

Our Ref.: DD112 Lot 110 S.A RP & VL
Your Ref.: TPB/A/YL-SK/400

The Secretary,
Town Planning Board,
15/F, North Point Government Offices,
333 Java Road,
North Point, Hong Kong

By Email

10 April 2025

Dear Sir,

1st Further Information

**Proposed Temporary Place of Recreation, Sports or Culture with Ancillary Facilities
for a Period of 3 Years and Associated Filling of Land in "Agriculture" Zone,
Lots 110 S.A RP, 110 S.B, 110 S.C, 110 S.D ss.1 S.A, 110 S.D ss. 1 RP, 110 S.D ss.2, 110 S.D ss.3
and 110 S.D RP in D.D. 112, Shek Kong, Yuen Long, New Territories**

(S.16 Planning Application No. A/YL-SK/400)

We write to submit further information in response to department comments of the subject application.

Should you require more information regarding the application, please contact our Mr. Danny NG at [REDACTED] or the undersigned at your convenience. Thank you for your kind attention.

Yours faithfully,

For and on behalf of
R-riches Property Consultants Limited



Christian CHIM
Town Planner

cc DPO/FSYLE, PlanD

(Attn.: Ms. Karen CHAN [REDACTED])



Response-to-Comment

**Proposed Temporary Place of Recreation, Sports or Culture
with Ancillary Facilities for a Period of 3 Years and Associated Filling of Land
Lots 110 S.A RP, 110 S.B, 110 S.C, 110 S.D ss.1 S.A, 110 S.D ss. 1 RP, 110 S.D ss.2, 110 S.D ss.3
and 110 S.D RP in D.D. 112, Shek Kong, Yuen Long, New Territories**

(Application No. A/YL-SK/400)

(i) The applicant provides the following clarifications on the captioned application:

- due to the fact that the applicant's contractor did not construct the proposed run-in/out in accordance with Highways Department (HyD) Standard, the applicant was unable to comply with the approval condition in relation to the modification work proposal of the existing public footpath and associated street furniture under previous application No. A/YL-SK/306. The applicant has submitted a revised proposal for HyD's consideration (see Part 3 of the RtC table below). Upon acceptance by HyD, the applicant undertakes to reconstruct the run-in/out in accordance with the latest version of HyD Standard Drawings.; and
- the solar-voltaic panels installed above the structures at the application site only serve to support the operation of the proposed development.

(ii) A RtC Table:

Departmental Comments		Applicant's Responses
1. Comments of the Director of Fire Services (D of FS)		
(a)	Structures on the same site are regarded as adjoining structures if they are less than 1.8 m apart. In this regard, sprinkler system, modified hose reel system, fire alarm system, emergency lighting, directional and exit signs and portable fire extinguishers shall be provided to Structures B1 and B2 as the total floor area exceeds 230 m ² ; and	Kindly note that Structures B1 and B2 are about 5.7 m apart. As such, the floor area of each structure should be considered separately, where no structure has exceeded the total floor area of 230 m ² . Illustrations of the distance between each structure have been added onto the enclosed revised fire service installations (FSI) proposal at Annex 1 .
(b)	The standards and specification of the proposed directional and exit signs shall be revised to 'BS 5266-1:2016 and the FSD Circular Letter No. 5/2008'.	Noted. Please refer to the revised FSI proposal at Annex 1 .

Departmental Comments		Applicant's Responses
2. Comments of the Chief Engineer/Mainland North, Drainage Services Department (CE/MN, DSD)		
(a)	Please refer to the Stormwater Drainage Manual Corrigendum No. 1/2024 (26 March 2024) for the design calculations.	Noted. Please refer to the updated design calculation in the revised drainage proposal at Annex 2 .
(b)	Please refer to the Stormwater Drainage Manual Corrigendum No. 1/2022 and take into account the rainfall increase due to climate change for the design calculations.	Noted. Further to the discussion with DSD, the rainfall increase of 11.1% is adopted.
(c)	According to section 6.6.1 of the Stormwater Drainage Manual, the impact of a 50-year event should be assessed in the planning and design of village system to check whether a higher standard than 10 years is justified.	Noted. 1 in 50 year event is adopted. Please refer to the updated design calculation in the revised drainage proposal.
(d)	The application site is in the vicinity of an existing channel. The applicant shall be required to place all the proposed works 3m away from the top of the bank of the channel. All the proposed works in the vicinity of the channel should not create any adverse drainage impacts, both during and after construction. Proposed flooding mitigation measures if necessary shall be provided at the resources of the applicant to my satisfaction.	Noted.
(e)	Please show the C.L at the starting points of the proposed drainage channels.	Noted. Please refer to updated Figure 3 in the revised drainage proposal.
(f)	Please show the connection details at discharge point and indicate all C.L., I.L. and catchpit/watercourse bottom level in the drawing.	Noted. Please refer to updated Figure 3 in the revised drainage proposal.
(g)	Colour photos to indicate the current conditions of the existing drainage facilities i.e. the existing 300 u-channels in zones A1 and A2 should be included in the submission. The photos taken locations and angles should be shown on the layout plan.	Further to the discussion with DSD, please note the existing 300 channels would be upgraded and would not be used. The existing channels would be replaced by an upgraded channel.

(h)	Where walls or hoarding are erected or laid along the site boundary, adequate opening should be provided to intercept the existing overland flow passing through the site.	Noted.
(i)	The applicant shall resolve any conflict/disagreement with relevant lot owner(s) and seek LandsD's permission for laying new drains/channels and/or modifying/upgrading existing ones in other private lots or on Government land outside the application site.	Noted.
(j)	The applicant should submit form HBP1 to this Division for application of technical audit for any proposed connection to DSD's drainage facilities.	Noted.

Departmental Comments		Applicant's Responses
3. Comments of the Chief Highway Engineer/New Territories West (CHE/NTW), HyD		
(a)	Please note that HyD shall not be responsible for the maintenance of any access connecting the application site and Nam Hing West Road.	Noted.
(b)	If the proposed access on Nam Hing West Road is approved by TD, the applicant should ensure a run-in/out is constructed in accordance with the latest version of HyD Standard Drawings no. H1113 and H1114, or H5133, H5134 and H5135, whichever set is appropriate to match with the existing adjacent pavement.	The applicant has submitted a revised run-in/out proposal (Annex 3) for HyD's consideration. Upon acceptance by HyD, the applicant undertakes to reconstruct the run-in/out in accordance with the latest version of HyD Standard Drawings.
(c)	From highways maintenance point of view, the run-in/out proposal on Page 30 of Appendix III of the planning statement is considered not acceptable given its lack of the necessary construction details. The existing run-in/out as pictured in the application were constructed under the previous application No. A/YL-SK/306 and they have not been accepted by this office from highways maintenance point of view. The as-built dimension was also found not consistent with that indicated on Page 30. The applicant should be reminded that it is his responsibility to provide proper run-in/out access to the site as soon as possible for the sake of road user's safety on public roads.	
(d)	Adequate drainage measures shall be provided to prevent surface water running from the application site to the nearby public roads and drains.	Noted. The applicant has submitted a drainage appraisal for the consideration by CE/MN, DSD. Please refer to Part 2 of this table.

- (iii) In order to reflect the revised dimension in the run-in/out proposal, the applicant has submitted the revised layout plan and swept path analysis to rectify the width of the ingress/egress of the application site. The revised plans are enclosed at **Annex 4**.

Annex 1

Revised FSI Proposal

DEVELOPMENT PARAMETERS

APPLICATION SITE AREA	: 2,856 m ²	(ABOUT)
COVERED AREA	: 409 m ²	(ABOUT)
UNCOVERED AREA	: 2,447 m ²	(ABOUT)
PLOT RATIO	: 0.16	(ABOUT)
SITE COVERAGE	: 14 %	(ABOUT)
NO. OF STRUCTURE	: 3	
DOMESTIC GFA	: NOT APPLICABLE	
NON-DOMESTIC GFA	: 472 m ²	(ABOUT)
TOTAL GFA	: 472 m ²	(ABOUT)
BUILDING HEIGHT	: 3 m - 7 m	(ABOUT)
NO. OF STOREY	: 1 - 2	

PARKING AND LOADING / UNLOADING PROVISIONS

NO. OF PRIVATE CAR PARKING SPACE	: 2
DIMENSION OF PARKING SPACE	: 5 m (L) x 2.5 m (W)
NO. OF L/UL SPACE FOR LIGHT BUS / LIGHT GOODS VEHICLE	: 1
DIMENSION OF L/UL SPACE	: 8 m (L) x 3.5 m (W)

FIRE SERVICE INSTALLATIONS

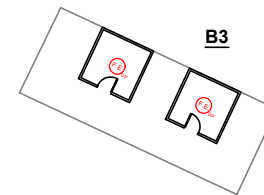
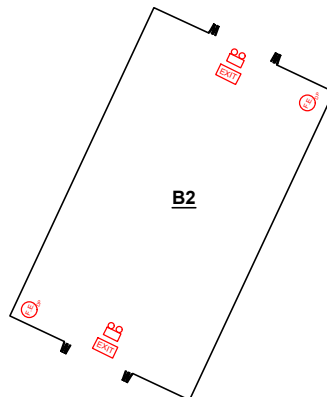
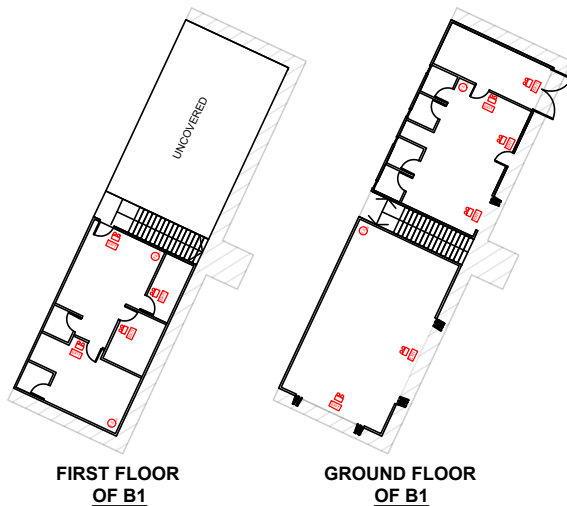
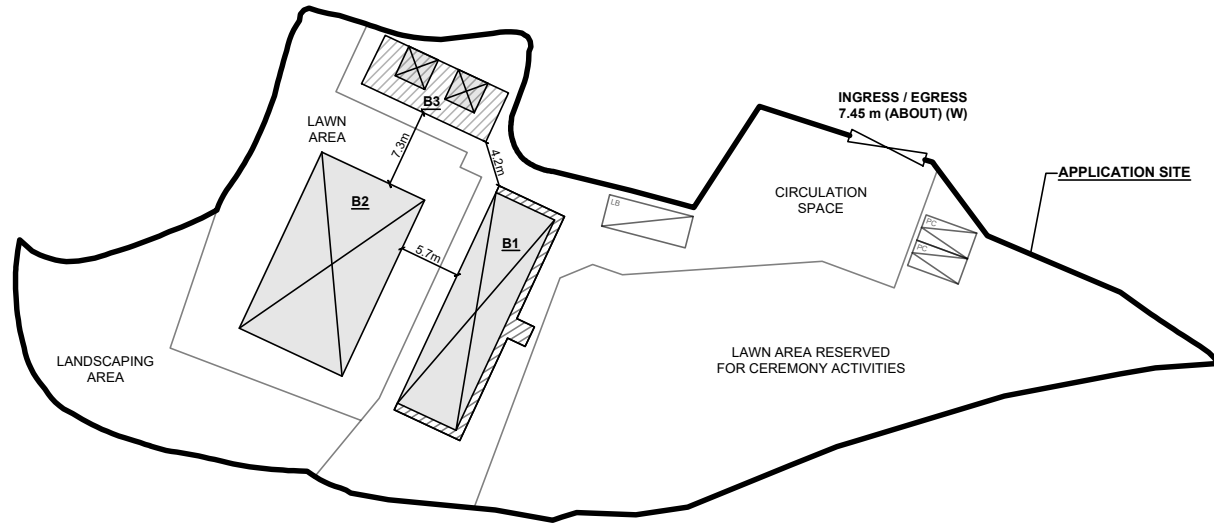
	EMERGENCY LIGHT
	EXIT SIGN
	5 KG DRY POWER TYPE FIRE EXTINGUISHER

FS NOTES:







- SUFFICIENT EMERGENCY LIGHTING SHALL BE PROVIDED THROUGHOUT THE ENTIRE BUILDING IN ACCORDANCE WITH BS5266-1:2016, BS EN1838:2013 AND FSD CIRCULAR LETTER 4/2021.
- SUFFICIENT DIRECTIONAL AND EXIT SIGN SHALL BE PROVIDED IN ACCORDANCE WITH BS 5266-1:2016 AND THE FSD CIRCULAR LETTER NO. 5/2008.
- PORTABLE HAND-OPERATED APPROVED APPLIANCE SHALL BE PROVIDED AS REQUIRED BY OCCUPANCY.
- ACCESS IS PROVIDED FOR EMERGENCY VEHICLE TO REACH 30m OF ALL PART OF STRUCTURES.

