

**PROPOSED INSTALLATION  
OF  
INTEGRATED MOBILE PHONE BASE STATION  
AT  
SHEK PIK FIRE LOOKOUT  
LANTAU ISLAND  
NT**

**PROJECT PROFILE**

**HONG KONG CSL LIMITED**

**Prepared by: Prudential Surveyors Int'l Ltd**

**JULY 2007**

## **Basic Information**

### **Project Title**

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

### **Purpose and Nature of the Project**

2. This project is a joint development of all the mobile phone operators to improve the mobile phone coverage for visitors of the country park and to ensure that tele-communications for the general public is maintained in case of emergency.

### **Name of Project Proponent**

3. Hong Kong CSL Limited.

### **Location and Scale of the Project**

4. The integrated mobile phone base station is proposed at Shek Pik Fire Lookout as shown on the location plan at **Appendix I**. The station will comprise of an equipment platform [9.0m (l) x 4.0m (w) x 1.15m (D)] with an area of 36 square metres. The equipment platform, consisting of six (6) equipment cabinets, one (1) power cabinet, one (1) telephone cabinet and three (3) antenna poles of 11 metres in height, will be erected on the hill top at level 204.15 mPD. The equipment platform will be constructed of ready mixed cast in-situ concrete, which will be transported to the proposed area by helicopter. All the construction material, equipment and wastes, etc., will be transported to and away from the site by helicopter. No haul road will need to be constructed. Public utilities such as electricity supply and telecommunication lines will be installed for the integrated mobile phone base station.
5. Lands Department had not issued us a formal letter of Short Term Tenancy (STT), but had verbally agreed to the establishment of an integrated mobile phone base station at the proposed location and had given us a STT number (STT No.CX1840). The formal letter of STT from Lands Department is expected in August.

6. The radio coverage and the impact on the environment are the salient factors in the site selection process. The proposed site is considered to provide significant radio coverage to the surroundings. Other alternatives have also been considered but were found unsuitable.

### **Number and Types of Designated Projects to be Covered**

7. The project involves an integrated mobile phone base station to be installed at the proposed location as shown in **Appendix I**. According to EIAO Schedule 2, PART I, Section Q.1, the proposed project is a designated project as it involves building works in an existing country park and it is not under exceptional cases in Section Q1 (a) to (j).

### **Name and Telephone Number of Contact Person**

8. The contact person for this project is Mr. Terry Yeung of Hong Kong CSL Limited, telephone number 2888 3734 and facsimile number 2962 5144.

### **Outline of Planning and Implementation Programme**

#### **Planning and Implementation**

9. The project is planned and managed by Hong Kong CSL Limited and there will be a total of six (6) mobile phone operators to participate the proposed station.
10. Upon the grant of a short term tenancy and environmental permit by the District Lands Office and Environmental Protection Department respectively and consent to commence building works by the Buildings Department, CSL will start and complete the construction work in accordance with the work schedule. The proposal had been submitted to Buildings Department (BD) for approval under the Buildings Ordinance on 11<sup>th</sup> December 2006 and approved by BD on 8<sup>th</sup> February 2007. Through BD's control processing system, no adverse comment or objection had been expressed by relevant government departments including District Planning Office (DPO), Water Supplies Department (WSD), Director of Agriculture, Fisheries and Conservation (DAFC), Drainage Services Department (DSD), District Lands Office (DLO) and Architectural Services Department (ASD). Please refer to BD's letter dated 8<sup>th</sup> February 2007 in Appendix IV. However, the plan approved by BD on 8<sup>th</sup> February 2007 indicates a concrete

plinth size of 9m (L) x 4.5m (W) x 1.15m (D). In this respect, an amendment plan has been submitted to BD to reduce the concrete plinth size to 9m (L) x 4.0m (W) x 1.15m (D). The amendment plan is attached at Appendix III.

### **Work Schedule**

11. The construction work including the equipment and antennas installation is proposed to commence in end of September 2007 and to be completed by the end of November 2007. It is proposed that the mobile phone station will be put into operation in the end of December 2007. The proposed work schedule is given at **Appendix II**.

It is anticipated the excavated material will be transported off the site immediately by helicopter. Also, the exposed excavated surface will be immediately screeded with cement/sand or binding layer to make the surface impervious. Furthermore, the excavated area will be covered completely prior to concreting to minimize the possibility of surface run off from the site

### **Possible Impact on the Environment**

#### **Construction Impacts**

12. The landscape and visual impact during construction and after completion of work is considered and addressed in paragraph 21.
13. Noise emission during the construction and on completion of the projects is considered to be minimal and addressed in paragraph 22.
14. Disposal of waste including some surplus construction material and some general refuse is considered minimal and addressed in paragraph 23.
15. Dust impact from construction activities is considered to be minimal and is addressed in paragraph 24.
16. Earthworks operation is not required as the excavation depth is less than 1150 mm and there will be no blasting operation.
17. Night-time work is not required for the construction of the project.
18. No ecological impact is anticipated during the construction and on completion of the project.

