

**PROPOSED INSTALLATION
OF
INTEGRATED
MOBILE PHONE BASE STATION
AT YUEN NG FAN
SAI KUNG EAST COUNTRY PARK**

PROJECT PROFILE

HONG KONG CSL LIMITED

Prepared by : Prudential Surveyors Int'l Ltd

October 2004

Basic Information

Project Title

1. Proposed Installation of Integrated Mobile Phone Base Station at Yuen Ng Fan, Sai Kung East Country Park

Purpose and Nature of the Project

2. Since the Pat Sin Leng Hill Fire, an inter-department Investigation Team has recommended to encourage mobile phone operators to provide full coverage of their services in the countryside. The project is therefore a joint development of all the mobile phone operators with Government to improve the mobile phone coverage in order to provide alternative communication means to the visitors in country park.

Name of Project Proponent

3. Hong Kong CSL Limited

Location and Scale of the Project

4. The integrated mobile phone base station is proposed to be built on Yuen Ng Fan as shown on the location plan at Appendix 1. It will occupy an area of 82.5 square metres [11m (l) x 7.5m (w)]. There will be fences surrounding the base station in which seven mobile phone equipments, two aerial poles of 10 metres high and two small cabinets of 1 metre high for public utilities will be erected.
5. Country and Marine Parks Authority have agreed to the establishment of an integrated mobile phone base station at the proposed location. The relevant project leader, namely Hong Kong CSL Limited has accepted District Land Office offer of a Short Term Tenancy (STT No.SX2808 D.D.262) (Please refers to Appendix 2 for reference).

6. Public utilities such as electricity supply and telecommunication lines will be installed for the integrated mobile phone base station.
7. 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 surrounding. Other alternatives have also been considered. However, the other locations would either provide inferior radio coverage or have more impact on the environment especially the laying of power and telephone facilities for the operation of the Integrated Mobile Phone Base Station.

Number and Types of Designated to be Covered

8. The project involves an integrated mobile phone base station to be installed at the proposed location as shown in Appendix 1. 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

9. The contact person for this project is Mr. Terence Lee of Hong Kong CSL Limited, telephone number 2888 3655 and facsimile number 2962 5144.

Outline of Planning and Implementation Programme

Planning and Implementation

10. The project is planned by Hong Kong CSL Limited and there will be a total of fifteen mobile phone networks to be installed at the proposed location.
11. Upon the grant of short term tenancy and environmental permit by the District Lands Office and Environmental Protection Department respectively, the project leader, CSL, will start and complete the construction work in accordance with work schedule.

Work Schedule

12. The construction work including the equipment and antennas installation is proposed to be commenced in January 2005 and to be completed in mid-March 2005. It is proposed that the mobile phone station will be put into operation in April 2005. The proposed work schedule is given at Appendix 3.

Possible Impact on the Environment

Construction Impacts

13. The landscape and visual impact during construction and after completion of work is considered and addressed in item no. 23.
14. Noise emission during the construction and on completion of the projects is considered to be minimal and addressed in item no. 24.
15. Disposal of waste including some surplus construction material and some general refuse is considered minimal and addressed in item no. 25.
16. Dust impact from construction activities is considered to be minimal and is addressed in item no. 26.
17. Earthworks operation is not required as the excavation depth is less than 600mm and there will be no blasting operation.
18. Nighttime work is not required for the construction of the projects.
19. No ecological impact is anticipated during the construction and on completion of the project.

Operational Impacts

20. In order to reduce the visual intrusion, the proposed site is situated away from prominent roadside and virgin hilltops. For the tree felling works, the proponent (Hong Kong CSL Limited) will follow the following guidelines:
 - (a) irreplaceable rare tree species will not be cut;
 - (b) tree felling, if any, will not cause serious environment impact;
 - (c) all tree felling works are of genuine development need; and
 - (d) compensatory planting, to the satisfaction of Country and Marine Parks Authority will be undertaken (to comply with the special condition in the Short Term Tenancy (STT No.SX2808 D.D.262).

As there is no tree in the proposed area, no tree felling is necessary.

21. Completion of the Integrated Mobile Phone Base Station will not cause any significant change to the environment. The site layout plan, isometric view of site and photographs are shown in Appendix 4 to illustrate the appearance of the Integrated Mobile Base Station.

