

APPENDICES

- Appendix I** *The Accepted Drainage Proposal of the Previous Application No. A/NE-FTA/206*
- Appendix II** *Photographic Records of the Existing Drainage Facilities of the Application Site*
- Appendix III** *The Accepted Traffic Management Measures of the Previous Application No. A/NE-FTA/206*
- Appendix IV** *The Accepted Fire Service Installations (FSIs) Proposal of the Previous Application No. A/NE-FTA/206*
- Appendix V** *A set of Valid Certificate of Fire Service Installation and Equipment (F.S.251)*
- Appendix VI** *The Accepted Environmental Mitigation Measures of the Previous Application No. A/NE-FTA/206*

Appendix I

The Accepted Drainage Proposal of the Previous Application No. A/NE-FTA/206



規 劃 署

沙田、大埔及北區規劃處
新界沙田上禾輦路 1 號
沙田政府合署 13 樓



Planning Department

Sha Tin, Tai Po & North
District Planning Office
13/F, Shatin Government Offices,
1 Sheung Wo Che Road, Sha Tin,
N.T.

本函檔號 Your Reference :
本署檔號 Our Reference : () in TPB/A/NE-FTA/206
電話號碼 Tel. No. : 2158 6220
傳真機號碼 Fax No. : 2691 2806 / 2696 2377

By Post and Fax (3105 0810)

M&D Planning and Surveyors Consultant Limited
Unit 09, 19/F
China Shipbuilding Tower,
No. 650 Cheung Sha Wan Road, Kowloon
(Attn.: Mr. Leo WONG)

24 February 2022

Dear Sir/Madam,

**Proposed Temporary Rural Workshop (Timber Yard and Sawmill) for a Period of 3 Years
in "Agriculture" Zone, Lots 581 (Part), 582 (Part), 583 and 584 RP in D.D. 89 and
Adjoining Government Land Man Kam To Road, Sha Ling, New Territories**

(Compliance with Approval Condition (a) for Planning Application No. A/NE-FTA/206)

I refer to your submission dated 21.12.2021 for compliance with approval condition (a) in relation to the submission of a drainage proposal under the captioned planning application.

Chief Engineer/Mainland North, Drainage Services Department (Contact person: Mr. Marcus CHENG; Tel. No.: 2300 1407) has been consulted and advised that approval condition (a) is considered complied with. His comments are attached in **Appendix I**.

Please proceed to implement the accepted drainage proposal for compliance with approval condition (b). In order to facilitate compliance checking, you are required to inform this office and submit photographs for inspection.

Should you have any queries, please feel free to contact Ms. Michelle L.T. CHAN of this department at 2158 6391.

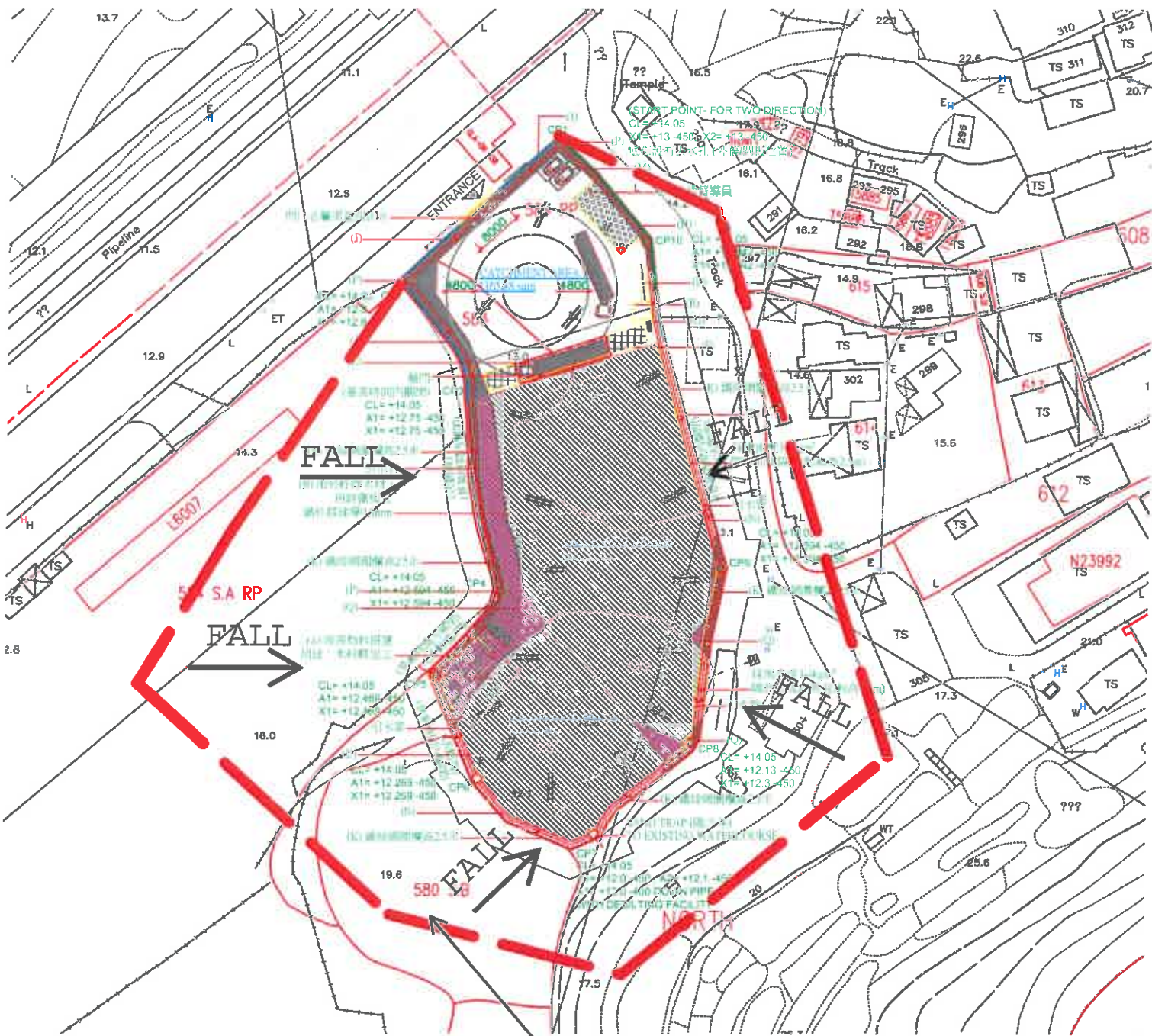
Yours faithfully,

(Ms. Margaret CHAN)
for Director of Planning

Appendix I

Comments of the Chief Engineer/Mainland North, Drainage Services Department
(Contact Person: Mr. Marcus CHENG; Tel. No.: 2300 1407):

- a) the "existing watercourse" to which the applicant proposed to discharge the storm water from the subject site is not maintained by his office. The applicant should identify the owner of the "existing watercourse" to which the proposed connection will be made and obtain consent from the owner prior to commencement of proposed works. In the case that it is a local village drains, the North District Office of the Home Affairs Department should be consulted;
- b) the applicant is required to construct and maintain the proposed drainage works properly and rectify the drainage systems if they are found to be inadequate or ineffective during operation. The applicant shall also be liable for and shall indemnify claims and demands arising out of damage or nuisance caused by a failure of the systems. For works undertaken outside the lot boundary, prior consent and agreement from the North District Lands Office of the Lands Department and/or relevant private lot owners should be sought;
- c) the applicant is reminded that all existing flow paths as well as the run-off falling onto and passing through the site should be intercepted and disposed of via proper discharge points. The applicant shall also ensure that no works, including any site formation works, shall be carried out as may adversely interfere with the free flow condition of the existing drain, channels and watercourses on or in the vicinity of the Site any time during or after the works;
- d) the lot owner / developer shall take all precautionary measures to prevent any disturbance, damage and pollution from the development to any parts of the existing drainage facilities in the vicinity of the lots. In the event of any damage to the existing drainage facilities, the developer shall be held responsible for the cost of all necessary repair works, compensation and any other consequences arising there from; and
- e) the applicant shall allow all time free access for the Government and its agent to conduct site inspection on his completed drainage works, if necessary.



Outside Catchment Area
=6925.52m2

Catchment Area and Catchment Zone

Company:

Project :

Date: 24/11/2021

Calculation for channels:

Catchment Area of site

Site Catchment Area A = 1165.48 m²
= 0.00116548 km²

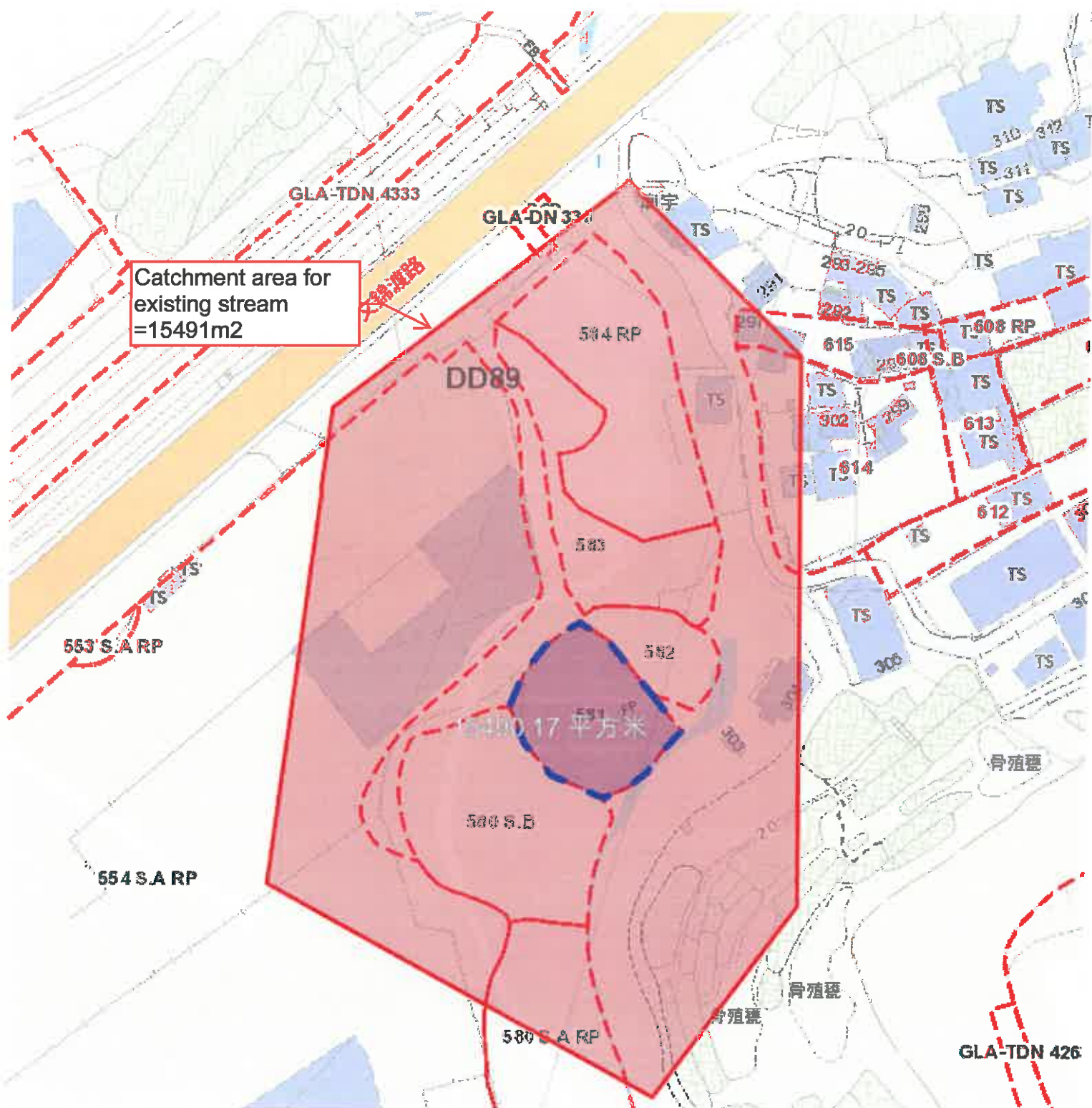
Peak runoff in m³/s = 0.278 x 0.95 x 250 mm/hr x 0.001165 km²
= 0.076950817 m³/s
= 4617 liter/min

Site Catchment Area B = 1837.93 m²
= 0.00183793 km²

Peak runoff in m³/s = 0.278 x 0.95 x 250 mm/hr x 0.001838 km²
= 0.121349328 m³/s
= 7281 liter/min

Site Catchment Area C	=	832.07	m ²					
	=	0.00083207	km ²					
Peak runoff in m ³ /s	=	0.278	x	0.95	x	250	mm/hr	x 0.000832 km ²
	=	0.054937422	m ³ /s					
	=	3296	liter/min					
Outside Catchment Area	=	6925.52	m ²					
	=	0.00692552	km ²					
Peak runoff in m ³ /s	=	0.278	x	0.25	x	250	mm/hr	x 0.006926 km ²
	=	0.12033091	m ³ /s					
	=	7220	liter/min					
Total Peak runoff in m ³ /s	=	0.0770	+	0.1213	+	0.0549	+	0.120331
	=	0.37356848	m ³ /s					
	=	22414	liter/min					

According to (Figure 8.7 - Chart for the Rapid Design of Channels),
 For gradient 1:100, 450UC will be suitable.



