

Your Ref :

Our Ref : (CV/2013/03)/M45/~~500~~/B00285 **M45/600/B00285****By Hand**

12 August 2013

Director
Environmental Impact Assessment Ordinance Register Office
Environmental Protection Department
27/F, Southorn Centre,
130 Hennessy Road,
Wanchai, Hong Kong

Dear Sirs,

Contract No. CV/2013/03
Liantang / Heung Yuen Wai Boundary Control Point
Site Formation and Infrastructure Works - Contract 5**Submission of Project Layout Plan for Contract 5 of the Project (Rev.01) (EP No. EP-404/2011)**

I refer to your comments of 25 July 2013 via email on our Project Layout Plan (EP No. EP-404/2011) submitted on 17 July 2013 under cover of letter ref. (CV/2013/03)/M45/500/B00207.

In response to the comments, we submit herewith 3 hard copies of the revised Project Layout Plan (Rev.01) for Contract 5 of the Project titled "Liantang/Heung Yuen Wai Boundary Control Point and Associated Works" which was certified by the Environmental Team Leader and verified by the Independent Environmental Checker.

Should you have any queries, please feel free to contact the undersigned at 2674 2273.

Yours faithfully,
For and on behalf of
AECOM Asia Co. Ltd.Kelvin Lee
Engineer's Representative

Encl.

c.c.	CEDD/BCP	- Attn: - Mr. Eric Chan	(Fax No. 2714 0103)	} w/e - 1 hard copy
	SMEC(IEC)	- Attn: - Mr. Anthony Wong	(Fax No. 3995 8101)	} w/o - 1 CD copy(pdf copy)
	AUES(ET)	- Attn: - Mr. T. W. Tam	(Fax No. 2959 6079)	} w/o - 1 CD copy(pdf copy)
	AECOM	- Attn: - Mr. Pat Lam		} w/e - 1 hard copy
	SRJV	- Attn: - Mr. Edwin Au	(Fax No. 2403 1162)	} w/e - 1 hard copy


KL/LQR/tc

Our Ref: TCS00670/13/300/L0046

AECOM
8/f Grand Central Plaza, Tower 2
138 Shatin Rural Committee Road
Shatin, Hong Kong

Attn: Mr. Kelvin Lee
Engineer's Representative

7 August 2013
By E-mail and By Post
Fax: 3922 9797

Dear Mr. Kelvin Lee,

**Re: Contract CV/2013/03 Liantang/ Heung Yuen Wai Boundary Control Point Site
Formation and Infrastructure Works – Contract 5
Certification of Project Layout Plan (Rev.01) under EP-404/2011 Condition 2.7**

We herewith certify the captioned *Project Layout Plan* submission in accordance with the requirements stipulated in *Clause 2.7* of the *Environmental Permit No. EP-404/2011*.

Should you have any question or require further information, please feel free to contact the undersigned at Tel: 2959-6059 or Fax: 2959-6079 or E-mail: twtam@fordbusiness.com.

Yours sincerely,
For and on Behalf of
Action-United Environmental Services & Consulting



T. W. Tam
Environmental Team Leader
TW/fn/jk



瑞峰工程顧問有限公司

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T +852 3995 8100
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E smecasia@smec.com
W www.smec.com

7 August 2013

Our ref: 7076192/L14109/R/AB/AW/WM/rw
Your ref:

AECOM
8/F, Grand Central Plaza, Tower 2
138 Shatin Rural Committee Road
Shatin, N.T.

By Email & Post

Attention: Mr Kelvin LEE

Dear Sirs

Agreement No. CE 42/2012 (EP)
Liantang/Heung Yuen Wai Boundary Control Point and Associated Works
Independent Environmental Checker – Investigation
Revised Project Layout Plans of Contract 5 (CV/2013/03)

Reference is made to the following documents:

- 1. Project Layout Plans (Drawing Nos. 60212563/BL2/000 to 60212563/BL2/010A);
2. Explanatory Notes for Works Programme for Contract No. CV/2013/03 – Contract 5;
3. Works Programme for Contract No. CV/2013/03 – Contract 5; and
4. The ET Leader’s certification (ET’s ref.: TCS00670/13/300/ L0046) dated 7 August 2013.

Please be noted that we have no adverse comments on the captioned submission. We herewith verify the revised Project Layout Plans of Contract 5 (CV/2013/03) of the captioned Project in accordance with Condition 2.7 of Environmental Permit No. EP-404/2011.

Thank you for your attention and please do not hesitate to contact the undersigned on tel. 3995 8120 or by email to antony.wong@smec.com; or our Ms Winnie MA on tel. 3995 8138 or by email to winnie.ma@smec.com.

Yours faithfully
For and on behalf of
SMEC Asia Limited

Handwritten signature of Antony WONG
Antony WONG
Independent Environmental Checker

cc CEDD/BCP - Mr Pui Sang LI/Mr Eric CHAN by fax: 2714 0103
AECOM - Mr Pat LAM by email
SRJV - Mr Edwin AU by email
AUES - Mr TW TAM by email



Liantang / Heung Yuen Wai Boundary Control Point and Associated Works

Submission of Project Layout Plans under Condition 2.7 of Environmental Permit No. EP-404/2011 for works under Contract No. CV/2013/03 – “Liantang / Heung Yuen Wai Boundary Control Point Site Formation and Infrastructure Works – Contract 5”

Response to EPD’s Comments Given on 25 July 2013

EPD’s Comment	Response
1. Explanatory Notes – the items mentioned in the Explanatory Notes such as Item 1(i) 23 hectares site formation, Item 1(ii) 175m long depressed road structure, etc., should be clearly shown in the layout plans for the ease of reference.	The layout plans and the Explanatory Notes are modified in the re-submission for easy cross reference.
2. Works Programme (a) The first row showing “2013, 2014, 2015” is different from the last row showing “2014, 2015, 2016”, and this should be clarified or rectified. (b) The label “Completion of Cont” is incomplete.	(a) The typo is rectified in the re-submission. (b) The incomplete label is rectified in the re-submission.

