PCS Cell Sito et Waikiki Gateway Hotel DEPARTMENT OF LAND UTILIZATION

CITY AND COUNTY OF HONOLULU

650 SOUTH KING STREET, 7TH FLOOR + HONOLULU, HAWAII 96813 PHONE: (808) 523-4414 + FAX: (808) 527-6743

RECEIVED

UALITY CONTROL



'96 AUG 30 A7:57

LORETTA K.C. CHEE DEPUTY DIRECTOR 96/ED-004 (DT) 96-05187

PATRICK T. ONISHI

August 28, 1996

The Honorable Gary Gill, Director Office of Environmental Quality Control 220 South King Street, 4th Floor State of Hawaii Honolulu, Hawaii 96813

Dear Mr. Gill:

JEREMY HARRIS MAYOR

> CHAPTER 343, HRS Environmental Assessment/Determination \_\_\_\_\_Finding of No Significant Impact

Recorded Owner	:	Tenn Hilda B Trust and Tenn Chong Hing Trust
Applicant Agent Location	::	DCR Communications, Inc. Kusao & Kurahashi, Inc. 376 Olohana Street and 2070 Kalakaua Avenue, Waikiki, Oahu
Tax Map Keys Request	:	2-6-16: 30 and 65 Zoning Variance within the Waikiki Special District
Proposal	:	Install two equipment Cabinets and six panel antennas atop the Waikiki Gateway
Determination	:	Hotel A Finding of No Significant Impact is issued

Attached and incorporated by reference is the Final Environmental Assessment (FEA) prepared by the applicant for the project. Based on the significance criteria outlined in Chapter 200, State Administrative Rules, we have determined that preparation of an Environmental Impact Statement is not required.

112

The Honorable Gary Gill, Director Page 2

We have enclosed a completed OEQC Bulletin Publication Form and four copies of the FEA. If you have any questions, please contact Dana Teramoto of our staff at 523-4107.

Very truly yours,

PATRICK T. ONISHI Director of Land Utilization

•

113

. .

PTO:am Enclosures

g:fea96ed4.djt

SEP 23 1900

## 1996-10-23-OA-FEA-PCS Cell Lite at Waisiki gateway HILE COPY

'96 AUG 12 PM 4 29

FINAL ENVIRONMENTAL ASSESSMENTILIZATION

## PCS CELL SITE AT WAIKIKI GATEWAY HOTEL WAIKIKI SITE (T-04B) 2070 Kalakaua Avenue, Waikiki, Oahu, Hawaii Tax Map Key: 2-6-16: 65 and 30

DCR Communications, Inc. 2550 M. Street, NW, Suite 200 Washington, DC 20037

#### APPLICANT

Kusao & Kurahashi, Inc. Planning and Zoning Consultants 210 Ward Avenue, Suite 124 Honolulu, Hawaii 96814

AGENT

#### AUGUST 1996

. .

e na na ana ang pangang p

<u>Page</u>

#### TABLE OF CONTENTS

<b>I.</b>	<b>INTRODUCTION</b> 1	
	A. Recorded Fee Owners	
	B. Applicant 1	
·	C. Approving Agency	
	D. Agent	
	E. Tax Map Key	
	F. Location $\ldots$ 1	
	H. State Land Use 1	
	I. Development Plan	
	J. Zoning 3	
	K. Special District	
	L. Existing Use 3	
n.	PROPERTY DESCRIPTION	
	A. Location	
	B. Topography 3	
m.	TECHNICAL CHARACTERISTICS	
IV.	<b>BACKGROUND</b>	
v.	SOCIO-ECONOMIC CHARACTERISTICS	
	A. Existing Use and Surrounding Uses 7	
	B. Employment	
VI.	ENVIRONMENTAL CHARACTERISTICS	
VII.	AFFECTED ENVIRONMENT	

i

. .

1

.

VIII.	MAJOR IMPACTS CONSIDERED	AND	ALTERNATIVES	9
IX.	AGENCY COMMENTS		·. · • • • • • • • • • • • • • • •	10
X.	MITIGATION MEASURI	ES		10

-----

i

------

1

ii

.

and the second second

## LIST OF EXHIBITS

<u>Exhibit</u>	<u>Description</u>	age
1	Location Map	
2	Zoning Map	4

iii

• •

,

#### LIST OF APPENDICES

Appendix Description

1

I Site Plans

II List of Permitted Uses

III Photographs of the Site and Surrounding Area

iv

. .

#### FINAL ENVIRONMENTAL ASSESSMENT PCS CELL SITE AT THE WAIKIKI GATEWAY HOTEL WAIKIKI SITE (T-04B) 2070 Kalakaua Avenue, Waikiki, Oahu, Hawaii Tax Map Key: 2-6-16: 65 & 30

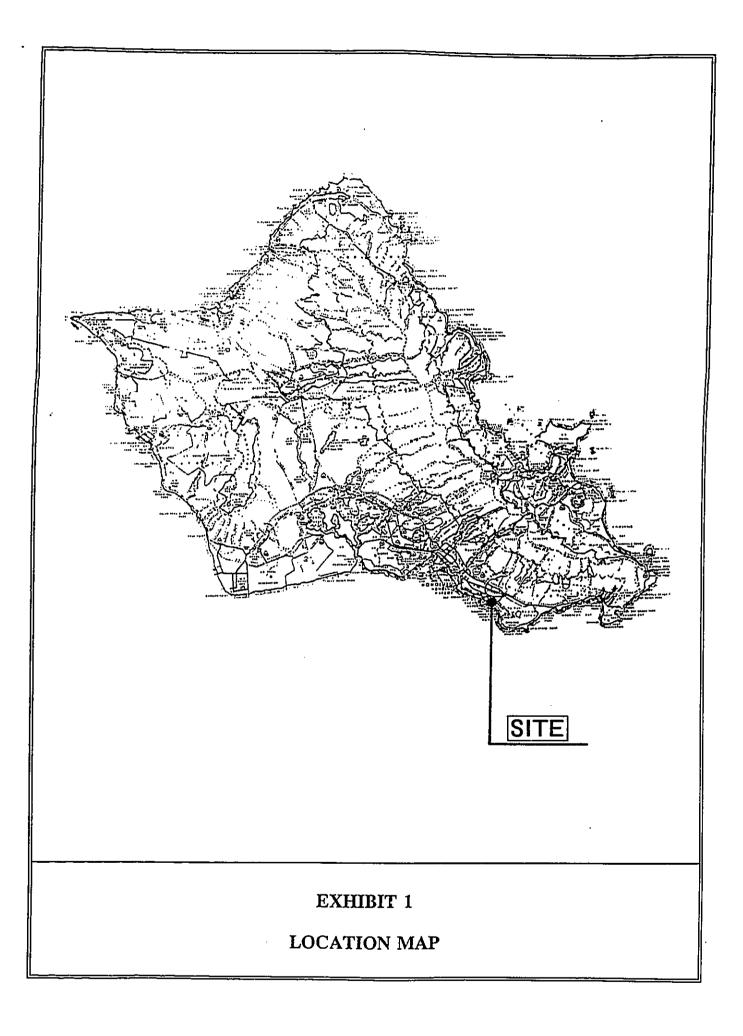
• .

#### I. INTRODUCTION

Α.	Recorded Fee Owners	:	Tenn Hilda B Trust Tenn Chong Hing Trust c/o Paul Luckfield, Trustee 3721 Kanaaina Avenue, #21B Honolulu, Hawaii 96815
В.	Applicant	:	DCR Communications, Inc. 2550 M. Street, NW, Suite 200 Washington, DC 20037 Douglas Logan, Project Manager
C.	Approving Agency	:	Department of Land Utilization
D.	Agent	:	Kusao & Kurahashi, Inc. Planning and Zoning Consultants 210 Ward Avenue, Suite 124 Honolulu, Hawaii 96814 Keith H. Kurahashi, President (808) 538-6652
E.	Tax Map Key	:	2-6-16: 65 & 30
F.	Location	:	2070 Kalakaua Avenue, Waikiki (Exhibit 1)
G.	Lot Area	:	16,339 sf
H.	State Land Use	:	Urban

. .

r



, .

te demonstrate des de la companya d

I.	Development Plan		
	Land Use Map	:	Resort Mixed Use
	Public Facilities Map	:	No improvements affecting this site
J.	Zoning	:	Resort Commercial Precinct (Exhibit 2)
K.	Special District	:	Waikiki Special District
L.	Existing Use	:	Waikiki Gateway Hotel

#### **II. PROPERTY DESCRIPTION**

A. Location

The subject property is located at 2070 Kalakaua Avenue and is bounded by Kuhio Avenue, Kalakaua Avenue and Olohana Street in Waikiki.

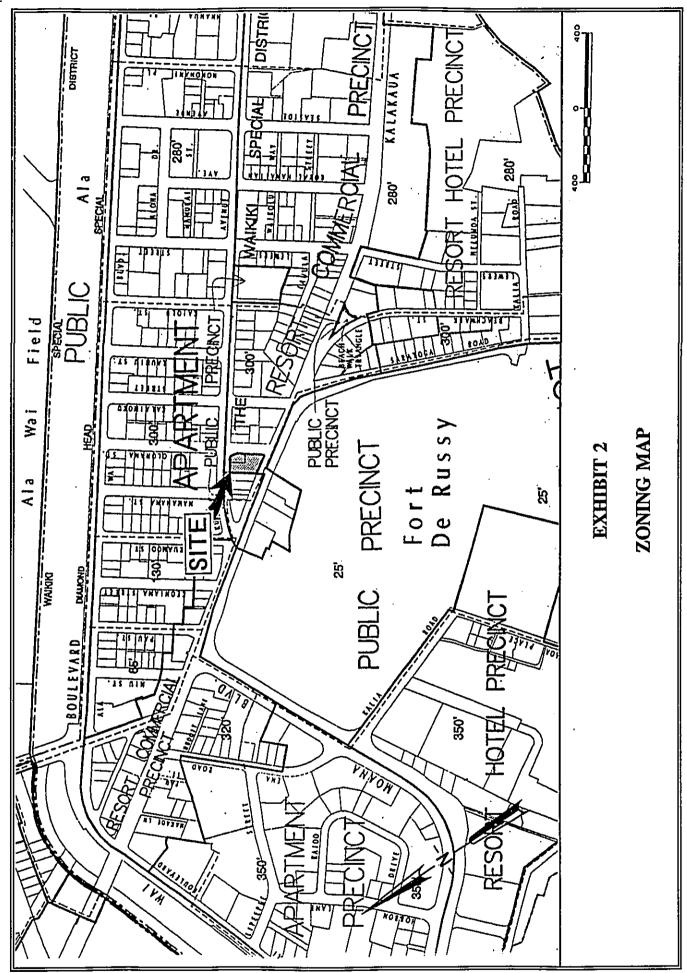
B. Topography

------

1

The subject site is level and rectangular in shape and is located in an urban setting.