Major Elements of the Surrounding Environment

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

Countryside setting

The proposed site is situated on top of a hill and away from the picnic area of the Country Park. Adjacent to the East of the site is a footpath leading to top of the hill. To the South-East of the site at about 80 metres away there is a small hostel comprise of two low-rise buildings. At approx. 100metres to the South is a police post. There is no existing or planned noise sensitive receiver located in the surrounding environment. Furthermore, no ecological sensitive receiver or heritage sensitive receiver is located in the surrounding environment. There is only one radiation monitoring station at about 30 metres away to the East of the site. Therefore, the installation will not affect the present setting of the Countrypark.

Surrounding by grass, scrub and bush

The site is surrounded by grass, scrub and bush in the proposed site area which are 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

23. The site layout and building design was planned with the comments of Country and Marine Park Authority incorporated. In order to further avoid the visual impact of the station, the equipment and the antenna pole will be painted in subdued colour to match the surroundings.
24. Although noise impact is anticipated to be minimal during the construction, construction activities will be carried out in daytime as far as possible (9:00-19:00). Since there will be hikers enjoying their recreational activities in the Country Park at the weekend and public holidays, no construction work will be scheduled on Saturday, Sunday and public holidays in order to minimize the impact on the hikers.
25. The sites will be screened by temporary hoarding during construction. The waste materials will be stockpiled inside the site area and will be removed off site as soon as possible.
26. The site will be completely watered down to minimize any dust that may be generated during the construction stage.
27. 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.
28. 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 of human activities, e.g. BBQ area and area for inhabitation. Furthermore, the location of the emitter of the station is at least 10 metres above the human head pointing away from the inhabitation. In this case, the non-ionizing radiation has no significant impact on the public.

29 The Integrated Mobile Base Station will be cleaned and painted every year if necessary to maintain the good condition of the site. 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

Appendix 1	Site Location Plan
Appendix 2	Provisional Plan from District Lands Office
Appendix 3	Proposed Work Schedule
Appendix 4	Site Layout Plan, Isometric View Plan and Site Photo

Appendix 1

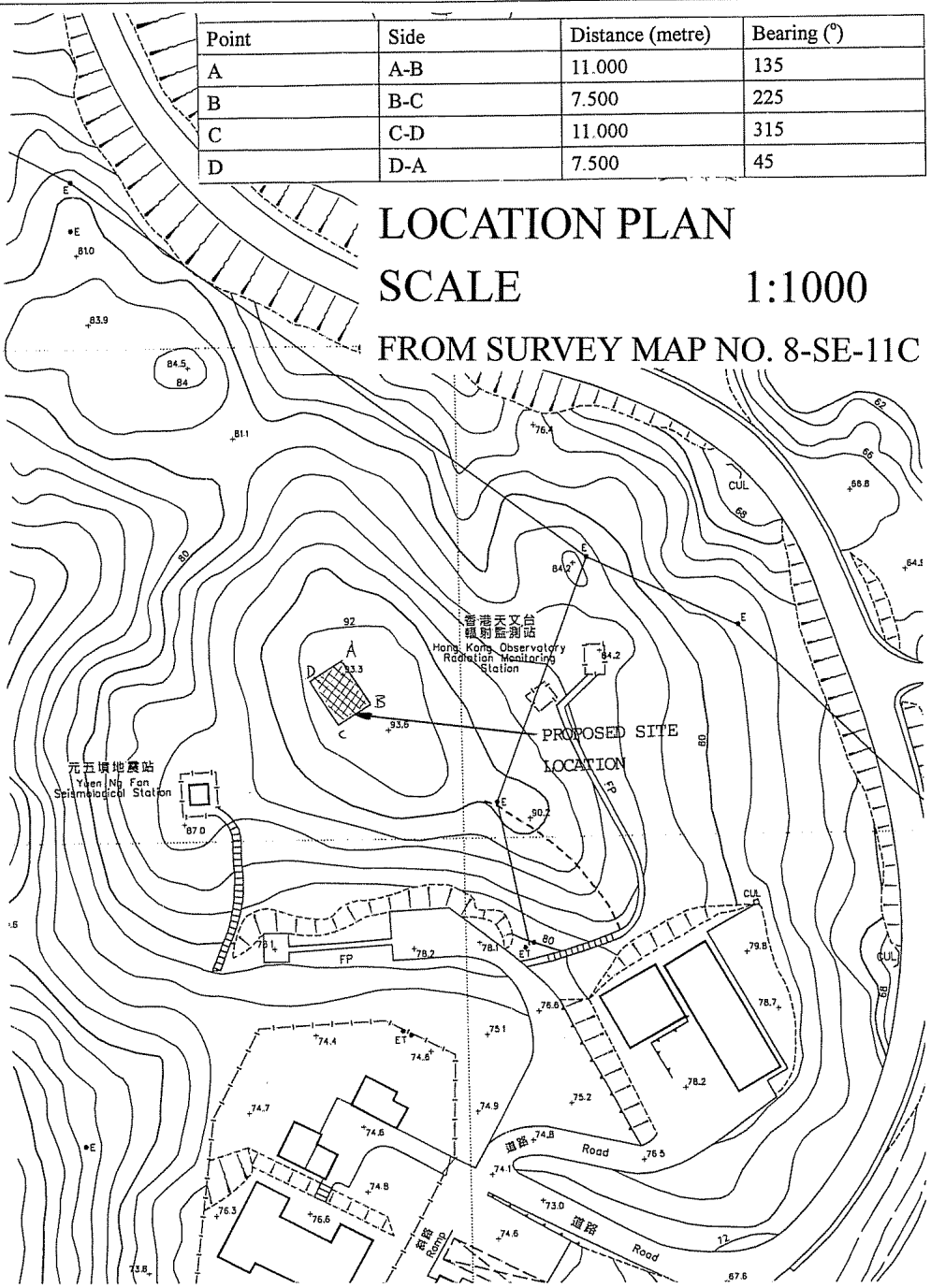
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B	B-C	7.500	225
C	C-D	11.000	315
D	D-A	7.500	45