Catchment area for existing stream = 15491m2

5400.17 平方米

GLA-TDN 4333

GLA-DN 331

GLA-TDN 426

DD89

504 RP

503

502

500 S.B

553 S.A RP

554 S.A RP

580 S.A RP

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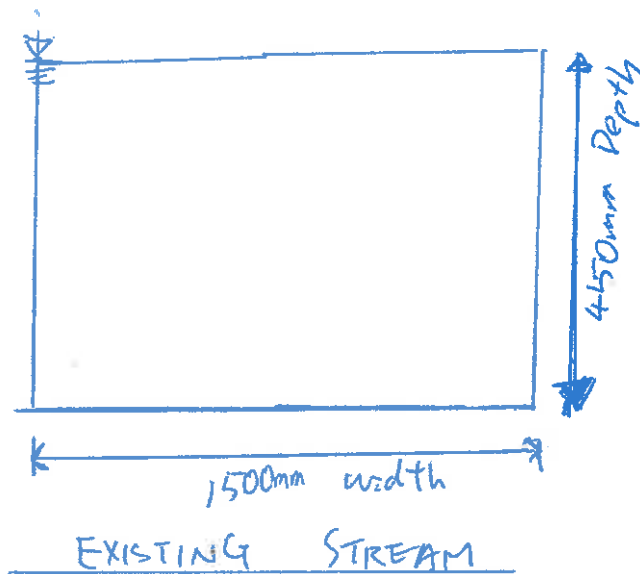
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Catchment Area for existing stream

$$\begin{aligned} \text{Area} &= 15491 \text{ m}^2 \\ &= 0.015491 \text{ km}^2 \end{aligned}$$

$$\begin{aligned} \text{Peak runoff in m}^3/\text{s} &= 0.278 \text{ x } 0.95 \text{ x } 250 \text{ mm/hr x } 0.015491 \text{ km}^2 \\ &= 1.022793275 \text{ m}^3/\text{s} \\ &= 61368 \text{ liter/min} \end{aligned}$$



$$\text{GRADIENT } S = 1:100 = 0.01$$

$$\text{MANNING'S } n = 0.025 \text{ (Natural Stream Channel, (1) Best Condition)}$$

(TABLE 13 OF DSD SDM, 2018)

CROSS-SECTIONAL AREA A

$$= 1.5 \times 0.45 = 0.675 \text{ m}^2$$

$$\text{Perimeter } P = 1.5 + 0.45 \times 2 = 2.4 \text{ m}$$

$$R = \frac{A}{P} = \frac{0.675}{2.4} = 0.281$$

By MANNING'S EQUATION,

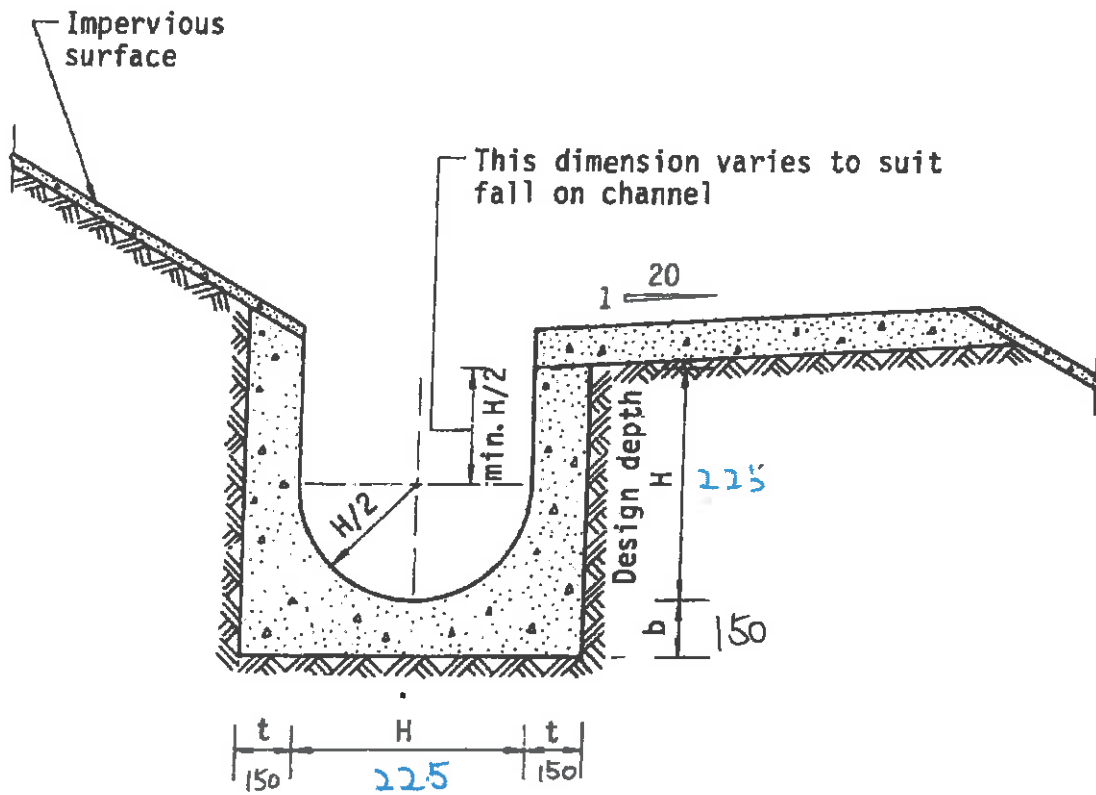
$$\text{FLOW CAPACITY } Q = \frac{A \times R^{\frac{2}{3}} \times S^{\frac{1}{2}}}{n}$$

$$= \frac{0.675 \times 0.281^{\frac{2}{3}} \times 0.01^{\frac{1}{2}}}{0.025}$$

$$= 1.1586 \text{ m}^3/\text{s}$$

$$> 1.023 \text{ m}^3/\text{s} \quad \boxed{\text{OK!}}$$

THEREFORE, EXISTING STREAM HAS ADEQUATE CAPACITY TO CATER THE SURFACE RUNOFF WHEN THERE IS PROPOSED DEVELOPMENT



Dimensions of U - channel

Nominal size of channel H (mm)	Thickness t (mm)	Thickness b (mm)
225	150	150

Figure 8.11 - Typical U-channel Details

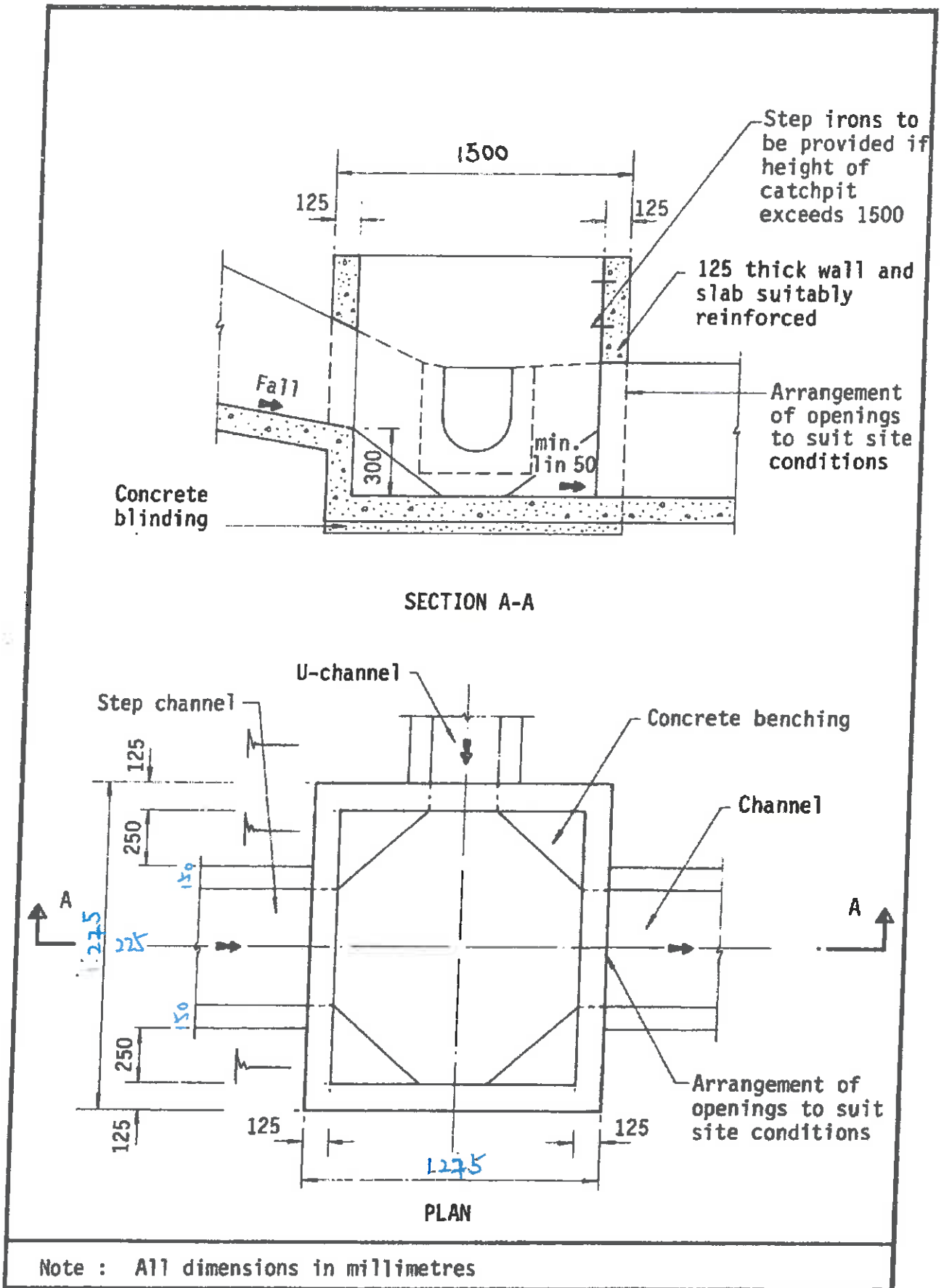
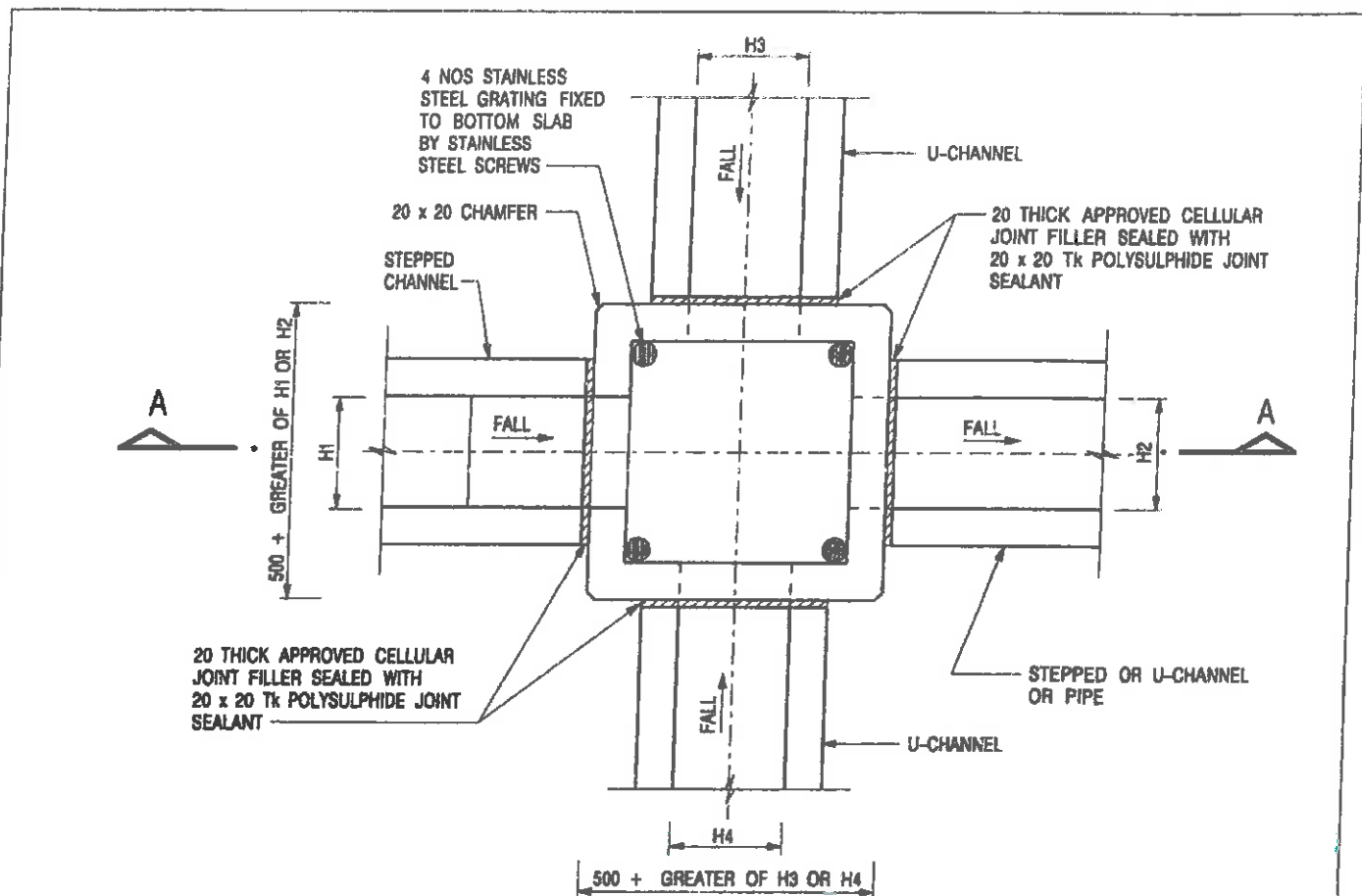
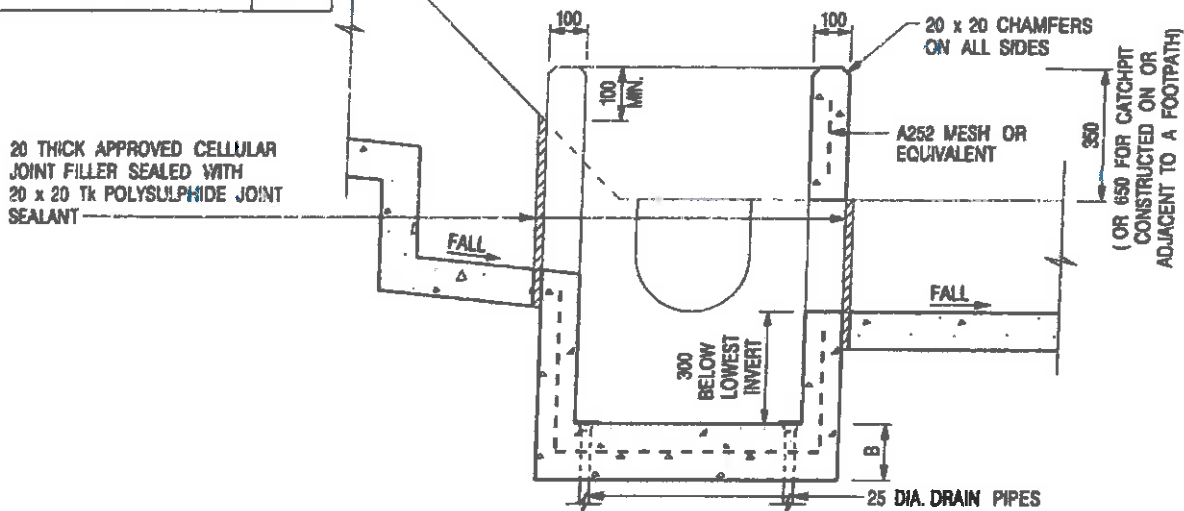


Figure 8.10 - Typical Details of Catchpits



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



NOTES:

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

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

CATCHPIT WITH TRAP
(SHEET 1 OF 2)



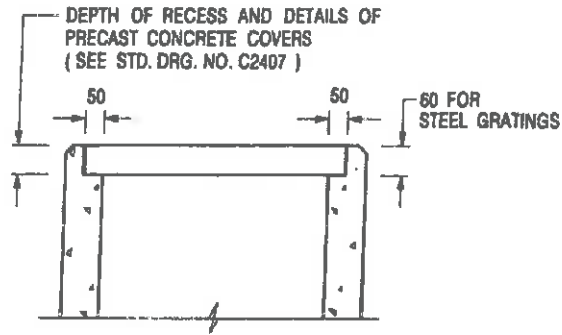
**CIVIL ENGINEERING AND
DEVELOPMENT DEPARTMENT**

SCALE 1 : 20

DRAWING NO.

DATE JAN 1991

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) 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 'G' ON STD. DRG. NO. C2405; 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 'F' ON STD. DRG. NO. C2405.
12. SUBJECT TO THE APPROVAL OF THE ENGINEER, OTHER MATERIALS CAN ALSO BE USED AS COVERS / GRATINGS.

