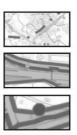
Notes: The Colored Area is indicative only to represent the affected areas of identified LRs.

0 200	400	800M
Impa	ncts on Landsca (6 of 8	

12-6F

ate:	November 2008	Figure	



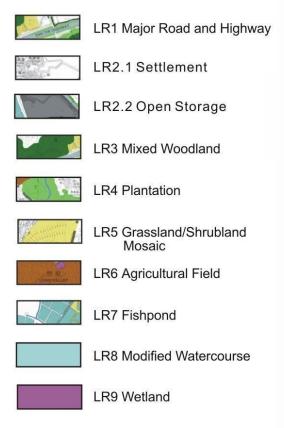


Study Area

Proposed Cycle Track Alignment

Proposed Supporting Facilities

Landscape Resources

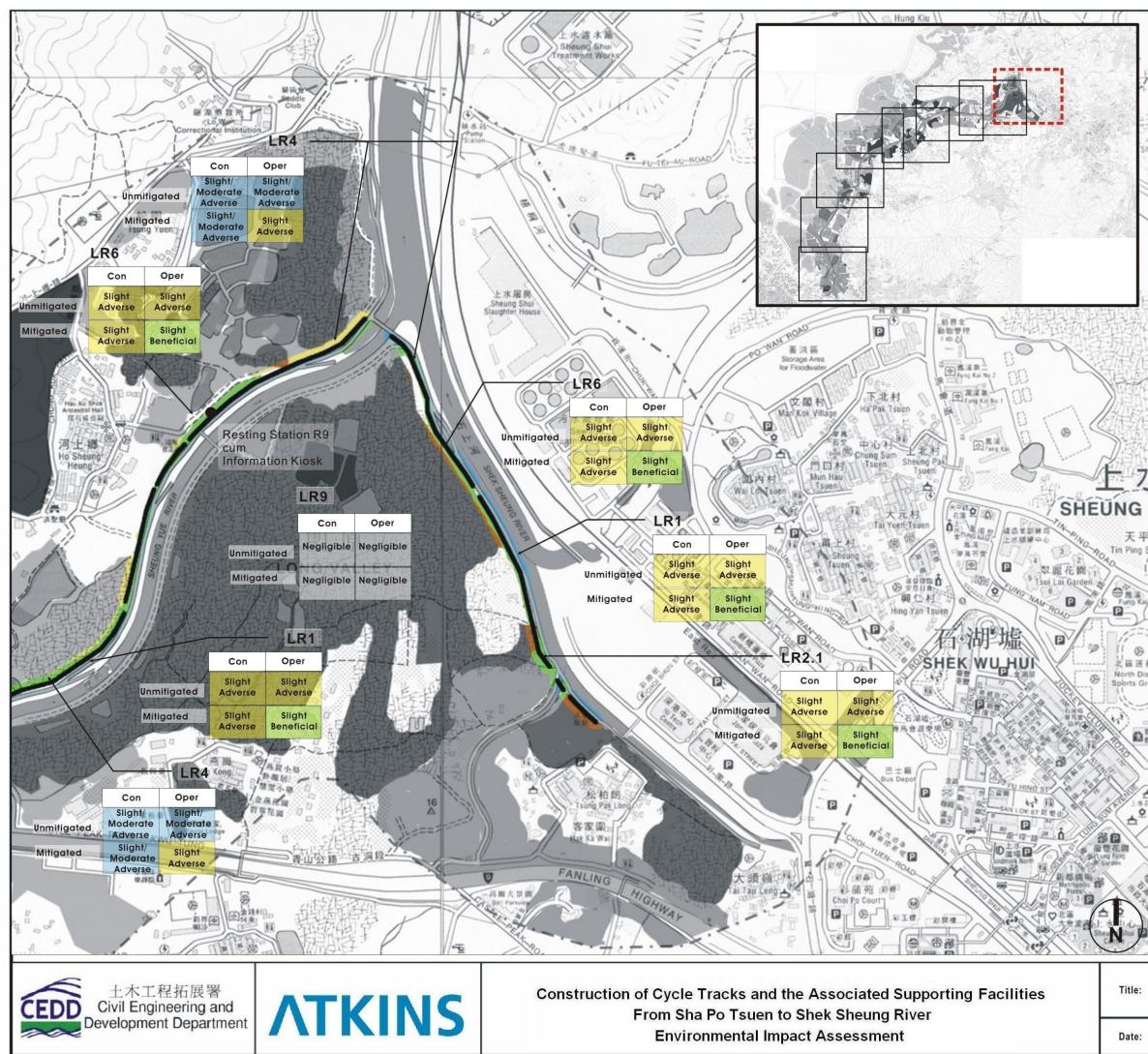


Landscape Impacts

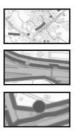
	Construction	Operation
Unmitigated	Slight Adverse	Slight/ Moderate Adverse
Mitigated	Slight Beneficial	Negligible

Notes: The Colored Area is indicative only to represent the affected areas of identified LRs.

	-		
0 200 4	400	800M	
Impacts	on Landscape Ro (7 of 8)	esources	
November 2008	Figure	12-6G	







Study Area

Proposed Cycle Track Alignment

Proposed Supporting Facilities

Landscape Resources



LR7 Fishpond

LR8 Modified Watercourse

LR9 Wetland

Landscape Impacts

	Construction	Operation
Unmitigated	Slight Adverse	Slight/ Moderate Adverse
Mitigated	Slight Beneficial	Negligible

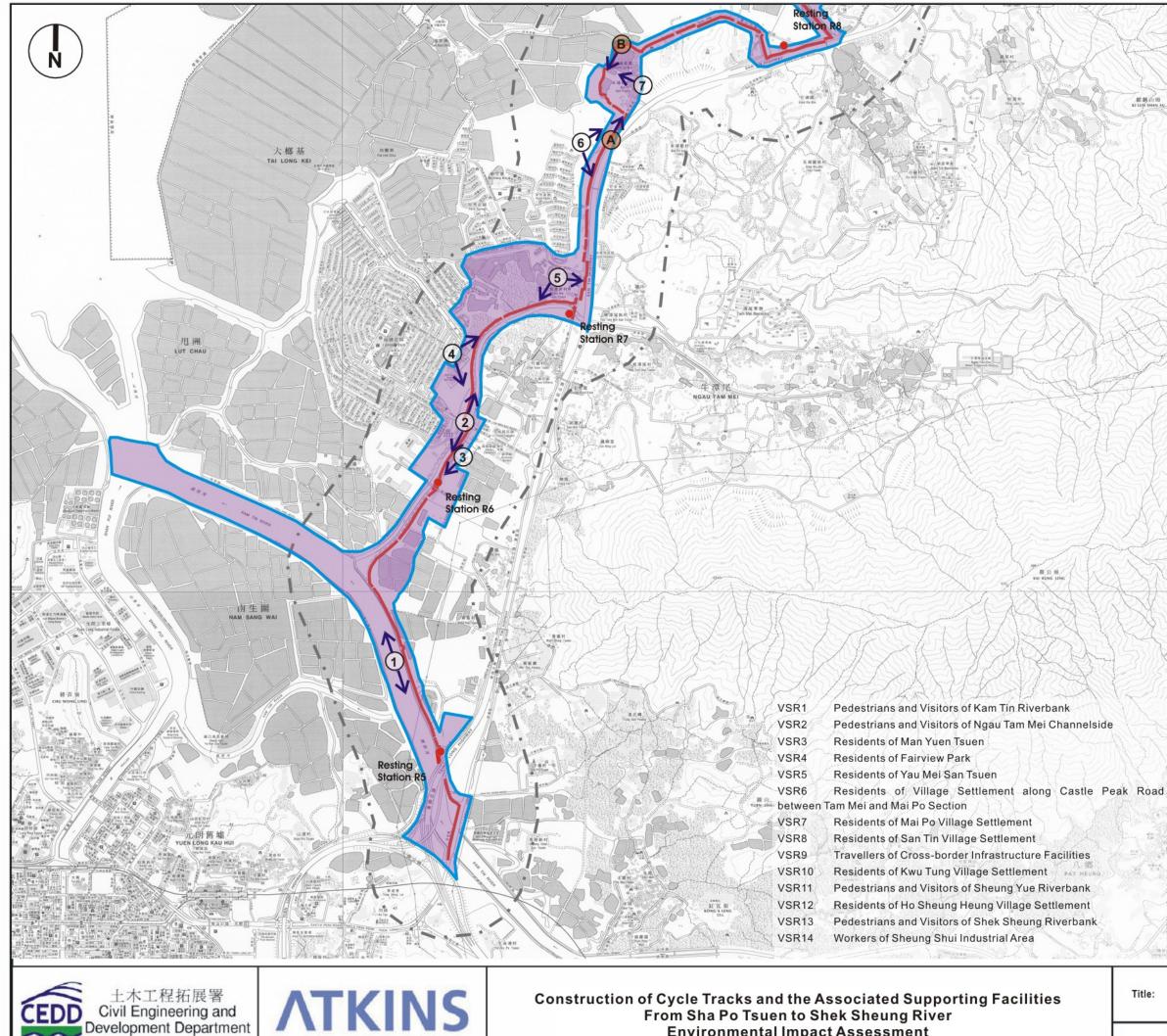
Ô

Notes: The Colored Area is indicative only to represent the affected areas of identified LRs.

0	200	400	800M

Impacts on Landscape Resources (8 of 8)

te:	November 2008	Figure	12-6H	
			200 40000000	_



aa

Date:

Legend



Study Area

Proposed Cycle Track Alignment



Proposed Supporting Facilities



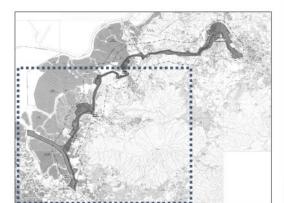
Visual Envelop (the areas from which the development can be seen). ZVI from which it is estimated that most of views likely to be partly obscured by intervening highway structures, drainage works, village settlements or vegetation.



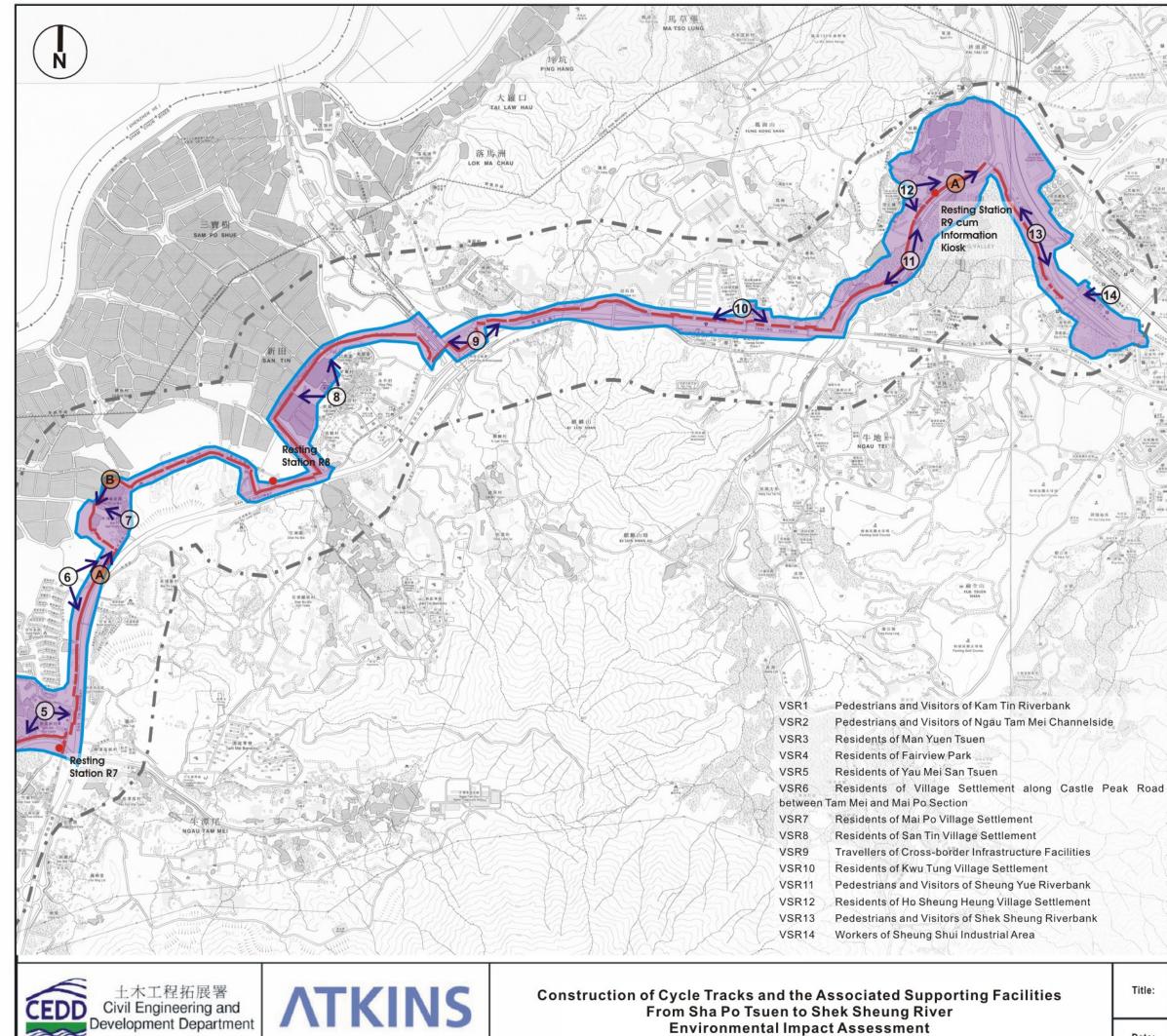
Visually Sensitive Receiver (VSR) and angle of main views



Photomontage Vantage Points



		_
0 200 400	10	M00
Visual Envelope	and Zone of \ (1 of 2)	/isual Influence
December 2008	Figure	12-7A



EDD

aa

Environmental Impact Assessment

Da



Legend



Study Area

Proposed Cycle Track Alignment



Proposed Supporting Facilities



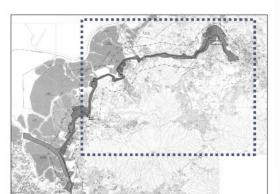
Visual Envelop (the areas from which the development can be seen). ZVI from which it is estimated that most of views likely to be partly obscured by intervening highway structures, drainage works, village settlements or vegetation.



