

計劃於大嶼山石壁山火瞭望台
安裝綜合流動電話收發站

工程項目簡介

香港流動通訊有限公司

由測建行有限公司制定

二零零七年七月

基本資料

工程項目名稱

- 1 計劃於大嶼山石壁山火瞭望台安裝綜合流動電話收發站。

工程項目的目的及性質

- 2 本工程項目是由香港流動通訊有限公司流動電話網絡商進行，旨在為遠足人士及郊野公園的旅遊人士提供另一種的通訊方法和在危急的情況下確保旅遊人士可以使用通訊服務，因此需要於大嶼山石壁山火瞭望台安裝流動電話收發站。

工程項目倡議人名稱

- 3 香港流動通訊有限公司

工程項目的地點及規模

- 4 擬建的無線電收發站將在附件一的位置圖所顯示的大嶼山石壁山火瞭望台範圍內興建，地點共佔 36 平方米的郊野公園用地[9 米 (長度) x 4 米 (闊度) x 1.15 米(深度)] 並興建於山上(+204.15mPD)。工程將包括建做一個混凝土平台裝置六(6)個無線電話儀器與三支 11 米高的天線桿及其他設備包括電力供應及電話線。所有建築材料、天線桿、天線和設備基台將由直升機運送，而廢料亦會由直昇機直接運走。上述工程不會興建小徑。公共設施包括電力供應及電話線將會安裝在本流動電話收發站內。
- 5 地政總署還未發出短期租約信，但已初步同意在建議地點興建一個綜合流動電話收發站和發出草稿短期租約(STT No.CX1840)。估據短期租約信將於八月發出。
- 6 電訊覆蓋範圍及對環境的影響是選址的重要因素，建議地點被認為是提供覆蓋範圍的最佳地點。其他地點亦曾被考慮，但覺得不適合。

指定工程項目

- 7 是項工程是於附件一中所指的擬建工地上興建無線電收發站。根據環境影響評估條例附表 2 第 I 部 Q1 項，基於是項工程含有在郊野公司範圍內進行建築工程，故此是項工程乃指定工程項目，並不列入 Q1 項 (a) 至 (j) 的例外工程中。

聯絡人的姓名及電話號碼

- 8 工程之聯絡人爲香港流動通訊有限公司楊啟榮先生，聯絡電話 2888 3734，傳真號碼 2962 5144。

規劃大綱及工程項目的執行

- 9 是項工程項目是由香港流動通訊有限公司規劃及管理，目的在建議地點裝置電訊設備以提供網絡。
- 10 在取得離島區地政處批出短期租約及由環保署所發出的許可證和屋宇署的開工同意書後，工程項目主管，香港流動通訊有限公司，將會根據工程編制表展開及完成工程。結構圖則已在 2006 年 12 月 11 日遞交于屋宇署審批，並在 2007 年二月八日頭獲得批核。其它的政府部門如地區規劃處、水務處、漁農自然護理處、地政處和建築處均對上述報告書沒有異議。請參考屋宇署於 2007 年二月八日發出的批則信載位附件四。混凝土平台在批准圖則是 9 米 (長度) x 4.5 米 (闊度) x 1.15 米 (深度)，但在近期遞交于屋宇署審批的修正結構圖則混凝土平台是 9 米 (長度) x 4 米 (闊度) x 1.15 米 (深度)。修正結構圖則表載於附件三。

工程項目時間表

- 11 預期工程，包括安裝天線及電訊設備將預期於 2007 年九月尾動工，爲期二個半月，並預期於 2007 年 11 月尾完工。預計電話收發站將於 2007 年 12 月下旬投入服務。工程編制表載於附件二。

泥頭將會由直昇機直接及盡快運走。爲避免積水和山泥傾瀉，開坑的地方將會完全用英泥沙覆蓋及用帆布蓋上。

對環境可能造成的影響 建築期間

- 12 有關建築期間直至完工之環境及視覺影響，請參閱第 21 項。
- 13 有關建築期間直至完工之所產生的噪音將會減至最少，詳情請參閱第 22 項。
- 14 有關建築期間直至完工之廢料管理影響，包括建築及多餘物料將會減至最少，詳情請參閱第 23 項。
- 15 有關建築期間所產生的沙塵將會減至最少，詳情請參閱第 24 項。
- 16 由於挖掘深度不足 1150 毫米及不需岩石爆破，此項目並不涉及大形挖泥工程或泥土運輸。

- 17 是項工程並不需要晚間工作。
- 18 預料建築期間直至完工，將不會對生態或環境造成任何影響。

運作期間

- 19 該流動電話收發站竣工後將不會對周圍環境造成嚴重影響。電訊設備詳圖及有關相片載於附件三。

周圍環境的主要元素

- 20 周圍環境的主要元素如下：

背景

設備基台位於山上。基台給雜草圍繞。位於北方是一座山火瞭望台。而南方是一座警察設備基台。位於東方是斜坡。位於西方是小徑。

目前該處並無已落成或籌劃中的噪音監測站。另外，該處亦無輻射監測站，空氣監測站，噪音監測站，生態監測站及古蹟監測站。因此，是項工程並不會影郊野公園的現狀。

擬建工地被一般在香港常見的雜草包圍。工地範圍內沒有樹木，故此項工程並不需要砍伐樹木。

將採取的環保措施

- 21 電訊設備之位置及設計會附合郊野公園及海岸公園管理局之意見。為了減低周圍環境造成視覺及景觀影響，天線及電訊設備將髹上油漆以配合周圍環境。
- 22 擬建工程只會使用輕巧工具，大形工具不會使用。加上噪音監測站離開工地多於 600 米，所以工程項目將不會產生顯著的噪音影響。工程亦只會於日間(上午九時至下午七時)進行。由於星期六、日及公眾假期時，郊野公園的遊人會較多，因此，於上述日子將會暫停有關的建築工程。
- 23 工程所產生的建築廢料將會由直升機盡快運走。
- 24 擬建工地將會保持濕潤以防止於工程中產生塵埃。

周圍環境的主要元素

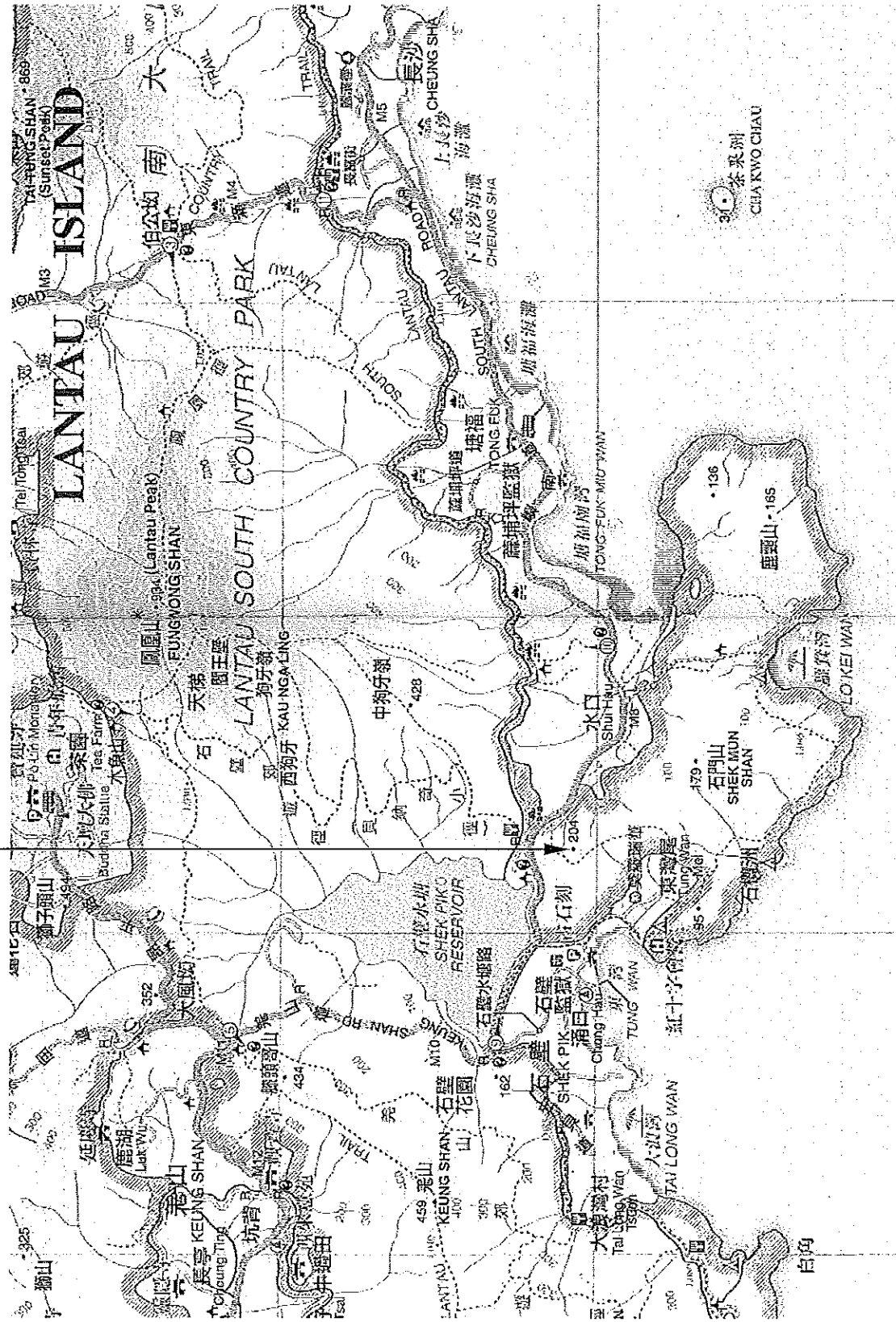
- 25 是項工程中將會導入” Standard Pollution Mitigation Measures”。流動電話收發站之運作無須任何工作人員，因此將不會產生噪音或對空氣或水質造成影響。
- 26 流動電話收發站之運作將會遵守電訊管理局所發出之 ”Code of Practice for the Protection of Workers and Members of Public Against Non-Ionizing Radiation Hazards from Radio Transmitting Equipment”。擬建工地遠離郊野公園遊人活動範圍。另外，收發站的訊息所發放儀器位於遊人頭頂水平上最少十一米以上。因此，收發站所發放的幅射將不會對公眾造成影響。
- 27 如有需要，香港流動通訊有限公司將會派人每年清潔流動電話收發站及重新上油。除非當收發站發生問題或需要緊急維修，將會在第一年派人每三個月一次及往後每年一次進行定期檢查。如此低密度的維修將不會對環境造成明顯的影響。

