

JOHN WAIHEE
GOVERNOR OF HAWAII



AQUACULTURE DEVELOPMENT
PROGRAM
AQUATIC RESOURCES
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LAND MANAGEMENT
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OFFICE OF ENVIRONMENTAL
QUALITY CONTROL

STATE OF HAWAII

DEPARTMENT OF LAND AND NATURAL RESOURCES
DIVISION OF LAND MANAGEMENT

P.O. BOX 821
HONOLULU, HAWAII 96809

July 29, 1991

OD-90-439

Mr. Brian Choy, Director
Office of Environmental Quality Control
220 South King Street, 4th Fl.
Central Pacific Plaza
Honolulu, Hawaii 96813

Dear Mr. Choy:

Subject: Environmental Assessment for GTE Hawaiian
Telephone Company 914 Ex Metro Housing
Installation at Sand Island, Oahu, Hawaii, TMK:
1-5-41: 130

Enclosed herewith are four copies and one original of the
Environmental Assessment and Notice of Negative Declaration for GTE
Hawaiian Telephone Company's 914 Ex Metro Housing Installation at
Sand Island Parkway Road, Oahu, Hawaii.

GTE Hawaiian Telephone Company is requesting from the State
a direct issuance of a perpetual non-exclusive easement for
telecommunal purposes at the subject site.

It is our intention to submit GTE Hawaiian Telephone Company
request at the Land Board meeting of August 23, 1991.

We would appreciate your cooperation by publishing GTE Hawaiian
Telephone Company's Environmental Assessment and Notice of Negative
Declaration in the next OEQC Bulletin.

Should you have any questions please contact Mr. Nick Vaccaro
of Land Management Division at 548-3262.

Very truly yours,

Handwritten signature of Cecil Santos in cursive.

CECIL SANTOS
Oahu District Land Agent

Encs.
cc: Ms. S. Himeno
T. C. Yim

122

1991-08-23-0A-FA

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ENVIRONMENTAL ASSESSMENT '91 JUL 31 10 43

AND

NOTICE OF NEGATIVE DECLARATION

FOR

GTE HAWAIIAN TELEPHONE COMPANY
914 EX METRO HOUSING INSTALLATION

SAND ISLAND PARKWAY ROAD
OAHU, HAWAII

PREPARED BY
ENVIRONMENTAL COMMUNICATIONS, INC.

JULY, 1991

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- A Picture - 3600 Crossconnect
- B 914E METRO (SIMILAR to 914 EX Metro)

I. SUMMARY

**CHAPTER 343, HAWAII REVISED STATUTES (HRS)
ENVIRONMENTAL ASSESSMENT**

Action: Applicant
GTE HAWAIIAN TELEPHONE COMPANY

Project Name: Sand Island Parkway Road Installation

Project Description: The proposed project involves the installation of two above ground 914 EX METRO equipment housings, one below surface ground splicing vault, and connective subsurface 4" conduits to an existing power pole eastward and to an existing Army manhole westward of the proposed project easement.

Project Location: Sand Island Parkway Road, Honolulu, Hawaii

Tax map Key: 1-5-41: 130

Area: 1,200 square feet

State Land Use Designation: Urban

Development Plan Designation: Public Facility

Zoning: I-2, I-3

Landowner: State of Hawaii

Agent: GTE Hawaiian Telephone Company

Contact: Environmental Communications, Inc.
P. O. Box 536
Honolulu, HI 96809
Phone: (808) 521-8391

II. PROJECT DESCRIPTION

A. Technical Characteristics

The Hawaiian Telephone Company is requesting an easement from the State of Hawaii to install necessary equipment to provide service to the Sand Island telephone customer community. At the present time, this customer market is serviced by lines routed through the Kapalama Military Reservation. On or about September, 1993, the sale of the Reservation to the State of Hawaii will be completed, and the re-routing of service lines to bypass the Reservation completely will be necessary. (Figure 1 provides the location of the proposed installation)

The proposed easement consists of approximately 1,200 square feet, and will provide space for the installation of two above ground 914 EX METRO equipment housings, one below ground splicing vault, and connective subsurface 4" conduits to an existing power pole 29' easterly of said easement and to an existing Army manhole 12' westerly of said easement. Figure 2 identifies the location within the access and utility easement granted to the State Department of Transportation, Highways Division by the State Department of Land and Natural Resources. It is within this easement that the requested space is being made.