Visually Sensitive Receiver (VSR) and angle of main views



Photomontage Vantage Points



0 200 400 1000	M
Visual Envelope and Zone of Visua (2 of 2)	I Influence

)ate:	December 2008	Figure	12-7B
-------	---------------	--------	-------



Associated Supporting Facilities ek Sheung River	Title:	Visual Conte
Assessment	Date:	November 2008



VSR8



VSR10









VSR8

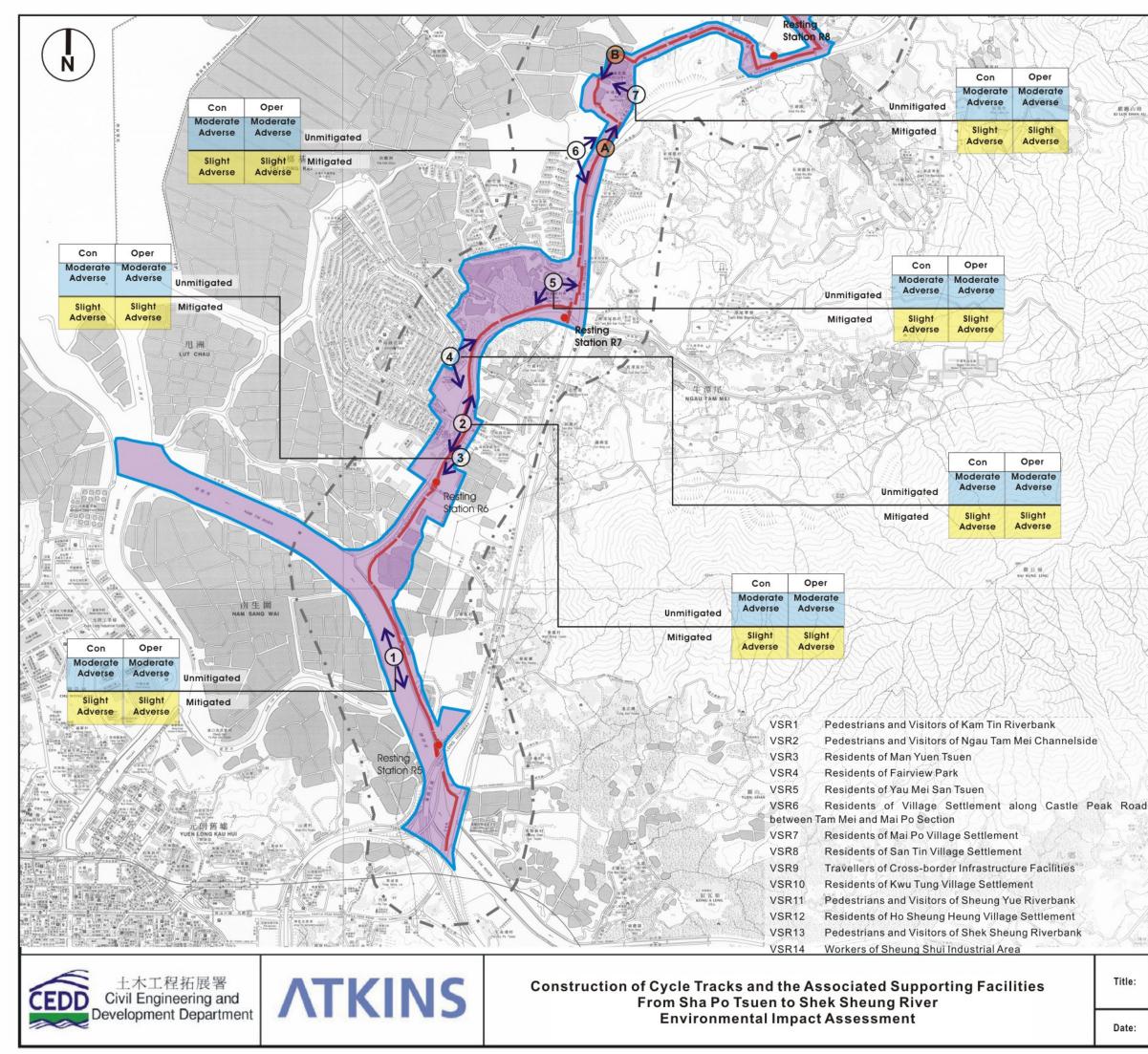
VSR10

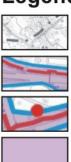
Construction of Cycle Tracks and the As From Sha Po Tsuen to She Environmental Impact

VSR9

VSR11

Associated Supporting Facilities nek Sheung River	Title:	Visual Context of Visual Sensitive Receivers (2 of 2)		
Assessment	Date:	November 2008	Figure	12-7D





Study Area

Proposed Cycle Track Alignment

Proposed Supporting Facilities

Visual Envelop (the areas from which the development can be seen). ZVI from which it is estimated that most of views likely to be partly obscured by intervening highway structures, drainage works, village settlements or vegetation.



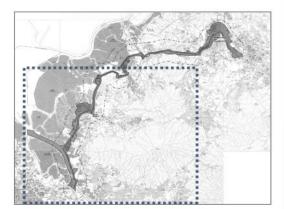
Visually Sensitive Receiver (VSR) and angle of main views



Photomontage Vantage Points

Visual Impacts

	Construction	Operation
Unmitigated	Slight Adverse	Moderate Adverse
Mitigated	Slight Adverse	Negligible



Notes

1. Zone of Visual Influence refers to Figure 12-7A and 7B.

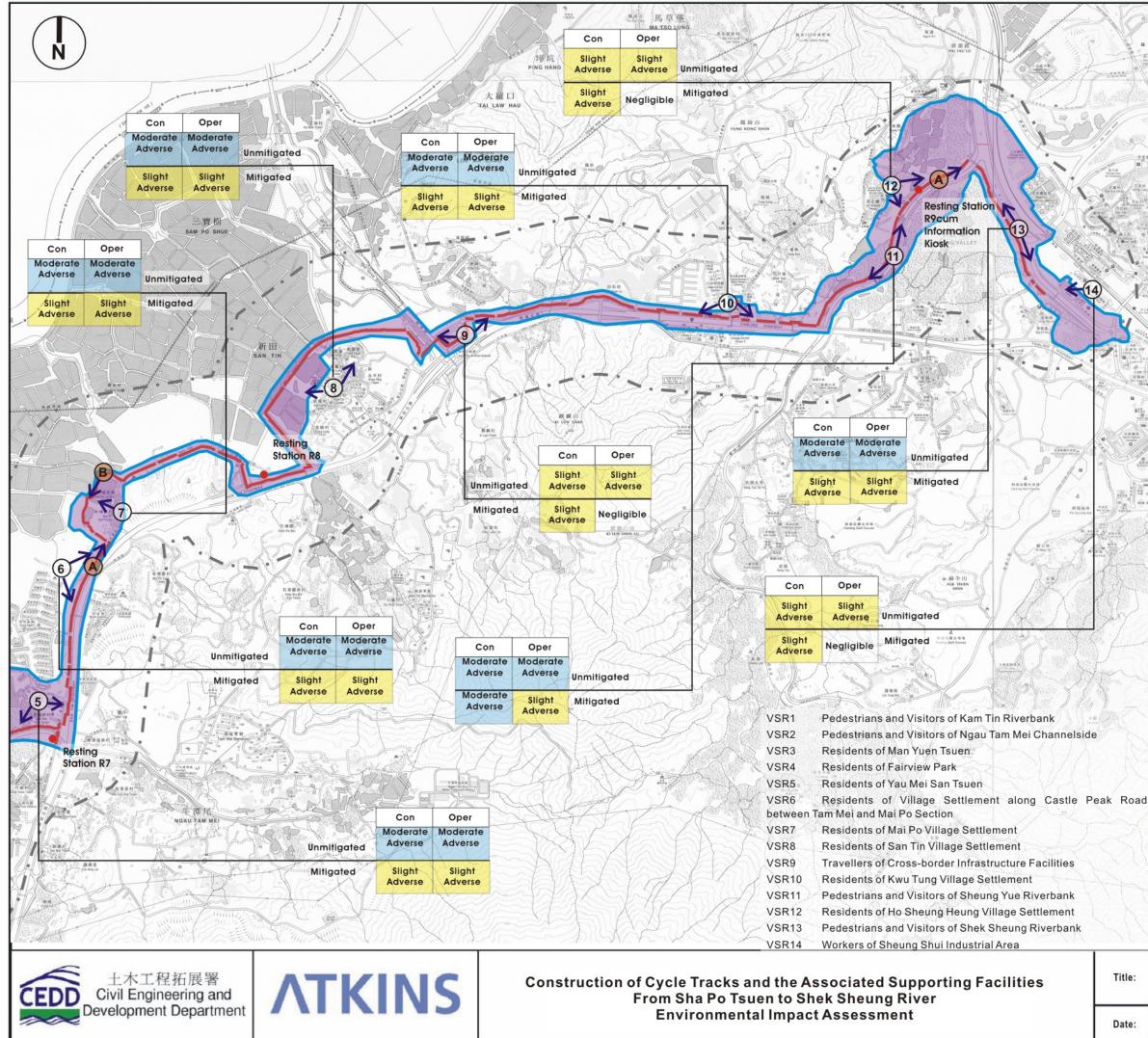
2. Visual Impact Assessment refers to Table 12-10 in this report.

3. Recommended landscape mitigation measures refers Section 12.10 in the report and Figure 12-9A to 9G.

_		
0	200	400

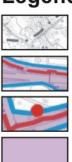
1000M

Visual Impacts (1 of 2)



Date:





Study Area

Proposed Cycle Track Alignment

Proposed Supporting Facilities

Visual Envelop (the areas from which the development can be seen). ZVI from which it is estimated that most of views likely to be partly obscured by intervening highway structures, drainage works, village settlements or vegetation.



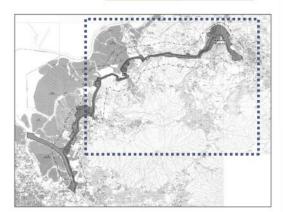
Visually Sensitive Receiver (VSR) and angle of main views



Photomontage Vantage Points

Visual Impacts

	Construction	Operation
Unmitigated	Slight Adverse	Moderate Adverse
Mitigated	Slight Adverse	Negligible



Notes 1. Zone of Visual Influence refers to Figure 12-7A and 7B.

2. Visual Impact Assessment refers to Table 12-10 in this report.

3. Recommended landscape mitigation measures refers Section 12.10 in the report and Figure 12-9A to 9G.



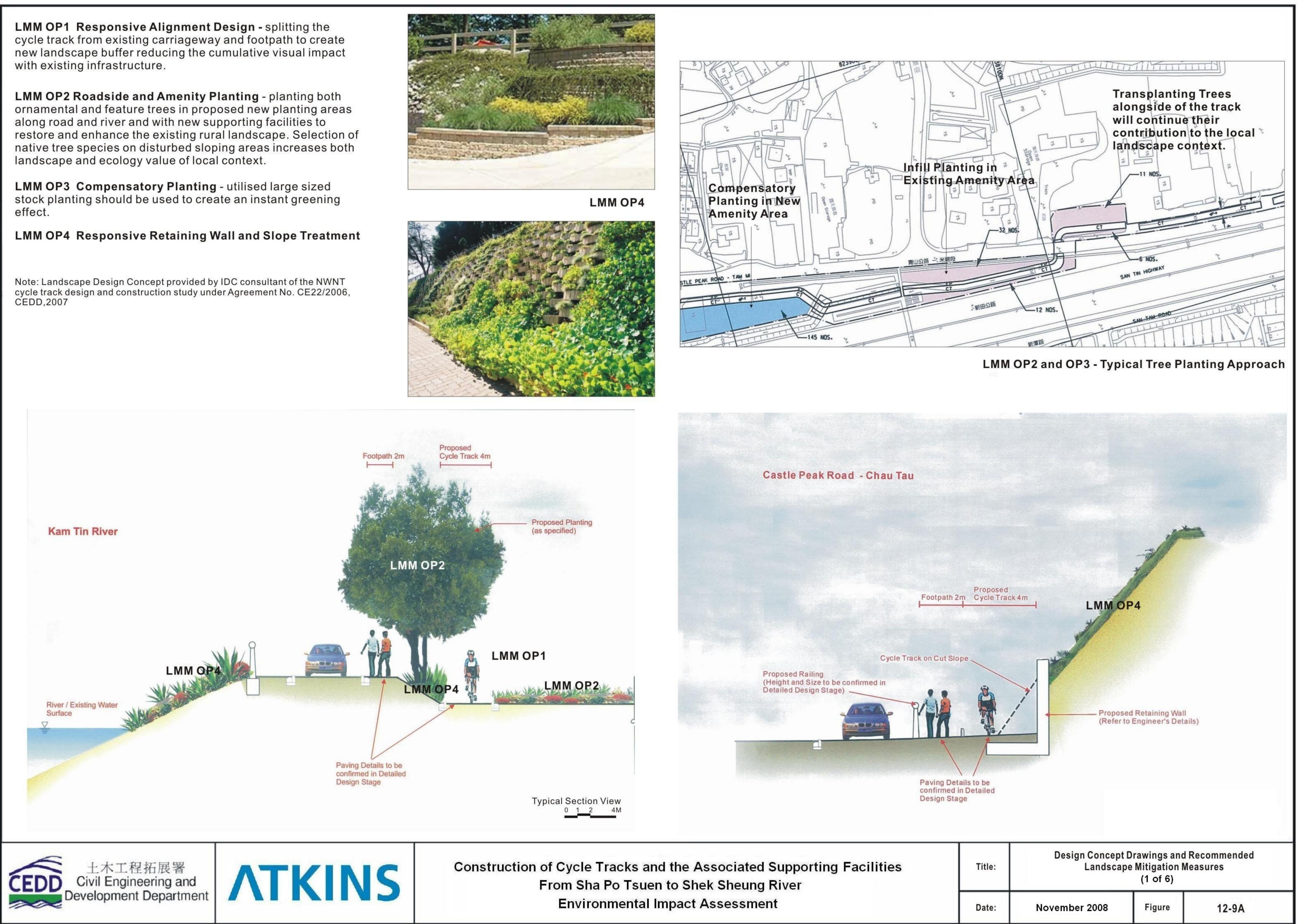
1000M

Visual Impacts (2 of 2)