### **Operational Impacts**

19. Completion of the Integrated Mobile Phone Base Station will not cause any significant change to the environment. The site layout plan, section and typical detail of the proposed integrated mobile phone station and photographs are shown in **Appendix III** to illustrate the appearance of the Integrated Mobile Base Station.

### **Major Elements of the Surrounding Environment**

20. The major elements of the surrounding environment are as follows:-

#### Countryside setting

The proposed site comprises of an equipment platform situated on level ground on the hill top of the Country Park. The proposed site is surrounded by slopes and the ground of the hill top is covered with grass. To the north of the equipment platform is an existing fire lookout. To the south of the equipment platform is an existing police equipment cabinet. To the west of the equipment platform is a footpath. To the east of the equipment platform is slope. No streams are found near the site. Furthermore, no radiation monitoring station, ecological sensitive receiver or heritage sensitive receiver is located in the surrounding environment. Therefore, the installation will not affect the present setting of the Countrypark.

The site is surrounded by bushes and grass, which is commonly found in Hong Kong. No tree is required to be felled to provide the necessary area for the installation of the proposed base station.

### **Environmental Protection Measures to be Incorporated in the Design and any Further Environmental Implications**

21. The site layout and building design will incorporate the comments of Country and Marine Park Authority. In order to further minimise the visual impact of the station, the antenna poles will be painted or coated in "Antique"(B.S. 10B25 or **Pantone 462U**) or similar subdued colour to match the existing surroundings and to the satisfaction of the Country and Marine Parks Authority. As for the landscaping,

- all temporarily disturbed areas should be reinstated to their original states with hydroseeding of grasses and/ or vegetated planting.
22. Only hand held equipment will be used for construction. Heavy equipment will not be used. Also, noise sensitive receiver is more than 600m away from the site. Therefore, noise impact is anticipated to be minimal during the construction. Nevertheless, construction activities will be carried out in daytime (9:00-19:00). Since there will be hikers enjoying their recreational activities in the Country Park at the weekends and public holidays, no construction work will be scheduled on Saturday, Sunday and public holidays in order to minimize the impact on the hikers.
- 23 All the construction material, equipment and wastes, etc., will be transported to and away from the site by helicopter and not by hand.
- 24 The site will be completely water down to minimize any dust that may be generated during the construction stage.
- 25 The Standard Pollution Mitigation Measures will be incorporated in relevant works contracts during the construction phase of the works. The operation of the proposed sites is unmanned and will not generate noise nor have any effect on air quality and water quality.
- 26 The operation of the proposed Integrated Mobile Phone Base Station will strictly comply with the "Code of Practice for the Protection of Workers and Members of Public Against Non-Ionizing Radiation Hazards from Radio Transmitting Equipment" issued by OFTA. The proposed location of the station is quite remote from the area for inhabitancy. Furthermore, the location of the emitter of the station is at least 11 metres above the human head pointing away from any human activities or inhabitation. In this case, the non-ionizing radiation has no significant impact on the public.
- 27 The Integrated Mobile Base Station will be cleaned and painted every year if necessary to maintain the good condition of the site. Except in case of any troubleshooting and emergency repair, the periodic inspection will only be carried out every three months in the first year and once a year afterwards. The low inspection frequency will therefore not give any significant impact on the environment.