附件

- | | |
|------|---------------------------|
| 附件 一 | 工地位置圖 |
| 附件 二 | 工程編制表 |
| 附件 三 | 修正結構圖則及有關相片 |
| 附件 四 | 屋宇署於 2007 年 2 月 8 日發出的批則信 |

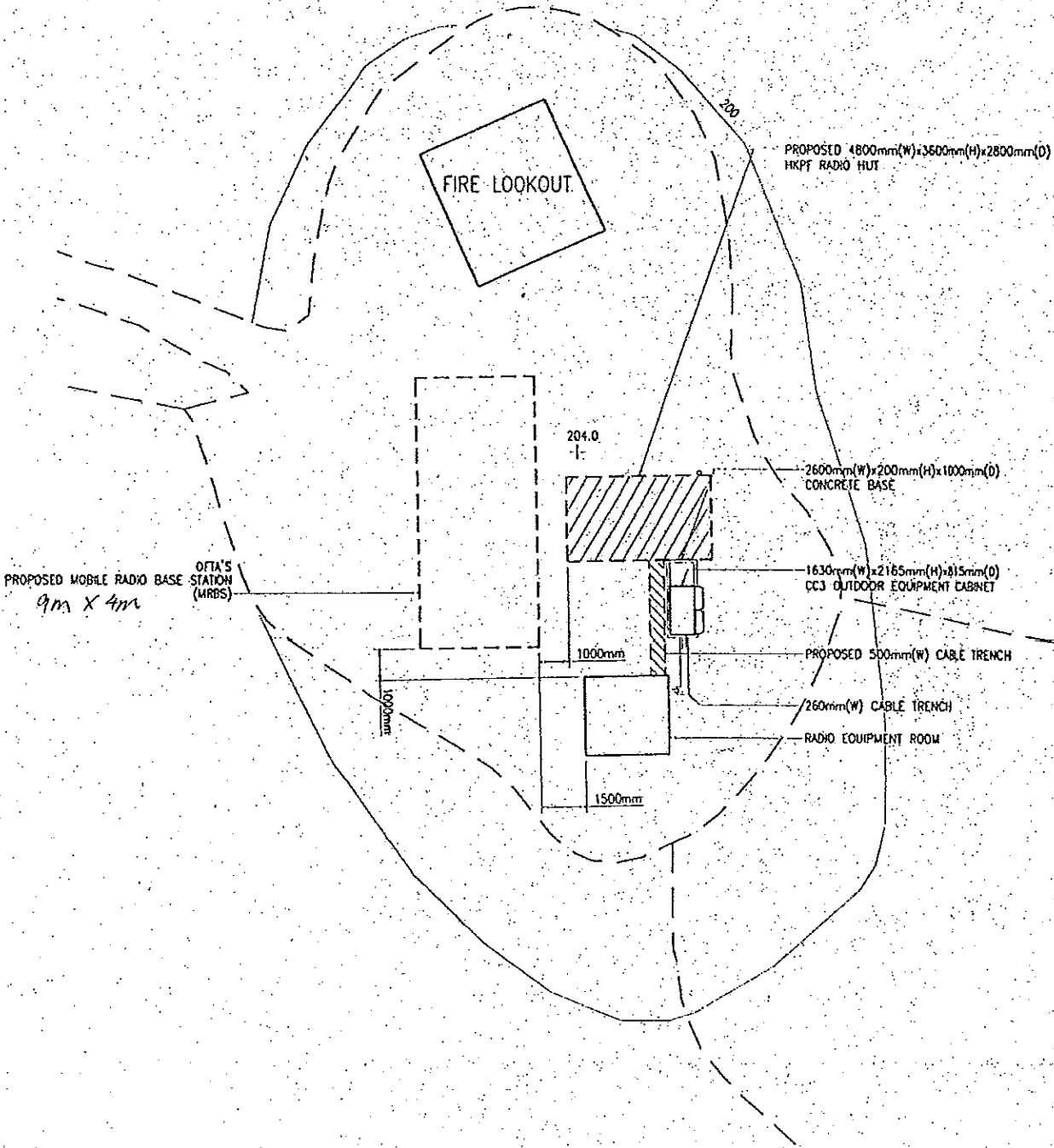
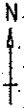
附件 一
土地位置圖

Proposed Integrated Mobile Base Station Site Location



Site Location Map
(Shek Pik Fire Lookout, Lantau Island)

ANNEX 3



TITLE: SITE LOCATION PLAN OF SAKK PIK FIRE LOOKOUT

SCALE: 1:200

OR A4 SHEET WITH DRAWING BOX
 SIZE = 270mm x 190mm

DRAWING. NO.:

ISSUE: 3

DATE: 2007.03.05

DRAWN BY TO2

UNIT: m

SCALE RULE:

附件二
工程編制表

Proposed Installation of Integrated Mobile Phone Base Station at Shek Pik Fire Lookout, Lantau Island, N.T.

ID	Task Name	Duration	Start	Finish	2007	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	Submission for approval by Buildings Department (BD)	60 days	Mon 12/11/06	Sat 2/17/07														
2	Apply for permission to District Lands Office (DLO)	60 days	Mon 12/11/06	Sat 2/17/07														
3	Apply for consent and submission of SSP	30 days	Wed 6/6/07	Thu 7/5/07														
4	Permission to Apply for Direct EP	45 days	Wed 7/11/07	Fri 8/24/07														
5	Apply for EP	30 days	Sat 8/25/07	Sun 9/23/07														
6	Notification of commencement of work	7 days	Mon 9/24/07	Sun 9/30/07														
7	Mobilization	7 days	Mon 10/1/07	Mon 10/8/07														
8	Carry out excavation work	21 days	Tue 10/9/07	Thu 11/1/07														
9	Construction of footing	14 days	Fri 11/2/07	Sat 11/17/07														
10	Equipment and Antenna Installation	7 days	Mon 11/19/07	Mon 11/26/07														
11	Testing and Commission	5 days	Tue 11/27/07	Sat 12/1/07														

Task	Milestone	External Tasks
Split	Summary	External Milestone
Progress	Project Summary	Deadline

Project: works schedule_1
 Date: Tue 7/10/07

附件 三

修正結構圖則及有關相片

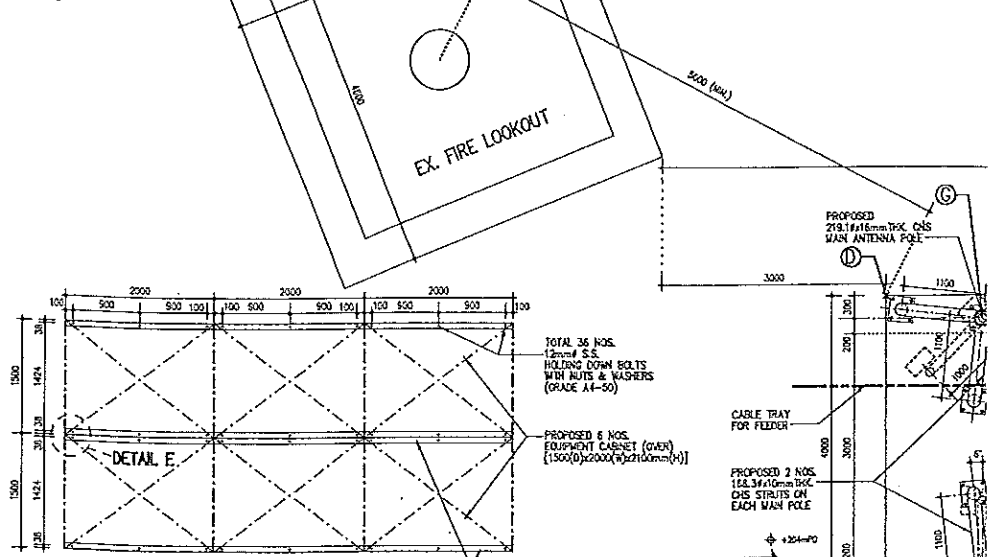
GENERAL NOTES :