December 2008

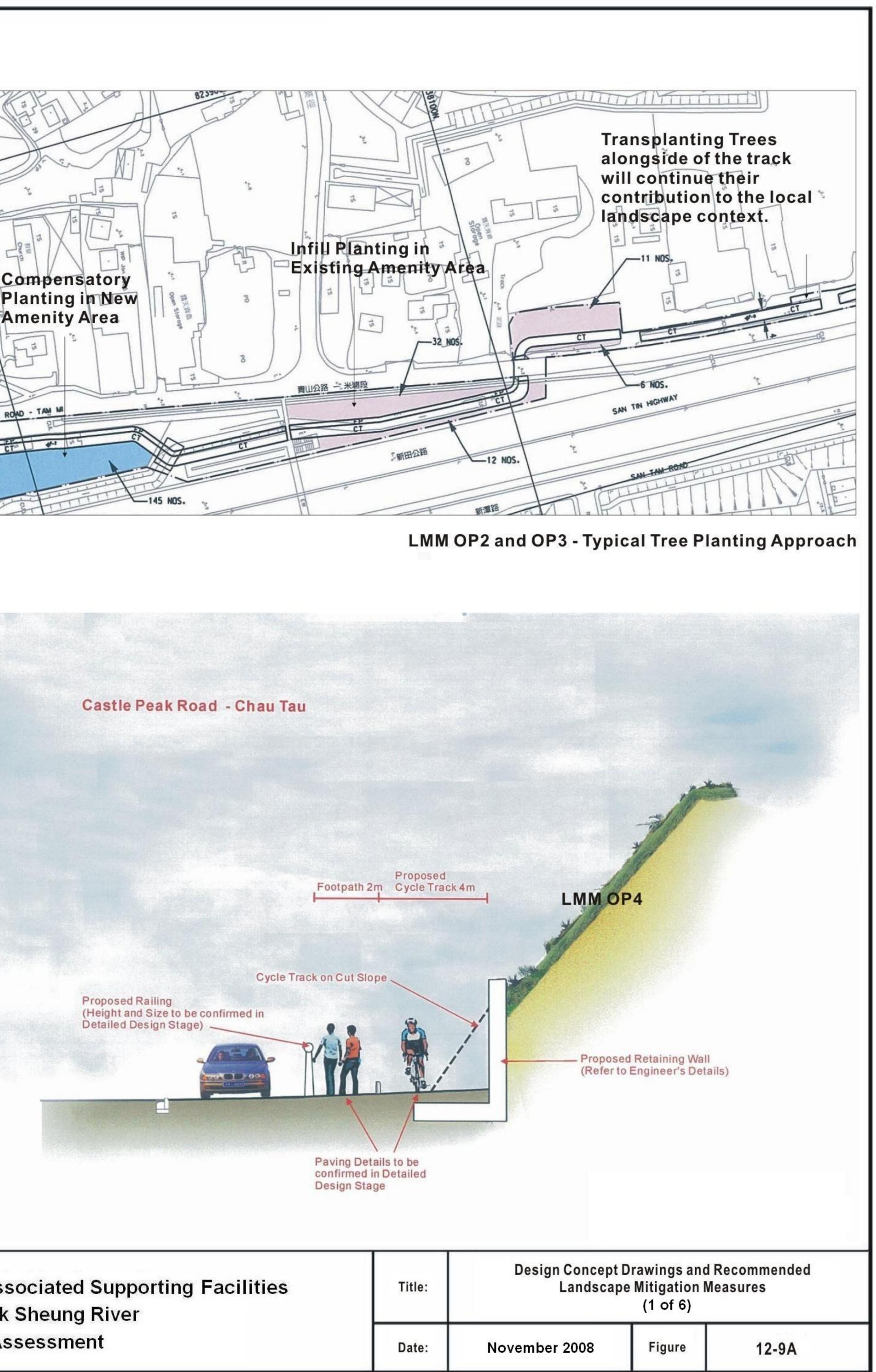
Figure

12-8B

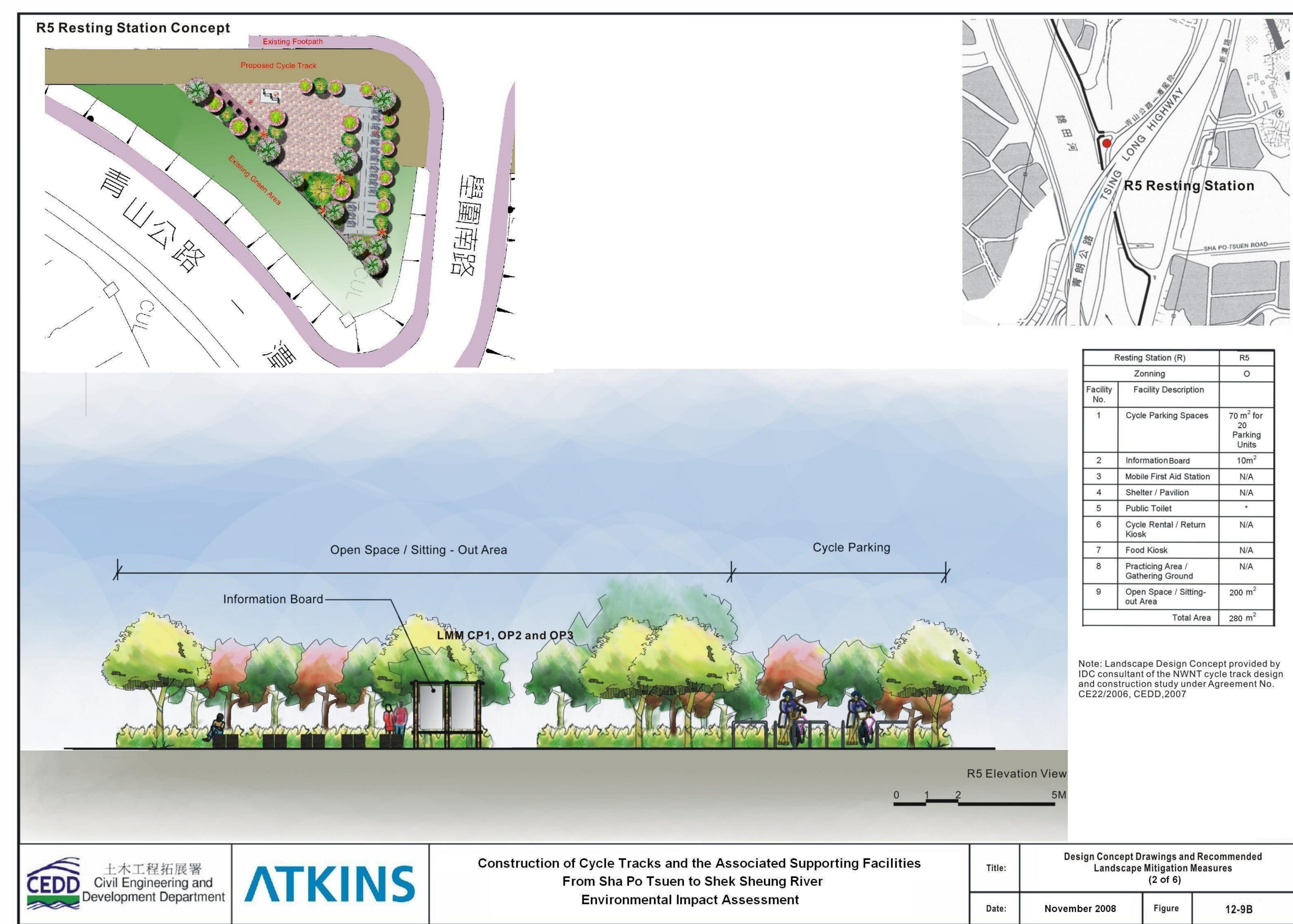


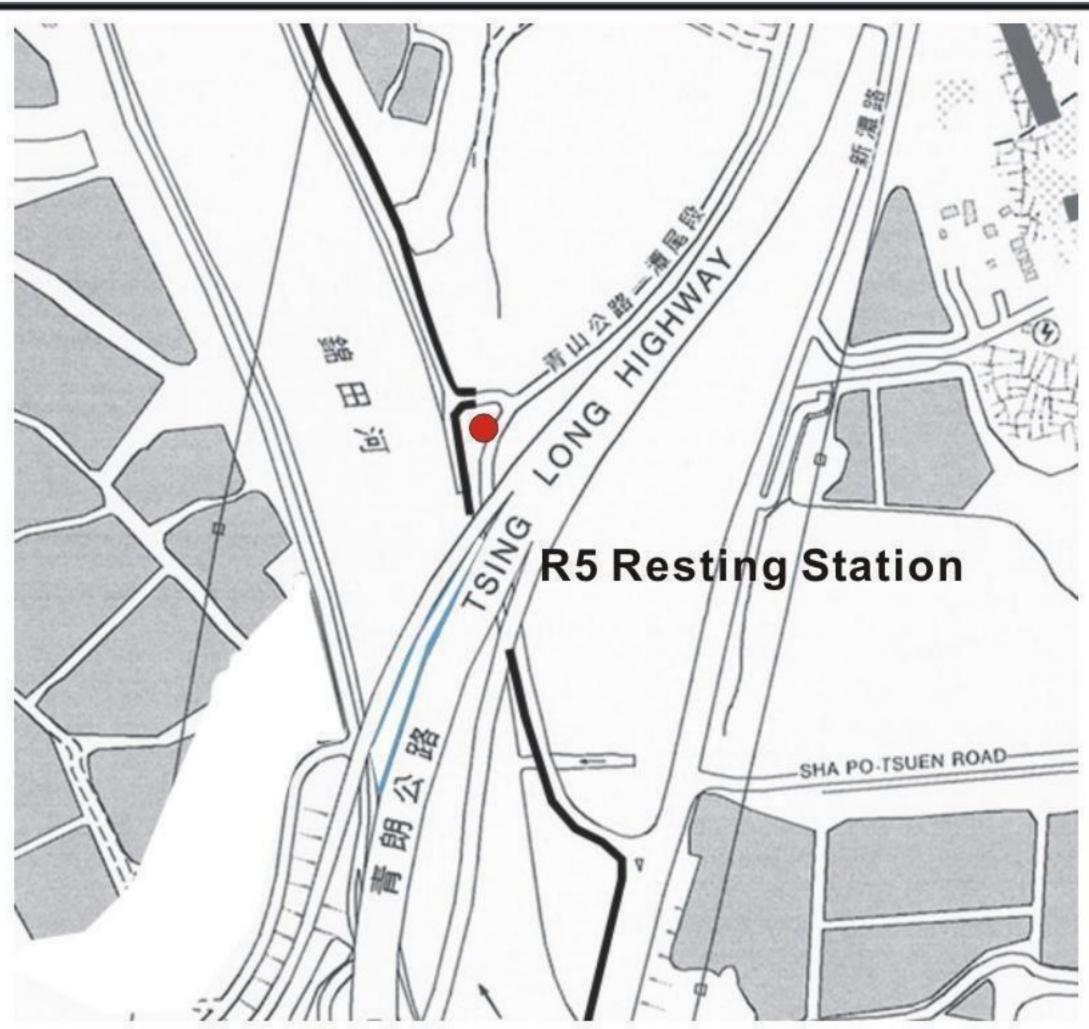






sociated Supporting Facilities	Title:	Desig
ssessment	Date:	Novembe

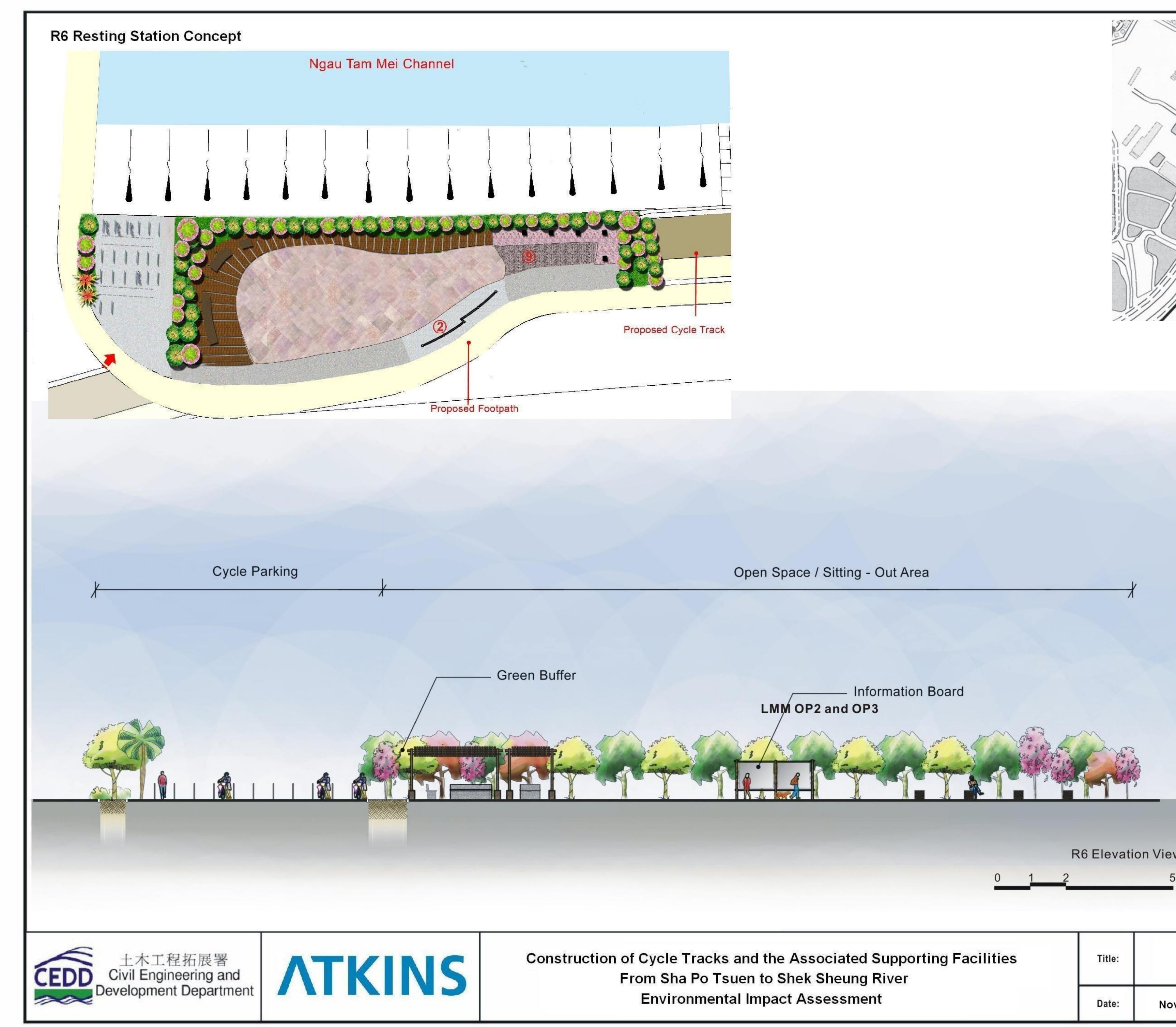




Resting Station (R) Zonning		R5	
		0	
Facility No.	Facility Description		
1	Cycle Parking Spaces	70 m ² for 20 Parking Units	
2	Information Board	10m ²	
3	Mobile First Aid Station	N/A	
4	Shelter / Pavilion	N/A	
5	Public Toilet *		
6	Cycle Rental / Return Kiosk	N/A	
7	Food Kiosk	N/A	
8	Practicing Area / Gathering Ground	N/A	
9	Open Space / Sitting- out Area	200 m ²	
	Total Area	280 m ²	

n Concept Drawings and Recommended
Landscape Mitigation Measures
(2 of 6)

	121211111111
•	2008
	2000





R6 Elevation View 5M

No CO cor CE

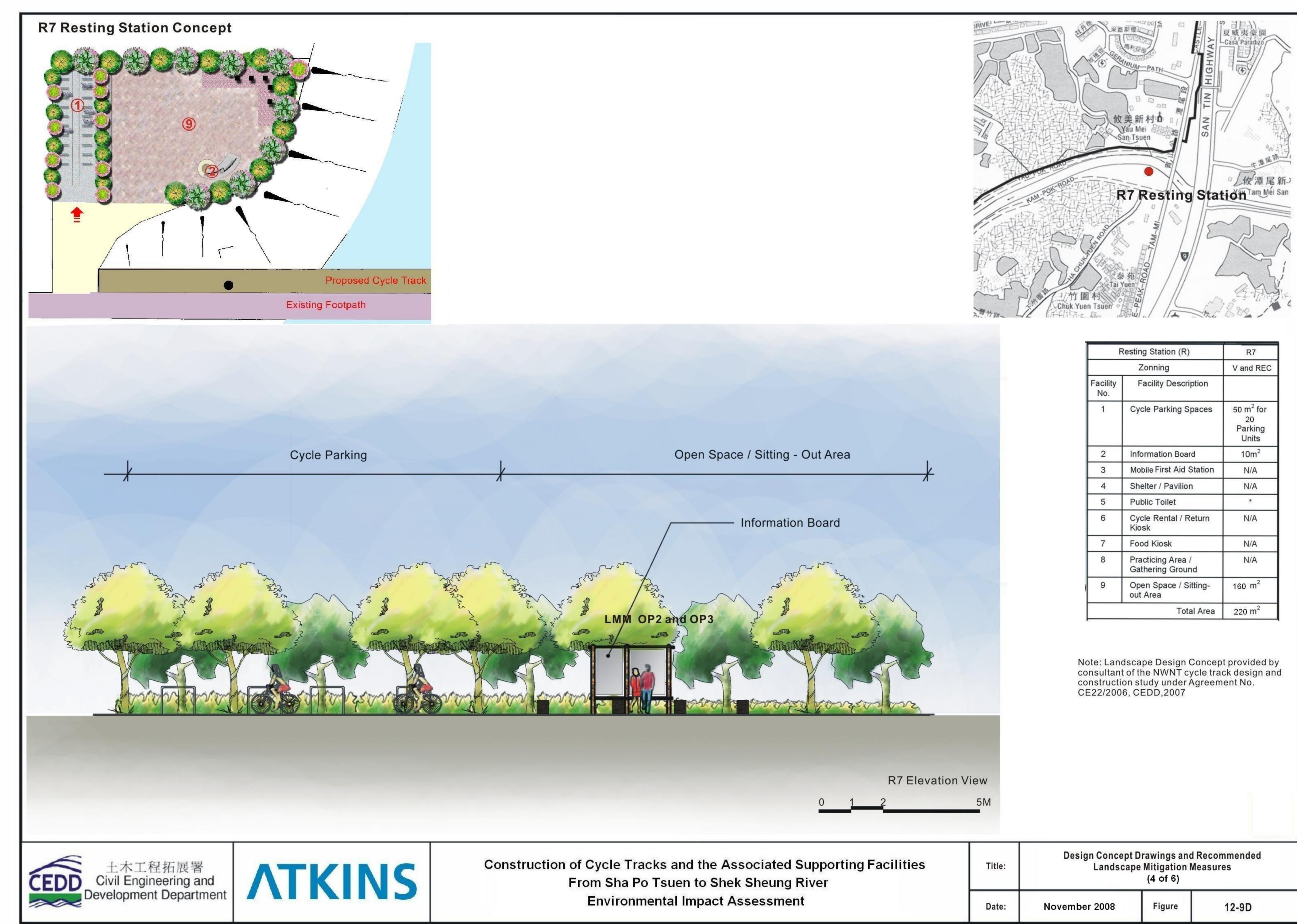
