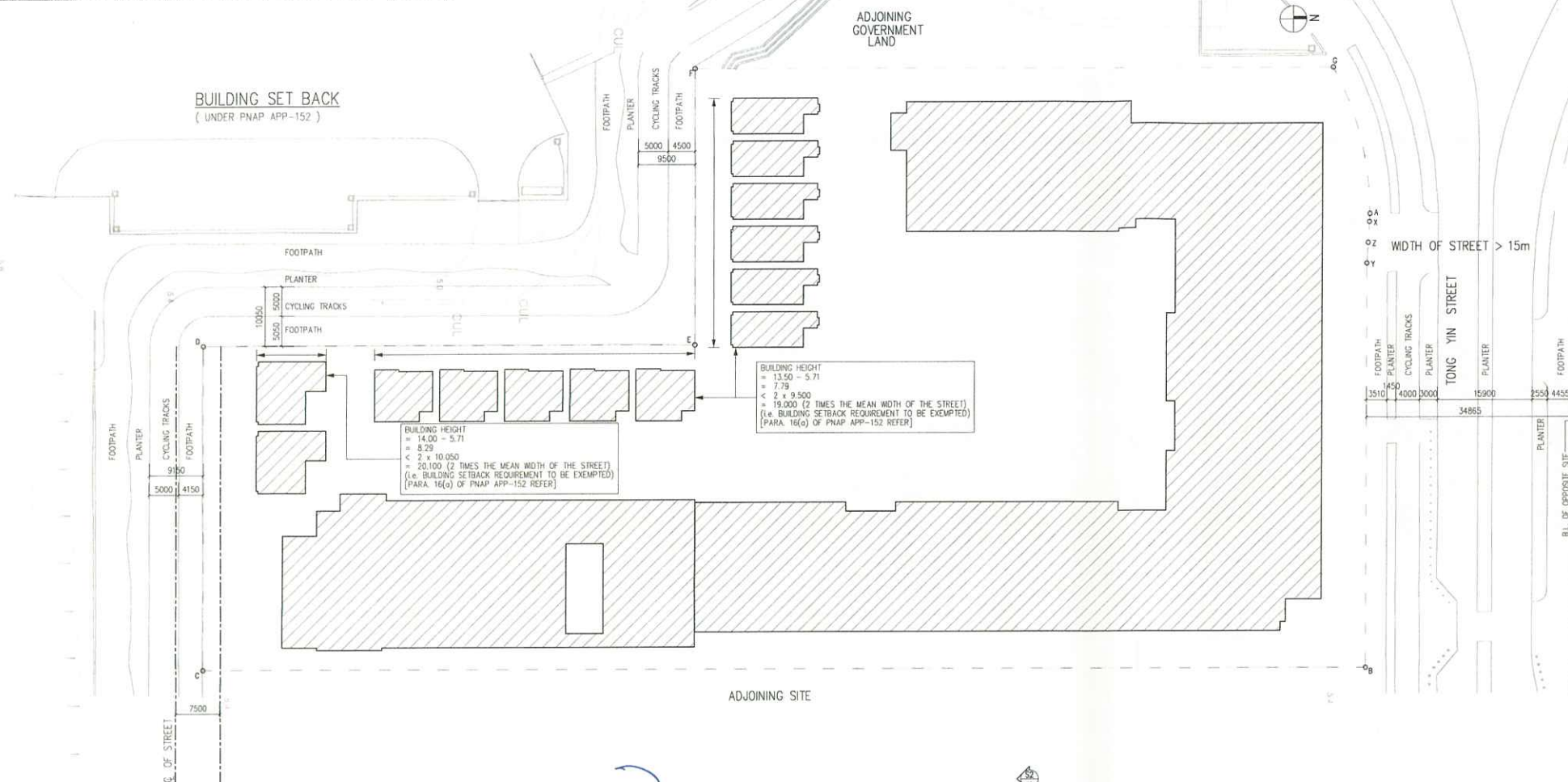