STRUCTURAL WORKS

- All design loadings should conform to the requirement as specified in Hong Kong Building (Construction) Regulations 1990 and Code of Practice on Wind Effects Hong Kong 2004. Design wind Pressure = 3.25kPa (Under 220m).
- All structural steel shall be Grade 430 for hollow section, others shall be Grade 414. All reinforced concrete work shall comply with the Hong Kong Building (Construction) 1988.
- All structural steel shall comply with the appropriate provisions of B.S. 4360.
- The structural steel shall be hot-dip galvanized to B.S. 722.
- The fabrication, erection and welding of structural steel shall conform to the Hong Kong Building (Construction) Regulations 1990 and Code of Practice for Structural Use of Steel 1987.
- All welding shall conform to B.S. 639 and B.S. 5135. All welding shall thereafter be applied with two coats of zinc rich epoxy primer.
- All welding shall be carried out by qualified welders having satisfactorily completed the appropriate welding tests specified in B.S. 4871 prior to the commencement of structural steelwork.
- Except where otherwise stated in the drawings, 8mm continuous flat welds shall be used.
- All weld shall be tested in accordance with B.S.3923.
- Details of origin and chemical composition of the structural steel to be used shall be submitted to the Engineer prior to the commencement of fabrication work.
- "PLT" anchor bolts shall be used for fixing of structural steel members to existing structural walls. Size and length are specified in drawings. Installation of H90 anchor bolt shall comply with the manufacturer's manual.
- Existing finishes shall be removed to expose sound concrete prior to the installation of additional steel members.
- Those disturbed finishes are required to be sawn out and made good to match the existing.
- Dimensions related to existing structure to be verified on site.
- Location of reinforcement bar inside the structure is determined by using cover meter prior to casting process to form openings of not more than 100mm diameter. No reinforcement bar is to be cut during the casting process. Opening shall be spaced of least 300mm apart c/c or as the designer (whichever is greater).
- Contractor shall carry out pull-out tests of anchor bolts and verify the true thickness and protected steel for the supporting element prior to any installation, to ensure that the wall thickness is found to be less than specified, or the material used for construction deviated from consented in the design, the design has to be checked and/or modified before the actual work can proceed.
- All bolts and nuts shall comply with the appropriate provisions of B.S. EN ISO 3506-1:1988 & 3506-2:1988
- All stainless steel bolts and nuts shall be grade A2-50 and complies with BS 6105.
- All non-ferrous girth shall be complied with SAA NP20 part 3.
- All dimensions are measured in millimetres.
- Structural concrete to be grade 300/20 to CSI. Binding concrete to be grade 150/20.
- All steel reinforcement for R.C. structure to be high yield steel bar to CS2 + 1995 with high yield strength $f_y = 460$ MPa.
- Concrete cover for R.C. structure to be 50mm THK.
- Footing foundation material to be well compacted soil fill with allowable bearing capacity 50 kPa.
- For R.C. structure the reactive A_{cl} of concrete expressed as the equivalent oxide ash per cubic metre of concrete should not exceed 3.0 kg.
- Site formation submission to be submitted under separate submission to investigate effect of natural slope on proposed work of site versus.
- The G Report shall submit to BO prior to consent application.

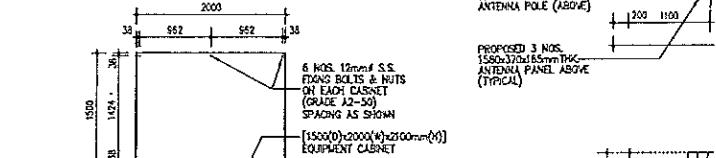
NOTES FOR AGRICULTURE, FISHERIES & CONSERVATION

- All antenna poles should be painted in Pantone 482U, BS1062S or similar suitable colour up completion of the project to match with the surrounding environment.
- All temporarily disturbed area should be reinstated back to their original state with hydroseeding of grasses and for re-vegetation planting.



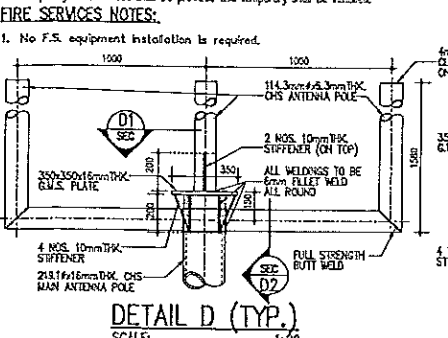
MOUNTING LAYOUT OF EQUIPMENT CABINET ON STEEL CHANNEL FRAMES

SCALE: 1:50



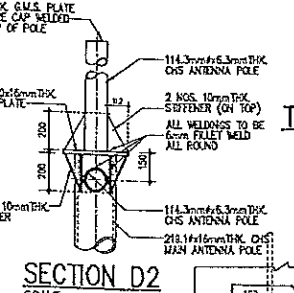
TYPICAL LAYOUT OF FIXING BOLTS & NUTS FOR CABINET

SCALE: 1:50



DETAIL D (TYP.)

SCALE: 1:20

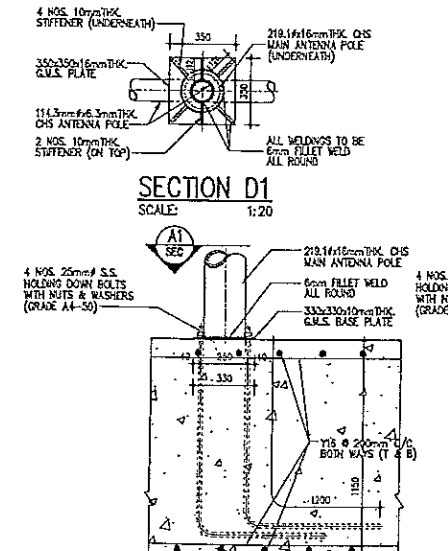


SECTION D2

SCALE: 1:20

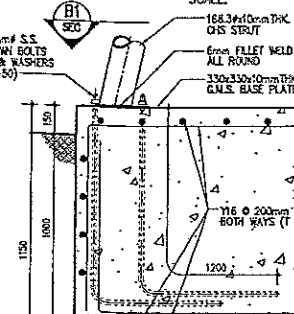
DETAIL E (TYP.)

SCALE: 1:10



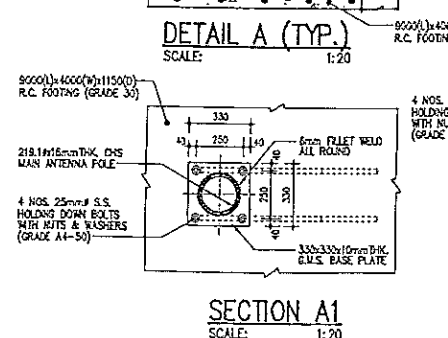
SECTION A1

SCALE: 1:20



SECTION B1

SCALE: 1:20



DETAIL C (TYP.)

SCALE: 1:20

SECTION C1

SCALE: 1:20

COMPACTION :

L The in-situ field dry densities of compacted materials shall not be less than 95% of the maximum dry density described.