. .



1

. .

## **III. TECHNICAL CHARACTERISTICS**

This environmental assessment was triggered by an application for a variance from Section 7.80-6 of the Land Use Ordinance (LUO) pertaining to permitted uses in the Resort Commercial Precinct of the Waikiki Special District. The proposed Utility Installation, Type B is not included in the list of permitted uses in this section of the LUO. The variance from Section 7.80-6 seeks relief from this use regulation which does not permit this utility installation in the Resort Commercial Precinct.

## IV. BACKGROUND

This parcel is bounded by Kuhio Avenue, Kalakaua Avenue and Olohana Street. The site is developed with a high-rise, hotel building called the Waikiki Gateway Hotel (Waikiki Gateway). The Waikiki Gateway is approximately 146'-0" feet in height, including the elevator/mechanical room on the roof. The applicant proposes to locate six panel antennas and

5

.

والمراجع و

two transmitter equipment cabinets on the elevator machine room roof (See Sheet 1, Plot Plan and Antenna Exclusion Zones).

The two transmitter equipment cabinets on the existing elevator machine room roof will be placed at the center of the roof on new concrete pavers and a mounting base (See Sheet 1, Roof Location Plan). Each cabinet will be approximately 4'-3" x 2'4" x 5'9" in size (See Sheet 7, Transmitter Equipment Layout Plan and Section).

The six panel antennas will be located on the roof parapet of the existing machine room (See Sheet 8, Elevation and Section of Antenna Attachment). Each of the six panel antennas will be approximately 4.4'-0" x 0'-6.5" x 0'-2.5" in size. These rectangular shaped panel antennas will weigh approximately 20 lbs. each. The finished height of each panel antenna (approximately 153') will be approximately 5'-3" above the existing parapet wall (See Sheets 3-6, Elevation Drawings).

Antennas 1A and 1B will be located on the Kuhio Avenue side of the building, approximately 10'-0" apart. Antenna 2A and 2B will be located on the side of the building fronting Olohana Street, approximately 10'-0" apart. The remaining two antennas, 3A and 3B will be located on the ewa

б

.

side of the building approximately 10'-0" apart (See Sheet 1, Plot Plan and Antenna Exclusion Zones).

## V. SOCIO-ECONOMIC CHARACTERISTICS

## A. Existing Use and Surrounding Uses

The site is occupied by an existing hotel, the Waikiki Gateway. It is situated in an urban setting surrounded by other hotel and apartment structures.

The site is bounded on its mauka side by the Maile Sky Court Hotel. On its ewa side, is the Waikiki Mini Park. In the makai direction, across Kalakaua Avenue, is the Kyoya Restaurant. And finally, in the Kokohead direction are a number of two-story shops.

#### B. Employment

------

1

There will be no change in the existing hotel operation or employees.

7

. .

## VI. ENVIRONMENTAL CHARACTERISTICS

The addition of six panel antennas and two transmitter equipment cabinets to this site will have negligible environmental impact on the building or the surrounding area. There would be no increase in the cubic content of the existing structure or the footprint (building area) since all improvements occur on the rooftop of the building.

The impacts from this use are minimal, being limited to visual impacts. The antennas will be of similar form and appearance as other roof top structures, such as vent pipes, fans, roof access stairwells, and structures housing utility equipment and machinery. Given the height and the antennas location on the roof top elevator mechanical room which is set back 4 to 5 feet from the edge of the main building and 30 feet from the property line, the antennas will not be visible from pedestrians and passengers in vehicles on the nearby streets. Access to the project site is restricted by a locked door to the roof.

8

•

and the second second

## VII. AFFECTED ENVIRONMENT

The affected environment is an urban area which is fully developed. There is no endangered flora, fauna or significant habitats in this urban area. Since the area is fully developed and no additional site work will be done on the subject lot, the project will not impact on historical/archaeological and cultural sites.

The Ala Wai Canal is located approximately 550 feet mauka (north) of the subject lot. The Pacific Ocean (Fort DeRussy Beach) is located approximately 2,150 feet makai (south) of the subject lot. The project will not have any effect on these two bodies of water.

## VIII. MAJOR IMPACTS AND ALTERNATIVES CONSIDERED

As discussed throughout this report, the construction of six panel antennas and two transmitter equipment cabinets will have negligible impact on the building or the surrounding area. The antennas will be of similar form and appearance as other roof top structures, such as vent pipes, fans,

9

.

.

-----

roof access stairwells, and structures housing utility equipment and machinery.

The only other alternative considered was a no action alternative which would cause DCR Communications, Inc. difficulties with reception of personal communication in a very densely occupied and heavily utilized urban area. This alternative is not acceptable, particularly in light of the minimal impact that the proposed antennas would have on the surrounding area.

#### IX. AGENCY COMMENTS

No agency comments received by the applicant or the Department of Land Utilization regarding this project.

## X. MITIGATION MEASURES

Since impacts of the proposed antenna additions on the rooftop of this existing hotel are negligible, no mitigation measures are planned.

10

. .

,

## APPENDIX I

## SITE PLANS

. .

a terreter and a second se

1

• • • • • • • • • •

	D	CR HONOLULU PCS PROJECT
		SITE T-04B WAIKIKI 4
		PROJECT NO. 3HUO106
	INDEX OF DRAWINGS	PROJECT SUMMARY
SHEET	DESCRIPTION	THIS PROJECT INCLUDES:
NO.	INDEX OF DRAWINGS, SYMBOLS & ABBREVIATIONS,	INSTALLATION OF BASE TRANSCEIVER STATION (BTS) MOUNTED ON THE ROOF OF THE ELEVATOR MACHINE ROOM
T-1	PROJECT SUMMARY AND VICINITY MAP PLOT PLAN AND ANTENNA EXCLUSION ZONES	INSTALLATION OF 3 PAIRS OF ANTENNAS ATTACHED TO THE CONCRETE
1	ROOF LOCATION PLAN	WALLS OF THE ELEVATOR MACHINE ROOM. INSTALLATION OF COAXIAL CABLE RUNS BETWEEN THE BTS AND ANTENNAS
- 2	BUILDING ELEVATIONS WITH ANTENNA LOCATIONS	THE BTS AND TELEPHONE ROOM
3	BUILDING ELEVATIONS WITH ANTENNA LOCATIONS	NEW TELEPHONE SERVICE RON BETWEEN THE BIG AND CONCRETE LANDINGS IN THE BASEMENT OF THE BUILDING. CORE THROUGH CONCRETE LANDINGS AT THE STAIR WELL FROM ROOF TO BASEMENT. INSTALL CONDUIT AND
4	BUILDING ELEVATIONS WITH ANTENNA LOCATIONS	NEW 100A ELECTRICAL SERVICE BETWEEN THE BTS AND ELECTRIC UTILITY
5	BUILDING ELEVATIONS WITH ANTENNA LOCATIONS	NEW 10DA ELECTRICAL SERVICE BETWEEN THE DIS AND ELEDINGS AT THE ROOM IN THE BASEMENT. CORE THROUGH CONCRETE LANDINGS AT THE STAIR WELL FROM ROOF TO BASEMENT. INSTALL CONDUIT AND WIRING.
6	TRANSMITTER EQUIPMENT PLAN AND SECTION	PROVIDE GROUNDING OF ANTENNAS AND BTS.
7		-
8	ANTENNA AND WAVEGUIDE DETAILS	-
9	GENERAL NOTES & ANTENNA AND COAXIAL CABLE SCHEDULE	
	YMBOLS & ABBREVIATIONS	
S	AWROLZ & APPLEANLIGUE	
	PROPERTY LINE DETAIL NO. SHET NO.	
	GROUND WIRE	
1	A ANTENNA MARK W/ WITH	
	CENTERLINE CENTERLINE	
(	E) EXISTING	
	N) NEW	
ĩ L		

•

.

FILE: T04B-T.DWG PLOT: 1 = 1

1

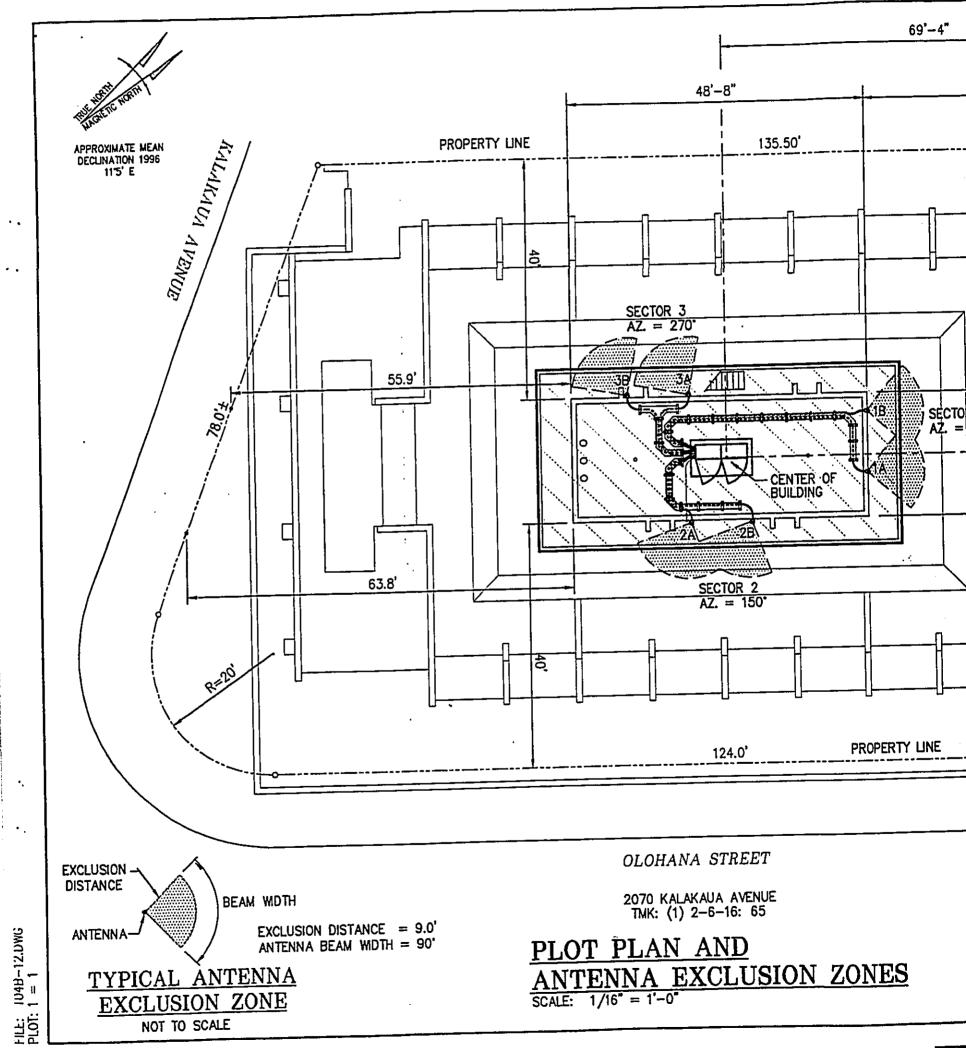
۰.