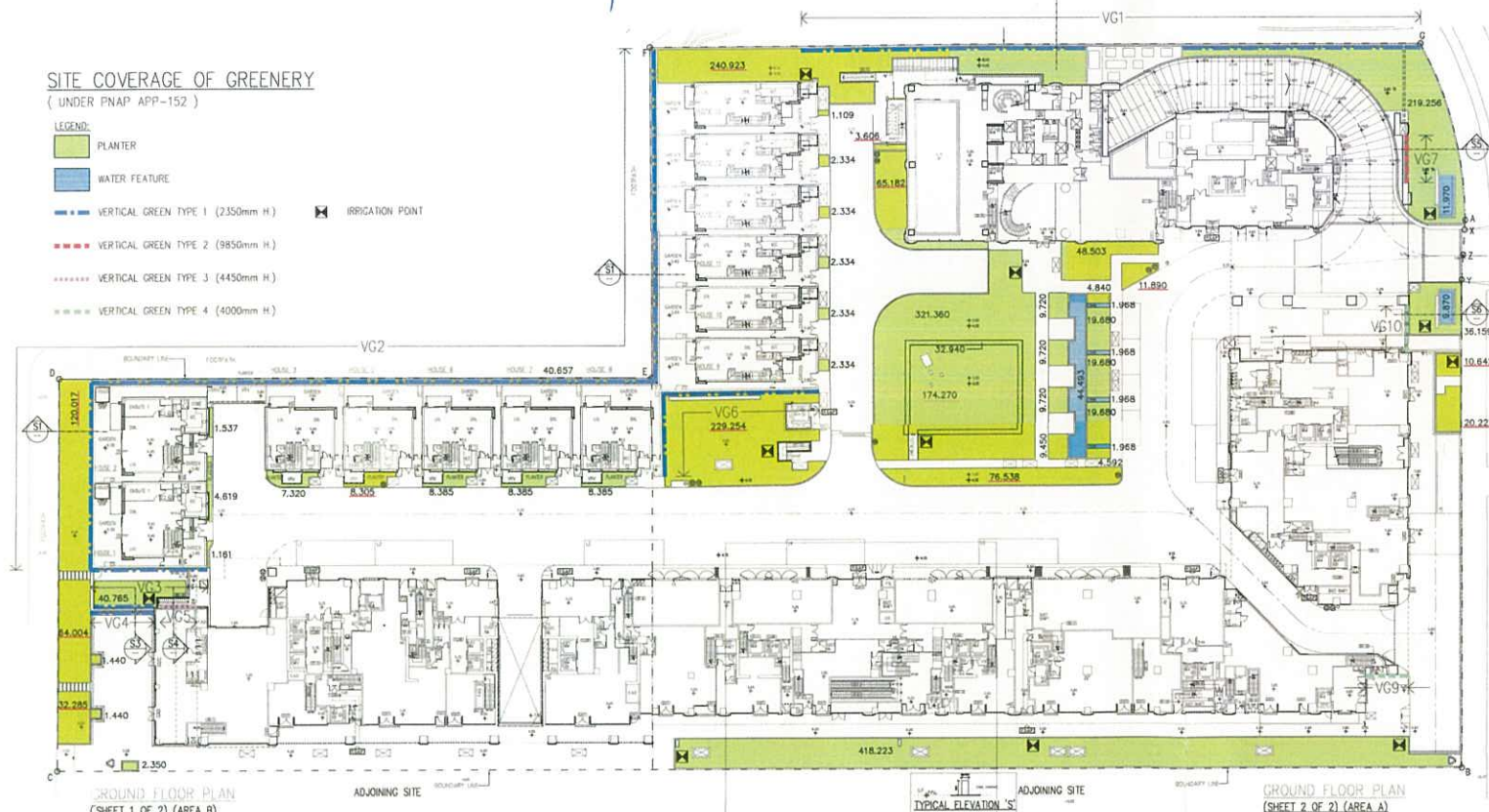