Note:

The amendments made in the submission include the following:-

- 1) Minor revision to the description of Activities and Activity I.D. in the Works Programme;
- 2) Adding Activity I.D. on Drawings for clearer indication of corresponding Activities as shown on Works Programme; and
- 3) Adding reference in explanatory notes for clearer indication of the corresponding Activities as shown on Works Programme and Drawings;

**Liantang / Heung Yuen Wai Boundary Control Point
and Site Formation and Infrastructure Works –
Contract 5**

Environmental Permit (EP No.: EP- 404/2011)

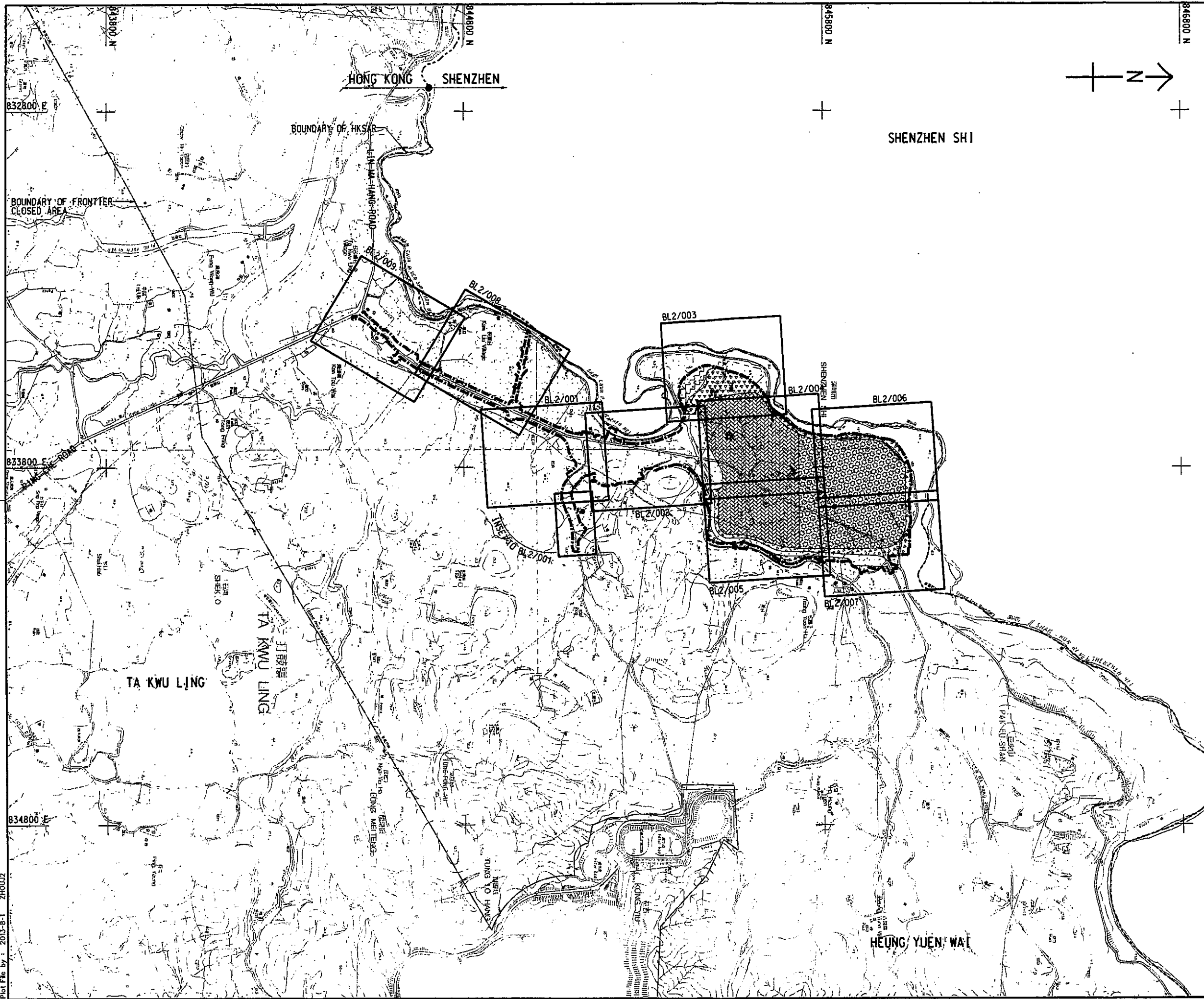
Project Layout Plan (Rev.01)

Explanatory notes for works programme for Contract No. CV/2013/03 – Contract 5

1. The Works to be executed under Contract 5 include the following major works items:
 - (i) site formation of about 23 hectares of land for the development of the proposed Boundary Control Point (BCP) (As shown on Drawing No. 60212563/000A);
 - (ii) construction of an approximately 175m long depressed road structure (Reinforced concrete structure) (As shown on Drawing No. 60212563/003A);
 - (iii) realignment and improvement of the sections of Lin Ma Hang Road between Ping Che Road and Tsung Yuen Ha, including the construction of a Bridge J crossing the existing Kong Yiu Channel (As shown on Drawing Nos. 60212563/BL2/001A, 002A, 004A, 005A, 007A, 008A & 009A);
 - (iv) construction of a section of pedestrian subway structure underneath the realigned Lin Ma Hang Road (As shown on Drawing No. 60212563/007A);
 - (v) construction of associated footpath, slopes, retaining walls, drainage, sewerage, waterworks, landscaping works and other ancillary works (As shown on Drawing Nos. 60212563/BL2/001A, 002A, 003A, 004A, 005A, 006A, 007A, 008A & 009A); and
 - (vi) associated environmental mitigation measures, and Environmental Monitoring and Audit (EM&A) programme for the works.
 2. In the initial 5 months, the works will cover mainly mobilization and site clearance, and baseline monitoring. (Activity ID 1 and 3 as shown on Works Programme).
 3. Upon completion of baseline monitoring, tree transplanting, retaining walls, pedestrian subway structure, depressed road structure, piling works for Bridge J, and widening of Lin Ma Hang Road between Ping Che Road and the BCP will commence in parallel. (Activity ID 2, 4, 6, 8, and 12 as shown on Works Programme and Drawing Nos. 60212563/BL2/001A, 002A, 004A, 005A, 006A, 007A, 008A & 009A)
 4. Site formation works for the BCP will follow the construction of the retaining walls. (Activity ID 5 as shown on Works Programme and Drawing Nos. 60212563/BL2/004A, 005A, 006A & 007A)
 5. Lin Ma Hang Road realignment works will follow upon completion of the retaining walls. (Activity ID 7 as shown on Works Programme and Drawing Nos. 60212563/BL2/005A & 007A)
 6. Bridge J superstructure will follow completion of piling works. (Activity ID 9 as shown on Works Programme and Drawing Nos. 60212563/BL2/002A & 004A)
 7. The retaining walls in Areas BCPC and BCPD will start in about early 2014, followed by site formation works in these two Areas. (Activity ID 10,11 as shown on Works Programme and Drawing Nos. 60212563/BL2/002A, 003A, 004A, 005A & 007A)
-

Works Programme for Contract No. CV/2013/03 - Contract 5

ID	Description	Duration (months)	2013												2014												2015											
			1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
1	Mobilization and site clearance	5																																				
4	Retaining walls in Area BCPA	10																																				
7	Realignment of Lin Ma Hang Road (from Bridge J to Tsung Yuen Ha)	12																																				
10	Retaining walls in Areas BCPC and BCPD, and depressed road structure	12																																				
	* BCP = Boundary Control Point																																					



NOTE:
 1. THE TOTAL AREA OF AREAS BCPA, BCPB, BCPC AND BCPD IS ABOUT 23HA.