B. Social and Economic Characteristics

Continuing and future planned expansion and development on Sand Island will require the Hawaiian Telephone Company to provide increased telephone capacity to an expanding telephone customer market. Further, the expansion of service lines via the existing routing to Sand Island through the Kapalama Military Reservation will become increasingly difficult when the sale of the Reservation to the State of Hawaii becomes final in 1993. This requested easement will permit the expansion capability to proceed within existing utility rights-of-way on Sand Island Parkway Road, without affecting landowners/tenants on the service line grid pattern. The proposed project will be funded entirely by the applicant and estimated costs are approximately \$41,000. Construction would commence upon approval of the requested easement and will be completed in one continuous phase.

C. Environmental Characteristics

The proposed project will not result in "significant" environmental impacts, with the actual construction consisting of site preparation for the equipment pad, and minor trenching for conduit connections.

III. AFFECTED ENVIRONMENT

A. Geographical Characteristics

1. Topography

Sand Island was created on a shallow reef by incremental deposition of material from adjacent dredging in Honolulu Harbor and Keehi Lagoon. Except for intermittent small land forms and depressions in undeveloped areas, the site is relatively flat with an average gradient of less than minus one percent towards the shoreline. The project site is approximately 6' plus or minus below the roadway embankment.

2. Geology/Soils

According to the Soil Survey of Islands of Kauai, Oahu, Maui, Molokai, and Lanai, State of Hawaii published by the United States Department of Agriculture Soil Conservation Service in 1972, mixed fill lands consist of materials dredged from the ocean or hauled from nearby areas. It is highly unconsolidated with characteristics of high porosity and permeability.

B. Hydrological Characteristics

1. Drainage

The proposed improvements will need to respond to existing drainage patterns in the proposed site area, and appropriate drainage improvements will be required for review and approval by the City & County Department of Public Works.

2. Flood Plain Management

According to the National Flood Insurance Program Flood Insurance Rate Map by the Federal Emergency Management Agency, the easement site is designated Zone D, an area in which flood hazards are undetermined. The proposed project will not exacerbate the flooding potential.

3. Coastal Zone Management Program

Implementation of the proposed project will not cause violation of any of the provisions or objectives of the State of Hawaii Coastal Zone Management Act.

IV. SUMMARY OF MAJOR IMPACTS AND MITIGATIVE MEASURES

Short-term impacts, both beneficial and adverse, generally result from construction related activities. Consequently, these impacts are of short duration and should not last longer than the duration of the actual construction. Long-term impacts, beneficial and adverse, generally result from implementation of the proposed action.

Construction of the improvements will have beneficial long-term impacts. Significant improvement in the ability of the applicant to provide telephone service to current and future planned development on Sand Island. The short-term impacts will be mitigated by the construction methods employed, and for the size of project involved, the impacts are not considered major in scope.

V. ALTERNATIVES CONSIDERED

The "Do-Nothing" alternative was not considered in view of the long term future demand for increased telephone service. As a public utility, the applicant is under mandate to provide service to the customer market which is expanding at a dramatic rate. Other alignment alternatives were not considered viable in view of unavailable service corridors, costs of installation, and inefficient overlapping or duplication of service areas.

VI. DETERMINATION, FINDINGS, AND REASONS SUPPORTING DETERMINATION

After completing an assessment of the potential environmental effects of the proposed project, it has been determined that an Environmental Impact Statement (EIS) is not required. Therefore, this document constitutes a Notice of Negative Declaration.

Reasons supporting the Negative Declaration determination are as follows using as the criteria, the policy, guideline and provisions of Chapters 342, 343, and 344, HRS.