۰.

#### DCR PROJECT ľ COMMUNICATIONS, INC. IKIKI 4 HONOLULU, HAWAII 0106 SHIMO VICINITY MAP MARY NAN CUNU. ション LICENSED PROFESSIONAL IOLA, ENGINEER 82 × (BTS) MOUNTED ON THE NO. 3906-S ALA W LALA Y AWAII SC CHED TO THE CONCRETE OWVNX Z, THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION. EN THE BTS AND ANTENNAS. 0 **3TS AND TELEPHONE ROOM** HROUGH CONCRETE LANDINGS มีรรา F. INSTALL CONDUIT AND KSF, INC. KINGS ALLEY KURODA BAR ž HELUMOA HELUMOA SITE NAME: SITE NO .: BTS AND ELECTRIC UTILITY Ē WAIKIKI 4 NCRETE LANDINGS AT THE T-04B BEACH CTR UL CONDUIT AND WRING. AIK 77 U'S ARMY XALIA RD CANOES ADDRESS: GRAY S WAIKIKI GATEWAY HOTEL OKU DE RUSST BEACH PARK 2070 KALAKAUA AVENUE e<sup>v</sup>or ·•• / 3 HONOLULU, HAWAII 96815 11- --2 . . . TMK: (1) 2-6-16 : 65 INDEX OF DRAWINGS, SYMBOLS & ABBREVIATIONS, PROJECT SUMMARY AND VICINITY MAP OWNER APPROVAL DATE 5/3/96 ISSUED FOR ZONING OWNER REPRESENTATIVE ⋒ MAY 3, 1996 Date AS SHOWN Scale REVIEWED BY: VTY Drawn Proj. No. RF ENGINEERING DAIL SHEET **T-1** DATE CONSTRUCTION Sheets Of \_

·

•



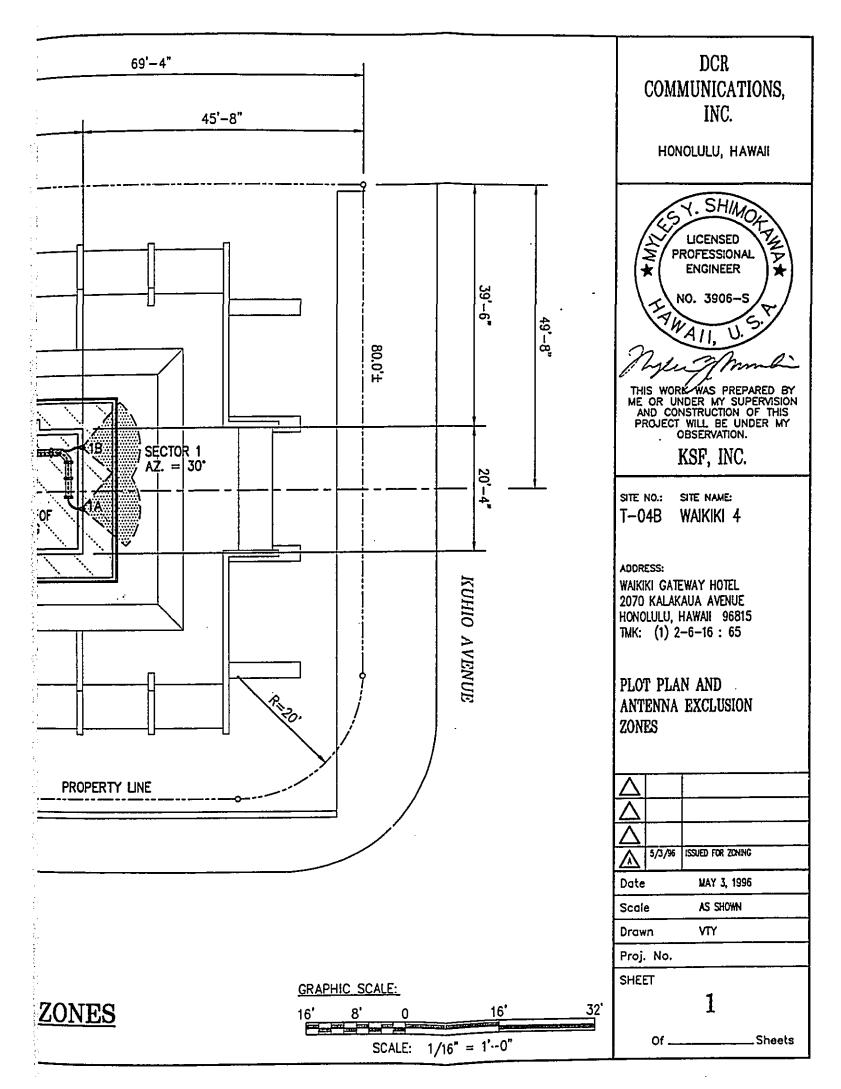
٠

.

٠

------

,



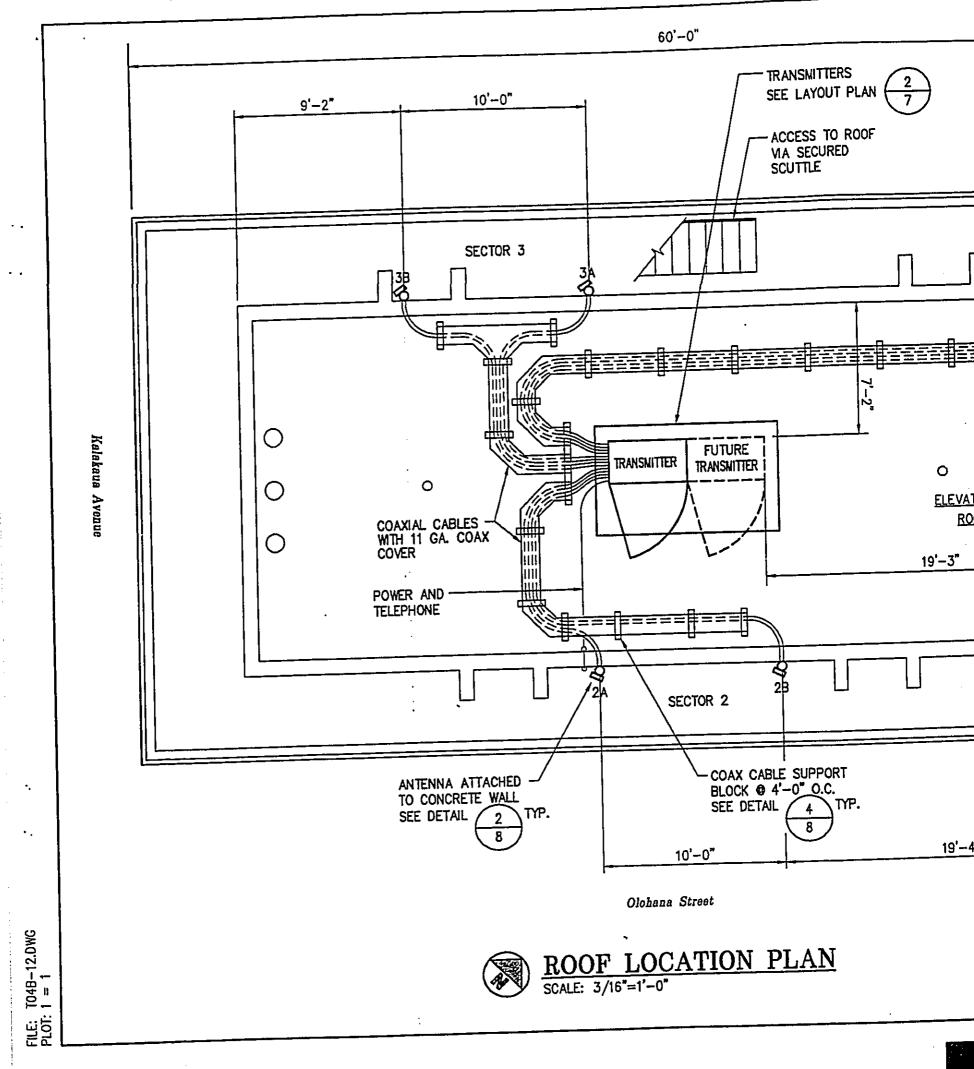
. .

1

. . . .