- LEGEND:**
- SITE BOUNDARY
 - [Pattern: Dotted] SITE FORMATION OF LAND DEVELOPMENT OF THE AREA BCPA (ACTIVITY I.D. 3)
 - [Pattern: Cross-hatched] SITE FORMATION OF LAND DEVELOPMENT OF THE AREA BCPB (ACTIVITY I.D. 11)
 - [Pattern: Horizontal lines] SITE FORMATION OF LAND DEVELOPMENT OF THE AREA BCPC (ACTIVITY I.D. 11)
 - [Pattern: Vertical lines] SITE FORMATION OF LAND DEVELOPMENT OF THE AREA BCPD (ACTIVITY I.D. 11)

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 Civil Engineering and Development Department

LIANTANG/HUNG YUEN WAI BOUNDARY CONTROL POINT AND ASSOCIATED WORKS (SITE FORMATION AND INFRASTRUCTURES) - DESIGN AND CONSTRUCTION

KEY PLAN

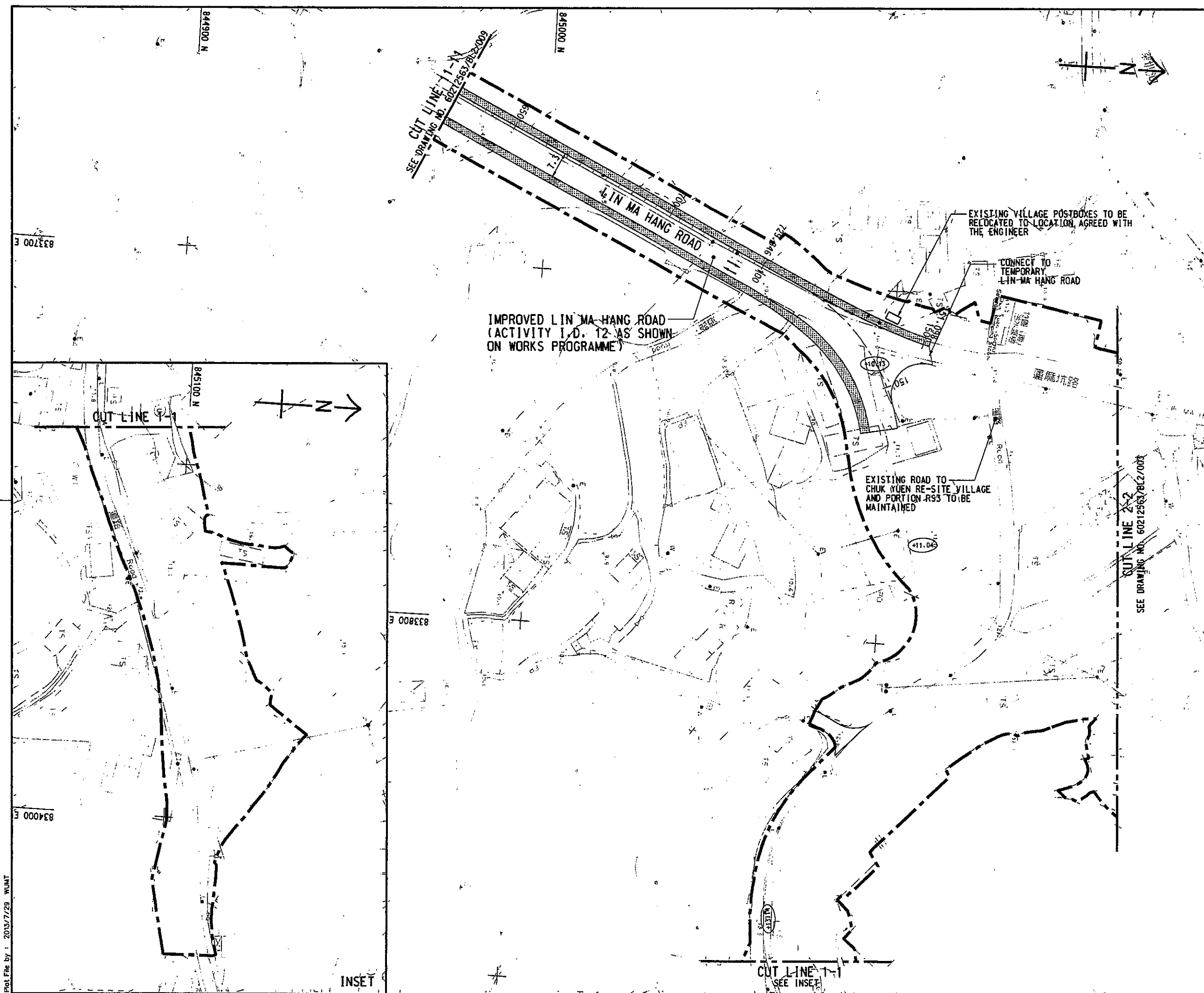
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NOTE:
1. ALL LEVELS SHOWN ARE INDICATIVE ONLY.