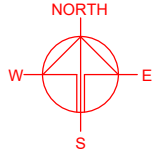
STRUCTURE	USE	COVERED AREA	GFA	BUILDING HEIGHT
B1	CEREMONY ACTIVITY ROOM, WASHROOM SITE OFFICE AND STORE ROOM	157 m ² (ABOUT)*	220 m ² (ABOUT)*	7 m (ABOUT)(2-STOREY)
B2	CEREMONY ACTIVITY ROOM*	189 m ² (ABOUT)	189 m ² (ABOUT)	4 m (ABOUT)(1-STOREY)
B3	RAIN SHELTER, WASHROOM AND STORE ROOM	63 m ² (ABOUT)	63 m ² (ABOUT)	3 m (ABOUT)(1-STOREY)
TOTAL		409 m ² (ABOUT)	472 m ² (ABOUT)	

*STRUCTURE B2 IS A RETRACTABLE MARQUEE
#GFA OF STRUCTURE B1 - 157m² (G/F) + 63 m² (1/F) = 220m²



LEGEND

	APPLICATION SITE
	STRUCTURE (ENCLOSED)
	STRUCTURE (NOT ENCLOSED)
	PARKING SPACE (PC)
	LOADING / UNLOADING SPACE (LB / LGV)
	INGRESS / EGRESS



PLANNING CONSULTANT



PROJECT

PROPOSED TEMPORARY PLACE OF RECREATION, SPORTS OR CULTURE WITH ANCILLARY FACILITIES FOR A PERIOD OF 3 YEARS AND ASSOCIATED FILLING OF LAND

SITE LOCATION

VARIOUS LOTS IN D.D. 112, SHEK KONG, YUEN LONG, NEW TERRITORIES

SCALE

1 : 700 / 400 @ A4

DRAWN BY	DATE
MN	1.2.2024
REVISED BY	DATE
CC	5.2.2024
APPROVED BY	DATE

DWG. TITLE

FSIs PROPOSAL

DWG NO.	VER.
ANNEX 1	001

Annex 2

Revised Drainage Proposal

Proposed Temporary Place of Recreation, Sports or Culture with Ancillary Facilities for a Period of 3 Years and Associated Filling of Land in “Agriculture” Zone, Various Lots in D.D. 112, Shek Kong, Yuen Long, New Territories

Drainage Appraisal

February 2025

Table of Content

1. Introduction	1
1.1 Background	1
1.2 The Site	1
2. Development Proposal.....	2
2.1 The Proposed Development	2
3. Assessment Criteria	2
4. Proposed Drainage System	5
5. Conclusion	5

List of Table

Table 1 - Key Development Parameters	2
Table 2– Design Return Periods under SDM	2

List of Figure

Figure 1 – Site Location Plan	
Figure 2 - Existing Drainage Plan	
Figure 3 – Proposed Drainage System with Asbuilt Drainage Plan	
Figure 4 – Catchment Plan	

List of Appendix

Appendix A – Design Calculation	
Appendix B - Development Layout Plan	
Appendix C – Reference Drawings for UChannel and Catchpit	
Appendix D – Photos of Surroundings	
Appendix E – Sections	
Appendix F - Capacity checking of existing 750mm channel	

1. Introduction

1.1 Background

- 1.1.1 The applicant seeks planning permission from the Town Planning Board (the Board) to use Lots 110 S.A RP, 110 S.B, 110 S.C, 110 S.D ss.1 S.A, 110 S.D ss.1 RP, 110 S.D ss.2, 110 S.D ss.3 and 110 S.D RP in D.D. 112, Shek Kong, Yuen Long, New Territories (the Site) for 'Proposed Temporary Place of Recreation, Sports or Culture with Ancillary Facilities for a Period of 3 Years and Associated Filling of Land' (Proposed Development).
- 1.1.2 This Drainage Proposal is to support the planning application for the proposed use.

1.2 The Site

- 1.2.1 The Application Site at Shek Kong has an area of about 2,856 m². It situates Nam Hing West Road and Ko Sheung Road. The site is currently an unused grassland. The site location plan is shown in **Figure 1**.
- 1.2.2 The existing ground level of the site is approx. +26.4 mPD and it is intended to maintain similar site levels in the development. The site and the surrounding are generally flat, the ground levels are similar.
- 1.2.3 There is an existing public 750 mm U Channel by the side of Nam Hing West Road. Existing Drainage Plan is shown in **Figure 2** for reference.
- 1.2.4 There are asbuilt 300mm U Channels (gradient 1 in 100) within the development area. The asbuilt drainage in green solid line are shown in **Figure 3**.
- 1.2.5 Proposed Development Layout plan is shown in **Appendix B** for reference.

2. Development Proposal

2.1 The Proposed Development

- 2.1.1 The total site area is approximately 2,856 m². The indicative development schedule is summarized in **Table 1** below for technical assessment purpose.

Proposed Development	
Total Site Area (m ²)	2,856
Paved Area (m ²)*	1,052

Table 1 - Key Development Parameters

* Please refer to **Appendix B** and Catchment Plan in **Figure 4**

3. Assessment Criteria

- 3.1.1 The Recommended Design Return Period based on Flood Level from SDM (Table 10) is adopted for this DIA. The recommendation is summarized in **Table 2** below.

Description	Design Return Periods
Intensively Used Agricultural Land	2 – 5 Years
Village Drainage Including Internal Drainage System under a polder Scheme	10 Years
Main Rural Catchment Drainage Channels	50 Years
Urban Drainage Trunk System	200 Years
Urban Drainage Branch System	50 Years

Table 2– Design Return Periods under SDM

- 3.1.2 The proposed village drainage system intended to collect runoff from the internal site and discharge to existing nearby public drainage system. **1 in 50** years return period is adopted for the drainage design.

3.1.3 Stormwater drainage design will be carried out in accordance with the criteria set out in the Stormwater Drainage Manual published by DSD. The proposed design criteria to be adopted for design of this stormwater drainage system and factors which have been considered are summarised below.

1. Intensity-Duration-Frequency Relationship – The Recommended Intensity-Duration-Frequency relationship is used to estimate the intensity of rainfall. It can be expressed by the following algebraic equation.

$$i = \frac{a}{(t_d + b)^c}$$

The site is located within the HKO Headquarters Rainfall Zone. Therefore, for 1 in 50 years return period, the following values are adopted.

a	=	505.5
b	=	3.29
c	=	0.355

(Corrigendum No.1/2024)

2. The peak runoff is calculated by the Rational Method
i.e. $Q_p = 0.278CiA$

where	Q_p	=	peak runoff in m ³ /s
	C	=	runoff coefficient (dimensionless)
	i	=	rainfall intensity in mm/hr
	A	=	catchment area in km ²

3. The run-off coefficient (C) of surface runoff are taken as follows:

- Paved Area: C = 0.95
- Unpaved Area: C = 0.35

4. Manning's Equation is used for calculation of velocity of flow inside the channels:

$$\text{Manning's Equation: } v = \frac{R^{\frac{1}{6}}}{n} R^{\frac{1}{2}} S_f^{\frac{1}{2}}$$

Where,

V = velocity of the pipe flow (m/s)

S_f = hydraulic gradient

n = manning's coefficient

R = hydraulic radius (m)

5. Colebrook-White Equation is used for calculation of velocity of flow inside the pipes:

$$\text{Colebrook-White Equation: } \underline{v} = -\sqrt{32gRS} \log \log \left(\frac{k_s}{14.8R} + \frac{1.255v}{R\sqrt{32gRS_f}} \right)$$

where,

V	=	velocity of the pipe flow (m/s)
S _f	=	hydraulic gradient
k _f	=	roughness value (m)
v	=	kinematics viscosity of fluid
D	=	pipe diameter (m)
R	=	hydraulic radius (m)

4. Proposed Drainage System

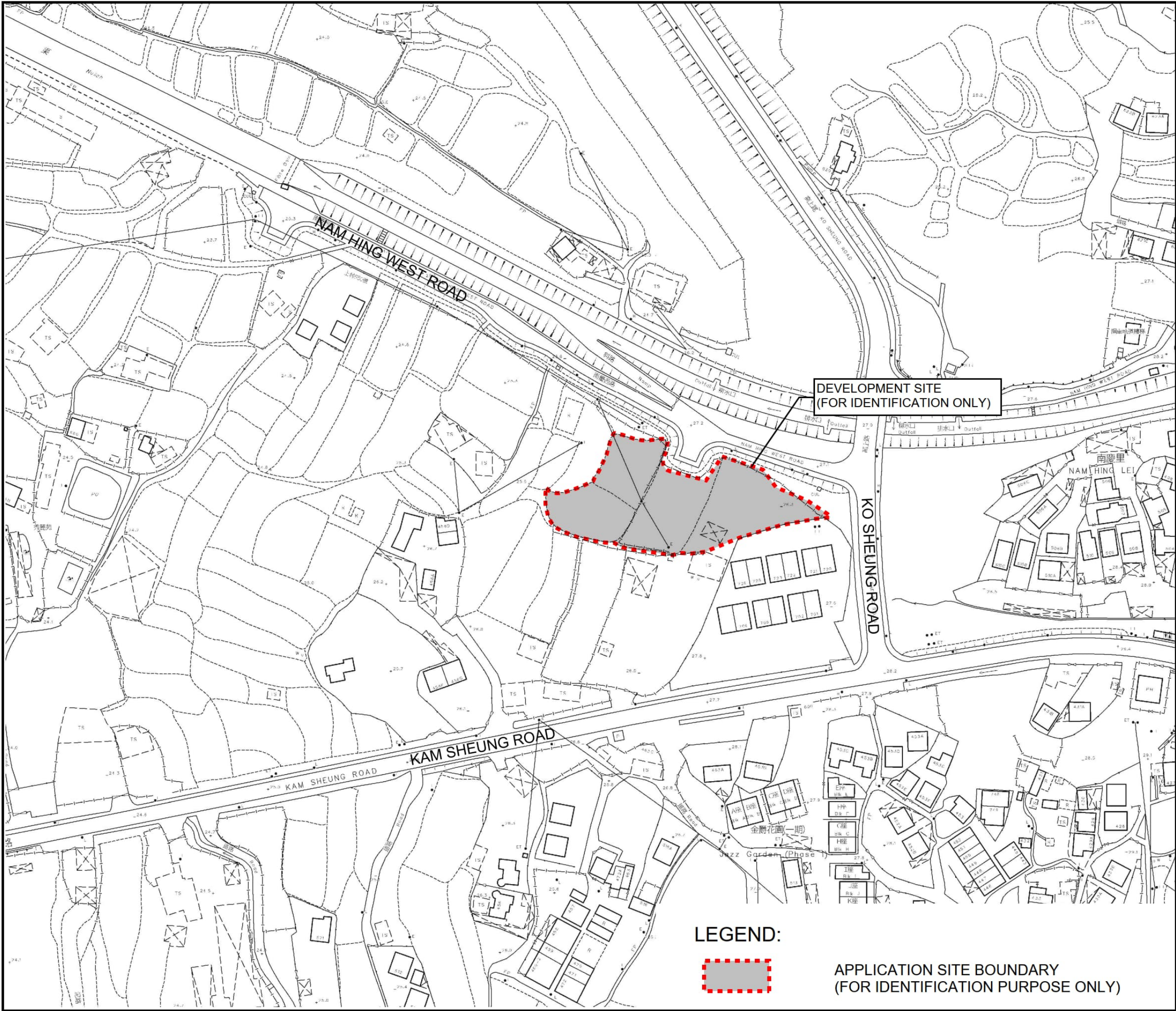
- 4.1.1 Proposed drainage system and existing asbuilt channels are designed/checked for collection of runoff from the application site and external catchment nearby. It is proposed to discharge to existing channel at Nam Hing West Road. The alignment, size and gradient of the proposed drains are shown in **Figure 3**. The catchment plan is shown in **Figure 4**.
- 4.1.2 The design calculations of proposed drains are shown in **Appendix A**.
- 4.1.3 The reference standard drawings of drains are shown in **Appendix C**.
- 4.1.4 Site photos of surroundings is shown in **Appendix D**.
- 4.1.5 Sections of the site is shows in **Appendix E**.
- 4.1.6 Capacity checking of existing 750mm channel is shown in **Appendix F**.

5. Conclusion

- 5.1.1 A drainage appraisal has been conducted for the Proposed Development. The surface runoff from the Application Site will be collected by the existing/proposed drains and discharged to the existing channel at Nam Hing West Road.
- 5.1.2 With the proposed drainage system, it is anticipated that there will be no significant drainage impact to the area after the implementation of the development.

- End of Text -

FIGURES



DEVELOPMENT SITE
(FOR IDENTIFICATION ONLY)

LEGEND:



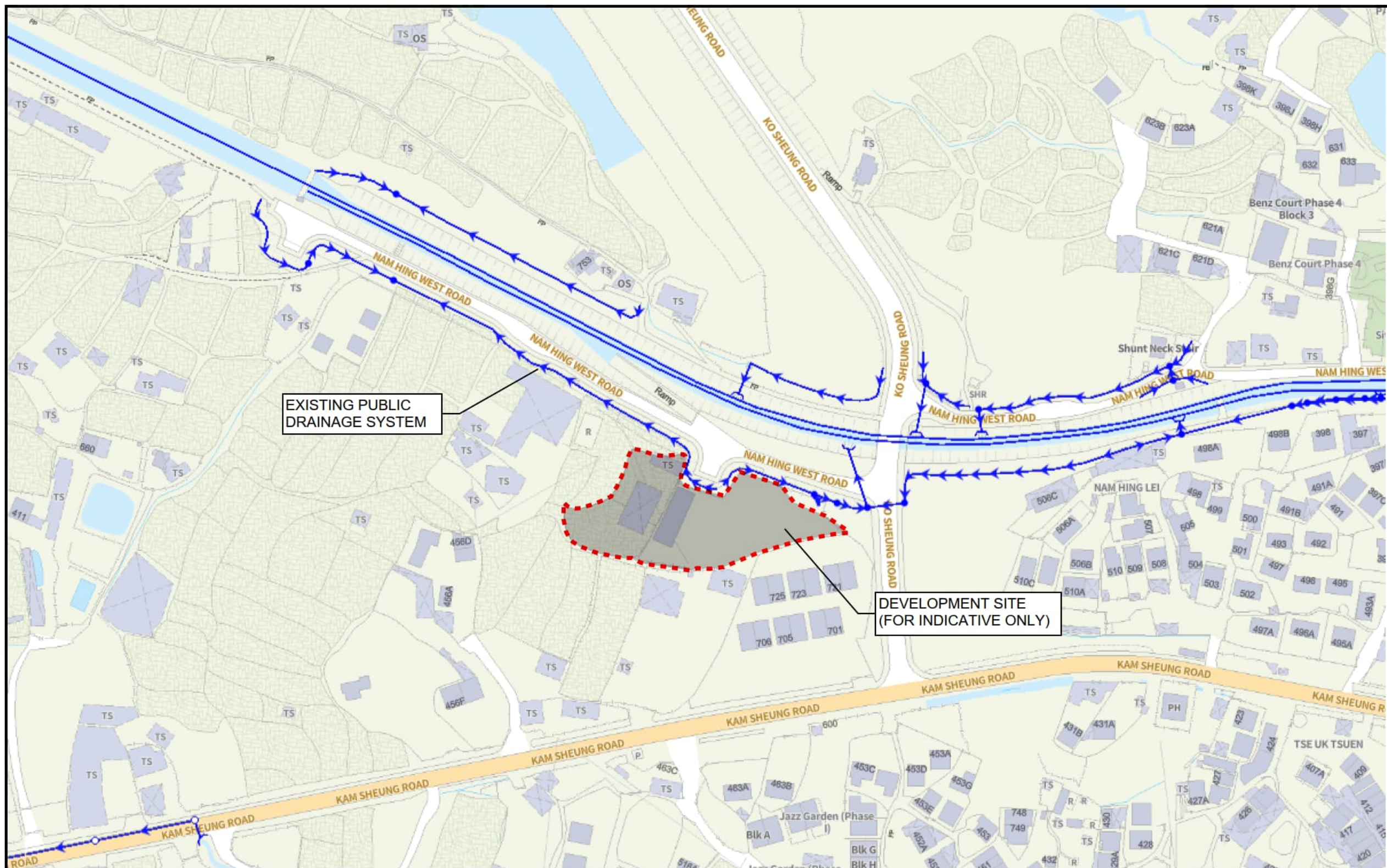
APPLICATION SITE BOUNDARY
(FOR IDENTIFICATION PURPOSE ONLY)

