Land Filling Plan Submission in support of

S16 Planning Application

for Proposed Crane Vehicles Park
for a Period of 3 Years in "Agricultural" zone

at Lot 768 and 769 in DD78, Chuk Yuen Village, Ta Kwu Ling,
New Territories

(HT25059)

August 2025

Geotechnical Consultant:

何田顧問工程師有限公司
HO TIN & ASSOCIATES
CONSULTING ENGINEERS LIMITED
[redacted]

Prepared & approved by	LEE Kwok Cheung *RPE(Geo, Civil, Env)*	

1. Background

1.1 With respect to a S16 Planning Application for a Proposed Crane Vehicles Park for a Period of 3 Years in "Agricultural" zone at Lot 768 and 769 in DD78, Chuk Yuen Village, Ta Kwu Ling, New Territories, Messrs. Ho Tin & Associates Consulting Engineers Limited was appointed to prepare a land filling plan submission.

1.2 A separate Drainage Submission is also prepared and submitted under the subject Section 16 Planning Application. Drainage issues related to the subject site/development shall be referred to the Drainage Submission.

2. The Subject Site and Proposed Development

2.1 The subject site with a total site area of about 1,725m^2 comprises of Lot 768 and 769 in DD78, Chuk Yuen Village, Ta Kwu Ling, New Territories. It is located at about 300m to the northeast of Chuk Yuen Village and between a local road running along the southeast side and an existing watercourse running along the northwest side. Site Location Plan and Site Plan is shown in **Figure D1** and **D2** respectively.

2.2 The proposed development consists of two numbers of parking area of which each area can accommodate three lorry cranes under a 7m high shelter (225m^2 area) and two additional parking spaces for staff/visitors. A plan showing the proposed site layout is at **Figure D3**.

3. Existing Subject Site Conditions

3.1 The subject site was formerly a chicken farm and is vacant at present. It consists of several small platforms at different levels to accommodate the pre-existing farm structures. In general, the existing ground of the subject site slope from the east to the west, and the existing subject site levels vary at about +20.5mPD on the south to about +22.5mPD on the north.

3.2 There is no prominent engineering channels within the subject site. Surface runoff of the concerned area including the subject site would flow westward due to gravity into the existing watercourse running near the northwest side of the subject site. The watercourse runs toward the northwest direction further until reaching an existing

nullah near Lin Ma Hang Road. The existing watercourses in the vicinity of the subject site are shown in **Figure D4**.

3.3 Current conditions of the subject site and its surrounding areas are shown in the following photos (photo taking locations are shown on **Figure D2**):

	
Plate 1 – Existing entrance of the subject site	Plate 2
	
Plate 3	Plate 4
	
Plate 5	Plate 6

Plate 7 – Existing pond outside the western corner of the subject site

Plate 8 – Viewing toward the existing entrance within the subject site

Plate 9

Plate 10

Plate 11

Plate 12

	
Plate 13 – Existing sloping ground to the east of the subject site	Plate 14 – Viewing toward the south of the subject site
	
Plate 15 – Viewing toward the west of the subject site	Plate 16 – Viewing toward the north of the subject site

4. Proposed Land Filling Activities

4.1 The subject site is a small site with a total site area of about 1,725m^2. The existing subject site levels are proposed to be graded to form a gently sloping platform to accommodate the proposed crane vehicles park use. In order to protect the formed platform from erosion, the surface of the formed platform would be paved with 50mm thick bituminous material. The Proposed Land Filling Plan and Site Sections is as shown in **Figure SF1** and **SF2** respectively.

4.2 In accordance with the recommendations in the separate Drainage Submission, new peripheral 525mm U channel at 1 in 200 gradient is proposed to be constructed for the subject development. A Proposed Stormwater Drainage Layout Plan is shown in **Figure D5**.

4.3 Extent of the proposed land filling works would be as follows:

(i) Area of filling: in principle, the existing ground levels of the whole subject site will be graded in order to form a smooth sloping platform to facilitate the proposed crane vehicles park use. Therefore, the total grading area is about 1,725m^2.