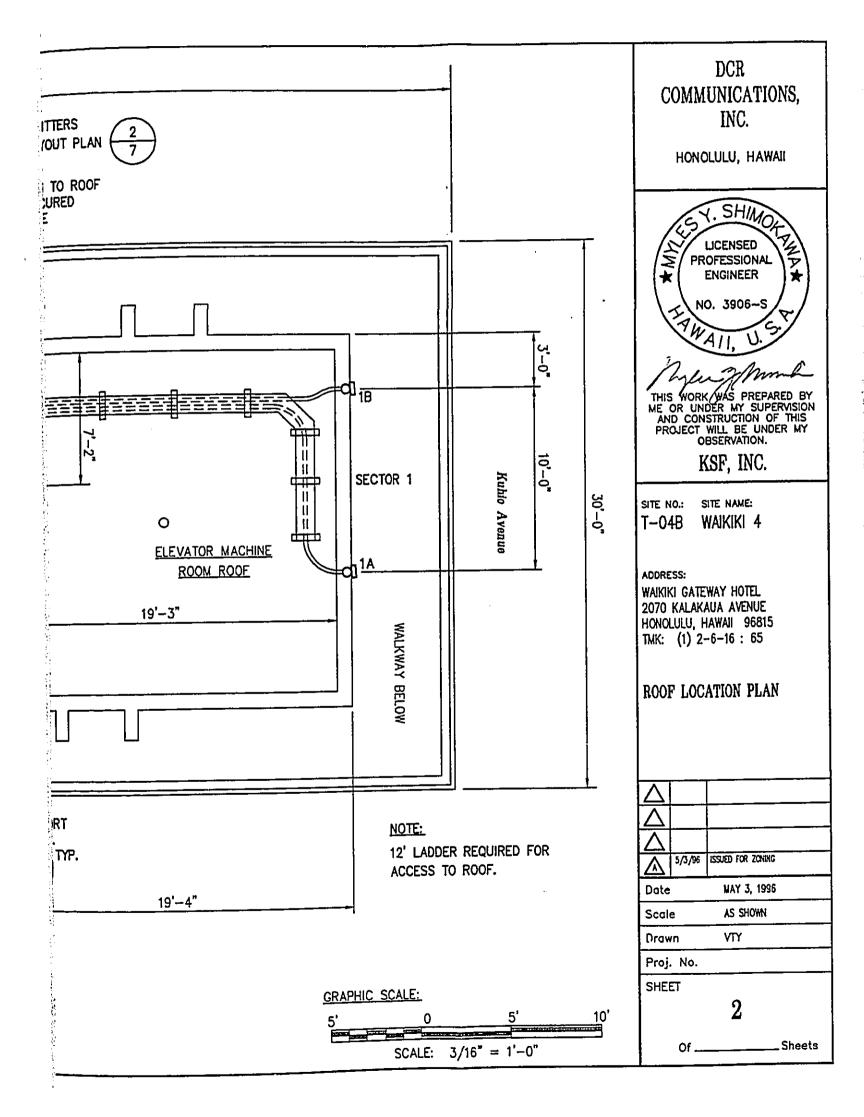
· · · · ·

.

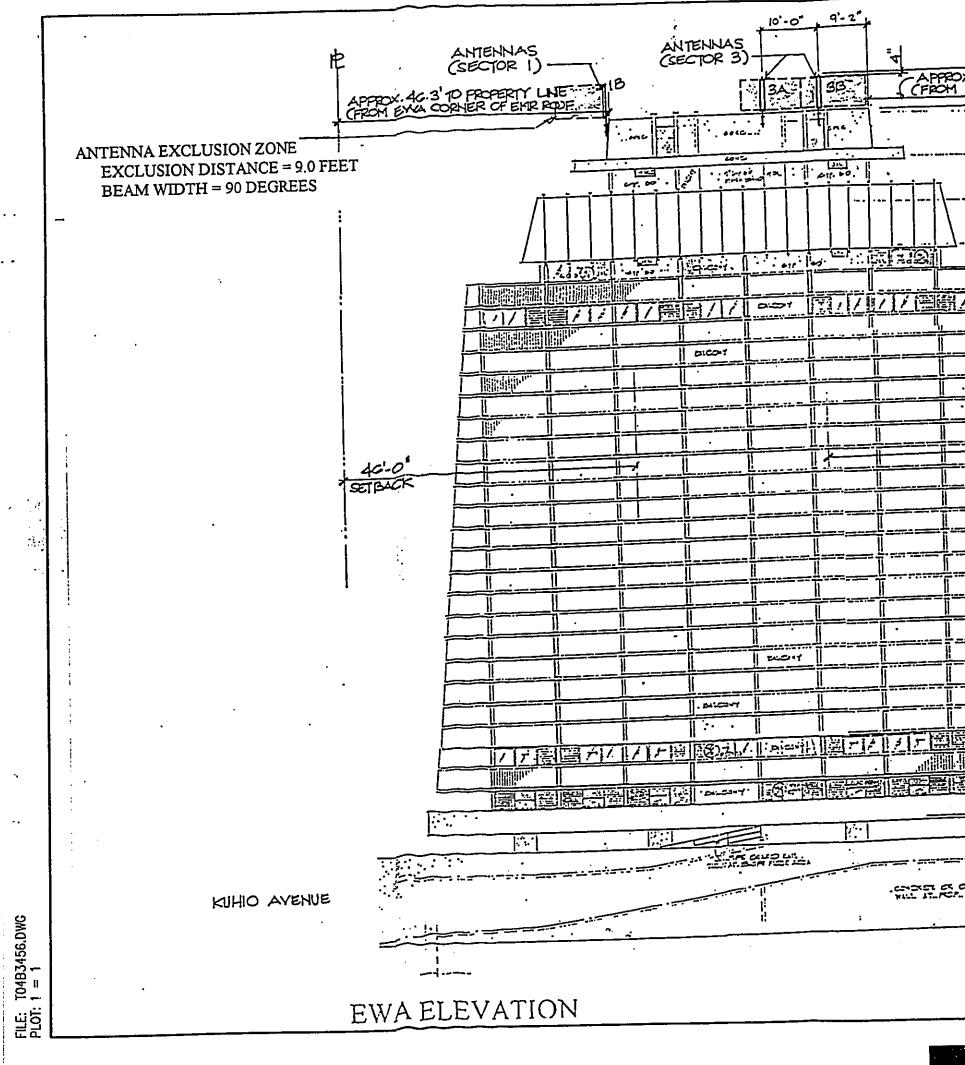


.

1

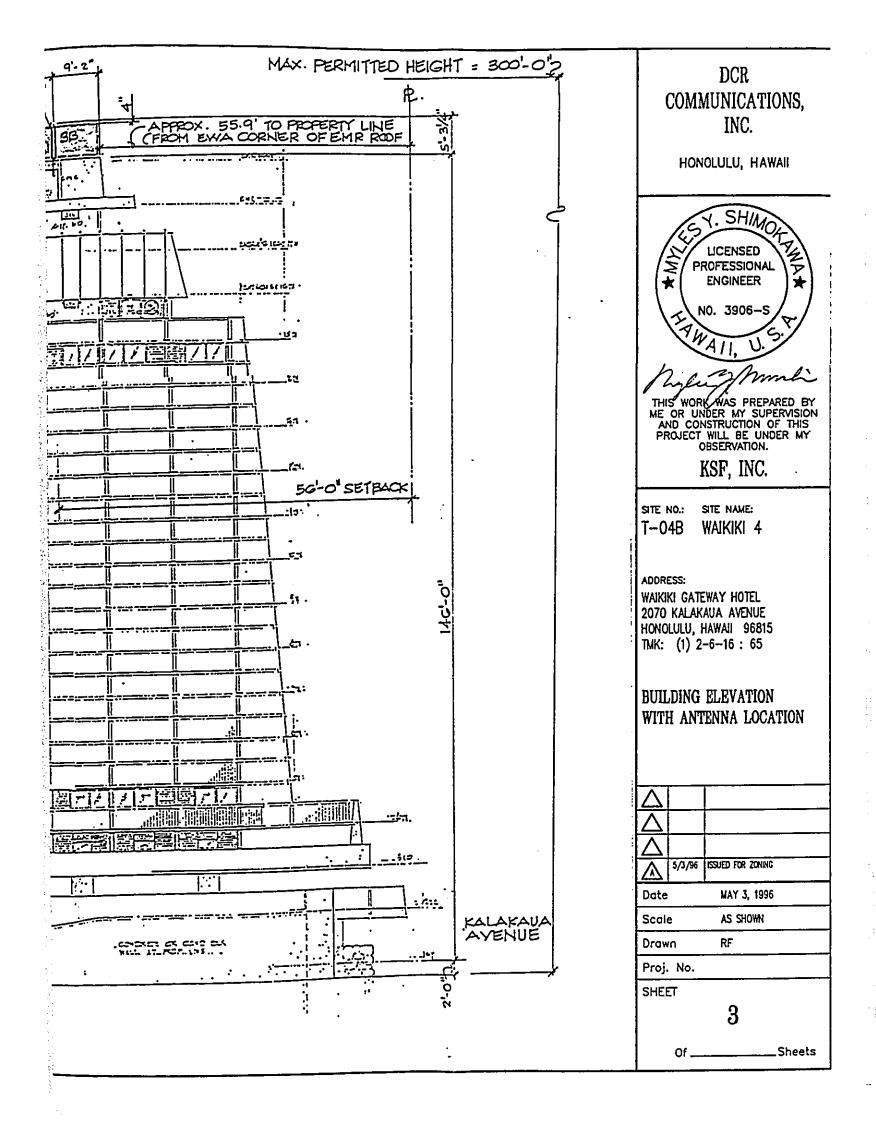


.



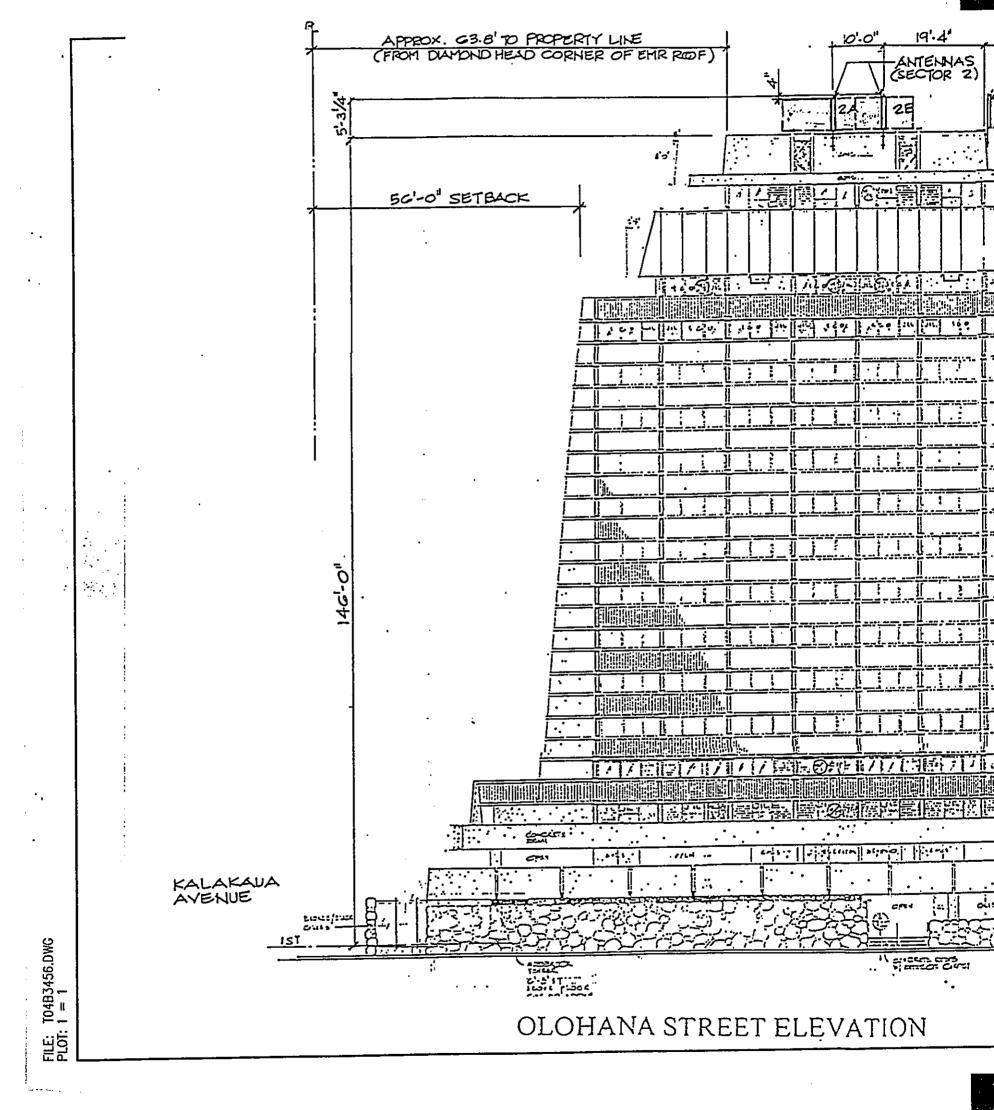
· ·

ŧ



r

.