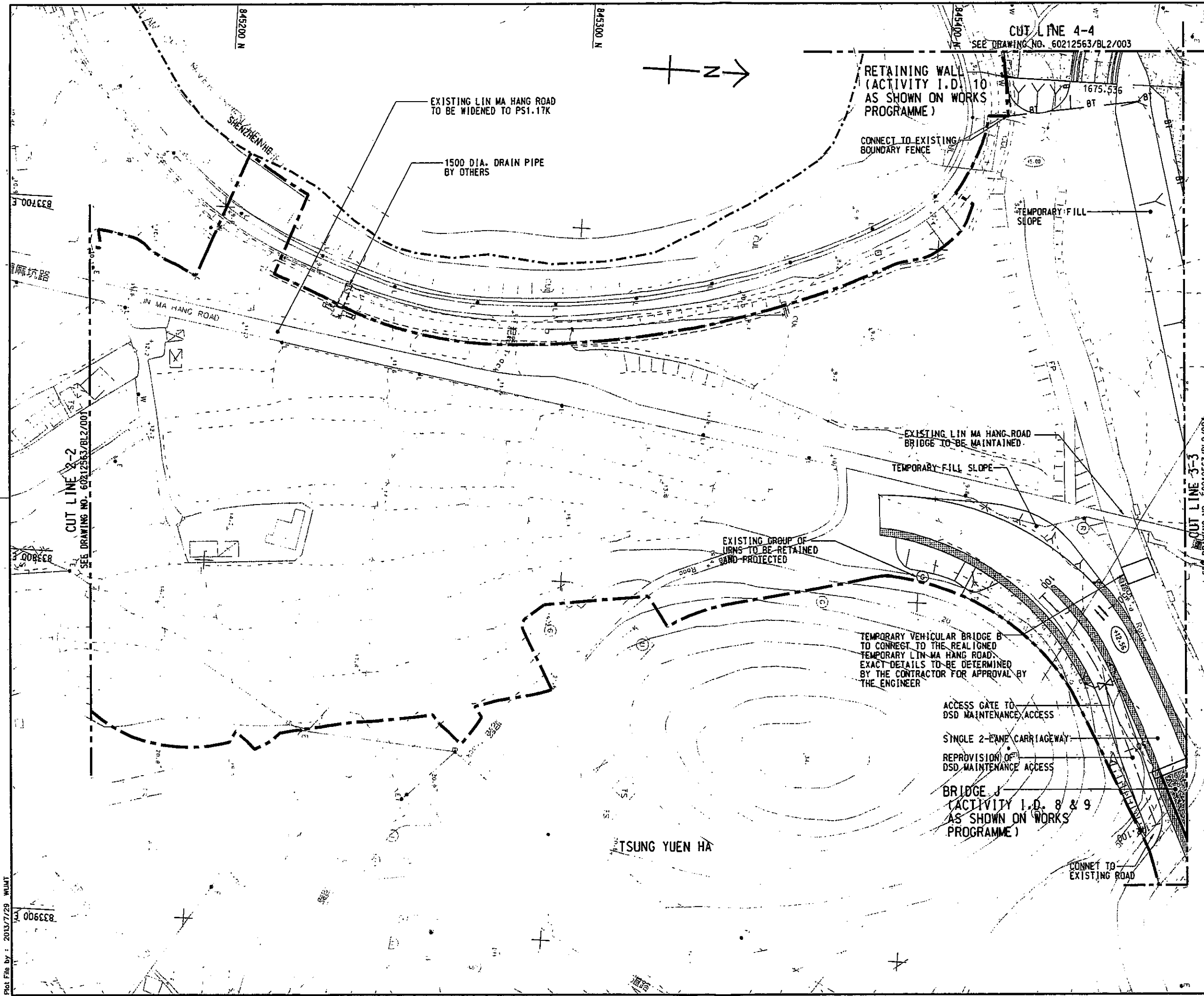
- LEGEND:**
- SITE BOUNDARY
 - - - SECONDARY BOUNDARY FENCE ALONG THE OUTER SIDE OF THE PERIMETER ROAD. REFER DRAWING NO. 60212563/CS/COO/1252.
 - - - B1 - SOUTH EAST SECONDARY BOUNDARY FENCE ALONG THE OUTER SIDE OF THE PERIMETER ROAD AND CONNECTING TO THE EXISTING BOUNDARY FENCE. REFER DRAWING NO. 60212563/CS/COO/1252.
 - - - BT - TEMPORARY BOUNDARY FENCE. THE HEIGHT OF TEMPORARY FENCE WALL SHALL NOT BE LESS THAN 3.5m. THE EXACT ARRANGEMENT SHALL BE AGREED BY HKPF.
 - (+19.70) ROAD LEVEL / GROUND LEVEL
 - III OPEN CUT SLOPE
 - YY COMPACTED FILL SLOPE
 - ▲ CANTILEVER RETAINING WALL
 - ▲ L-SHAPE RC RETAINING WALL
 - ▲ L-SHAPE RETAINING WALL WITH SECONDARY BOUNDARY FENCE ON TOP
 - VIADUCT SECTION
 - FOOTPATH
 - SITE FORMATION OF LAND DEVELOPMENT OF THE AREA BCPA (ACTIVITY I.D. 5)
 - SITE FORMATION OF LAND DEVELOPMENT OF THE AREA BCPB (ACTIVITY I.D. 11)
 - SITE FORMATION OF LAND DEVELOPMENT OF THE AREA BCPC (ACTIVITY I.D. 11)
 - SITE FORMATION OF LAND DEVELOPMENT OF THE AREA BCPD (ACTIVITY I.D. 11)

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 Civil Engineering and Development Department
 LIANTANG/HUING YUEN WAI BOUNDARY CONTROL POINT AND ASSOCIATED WORKS (SITE FORMATION AND INFRASTRUCTURES) - DESIGN AND CONSTRUCTION
GENERAL LAYOUT
 SHEET 1 OF 9



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GENERAL LAYOUT
 SHEET 2 OF 9


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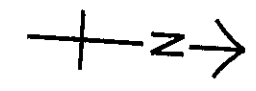
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84500 N