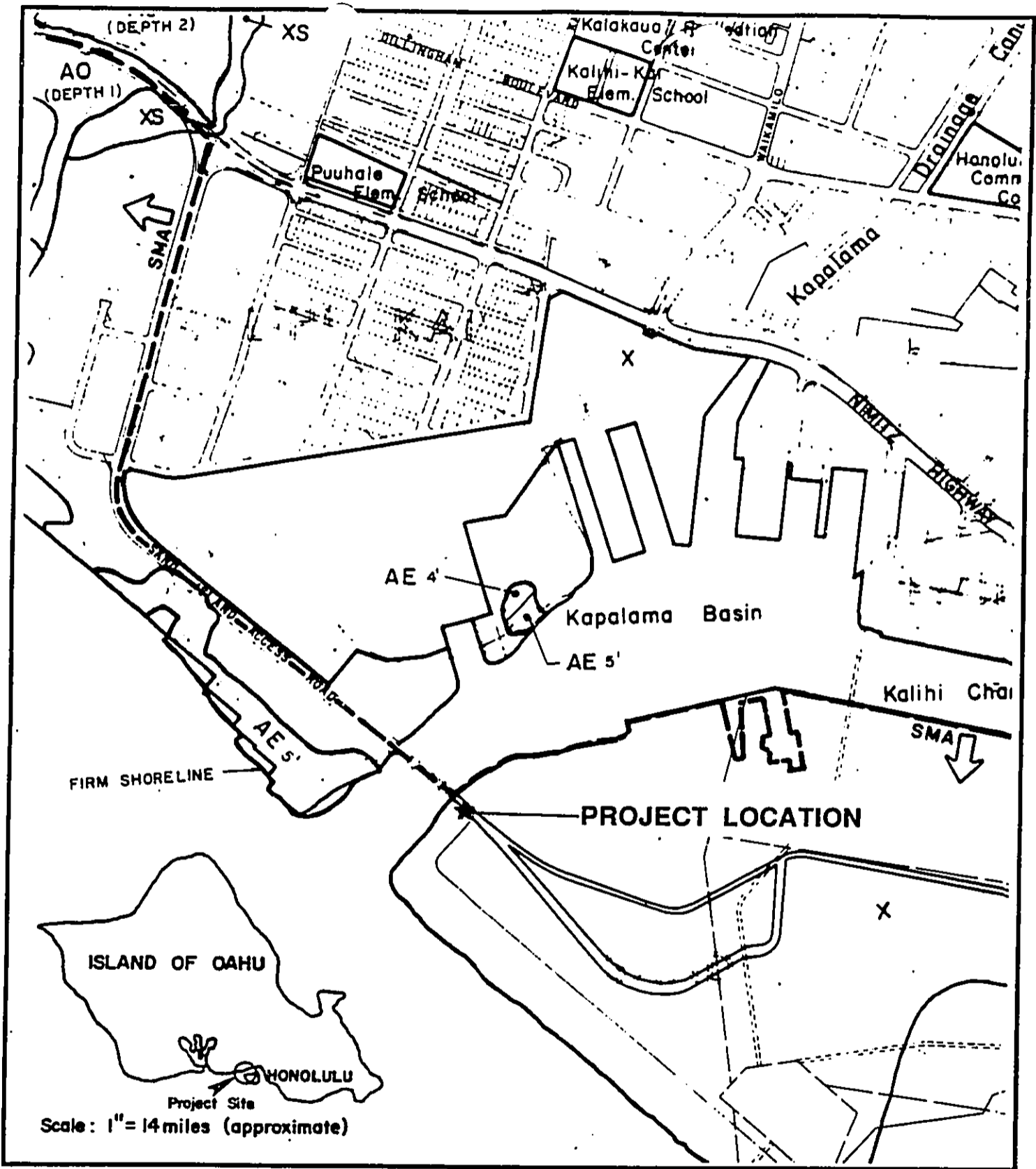
1. The proposed action primarily consists of the design and construction of telephone service equipment and will not adversely affect the physical and social environment.
2. There will be no permanent degradation of the existing ambient air and noise levels resulting from this project. During construction operations, air quality, noise levels, and traffic disruptions are expected to be affected, but these will be temporary and minor.
3. No residences or businesses will be displaced by this project.
4. There are no known endangered species of animal or plants within the project limits.
5. There are no known natural, historic, or archaeological sites within the project limits.
6. Limited grading will be required to achieve the final finish grade, and fugitive dust may result from the minor quantities of earthwork. Standard mitigation measures as required by both the State and City will be employed by the contractor.
7. There are no secondary adverse effects on future development, population and public facilities resulting from this project.