ssociated Supporting Facilities ek Sheung River	Title:	Design Concept Drawings and Recommended Landscape Mitigation Measures (3 of 6)		
Assessment	Date:	November 2008	Figure	12-9C

R6 Resting Station

Resting Station (R) Zonning		R6 OU	
1	Cycle Parking Spaces	90 m ² for 20 Parking Units	
2	Information Board	10m ²	
3	Mobile First Aid Station	N/A	
4	Shelter / Pavilion	N/A	
5	Public Toilet	*	
6	Cycle Rental / Return Kiosk	N/A	
7	Food Kiosk	N/A	
8	Practicing Area / Gathering Ground	N/A	
9	Open Space / Sitting- out Area	530 m ²	
	Total Area	630 m ²	

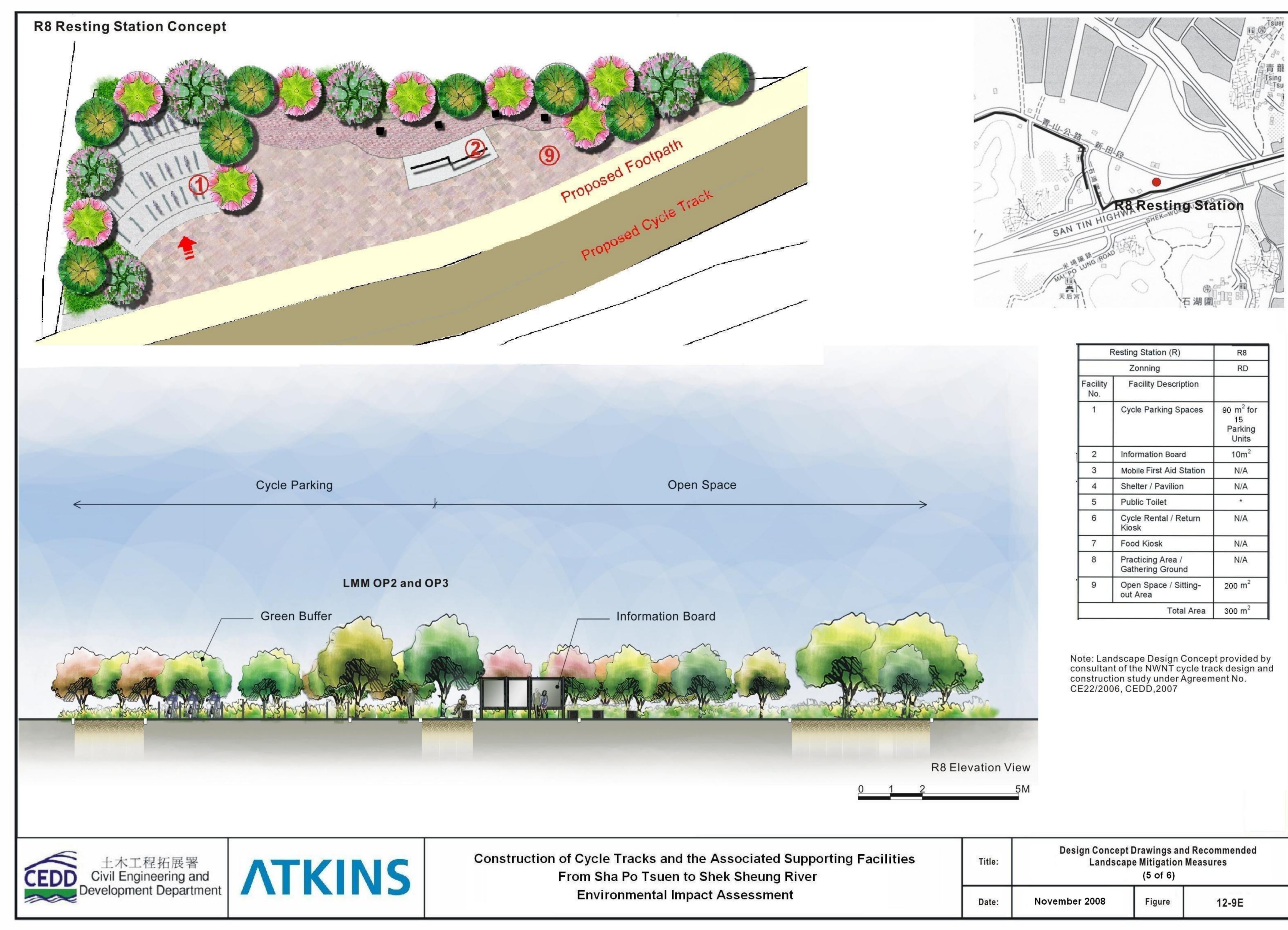
te: Landscape Design Concept provided by
nsultant of the NWNT cycle track design and
nstruction study under Agreement No.
22/2006, CEDD, 2007

n Concept Drawings and Recommended
Landscape Mitigation Measures
(3 of 6)



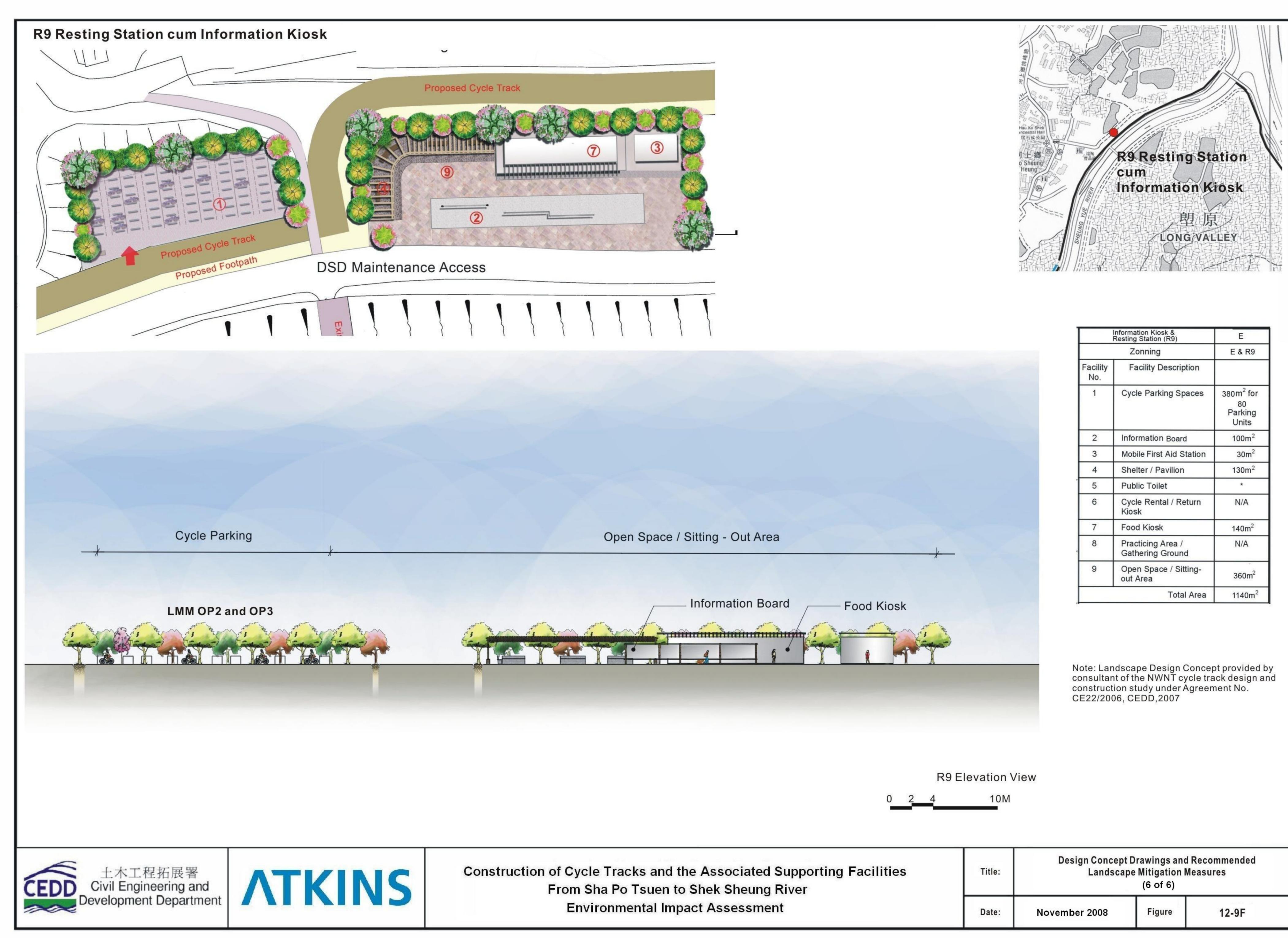
Associated Supporting Facilities	Title:	Design Conce Lands
hek Sheung River	_	
t Assessment	Date:	November 2008