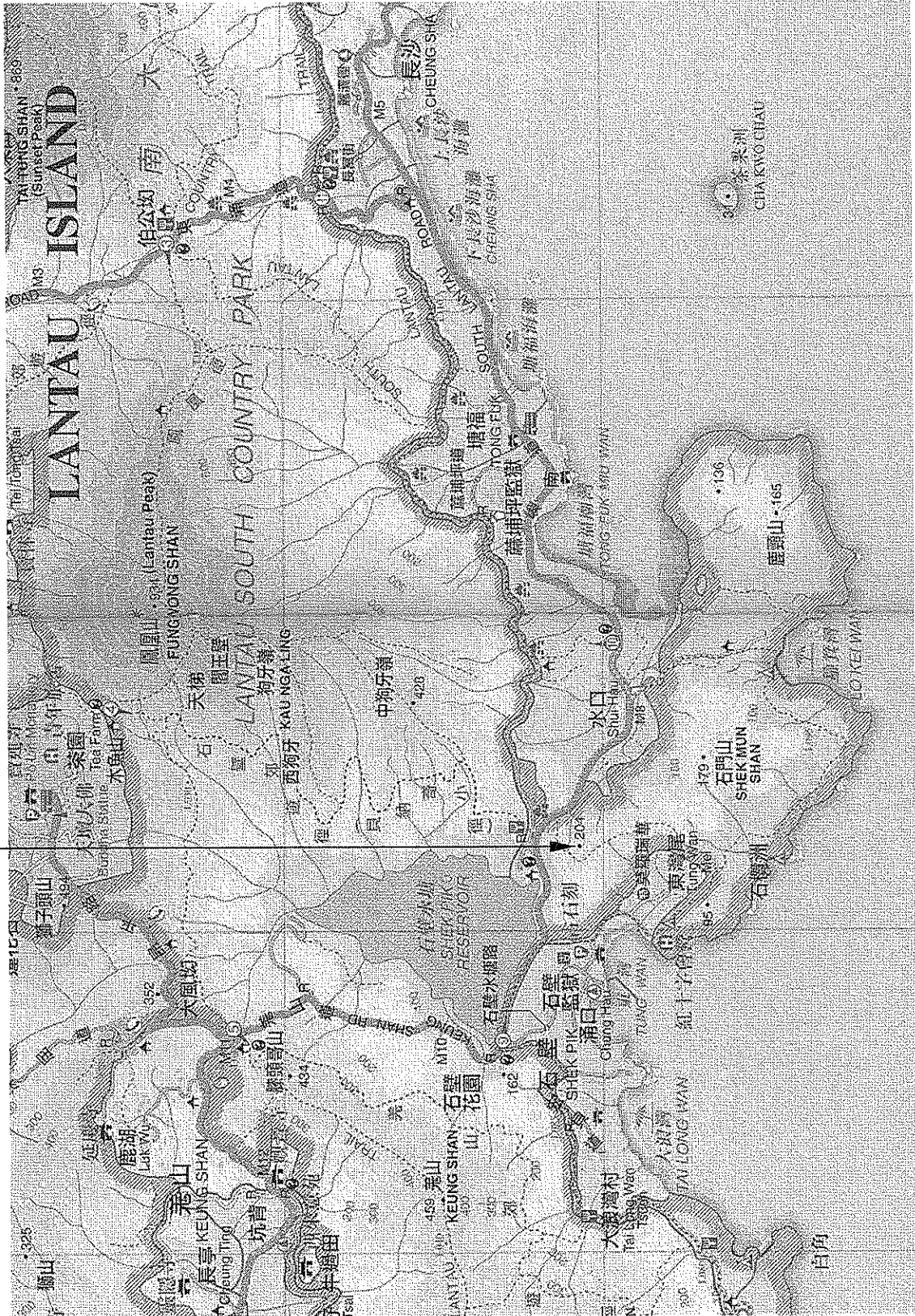
## APPENDICES

<b>Appendix I</b>	Site Location Plan
<b>Appendix II</b>	Proposed Work Schedule
<b>Appendix III</b>	Amendment Plan and Site Photos
<b>Appendix IV</b>	Buildings Department Approval Letter dated 08.02.2007