VII. LIST OF PREPARERS

GTE HAWAIIAN TELEPHONE COMPANY
Real Property Coordination
Engineering Design

Environmental Communications, Inc.
Environmental Assessment

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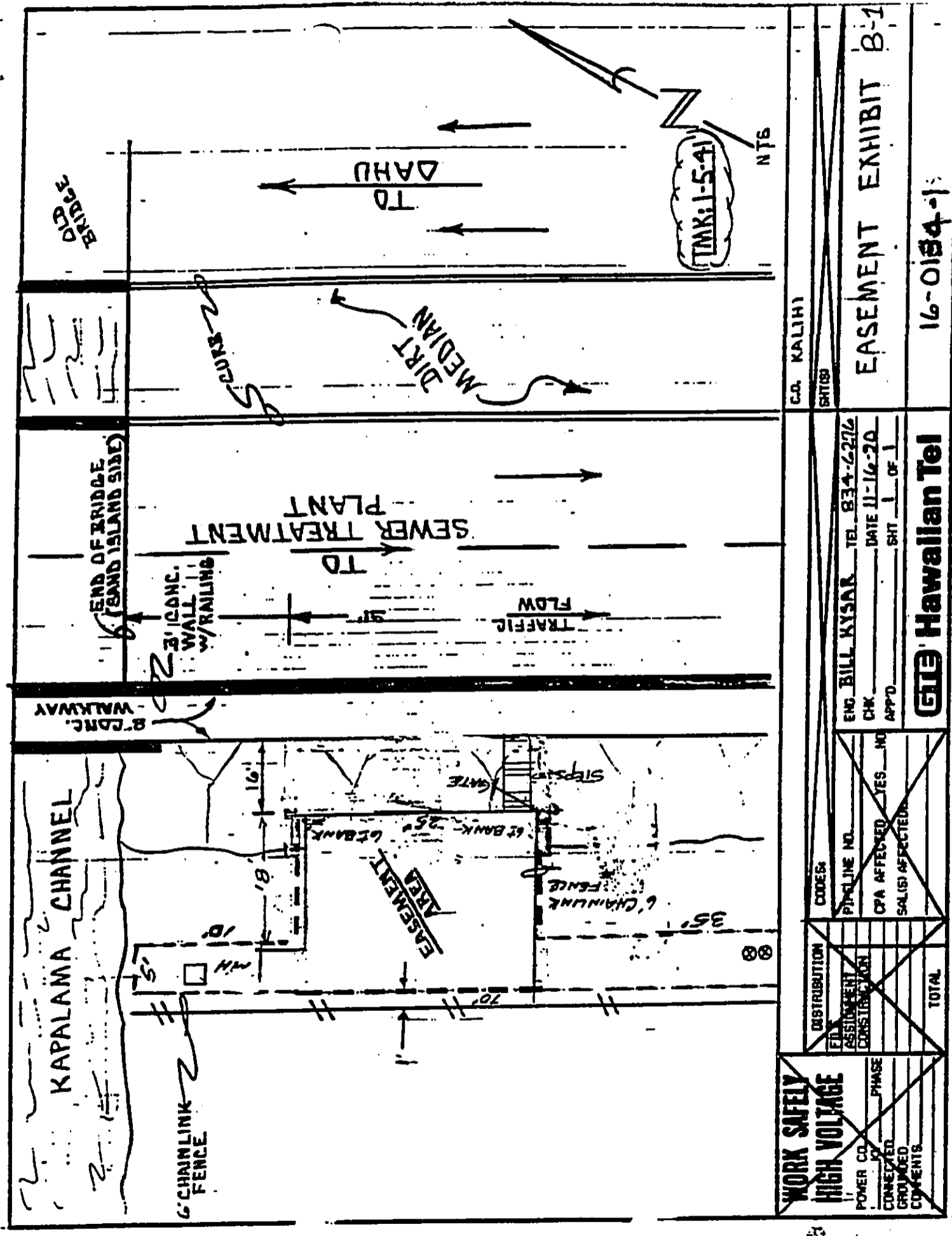


GTE Hawaiian Telephone Company
914EX METRO Housing Installation
Oahu, Hawaii

LOCATION MAP

FIGURE 1

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WORK SAFELY HIGH VOLTAGE		DISTRIBUTION CODES:	
POWER CO. _____	PHASE _____	FILED _____	CONSTRUCTION _____
CONNECTED _____	GROUNDING _____	PIPELINE NO. _____	CPA AFFECTED YES _____ NO _____
COMMENTS _____	TOTAL _____	ENG. BILL KYSAK TEL. 834-6276	DATE 11-16-20
		CHK _____	APP'D _____
		SHT. 1 OF 1	
		C.O. KALIHI	
		EASEMENT EXHIBIT B-1	
		16-0184-1	
		GTE Hawaiian Tel	