F	Resting Station (R)	R7
	Zonning	V and REC
Facility No.	Facility Description	
1	Cycle Parking Spaces	50 m ² for 20 Parking Units
2	Information Board	10m ²
3	Mobile First Aid Station	N/A
4	Shelter / Pavilion	N/A
5	Public Toilet	*
6	Cycle Rental / Return Kiosk	N/A
7	Food Kiosk	N/A
8	Practicing Area / Gathering Ground	N/A
9	Open Space / Sitting- out Area	160 m ²
	Total Area	220 m ²



Associated Supporting Facilities nek Sheung River	Title:	Desi
ct Assessment	Date:	Novembe

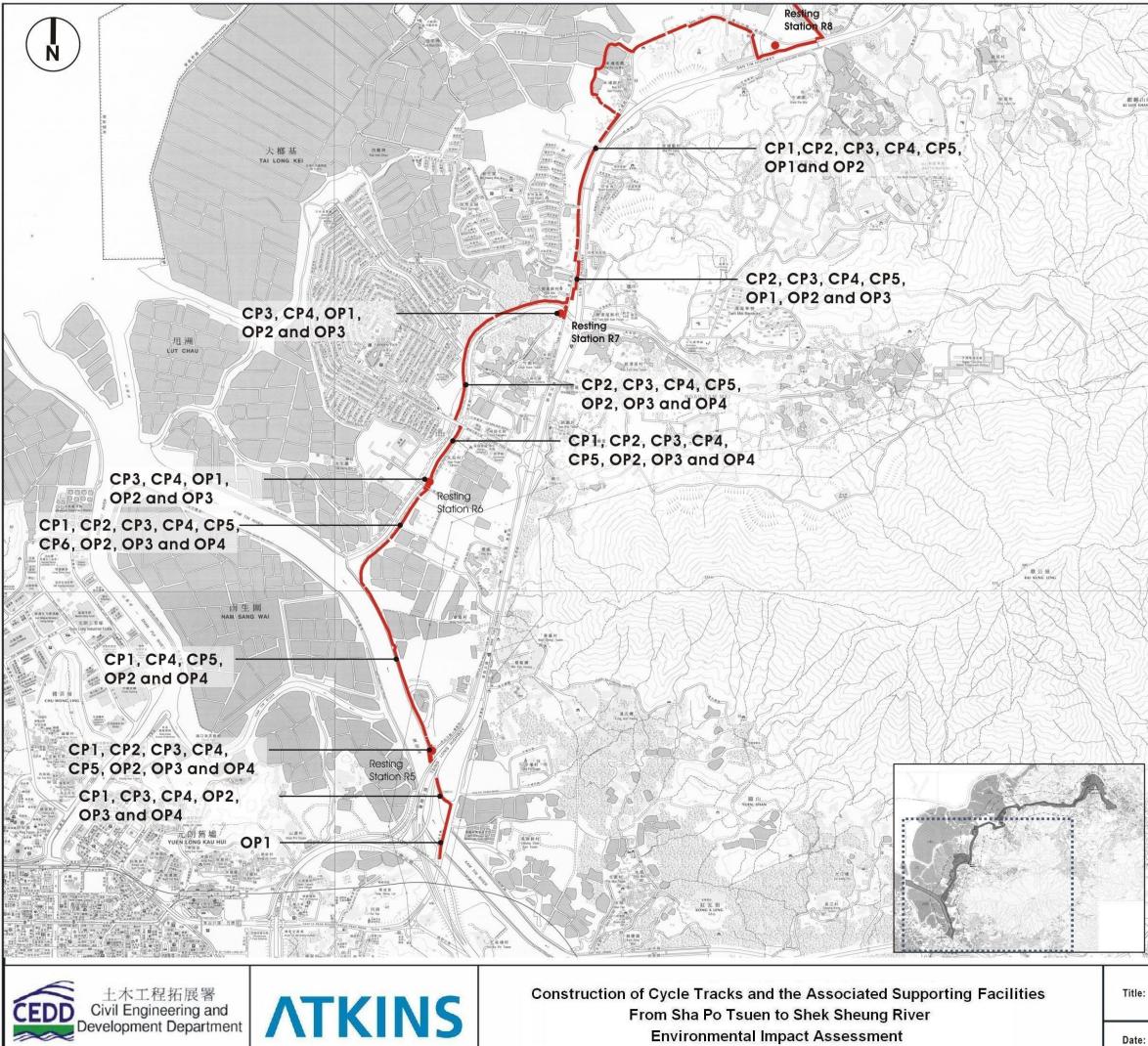
F	Resting Station (R)	R8
Zonning		RD
Facility No.	Facility Description	
1	Cycle Parking Spaces	90 m ² for 15 Parking Units
2	Information Board	10m ²
3	Mobile First Aid Station	N/A
4	Shelter / Pavilion	N/A
5	Public Toilet	*
6	Cycle Rental / Return Kiosk	N/A
7	Food Kiosk	N/A
8	Practicing Area / Gathering Ground	N/A
9	Open Space / Sitting- out Area	200 m ²
	Total Area	300 m ²



Associated Supporting Facilities ek Sheung River Assessment	Title:	Desi
Assessment	Date:	Novembe

	E	
	Zonning	E & R9
Facility No.	Facility Description	
1	Cycle Parking Spaces	380m ² for 80 Parking Units
2	Information Board	100m ²
3	Mobile First Aid Station	30m ²
4	Shelter / Pavilion	130m ²
5	Public Toilet	*
6	Cycle Rental / Return Kiosk	N/A
7	Food Kiosk	140m ²
8	Practicing Area / Gathering Ground	N/A
9	Open Space / Sitting- out Area	360m ²
	Total Area	1140m ²

er 2008	er	2008
---------	----	------





CP1

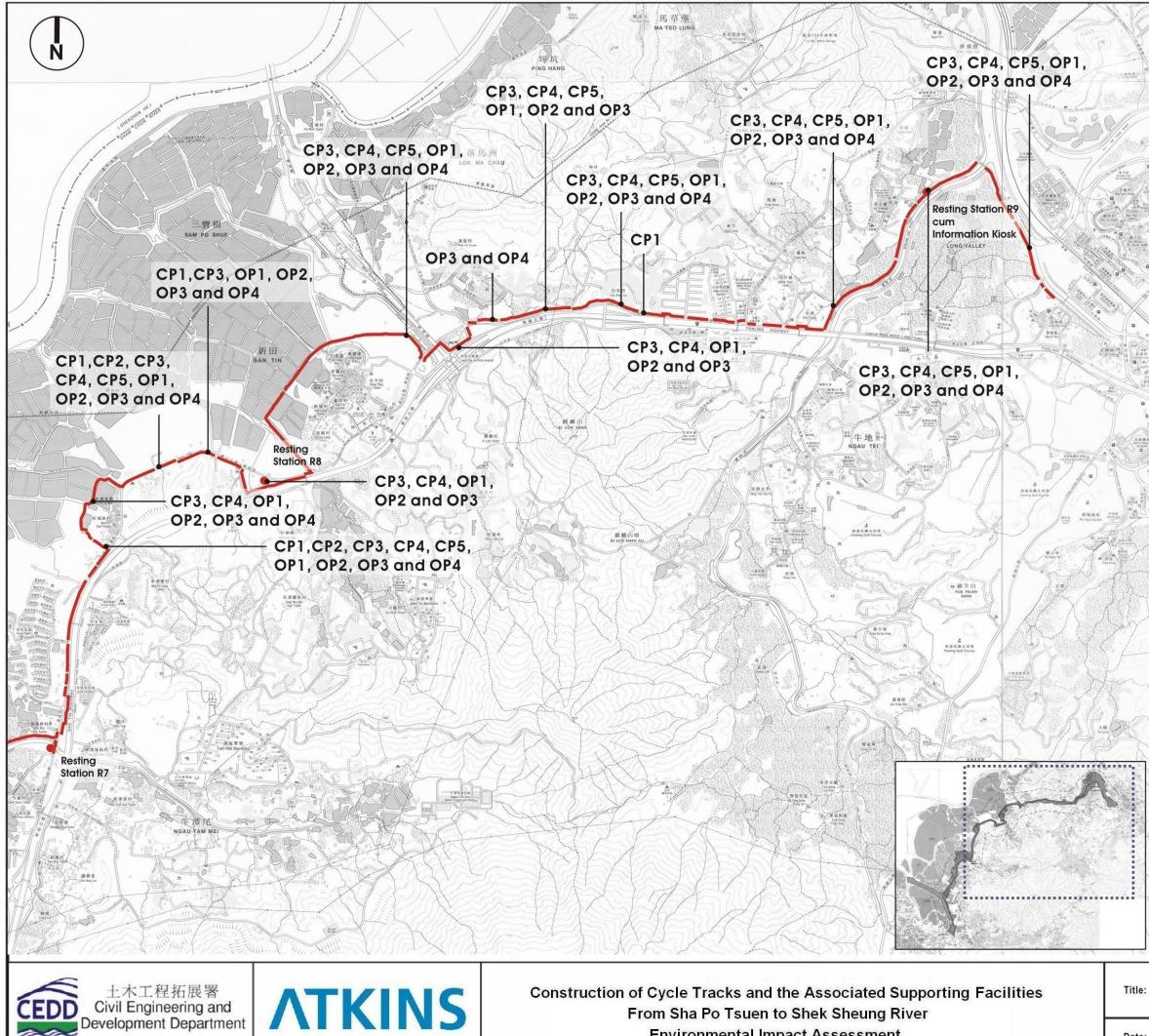
Proposed Cycle Track Alignment

Proposed Supporting Facilities

Mitigation Code of Recommended Mitigation Measures

Rec	ommende	ed Mitigat	ion Measure	s
	posed Cons gation Meas		h ase e 12-11 refers)	
CP1	Preservation	of Existing V	egetation	
CP2	Preservation	of Existing T	opsoil	
CP3	Works Area a	nd Temporar	y Works Areas	
CP4	Mitigation PI	anting		
CP5	Transplantat	ion of Existin	g Trees	
All a	bove measure	s are apply to	whole alignment	
	posed Oper sures (Tab		ase Mitigation fers)	
OP1	Design of Cyc	le Track and	Associated Facil	ities
OP2	Roadside an	d Amenity Pla	anting	
OP3	Compensato	ry Planting P	roposals	
OP4	Treatment of	Retaining Wa	all and Slopes	
_				
0 2	200 4	00	800M	
ecom	imended Lar	ndscape Mit (1 of 2)	igation Measur	es