PROJECT:
Proposed Temporary Place of
Recreation, Sports or Culture
with Ancillary Facilities for a
Period of 3 Years and
Associated Filling of Land in “
Agriculture” Zone, Various
Lots in D.D. 112, Shek Kong,
Yuen Long, New Territories

REV	DESCRIPTION	DATE
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DRAWING TITLE
SITE LOCATION PLAN

DRAWING NUMBER
FIGURE 1



PROJECT:
Proposed Temporary Place of Recreation, Sports or Culture with Ancillary Facilities for a Period of 3 Years and Associated Filling of Land in "Agriculture" Zone, Various Lots in D.D. 112, Shek Kong, Yuen Long, New Territories

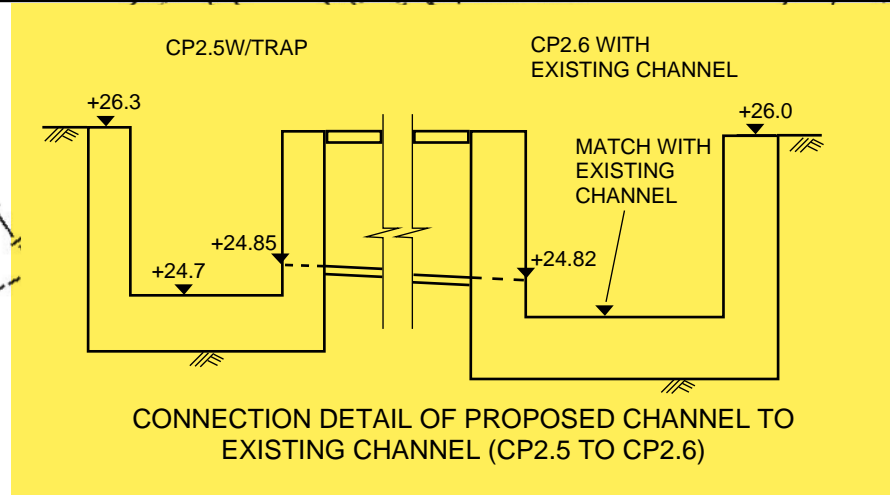
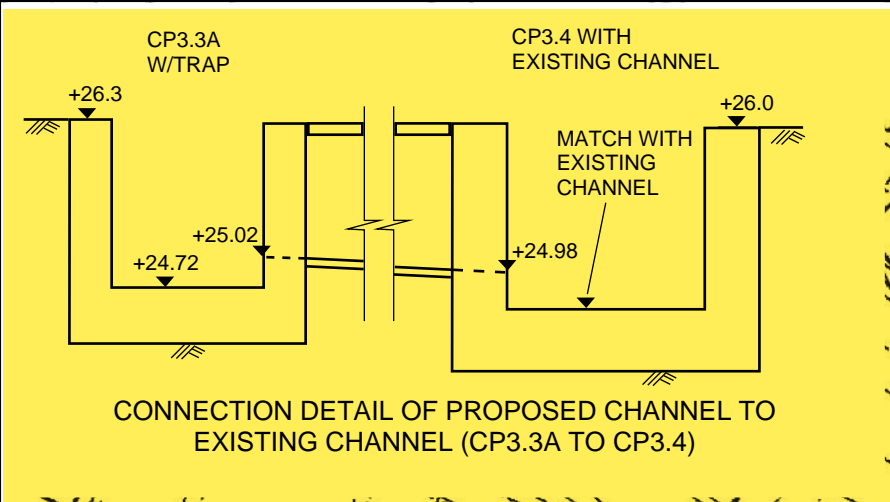
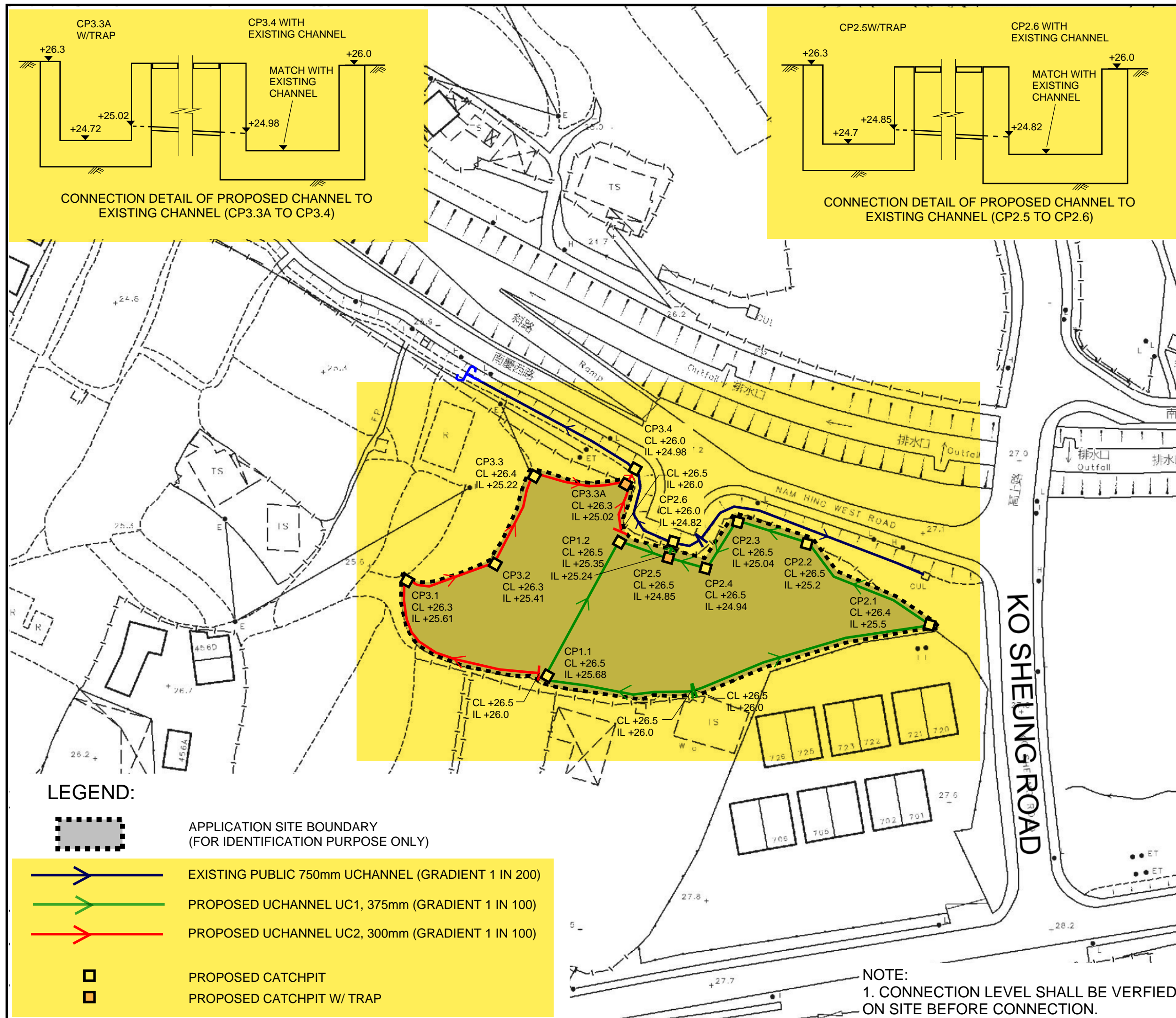
LEGEND:

	Combined Manhole		Tapping Point (Sewer)		Tapping Point (Storm)
	Overflow (Combined)		Sewer Terminal Manhole		Storm Water Terminal Manhole
	Pipe (Combined)		Catchpit		Tunnel Protection Zone (100m / 200m)
	Interface Valve Chamber		Inlet		Tunnel Protection Zone (General Range)
	Sewer Manhole		Storm Water Manhole		Tunnel / Box Culvert (Sewer)
	Oil / Petrol Interceptor		Outlet		Tunnel / Box Culvert (Storm)
	Overflow (Sewer)		Pipe (Storm)		
	Pipe (Sewer)		Sand Trap		

REV	DESCRIPTION	DATE
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DRAWING TITLE
EXISTING DRAINAGE PLAN

DRAWING NUMBER
FIGURE 2



LEGEND:

- APPLICATION SITE BOUNDARY (FOR IDENTIFICATION PURPOSE ONLY)
- EXISTING PUBLIC 750mm UCHANNEL (GRADIENT 1 IN 200)
- PROPOSED UCHANNEL UC1, 375mm (GRADIENT 1 IN 100)
- PROPOSED UCHANNEL UC2, 300mm (GRADIENT 1 IN 100)
- PROPOSED CATCHPIT
- PROPOSED CATCHPIT W/ TRAP

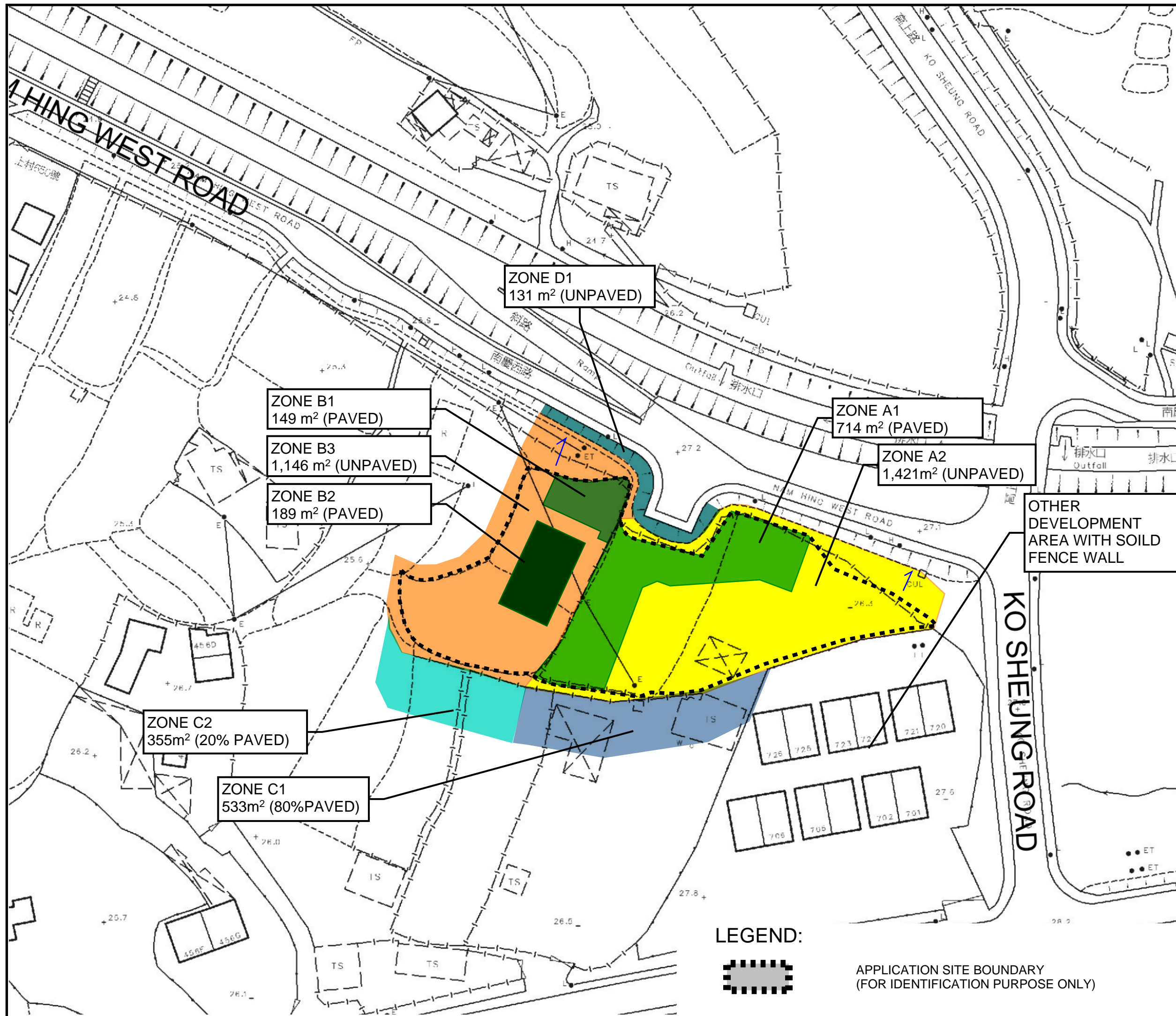
NOTE:
1. CONNECTION LEVEL SHALL BE VERIFIED ON SITE BEFORE CONNECTION.