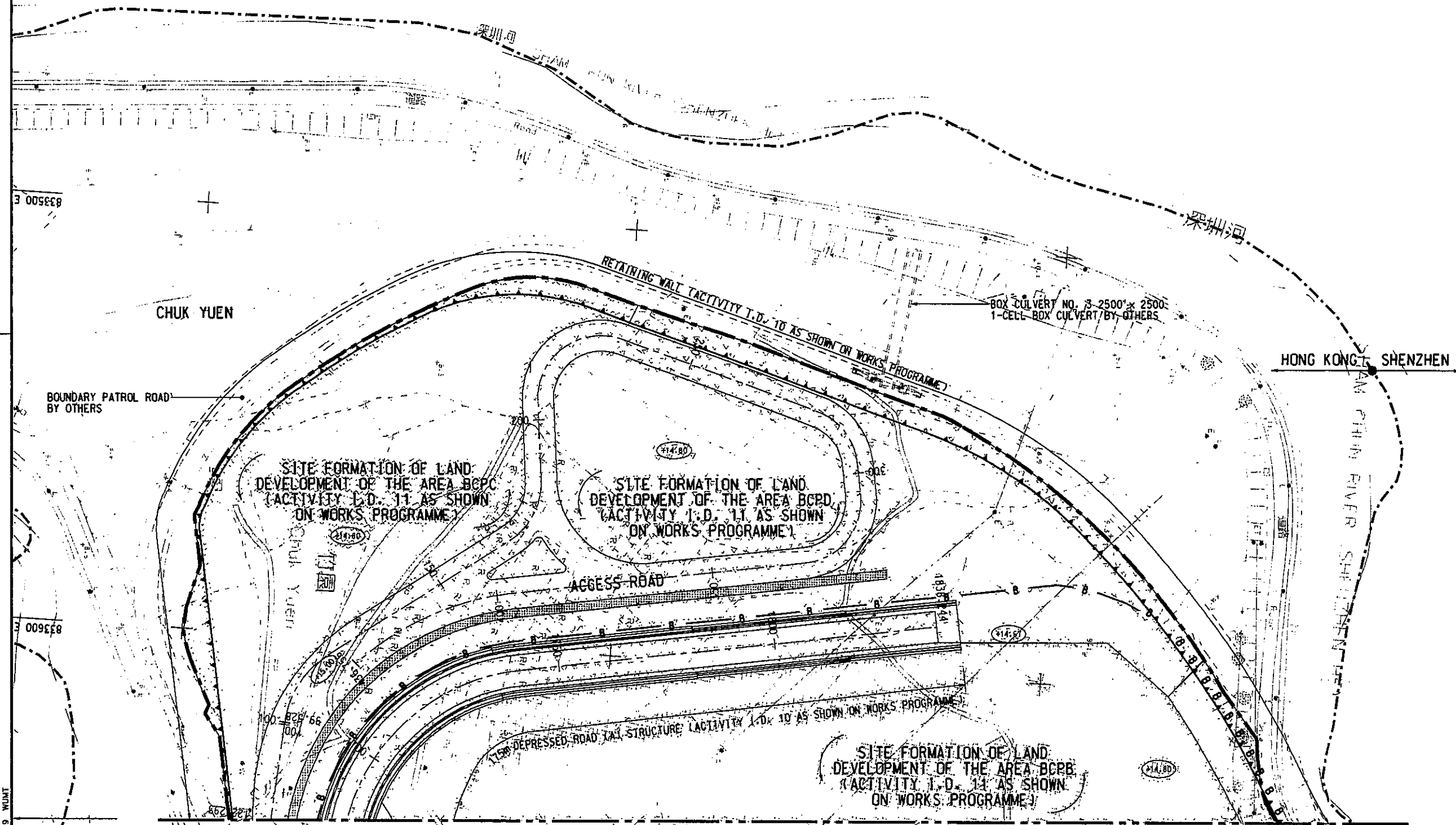
84500 N

84500 N



SHENZHEN SHI

NOTE:
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833500 E

CHUK YUEN

BOUNDARY PATROL ROAD BY OTHERS

SITE FORMATION OF LAND DEVELOPMENT OF THE AREA BCPC (ACTIVITY I.D. 11 AS SHOWN ON WORKS PROGRAMME)

SITE FORMATION OF LAND DEVELOPMENT OF THE AREA BCRB (ACTIVITY I.D. 11 AS SHOWN ON WORKS PROGRAMME)

ACCESS ROAD

BOX CULVERT NO. 3 2500' x 2500' 1-CELL BOX CULVERT/BY OTHERS

HONG KONG SHENZHEN

SHEWAN RIVER

CHUK YUEN

SITE FORMATION OF LAND DEVELOPMENT OF THE AREA BCRB (ACTIVITY I.D. 11 AS SHOWN ON WORKS PROGRAMME)

DEPRESSED ROAD (A1 STRUCTURE) (ACTIVITY I.D. 10 AS SHOWN ON WORKS PROGRAMME)

GUT LINE 4-4

SEE DRAWING NO. 60212563/BL2/002 & 004

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GENERAL LAYOUT

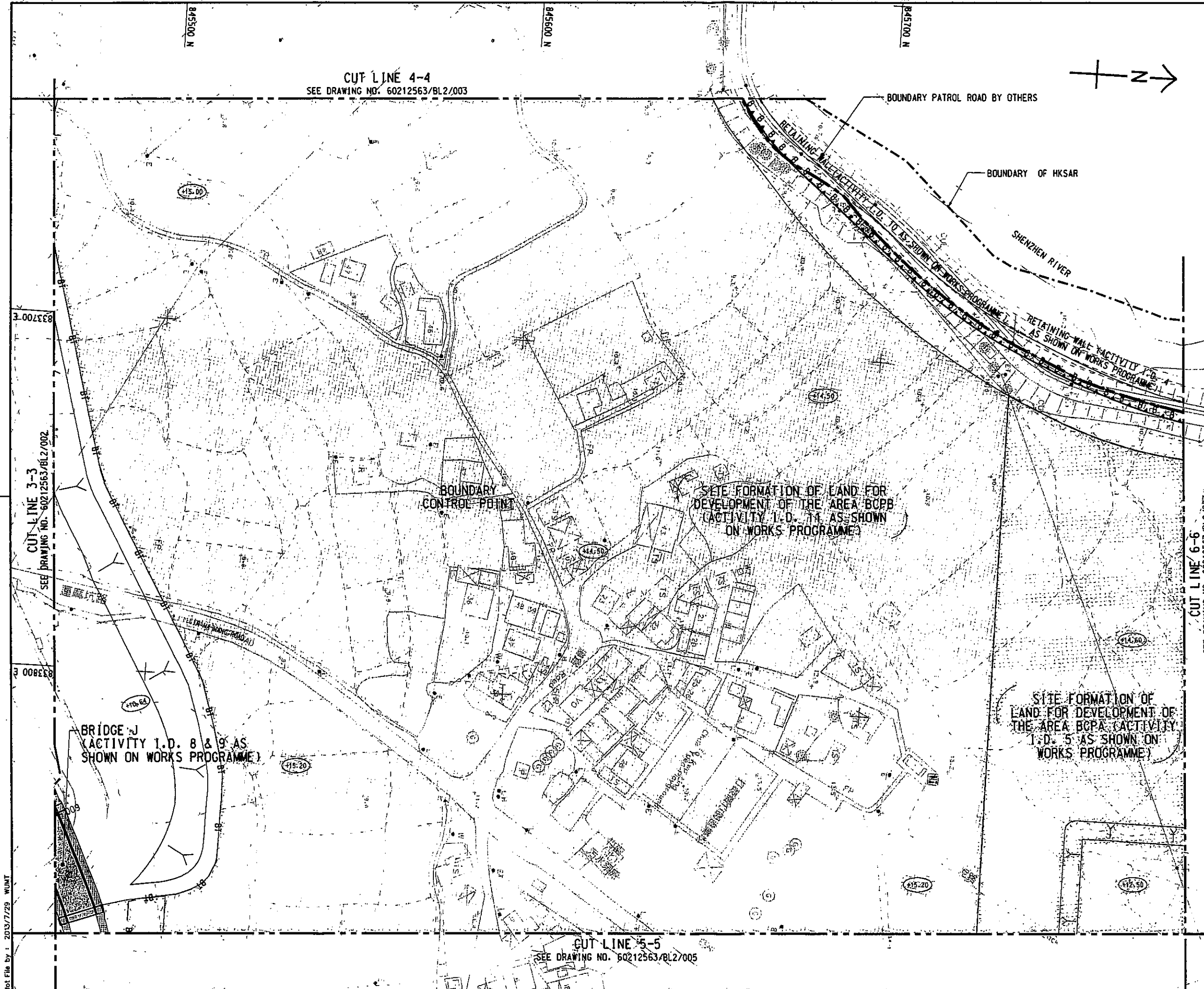
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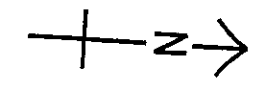
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CEPD 土木工程拓展署
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LANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT AND ASSOCIATED WORKS (SITE FORMATION AND INFRASTRUCTURES) - DESIGN AND CONSTRUCTION