ite:	November 2008	Figure	12-9G
			12-30





CP1

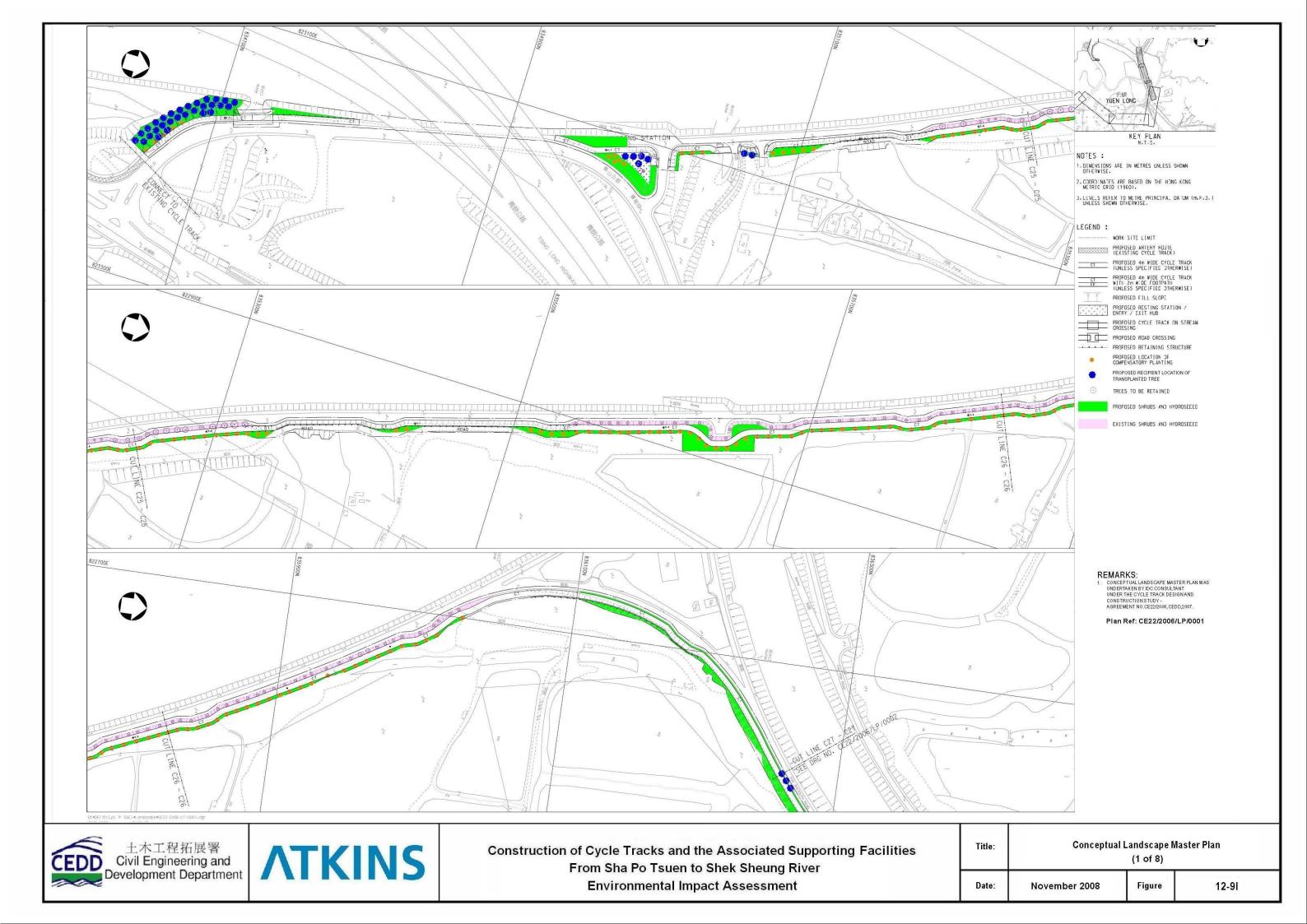
Proposed Cycle Track Alignment

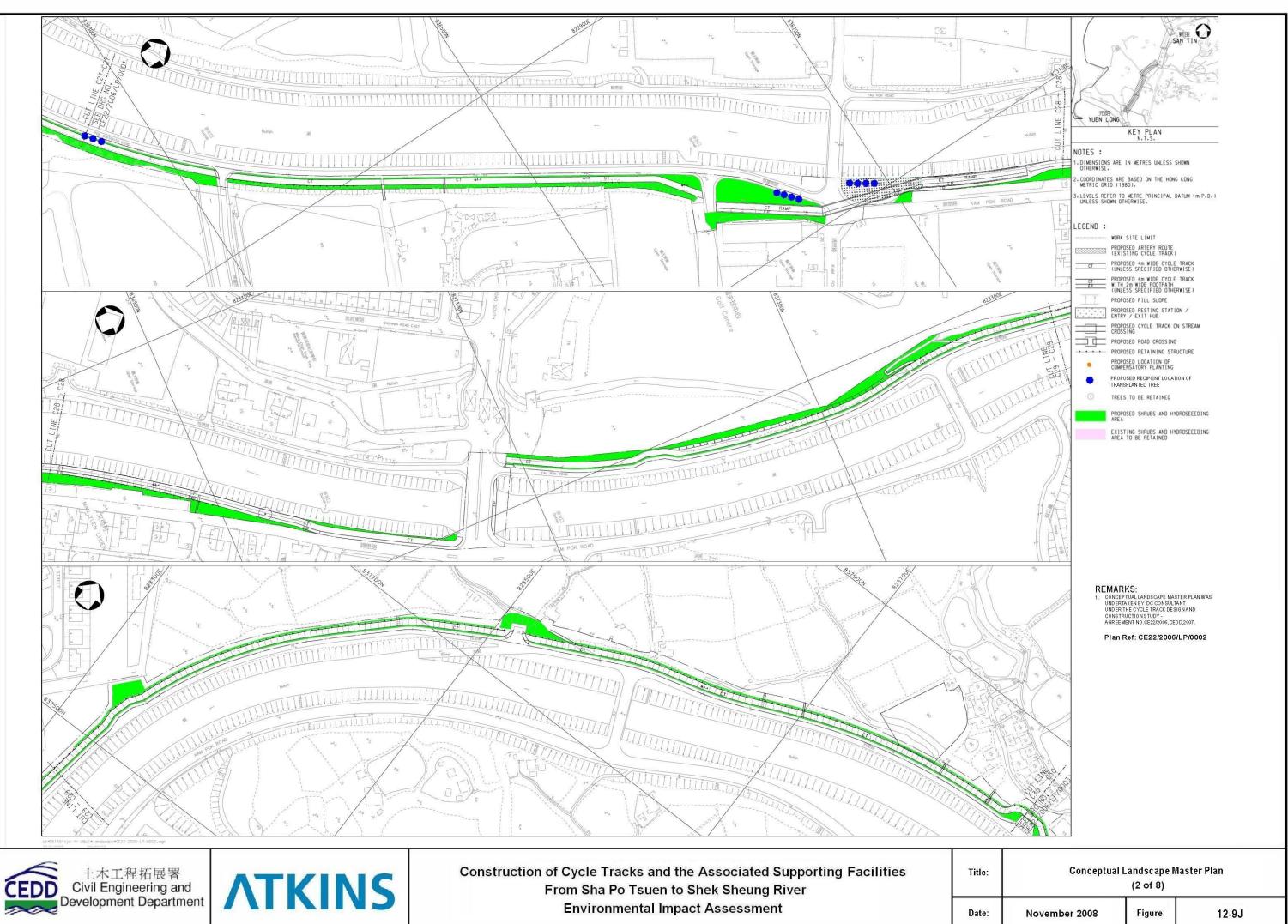
Proposed Supporting Facilities

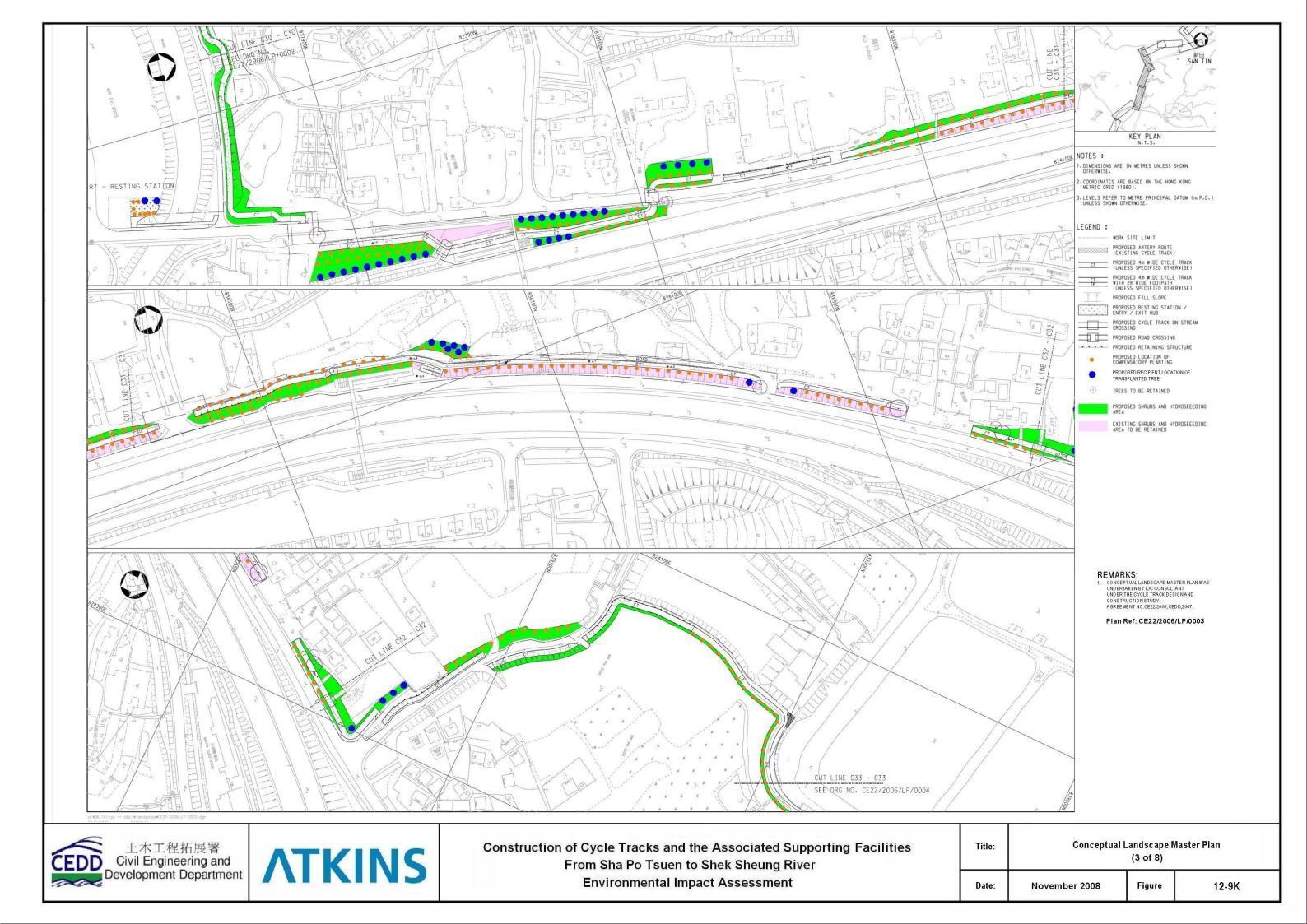
Mitigation Code of Recommended Mitigation Measures

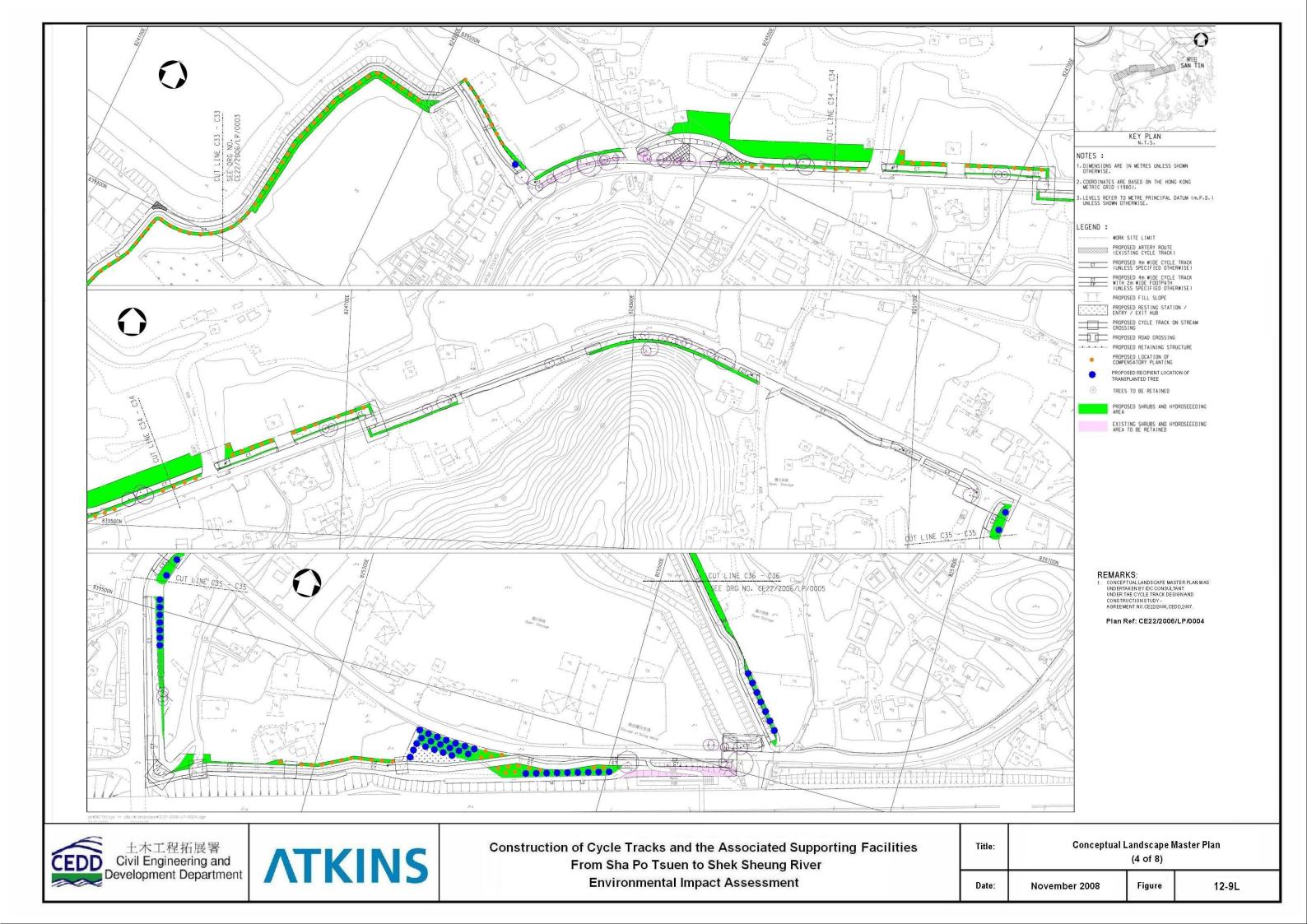
CP1	Preservation of Existing Vegetation
CP2	Preservation of Existing Topsoil
CP3	Works Area and Temporary Works Areas
CP4	Mitigation Planting
CP5	Transplantation of Existing Trees
All a	bove measures are apply to whole alignment.
	posed Operational Phase Mitigation sures (Table 12-12 refers)
OP1	Design of Cycle Track and Associated Facilities
OP2	Roadside and Amenity Planting
OP3	Compensatory Planting Proposals
P4	Treatment of Retaining Wall and Slopes