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

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



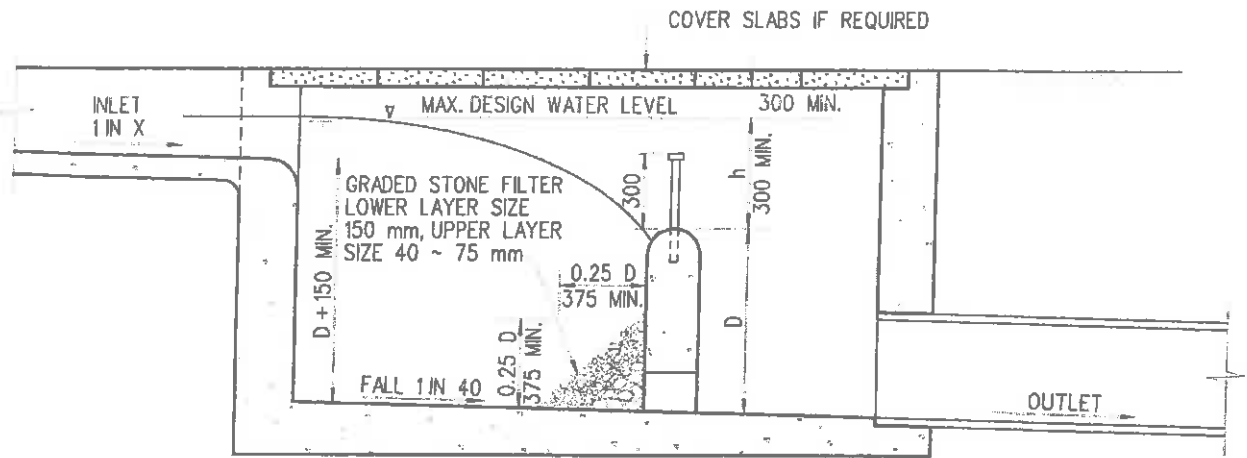
**CIVIL ENGINEERING AND
DEVELOPMENT DEPARTMENT**

SCALE 1 : 20

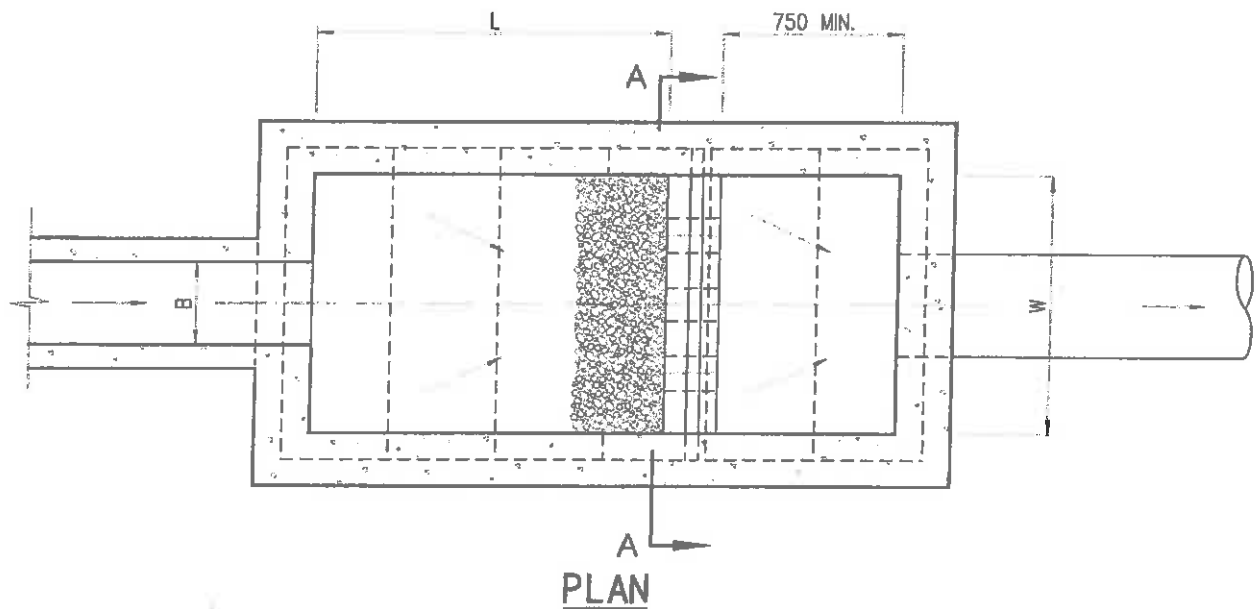
DRAWING NO.

DATE JAN 1991

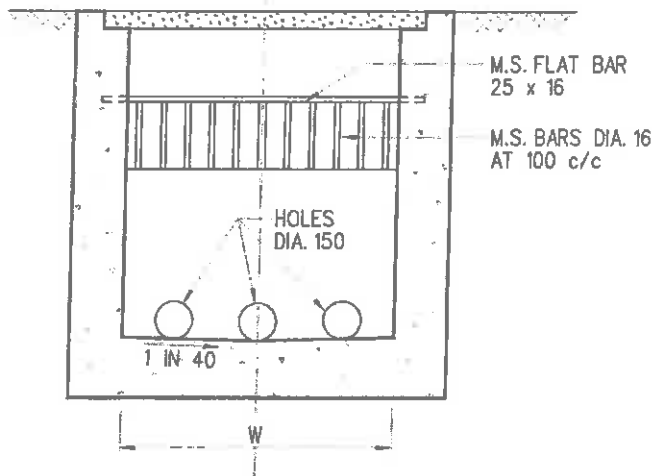
C2406 /2



LONGITUDINAL SECTION



PLAN



SECTION A-A

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES.
2. NORMALLY FOR DRAINS OF 900 mm DIA. AND BELOW. FOR BIGGER DRAINS AND STEEP TERRAIN, SAND TRAP SHOULD BE SPECIALLY DESIGNED.
3. **SIZE**
 DEPTH : $D < 750$
 WIDTH : $W \geq 3B$
 LENGTH : $4.8D^{0.67} h^{0.5} X^{0.5} \geq 4B$
4. **GRADED STONE FILTER** SHALL BE CRUSHER RUN GRANITE AGGREGATE.
5. **CAPACITY** D W L TO BE ACCORDING TO SIZE AND NATURE OF CATCHMENT, PROVIDING DETENTION TIME NOT LESS THAN 5 MINUTES FOR MAX. DESIGN FLOW OF INLET.

B	REDRAWN BY CAD	ORIGINAL SIGNED	8.8.2001
A	GENERAL REVIEW	ORIGINAL SIGNED	2.2.2001
REV.	DESCRIPTION	SIGNATURE	DATE

DRAINAGE SERVICES DEPARTMENT

SAND TRAP

REFERENCE

DRAWING No.

SCALE

DIAGRAMMATIC

DS 1025B

Appendix II

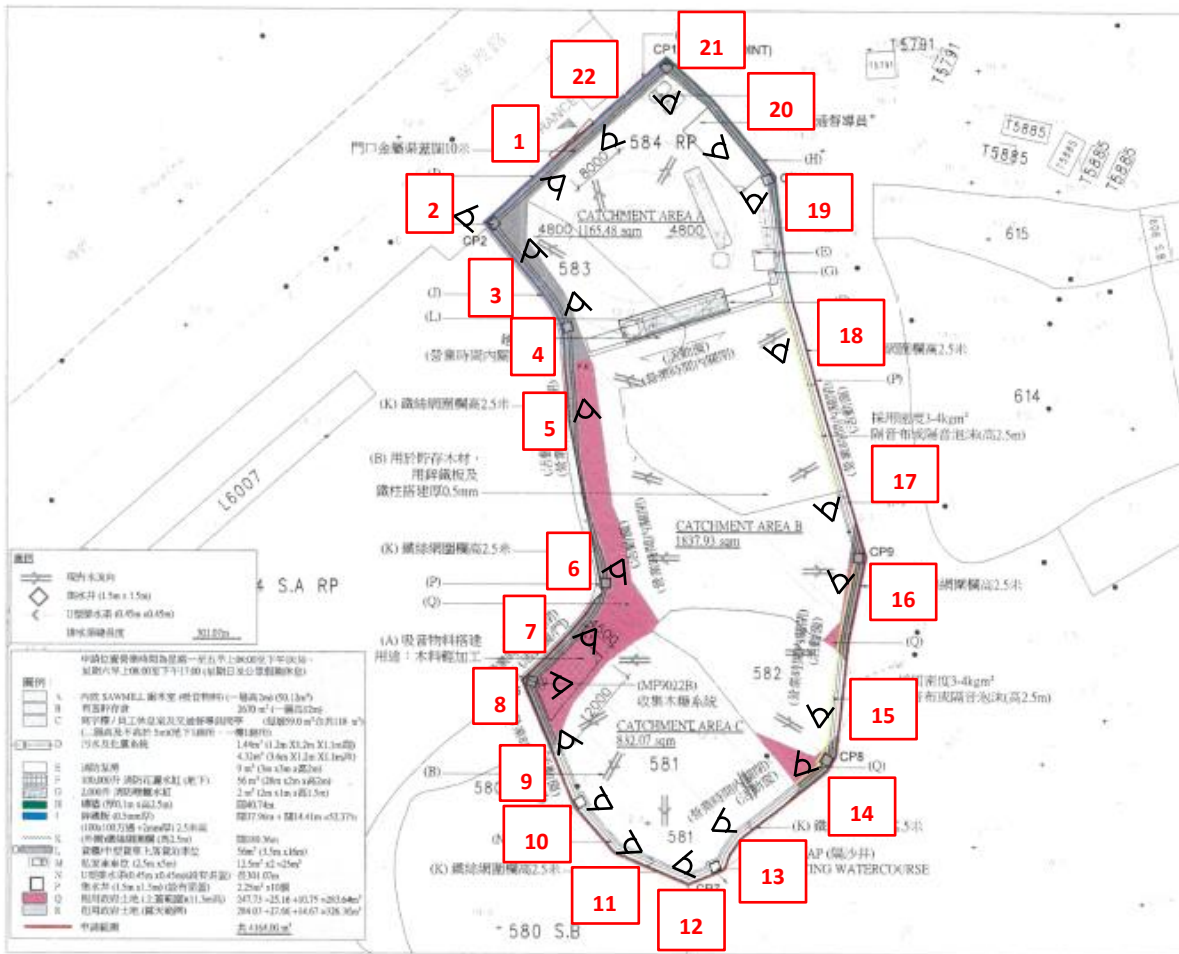
Photographic Records of the Existing Drainage Facilities of the Application Site



Appendix II - Photographic Record Showing the Existing Condition of Drainage Facilities

Renewal of Planning Approval for Temporary Rural Workshop (Timber Yard and Sawmill) for a Period of 3 Years in "Agriculture" Zone, Various Lots in D.D. 89 and Adjoining Government Land, Man Kam To Road, Sha Ling, New Territories

(Photos taken on 2/9/2024)











Appendix III

The Accepted Traffic Management Measures of the Previous Application No. A/NE-FTA/206



規 劃 署

沙田、大埔及北區規劃處
香港新界沙田上禾輦路一號
沙田政府合署
十三樓 1301-1314 室



Planning Department

Sha Tin, Tai Po & North District Planning Office
Rooms 1301-1314, 13/F,
Shatin Government Offices,
1 Sheung Wo Che Road, Sha Tin,
N.T., Hong Kong

來函檔號 Your Reference:
本署檔號 Our Reference: () in TPB/A/NE-FTA/206
電話號碼 Tel. No.: 2158 6220
傳真機號碼 Fax No.: 2691 2806

九龍新蒲崗大有街 16 號
昌泰工廠大廈 8 樓
恆匯(香港)工程有限公司
(經辦人：黃新和)

郵遞函件

先生 / 女士：

在劃為「農業」地帶
的新界沙嶺文錦渡路丈量約份第 89 約地段
第 581 號(部分)、第 582 號(部分)、
第 583 號及第 584 號餘段和毗鄰政府土地
關設擬議臨時鄉郊工場(木園及鋸木廠)(為期 3 年)

(履行規劃申請編號：A/NE-FTA/206 的規劃許可附帶條件 (c) 項)

本署於二零二三年一月九日收到你有關履行規劃許可附帶條件 (c) 項就落實車流管理措施所提交的資料，現回覆如下：

運輸署署長(經辦人：葉祖蔭先生；電話：2399 2549) 審視你提交的文件後，認為你所提交的資料可以接納。因此，你已經履行規劃許可附帶條件 (c) 項。

如有任何有關車流管理措施的疑問，請聯絡運輸署葉祖蔭先生(電話：2399 2549)。如你有其他規劃疑問，請與本署莊琬婷女士(電話：2158 6241)聯絡。

規劃署署長

(陳巧賢

代行)

二零二三年一月二十日

特別抄送

運輸署署長

發展局

(經辦人：葉祖蔭先生)

(經辦人：劉慧璋女士)

(傳真：2381 3799)

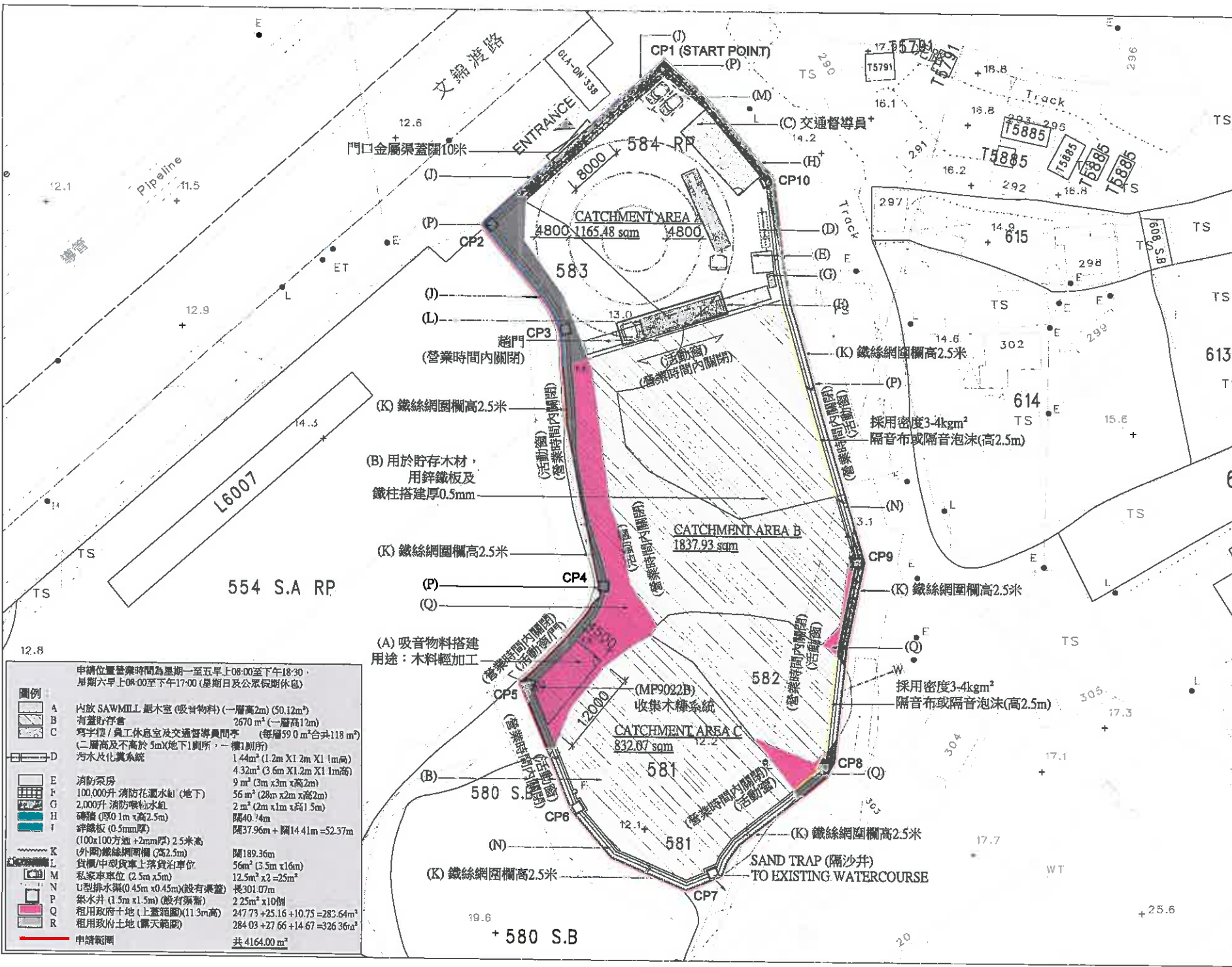
(傳真：2868 4530)