(ii) Volume of bituminous material (for surface protection): about 1,725 x 0.05 = 86.25m^3.

Volume of fill material: about 762m^3,

Volume of cut material: about 200m^3,

Net volume of fill material: about 562m^3.

(iii) Height of filling: the maximum height of filling would be about 1 meter above the existing ground level.

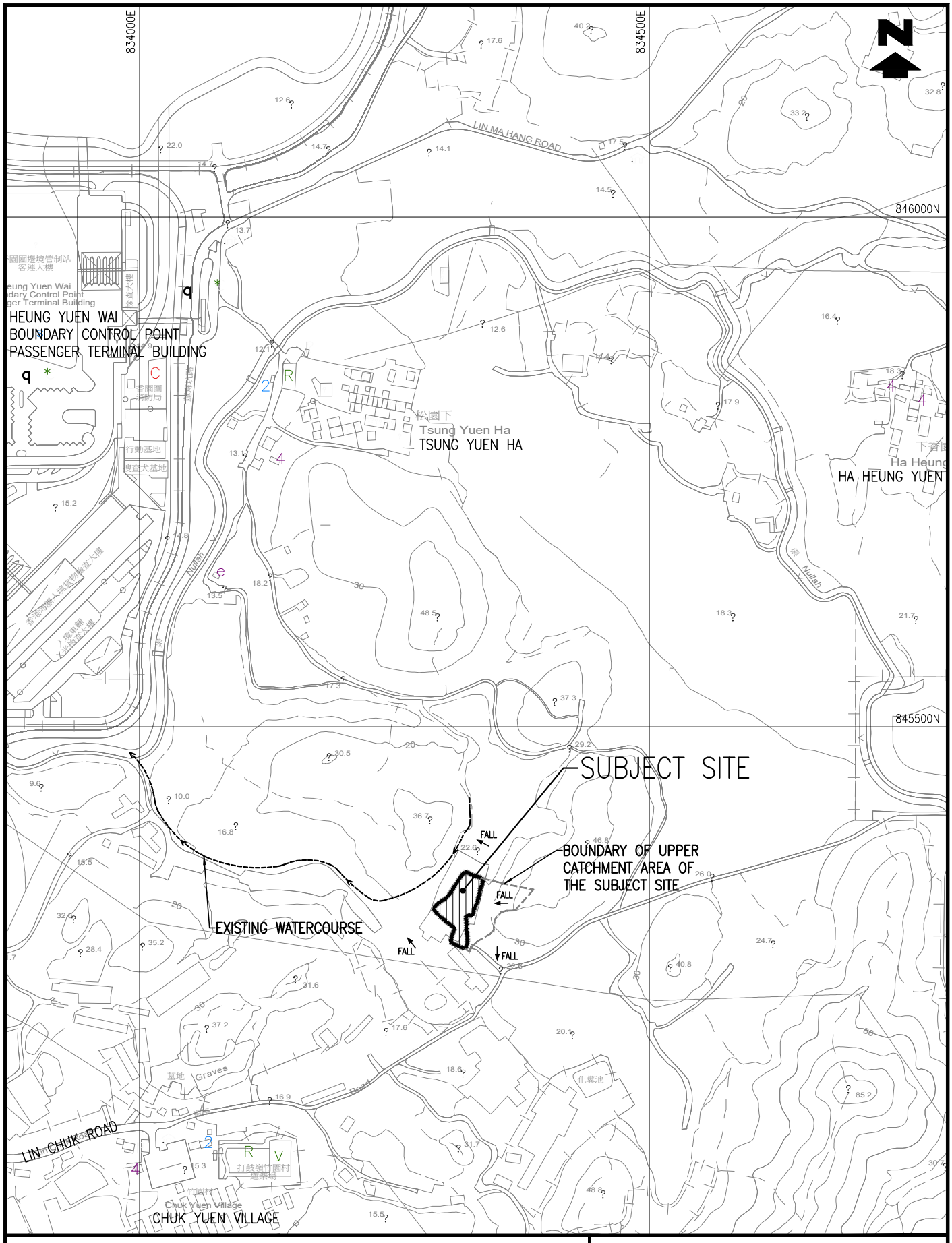
4.4 Fill material: in addition to the 50mm thick bituminous material paved on the top of the platform, the fill material shall comply with the general fill material as specified in the General Specification for Civil Engineering Works (2020 Edition) of the HKSAR.