**Appendix I**  
**Site Location Plan**

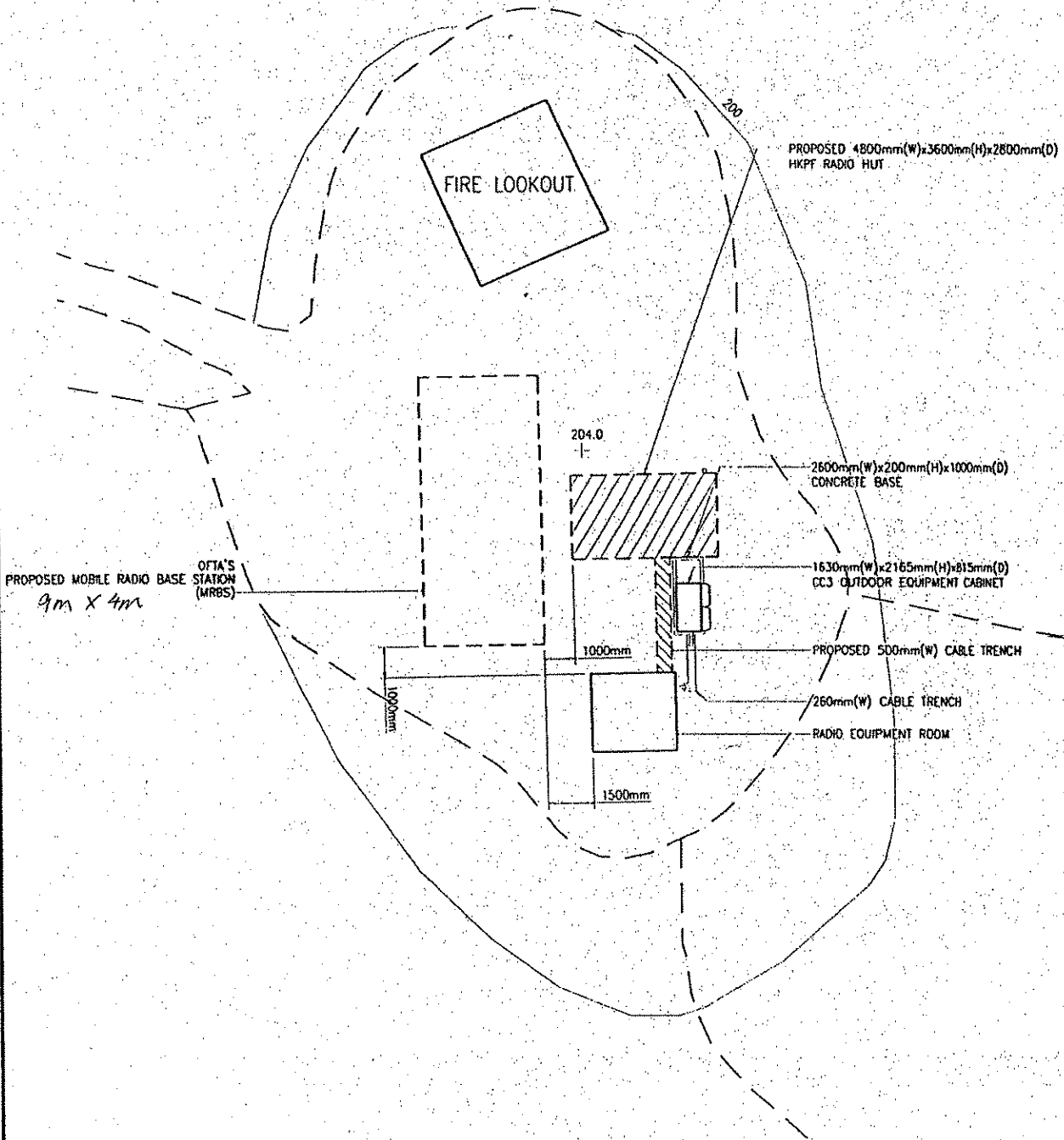


Proposed Integrated Mobile Base Station Site Location



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

ANNEX 3



TITLE: SITE LOCATION PLAN OF SARK PIK FIRE LOOKOUT

SCALE: 1:200

ON A4 SHEET WITH DRAWING BOX  
SIZE = 270mm x 180mm

DRAWING. NO.:

ISSUE: 3

DATE: 2007.03.05

DRAWN BY T02

UNIT: m

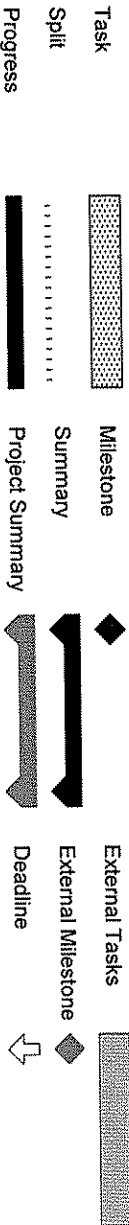
SCALE: 1:200  
DATE: 2007.03.05  
DRAWN BY: T02