內部抄送

總城市規劃師／城市規劃委員會(1)

地盤檔案

HFC/TF/AC/MA/ma



S.D. Reference
N.W. Reference
L.D. Reference
F.S.D. Reference

Notes
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REV	DESCRIPTION	DATE



Tel: 2191 4088
Fax: 3105 0810
Email: sales@modameg.com.hk

Project
PROPOSED TEMPORARY RURAL WORKSHOP (TOBBER YARD AND SAWMILL) FOR A PERIOD OF YEARS LOTS 581 (PART), 580 (PART), 583 AND 584 RP AND ADJOINING GOVERNMENT LAND IN D.D.89, MAN KAM TO ROAD, SHA LING, NT.

Application

Drawing title
PROPOSED LAYOUT PLAN

Scale	1:500 (A3)	Revisions	-
Designed by	Yu Leung	Drawn by	Yu Leung
Checked by	AY	Date	03-NOV-2021
Job No.	-	Drawing No.	LP-01

申請位置營業時間為星期一至五早上08:00至下午18:30，星期六早上08:00至下午17:00 (星期日及公眾假期休息)

圖例	說明	面積/尺寸
A	內放 SAWMILL 鋸木室 (吸音物料) (一層高2m)	50.12m ²
B	有蓋貯存倉	2670 m ² (一層高12m)
C	寫字樓 / 員工休息室及交通督導員問亭 (每層59.0 m ² 合共118 m ²) (二層高及不高於 5m)(地下1廁所, 一樓1廁所)	118 m ²
D	污水及化糞系統	1.44m ² (1.2m X1.2m X1.1m高) 4.32m ² (3.6m X1.2m X1.1m高)
E	消防泵房	9 m ² (3m x3m x高2m)
F	100,000升 消防花灑水缸 (地下)	56 m ² (28m x2m x高2m)
G	2,000升 消防喉口水缸	2 m ² (2m x1m x高1.5m)
H	磚牆 (厚0.1m x高2.5m)	闊40.74m
I	碎鐵板 (0.5mm厚)	闊37.96m + 闊14.41m = 52.37m
K	(100x100方道 + 2mm厚) 2.5米高 (外圍) 鐵絲網圍欄 (高2.5m)	闊189.36m
L	貨櫃/中型貨車上落貨泊車位	56m ² (3.5m x16m)
M	私家車車位 (2.5m x5m)	12.5m ² x2 = 25m ²
N	U型排水渠(0.45m x0.45m)(設有渠蓋)	長301.07m
P	集水井 (1.5m x1.5m) (設有渠蓋)	2.25m ² x10個
Q	租用政府土地 (上蓋範圍)(11.3m高)	247.73 + 25.16 + 10.75 = 283.64m ²
R	租用政府土地 (露天範圍)	284.03 + 27.66 + 14.67 = 326.36m ²
	申請範圍	共 4164.00 m ²

Appendix IV

The Accepted FSIs Proposal of the Previous Application No. A/NE-FTA/206



規 劃 署

沙田、大埔及北區規劃處
香港新界沙田上禾輦路一號
沙田政府合署
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Planning Department

Sha Tin, Tai Po & North District Planning Office
Rooms 1301-1314, 13/F,
Shatin Government Offices,
1 Sheung Wo Che Road, Sha Tin,
N.T., Hong Kong

來函檔號 Your Reference:
本署檔號 Our Reference: () in TPB/A/NE-FTA/206
電話號碼 Tel. No.: 2158 6220
傳真機號碼 Fax No.: 2691 2806

九龍新蒲崗大有街 16 號
昌泰工廠大廈 8 樓
恆匯(香港)工程有限公司
(經辦人：黃新和)

郵遞函件

先生 / 女士：

在劃為「農業」地帶
的新界沙嶺文錦渡路丈量約份第 89 約地段
第 581 號(部分)、第 582 號(部分)、
第 583 號及第 584 號餘段和毗鄰政府土地
關設擬議臨時鄉郊工場(木園及鋸木廠)(為期 3 年)

 (履行規劃申請編號：A/NE-FTA/206 的規劃許可附帶條件 (d) 項)

本署於二零二三年十二月十日收到你有關履行規劃許可附帶條件 (d) 項就所提交落實消防裝置及滅火水源建議的資料，現回覆如下：

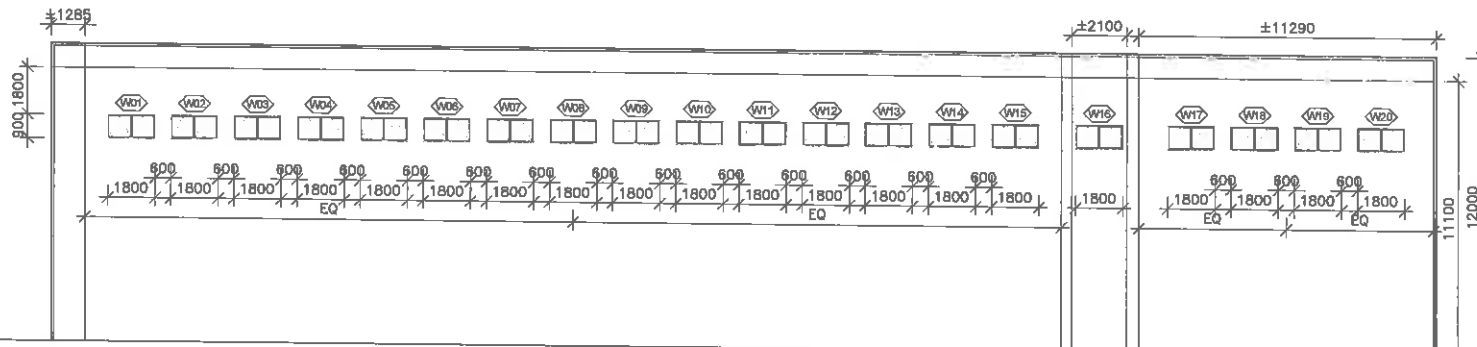
消防處處長已審視你提交的文件，並認為你所提交的資料可以接納。因此，你已經履行規劃許可附帶條件 (d) 項。

如你有其他規劃疑問，請與本署莊琬婷女士(電話：2158 6241)聯絡。

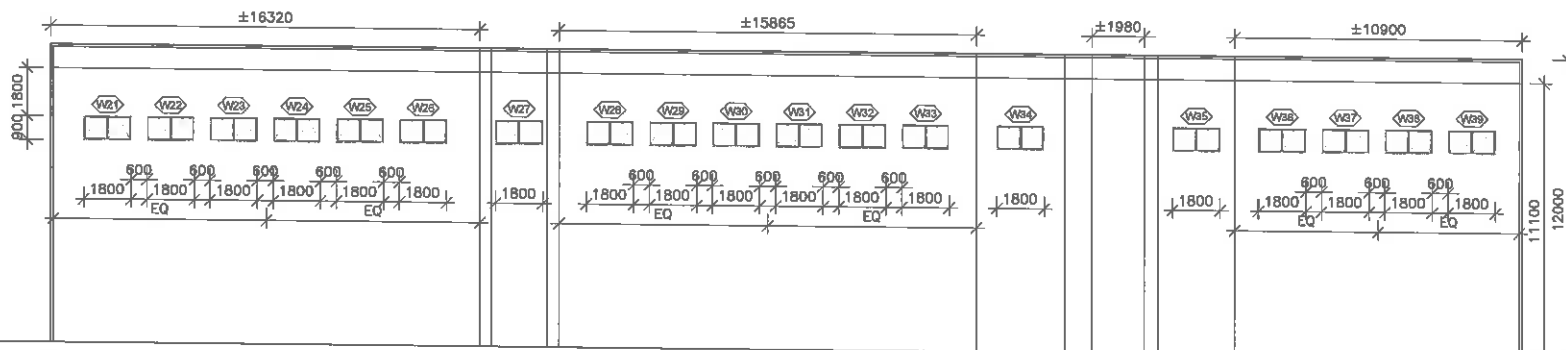
規劃署署長

(陳巧賢  代行)

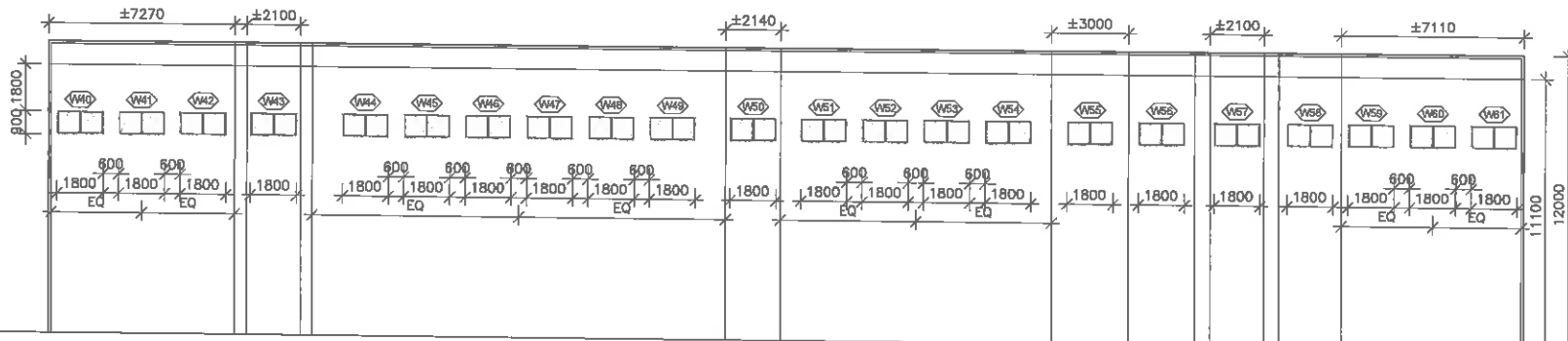
二零二四年二月五日



ELEVATION 1
1:200



ELEVATION 2
1:200



ELEVATION 3
1:200

B.D. Reference
M.M. Reference
L.D. Reference
F.S.D. Reference

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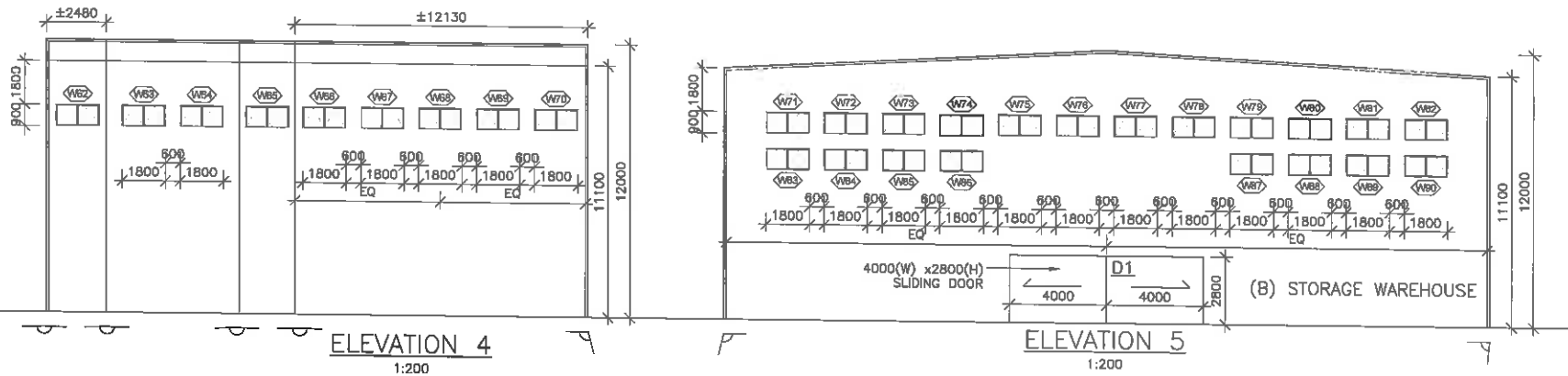
Tel: 2191 4088
Fax: 3105 0810
Email: sales@modemeng.com.hk

Project
PROPOSED TEMPORARY RURAL WORKSHOP (TIMBER YARD AND SAWMILL) FOR A PERIOD OF YEARS LOTS 381 (PART), 382(PART), 383 AND 384 RP AND ADJOINING GOVERNMENT LAND IN D.D.89, MAN KAM TO ROAD, SHA LUN, N.T.

Application

Drawing Title
OPENABLE WINDOW ELEVATION

Scale 1:200 (A3)	Revision -
Designed by Yu Leung	Drawn by Yu Leung
Checked by AY	Date 16-NOV-2021
Job No. -	Drawing No. FS-02



OPENABLE WINDOW SCHEDULE

LOCATION	WINDOW MARK	DOOR MARK	SIZE	AREA
(B) STORAGE WAREHOUSE	(W1-W91)		1800x900	1.62m ² x 91 pcs = 147.42m ²
ENTRANCE	-	D1	8000x2800	22.4m ² x 1 pc = 22.4m ²

PROPOSED TOTAL OPENABLE WINDOW AREA = 169.82m²

TOTAL OPENABLE WINDOW REQUIRED = 2670m² x 6.25%
= 166.875m²

S.D. Reference
M.W. Reference
L.D. Reference
F.S.D. Reference

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REV	DESCRIPTION	DATE

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Tel: 2191 4088
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Project
PROPOSED TEMPORARY RURAL WORKSHOP (TIMBER YARD AND SAWMILL) FOR A PERIOD OF THREE YEARS LOTS 391 PARTLY SEPARATED, S51 AND S54 RP AND ADJOINING GOVERNMENT LAND IN D.D.R. MAN KAM TO ROAD, BEA LUNG, N.T.