FIGURE 2

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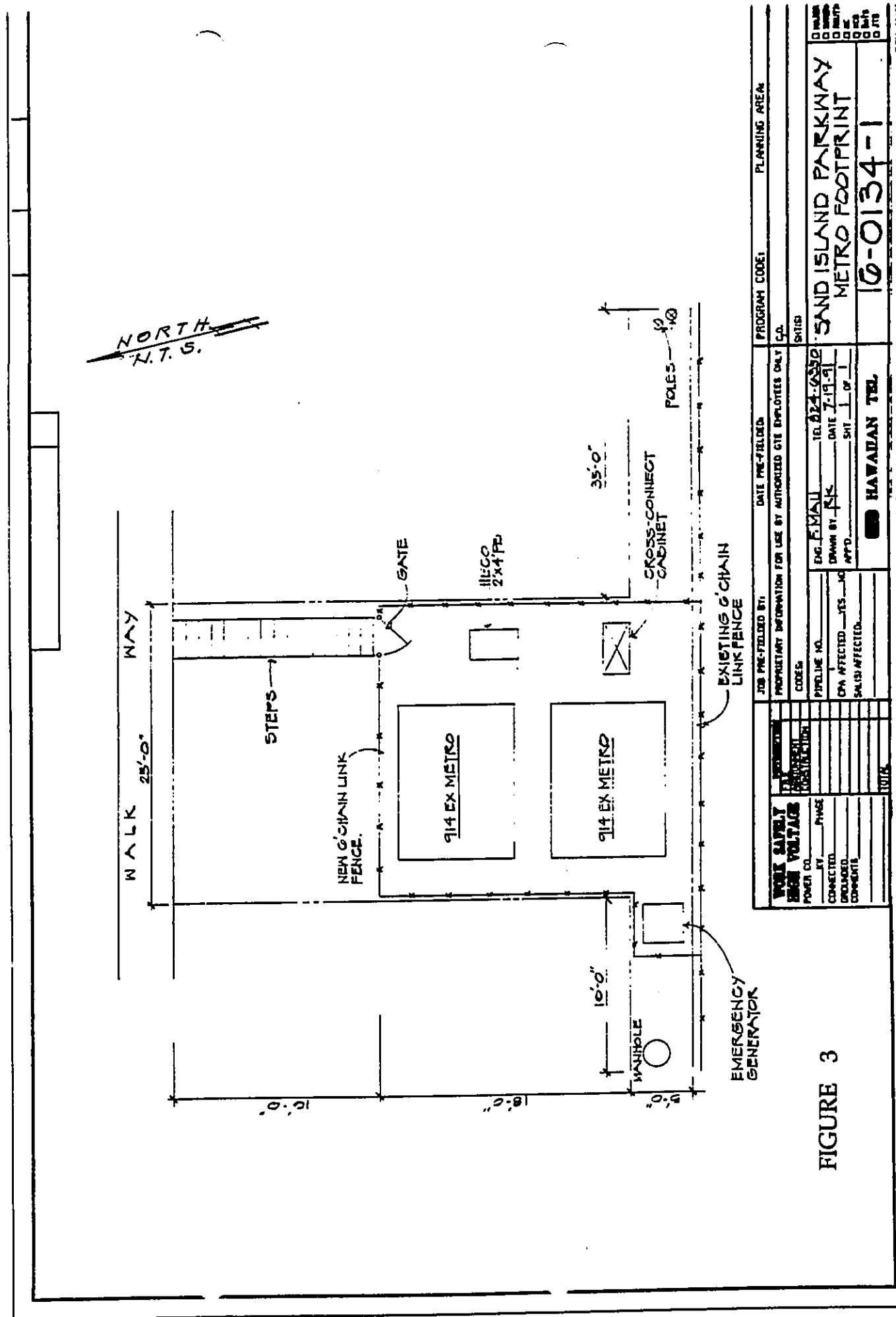