4.5 Method: deposition and compaction of fill material shall comply with relevant requirements as specified in the General Specification for Civil Engineering Works (2020 Edition) of the HKSAR.

5. Conclusion and Recommendations

5.1 The subject development as Crane Vehicles Park in "Agricultural" zone will be for temporary use for a period of 3 years. The existing site levels would be graded to form a gently sloping platform to accommodate the proposed crane vehicles park use.

5.2 The proposed land filling works would merely consist of grading the existing ground levels in associated with construction of peripheral channels. It would not cause any adverse impacts onto the surroundings.



TITLE

SITE LOCATION PLAN

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SCALE
1 : 5000 – A4

DRAWING No.
FIGURE D1

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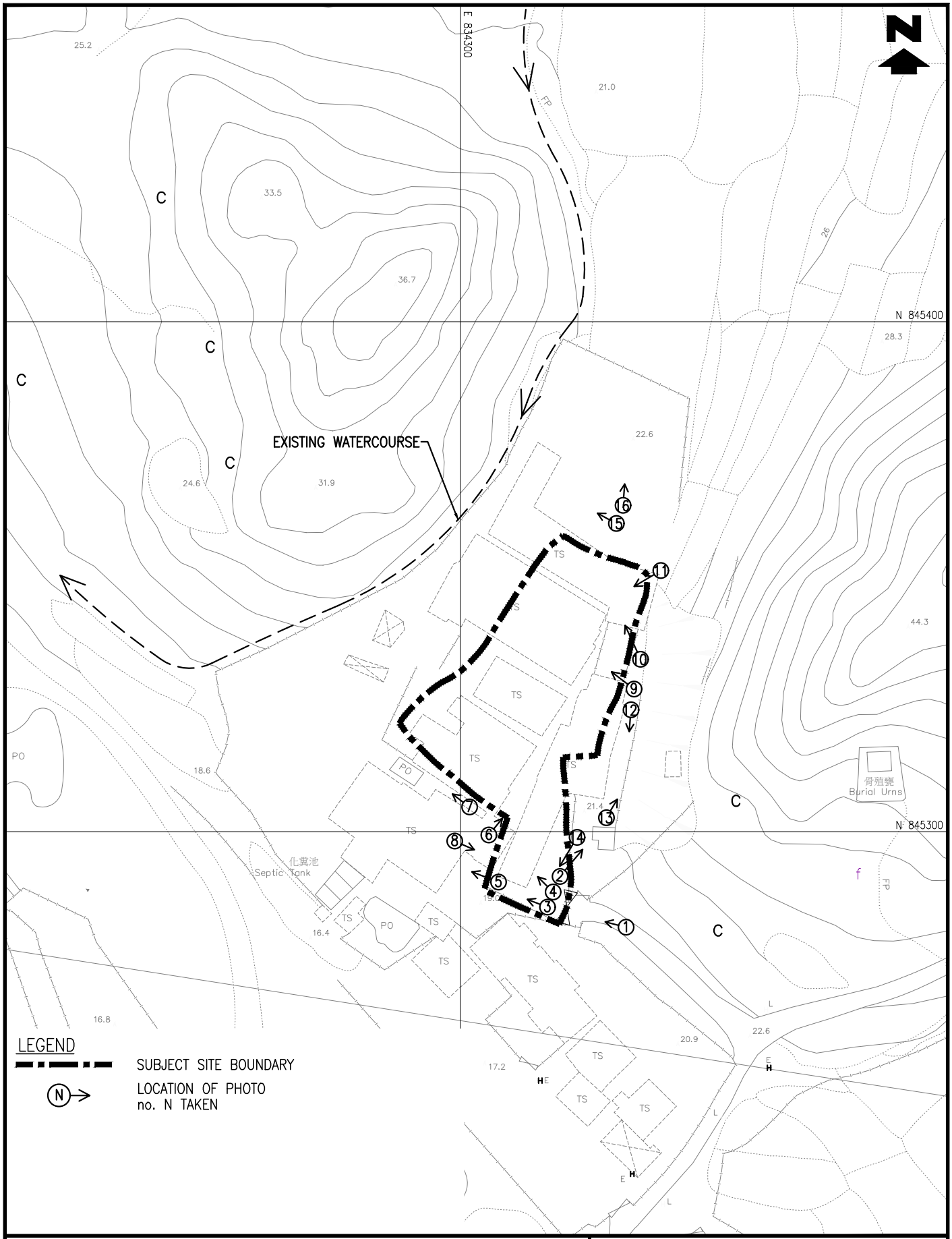