Description	Size of Area of Fill in Batches	No. of Determinations per Batch
FILL IN EXCAVATION	0 - 100m ²	3
	100 - 500m ²	2 for each 100m ² or part thereof
	Exceeding 500m ²	1 for each 100m ² or part thereof

A Batch of fill material is any quantity of fill material of the same type and has similar properties throughout

FOUND

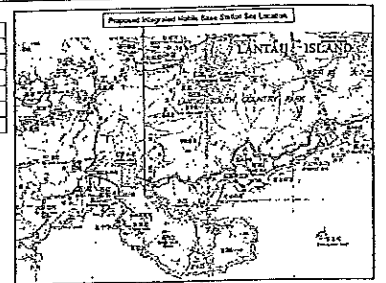
5000mm

EXISTING EQUIPMENT CABINET

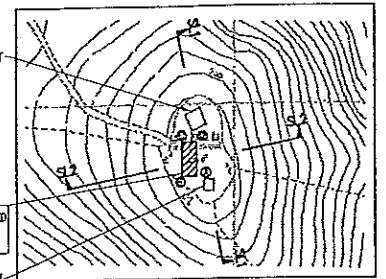
EXISTING EQUIPMENT ROOM

NO.	DESCRIPTION
1	803081.000E, 803381.000N
2	803086.000E, 803381.000N
3	803091.000E, 803381.000N
4	803096.000E, 803381.000N
5	803101.000E, 803381.000N
6	803106.000E, 803381.000N
7	803111.000E, 803381.000N
8	803116.000E, 803381.000N
9	803121.000E, 803381.000N
10	803126.000E, 803381.000N
11	803131.000E, 803381.000N
12	803136.000E, 803381.000N
13	803141.000E, 803381.000N
14	803146.000E, 803381.000N
15	803151.000E, 803381.000N
16	803156.000E, 803381.000N
17	803161.000E, 803381.000N
18	803166.000E, 803381.000N
19	803171.000E, 803381.000N
20	803176.000E, 803381.000N
21	803181.000E, 803381.000N
22	803186.000E, 803381.000N
23	803191.000E, 803381.000N
24	803196.000E, 803381.000N
25	803201.000E, 803381.000N
26	803206.000E, 803381.000N
27	803211.000E, 803381.000N
28	803216.000E, 803381.000N
29	803221.000E, 803381.000N
30	803226.000E, 803381.000N
31	803231.000E, 803381.000N
32	803236.000E, 803381.000N
33	803241.000E, 803381.000N
34	803246.000E, 803381.000N
35	803251.000E, 803381.000N
36	803256.000E, 803381.000N
37	803261.000E, 803381.000N
38	803266.000E, 803381.000N
39	803271.000E, 803381.000N
40	803276.000E, 803381.000N
41	803281.000E, 803381.000N
42	803286.000E, 803381.000N
43	803291.000E, 803381.000N
44	803296.000E, 803381.000N
45	803301.000E, 803381.000N
46	803306.000E, 803381.000N
47	803311.000E, 803381.000N
48	803316.000E, 803381.000N
49	803321.000E, 803381.000N
50	803326.000E, 803381.000N
51	803331.000E, 803381.000N
52	803336.000E, 803381.000N
53	803341.000E, 803381.000N
54	803346.000E, 803381.000N
55	803351.000E, 803381.000N
56	803356.000E, 803381.000N
57	803361.000E, 803381.000N
58	803366.000E, 803381.000N
59	803371.000E, 803381.000N
60	803376.000E, 803381.000N
61	803381.000E, 803381.000N
62	803386.000E, 803381.000N
63	803391.000E, 803381.000N
64	803396.000E, 803381.000N
65	803401.000E, 803381.000N
66	803406.000E, 803381.000N
67	803411.000E, 803381.000N
68	803416.000E, 803381.000N
69	803421.000E, 803381.000N
70	803426.000E, 803381.000N
71	803431.000E, 803381.000N
72	803436.000E, 803381.000N
73	803441.000E, 803381.000N
74	803446.000E, 803381.000N
75	803451.000E, 803381.000N
76	803456.000E, 803381.000N
77	803461.000E, 803381.000N
78	803466.000E, 803381.000N
79	803471.000E, 803381.000N
80	803476.000E, 803381.000N
81	803481.000E, 803381.000N
82	803486.000E, 803381.000N
83	803491.000E, 803381.000N
84	803496.000E, 803381.000N
85	803501.000E, 803381.000N
86	803506.000E, 803381.000N
87	803511.000E, 803381.000N
88	803516.000E, 803381.000N
89	803521.000E, 803381.000N
90	803526.000E, 803381.000N
91	803531.000E, 803381.000N
92	803536.000E, 803381.000N
93	803541.000E, 803381.000N
94	803546.000E, 803381.000N
95	803551.000E, 803381.000N
96	803556.000E, 803381.000N
97	803561.000E, 803381.000N
98	803566.000E, 803381.000N
99	803571.000E, 803381.000N
100	803576.000E, 803381.000N

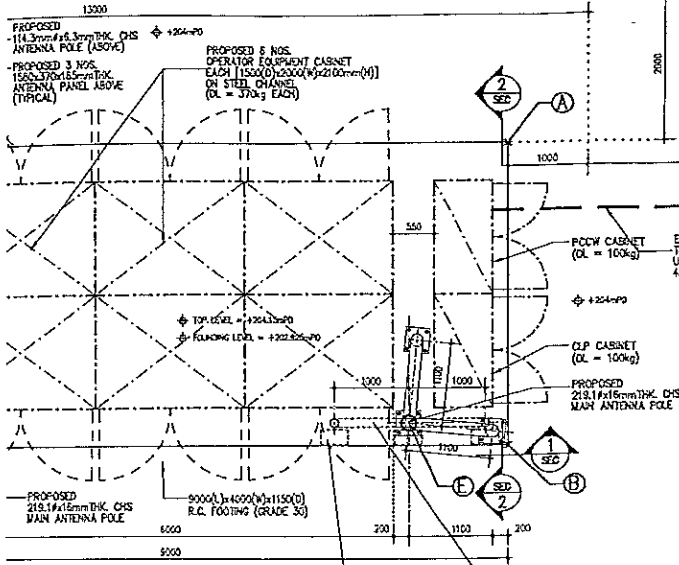
SETTING OUT POINT



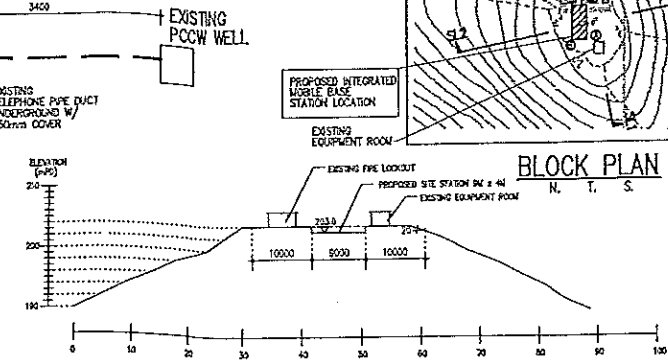
KEY PLAN
N. T. S.



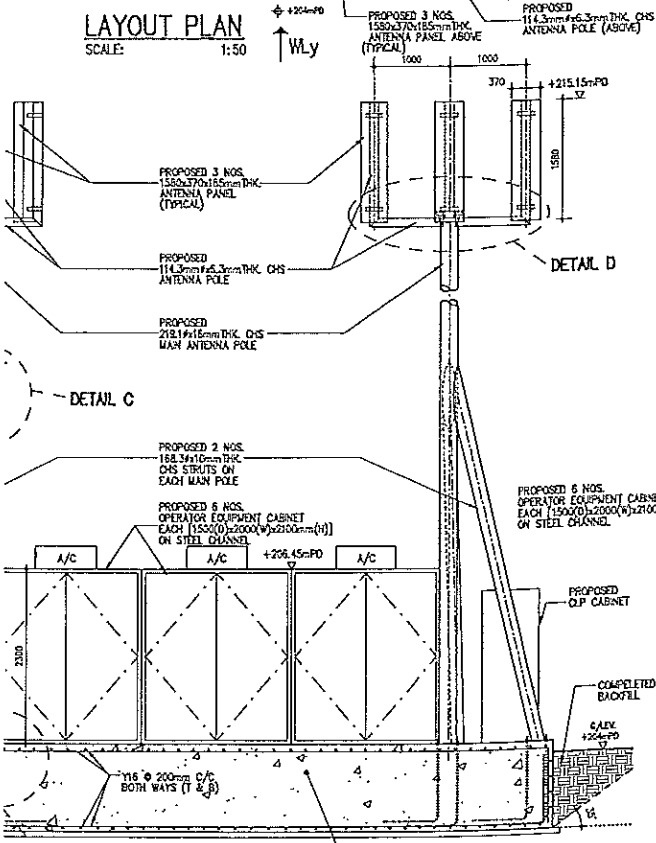
BLOCK PLAN
N. T. S.