r

0'.0" 19'.4" APPROX. 40.3'TO PROP. LINE	DCR
ANTENNAS (FROM DIAMOND HEAD CORNER (SECTOR 2) OF EMR ROOF)	COMMUNICATIONS,
ANTENNA (SECTOR I)	INC.
	HONOLULU, HAWAII
ACO SEIBACK	
	J SHIMA
	LICENSED W PROFESSIONAL ENGINEER
	S PROFESSIONAL
- restored	
	TE NO. 3906-S
	HWA11, U.S.
	Mus Showl
	THIS WORK WAS PREPARED E
	THIS WORK WAS PREPARED E ME OR UNDER MY SUPERVISIO AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.
	OBSERVATION.
	KSF, INC.
	SITE NO .: SITE NAME:
	T-04B WAIKIKI 4
	ADDRESS: WAIKIKI GATEWAY HOTEL
	2070 KALAKAUA AVENUE HONOLULU, HAWAII 96815
	TMK: (1) 2-6-16 : 65
	BUILDING ELEVATION
	WITH ANTENNA LOCATION
	A 5/3/96 ISSUED FOR ZONING
In Strand History	Date WAY 3, 1996
KUHIO	Scale AS SHOWN
	Drawn RF
Company and the second se	Proj. No.
Il crosen and il crosen conc.	SHEET
	4
ATION	Of She

•

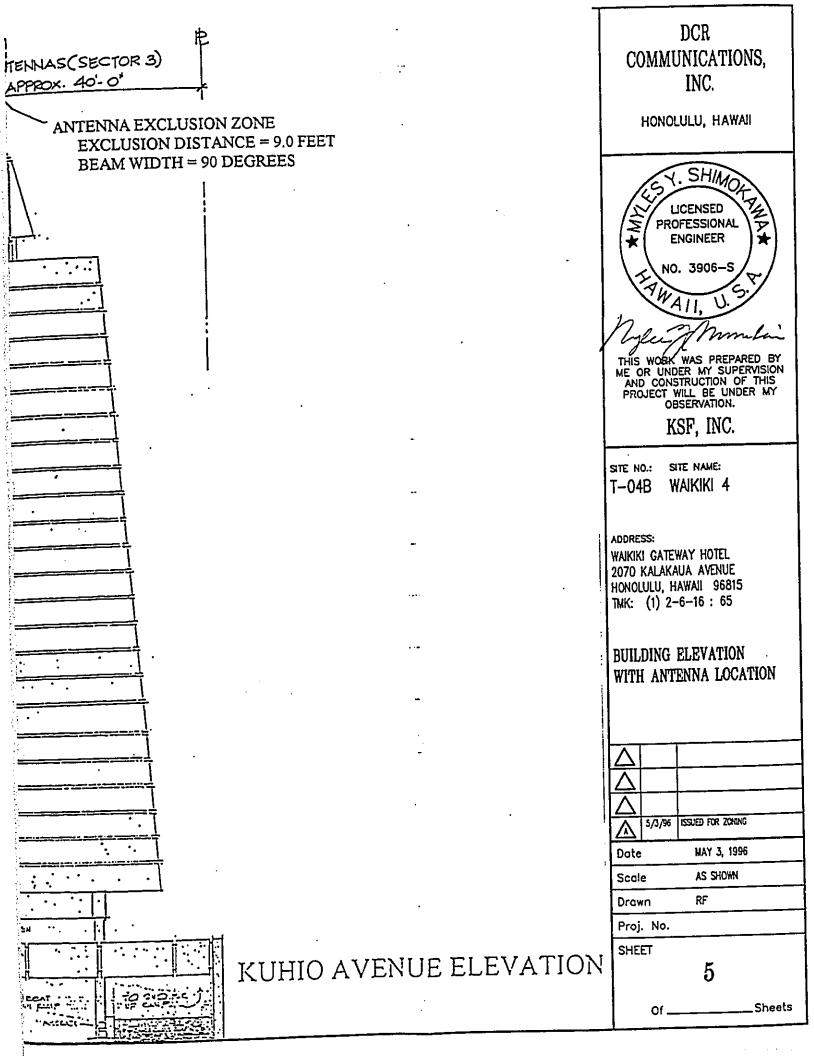
٠

,

ANTENNAS (SECTOR

T04B3456.DWG 1 = 1											·.			
						. •				- 、				
<u> </u>		<u>. 67:=</u>	- דר	571	10 <sup>-1</sup> ×	••••••••••••••••••••••••••••••••••••••	: 4751:	<u></u>	<u>((</u>	15 71 Too! C (OIA	1074 114720155	ונה בוכיניטינים:	<u>.</u> <u>.</u> <u>.</u> <u>.</u>	₽ c
<u> </u>			<u> </u>			<u> </u>		···			<u></u>			ý
11:07			<u>.</u>						<u> </u>	· · · · · ·		<u> </u>	POX. 40'-0"	NHAS (SECTO
2"************************************			· · · ·					···	1	· · ·	·	<u>,  .</u> / _:	<u>į</u> .	R 2) ZB
													<u>†</u> 	IA A
	x 11 Zeise						: ·]		····		9107341	7. <u>()</u> 	• •• • •	- 1B
			<u> </u>								·		<u> </u>	بحر هنر – برسط به زمان ک
			· · · · ·	•.					······································	: <u>.</u>	<u> </u>	Ĩ		TENNAS APPROX
· . <u>: [·]</u> · ¦·[ ·	<u></u>		•	<u></u>			<u></u>			· · · ]		EXC BEA	NTEN	S(SEC . 40'-
			<u>انی۔</u> ا					ľ Ť	÷				NA	0°

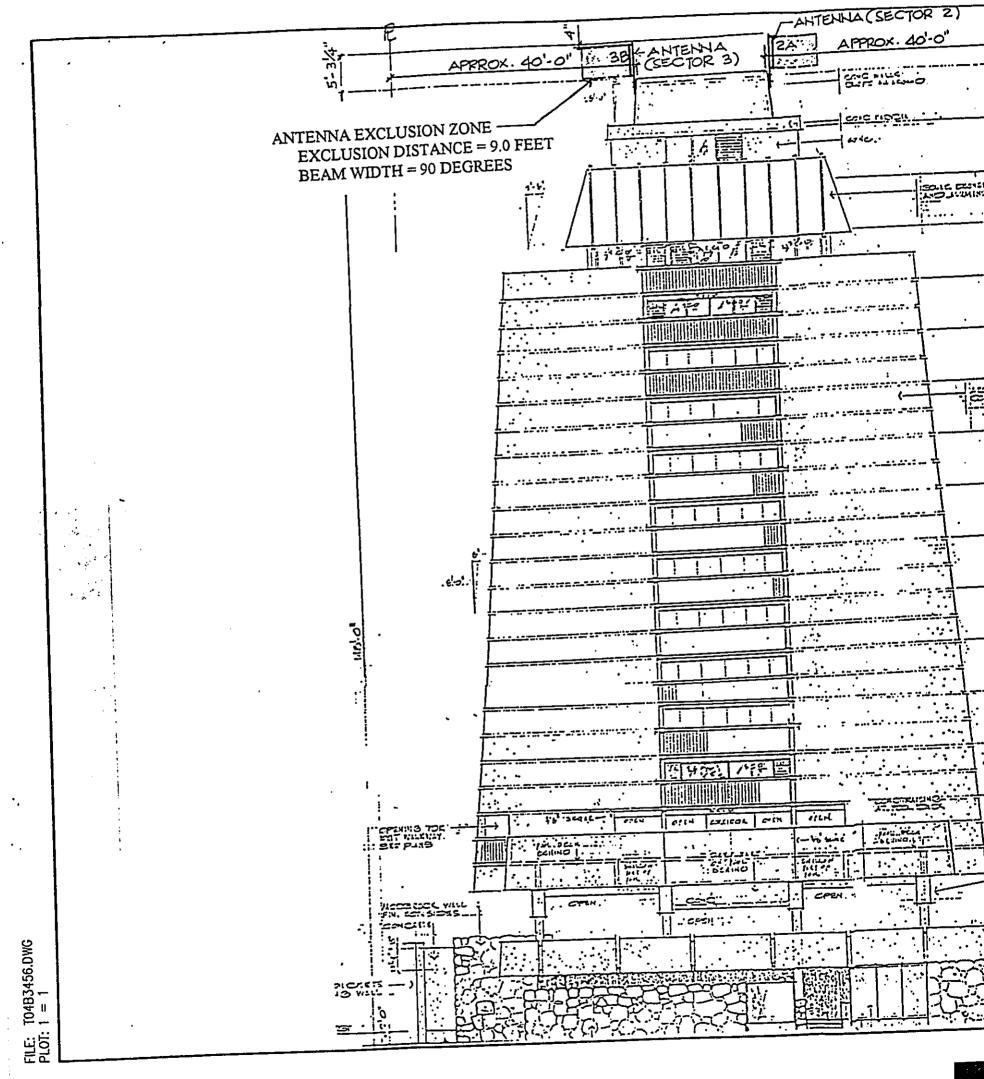
. .