TITLE

EXISTING DRAINAGE AND LOCATIONS OF PHOTO TAKEN

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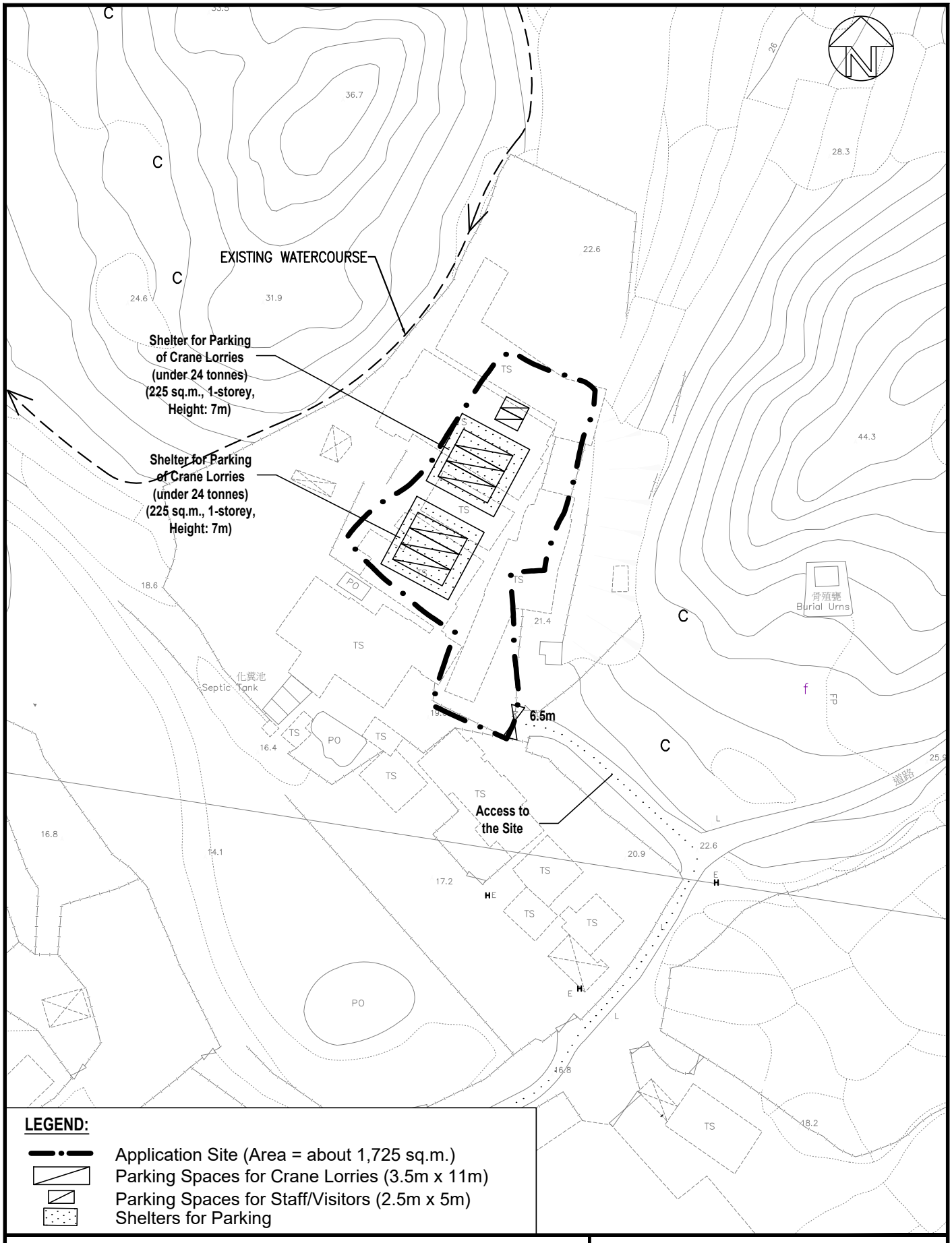
SCALE
1 : 1000 – A4