PROJECT:
Proposed Temporary Place of Recreation, Sports or Culture with Ancillary Facilities for a Period of 3 Years and Associated Filling of Land in "Agriculture" Zone, Various Lots in D.D. 112, Shek Kong, Yuen Long, New Territories

REV	DESCRIPTION	DATE

DRAWING TITLE
PROPOSED DRAINAGE AND EXISTING ASBUILT DRAINAGE SYSTEM

DRAWING NUMBER
FIGURE 3



PROJECT:
Proposed Temporary Place of Recreation, Sports or Culture with Ancillary Facilities for a Period of 3 Years and Associated Filling of Land in “Agriculture” Zone, Various Lots in D.D. 112, Shek Kong, Yuen Long, New Territories

ZONE C2
355m² (20% PAVED)

ZONE C1
533m² (80%PAVED)

ZONE B1
149 m² (PAVED)

ZONE B3
1,146 m² (UNPAVED)

ZONE B2
189 m² (PAVED)

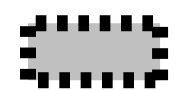
ZONE D1
131 m² (UNPAVED)

ZONE A1
714 m² (PAVED)

ZONE A2
1,421m² (UNPAVED)

OTHER
DEVELOPMENT
AREA WITH SOILD
FENCE WALL

LEGEND:



APPLICATION SITE BOUNDARY
(FOR IDENTIFICATION PURPOSE ONLY)

REV	DESCRIPTION	DATE
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DRAWING TITLE
CATCHMENT PLAN

DRAWING NUMBER
FIGURE 4A

Appendix

Appendix A - Design Calculation

(n = 0.014)

U Channel 1 (Zone A1 + A2 + C1)

Runoff Estimation			
Design Return Period		1 in 50 years	
Paved Area	714 + 533 x 0.8	1140	(m2)
Unpaved Area	1421 + 533 x 0.2 =	1528	(m2)
Total Equivalent Area	1140 x 0.95 + 1528 x 0.35 =	1618	(m2)
Rainfall Intensity, I *		267	mm/hr
Rainfall Intensity with Rainfall Increase due to Climate Change (11.1%, mid 21 st Century)		297	mm/hr
Design Discharge Rate, Q	0.278 x 1618 x 297 / 1000000 =	0.134	m3/s

$$i = \frac{a}{(t_d + b)^c}$$

where td = 2.73 min

U Channel			
Channel Size		375	(mm)
Gradient		1 in 100	
Area	$\pi \times 0.38^2 / 8 + 0.38 \times 0.38 / 2 =$	0.126	(m2)
Wetted Perimeter	$\pi \times 0.38 / 2 + 0.38 / 2 \times 2 =$	0.964	(m)
R	$0.126 / 0.964 =$	0.130	(m)
Velocity $v = \frac{R^{2/3}}{n} S_f^{1/2}$		1.84	m/s
Capacity	Q = A x v =	0.230	m3/s

Utilization	0.134 / 0.23	=	57.98	%
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OK

U Channel 2 (Zone B1 + B2 + B3 + C2)

Runoff Estimation			
Design Return Period		1 in 50 years	
Paved Area	338 + 355 x 0.2 =	409	(m2)
Unpaved Area	1146 + 355 x 0.8 =	1430	(m2)
Total Equivalent Area	409 x 0.95 + 1430 x 0.35 =	889	(m2)
Rainfall Intensity, I *		267	mm/hr
Rainfall Intensity with Rainfall Increase due to Climate Change (11.1%, mid 21 st Century)		297	mm/hr
Design Discharge Rate, Q	0.278 x 1430 x 297 / 1000000 =	0.073	m3/s

$$i = \frac{a}{(t_d + b)^c}$$

where td = 2.73 min

U Channel			
Channel Size		300	(mm)
Gradient		1 in 100	
Area	$\pi \times 0.3^2 / 8 + 0.3 \times 0.3 / 2 =$	0.080	(m2)
Wetted Perimeter	$\pi \times 0.3 / 2 + 0.3 / 2 \times 2 =$	0.771	(m)
R	$0.08 / 0.771 =$	0.104	(m)
Velocity $v = \frac{R^{2/3}}{n} S_f^{1/2}$		1.58	m/s
Capacity	Q = A x v =	0.127	m3/s

Utilization	0.073 / 0.127	=	57.76	%
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OK

Time of Concentration (by using B1, B2 and B3 for assessment purpose)

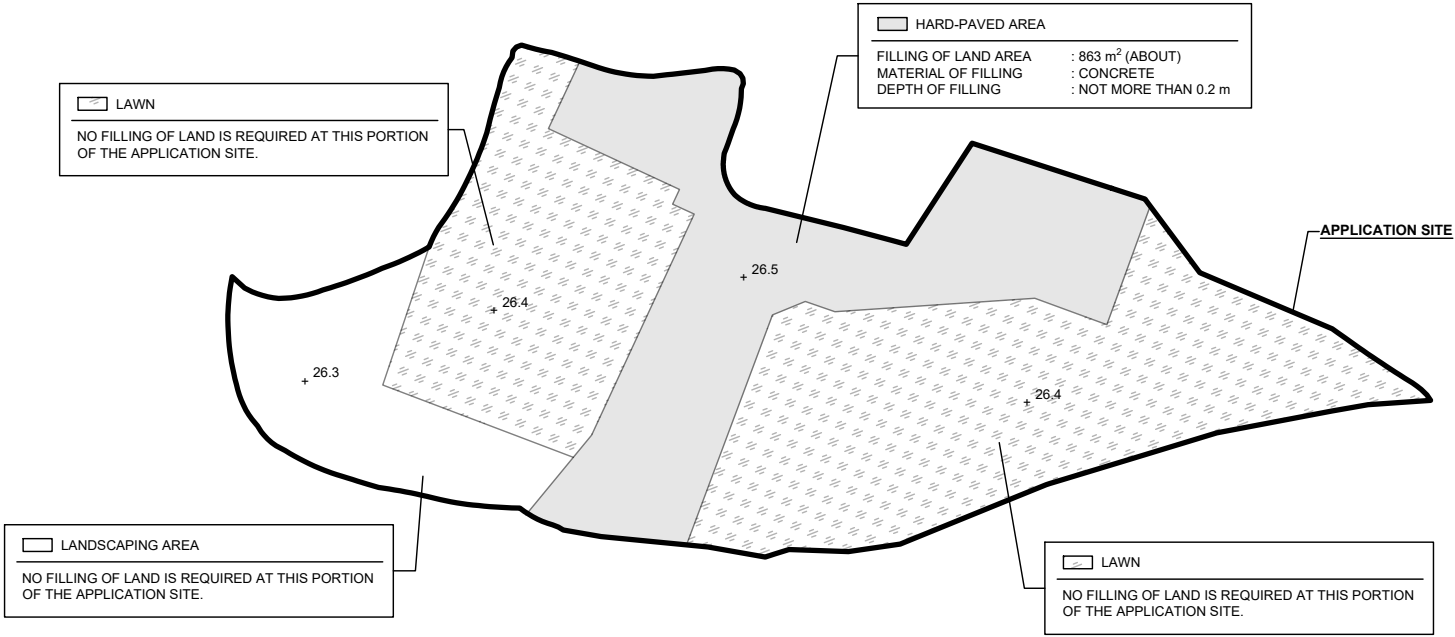
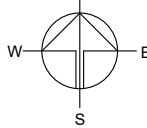
Catchment (B1, B2 and B3)	Flow Distance	Highest Level	Lowest Level	Gradient (per 100m) = (H1-H2)/L x 100	to (min) = 0.14465L/ (H ^{0.2} A ^{0.1})	tc = to + tf
A	L			H		
(m2)	(m)	(mPD)	(mPD)		(min)	(min)
1484	35	26.5	26.3	0.571	2.73	2.73

Appendix B - Proposed Development Layout Plan

PAVED RATIO OF THE APPLICATION SITE

APPLICATION SITE AREA	: 2,856 m ²	(ABOUT)
COVERED BY STRUCTURE	: 409 m ²	(ABOUT)
EXISTING HARD-PAVED AREA	: 863 m ²	(ABOUT)
DEPTH OF LAND FILLING	: NOT MORE THAN 0.2 m	
EXISTING SITE LEVELS	: +26.5 mPD (ABOUT)	
MATERIAL OF LAND FILLING	: CONCRETE	
USE	: SITE FORMATION OF STRUCTURES, AND CIRCULATION SPACE	
EXISTING LAWN AREA	: 1,623 m ²	(ABOUT)
EXISTING LANDSCAPING AREA	: 370 m ²	(ABOUT)

*NO FURTHER FILLING OF LAND WILL BE CARRIED OUT AT THE APPLICATION SITE AFTER PLANNING APPROVAL HAS BEEN GRANTED FROM THE TOWN PLANNING BOARD.



PLANNING CONSULTANT

R | **R-Riches**
Property Consultants Ltd.

PROJECT

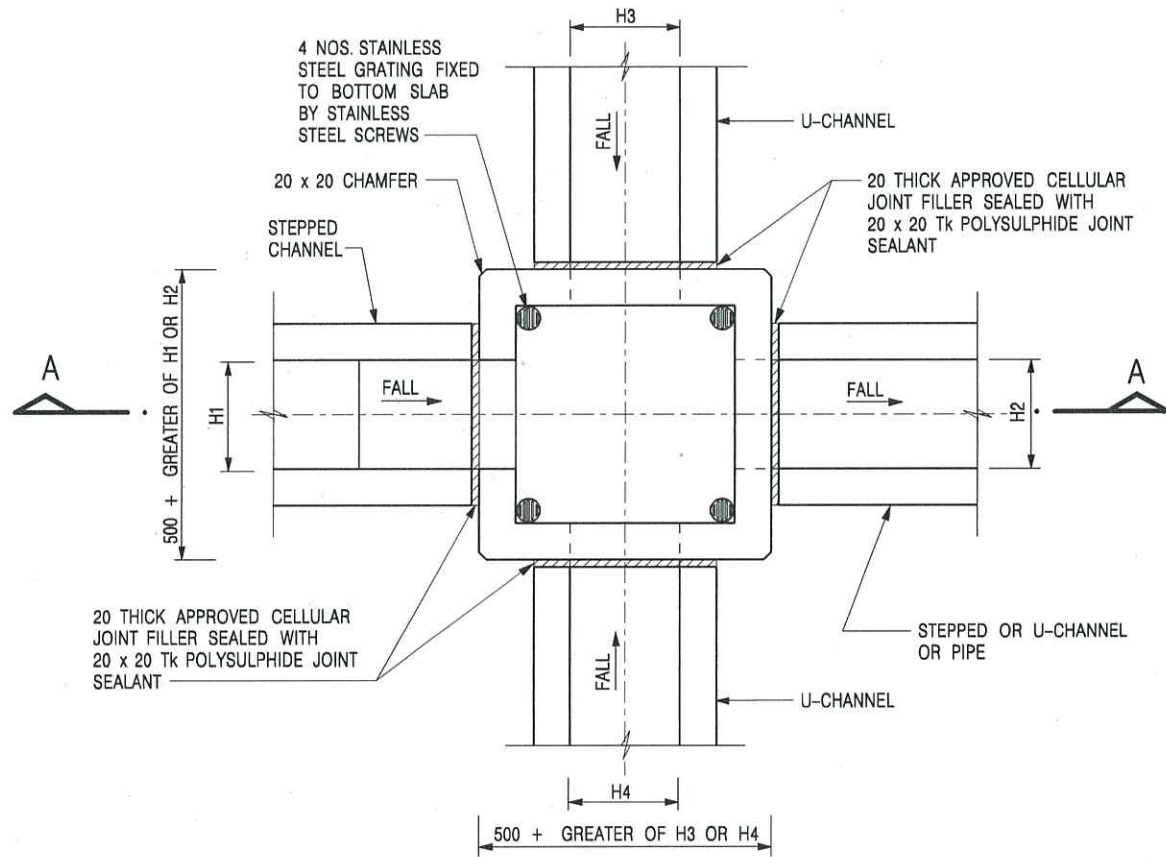
PROPOSED TEMPORARY PLACE OF RECREATION, SPORTS OR CULTURE WITH ANCILLARY FACILITIES FOR A PERIOD OF 3 YEARS AND ASSOCIATED FILLING OF LAND

SITE LOCATION

VARIOUS LOTS IN D.D. 112, SHEK KONG, YUEN LONG, NEW TERRITORIES

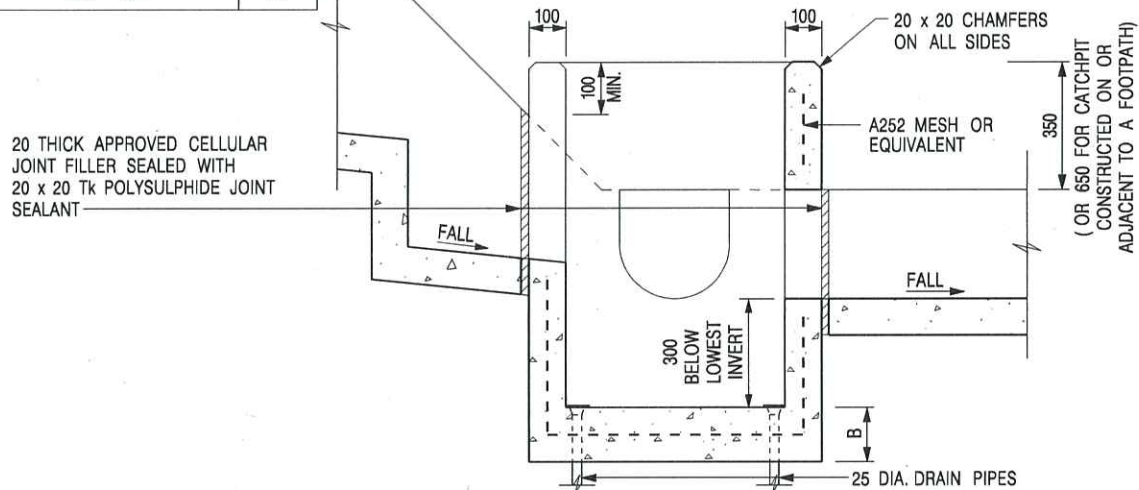
SCALE 1 : 700 @ A4	
DRAWN BY MN	DATE 1.2.2024
REVISED BY	DATE
APPROVED BY	DATE
DWG. TITLE FILLING OF LAND	
DWG NO. PLAN 5	VER. 001

Appendix C - Reference Drawings



PLAN

NOMINAL SIZE (LARGEST OF H1, H2, H3 & H4)	B
300 - 600	150
675 - 900	175



SECTION A - A

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES.
2. REFER TO SHEET 2 FOR OTHER NOTES.