. . **.** 

.

•



····

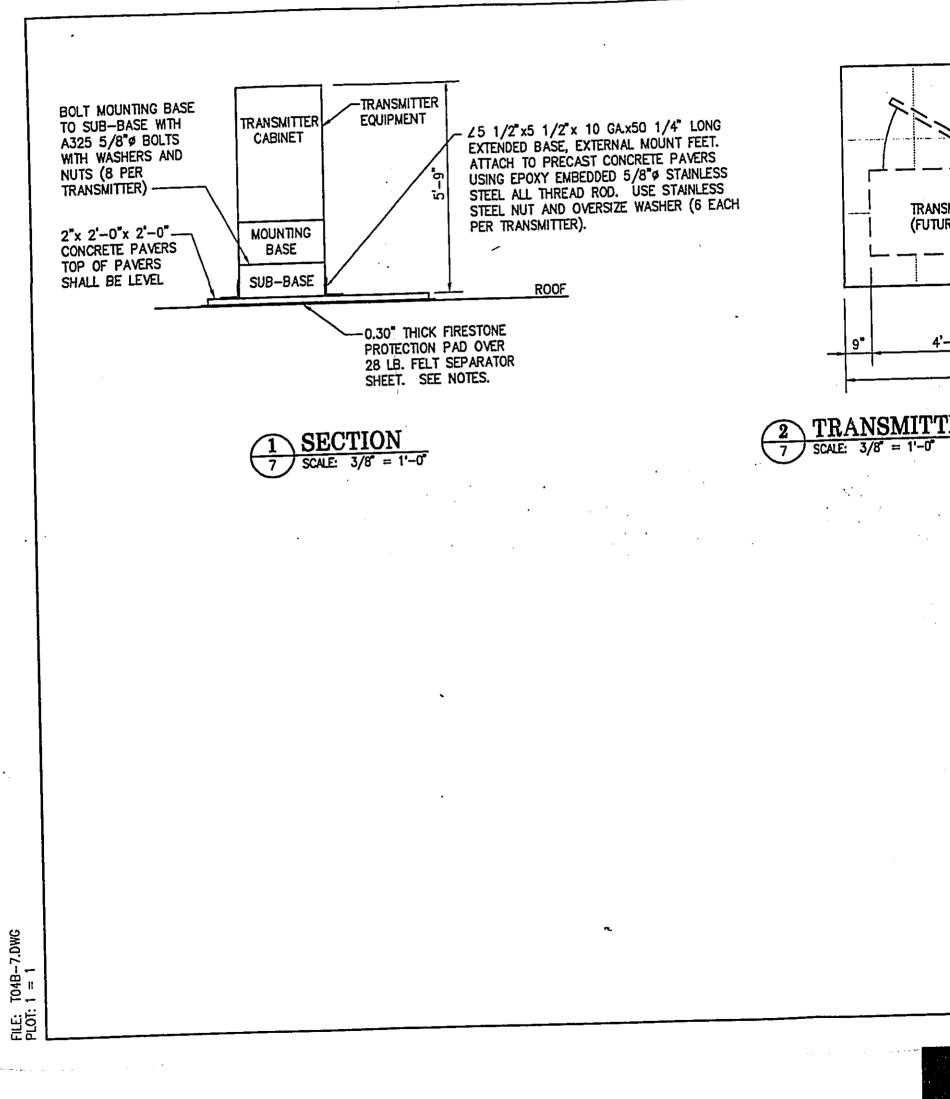
t

.

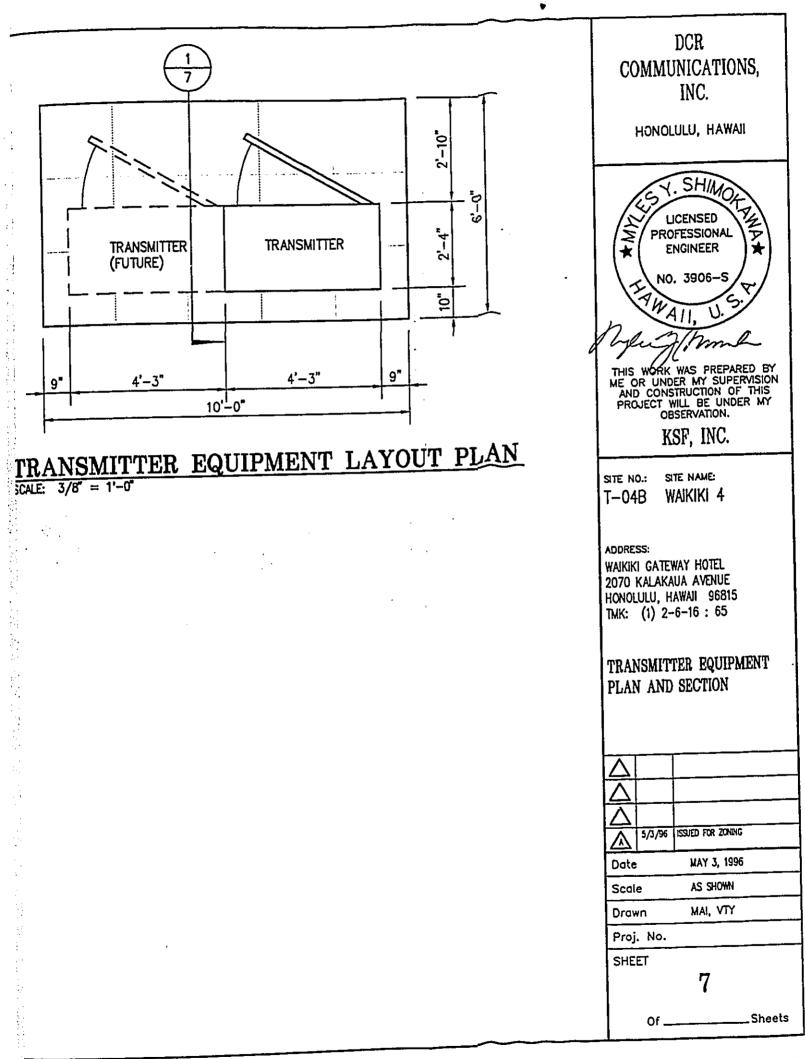
HTENHA (SECTOR 2)	T1
APPROX. 40'-0"	DCR
	COMMUNICATIONS,
	INC.
	HONOLULU, HAWAII
	LICENSED PROFESSIONAL ENGINEER
	NO. 3906-5
	HA11, U.S.
	2 A11. 0.
	here Ammi
	THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION
	AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.
	KSF, INC.
	SITE NO .: SITE NAME:
	T-04B WAIKIKI 4
	ADDRESS:
	WAIKIKI GATEWAY HOTEL
	2070 KALAKAUA AVENUE HONOLULU, HAWAII 96815
	ТМК: (1) 2-6-16 : 65
	BUILDING ELEVATION
	WITH ANTENNA LOCATION
	$\overline{\land}$
	5/3/96 ISSUED FOR ZONING
	Date WAY 3, 1996
OLOHANA ST	Scale AS SHOWN
	Drawn RF
	Proj. No.
KALAKAUA AVENUE	SHEET
	6
ELEVATION	8
	OfSheets
	· · · ·

٠

. .



.



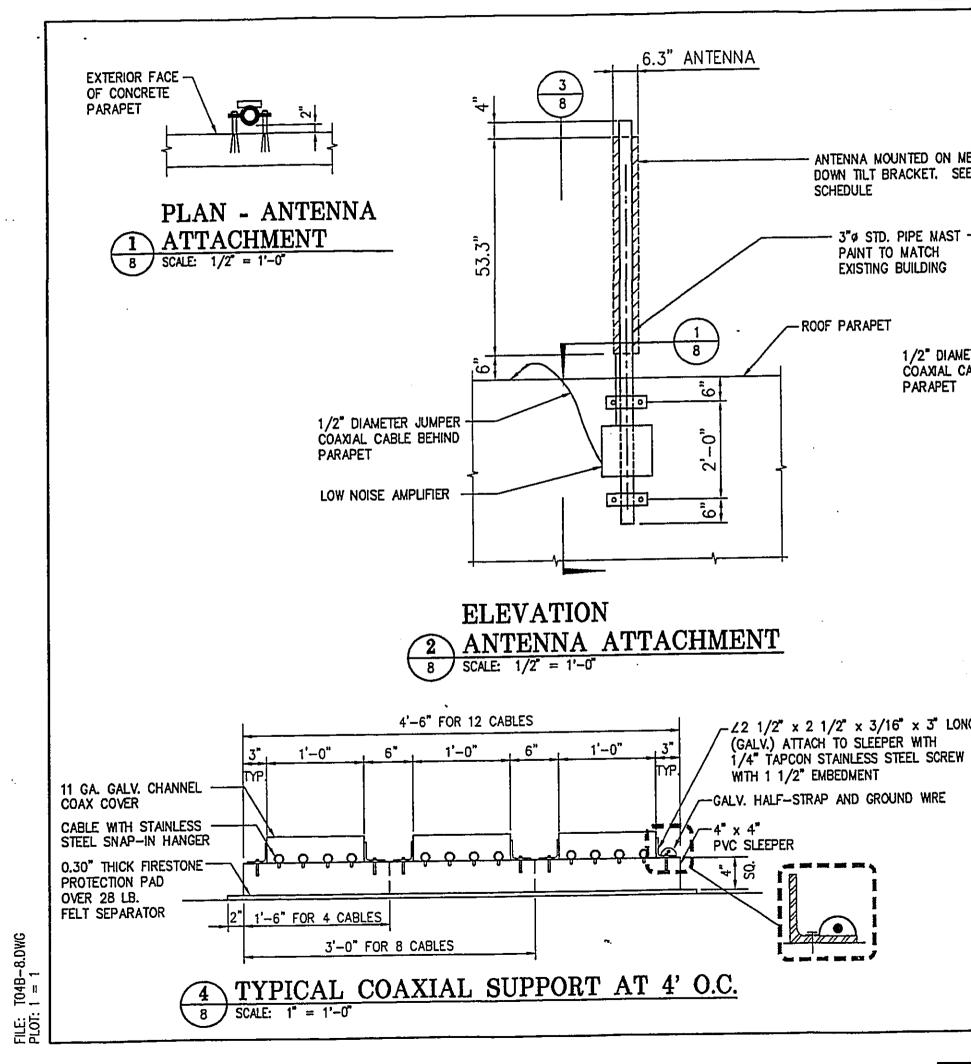
<sup>------</sup>

• :

.