DRAWING No.
FIGURE D2

H:\25059_ChukYuenVillage\DRAWING\25059_FIGD2_00 FIGD3_00 FIGD4_00 & FIGD5_00.dwg, 3/6/2025 14:51:40



LEGEND:

- Application Site (Area = about 1,725 sq.m.)
- Parking Spaces for Crane Lorries (3.5m x 11m)
- Parking Spaces for Staff/Visitors (2.5m x 5m)
- Shelters for Parking

TITLE

LAYOUT PLAN

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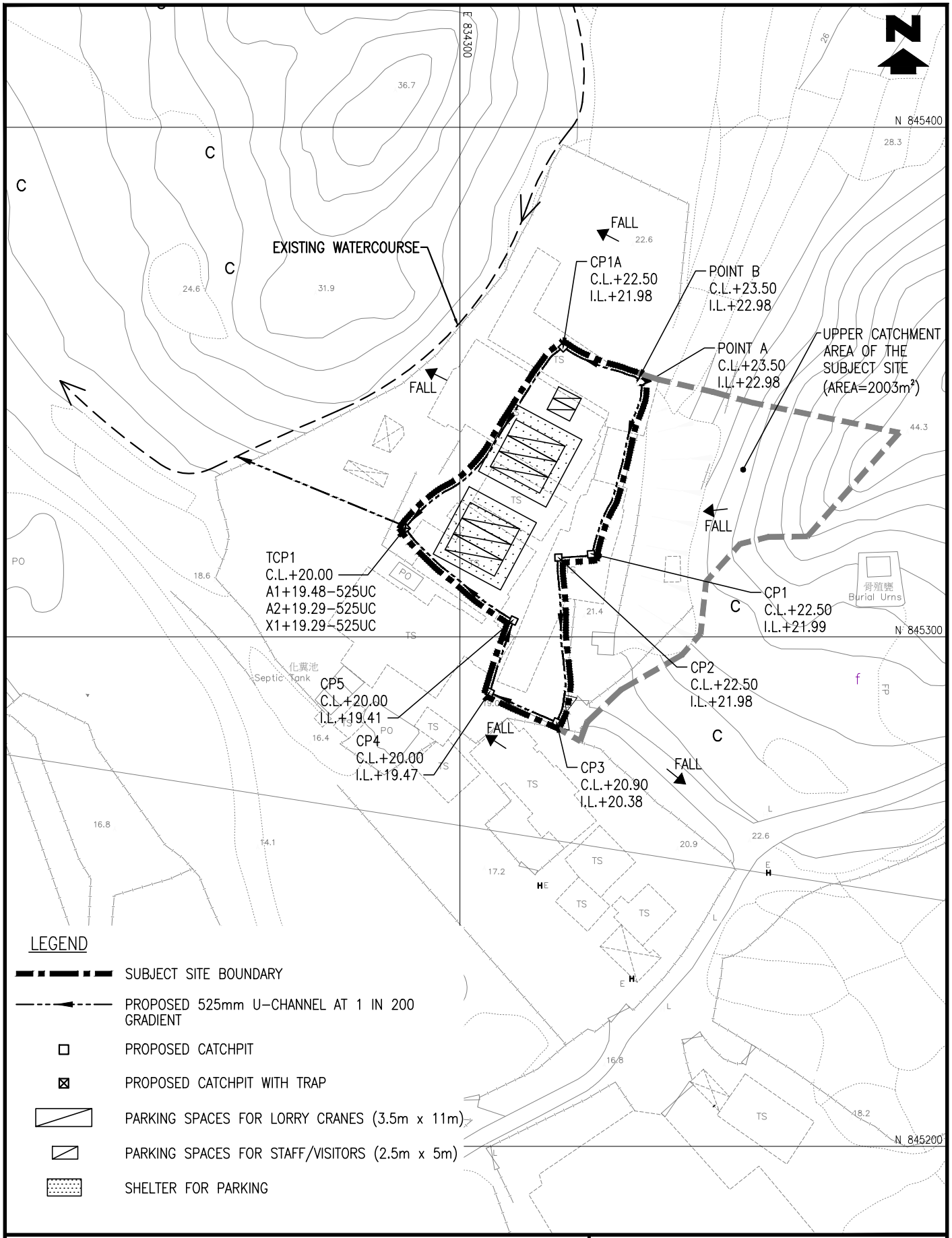
1 : 1000 – A4