GENERAL LAYOUT
 SHEET 4 OF 9

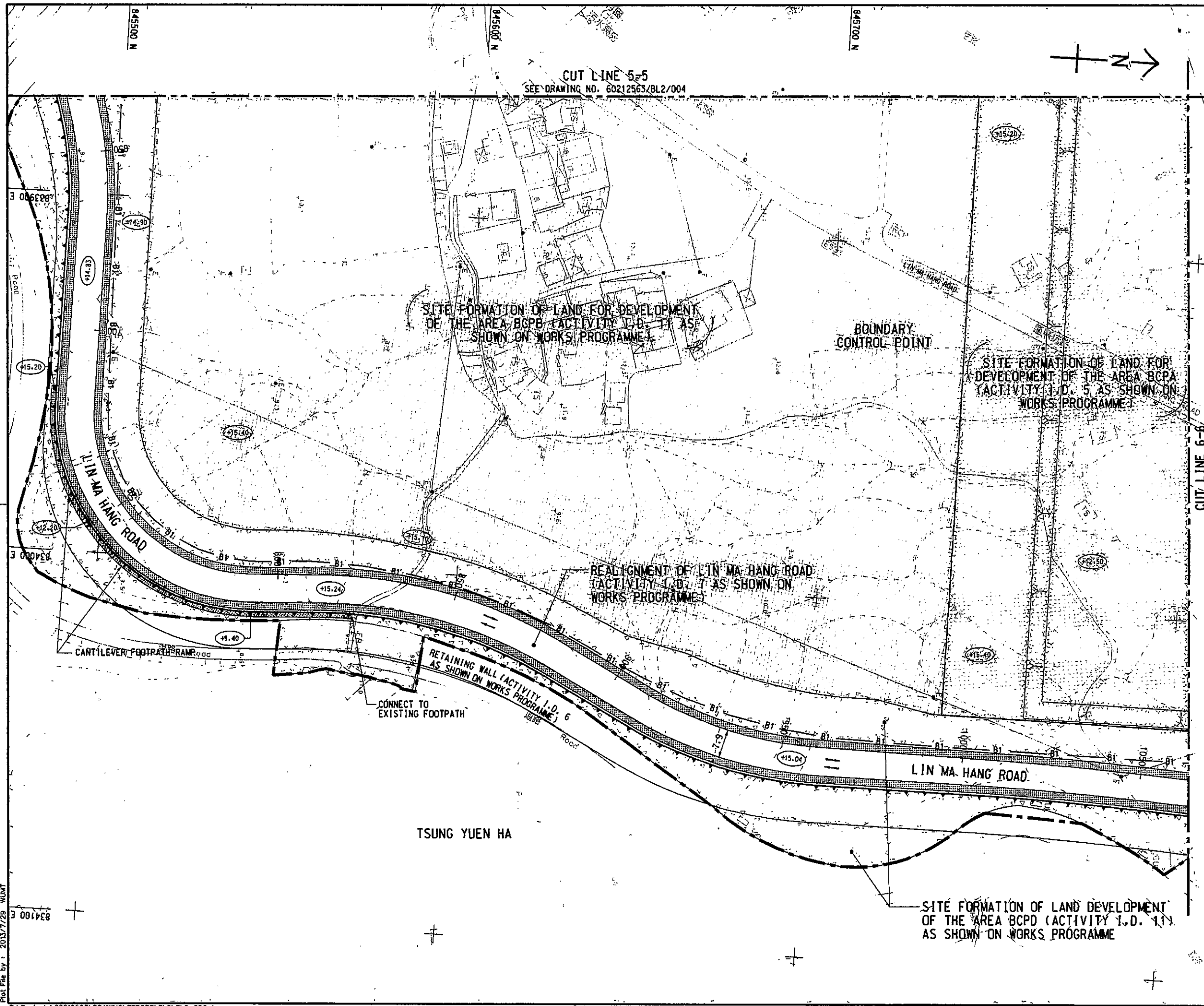
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LANTANG/HUNG YUEN WAI BOUNDARY CONTROL POINT AND ASSOCIATED WORKS (SITE FORMATION AND INFRASTRUCTURES) - DESIGN AND CONSTRUCTION