Application

Drawing Title
OPENABLE WINDOW SCHEDULE, NOTES, & ELEVATION

Scale	Revision
1:200 (A3)	-
Designed by	Drawn by
Yu Leung	Yu Leung
Checked by	Date
AY	16-NOV-2021
Job No.	Drawing No.
-	FS-03

FIRE SERVICES NOTES:

1) FIRE HOSE REEL SYSTEMS

- 1.1 THERE SHALL BE SUFFICIENT F.H. AND H.R. TO ENSURE THAT EVERY PART OF THE BUILDING CAN BE REACHED BY A LENGTH OF NOT MORE THAN 30m OF FIRE SERVICES HOSE AND REEL TUBING.
- 1.2 1 NO. OF 2,000 LITERS H.R. WATER TANK TO BE PROVIDED AS INDICATED ON PLAN.
- 1.3 ELECTRICALLY DRIVEN FIXED FIRE PUMPS (ON DUTY & ONE STANDBY) SHALL BE PROVIDED AS INDICATED ON PLANS TO MAINTAIN A SYSTEM RUNNING PRESSURE BETWEEN 350 kPa TO 850 kPa WITH A TOTAL AGGREGATE FLOW OF NOT LESS THAN 900L/MIN FROM ANY TWO HYDRANT OUTLETS. PARITY VALVE SHALL BE PROVIDED AT ANY HYDRANT OUTLET POINT WHERE NECESSARY TO MAINTAIN WITHIN THE REQUIRED PRESSURE RANGE AND FLOW SINGLE OUTLET FIRE HYDRANT OUTLETS TO BE PROVIDED
- 1.4 FIRE SERVICES INLET TO BE PROVIDED AT POSITION AS SHOWN ON PLANS

2) AUTOMATIC SPRINKLER SYSTEM

- 2.1 AN INDEPENDENT AUTOMATIC SPRINKLER SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH LPC BS EN 12845:2015 AND FSD CIRCULAR LETTER 5/2020 FOR THE DESIGNED HAZARD GROUP HIGH RISE SPRINKLER SYSTEMS SHALL COMPLY WITH THE REQUIREMENTS ACCORDING TO HAZARD CLASS OH4
- 2.2 ALL SPRINKLER HEADS SHALL BE OF FAST RESPONSE TYPE.
- 2.3 1 NO. OF 160,000 LITERS SPRINKLER WATER TANK IN ACCORDANCE WITH LPC BS EN 12845:2015 TO BE PROVIDED AS INDICATED ON PLANS TO SERVE THE SPRINKLER SYSTEM WHICH IS TO BE FED BY SINGLE END DIRECTLY FROM TOWN MAIN (NON-DEPENDENT ON FLOW RATE) WITH THE COPY OF THE CONSENT FROM THE WATER AUTHORITY FOR SUCH A CONNECTION OR SUPPLY TO THE TANK WILL BE SUBMITTED BY F.S.D. BEFORE CERTIFICATION OF THE FINAL PLANS.
- 2.4 SPRINKLER ALARM VALVE SET SHALL BE PROVIDED AS SHOWN ON PLANS FOR SPRINKLER SYSTEM. SUFFICIENT LABELS TO BE PROVIDED TO INDICATE THE ZONE THAT THE ALARM VALVE CONNECTS.
- 2.5 SPRINKLER ALARM VALVE SET SHALL BE PROVIDED AS SHOWN ON PLANS FOR SPRINKLER SYSTEM. SUFFICIENT LABELS TO BE PROVIDED TO INDICATE THE ZONE THAT THE INLET CONNECTS.
- 2.6 A SPRINKLER ANNUNCIATOR PANEL LOCATED AT G/F AS SHOWN ON PLANS TO BE PROVIDED TO INDICATE THE FLOOR UPON WHICH SPRINKLERS ARE OPERATING.
- 2.7 SPRINKLER ALARM SIGNAL SHALL BE CONNECTED TO FIRE SERVICE COMMUNICATION CENTRE VIA DIRECT TELEPHONE LINK.
- 2.8 SPRINKLER INLET TO BE PROVIDED AS INDICATED ON PLAN TO DIRECTLY CONNECT TO SPRINKLER WATER PUMP AS INDICATED ON PLANS.

3) AUTOMATIC FIRE DETECTION AND ALARM SYSTEM

- 3.1 AN AUTOMATIC FIRE ALARM SYSTEM SHALL BE PROVIDED IN ACCORDANCE WITH THE RULES OF THE LOSS PREVENTION COUNCIL FOR AUTOMATIC FIRE DETECTION AND ALARM INSTALLATIONS FOR THE PROTECTION OF PROPERTY AND COMPLY WITH BS 5839-1:2002 +A2:2008 AND FSD CIRCULAR LETTERS 1/2009 AND 3/2010, TO THE ENTIRE BUILDING, SMOKE OR HEAT DETECTORS TO BE PROVIDED TO MECHANICAL FLOORS, ELECTRICAL AND MECHANICAL PLANT ROOMS AND AREAS NOT COVERED BY SPRINKLER INSTALLATION, INTERNAL MEANS OF ESCAPE TO ESCAPE STAIRCASE, EXCEPT ALL PIPE DUCTS.
- 3.2 AN INDEPENDENT MANUAL FIRE ALARM SYSTEM CONSISTS OF BREAKGLASS UNITS AND ALARM BELLS TO BE PROVIDED AT EACH HOSE REEL POINT AND BE INCORPORATED INTO THE FIRE HYDRANT / HOSE REEL SYSTEM. ONE ACTUATING POINT AND ONE AUDIO WARNING DEVICE TO BE LOCATED AT EACH HOSE REEL POINT. THIS ACTUATING POINT SHALL INCLUDE FACILITIES FOR FIRE PUMP START AUDIO / VISUAL WARNING DEVICE INITIATION.
- 3.3 THE CONTROL AND ANNUNCIATOR PANELS OF ALL FIRE PROTECTION SYSTEMS TO BE TERMINATED AS INDICATED ON PLAN.
- 3.4 SIGNALS FROM THE AUTOMATIC FIRE ALARM SYSTEM AND MANUAL FIRE ALARM SYSTEM SHALL BE LINKED TO FIRE SERVICES COMMUNICATION CENTRE VIA DIRECT TELEPHONE LINK
- 3.5 VISUAL FIRE ALARM SYSTEM IS TO BE PROVIDED IN ACCORDANCE WITH FSD CIRCULAR LETTER 2/2012 AND IN ACCORDANCE WITH BUILDINGS DEPARTMENT - DESIGN MANUAL BARRIER FREE ACCESS 2008

4) OTHER F.S. PROVISIONS

- 4.1 SECONDARY POWER SUPPLY TO BE CONNECTED BEFORE BUILDING'S MAIN SWITCH.
- 4.2 EMERGENCY LIGHTING SHALL BE PROVIDED THROUGHOUT THE ENTIRE BUILDING AND ALL EXIT ROUTES LEADING TO GROUND LEVEL AND COMPLIED WITH BS 5286 PART 1:2016 AND BS EN 1838:2013.
- 4.3 VENTILATION / AIR CONDITIONING CONTROL SYSTEM SHALL BE PROVIDED IN ACCORDANCE WITH CODE OF PRACTICE FOR MINIMUM FIRE SERVICE INSTALLATIONS AND EQUIPMENT.
- 4.4 PORTABLE FIRE EXTINGUISHERS TO BE PROVIDED AT ALL E/M PLANT ROOMS AS INDICATED ON PLANS.
- 4.5 ALL EXITS AND EXIT ROUTES SHALL COMPLY WITH CODE OF PRACTICE & FSD C.L. 5/08 AND SUFFICIENT DIRECTIONAL AND EXIT SIGNS TO BE PROVIDED AND ENSURE THAT ALL EXIT ROUTES FROM ANY FLOOR WITHIN THE BUILDING ARE CLEARLY INDICATED AS REQUIRED BY THE CONFIGURATION OF STAIRCASE SERVING THE BUILDING, ALL REQUIRED EXITS TO BE INDICATED CLEARLY BY ILLUMINATED "EXIT" SIGNS IN BOTH ENGLISH & CHINESE CHARACTERS 125mm HIGH.
- 4.6 ALL LININGS FOR ACOUSTIC AND THERMAL INSULATION PURPOSES IN DUCTINGS AND CONCEALED LOCATIONS SHALL BE OF CLASS 1 OR 2 RATE OF SURFACE SPREAD OF FLAME AS PER BRITISH STANDARD 478:PART 7 OR ITS INTERNATIONAL EQUIVALENT, OR BE BROUGHT UP TO THAT STANDARD BY USE OF AN APPROVED FIRE RETARDANT PRODUCT.
- 4.7 ALL LININGS FOR ACOUSTIC, THERMAL INSULATION AND DECORATIVE PURPOSES WITHIN PROTECTED MEANS OF ESCAPE SHALL BE OF CLASS 1 OR 2 RATE OF SURFACE SPREAD OF FLAME AS PER BRITISH STANDARD 478:PART 7 OR ITS INTERNATIONAL EQUIVALENT, OR BE BROUGHT UP TO THAT STANDARD BY USE OF AN APPROVED FIRE RETARDANT PRODUCT.
- 4.8 STATIC SMOKE EXTRACTION SYSTEM WILL NOT BE PROVIDED. THE AGGREGATE AREA OF OPENABLE WINDOW OF THE COMPARTMENT EXCEED 6.25% OF THE FLOOR AREA.
- 4.9 STORAGE CONFIGURATION INCLUDING OF THE MAXIMUM STORAGE HEIGHT AND AREA IS COMPLY WITH THE AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH LPC BSEN 12845:2015.

HAZARD CLASS	AREA OF OPERATION m ²	STORAGE CONFIGURATION	MAXIMUM PERMITTED STORAGE HEIGHT (m)
OH4	WET OR PRE-ACTION	ST1 FREE-STANDING STORAGE	CATEGORY 1
	360m ²		6.5m

NOTE: STORAGE BLOCKS SHOULD BE SEPARATED BY AISLES NO LESS THAN 2.4m WIDE STORAGE SHOULD BE CONFINED TO BLOCKS NOT EXCEEDING 150m² IN PLAN AREA

FLOW SWITCH

APPROVED TYPE FLOW SWITCH SHALL BE SO WIRED TO GIVE INDICATION ON THE SPRINKLER ANNUNCIATOR PANEL INDICATE THE PARTICULAR ZONE OF THE SPRINKLER SYSTEM ARE OPERATING.

FIRE HOSE REEL

- 1) THE HOSE REEL SHALL BE LOCATED IN POSITION AS SHOWN ON THE DRAWING. THE HOSE REEL SHALL BE SUPPLIED BY PIPING FROM THE DISCHARGE SIDE OF THE HYDRANT SUPPLY MAIN AND A SIMPLE ON-OFF CONTROL VALVE SHALL BE PROVIDED IN THIS PIPING OF THE HOSE REEL. THE DISCHARGE NOZZLE SHALL NOT BE FIXED MORE THAN 1350mm ABOVE FLOOR.
- 2) THE TUBING OF EVERY HOSE REEL MUST BE CAPABLE OF BEING READILY WOUND ROUND A DRUM OF 380mm DIA. WITHOUT KINKING, MUST NOT KINK WHEN LED AROUND SHARP OBSTRUCTIONS AND SHALL BE CAPABLE WHEN FITTED WITH BRANCH PIPE AND NOZZLE OF PROJECTING A JET NOT LESS THAN 6,000mm IN LENGTH.
- 3) THE TUBING OF EVERY HOSE REEL SHALL HAVE A BURSTING PRESSURE OF NOT LESS THAN 2,700kPa AND SHALL NOT BE POROUS NOR EXHIBIT ANY SIGNS OF PERCOLATING BELOW 2,000kPa.
- 4) THE HOSE REEL BRANCH NOZZLE SHALL HAVE A 4.5mm DRIFICE AND BE FITTED WITH A SIMPLE TWO WAYS VALVE TO OPEN OR SHUT OFF JET. THE VALVE MUST NOT BE SPRING LOADED.
- 5) THE LENGTH OF EACH HOSE REEL SHALL NOT BE LESS THAN 30 METRES.

BREAKGLASS UNIT / ALARM BELL

- 1) BREAKGLASS UNIT (ELECTRIC REMOTE CONTROL BUTTON) SHALL BE SITED NEAR EACH HOSE REEL WITH ELECTRIC ALARM BELL AND SHALL BE SO WIRED THAT UPON THE ACTUATION OF ANY ONE BREAKGLASS UNIT WILL START THE FIXED FIRE PUMP(S) AUTOMATICALLY AND RAISED ALARM BELL AS SPECIFIED.
- 2) ALARM BELLS SHALL BE IRONCLAD CORROSION PROOF, 24 VOLT D.C. / 220V A.C., 150mm DIAMETER ROUND GONG PATTERN SUITABLE FOR 20mm DIAMETER CONDUIT ENTRY. RED GONGS ARE TO BE PROVIDED.

PIPEWORK FOR F.H. / H.R. AND SPRINKLER SYSTEM

- 1) PIPES SHALL BE OF MEDIUM GRADE G.I. TUBE CONFORMING TO BS EN 10255 STEEL TUBE AND TUBULARS FOR SCREWING TO B.S. 21 PIPE THREADS. (PIPE SIZE 150mm DIA. & BELOW)
- 2) ALL PIPEWORK AND FITTINGS SHALL BE HYDRAULICALLY TESTED TO ENSURE WATER TIGHTNESS TO A WATER PRESSURE OF THE TWICE THE MAXIMUM WORKING PRESSURE OF THE PIPING SYSTEM CONCERNED.

SPRINKLER HEAD

SPRINKLER HEAD	QUARIZOID BUILD (88°) SPRAY PENDANT, CONVENTIONAL, UPRIGHT & CONCEALED TYPE
SIZE	15mm
K FACTOR	B0 ± 5%
ORIFICE SIZE	15mm

THE CONTRACTOR SHALL ALLOW IN THEIR TENDER TO LOCATE THE SPRINKLER HEADS AT A DISTANCE OF 4500mm MAX. BELOW THE UNDERSIDE OF STRUCTURAL SLAB AS REQUIRED BY LPC RULES OR INSTRUCTED BY ARCHITECT / ENGINEER.

COLOUR CODE FOR PIPE SIZES

PIPE SIZE	COLOUR
20mm	ORANGE
25mm	GREEN
32mm	RED
38mm	PURPLE
40mm	PURPLE
50mm	YELLOW
65mm	LIGHT BLUE
80mm	DARK GREEN
100mm	LIGHT BROWN
150mm	BROWN
200mm	NAVY BLUE

LEGENDS

	150mm DIA. ALARM BELL
	AUTOMATIC AIR C/W 25mm GATE VALVE
	BALL FLOOT VALVE
	CONTROL MODULE
	DIRECT READING FLOW METER
	EMERGENCY LIGHT
	FLEXIBLE CONNECTOR
	FLOW SWITCH
	FIRE EXTINGUISHER (4.5kg Co.)
	FIRE FLASHER
	FIRE HYDRANT
	FIRE SAND BOX
	F.S. INLET / SPRINKLER INLET
	GATE VALVE
	GATE VALVE C/W PLUG
	GATE VALVE WITH MICRO-SWITCH
	HOSE REEL W/ LOCK IN GLASS FRONTED CABINET
	MONITOR MODULE
	NON-RETURN VALVE
	PRESSURE GAUGE W/ 15mm GAUGE COCK
	PRESSURE SWITCH
	SMOKE DETECTOR
	SPRINKLER HEAD AT CEILING SOFFIT
	SUBSIDIARY WITH MICRO-SWITCH
	VORTEX INHIBITOR
	VISUAL ALARM FLASH LIGHT
	WATER LEVEL CONTROL SWITCH
	WEATHERPROOF TYPE EQUIPMENT

NOTE: ALL SPRINKLER HEAD UNDER FALSE CEILING SHALL BE OF CONCEALED TYPE.