CATCHPIT WITH TRAP
(SHEET 1 OF 2)

-	FORMER DRG. NO. C2406J.	Original Signed	03.2015
REF.	REVISION	SIGNATURE	DATE



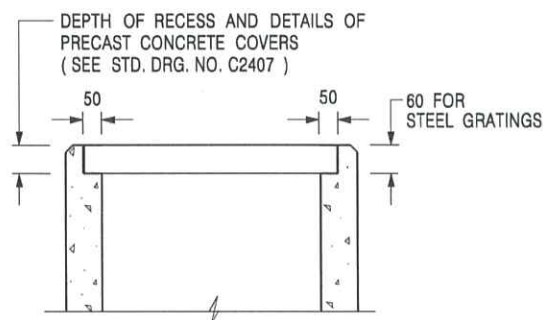
CIVIL ENGINEERING AND
DEVELOPMENT DEPARTMENT

SCALE 1 : 20

DATE JAN 1991

DRAWING NO.

C2406 /1



**ALTERNATIVE TOP SECTION
FOR PRECAST CONCRETE COVERS / GRATINGS**

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES.
2. ALL CONCRETE SHALL BE GRADE 20 /20.
3. CONCRETE SURFACE FINISH SHALL BE CLASS U2 OR F2 AS APPROPRIATE.
4. FOR DETAILS OF JOINT, REFER TO STD. DRG. NO. C2413.
5. CONCRETE TO BE COLOURED AS SPECIFIED.
6. UNLESS REQUESTED BY THE MAINTENANCE PARTY AND AS DIRECTED BY THE ENGINEER, CATCHPIT WITH TRAP IS NORMALLY NOT PREFERRED DUE TO PONDING PROBLEM.
7. UPON THE REQUEST FROM MAINTENANCE PARTY, DRAIN PIPES AT CATCHPIT BASE CAN BE USED BUT THIS IS FOR CATCHPITS LOCATED AT SLOPE TOE ONLY AND AS DIRECTED BY THE ENGINEER.
8. FOR CATCHPITS CONSTRUCTED ON OR ADJACENT TO A FOOTPATH, STEEL GRATINGS (SEE DETAIL 'A' ON STD. DRG. NO. C2405 /2) OR CONCRETE COVERS (SEE STD. DRG. NO. C2407) SHALL BE PROVIDED AS DIRECTED BY THE ENGINEER.
9. IF INSTRUCTED BY THE ENGINEER, HANDRAILING (SEE DETAIL 'J' ON STD. DRG. NO. C2405 /5; EXCEPT ON THE UPSLOPE SIDE) IN LIEU OF STEEL GRATINGS OR CONCRETE COVERS CAN BE ACCEPTED AS AN ALTERNATIVE SAFETY MEASURE FOR CATCHPITS NOT ON A FOOTPATH NOR ADJACENT TO IT. TOP OF THE HANDRAILING SHALL BE 1 000 mm MIN. MEASURED FROM THE ADJACENT GROUND LEVEL.
10. MINIMUM INTERNAL CATCHPIT WIDTH SHALL BE 1 000 mm FOR CATCHPITS WITH A HEIGHT EXCEEDING 1 000 mm MEASURED FROM THE INVERT LEVEL TO THE ADJACENT GROUND LEVEL. AND, STEP IRONS (SEE DSD STD. DRG. NO. DS1043) AT 300 c/c STAGGERED SHALL BE PROVIDED. THICKNESS OF CATCHPIT WALL FOR INSTALLATION OF STEP IRONS SHALL BE INCREASED TO 150 mm.
11. FOR RETROFITTING AN EXISTING CATCHPIT WITH STEEL GRATING, SEE DETAIL 'G' ON STD. DRG. NO. C2405 /4.
12. SUBJECT TO THE APPROVAL OF THE ENGINEER, OTHER MATERIALS CAN ALSO BE USED AS COVERS / GRATINGS.

A	MINOR AMENDMENT.	Original Signed	04.2016
-	FORMER DRG. NO. C2406J.	Original Signed	03.2015
REF.	REVISION	SIGNATURE	DATE

**CATCHPIT WITH TRAP
(SHEET 2 OF 2)**



**CIVIL ENGINEERING AND
DEVELOPMENT DEPARTMENT**

SCALE 1 : 20

DRAWING NO.

DATE JAN 1991

C2406 /2A

U-CHANNELS CONSTRUCTED ON BERM WITH NON-BIODEGRADABLE EROSION CONTROL MAT

U-CHANNELS NOT CONSTRUCTED ON BERM
WITH NON-BIODEGRADABLE
EROSION CONTROL MAT

U-CHANNELS CONSTRUCTED ON BERM WITH BIODEGRADABLE EROSION CONTROL MAT

U-CHANNELS NOT CONSTRUCTED ON BERM
WITH BIODEGRADABLE
EROSION CONTROL MAT

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES.
 2. ALL CONCRETE TO BE GRADE 20 /20.
 3. CONCRETE SURFACE FINISH SHALL BE CLASS U2, F2 OR BRUSHED FINISH AS DIRECTED.
 4. SPACING OF EXPANSION JOINT IN CHANNELS, BERM SLABS AND APRONS TO BE 10 METRES MAXIMUM, SEE STD. DRG. NO. C2413 FOR DETAILS.
 5. JOINTS FOR CHANNELS, BERM SLABS, APRONS AND WALLS, ETC. TO BE ON THE SAME ALIGNMENT.
 6. FOR DIMENSIONS T, H, & B, SEE TABLE BELOW.
 7. FOR TYPICAL FIXING PIN DETAILS, SEE STD. DRG. NO. C2511/2.
 8. MINIMUM SIZE OF 25 x 50 x 300mm SHALL BE PROVIDED FOR WOODEN PEG.
 9. MINIMUM SIZE OF 10mm DIAMETER WITH 200mm LONG SHALL BE PROVIDED FOR BAMBOO STICK.
 10. THE FIXING DETAILS OF NON-BIODEGRADABLE AND BIODEGRADABLE EROSION CONTROL MATS ON EXISTING BERM SHALL REFER TO STD. DRG. NO. C2511/1.

NOMINAL SIZE H	T	B	REINFORCEMENT
300	80	100	A252 MESH PLACED CENTRALLY AND T=100 WHEN E > 650
375 - 600	100	150	
675 - 900	125	175	A252 MESH PLACED CENTRALLY

I	MINOR AMENDMENT.	Original Signed	07.2018
H	FIXING DETAILS OF BIODEGRADABLE EROSION CONTROL MAT ADDED.	Original Signed	12.2017
G	DIMENSION TABLE AMENDED.	Original Signed	01.2005
F	MINOR AMENDMENT.	Original Signed	01.2004
E	GENERAL REVISION.	Original Signed	12.2002
D	MINOR AMENDMENT.	Original Signed	08.2001
C	150 x 100 UPSTAND ADDED AT BERM.	Original Signed	6.99
B	MINOR AMENDMENT.	Original Signed	3.94
A	MINOR AMENDMENT.	Original Signed	10.92
REF.	REVISION	SIGNATURE	DATE

DETAILS OF HALF-ROUND AND
U-CHANNELS (TYPE B – WITH
EROSION CONTROL MAT APRON)

卓越工程 建設香港



**CIVIL ENGINEERING AND
DEVELOPMENT DEPARTMENT**

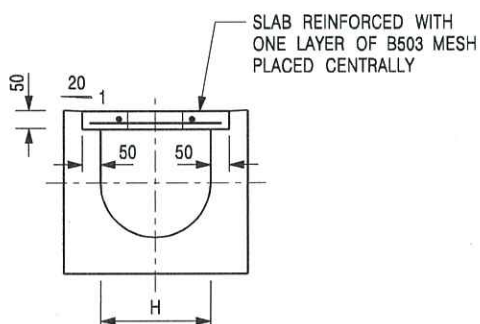
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DATE JAN 1991

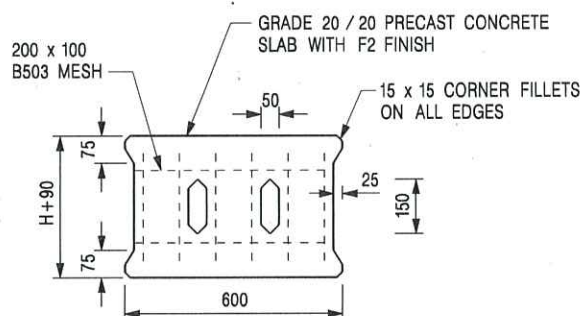
DRAWING NO.

C24101

We Engineer Hong Kong's Development



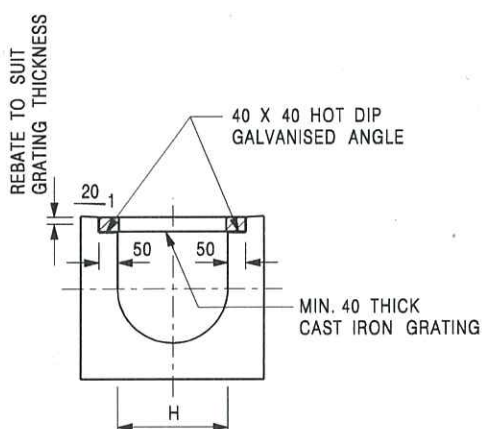
TYPICAL SECTION



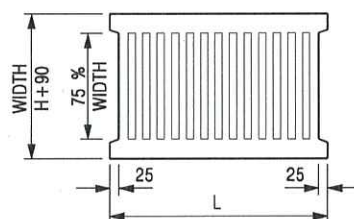
PLAN OF SLAB

U-CHANNELS WITH PRECAST CONCRETE SLABS

(UP TO H OF 525)



TYPICAL SECTION



L = 600mm FOR H ≤ 375mm
L = 400mm FOR H > 375mm

CAST IRON GRATING

(DIMENSIONS ARE FOR GUIDANCE ONLY, CONTRACTOR MAY SUBMIT EQUIVALENT TYPE)

U-CHANNEL WITH CAST IRON GRATING

(UP TO H OF 525)

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES.
2. H = NOMINAL CHANNEL SIZE.
3. ALL CAST IRON FOR GRATINGS SHALL BE GRADE EN-GJL-150 COMPLYING WITH BS EN 1561.
4. FOR COVERED CHANNELS TO BE HANDED OVER TO HIGHWAYS DEPARTMENT FOR MAINTENANCE, THE GRATING DETAILS SHALL FOLLOW THOSE AS SHOWN ON HyD STD. DRG. NO. H3156.

E	NOTES 3 & 4 AMENDED.	Original Signed	12.2014
D	NOTE 4 ADDED.	Original Signed	06.2008
C	MINOR AMENDMENT. NOTE 3 ADDED.	Original Signed	12.2005
B	NAME OF DEPARTMENT AMENDED.	Original Signed	01.2005
A	CAST IRON GRATING AMENDED.	Original Signed	12.2002
REF.	REVISION	SIGNATURE	DATE

COVER SLAB AND CAST IRON
GRATING FOR CHANNELS



**CIVIL ENGINEERING AND
DEVELOPMENT DEPARTMENT**

SCALE 1 : 20

DATE JAN 1991

DRAWING NO.

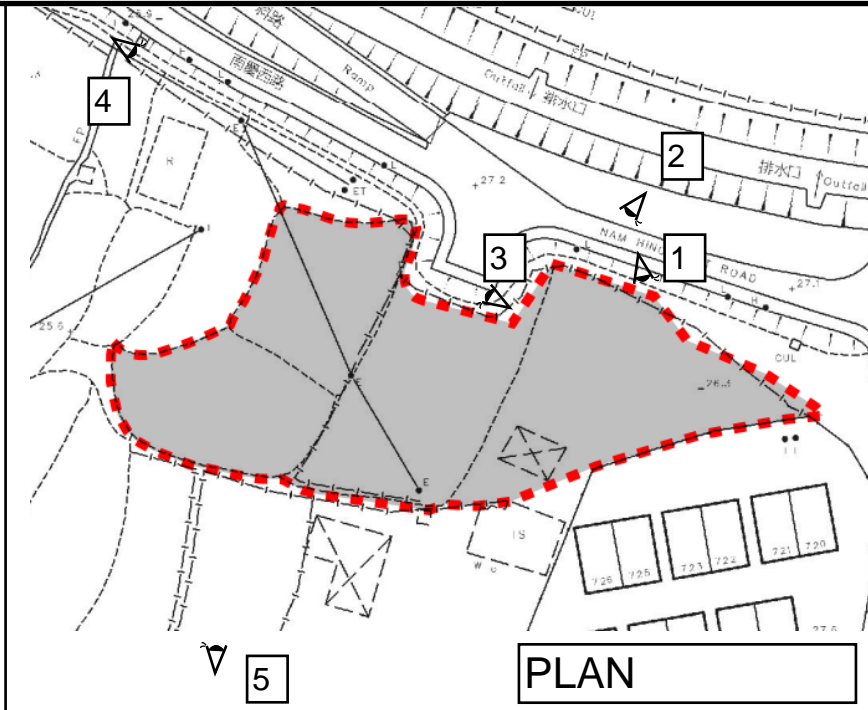
C2412E



VIEW 1



VIEW 2



PROJECT:
Proposed Temporary Place of Recreation, Sports or Culture with Ancillary Facilities for a Period of 3 Years and Associated Filling of Land in "Agriculture" Zone, Various Lots in D.D. 112, Shek Kong, Yuen Long, New Territories