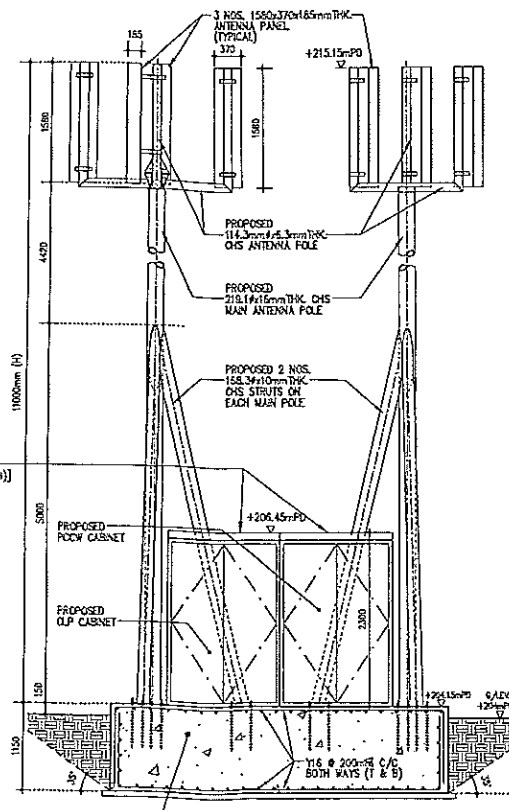
LAYOUT PLAN
SCALE: 1:50



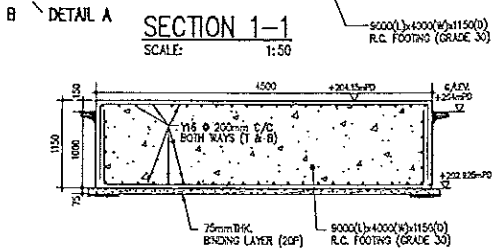
CUT-SECTION SL1 SHOWING
TYPICAL SITE FOUNDATION
SCALE: 1:600



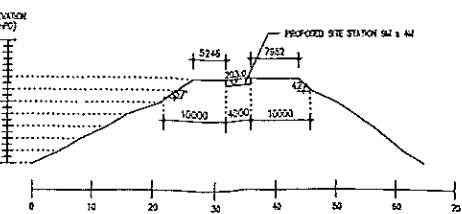
SECTION 1-1
SCALE: 1:50



SECTION 2-2
SCALE: 1:50



R.C. FOOTING DETAIL
SCALE: 1:50



CUT-SECTION SL2 SHOWING
TYPICAL SITE FOUNDATION
SCALE: 1:600

FOUNDING LEVEL	TOTAL DL	LIVE LOAD	ULx	W _y	LOADING CONDITION (D+L+W _y)	DESIGN PRESSURE	ALLOWABLE DESIGN PRESSURE (with wind)
+1150mm(D)	+202.525m-PO	1155.9kN	5.0kPa	265.6kN	265.6kN	1729.3kN	51.7kPa
							62.9kPa

DATE	REV.	DESCRIPTION
16/01/07	1	REDUCED MAIN ANTENNA POLE HEIGHT

CLIENT:

{C} SL *****

CONSULTANT:

SL
PRUDENTIAL SURVEYORS INTL. LTD.
TEL. 23078333 FAX. 23986576

AUTHORIZED PERSON:

Dennis W.C. Wong
R.Eng.(P), C.Eng., P.Eng., M.Eng., M.Inst. Struct. Engrs., R.Eng. (H.K.)

REGISTERED STRUCTURAL ENGINEER:

Lee Chi-Pui
R.Eng. (P), C.Eng., P.Eng., M.Eng., M.Inst. Struct. Engrs., R.Eng. (H.K.)
Registered Structural Engineer

PROJECT TITLE:

EQUIPMENT PLATFORM AT SHEK PIK FIRE LOOKOUT LANTAU ISLAND, H.K.

DRAWING TITLE:

BLOCK PLAN, KEY PLAN, GENERAL NOTES, LAYOUT PLAN, ELEVATIONS

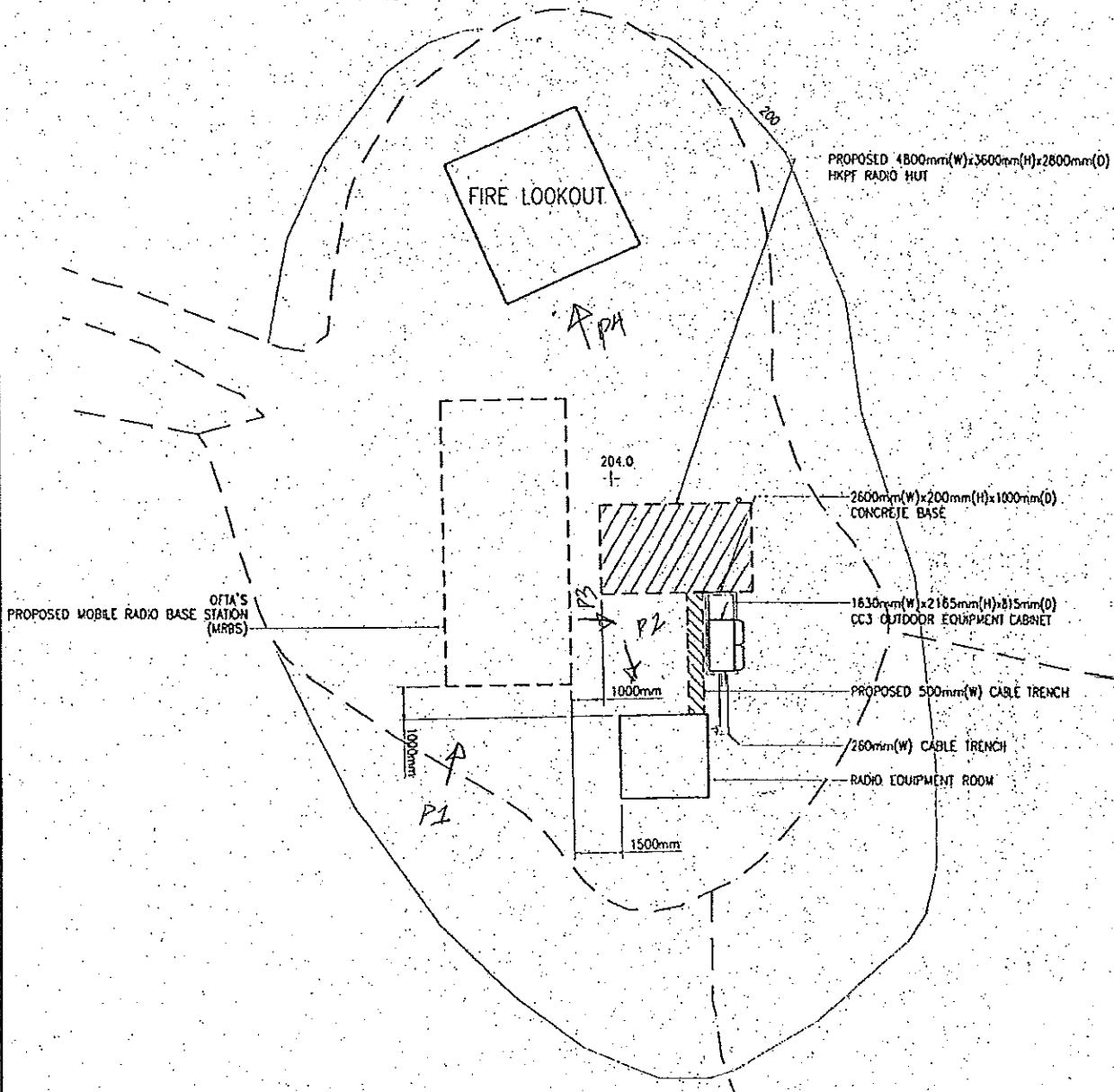
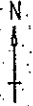
DRAWN	DATE	CHECKED	SCALE
R	5/12/08	DW	AS SHOWN