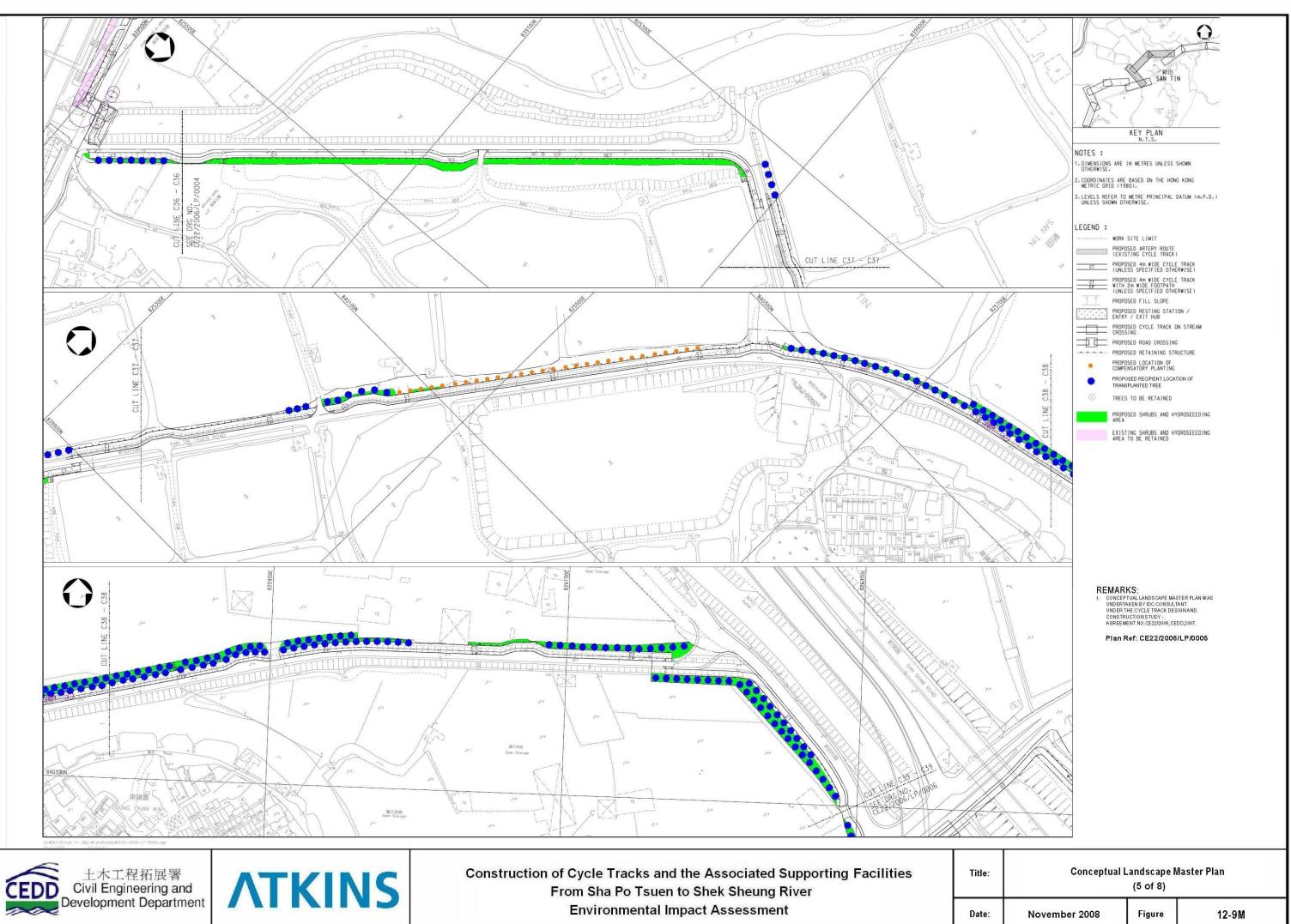
0 200	400	800M		
Recommended Landscape Mitigation Measures (2 of 2)				
November 2008	Figure	12-9H		