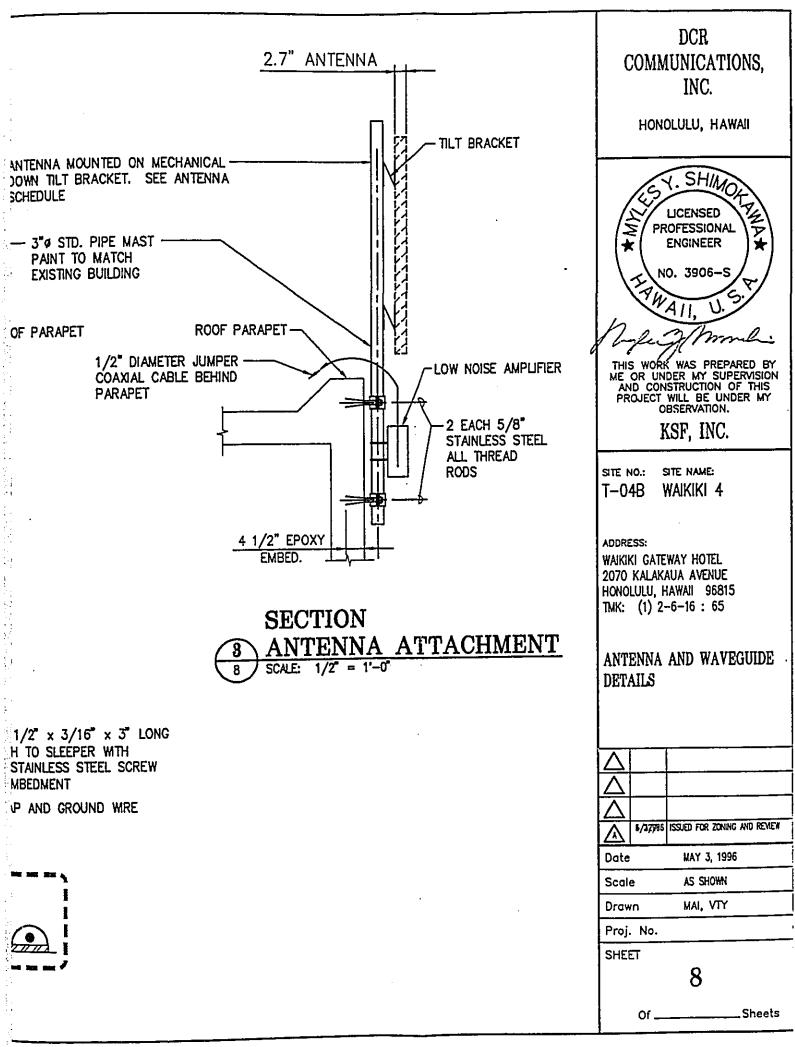
1

.



r

•



. . .

. .

t

#### GENERAL NOTES:

,

- 1. CONFORM TO THE UNIFORM BUILDING CODE, 1991 EDITION
- 2. INFORMATION SHOWN ON THESE DRAWINGS WAS OBTAINED BY FIELD MEASUREMENT AND FROM THE EXISTING STRUCTURAL DRAWINGS. THE GENERAL CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND NOTIFY THE ARCHITECT/ENGINEER OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIALS OR PROCEEDING WITH CONSTRUCTION.
- 3. CONCRETE FOR FOUNDATIONS FOR MONOPOLES AND TOWERS SHALL ATTAIN A STRENGTH OF 3500 PSI AT 3 DAYS (72 HOURS). CONCRETE SHALL BE WORKABLE FOR AT LEAST ONE HOUR AFTER BEGINNING OF PLACEMENT OF CONCRETE.
- 4. ALL OTHER CONCRETE SHALL ATTAIN A STRENGTH OF 3000 PSI AT 28 DAYS.
- 5. CONCRETE TEST CYLINDERS FOR FOUNDATIONS FOR MONOPOLES AND TOWERS SHALL BE AS FOLLOWS:
  - A. EIGHT TEXT CYLINDERS SHALL BE PREPARED FOR EACH SITE.
  - B. TWO CYLINDERS SHALL BE TAKEN FROM EACH TRUCK. IF LESS THAN FOUR TRUCKS ARE REQUIRED, TEST CYLINDERS SHALL BE TAKEN FROM ALL TRUCKS, FOR A TOTAL OF 8 TEST CYLINDERS.
  - C. CYLINDERS SHALL BE TESTED AS FOLLOWS:
  - (1) TWO CYLINDERS AT 3 DAYS (72 HOURS). IF REQUESTED BY ERICSSON, THESE TEST CYLINDERS SHALL BE BROKEN THE MORNING OF THE THIRD DAY.
    - TWO CYLINDERS AT 7 DAYS.
  - TWO CYLINDERS AT 28 DAYS. TWO CYLINDERS SHALL BE HELD IN RESERVE FOR USE AS {4) **REQUIRED.**
- 6. STRUCTURAL STEEL
  - A. STRUCTURAL STEEL SHALL BE HOT-DIPPED GALVANIZED, AFTER FABRICATION.
  - B. ALL EXPOSED STEEL THAT IS NOT GALVANIZED SHALL BE COATED WITH A GALVANIZING PRODUCT IN THE FIELD.
  - C. ALL FASTENERS TO BE STAINLESS STEEL STRUCTURAL FASTENERS FOR ANTENNA SUPPORT. ASSEMBLIES SHALL CONFORM TO ASTM FOR AN LENNA SUPPORT. ASSEMBLIES SHALL CONFORM TO ASTM A307 OR ASTM A36. ALL STRUCTURAL FASTENERS FOR STRUCTURAL STEEL FRAMING SHALL CONFORM TO ASTM A325. FASTENERS SHALL BE 5/8 INCH MINIMUM DIAMETER BEARING TYPE CONNECTIONS WITH THREADS INCLUDED IN THE SHEAR PLANE. ALL EXPOSED FASTENERS, NUTS, AND WASHERS SHALL BE GALVANIZED UNLESS OTHERWISE NOTED. CONCRETE EXPANSION ANCHORS SHALL BE HILTI KWIK BOLTS UNLESS OTHERWISE NOTED.

- 6. STRUCTURAL STEEL (CONTINUED)
  - D. STRUCTURAL STEEL PIPES SHALL BE ASTM A501 OR ASTM A53. GRADE B. STRUCTURAL STEEL PLATES AND RODS SHALL BE ASTM A36. DESIGN, FABRICATION, AND ERECTION OF STEEL SHALL BE INACCORDANCE WITH THE "AISC SPECIFICATION FOR THE DESIGN FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS.

12. ALL COAXIA

BE AS SPE

CONSTRUCT

CONNECTIO

CONNECTIO

OWNER'S R

WITH THE I

FROM THE

OF ANY RO

TO BE BUI

BETWEEN 1

13. THE CONTR

14. CLOUDED F

15. DURING CO

- E. WELDING SHALL BE IN ACCORDANCE WITH THE AMERICAN WELDING SOCIETY (AWS) D.1.1-92. STRUCTURAL WELDING CODE-STEEL WELD ELECTRODES SHALL BE E70XX. WELDS SHALL BE MADE BY AWS CERTIFIED WELDERS. PREQUALIFIED WELDING PROCEDURES ARE TO BE USED, UNLESS AWS QUALIFICATION IS SUBMITTED TO THE OWNER PRIOR TO FABRICATION.
- 7. EPOXY SHALL BE RAWL FOIL-FAST 2 COMPONENT CARTRIDGE SYSTEM OR EQUAL.
- 8. THE GENERAL CONTRACTOR AND OR HIS SUBCONSULTANTS SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS WHICH MAY BE REQUIRED FOR THE WORK.
- 9. LUMBER SHALL COMPLY WITH THE REQUIREMENTS OF AMERICAN INSTITUTE FOR TIMBER CONSTRUCTION AND THE NATIONAL FOREST PRODUCTS ASSOCIATION'S NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION. ALL LUMBER SHALL BE PRESSURE TREATED AND SHALL BE STRUCTURAL GRADE NO. 2 OR BETTER.
- 10. ROOF PROTECTION PADS UNDER THE ANTENNA SUPPORT BASE SHALL BE 0.375 INCH THICK RUBBER ROHN PROTECTION PADS, OR EQUAL THE ROOF PROTECTION PADS SHALL EXTEND A MINIMUM OF TWO INCHES BEYOND THE PERIMETER OF THE ANTENNA BASE AND SHALL BE PLACED WITH A MINIMUM 1/2" SPACE BETWEEN ADJACENT PADS TO FACILITATE DRAINAGE. PROVIDE A 28 LB. INORGANIC FELT SEPARATOR SHEET 2 INCHES LARGER THAN THE PROTECTION PAD, UNDER THE PROTECTION PAD, DIRECTLY ON THE ROOF.
- 11. ROOF PROTECTION PADS UNDER THE CONCRETE PAVERS AND WAVEGUIDE SUPPORTS SHALL BE 0.30 INCH THICK RUBBER FIRESTONE PROTECTION PADS. THE ROOF PROTECTION PADS SHALL EXTEND A MINIMUM OF TWO INCHES BEYOND THE PERIMETER OF THE PAVERS AND THE WOOD SLEEPERS AND SHALL BE PLACED WITH A MINIMUM 1/2" SPACE BETWEEN ADJACENT PADS TO FACILITATE DRAINAGE. PROVIDE A 28 LB. INORGANIC FELT SEPARATOR SHEET 2 INCHES LARGER THAN THE PROTECTION PAD DIRECTLY ON THE ROOF.