JOB NO. B1775
FILE NO. B1775/SET

FIG. NO. B1775-S1

STATUS: AMENDMENT A

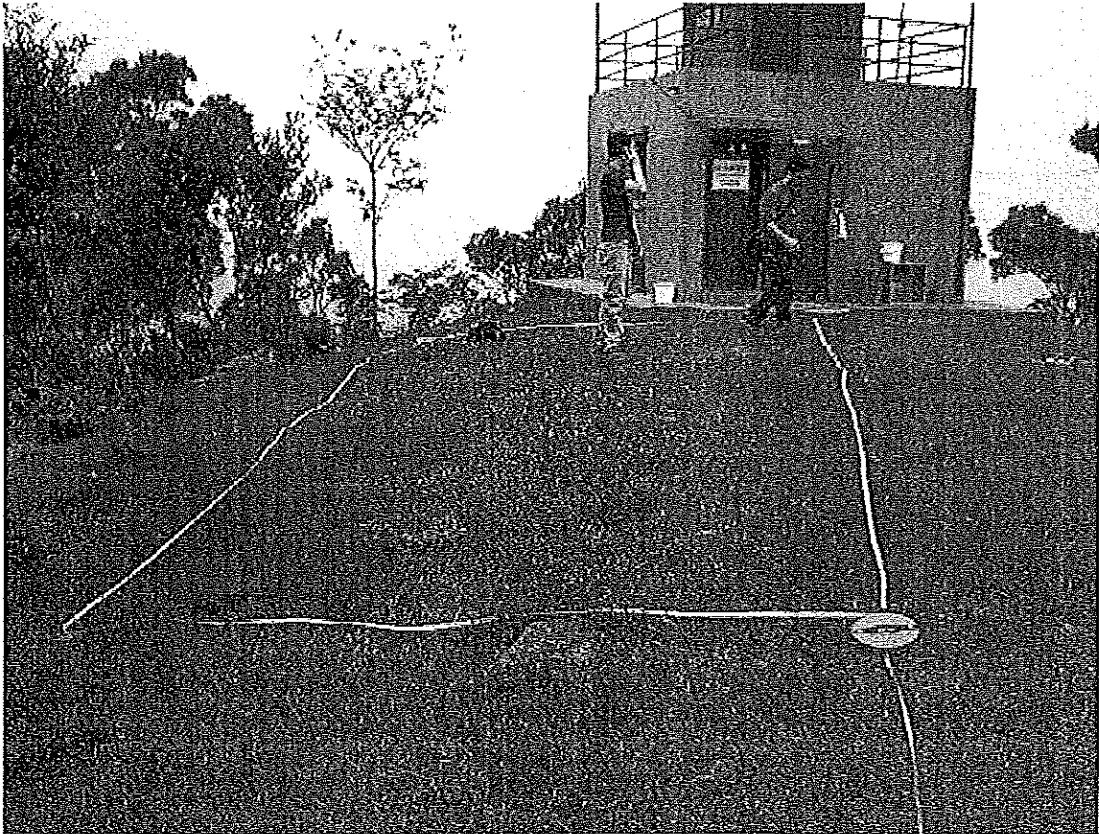
ANNEX 3



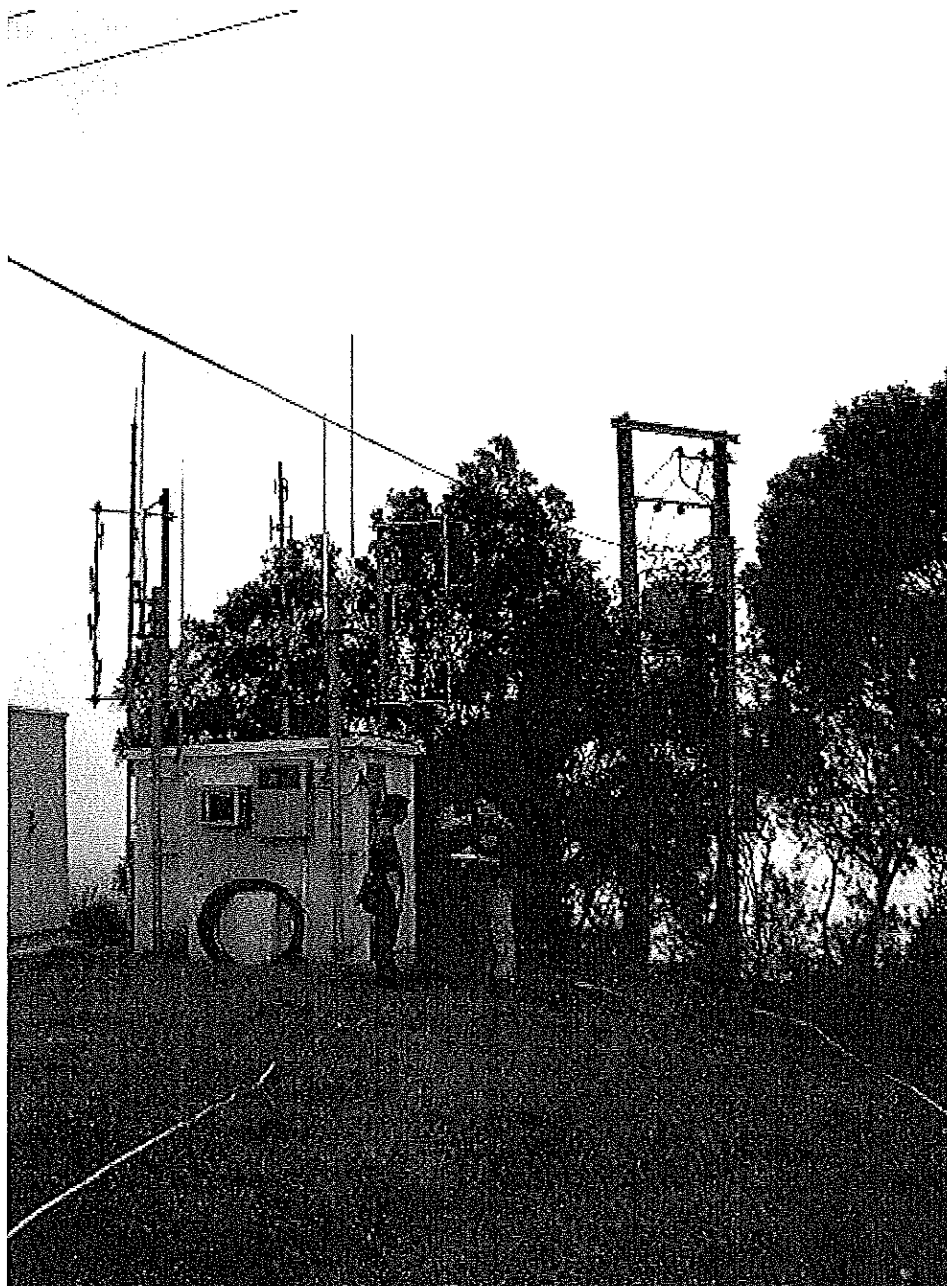
Legend

P1 - picture no and taken direction

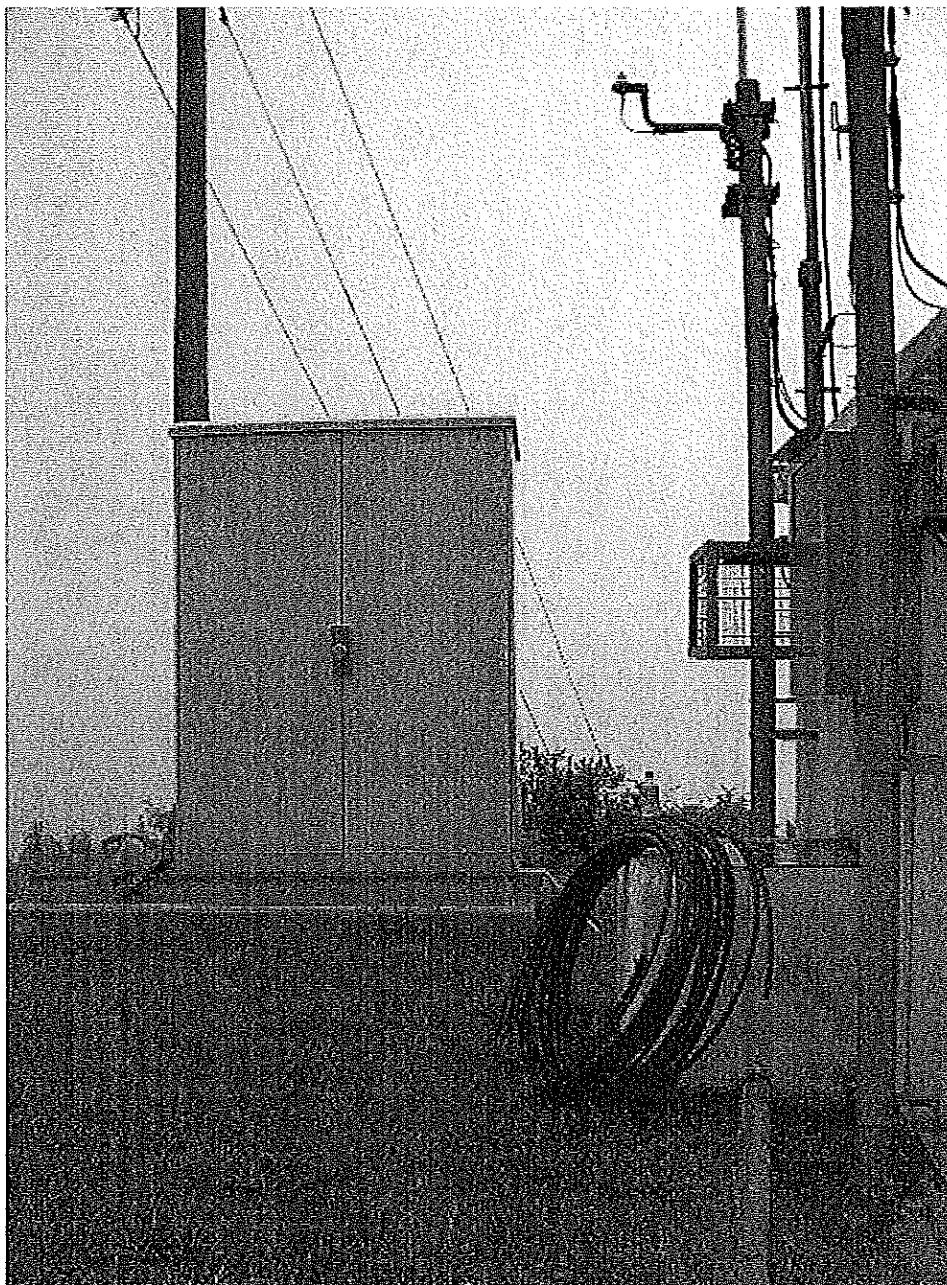
TITLE: Site Photo Location plan at Shek Pi K Fire Lookout					SCALE: 1:200	
					ON A4 SHEET WITH DRAWING BOX SIZE = 270mm x 190mm	
DRAWING. NO.:	ISSUE:	DATE:	5	DRAWN BY TO2	UNIT: m	SCALE: 1:200



