

寄件者： Ricky Leung
收件者： [tbbpd/PLAND](#)
副本：
主旨： S.16 Planning Application No. A/YL-KTN/1001 - Submission of Responses to DSD comments
日期： 2024年08月26日 10:43:43
附件： [Reply to DSD 2nd comment for Lot 972 SC \(A_YL-KTN_1001\).pdf](#)

To Town Planning Board,

Enclosed please find our submission of Responses to DSD's Comments in relation to the S.16 Planning Application No. A/YL-KTN/1001.

Thanks & regards,

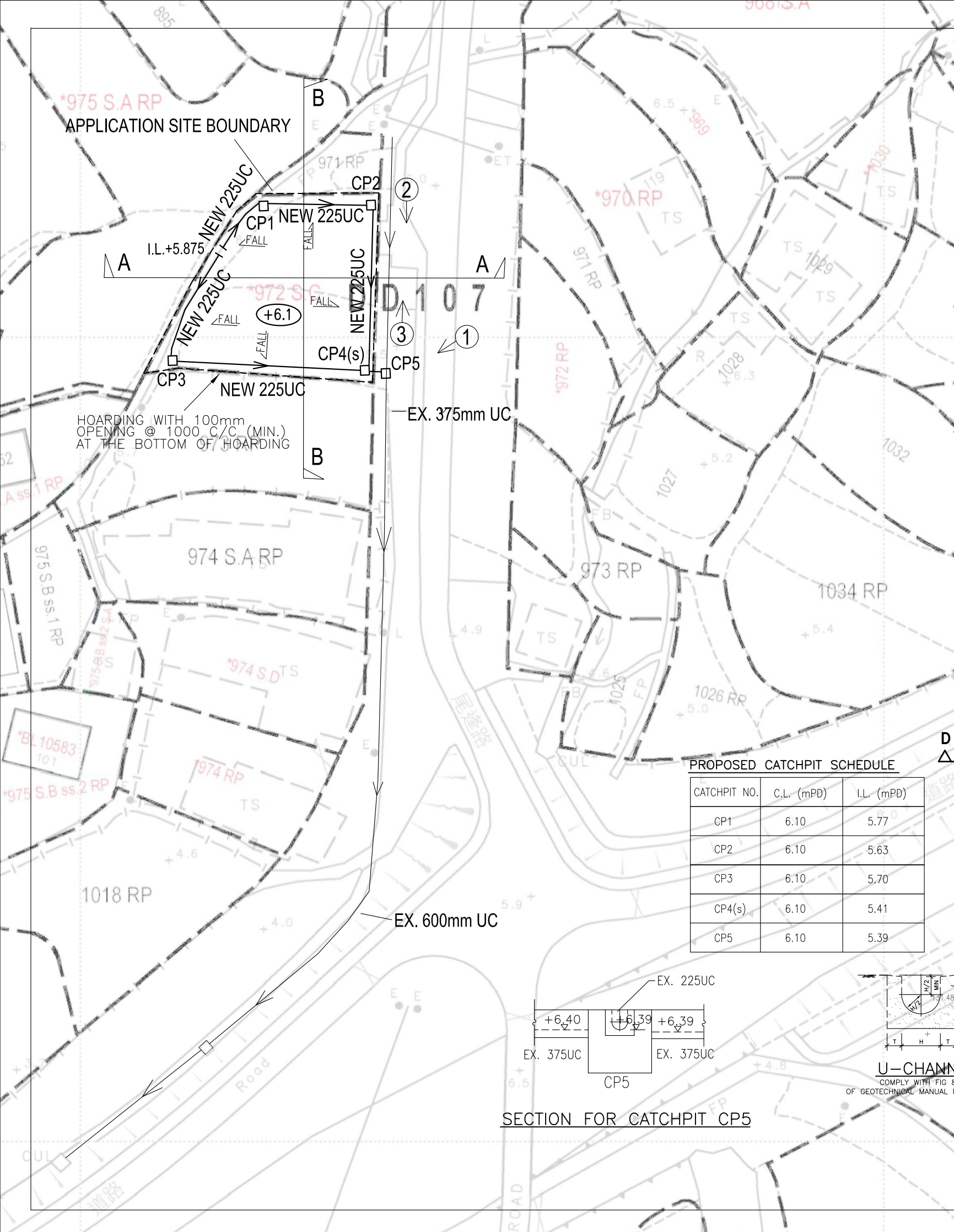
Ricky Leung

Ratio Architecture & Construction Limited

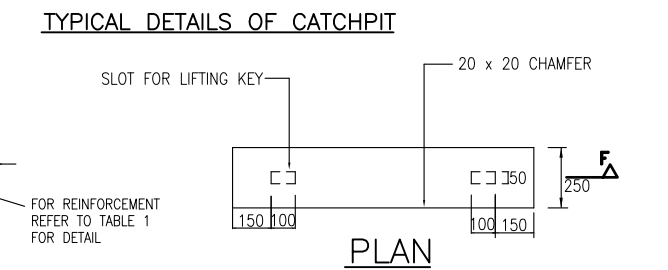
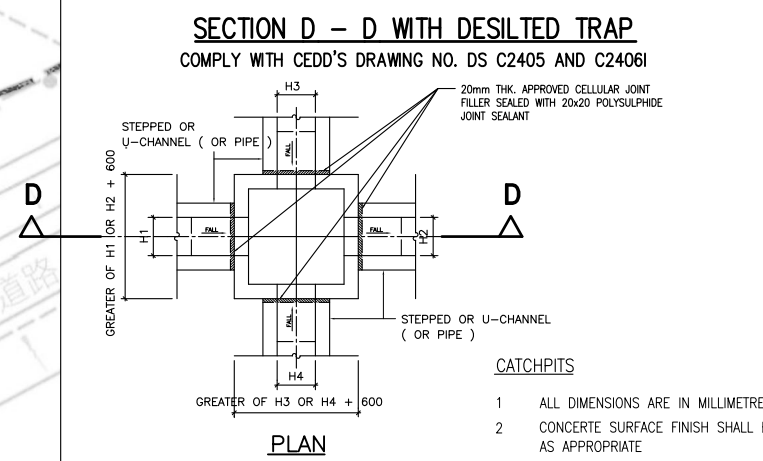
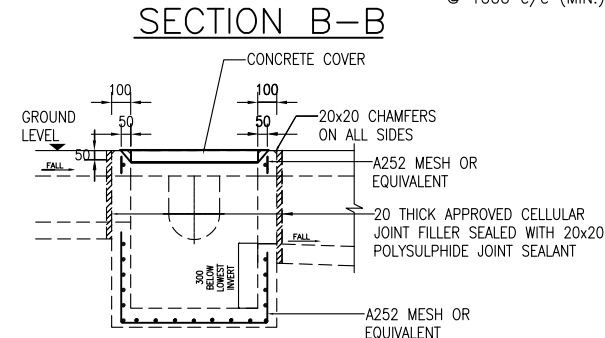
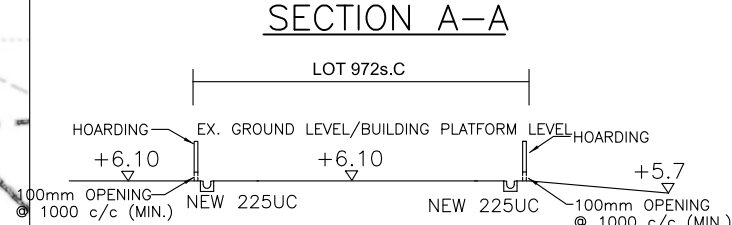
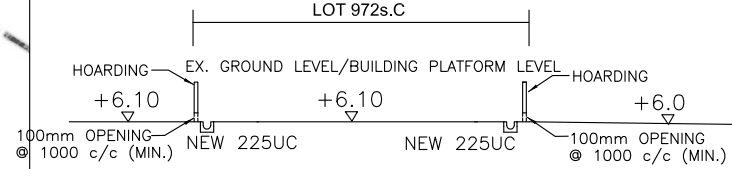
Reply to DSD's comment on submitted Drainage Proposal Report
Lot 972 S.C in DD 107 (A_YL-KTN_1001)

Response to DSD comment dated 30 July 2024

1. Cross section B-B in north-south direction is added.