B.D. Reference	
M.V. Reference	
L.D. Reference	
F.B.D. Reference	

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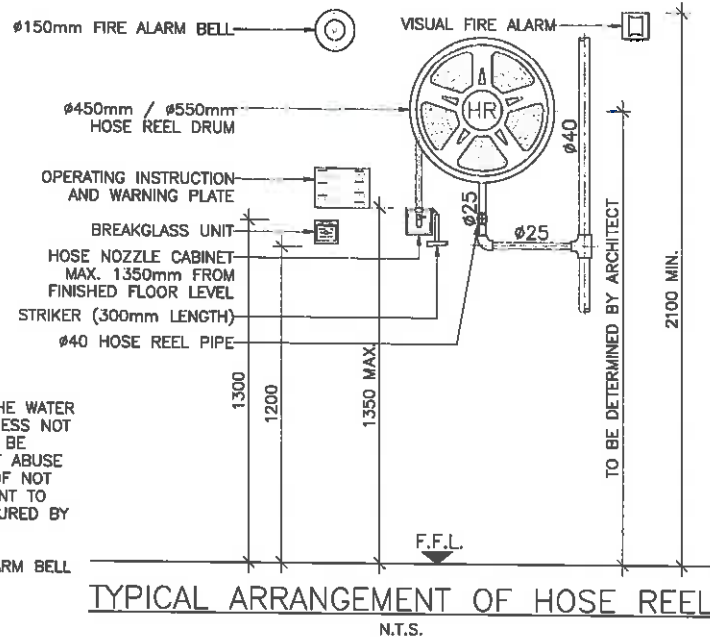
Tel: 2191 4088
Fax: 3105 0810
Email: sales@modaneng.com.hk

Project
PROPOSED TEMPORARY RURAL WORKSHOP (OTHER YARD AND SAWMILL) FOR A PERIOD OF 5 YEARS LOTS 51 PART 1, 50 PART 1, 50 AND 51A RD AND ADJOINING GOVERNMENT LAND IN D.D.88, MAY KAM TO ROAD, SHA LENS, N.T.

Application

Drawing Title
NOTES, LEGENDS & COLOUR CODE

Scale	Revisions
N.T.S. (A3)	-
Designed by	Drawn by
Yu Leung	Yu Leung
Checked by	Date
AY	16-NOV-2021
Job No.	Drawing No.
-	FS-04



DETAILS OF HOSE REEL INSTRUCTION PLATE

TO OPERATE FIRE HOSE REEL
 使用消防喉
 1) BREAK GLASS OF THE FIRE ALARM CALL POINT. (OR)
 打爛火警鐘擊玻璃 (或)
 ACTUATE FIRE ALARM CALL POINT.
 按動火警鐘掣
 2) OPEN CONTROL VALVE BEFORE RUNNING OUT HOSE.
 先開啓來水掣，再拉出膠喉
 3) TURN ON WATER AT NOZZLE AND DIRECT JET AT BASE OF FIRE.
 開啓喉噴咀，然後射向火之底部
 (NOT SUITABLE FOR ELECTRICAL FIRES)
 (不適用於電火)

TEST HEIGHT NOT LESS THAN 5mm
 (BOTH ENGLISH AND CHINESE CHARACTERS)

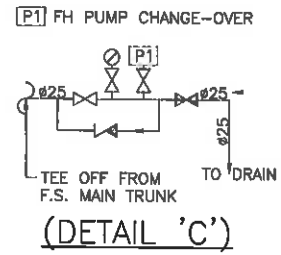
DETAILS OF HOSE REEL WARNING PLATE DETAIL

消防用水
 嚴禁作其他用途
 違例者最高罰款二萬五千元
 USE OF WATER FROM FIRE SERVICES
 FOR PURPOSES OTHER THAN FIRE
 FIGHTING IS STRICTLY PROHIBITED
 MAXIMUM PENALTY IS \$25,000
 舉報熱線：2824 5000

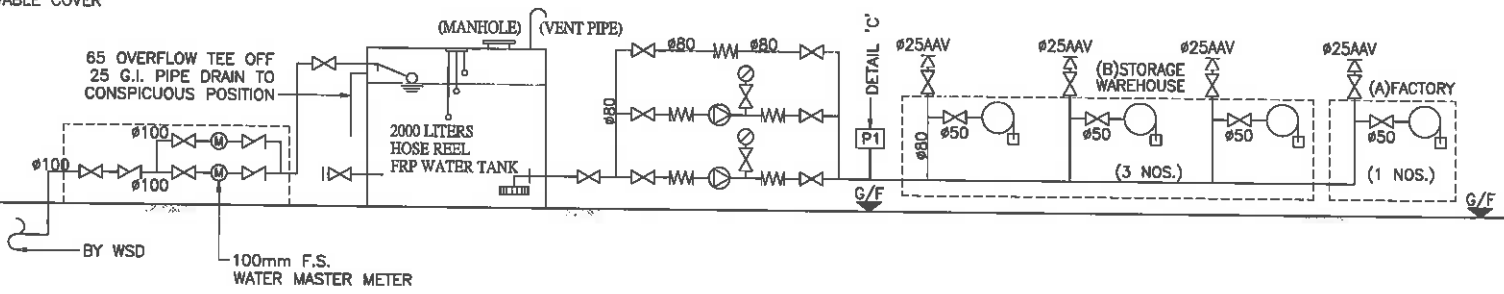
- NOTES:
- APPROVED TYPE NOZZLE BOX ACCEPTABLE TO THE WATER AUTHORITY WITH GLASS FRONT PANEL OF THICKNESS NOT MORE THAN 1.5mm AND LOCKING DEVICE SHALL BE PROVIDED TO ENCLOSE THE NOZZLE TO PREVENT ABUSE OF THE HOSE REEL. A STRIKER WITH A LENGTH OF NOT LESS THAN 300mm SHALL BE PROVIDED ADJACENT TO EACH NOZZLE BOX. THE STRIKER SHALL BE SECURED BY CHAINS.
 - MOUNTING DETAIL AND SETTING OUT OF FIRE ALARM BELL TO BE APPROVED BY ARCHITECT.

PUMP SCHEDULE

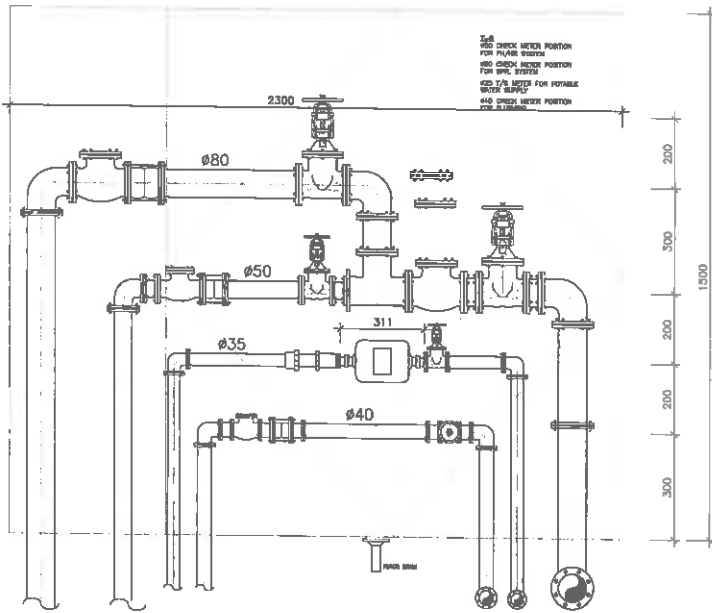
PUMP DESCRIPTION	FLOW RATE (L/min)	PRESSURE (BAR)	MOTOR POWER RATING (KW)	QTY
DUTY FIXED FIRE PUMP (FP-1)(NEW ADDITION)	900	900	900	1
STANDBY FIXED FIRE PUMP (FP-2)(NEW ADDITION)	900	900	900	1
DUTY F.S. TRANSFER PUMP (FP-1)(NEW ADDITION)	900	900	900	1
STANDBY F.S. TRANSFER PUMP (FP-1)(NEW ADDITION)	900	900	900	1



PIPE TRENCH W/
 REMOVABLE COVER



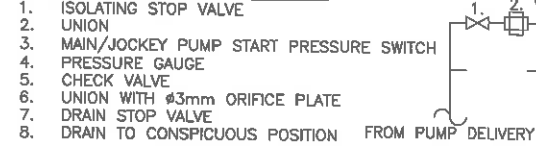
B.D. Reference
 U.W. Reference
 L.R. Reference
 F.S.D. Reference
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 REV DESCRIPTION DATE
 M&D
 Planning and Surveying Consultants Ltd.
 Tel: 2191 4088
 Fax: 3105 0810
 Email: sales@modesheng.com.hk
 Project
 PROPOSED TEMPORARY RURAL WORKSHOP COMBER YARD AND SAVANNA FOR A PERIOD OF YEARS LOTS 511 (PART), 500(PART), 505 AND 514 RP AND ADJOINING GOVERNMENT LAND IN D.D.80, MAX KAM TO ROAD, SHEA LEVEL P.T.
 Application
 Drawing Title
 PUMP SCHEDULE & SCHEMATIC PIPING DIAGRAM FOR HOSE REEL SYSTEM, NOTES, DETAIL
 Scale
 N.T.S.
 Designed by
 Yu Leung
 Drawn by
 Yu Leung
 Checked by
 AY
 Date
 16-NOV-2021
 Job No.
 -
 Drawing No.
 FS-05



PUMP SCHEDULE

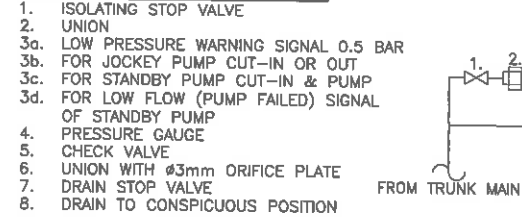
DESIGNATION	FLOW	HEAD
FP1 & FP2	900LITER/MIN.	6 BAR
SP1 & SP2	1150/540/370 LITER/MIN.	5.7/5.4/3.0 BAR
SJP	50 LITER/MIN.	6.5 BAR
FJP	50 LITER/MIN.	6.5 BAR

PUMP STARTING ARRANGEMENT



DETAIL 'A'

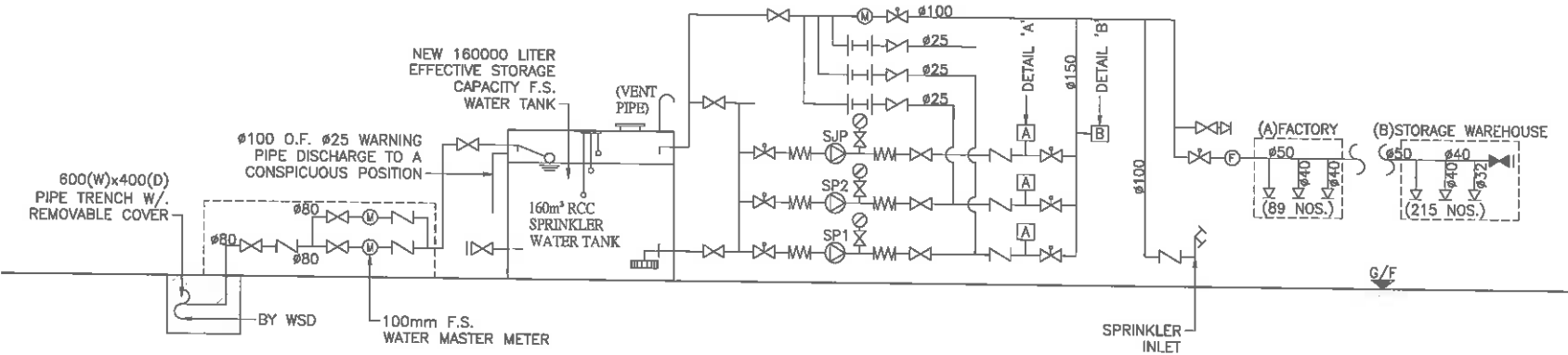
PUMP STARTING ARRANGEMENT



DETAIL 'B'

DETAIL OF CHECK WATER METER CABINET AT G/F

N.T.S.