ANTENNA MARK	SECTOR	ANTENNA	COAXIAL CABLE	AZIMUTH	COAXIAL CABLE MARK	COAXIAL CABLE
1A	1	DAPA SYSTEMS MODEL 58200/58210 90° 15.0 dBd PANEL (53.3" x 6.3" x 2.7")	воттом	30	C-1	Ø FLC 50J
 1B	1	DAPA SYSTEMS MODEL 58200/58210 90° 15.0 dBd PANEL (53.3" x 6.3" x 2.7")	воттом	30	C-2	FLC 50J
2A	2	DAPA SYSTEMS MODEL 58200/58210 90° 15.0 dBd PANEL (53.3" x 6.3" x 2.7")	BOTTOM	150	C-3	Ø FLC 50J
2B	2	DAPA SYSTEMS MODEL 58200/58210 90° 15.0 dBd PANEL (53.3" x 6.3" x 2.7")	воттом	150	C-4	Ø FLC 50J
3A	3	DAPA SYSTEMS MODEL 58200/58210 90° 15.0 dBd PANEL (53.3" x 6.3" x 2.7")	BOTTOM	270	C-5	Ø FLC 50J
3B	3	DAPA SYSTEMS MODEL 58200/58210 90° 15.0 dBd PANEL (53.3" x 6.3" x 2.7")	BOTTOM	270	C6	FLC 50J

B-9.DWG FILE: T046

DCR COMMUNICATIONS, 12. ALL COAXIAL CABLE CONNECTORS AND TRANSMITTER EQUIPMENT SHALL BE AS SPECIFIED BY THE OWNER AND IS NOT INCLUDED IN THESE CONSTRUCTION DOCUMENTS. THE CONTRACTOR SHALL FURNISH ALL CONNECTION HARDWARE REQUIRED TO SECURE THE CABLES. CONNECTION HARDWARE SHALL BE STAINLESS STEEL. INC. i3, ł HONOLULU, HAWAII ΞL. 13. THE CONTRACTOR SHALL COORDINATE ALL WORK WITH THE BUILDING OWNER'S ROOF CONTRACTOR WHO WILL COMPLETE ALL WORK ASSOCIATED WITH THE ROOF. THE CONTRACTOR SHALL OBTAIN WRITTEN APPROVAL FROM THE BUILDING OWNER'S ROOF CONTRACTOR BEFORE INSTALLATION SHIMOHDANA DING WELD S OF ANY ROOF MOUNTED EQUIPMENT. NW? LICENSED S TO 14. CLOUDED PARTS OF DRAWINGS ARE AS-BUILT CONDITIONS OR SUPPOSED TO BE BUILT WHEN TRANSMITTER IS IN PLACE. PROFESSIONAL ENGINEER \* 15. DURING CONSTRUCTION, BUILDING IS ACCESSIBLE MONDAY THROUGH SATURDAY, BETWEEN THE HOURS OF 8 AM AND 6 PM. EAW NO. 3906-S - 1 S  $A_{II}$ : THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION. T ED - [ KSF, INC. HALL 'AL\_ INCHES SITE NAME: PLACED SITE NO .: LITATE T-04B WAIKIKI 4 ET 2 CTION ADDRESS: VEGUIDE WAIKIKI GATEWAY HOTEL CTION 2070 KALAKAUA AVENUE OF TWO HONOLULU, HAWAII 96815 TMK: (1) 2-6-16 : 65 BETWEEN NORGANIC IN PAD GENERAL NOTES AND ANTENNA AND COAXIAL CABLE SCHEDULE TRX ANTENNA COAXIAL CABLE CONFIGURATION TRX 5/3/96 ISSUED FOR ZONING  $\wedge$ FLC . 50J MAY 3, 1996 Date TRX FLC 50J AS SHOWN Scale TRX MAL, VTY Drawn FLC 50J Proj. No. TRX FLC 50J SHEET TRX 9 FLC 50J TRX Sheets FLC Of \_\_\_\_ 50J

٠

1

.

.

## APPENDIX II

## LIST OF PERMITTED USES

ı

• • exceed 60 percent of the FAR stipulated for hotel use, stated above.

(d) Open Space Requirements.

A minimum of 50 percent of the zoning lot shall be devoted to open space for all developments within a resort hotel precinct.

- 7.80-6 Resort commercial precinct.
- (a) Permitted Uses.
  - (1) Amusement and recreation facilities, indoor;
  - (2) Art galleries and museums;
  - (3) Automobile service stations and car rental
    - establishments excluding repair facilities;
  - (4) Bars, taverns and nightclubs;
  - (5) Cabarets, dancehalls;
  - (6) Commercial parking lots and garages;
  - (7) Day-care facilities;
  - (8) Dwellings, multi-family, between Ala Wai Boulevard and Kuamoo Avenue;
  - (9) Eating establishments;
  - (10) Financial institutions;
  - (11) Marina accessories;
  - (12) Medical clinics;
  - (13) Meeting facilities;
  - (14) Office buildings;
  - (15) Photography studios;
  - (16) Public uses and structures;
  - (17) Recreation facilities, outdoor;
  - (17) Retail establishments including the incidental manufacturing of goods for sale only as retail on the premises; retail sales and display rooms, but storage of new or used vehicles, building materials or any scrap or salvage operations or storage or display of any scrap, salvage or secondhand building materials or automobile parts shall not be permitted;

.

(19) Theaters;

7-94

- (20) Uses and structures customarily accessory and clearly incidental and subordinate to principal uses and structures, but amusement arcades shall not be.
- (21) Utility installations, Type A;
- (22) Zoos.
- (b) Yard Requirements.
  - (1) Front yards shall comply with the setback limits established in Section 7.80-3(c) and Figure 7.1.
  - (2) Within a resort commercial precinct, the following shall constitute yard and open space requirements:
    - (A) Where a resort commercial use adjoins an apartment precinct without an intervening street, alley or permanent open space over 25 feet in width, a side yard or rear yard equal to that required for the apartment use, Section 7.80-4(b), shall be provided.
    - (B) Except as required in subparagraph (A) of this paragraph, no rear or side yard shall be required.
    - (C) Within a resort commercial precinct, at least 50 percent of the front yard shall be landscaped.
- (c) Density.
  - (1) The FAR of all buildings and structures situated on a lot shall not exceed 1.75. However, in addition to such maximum, five square feet of floor area may be added for each square foot of open space devoted to pedestrian use and landscape area at ground level, exclusive of the front 20 feet of the required yards, and three square feet of floor area may be added for each square foot of arcade area.
  - (2) For the purpose of subdivision, the lot area for resort commercial uses shall not be less than 5,000 square feet.
  - (3) In computing the permissible floor area, in the case of residential-commercial mixed use buildings, the FAR may be applied to the zoning lot area plus one-half the

7-95

# **CORRECTION**

THE PRECEDING DOCUMENT(S) HAS BEEN REPHOTOGRAPHED TO ASSURE LEGIBILITY SEE FRAME(S) IMMEDIATELY FOLLOWING

in the second concern

1

ىرى بەر بىرىكىيىتىرىنى بىلەتكەن بىرىيەتكەن ئۆ<mark>لۈچەتكەن</mark> بەر بىر بىرىن بىر بىر بىرەنچەتكە ئېچەتچەتچەتكەن بىرى بىرى

. .

- (20) Uses and structures customarily accessory and clearly incidental and subordinate to principal uses and structures, but amusement arcades shall not be. permitted;
- (21) Utility installations, Type A;
- (22) Zoos.
- (b) Yard Requirements.
  - (1) Front yards shall comply with the setback limits established in Section 7.80-3(c) and Figure 7.1.
  - (2) Within a resort commercial precinct, the following shall constitute yard and open space requirements:
    - (A) Where a resort commercial use adjoins an apartment precinct without an intervening street, alley or permanent open space over 25 feet in width, a side yard or rear yard equal to that required for the apartment use, Section 7.80-4(b), shall be provided.
    - (B) Except as required in subparagraph (A) of this paragraph, no rear or side yard shall be required.
    - (C) Within a resort commercial precinct, at least 50 percent of the front yard shall be landscaped.
- (c) Density.
  - (1) The FAR of all buildings and structures situated on a lot shall not exceed 1.75. However, in addition to such maximum, five square feet of floor area may be added for each square foot of open space devoted to pedestrian use and landscape area at ground level, exclusive of the front 20 feet of the required yards, and three square feet of floor area may be added for each square foot of arcade area.
  - (2) For the purpose of subdivision, the lot area for resort commercial uses shall not be less than 5,000 square feet.
  - (3) In computing the permissible floor area, in the case of residential-commercial mixed use buildings, the FAR may be applied to the zoning lot area plus one-half the

7-95

#### APPENDIX III

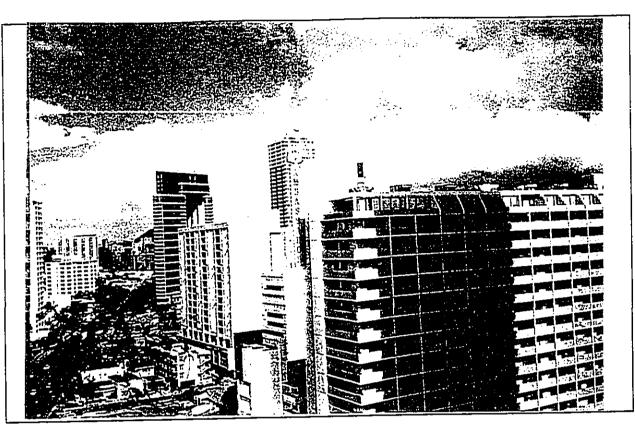
٠

\*

•

مراجع المراجع ا مراجع المراجع ال

## PHOTOGRAPHS OF THE SITE AND SURROUNDING AREA



• .•

,

North View from Site



South View from Site

. . T-04B



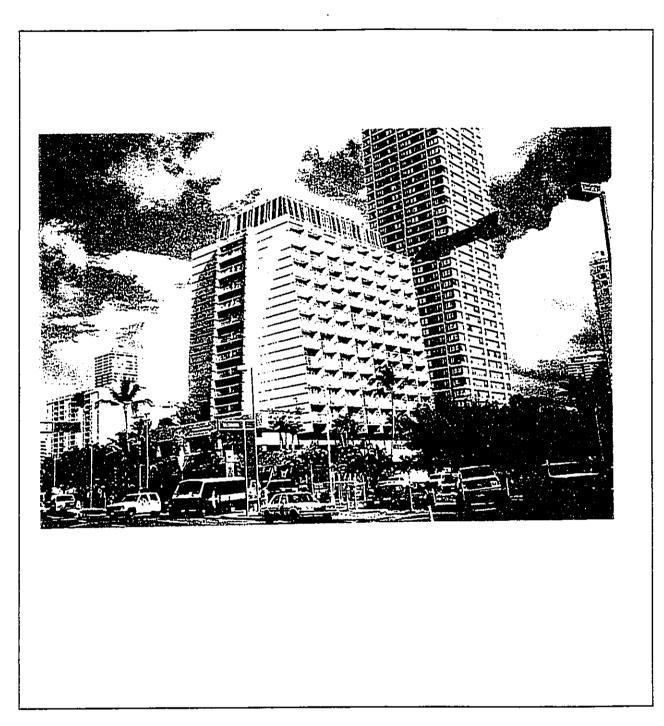
East View from Site



West View from Site

1

.



**∵-04B** 

.

٩.

,

View of Proposed Site

. .