2. 100mm opening @1000 c/c (min.) along the hoarding is proposed in the revised drainage plan, cross-section A-A and cross-section B-B.



- LEGEND:**
- APPLICATION SITE BOUNDARY
 - NEW 225UC PROPOSED 225mm U-CHANNEL WITH GRATING AT FALL 1: 200 (MIN)
 - CP5(s) □ PROPOSED COVERED DESILTED CATCHPIT NO. CP5
 - CP1 □ PROPOSED COVERED CATCHPIT NO. CP1
 - (+6.10) PROPOSED SITE FORMATION LEVEL
 - ① → PHOTO TAKING DIRECTION



NOTES:

- H = NOMINAL CHANNEL SIZE.

N.T.S.
GRADE 250 CONCRETE WITH ONE LAYER OF A 252 MESH REINFORCEMENT PLACED CENTRALLY F2 AND U2 FINISH

GENERAL NOTE

- THE PROPOSED DRAINAGE WORK, WHETHER WITHIN OR OUTSIDE THE LOT BOUNDARY, SHOULD BE CONSTRUCTED AND MAINTAINED BY THE LOT OWNER AT HIS OWN EXPENSE. FOR WORKS TO BE UNDERTAKEN OUTSIDE THE LOT BOUNDARY, PRIOR CONSENT AND AGREEMENT FROM DLO AND/OR RELEVANT PRIVATE LOT OWNER SHOULD BE SOUGHT.