**Appendix II**  
**Proposed Work Schedule**

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

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

Project works schedule\_1  
Date: Tue 7/10/07



**Appendix III**  
**Amendment Plan and Site Photo**

**GENERAL NOTES :**  
**STRUCTURAL WORKS**

- All design loadings should conform to the requirement as specified in Hong Kong Building (Construction) Regulations 1980 and Code of Practice on Wind Effects Hong Kong 2004.
- Design wind Pressure = 3.25kPa (Under 220m).
- All structural steel shall be Grade 43C for hollow sections, others shall be Grade 43A.
- All reinforced concrete works shall comply with the Hong Kong Building (Construction) 1985.
- All structural steel shall comply with the appropriate provisions of B.S. 4360.
- The structural steel shall be hot-dip galvanized to B.S. 729.
- 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, 6mm continuous fillet welds shall be used.
- All weld shall be tested in accordance with B.S.3921.
- Certificate 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.
- "HLIT" anchor bolts shall be used for fixing of structural steel members to existing structural walls. Sizes and length are specified in drawings. Installation of HLIT anchor bolt shall comply with the manufacturer manual.
- Existing finishes shall be removed to expose sound concrete prior to the installation of additional steel members.
- Those disturbed finishings are required to be seen 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 drilling process to form openings of not more than 100mm diameter. No reinforcement bar is to be cut during the drilling process. Openings shall be spaced at least 300mm apart 1/2 or 3/4 the diameter (whichever is greater).
- Contractor shall carry out pull-out tests of anchor bolts and verify the true thickness and material used for the supporting elements prior to any installation, in case that the wall thickness is found to be less than specified, or the material used for construction deviated from assumed 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: 1998 & 3506-2:1998.
- All stainless steel bolts and nuts shall be grade A2-50 and complies with BS 6105.
- All non-shrinkage grout shall be complied with SAA MP20 part 3.
- All dimensions are measured in millimetres.
- Structural concrete to be grade 30/20 to CSI. Sliding 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 thick.
- Footing foundation material to be well compacted soil fill with allowance bearing capacity 50 kPa.
- For R.C. structure the reactive Alkali of concrete expressed as the equivalent sodium oxide 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 or vice versa.
- The G Report shall submit to BD prior to consent application.

**THE PROTECTION OF EARTHWORKS AGAINST HEAVY RAIN FALL**

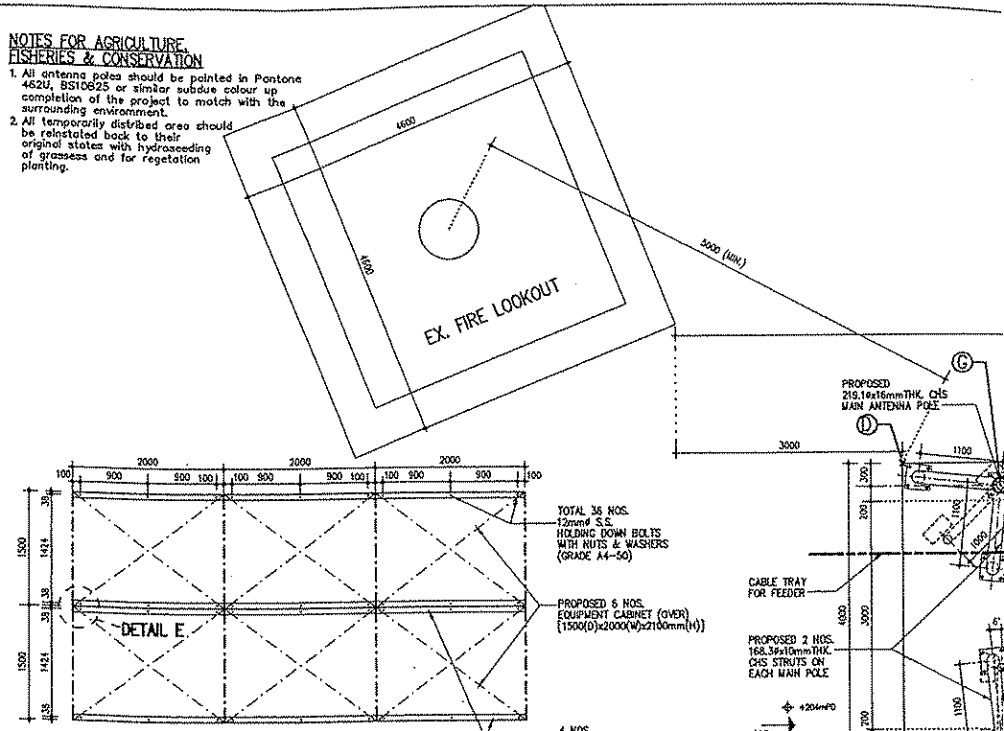
- Surface Water Flowing into the site from adjacent ground shall be interrupted and conducted from the site to an indicated safe discharge point.
- All earthwork shall be graded and sealed to ensure run off and to avoid ponding.
- A method of working shall be adopted to minimize the exposed bare soil at anytime.
- Where temporary bare earth slopes surfaces are unavoidable they shall be protected with sheeting well-secured against the wind where slope are to temporarily exposed for more than two weeks temporary hard surface shall be provided and temporary shall be installed.

**FIRE SERVICES NOTES:**

- No F.S. equipment installation is required.

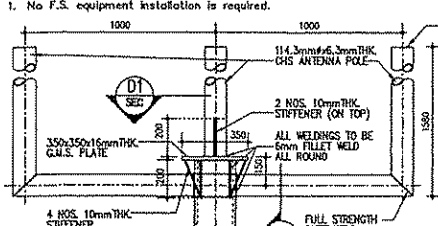
**NOTES FOR AGRICULTURE, FISHERIES & CONSERVATION**

- All antenna poles should be painted in Pontone 4624, BS10825 or similar subdue colour up completion of the project to match with the surrounding environment.
- All temporarily disturbed area should be reinstated back to their original status with hydroseeding of grasses and for re-vegetation planting.