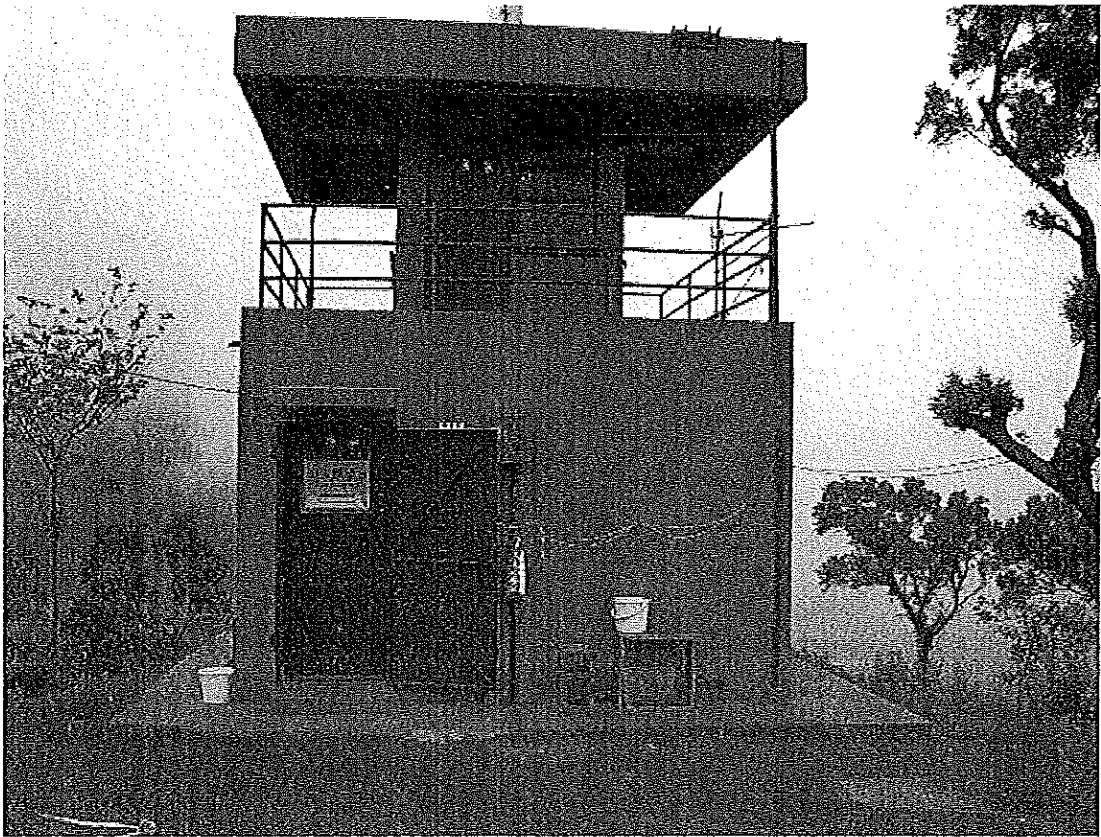
Picture 1: Location of the Integrated Mobile Phone Base Station



Picture 2: General View of the Existing Radio Equipment Room



Picture 3: General View of the HKPF Radio Equipment



Picture 4: General View of Fire Lookout

附件 四

屋宇署於 2007 年 2 月 8 日發出的批則信

B1778



YOUR REF 來函檔號 :
OUR REF 本署檔號 : BD 2/9179/06
FAX 圖文傳真 : 2845 1559
TEL 電話 : 2626 1278
www.bd.gov.hk

Mr. WONG Wing-cheung Dennis
Prudential Surveyors International Ltd.
Rooms 3101-3106, Dah Sing Financial Centre
108 Gloucester Road
Wanchai, Hong Kong

23

8 February 2007

Dear Sir,

**Shek Pik Fire Lookout, Lantau Island –
LNT 71/CGS/59(A)**

I refer to your application dated received on 11 December 2006 for approval of proposals in respect of Building, Foundation and Superstructure.

- Your submission of plans has been checked under the curtailed check system announced in Practice Note for Authorized Persons & Registered Structural Engineers 272. On this basis, I am satisfied that your submission is fundamentally acceptable and may be approved.
- You are reminded that the curtailed check system covers only the fundamental issues of a building proposal. Although non-fundamental issues will not be raised as reasons for disapproving a submission, I expect that all contraventions of the Buildings Ordinance and its subsidiary legislation are rectified as and when they are discovered and in any event, before completion of the works is certified. In this connection, I ask you to note that the Building Authority attaches great importance to the proper assumption of duties and responsibilities by authorized persons and registered structural engineers.
- In accordance with the provisions of regulation 30(1) of the Building (Administration) Regulations, this is to notify that the above – mentioned plans submitted with your application dated received on 11 December 2006 are hereby approved. One set of the said plans, on which I have signified my approval, is enclosed. Your client has been sent a copy of this letter but I would request that you ensure that the contents are understood by him.
- This approval should not be deemed to confer any title to land or to act as a waiver of any term in any lease or licence. This approval does **NOT** authorize the commencement or the carrying out of any works shown in the approved plans. Section 14(2) of the Buildings Ordinance refers.

c.c. Hong Kong CSL Limited
18/F, Manhattan Centre,
8 Kwai Cheong Road,
Kwai Chung,
New Territories

DPO/SK & Is DLO/Is
CGE/MW, GEO DFS
DAF&C CO/SM
D-G of Civil Aviation CA
SPO/IAU

Yours sincerely,

(LO Cho-ki)
Chief Building Surveyor
for Building Authority

BNGP130207A/B1778

BUILDING DIVISION		Project Section
Date Rec'd	13-02-07	
Project Manager	DW	
TN		CL
DW	✓	WP
CPL		AH
BL		LC
PC		EW
AL		DL
TL		KT
KS		WKL
File	Copy to	
Action		

S.L. 9 (02/2004)

Our ref.: BD 2/9179/06

6. This approval is subject to the conditions and requirements detailed in Appendices A, B and C.

7. Under Building (Administration) Regulation 10, you are required to submit the ground investigation report to verify the design bearing capacity of the founding stratum. Consent to the commencement and carrying out of the foundation works now approved will not be given until the above ground investigation report has been submitted and found satisfactory. Section 16(3)(b) of the Buildings Ordinance refers.

8. Chief Geotechnical Engineer/Mainland West, Geotechnical Engineering Office, Civil Engineering and Development Department (contact officer: Mr. K.C. LAU at tel. 2762 5210) has no geotechnical objection in principle. However, please be informed of the conditions and requirements as set out in Appendix D.

9. District Planning Officer/Sai Kung & Islands, Planning Department (contact officer: Mr. Lawrence CHAU tel. 2158 6158) has the comments in Appendix E.

10. Director of Agriculture, Fisheries and Conservation (contact officer: Mr. K. T. CHAN at tel. 2150 6843) has the comments in Appendix F.

11. Director-General of Civil Aviation (contact officer: Ms. Cecilia Pang tel. 2183 1252) has the comments in Appendix G.

12. Your submission of plans has been referred to District Lands Officer/Islands for direct comment.

13. It is noted that you amended the plans on 1.2.2007.

14. Your submission of plans has been selected for audit checking and contravention on non-fundamental issues was not identified.

Ref : BD 2/9179/06

Address : Shek Pik Fire Lookout, Lantau Island - LNT 71/CGS/59(A)

Appendix A to approval dated 8 FEB 2007

Reinforced Concrete Works

In giving this approval of plans, I hereby impose the following conditions under item 6 in section 17(1) of the Buildings Ordinance:

- (a) Sampling and testing of steel reinforcement should be carried out in accordance with Practice Note for Authorized Persons and Registered Structural Engineers 122 (PNAP 122) current at the date of this approval. Testing should be carried out by a laboratory* accredited under the Hong Kong Laboratory Accreditation Scheme (HOKLAS) for the particular test concerned. Test results should be reported on a HOKLAS Endorsed Certificate and submitted within 60 days of the delivery of the steel reinforcement to the site. The test reports should be appended with a statement signed by the Authorized Person/Registered Structural Engineer to confirm the following:
 - (i) All steel reinforcement used for the construction and the test specimens covered by the test reports are in accordance with the types and grades of steel shown in the approved plans.
 - (ii) Sampling and testing of steel reinforcement used have been carried out in accordance with the current PNAP 122.
 - (iii) The acceptance criteria appropriate to each type and grade of steel reinforcement used have been complied with.
 - (iv) All steel reinforcement tests have been carried out by a laboratory* accredited under HOKLAS.
- (b) Sampling of concrete and compression testing of concrete test cubes should be carried out in accordance with the methods specified in CS1:1990. Testing should be carried out by a laboratory* accredited under HOKLAS for the particular test concerned. Test results should be reported on a HOKLAS Endorsed Certificate and submitted within 21 days after testing. The test reports[#] should be appended with a statement signed by the Authorized Person/Registered Structural Engineer to confirm the following:

- (i) All concrete used for the construction and concrete cubes covered by the test reports are in accordance with the concrete grades shown in the approved plans.
 - (ii) Concrete cube sizes, rates of sampling fresh concrete for testing and acceptance criteria for compressive strength set out in Building (Construction) Regulations have been complied with.
 - (iii) All concrete cube tests have been carried out by a laboratory* accredited under HOKLAS and in accordance with the methods specified in CS1:1990.
- (c) Qualified site supervision of the reinforced concrete works and of the sampling of concrete and making and curing of test cubes, by an experienced and competent person, should be provided to ensure that the works are carried out in accordance with the plans approved and that the required standards are complied with.