GENERAL LAYOUT

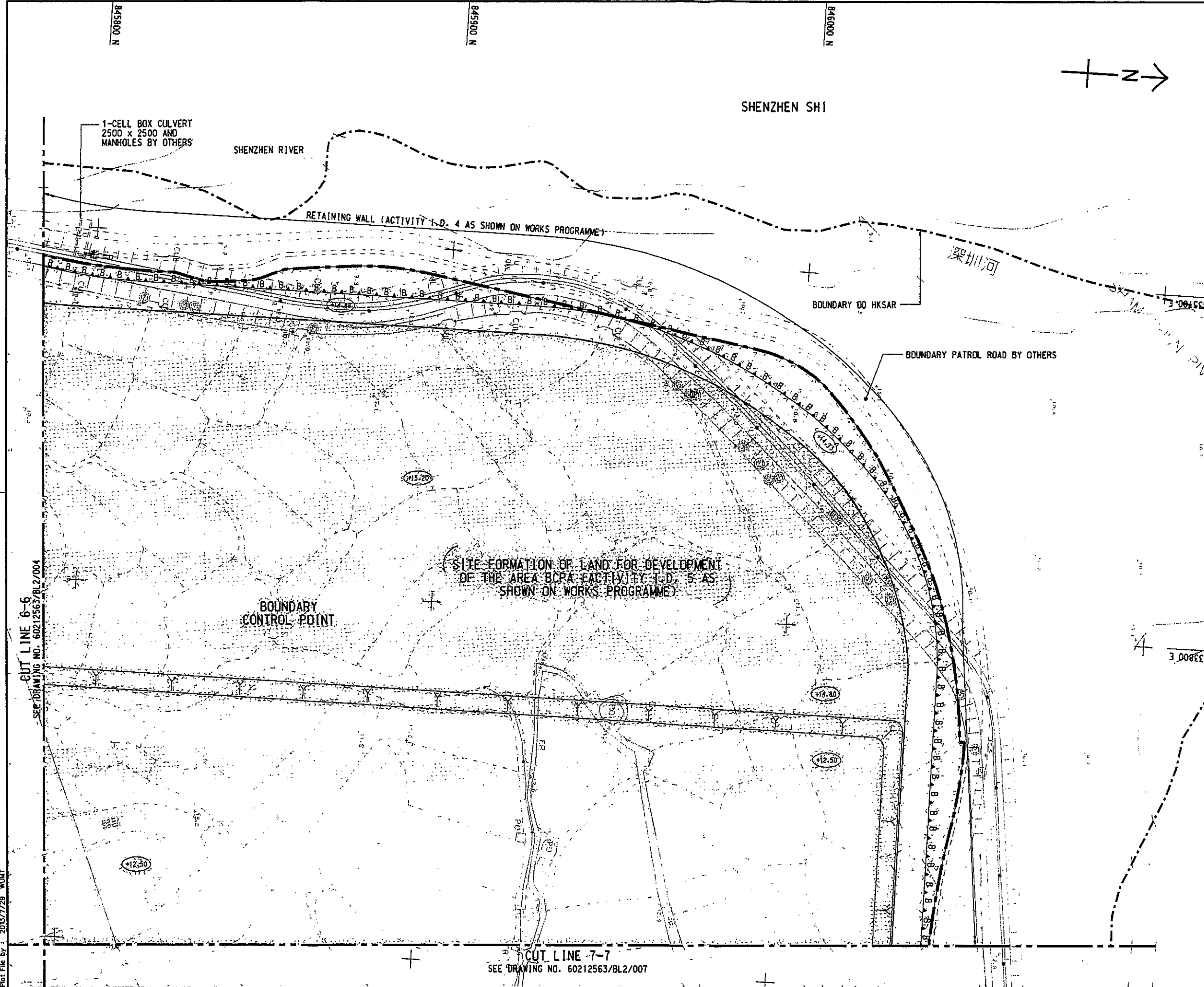
SHEET 5 OF 9

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CUT LINE 7-7
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Civil Engineering and
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LIANTANG/HUNG YUEN WAI BOUNDARY
CONTROL POINT AND ASSOCIATED WORKS
(SITE FORMATION AND INFRASTRUCTURES)
- DESIGN AND CONSTRUCTION

GENERAL LAYOUT

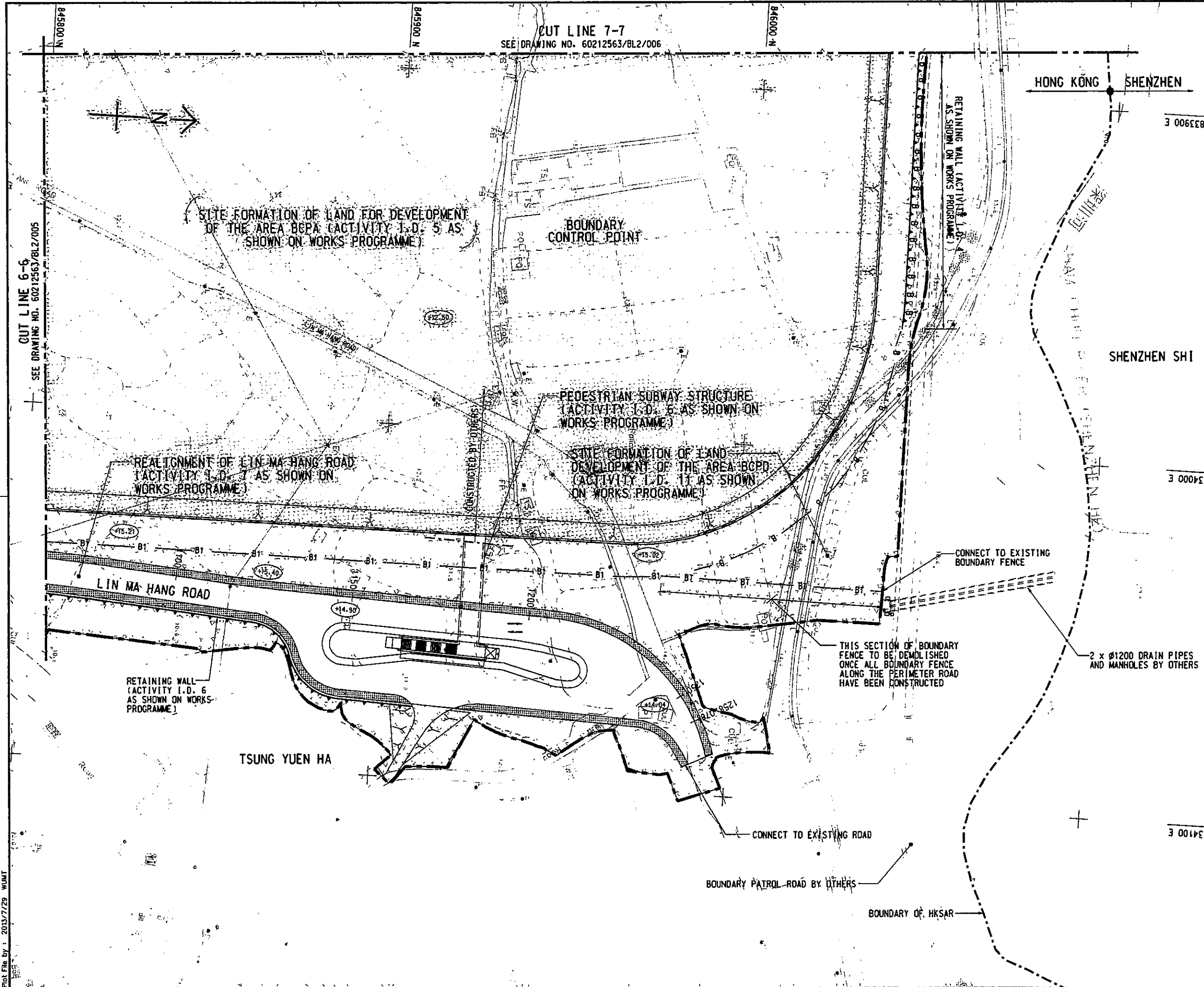
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 Civil Engineering and
 Development Department