VIEW 3

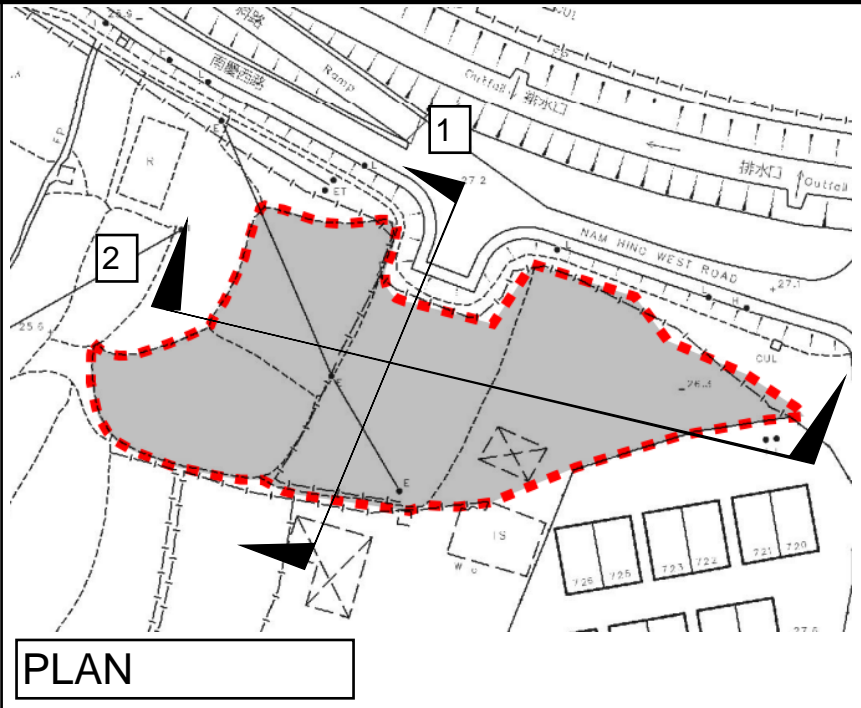


VIEW 4

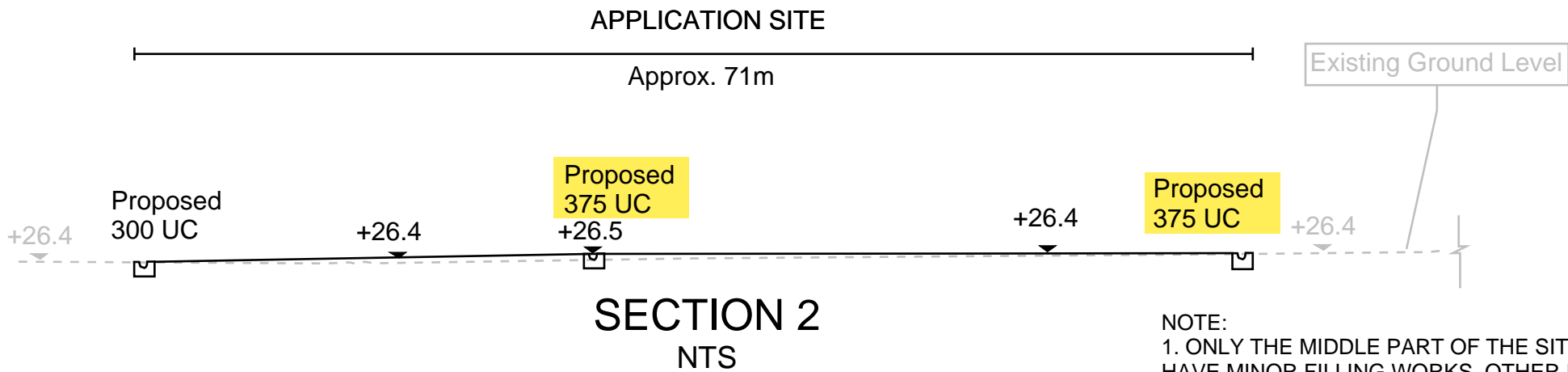
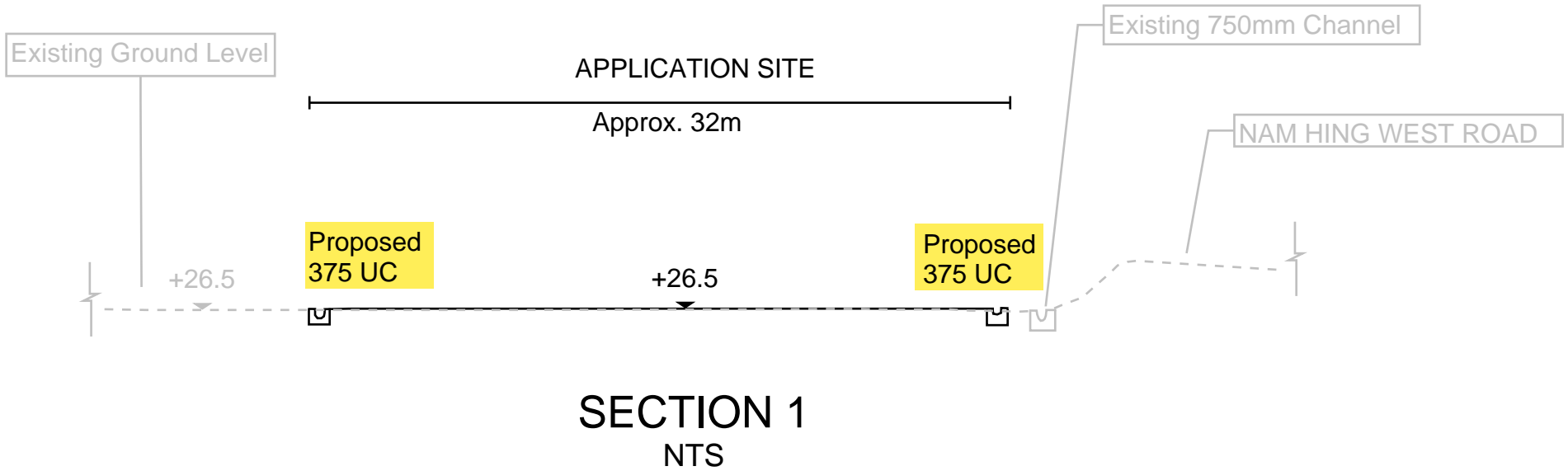


VIEW 5

Photos Record of Surroundings



PROJECT:
Proposed Temporary Place of Recreation, Sports or Culture with Ancillary Facilities for a Period of 3 Years and Associated Filling of Land in “Agriculture” Zone, Various Lots in D.D. 112, Shek Kong, Yuen Long, New Territories



SECTIONS

Appendix E

Appendix F - Checking of Existing 750mm Channel (Zone [A1 + A2 + C1] + [B1 + B2 + B3 + C2] + D1)

Runoff Estimation			
Design Return Period		1 in 50 years	
Paved Area	1140 + 409=	1052	(m2)
Unpaved Area	1528 + 1430 + 131 =	3089	(m2)
Total Equivalent Area	1052 x 0.95 + 3089 x 0.35 =	2080	(m2)
Rainfall Intensity, I *		267	mm/hr
Rainfall Intensity with Rainfall Increase due to Climate Change (11.1%, mid 21 st Century)		297	mm/hr
Design Discharge Rate, Q	0.278 x 2080 x 297 / 1000000 =	0.172	m3/s
U Channel			
Channel Size		750	(mm)
Gradient	1 in	200	
Area	$\pi \times 0.75^2 / 8 + 0.75 \times 0.75 / 2 =$	0.502	(m2)
Wetted Perimeter	$\pi \times 0.75 / 2 + 0.75 / 2 \times 2 =$	1.928	(m)
R	$0.502 / 1.928 =$	0.260	(m)
Velocity $v = \frac{84.8}{R^{0.5} S^{0.5}}$		2.06	m/s
Capacity	Q = A x v =	1.034	m3/s
Utilization	0.172 / 1.034 =	16.60	%

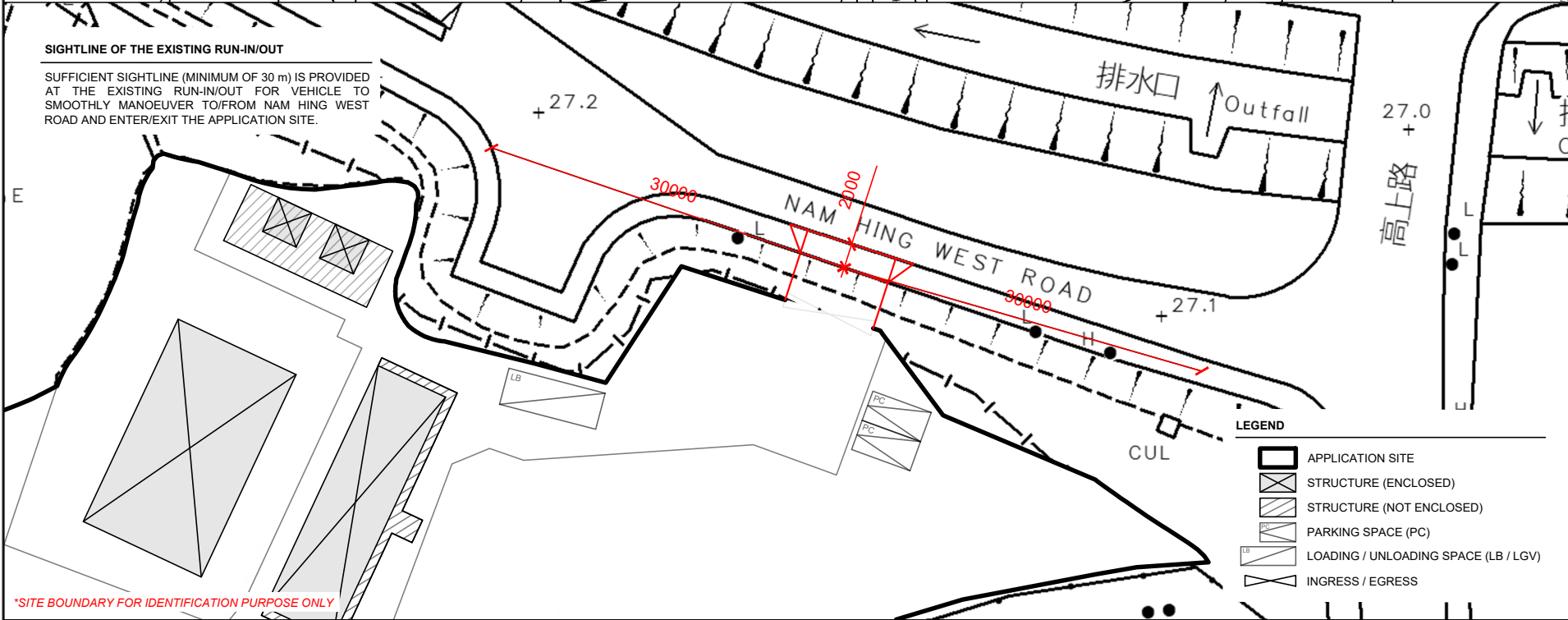
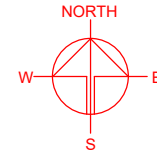
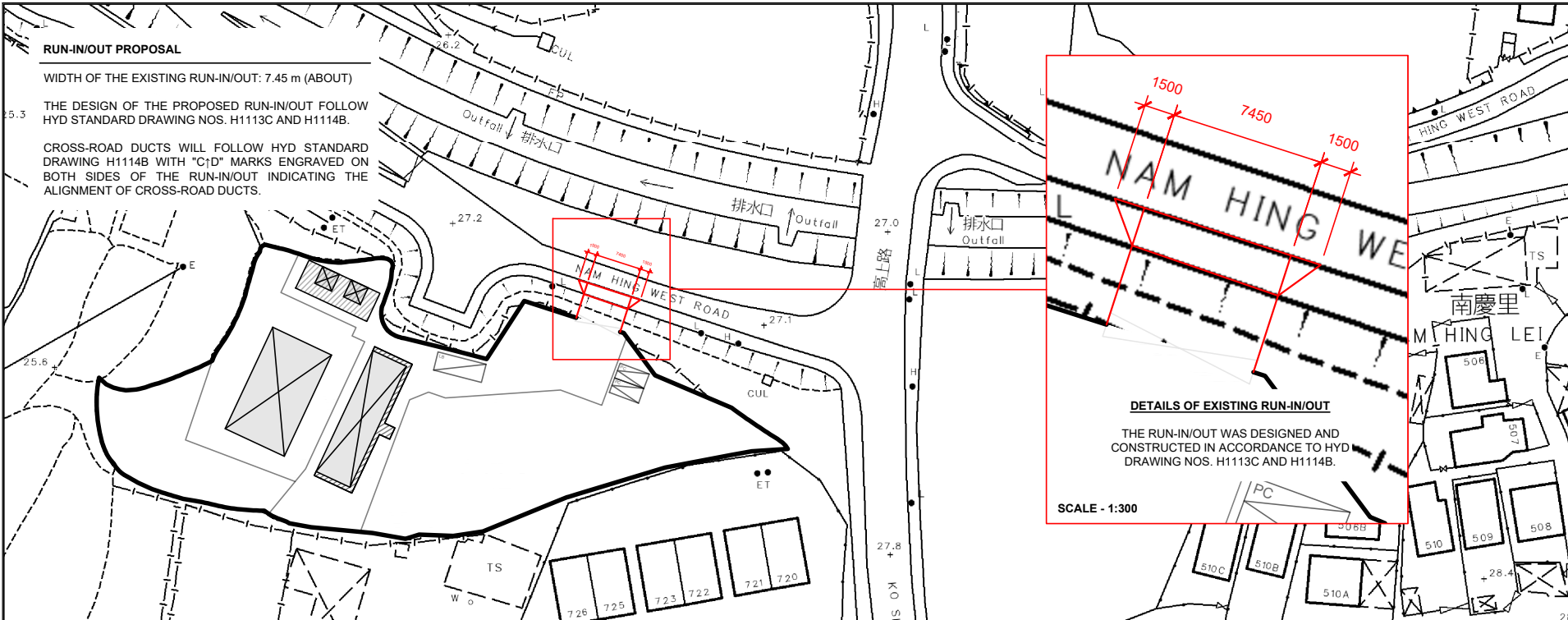
$i = \frac{a}{(t_d + b)^c}$

where td = 2.73 min

OK

Annex 3

Revised Run-in/out Proposal



PLANNING CONSULTANT

R-Riches
Property Consultants Ltd.