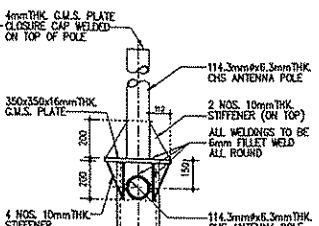


**MOUNTING LAYOUT OF EQUIPMENT CABINET ON STEEL CHANNEL FRAMES**

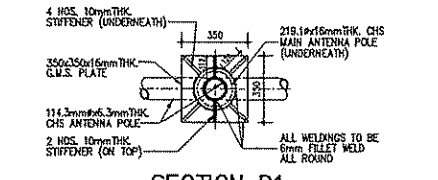
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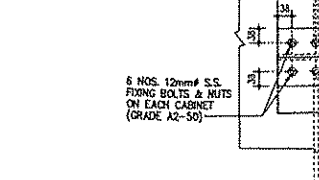
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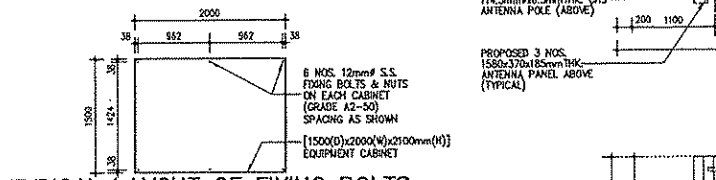
SCALE: 1:20



SCALE: 1:20

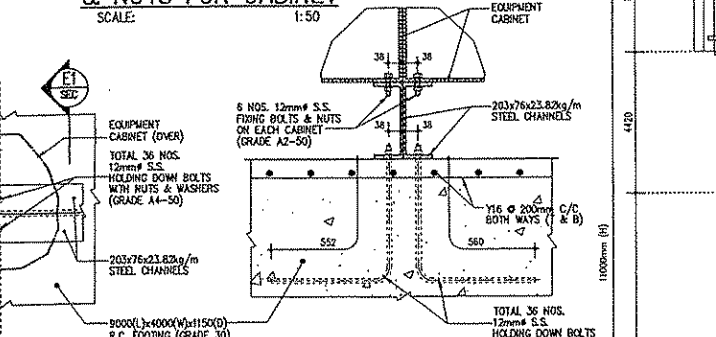


SCALE: 1:10

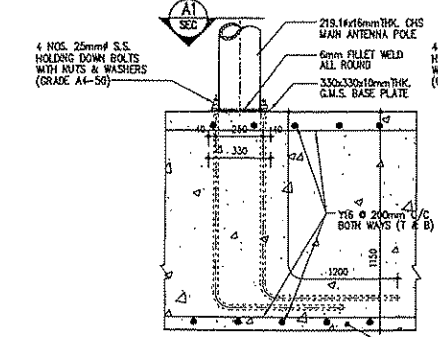


**TYPICAL LAYOUT OF FIXING BOLTS & NUTS FOR CABINET**

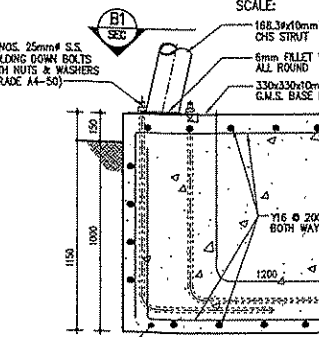
SCALE: 1:50



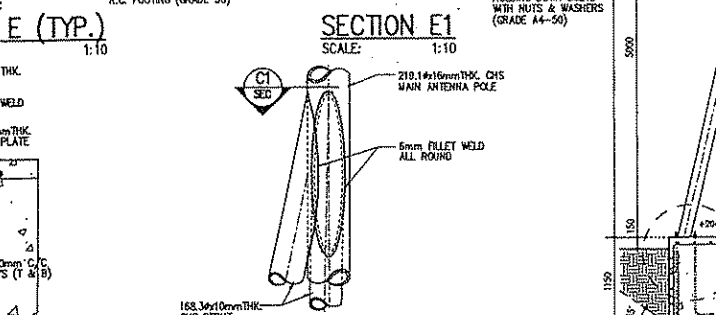
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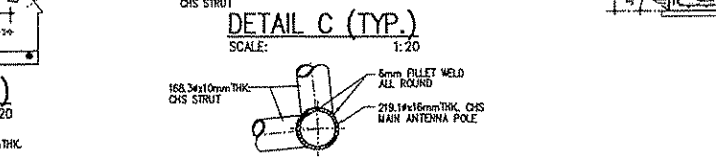
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SCALE: 1:20