LOCATION PLAN

SCALE

1:1000

FROM SURVEY MAP NO. 8-SE-11C



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PRUDENTIAL SURVEYORS (H.K.) LTD.
TEL. 25078333 FAX 25966276

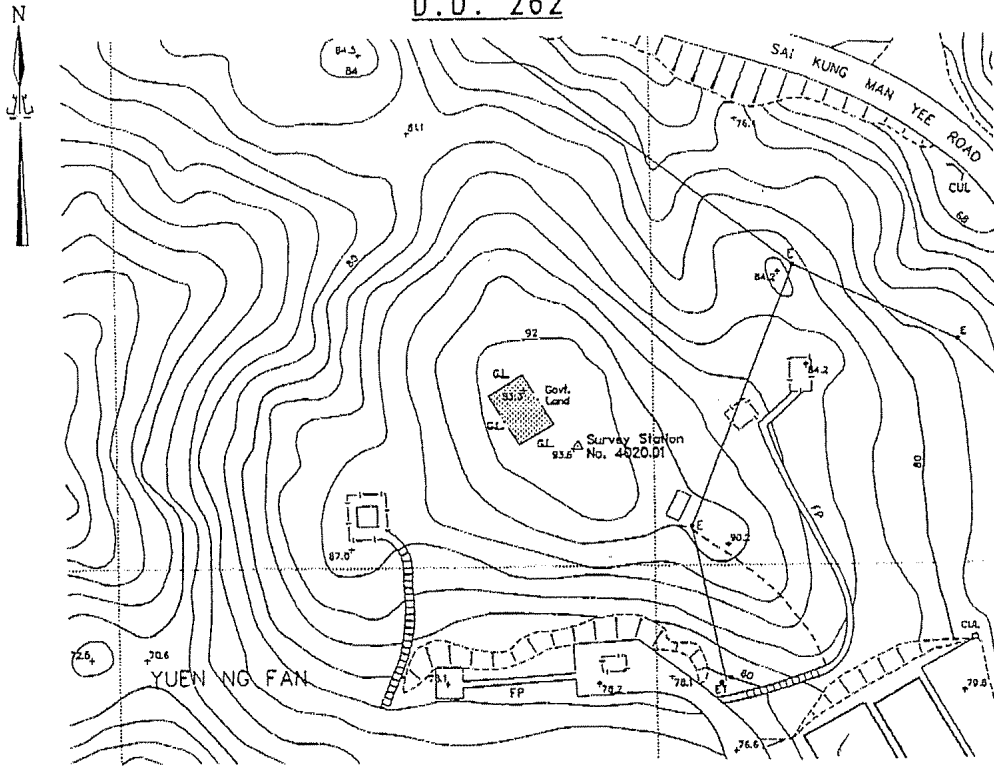
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[CSL] SL