PROJECT

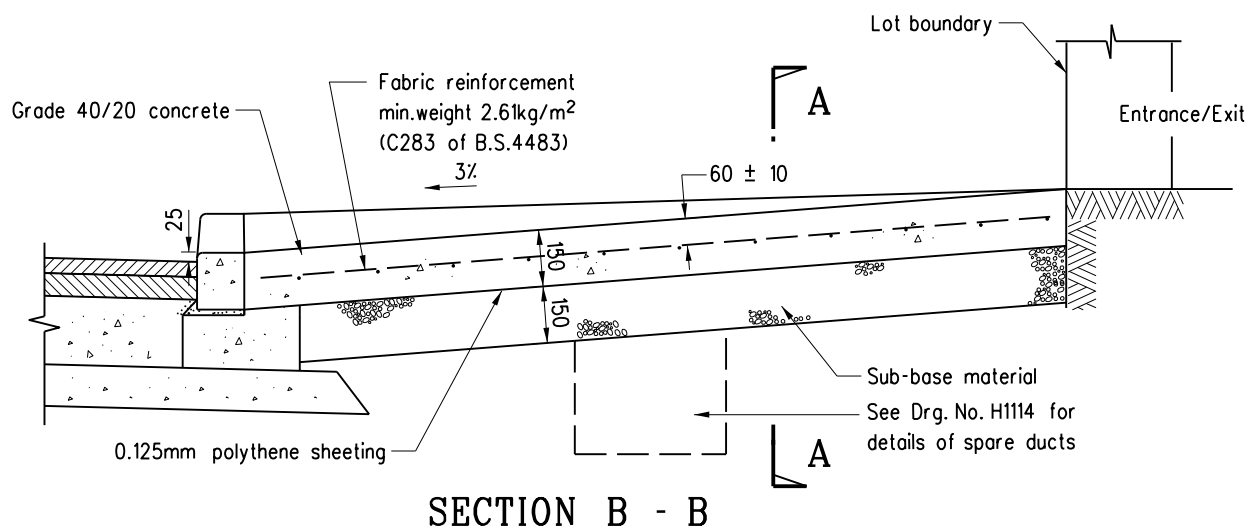
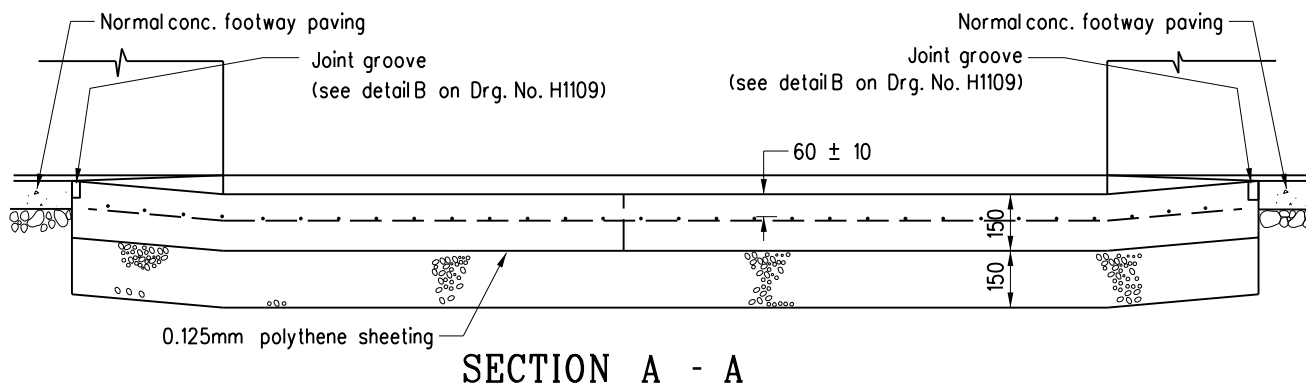
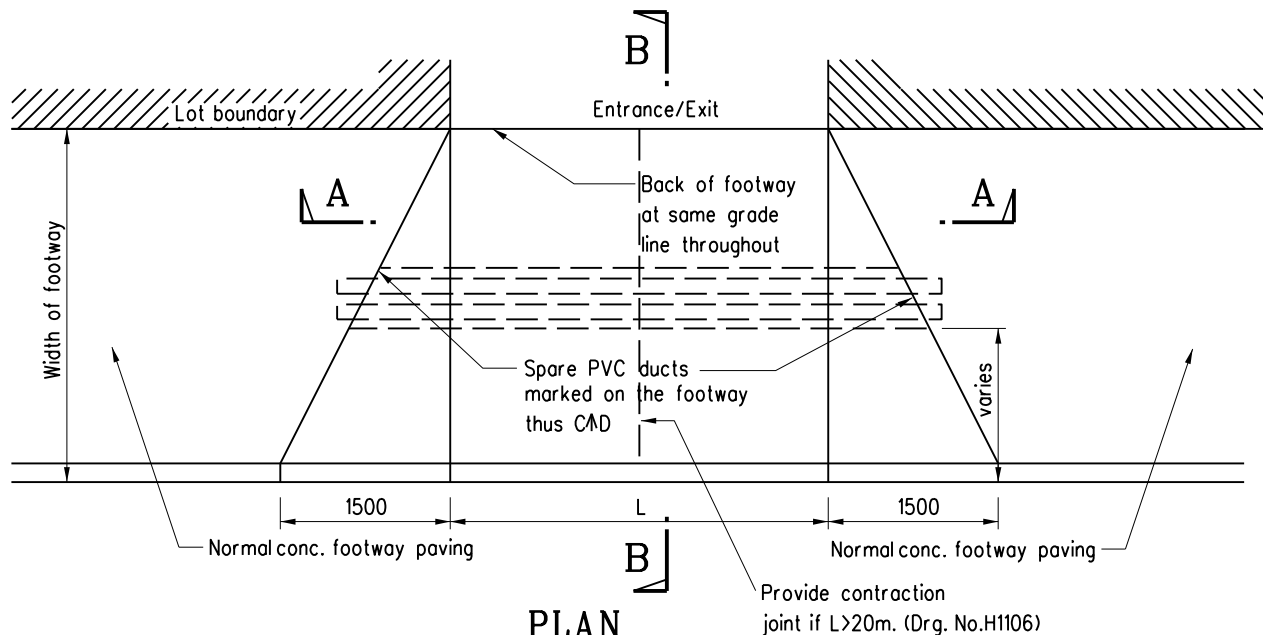
PROPOSED TEMPORARY PLACE OF RECREATION, SPORTS OR CULTURE WITH ANCILLARY FACILITIES FOR A PERIOD OF 3 YEARS AND ASSOCIATED FILLING OF LAND

SITE LOCATION

VARIOUS LOTS IN D.D. 112, SHEK KONG, YUEN LONG, NEW TERRITORIES

SCALE	
1 : 300 @ A4	
DRAWN BY	DATE
MN	20.3.2025
CHECKED BY	DATE
APPROVED BY	DATE
DWG. TITLE	
RUN-IN/OUT	
DWG NO.	VER.
ANNEX 3a	001

*SITE BOUNDARY FOR IDENTIFICATION PURPOSE ONLY



Note:

1. All dimensions are in millimetres.

C	General revision	Original signed	Oct 19
B	Joint groove details revised	-	Nov 96
A	Grade of concrete revised	-	Sept 96
	Former Drg. No. H1011A with general revision	-	June 94
REF.	REVISION	SIGNATURE	DATE

TYPICAL DETAILS
OF RUN-IN
(SHEET 1 OF 2)

HIGHWAYS DEPARTMENT

REFERENCE

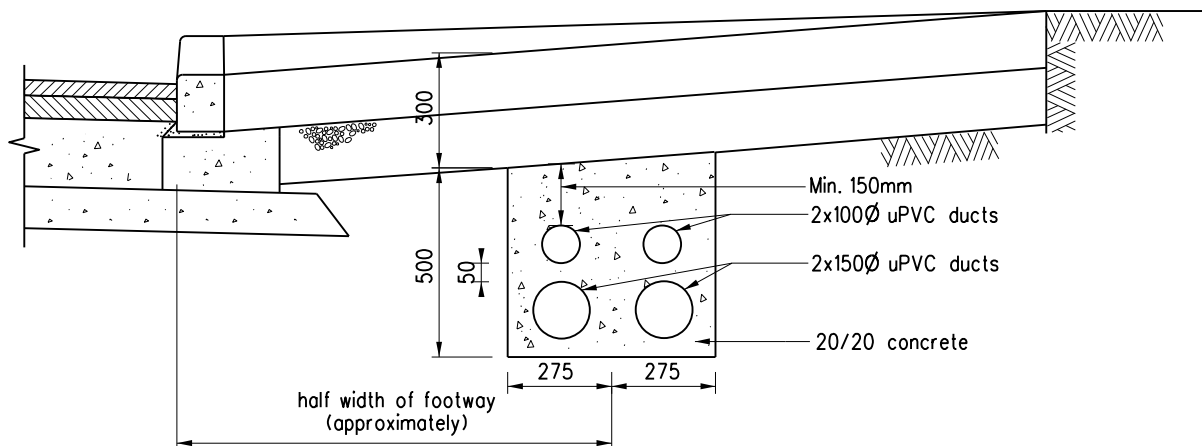
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CAD

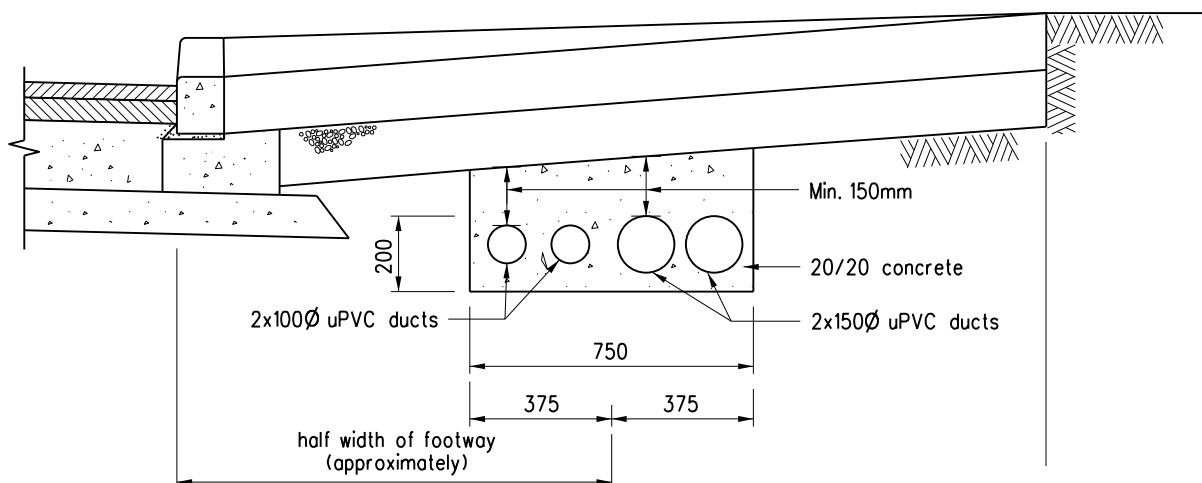
SCALE

1:20

H 1113C



OPTION A



OPTION B

Notes:

1. 100 diameter ducts are provided for cables of ATC or CCTV.
150 diameter ducts are provided for power cables.
2. The choice of option depends on the site situations (e.g. width of footway, existing underground utilities).
3. Position of both ends of the duct bank to be marked on footway thus CAD.

B	General revision	Original signed	Oct 19
A	Concrete cover revised		Sep 96
	Former Drg. No. H1011A with general revision		Jun 94
REF.	REVISION	SIGNATURE	DATE

TYPICAL DETAILS
OF RUN-IN
(SHEET 2 OF 2)

HIGHWAYS DEPARTMENT

REFERENCE

DRAWING No.

CAD

SCALE

1:20

H 1114B

Annex 4

Revised Layout Plan and Swept Path Analysis

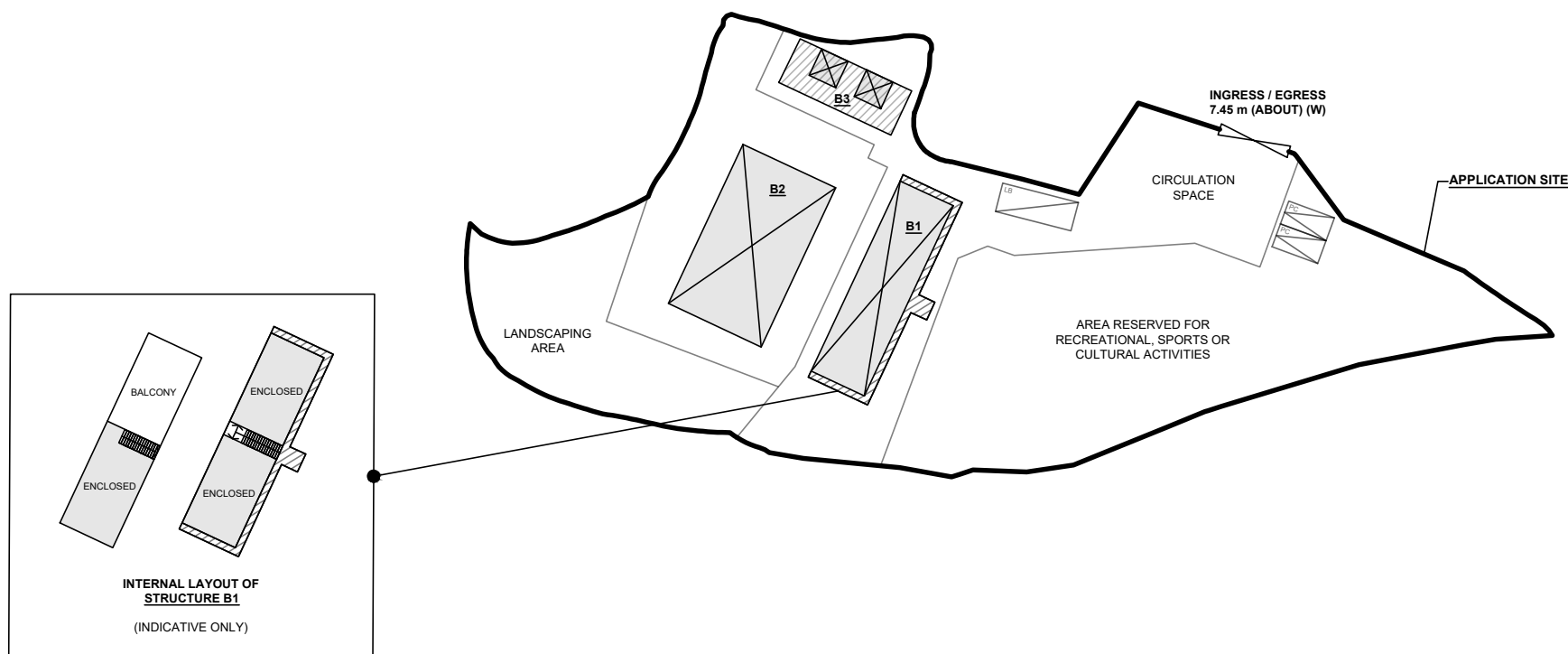
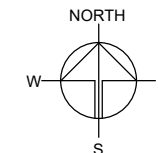
DEVELOPMENT PARAMETERS