SUSTAINABLE BUILDING DESIGN GUIDELINES (SBDG)



SITE COVERAGE OF GREENERY (UNDER PNAP APP-152)

- LEGEND:
- PLANTER
 - WATER FEATURE
 - VERTICAL GREEN TYPE 1 (2350mm H)
 - VERTICAL GREEN TYPE 2 (9850mm H)
 - VERTICAL GREEN TYPE 3 (4450mm H)
 - VERTICAL GREEN TYPE 4 (4000mm H)
 - IRRIGATION POINT



GROUND FLOOR PLAN (SHEET 1 OF 2) (AREA B)

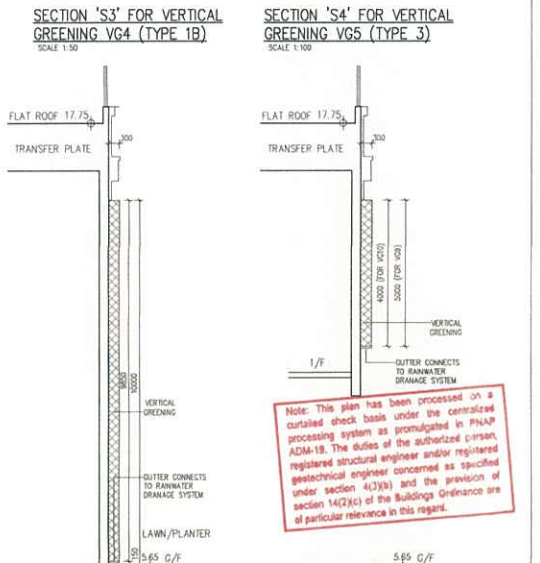
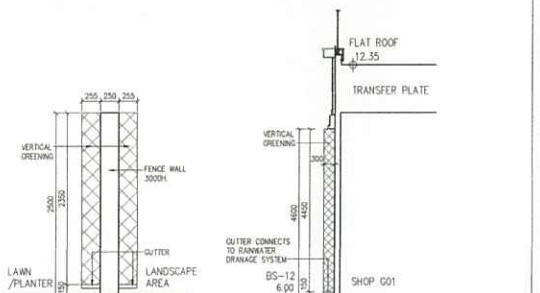
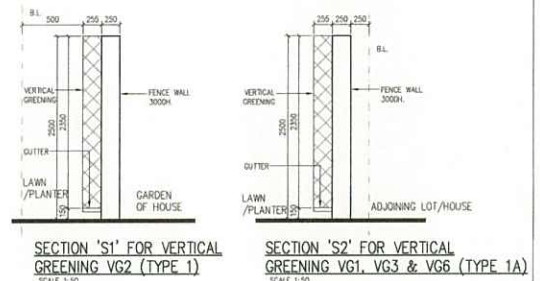
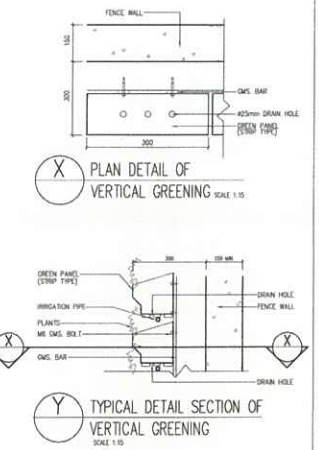
GROUND FLOOR PLAN (SHEET 2 OF 2) (AREA A)