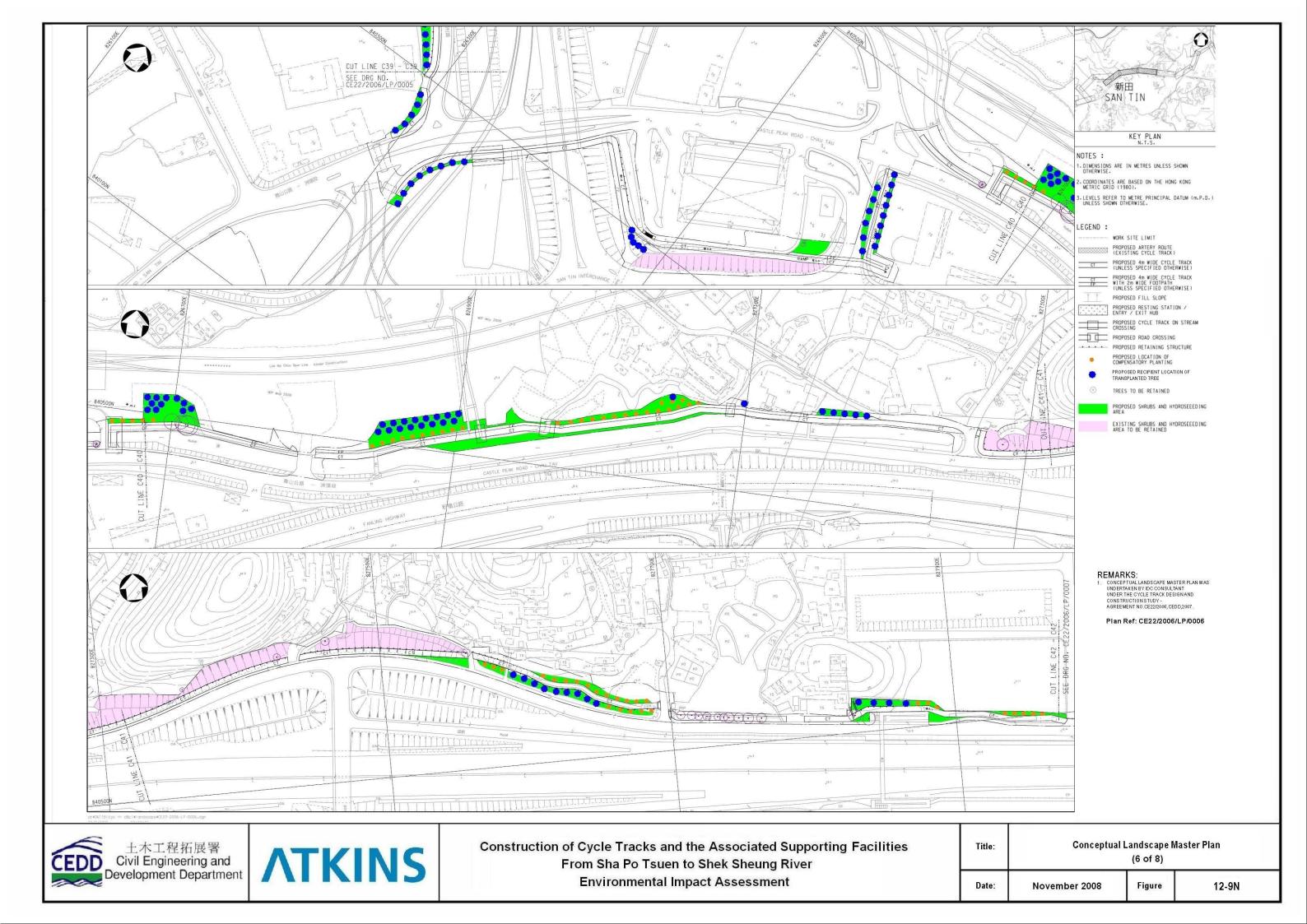


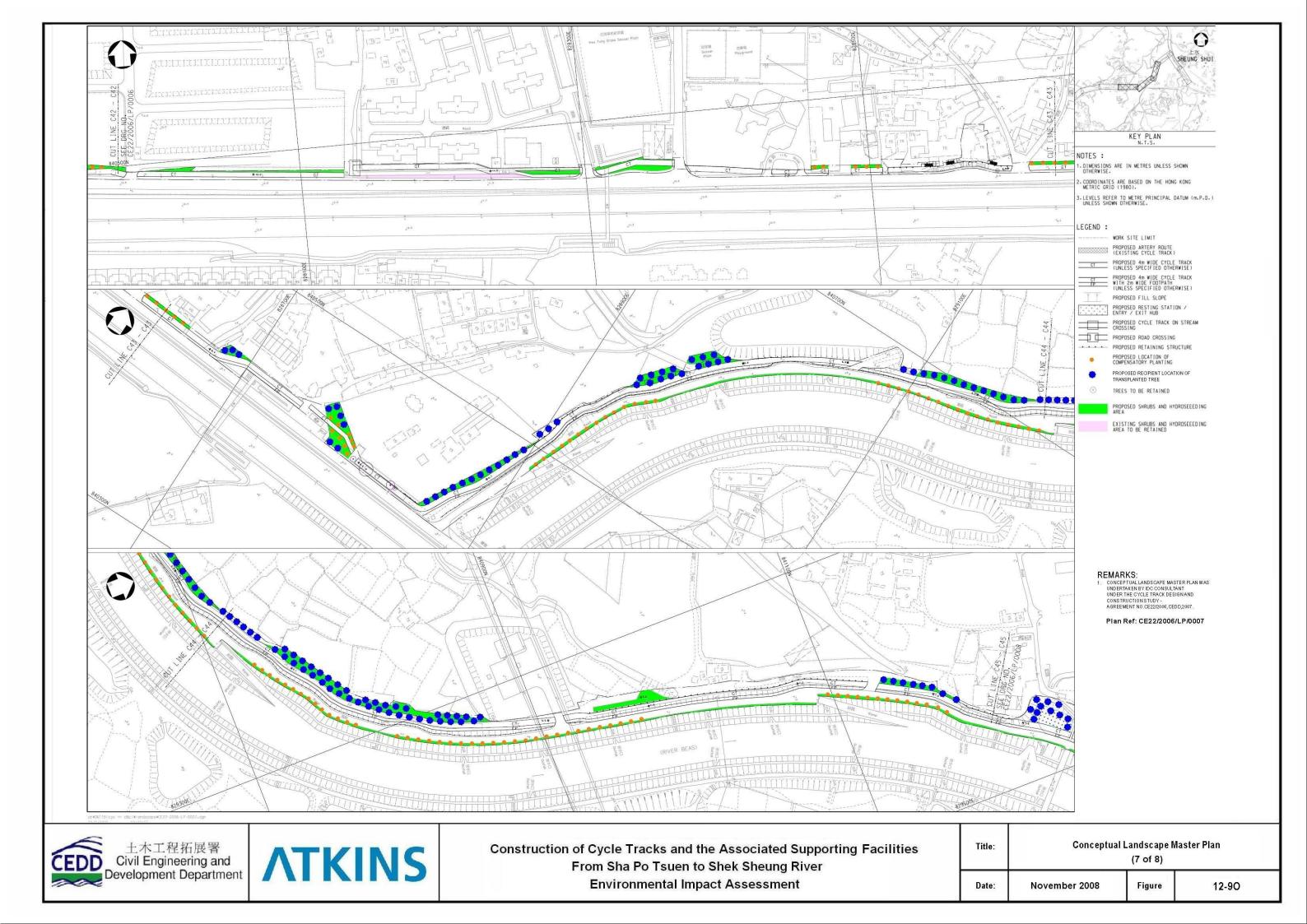


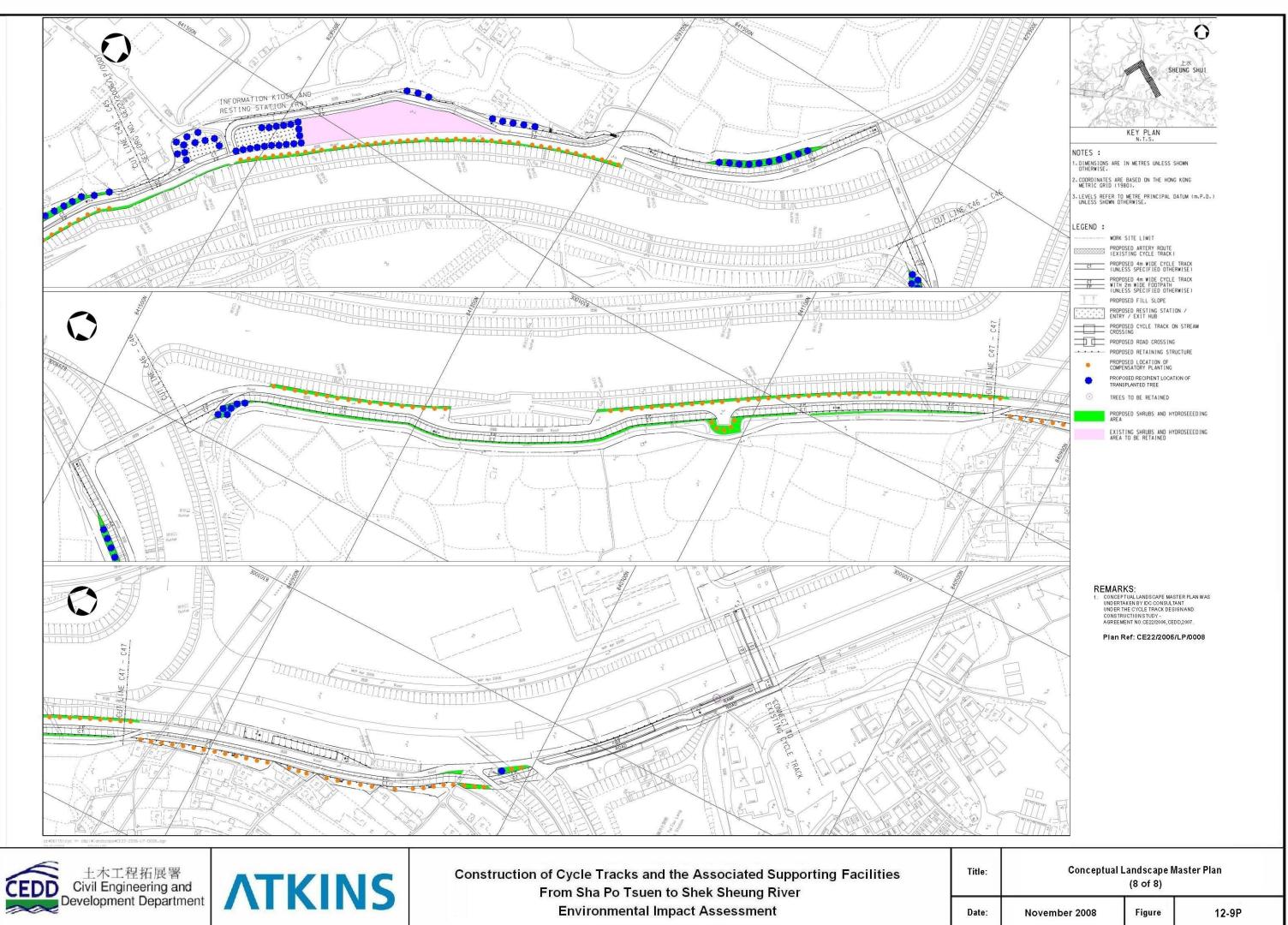








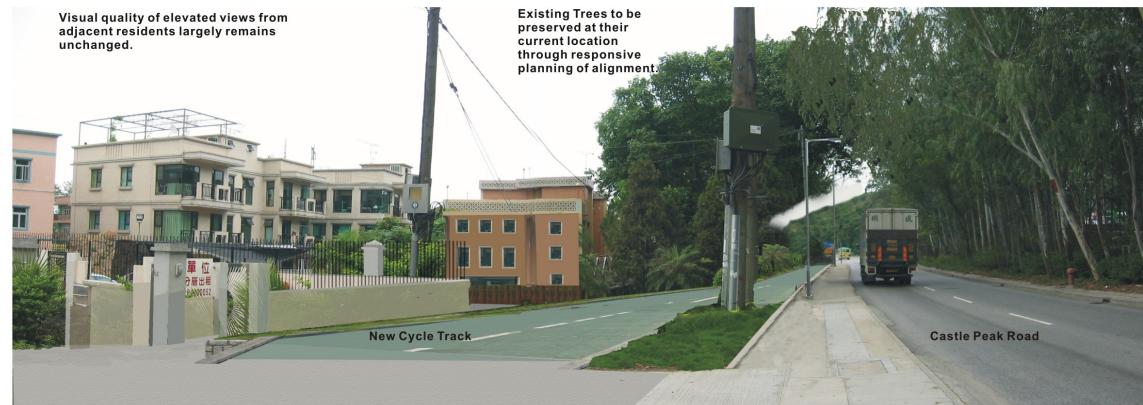






Existing Condition

View northeast at footpath of Castle Peak Road adjacent to the entrance of Nga Yuet Villa. This view represents the visual quality of residents living in villages adjacent to Castle Peak Road. (VSR6 Residents of Village Settlement along Castle Peak Road between Tam Mei and Mai Po Section).

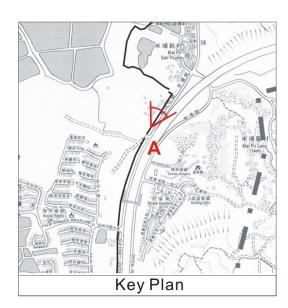


Day 1 of Operation Phase without landscape mitigation measures View northeast at footpath of Castle Peak Road adjacent to the entrance of Nga Yuet Villa. This view represents the visual quality of residents living in villages adjacent to Castle Peak Road.





Construction of Cycle Tracks and the Associated Supporting Facilities From Sha Po Tsuen to Shek Sheung River **Environmental Impact Assessment**

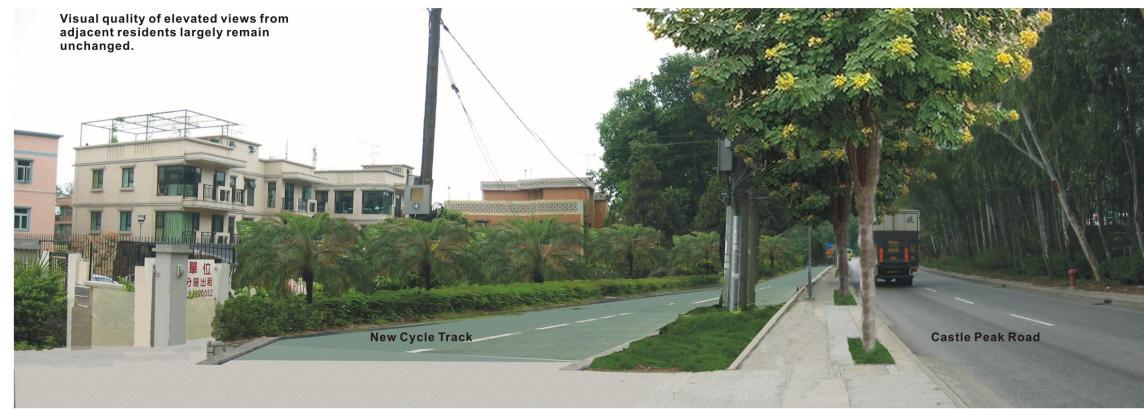




Title:	Photomontages - Vantage Point A (1 of 2)		
Date:	December 2008	Figure	12-10A



Day 1 of Operational Phase with landscape mitigation measures View northeast at footpath of Castle Peak Road adjacent to the entrance of Nga Yuet Villa. This view represents the visual quality of residents living in villages adjacent to Castle Peak Road.



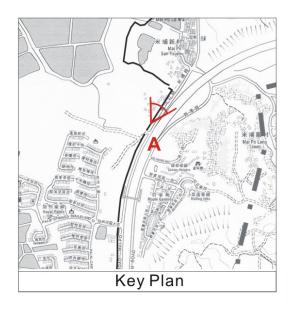
Year 10 of Operational Phase with landscape mitigation measures fully established View northeast at footpath of Castle Peak Road adjacent to the entrance of Nga Yuet Villa. This view represents the visual quality of residents living in villages adjacent to Castle Peak Road.





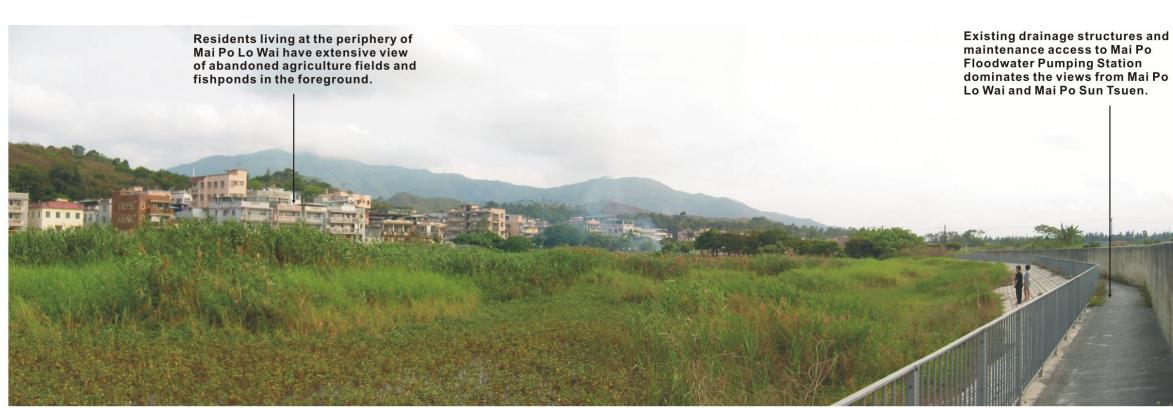
Construction of Cycle Tracks and the Associated Supporting Facilities From Sha Po Tsuen to Shek Sheung River **Environmental Impact Assessment**







Title:	Photomontages - Vantage Point A (2 of 2)		
Date:	December 2008	Figure	12-10B



Existing Condition

View southwest from the dam, which formed part of existing flooding prevention measures for the villages. This view represents the visual quality of residents living in Mai Po Lo Wai and Mai Po San Tsuen. (VSR7Residents of Mai Po Village Settlement).



Day 1 of Operation Phase without landscape mitigation measures View southwest from the dam, which formed part of existing flooding prevention measures for the villages.

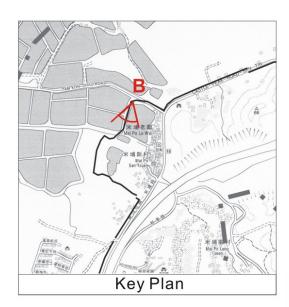




Construction of Cycle Tracks and the Associated Supporting Facilities From Sha Po Tsuen to Shek Sheung River **Environmental Impact Assessment**

Dat







Title:	Photomontages - Vantage Point B (1 of 2)		
Date:	December 2008	Figure	12-10C



Day 1 of Operational Phase with landscape mitigation measures View southwest from the dam, which formed part of existing flooding prevention measures for the villages.



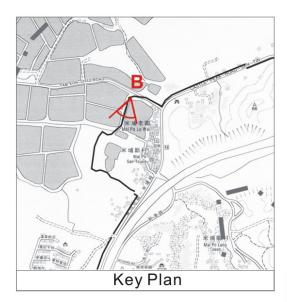
Year 10 of Operational Phase with landscape mitigation measures fully established View southwest from the dam, which formed part of existing flooding prevention measures for the villages





Construction of Cycle Tracks and the Associated Supporting Facilities From Sha Po Tsuen to Shek Sheung River **Environmental Impact Assessment**





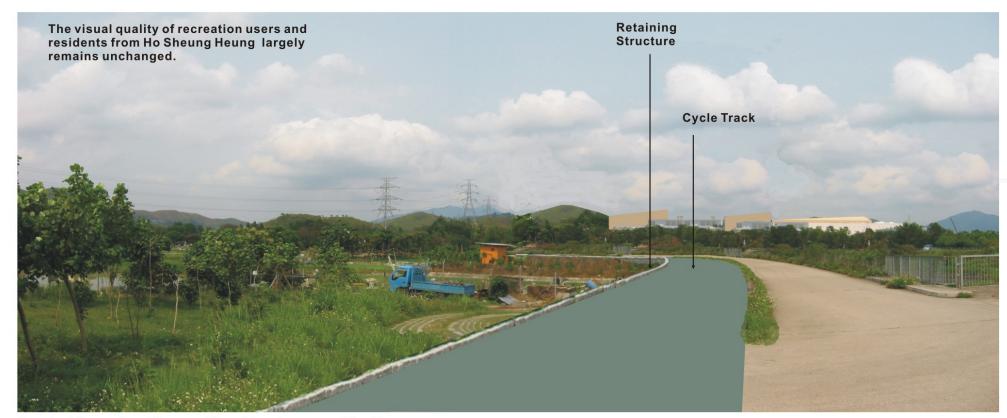


Title:	Photomontages - Vantage Point B (2 of 2)		
Date:	December 2008	Figure	12-10D



Existing Condition

View northeast from the existing maintenance access along the northern riverbank of Sheung Yue River (VSR11 Pedestrians and Visitors of Sheung Yue Riverbank .

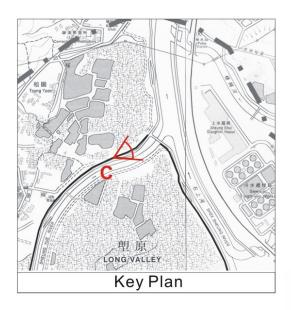


Day 1 of Operation Phase without landscape mitigation measures View northeast from the existing maintenance access along the northern riverbank of Sheung Yue River .

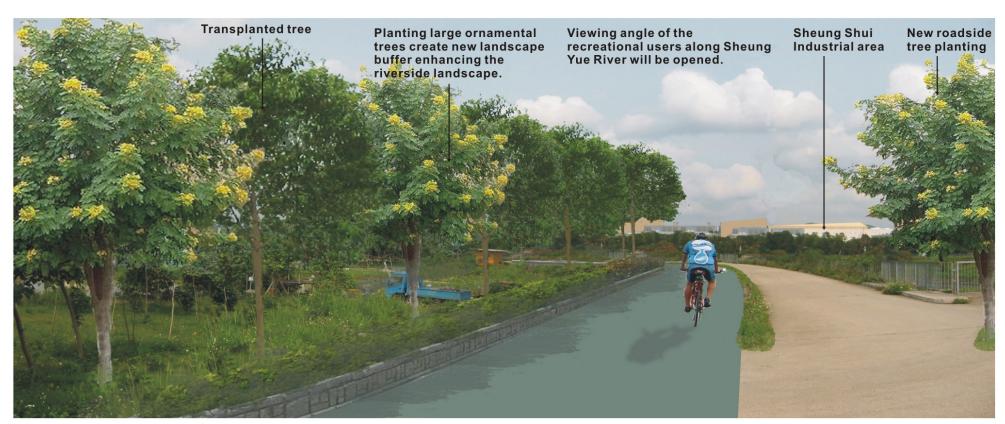




Construction of Cycle Tracks and the Associated Supporting Facilities From Sha Po Tsuen to Shek Sheung River **Environmental Impact Assessment**



Title:	Photomontages - Vantage Point C (1 of 2)		
Date:	December 2008	Figure	12-10E



Day 1 of Operational Phase with landscape mitigation measures View northeast from the existing maintenance access along the northern riverbank of Sheung Yue River.

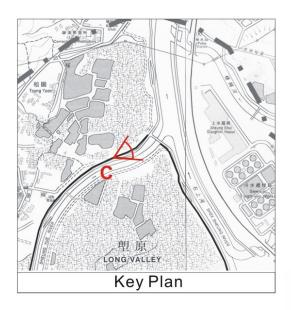


Year 10 of Operational Phase with landscape mitigation measures fully established View northeast from the existing maintenance access along the northern riverbank of Sheung Yue River.





Construction of Cycle Tracks and the Associated Supporting Facilities From Sha Po Tsuen to Shek Sheung River Environmental Impact Assessment Titl



tle:	Photomontages - Vantage Point C (2 of 2)		
ate:	December 2008	Figure	12-10F