APPLICATION SITE AREA	: 2,856 m ²	(ABOUT)
COVERED AREA	: 409 m ²	(ABOUT)
UNCOVERED AREA	: 2,447 m ²	(ABOUT)
PLOT RATIO	: 0.16	(ABOUT)
SITE COVERAGE	: 14 %	(ABOUT)
NO. OF STRUCTURE	: 3	
DOMESTIC GFA	: NOT APPLICABLE	
NON-DOMESTIC GFA	: 472 m ²	(ABOUT)
TOTAL GFA	: 472 m ²	(ABOUT)
BUILDING HEIGHT	: 3 m - 7 m	(ABOUT)
NO. OF STOREY	: 1 - 2	

STRUCTURE	USE	COVERED AREA	GFA	BUILDING HEIGHT
B1	ACTIVITY ROOM, WASHROOM, SITE OFFICE AND STORE ROOM	157 m ² (ABOUT) [#]	220 m ² (ABOUT) [#]	7 m (ABOUT)(2-STOREY)
B2	ACTIVITY ROOM*	189 m ² (ABOUT)	189 m ² (ABOUT)	4 m (ABOUT)(1-STOREY)
B3	RAIN SHELTER, WASHROOM AND STORE ROOM	63 m ² (ABOUT)	63 m ² (ABOUT)	3 m (ABOUT)(1-STOREY)
TOTAL		409 m ² (ABOUT)	472 m ² (ABOUT)	

*STRUCTURE B2 IS A RETRACTABLE MARQUEE

[#]GFA OF STRUCTURE B1 - 157m² (G/F) + 63 m² (1/F) = 220m²



PARKING AND LOADING / UNLOADING PROVISIONS

NO. OF PRIVATE CAR PARKING SPACE	: 2
DIMENSION OF PARKING SPACE	: 5 m (L) x 2.5 m (W)
NO. OF L/U/L SPACE FOR LIGHT BUS / LIGHT GOODS VEHICLE	: 1
DIMENSION OF L/U/L SPACE	: 8 m (L) x 3.5 m (W)

LEGEND

	APPLICATION SITE
	STRUCTURE (ENCLOSED)
	STRUCTURE (NOT ENCLOSED)
	PARKING SPACE (PC)
	LOADING / UNLOADING SPACE (LB / LGV)
	INGRESS / EGRESS

PLANNING CONSULTANT



PROJECT

PROPOSED TEMPORARY PLACE OF RECREATION, SPORTS OR CULTURE WITH ANCILLARY FACILITIES FOR A PERIOD OF 3 YEARS AND ASSOCIATED FILLING OF LAND

SITE LOCATION

VARIOUS LOTS IN D.D. 112, SHEK KONG, YUEN LONG, NEW TERRITORIES

SCALE

1 : 700 @ A4

DRAWN BY	DATE
MN	20.3.2025
REVISED BY	DATE
APPROVED BY	DATE

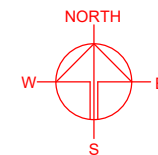
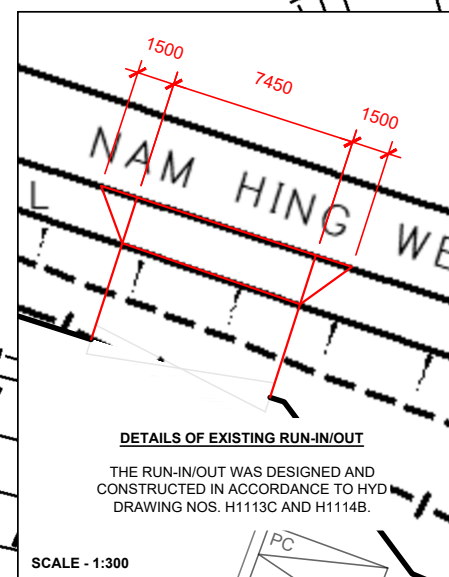
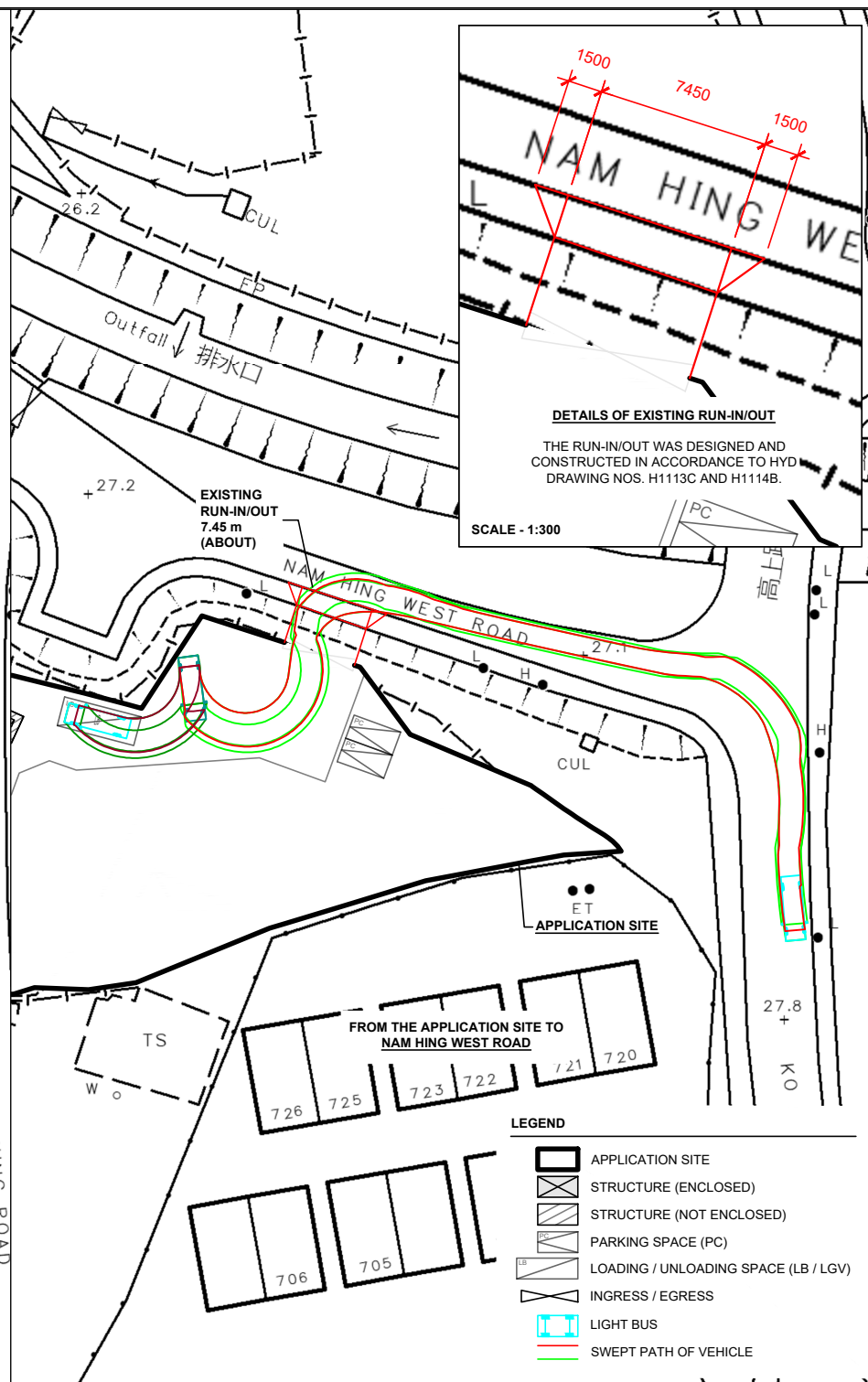
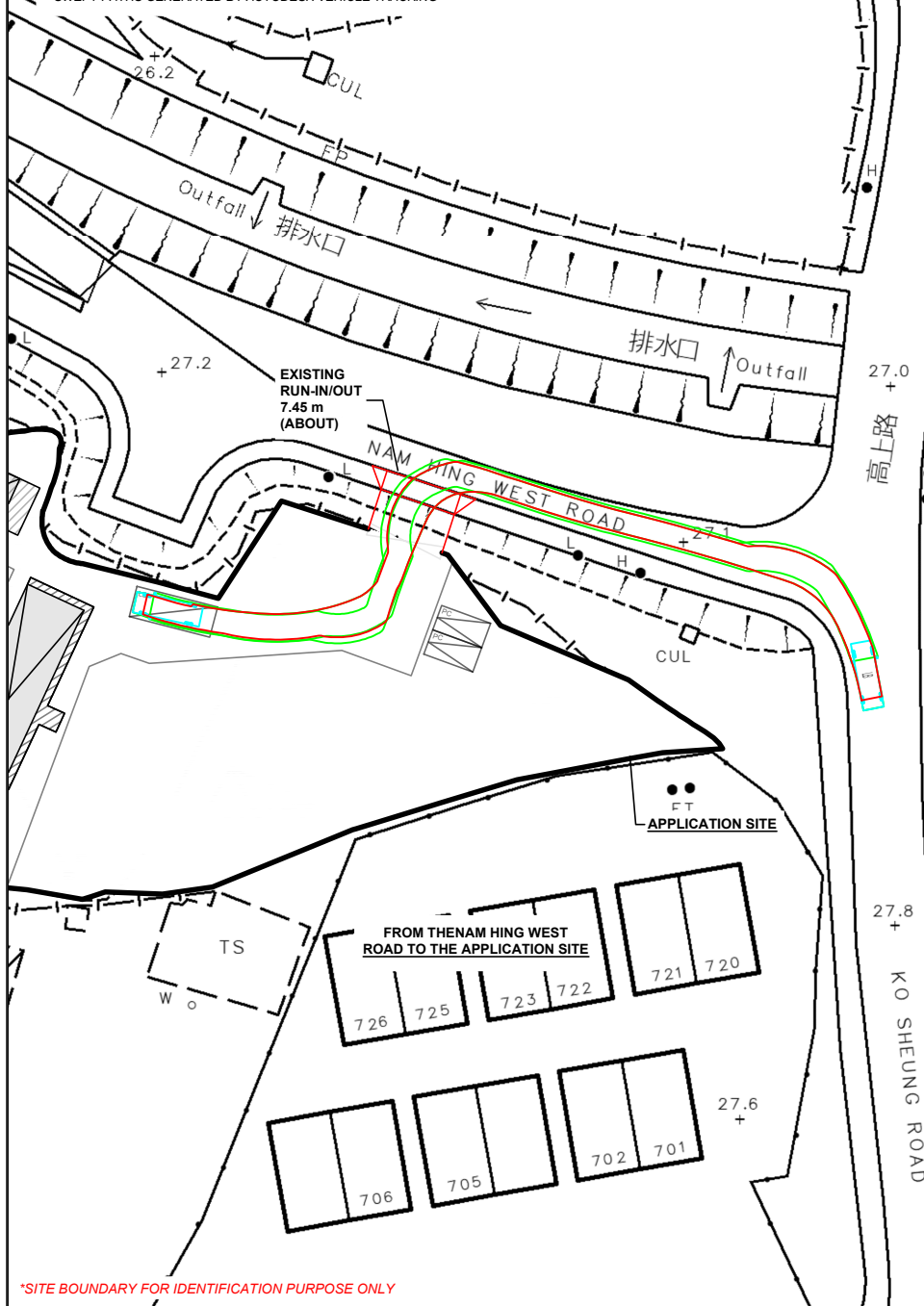
DWG. TITLE
LAYOUT PLAN

DWG NO. ANNEX 4	VER. 002
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SWEPT PATH ANALYSIS

TYPE OF VEHICLE : LIGHT BUS
 DIMENSION OF VEHICLE : 2 m (W) X 6.5 m (L)

SWEPT PATHS GENERATED BY AUTODESK VEHICLE TRACKING



PLANNING CONSULTANT



PROJECT

PROPOSED TEMPORARY PLACE OF RECREATION, SPORTS OR CULTURE WITH ANCILLARY FACILITIES FOR A PERIOD OF 3 YEARS AND ASSOCIATED FILLING OF LAND

SITE LOCATION

VARIOUS LOTS IN D.D. 112, SHEK KONG, YUEN LONG, NEW TERRITORIES

SCALE

1:700 @ A4

DRAWN BY MN DATE 20.3.2025

CHECKED BY DATE

APPROVED BY DATE

DWG. TITLE SWEPT PATH ANALYSIS

DWG. NO. ANNEX 4 VER. 001

LEGEND

- APPLICATION SITE
- STRUCTURE (ENCLOSED)
- STRUCTURE (NOT ENCLOSED)
- PARKING SPACE (PC)
- LOADING / UNLOADING SPACE (LB / LGV)
- INGRESS / EGRESS
- LIGHT BUS
- SWEPT PATH OF VEHICLE

*SITE BOUNDARY FOR IDENTIFICATION PURPOSE ONLY