DRAWING No.
FIGURE D3

H:\25059_ChukYuenVillage\DRAWING\25059_FIGD2_00 FIGD3_01 FIGD4_00 & FIGD5_01.dwg, 15/8/2025 16:43:16

	PROJECT	何田顧問工程師有限公司 HO TIN & ASSOCIATES CONSULTING ENGINEERS LIMITED	
	TITLE EXISTING WATERCOURSES IN THE VICINITY OF THE SUBJECT SITE	SCALE N.T.S.	DRAWING No. FIGURE D4



TITLE

PROPOSED STORMWATER DRAINAGE LAYOUT PLAN

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1 : 1000 – A4

DRAWING No.
FIGURE D5

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EXISTING WATERCOURSE

CP1A
C.L.+22.50
I.L.+21.98

POINT B
C.L.+23.50
I.L.+22.98

POINT A
C.L.+23.50
I.L.+22.98

CP1
C.L.+22.50
I.L.+21.99

CP2
C.L.+22.50
I.L.+21.98

CP3
C.L.+20.90
I.L.+20.38

CP4
C.L.+20.00
I.L.+19.47

CP5
C.L.+20.00
I.L.+19.41

TCP1
C.L.+20.00
A1+19.48-525UC
A2+19.29-525UC
X1+19.29-525UC

FALL

N 845350

N 845300

E 834300

E 834350

834300E

834330E

TS

Pond

Septic tank

EP

T1 T2 T3 T4 T5 T6 T7 T8 T9 T10 T11 T13 T14 T15 T16 T17 T18 T19

LEGEND

- PROPOSED LAND FILLING BOUNDARY
- SUBJECT SITE BOUNDARY
- 20.9 PROPOSED FINISHED LEVEL
- PROPOSED 525mm U-CHANNEL AT 1 IN 200 GRADIENT
- PROPOSED CATCHPIT
- PROPOSED CATCHPIT WITH TRAP
- 19.90 EXISTING GROUND LEVEL