SITE COVERAGE OF GREENERY

- PLANTER = 2379.889 m² (1)
- VERTICAL GREENING
- VERTICAL GREEN TYPE 1, 1A AND 1B: TOTAL LENGTH = 290.366m, TOTAL AREA = 290.366 x 2.350 = 682.360 m²
 - VERTICAL GREEN TYPE 2: TOTAL LENGTH = 5.235 m, TOTAL AREA = 5.235 x 9.850 = 51.415 m²
 - VERTICAL GREEN TYPE 3: TOTAL LENGTH = 4.850 m, TOTAL AREA = 4.850 x 4.450 = 21.583 m²
 - VERTICAL GREEN TYPE 4: TOTAL LENGTH = 6.650 (VG10) 5.925 (VG9), TOTAL AREA = 6.650 x 4.000 + 5.925 x 5.000 = 56.225 m², TOTAL AREA OF VERTICAL GREENING = 821.583 m² (2)
- WATER FEATURE = 74.205 m²
- TOTAL AREA FOR COMPUTING THE GREENERY = 74.205 x 50 % = 37.103 m² (3)
- TOTAL SITE COVERAGE OF GREENERY = (1) + (2) + (3) = 2379.889 + 821.583 + 37.103 = 3238.575 m²

- TOTAL SITE COVERAGE OF GREENERY REQUIRED = 20% OF SITE AREA = 15969 x 20% = 3193.800 m²
- ACTUAL SITE COVERAGE OF GREENERY PROVIDED = 3238.575 / 15969 x 100% = 20.282% > 20 % (i.e. COMPLIED)
- TOTAL SITE COVERAGE OF VERTICAL GREENING = (821.583 / 3193.800) x 100% = 25.724 %
- TOTAL SITE COVERAGE OF VERTICAL GREENING, WATER FEATURE = (821.583 + 37.103) / 3193.800 x 100% = 26.886 % < 30 % (i.e. COMPLIED)
- ACTUAL SITE COVERAGE OF GREENERY AT PEDESTRIAN ZONE = 3238.575 / 15969 x 100% = 20.282% > 10 % (i.e. COMPLIED)

NOTES FOR VERTICAL GREENING:
 1. AUTOMATIC IRRIGATION SYSTEM WILL BE PROVIDED
 2. MAINTENANCE WILL BE CARRIED OUT ON MOVABLE MAINTENANCE PLATFORM



B.D. REF : BD 2/9014/13
 F.S.D. REF : FP 8/30361 C235
 D.L.O. REF :

Rev	Description
-	1st submission
A	2nd submission
B	3rd submission
C	1st amendment
D	2nd amendment
E	3rd amendment
F	5th amendment
G	7th amendment
H	8th amendment

Rev	Drawn	Checked	Approved	Date

Check all measurements on site. Do not scale off drawings.
 The drawing is to be read in conjunction with the Specification and any discrepancies are to be immediately reported to the Architect.
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RONALD LU & PARTNERS

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Project Title
 PROPOSED RESIDENTIAL AND COMMERCIAL DEVELOPMENT AT 33 TONG YIN STREET, TSEUNG KWAN O, N.T.

Drawing Title
 CALCULATION 20 (S.B.D)

Drawn By	INM	04/11/16
Checked By	FYC	04/11/16
Approved By	KI	04/11/16

Project No. 12162NT Issue Date: NOV 2015
 Cad File No. U:\DRAWING\SUB\BD_11\A_CBP_56
 SCALE: 1 : 500

Drawing No. A/CBP/56

Authorised Person's Signature

Plan Approved
 LEUNG Chi-fung
 Senior Building Surveyor
 for BUILDING AUTHORITY
 - 5 DEC 2018

Authority's / Client's Approval
 Plan Approved
 LEUNG Chi-fung
 Senior Building Surveyor
 for BUILDING AUTHORITY
 - 5 DEC 2018

Note: This plan has been processed on a computerized check based under the centralized processing system as promulgated in PNAP APP-18. The duties of the authorized person, AD-18, The duties of the authorized person, registered structural engineer and/or registered geotechnical engineer concerned as specified under section 4(2)(b) and the provision of section 14(2)(a) of the Buildings Ordinance are of particular relevance in this regard.

Plan Approved
 LEUNG Chi-fung
 Senior Building Surveyor
 for BUILDING AUTHORITY
 - 5 DEC 2018

Buildings Department
 Amended Plan