SCALE: 1:20



SCALE: 1:20

**COMPACTION :**

- 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 <sup>2</sup>	3
	100 - 500m <sup>2</sup>	2 for each 100m or part thereof
	Exceeding 500m <sup>2</sup>	1 for each 100m or part thereof

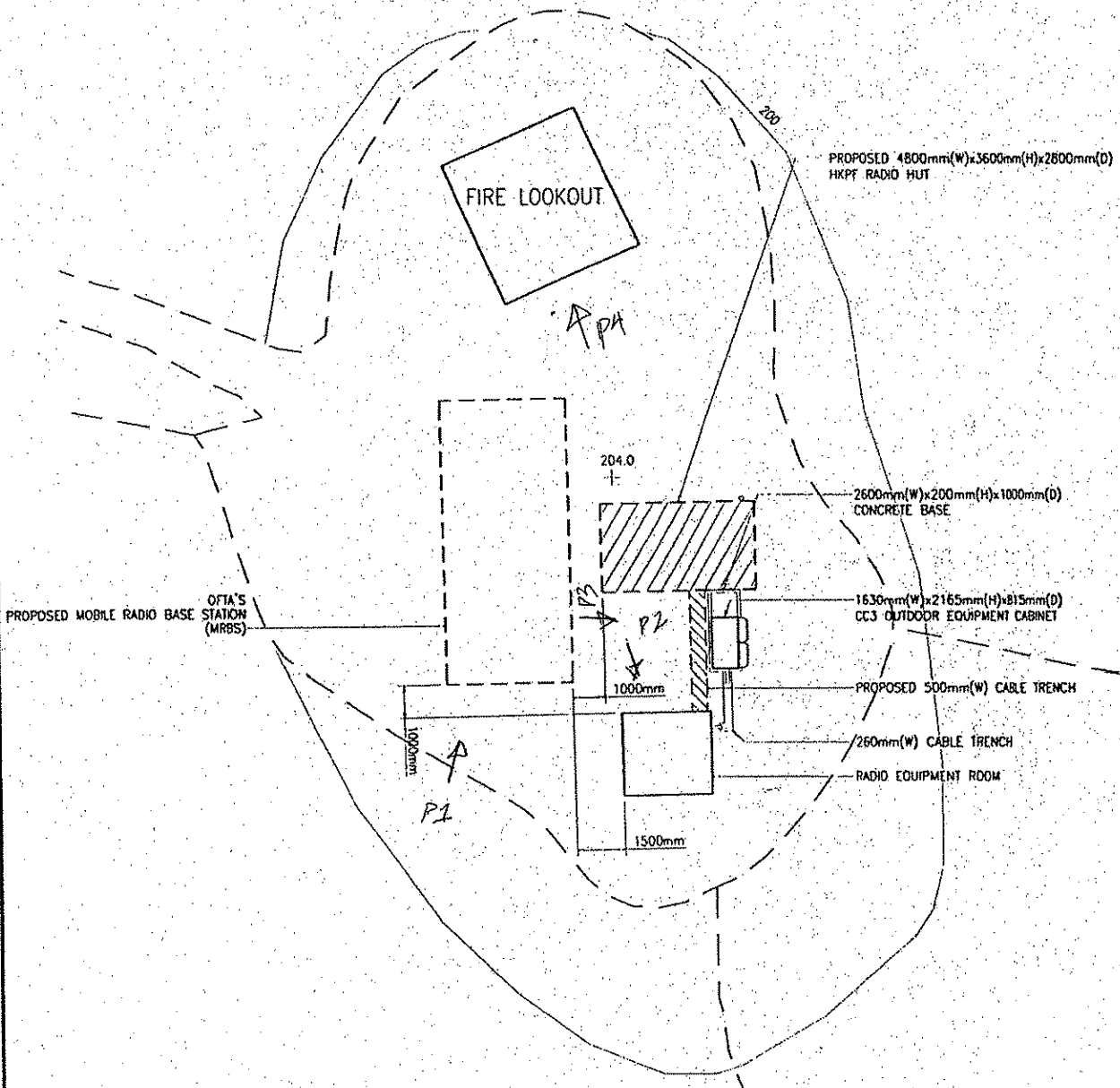
A Batch of fill material is any quantity of fill material of the same type and has similar properties throughout

**FOUND**

9000mm



ANNEX 3



Legend

A P1 - picture no and taken direction

TITLE: Site Photo Location plan at Shek Pik Fire Lookout

SCALE: 1:200

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

DRAWING. NO.:

ISSUE:

DATE:

3 DRAWN BY TO2

UNIT: m

SCALE: 1:200





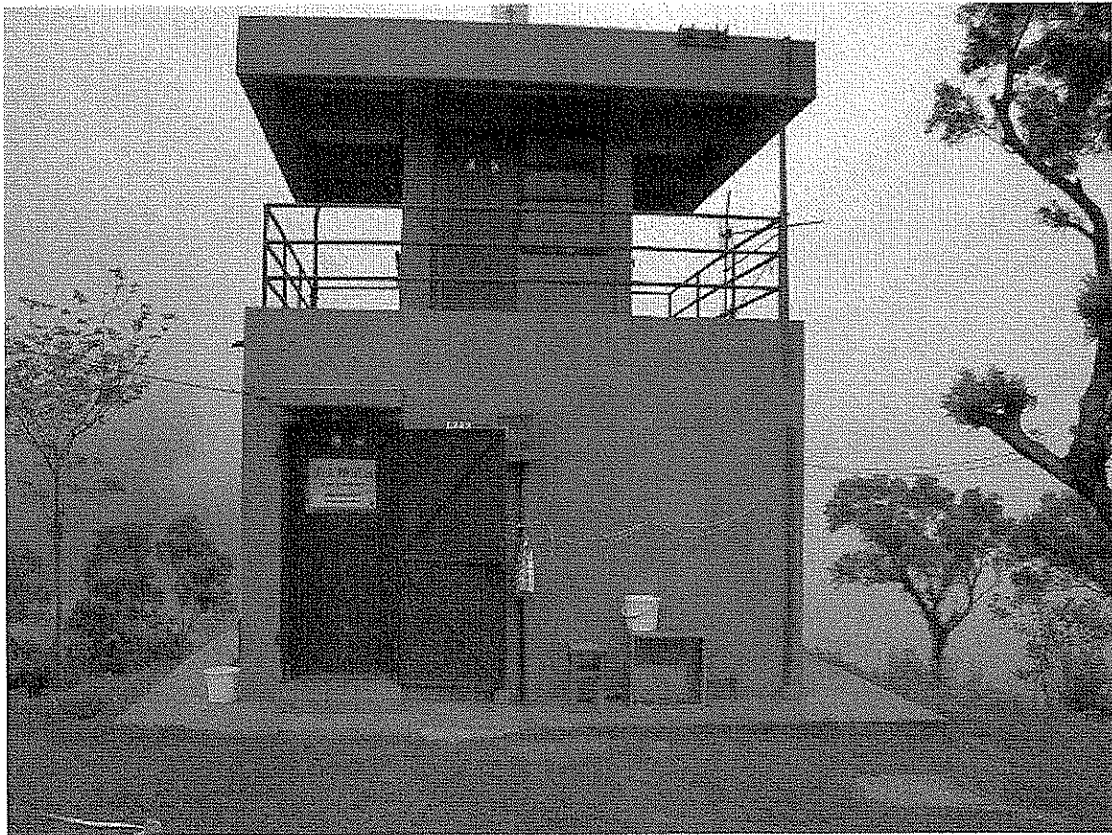
**Picture 1: Location of the Integrated Mobile Phone Base Station**



**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**

**Appendix IV**  
**Buildings Department Approval Letter dated**  
**08.02.2007**



YOUR REF 來函檔號：  
OUR REF 本署檔號：  
FAX 圖文傳真：  
TEL 電話：  
www.bd.gov.hk

BD 2/9179/06  
2845 1559  
2626 1278

B1778

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.

2. 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.

3. 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.

4. 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.

5. 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.

Yours sincerely,

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

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

PROPOSAL

BUILDING DIVISION		Project Section
Date Rec'd 13-02-07		
Project Manager DW		
TN		CL
DW	W	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<sup>#</sup> 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  
~~actual~~ then Sur. ( 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



MC/LYCC/CKW/ckw

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

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

From Director-General of Civil Aviation  
 Ref. (33) in AS/WKS/106 XXVI  
 Tel. No. 2183 1252 Fax. No. 2795 8469  
 Date 25 January 2007

To Chief Building Surveyor/NTE, BD  
 ( Attn.: Mr. YIM Yui-kee )  
 Your Ref. (6) in BD 2/9179/06  
 dated 15 December 2006  
 Your Fax. No. 2845 1559 TOTAL PAGES 1

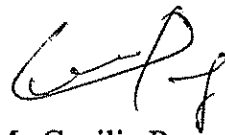
**Shek Pik Fire Lookout, Lantau Island – LNT 71/CGS/59(A)**

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)

R & D Section  
 BUILDINGS DEPARTMENT

2007 JAN 29 P 5:24

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