PROJECT

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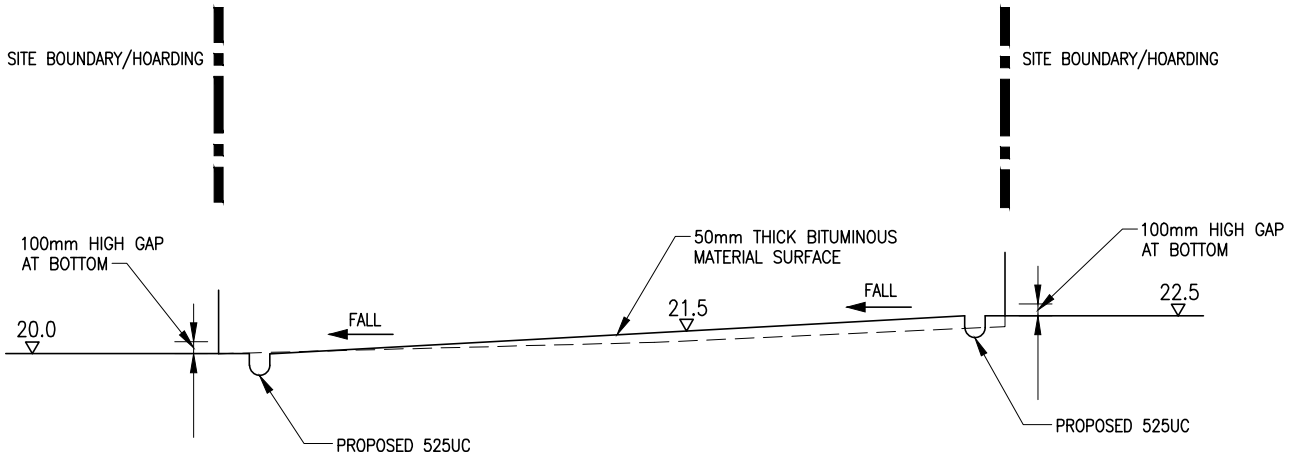
TITLE

PROPOSED LAND FILLING PLAN

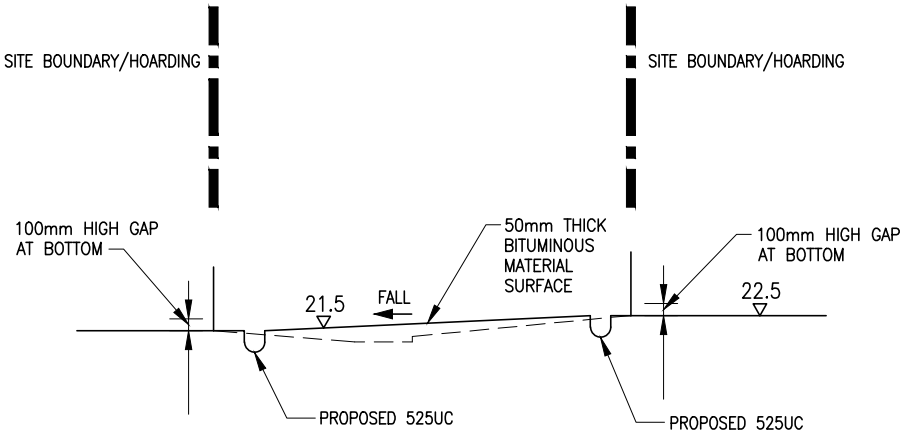
SCALE
1 : 300 - A3

DRAWING No.
FIGURE SF1

H:\25059_ChukYuenVillage\DRAWING\25059_FIGSF1_01 & FIGSF2_00.dwg, 18/8/2025 9:38:58



SECTION 'X'–'X'

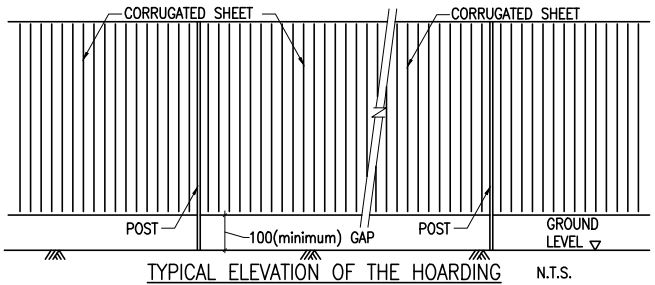


SECTION 'Y'–'Y'

LEGEND

PROPOSED FINISHED LEVEL

EXISTING LEVEL



TYPICAL ELEVATION OF THE HOARDING WITH 100mm HIGH GAP AT BOTTOM N.T.S.

TITLE

SITE SECTIONS

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1 : 500 – A4

DRAWING No.

FIGURE SF2