PROJECT TITLE:
PROPOSED INSTALLATION OF MOBILE PHONE
BASE STATION AT YUEN NG FAN,
SAI KUNG EAST COUNTRY PARK

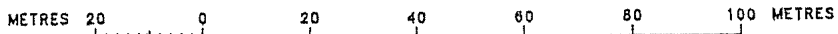
DRAWING TITLE:
LOCATION PLAN

Appendix 2

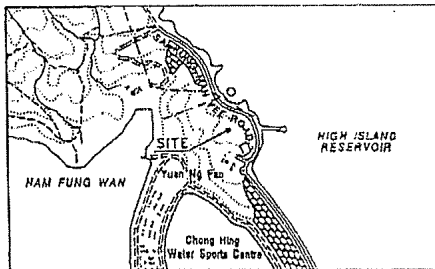
D.D. 262



SCALE 1 : 1000



LOCATION



SCALE 1 : 20000

Prop. S.T.T. site
Area 82.5 m² (about)
(Pink)

PROVISIONAL PLAN - SUBJECT TO SURVEY



District Lands Office, Sal Kung
Lands Department

Plan Prepared by District Survey Office, Sai-Kung

File No. L/M(1) TO DLO/SK SX2808

Survey Sheet No. 8-SE-11C

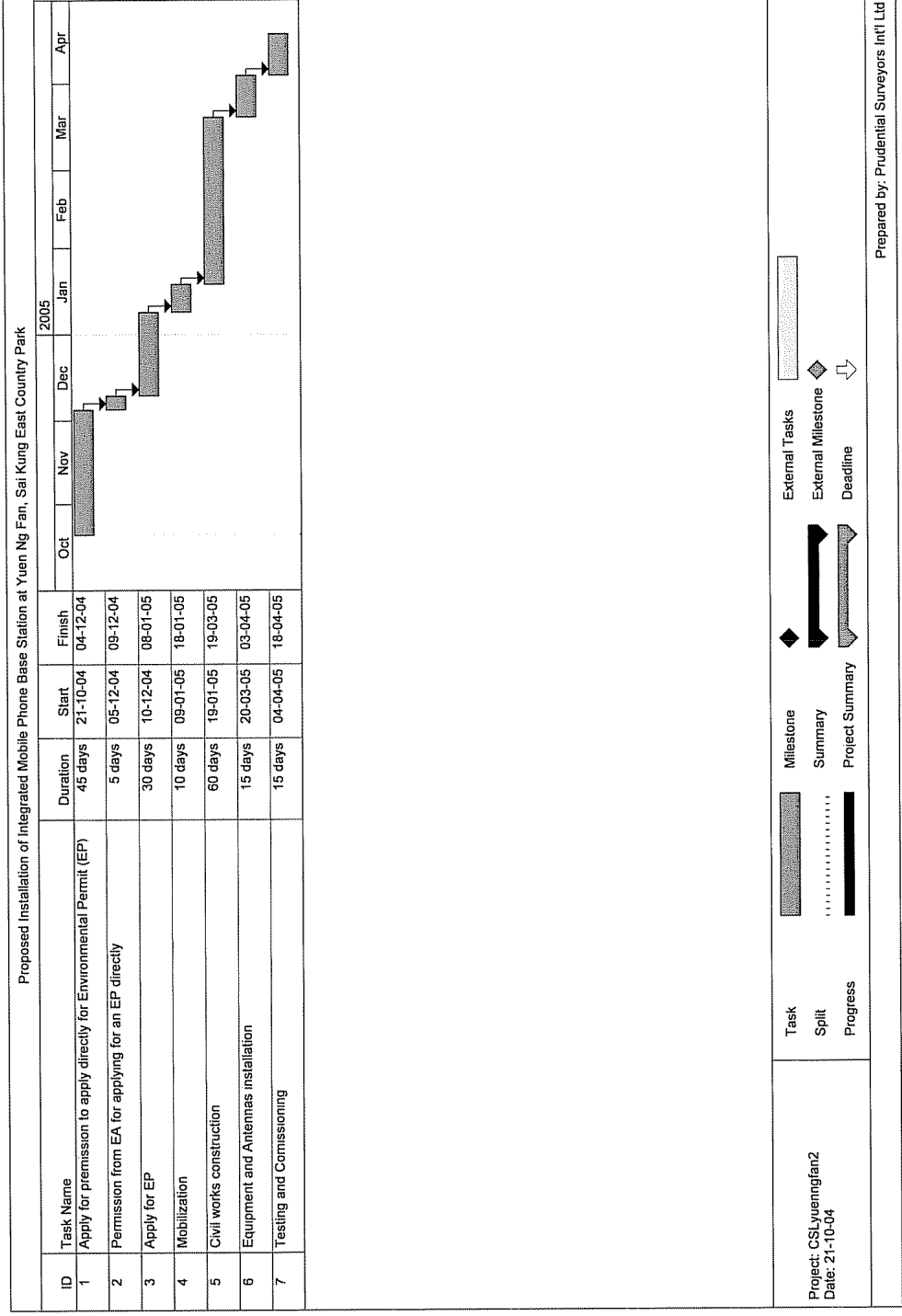
Layout Plan No. -----

Reference Plan No. -----

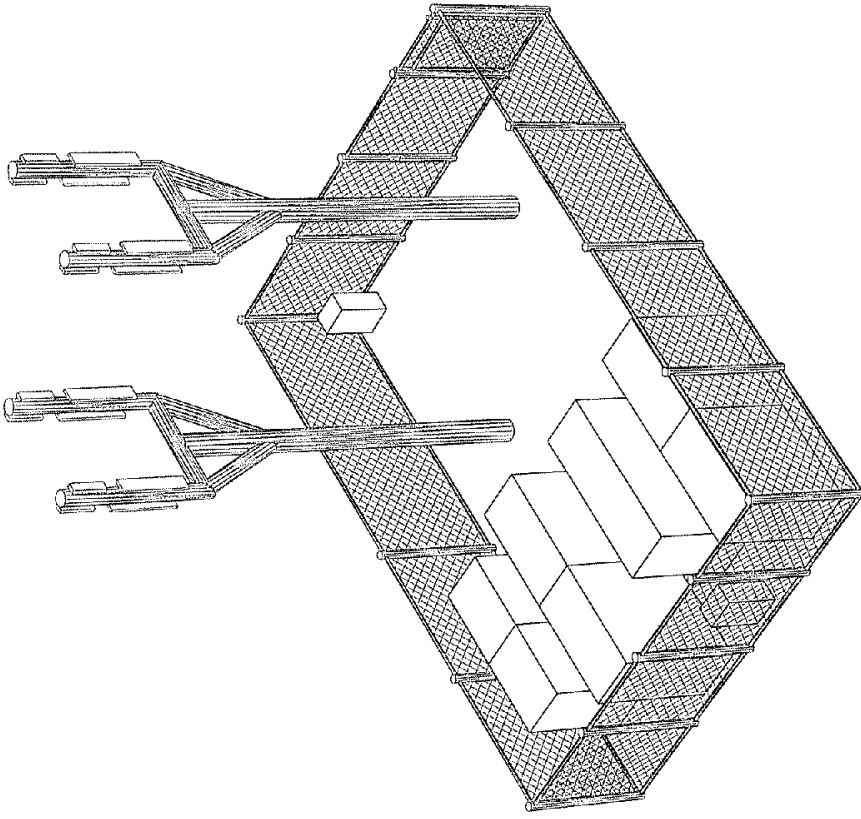
PLAN No. SK7096--Ca

Date : 16/04/20

Appendix 3

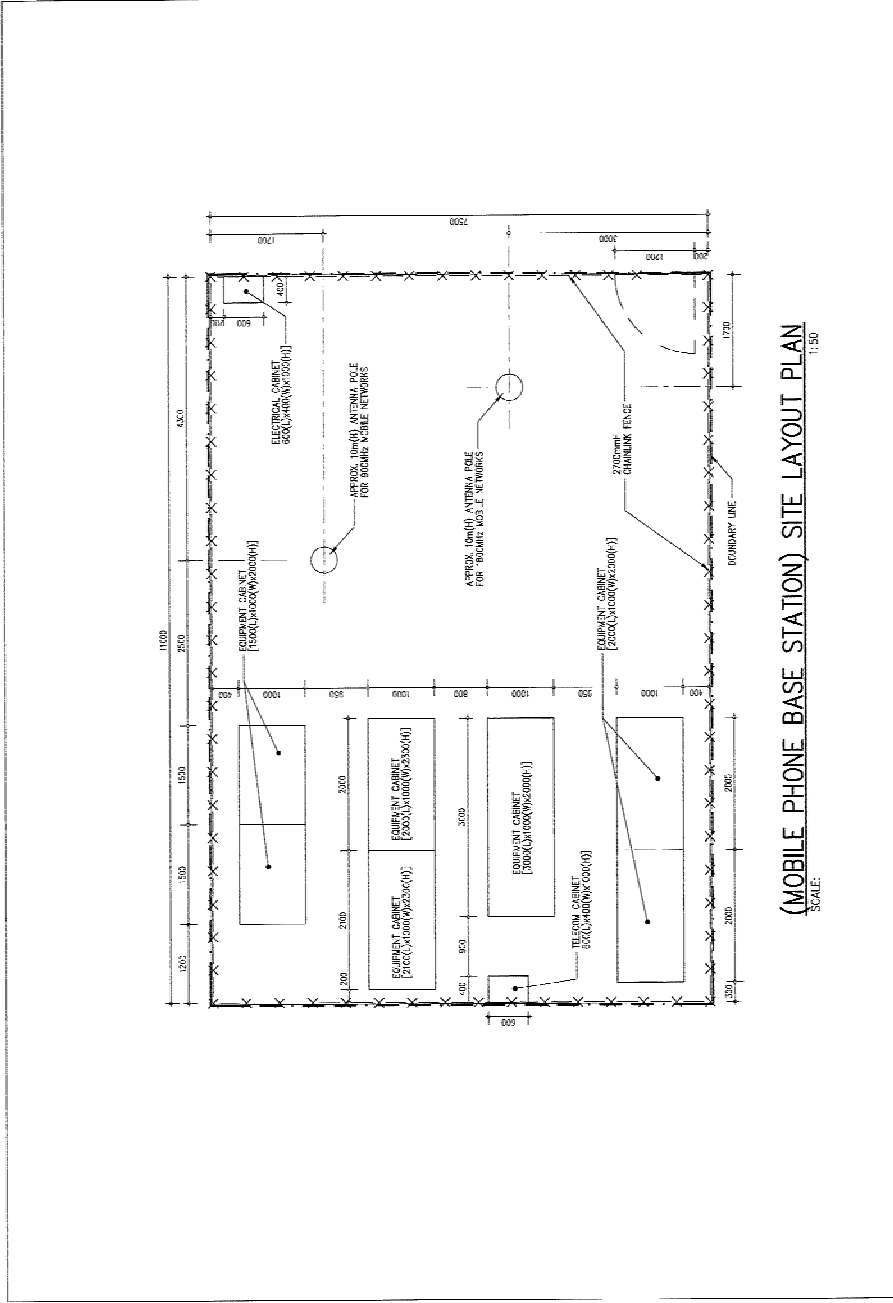


Appendix 4



(MOBILE PHONE BASE STATION) ISOMETRIC VIEW

 ENVIRONMENTAL ENGINEERING LIMITED 100, QUEEN'S ROAD HONG KONG	 PE	 PS	PROJECT TITLE PROPOSED INSTALLATION OF MOBILE PHONE BASE STATION AT 'YEH NG FAN', SAN KUNG EAST COUNTRY PARK	DRAWING TITLE ISOMETRIC VIEW	DRAWING NO. S1
					DATE 6/7/04



(MOBILE PHONE BASE STATION) SITE LAYOUT PLAN
SCALE: 1:50

<p>ENVIRONMENTAL SURVEYS & INVESTIGATIONS LTD. 17, JEFFERSON ROAD, SINGAPORE 151956</p>	<p>SET SPECIALIST ENGINEERING TECHNOLOGISTS</p>	<p>PROJECT TITLE: PROPOSED INSTALLATION OF MOBILE PHONE BASE STATION AT 'HUN NG FAN' SAI KUNG EAST COUNTRY PARK</p>	<p>DRAWN TITLE: SITE LAYOUT PLAN</p>	<p>DATE: 07/05/04</p>	<p>NO. IN SHEET: 52</p>
				<p>DATE: 07/05/04</p>	<p>NO. IN SHEET: 52</p>

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YUEN NG FAN, SAI KUNG EAST COUNTRY PARK



PHOTO 1 GENERAL VIEW OF THE PROPOSED SITE