* A Directory of Accredited Laboratories in Hong Kong is obtainable from the Hong Kong Accreditation Service (HKAS) Executive, Innovation and Technology Commission.

Up-to-date information on accredited laboratories and their scopes of accreditation are available on the internet at the HKAS website at <http://www.info.gov.hk/itc/hkas/>.

A laboratory's accreditation for an individual test or calibration may be granted, modified or withdrawn at any time. To ensure that the test that you commission the laboratory to conduct is within its scope of accreditation, please always insist on test results be reported on a HOKLAS Endorsed Certificate.

The test reports, when submitted, should be appended with a summary which contains information on locations of concerned structural elements, concrete grades and dates of cast. The summary should also include previous summary information of concrete cube test reports in chronological order.

Ref : BD 2/9179/06

Address : Shek Pik Fire Lookout, Lantau Island - LNT 71/CGS/59(A)

Appendix B to approval dated - 8 FEB 2007

Structural Steel Works

In giving this approval of plans, I hereby impose the following conditions under item 6 in section 17(1) of the Buildings Ordinance:

- (a) Qualified site supervision of the structural steel works, including fabrication, erection and examination of the structural elements, by an experienced and competent person should be provided to ensure that the works are carried out in accordance with the plans approved and that the required standards are complied with.
- (b) For welding of structural steel works, welding procedures and welders should be assessed/tested in accordance with the appropriate provisions of British Standards BS 4870, BS 4871 and BS 4872.

2. Under Building (Administration) Regulation 10, a copy of mill certificates of the structural steel used, is required to be submitted which should be appended with a statement signed by the authorized person/registered structural engineer to confirm that the requirements of chemical composition and mechanical properties appropriate to the type of steel have been complied with.

Ref : BD 2/9179/06

Address : Shek Pik Fire Lookout, Lantau Island - LNT 71/CGS/59(A)

Appendix C to approval dated 8 FEB 2007

Foundation Works (Spread Footings/Rafts)

In giving this approval of plans, you are reminded that site supervision of the foundation works by a team of supervisors shall be provided each by the Authorized Person, the Registered Structural Engineer and the Registered Specialist Contractor / Registered General Building Contractor in accordance with the Technical Memorandum for Supervision Plans and the Code of Practice for Site Supervision to ensure that the quality of the foundation works is up to standard and that the works are carried out in accordance with the plans approved and in such a manner as not to render inadequate the margin of safety of, or impair the stability of, or cause danger to any building, structure, land, street or services. Details of site supervision for the foundation works shall be included in the supervision plan and submitted prior to or at the time of application for consent to the commencement of the foundation works.

2. In connection with paragraph 1 above regarding inspection of bearing stratum to check for compliance with approved plans, site investigation reports and design assumptions, the Buildings Department should be notified of the time and date of the inspection so that it may be witnessed by a representative from the Department.

3. Under Building (Administration) Regulation 10, two sets of foundation record plans and report together with the Form BA 14 stipulated in Building (Administration) Regulation 25 to certify the completion of the foundation works are required to be submitted. The record plans should show the characteristic features of the site and the identification, location, size and founding level of each foundation unit as constructed

Ref : BD 2/9179/06

Address : Shek Pik Fire Lookout, Lantau Island – LNT 71/CGS/59(A)

APPENDIX D TO APPROVAL DATED _____
BUILDING PLAN SUBMISSION

1. Please be informed that site formation submissions should contain the following information, failing which approval may be refused under the Buildings Ordinance Section 16(1) :
 - 1.1 Site formation plans and appropriate supporting geotechnical documentation taking into consideration the requirements of Building (Admin) Regulation 8(1)(bb) with particular emphasis on : -
 - 1.1.1 the provision of support and strengthening of existing retaining walls and/or slopes both during construction and in the long term, and a report of an investigation of the effects of intended construction works on existing walls and/or slopes, including demonstration of compliance with B(C)R 20.

1) GI → Geo / own → geo data
2) GA → GE ?
3) SP → ~~land survey~~ land survey (survey plan)

Appendix E

From District Planning Officer/
 Sai Kung & Islands, Planning Department
 Ref. () in LI/L/LT/60
 Tel. No. 2158 6158
 Fax. No. 2890 5194
 Date 3 January 2007

To CBS/NTE, BD
 (Attn: Mr. Yim Yui-kee)
 Your Ref: (4) in BD 2/9179/06
 dated 14.12.2006 Fax No. 2845 1559
 Total Pages 1

LNT 71/CGS/59(A)
Shek Pik Fire Lookout, Lantau Island

I refer to your above-quoted memo and append below our comments based on the building plan (drawing no. B1 775-S1) submitted:

Statutory Comments

2. The subject site falls within an area zoned "Country Park" on the South Lantau Coast Outline Zoning Plan (OZP) No. S/SLC/14. As the site falls within the Lantau South Country Park and according to the Notes of the OZP for the "Country Park" zone, all uses and developments require consent from the Country and Marine Parks Authority and approval from the Town Planning Board is not required.

3. In view of the above, we have no statutory comment on the building plan.

Advisory Comments

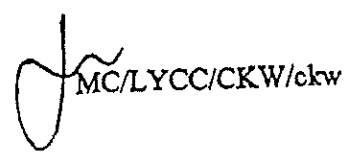
4. Please seek comment from the Director of Agriculture, Fisheries and Conservation.

5. The above comments on the building plan submitted may be subject to revision should there be a change in circumstances before a decision on the building plan is made by the Building Authority.



(Lawrence Y C CHAU)
 for District Planning Officer/Sai Kung & Islands
 Planning Department

Internal
 Site Record 2405



From Director of Agriculture, Fisheries & Conservation
Ref. (22) in AF GR CPDA LS/9/2006
Tel No. 2150 6843
Fax No. 2311 3731
Date 29 December 2006

To Chief Building Surveyor/NTE, Buildings Department
(Attn. Mr. Y. K. YIM)
Your Ref. (6) in BD 2/9179/06
dated 15 December 2006 Fax No. 2845 1559
Total Pages _____

Shek Pik Fire Lookout, at Lantau Island – LNT 71/CGS/59(A)

I refer to your memo under reference.

2. I have the following comments on the proposed installation of Mobile Phone Base Station:-

- i) All antenna poles should be painted in Pantone 462U, BS10B25 or similar subdued colours upon completion of the project to match with the surrounding environment.
- ii) All temporarily disturbed areas should be reinstated back to their original states with hydroseeding of grasses and/or vegetation planting.



(K. T. CHAN)
for Director of Agriculture, Fisheries and Conservation

RECEIVED BY
2007 JAN -3 P 4:30
R & D Section
BUILDINGS DEPARTMENT

From Director-General of Civil Aviation

To Chief Building Surveyor/NTE, BD
(Attn.: Mr. YIM Yui-kee)

Ref. (33) in AS/WKS/106 XXVI

Your Ref. (6) in BD 2/9179/06

Tel. No. 2183 1252 Fax. No. 2795 8469

dated 15 December 2006

Date 25 January 2007

Your Fax. No. 2845 1559 TOTAL PAGES 1

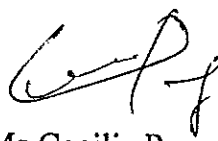
Shek Pik Fire Lookout, Lantau Island – LNT 71/CGS/59(A)

I refer to your MUR enclosing a copy of the Authorized Person's letter and a drawing no. B1775-S1, and your e-mail message of 18 January 2007 which provided the edge coordinates and terrain level of the proposed site, and the coordinates and the level of the highest point of the proposed antenna poles.

2. Subsequent to your above-mentioned e-mail message, Mr. So of Prudential Surveyors International Ltd. advised on the phone on 24 January 2007 that the level of the highest point of the equipment cabinets is +206.45mPD, instead of +206.15mPD as stated on their letter of 17 January 2007.

2. We have no comment on the proposed STT on the understanding that no part of any structure shall exceed the height limits specified in the Hong Kong Airport (Control of Obstructions) Ordinance (CAP. 301) and there shall not be any adverse effect on the signal integrity of air navigational aids.

3. The drawing will be returned by dispatch.



(Ms Cecilia Pang)

for Director-General of Civil Aviation

c.c. ADG(E&S) (Attn.: Mr. K F Chiu)

RECEIVED BY
R & D Section
BUILDINGS DEPARTMENT

2007 JAN 29 P 5:24

RECEIVED BY