CONCRETE STRENGTH AND STEEL REINFORCEMENT SPECIFICATION FOR DRAINAGE DETAILS

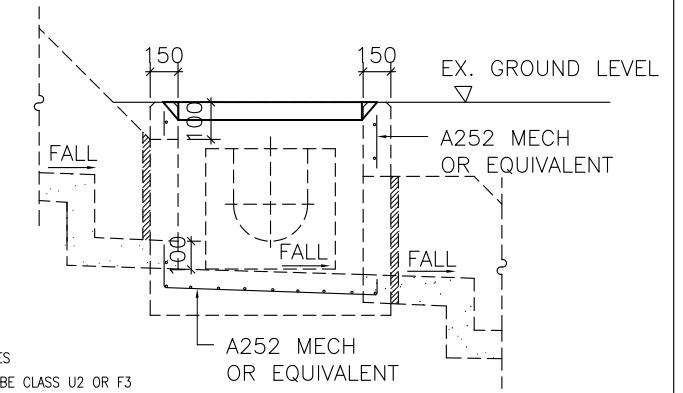
- CONCRETE GRADE FOR CATCHPITS AND U-CHANNEL SHALL BE 30D DESIGN IN COMPLIANCE WITH CS1 : 2010 FOR BLINDING LAYER SHALL BE 15D, DESIGN COMPLY WITH CS1-2010.
- ALL MAIN BARS TO BE HOT ROLLED HIGH YIELD STEEL DEFORMED BAR COMPLM WITH CS2 : 2012
Y - HIGH YIELD BAR 500 MPa
M - MILD STEEL BAR 250 MPa
- CONCRETE COVER TO MAIN REINFORCEMENT TO BE 50mm.
- LAP LENGTH FOR ALL BARS TO BE 46x DIAMETER OF LARGER BAR TO BE LAPPED.
- REACTIVE ALKALI CONTENT EXPRESSED IN SODIUM OXIDE PER CUBIC METER OF CONCRETE SHOULD NOT EXCEED 3KG AS PER PNAP APP-74.

HALF ROUND, U, AND STEPPED - CHANNELS

- ALL DIMENSIONS ARE IN MILLIMETERS
- CONCRETE SURFACE FINISHING SHALL BE CLASS U2 OR F2 AS APPROPRIATE
- FOR HALF ROUND AND U - CHANNEL, SPACING OF EXPANSION JOINT IN CHANNELS, BERMS AND APRON TO BE 10m MAXIMUM. FOR STEPPED CHANNELS, EXPANSION JOINTS TO BE PROVIDED AT A MAXIMUM SPACING OF 10m.
- DIMENSIONS FOR HALF ROUND AND U-CHANNELS SEE TABLE 1.
- THE COVER FOR U-CHANNELS AND CATCHPIT SHALL COMPLY WITH CEDD'S STANDARD DRAWINGS NO. C2405 TO C2407 AND C2412.
- ALL PROPOSED U-CHANNELS SHALL BE COVERED WITH GRATING

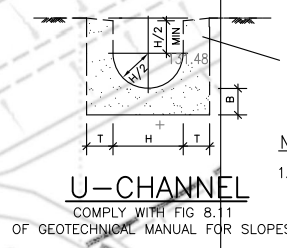
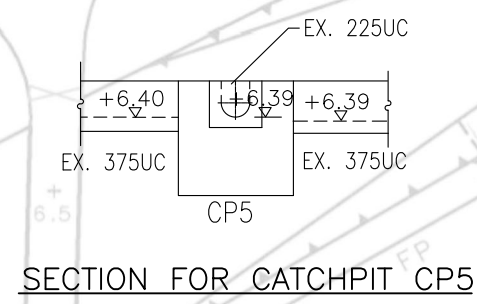
TABLE 1 : DIMENSION OF U-CHANNEL AND HALF-ROUND CHANNEL

NORMAL SIZE H	T	B	REINFORCING
<300	100	100	NIL
375 - 675	150	150	NIL
750 - 900	175	175	A252 MESH PLACED CENTRALLY



PROPOSED CATCHPIT SCHEDULE

CATCHPIT NO.	C.L. (mPD)	I.L. (mPD)
CP1	6.10	5.77
CP2	6.10	5.63
CP3	6.10	5.70
CP4(s)	6.10	5.41
CP5	6.10	5.39



SECTION D-D

N.T.S.

NO.	DESCRIPTION	RC	AY	RY	DATE
A	DSD's COMMENT	RC	AY	RY	JULY 24
	DLO SUBMIT	RC	AY	RY	JULY 24
REV	DESCRIPTION	CHECKED	APPROVED	DWN	DATE

PROJECT TITLE:
STORMWATER DRAINAGE PROPOSAL
LOT 972s.c IN D.D. 107

DRAWING TITLE:
DRAINAGE PROPOSAL PLAN
AND TYPICAL DETAILS

SCALE :	N.T.S.	CAD FILE:	CAD_REF
DRAWN	RY	DRAWING NO.	SDP001A
S.D	RY		
DESIGNED	RC		
CHECKED	AY	B.D. REF. NO.:	