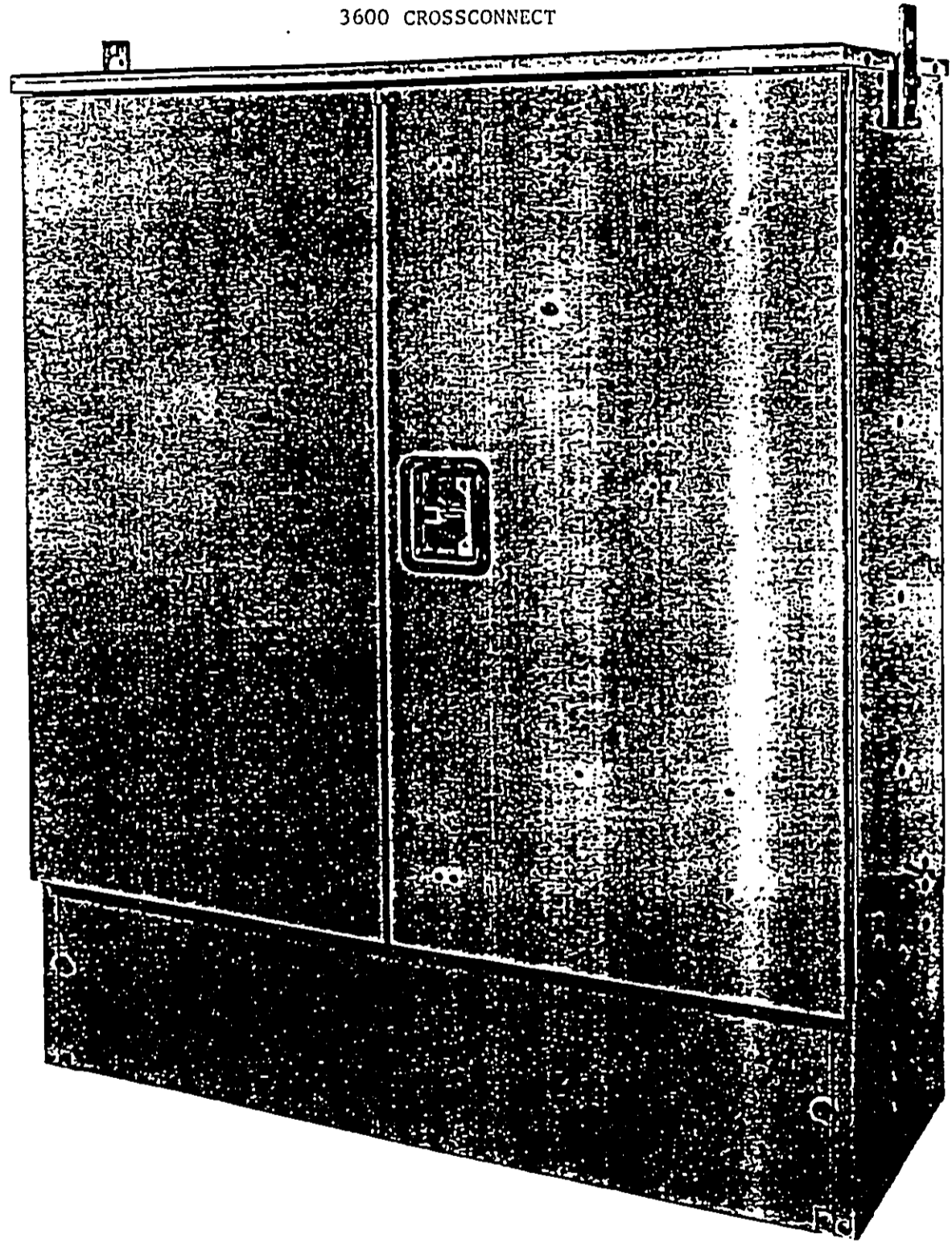
FIGURE 3

JOB PREPARED BY		DATE PREPARED		PROGRAM CODE		PLANNING AREA	
PROPRIETARY INFORMATION FOR USE BY AUTHORIZED SITE EMPLOYEES ONLY		C.O.		SAND ISLAND PARKWAY		METRO FOOTPRINT	
E.G. EMAIL		10.024-0302		HAWAIIAN TEL		10-0134-1	
DRAWN BY		DATE		SHEET		REV	
APPD.		7-19-91		1 OF 1		0 0 0 0 0 0 0 0	
CPA AFFECTED		YES		NO			
SALUS/AFFECTED							
TOTAL							