B.D. Reference	
M.W. Reference	
L.D. Reference	
F.S.D. Reference	

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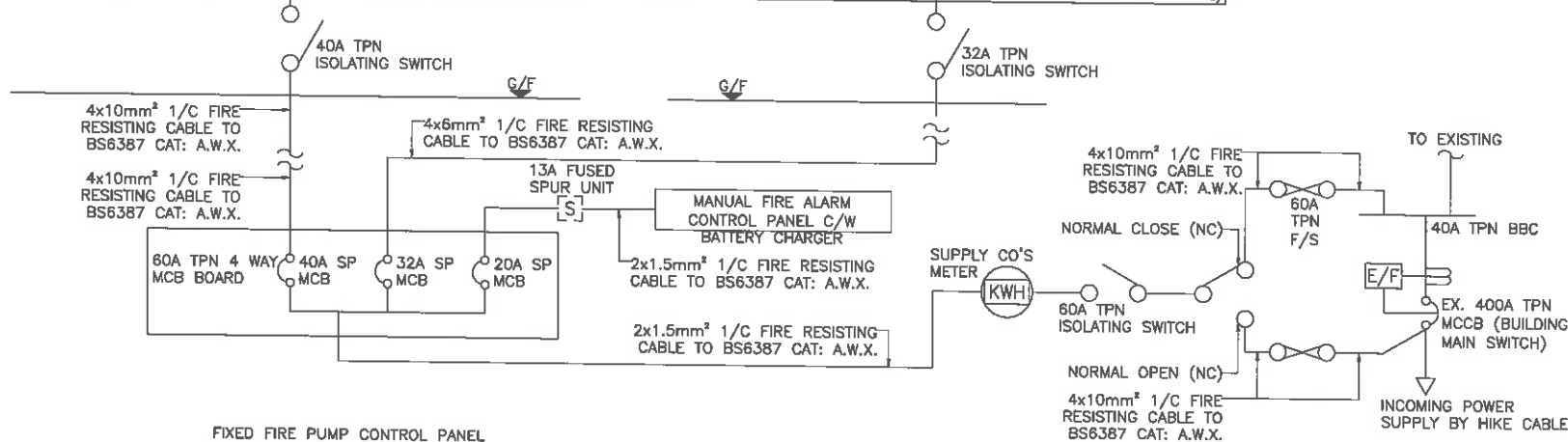
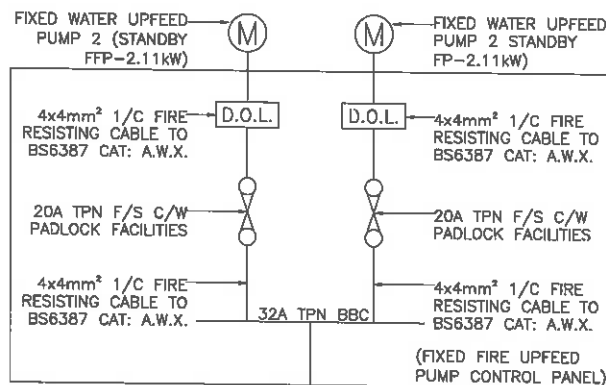
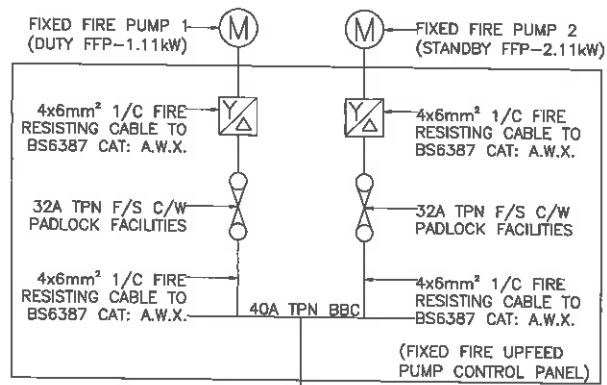
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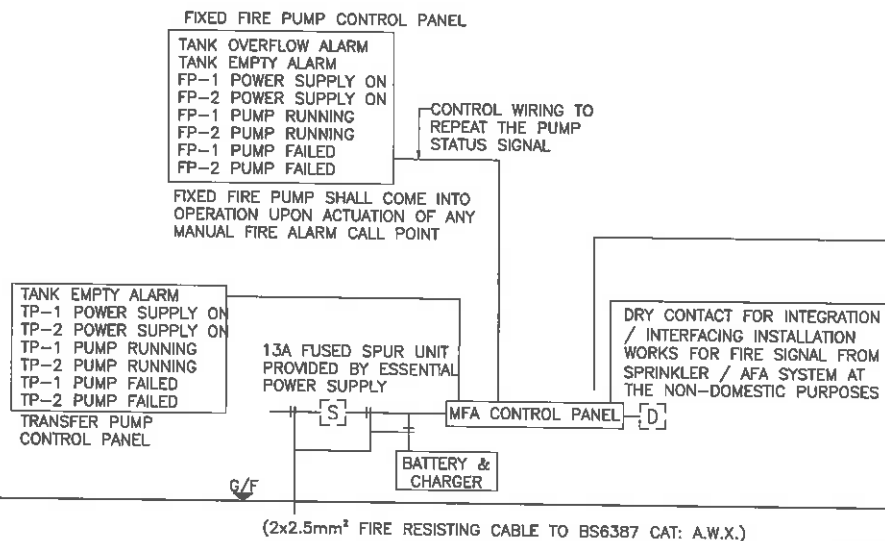
Project
PROPOSED TEMPORARY RURAL WORKSHOP (TIMBER YARD AND SAWMILL) FOR A PERIOD OF 5 YEARS LOTS 581 (PART), 582, 583 AND 584 RP AND ADJOINING GOVERNMENT LAND IN D.D.89, MAN KAM TO ROAD, YEA LENG, KT.

Application
Drawing Title
F.S. CONTROL & PLUMBING SCHEMATIC DIAGRAM FOR AUTOMATIC SPRINKLER SYSTEM

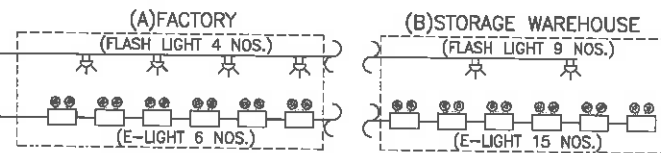
Scale	Revision
N.T.S.	-
Designed by Yu Leung	Drawn by Yu Leung
Checked by AY	Date 16-NOV-2021
Job No. -	Drawing No. FS-06



SCHEMATIC POWER SUPPLY WIRING DIAGRAM FOR F.S. IMPROVEMENT WORKS
N.T.S.



SCHEMATIC CONTROL WIRING DIAGRAM FOR MFA
N.T.S.



B.D. Reference
N.W. Reference
L.D. Reference
F.S.D. Reference

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Fax: 3105 0810
Email: sales@modemeng.com.hk

Project
PROPOSED TEMPORARY RURAL WORKSHOP (TIMBER YARD AND SAWMILL) FOR A PERIOD OF YEARS LOTS 511 PART 1, 511 PART 2, 511 AND 511 RP AND ADJOINING GOVERNMENT LAND IN D.D.38, MAU KAM TO ROAD, SHA LUN, N.T.

Application

Drawing Title
SCHEMATIC POWER SUPPLY WIRING DIAGRAM FOR F.S. IMPROVEMENT WORKS & SCHEMATIC CONTROL WIRING DIAGRAM FOR MFA

Scale	1:500 (A3)	Revisions	-
Designed by	Yu Leung	Drawn by	Yu Leung
Checked by	AY	Date	16-NOV-2021
Job No.	-	Drawing No.	FS-07

Appendix V

A set of Valid Certificate of Fire Service Installation and Equipment (F.S.251)



FIRE SERVICE (INSTALLATIONS AND EQUIPMENT) REGULATIONS

消防(裝置及設備)規例

(Regulation 9(1))

(第九條(1)款)

CERTIFICATE OF FIRE SERVICE INSTALLATION AND EQUIPMENT

消防裝置及設備證書

A 9101874

FSD Ref.: _____
消防處編號Name of Client : **Kinform Timber Company Limited**
顧客姓名Name of Building : _____
樓宇名稱Street No./Town Lot : **Lot 581(Part), 582(Part), 583 and 584RP in D.D. 89 and Adjoining** Street/Road/Estate Name : **Man Kam To Road**
門牌號數/市地段 街道/屋苑名稱Block : _____ District : **Sha Ling North** Area : HK 香港 K 九龍 NT 新界
座 分區 地區Type of Building 樓宇類型 : Industrial 工業 Commercial 商業 Domestic 住宅 Composite 綜合 Licensed premises 持牌處所 Institutional 社團
Government Land**Part 1 Annual Inspection ONLY**
第一部 只適用於年檢事項

In accordance with Regulation 8(b) of Fire Service (Installations and Equipment) Regulations, the owner of any fire service installation or equipment which is installed in any premises shall have such fire service installation or equipment inspected by a registered contractor at least once in every 12 months. 根據消防(裝置及設備)規例第八條(b)款, 擁有裝置在任何處所內的任何消防裝置或設備的人, 須每12個月由一名註冊承辦商檢查該等消防裝置或設備至少一次。

Code 編碼 (1-35)	Type of FSI 裝置類型	Location(s) 位置	Comment on Condition 狀況評述	Completion Date 完成日期(DD/MM/YY)	Next Due Date 下次到期日(DD/MM/YY)
11	Emergency Light	G/F Platform	Conforms with FSD requirements	21-05-2024	20-05-2025
12	Exit Sign	G/F Platform	Conforms with FSD requirements	21-05-2024	20-05-2025
13	Fire Alarm System (MFA)	G/F Platform	Conforms with FSD requirements	21-05-2024	20-05-2025
16	Fire Hydrant/Hose Reel System	G/F Platform	Conforms with FSD requirements	21-05-2024	20-05-2025
28	Sprinkler System	G/F Platform	Conforms with FSD requirements	21-05-2024	20-05-2025

Part 2 第二部 Installation / Modification / Repair / Inspection work 裝置/改裝/修理/檢查工作

Code 編碼 (1-35)	Type of FSI 裝置類型	Location(s) 位置	Nature of Work Carried out 完成之工作內容	Comment on Condition 狀況評述	Completion Date 完成日期(DD/MM/YY)
			NIL		

Part 3 第三部 Defects 損壞事項

Code 編碼 (1-35)	Type of FSI 裝置類型	Location(s) 位置	Outstanding Defects 未修缺點	Comment on Defects 缺點評述
			NIL	

I/We hereby certify that the above installations/equipment have been tested and found to be in efficient working order in accordance with the Codes of Practice for Minimum Fire Service Installations and Equipment and Inspection, Testing and Maintenance of Installations and Equipment published from time to time by the Director of Fire Services. Defects are listed in Part 3.

本人藉此證明以上之消防裝置及設備經試驗, 證明性能良好, 符合消防處處長不時公佈的最低限度之消防裝置及設備守則與裝置及設備之檢查測試及保養守則的規格, 損壞事項列於第三部。

**如證書涉及年檢事項, 應張貼於大廈
或處所當眼處以供消防處人員查核**

This certificate should be displayed at prominent location of the building or premises for FSD's inspection if any annual maintenance work is involved.

Authorized
Signature :
受權人簽署Name :
姓名FSD/RC No. :
消防處註冊號碼Company Name :
公司名稱Telephone :
聯絡電話Date :
日期


Ng Chun Man
RC1/309 RC2/459
East Power Engineering Ltd
 東力工程有限公司
 22-05-2024

For FSD
use only:

Inspected

Key-in

Verified

FIRE SERVICE (INSTALLATIONS AND EQUIPMENT) REGULATIONS

A 9101552

FSD Ref.: _____
消防處檔號

消防 (裝置及設備) 規例
(Regulation 9(1))
(第九條 (1) 款)

CERTIFICATE OF FIRE SERVICE INSTALLATION AND EQUIPMENT
消防裝置及設備證書

Name of Client : **Kinform Timber Company Limited**
顧客姓名

Name of Building : _____
樓宇名稱

Street No./Town Lot : **Lot 581(Part),582(Part),583 a Street/Road/Estate Name : **Man Kam To Road****
門牌號數/市地段 **584RP in D.D. 89 and Adjoining** 街道/屋苑名稱

Block : _____ District : **Sha Ling North** Area : HK K NT
座 區 地區 香港 九龍 新界

Type of Building 樓宇類型 : Industrial 工業 Commercial 商業 Domestic 住宅 Composite 綜合 Licensed premises 持牌處所 Institutional 社團

Part 1 Annual Inspection ONLY 第一部 只適用於年檢事項		In accordance with Regulation 8(b) of Fire Service (Installations and Equipment) Regulations, the owner of any fire service installation or equipment which is installed in any premises shall have such fire service installation or equipment inspected by a registered contractor at least once in every 12 months. 根據消防(裝置及設備)規例第八條(b)款, 擁有裝置在任何處所內的任何消防裝置或設備的人, 須每12個月由一名註冊承辦商檢查該等消防裝置或設備至少一次。			
Code 編碼 (1-35)	Type of FSI 裝置類型	Location(s) 位置	Comment on Condition 狀況評述	Completion Date 完成日期(DD/MM/YY)	Next Due Date 下次到期日(DD/MM/YY)
24	1 x 5Kg CO2 F.E.	G/F Platform	Conforms with FSD requirements	31-05-2024	30-05-2025
24	6 x 4Kg Dry Powder F.E.	G/F Platform	Conforms with FSD requirements	31-05-2024	30-05-2025

Part 2 第二部 Installation / Modification / Repair / Inspection work 裝置/改裝/修理/檢查工作					
Code 編碼 (1-35)	Type of FSI 裝置類型	Location(s) 位置	Nature of Work Carried out 完成之工作內容	Comment on Condition 狀況評述	Completion Date 完成日期(DD/MM/YY)
			NIL		

Part 3 第三部 Defects 損壞事項				
Code 編碼 (1-35)	Type of FSI 裝置類型	Location(s) 位置	Outstanding Defects 未修缺點	Comment on Defects 缺點評述
			NIL	

I/We hereby certify that the above installations/equipment have been tested and found to be in efficient working order in accordance with the Codes of Practice for Minimum Fire Service Installations and Equipment and Inspection, Testing and Maintenance of Installations and Equipment published from time to time by the Director of Fire Services. Defects are listed in Part 3.

本人藉此證明以上之消防裝置及設備經試驗, 證明性能良好, 符合消防處處長不時公佈的最低限度之消防裝置及設備守則與裝置及設備之檢查測試及保養守則的規格, 損壞事項列於第三部。

如證書涉及年檢事項, 應張貼於大廈或處所當眼處以供消防處人員查核
This certificate should be displayed at prominent location of the building or premises for FSD's inspection if any annual maintenance work is involved.

Authorized Signature : 
授權人簽署

Name : **Hui Chi Hang**
姓名

FSD/RC No. : **RC3/676**
消防處註冊號碼

Company Name : **East Power Engineering Ltd**
公司名稱
東力工程有限公司

Telephone : _____
聯絡電話

Date : **01-06-2024**
日期

For FSD use only:
 Inspected
 Key-in
 Verified

Appendix VI

The Accepted Environmental Mitigation Measures of the Previous Application No. A/NE-FTA/206



規 劃 署

沙田、大埔及北區規劃處
香港新界沙田上禾輦路一號
沙田政府合署
十三樓 1301-1314 室



Planning Department

Sha Tin, Tai Po & North District Planning Office
Rooms 1301-1314, 13/F,
Shatin Government Offices,
1 Sheung Wo Che Road, Sha Tin,
N.T., Hong Kong

來函檔號 Your Reference:
本署檔號 Our Reference: () in TPB/A/NE-FTA/206
電話號碼 Tel. No.: 2158 6220
傳真機號碼 Fax No.: 2691 2806

九龍新蒲崗大有街 16 號
昌泰工廠大廈 8 樓
恆匯(香港)工程有限公司
(經辦人：黃新和)

郵遞函件

先生 / 女士：

在劃為「農業」地帶
的新界沙嶺文錦渡路丈量約份第 89 約地段
第 581 號(部分)、第 582 號(部分)、
第 583 號及第 584 號餘段和毗鄰政府土地
關設擬議臨時鄉郊工場(木園及鋸木廠)(為期 3 年)

 (履行規劃申請編號：A/NE-FTA/206 的規劃許可附帶條件 (e) 項)

本署於二零二三年五月四日收到你有關履行規劃許可附帶條件 (e) 項
就落實環境緩解建議所提交的資料，現回覆如下：

環境保護署署長 (經辦人：凌詠聰先生；電話：2835 1117) 審視你提
交的文件後，認為你所提交的資料可以接納。因此，你已經履行規劃許可附
帶條件 (e) 項。

如有任何有關落實環境緩解建議的疑問，請聯絡環境保護署凌詠聰先
生 (電話：2835 1117)。如有其他就規劃上的疑問，請與本署莊琬婷女士 (電
話：2158 6241) 聯絡。

規劃署署長

(陳巧賢  代行)

二零二三年五月二十五日

Appendix C

The Proposed Development

1.1 The Application Site

The Application is located at Man Kam To Road, Sha Ling, N.T. The Application Site is flat and currently vacant.