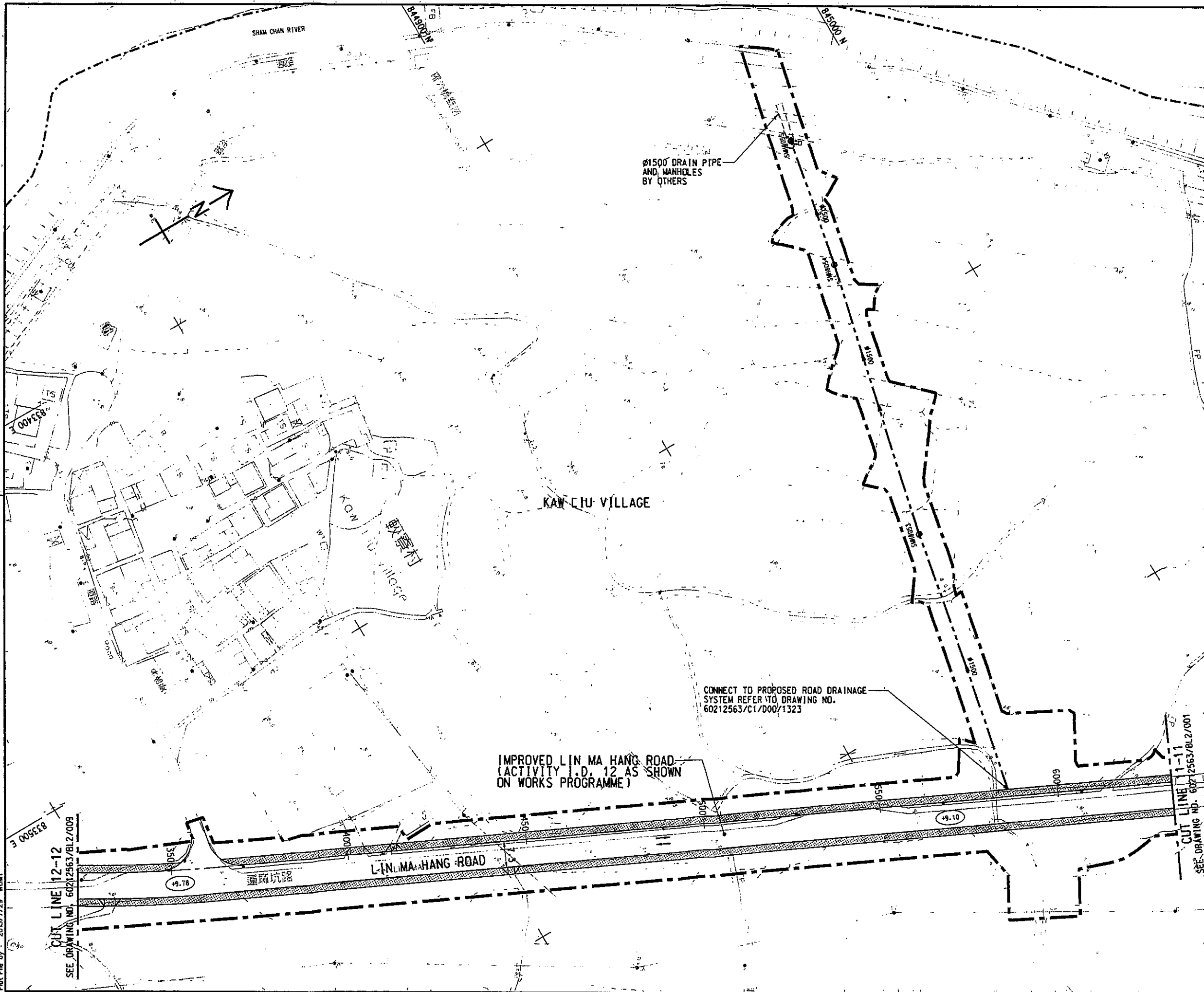
LIANTANG/HUANG YUEN WAI BOUNDARY
 CONTROL POINT AND ASSOCIATED WORKS
 (SITE FORMATION AND INFRASTRUCTURES)
 - DESIGN AND CONSTRUCTION

GENERAL LAYOUT
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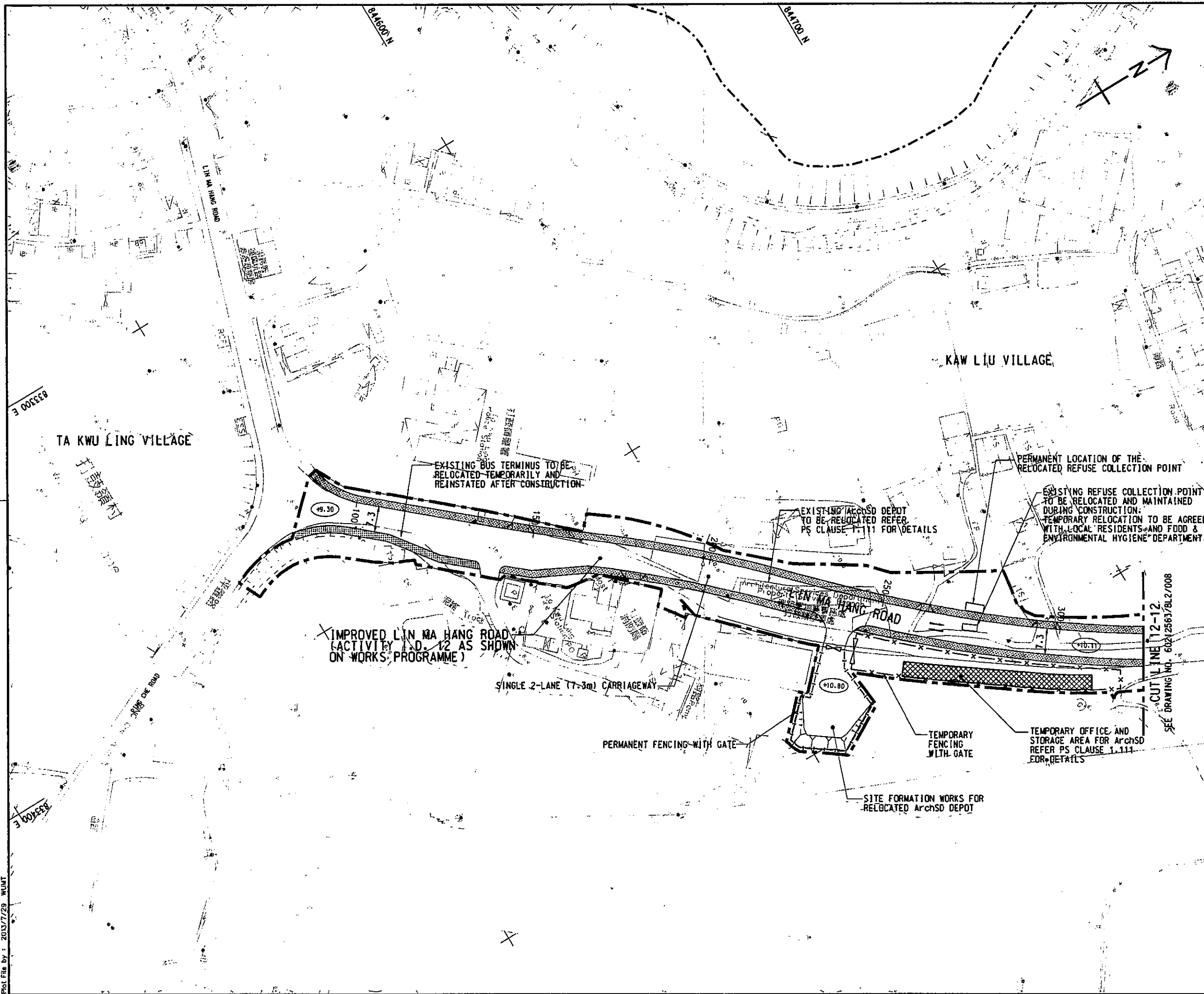
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GENERAL LAYOUT

SHEET 9 OF 9

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