REV 11/90

DOCUMENT CAPTURED AS RECEIVED

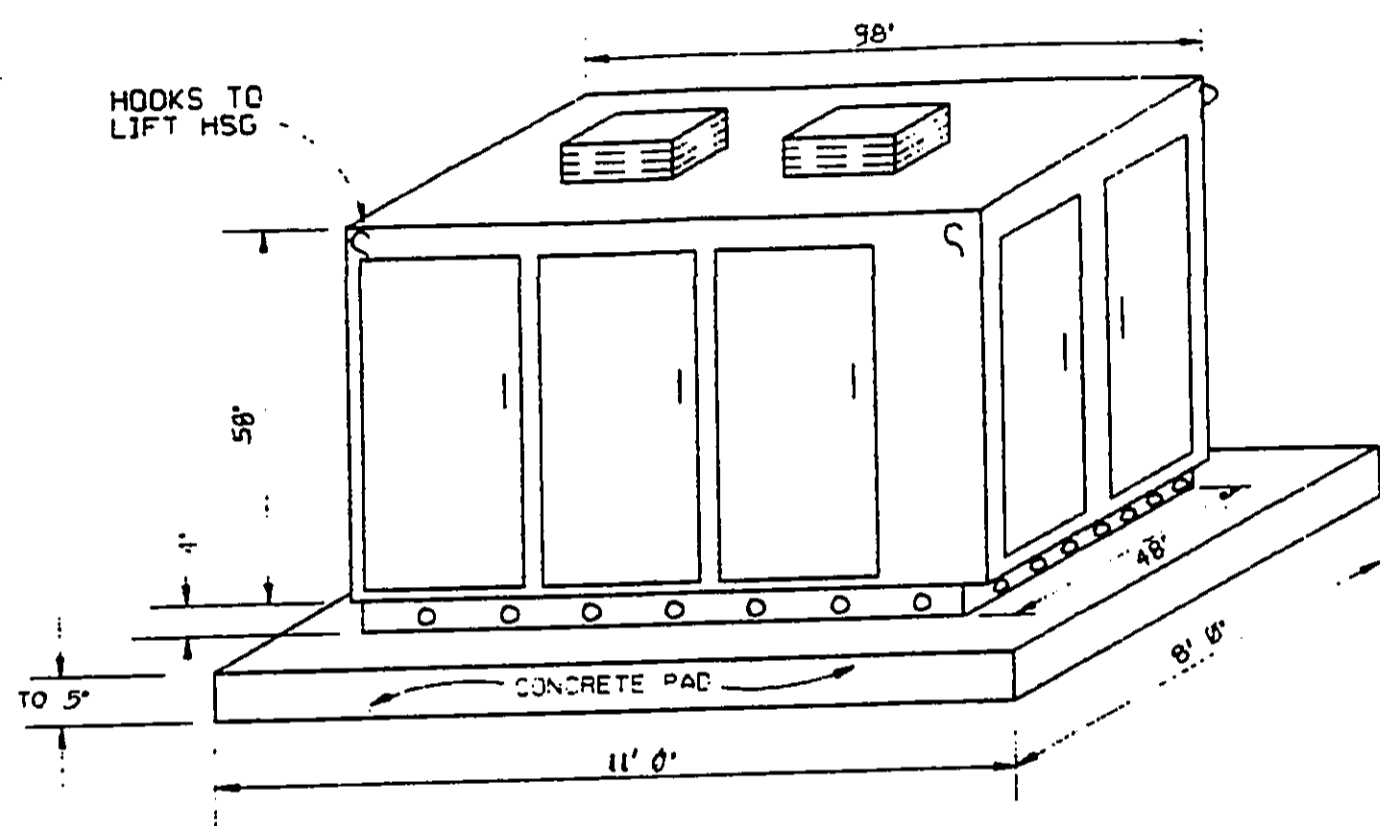
3600 CROSSCONNECT



44" W x 55" H x 20" D

SHEET 1
EXHIBIT A

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914E METRO
APPROX. WT. = 3450 LBS
 N.T.S.

EXHIBIT B

ORK SAFELY	DISTRIBUTION		PROPRIETARY INFORMATION FOR USE BY AUTHORIZED GTE EMPLOYEES		
	FILE	2	CODES: 2212.00, 2441.11	PA: 070	PC = 0526
3H VOLTAGE	ASSIGNMENT	--	PIPELINE NO. N/A	ENG. K. CHOAN	TEL 834-624
ER CO.	CONSTRUCTION	9	CPA AFFECTED <input type="checkbox"/> YES <input type="checkbox"/> NO	DRAWN BY J. CHINN	DATE 8-14-96
___ KV PHASE			SAL(S) AFFECTED: _____	APP'D _____	SHT 1 OF _____
NECTED				HAWAIIAN TEL	
UNDED					
MENTS					
	TOTAL	11			