1.2 Development Proposal

1.2.1 The Applicant proposes to convert the Application Site from a vacant site into a Temporary Rural Workshop (Timber Yard/Sawmill) for a period of 3 years. The Application Site has an area of about **4,164 sq.m (Adjoining of Government Land)**. The ingress/egress point will be at the northern side connecting Man Kam To Road with 8m in width. A main structure, with a total covered land area of about **2,670 sq.m.** (about **64.12%** of the total site area) and with height of not more than 12 m, is proposed as a rural workshop for storage of timber/plywood and other construction materials, cutting of timber, loading/unloading and parking purposes. 1 loading/unloading spaces (3.5m x 16m) for container vehicles or medium goods vehicles and 2 private car parking spaces (2.5m x 5m) for staff/visitors are proposed (see Layout Plan). The key parameters of the proposed development are summarized in Table 1.1:

Table 1.1 Key Development Parameters

Site Location	Lots 581(Part), 582(Part), 583 and 584RP and Adjoining of Government Land in D.D.89, Man Kam To Road, Sha Ling, N.T.
Uses	Temporary Rural Workshop (Timber Yard/Sawmill)
Site Area	4,164 sq.m (Adjoining of Government Land)
Covered Area G.F.A.	2,788 sq.m
Covered Area	2,729 sq.m.
Nos. of Block and Storey	3 Blocks with 1-2 Storeys

1.2.2 The operation hours of the Application Site are between 8:00am to 6:30pm from Mondays to Saturdays. There will be no operation on Sundays and public holidays.

2. Air Quality measures

- 2.1 Fugitive dust is the major impact that will be generated during construction and operation activities, such as stockpiling, transferring or handling of dusty materials and cutting of timber.
- 2.2 To avoid adverse dust impact on the air sensitive uses nearby, good practice

and dust control measures to be implement are as follows:

- Provision of not less than 2.5m high hoarding from ground level along site boundary during construction.
- The workshop activities, i.e. cutting of timber, and loading/unloading will only be conducted within the fully enclosed in Sawmill (Structure A).
- The exhaust of the dust collection system (Model: MF9022B) shall be located in South-West avoid affecting nearby domestic premises.
- Any stockpile of dusty materials including wood dust shall be either covered entirely by impervious sheeting, placed in an area sheltered on the top and the 3 sides in Structure B, or sprayed with water so as to maintain the entire surface wet.
- Where possible, dusty materials shall be sprayed with water immediately prior to any loading, unloading or transfer operation so as to maintain the dusty materials wet.

2.3 With the implementation of the recommended mitigation measures and good site practice, adverse impacts during construction phases are not anticipated.

2.4 No adverse air quality impact from workshop activities and vehicular emissions is anticipated with the implementation of the proposed mitigation measures during operation phase. Overall, no adverse air quality impacts are anticipated during construction and operation phases.

3. Noise measures

3.1 Various construction and operation activities will be the key noise sources generated at the Site. In particular, the noise generated during workshop activities i.e. cutting of timber and vehicle movement within the Site are the main noise sources.

3.2 Construction shall be carried out during non-restricted hours as far as practical. In addition, for the operation of the the workshop, the following measures and on-site practice are recommended in order to minimize the potential noise impact during the daytime:

- The contractor shall devise and execute working methods to minimize the noise

impacts on the surrounding sensitive uses, and provide experienced personnel with suitable training to ensure that those methods are implemented.

- Workshop operation including cutting of timber, loading and unloading etc.would be carried out inside the fully enclosed structure.
- Acoustic materials will be adopted in the Sawmill to minimize the noise impact. Operating hours would be restricted from 8:00am to 6:30pm and no operation on Sundays and public holidays.
- Openings including windows and doors of the fully enclosed structure would be closed during operation unless the openings are located without direct line of sight from nearby domestic structures.
- Individual noisy machinery should be equipped with noise enclosure.
(Brand / Model: Arterki Plank Mutiple Rip Saw (Model MJ-PMR-3012)
To minimize noise impact for adjacent domestic premises located 12m from site boundary:
A 2.5m high and 100mm thick solid boundary wall on North-east side (Item H for the layout plan) ; A 2.5m high and 0.5mm thick zinc metal sheet on North and North -west side (Item J for the layout plan) ; and the east, south and west of the application area are constructed of enclosed Structure of 0.5 mm thick zinc metal sheet .In additional adopt noise insulating fabric or acoustic foam (Surface Density 3-4kg /m² and 2.5m high) facing domestic structures to the east, and due to cost issues the applicant has saved these locations from being built with solid walls.

3.3 Overall, with the implementation of the noise mitigation measures recommended there will be no adverse noise impact during the construction and operation phases of the proposed development.

4. Water Quality measures

4.1 The major source of sewage/wastewater during operation phase would be sewage and grey water from toilet and washing basin. And muddy runoff from the Site may be generated during the construction phase, especially during the rainy season.

4.2 To avoid any potential impact from the proposed development to the surroundings, the Applicant will follow ProPECC PN 5/93 to prevent water pollution and install devices such

as gully grates and silt removal facilities to prevent rubbish /silt from entering the nearby stream during/after construction.

4.3 In addition, the following measures and on-site practice are recommended in order to minimize the potential impact:

- To avoid muddy surface runoff from entering the watercourse, earthbunds or sand bag barriers shall be provided along the watercourse during construction.
- On-site sewage handling facility will follow **Appendix D** of ProPECC PN 5/93 standard, the minimum clearance distance STS and Building is not less 3m to install a septic tank and soakaway system to prevent water pollution.

4.4 During the construction, water quality impacts can be properly controlled with the implementation of good site practice. Portable toilets will be provided for constructions workers on-site. Provided these measures are implemented, it is unlikely that any adverse water quality impacts from the Site will be generated during the construction phase.

4.5 During operation, no adverse water quality impact is anticipated from the wastewater/sewage from employee. Overall, therefore, no adverse water quality impacts are anticipated during construction or operational phases.

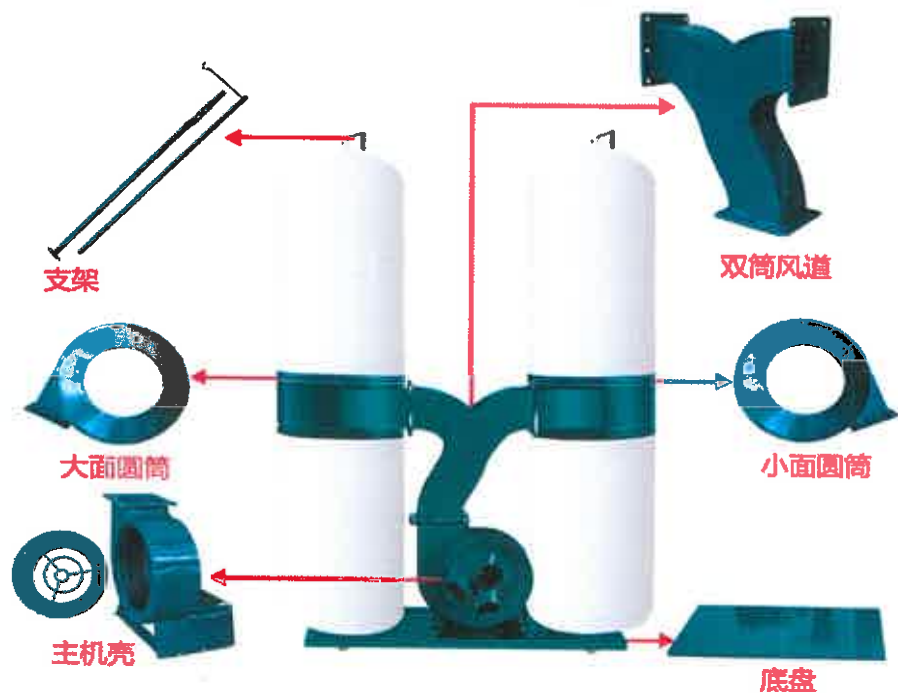
Environment Mitigation Measures Table for Approval Condition (k) (Ref.: TPB/A/NE-FTA/196)

2. Air Quality measures	3. Noise measures	4. Water Quality measures
<p>2.1 Fugitive dust is the major impact that will be generated during construction and operation activities, such as stockpiling, transferring or handling of dusty materials and cutting of timber.</p>	<p>3.1 Various construction and operation activities will be the key noise sources generated at the Site. In particular, the noise generated during workshop activities i.e. cutting of timber and vehicle movement within the Site are the main noise sources.</p>	<p>4.1 The major source of "sewage/wastewater during operation phase would be sewage and grey water from toilet and washing basin. And muddy runoff from the Site may be generated during the construction phase, especially during the rainy season.</p>
<p>2.2 To avoid adverse dust impact on the air sensitive uses nearby, good practice and dust control measures to be implement are as follows:</p> <p>~ Provision of not less than 2.5m high hoarding from ground level along site boundary during construction.</p> <p>~ The workshop activities, i.e. cutting of timber, and loading/unloading will only be conducted within the fully enclosed In Sawmill (Structure A) .</p> <p>~ The exhaust of the dust collection system (Model: MF9022B) shall be located facing West side of the site to avoid affecting nearby domestic premises.</p> <p>~ Any stockpile of dusty materials including wood dust shall be either covered entirely by impervious sheeting, placed in an area sheltered on the top and the 3 sides in Structure B, or sprayed with water so as to maintain the entire surface wet.</p> <p>~ Where possible, dusty materials shall be sprayed with water immediately prior to any loading, unloading or transfer operation so as to maintain the dusty materials wet.</p>	<p>3.2 Construction shall be carried out during non-restricted hours as far as practical. In addition, for the operation of the workshop ,the following measures and on-site practice are recommended in order to minimize the potential noise impact during the daytime:</p> <p>~ The contractor shall devise and execute working methods to minimize the noise impacts on the surrounding sensitive uses, and provide experienced personnel with suitable training to ensure that those methods are implemented.</p> <p>~ Workshop operation including cutting of timber, loading and unloading etc. would be carried out inside the fully enclosed in Sawmill (Structure A).</p> <p>~ Acoustic materials will be adopted in the Sawmill to minimize the noise impact.</p> <p>~ Operating hours would be restricted from 8:00am to 6:30pm and no operation on Sundays and public holidays.</p> <p>~ Openings including windows and doors of the fully enclosed structure would be closed during operation unless the openings are located without direct line of sight from nearby domestic structures.</p>	<p>4.2 To avoid any potential impact from the proposed development to the surroundings, the Applicant will follow ProPECC PN 5/93 to prevent water pollution and install devices such as gully grates and silt removal facilities to prevent rubbish /silt from entering the nearby stream during/after construction.</p> <p>4.3 In addition, the following measures and on-site practice are recommended in order to minimize the potential impact:</p> <p>~ To avoid muddy surface runoff from entering the watercourse, earth bunds or sand bag barriers shall be provided along the watercourse during construction.</p> <p>~ On-site sewage handling facility will follow ProPECC PN 5/93 to install a septic tank and soakaway system to prevent water pollution</p> <p>During the construction, water quality impacts can be properly controlled with the implementation of good site practice. Portable toilets will be provided for constructions workers on-site. Provided these measures are implemented, it is unlikely that any adverse water quality impacts from the Site will be generated during the construction phase.</p> <p>During operation, no adverse water quality impact is anticipated from the wastewater/sewage from employee. Overall, therefore, no adverse water quality impacts are anticipated during construction or operational phases.</p>
<p>2.3 With the implementation of the recommended mitigation measures and good site practice, adverse impacts during construction phases are not anticipated.</p>	<p>~ Noisy machinery should be equipped with noise enclosure .</p> <ul style="list-style-type: none"> • Arterki Plank Mutiple Rip Saw (Model MJ-PMR-3012) 	
<p>2.4 No adverse air quality impact from workshop activities and vehicular emissions is anticipated with the implementation of the proposed mitigation measures during operation phase. Overall, no adverse air quality impacts are anticipated during construction and operation phases.</p>	<p>~ To minimize on-site traffic noise impact on adjacent domestic premises located only 12m from site boundary:</p> <p>A 2.5m high and 100mm thick solid boundary wall on North-east side (Item H for the layout plan) ; A 2.5m high metal sheet on North and North -west side (Item J for the layout plan) ; and the east, south and west of the application area are constructed of enclosed Structure of 0.5 mm thick zinc metal sheet (In additional adopt noise insulating fabric or acoustic foam (Surface density 3-4kg/m² and 2.5m high) facing domestic structures to the east),.</p>	
	<p>3.3 Overall, with the implementation of the noise mitigation measures recommended there will be no adverse noise impact during the construction and operation phases of the proposed development.</p>	



产品部位解析

PRODUCT POSITION ANALYSIS



产品参数展示

PRODUCT PARAMETER DISPLAY

产品型号	结合型号	风量 (m ³ /h)	风速 (m/s)	进风口尺寸 (mm)	集尘袋尺寸 (mm)	重量 (kg)
MF9015	节能1.5KW	4000	35—40	100*3	470*4	50
MF9022A	单桶2.2KW	2300	20—25	100*3	470*2	40
MF9022B	双桶2.2KW	2300	20—25	100*3	470*4	45
MF9030A	单桶3KW	3100	35—40	100*3	470*2	45
MF9030B	双桶3KW	3100	35—40	100*3	470*4	50
MF9040	双桶4KW	4400	40—45	100*4	630*4	75
MF9055	双桶5.5KW	6000	40—45	100*6	630*4	90
MF9075	双桶7.5KW	7200	40—45	100*6	630*4	90
MF9075D	四桶7.5KW	7200	40—45	100*6	630*8	120
免安装A款	双桶3KW	5600	30—40	100*3	470*4	50
免安装B款	双桶3KW	6000	30—40	100*3	470*4	50

*数据参数仅作于参考，一切请以收到的实物为准。

*所有电机均为纯铜芯2级电机，转速为2800转。

*如有其它疑问，可详询客服。

产品细节

精工品质 知您所需 铸就非凡

Multi Blade Rip Saw Machine Mj-3012 Excellent for Rubber Wood



Arterki Planks/Square Timber Multi Rip Saw Machine MJ-PMR-3012 Wood Working Machine For Processing Planks Square Timber thickness 30-115mm

1. Application:

Suitable for sawmills for processing solid wood, cutting wood and woodworking industry, such as board making, packing case, boarded, laminated wood, pallet and floor, as well as building trades. These machines intended for processing of small and medium diameter softwood and hardwood saw barked stems into dimensional lumber or custom boards.

2. Features

- & Two saw spindle bearing structure, through the feed rollers and pressure roller composed of feeding;
- & Pneumatic compression and electric control system, complete the multi-rip sawing wood to achieve continuous production process;
- & Fast loading, easy operation and high timber utilization;
- & Energy-saving and low waste due to the multi-blade design;
- & Moreover, the spindle cooling, patent of axis core water spray technology external help save energy and improve cooling effects.

Specification / Model:

Model	MJ-PMR-3012
Minimum working thickness	30mm
Maximum working thickness	115mm
Minimum working width	300mm
Minimum working length	800mm
Feeding power	1.8kw
Up spindle power	22kw
Bottom spindle power	22kw
Total power	45.8kw
Feeding speed	0-14.5m/min
Overall dimension	3050*1630*1830(mm)
Saw blade specification	211*3.0*50*24T
Weight	1600kg